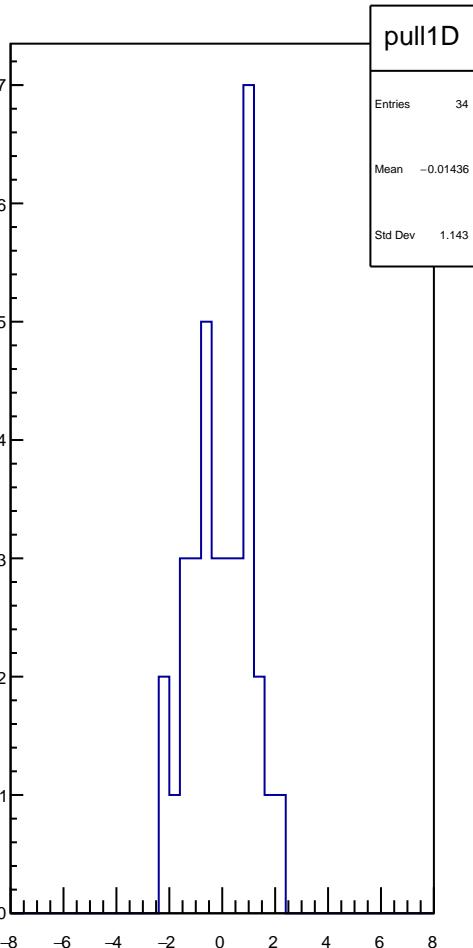
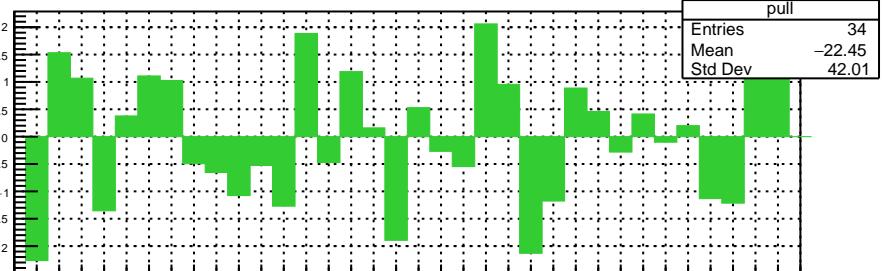
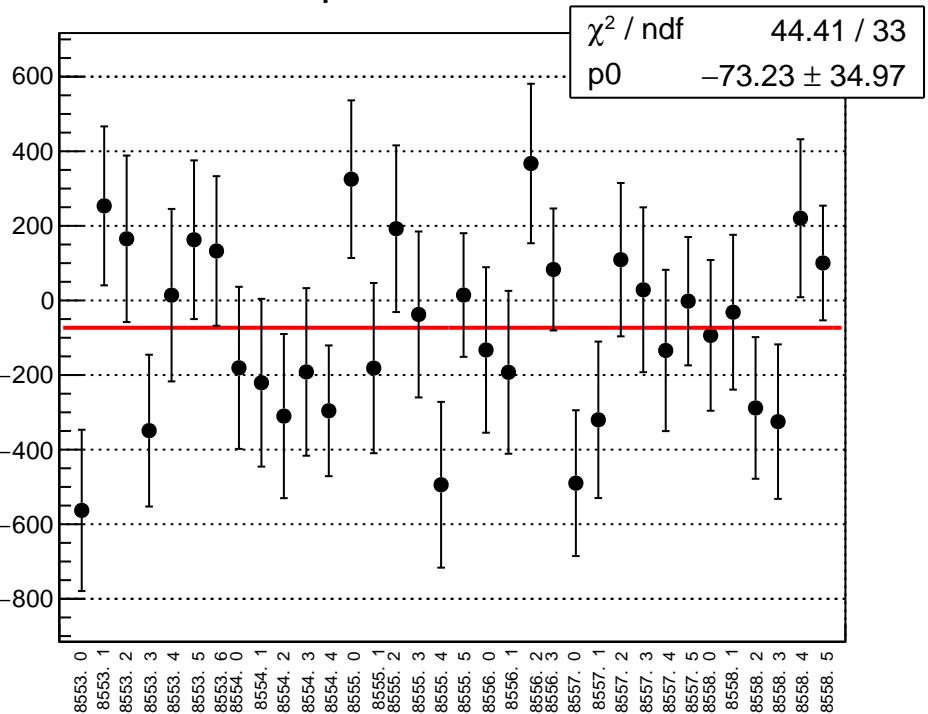
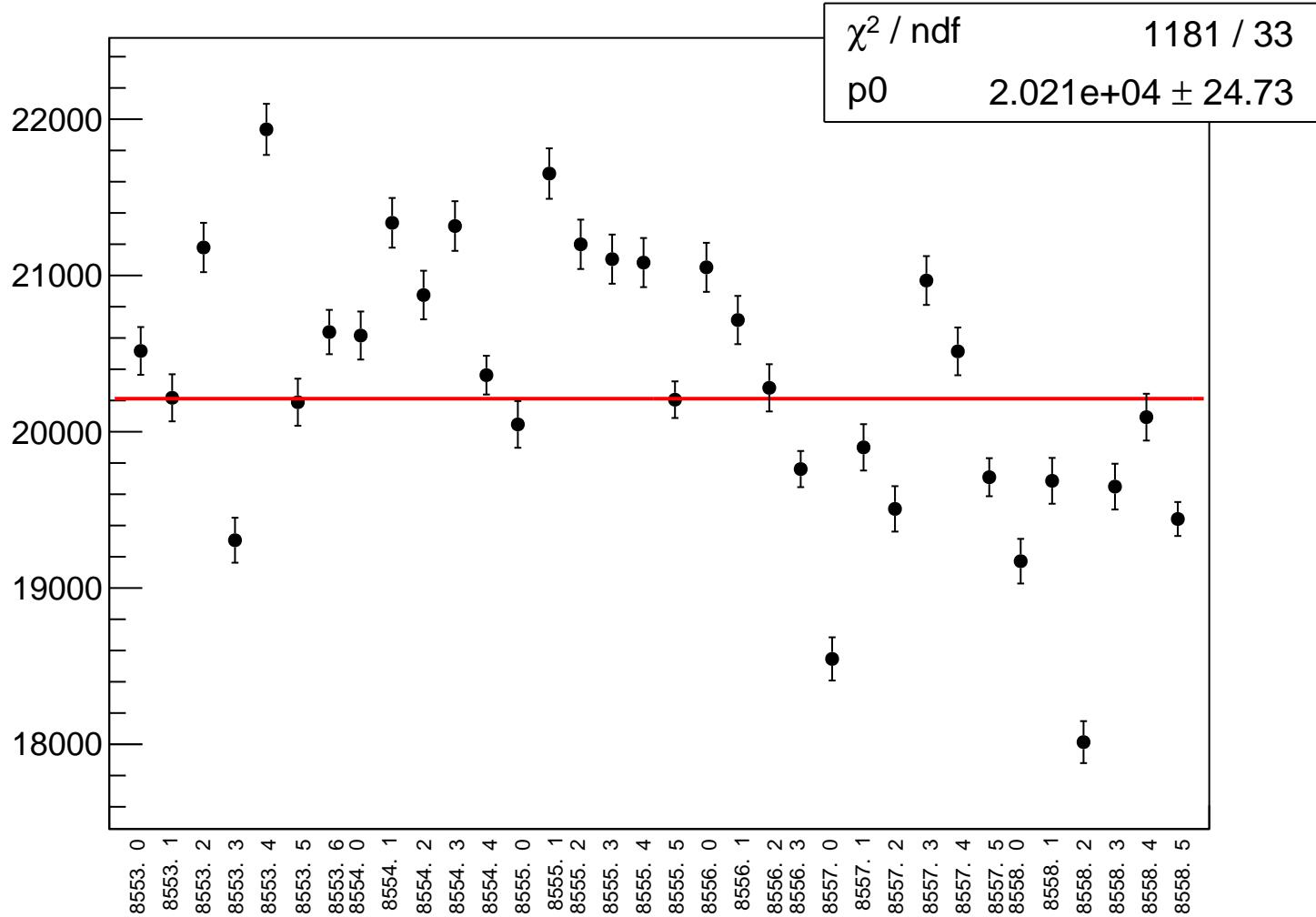


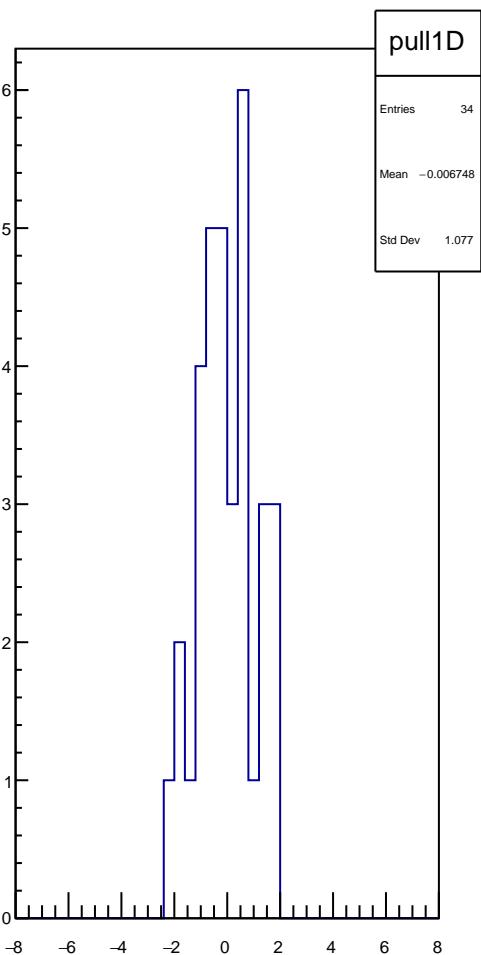
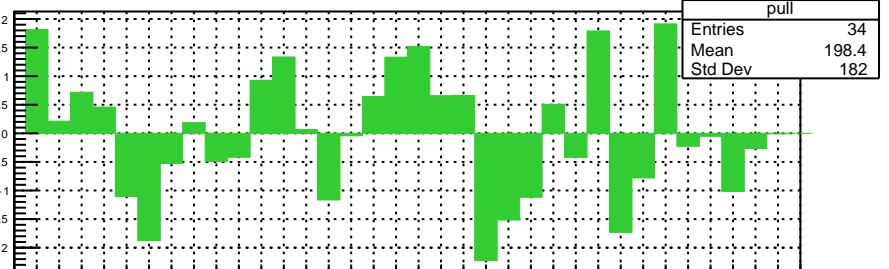
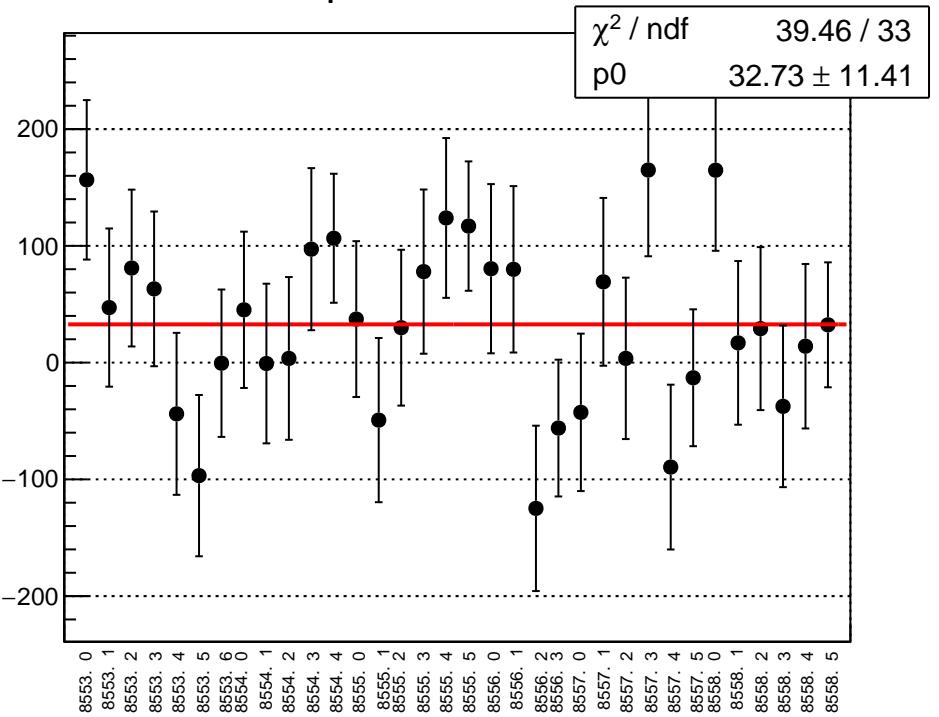
diff_bpm4aX_mean vs run



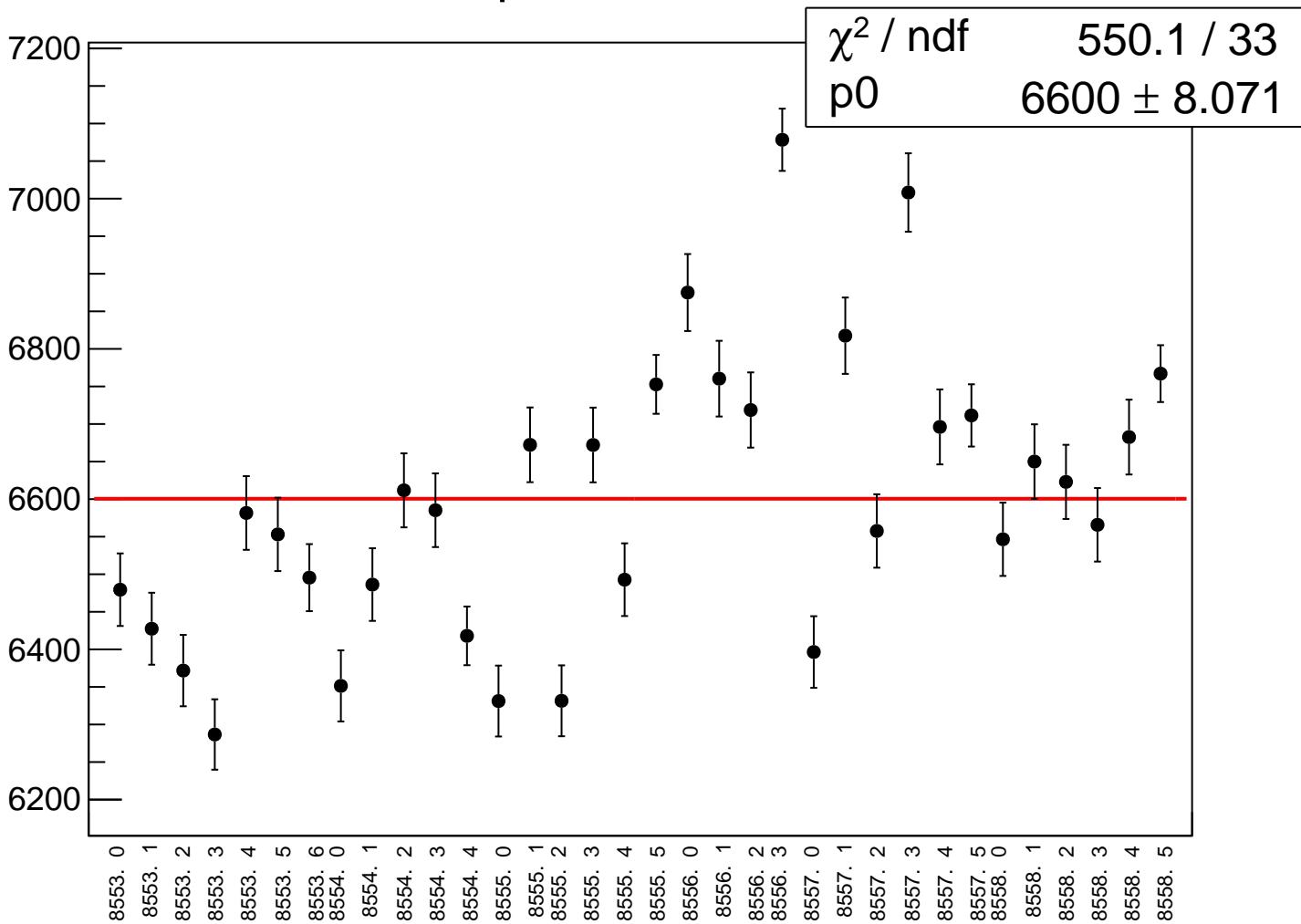
diff_bpm4aX_rms vs run



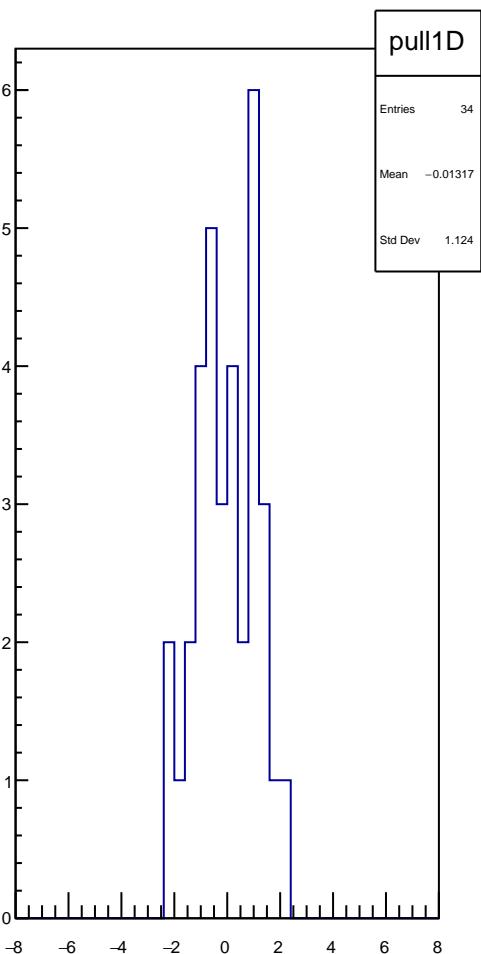
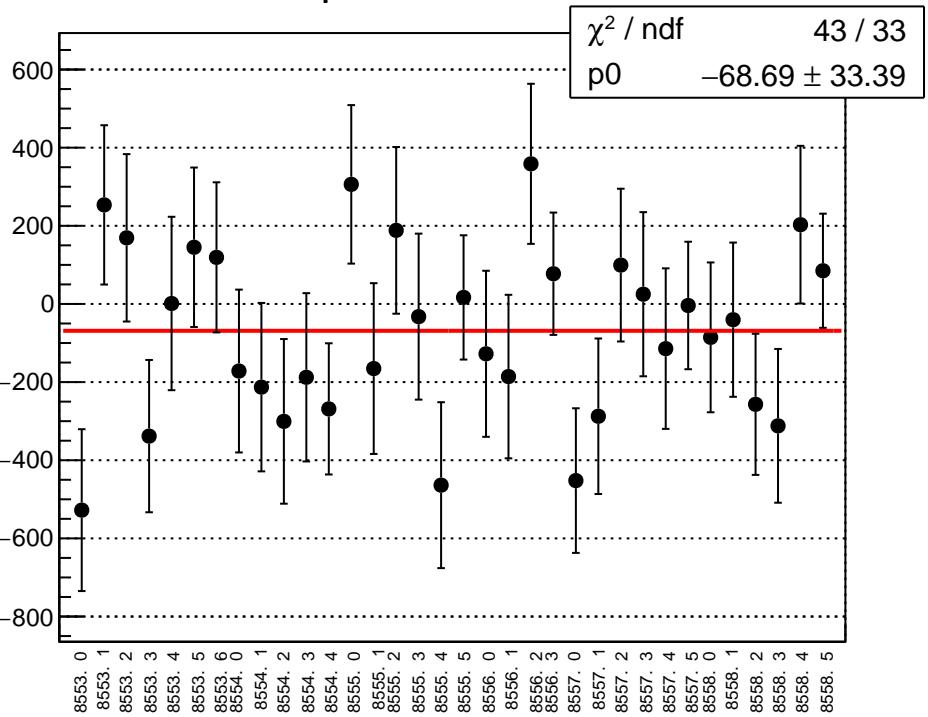
diff_bpm4aY_mean vs run



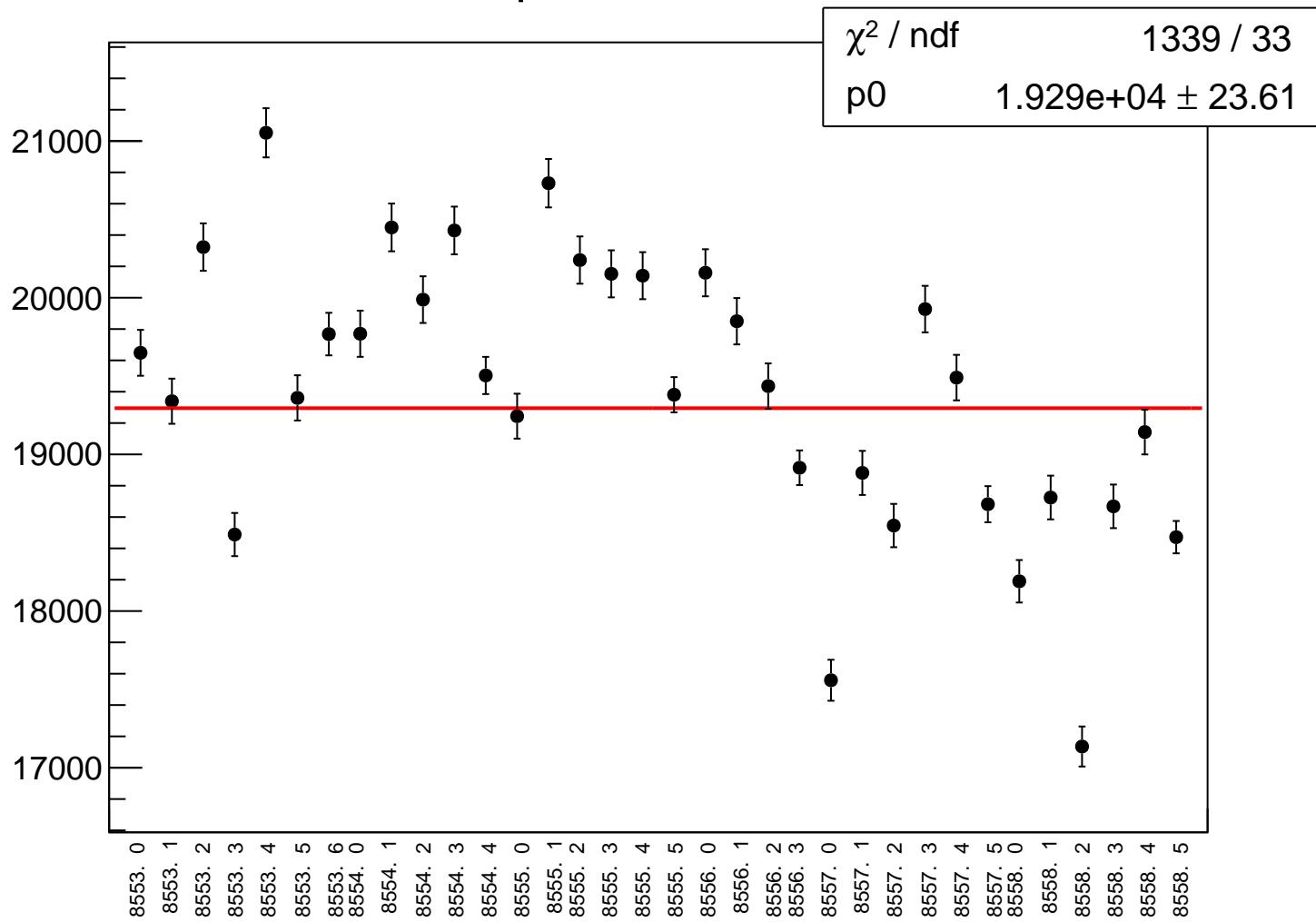
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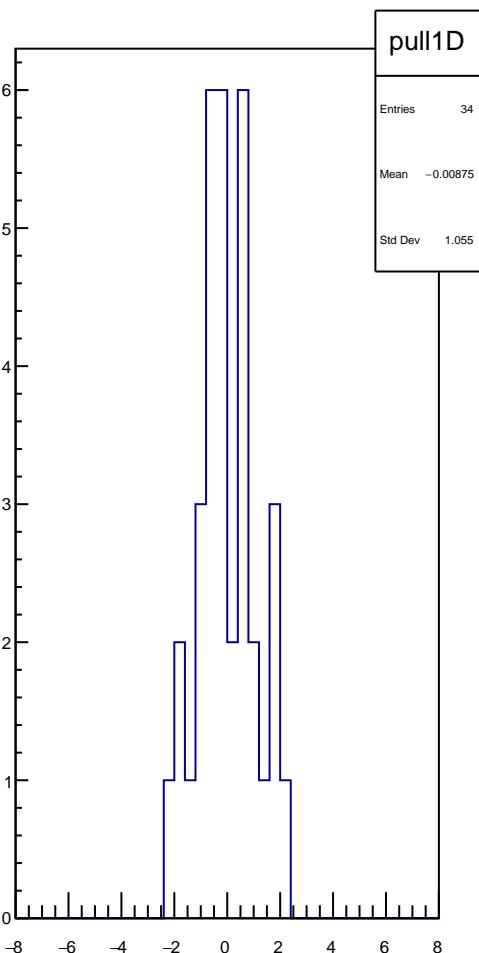
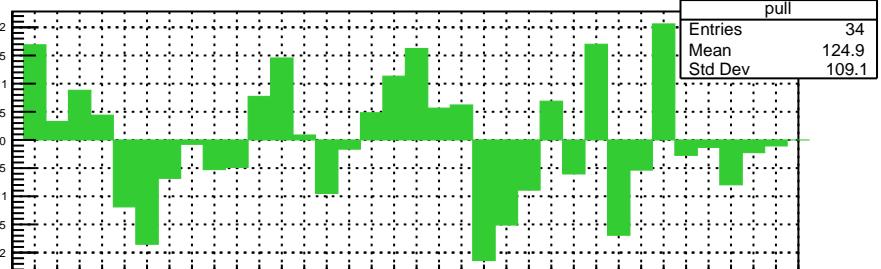
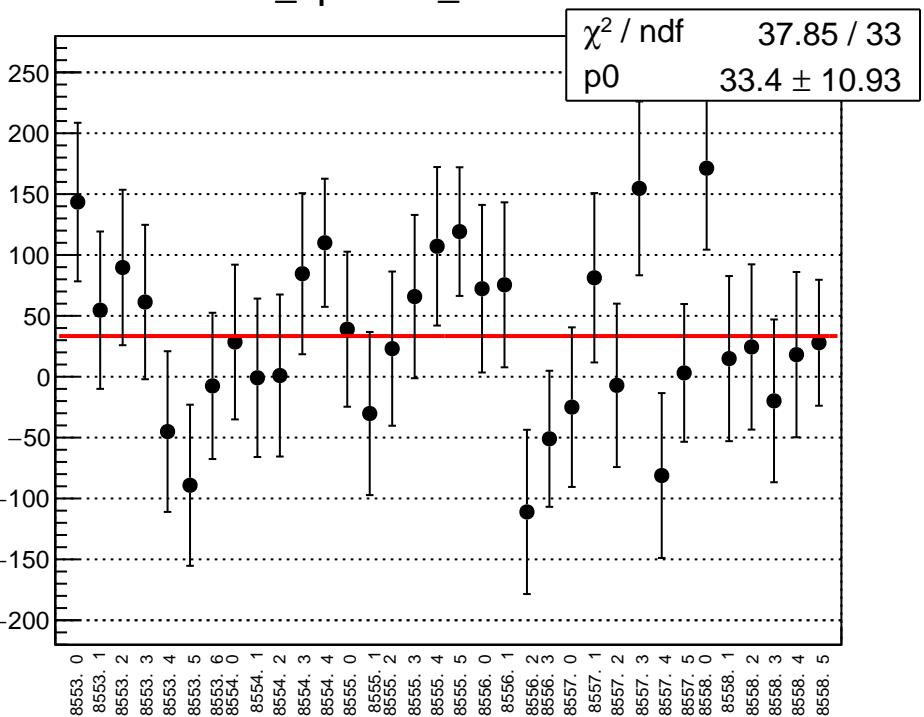
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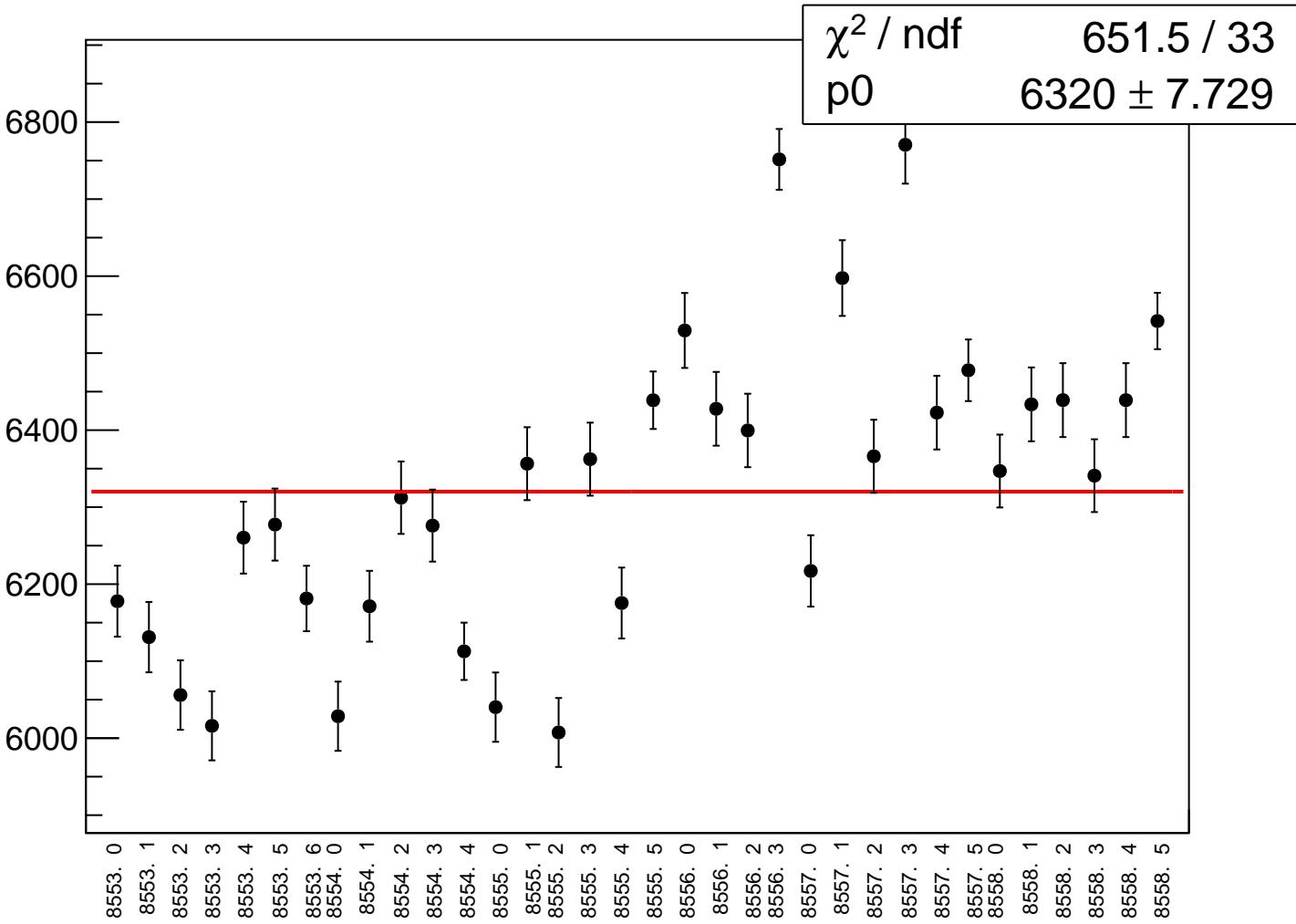
diff_bpm4eX_rms vs run



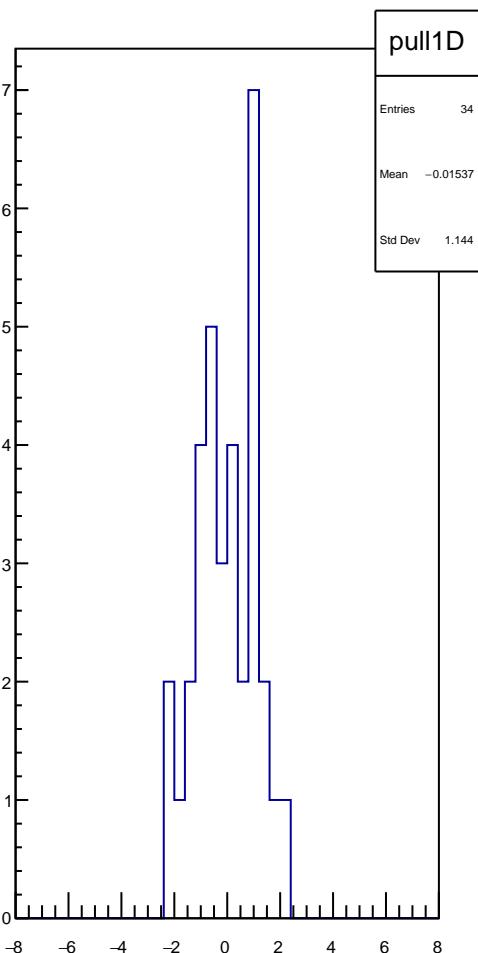
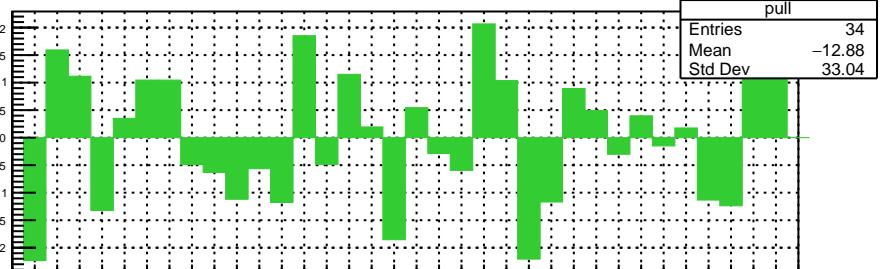
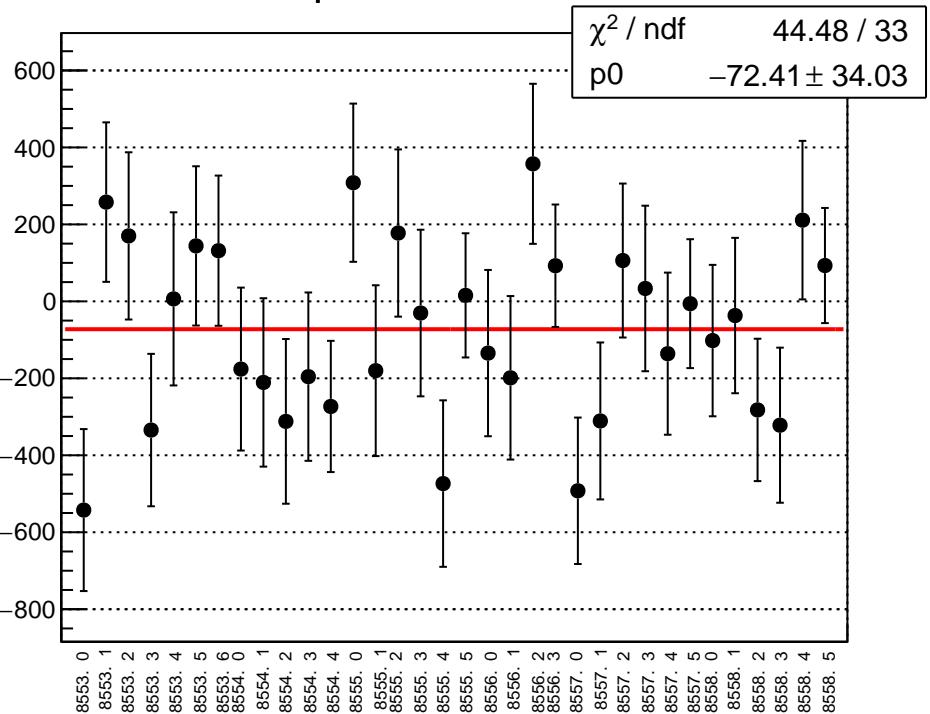
diff_bpm4eY_mean vs run



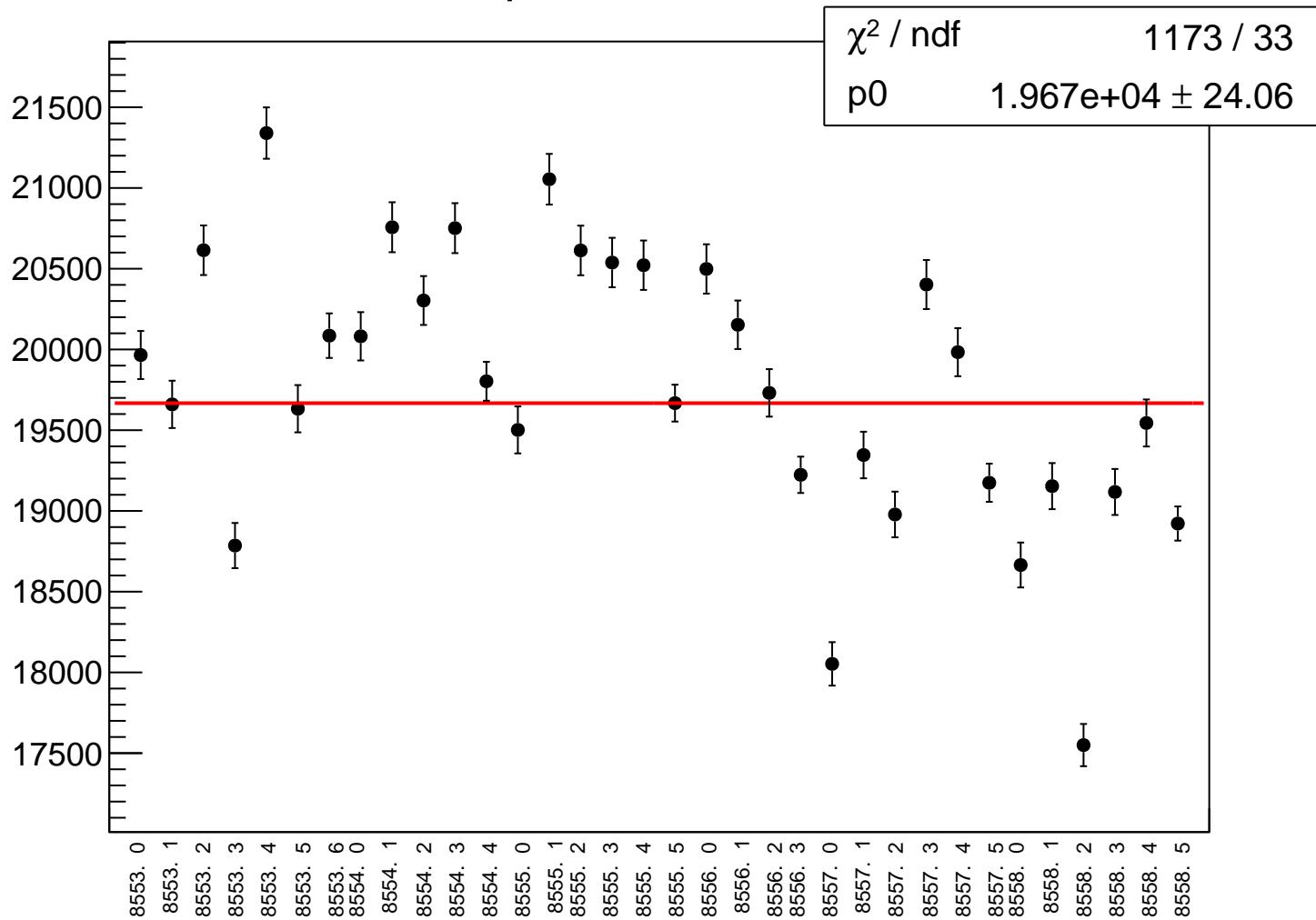
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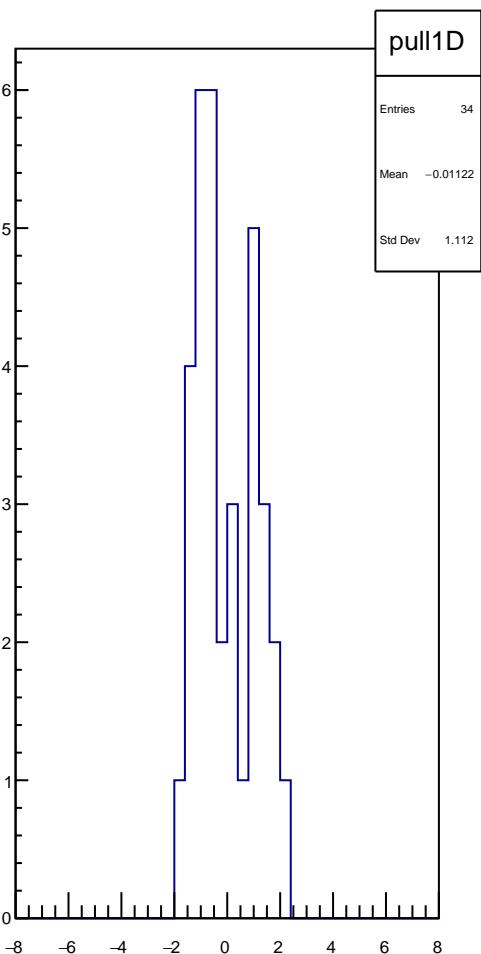
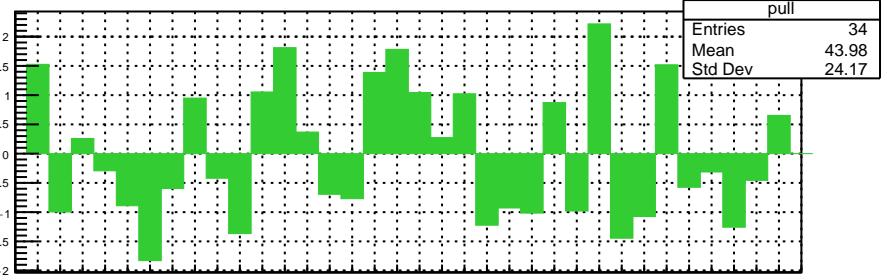
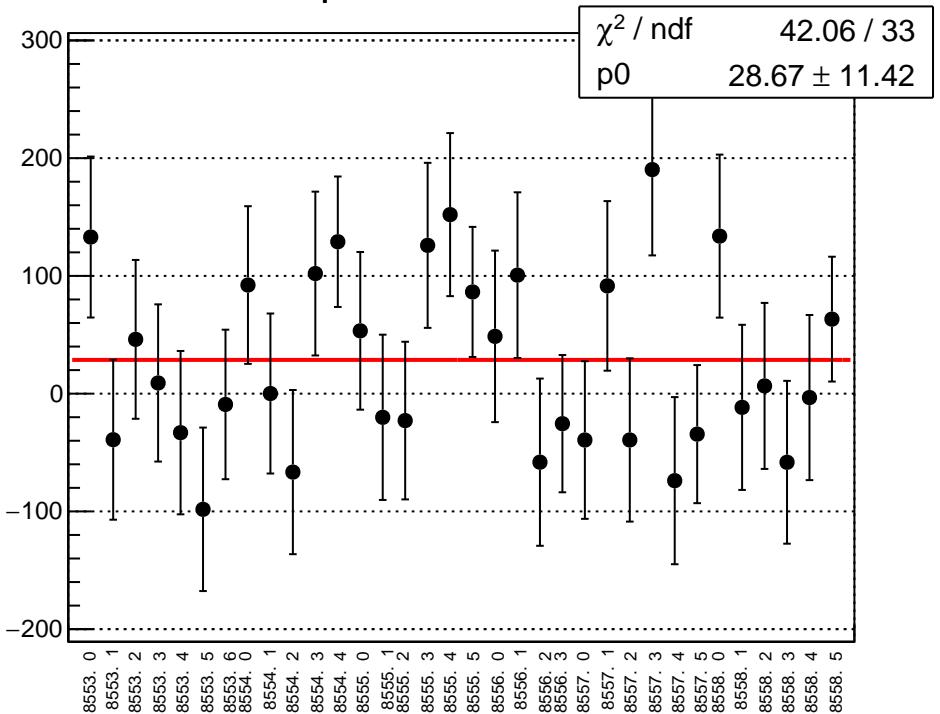
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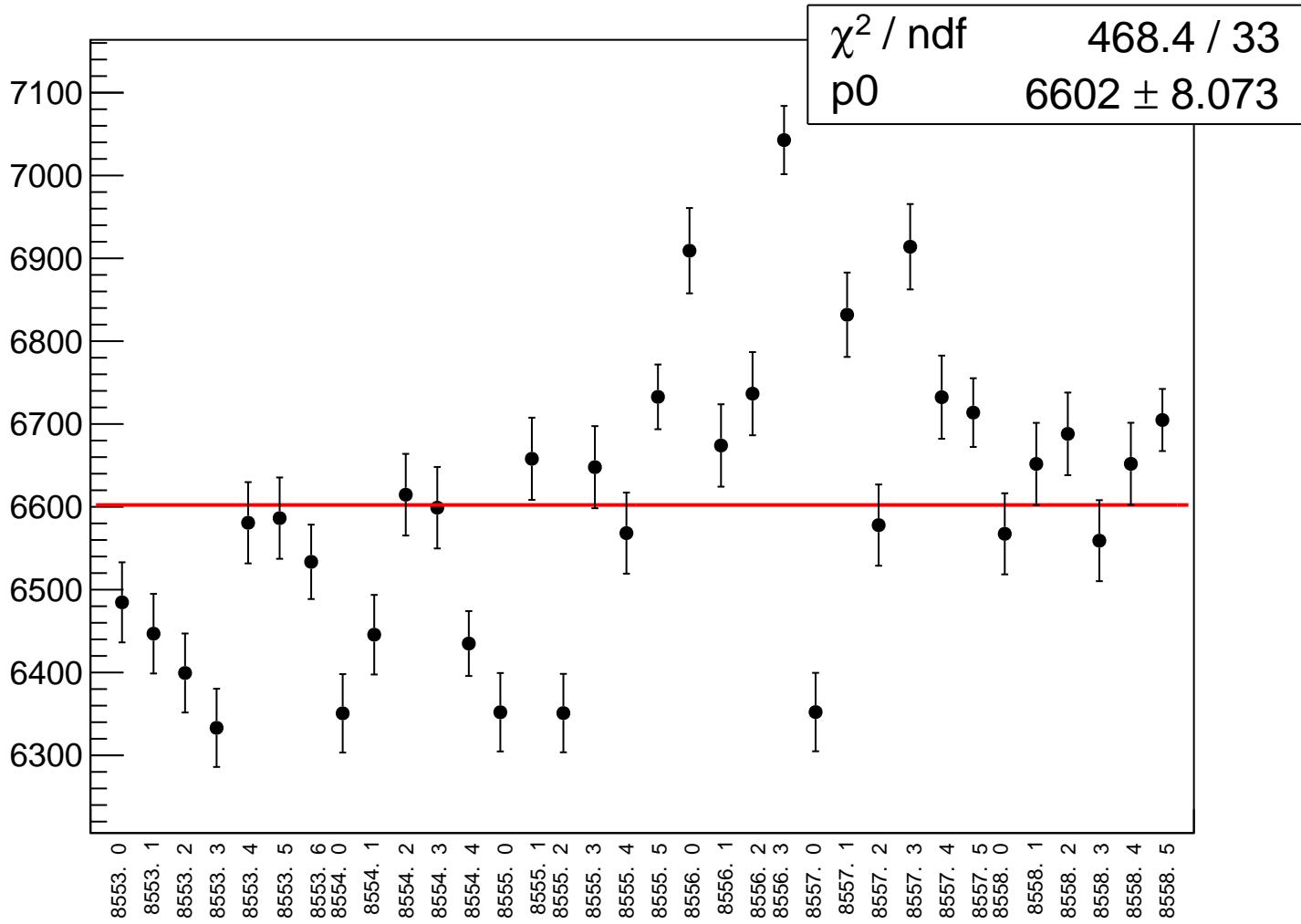
diff_bpm4acX_rms vs run



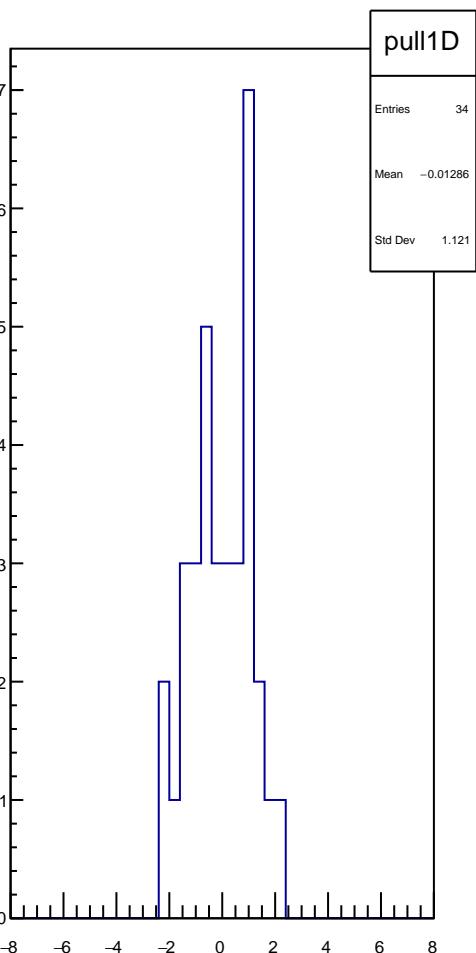
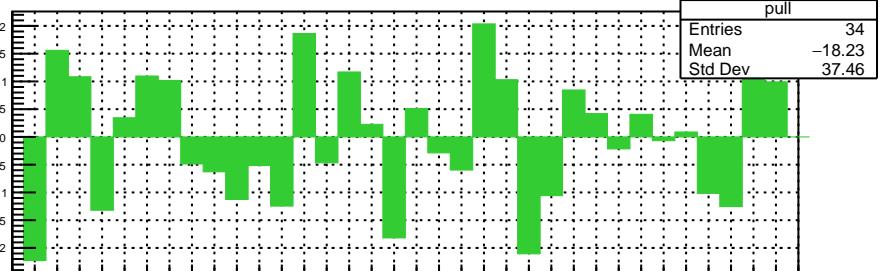
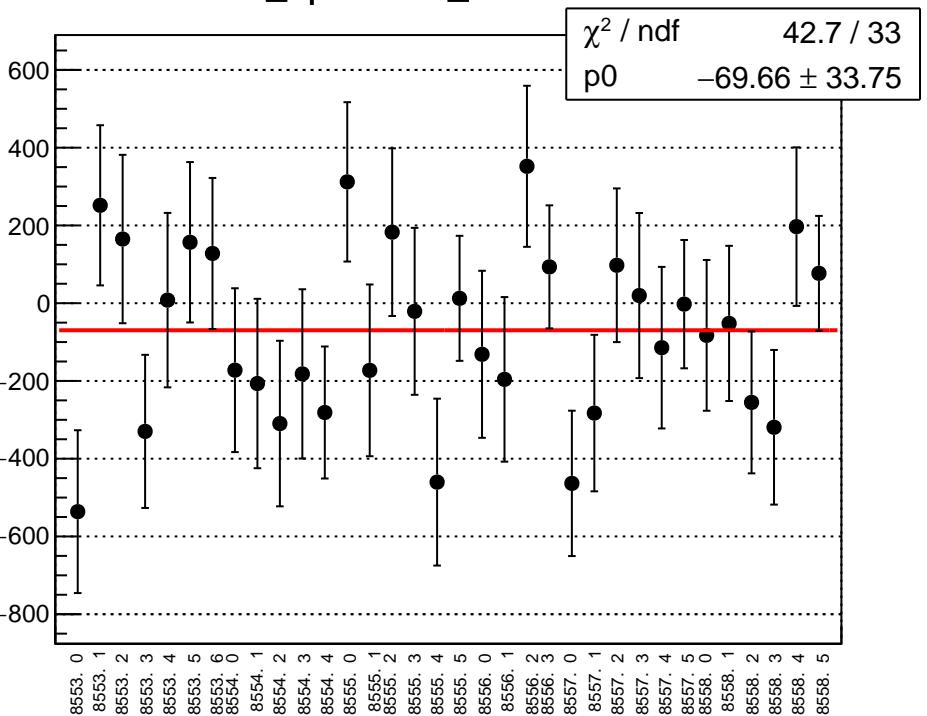
diff_bpm4acY_mean vs run



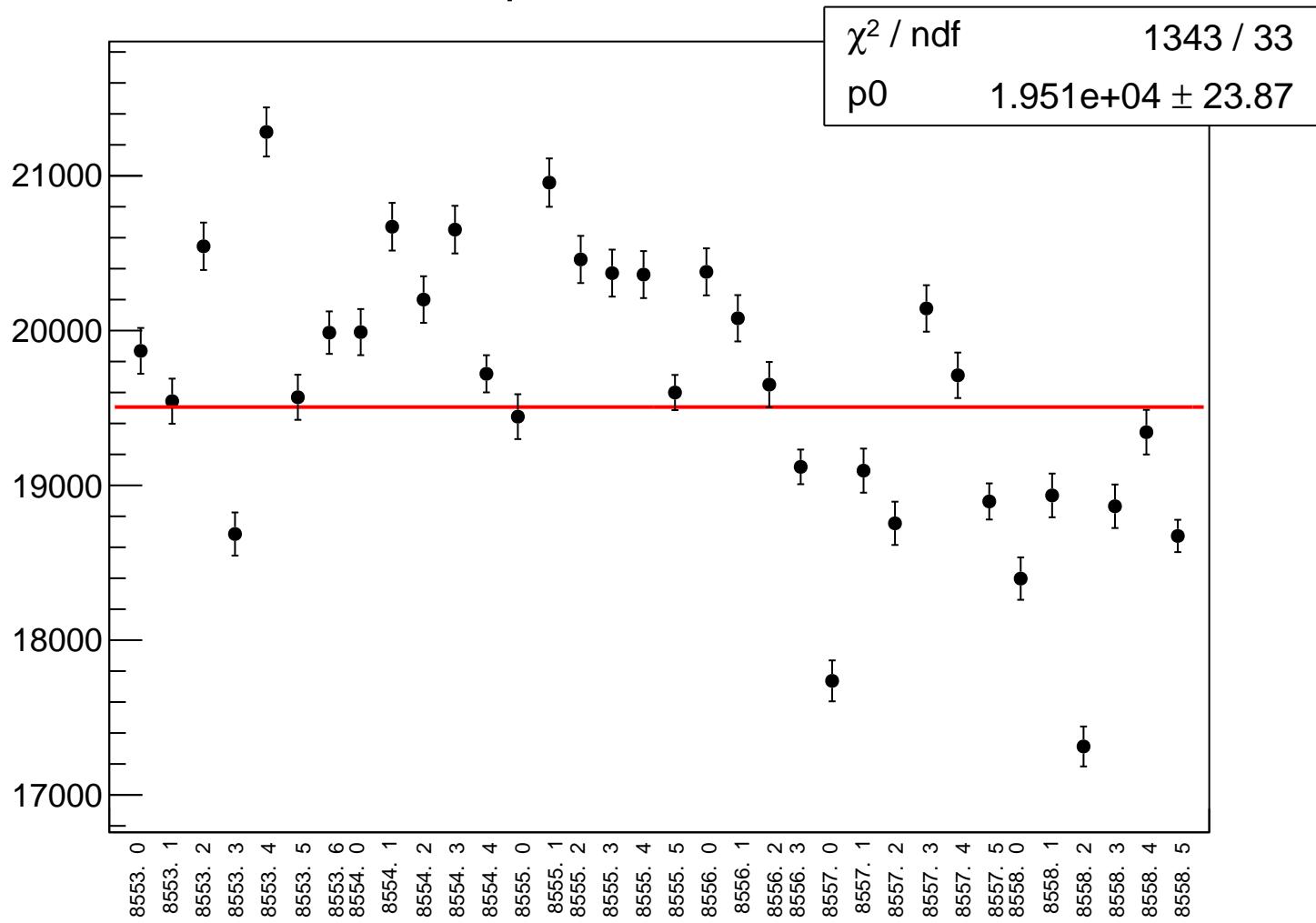
diff_bpm4acY_rms vs run



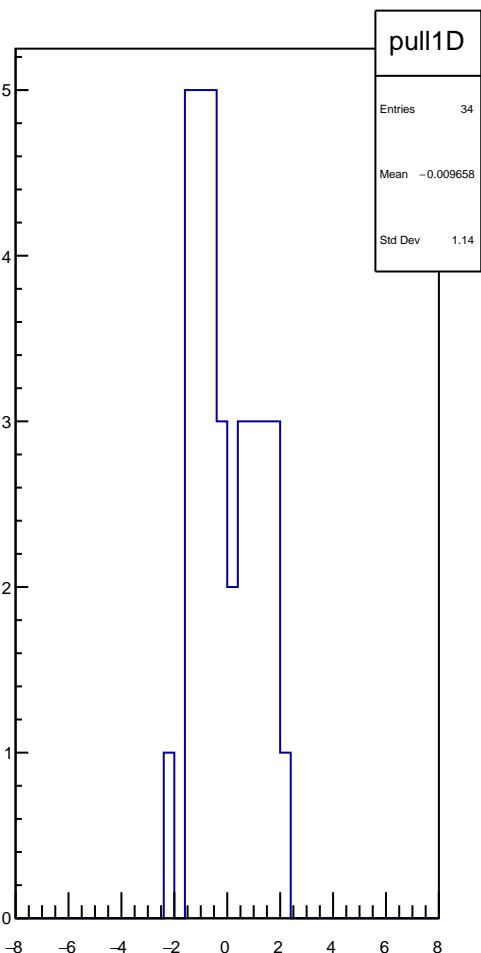
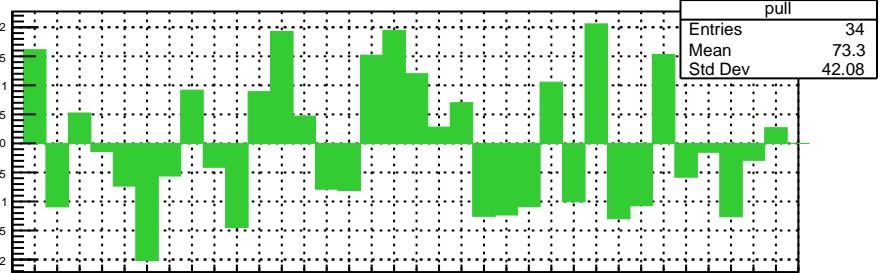
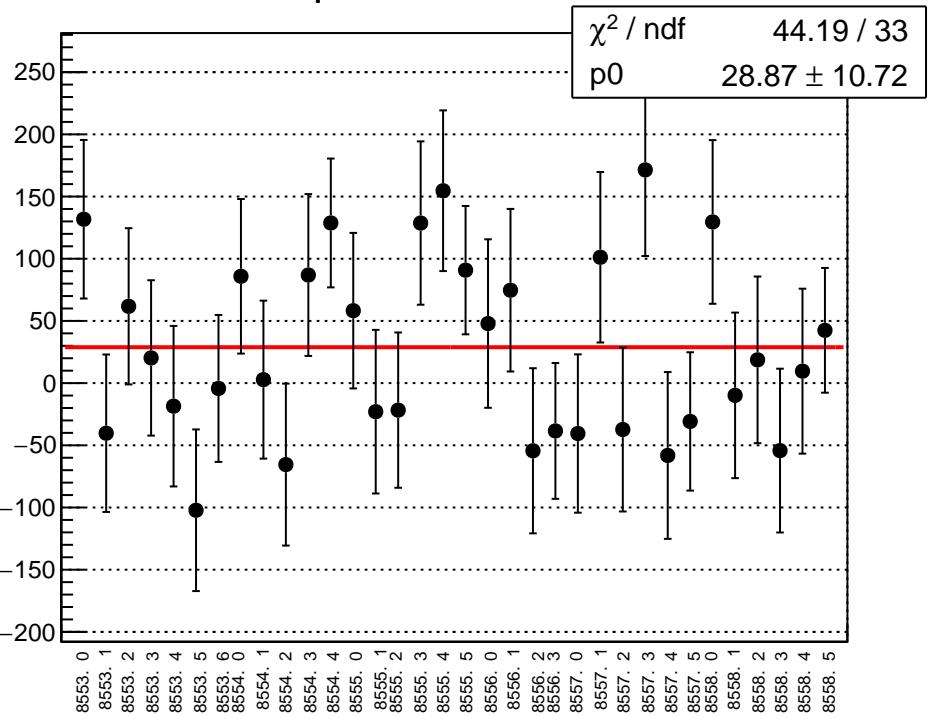
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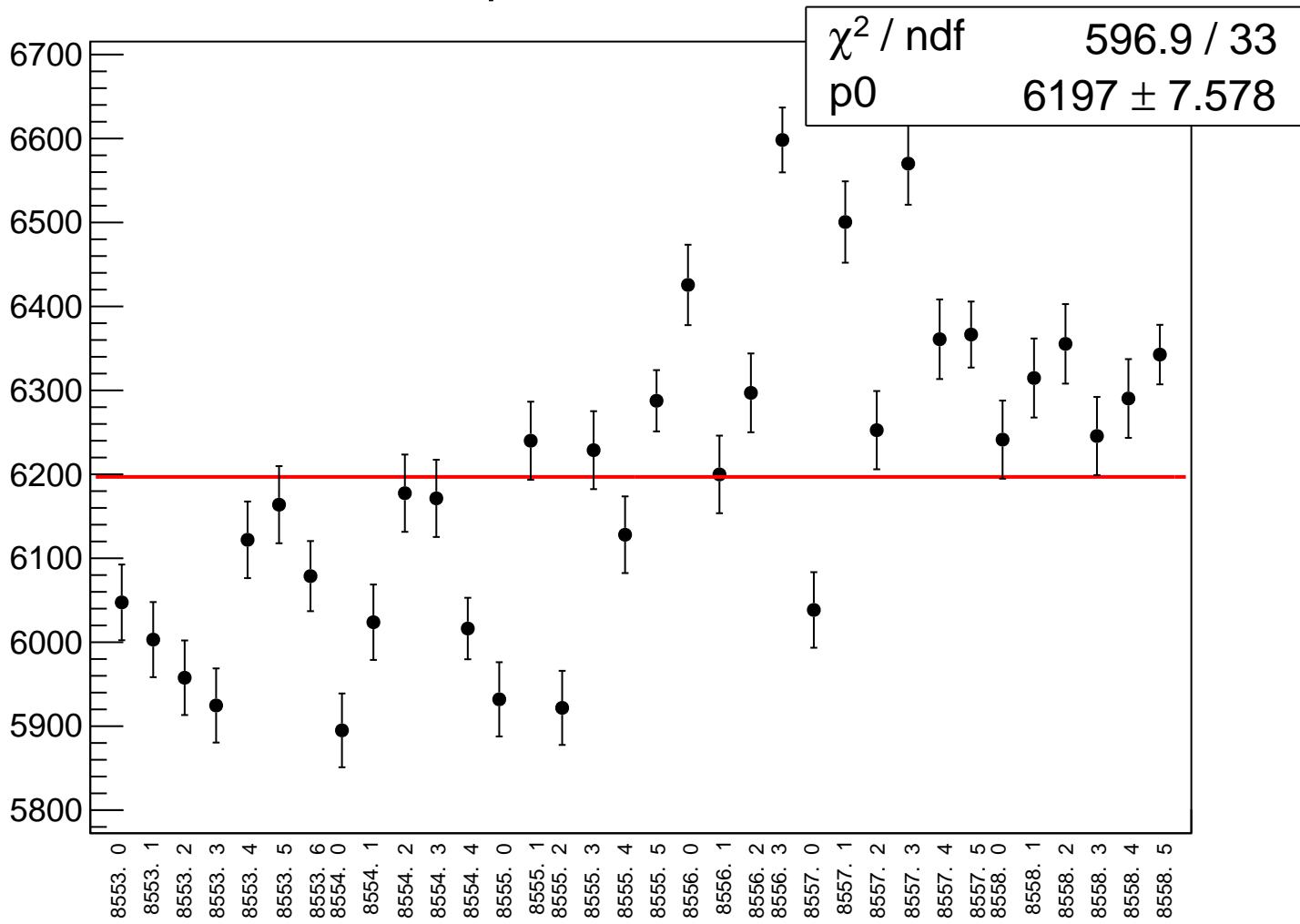
diff_bpm4ecX_rms vs run



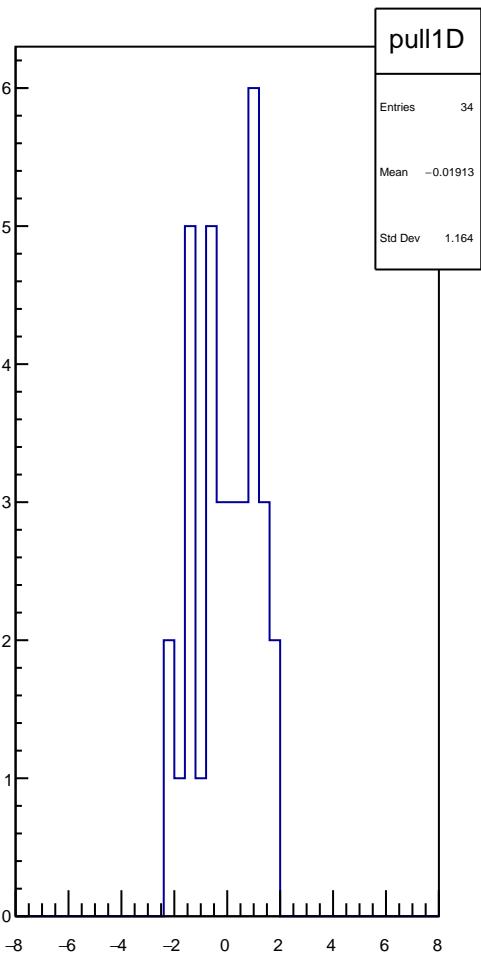
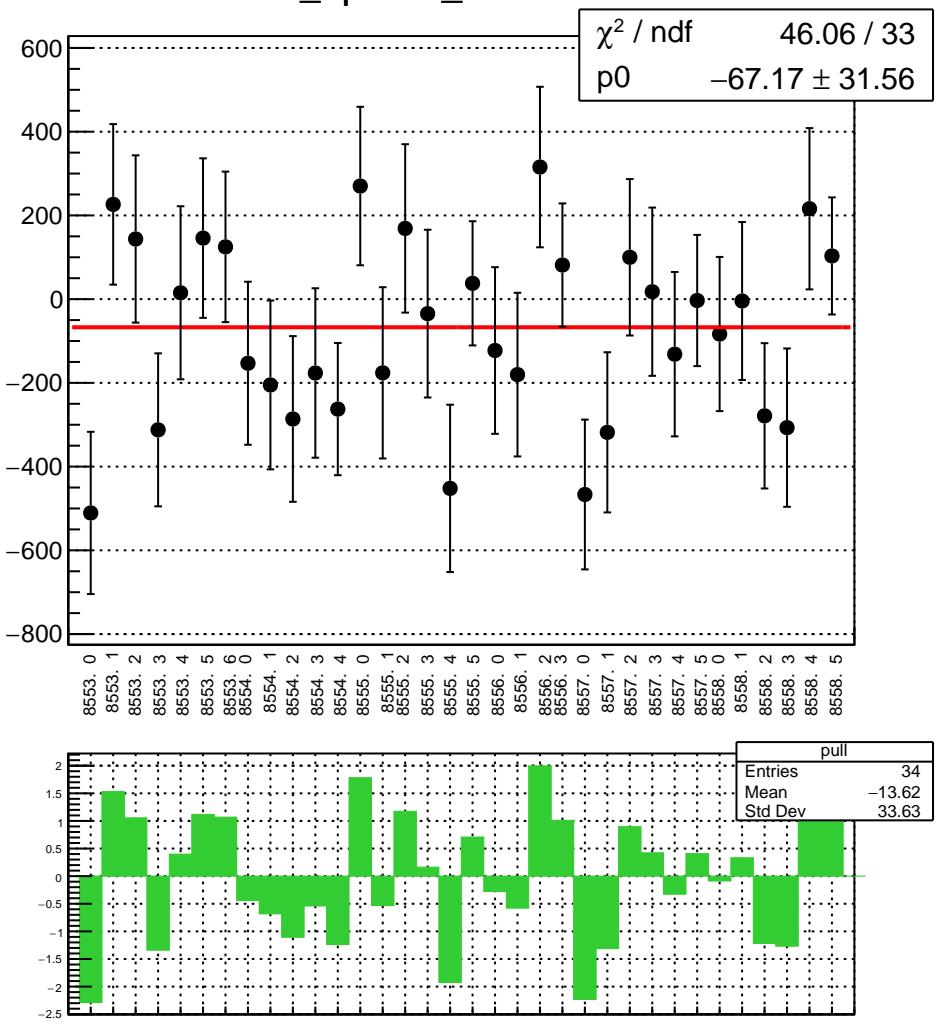
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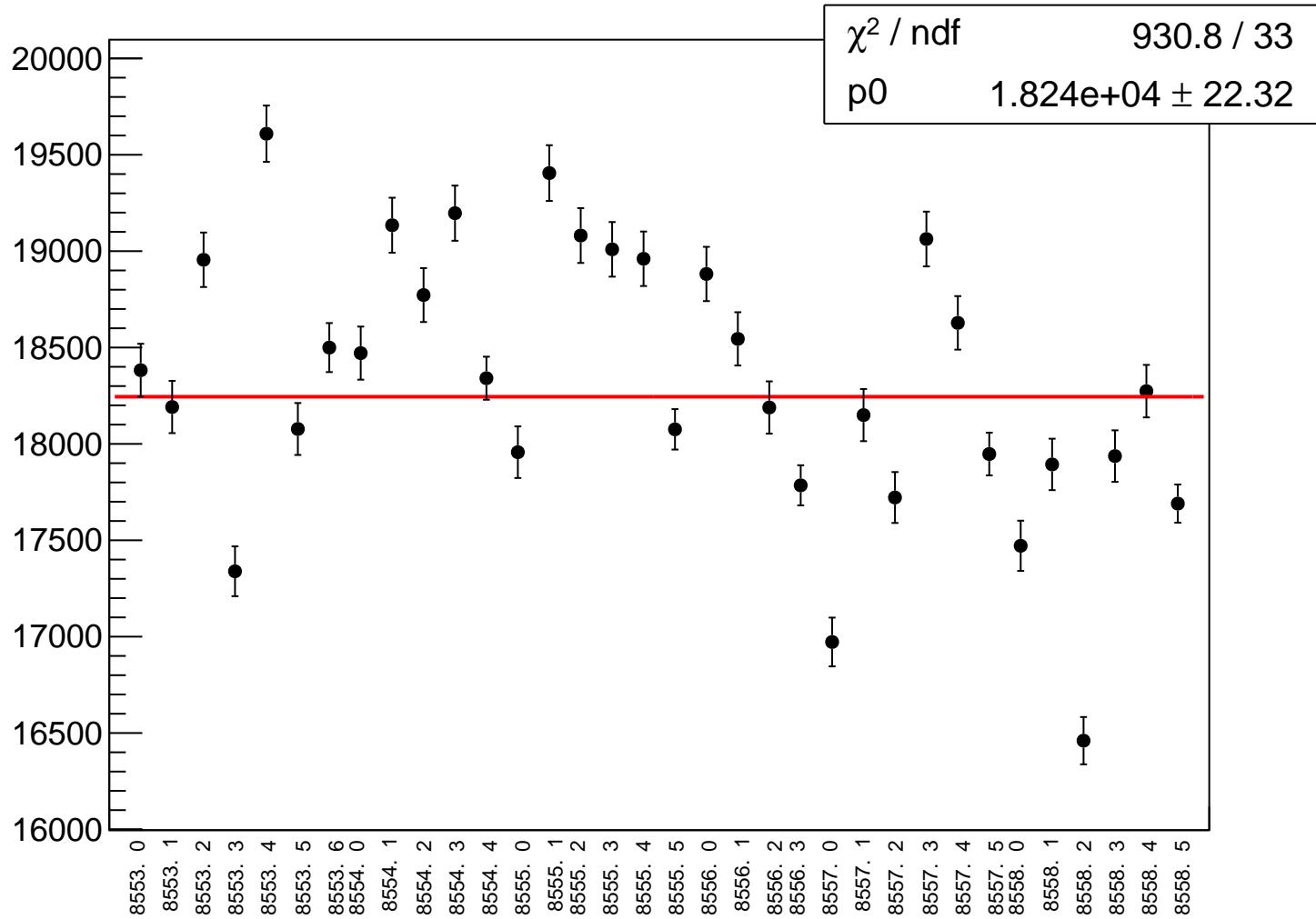
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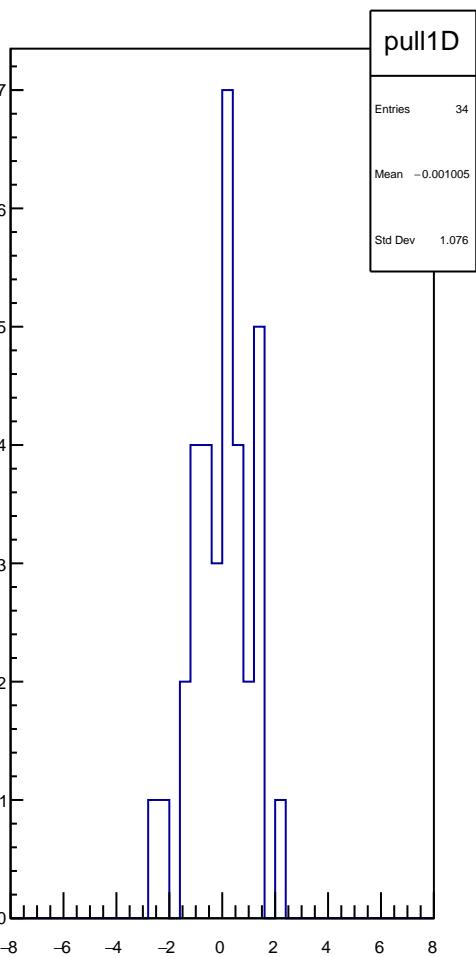
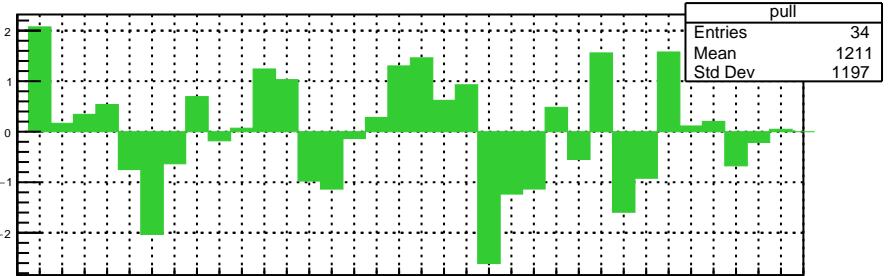
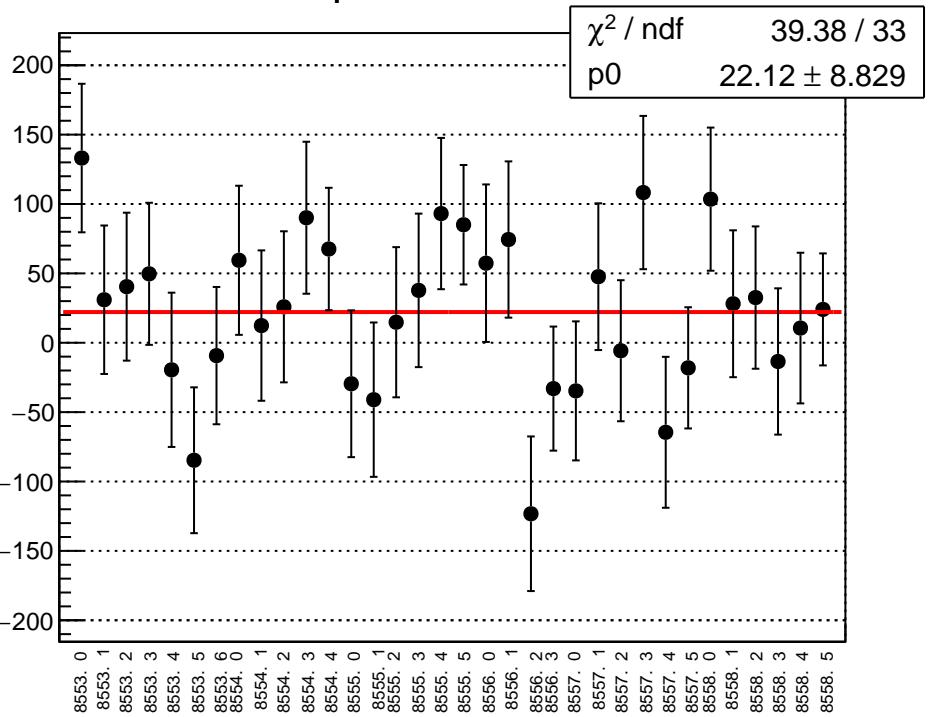
diff_bpm1X_mean vs run



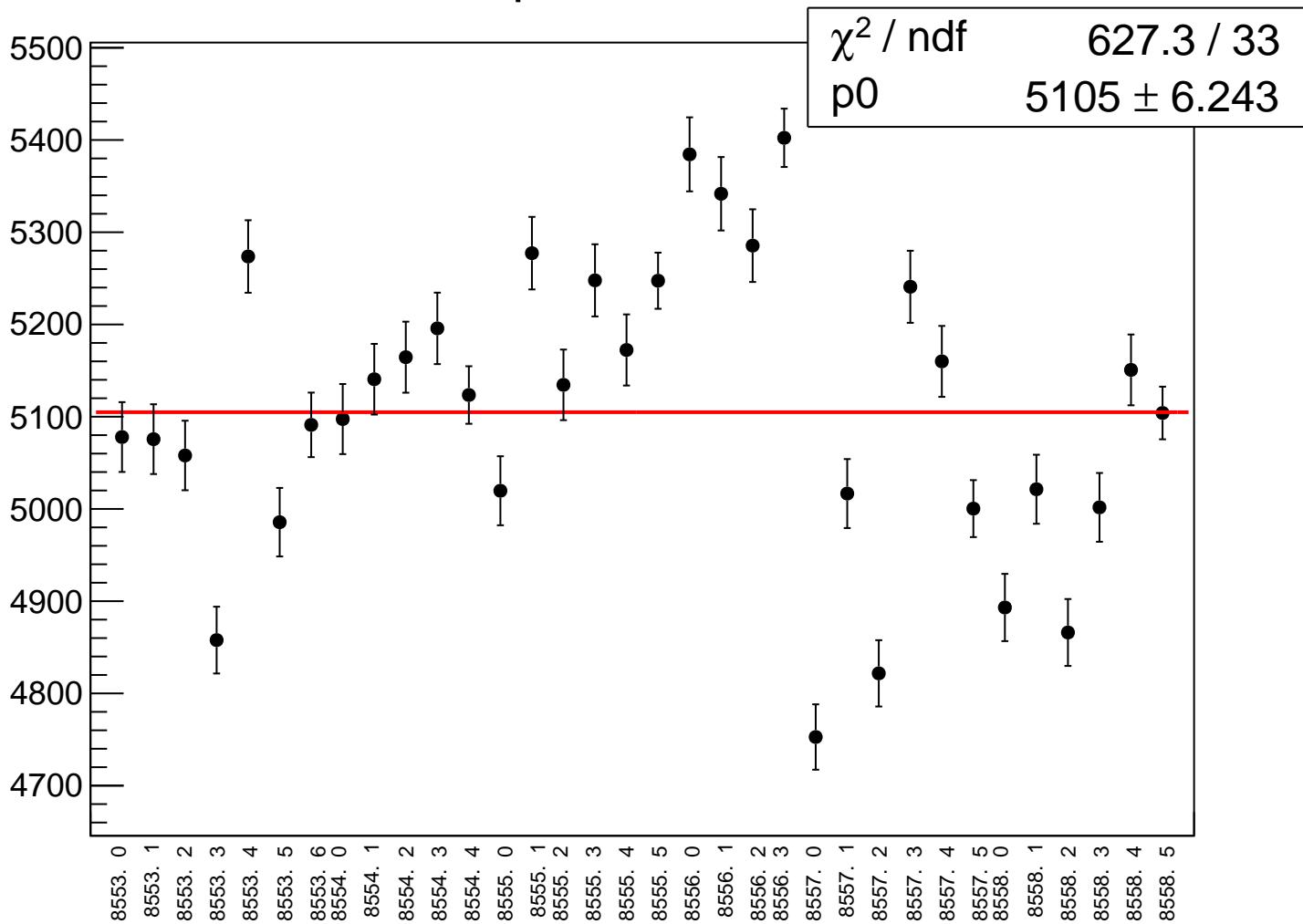
diff_bpm1X_rms vs run



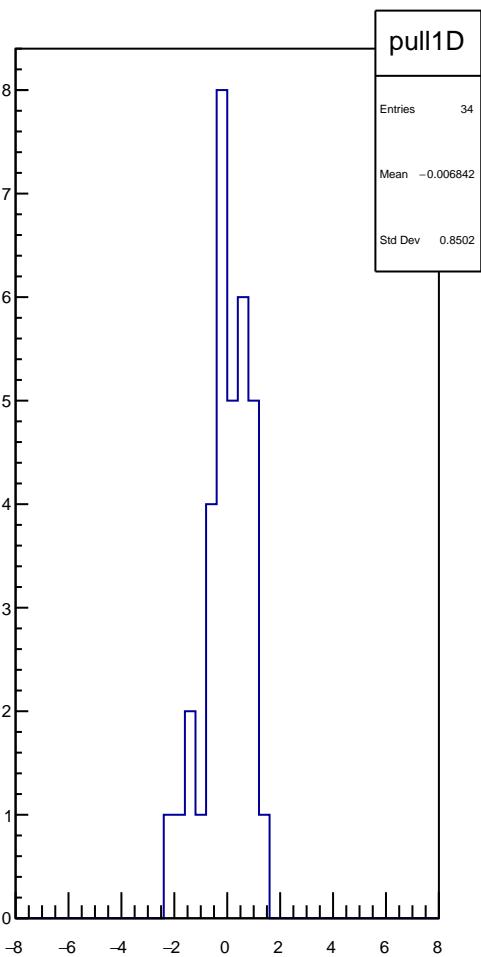
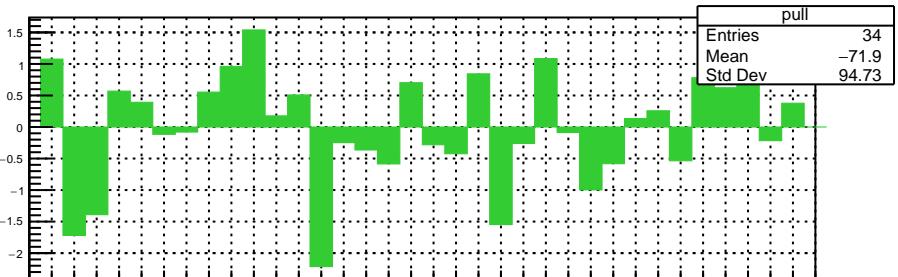
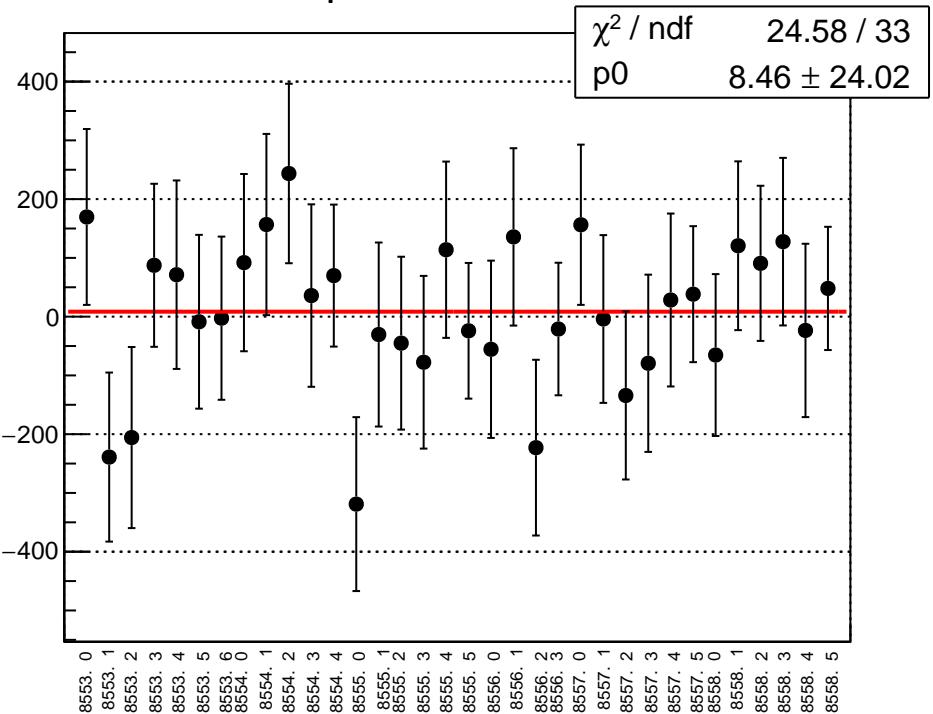
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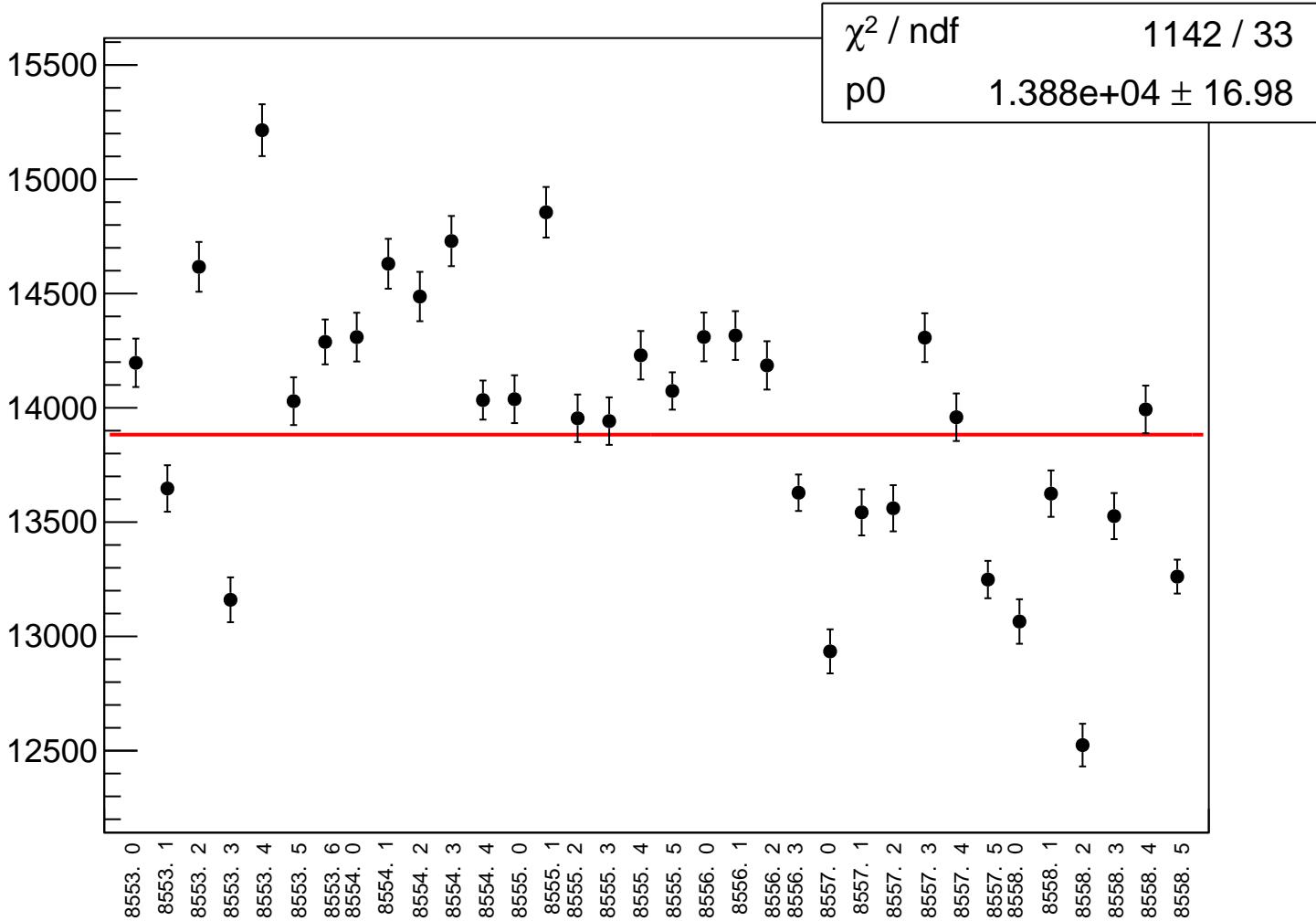
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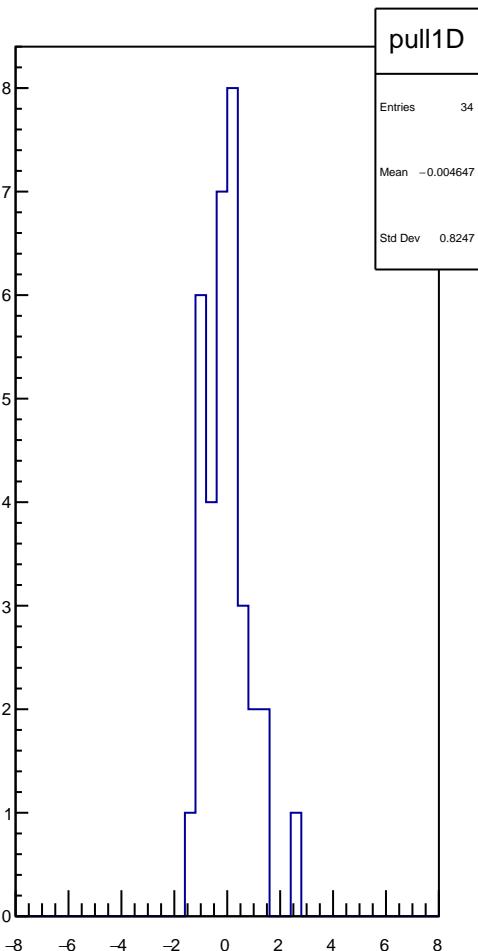
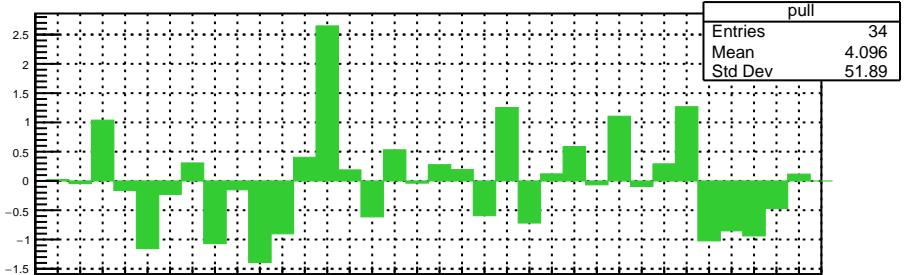
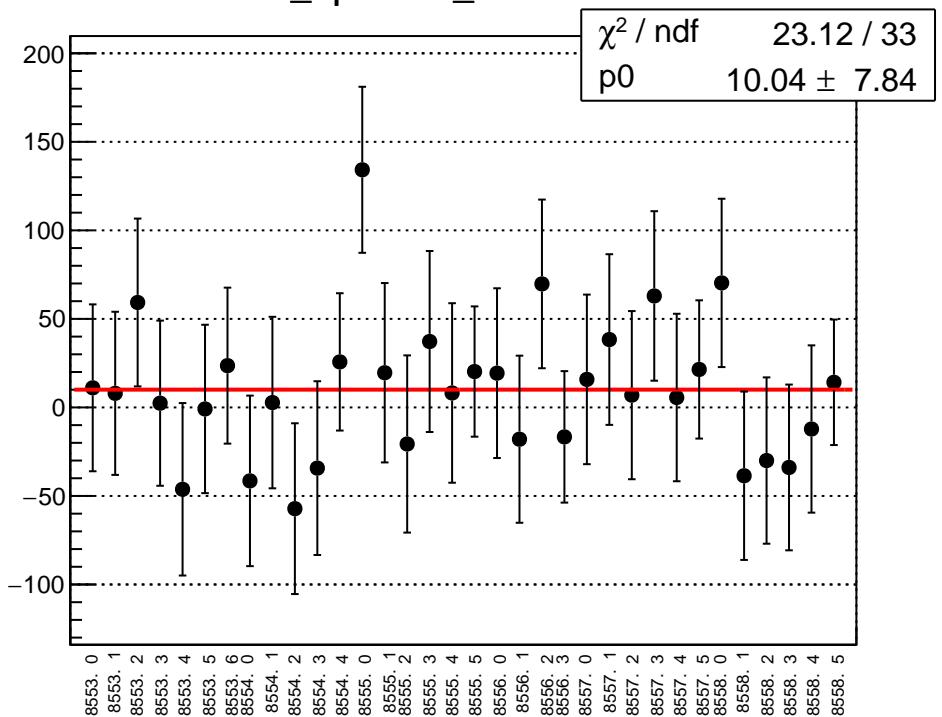
diff_bpm11X_mean vs run



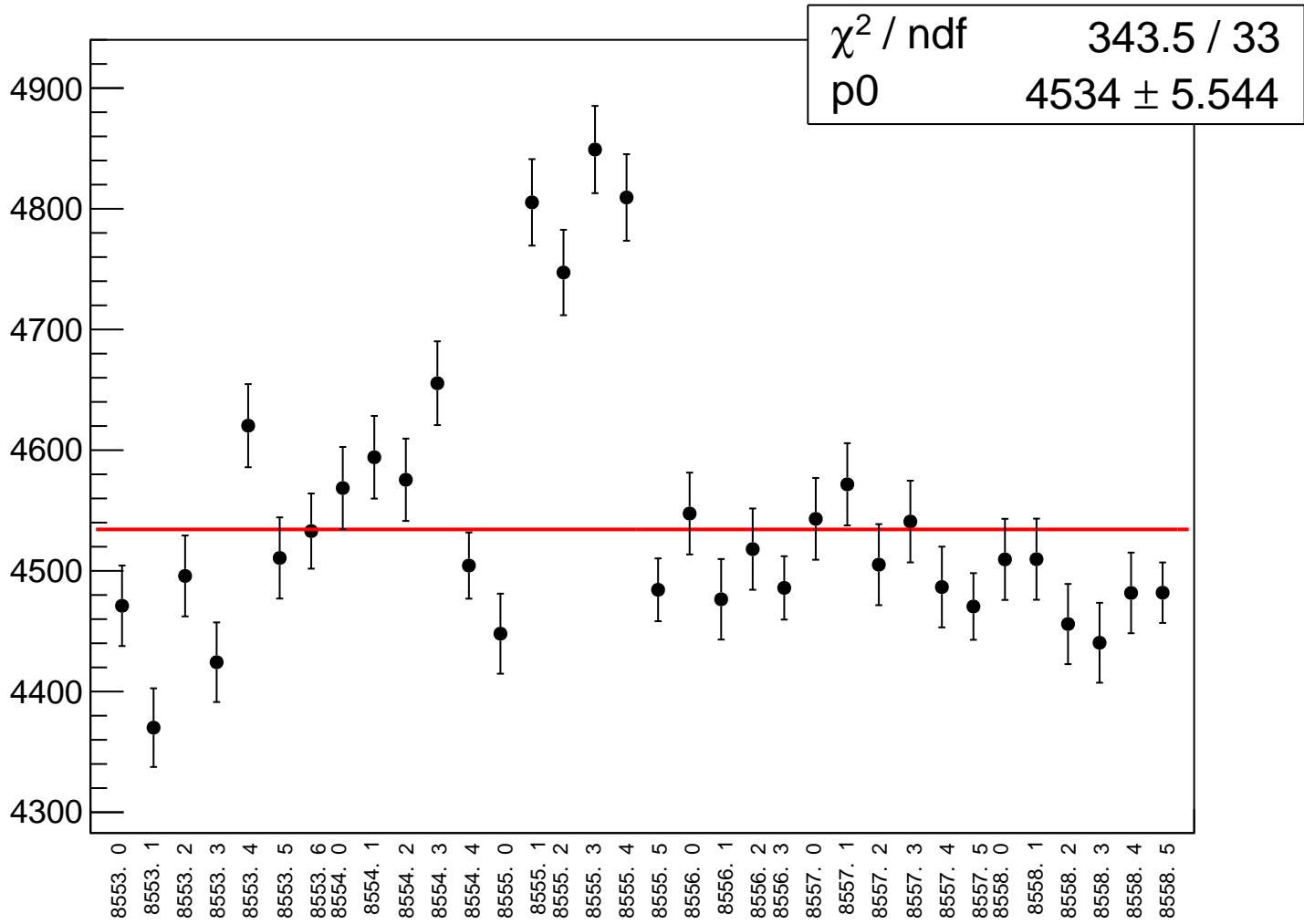
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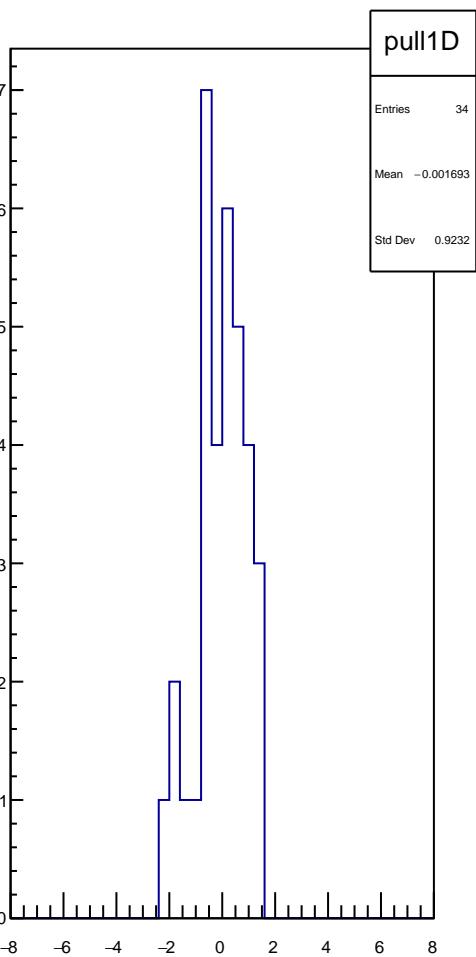
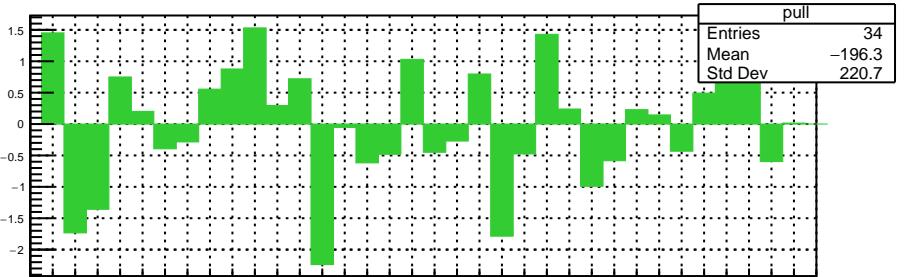
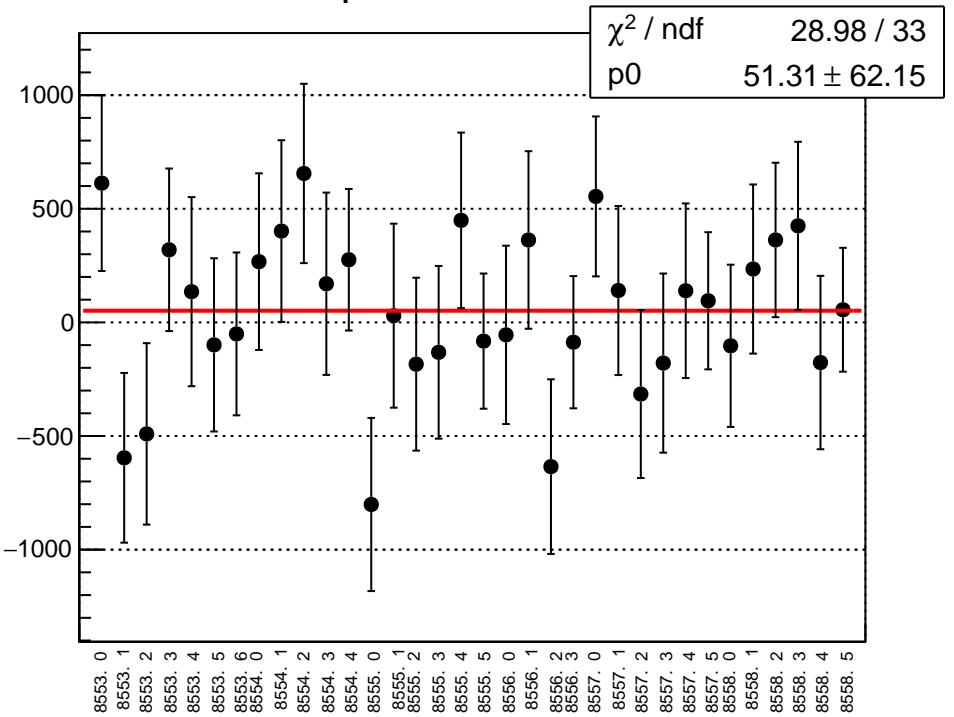
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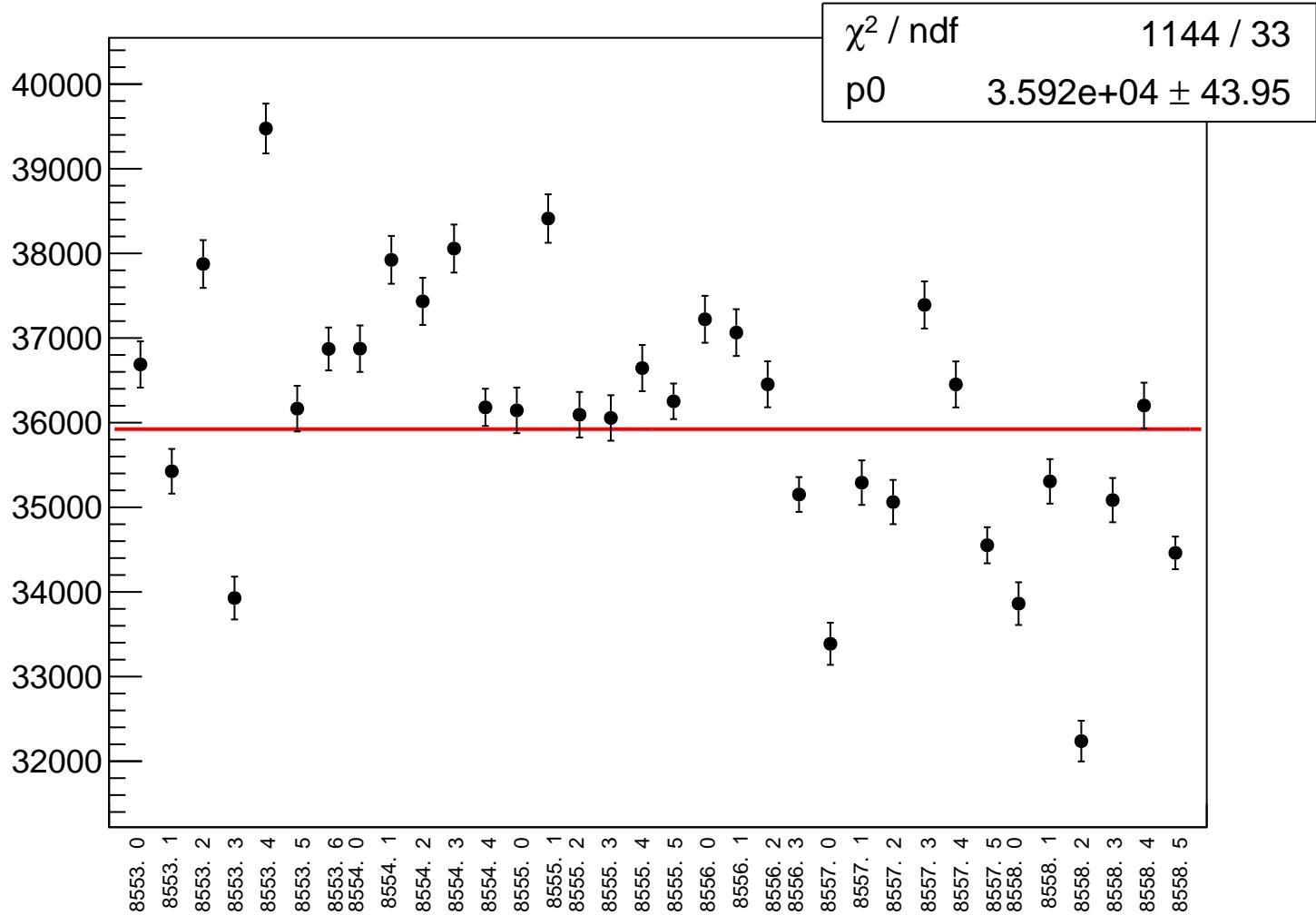
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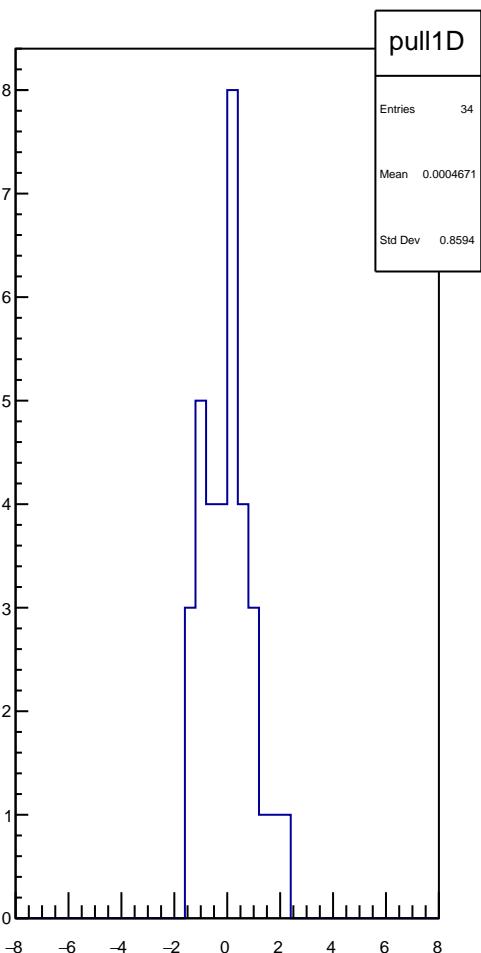
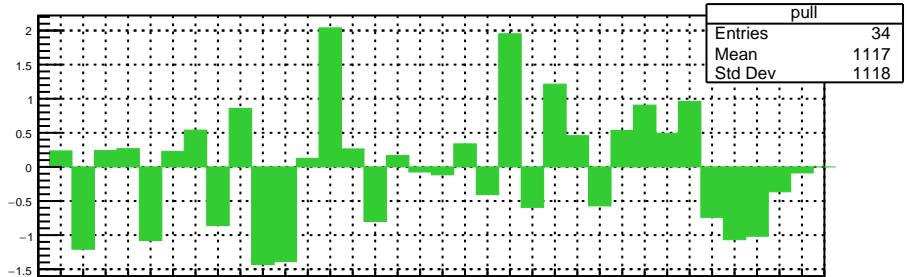
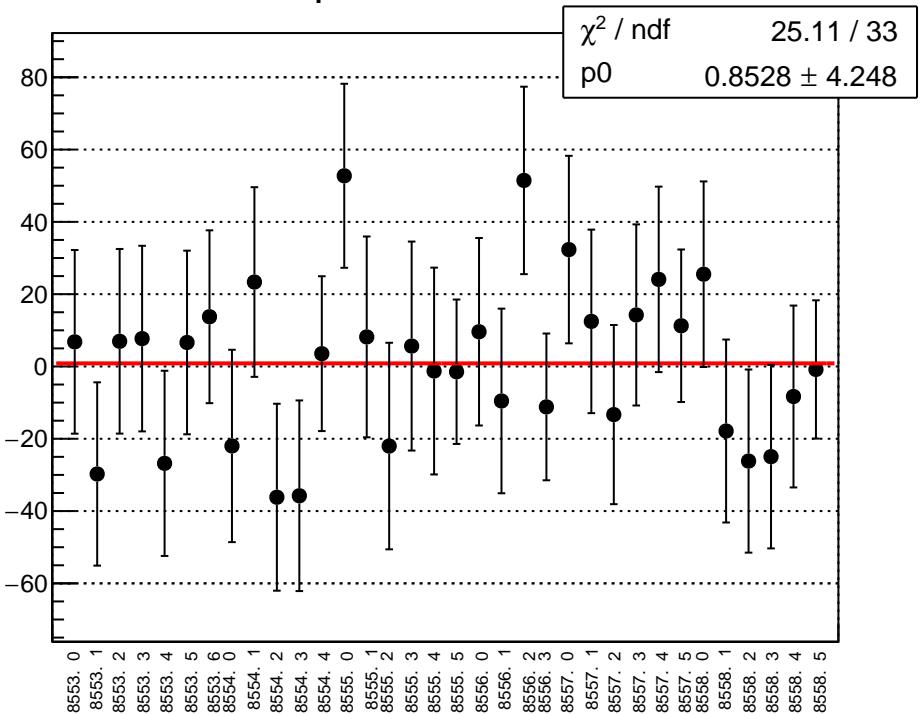
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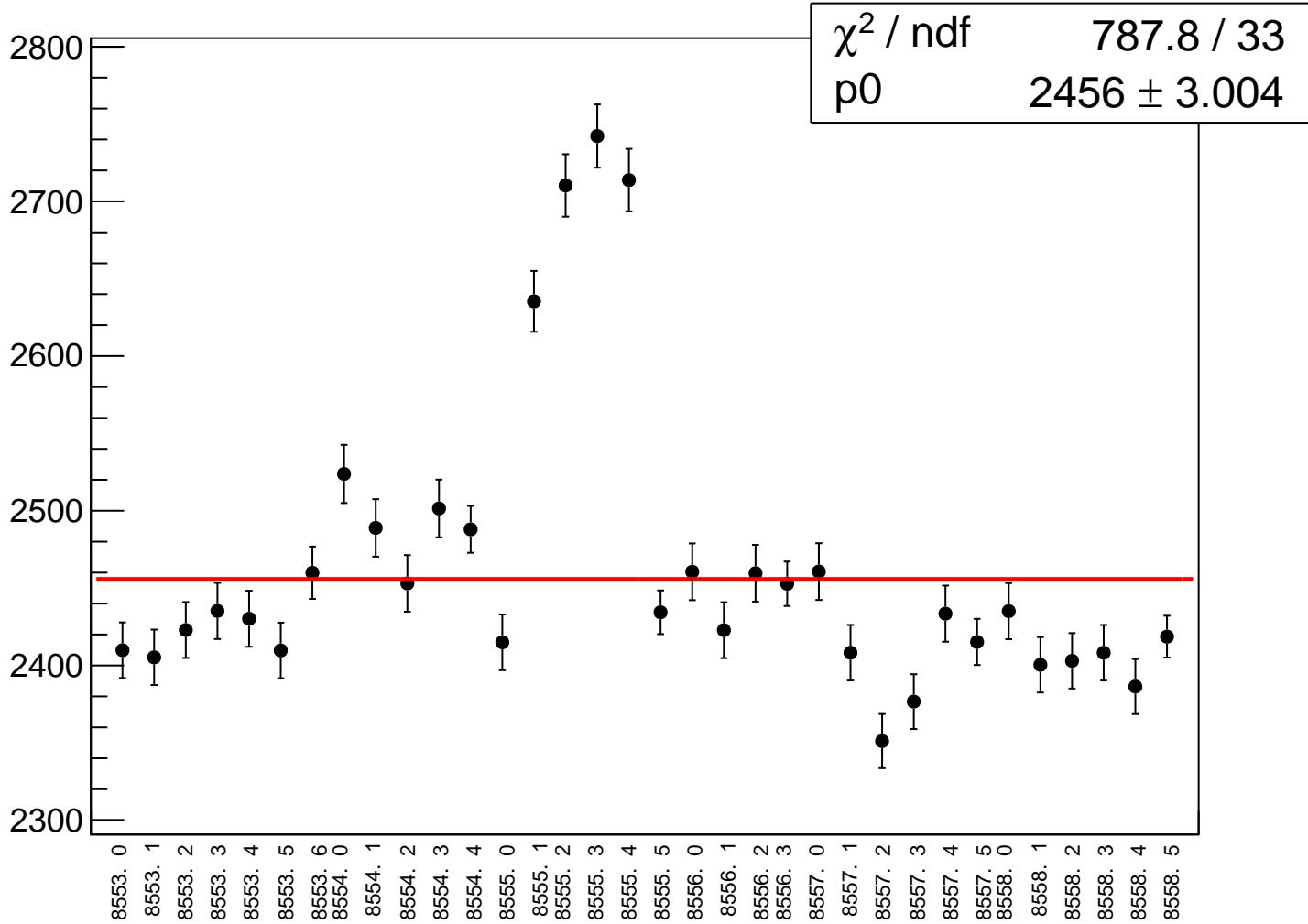
diff_bpm12X_rms vs run



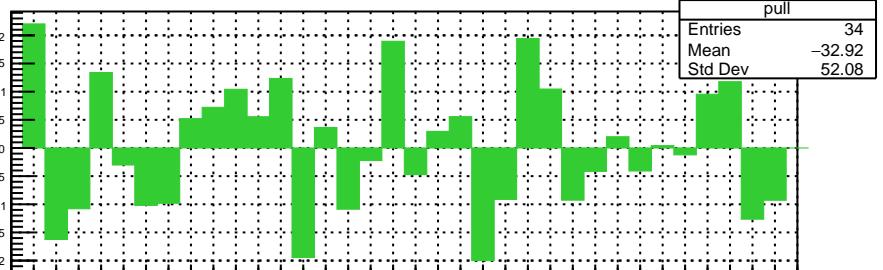
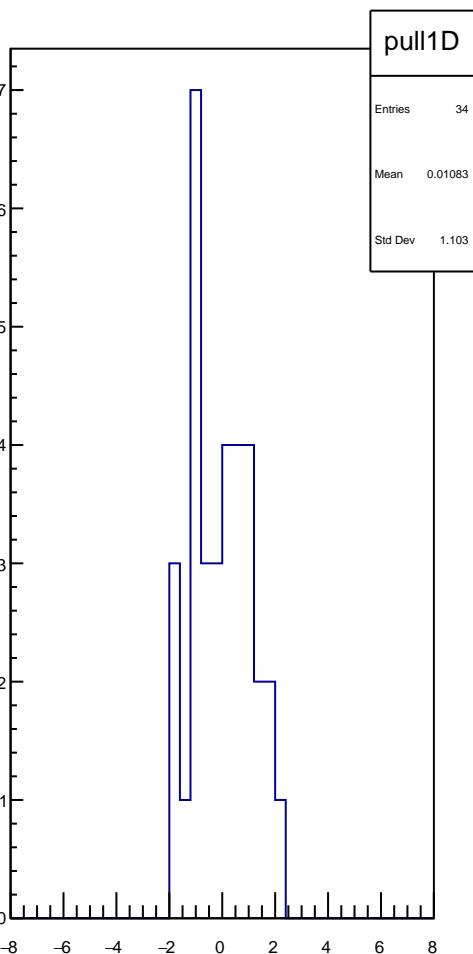
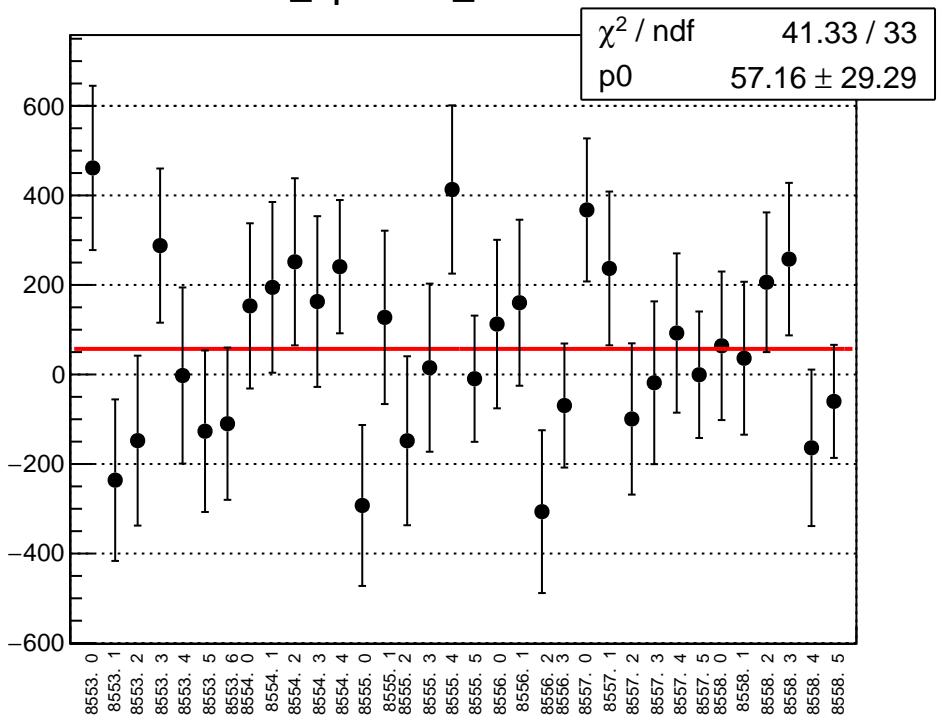
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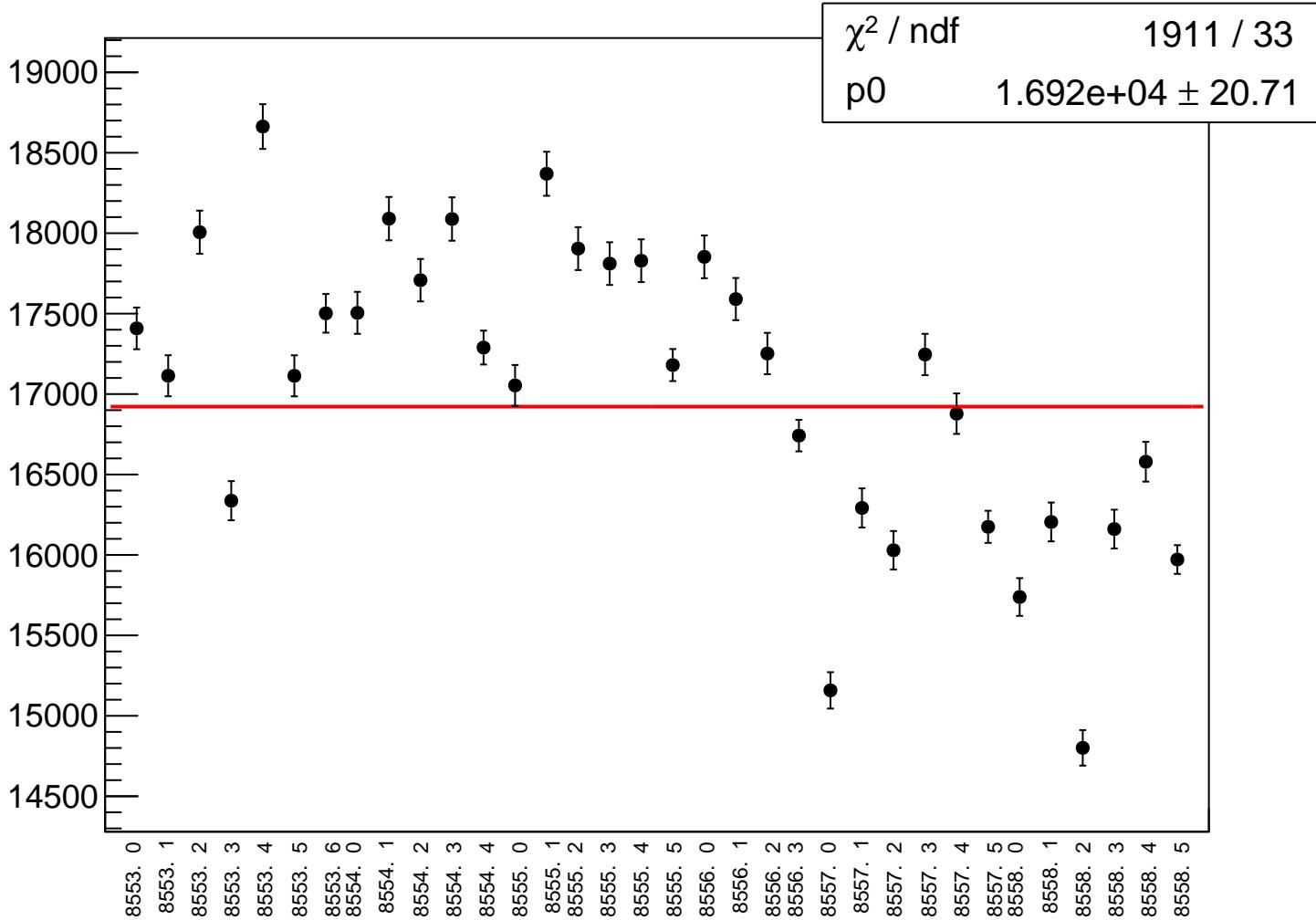
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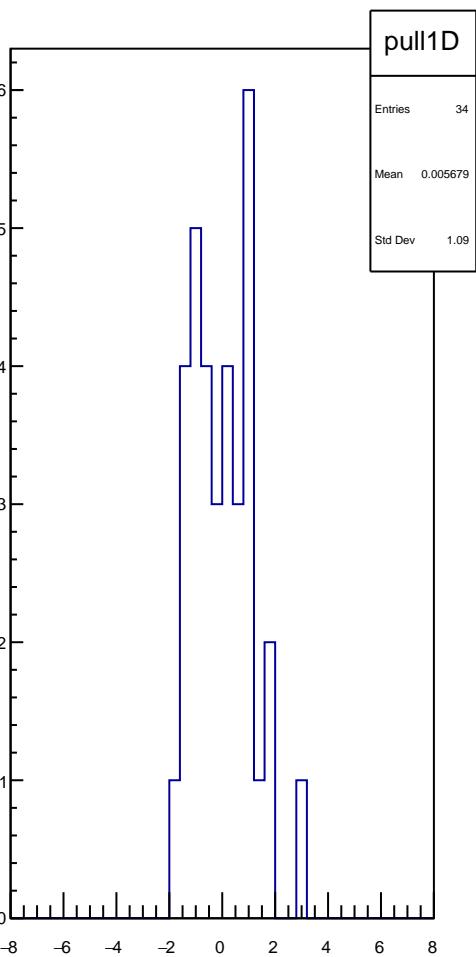
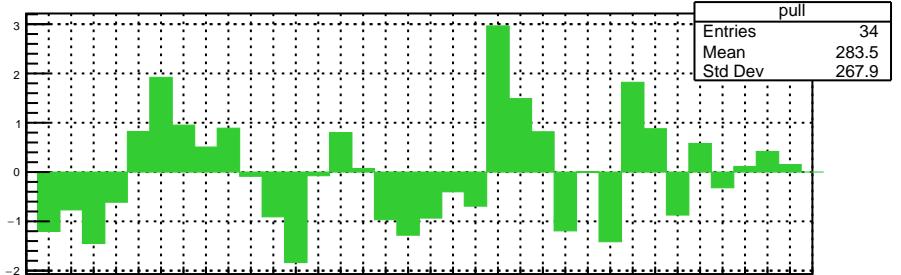
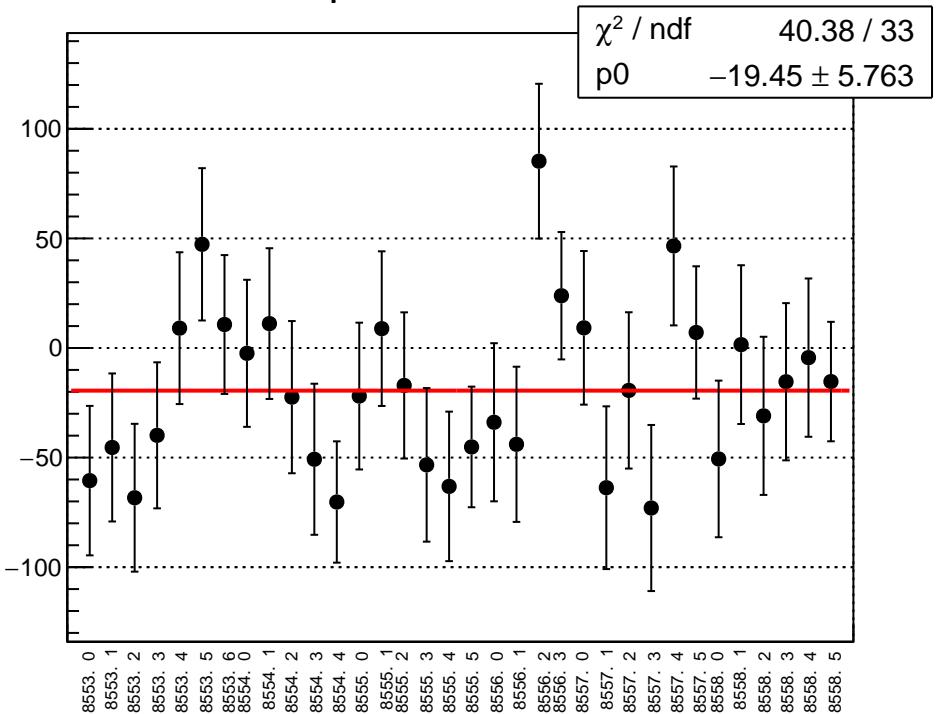
diff_bpm16X_mean vs run



diff_bpm16X_rms vs run



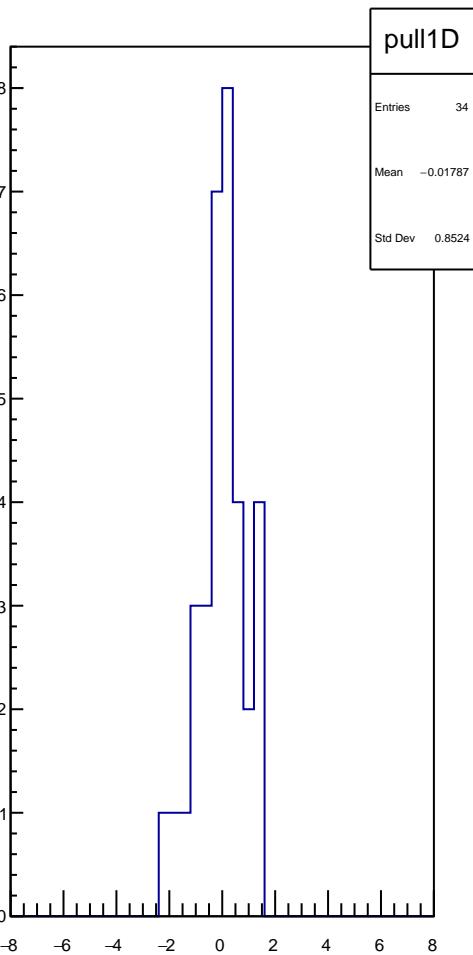
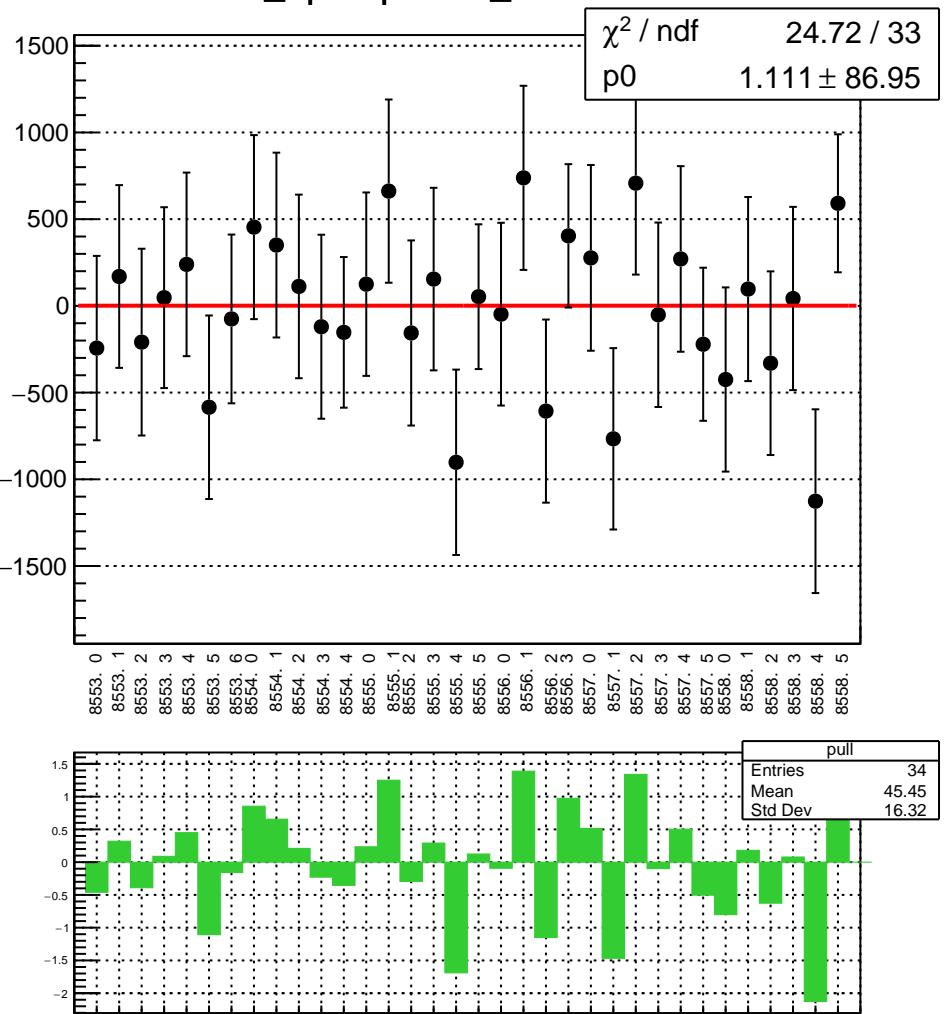
diff_bpm16Y_mean vs run



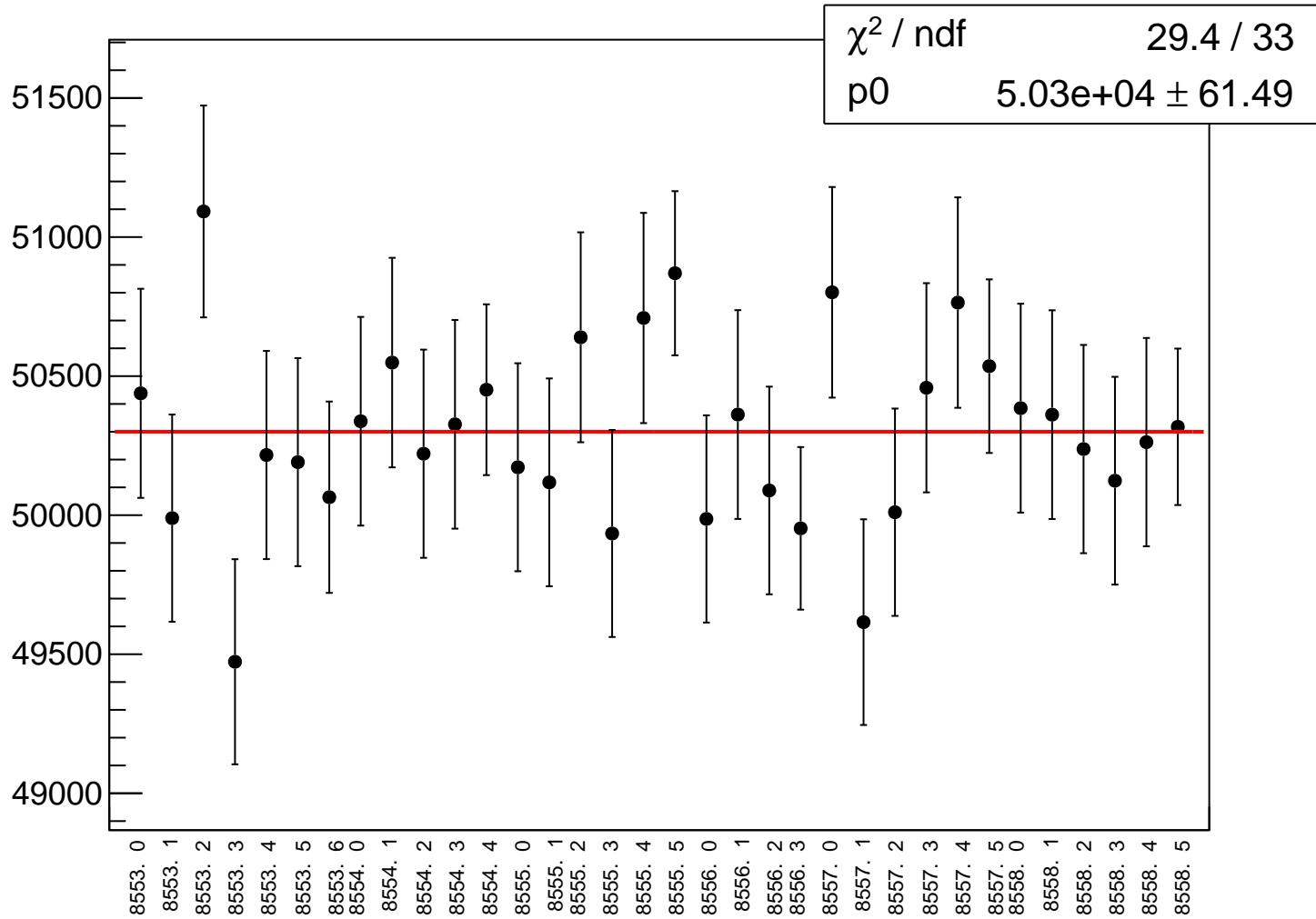
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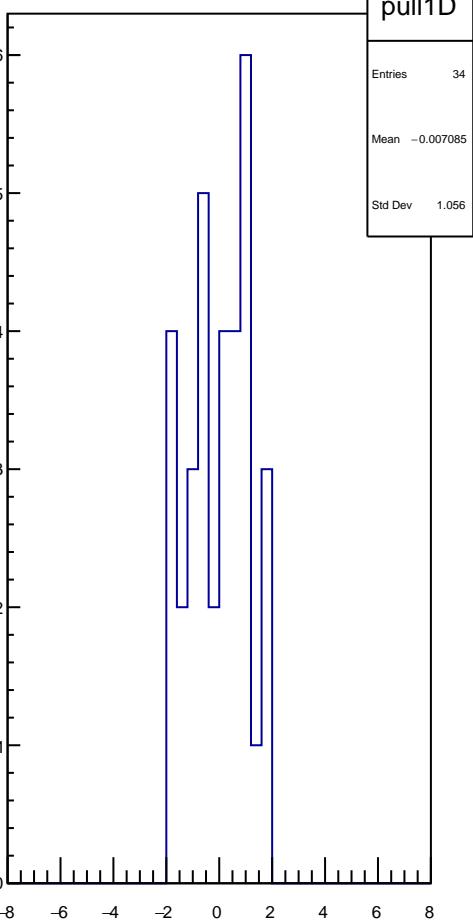
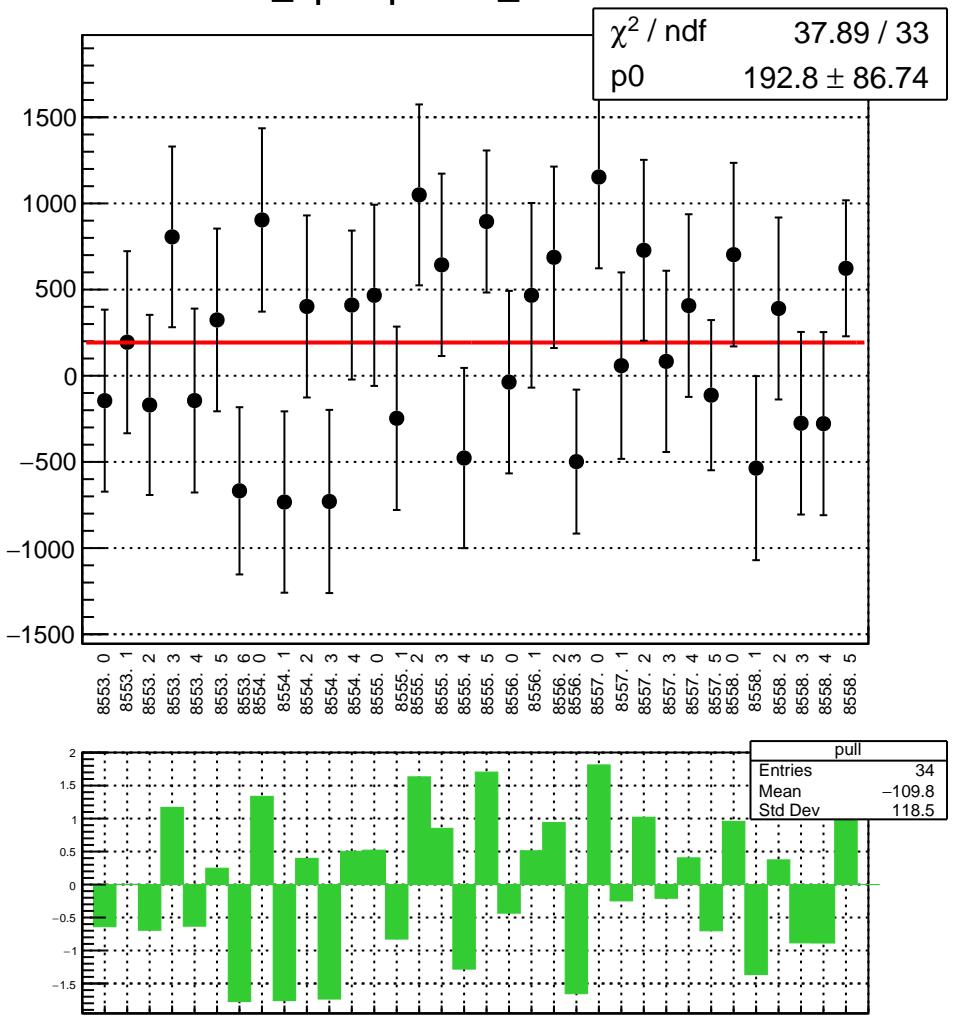
diff_bpm1p02bX_mean vs run



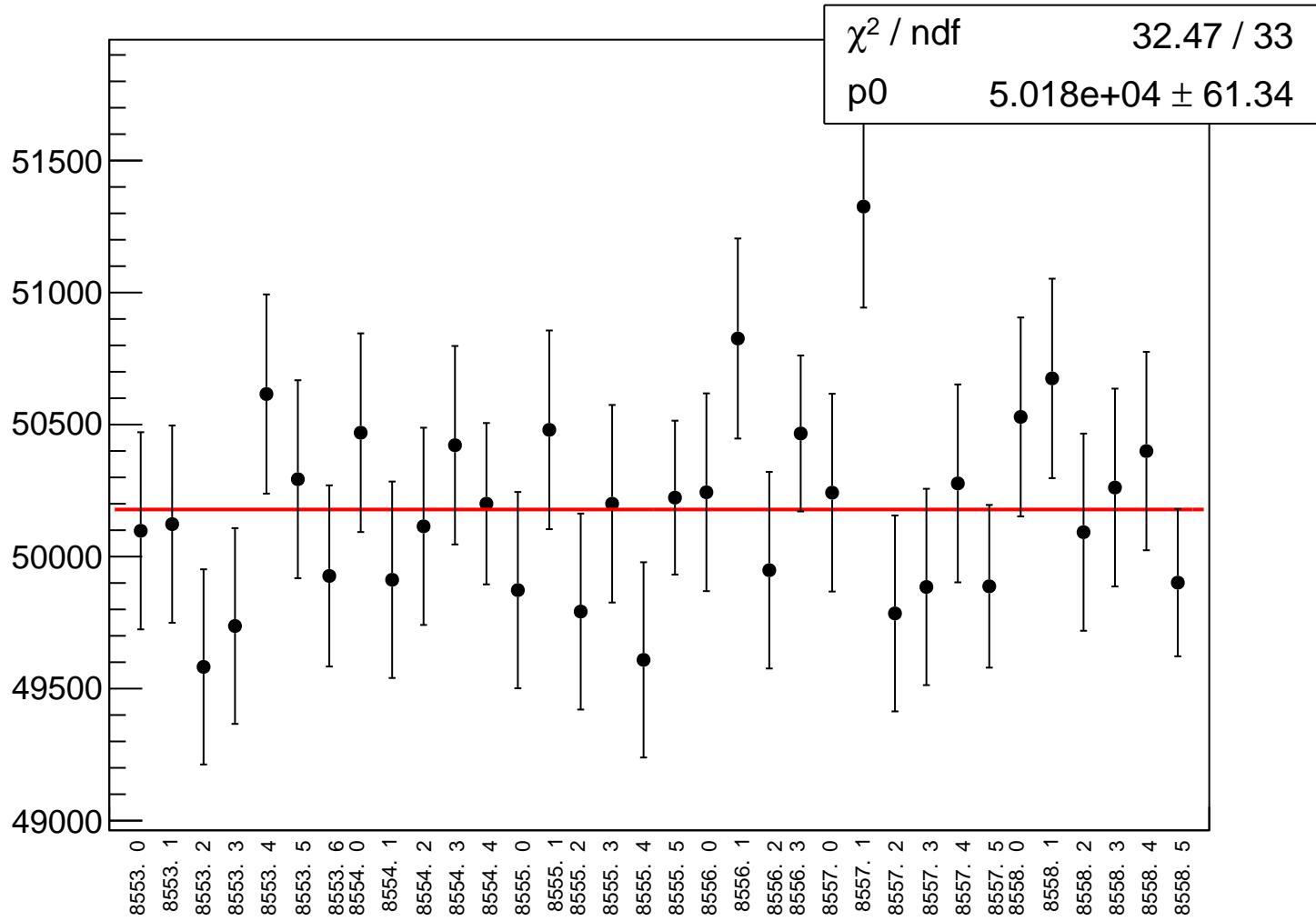
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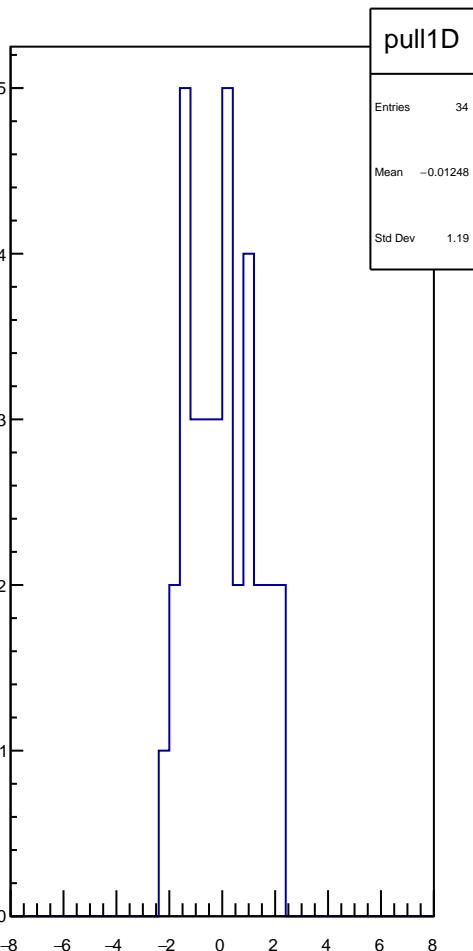
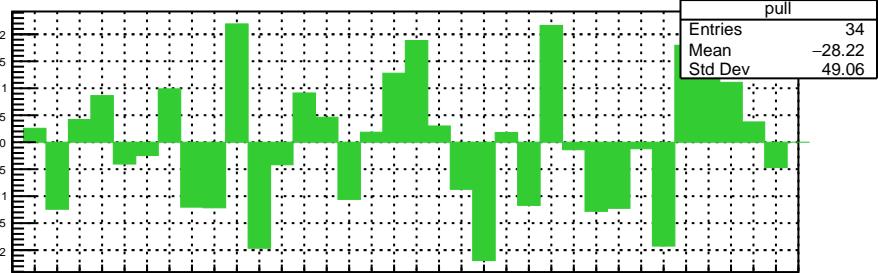
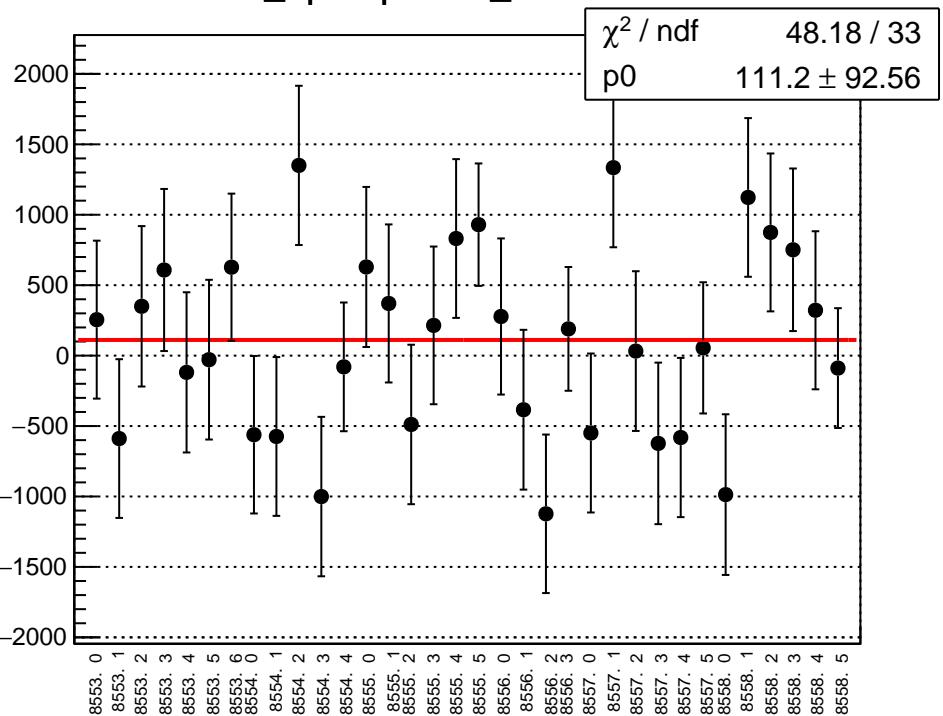
diff_bpm1p02bY_mean vs run



diff_bpm1p02bY_rms vs run



diff_bpm1p03aX_mean vs run



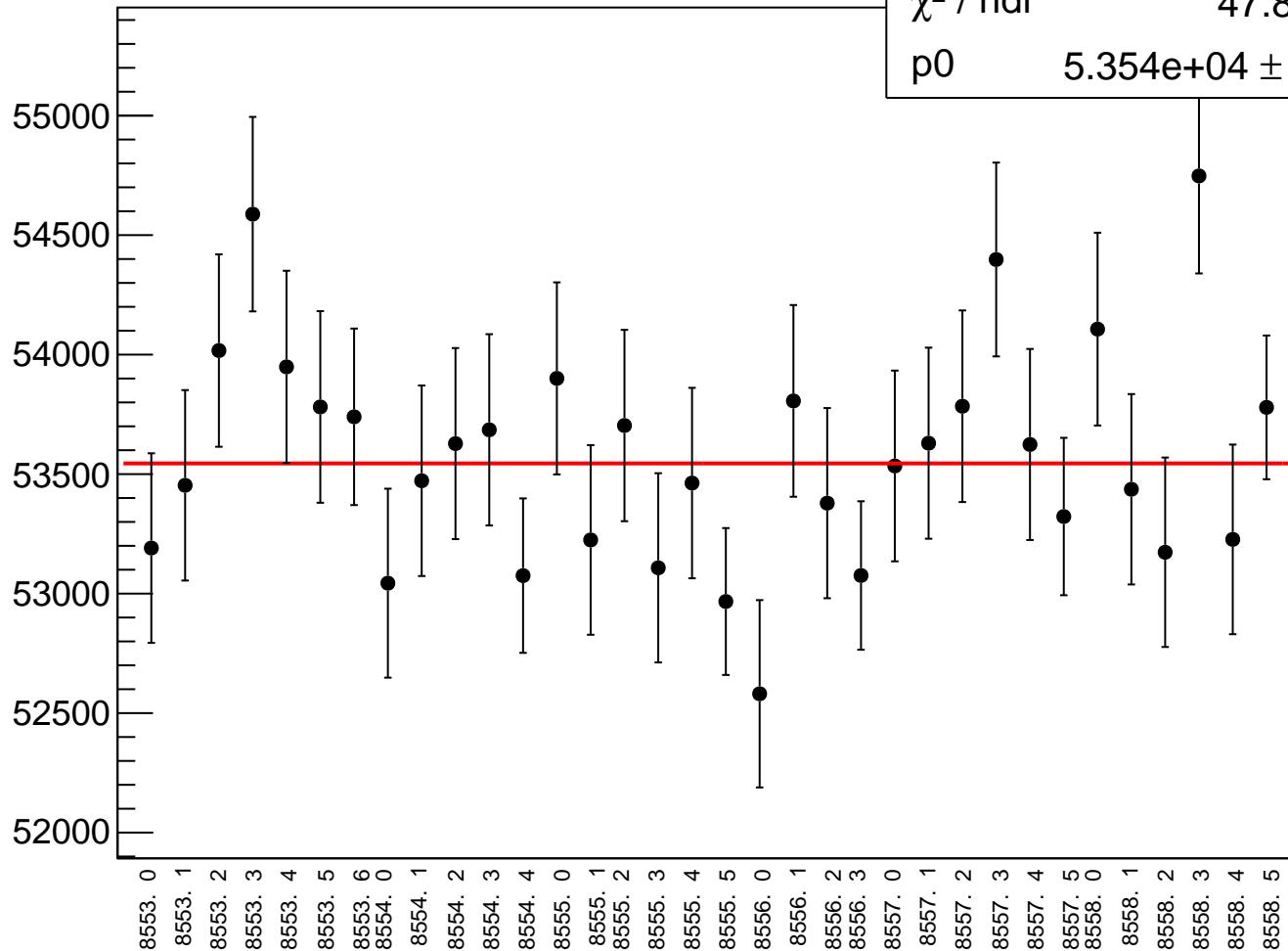
diff_bpm1p03aX_rms vs run

χ^2 / ndf

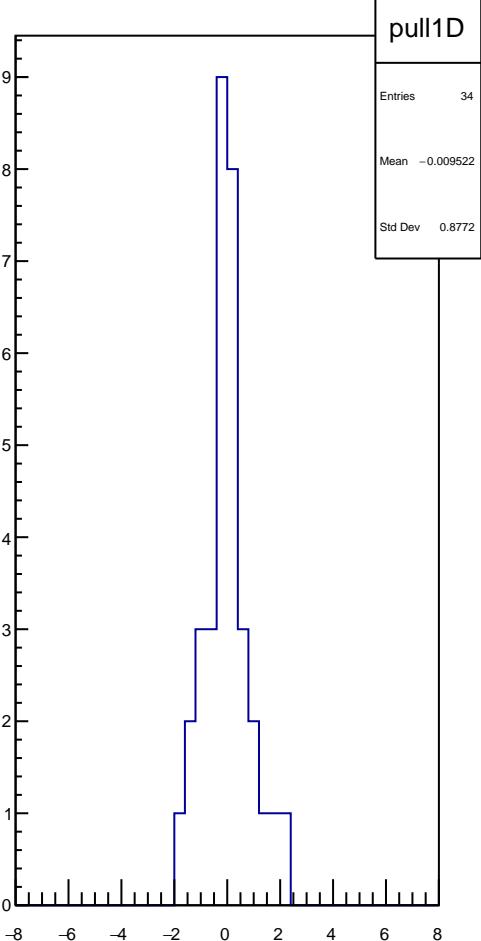
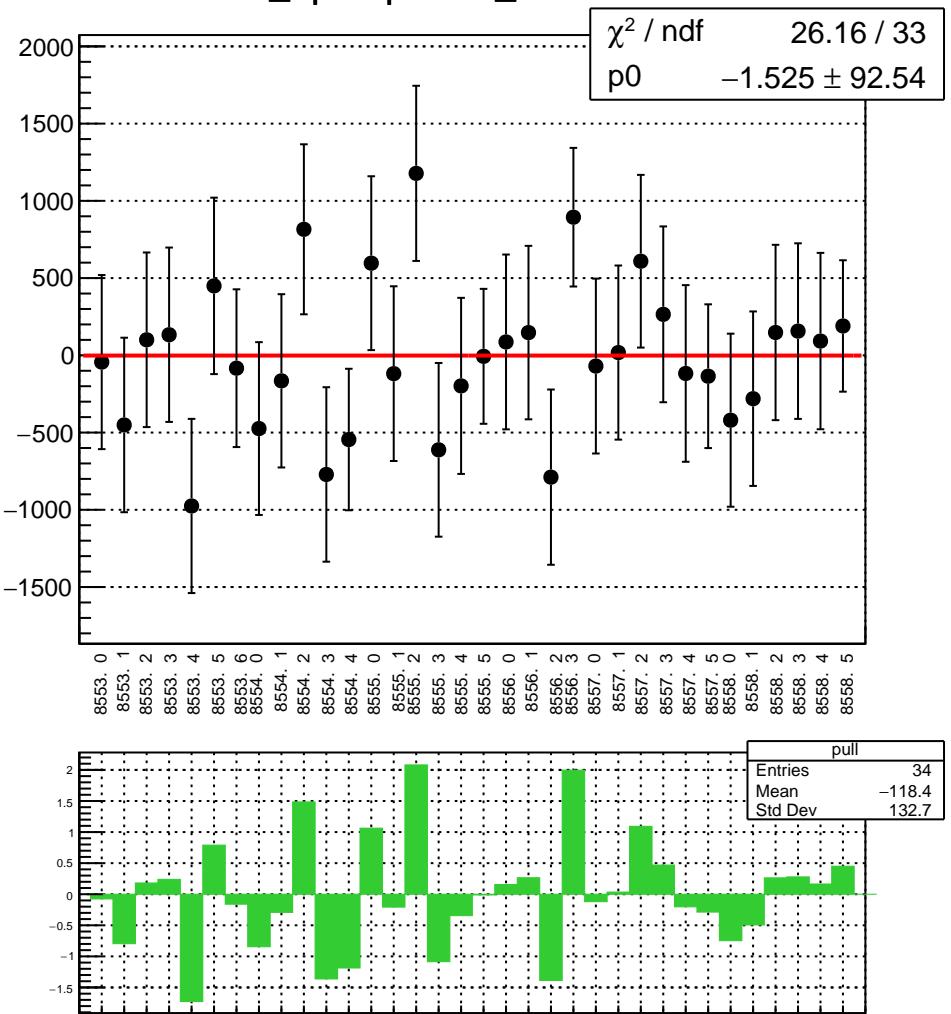
47.83 / 33

p0

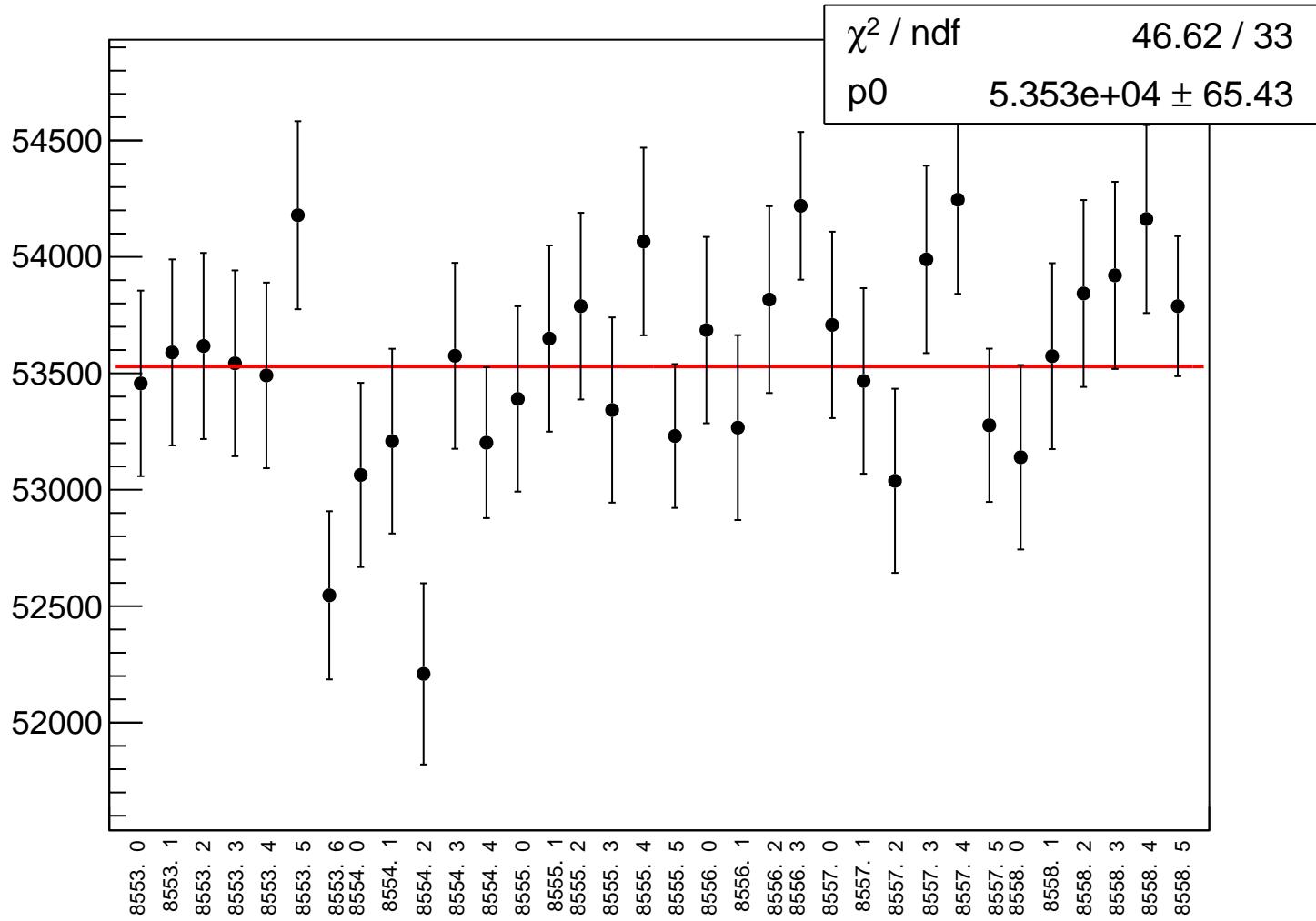
$5.354 \times 10^4 \pm 65.45$



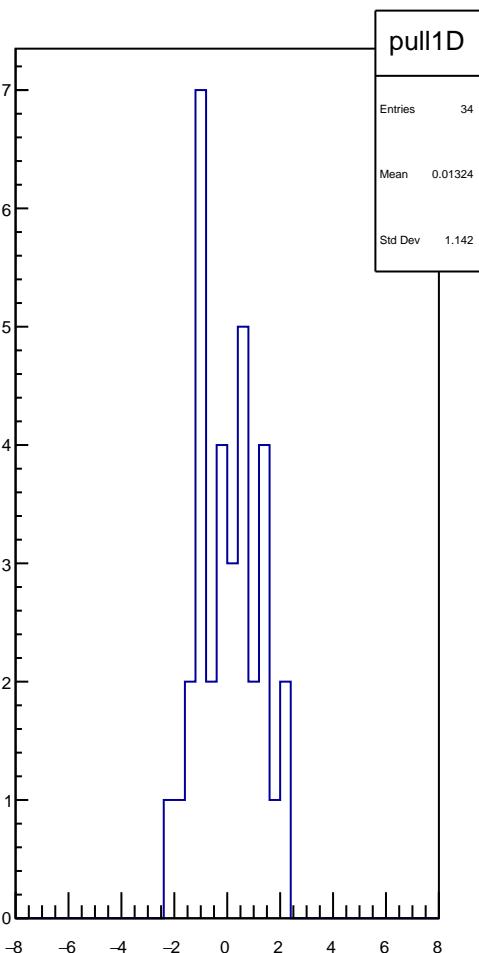
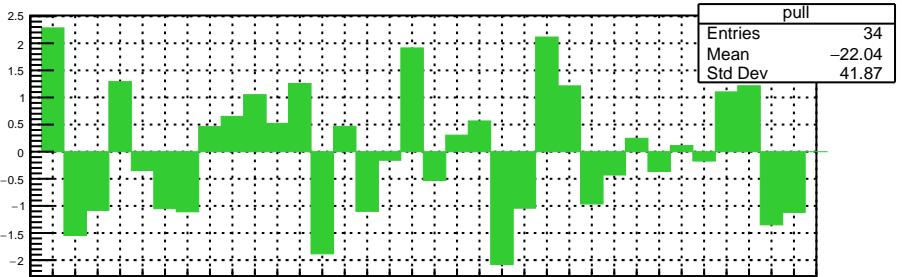
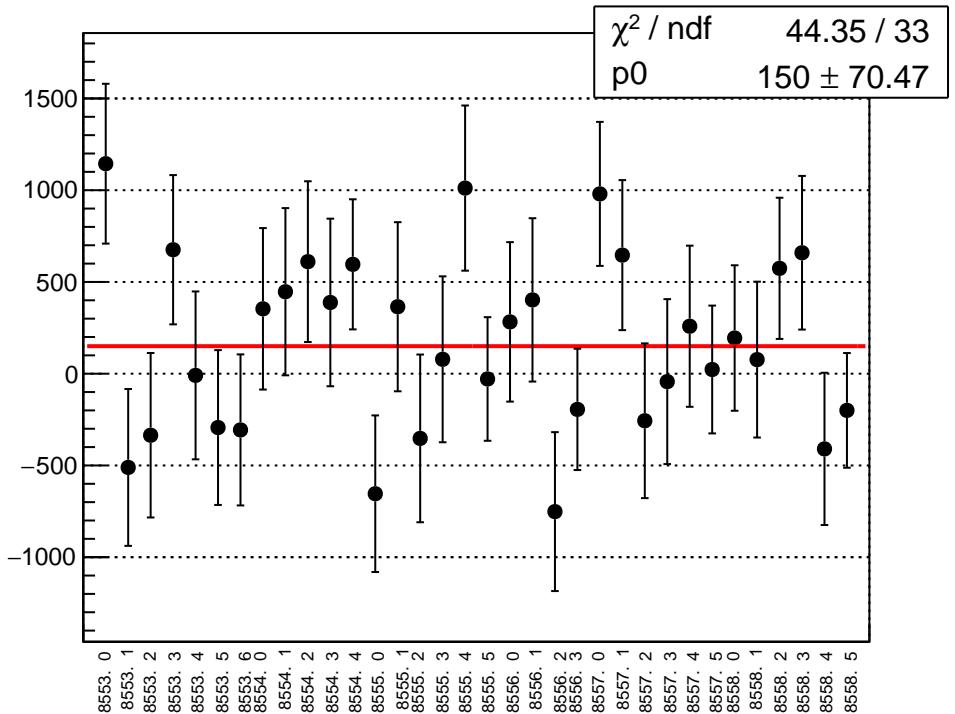
diff_bpm1p03aY_mean vs run



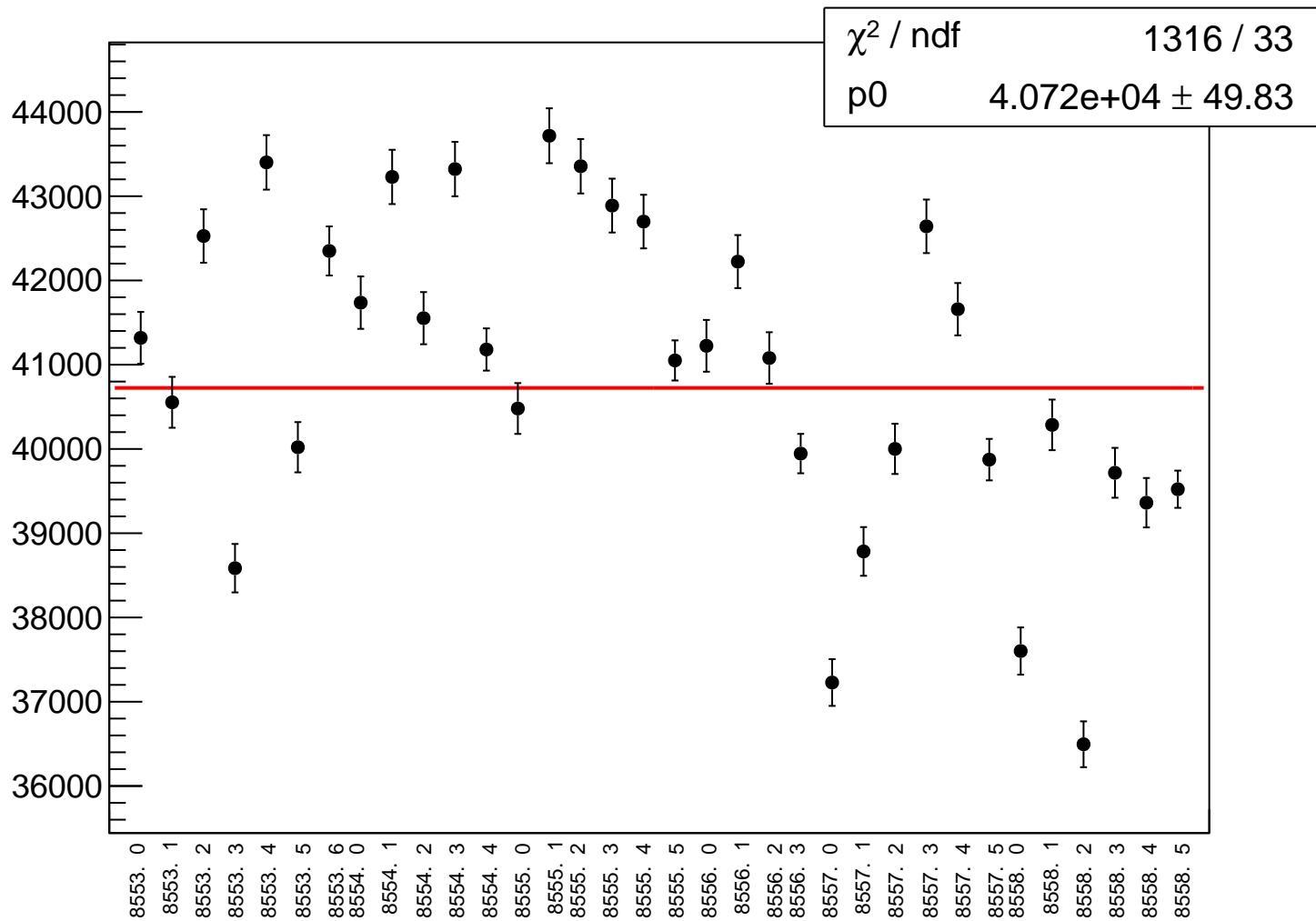
diff_bpm1p03aY_rms vs run



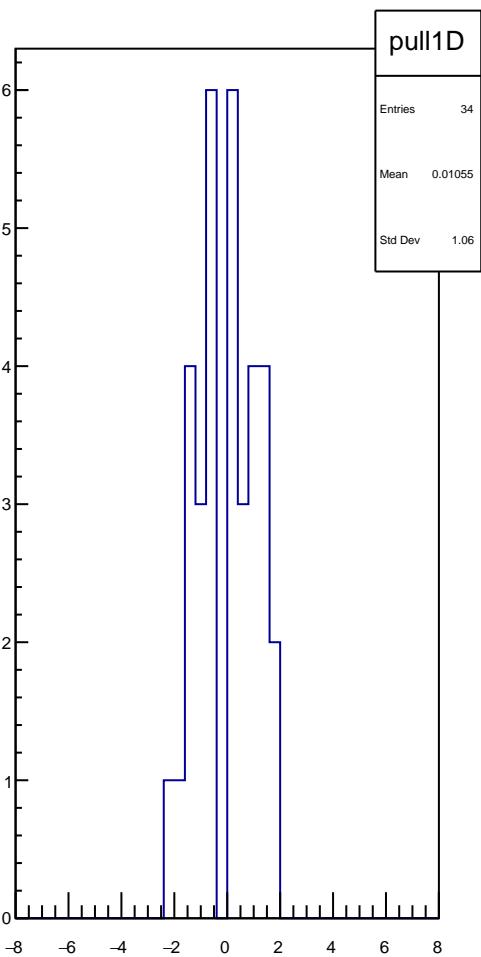
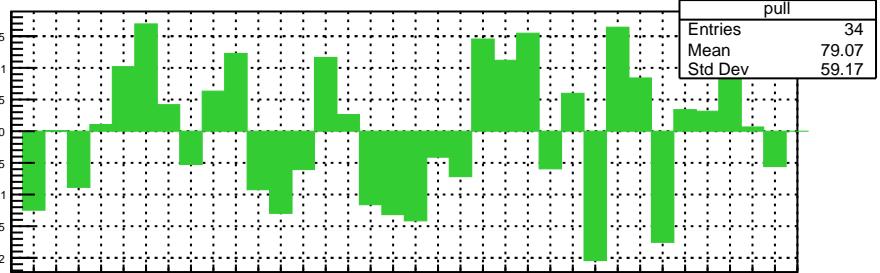
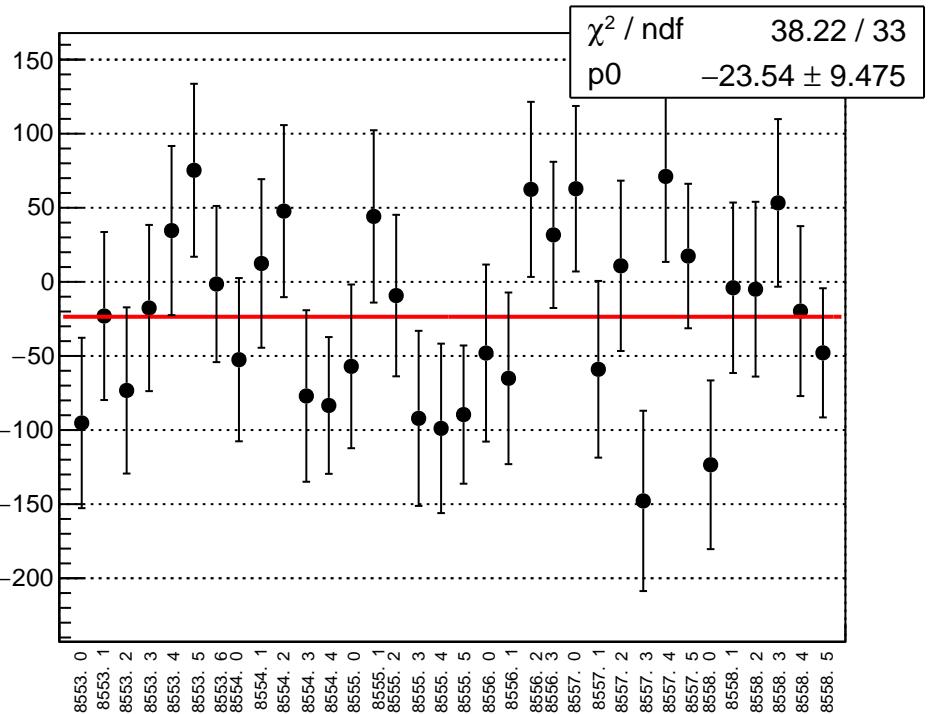
diff_cav4bX_mean vs run



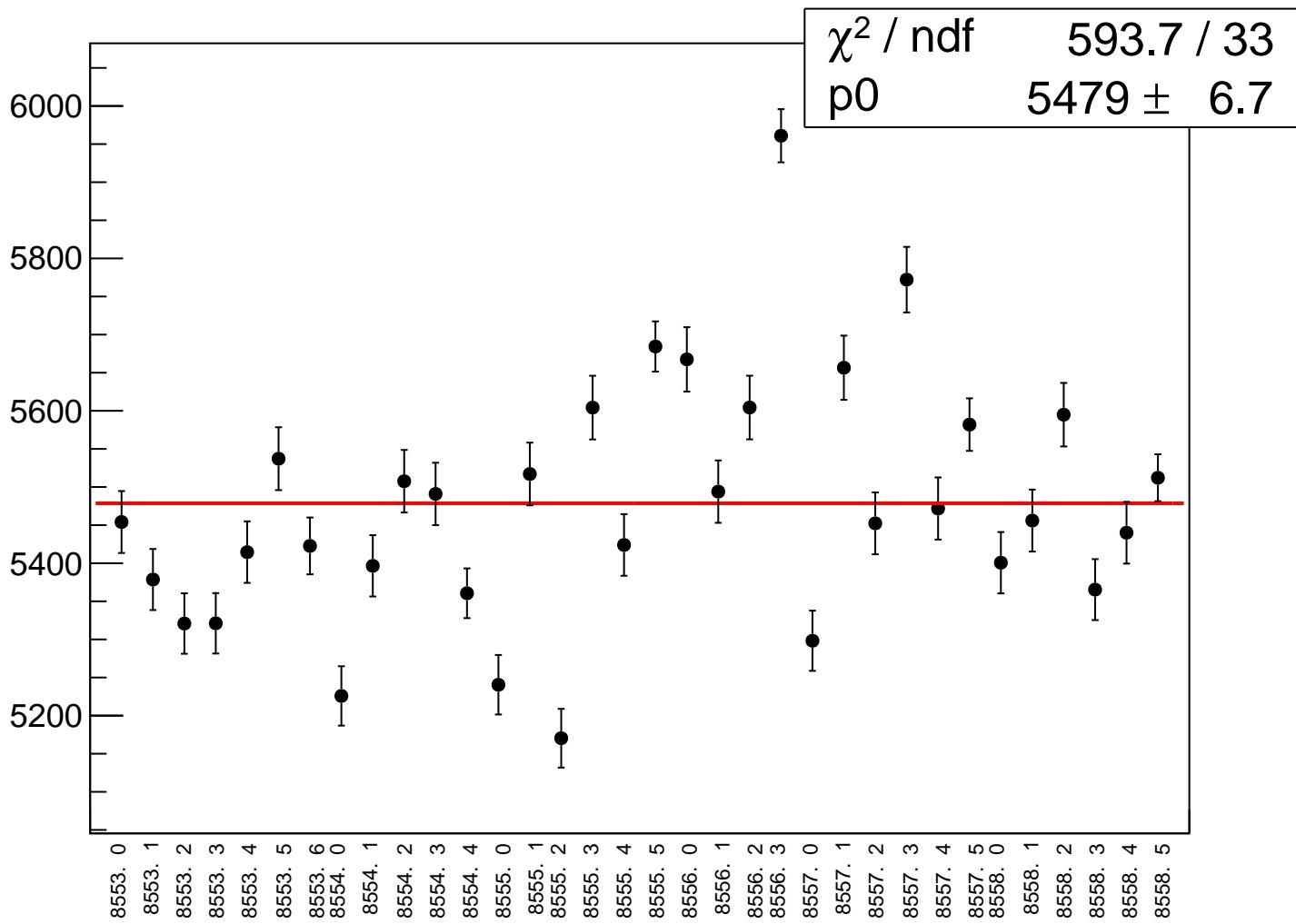
diff_cav4bX_rms vs run



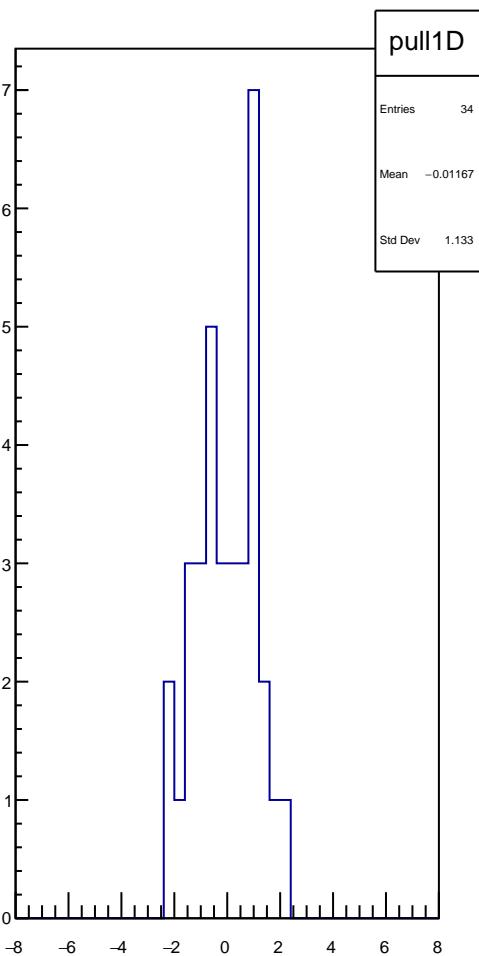
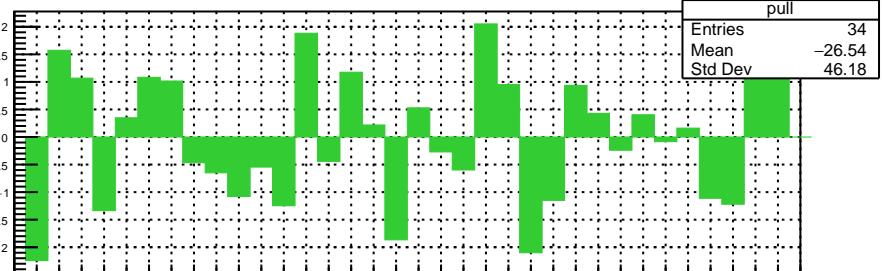
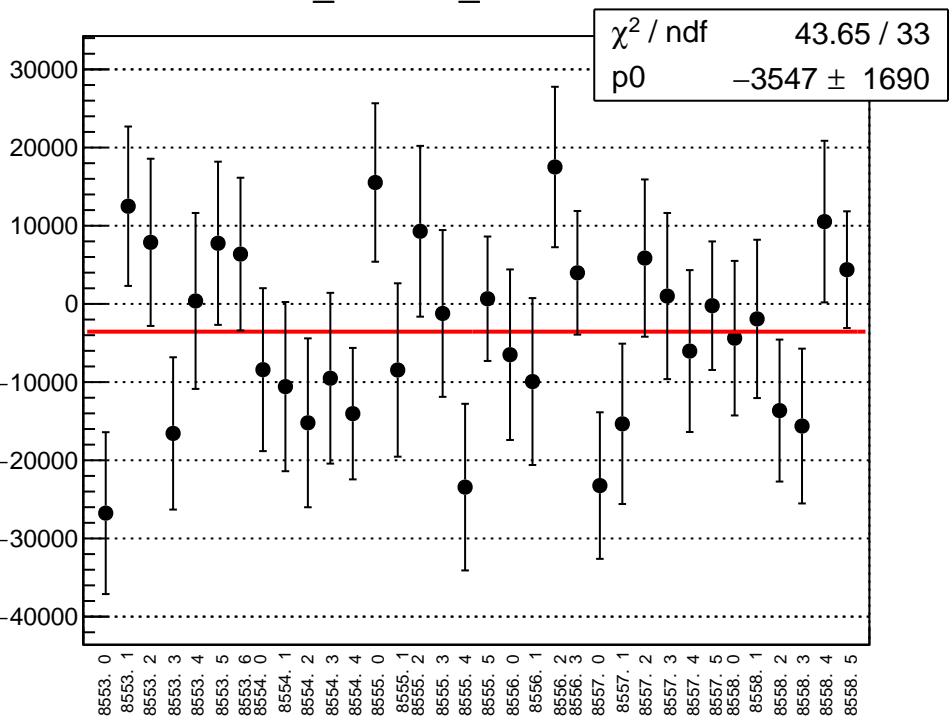
diff_cav4bY_mean vs run



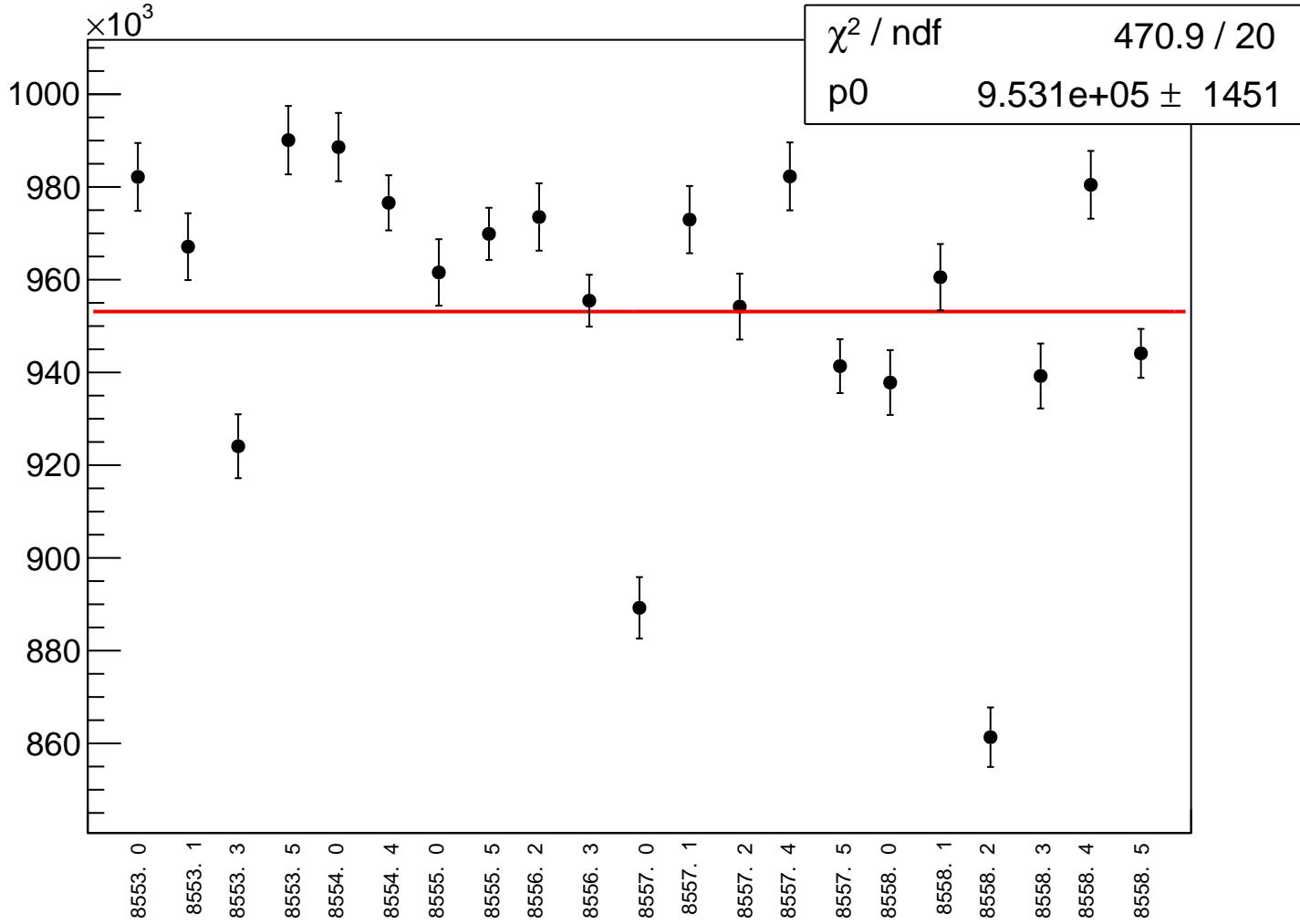
diff_cav4bY_rms vs run



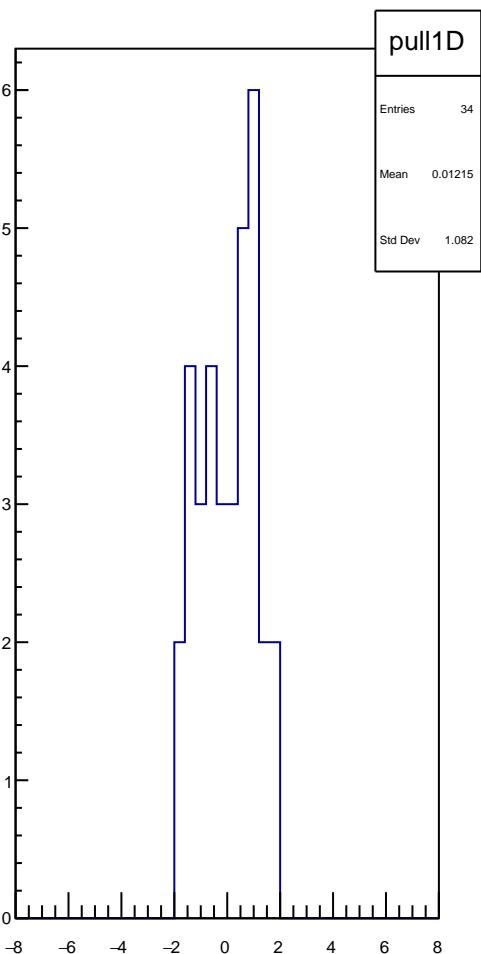
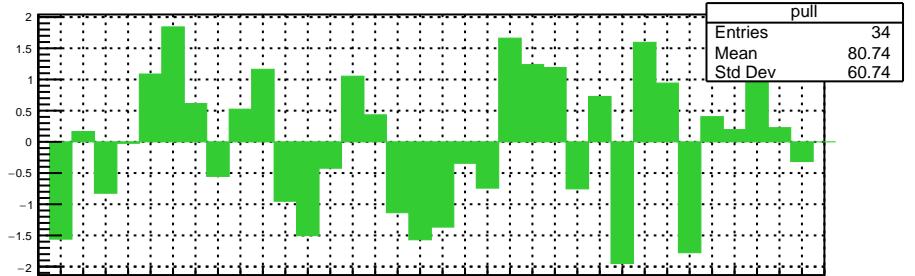
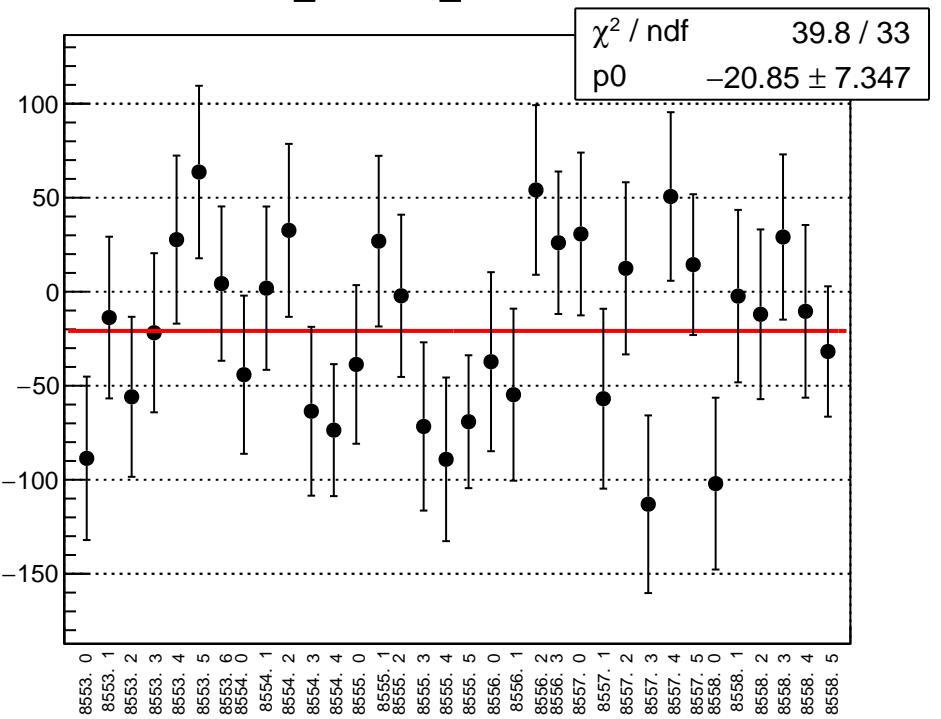
diff_cav4cX_mean vs run



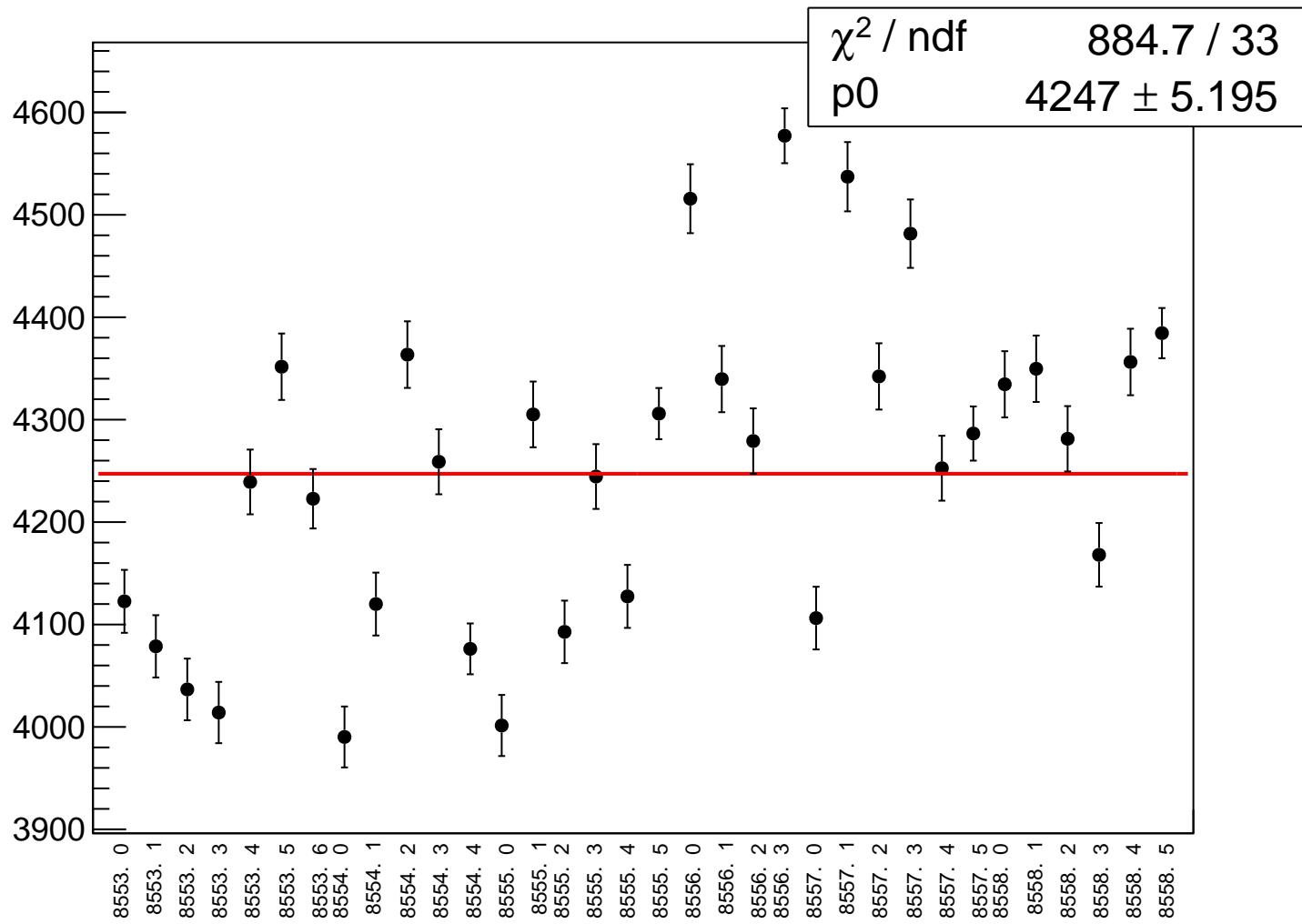
diff_cav4cX_rms vs run



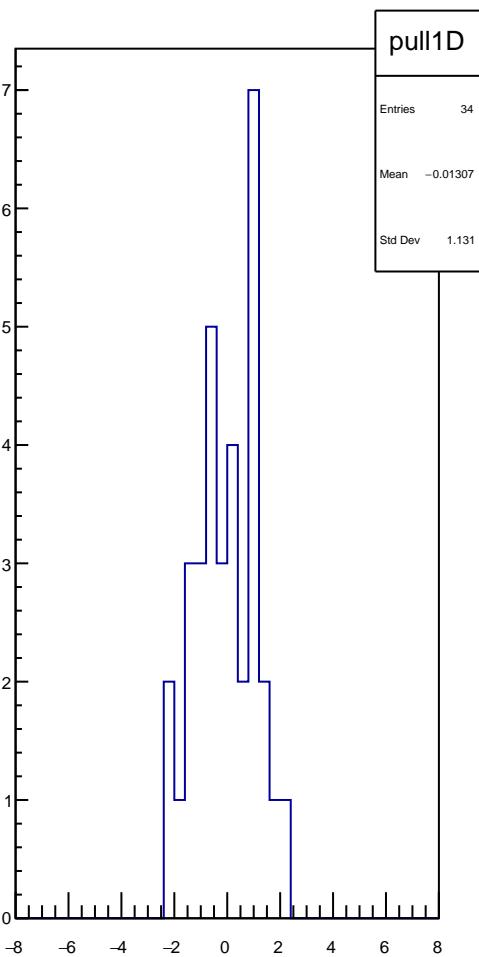
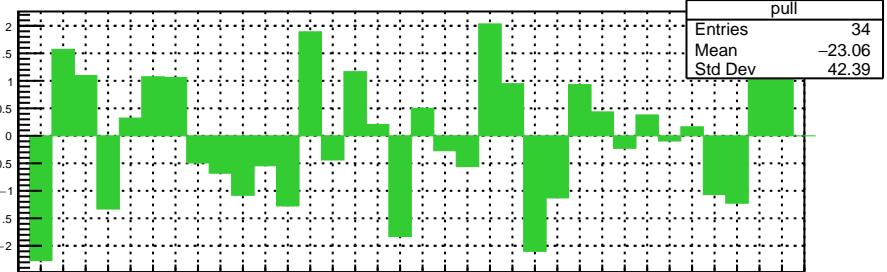
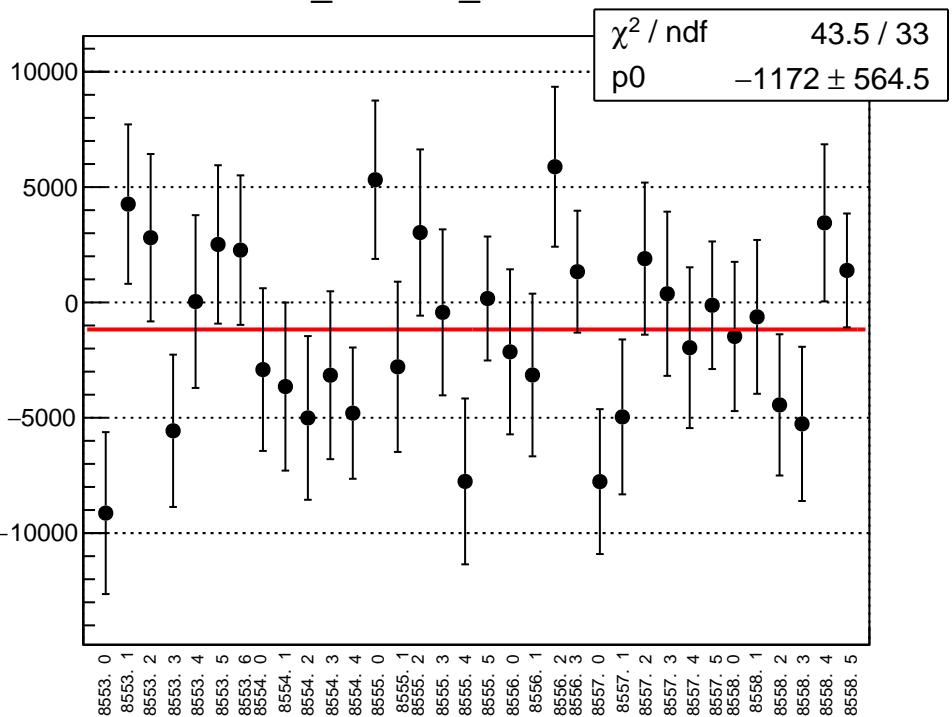
diff_cav4cY_mean vs run



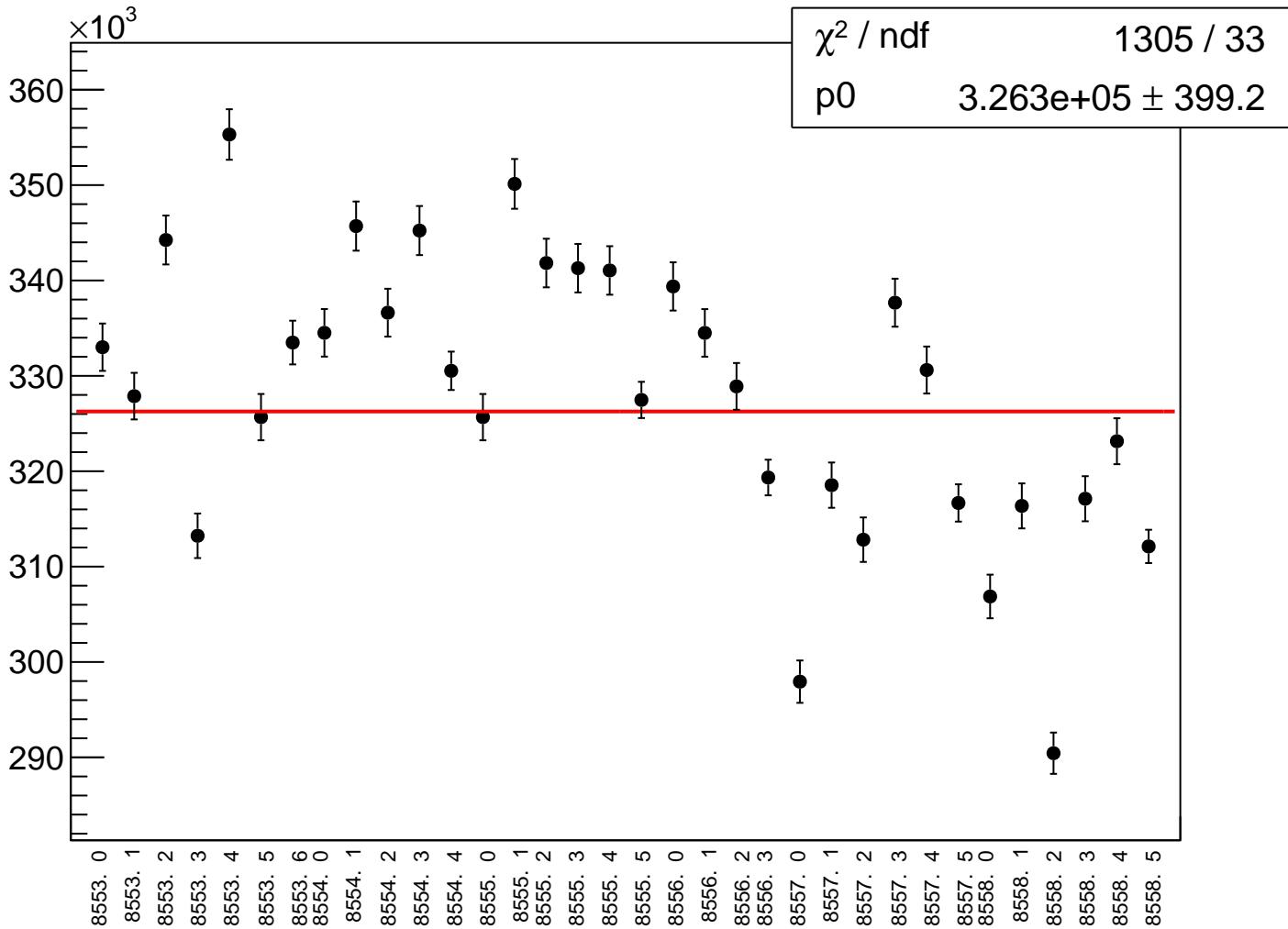
diff_cav4cY_rms vs run



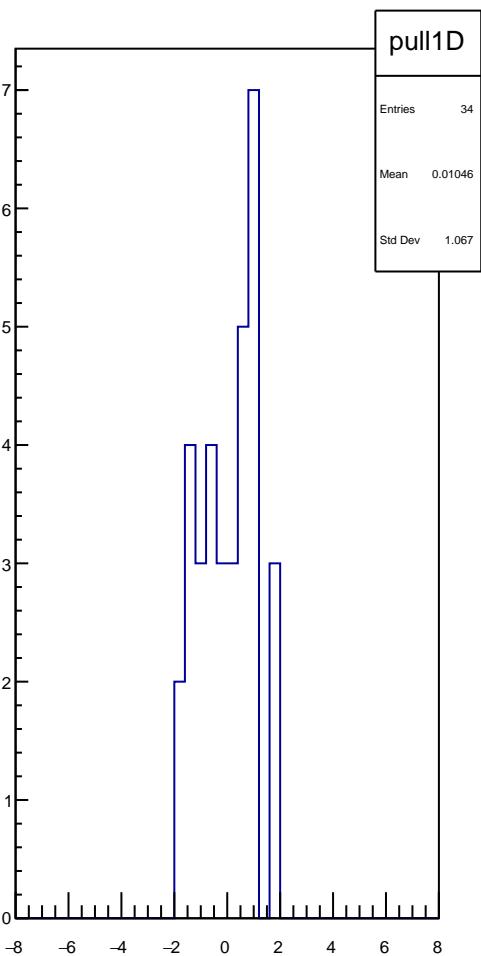
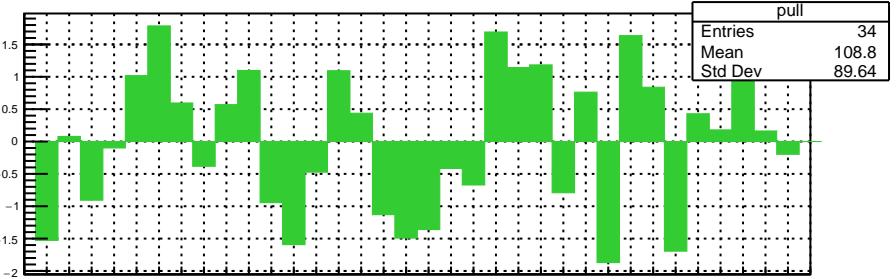
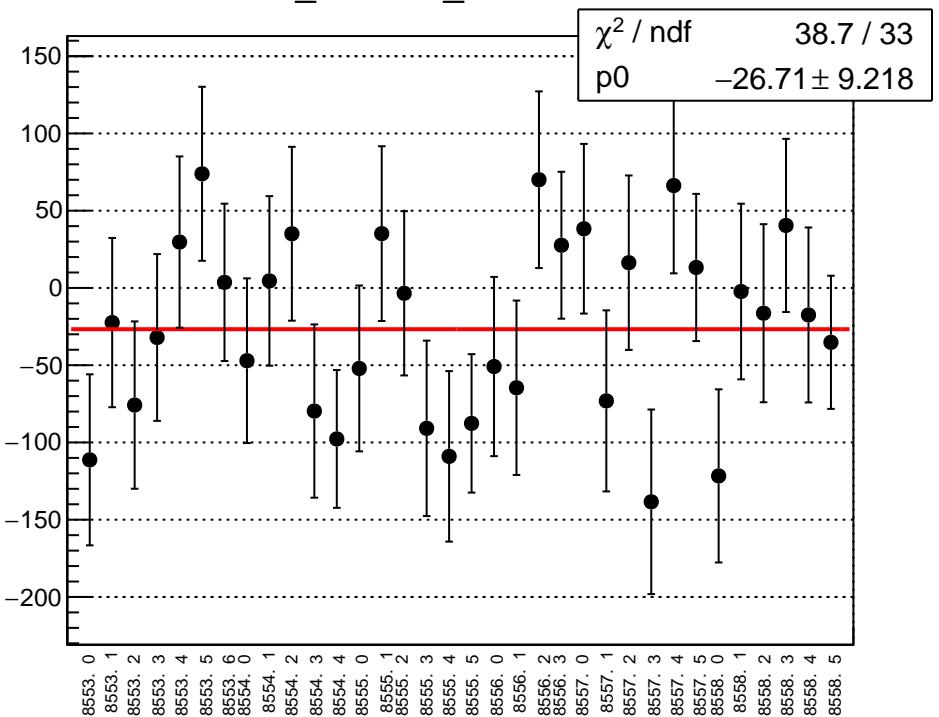
diff_cav4dX_mean vs run



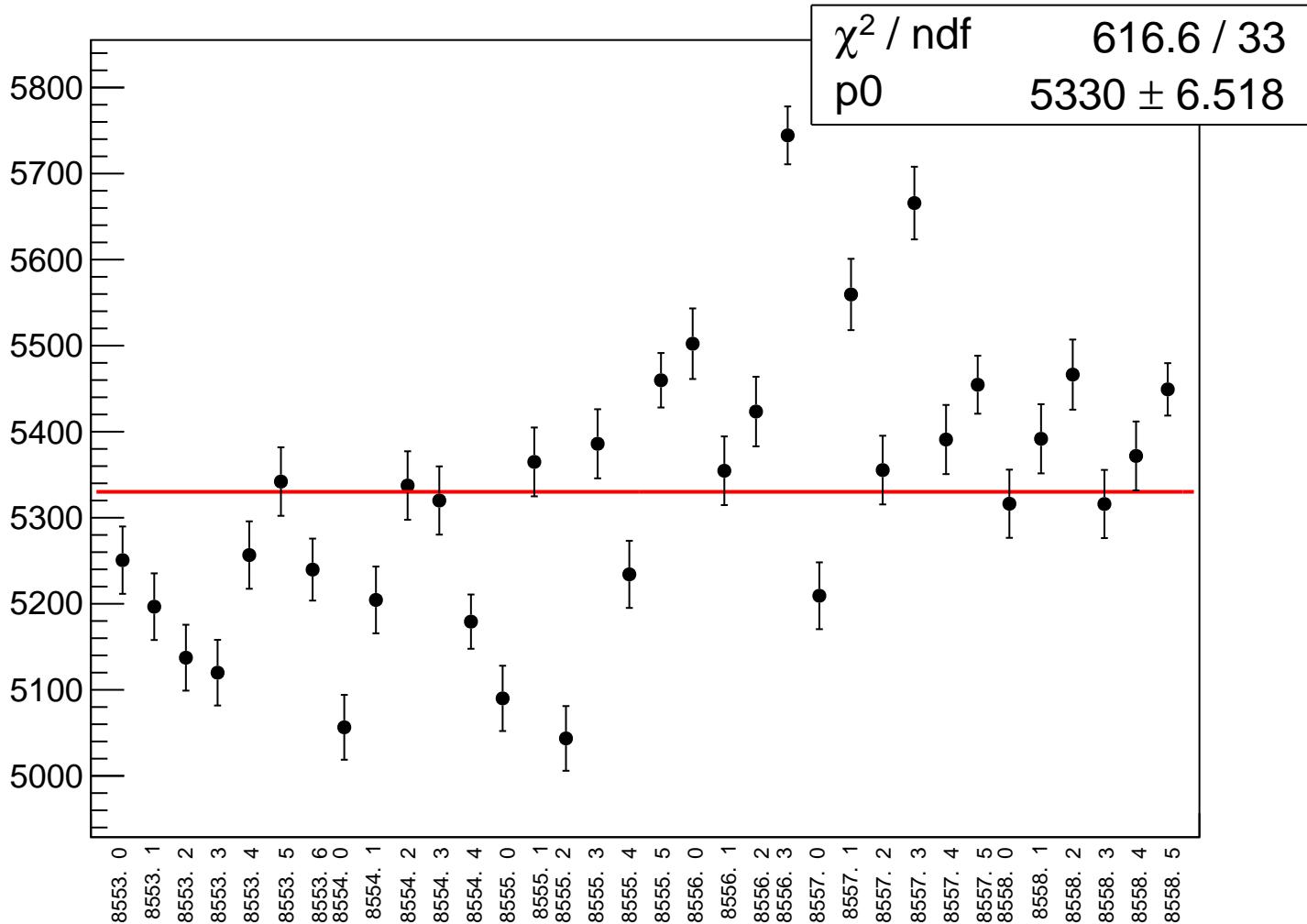
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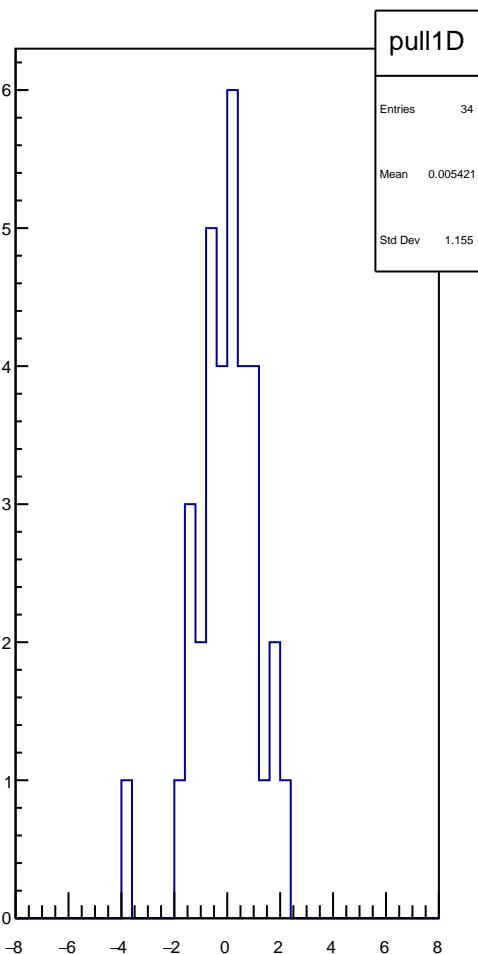
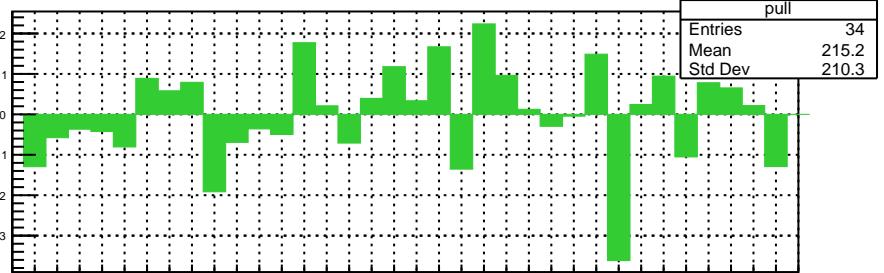
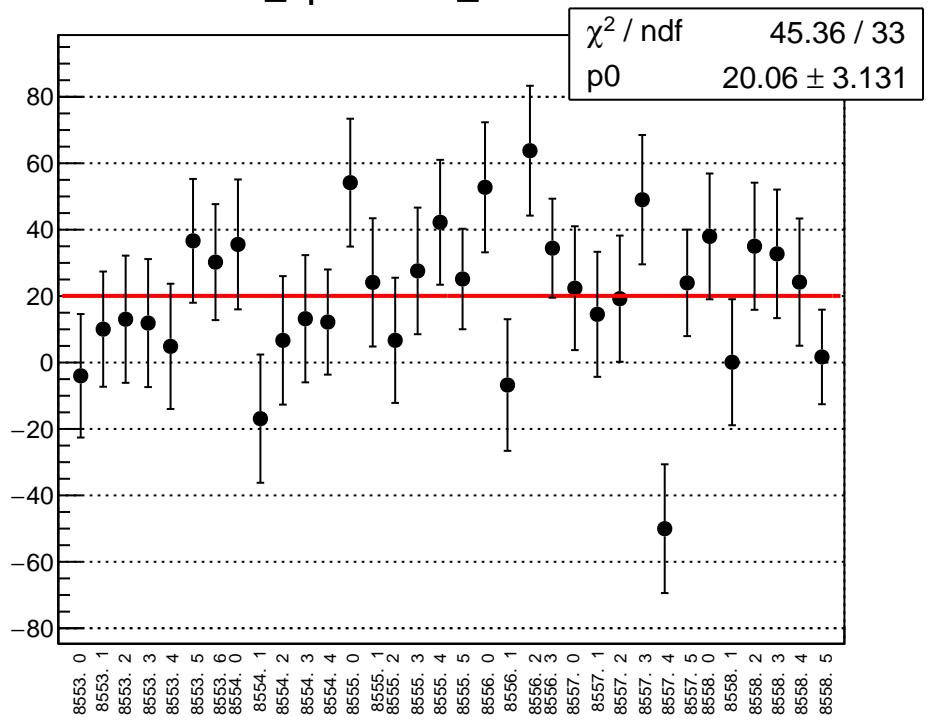
diff_cav4dY_mean vs run



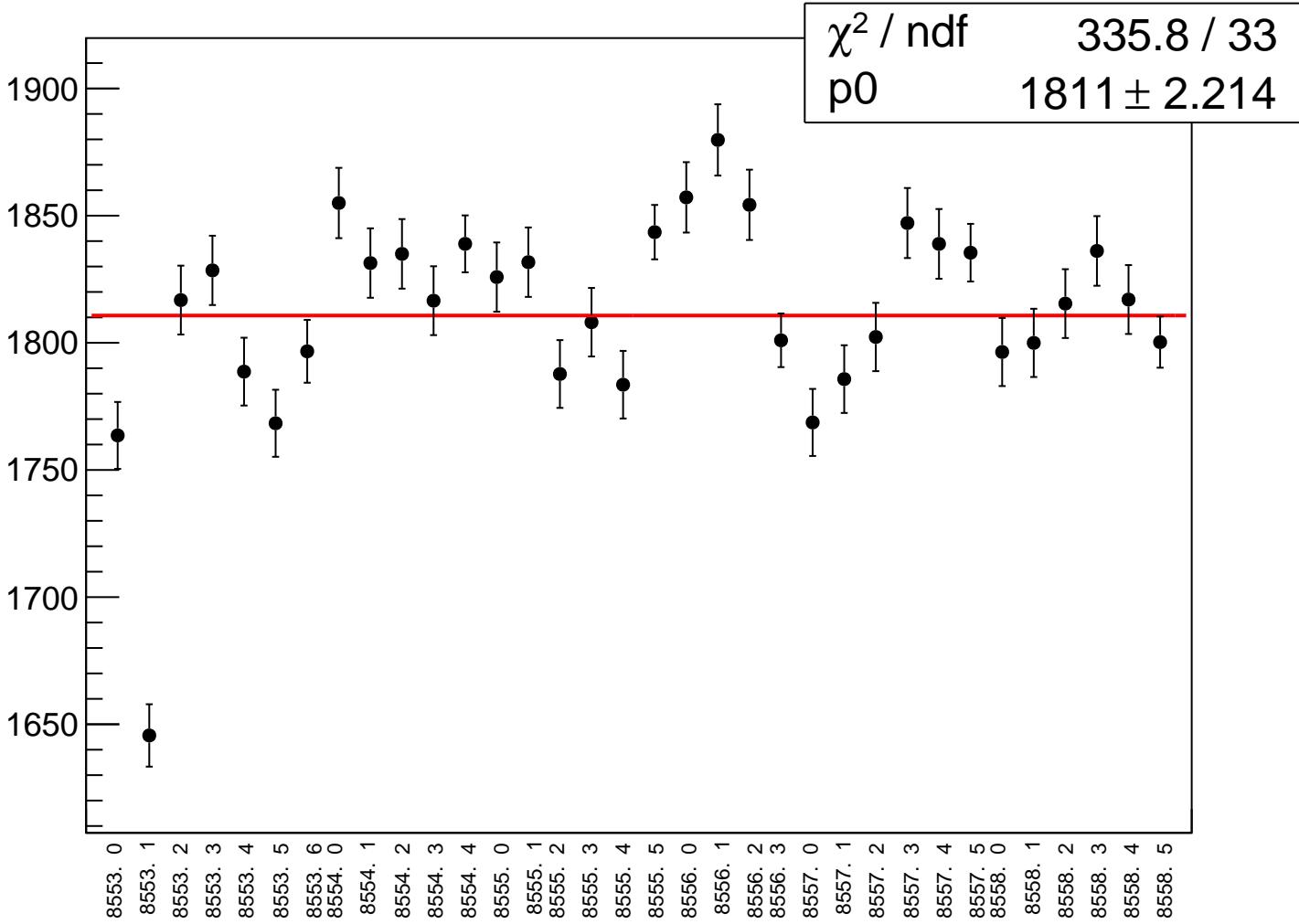
diff_cav4dY_rms vs run



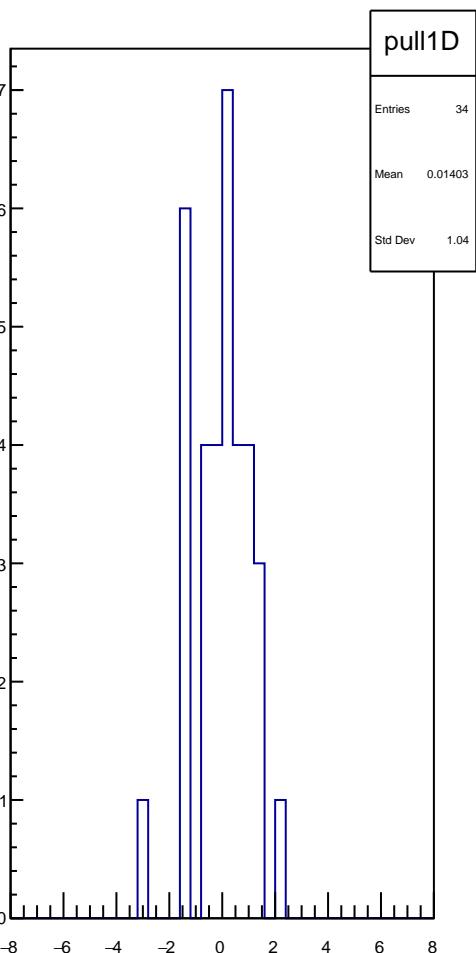
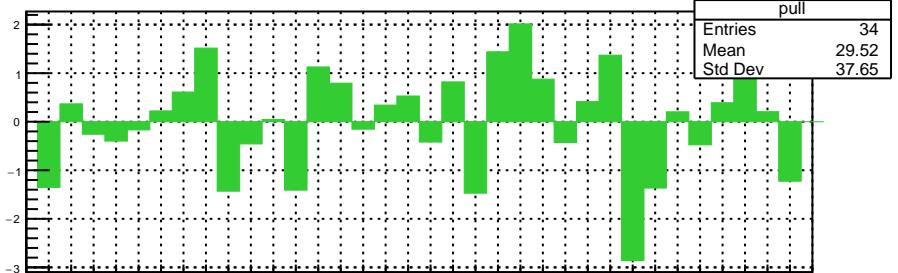
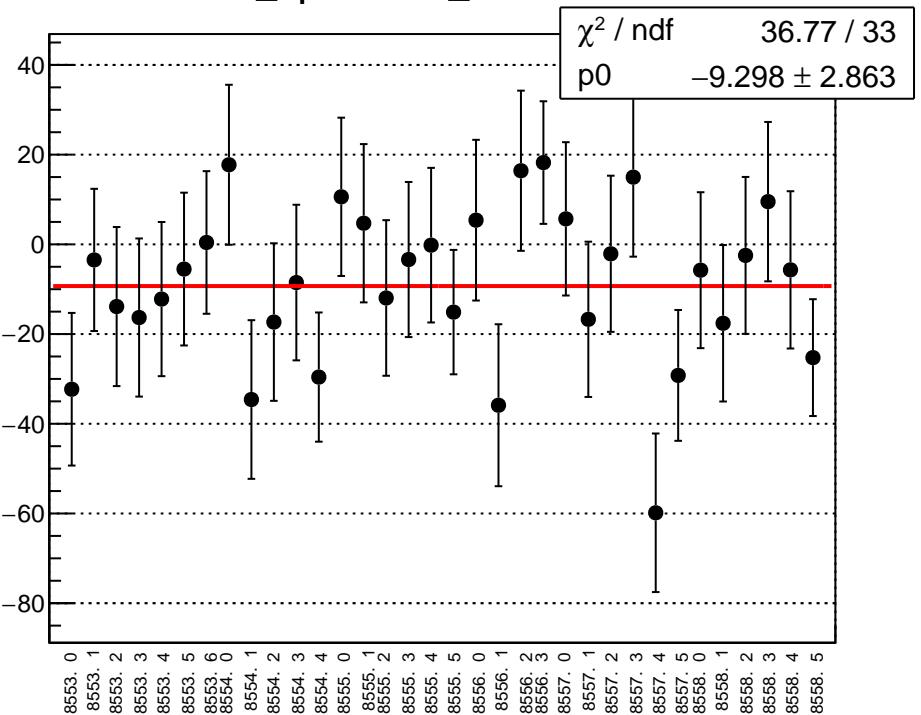
diff_bpm0i01X_mean vs run



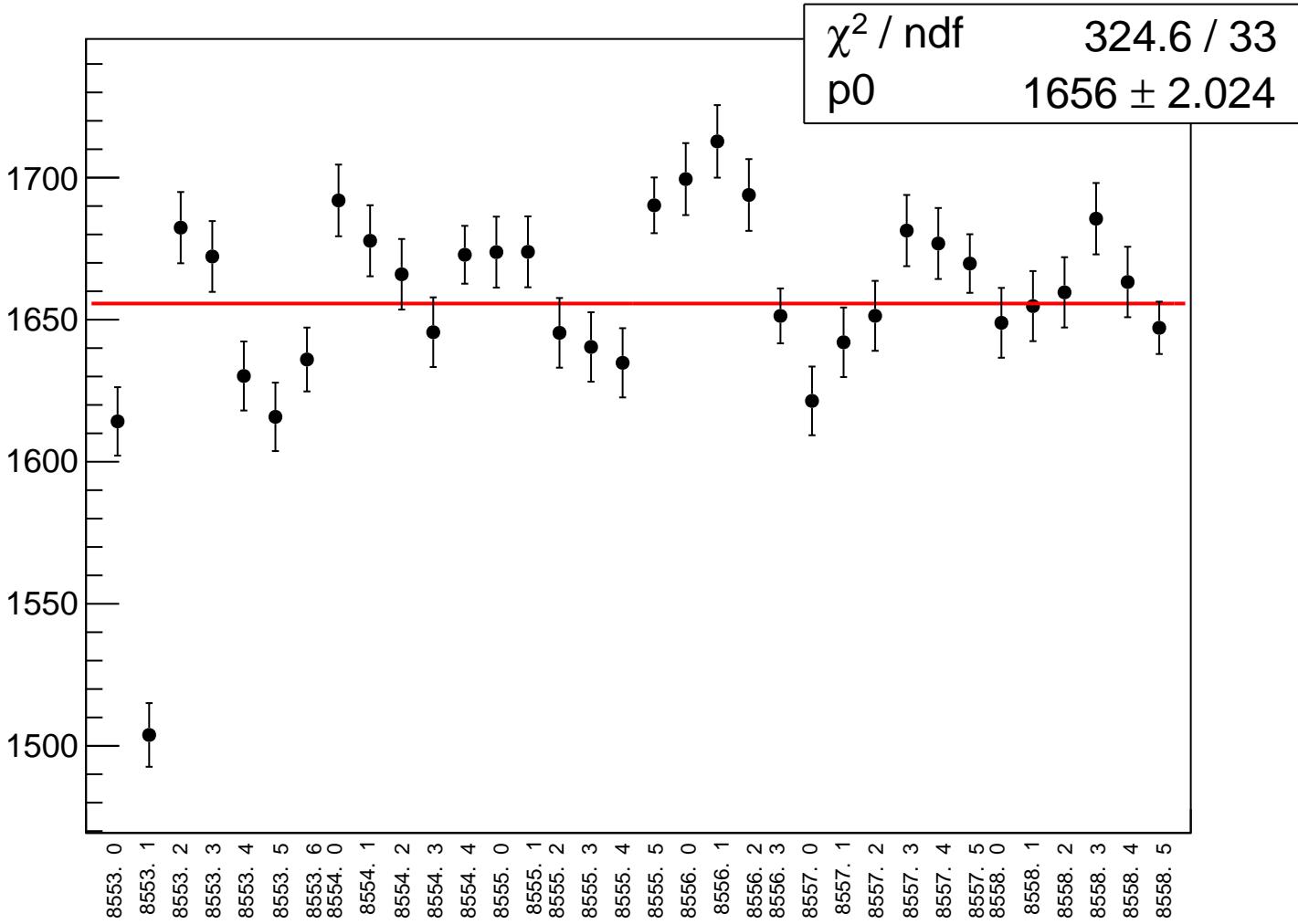
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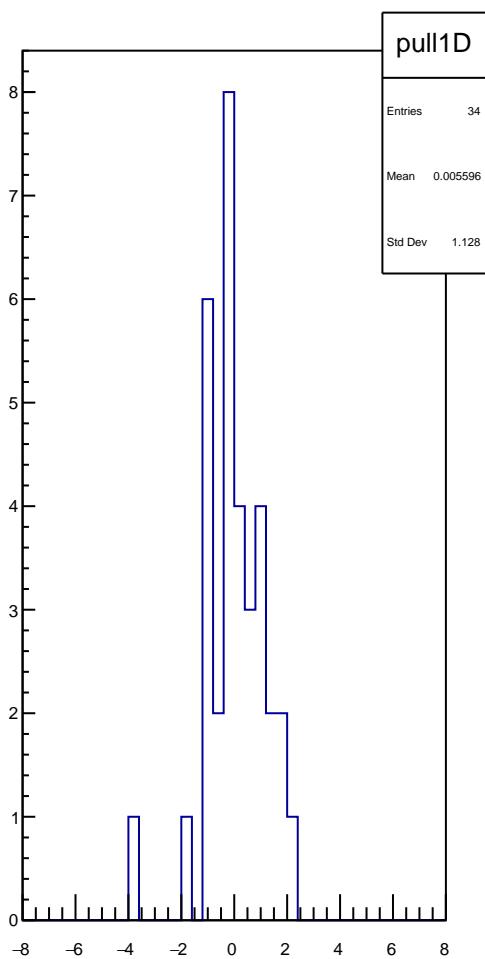
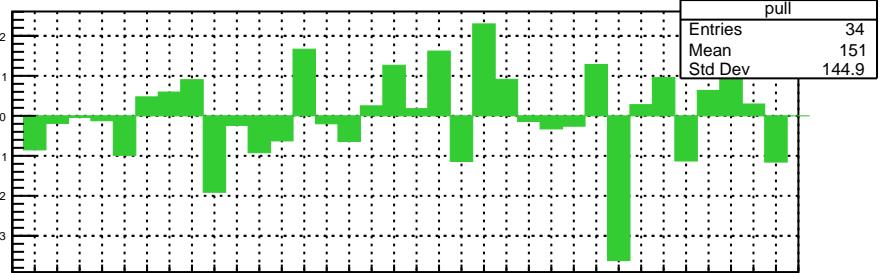
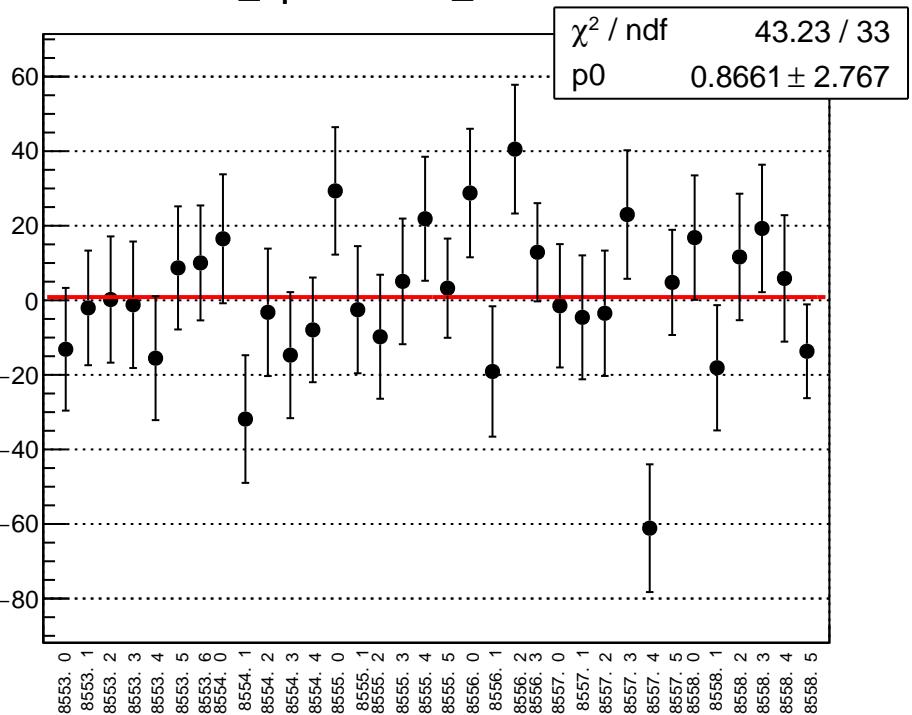
diff_bpm0i01Y_mean vs run



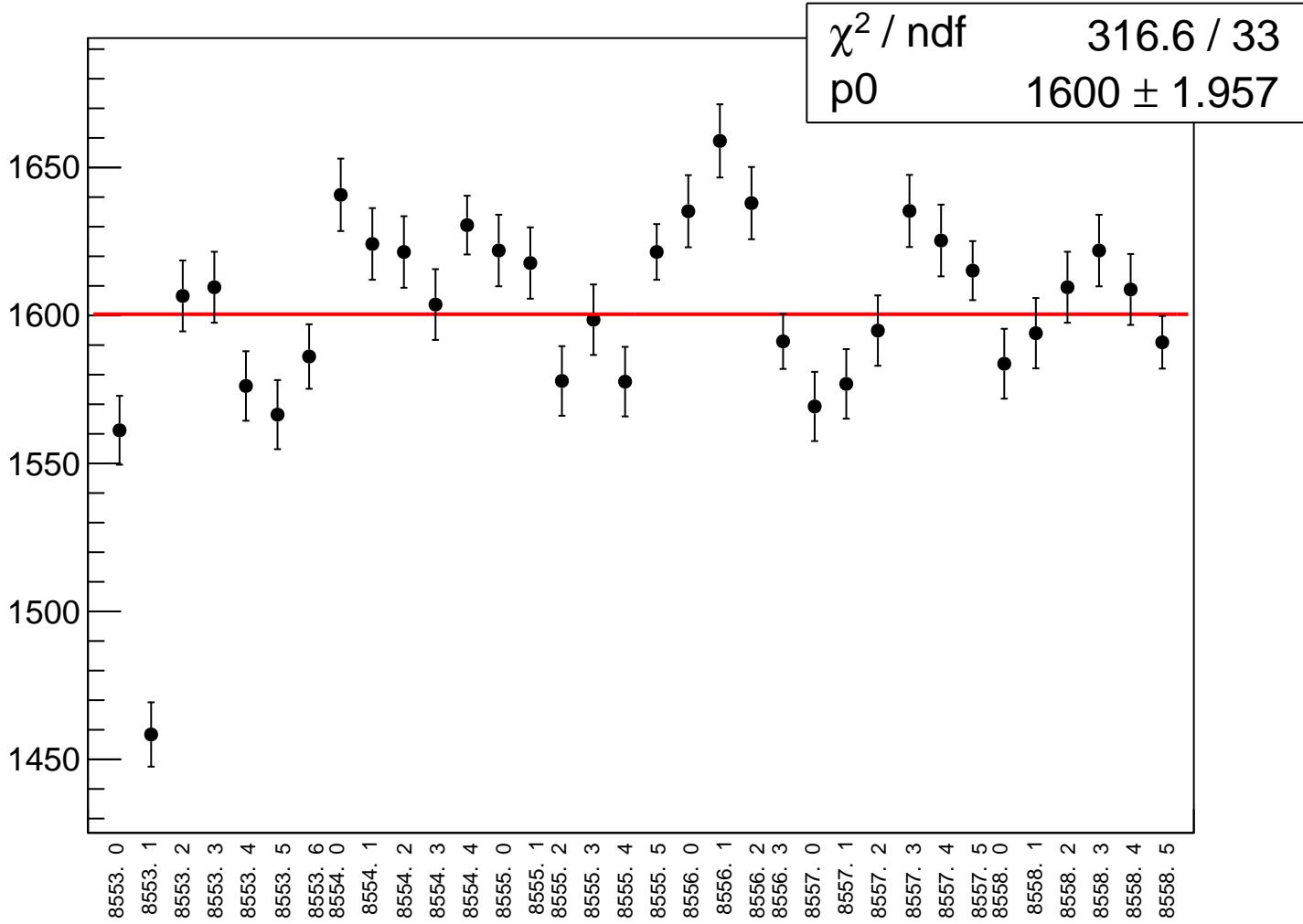
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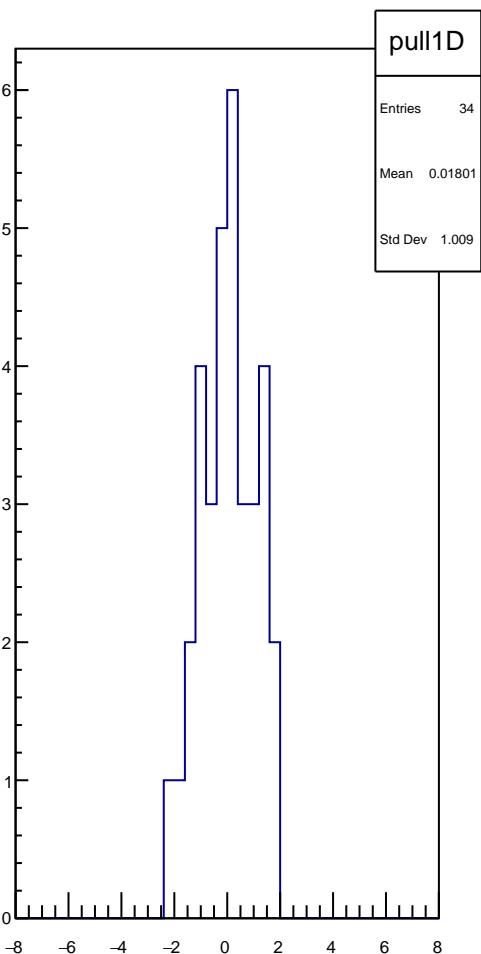
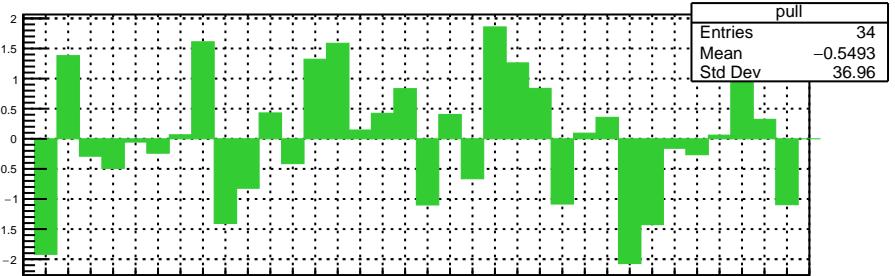
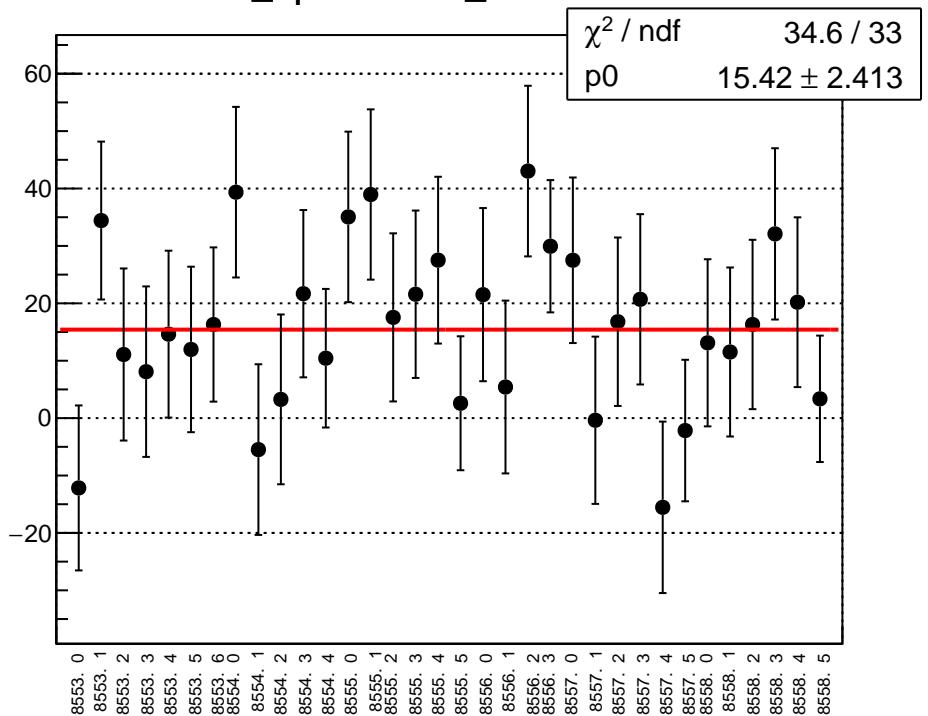
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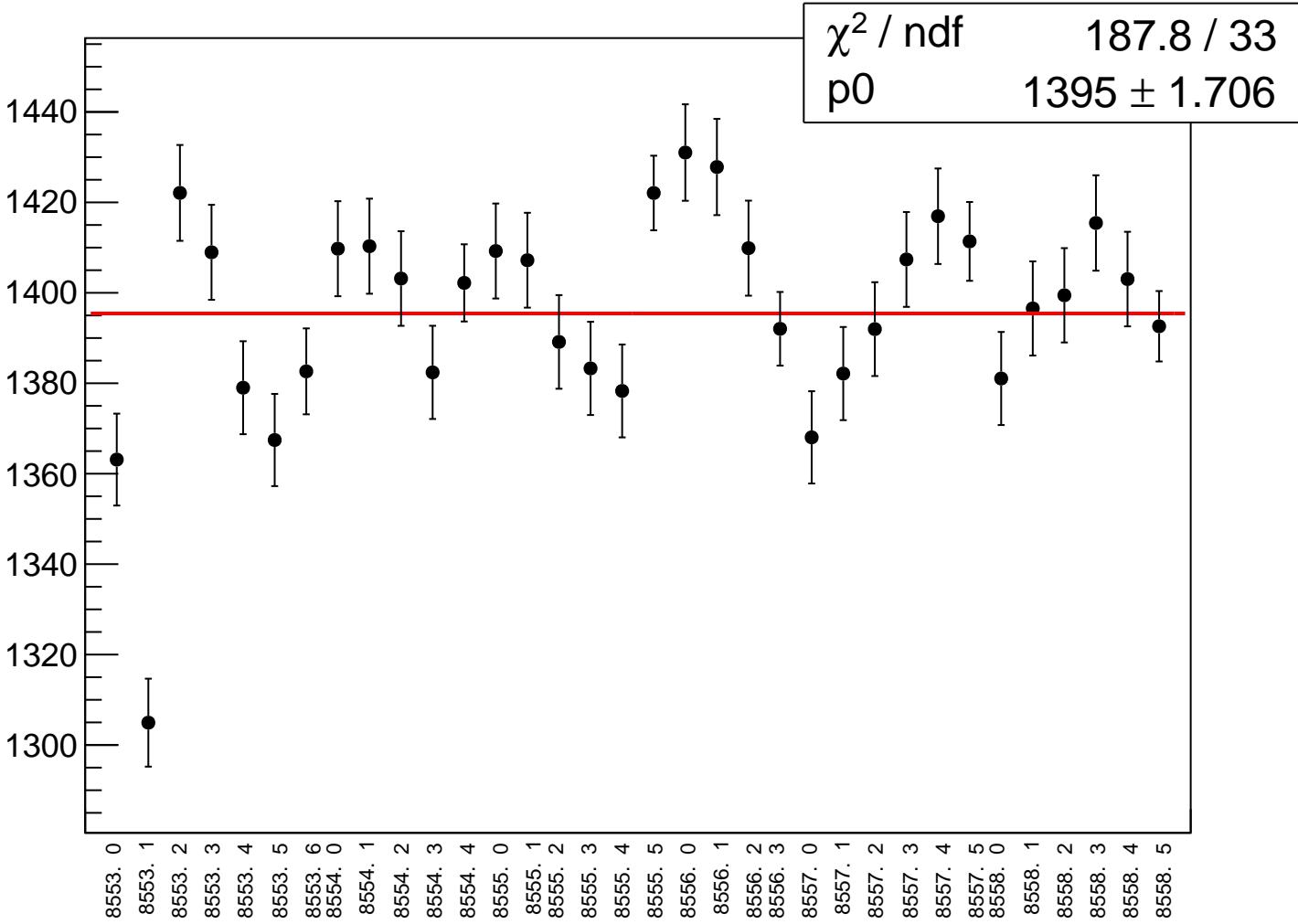
diff_bpm0i01aX_rms vs run



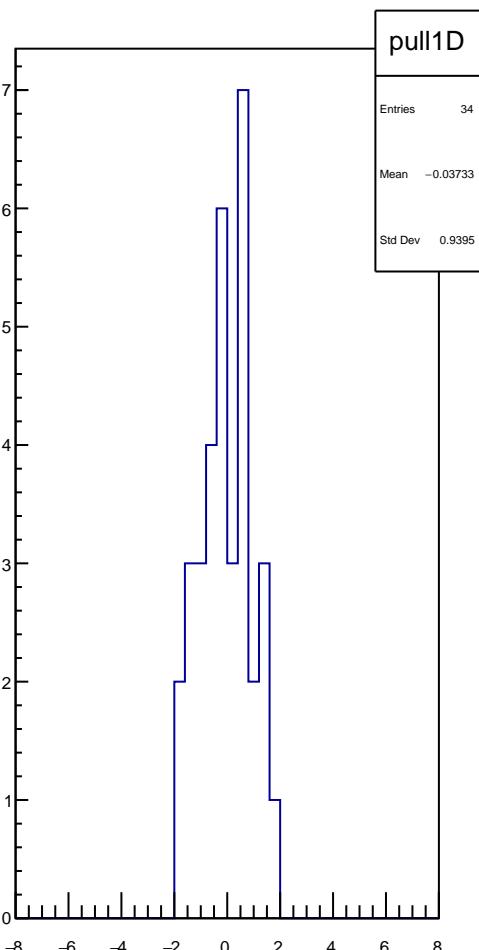
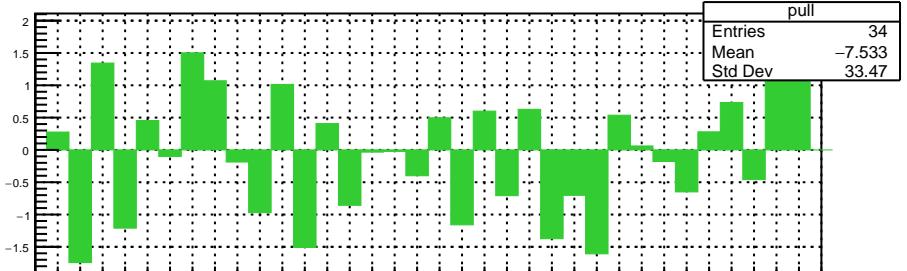
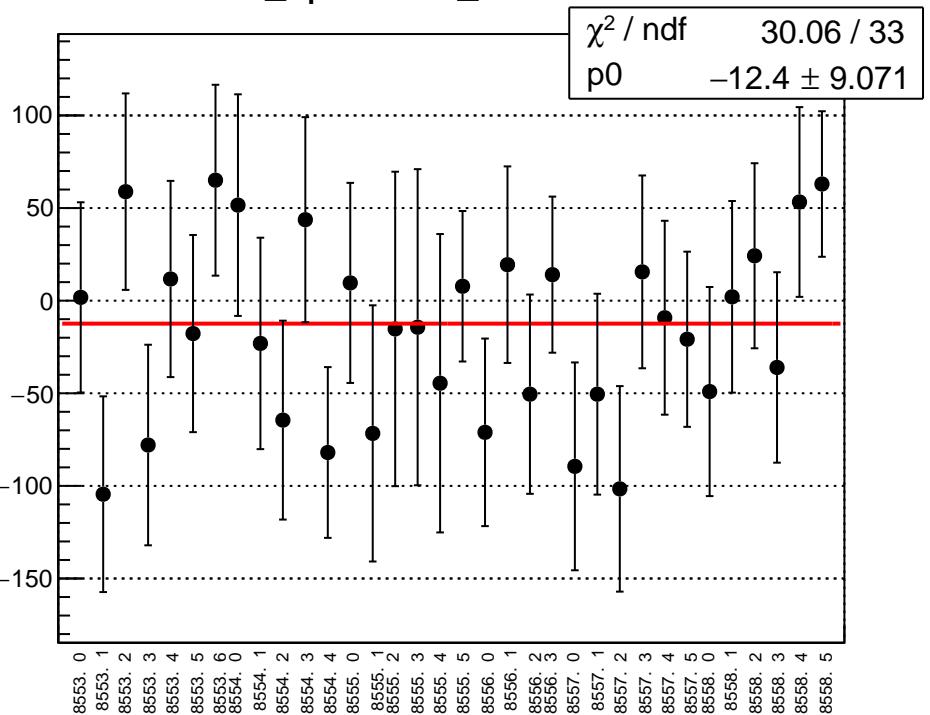
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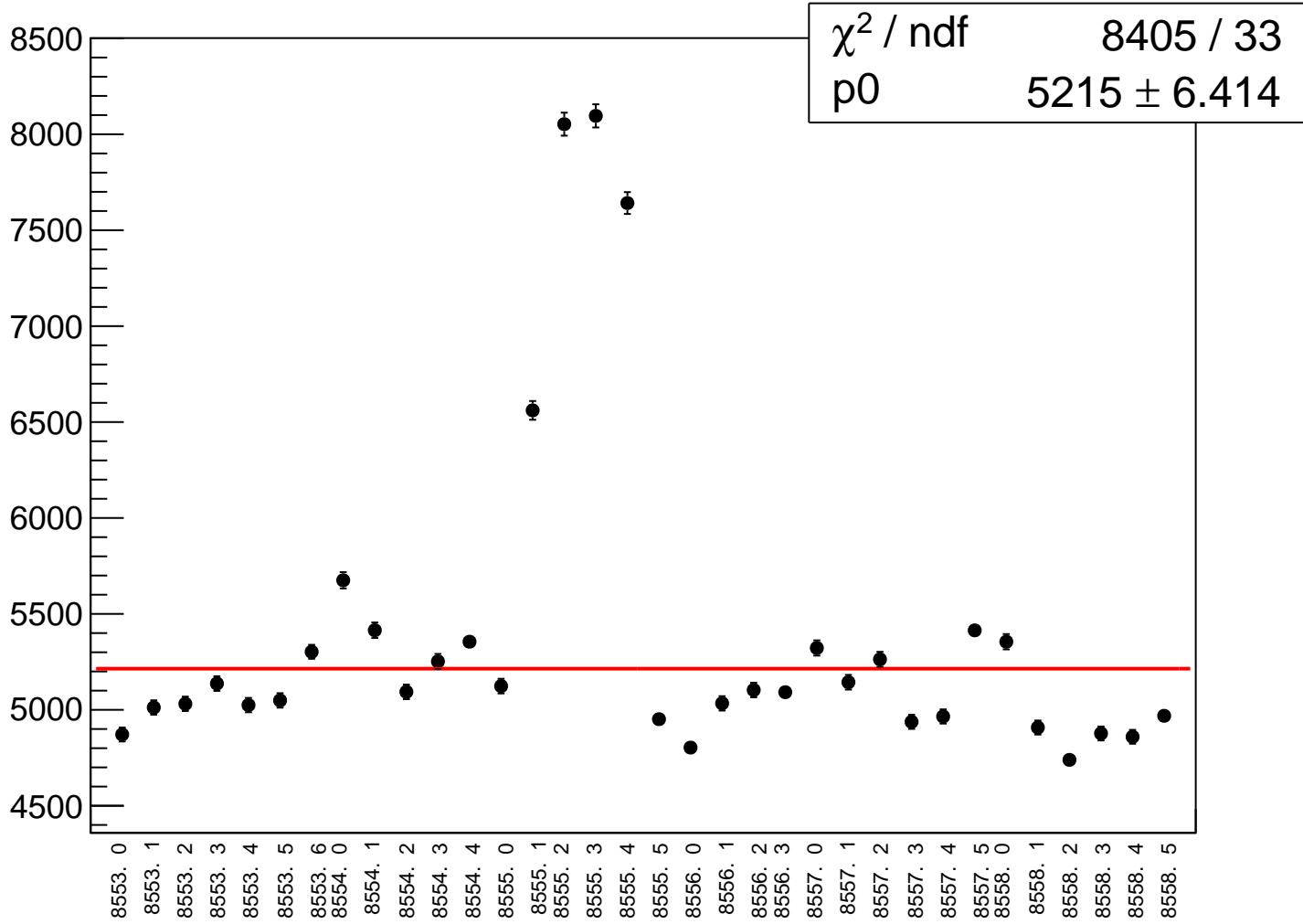
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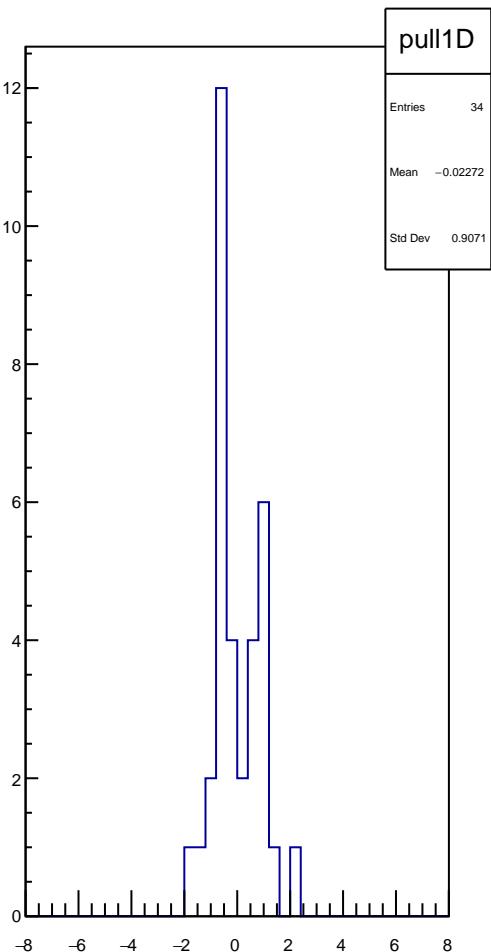
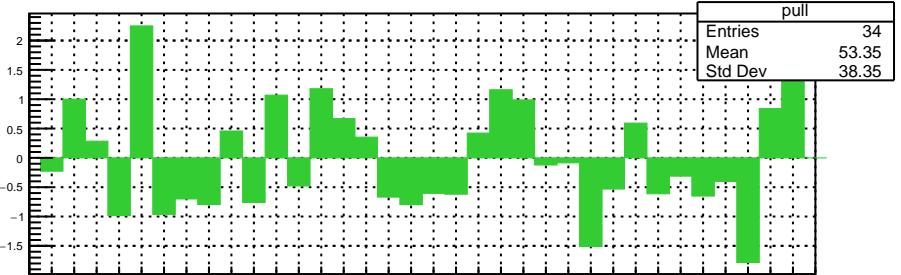
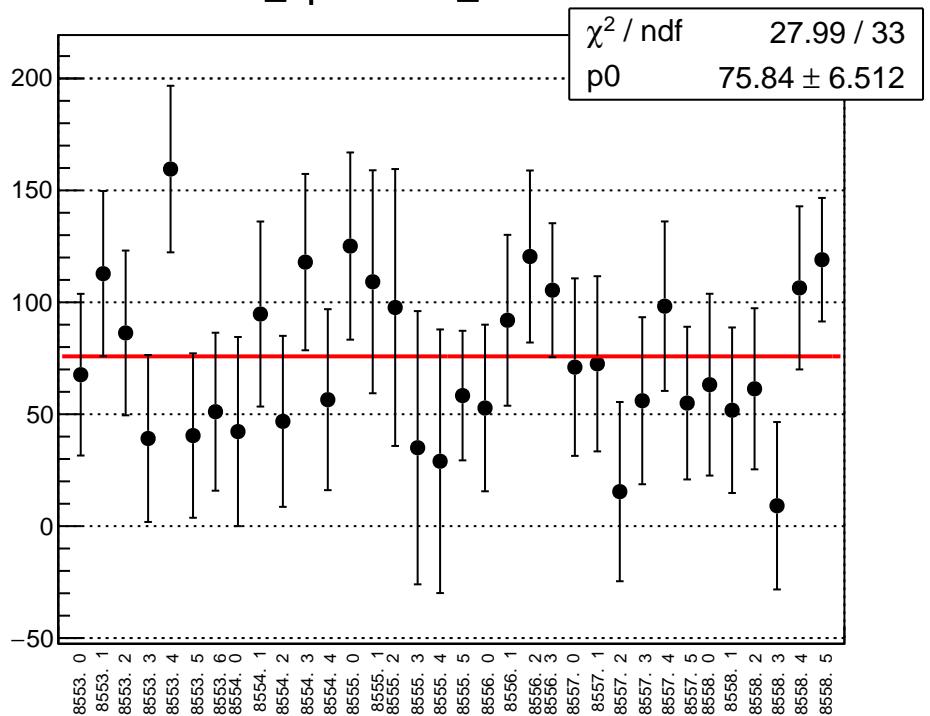
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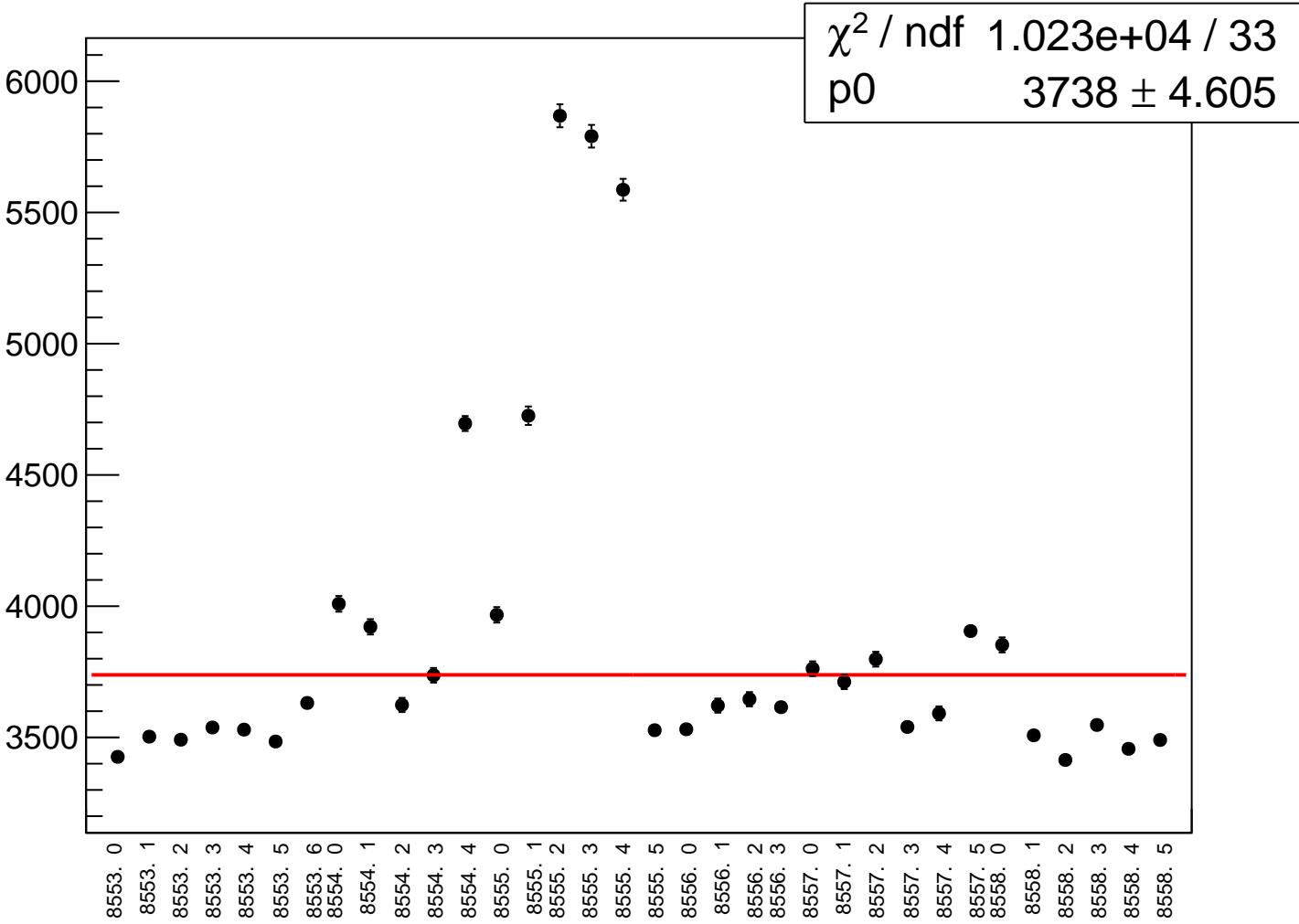
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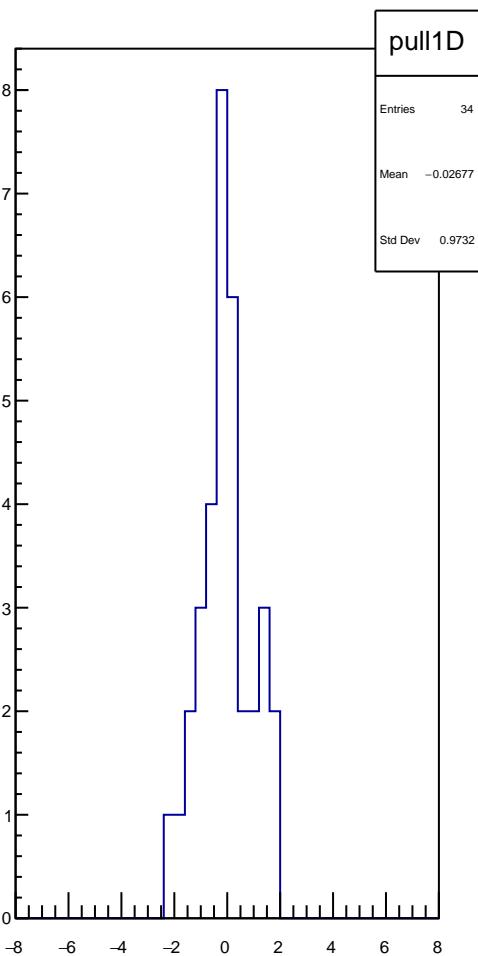
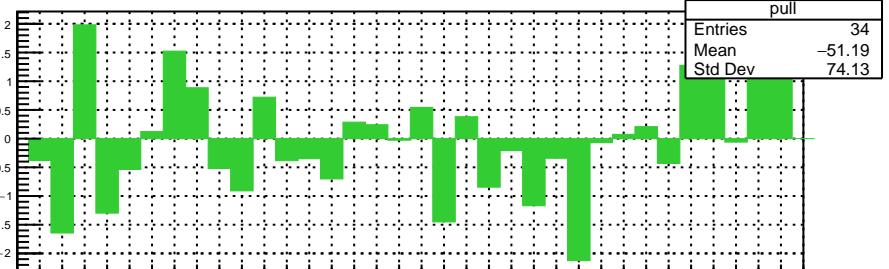
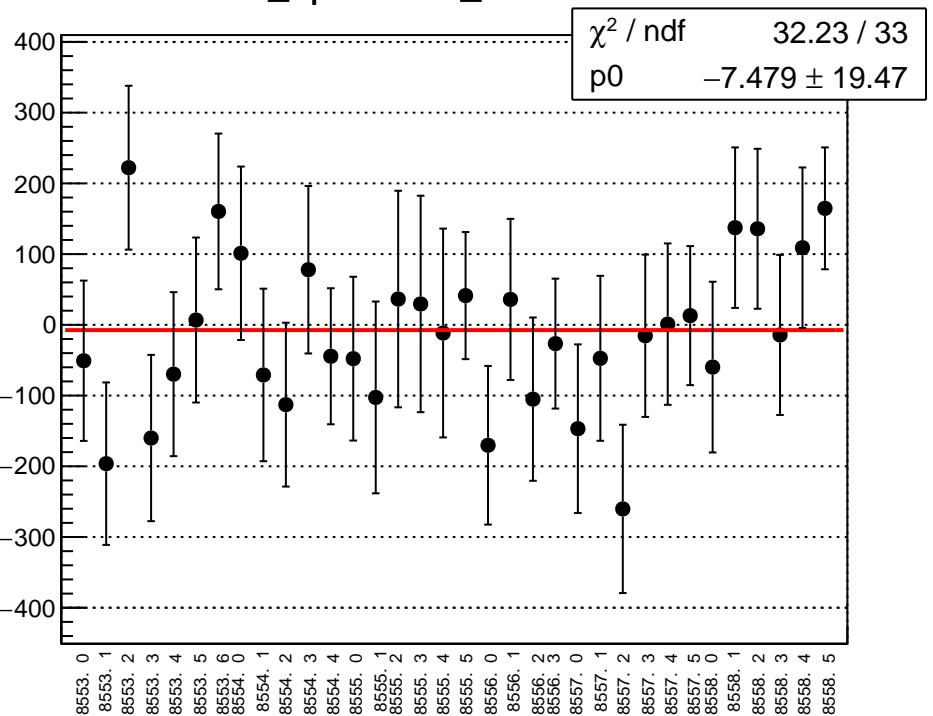
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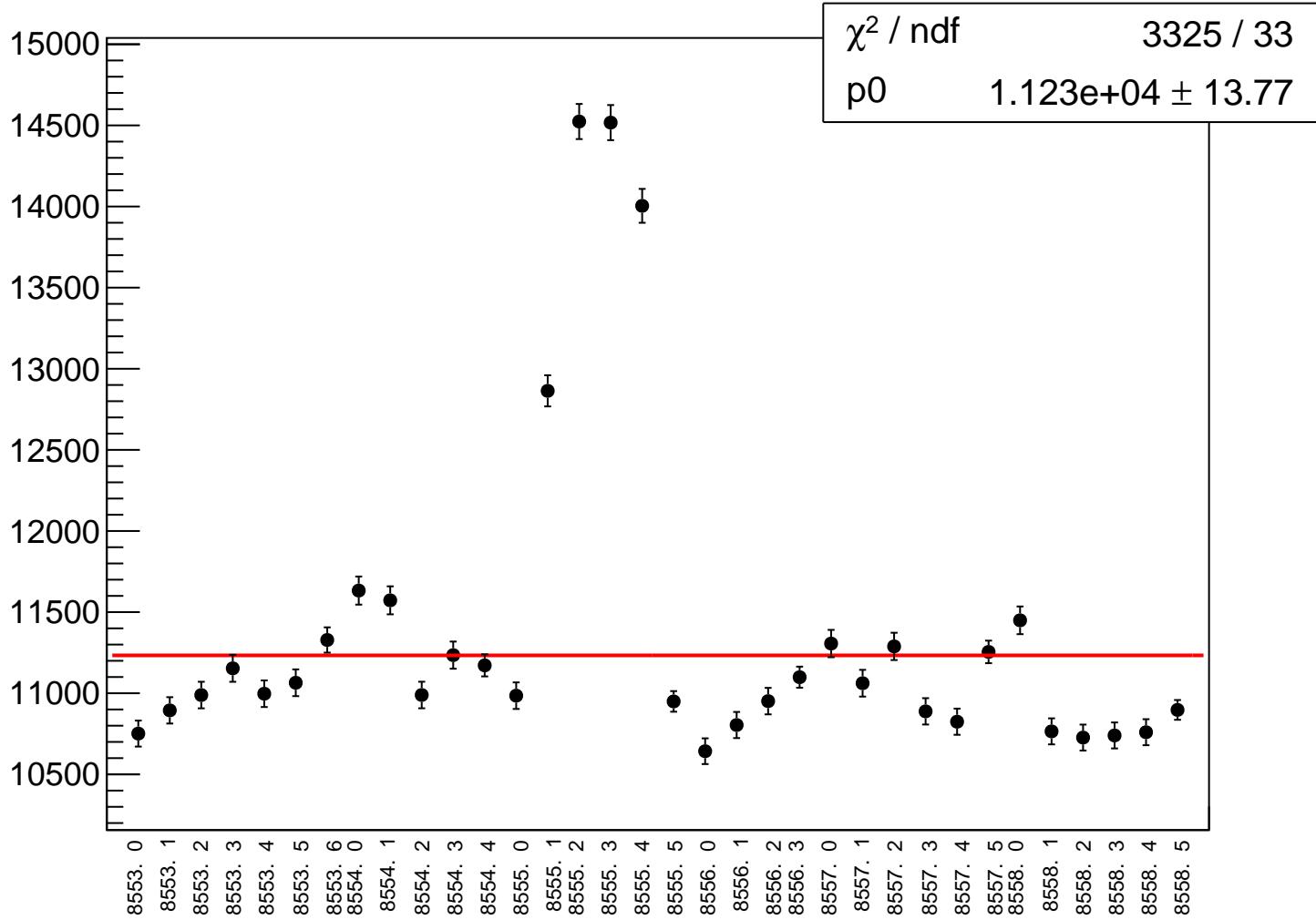
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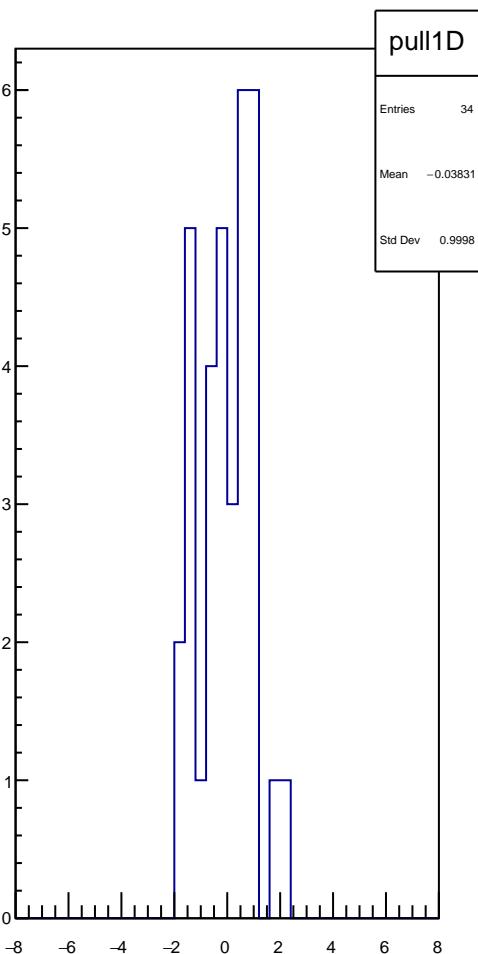
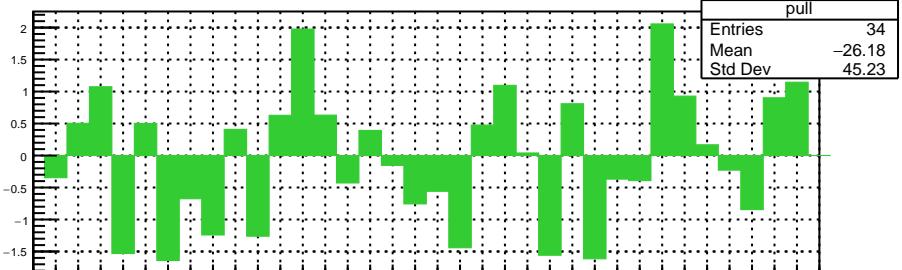
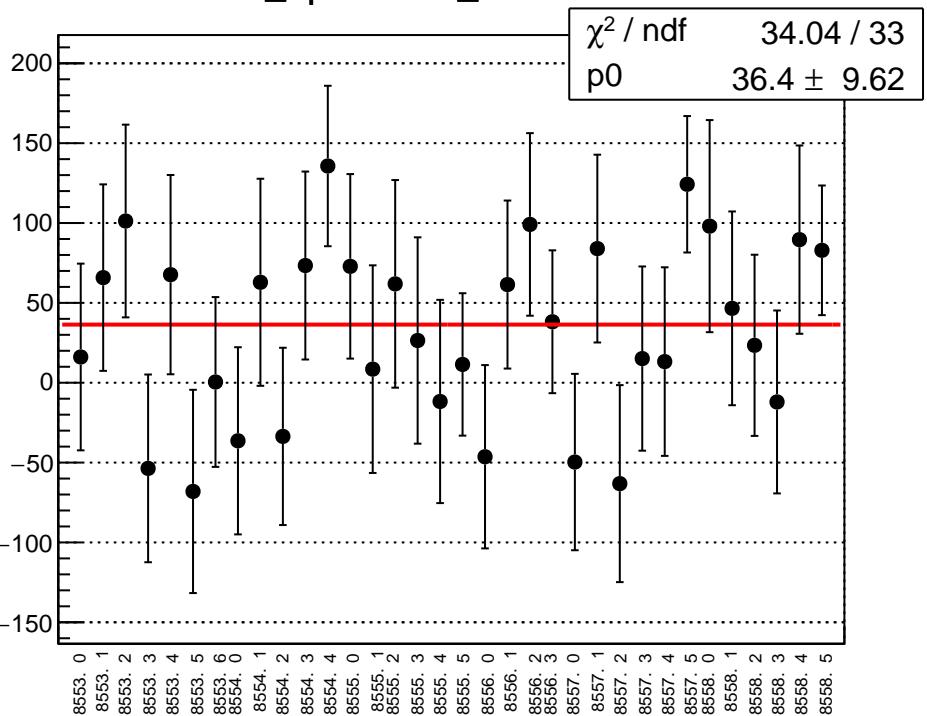
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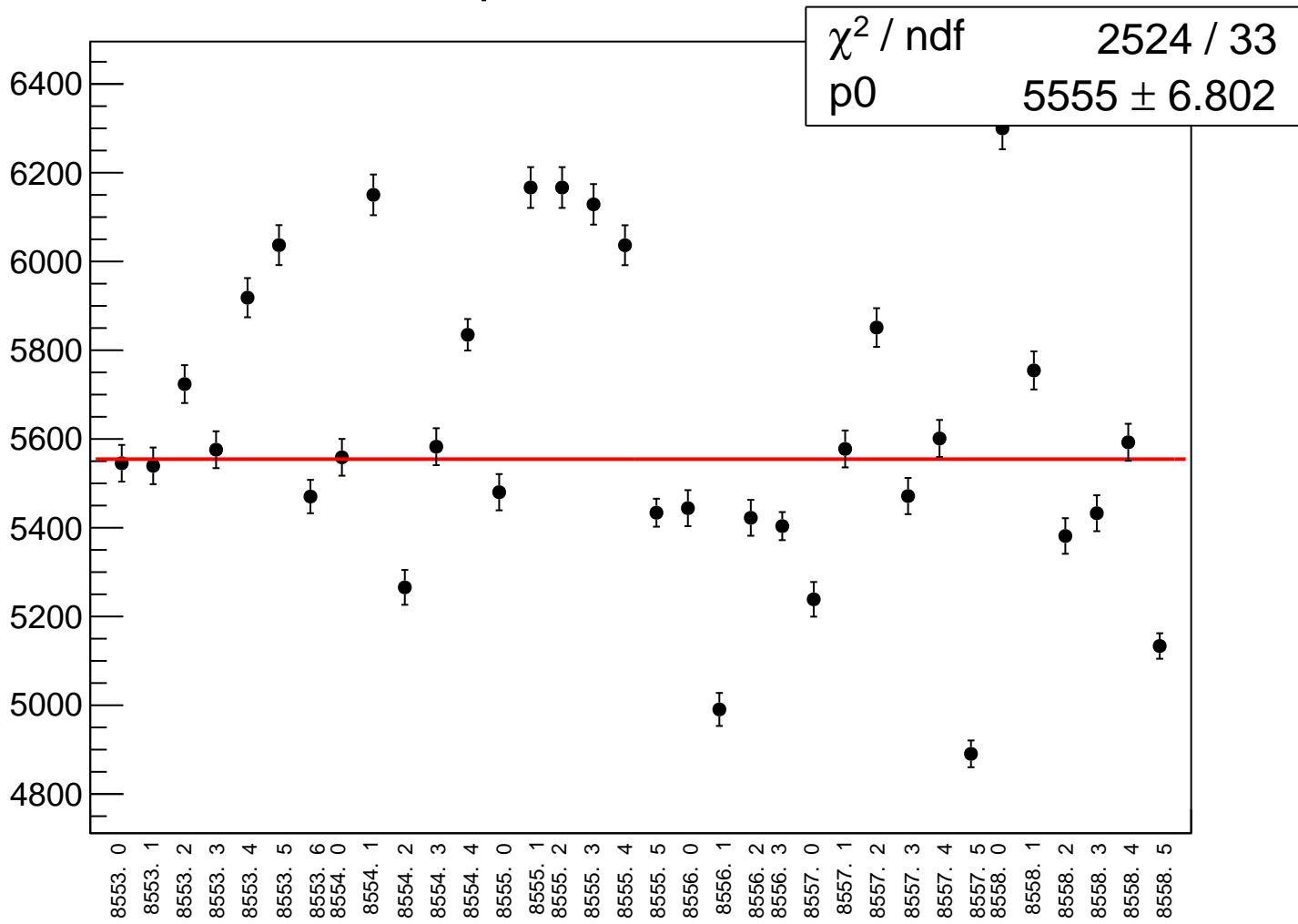
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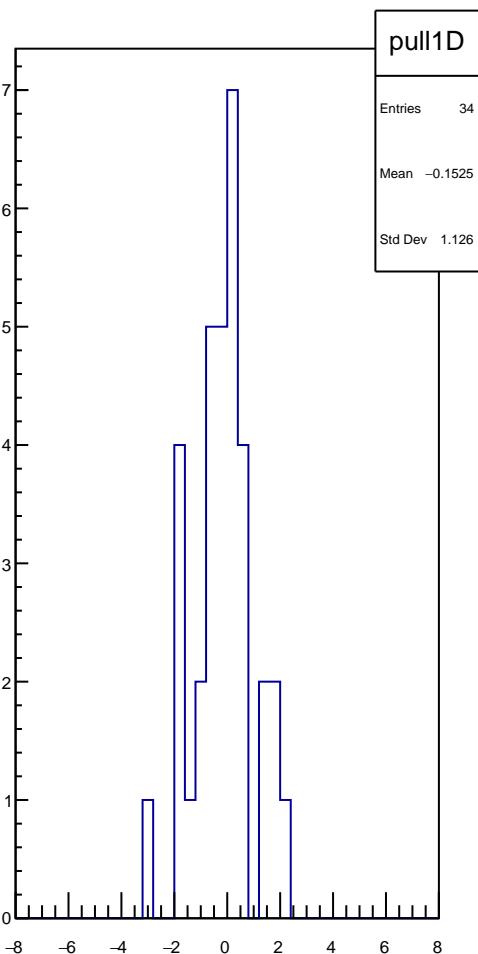
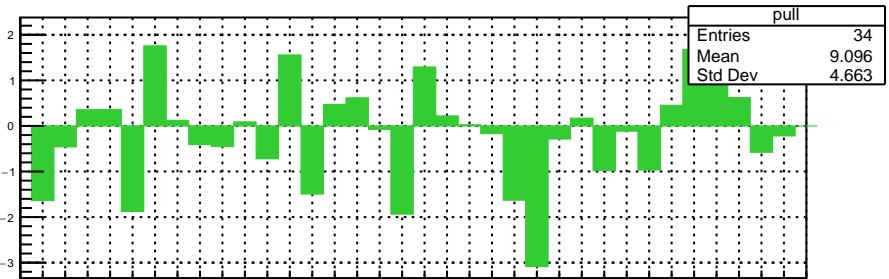
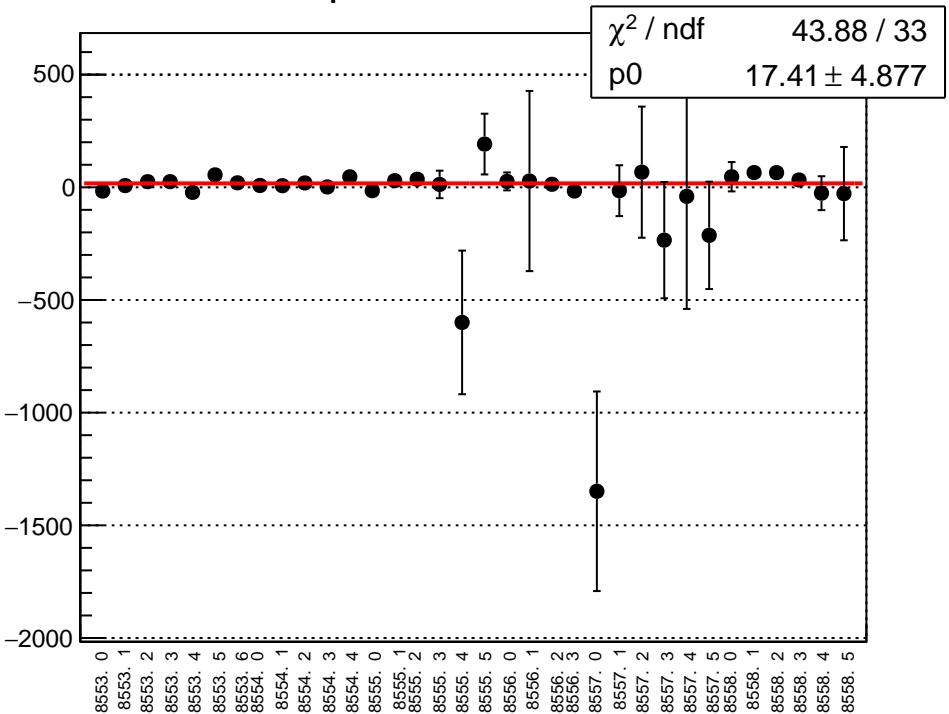
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diff_bpmon02Y_rms vs run

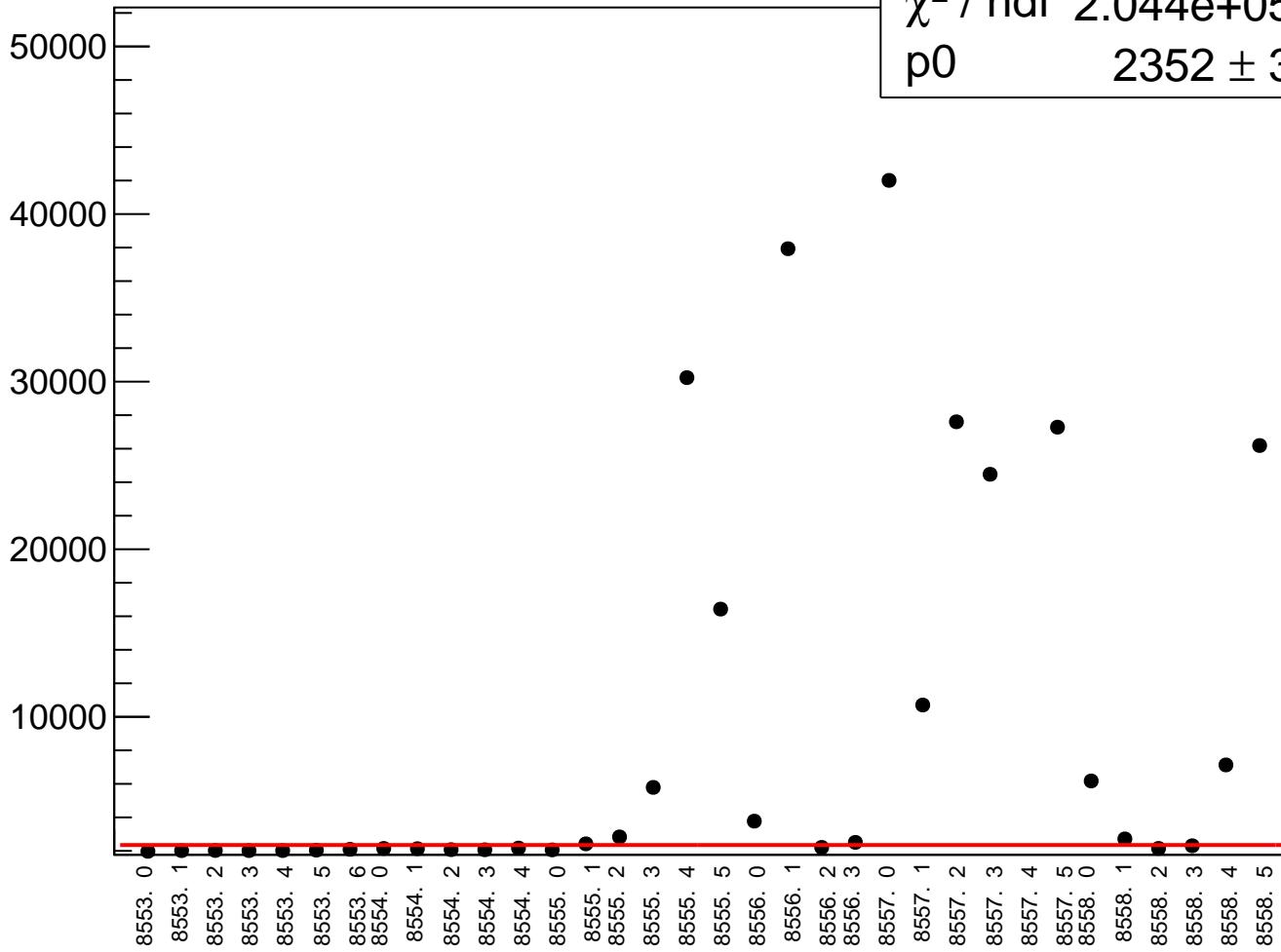


diff_bpm0l03X_mean vs run

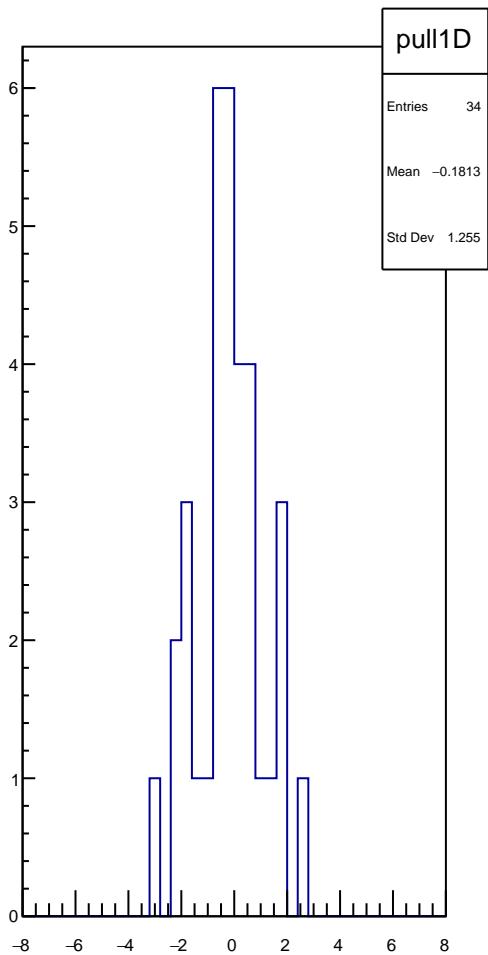
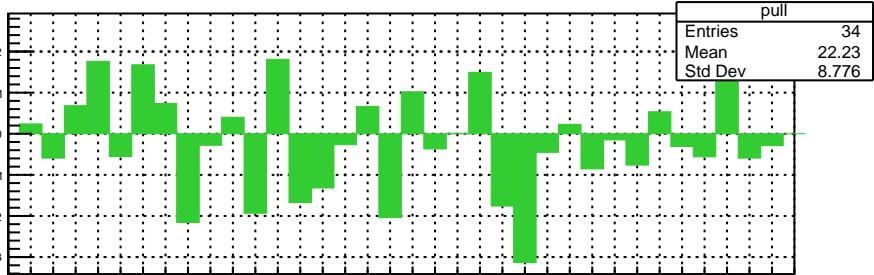
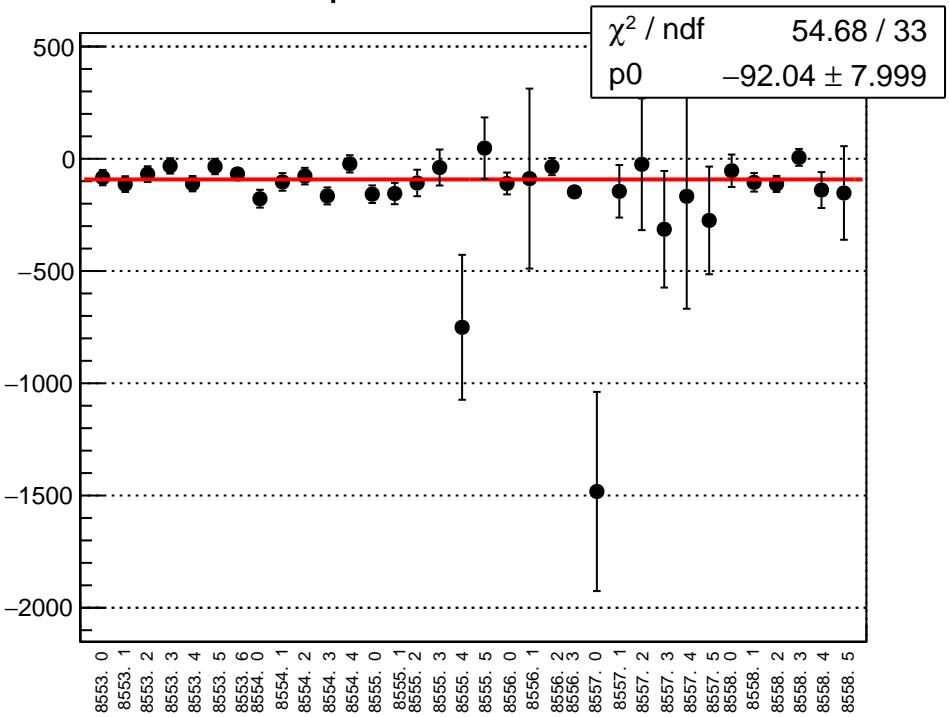


diff_bpm0I03X_rms vs run

χ^2 / ndf $2.044\text{e+}05 / 33$
p0 2352 ± 3.449

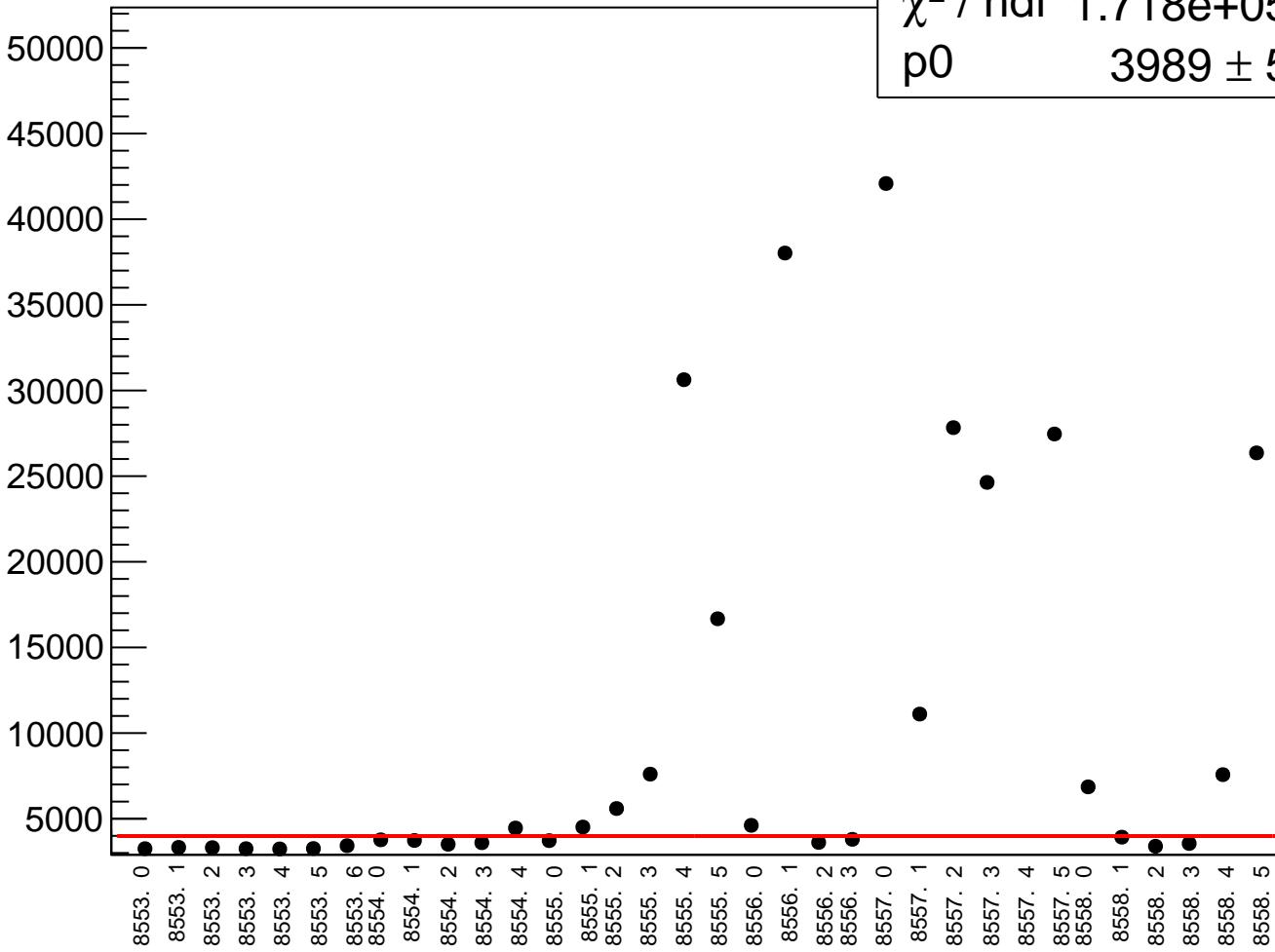


diff_bpm0l03Y_mean vs run

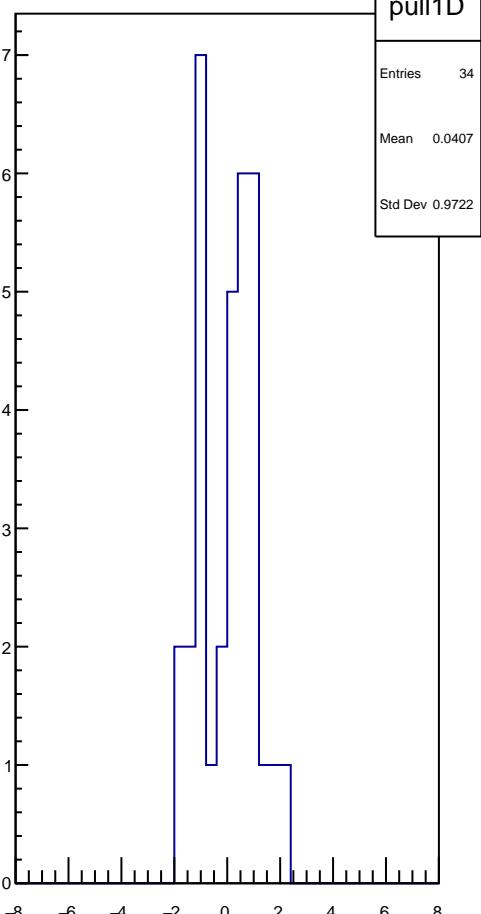
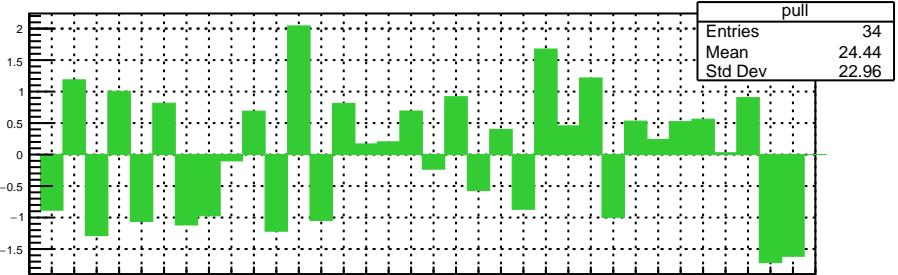
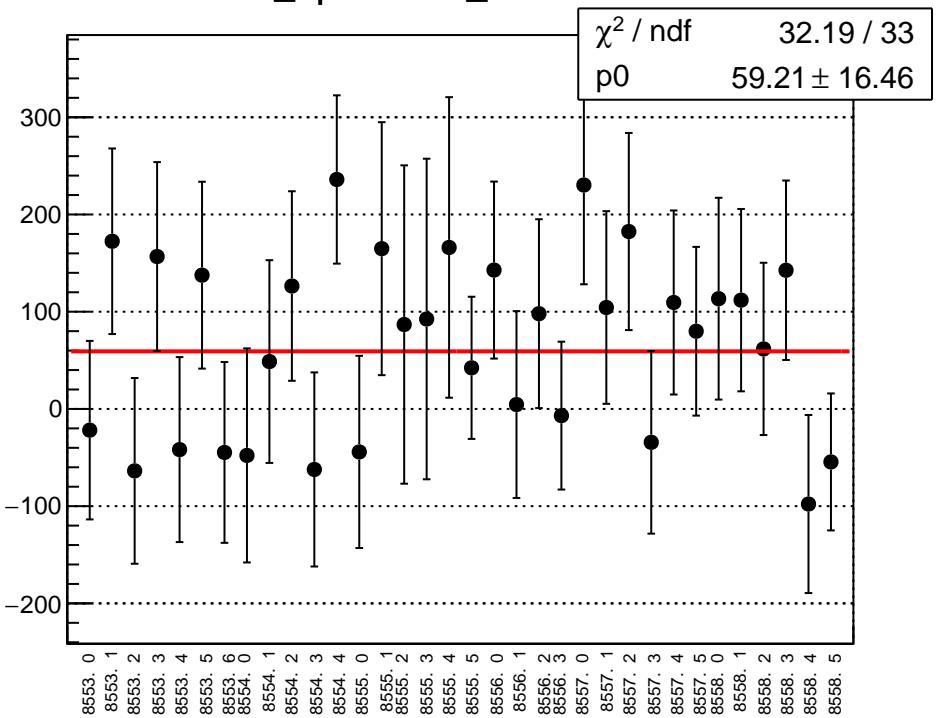


diff_bpm0I03Y_rms vs run

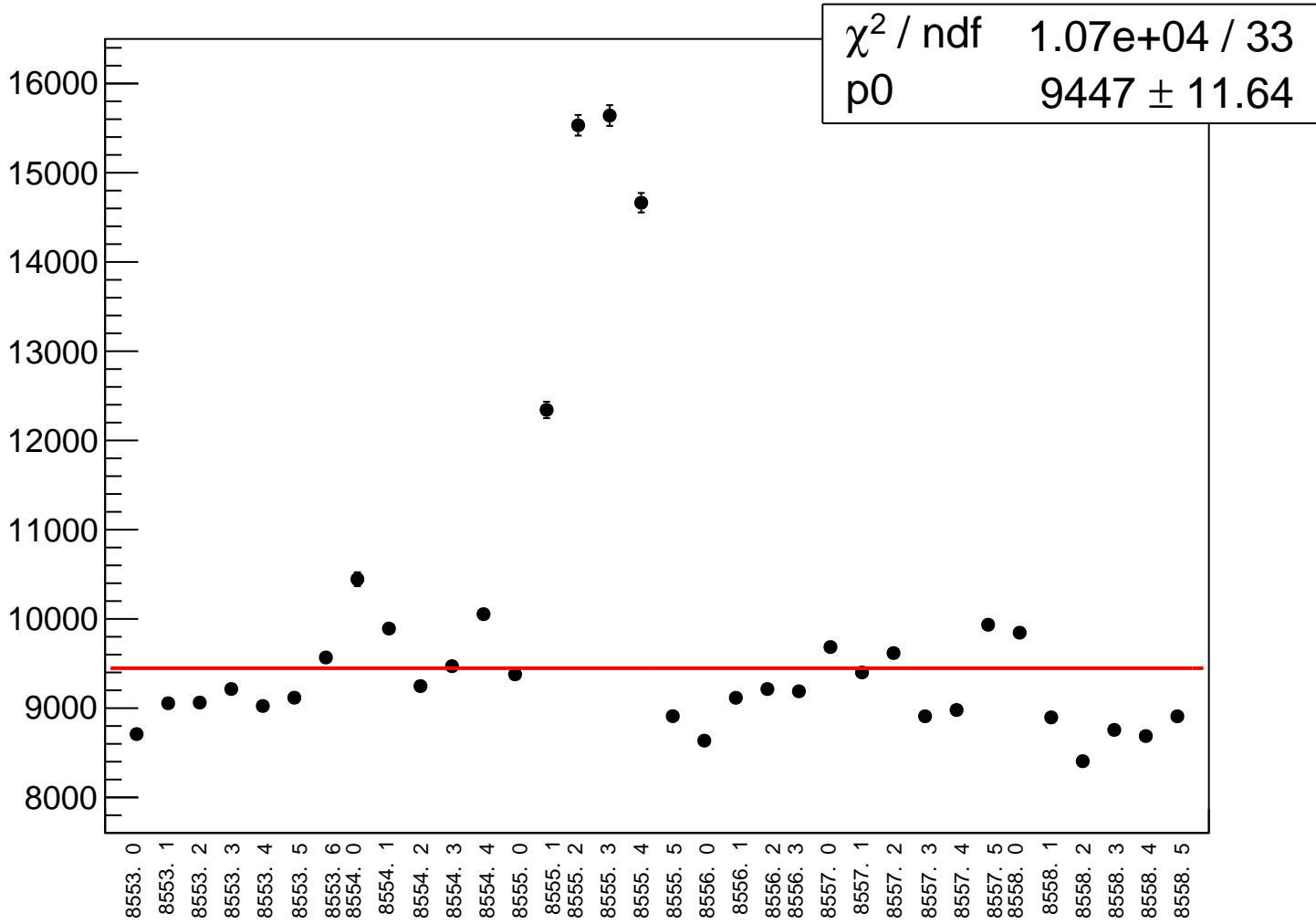
χ^2 / ndf $1.718\text{e+}05 / 33$
p0 3989 ± 5.656



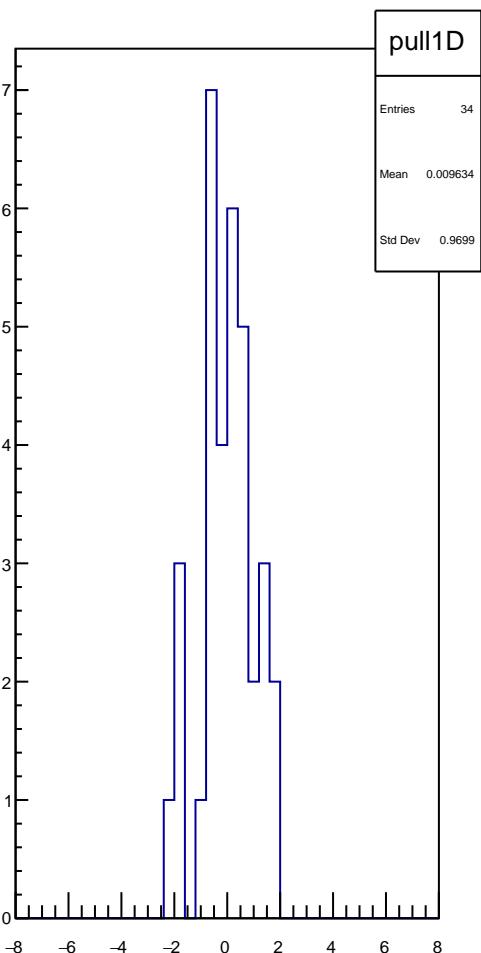
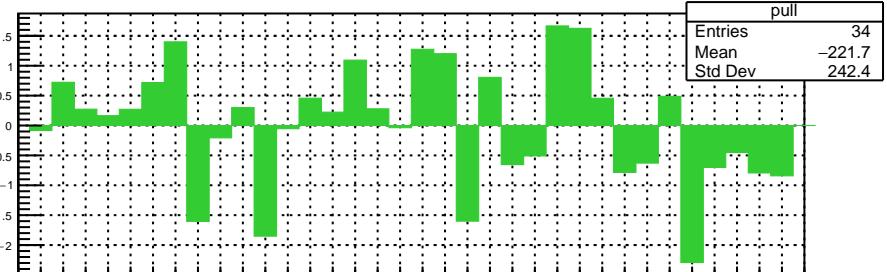
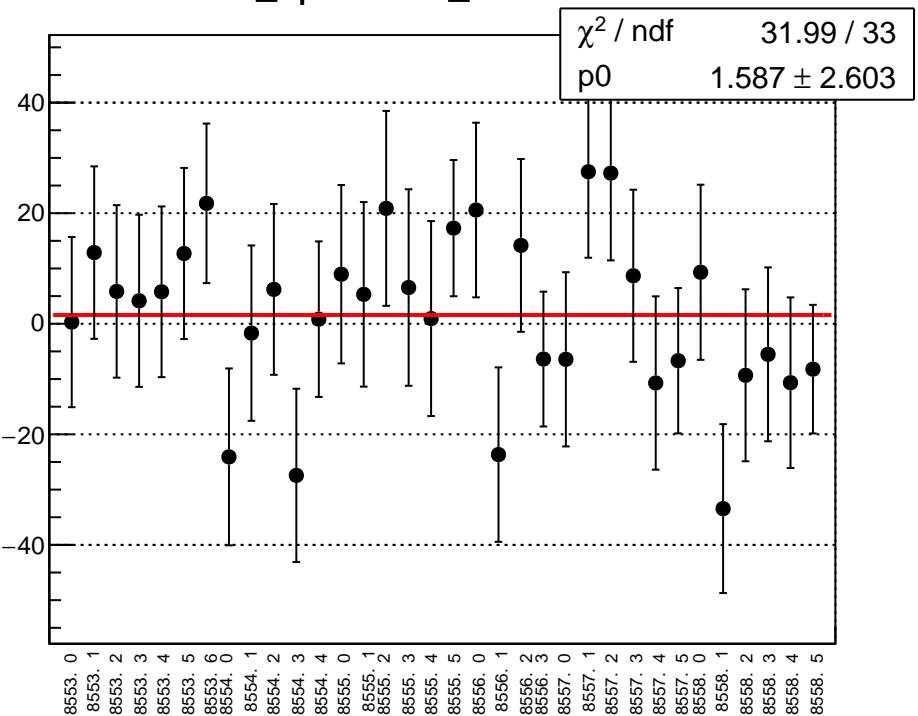
diff_bpm0l04X_mean vs run



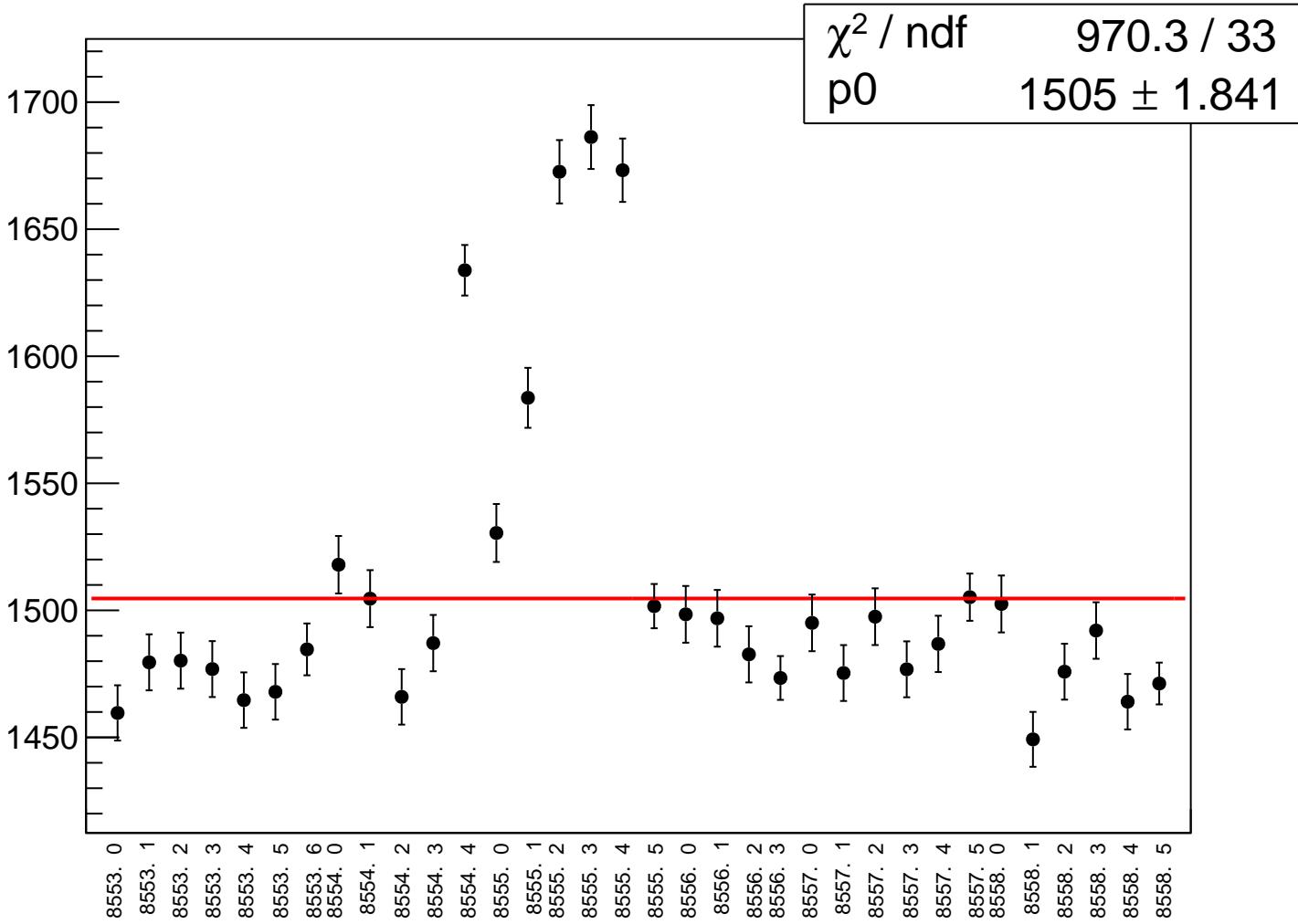
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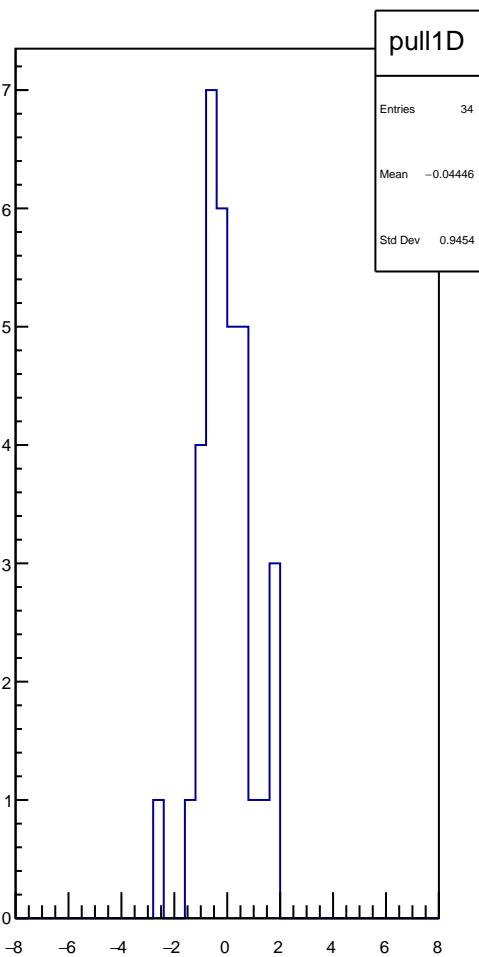
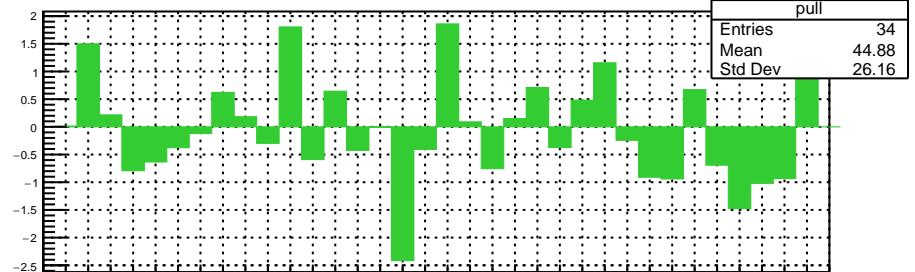
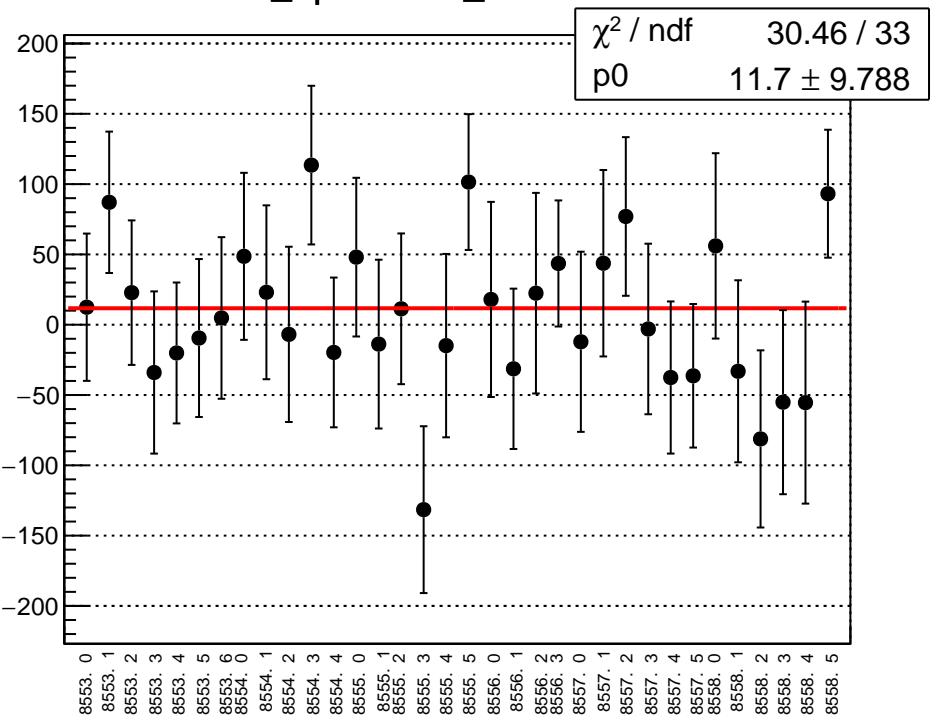
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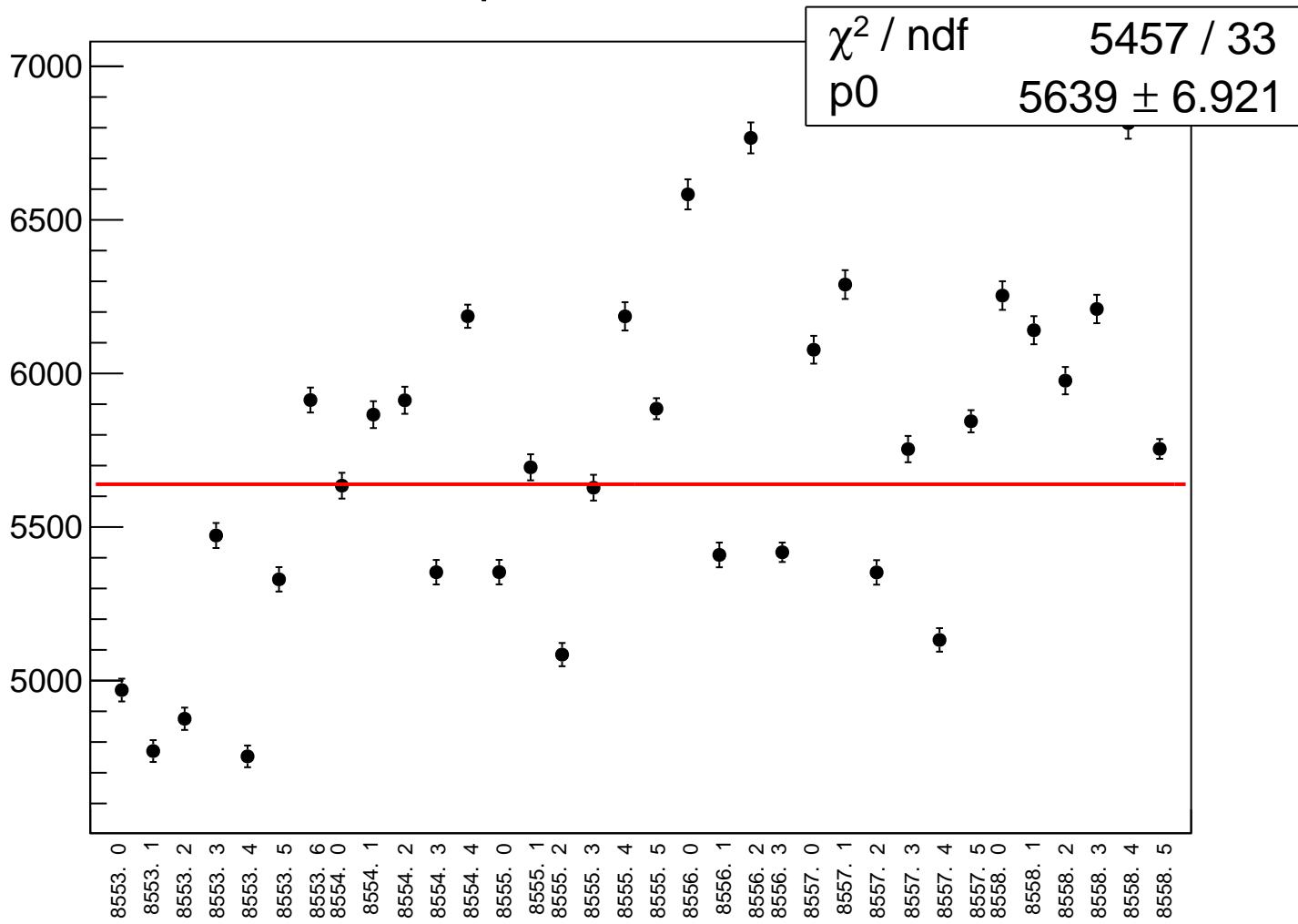
diff_bpm0I04Y_rms vs run



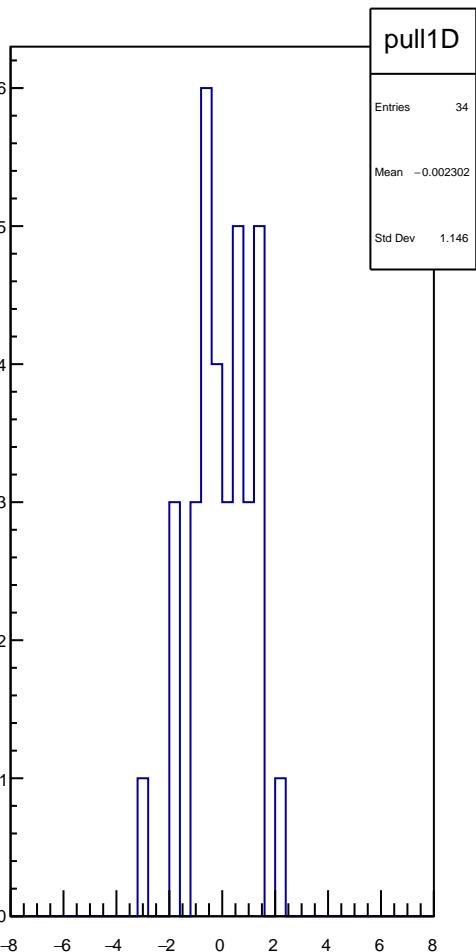
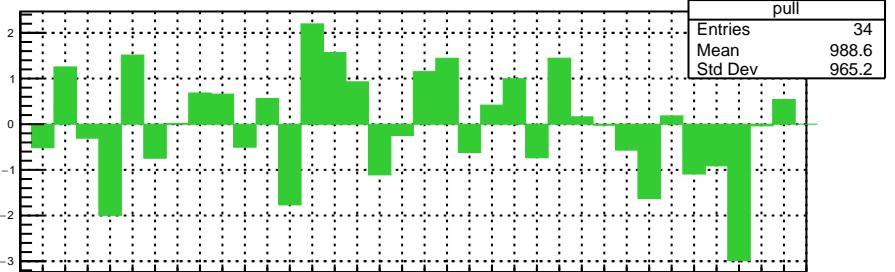
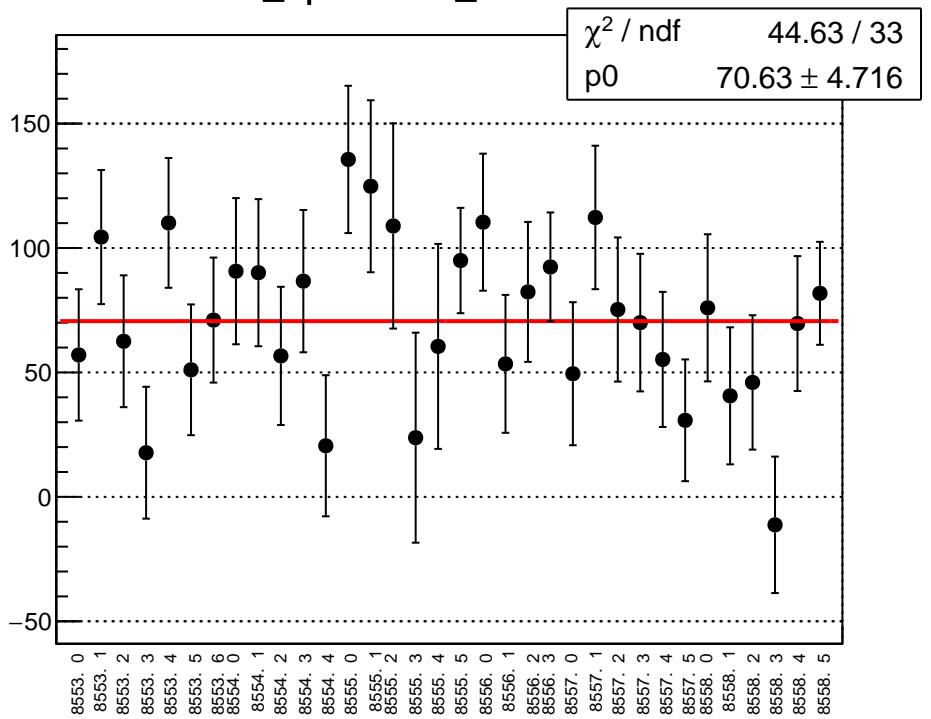
diff_bpm0l05X_mean vs run



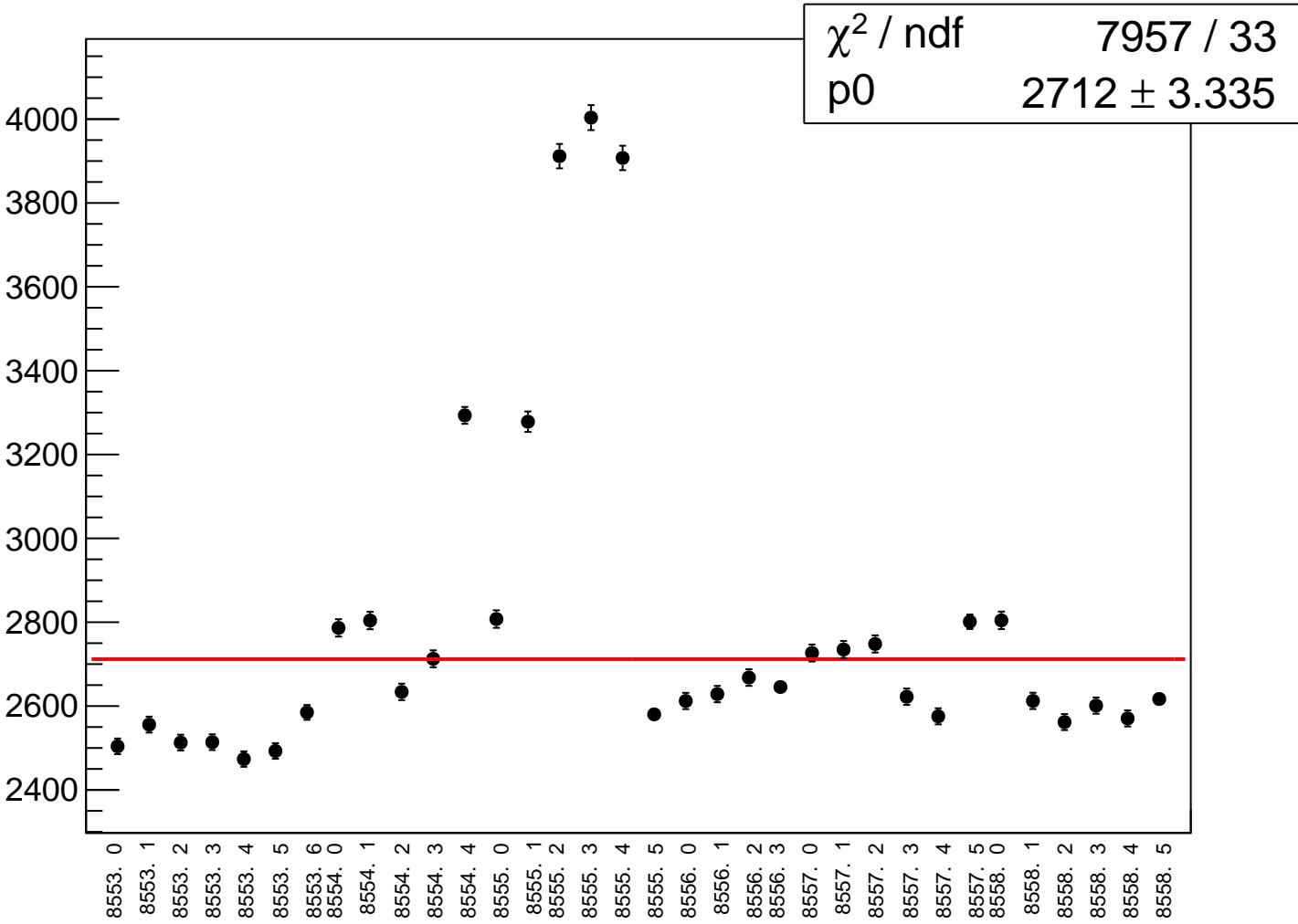
diff_bpm0I05X_rms vs run



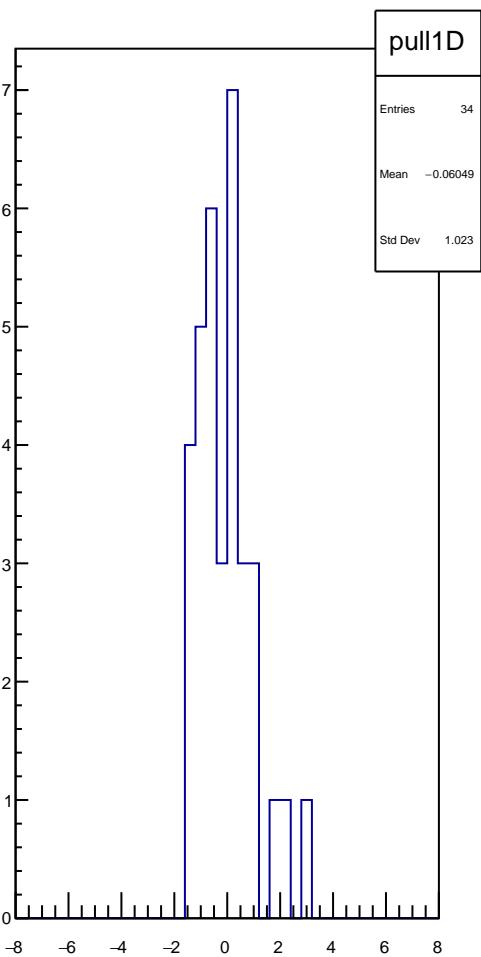
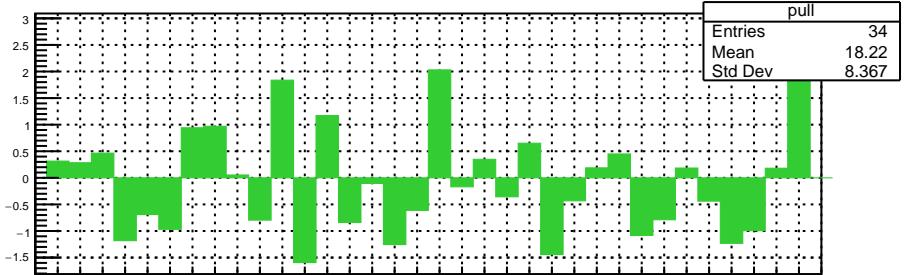
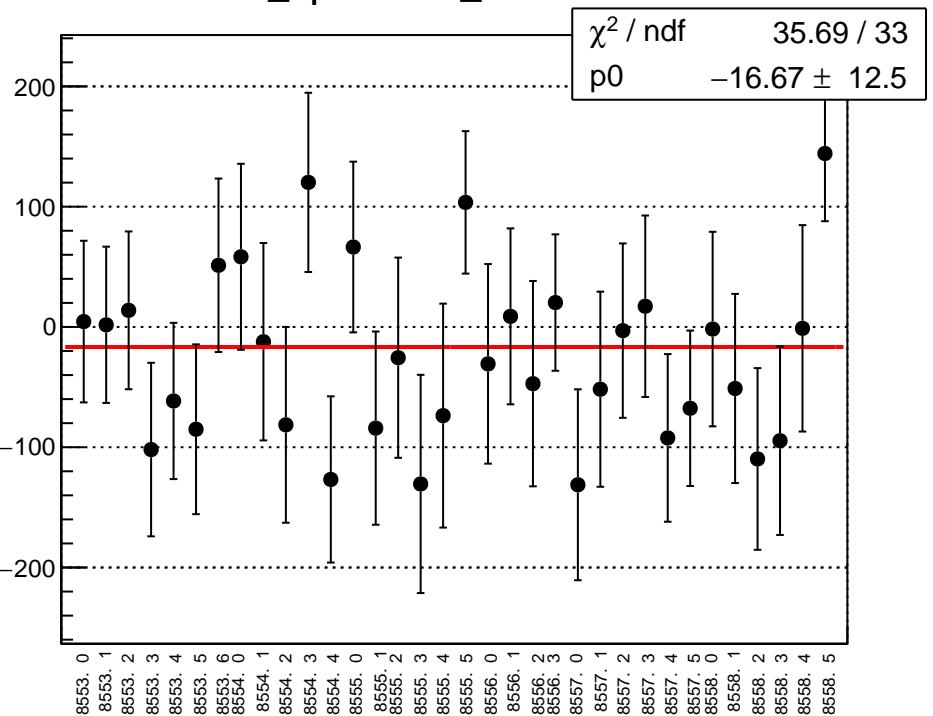
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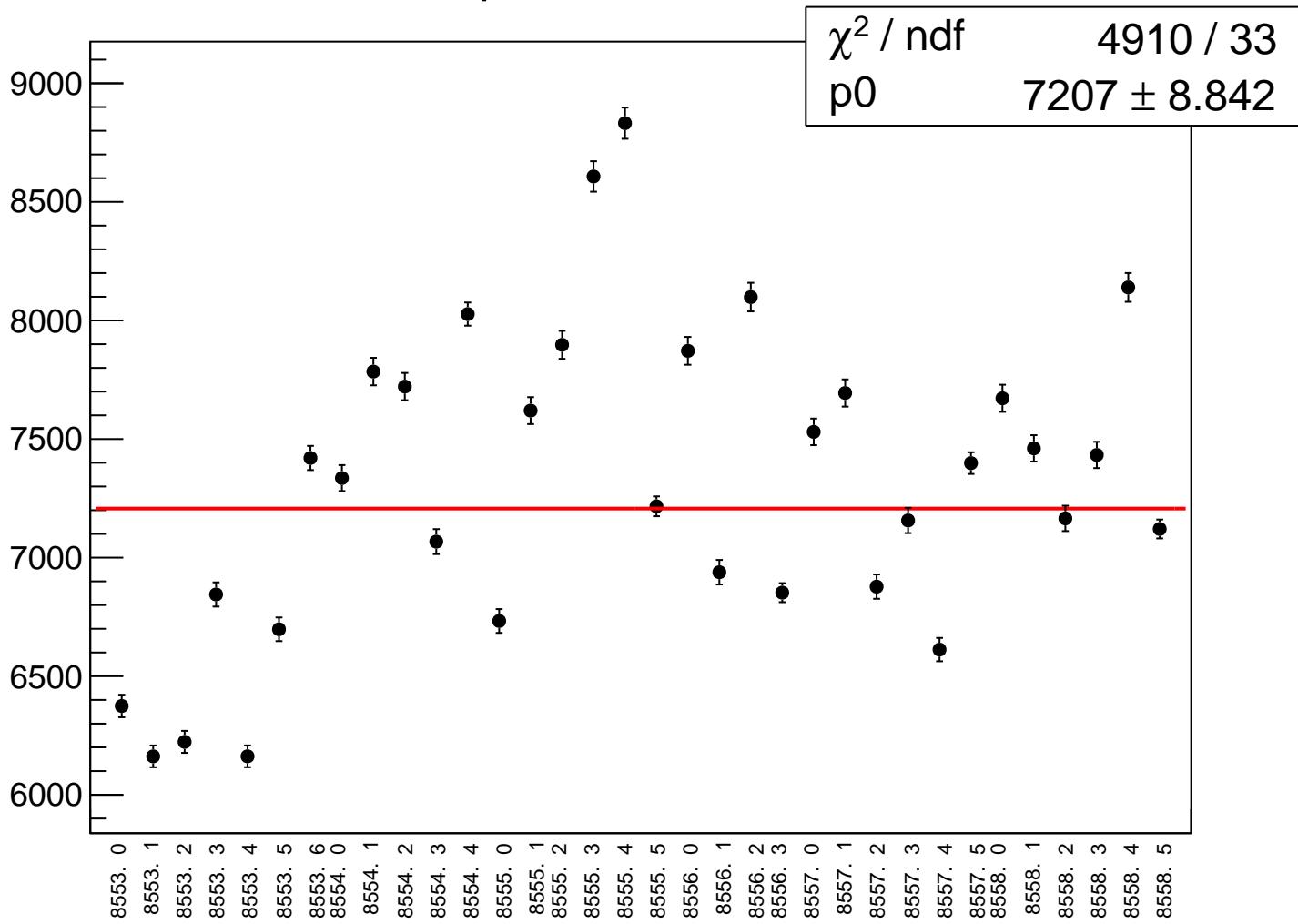
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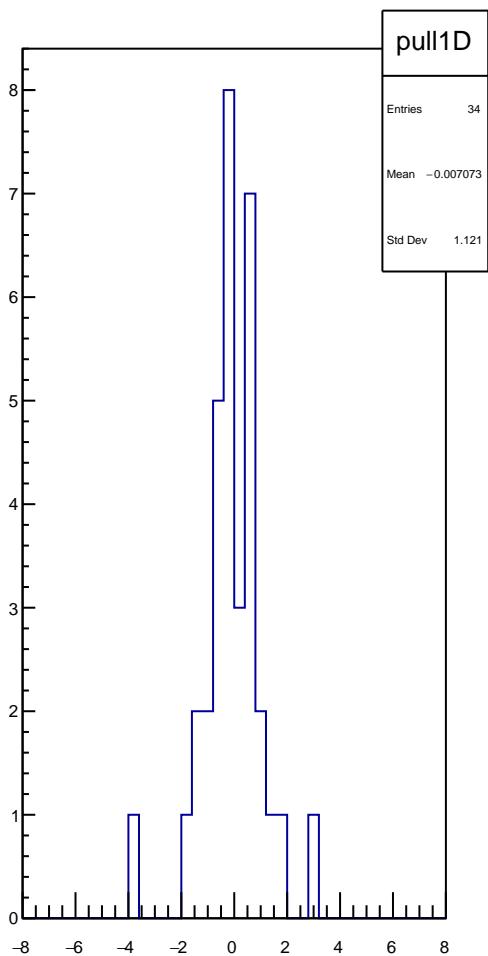
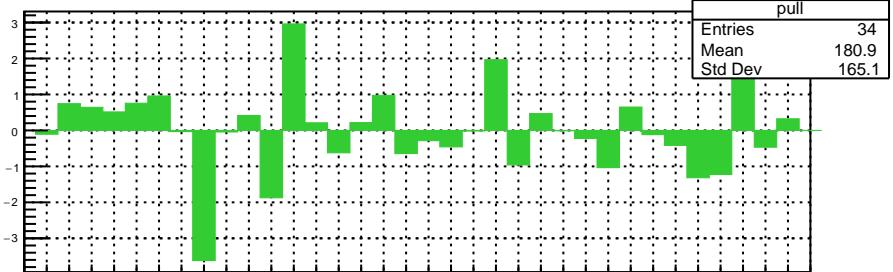
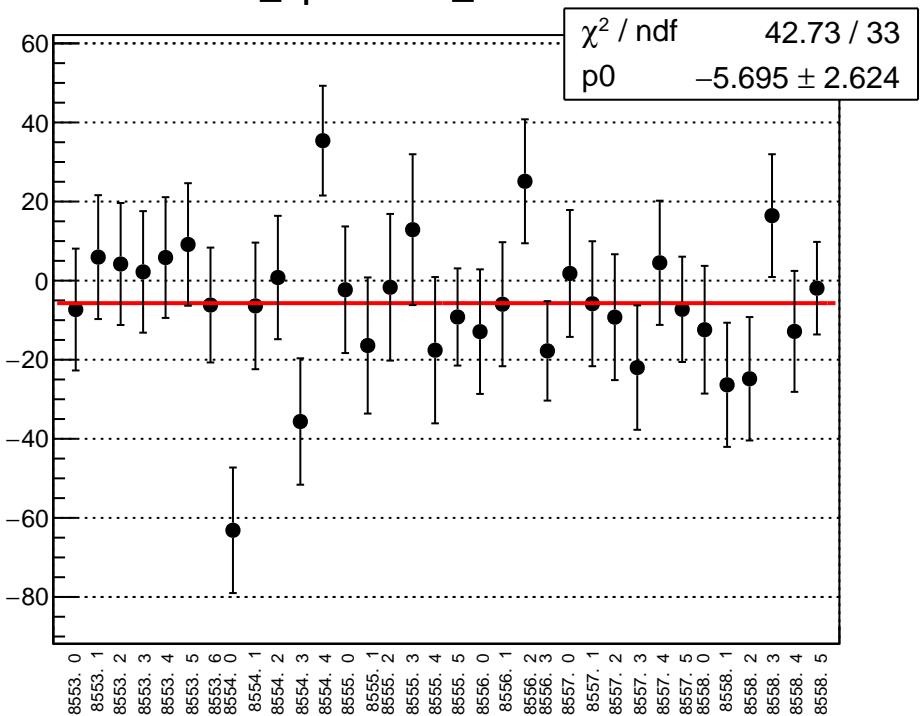
diff_bpm0l06X_mean vs run



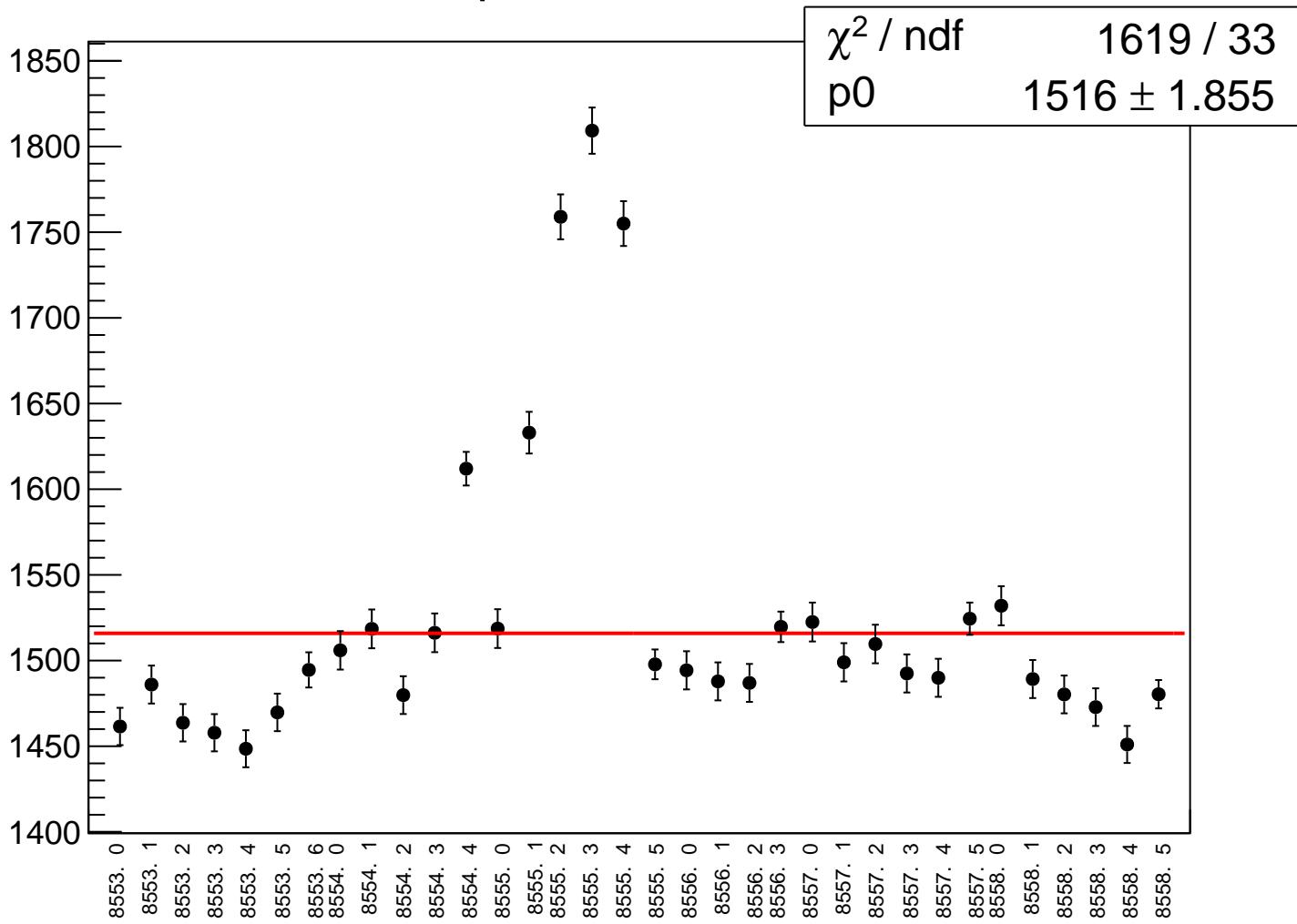
diff_bpmon06X_rms vs run



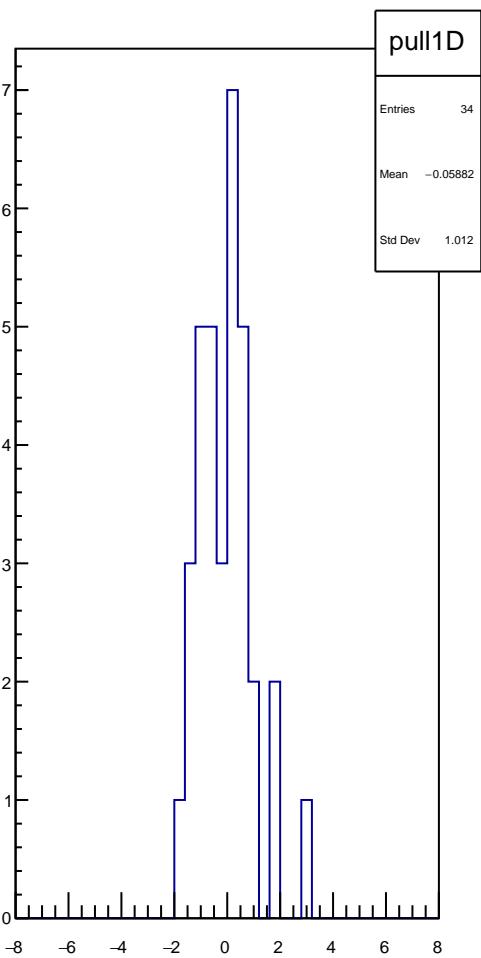
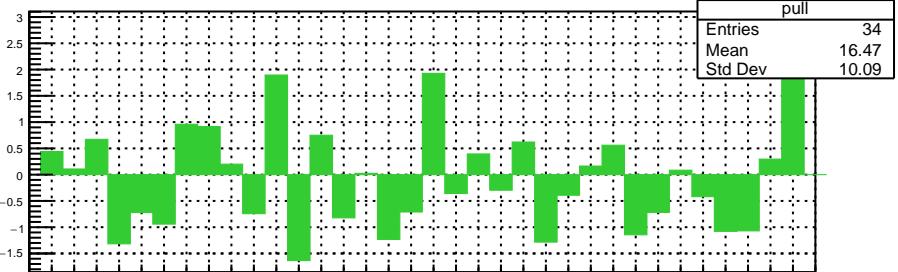
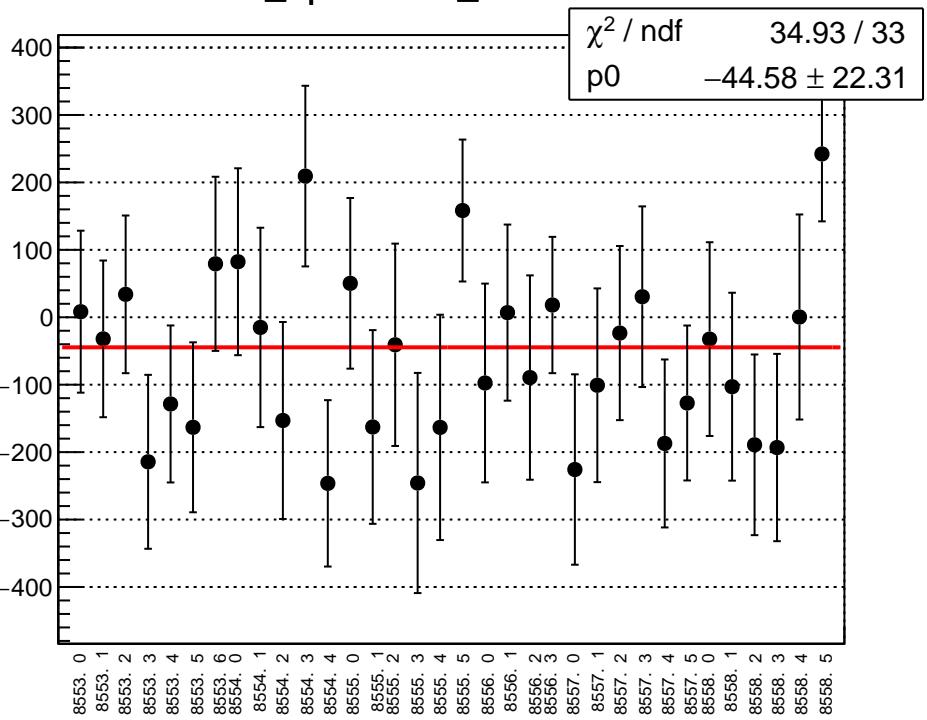
diff_bpm0l06Y_mean vs run



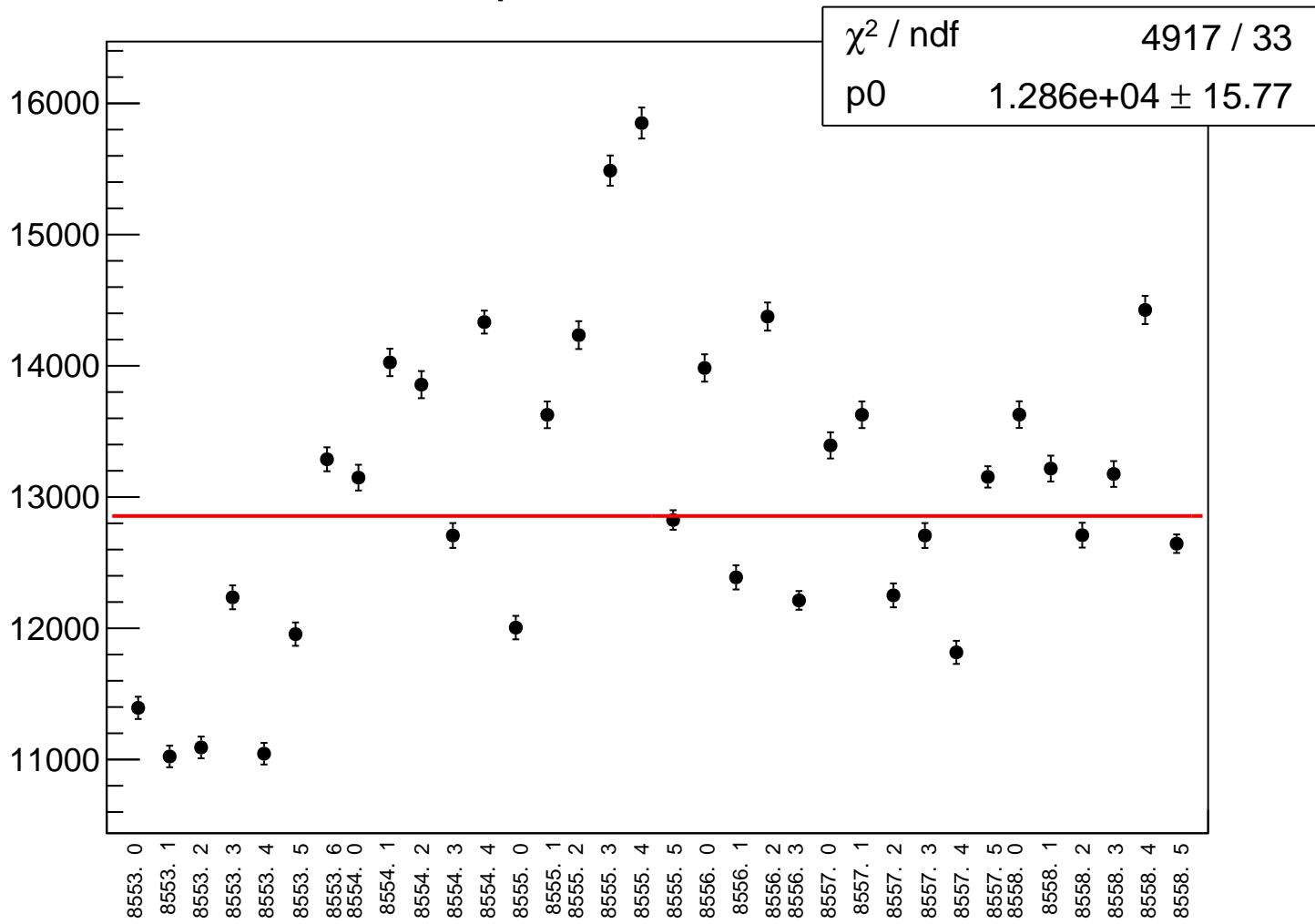
diff_bpmon06Y_rms vs run



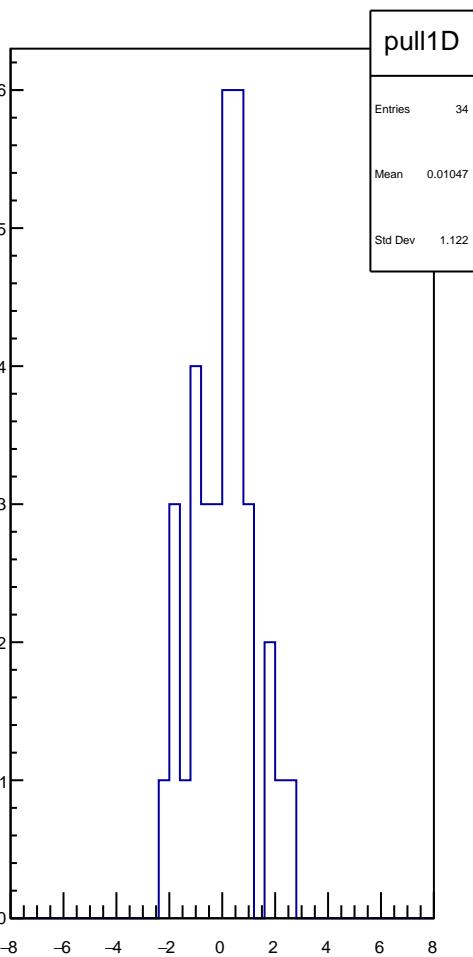
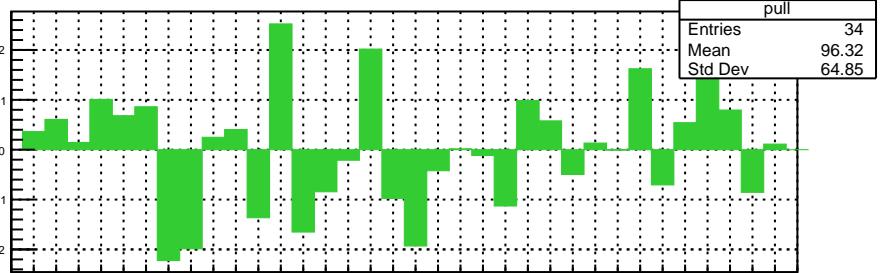
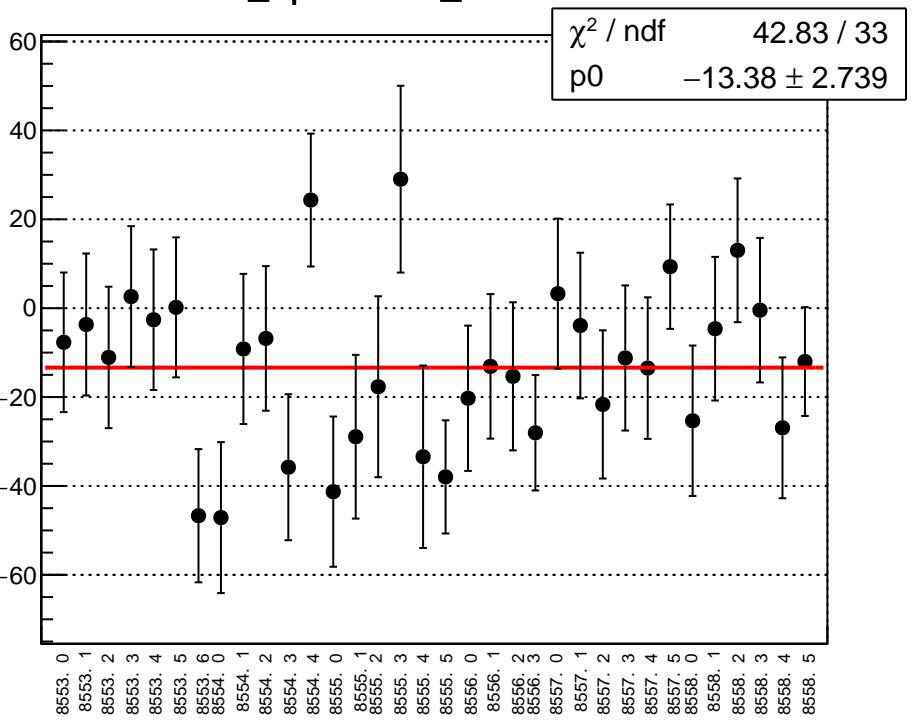
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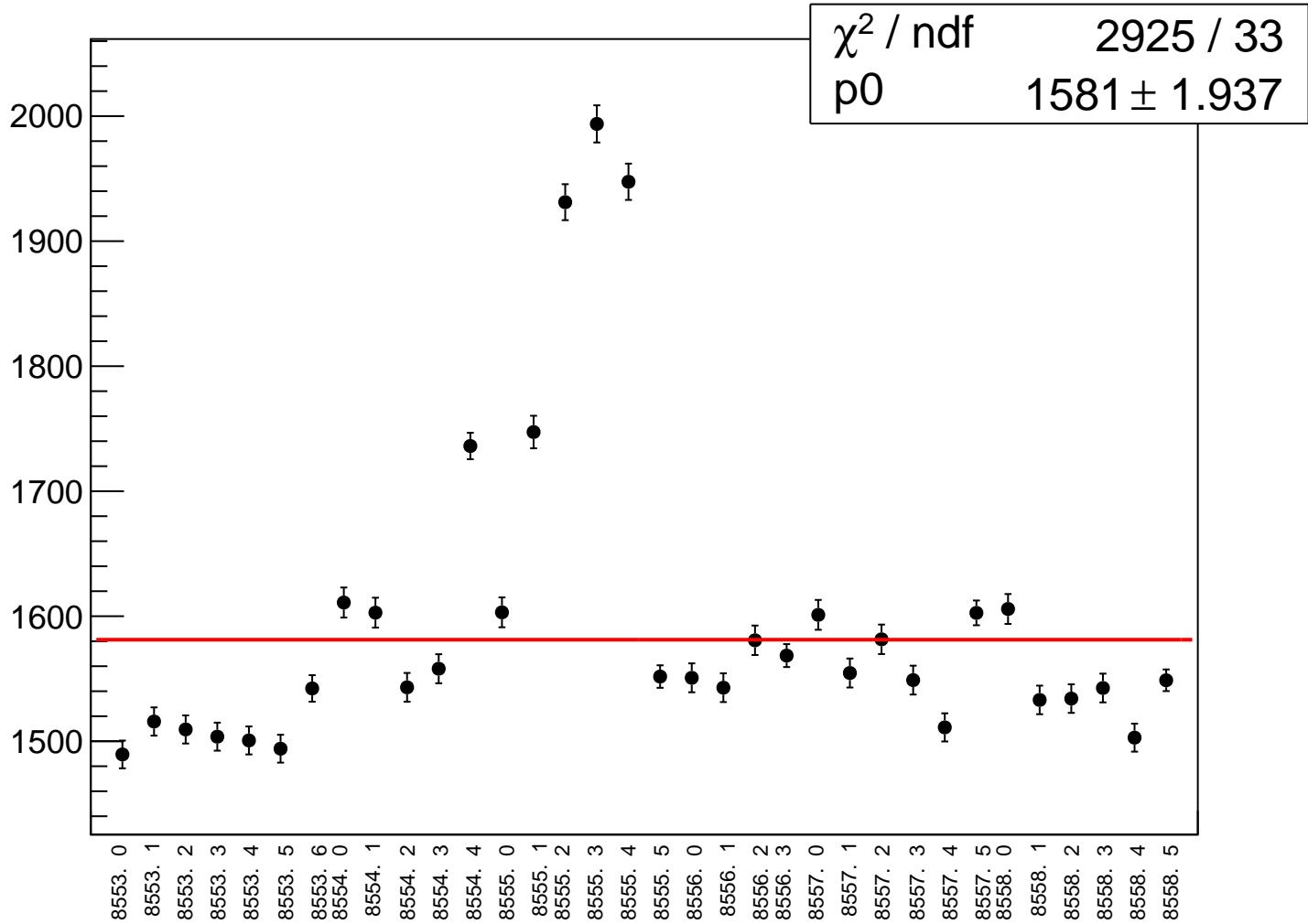
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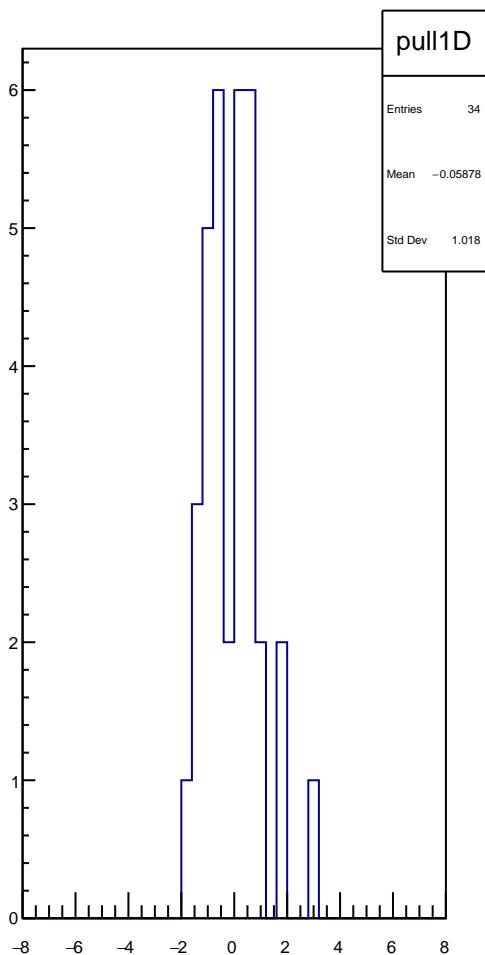
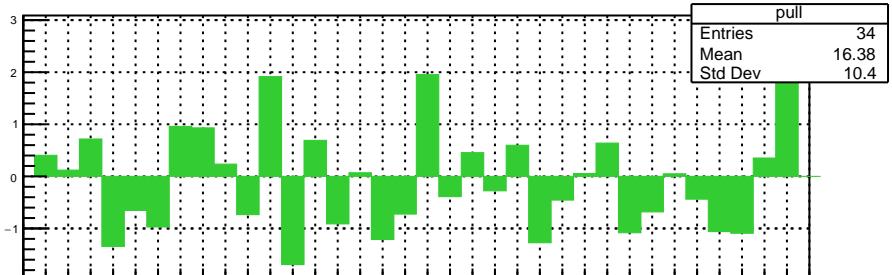
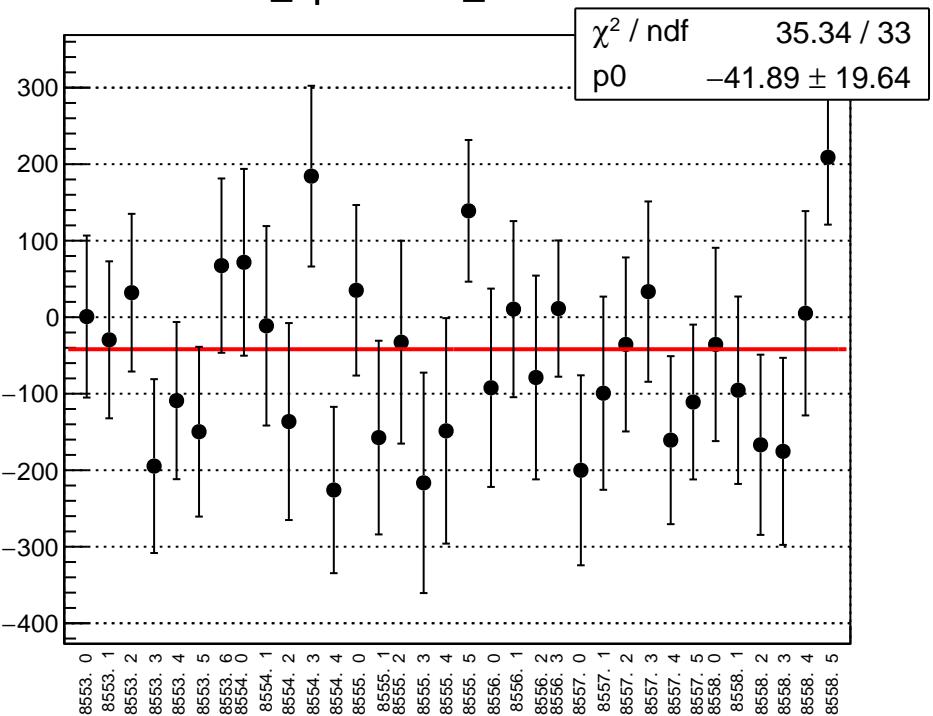
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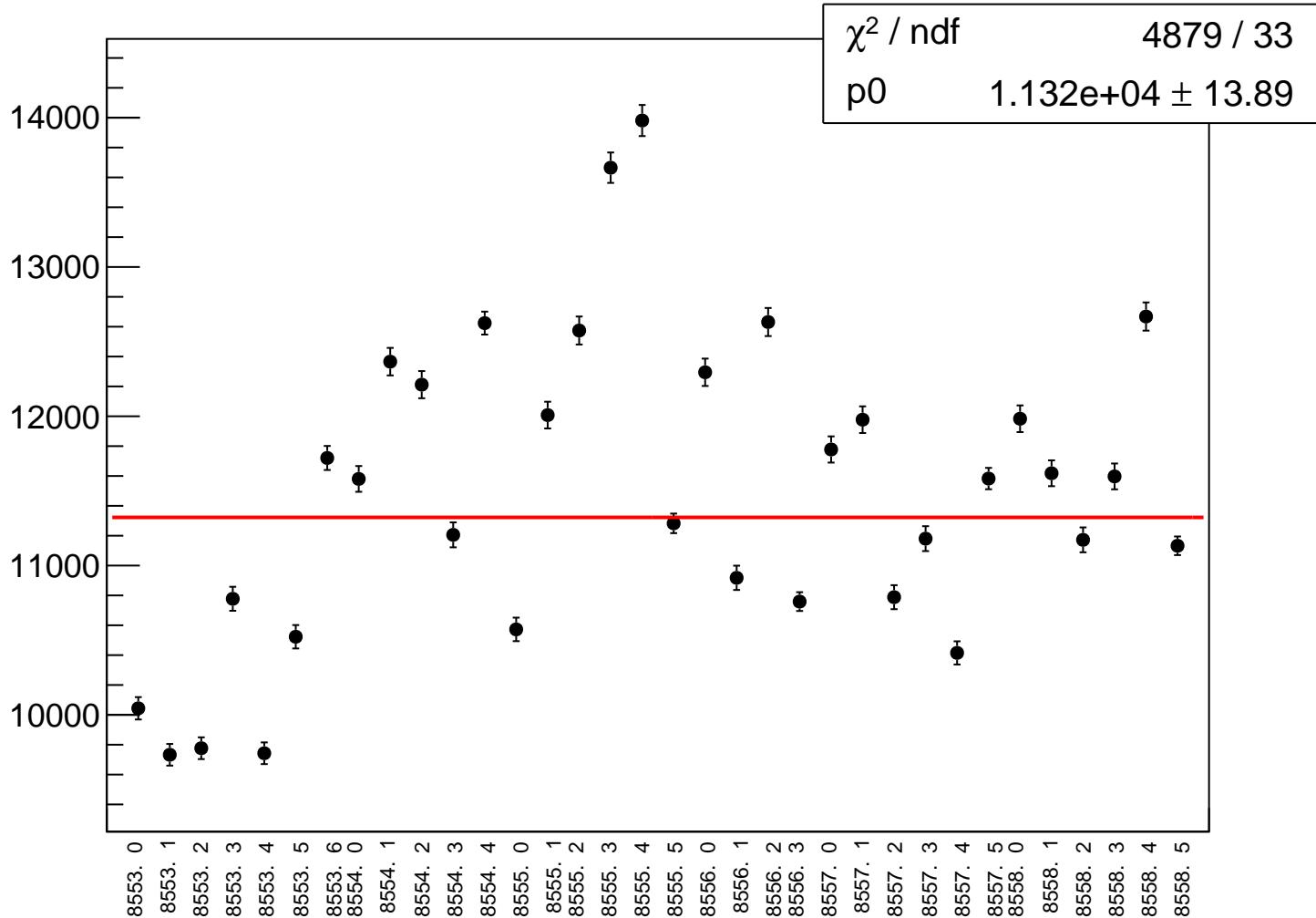
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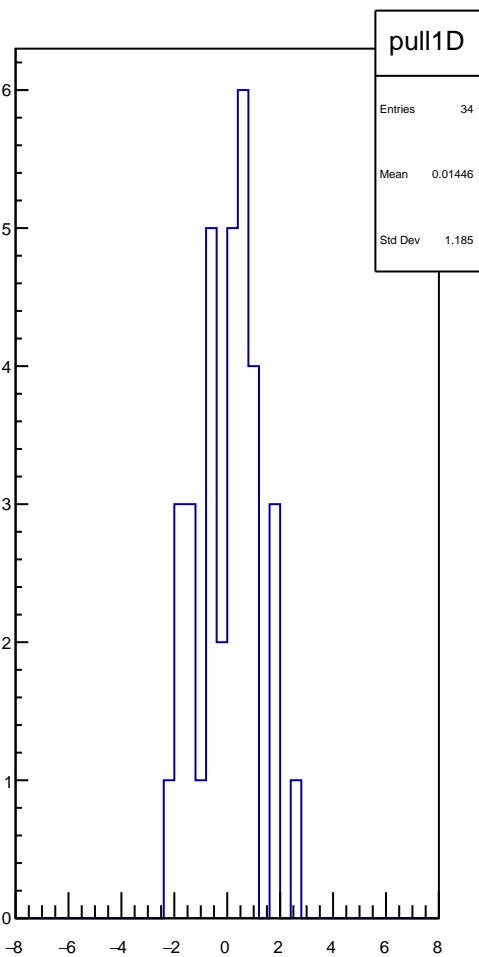
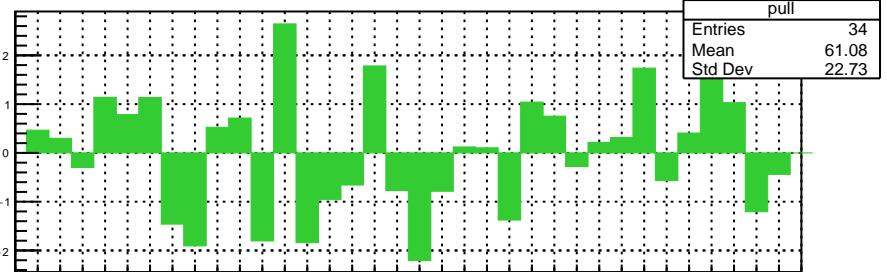
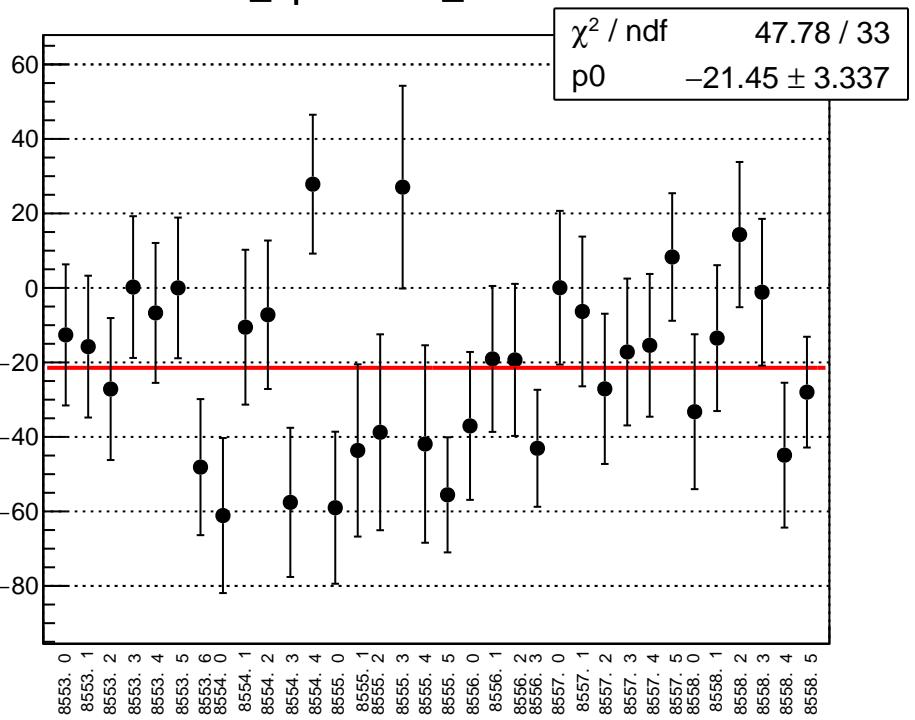
diff_bpm0l08X_mean vs run



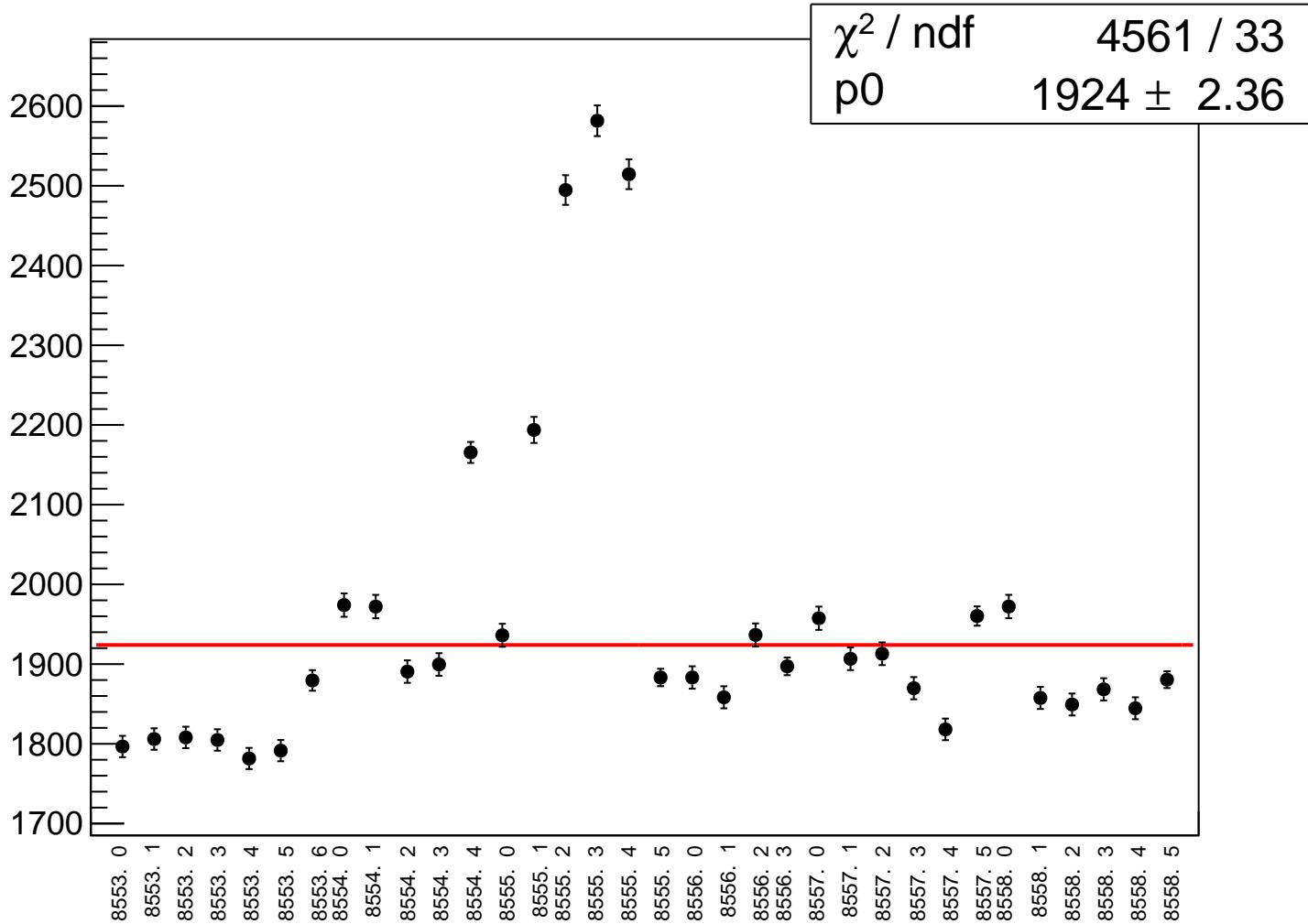
diff_bpmon08X_rms vs run



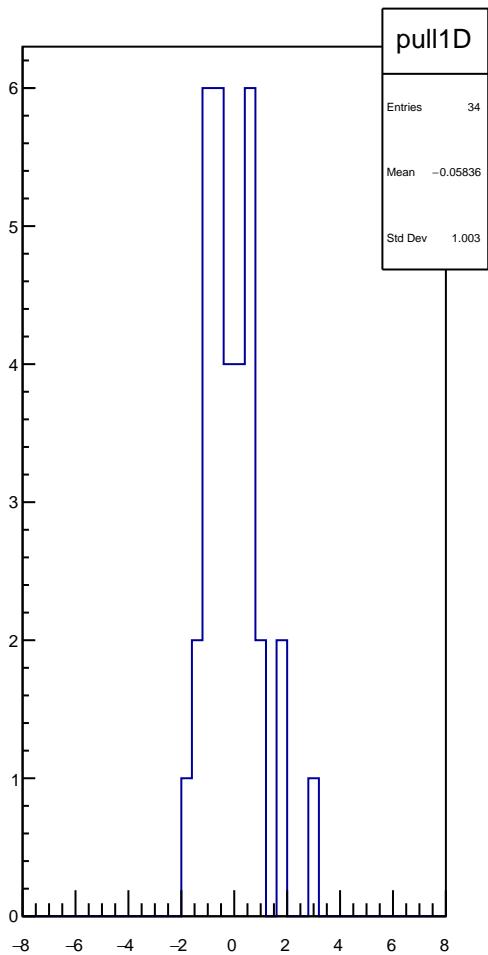
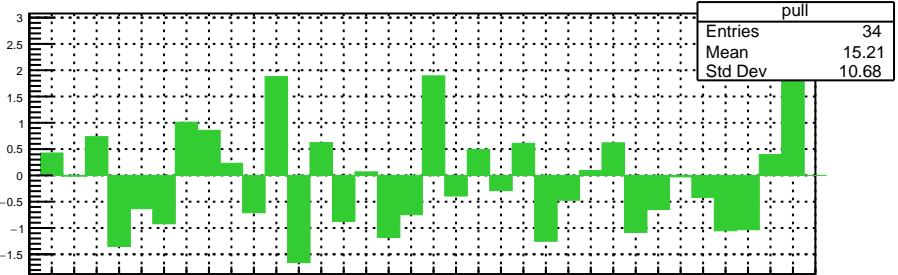
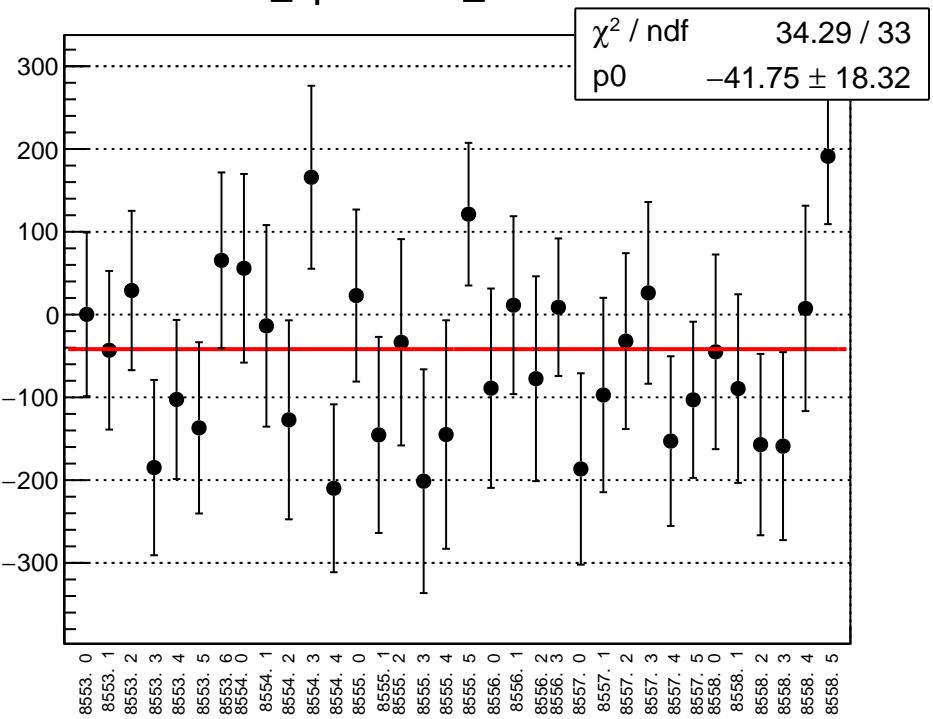
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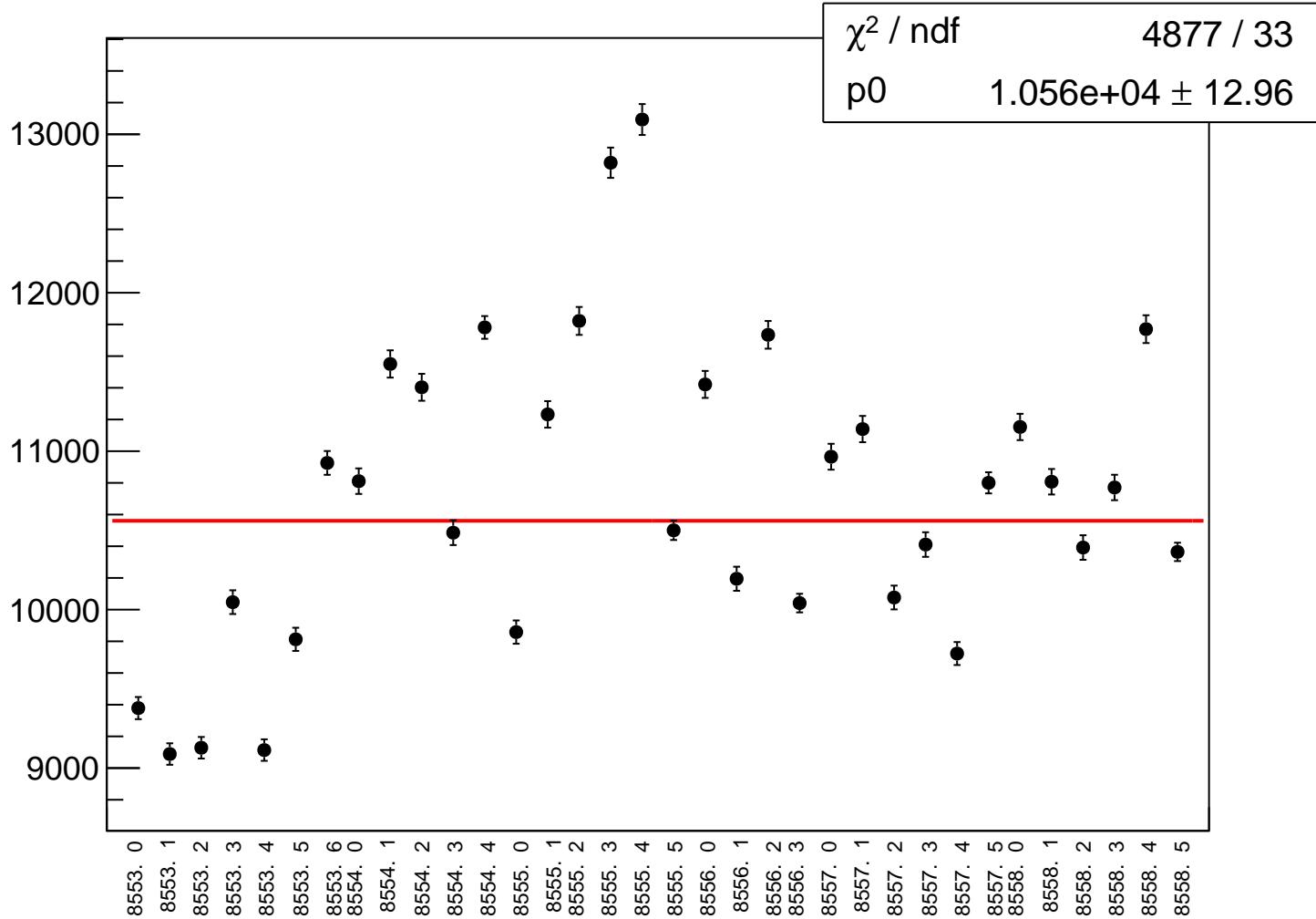
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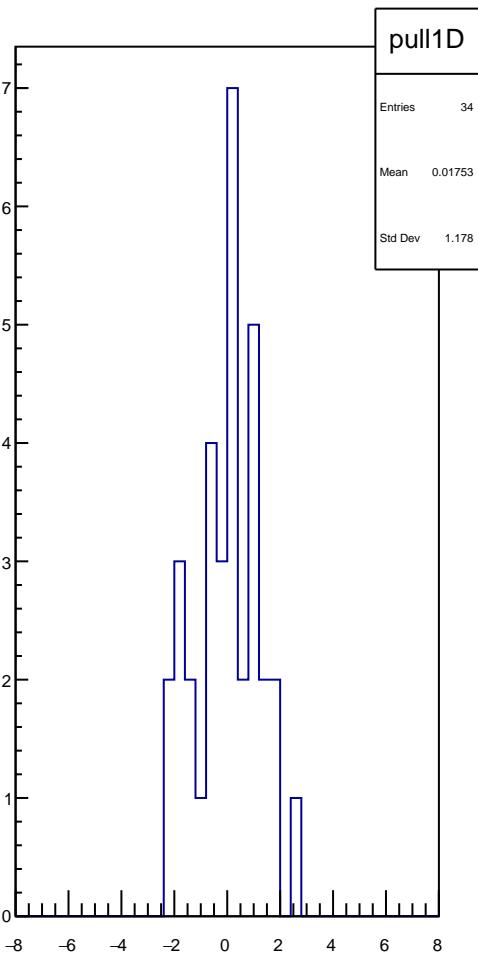
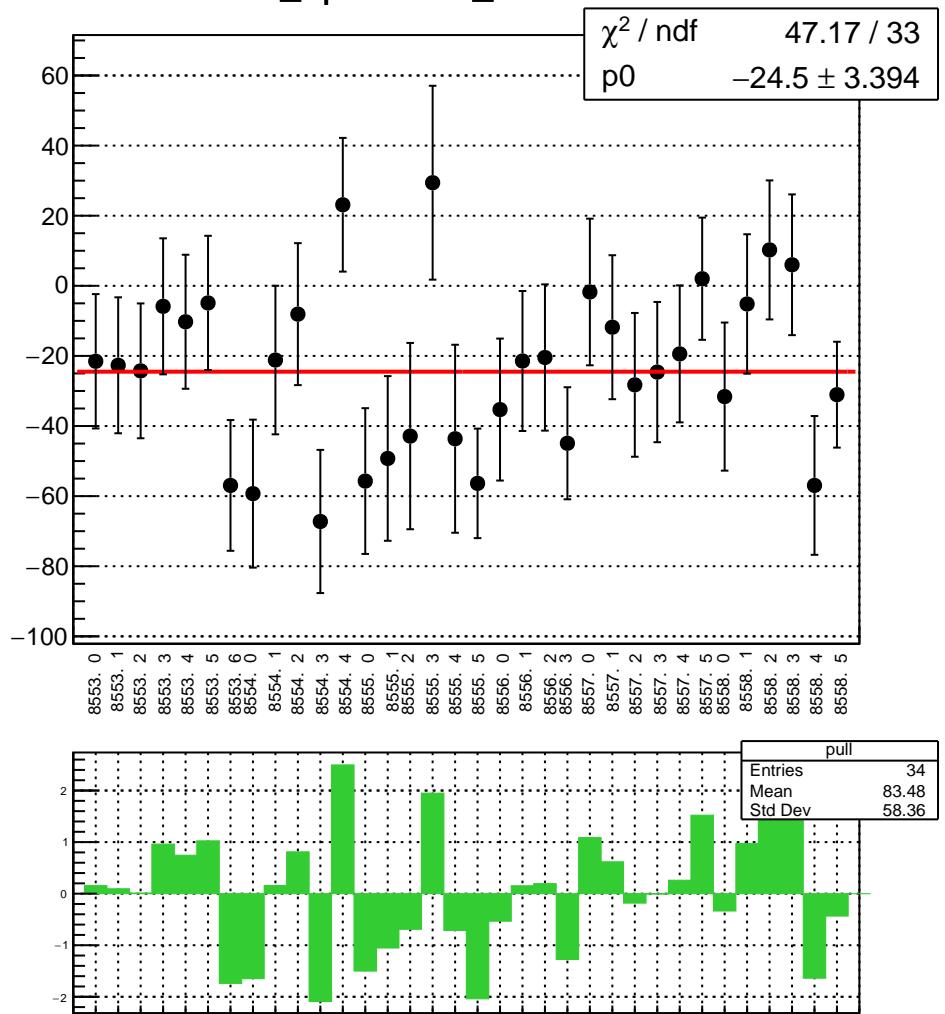
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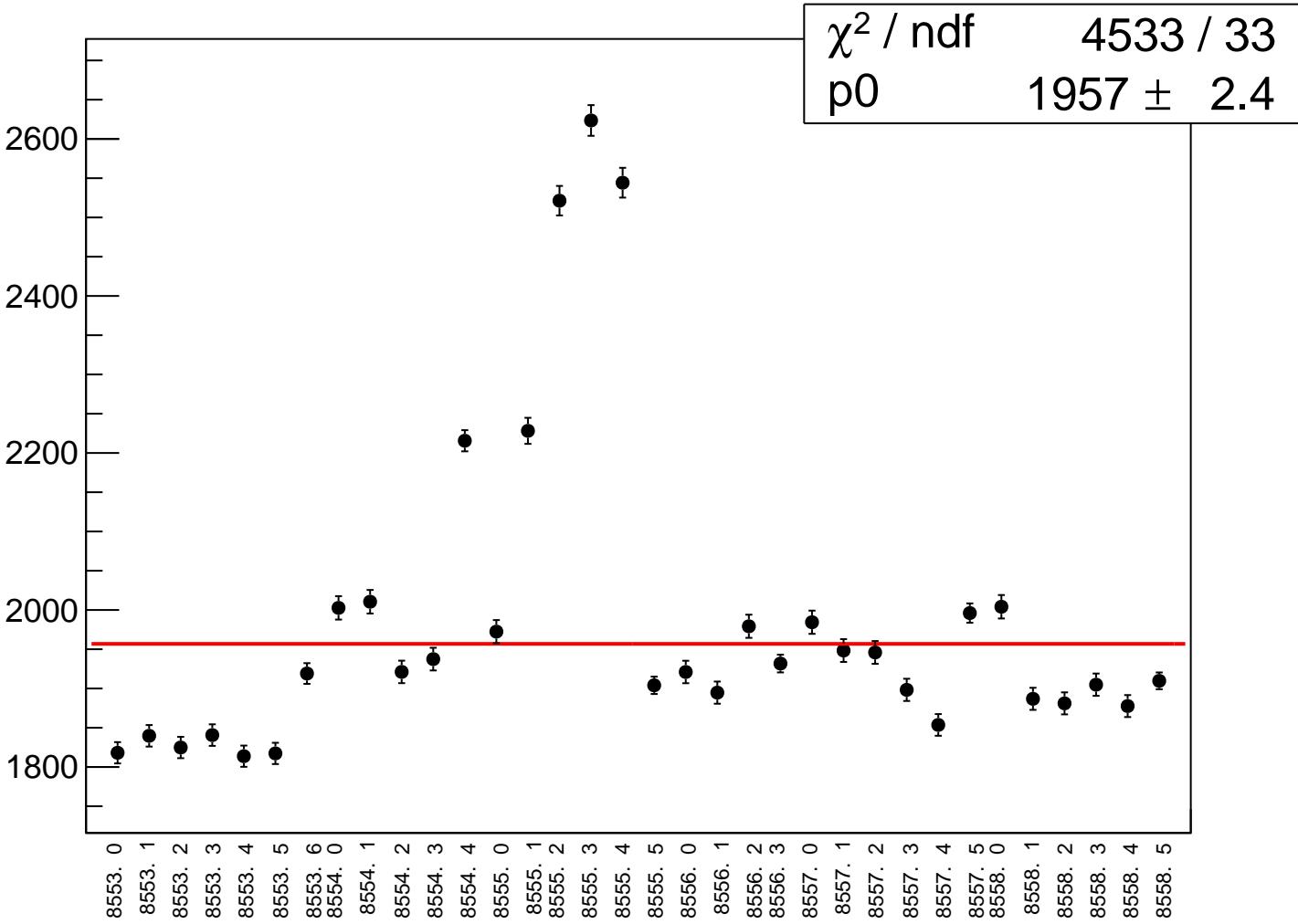
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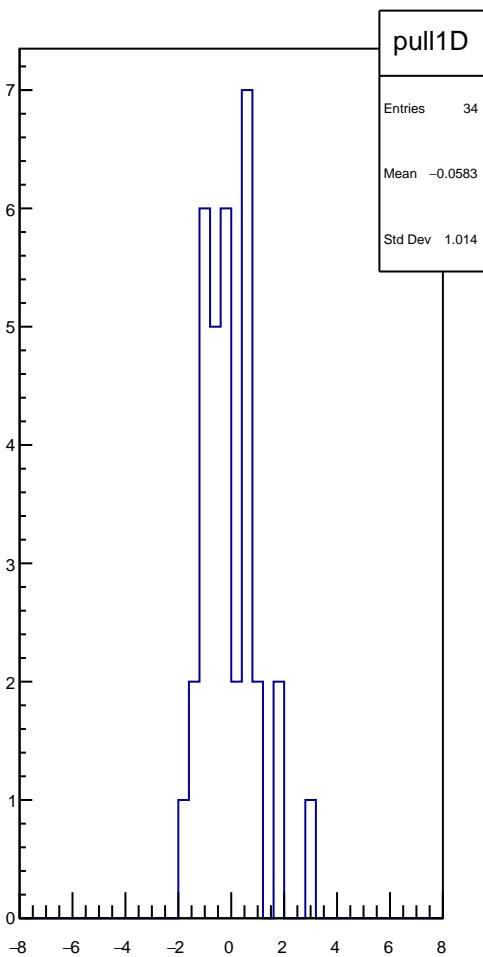
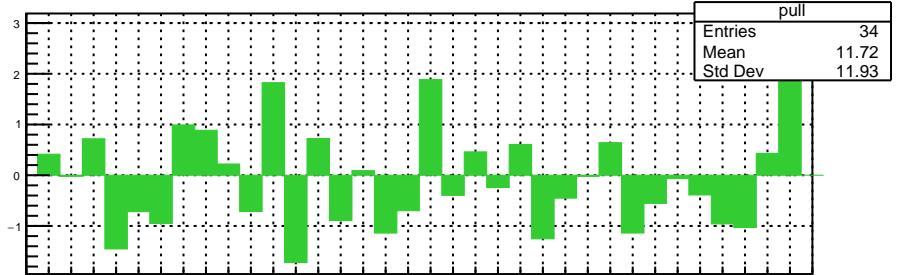
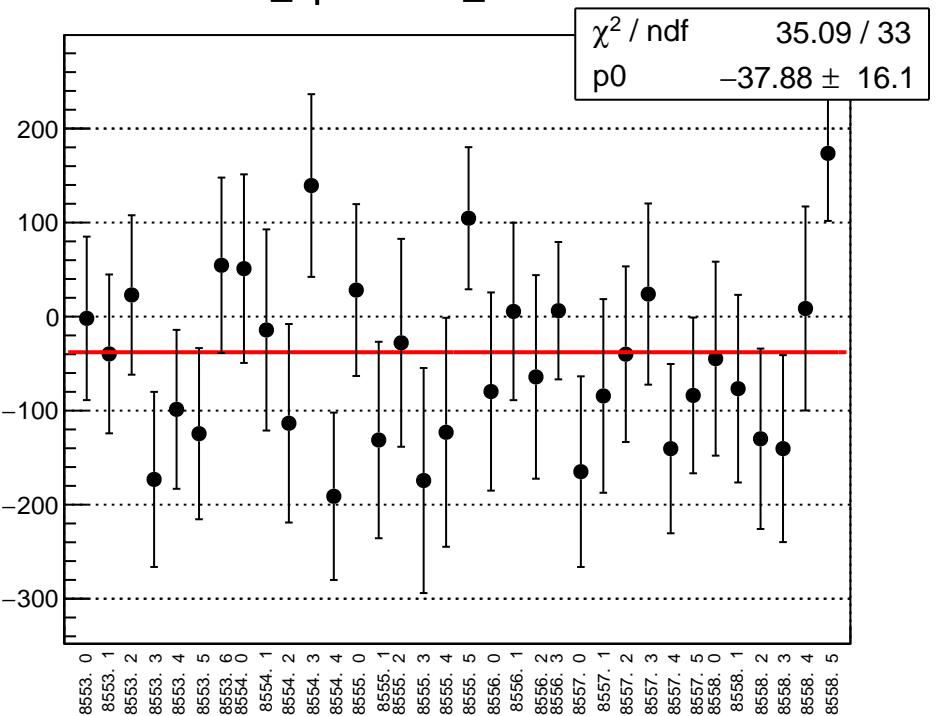
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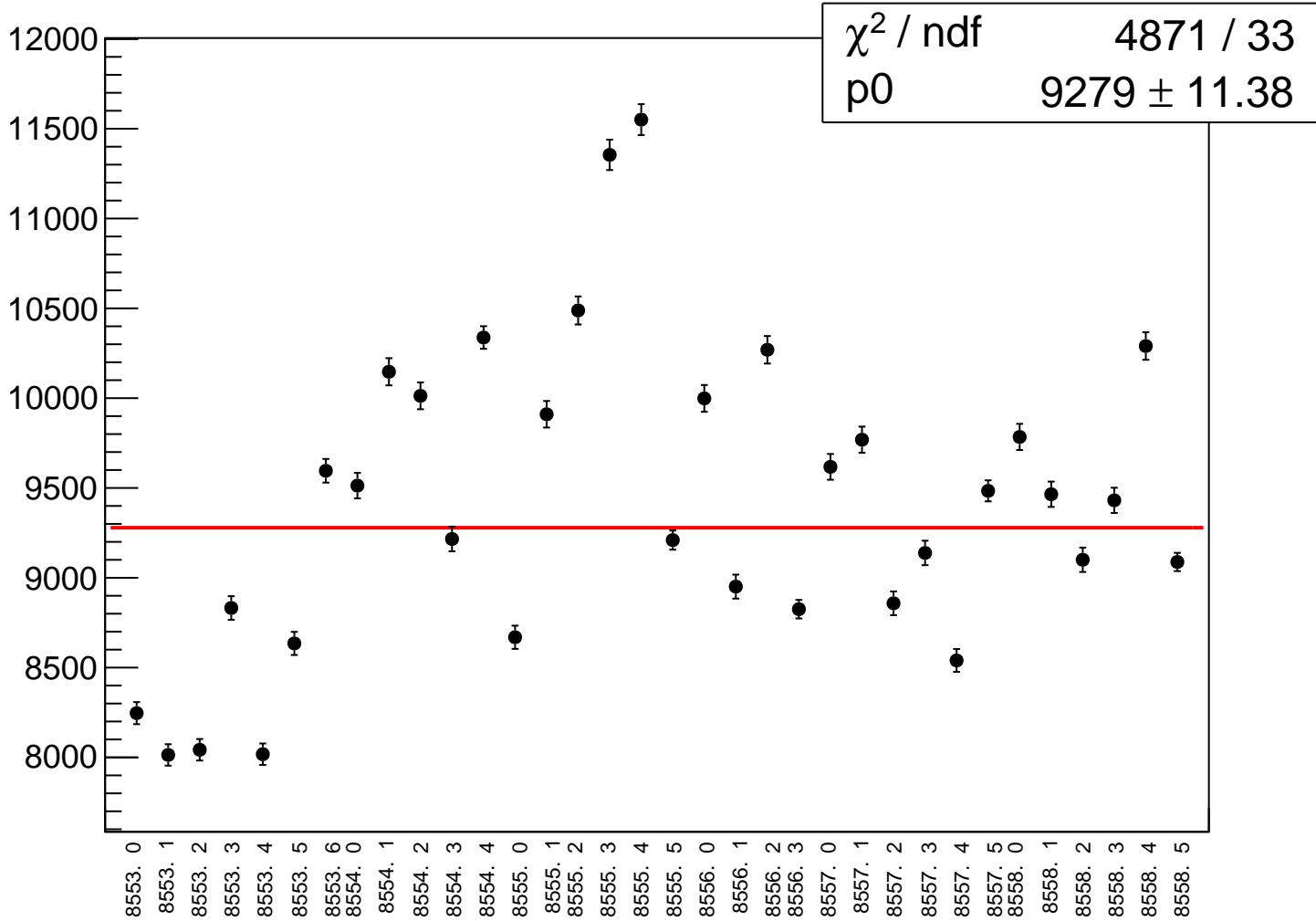
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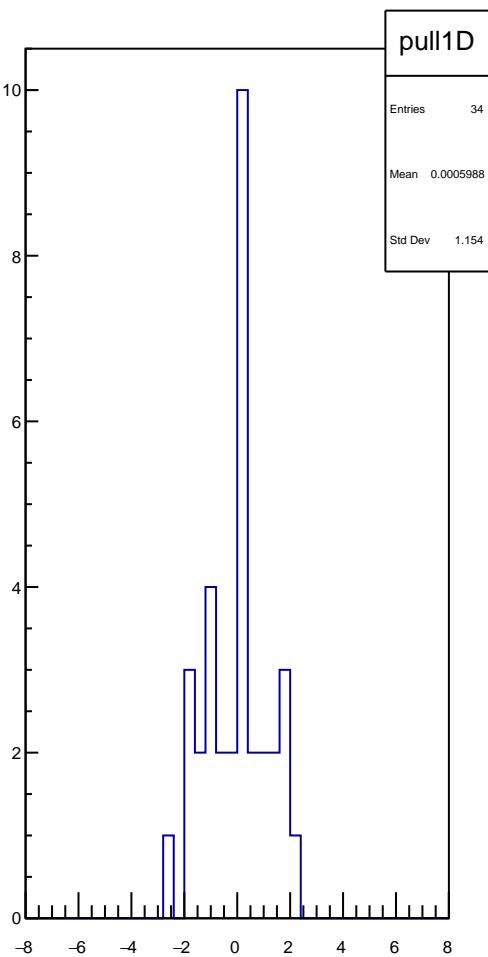
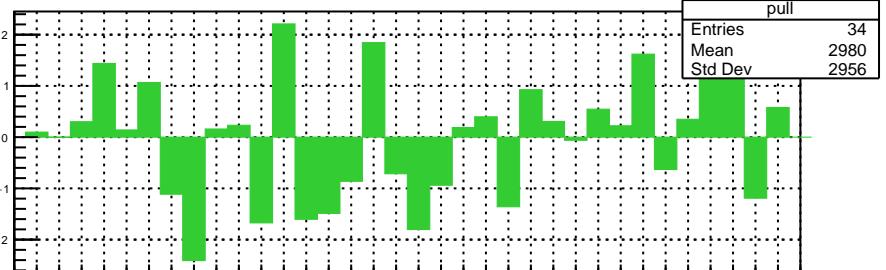
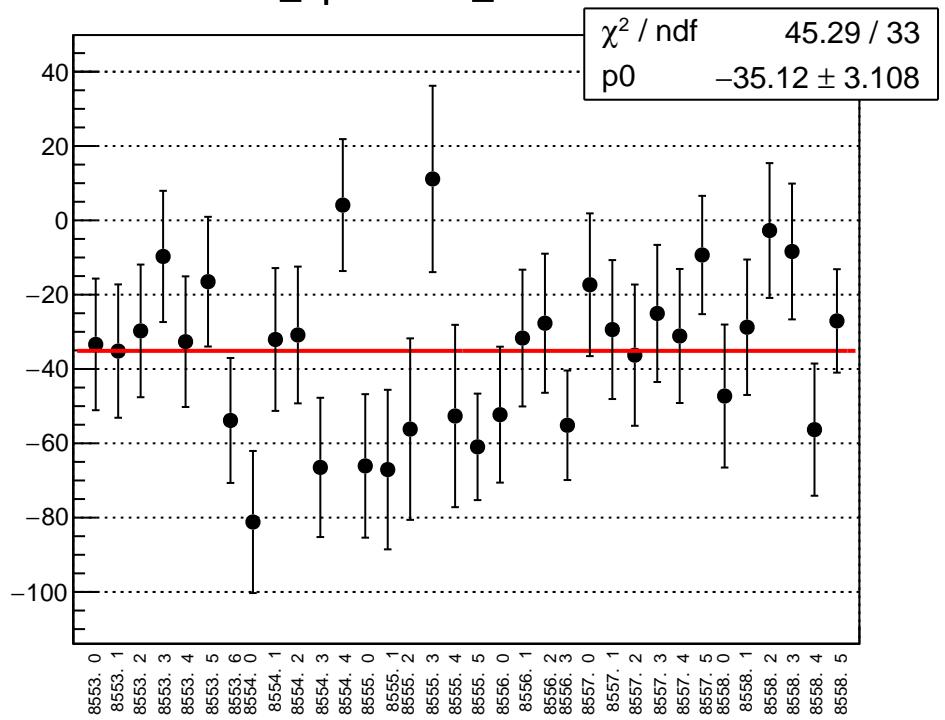
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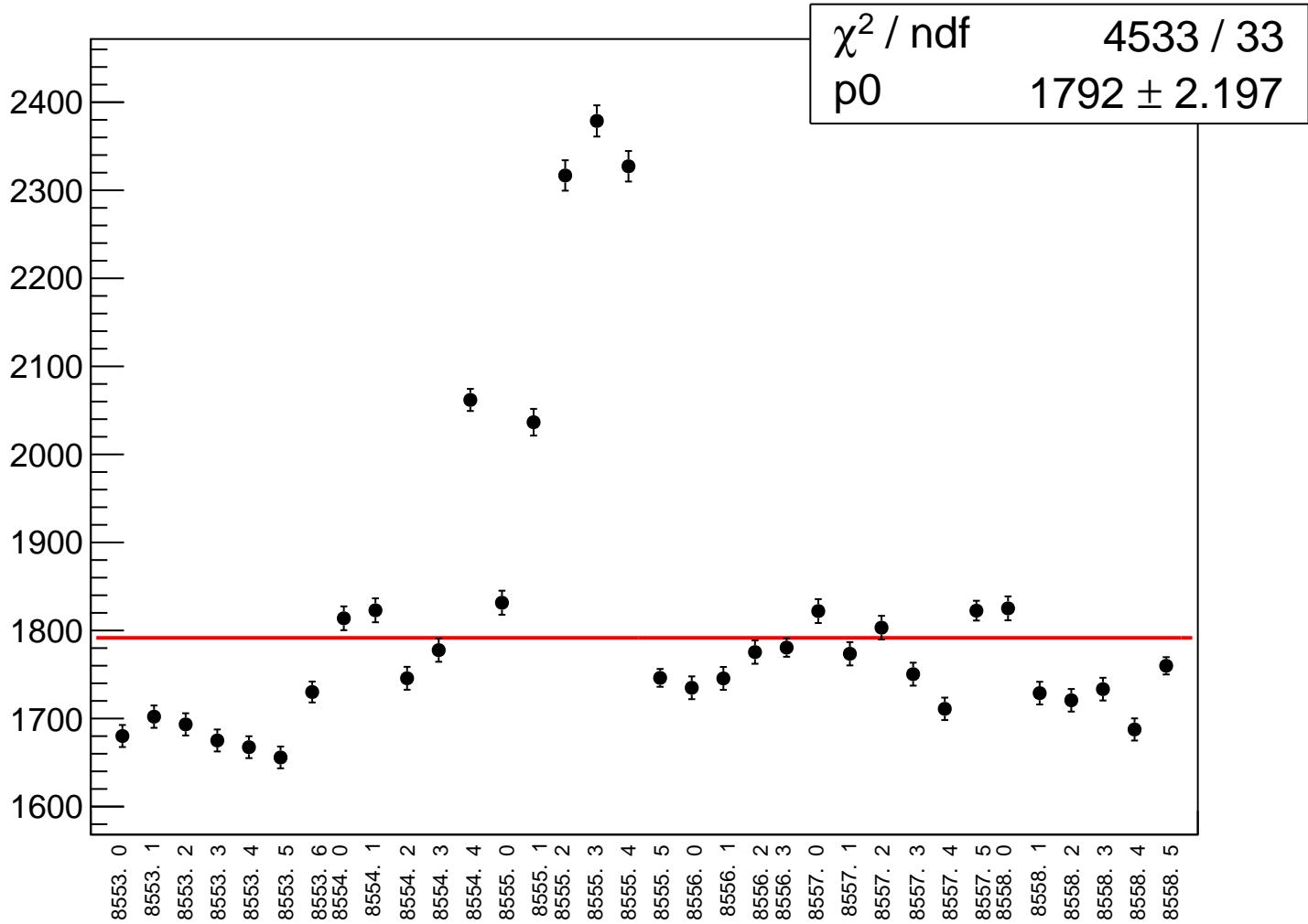
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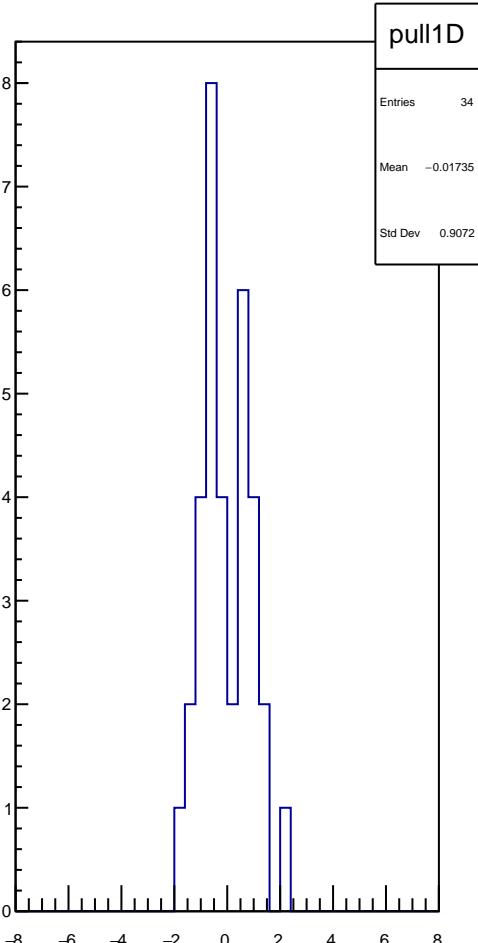
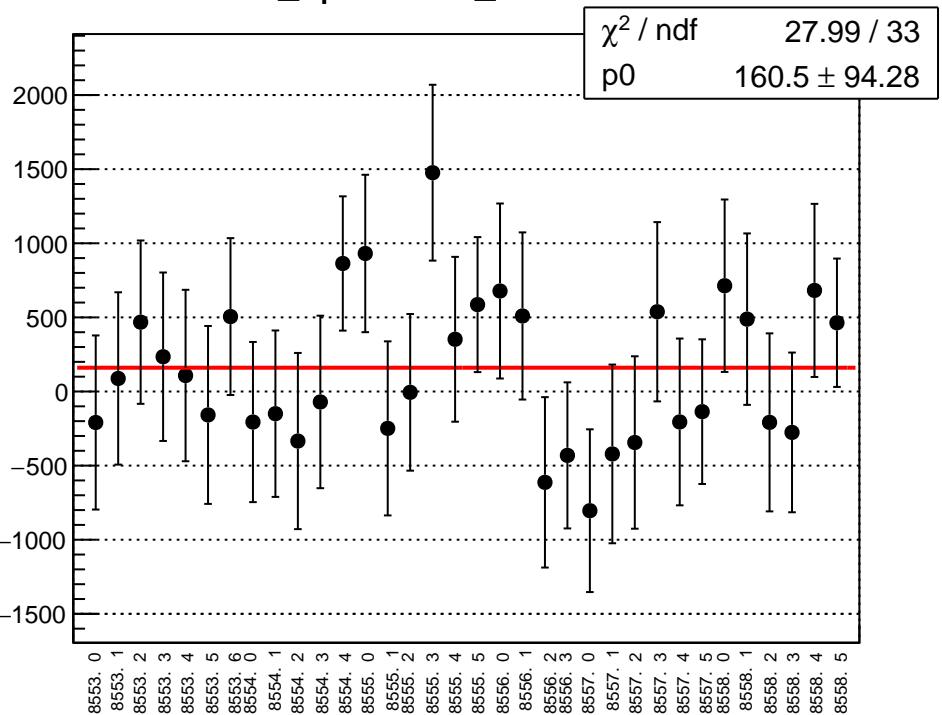
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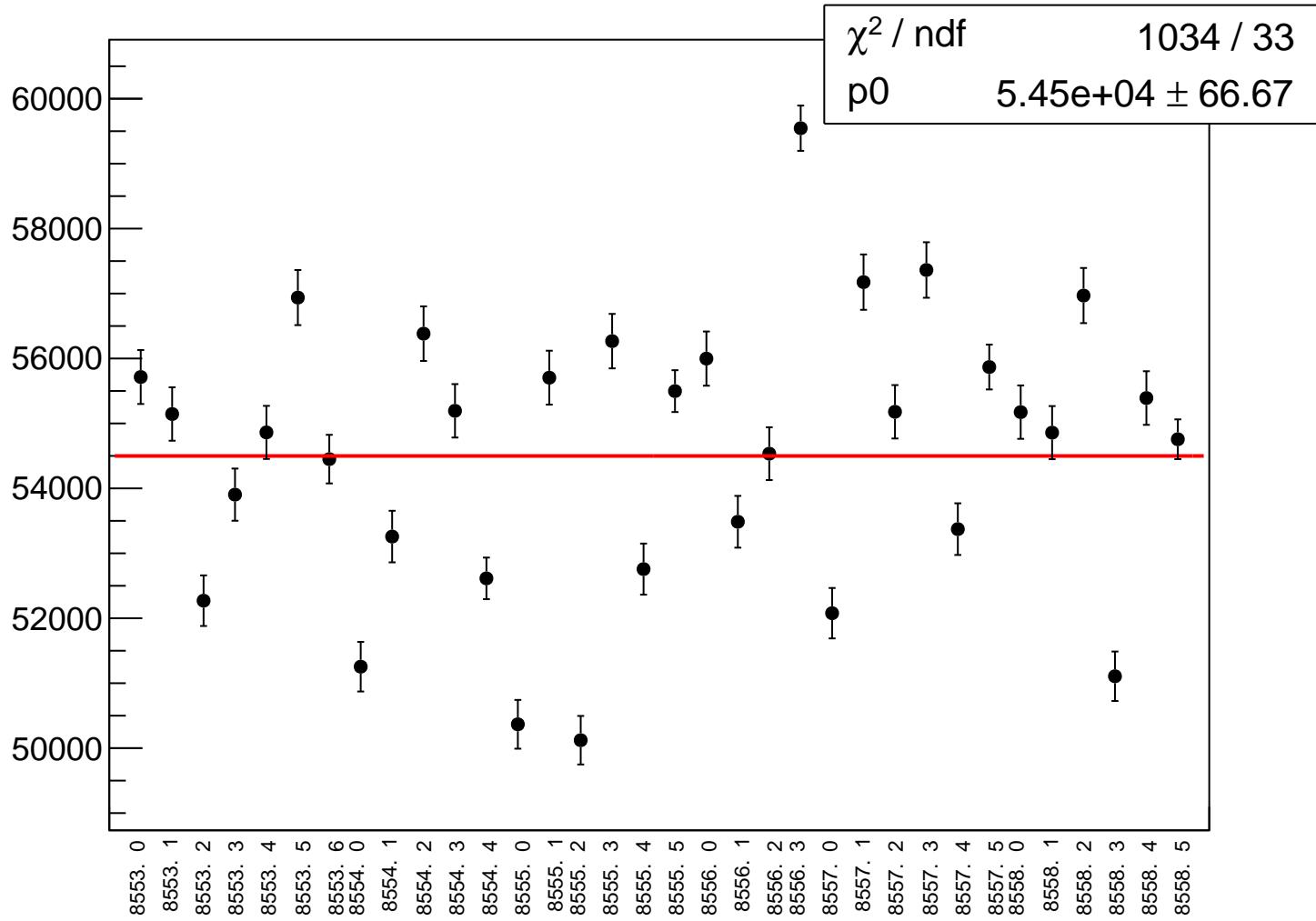
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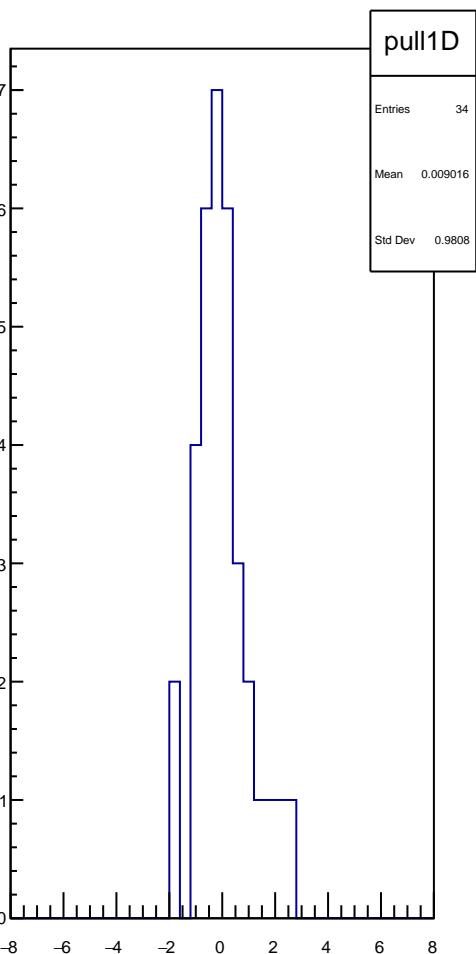
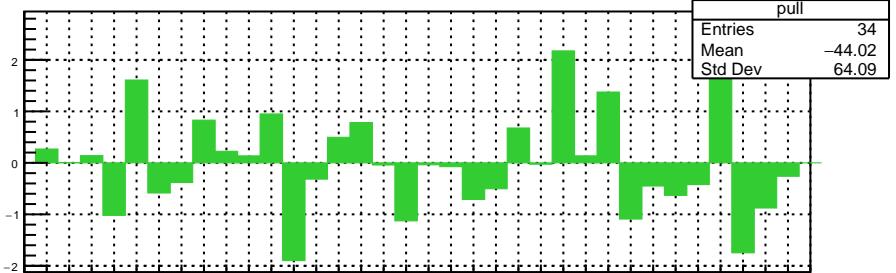
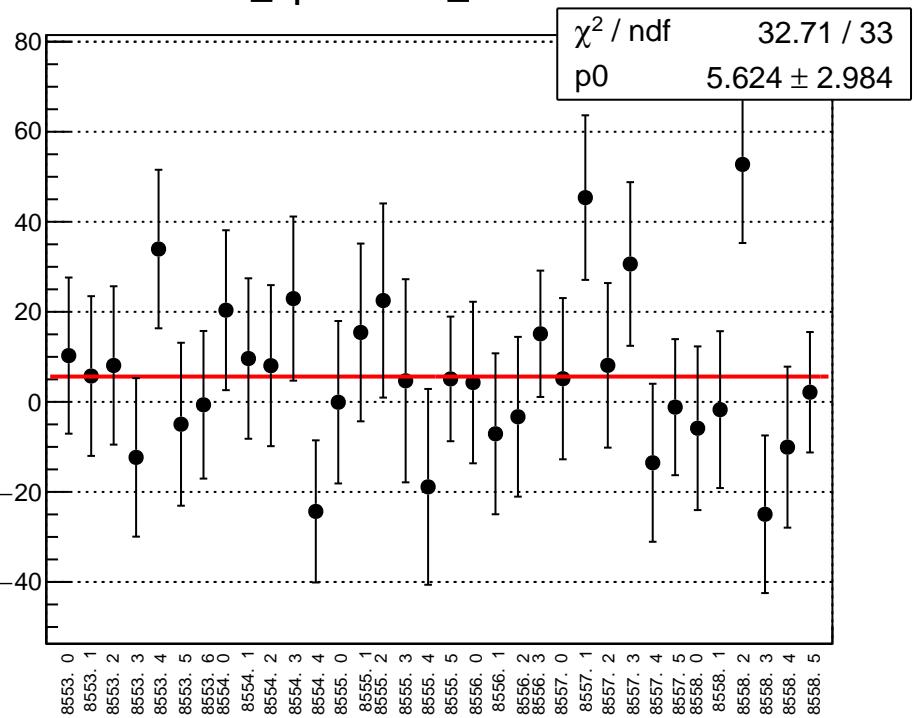
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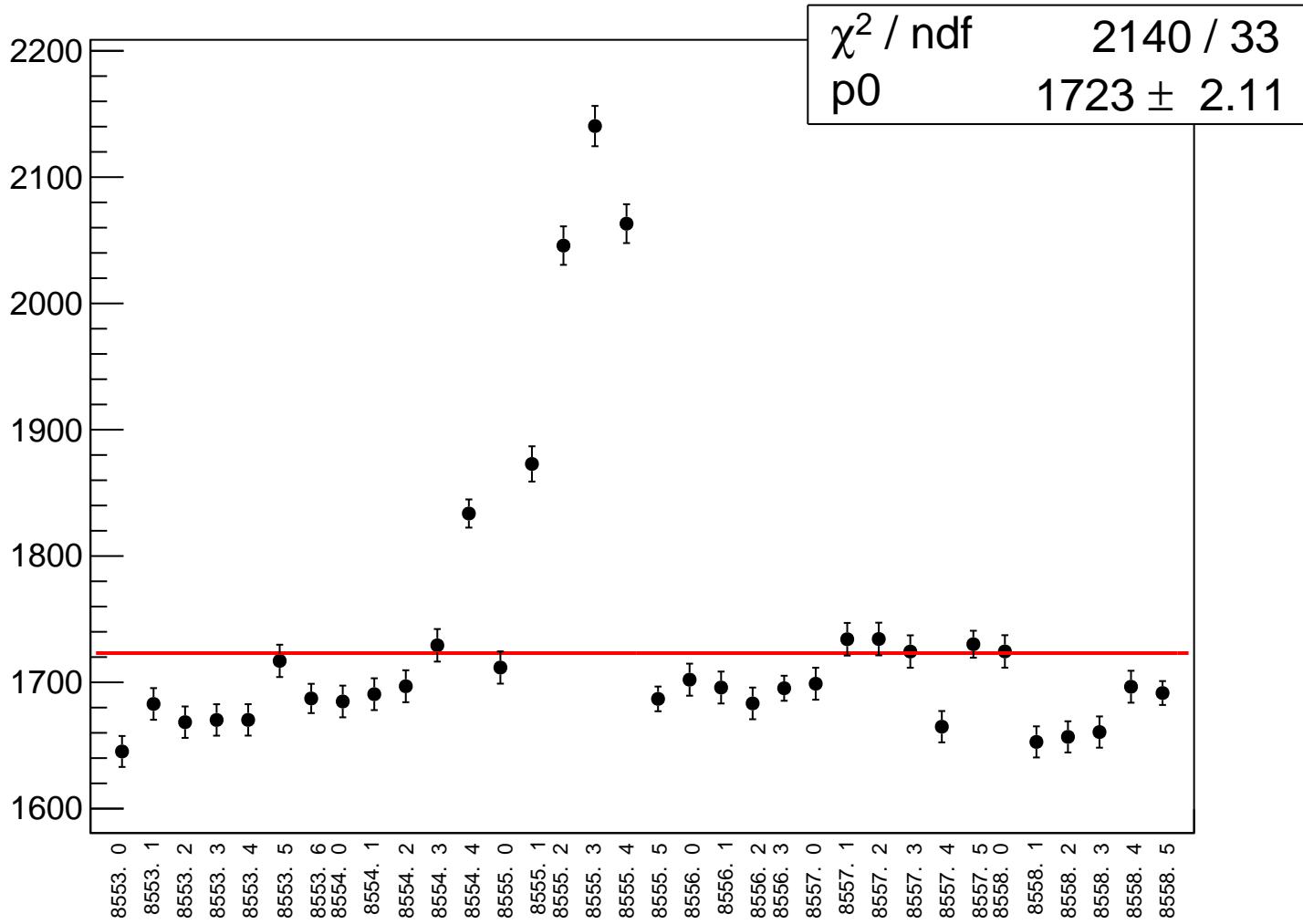
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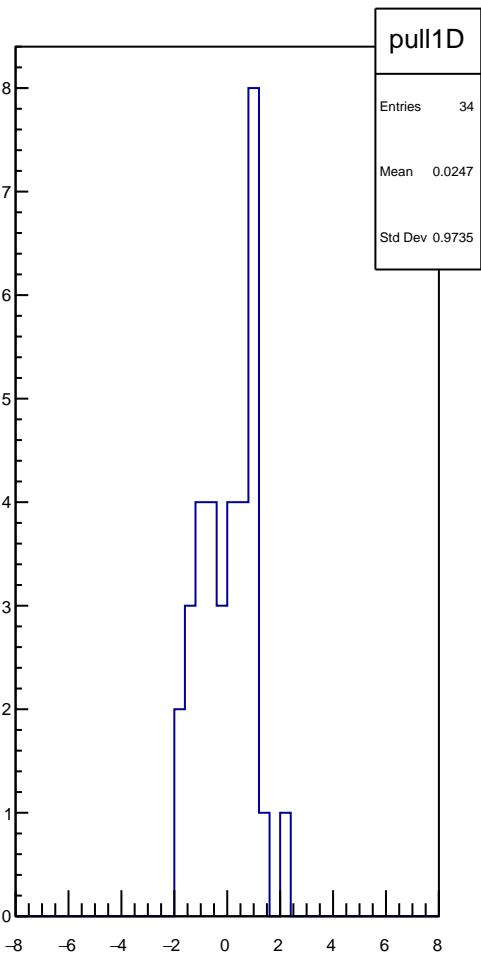
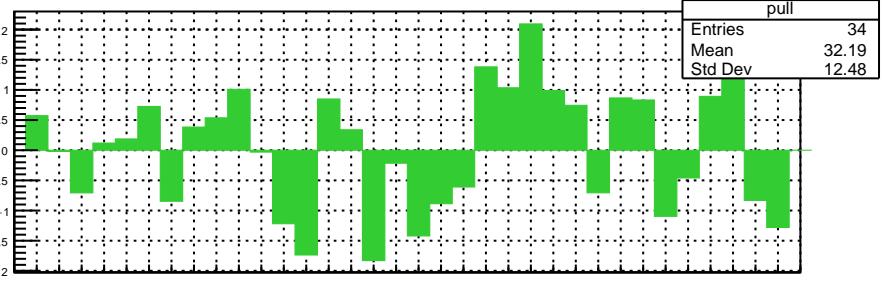
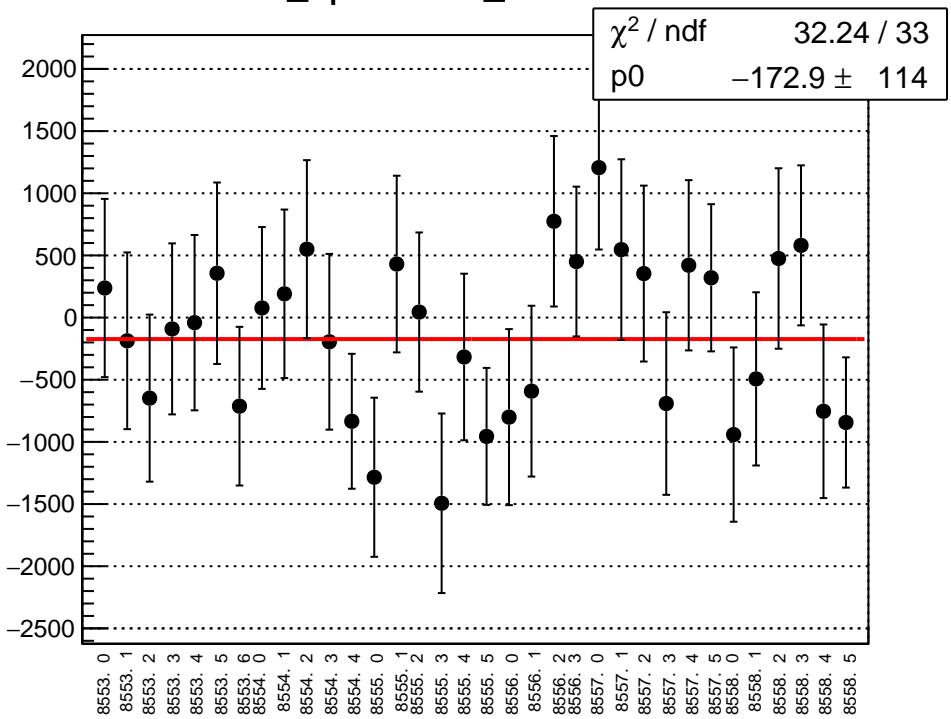
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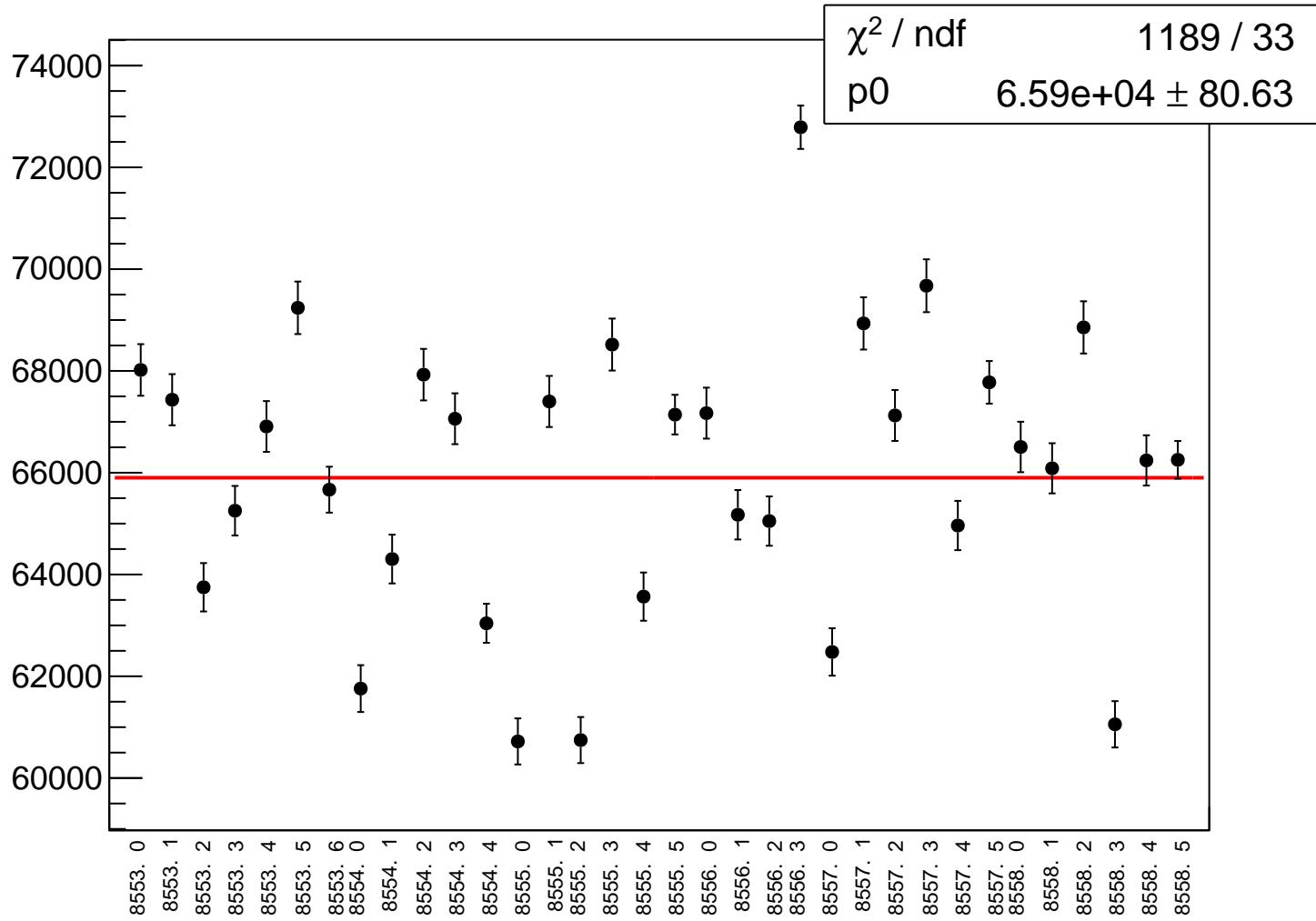
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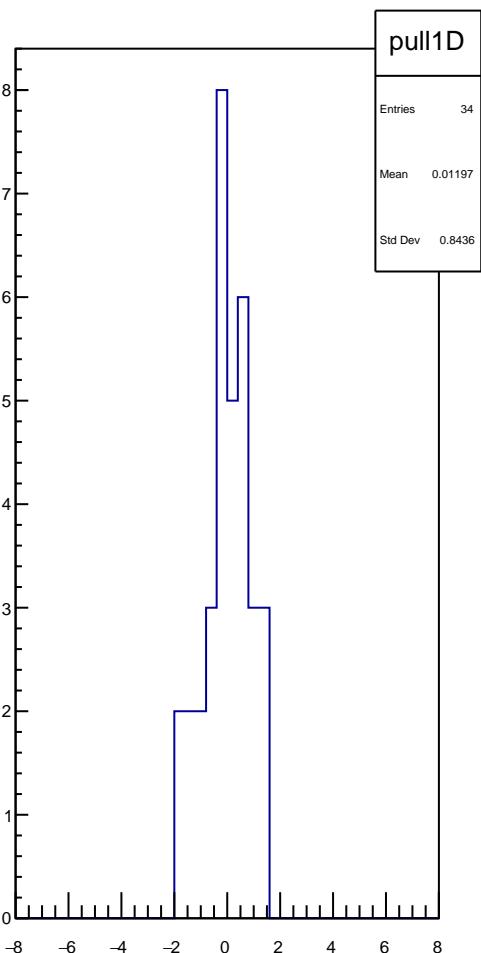
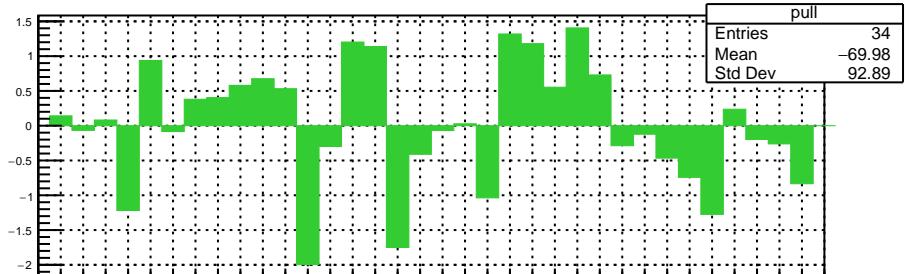
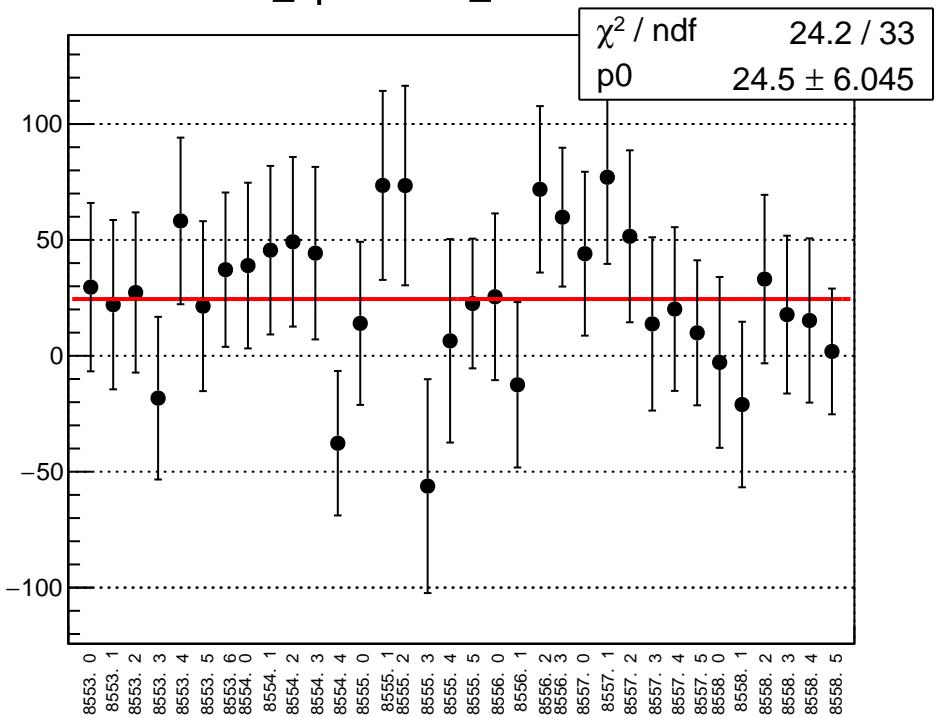
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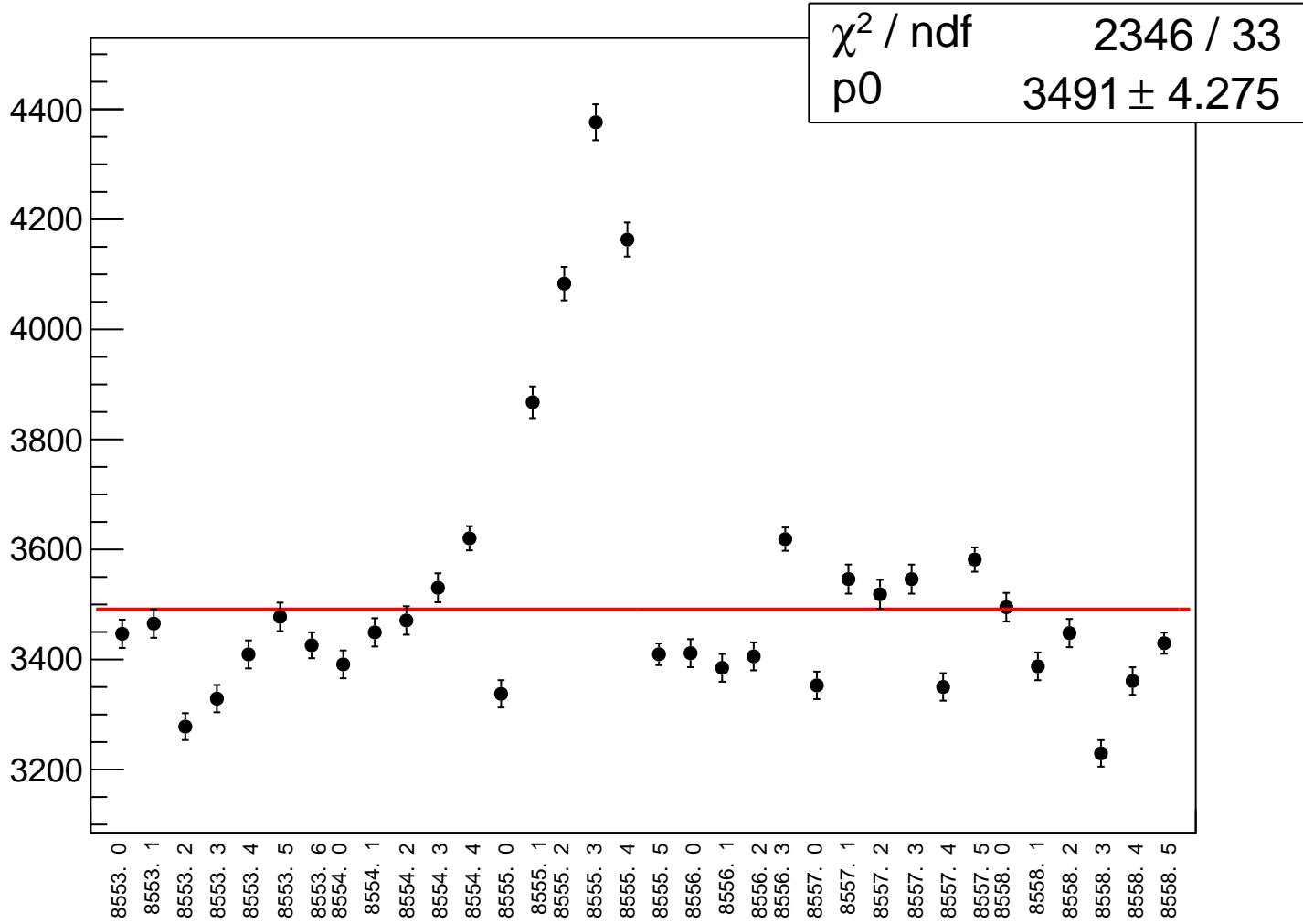
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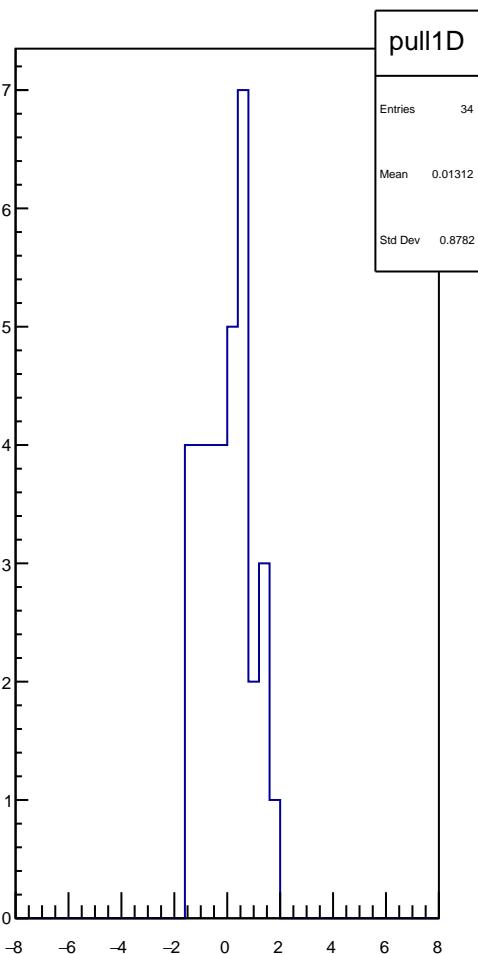
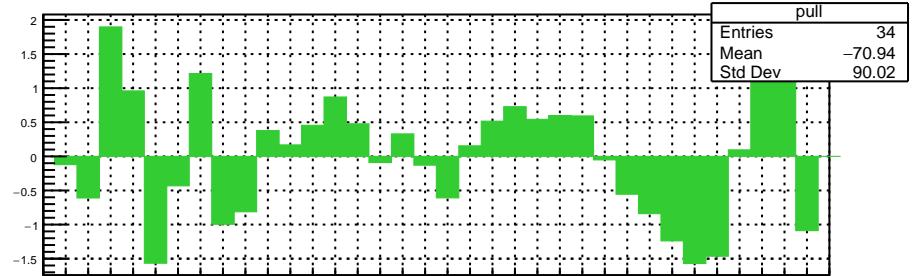
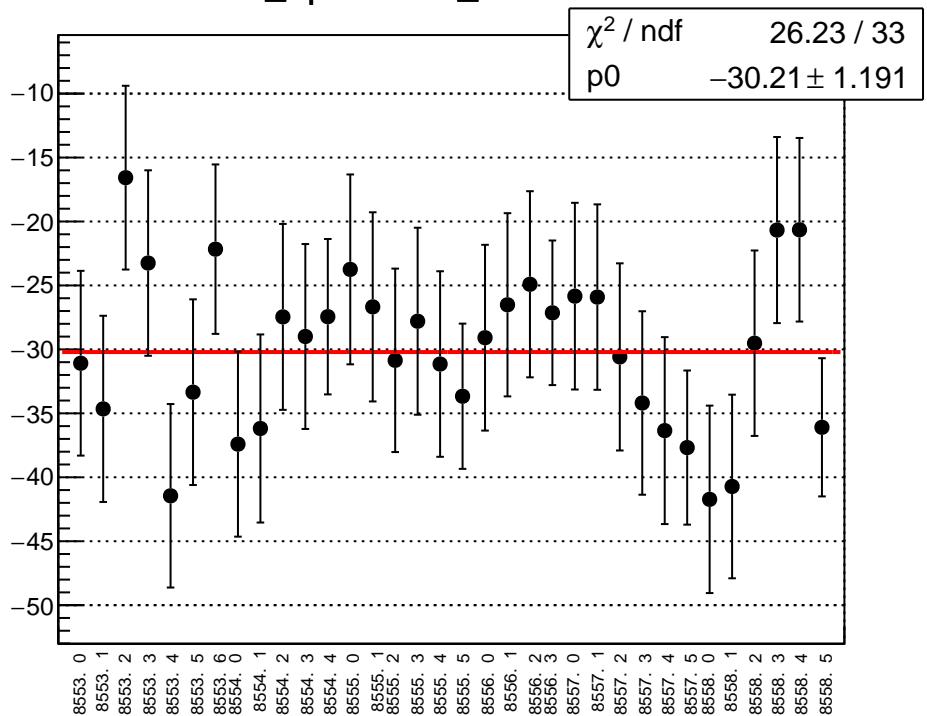
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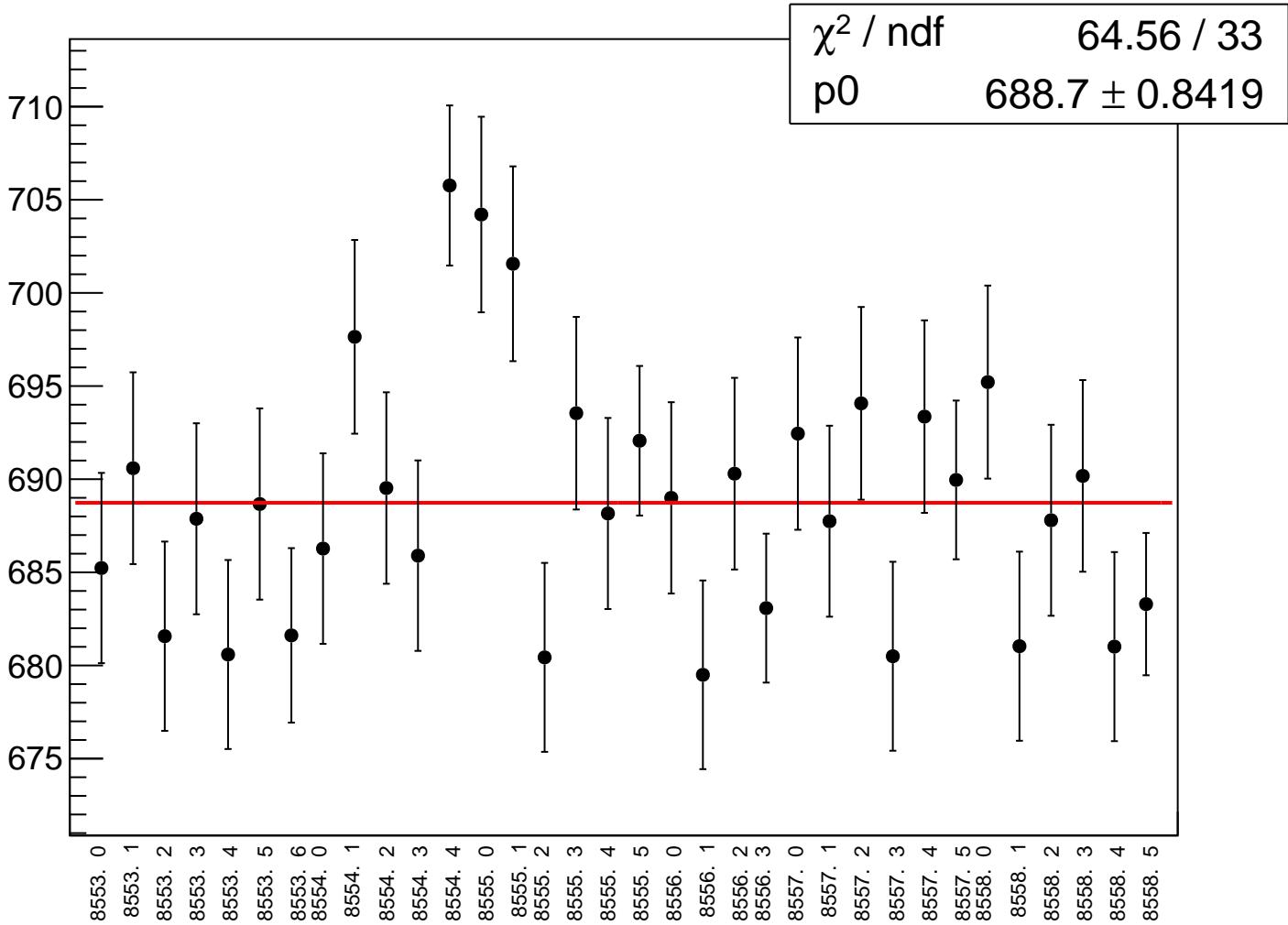
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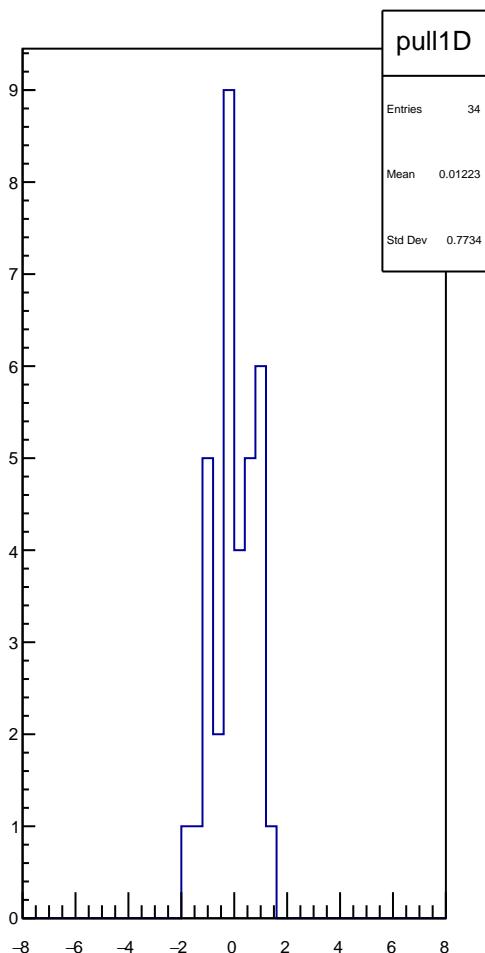
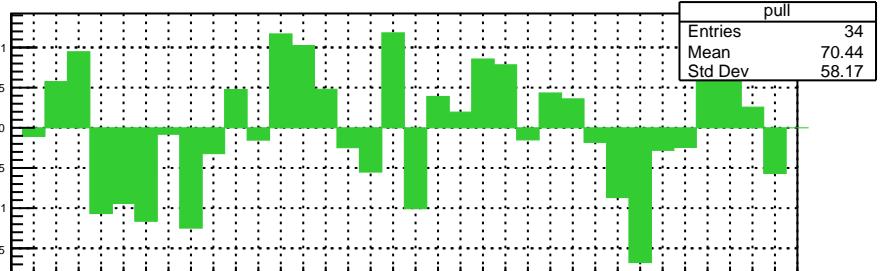
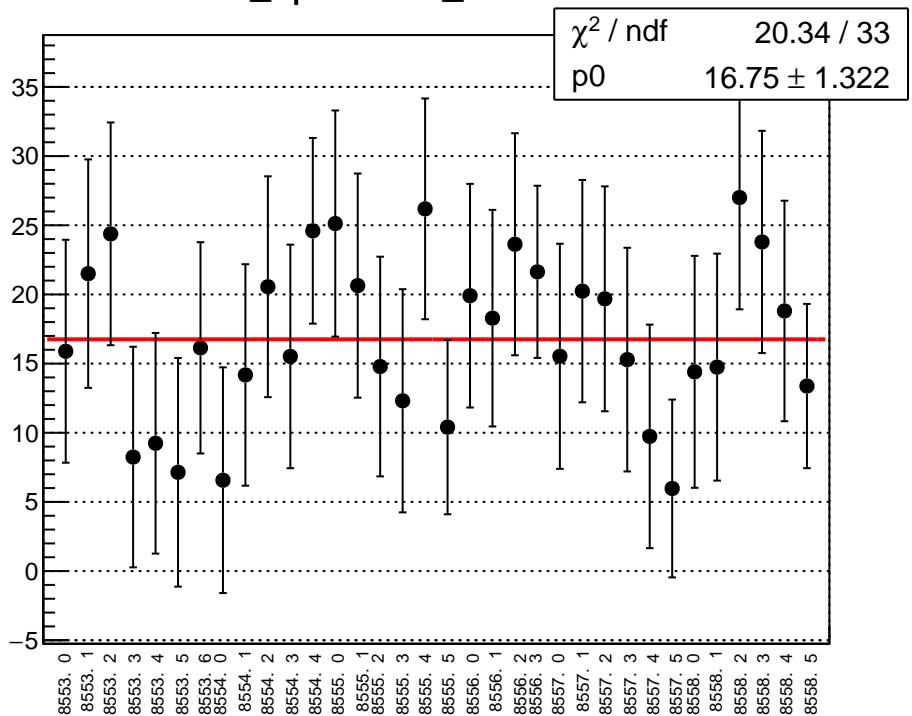
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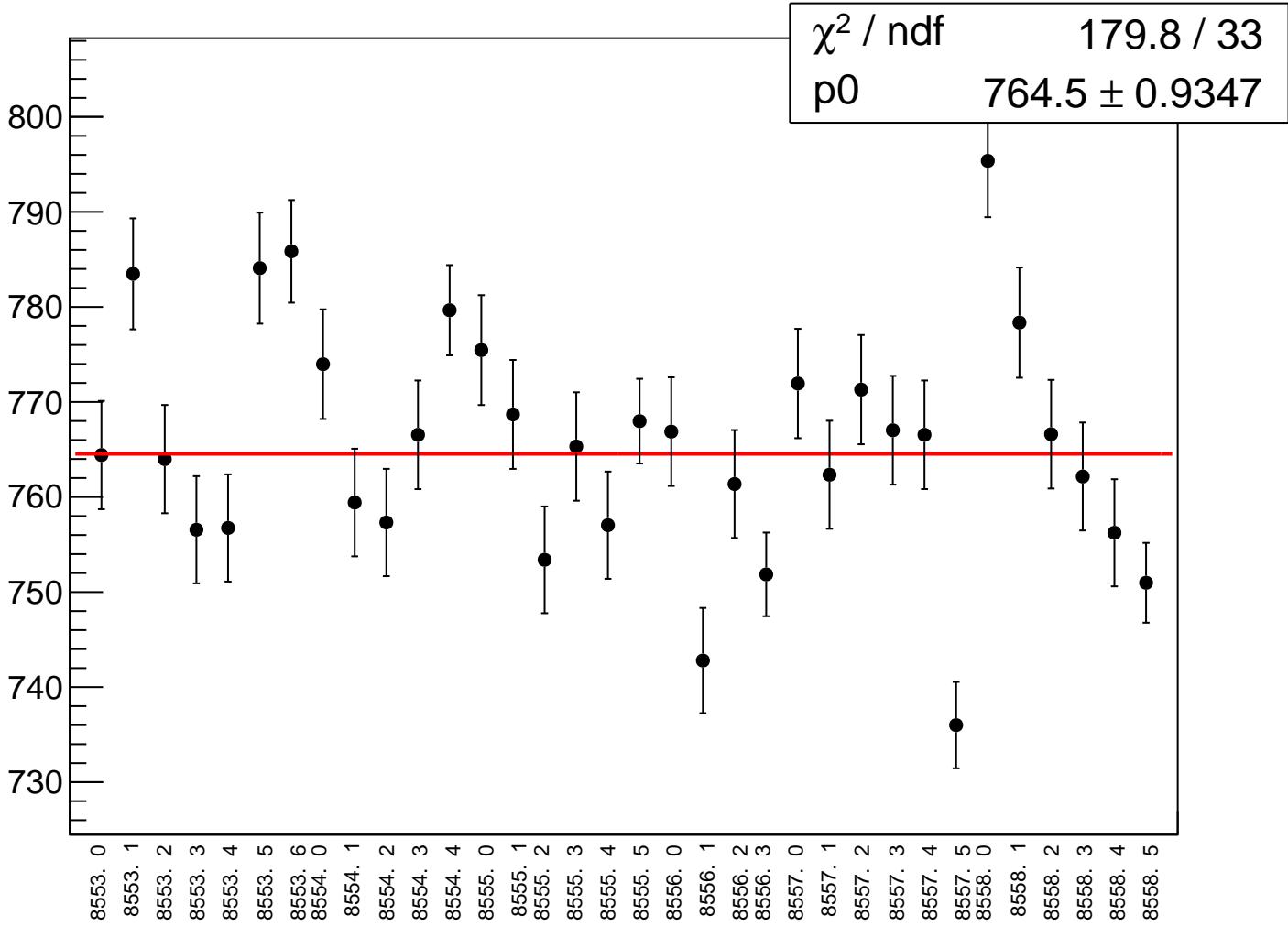
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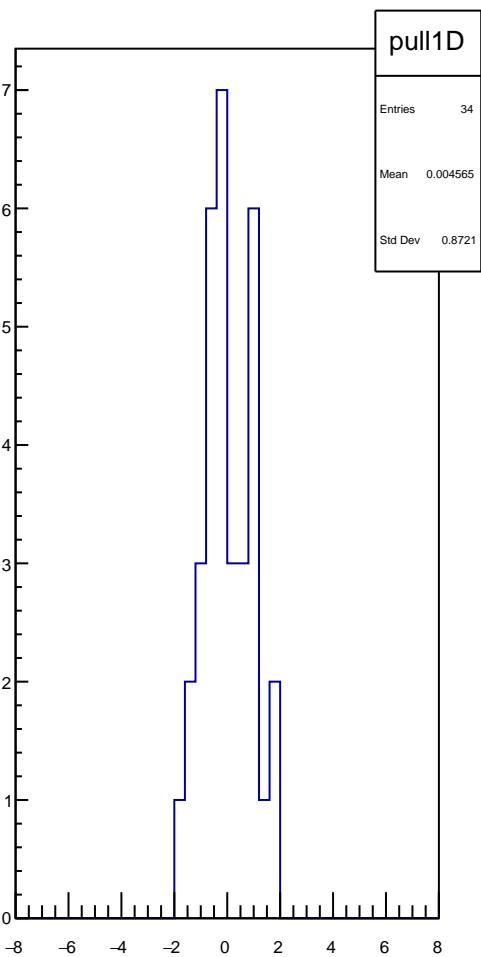
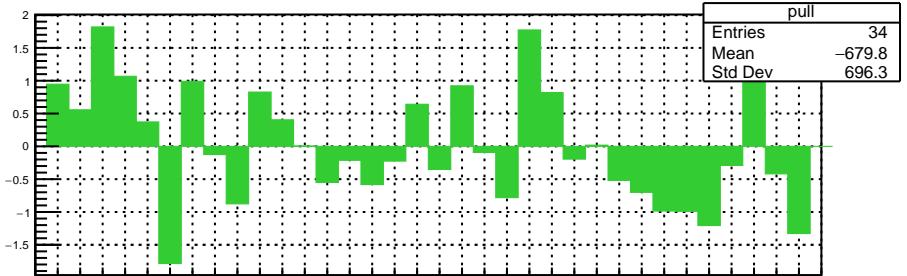
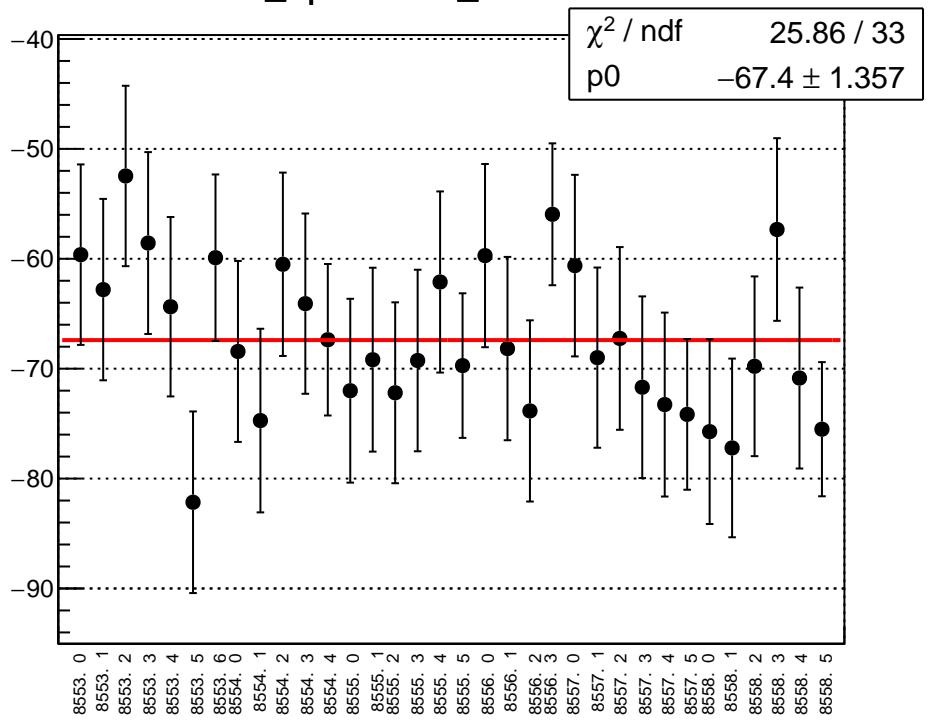
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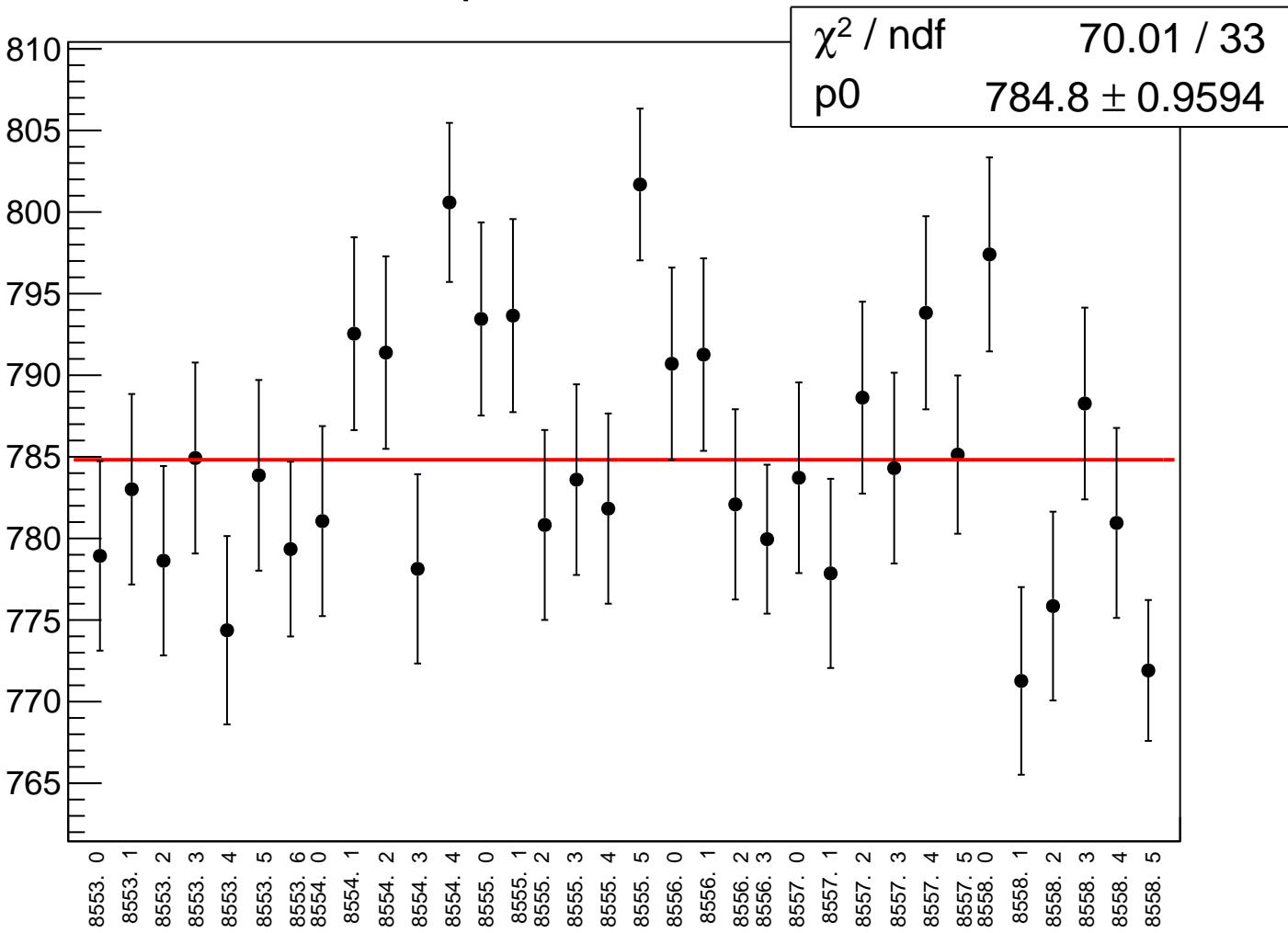
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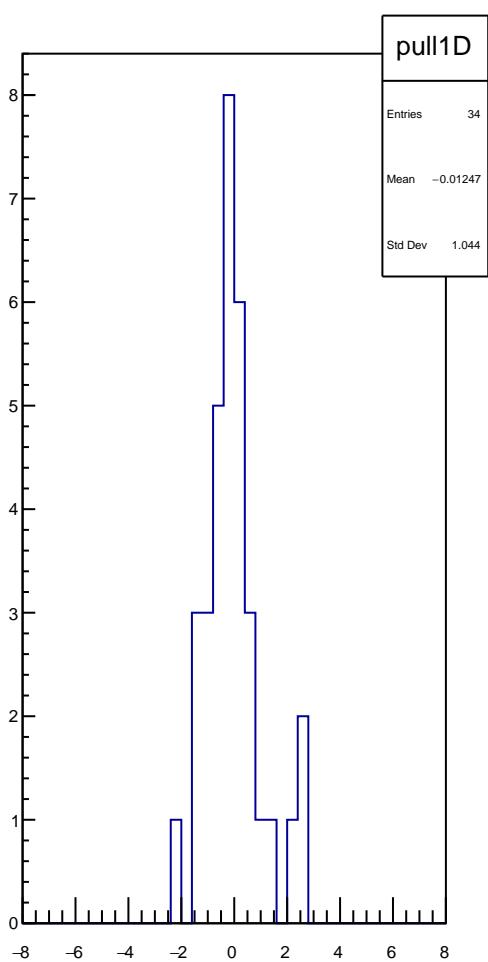
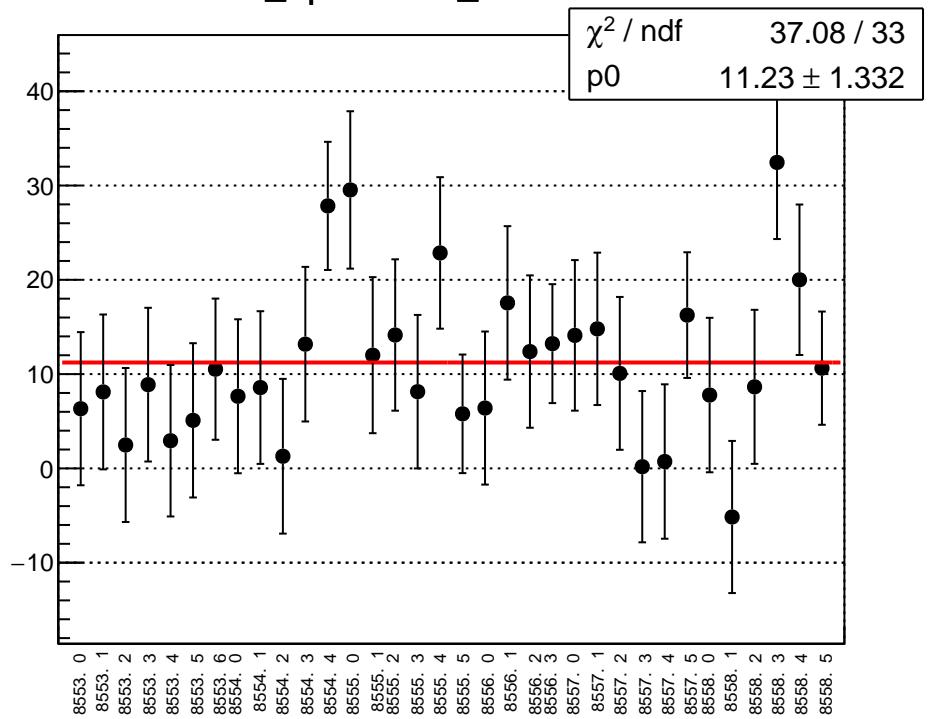
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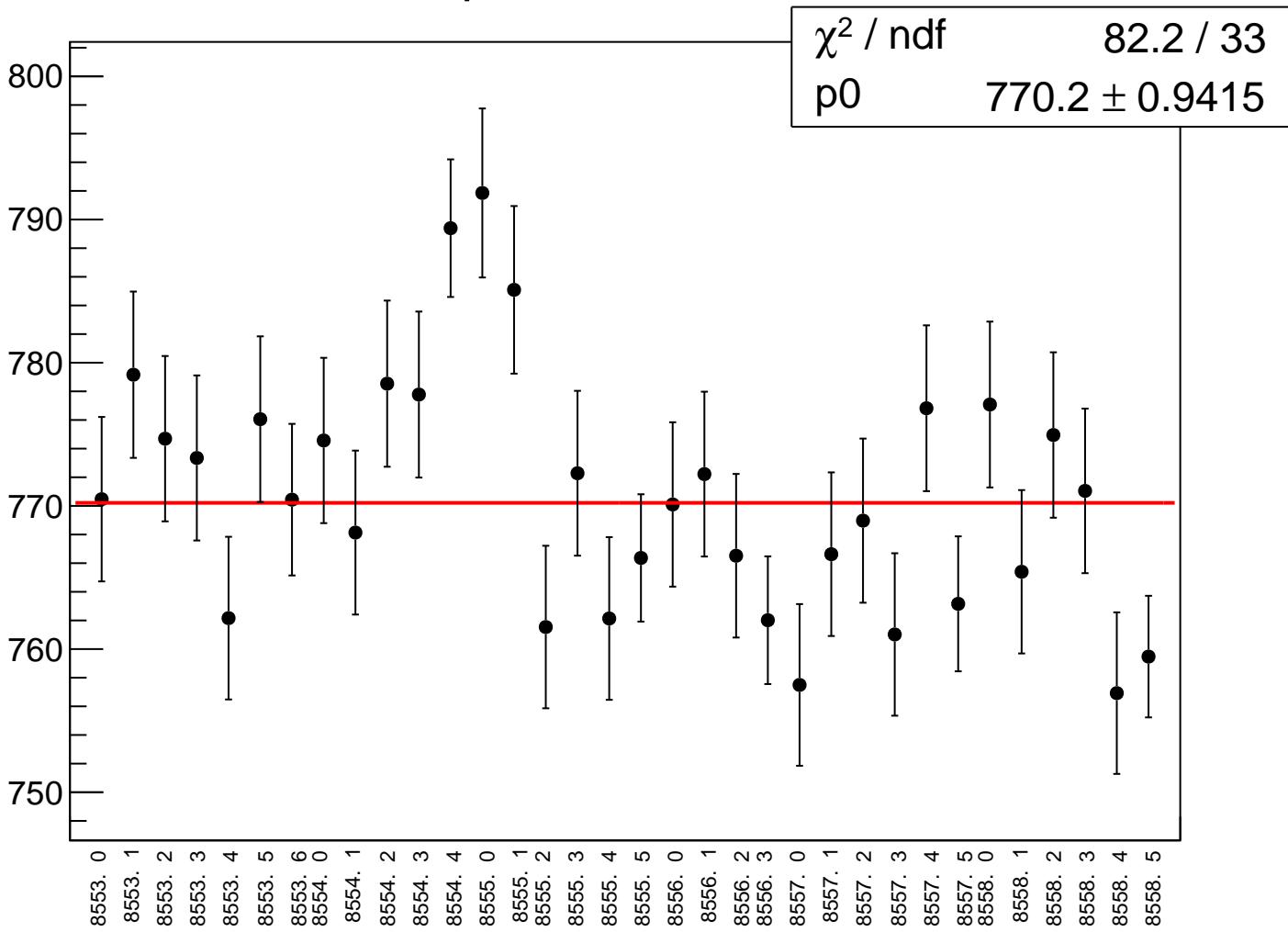
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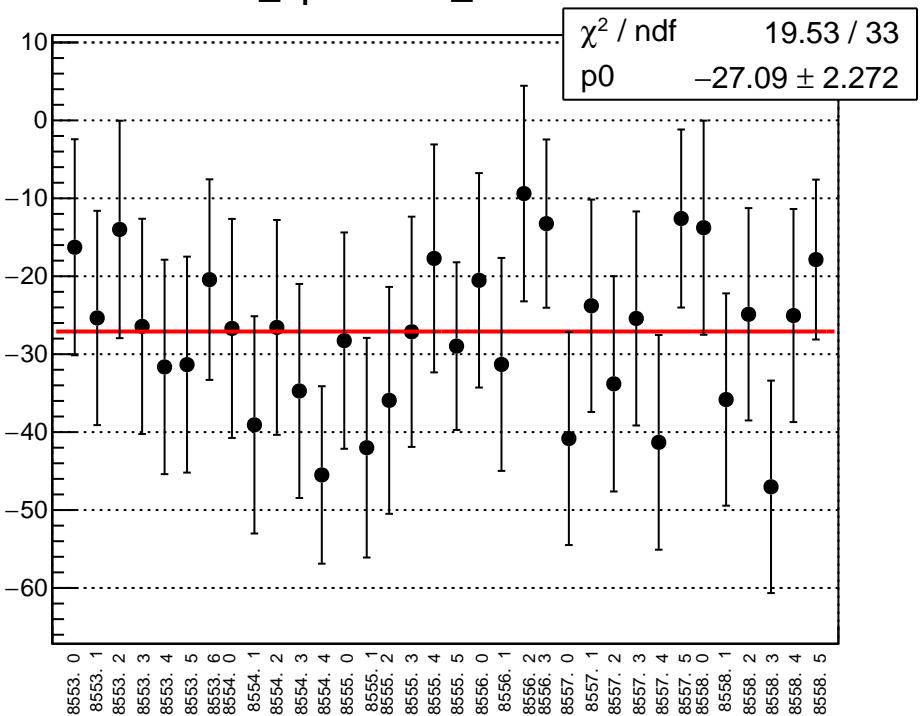
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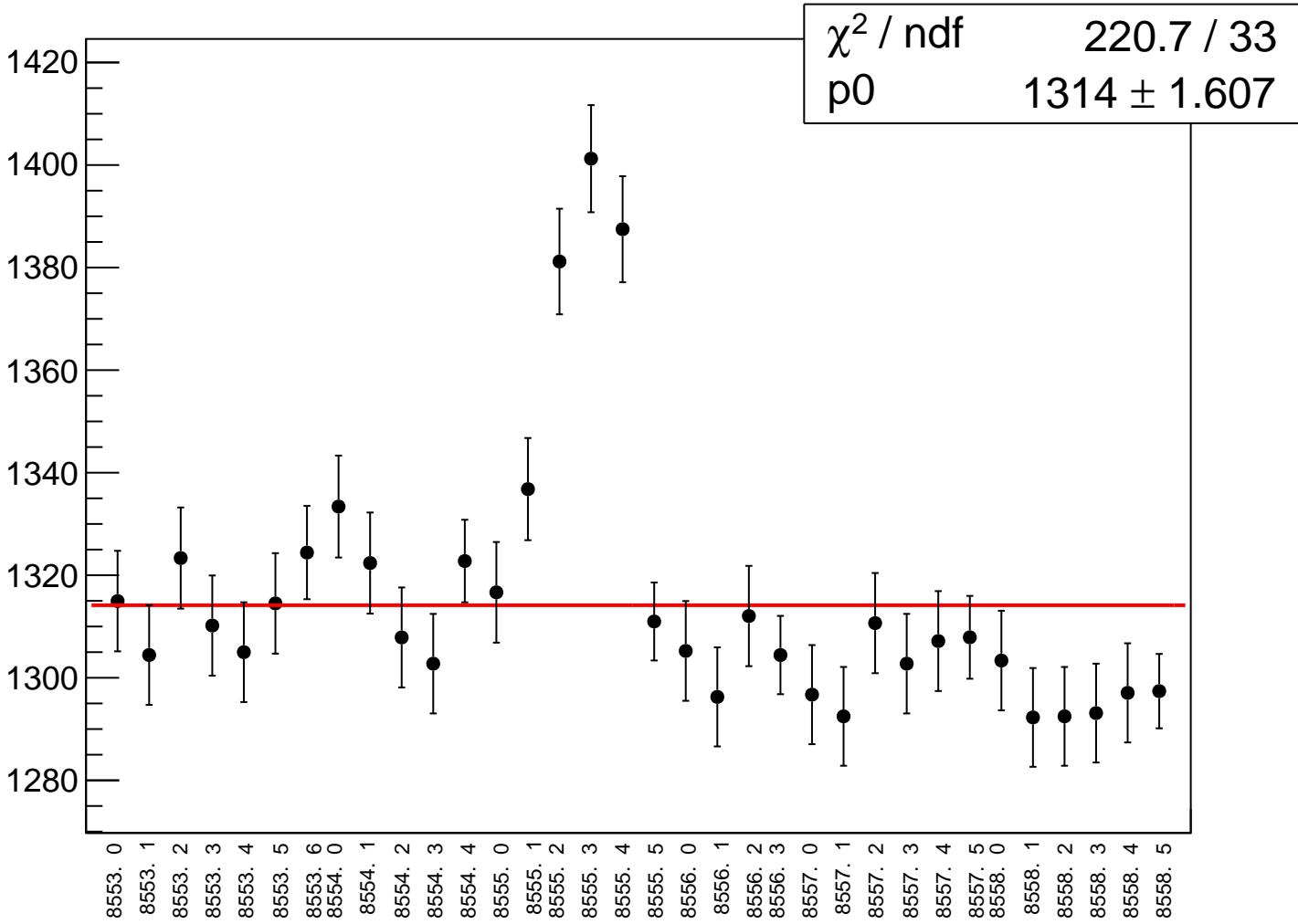
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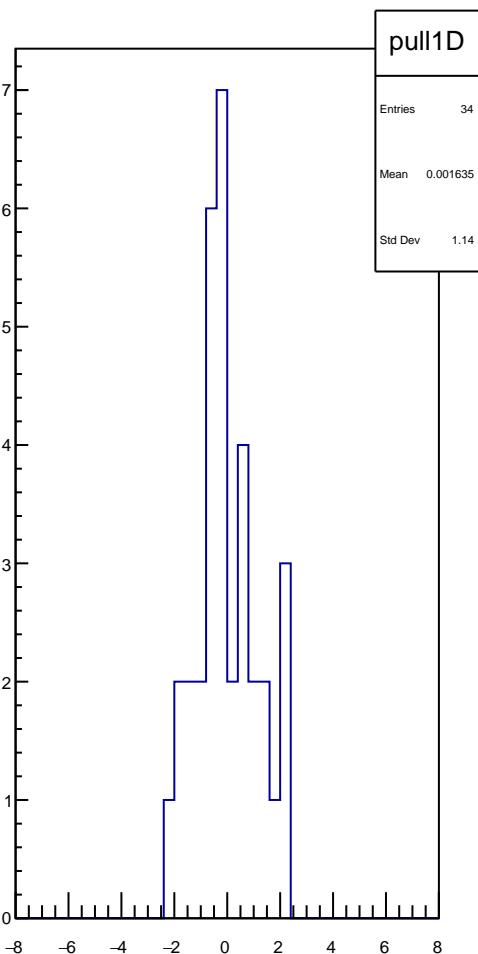
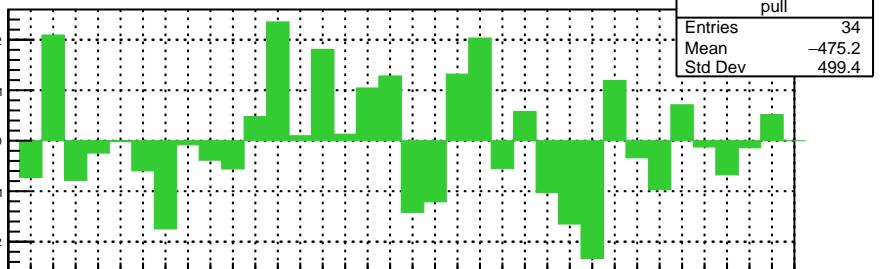
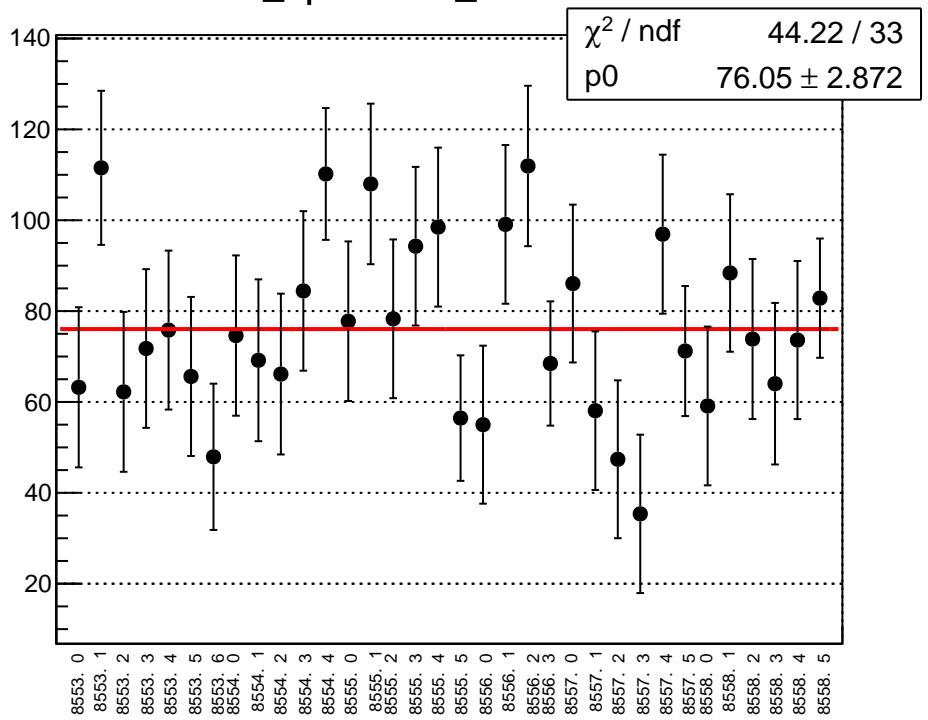
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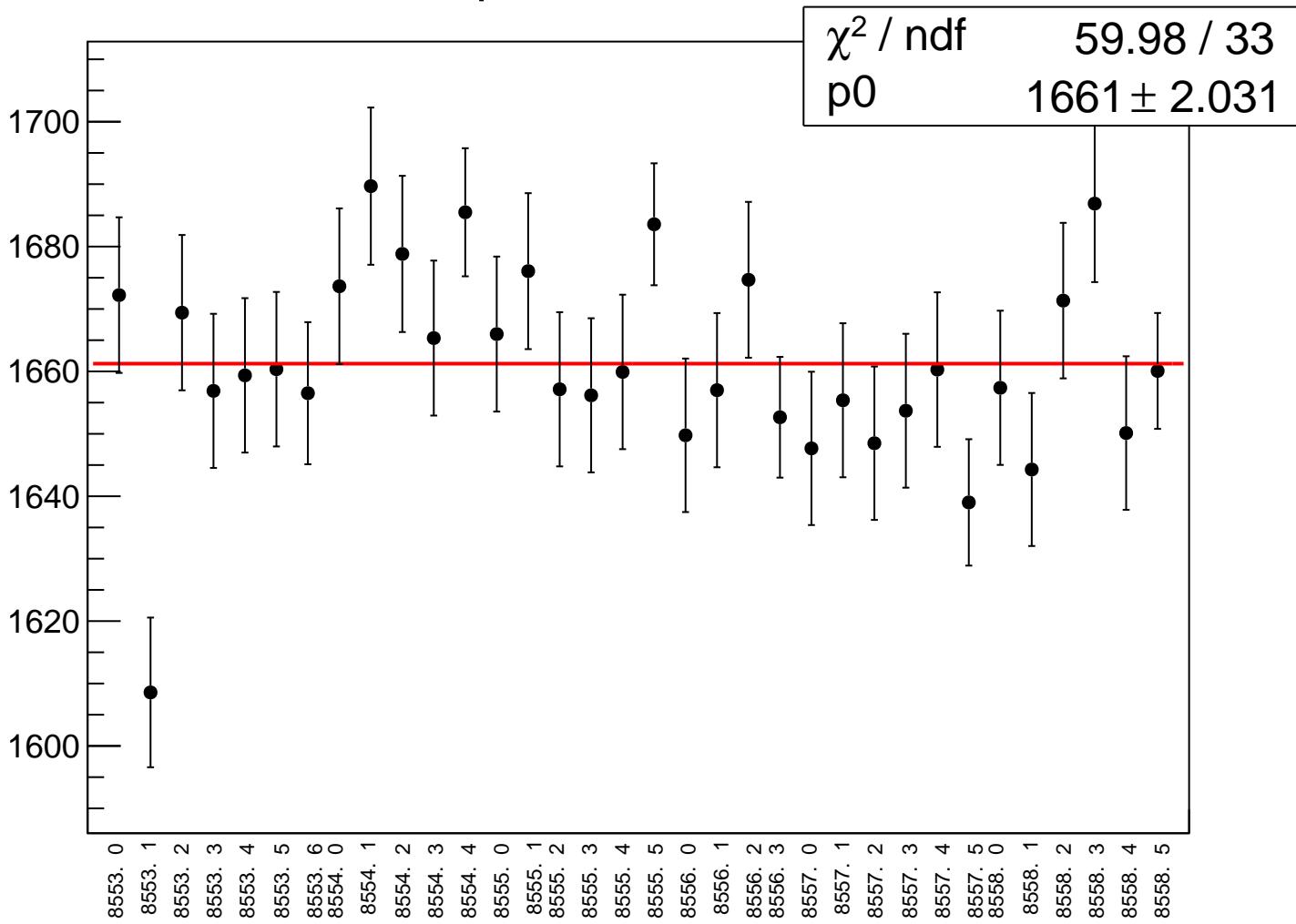
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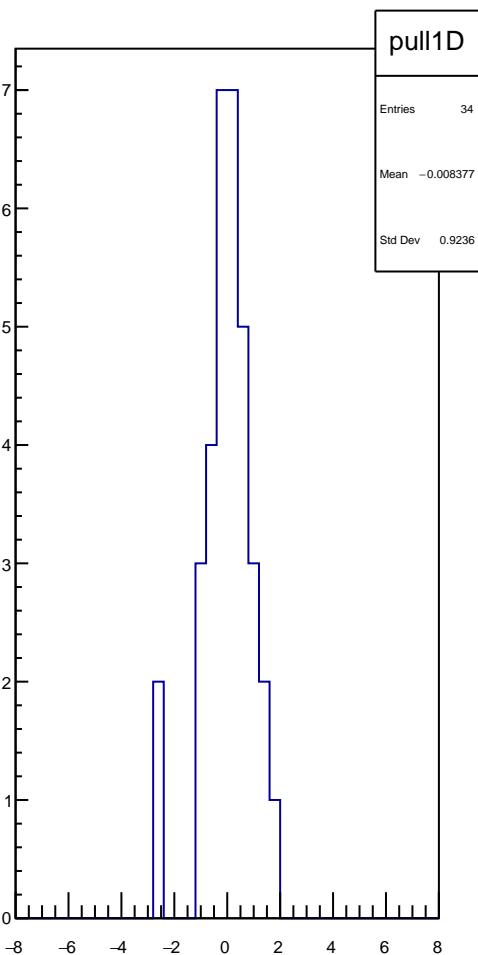
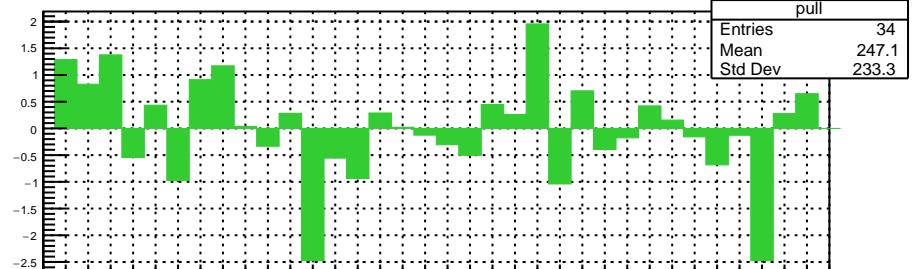
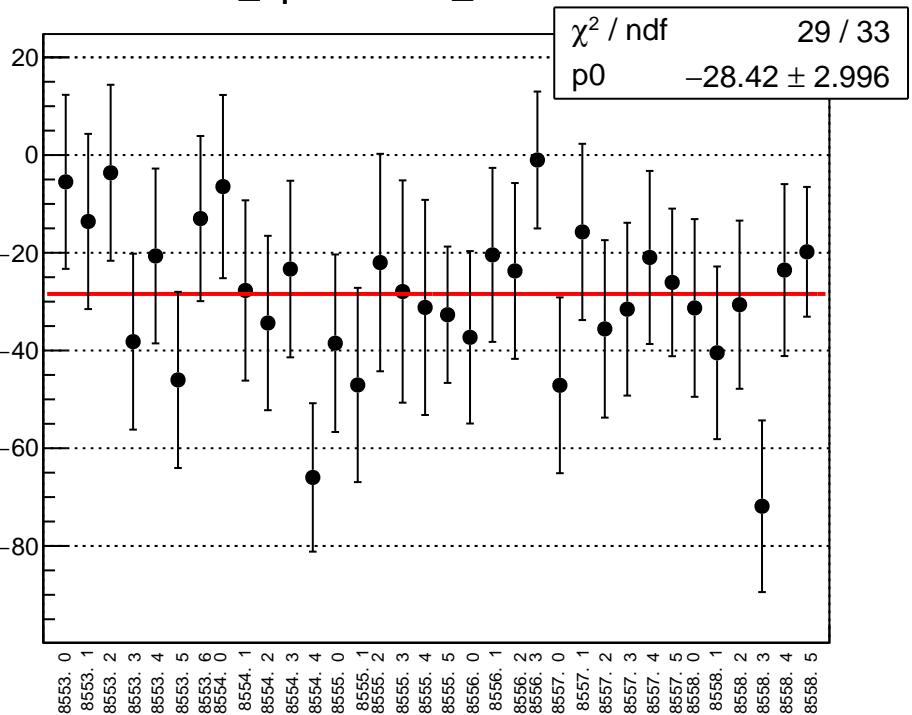
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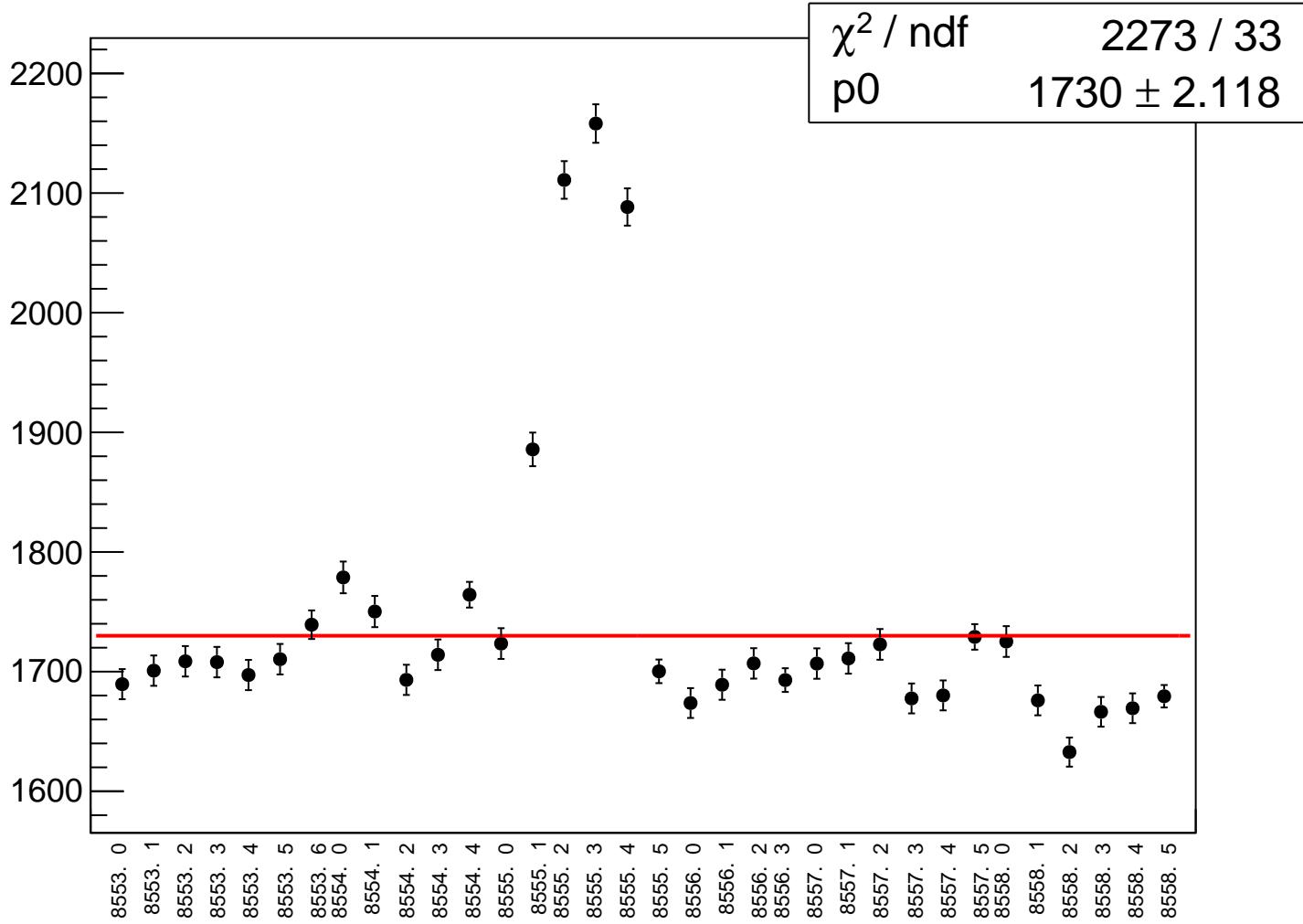
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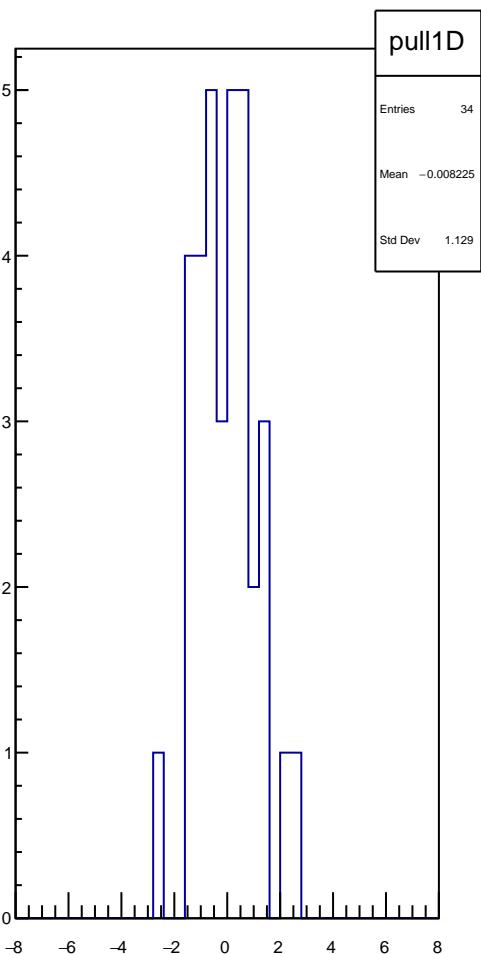
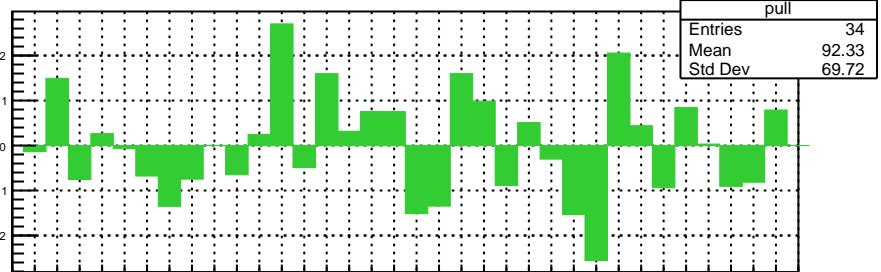
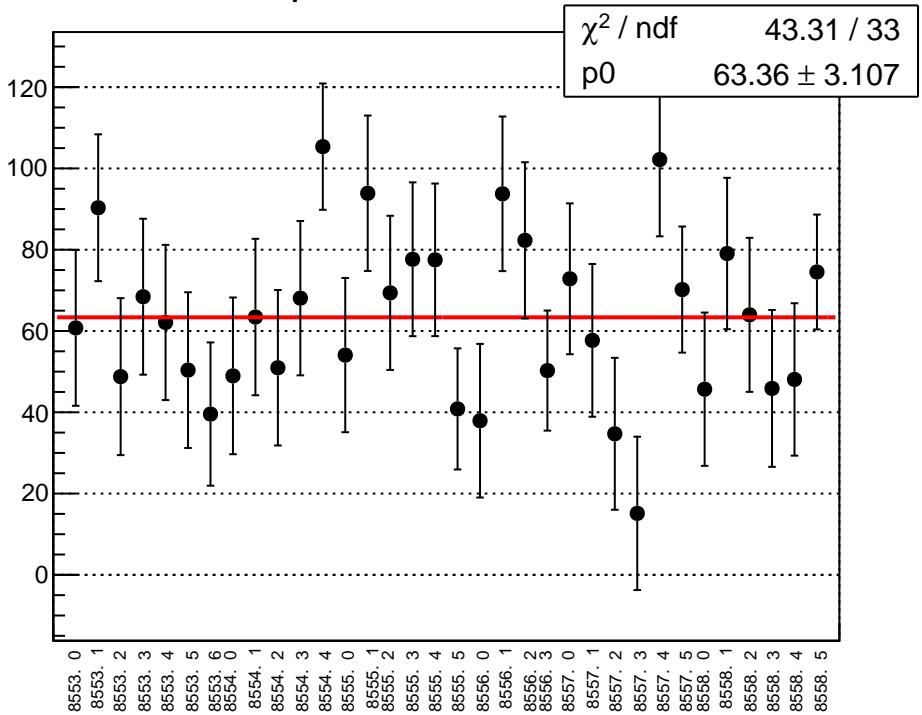
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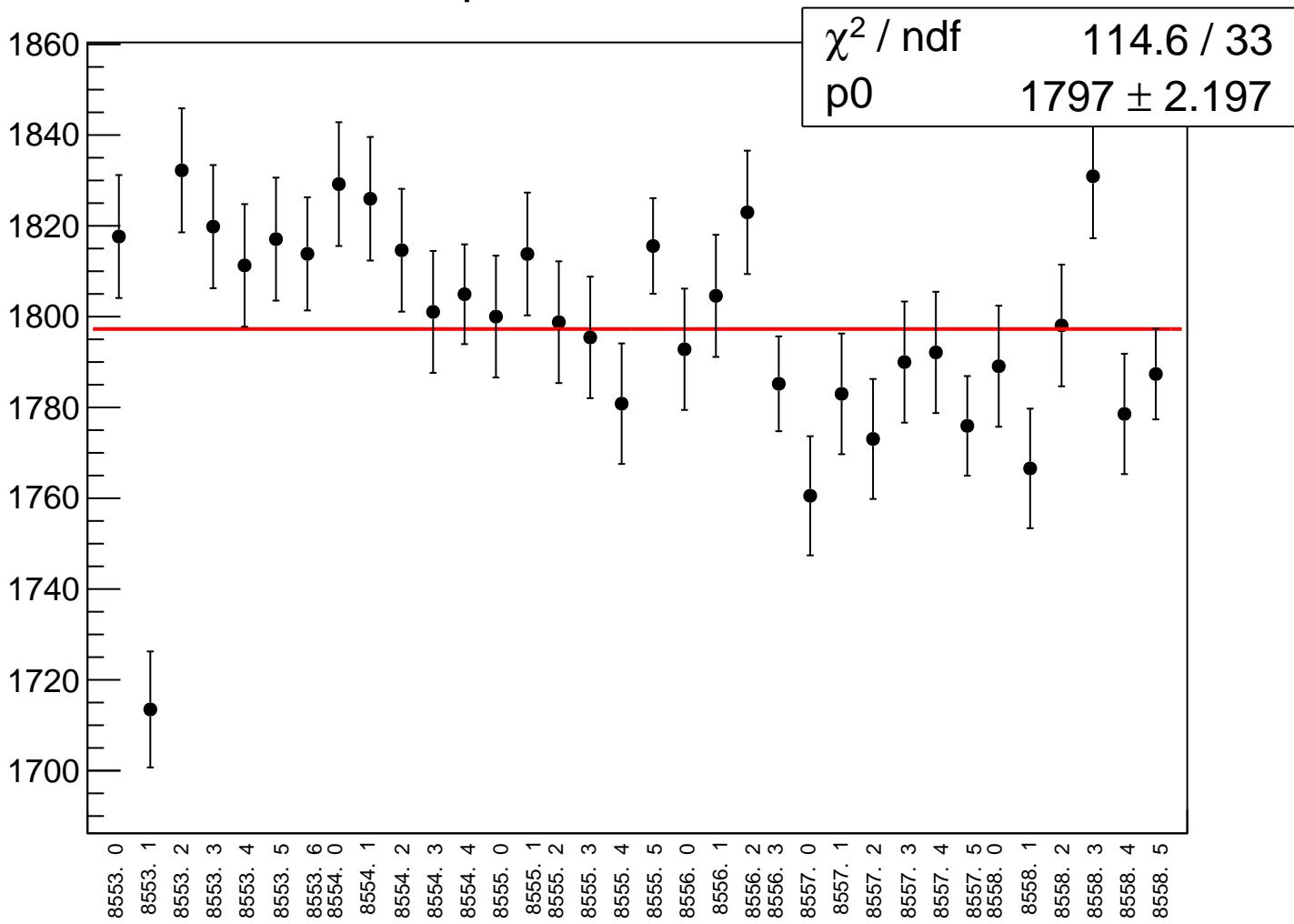
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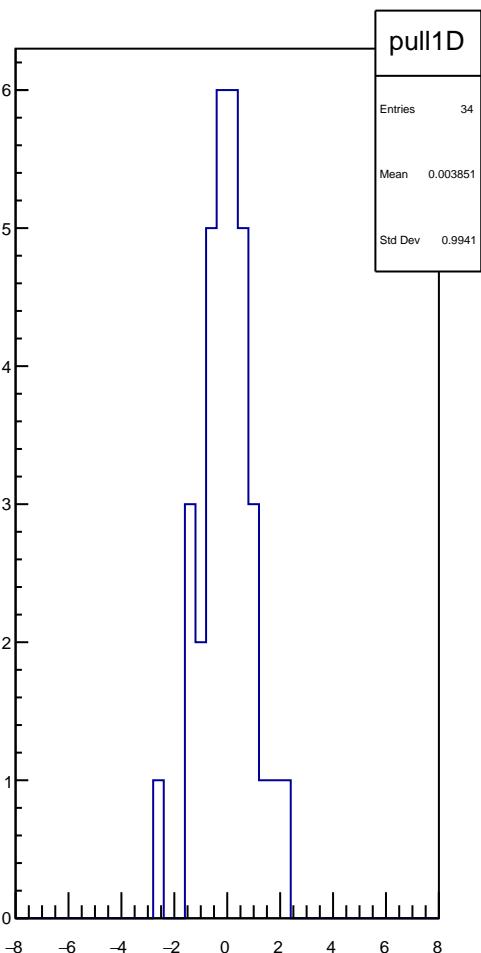
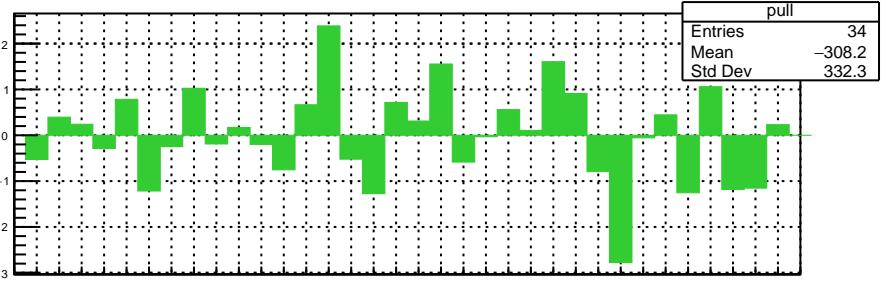
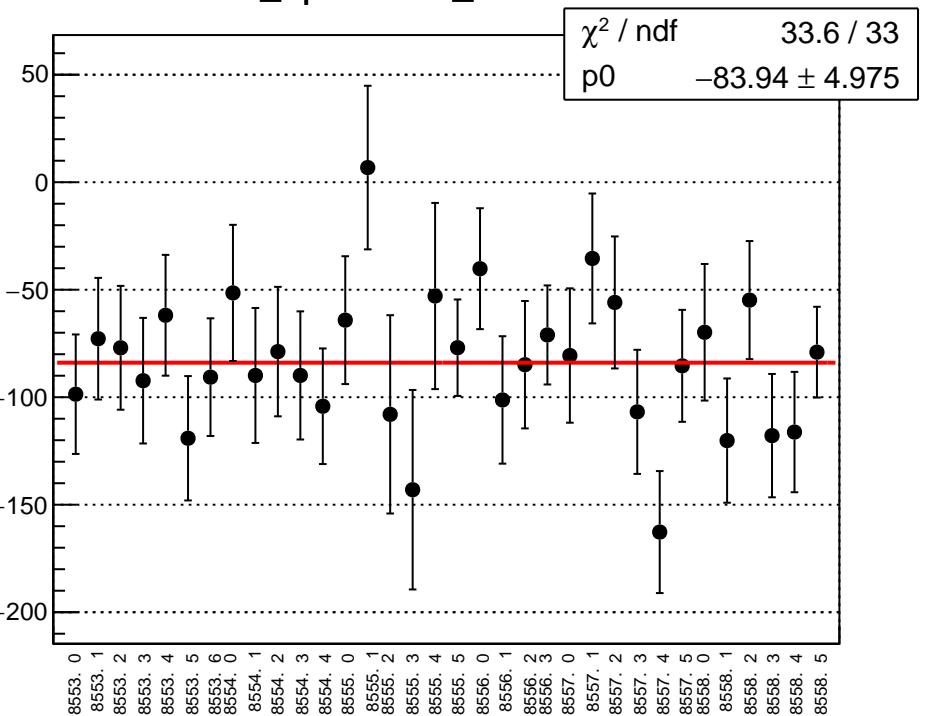
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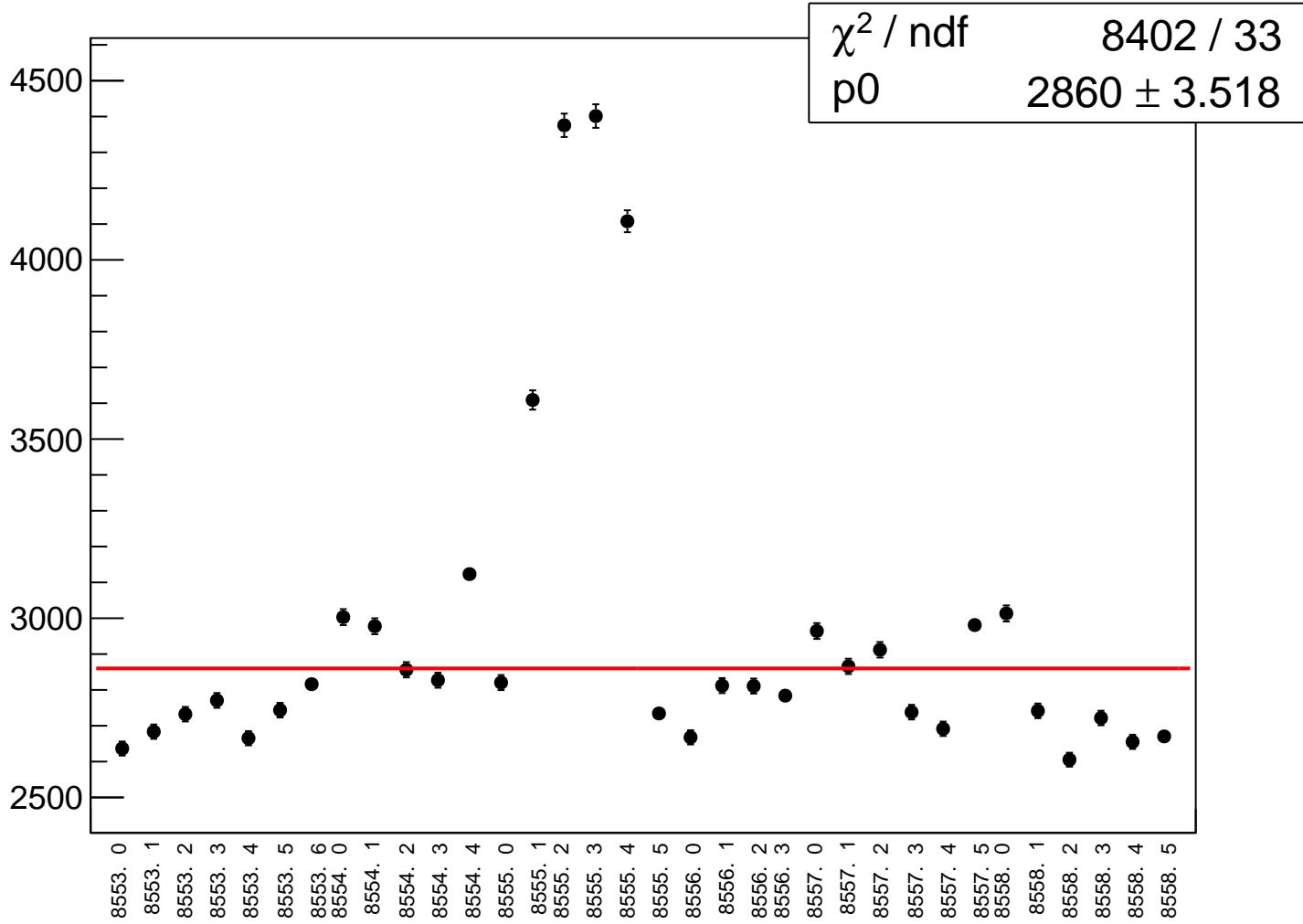
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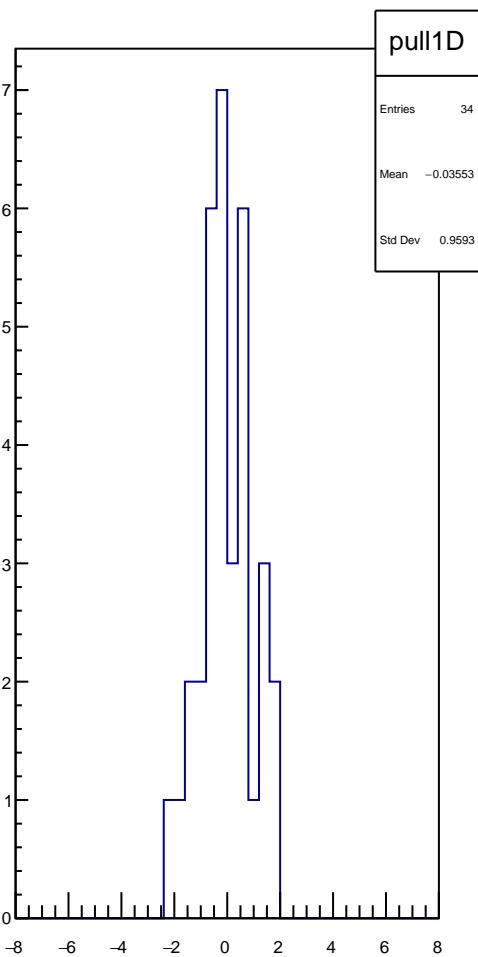
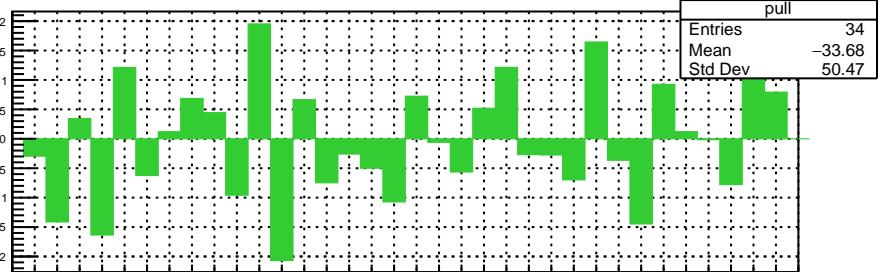
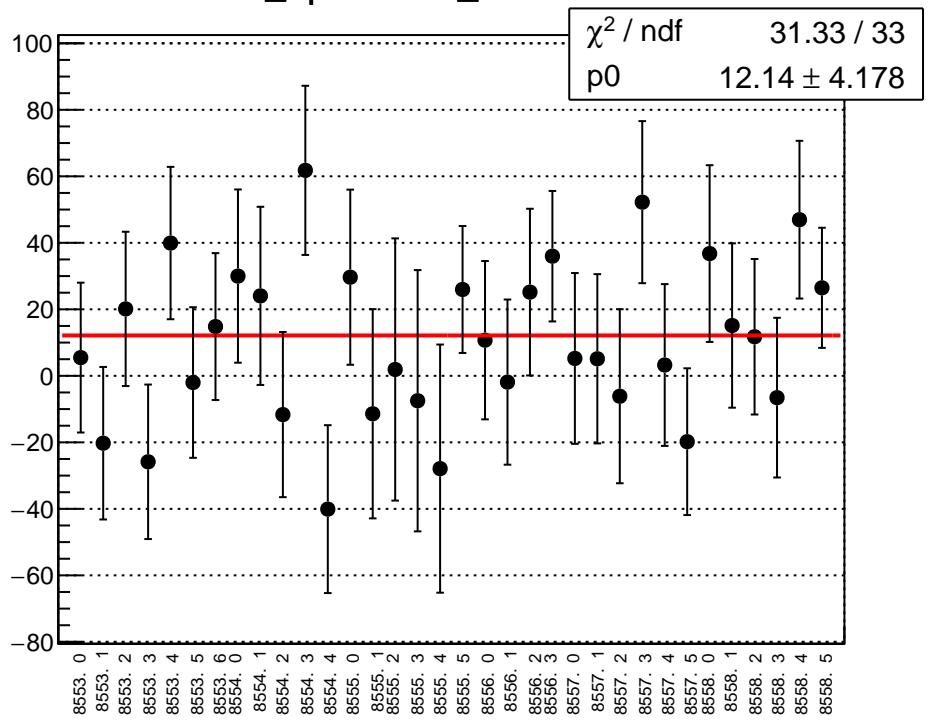
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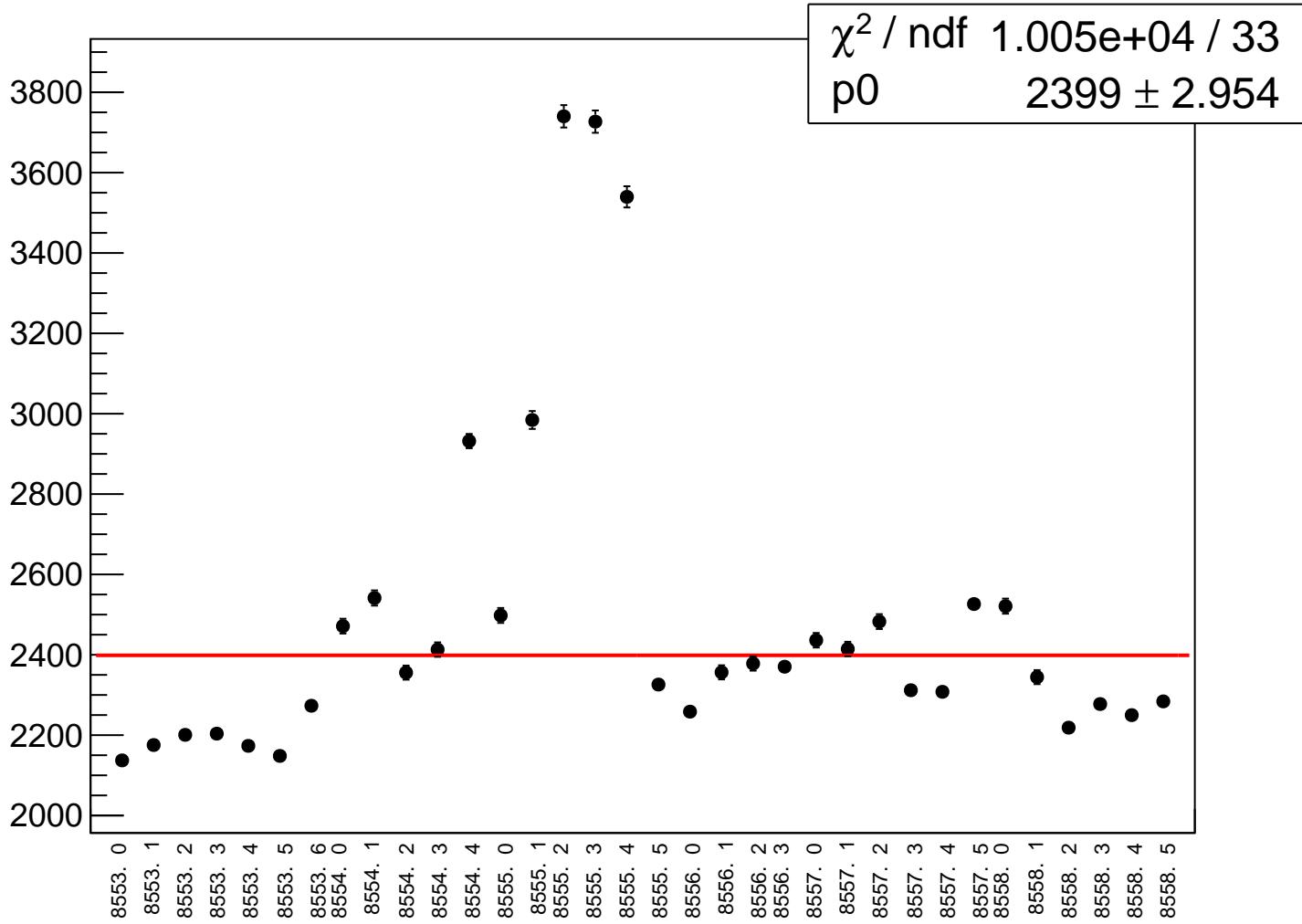
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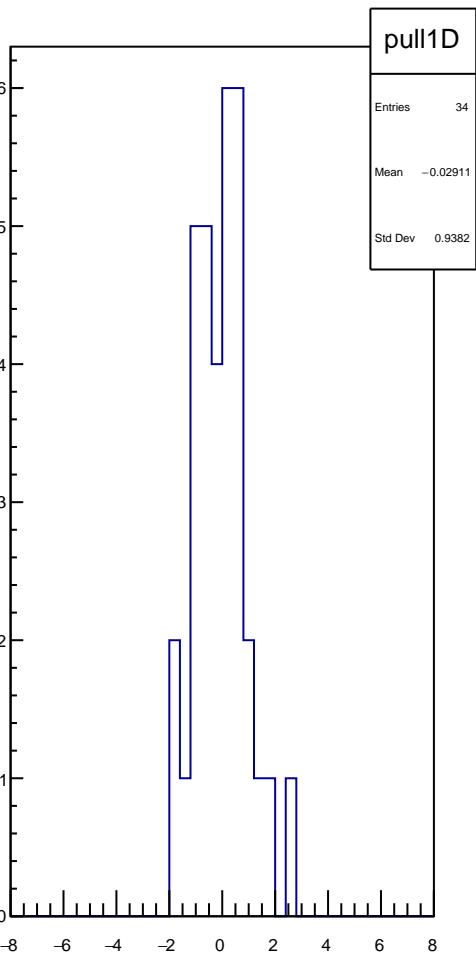
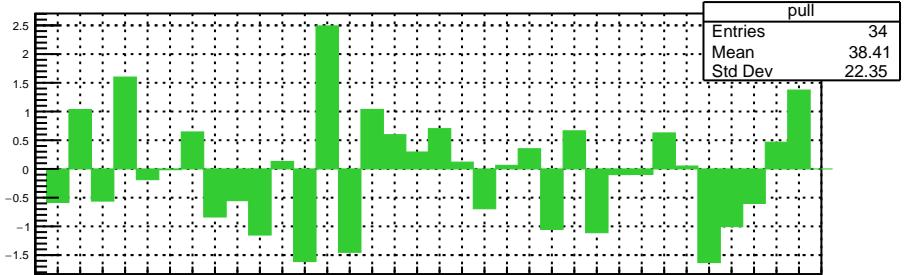
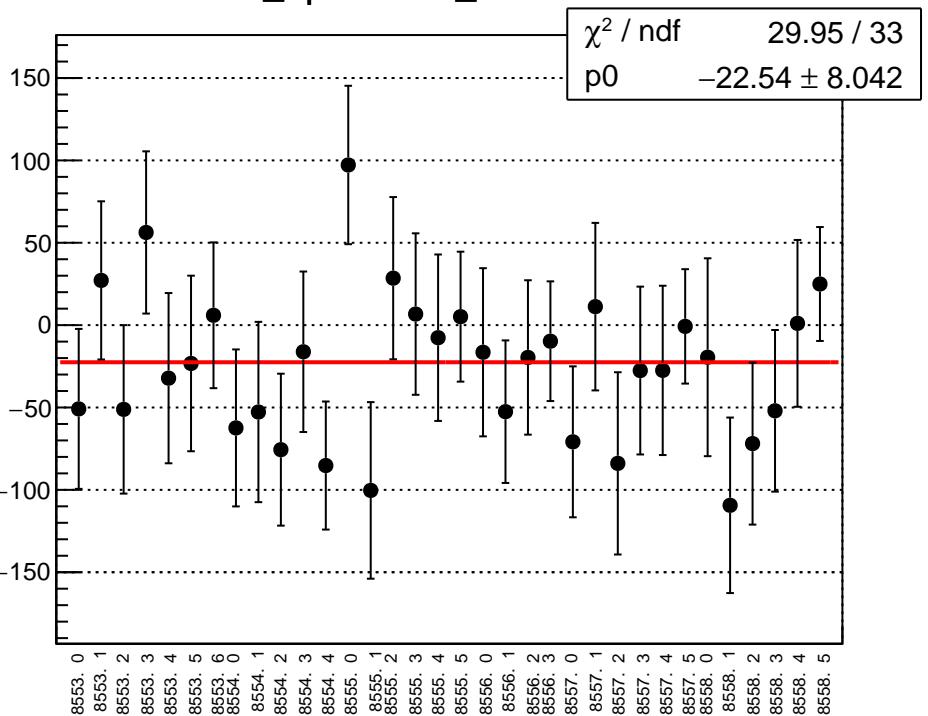
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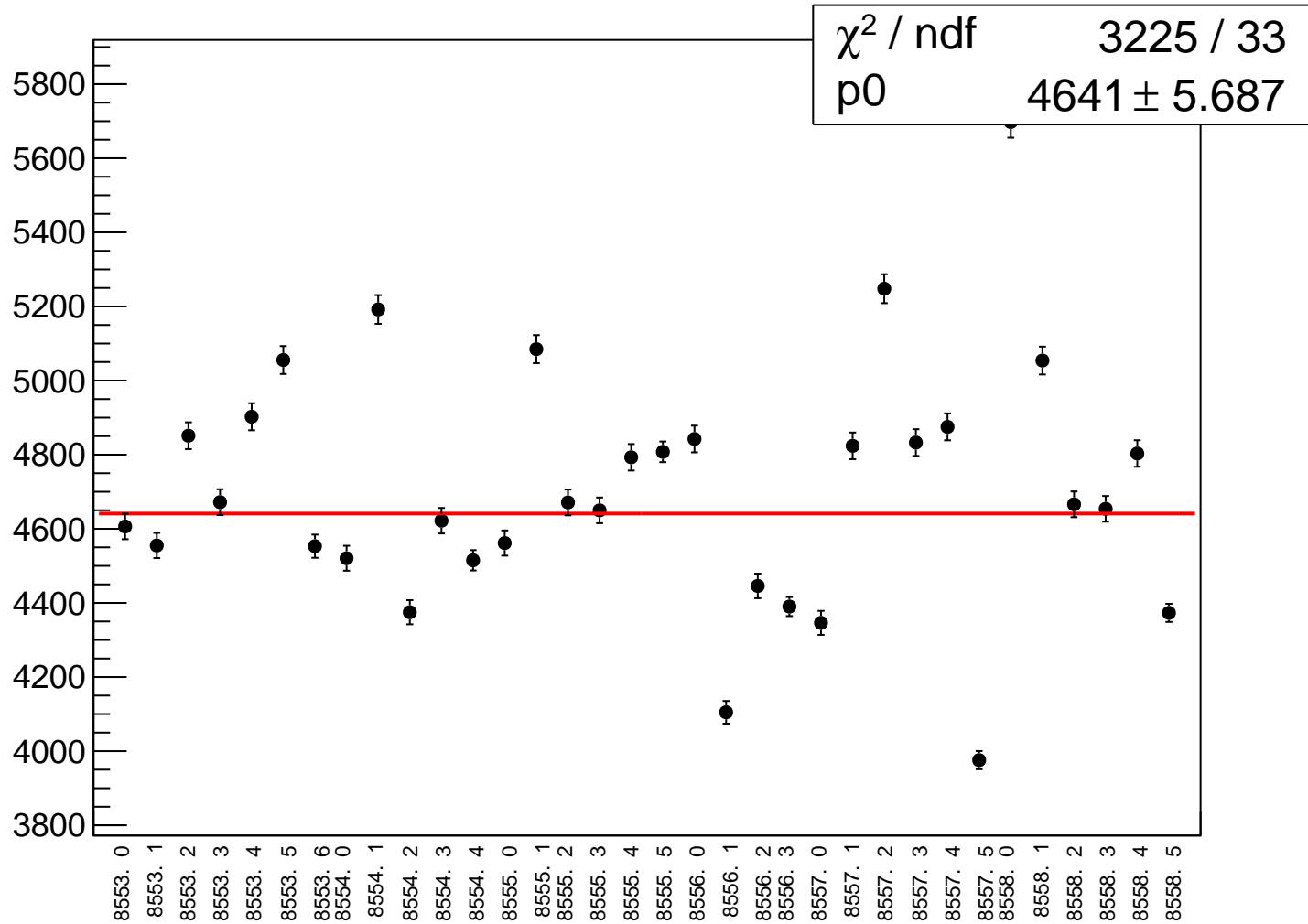
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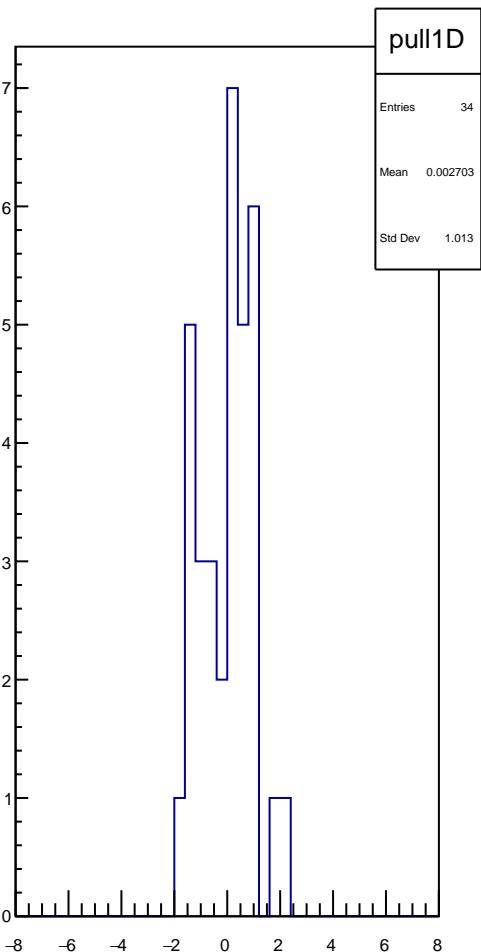
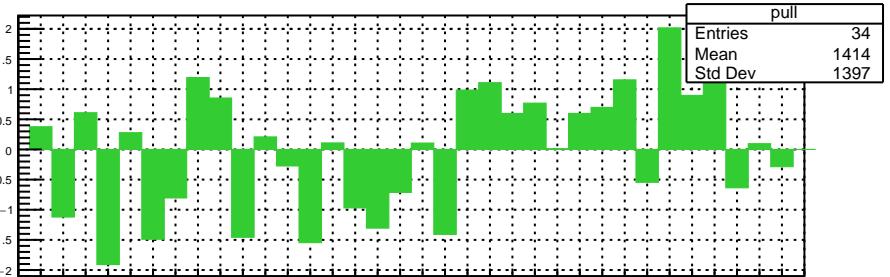
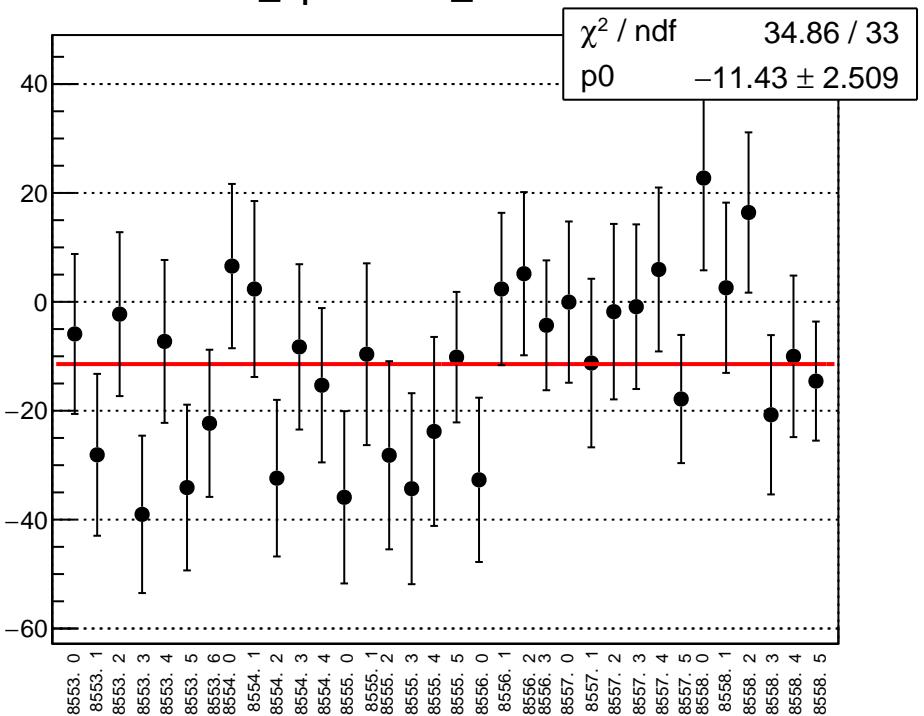
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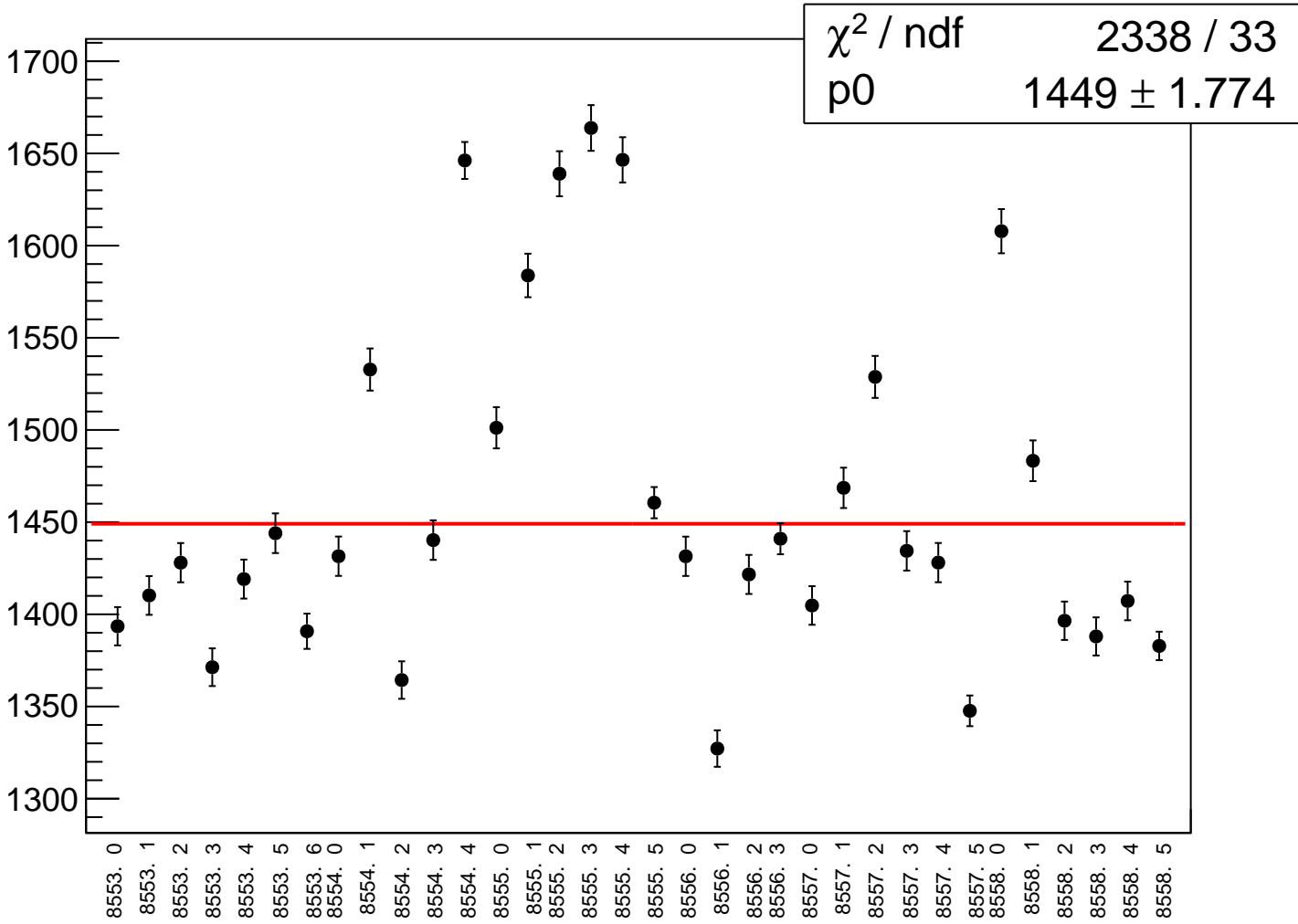
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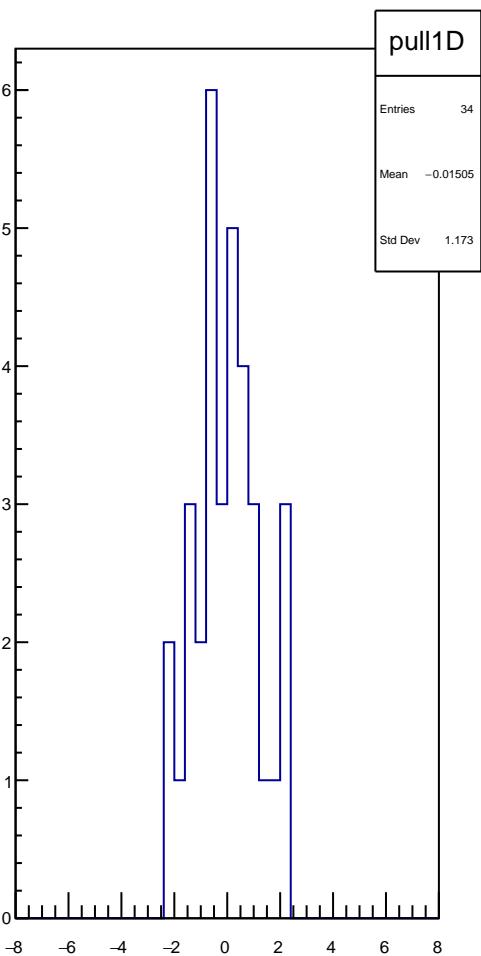
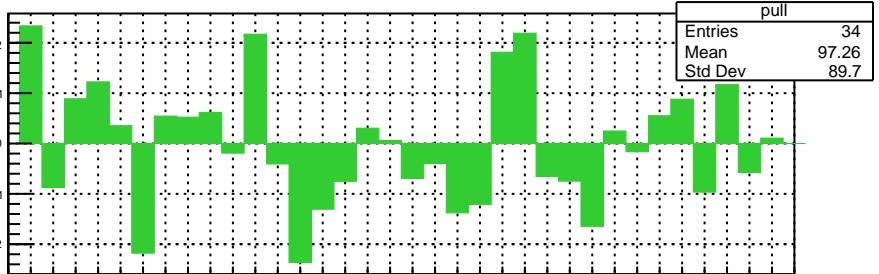
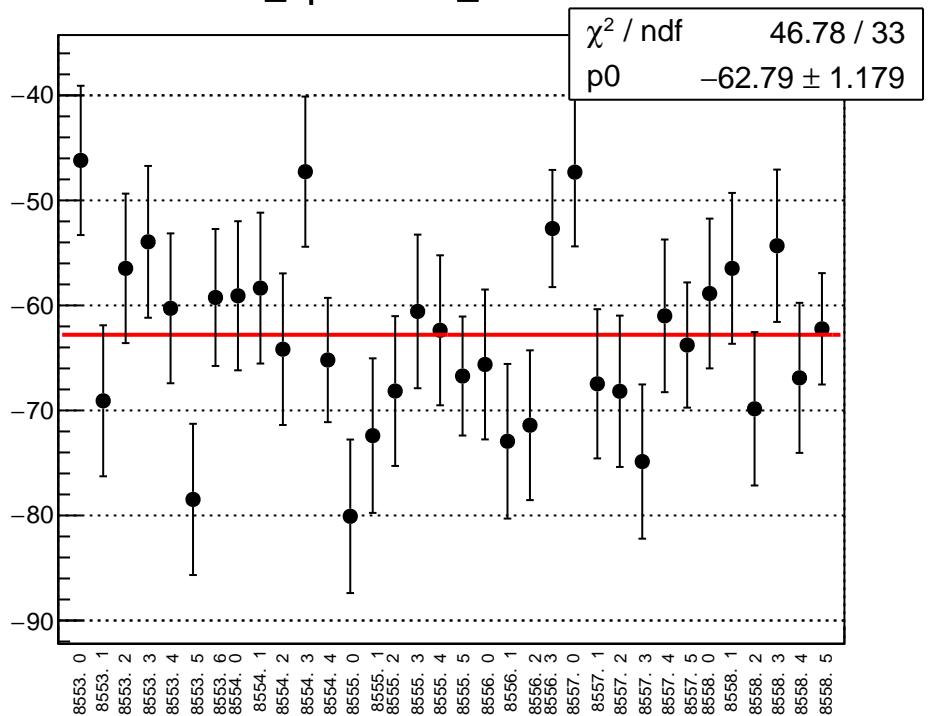
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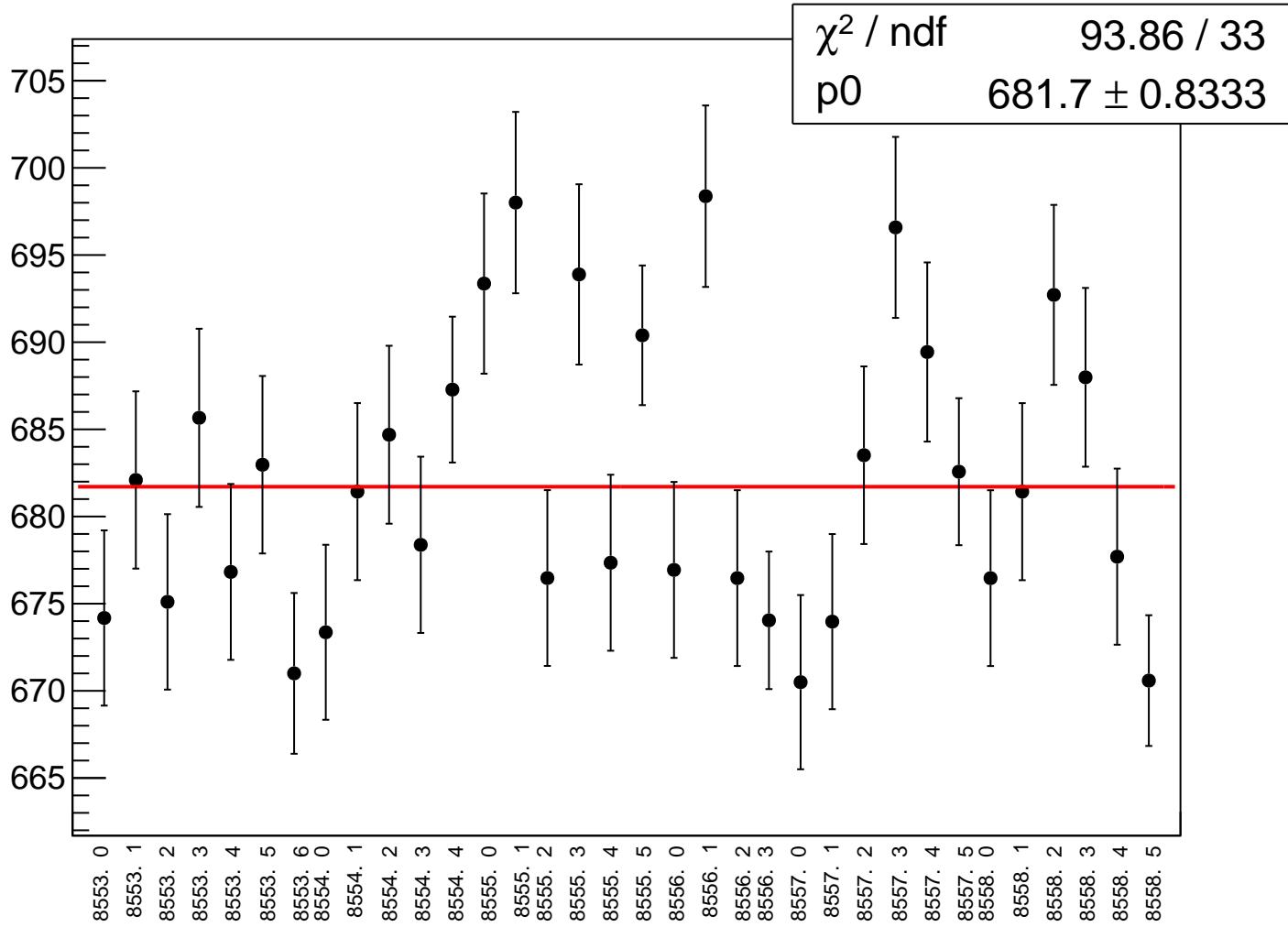
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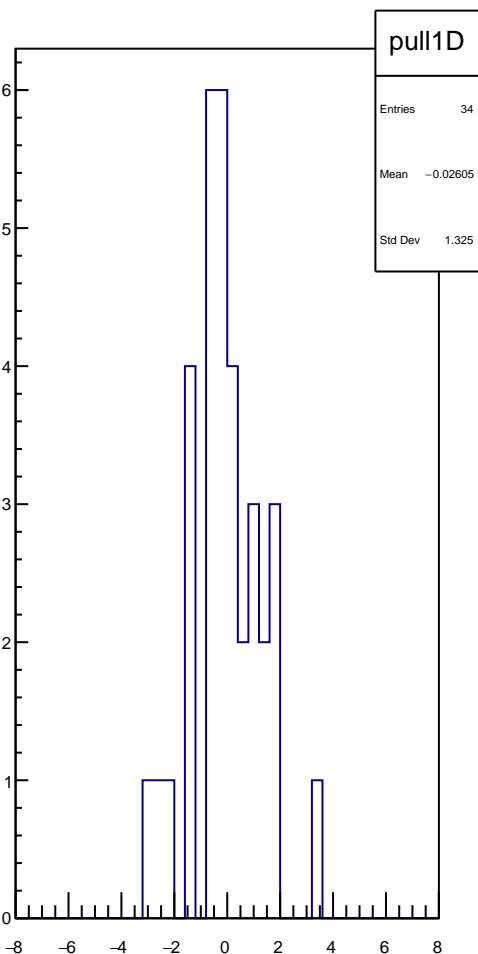
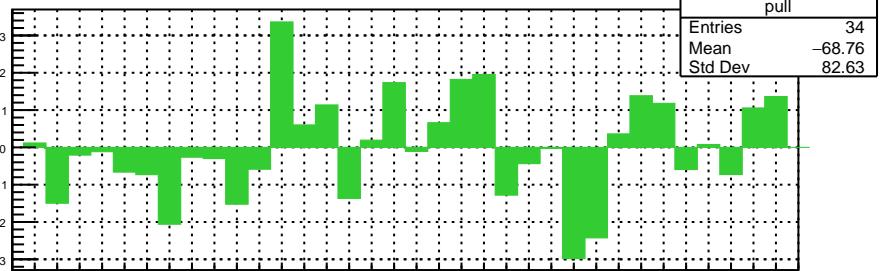
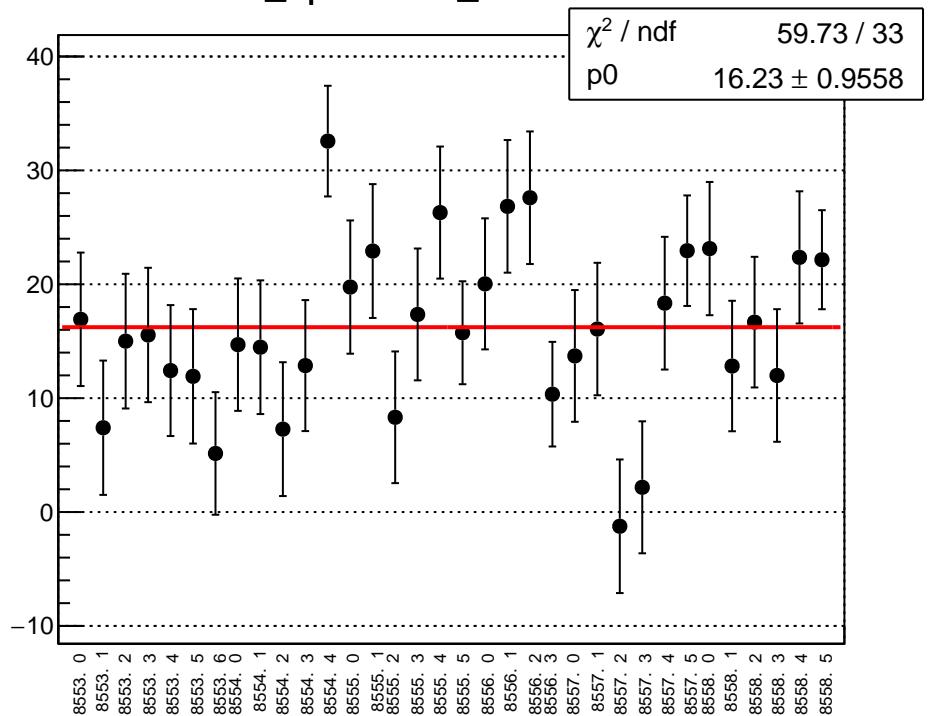
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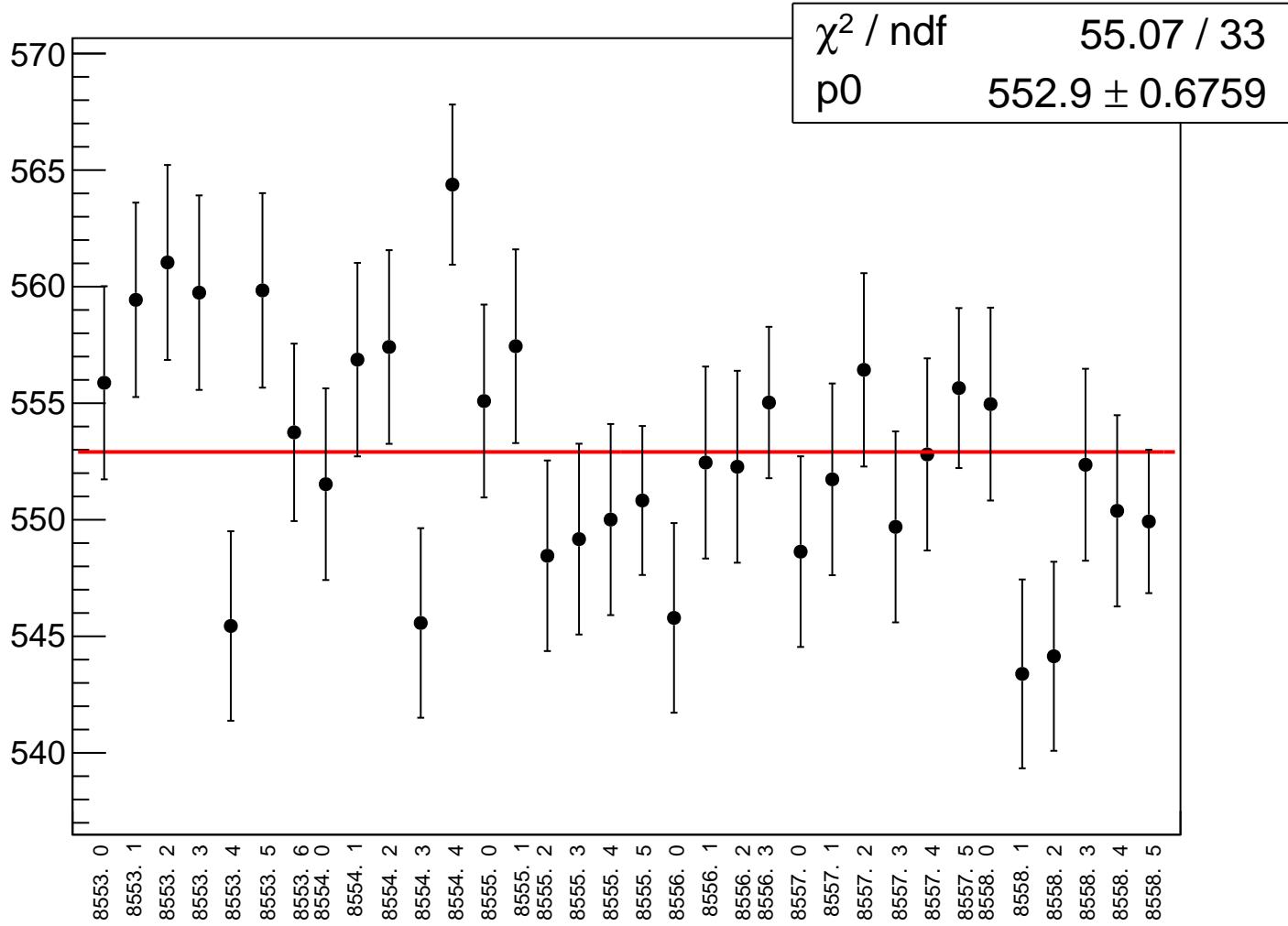
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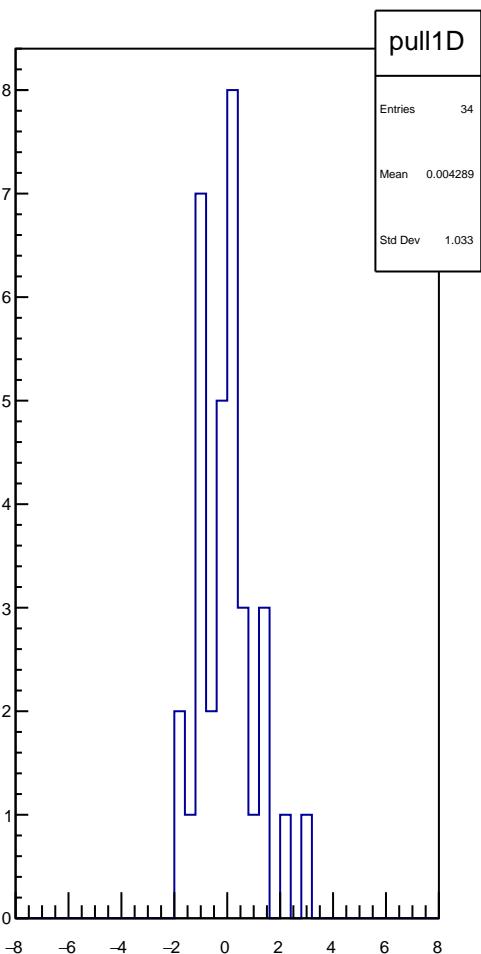
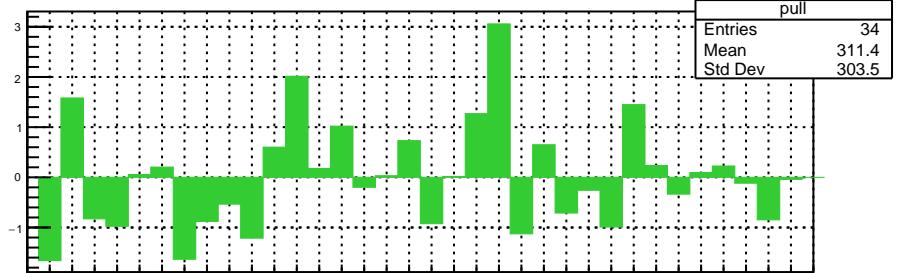
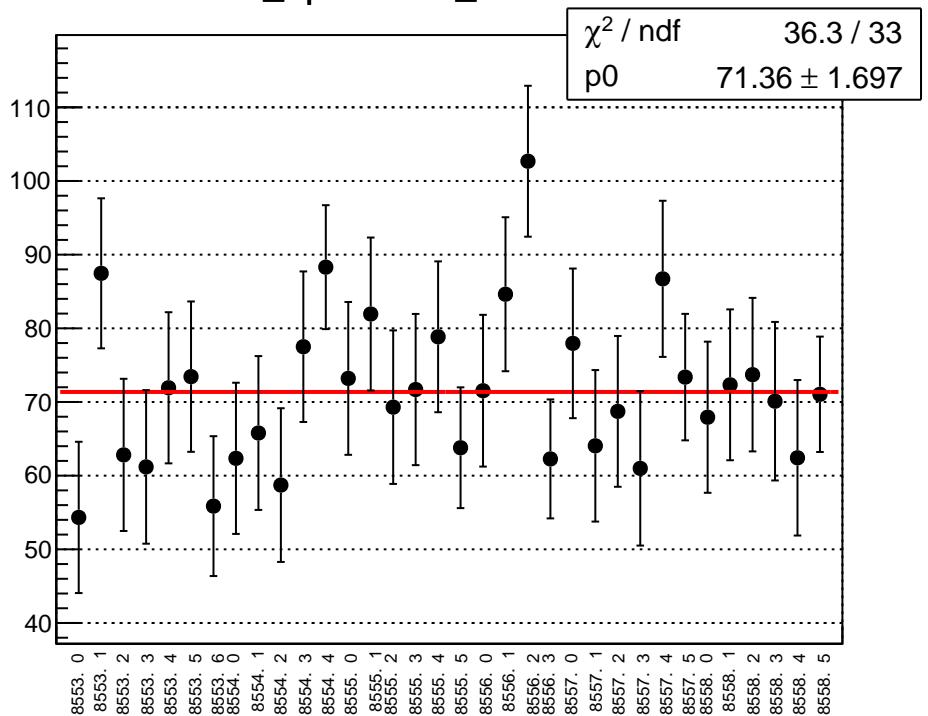
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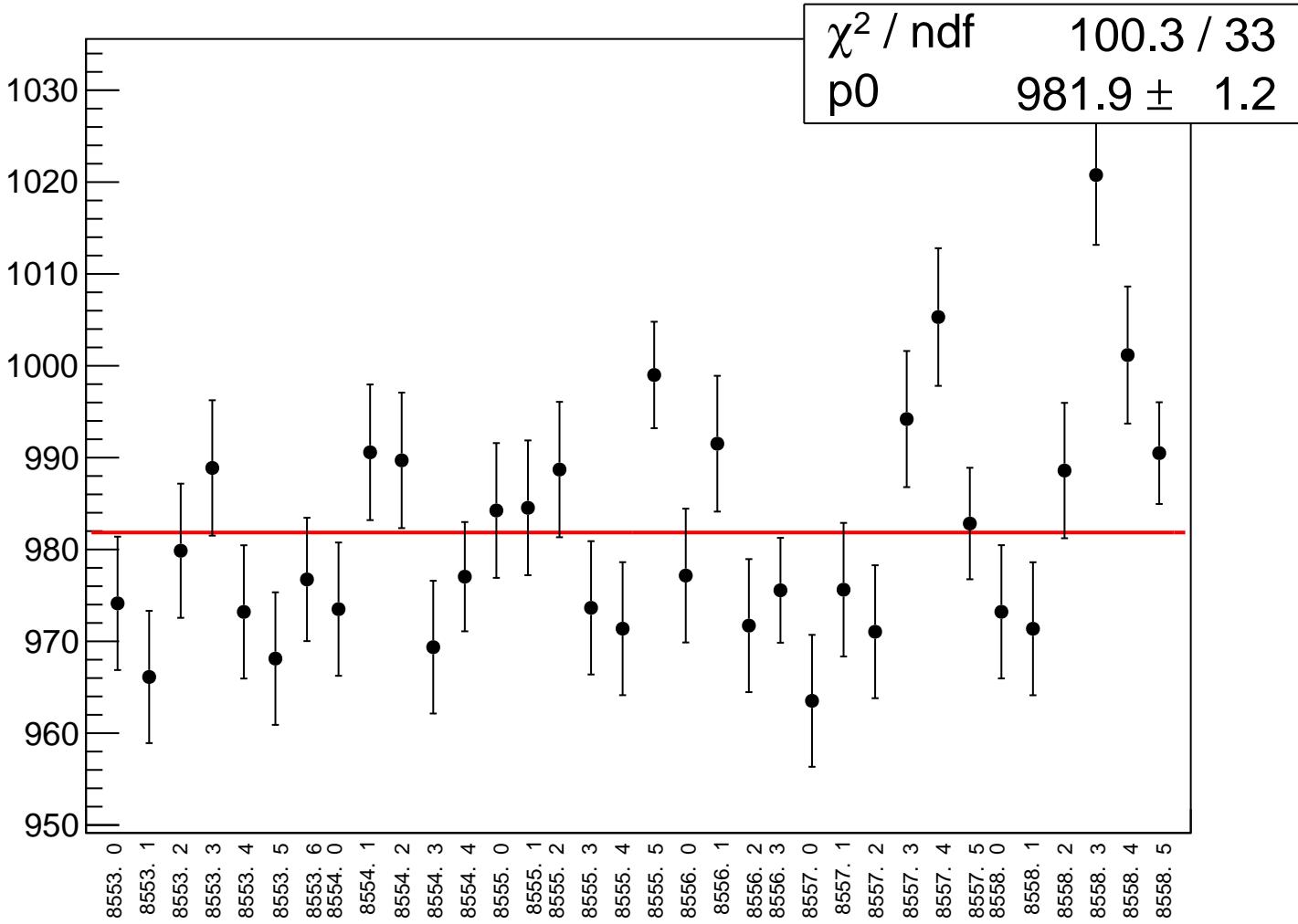
diff_bpm1i02Y_rms vs run



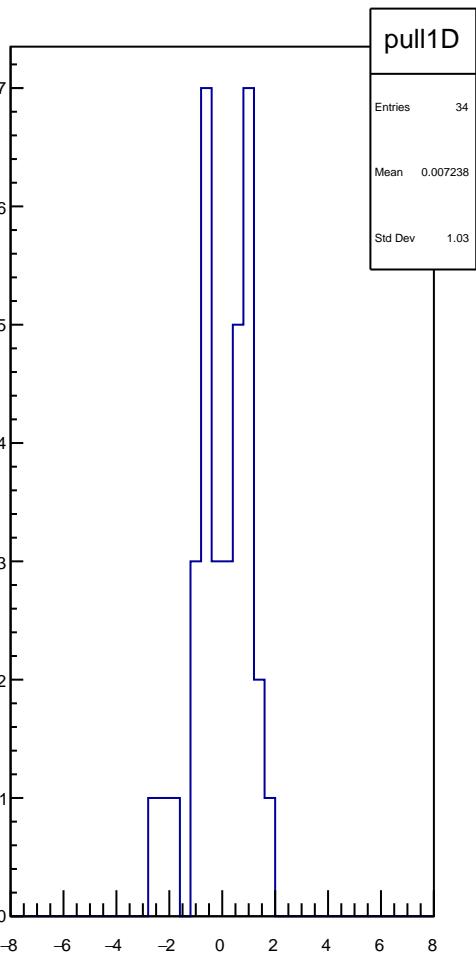
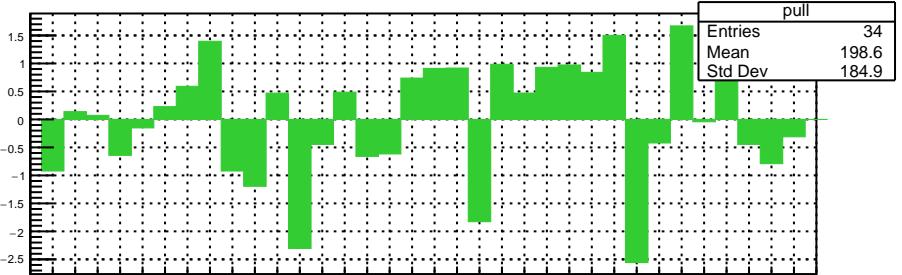
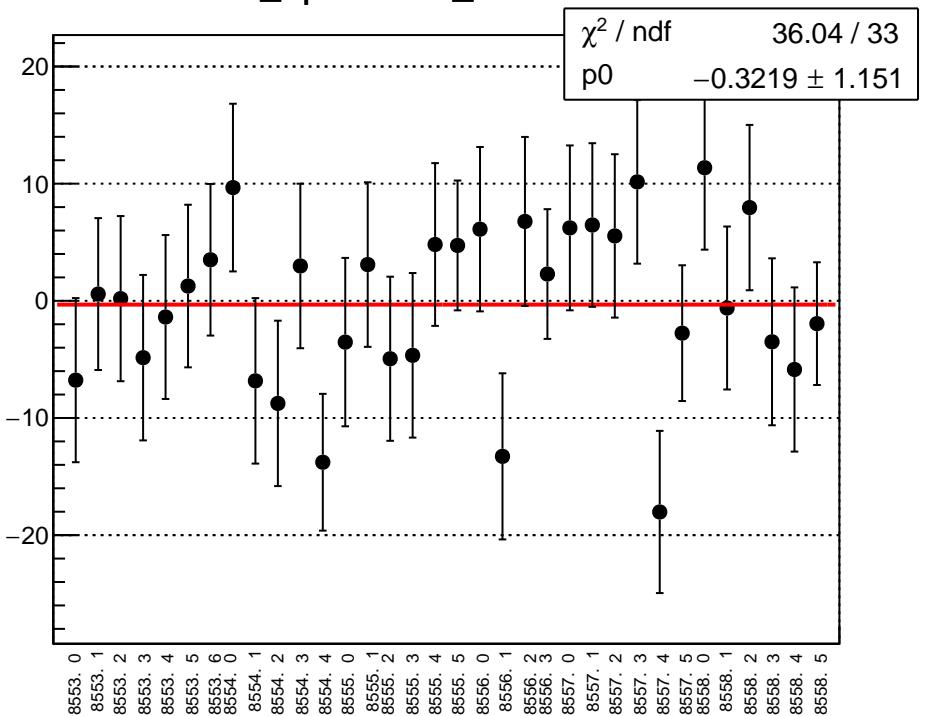
diff_bpm1i04X_mean vs run



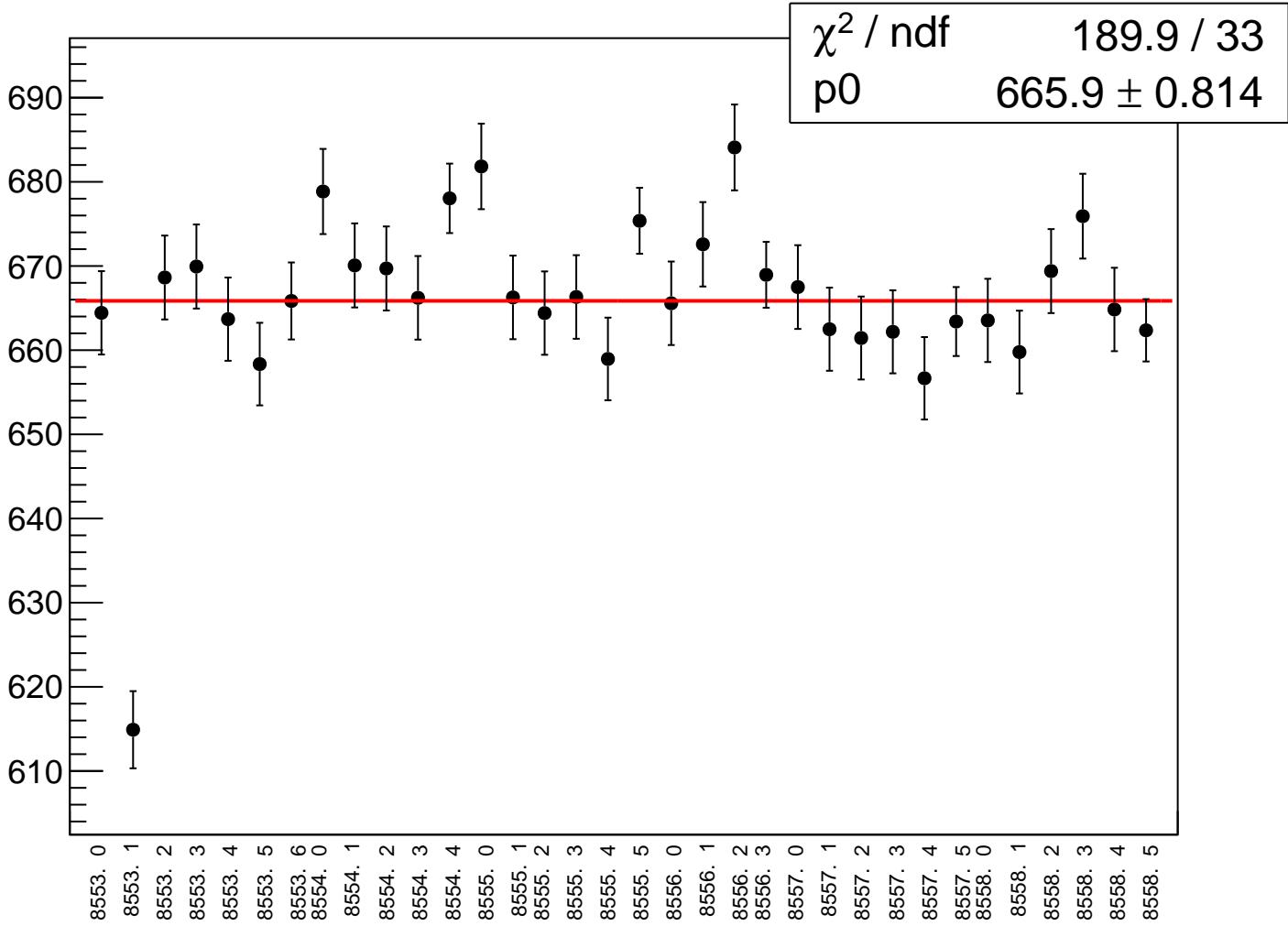
diff_bpm1i04X_rms vs run



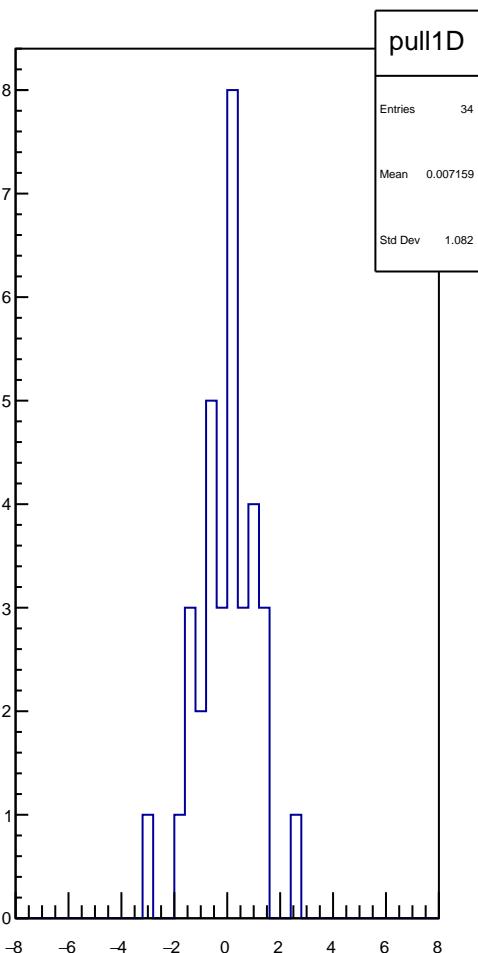
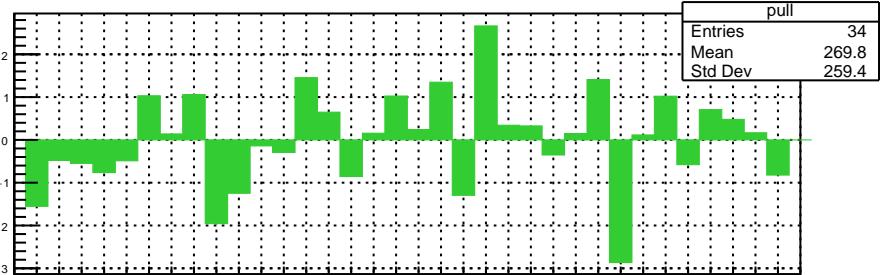
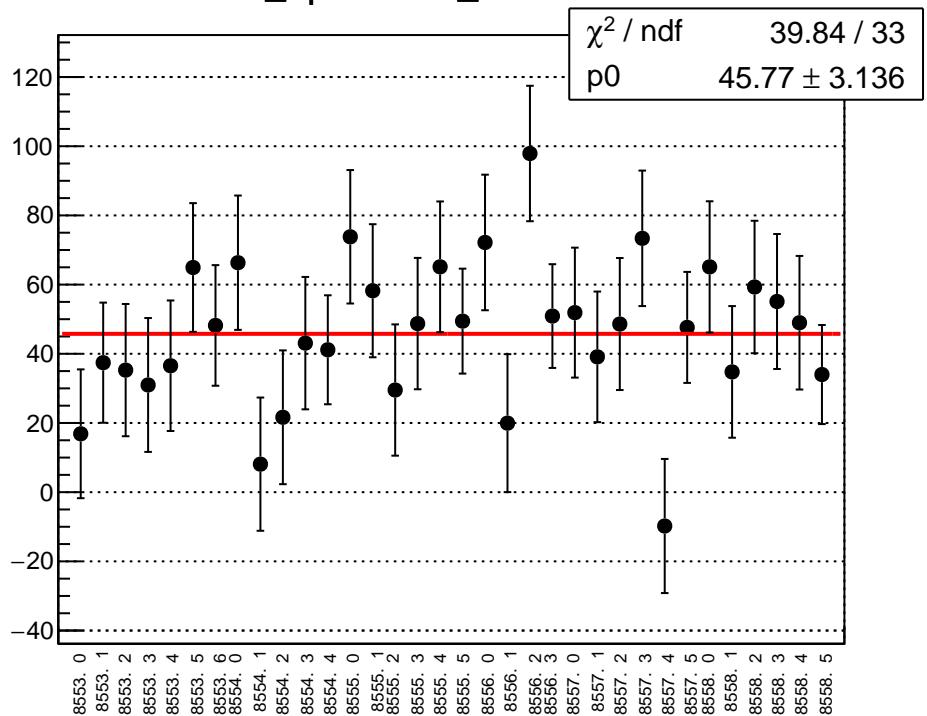
diff_bpm1i04Y_mean vs run



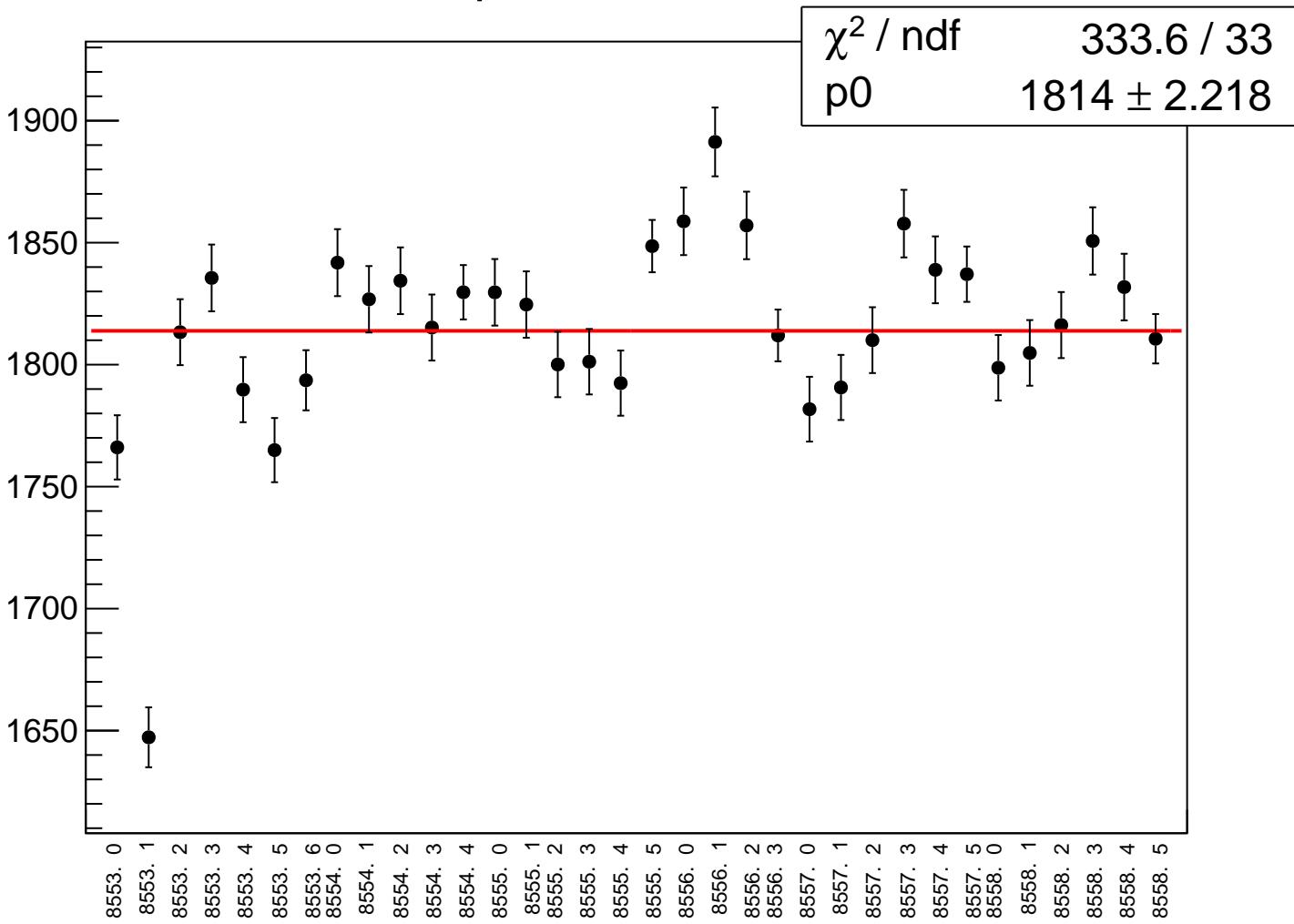
diff_bpm1i04Y_rms vs run



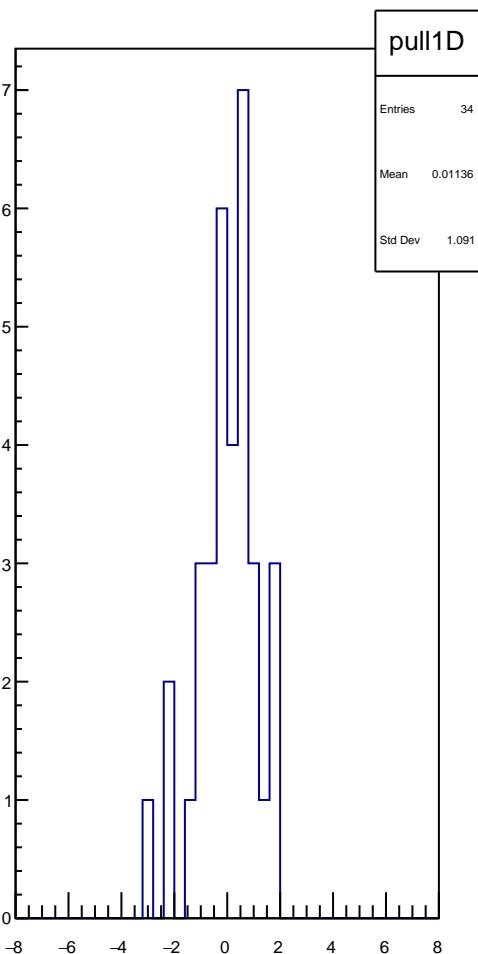
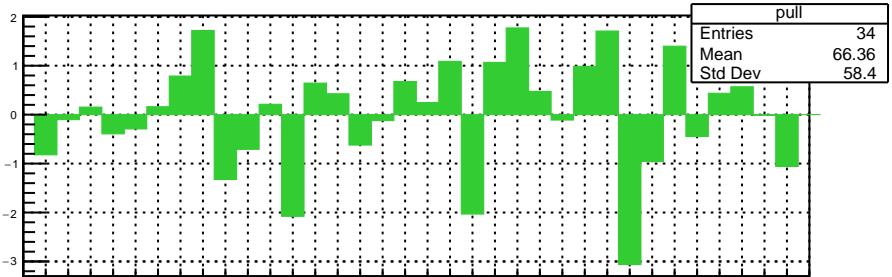
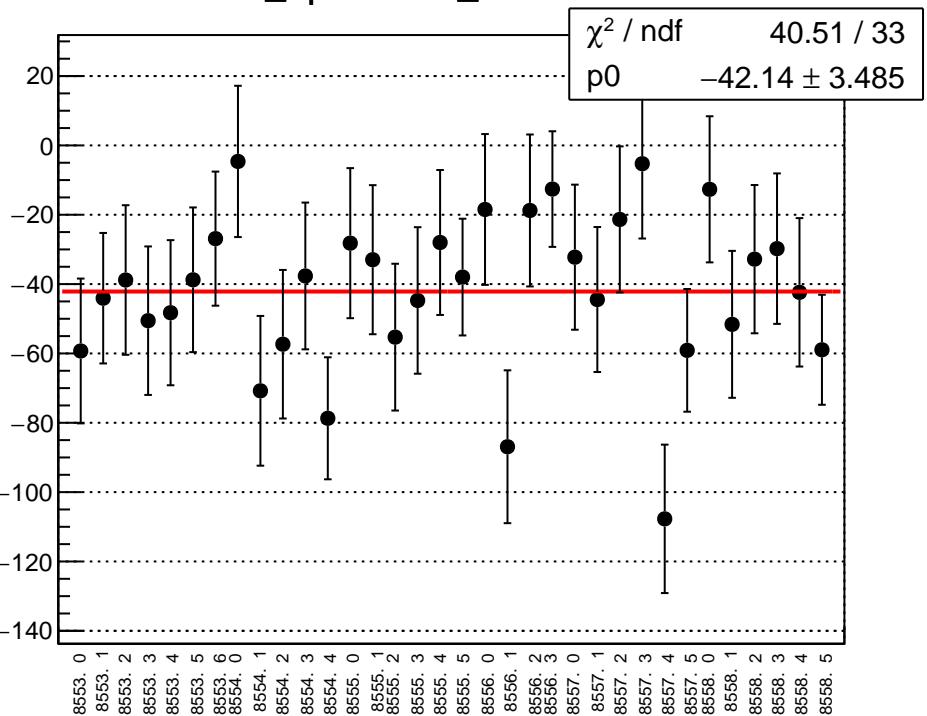
diff_bpm1i06X_mean vs run



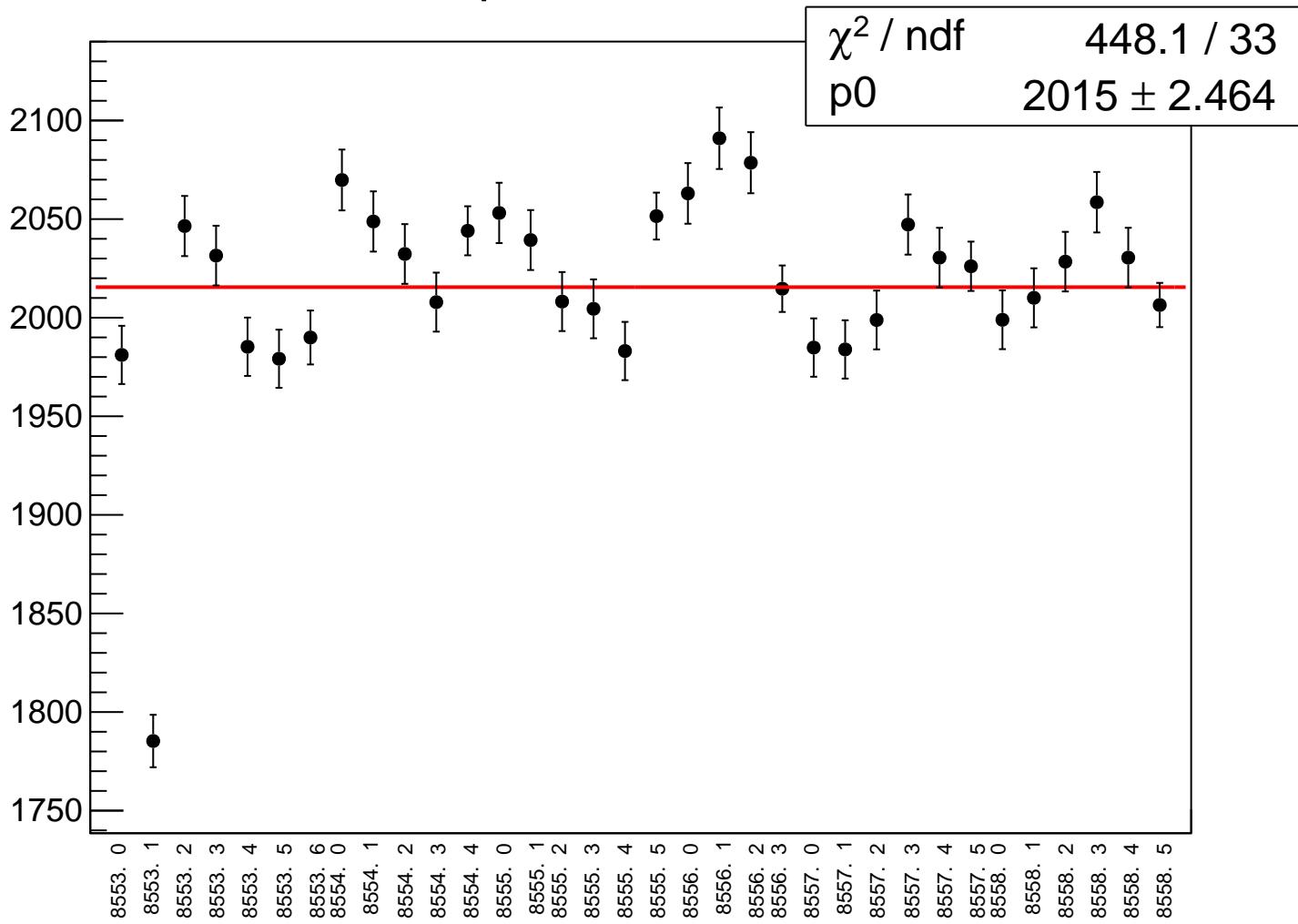
diff_bpm1i06X_rms vs run



diff_bpm1i06Y_mean vs run

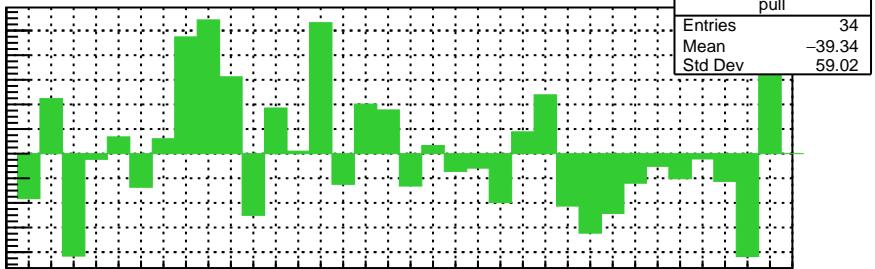
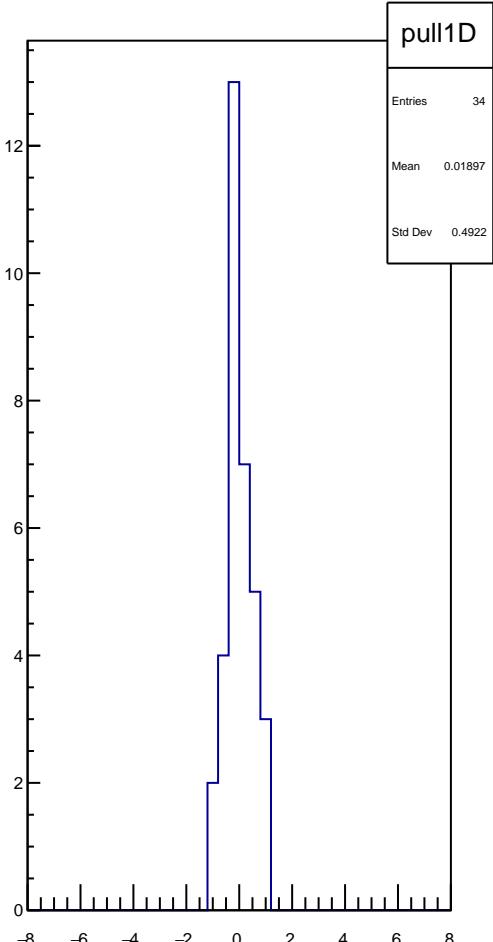
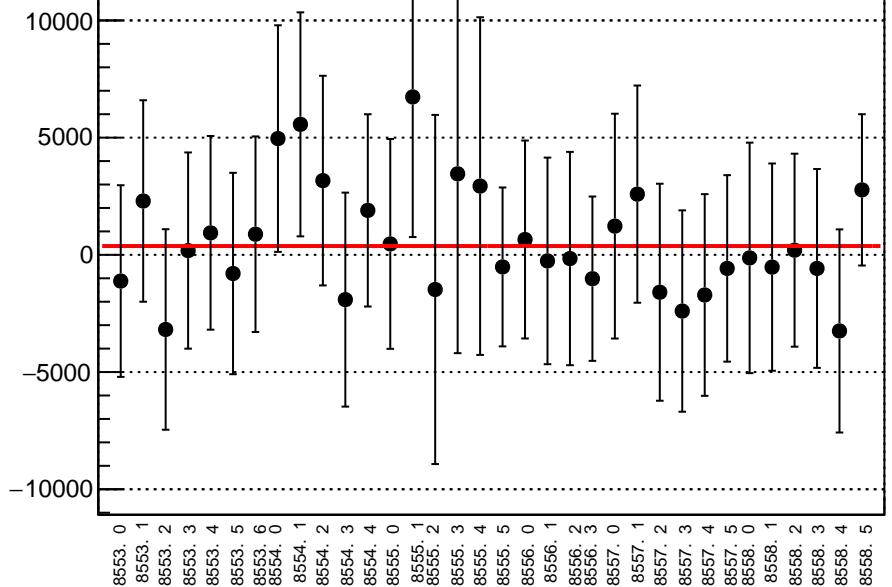


diff_bpm1i06Y_rms vs run

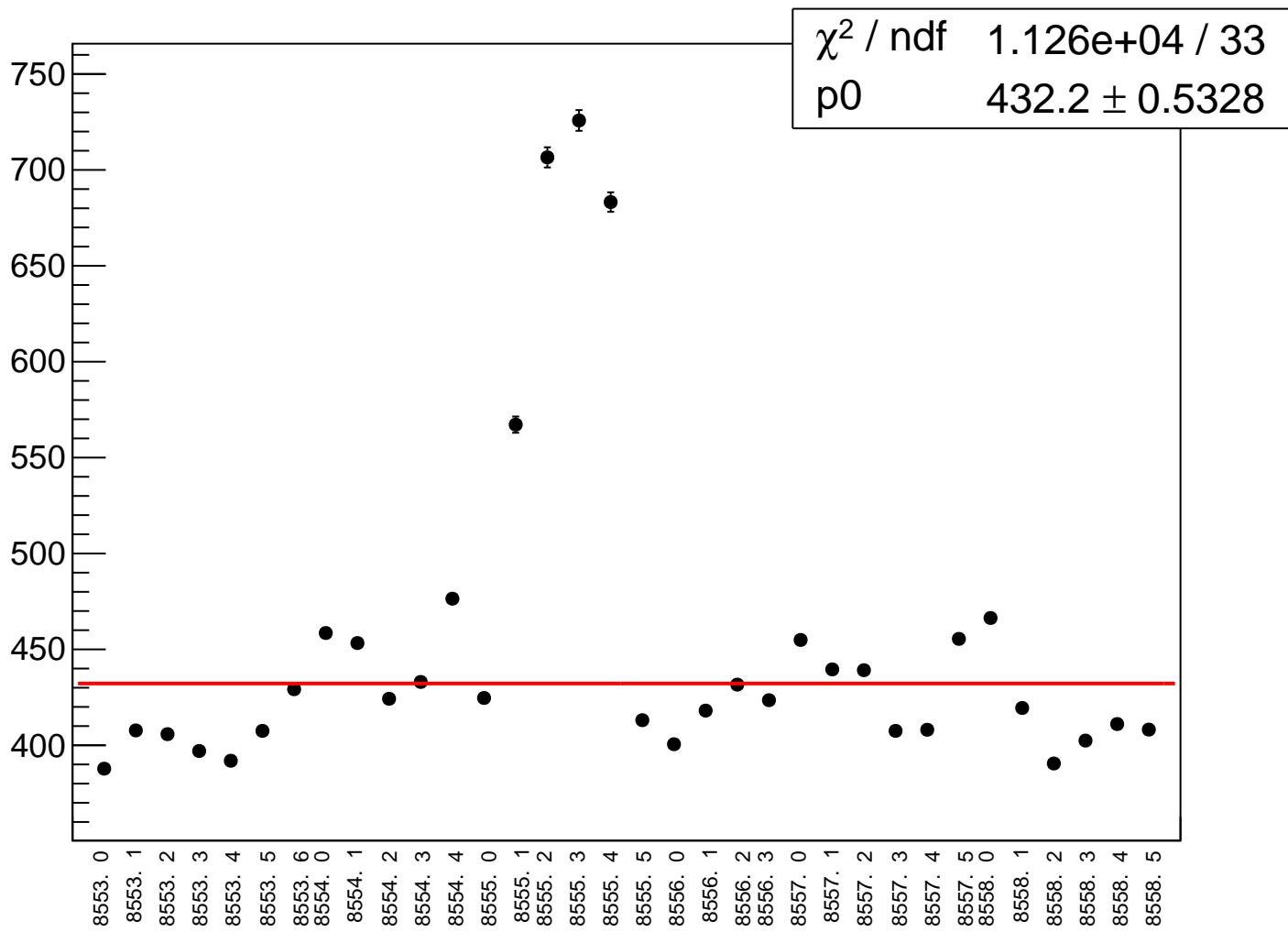


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run

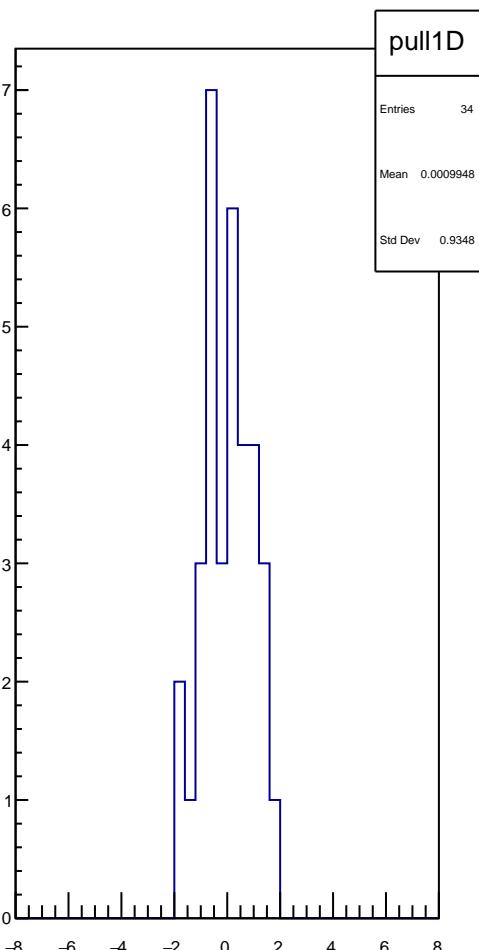
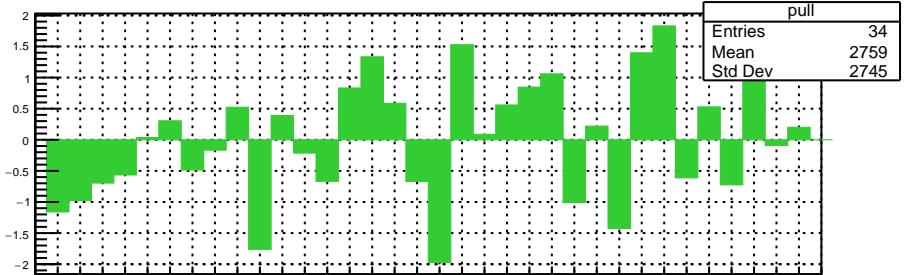
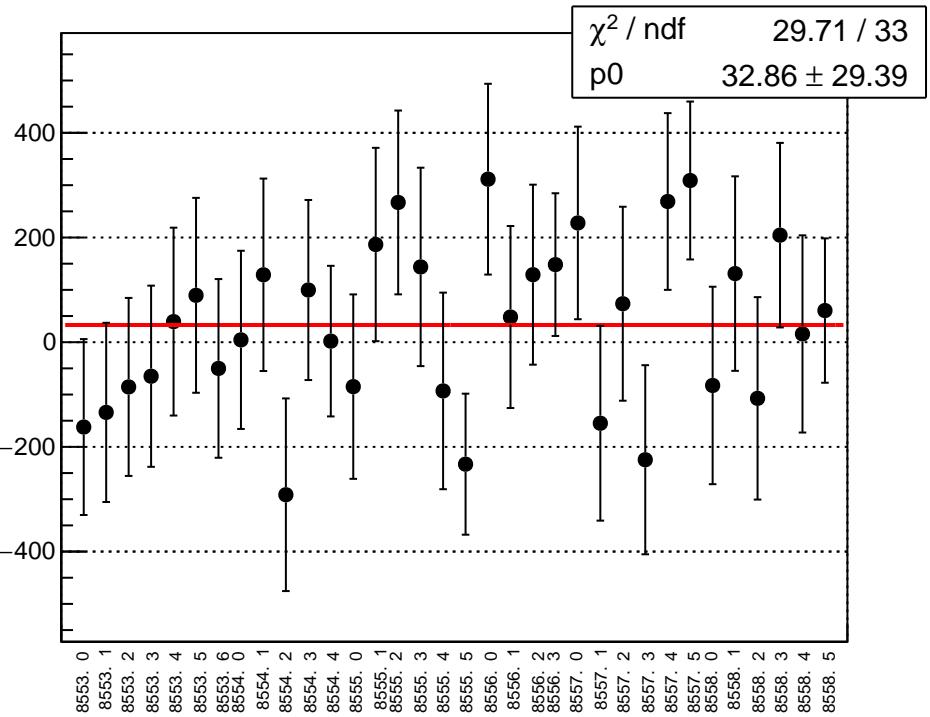
χ^2 / ndf 8.248 / 33
p0 376 ± 753.5



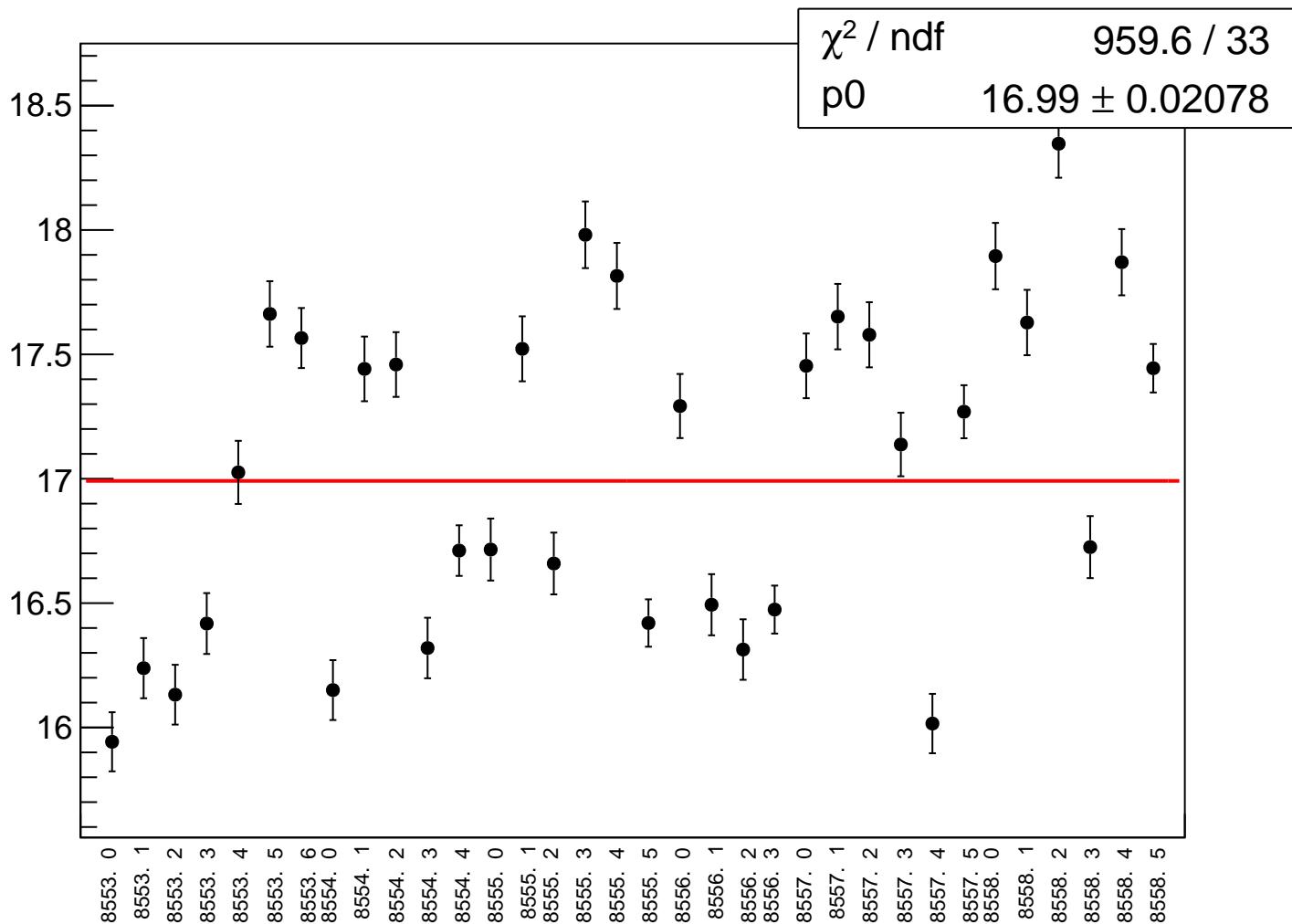
asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run



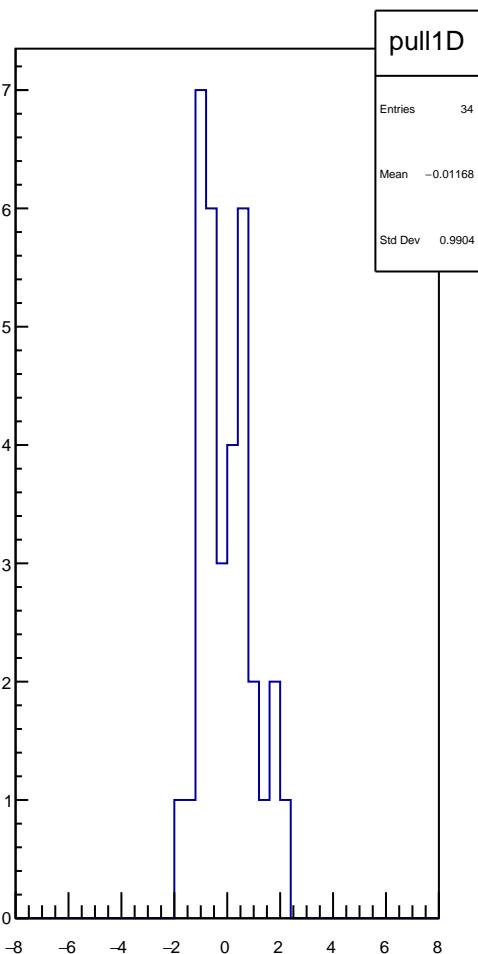
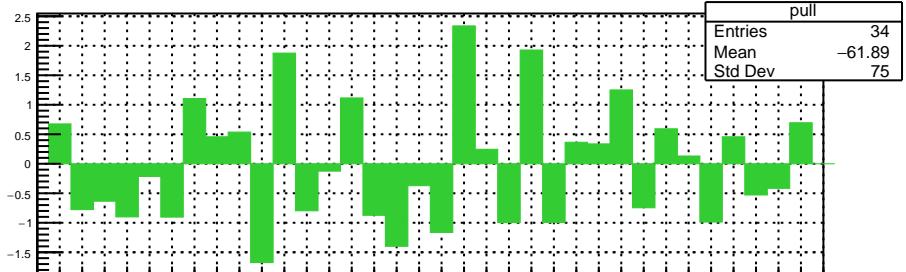
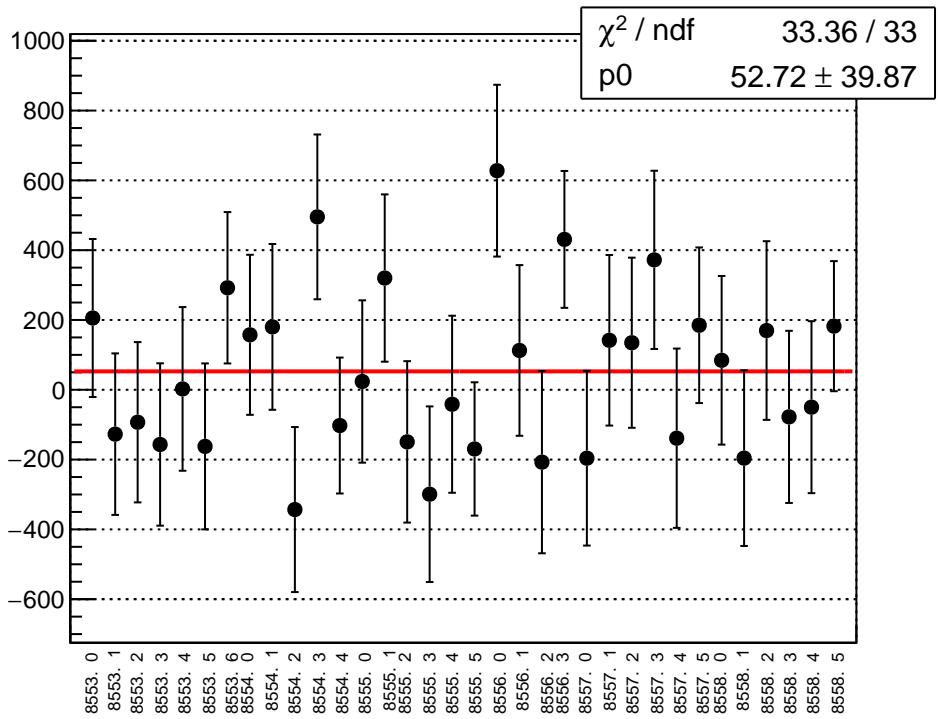
asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run



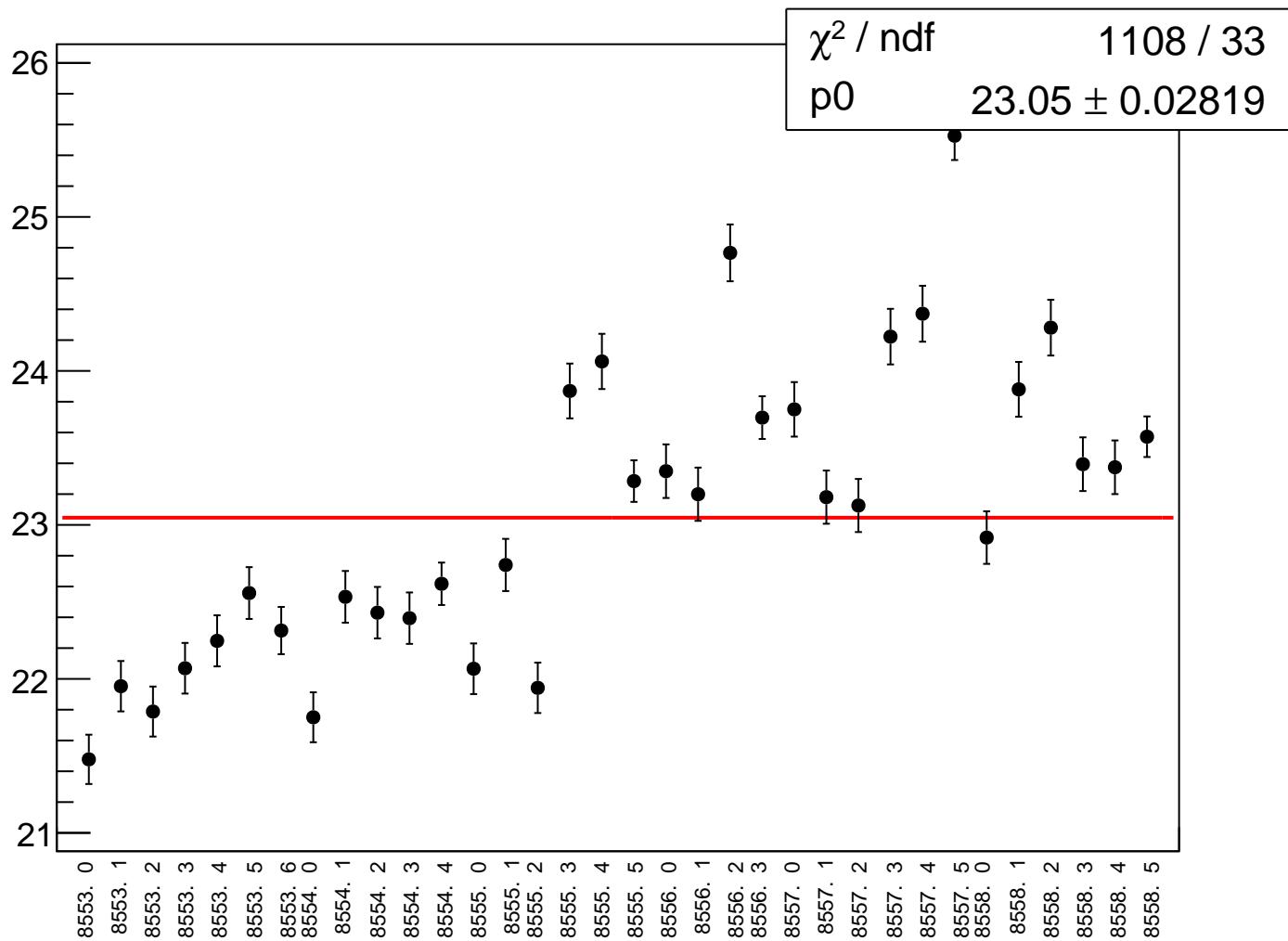
asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run



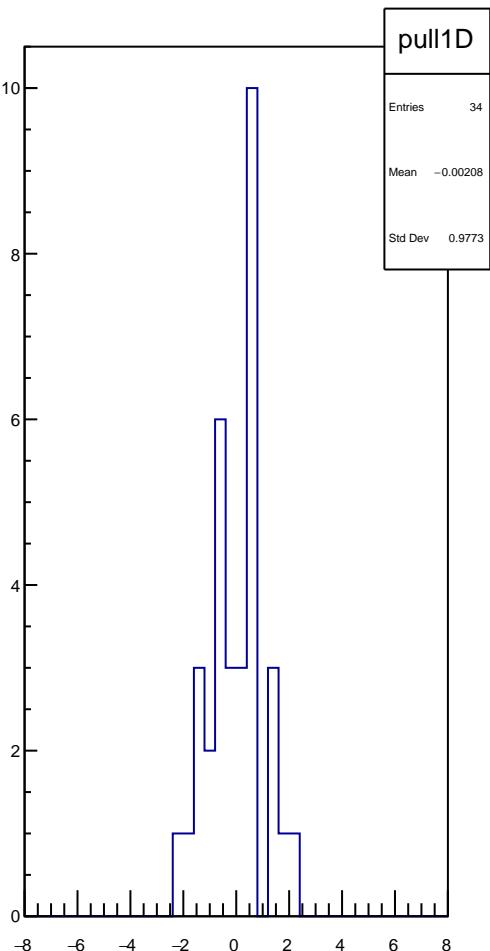
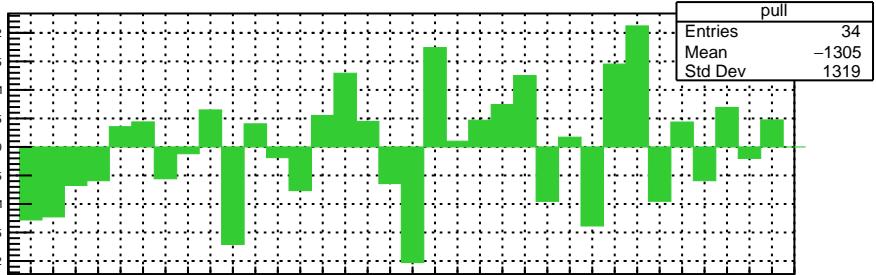
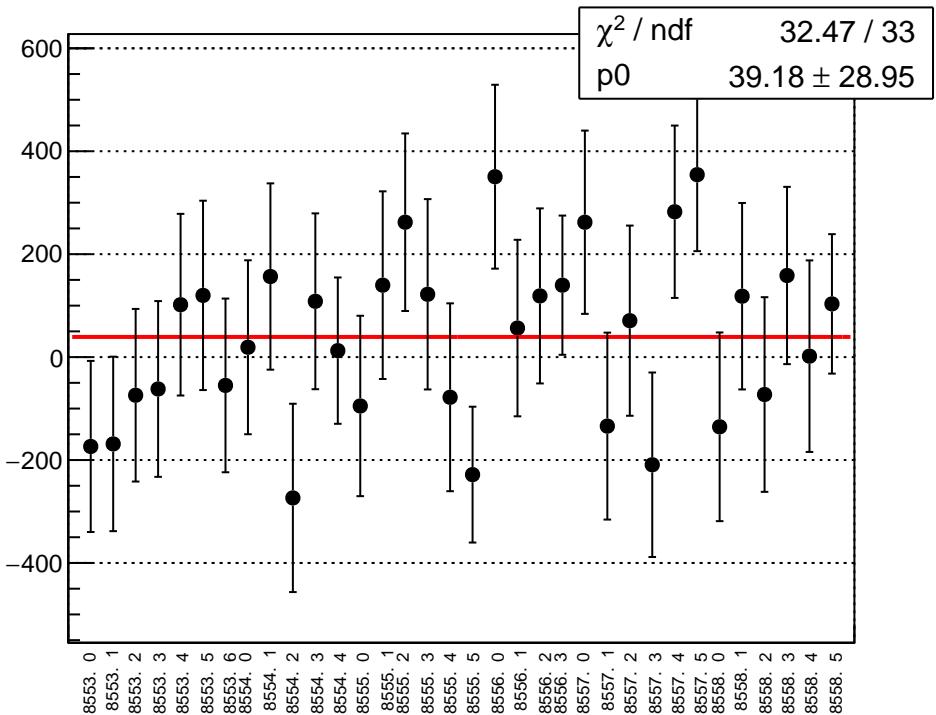
asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run



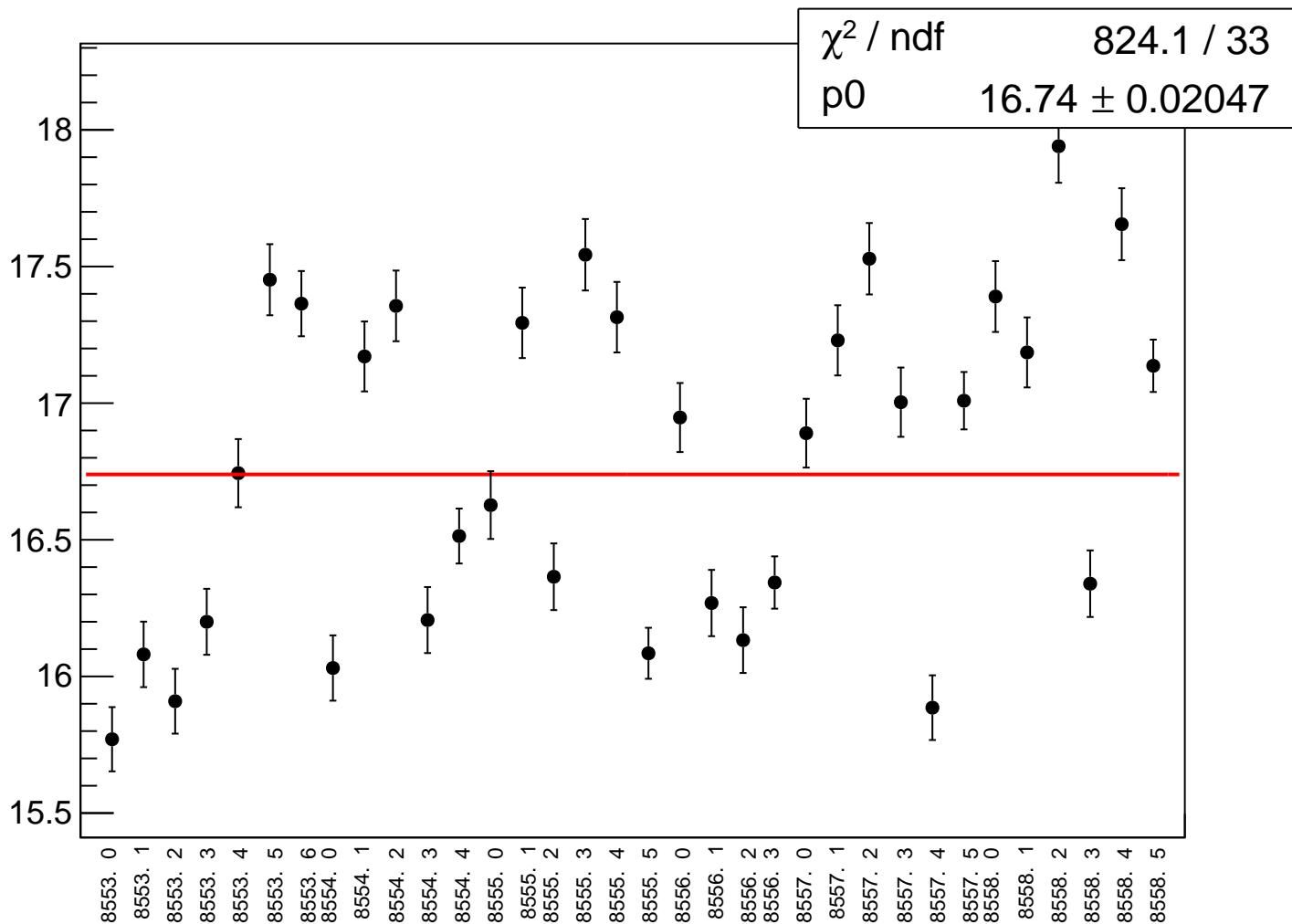
asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run



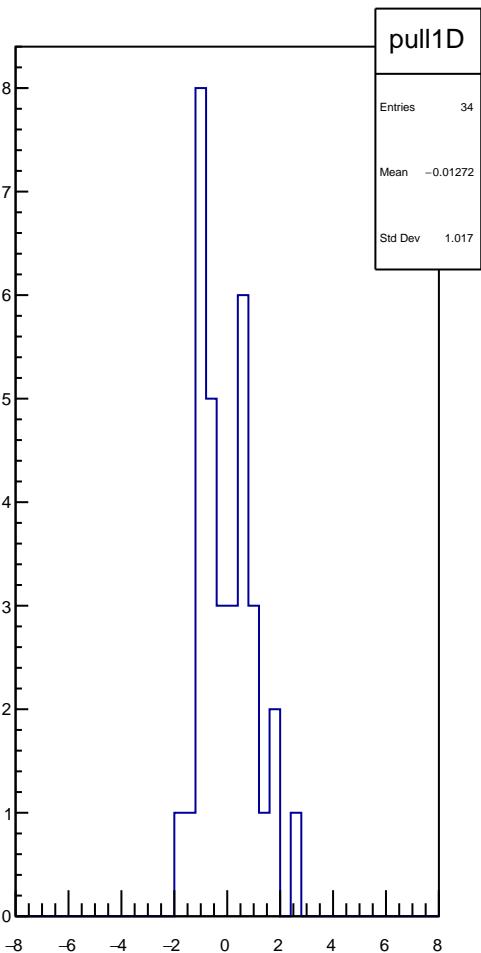
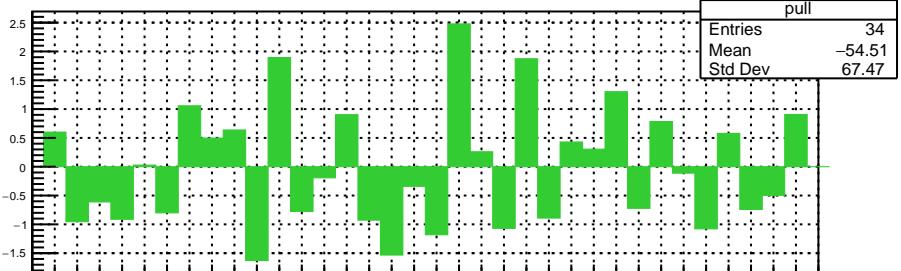
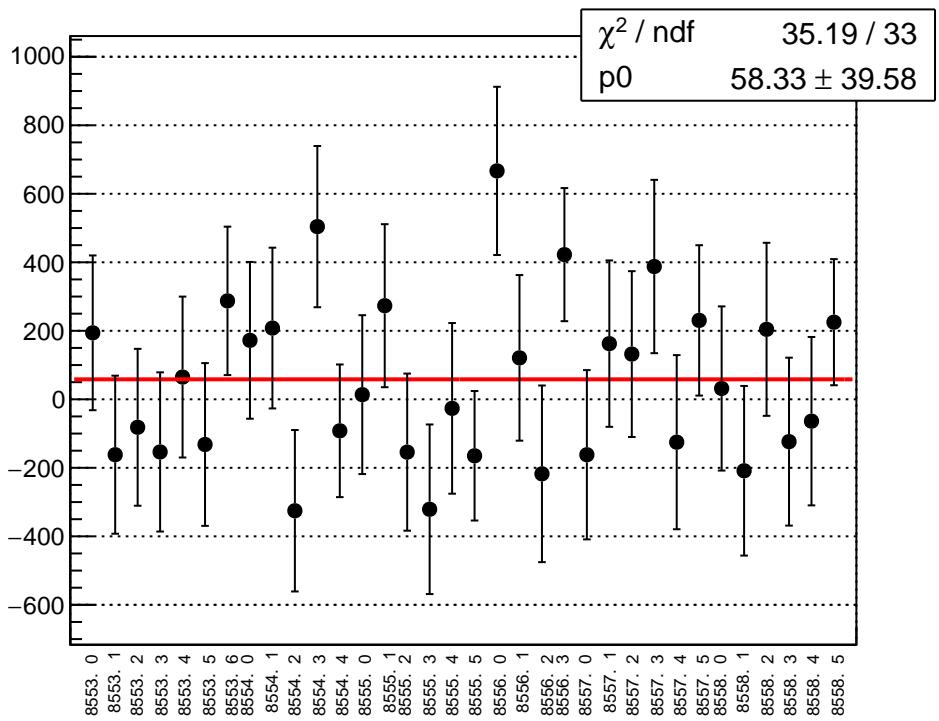
asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run



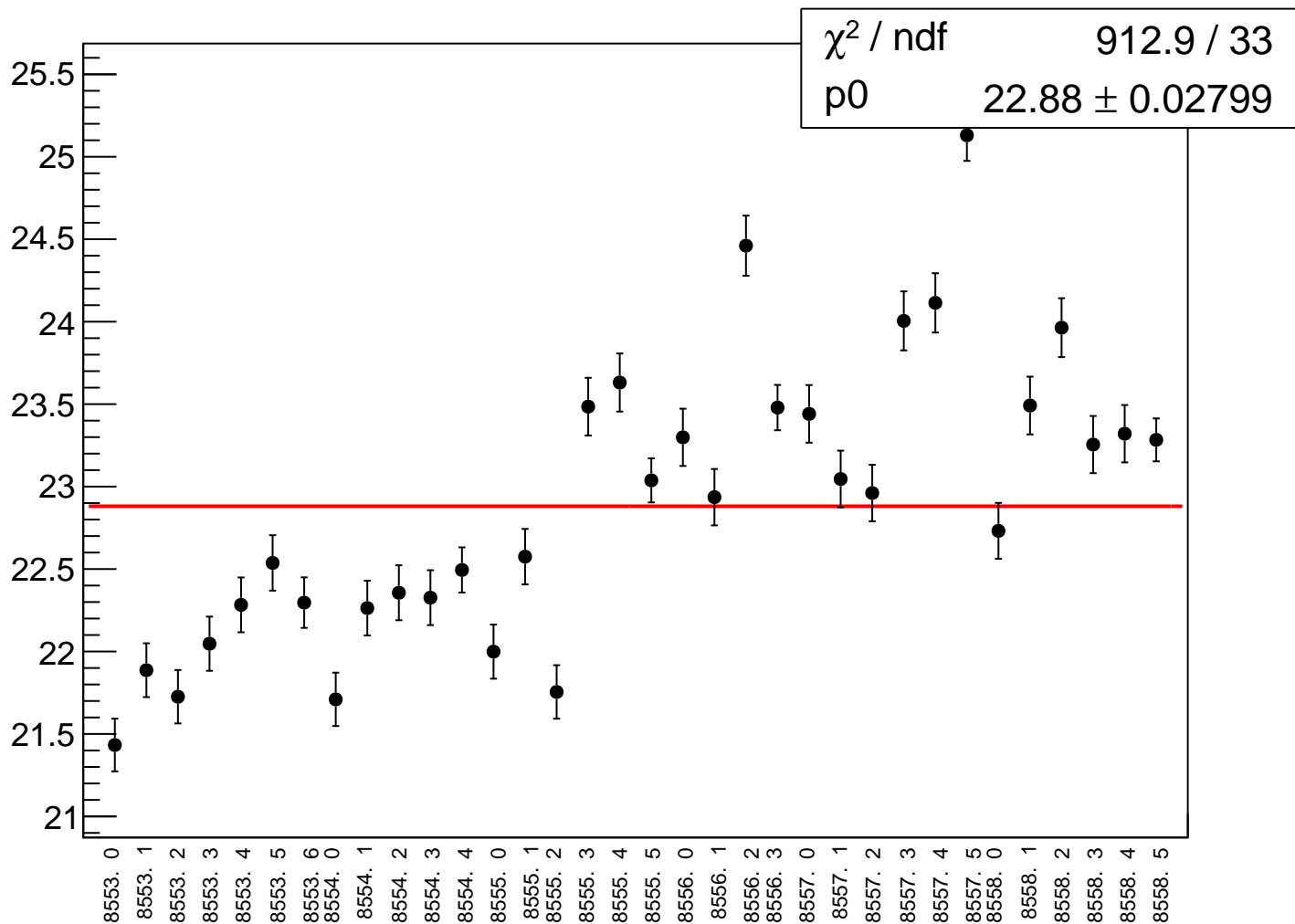
asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run



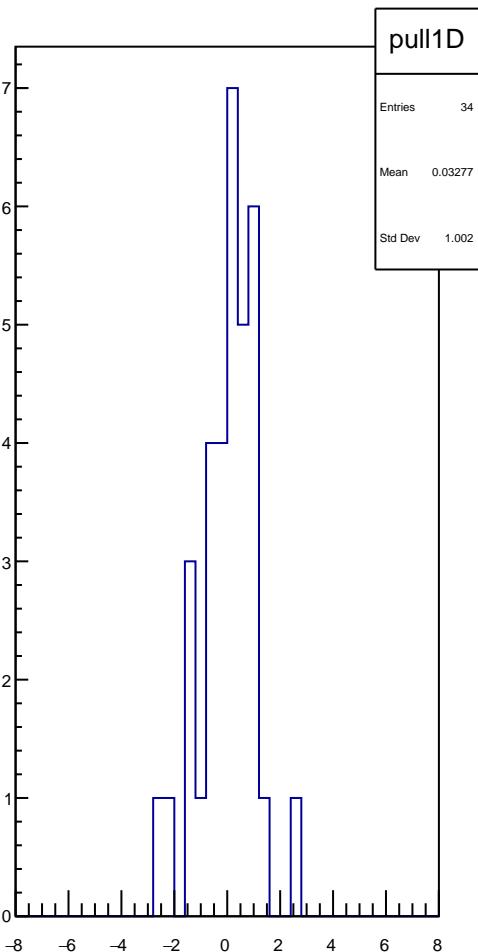
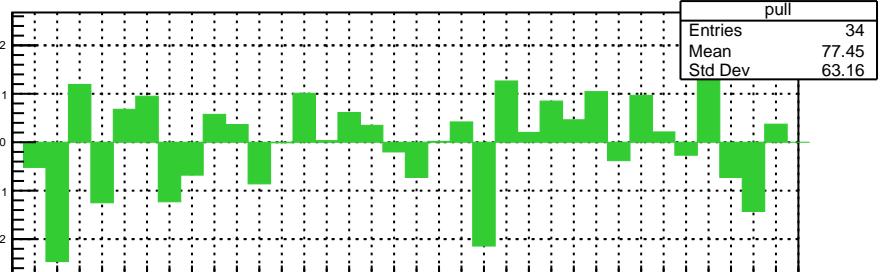
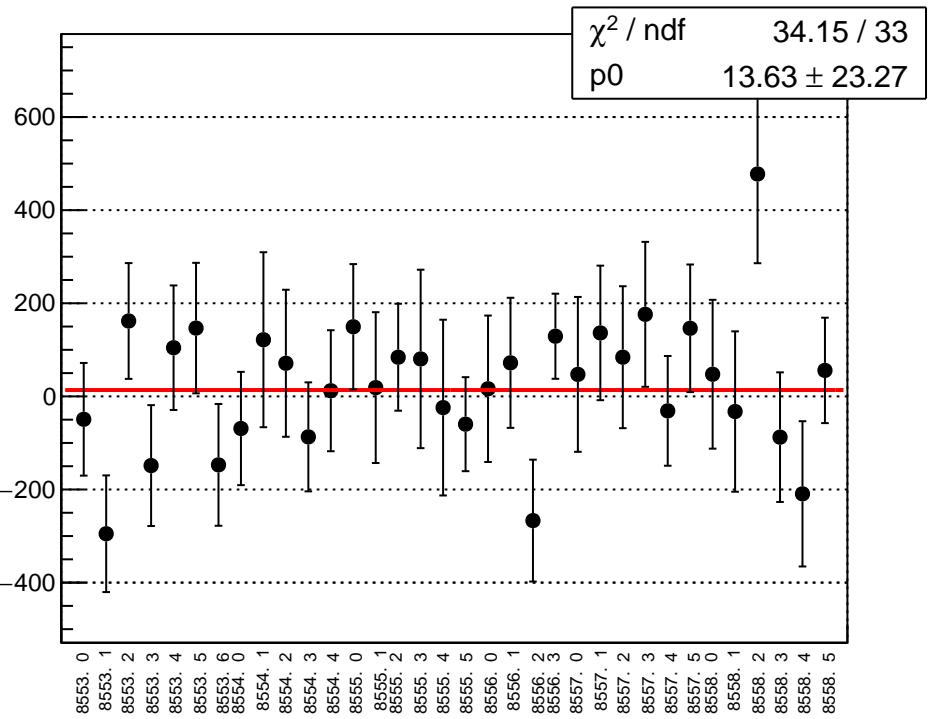
asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run



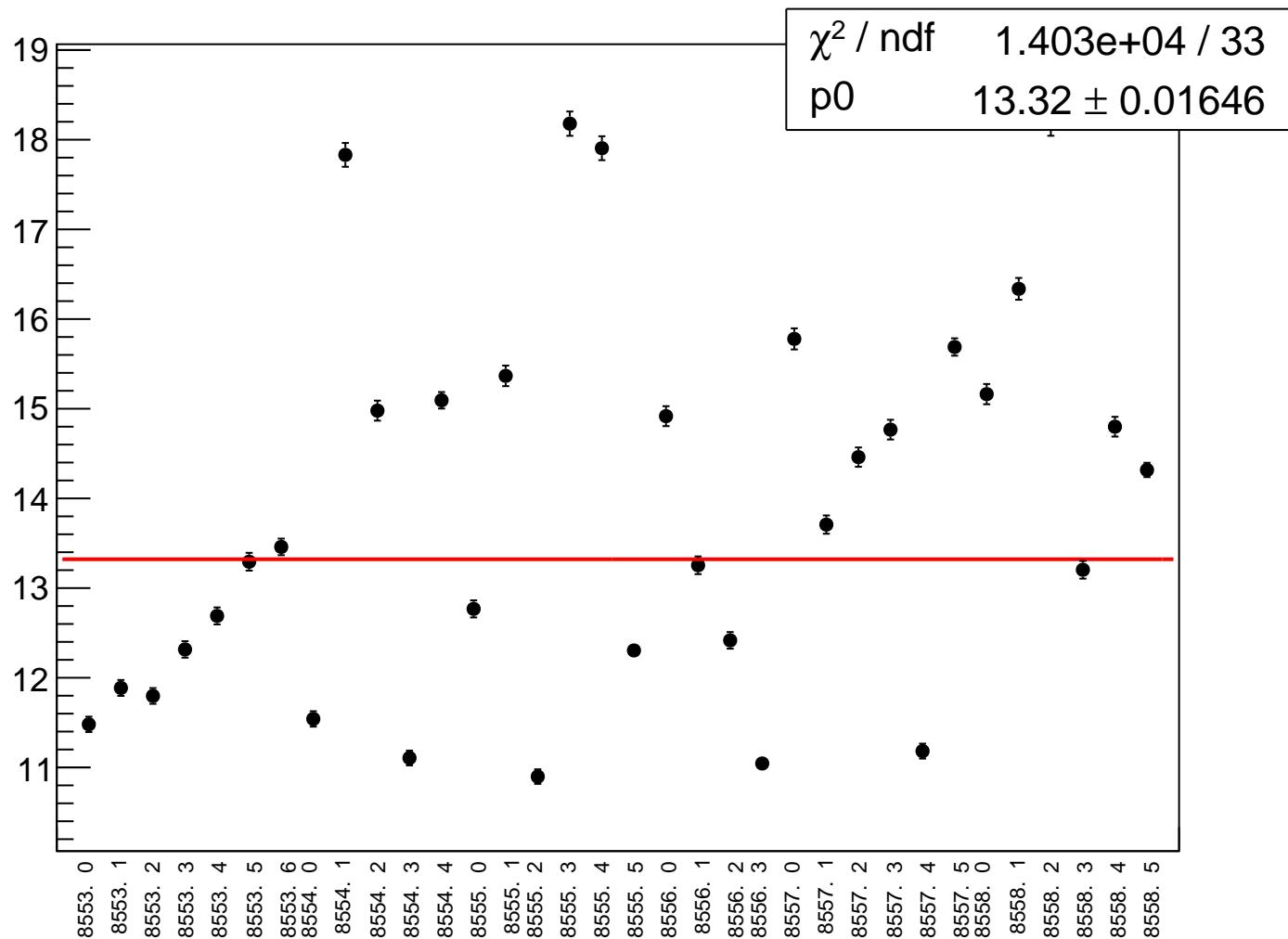
asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run



asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run

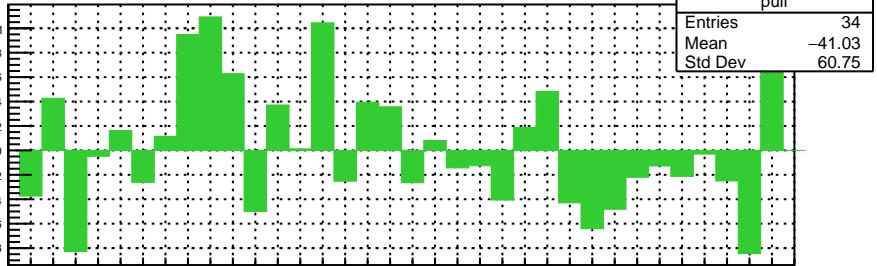
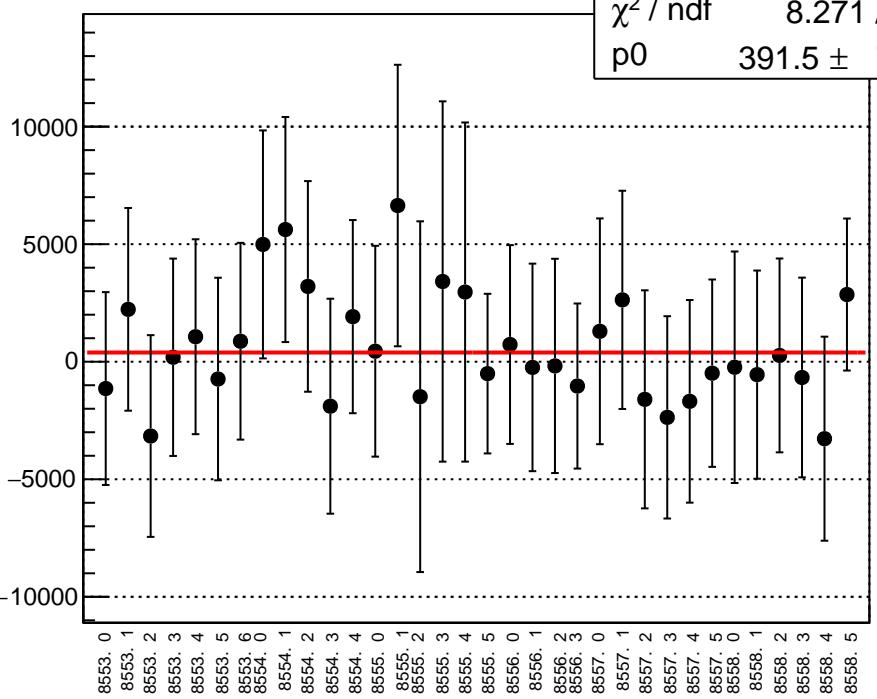


asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run



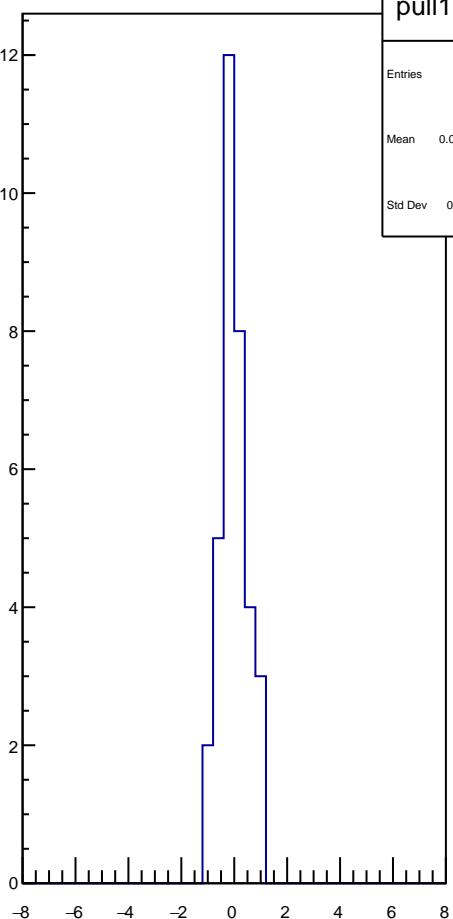
asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run

χ^2 / ndf 8.271 / 33
 $p0$ 391.5 ± 755

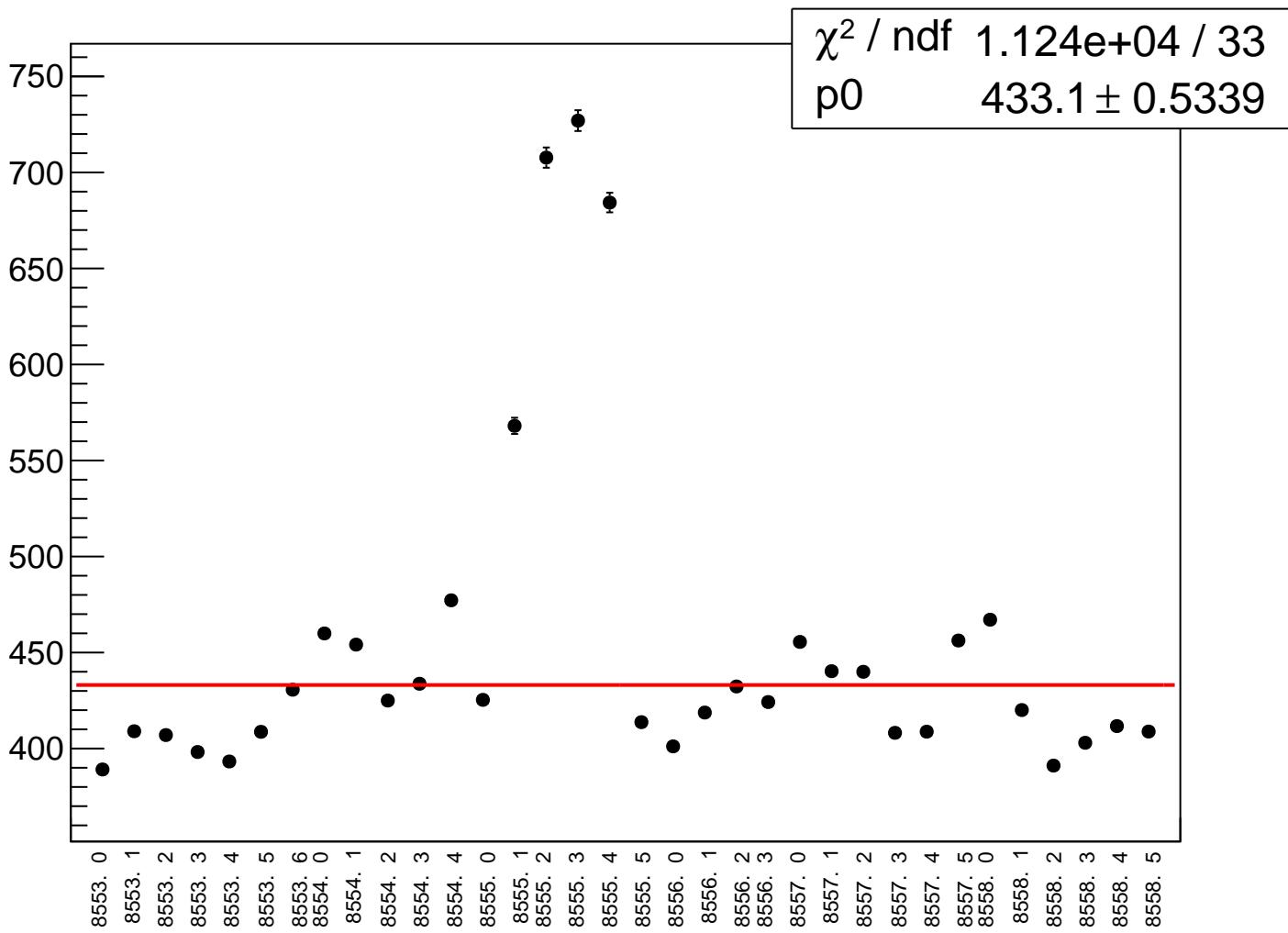


pull1D

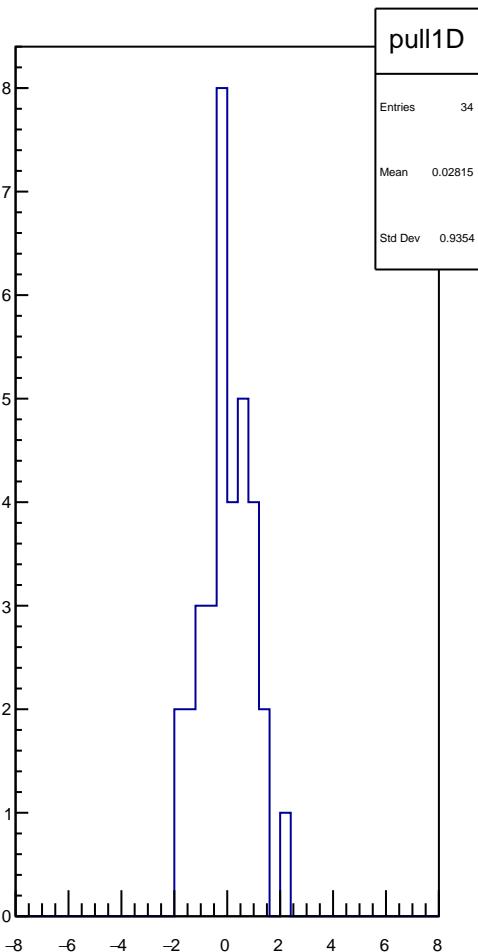
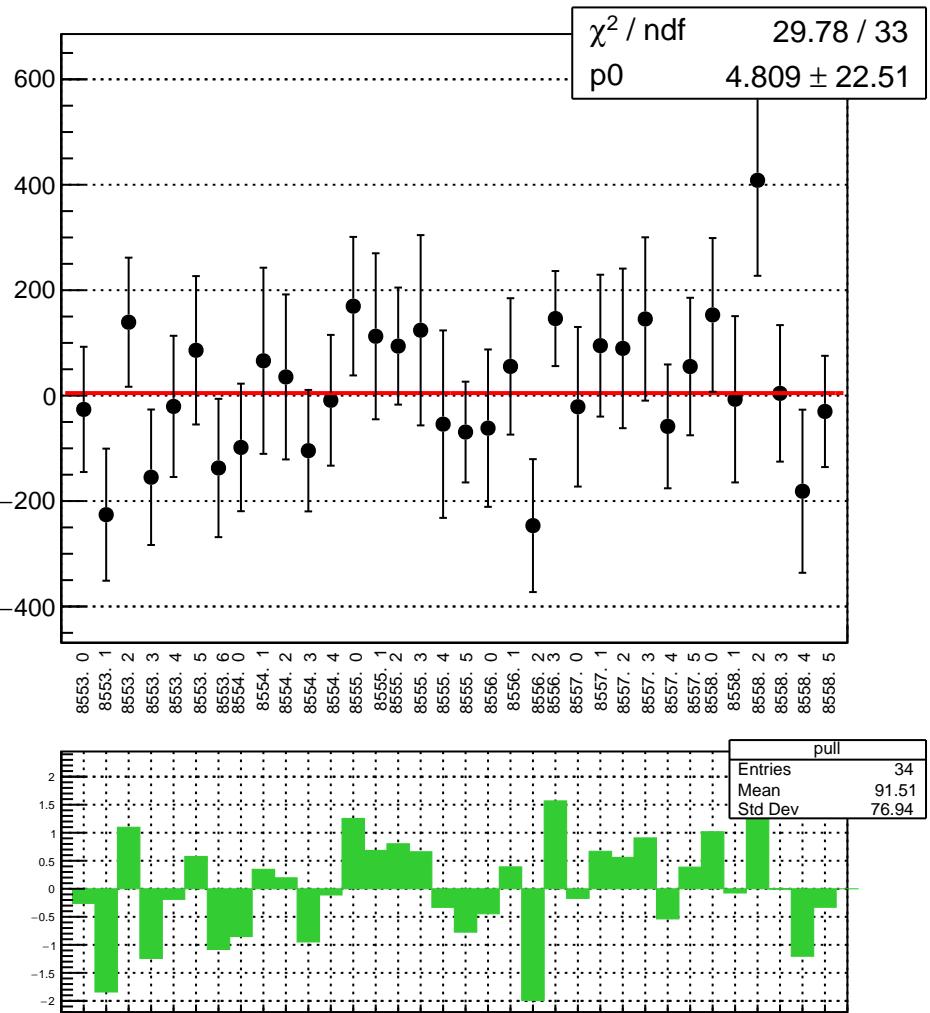
Entries 34
 Mean 0.01842
 Std Dev 0.4929



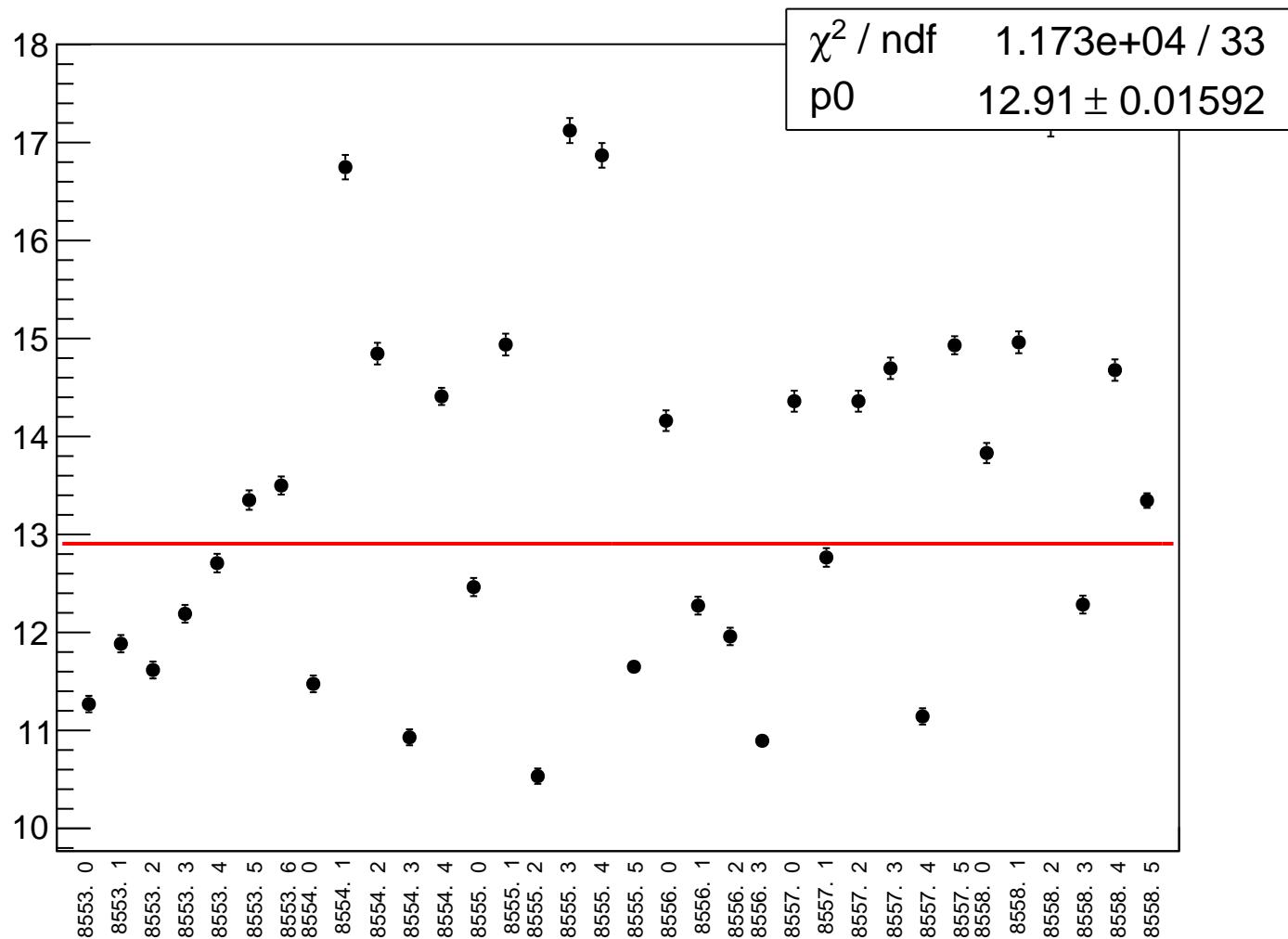
asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run



asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run



asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run



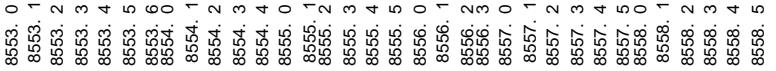
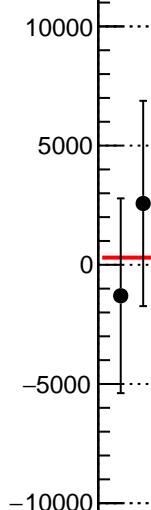
asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run

χ^2 / ndf

8.311 / 33

p0

301.9 ± 757.3

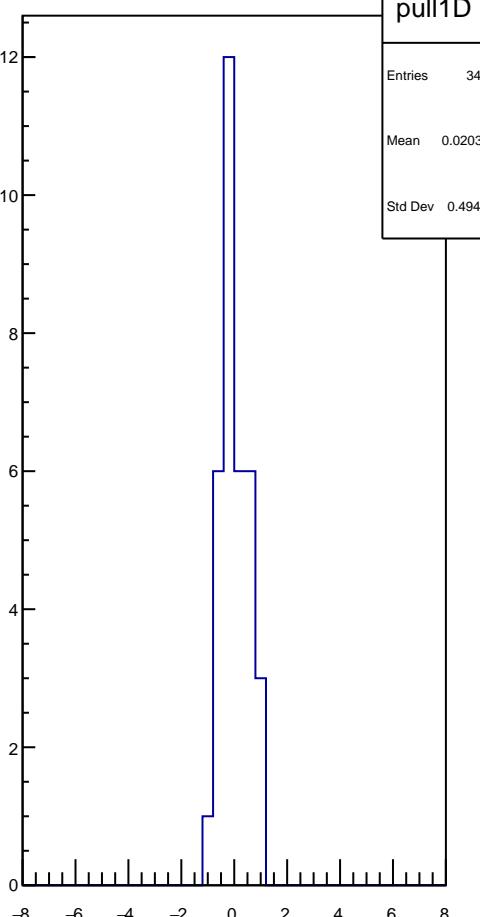


pull

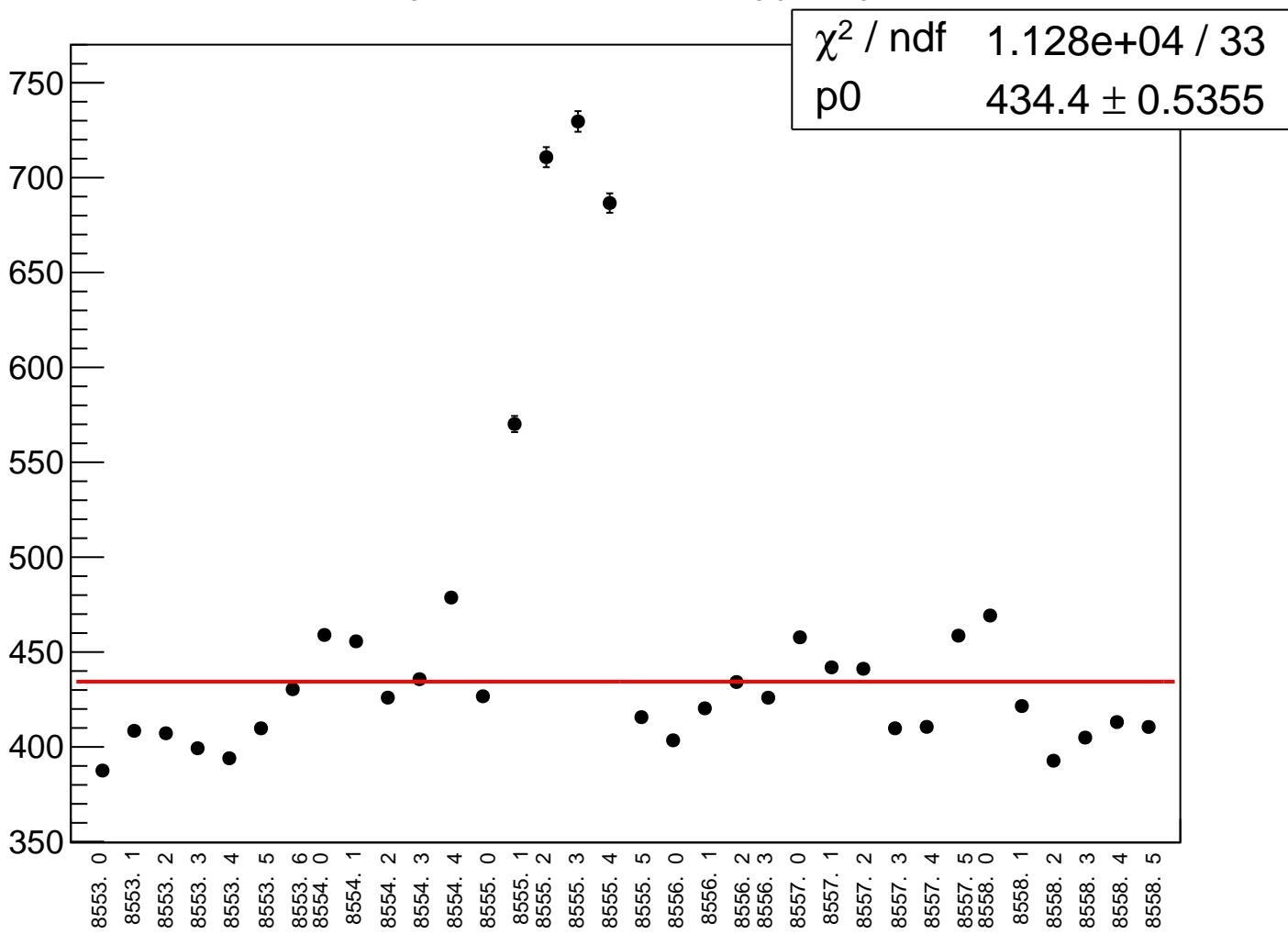
Entries 34

Mean -39.65

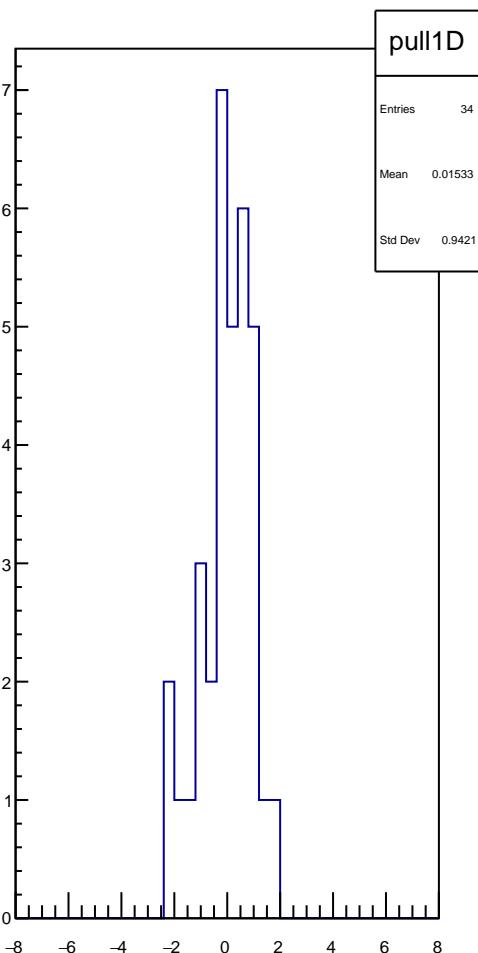
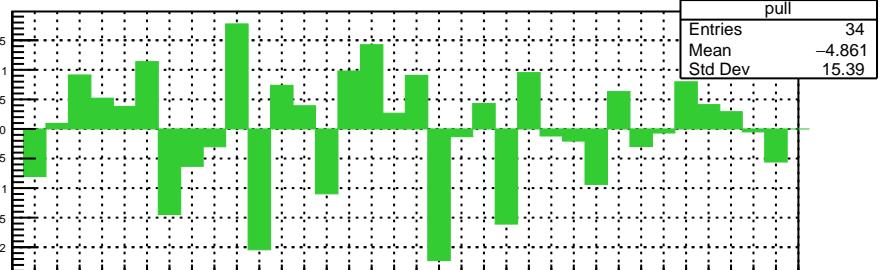
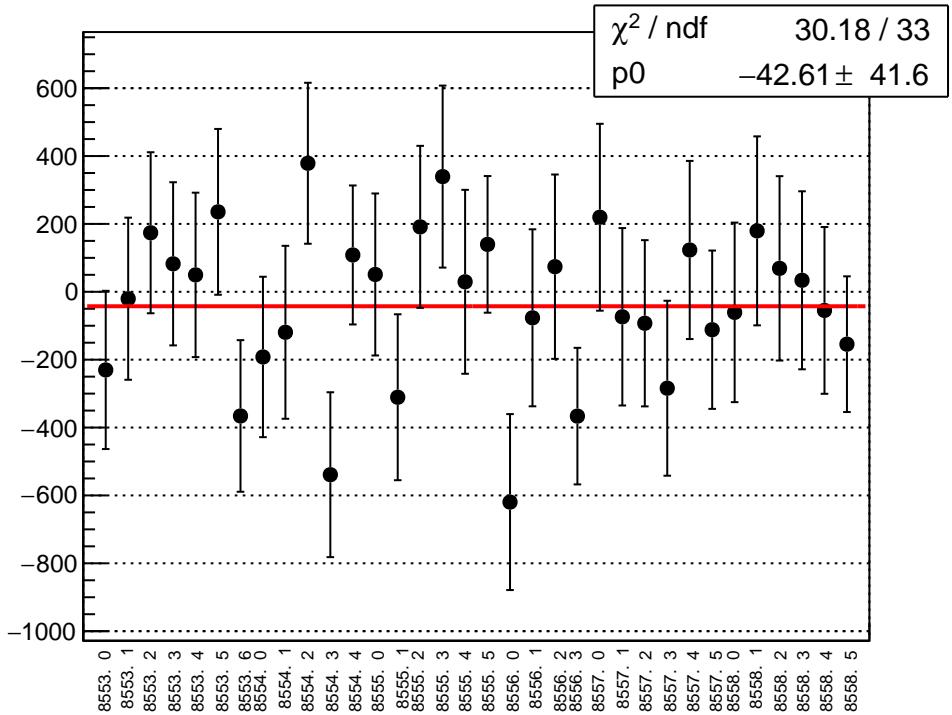
Std Dev 58.81



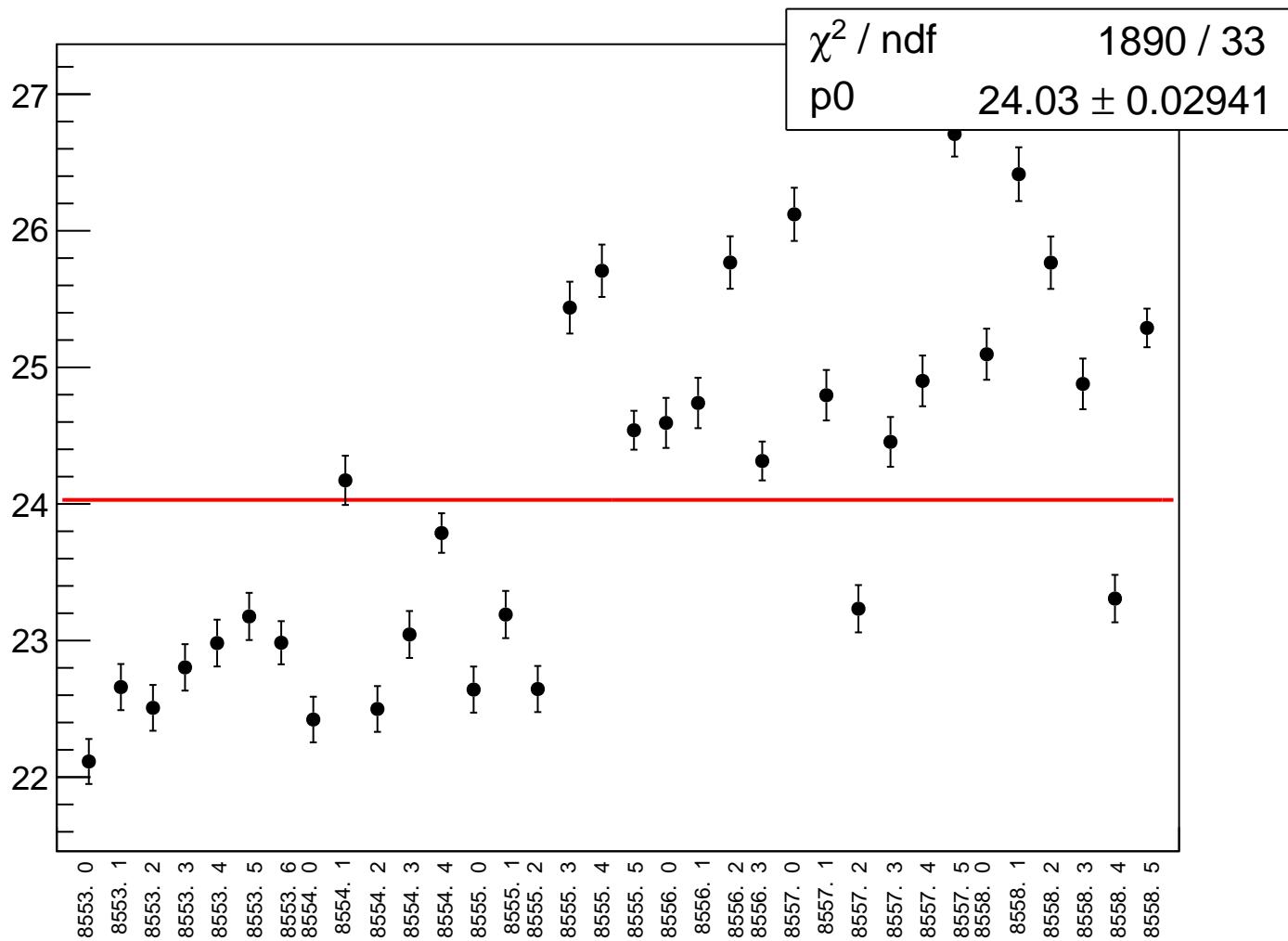
asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run



asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run

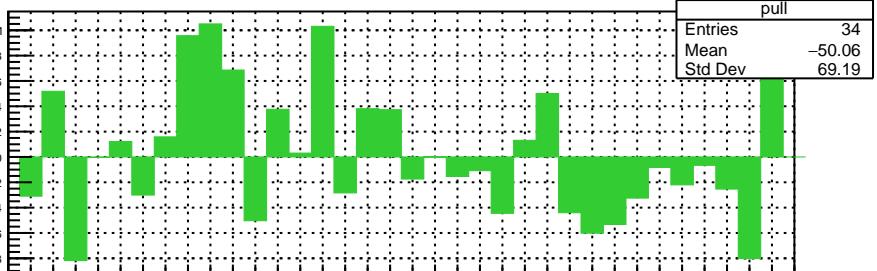
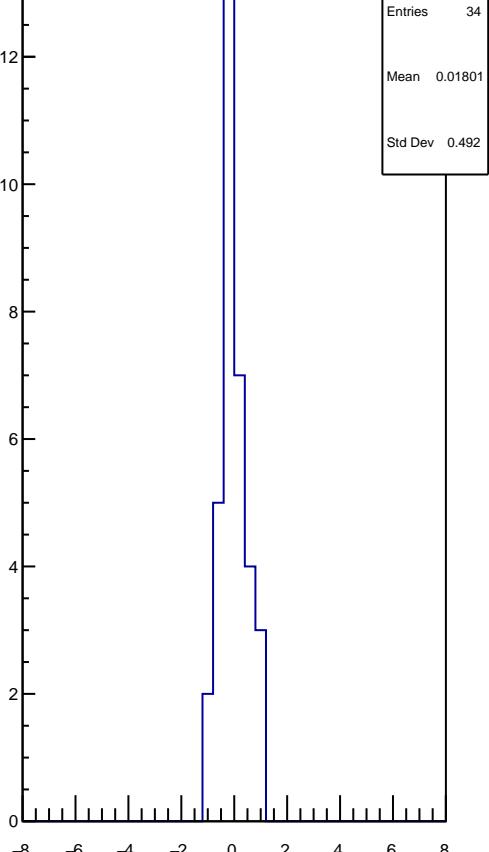
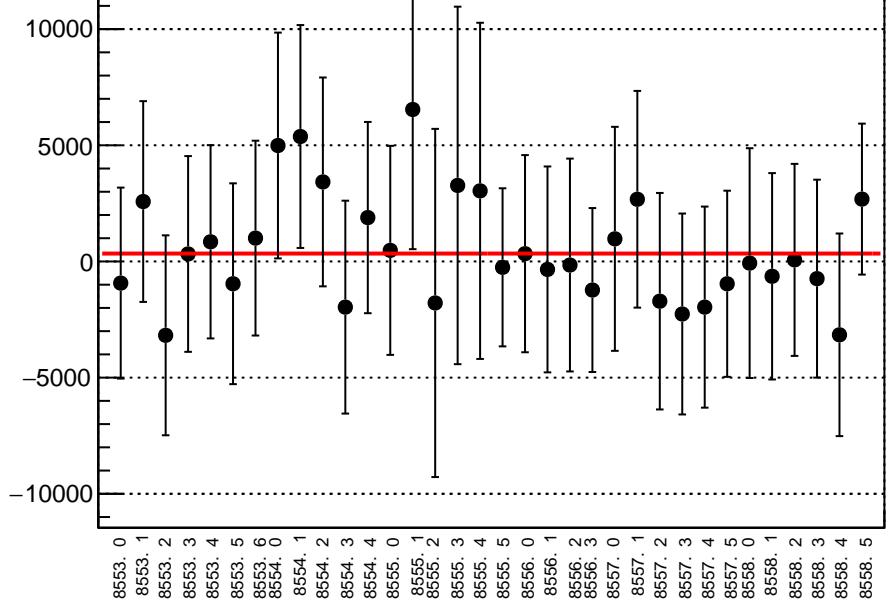


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run

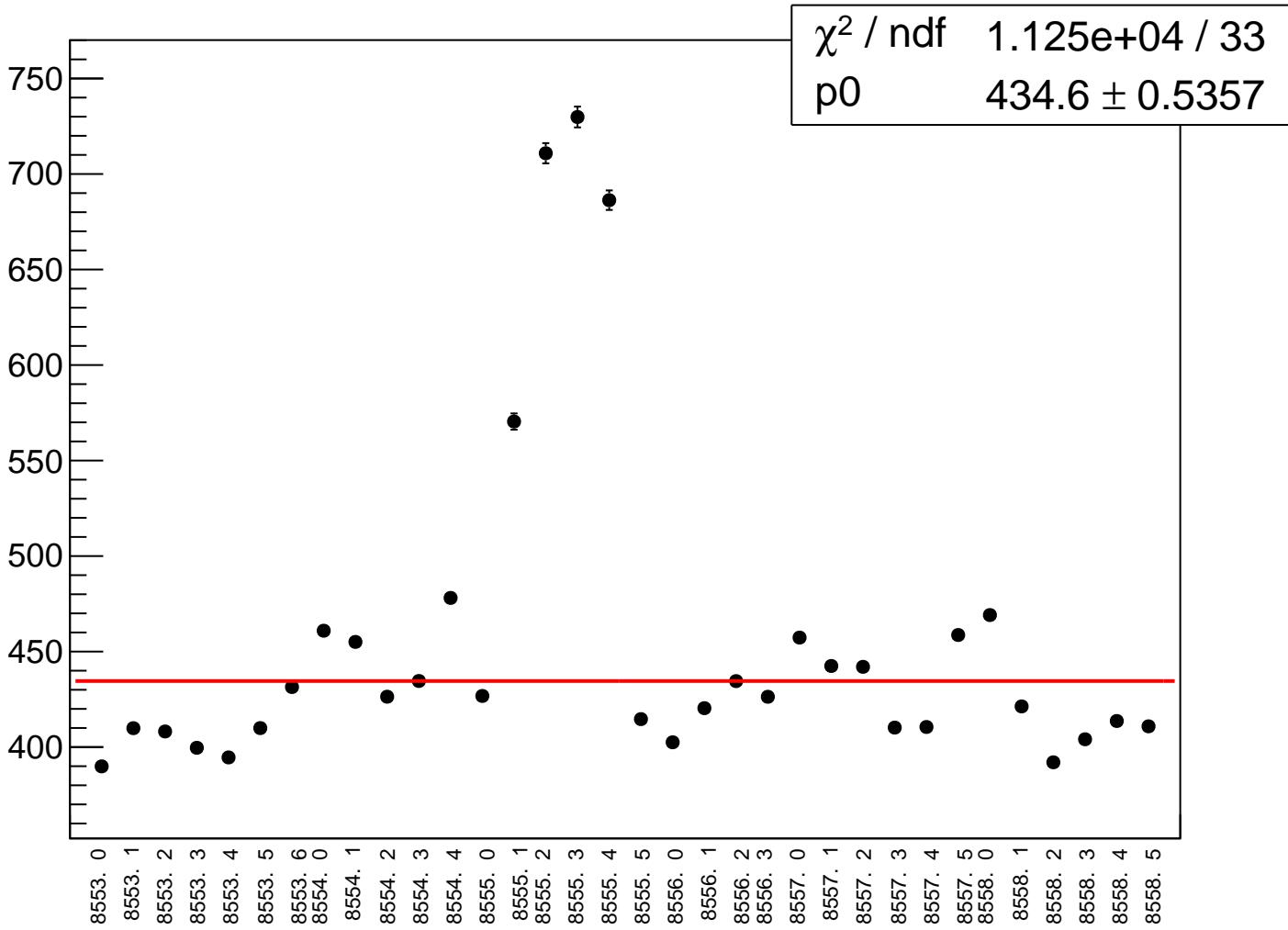


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run

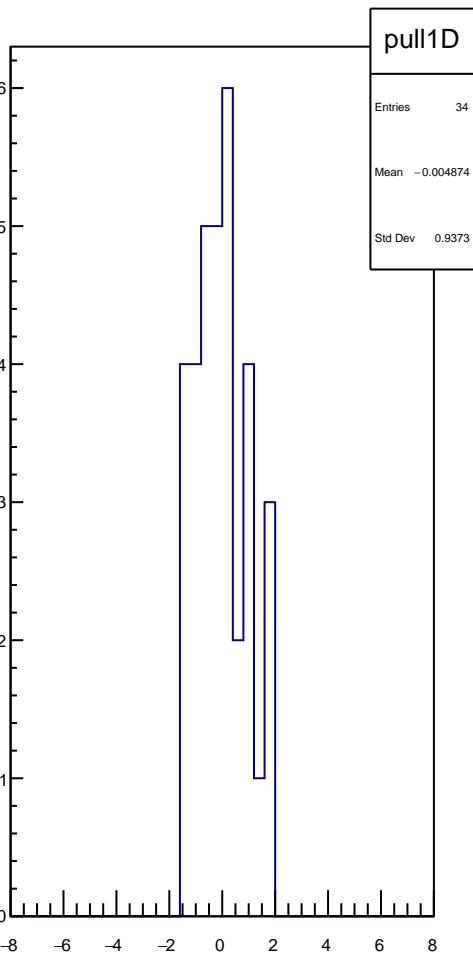
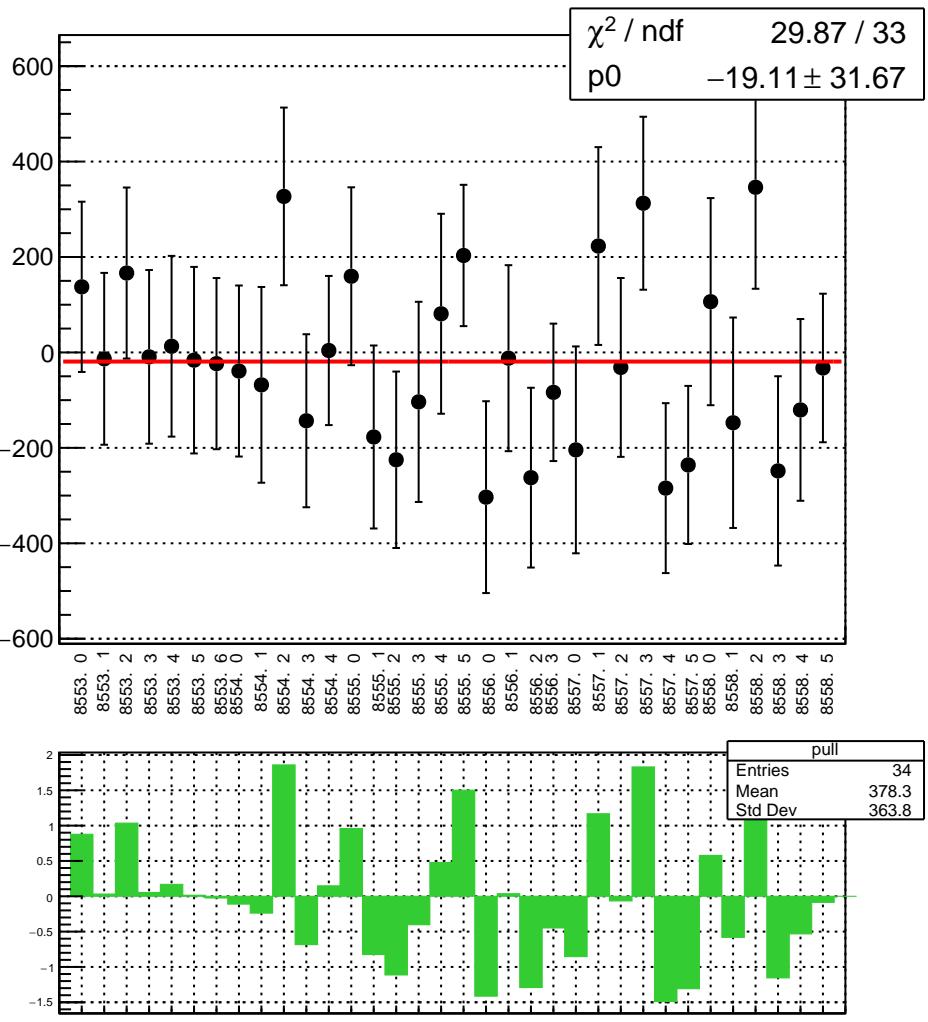
χ^2 / ndf 8.242 / 33
p0 340.1 ± 757.7



asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run



asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run



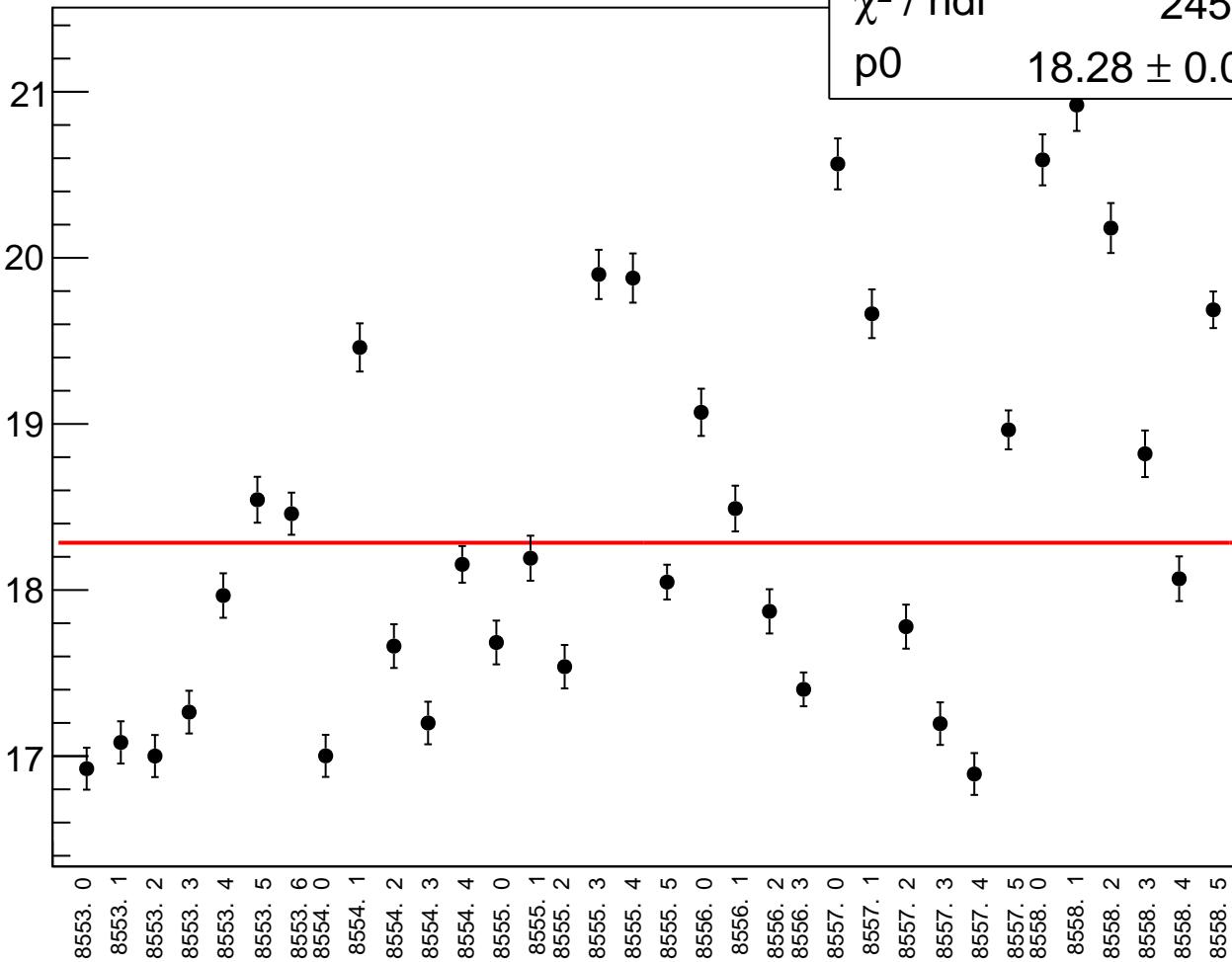
asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run

χ^2 / ndf

2459 / 33

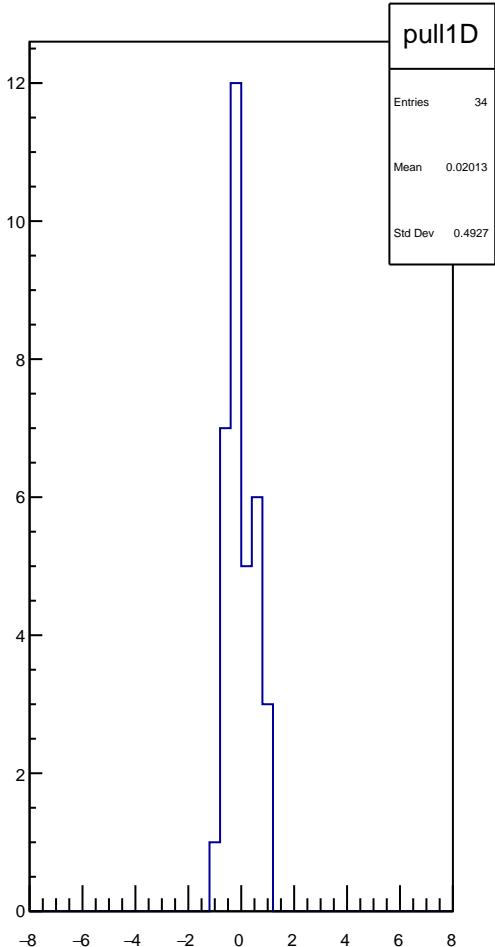
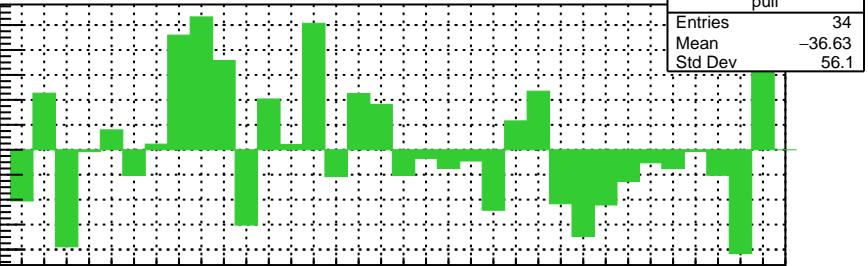
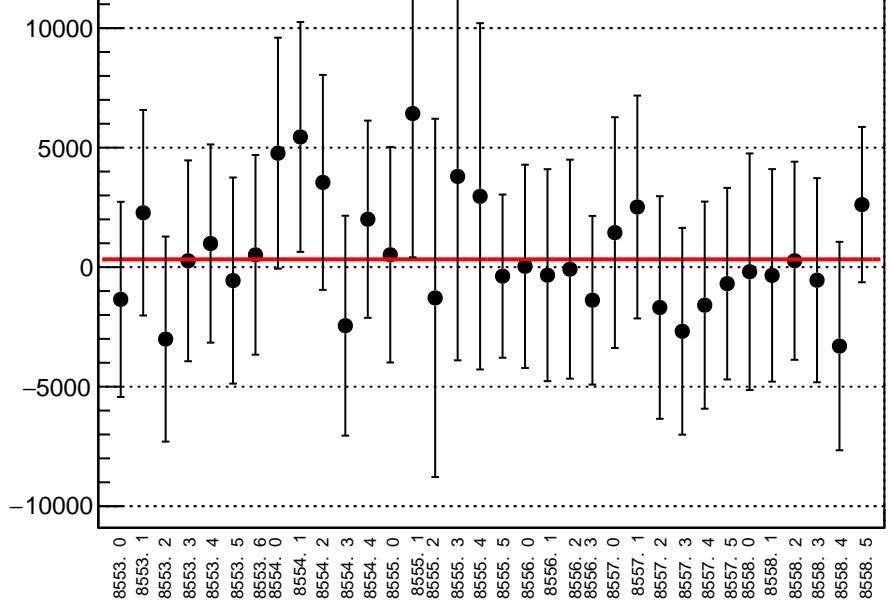
p0

18.28 ± 0.02239

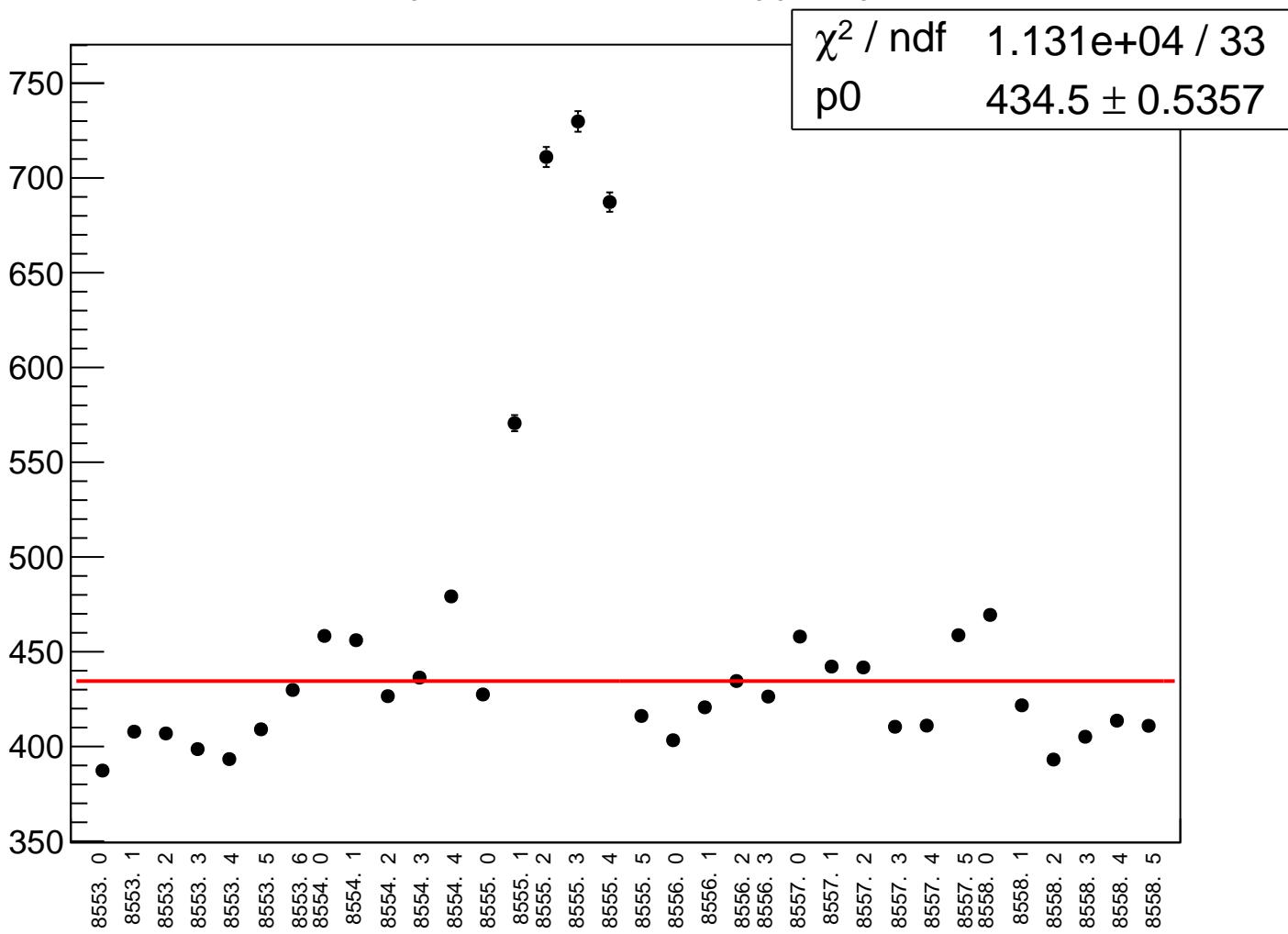


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run

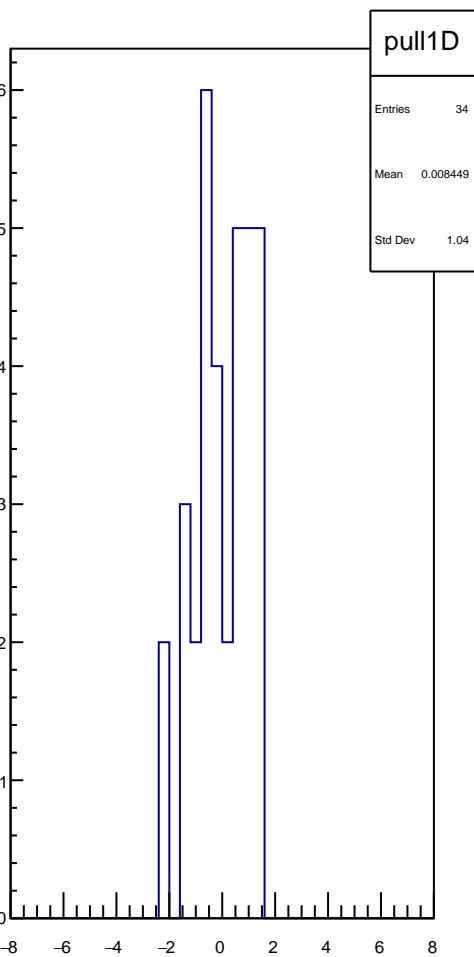
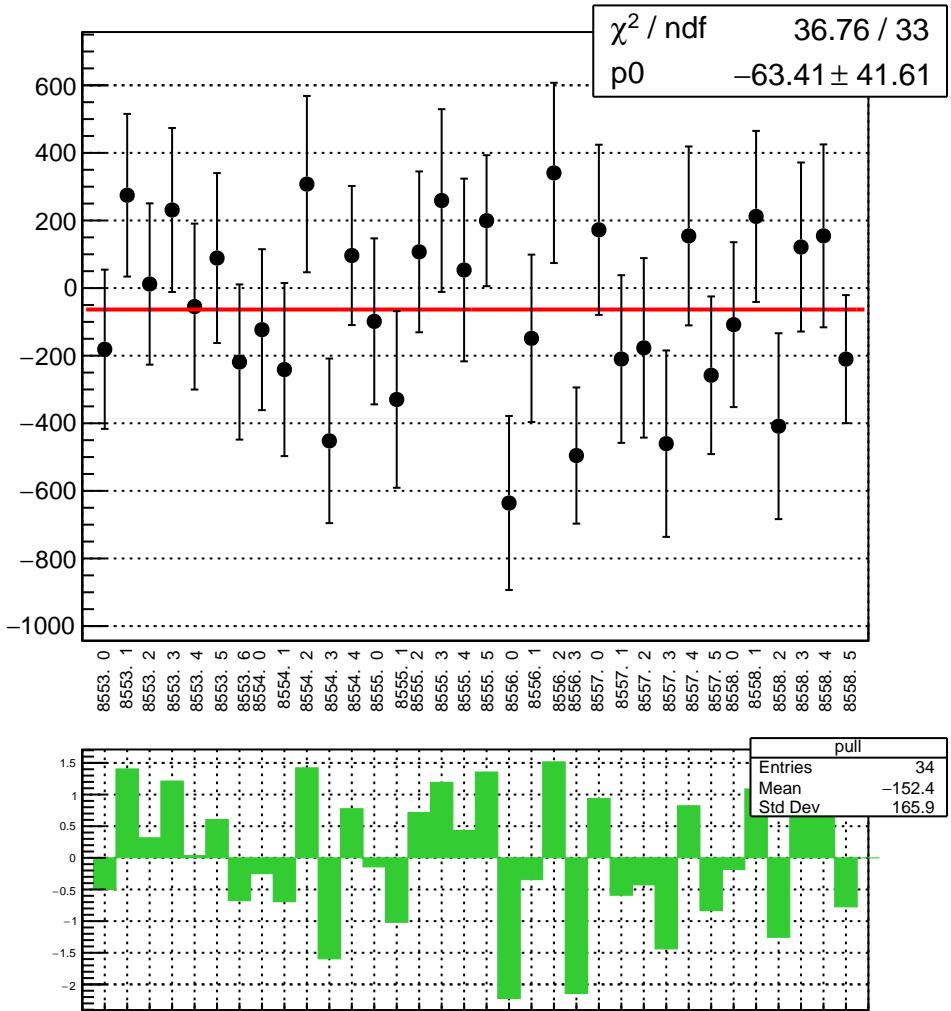
χ^2 / ndf 8.266 / 33
p0 327.4 ± 757.6



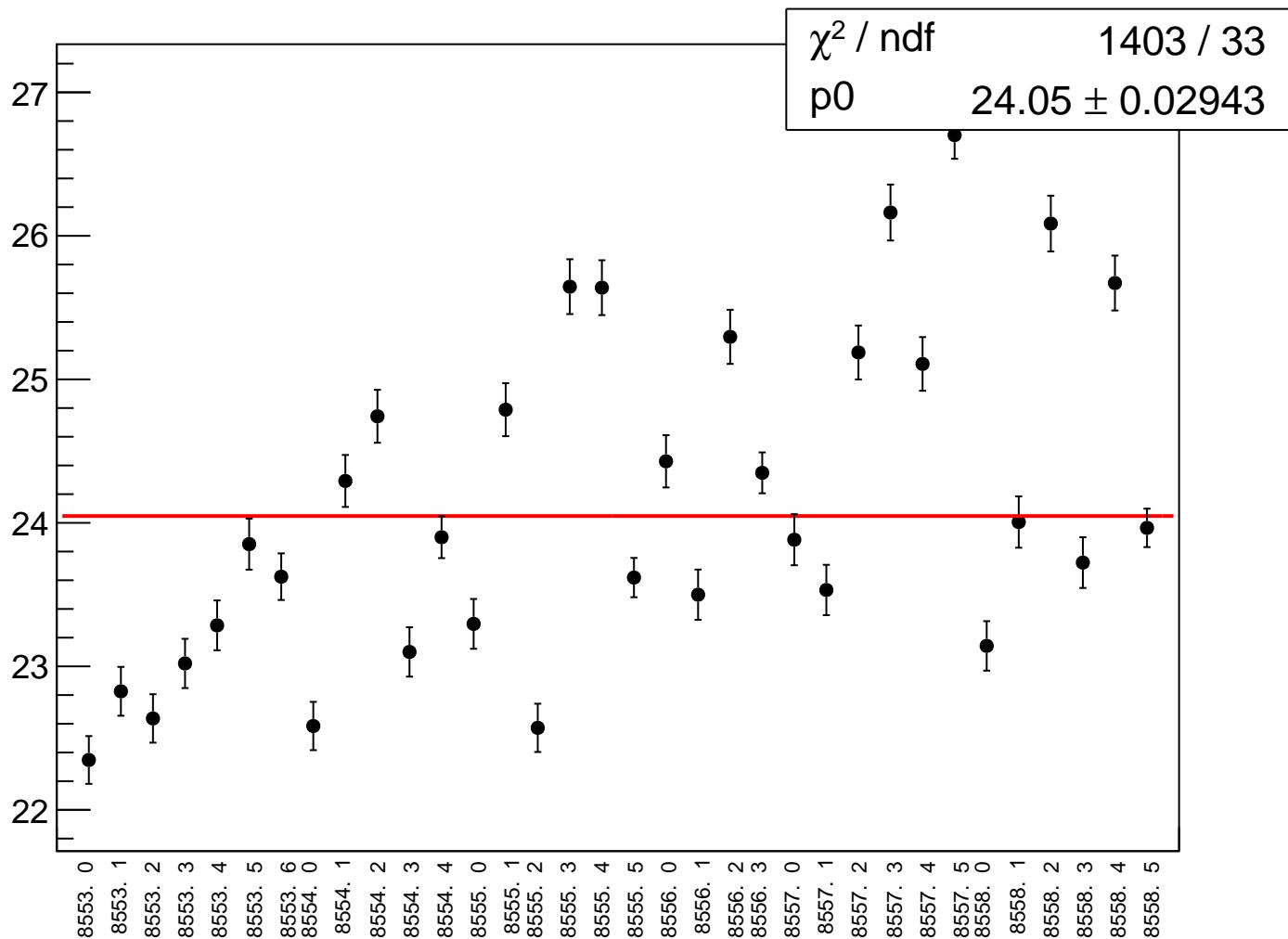
asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run



asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run

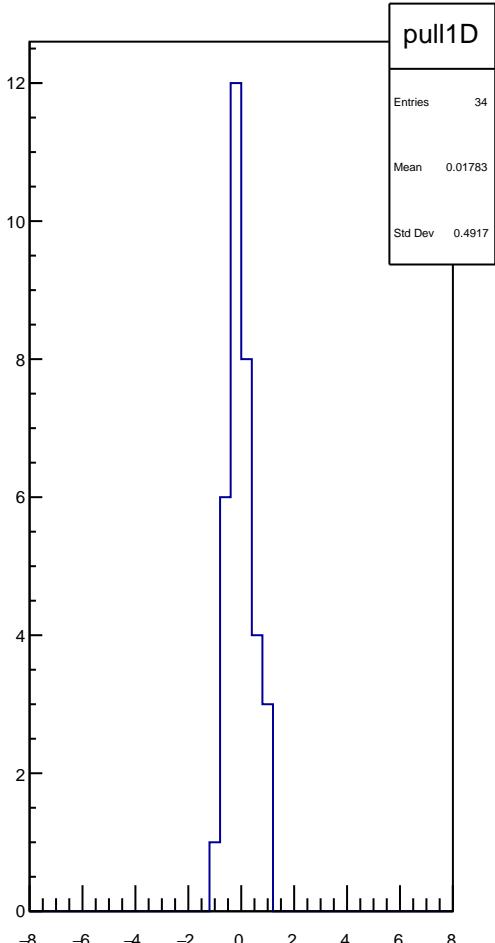
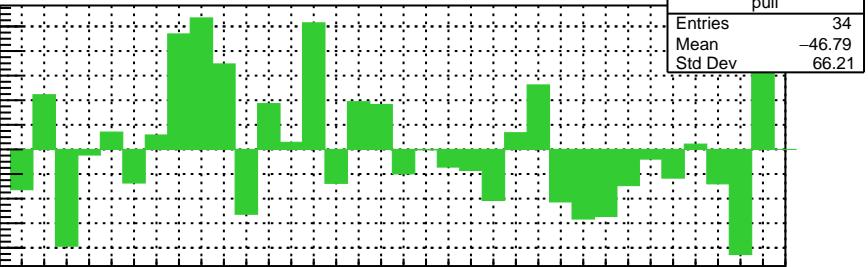
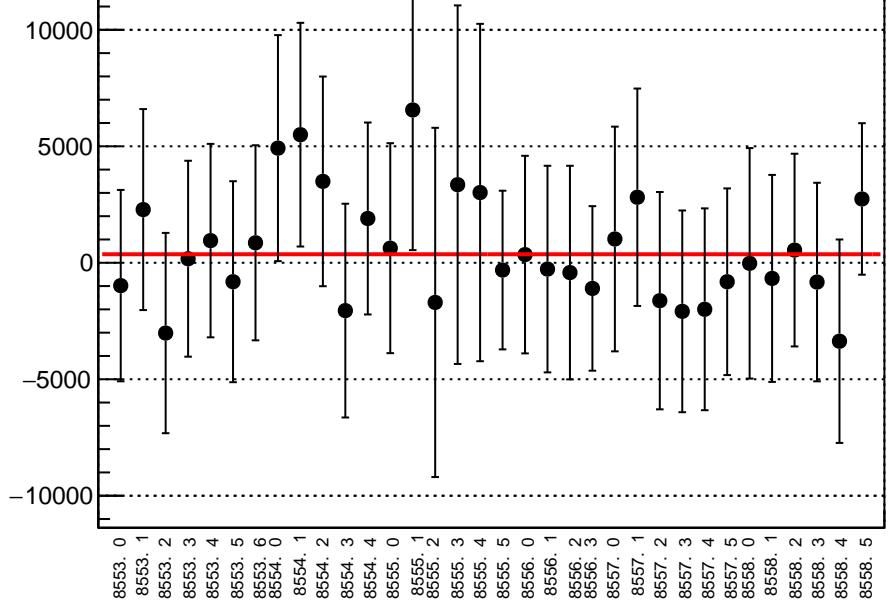


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run

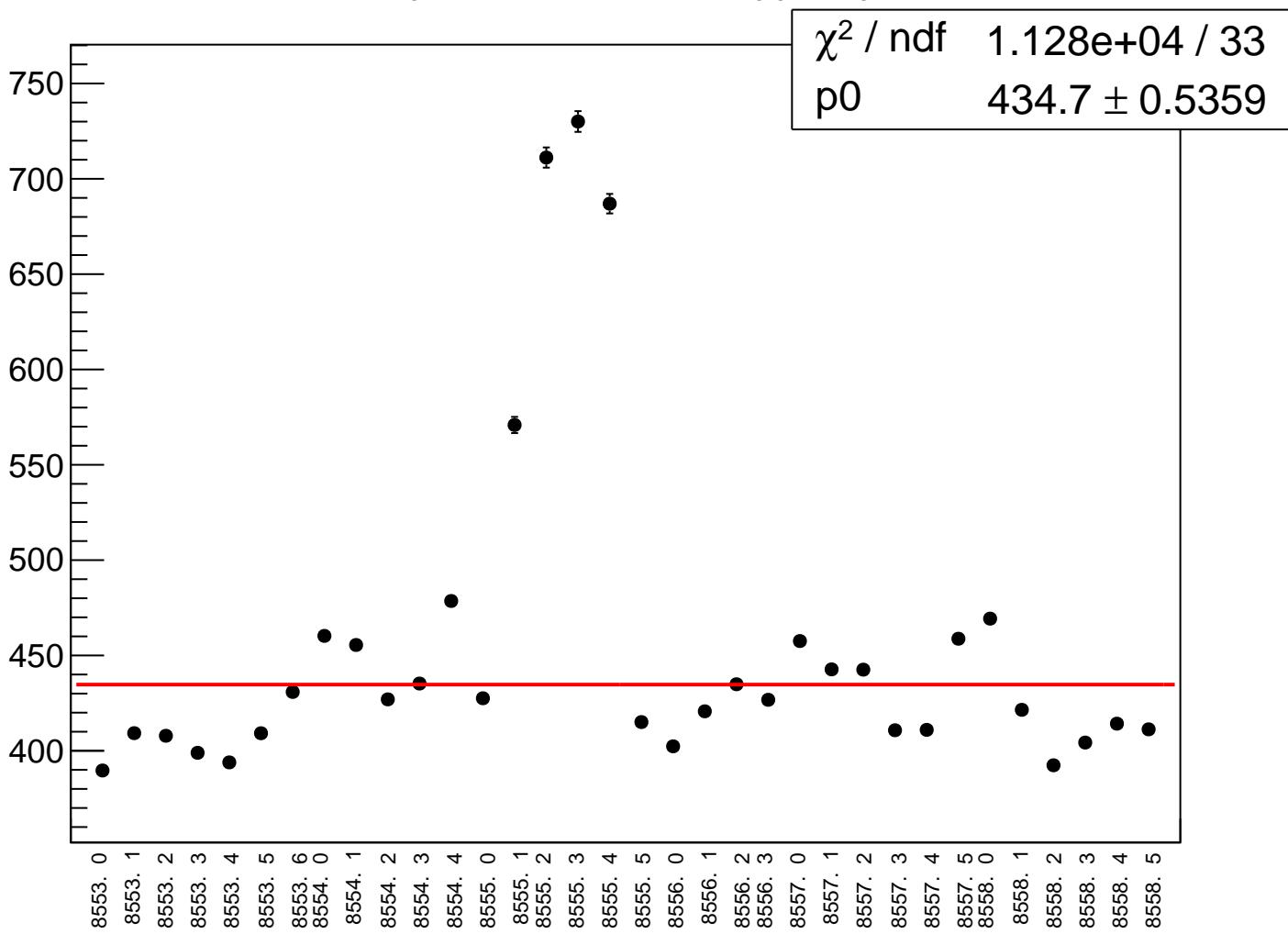


asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run

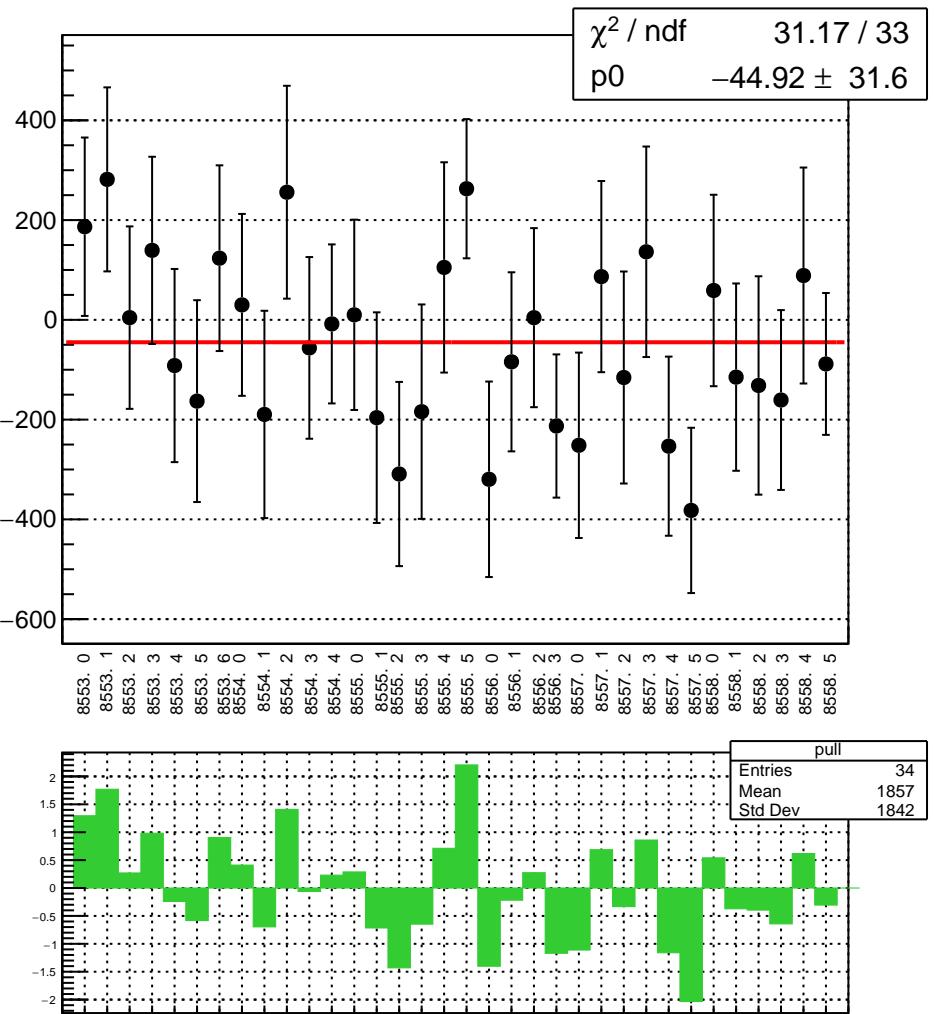
χ^2 / ndf 8.23 / 33
p0 365.7 ± 757.9



asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run



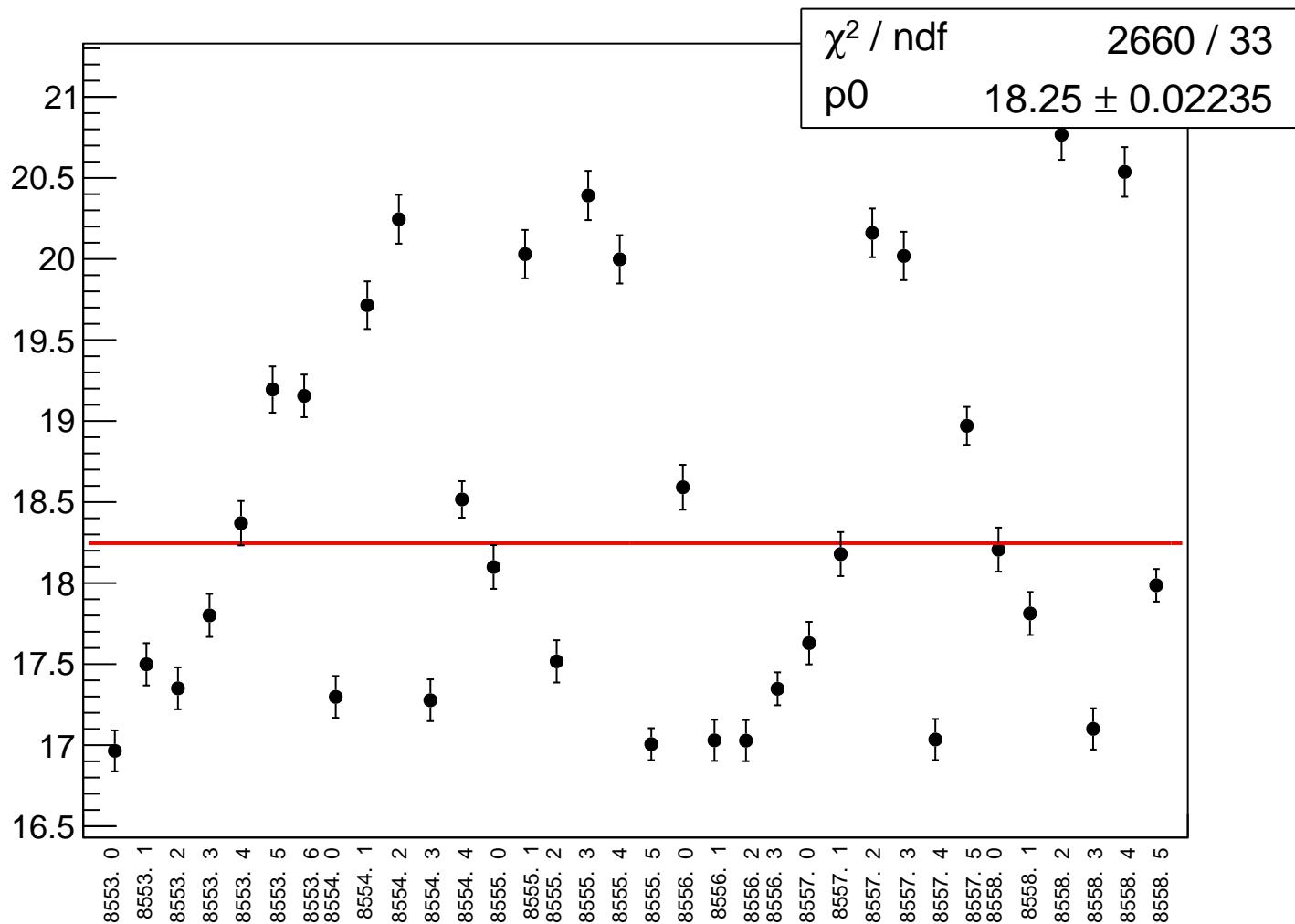
asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run



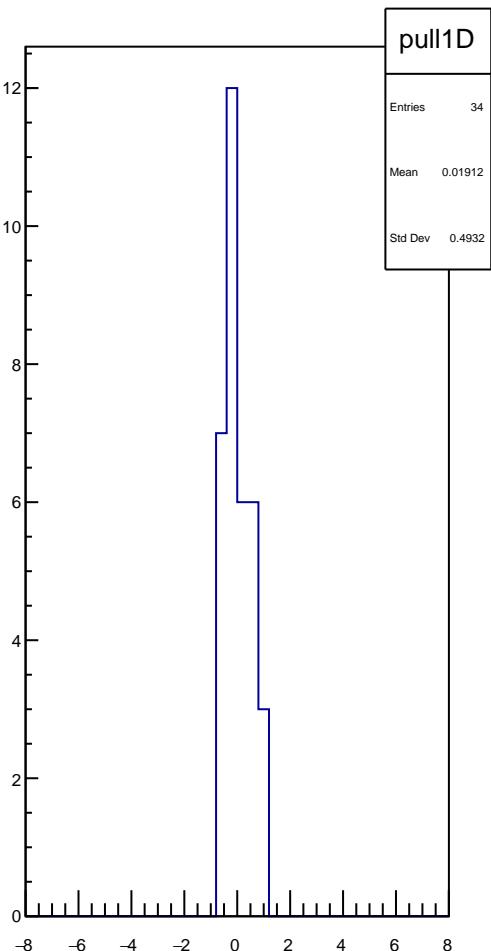
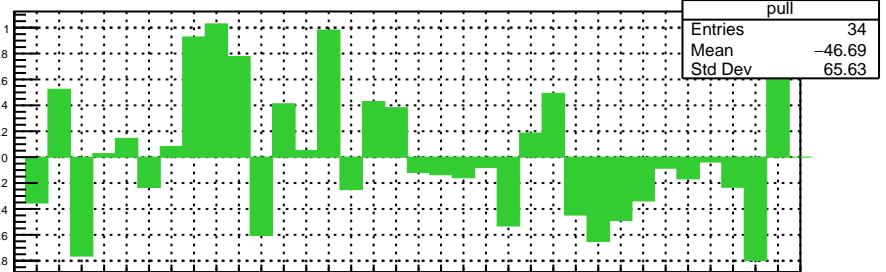
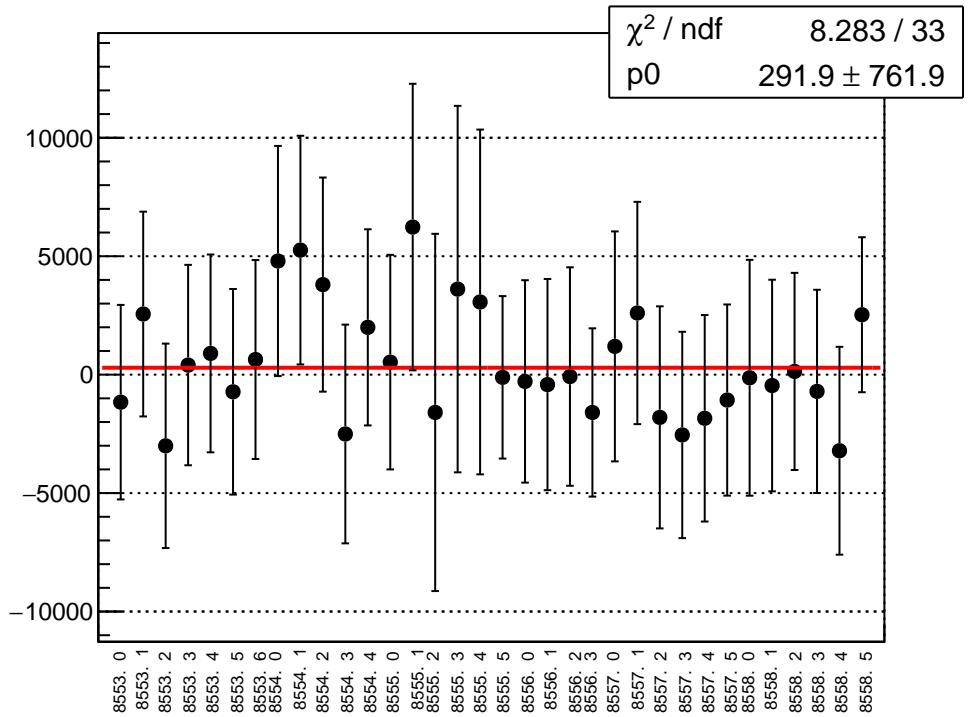
pull1D

Entries 34
Mean -0.001813
Std Dev 0.9575

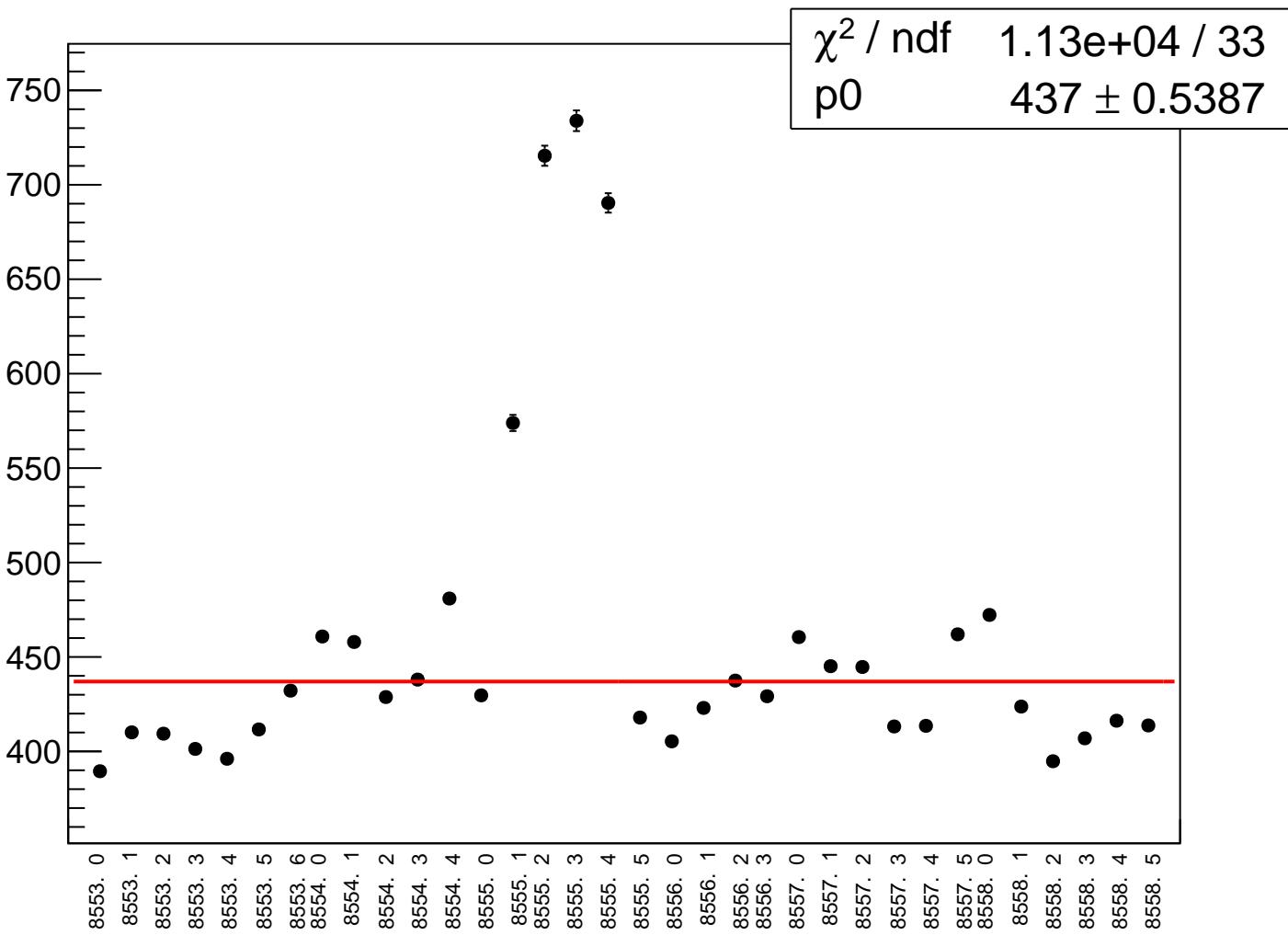
asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run



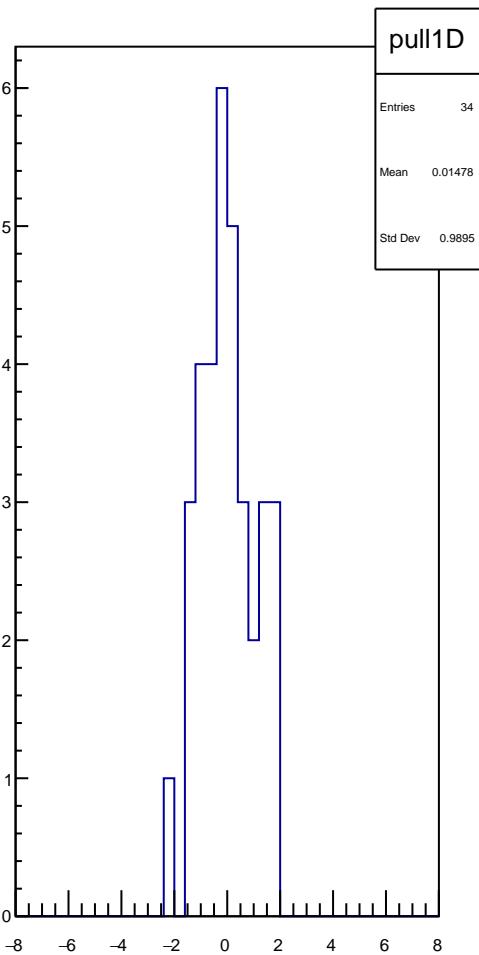
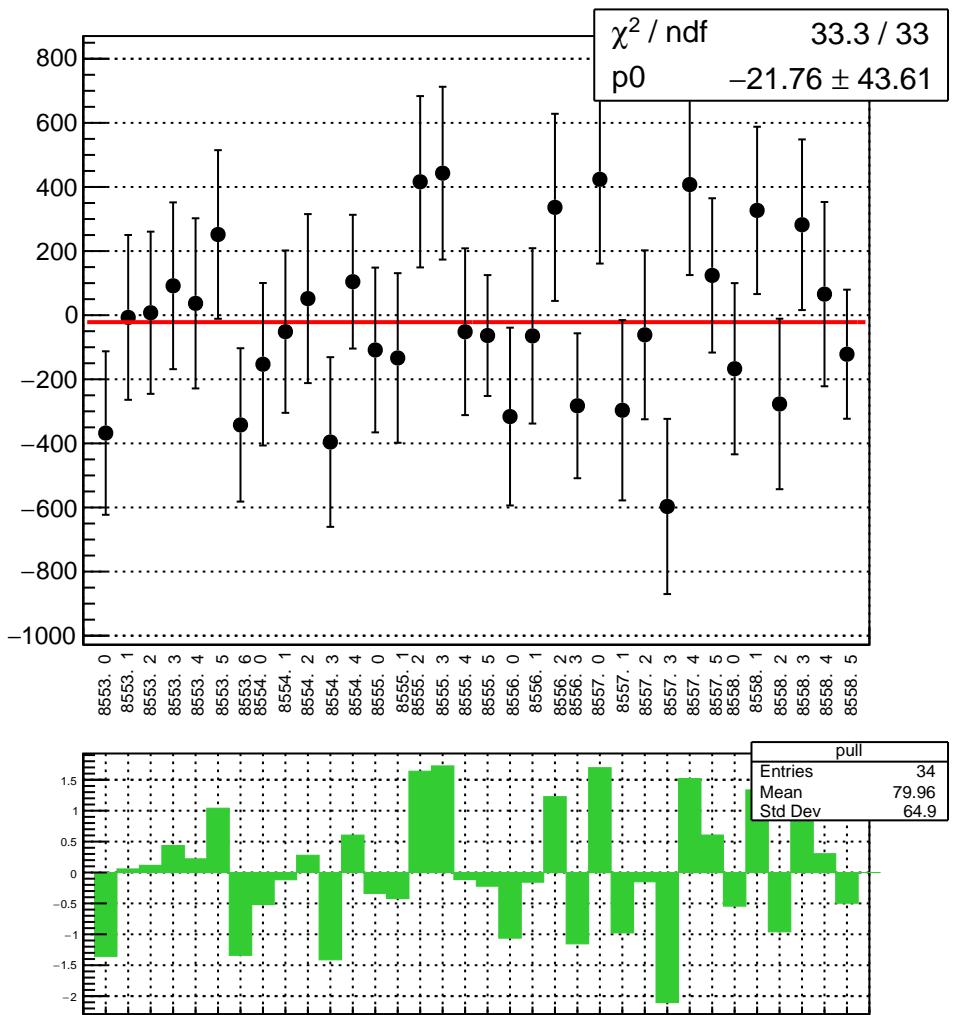
asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run



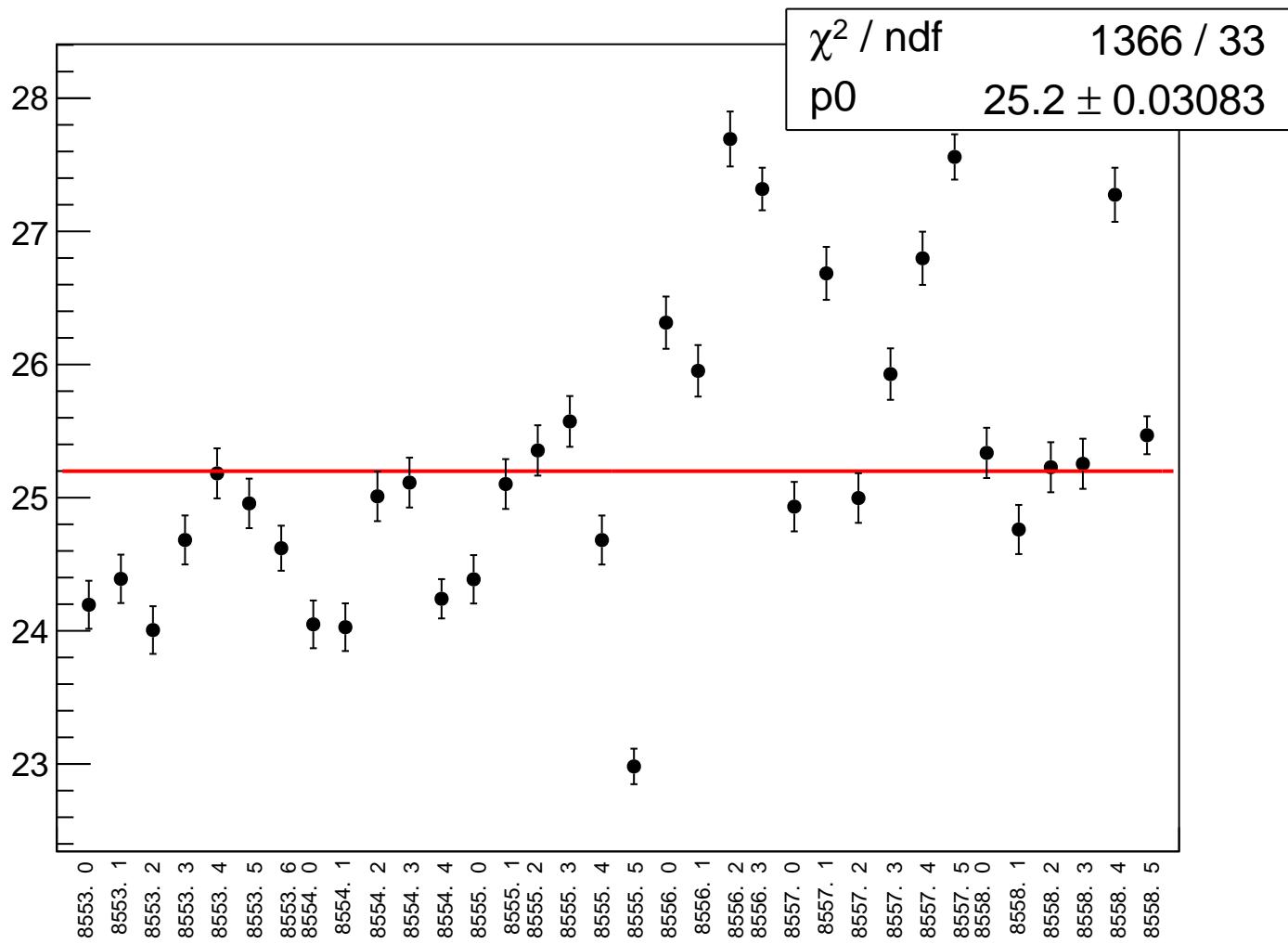
asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run



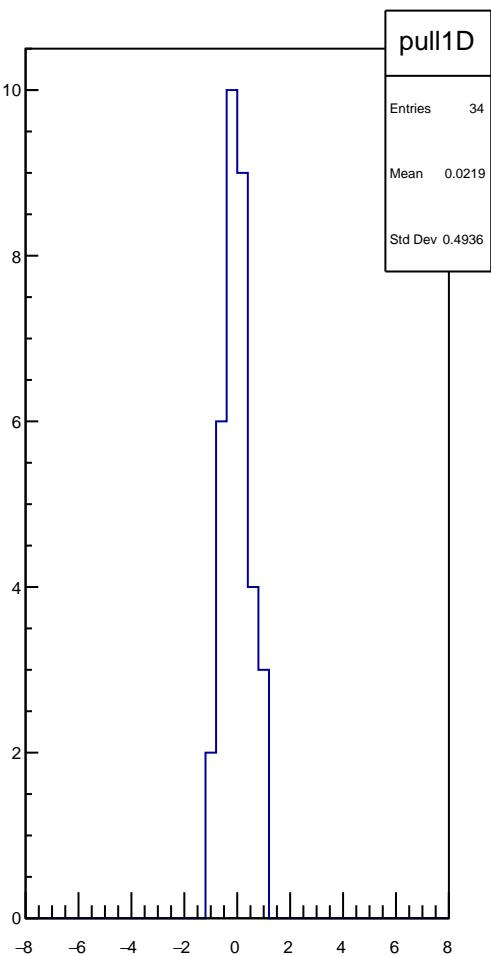
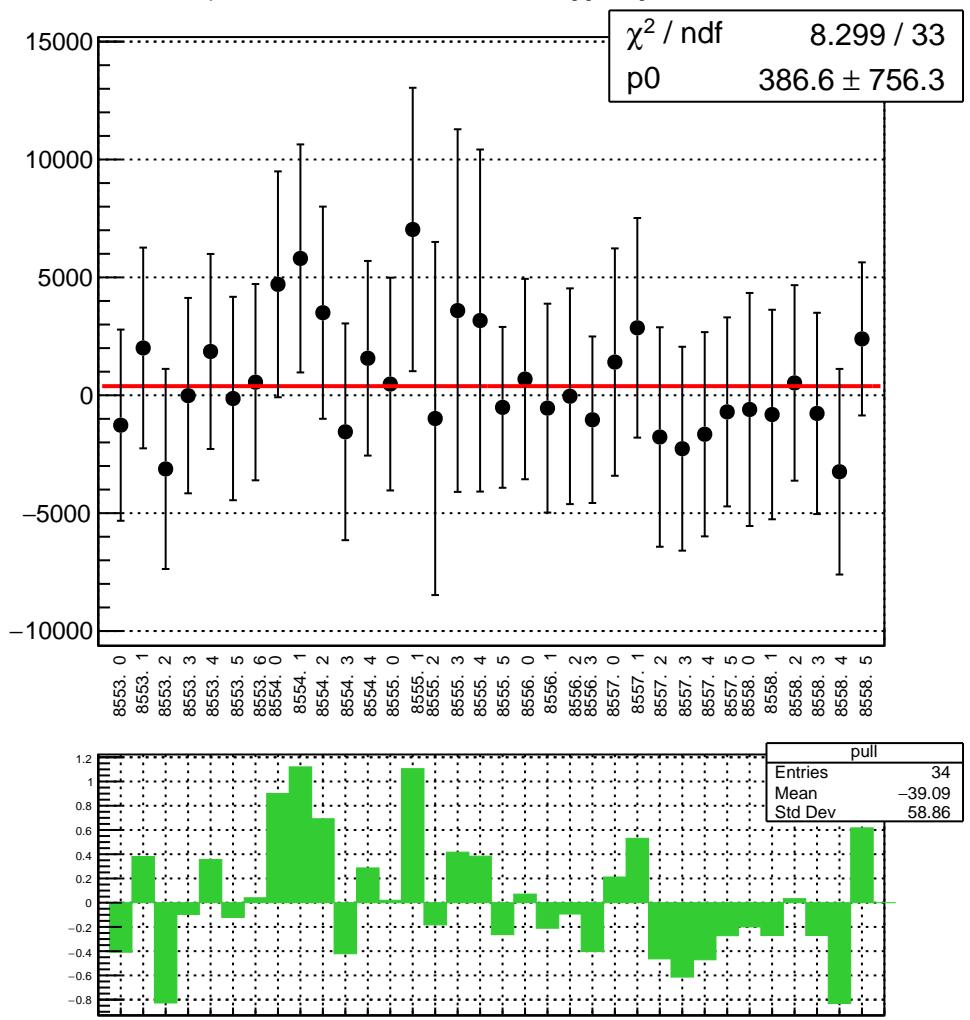
asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run



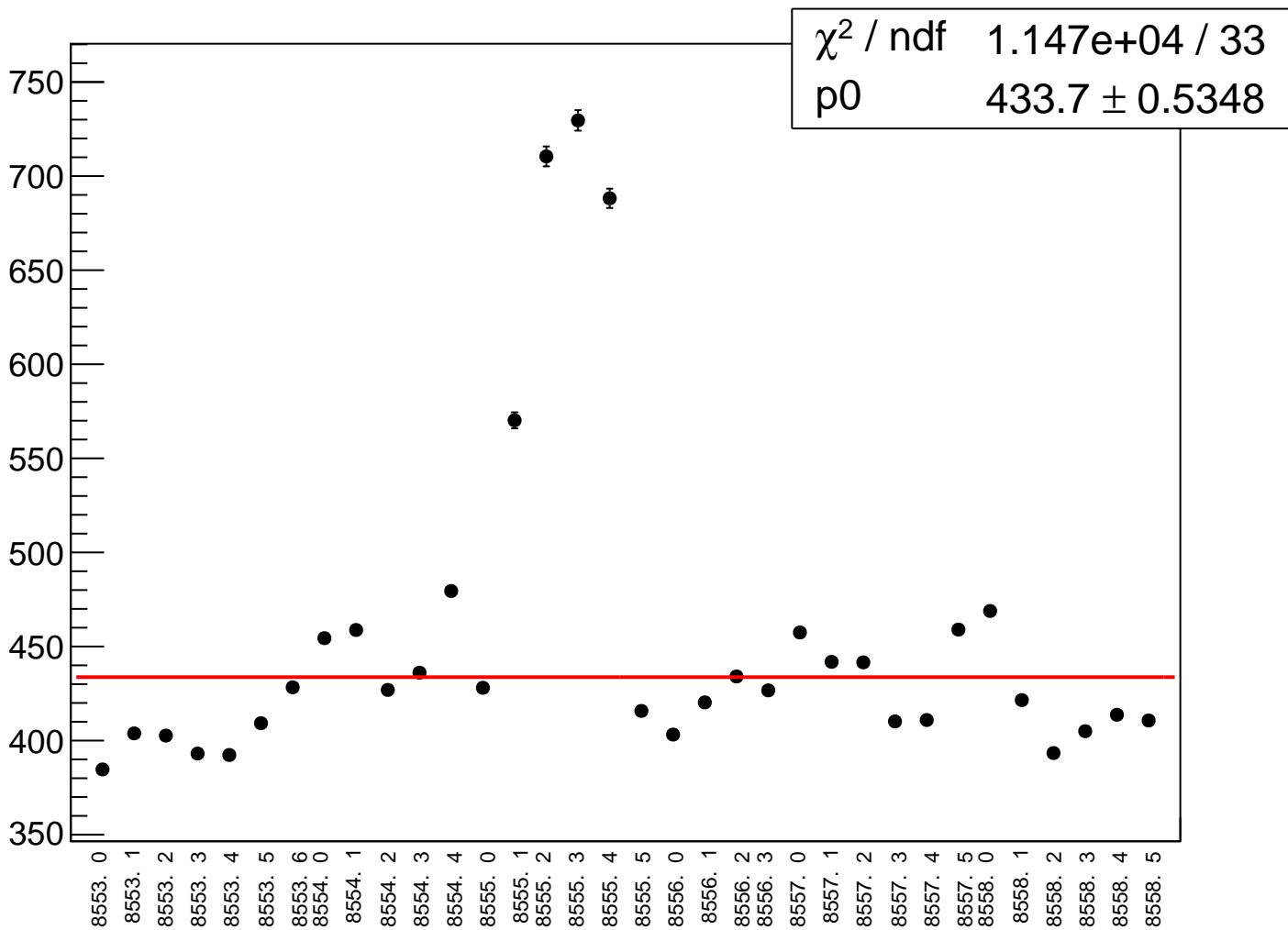
asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run



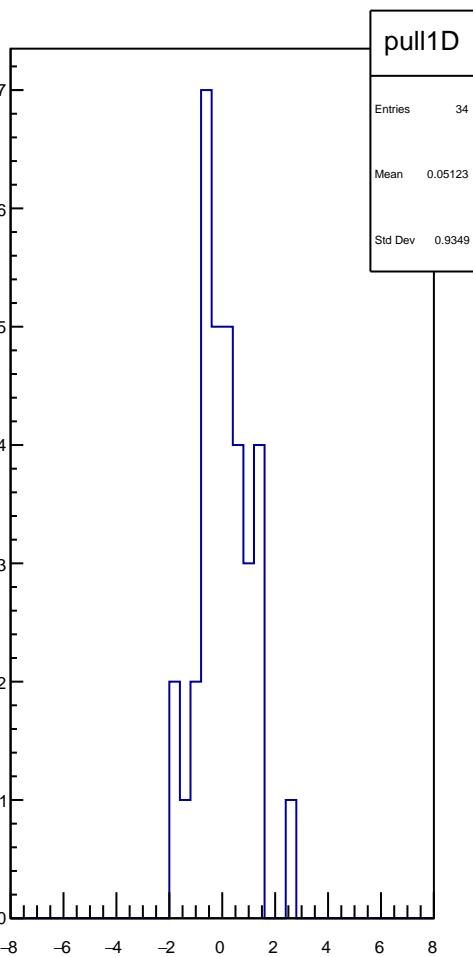
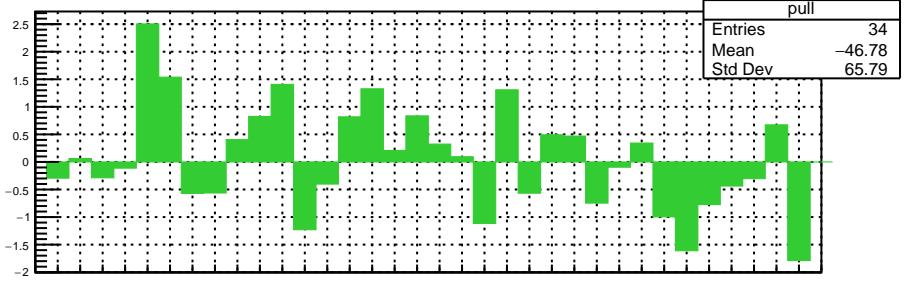
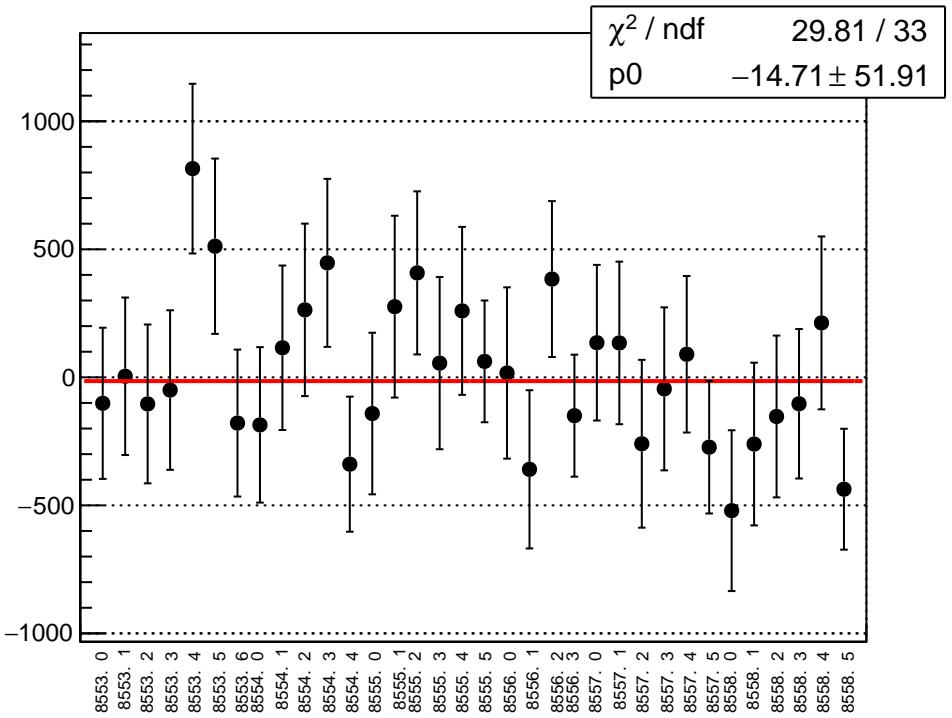
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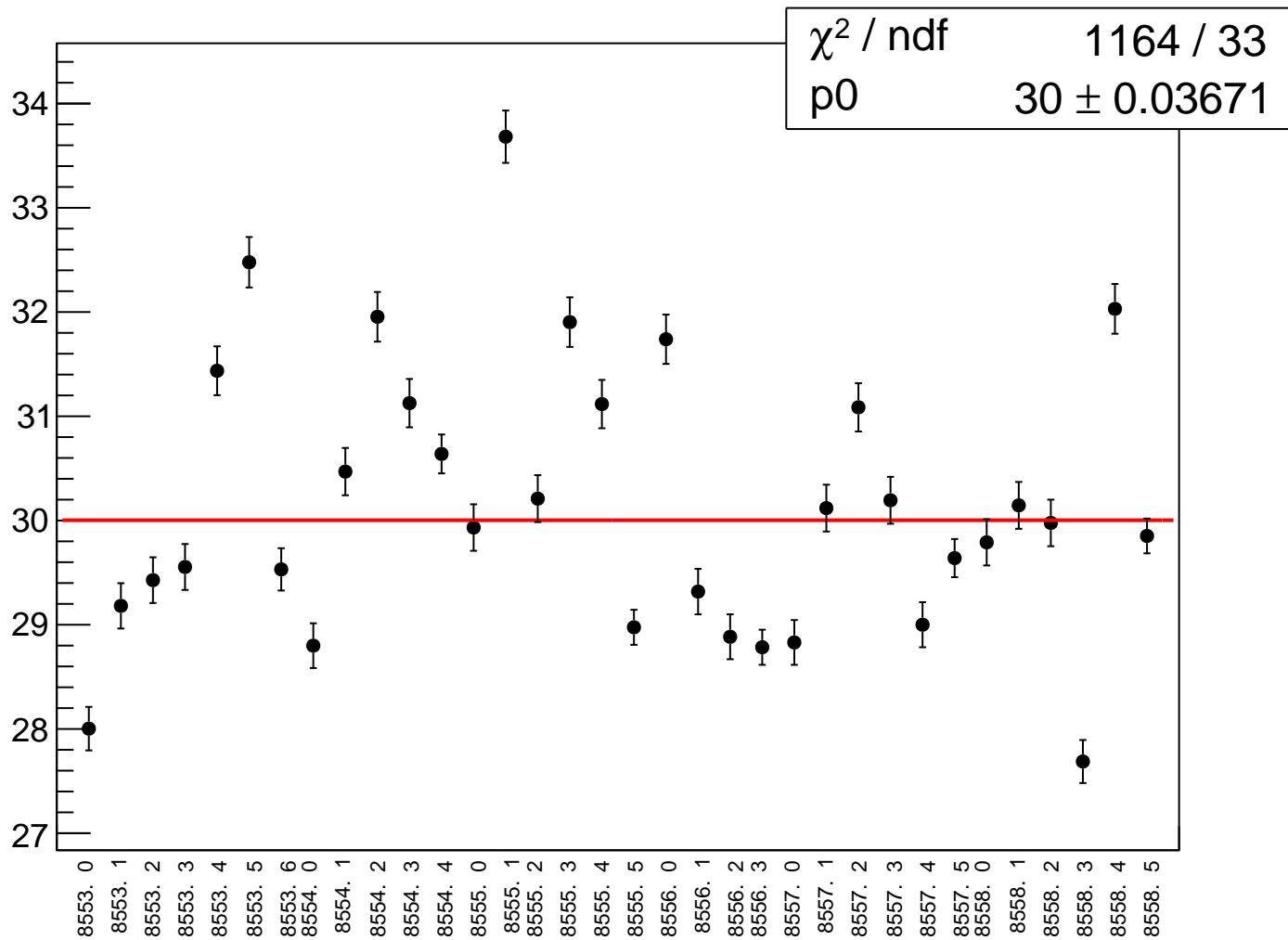
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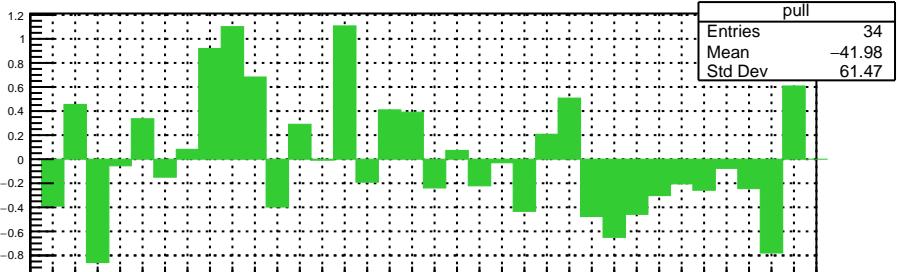
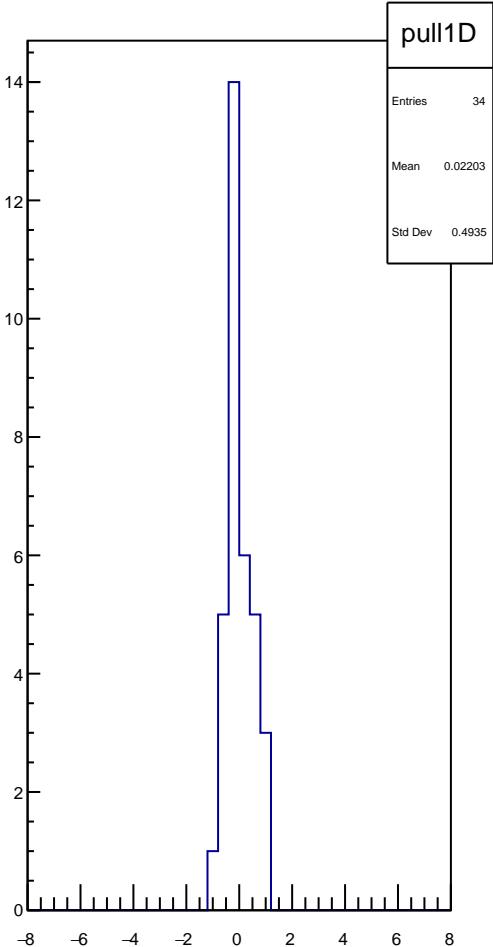
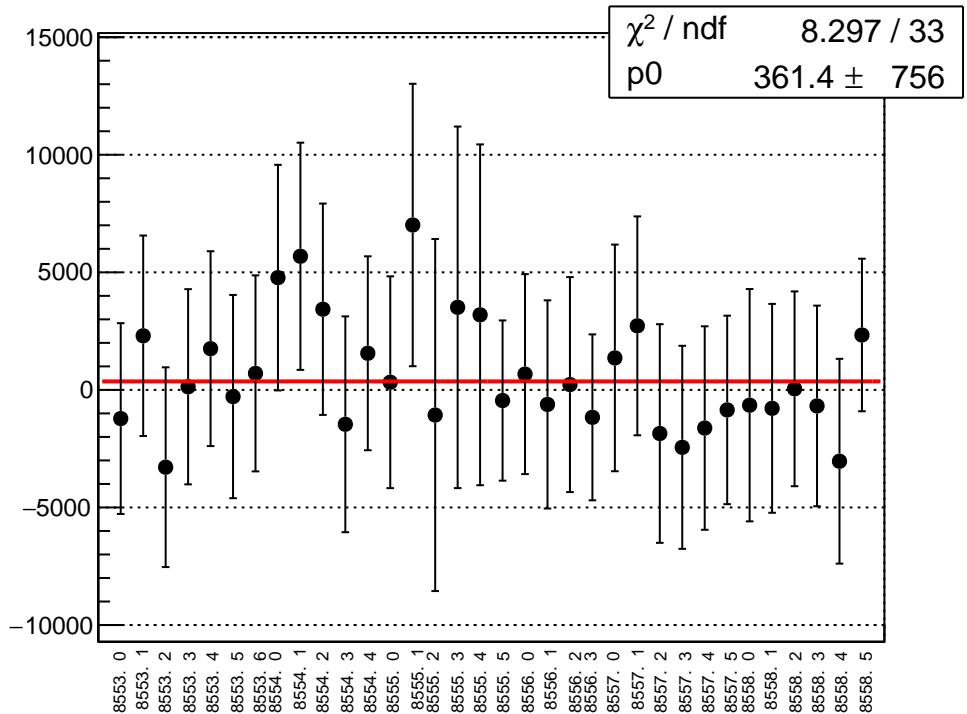
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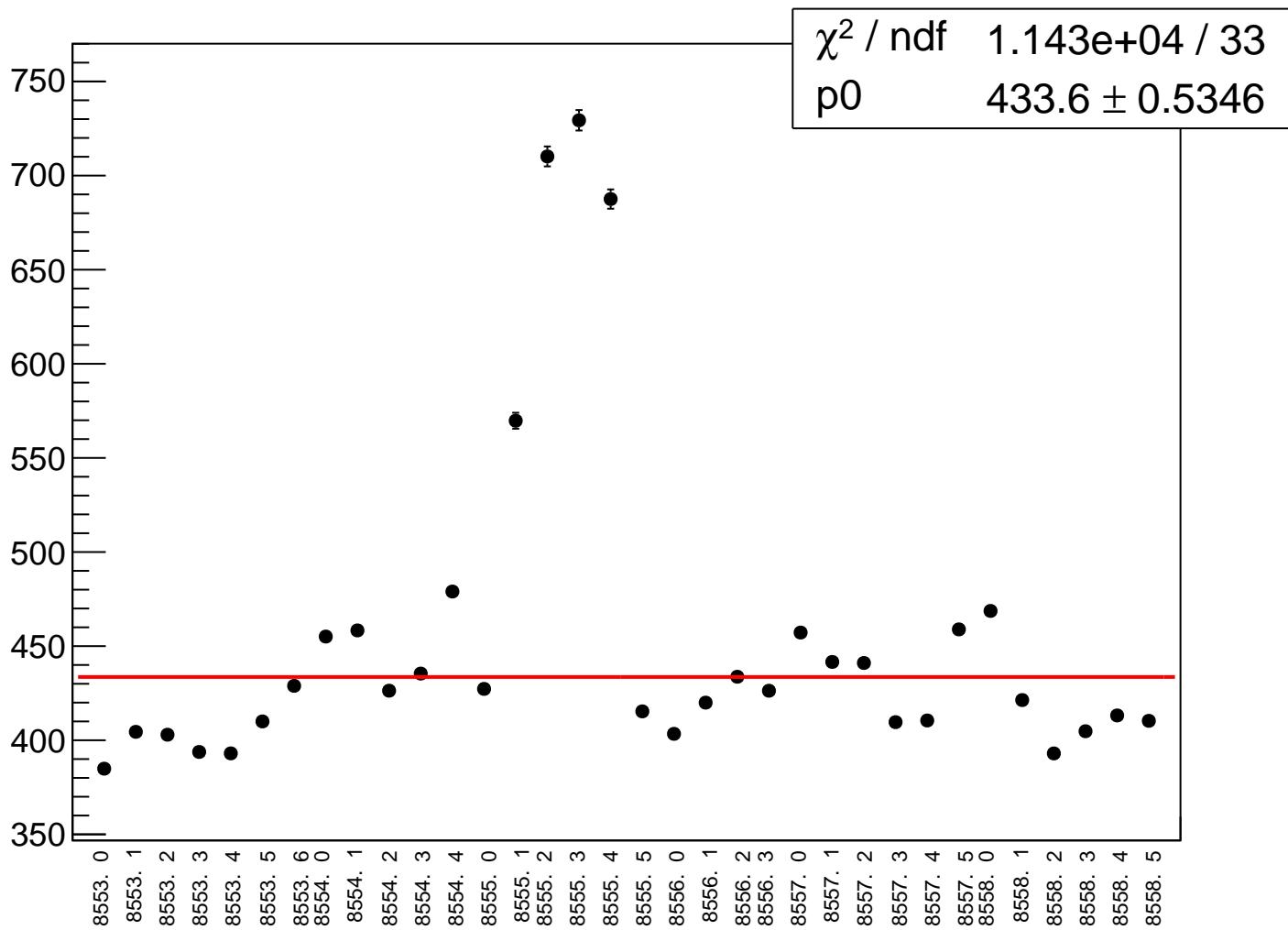
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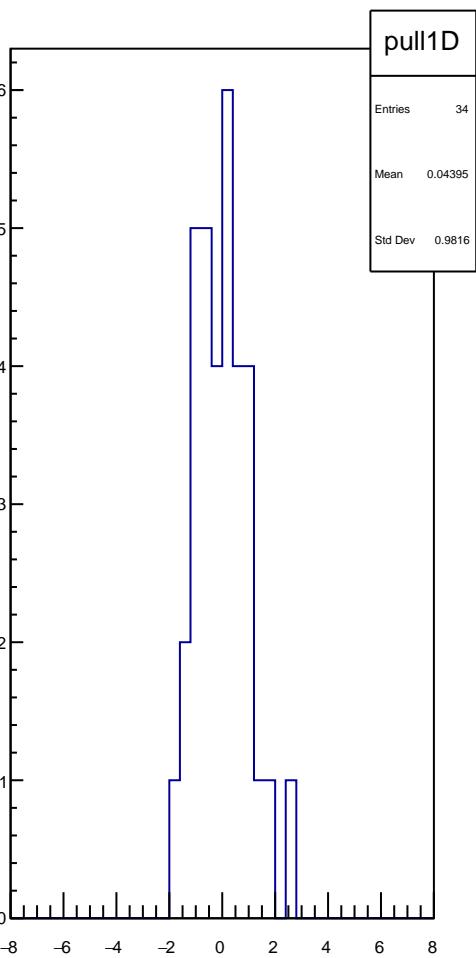
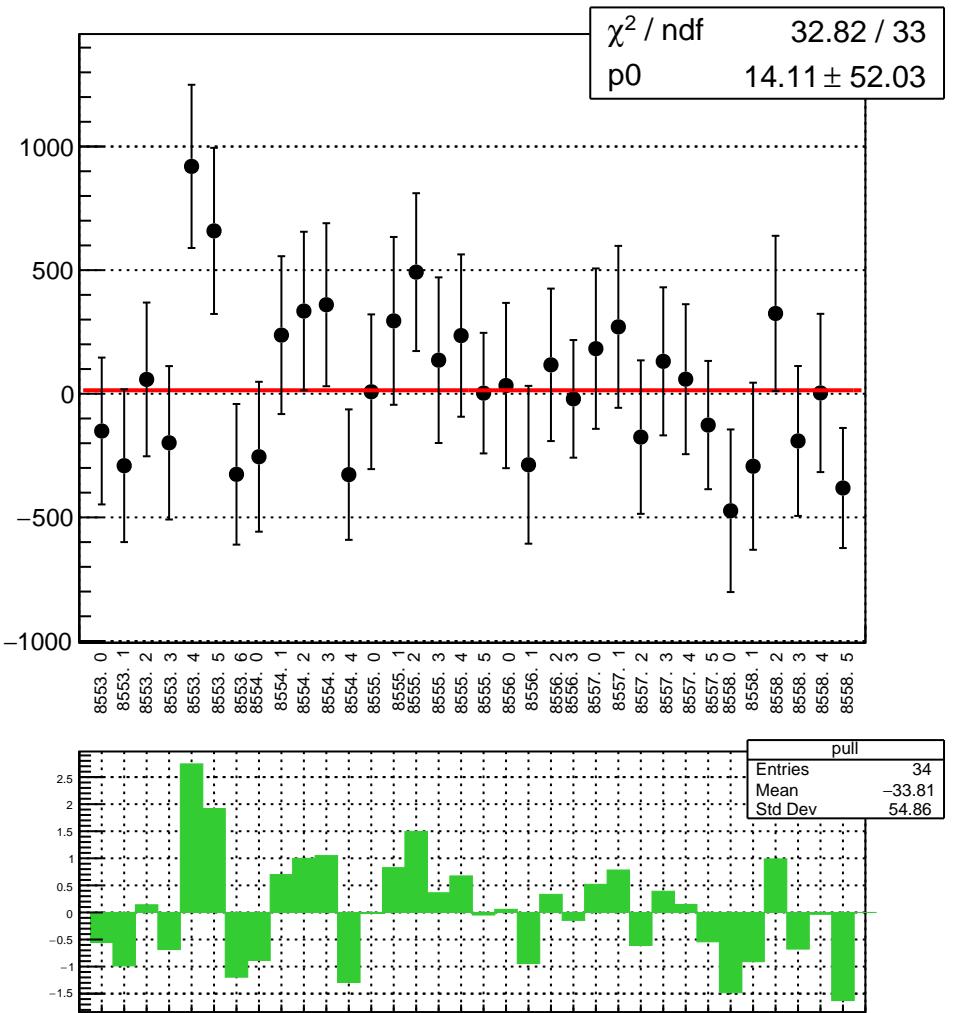
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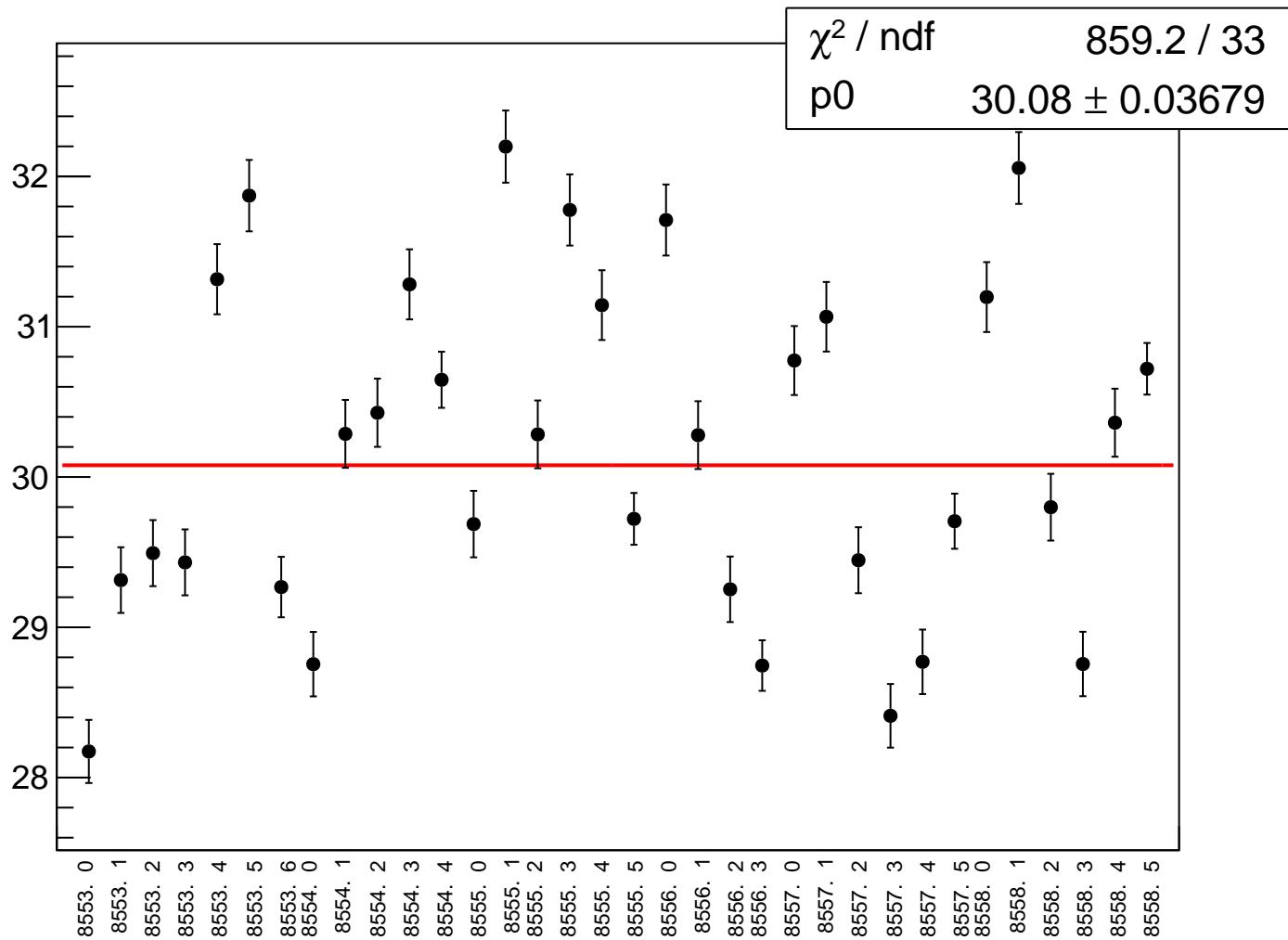
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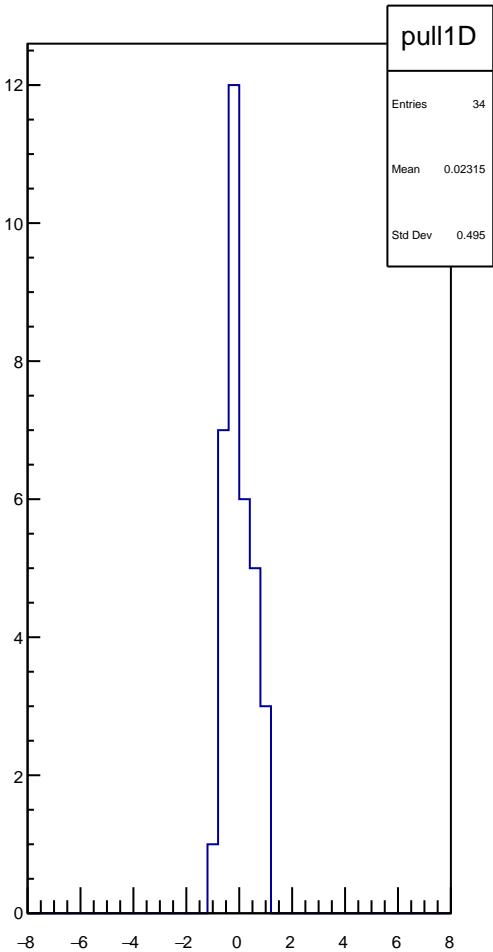
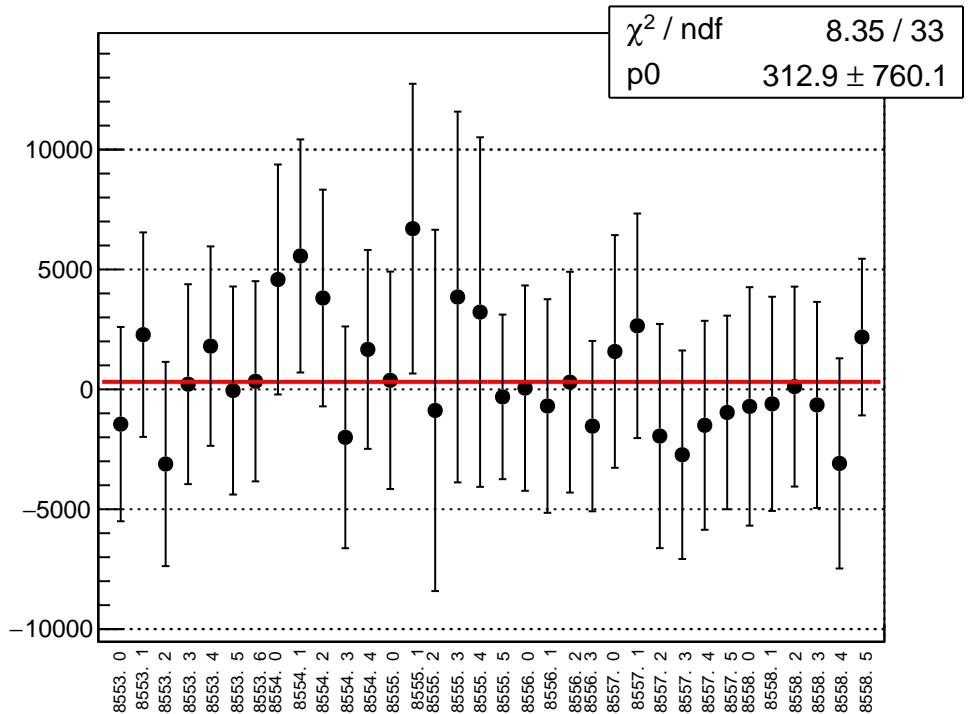
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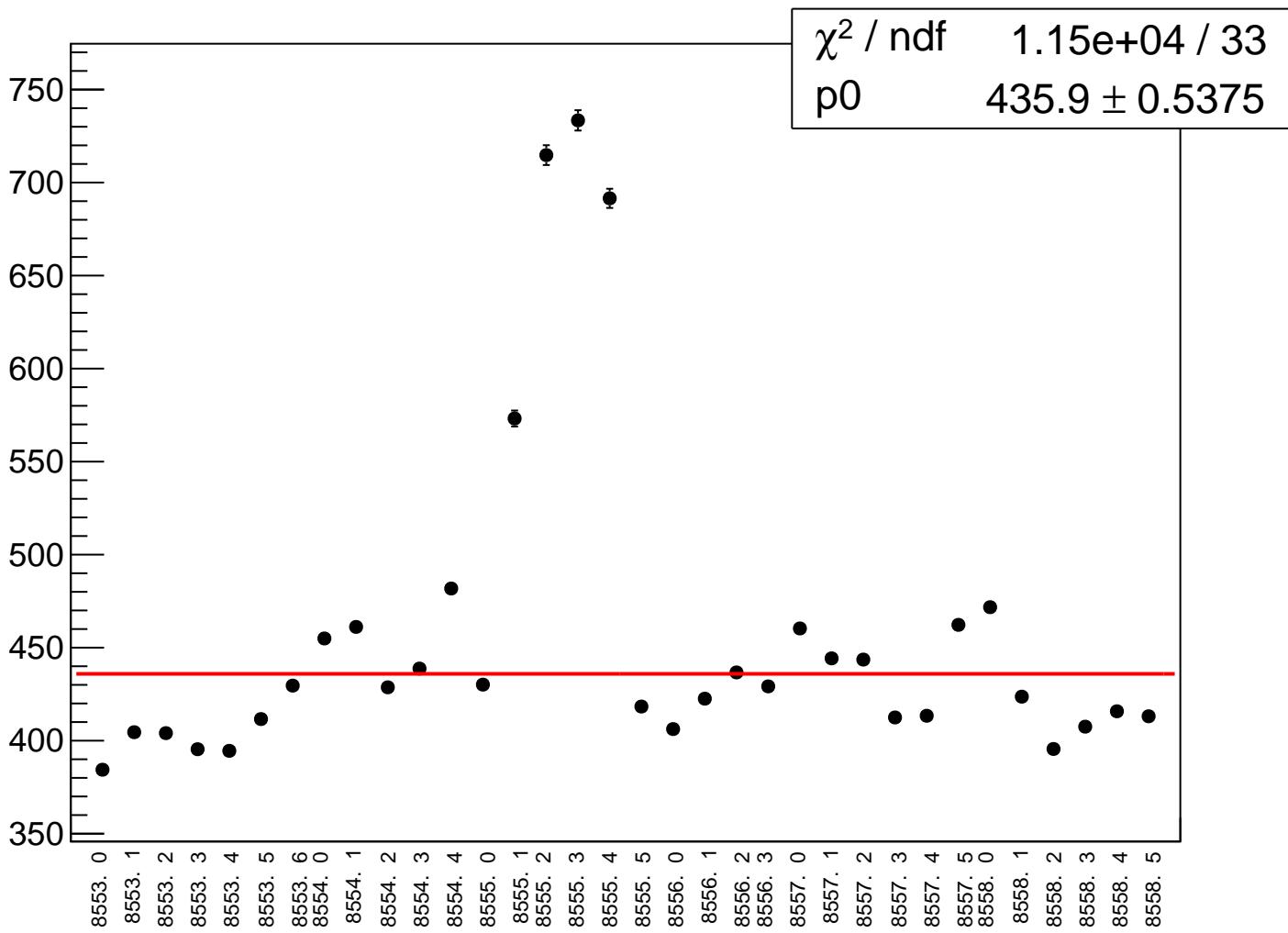
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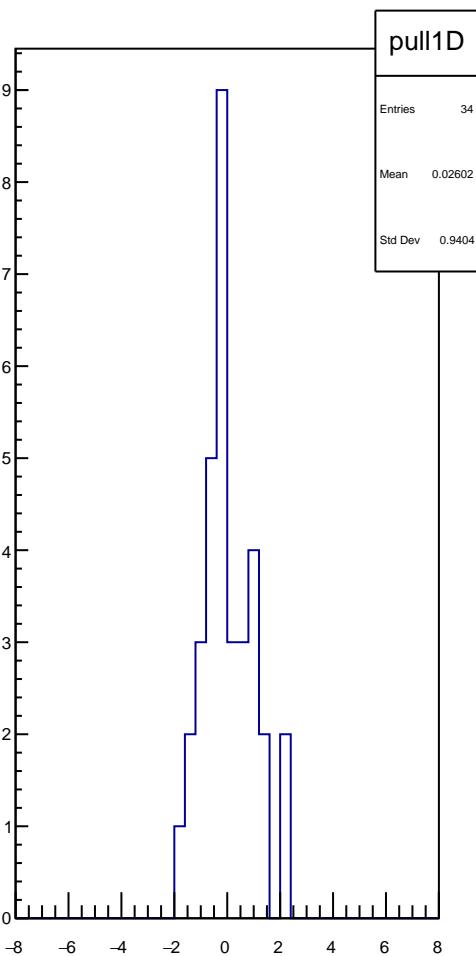
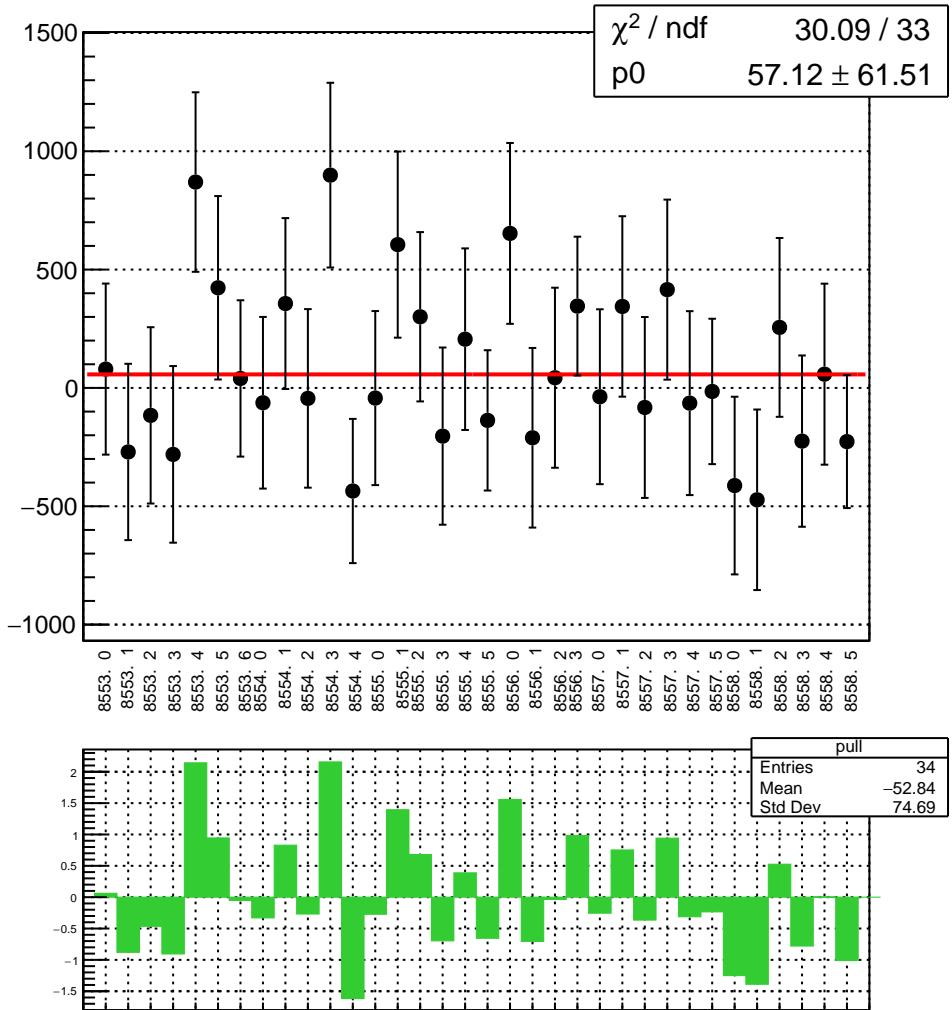
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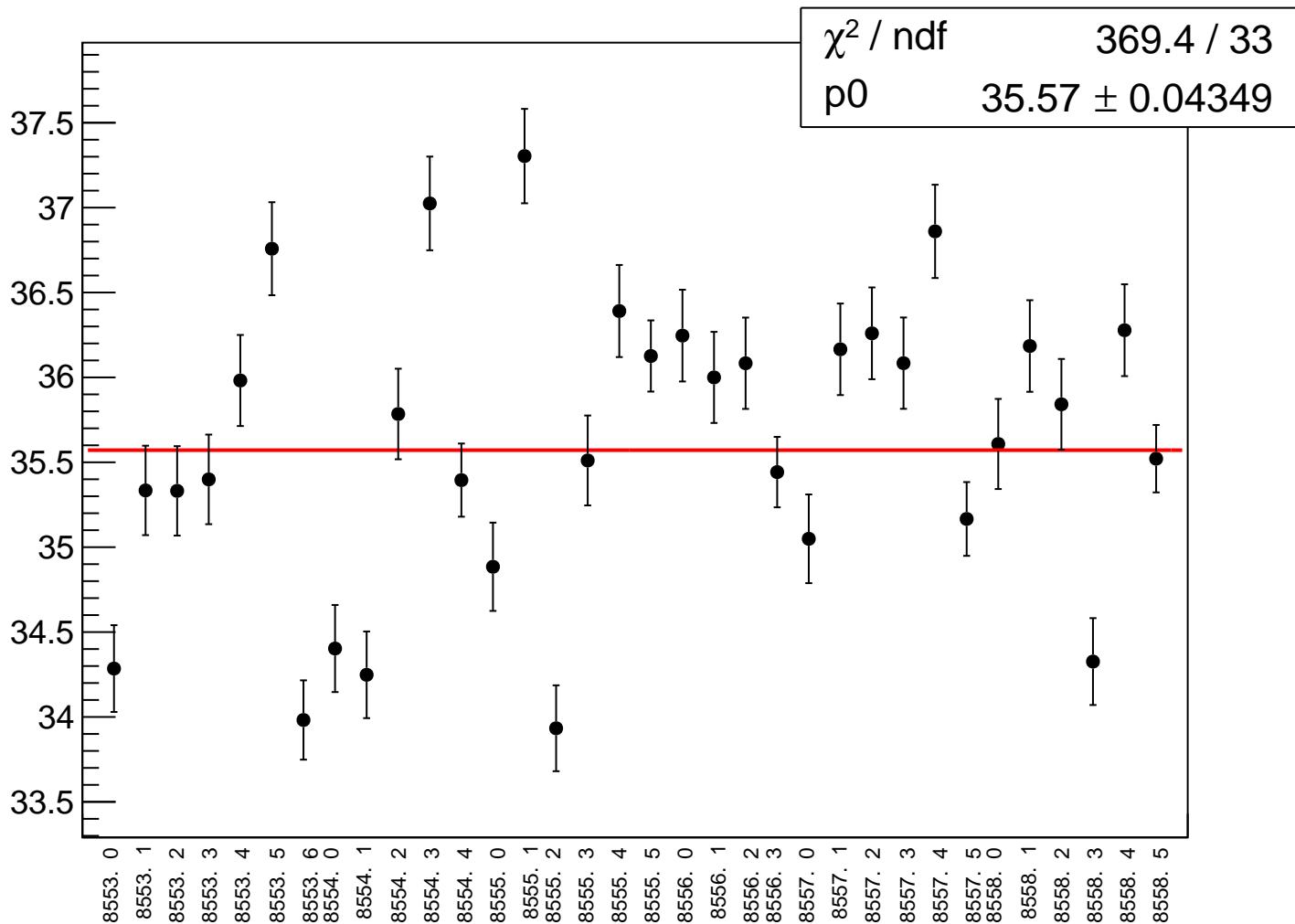
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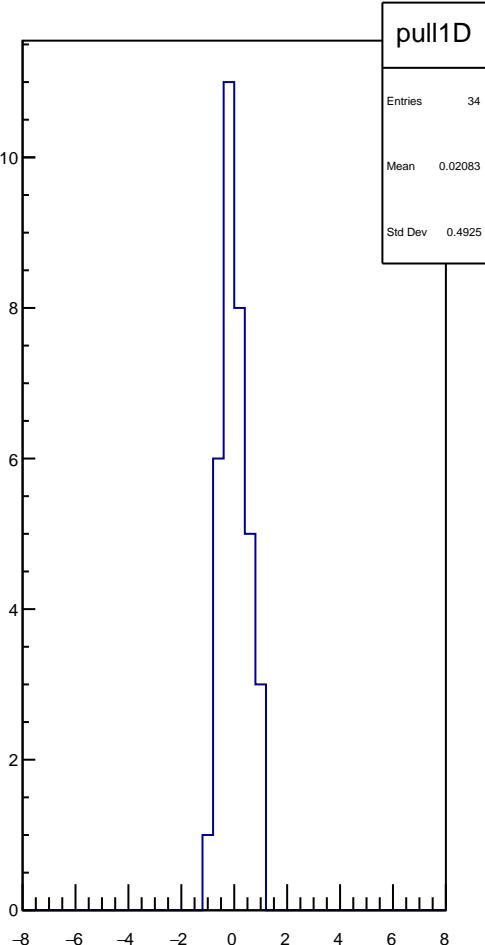
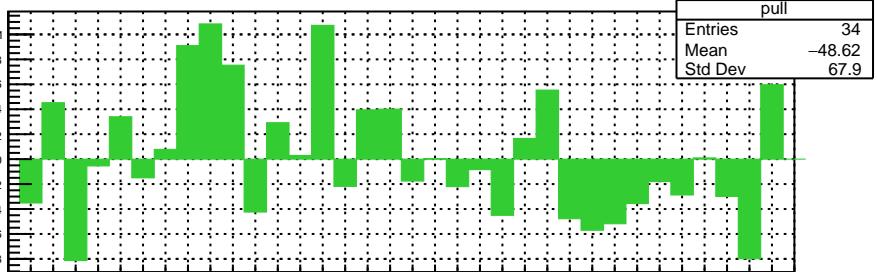
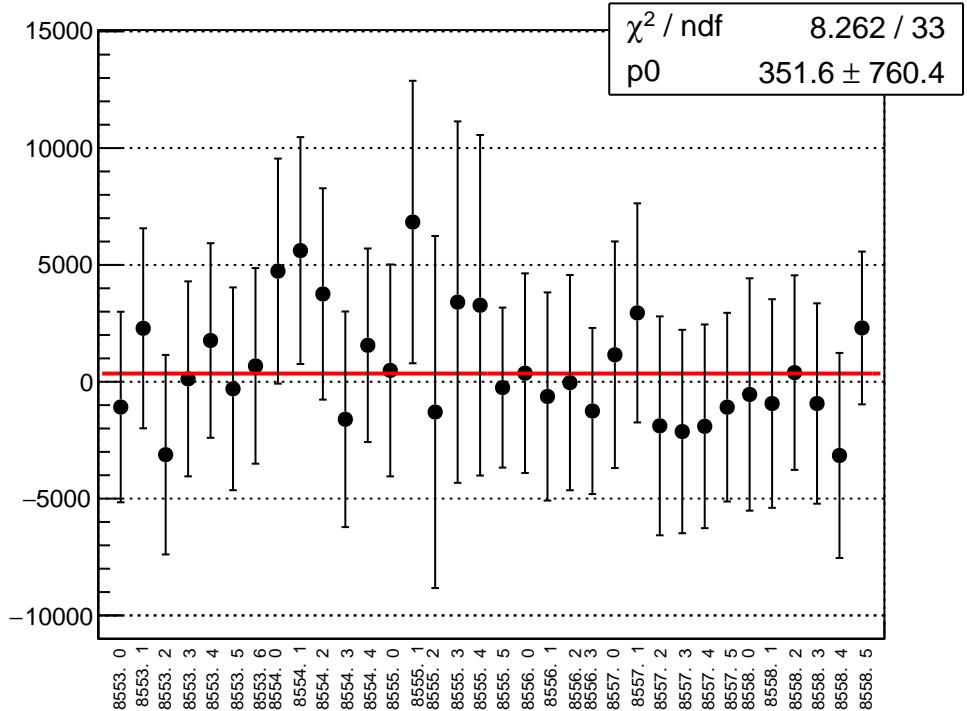
asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run



asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run

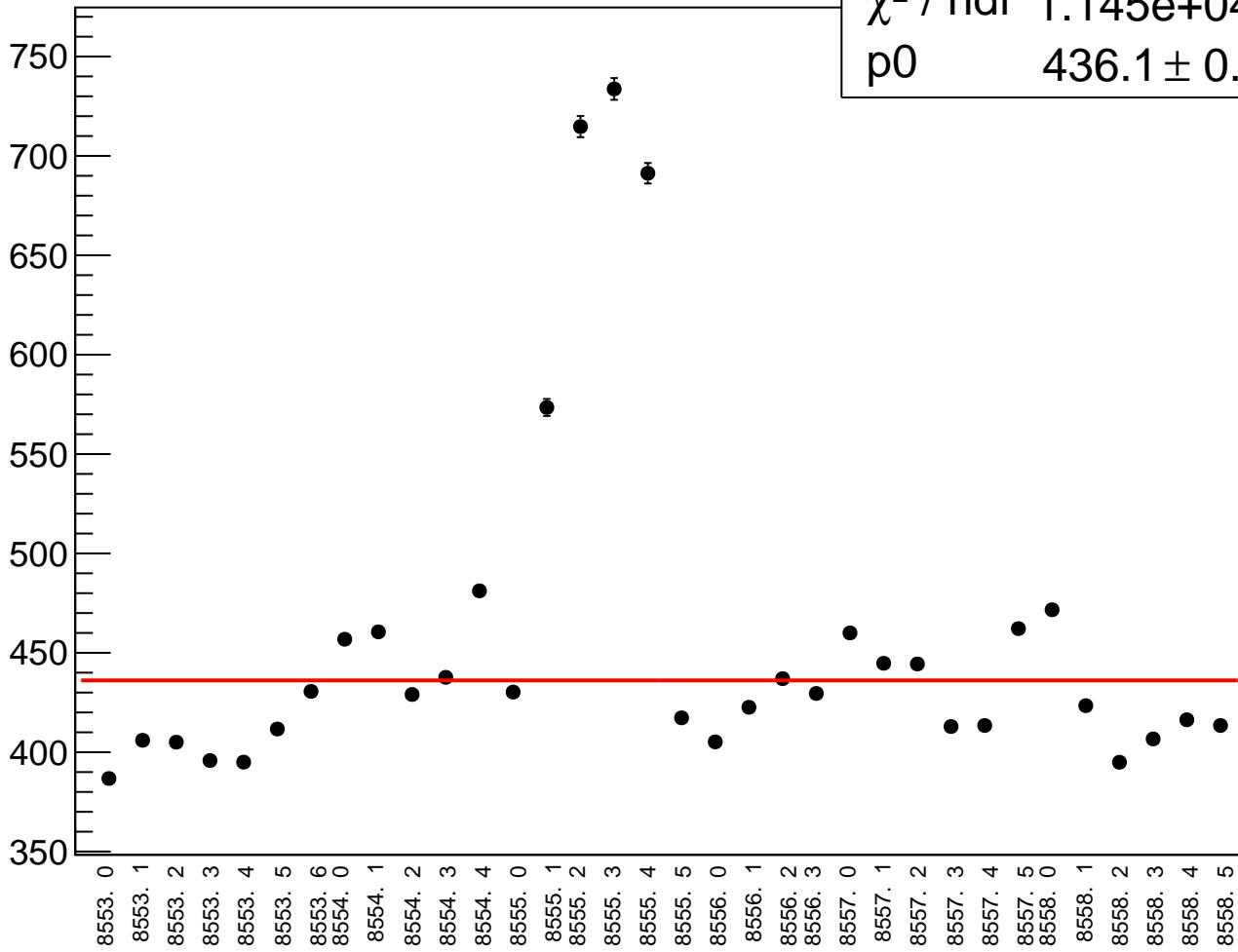


asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run

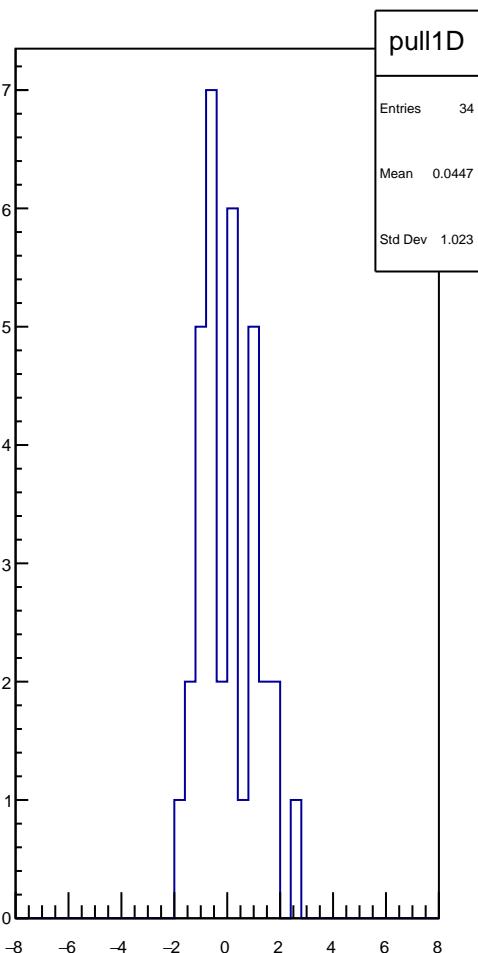
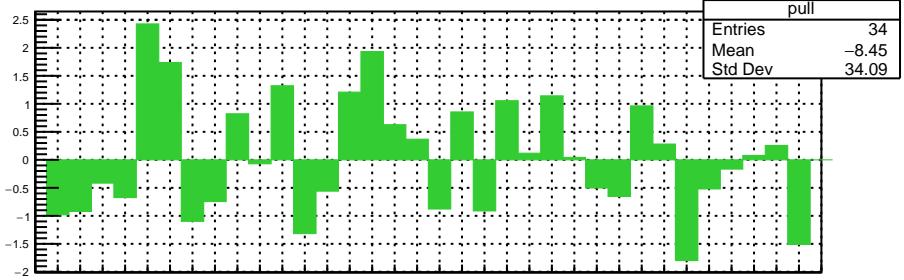
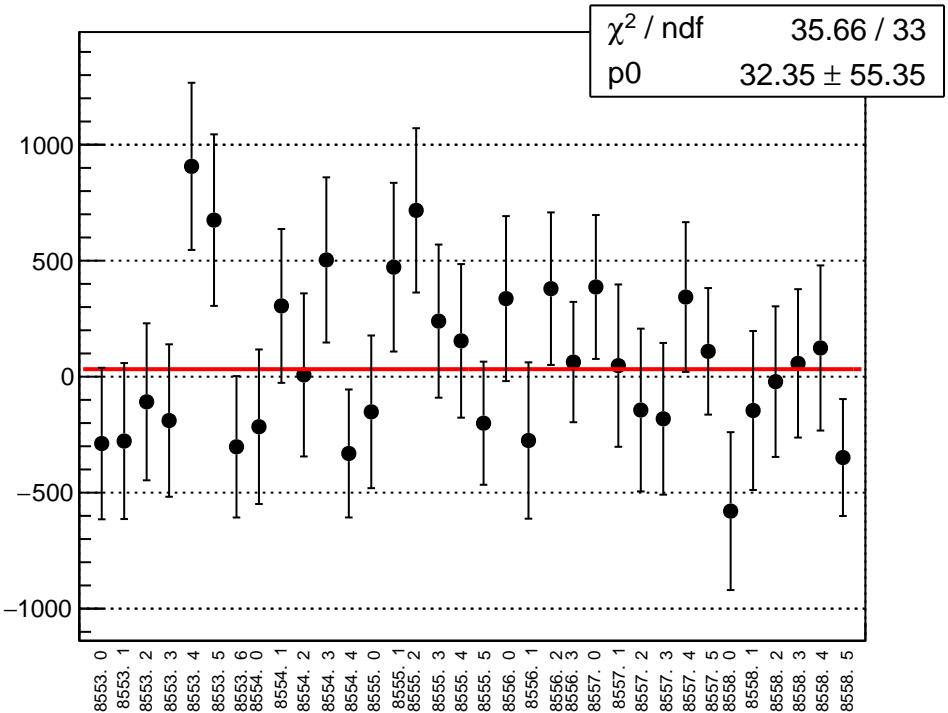


asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run

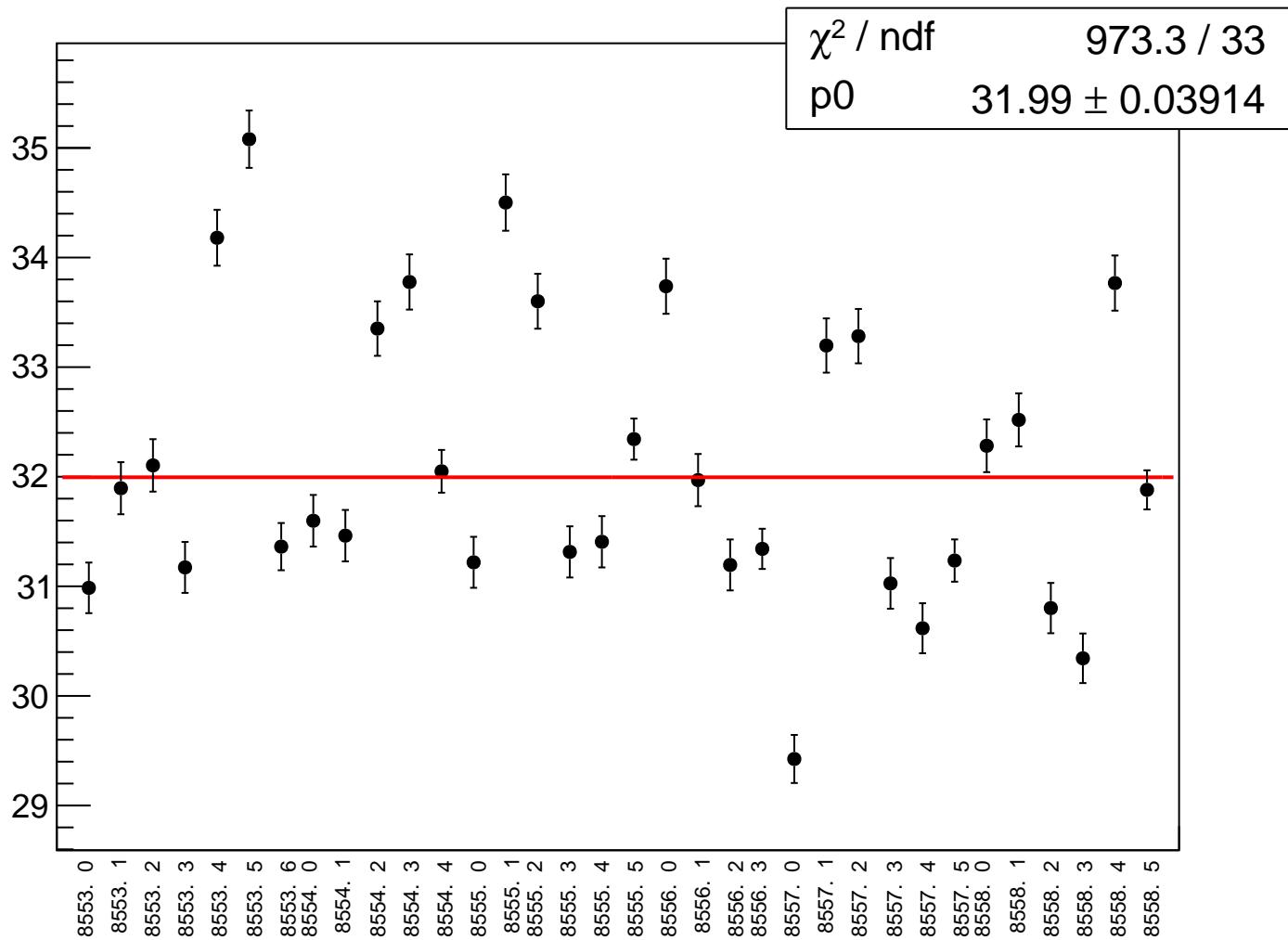
χ^2 / ndf $1.145\text{e+}04 / 33$
p0 436.1 ± 0.5377



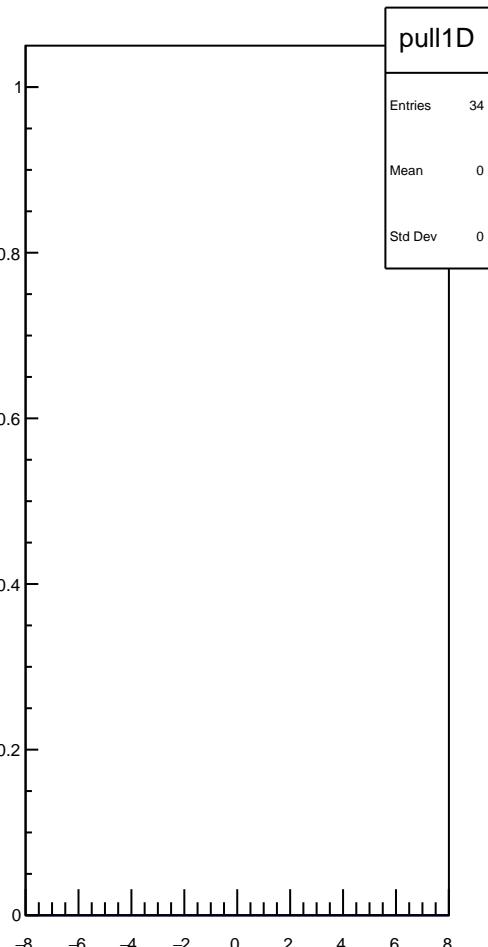
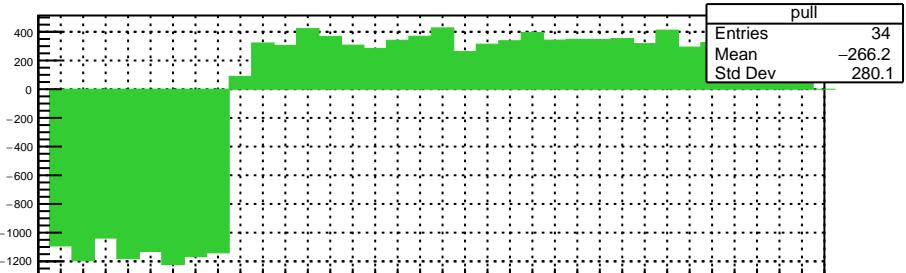
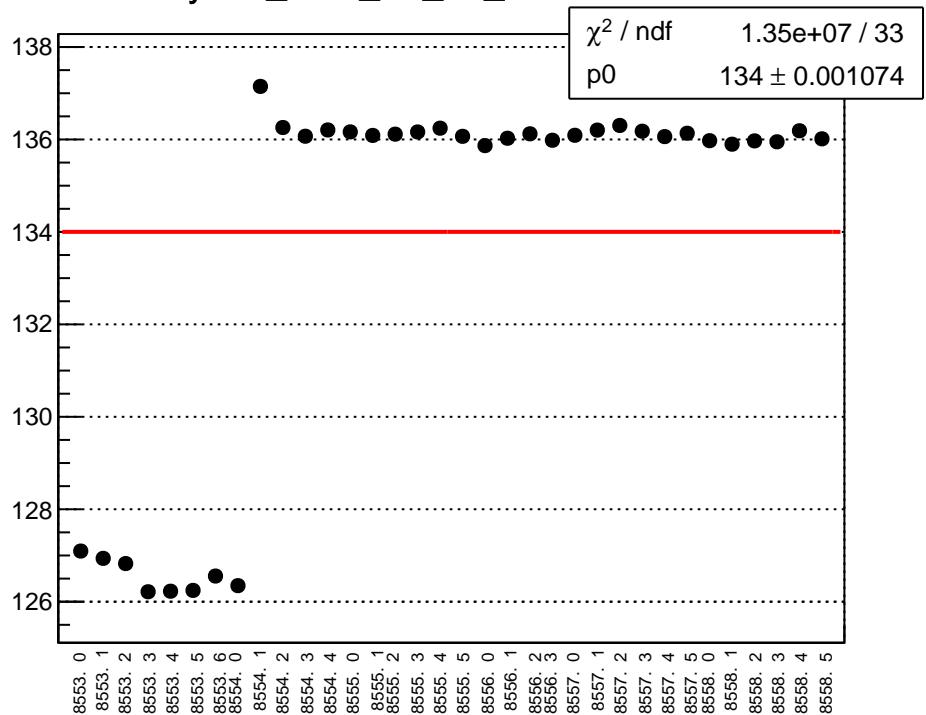
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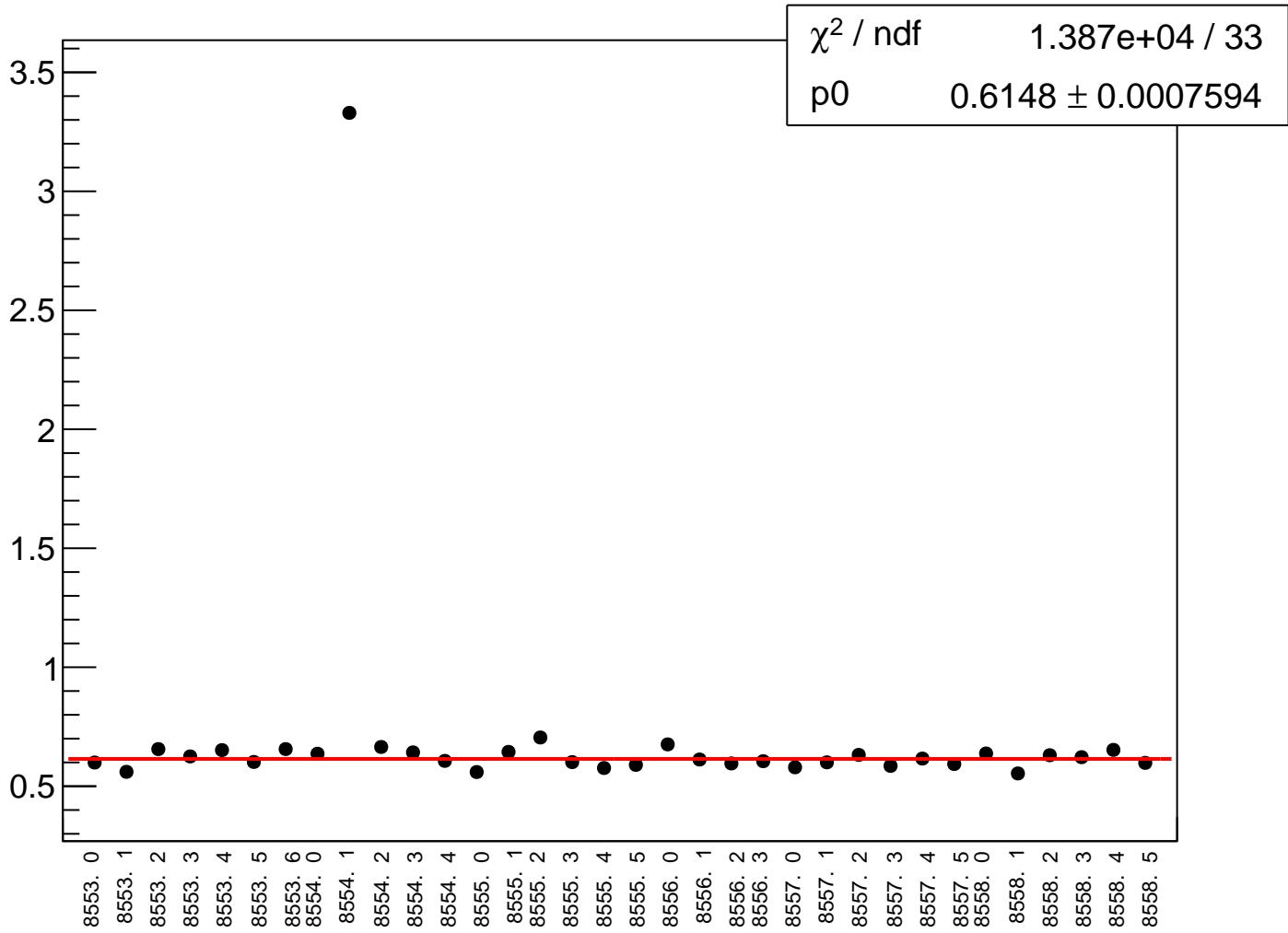
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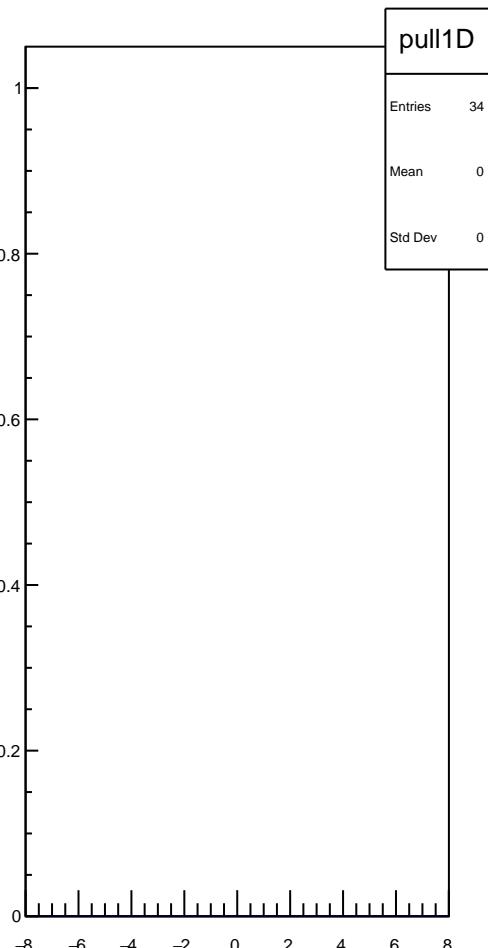
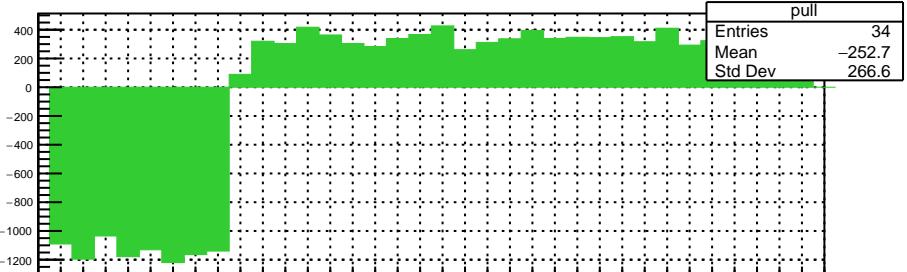
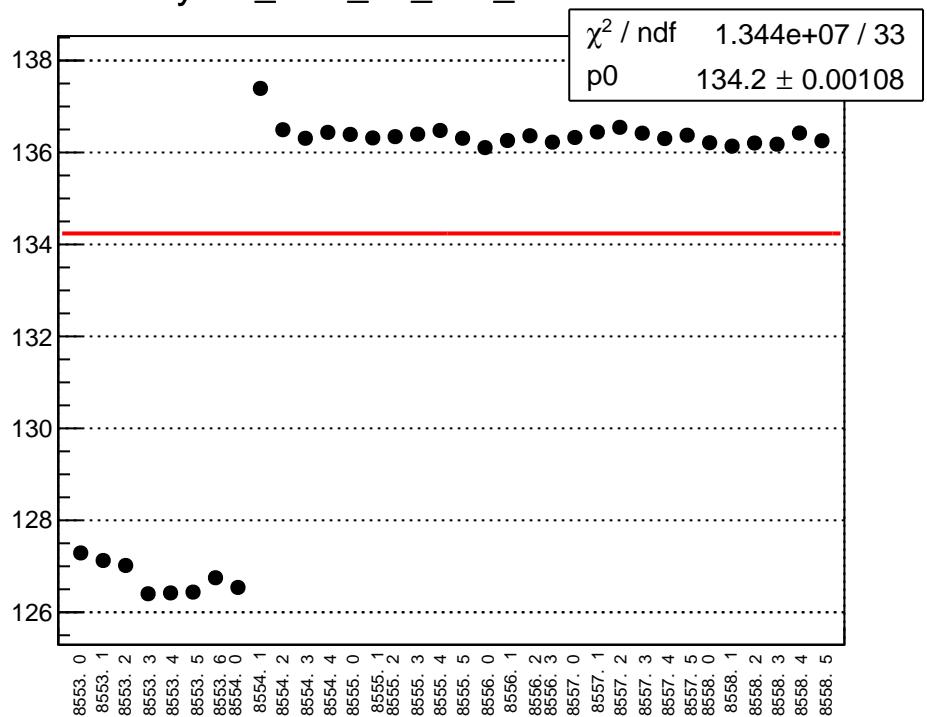
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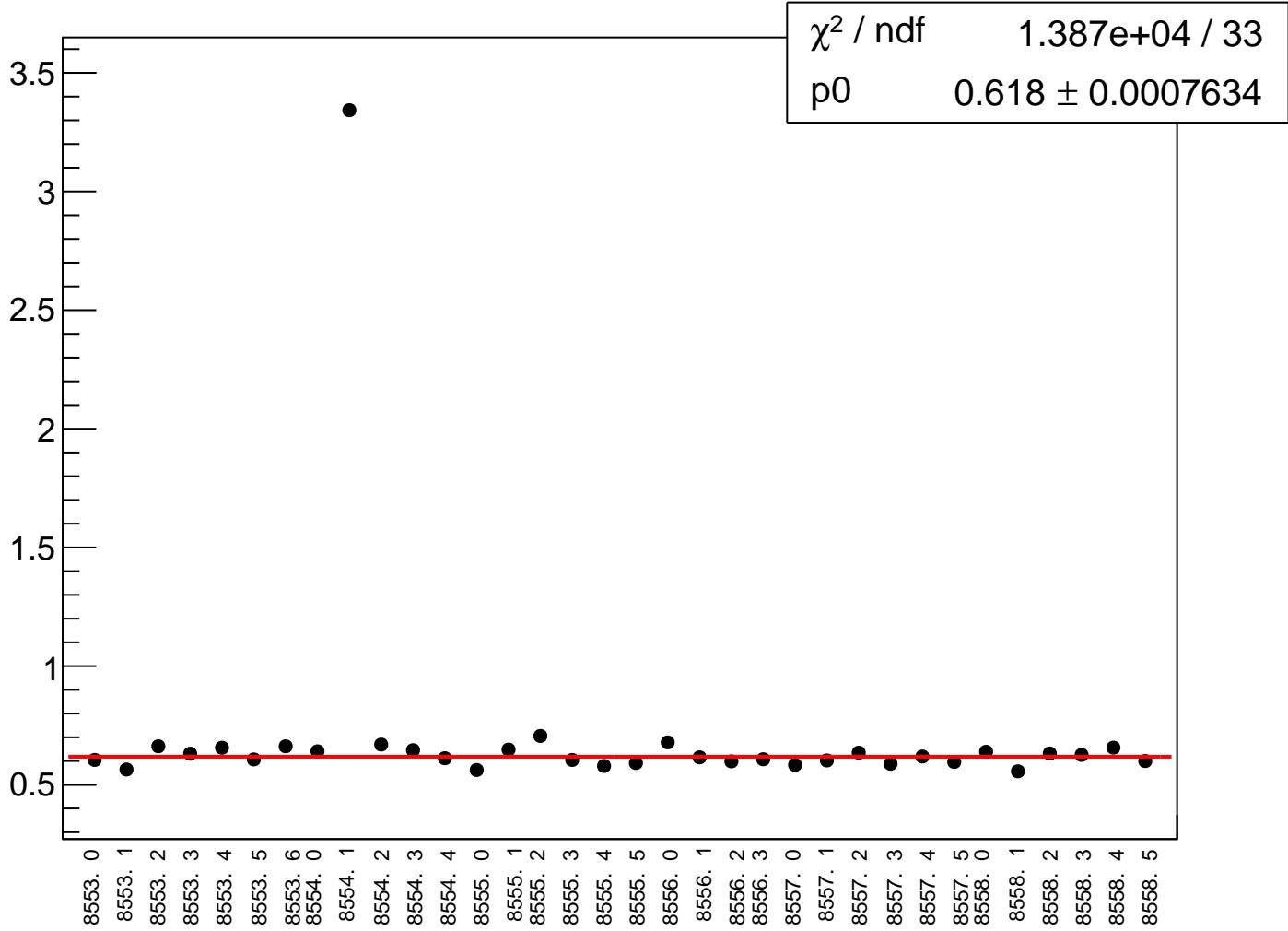
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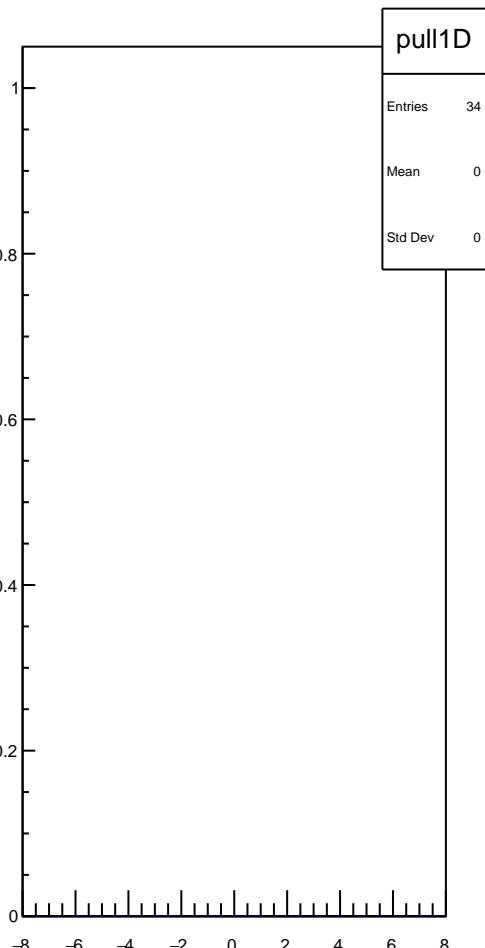
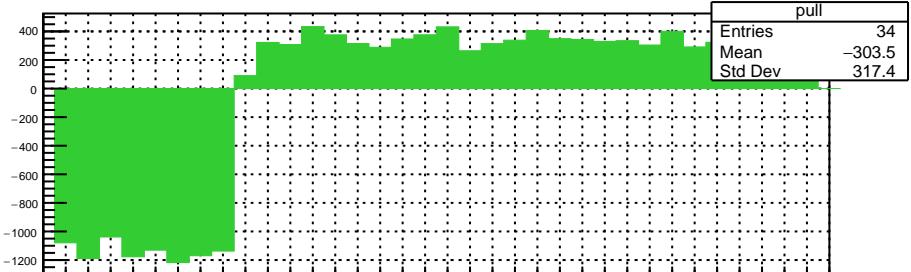
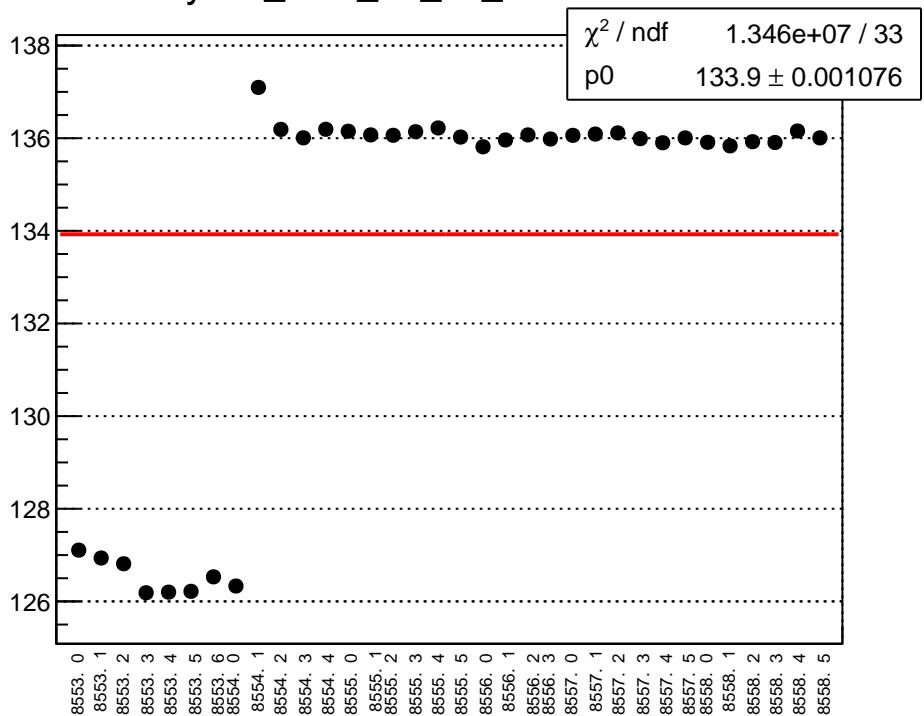
yield_bcm_an_ds3_mean vs run



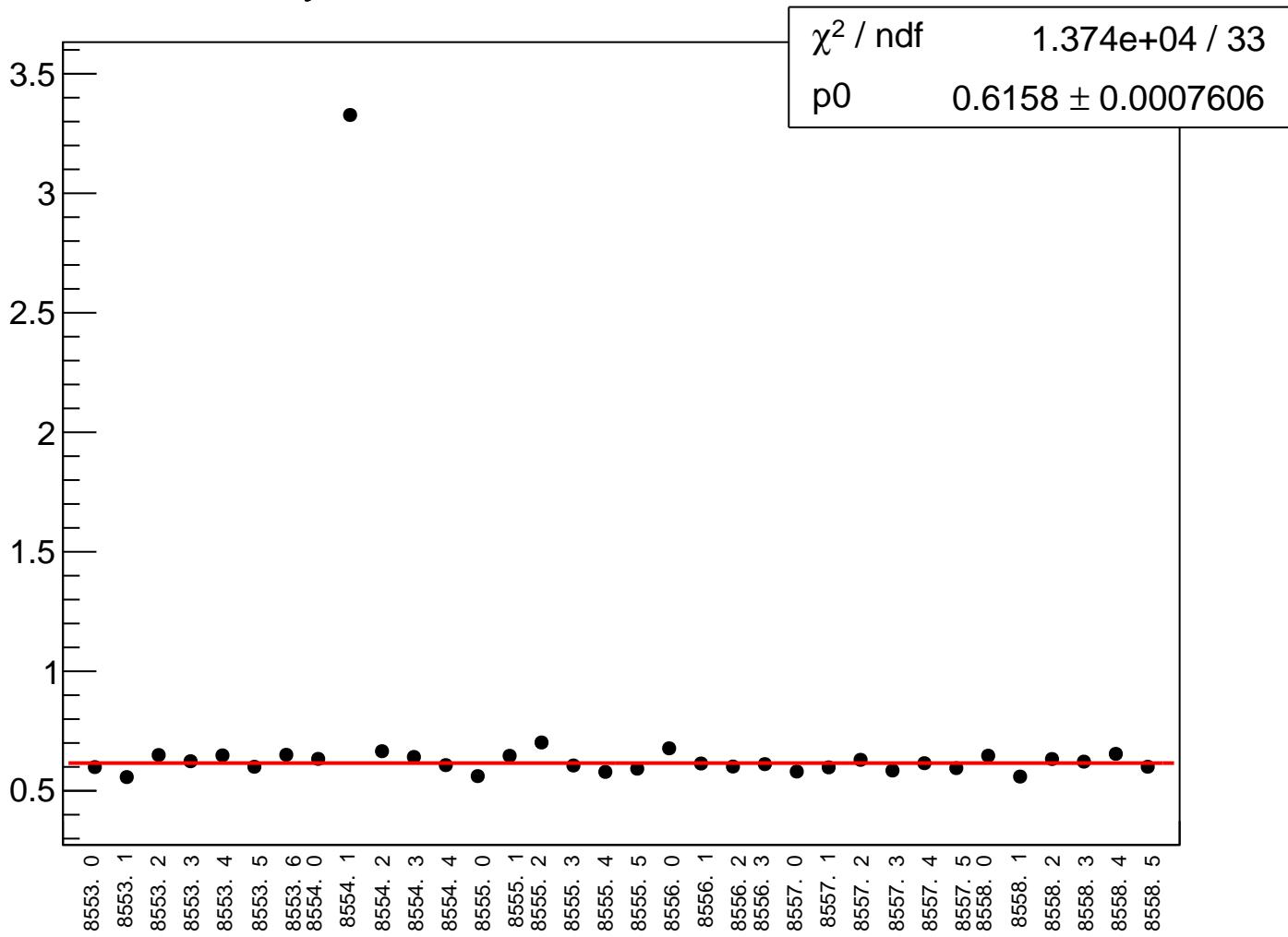
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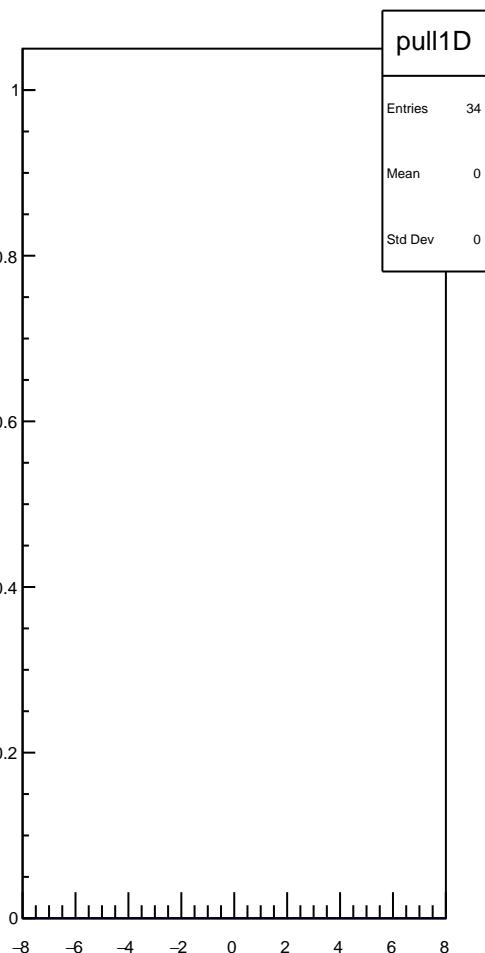
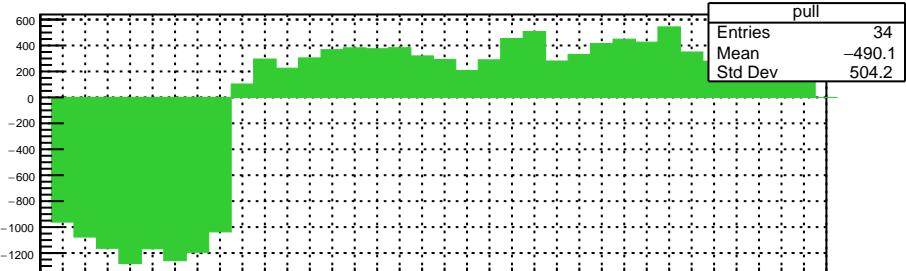
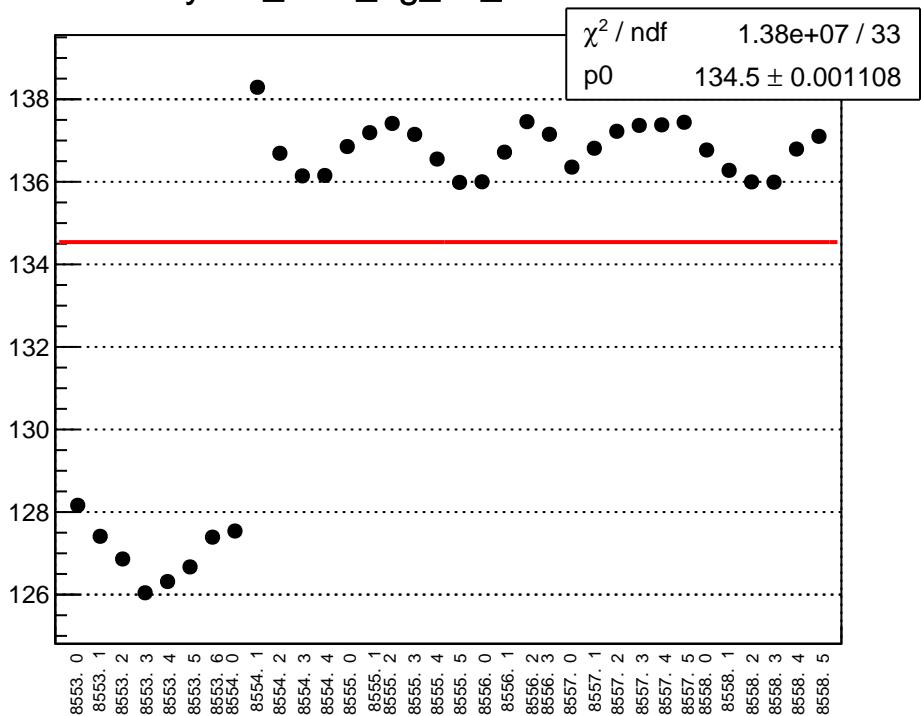
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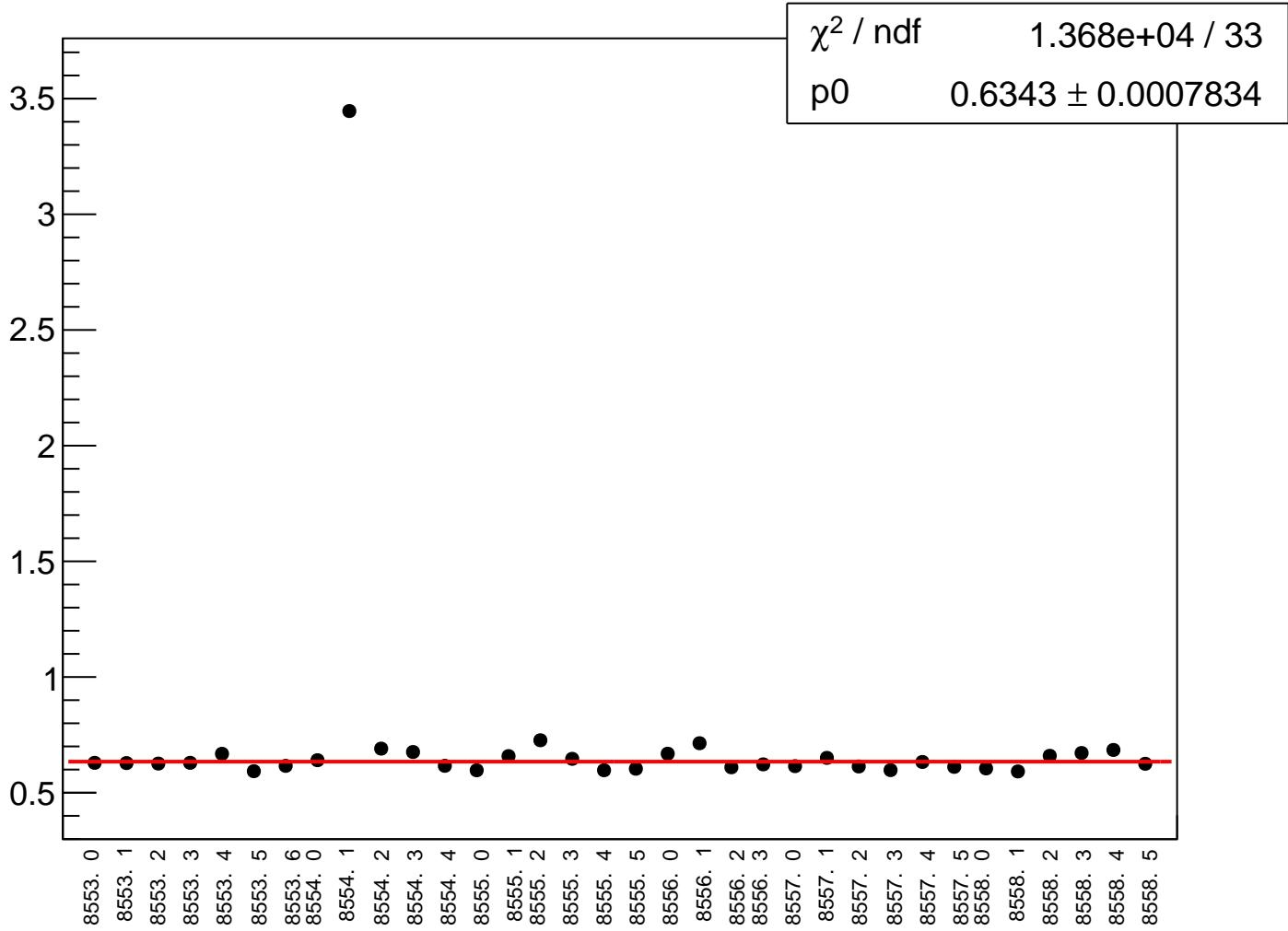
yield_bcm_an_us_rms vs run



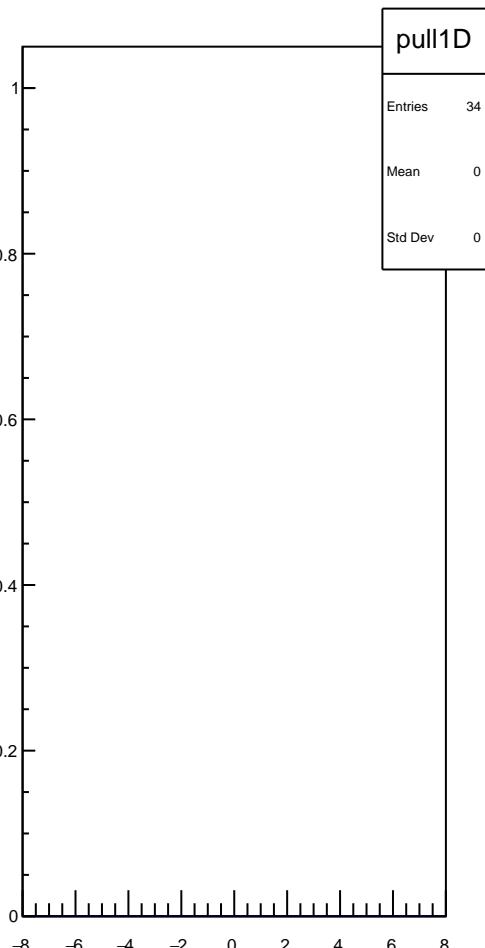
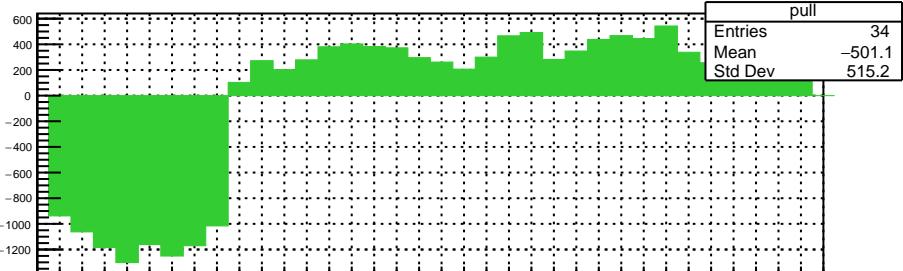
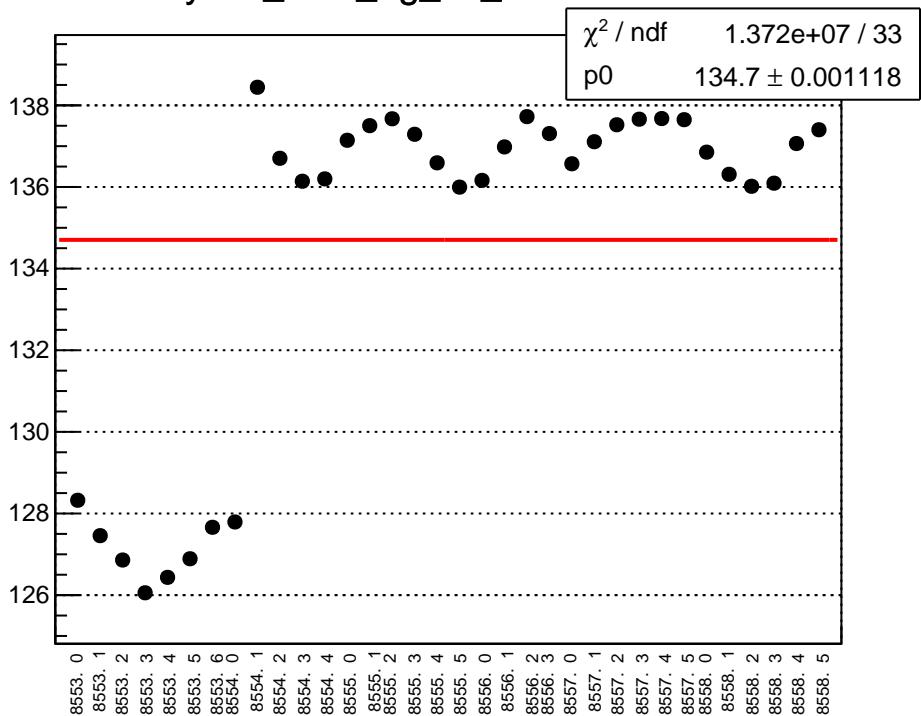
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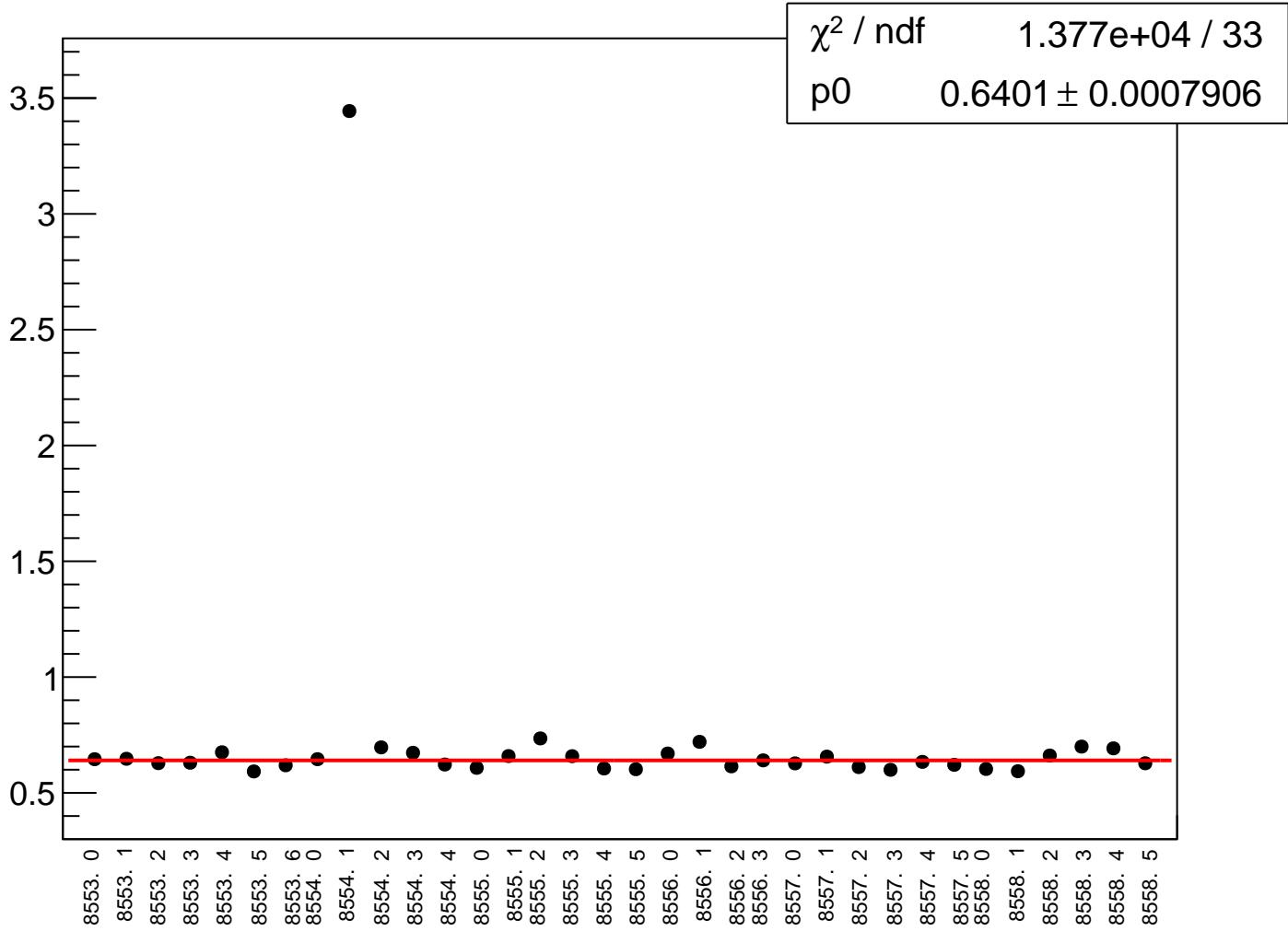
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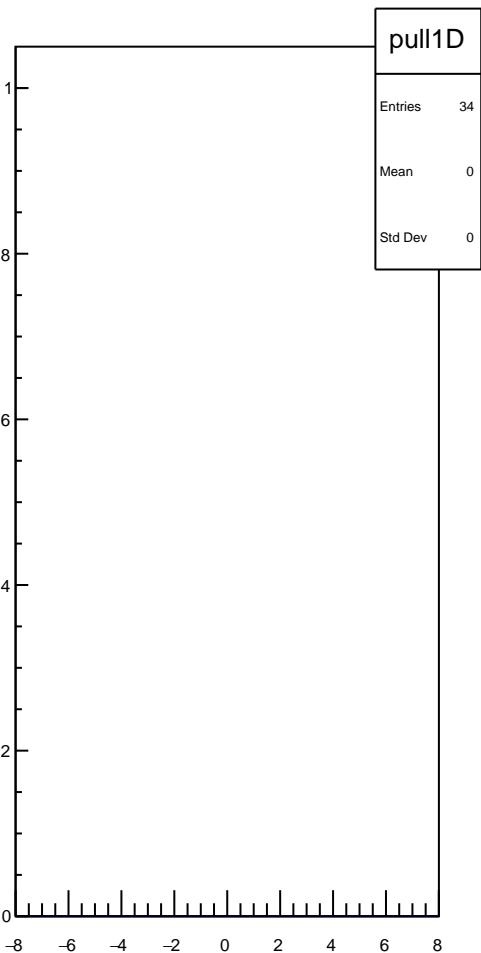
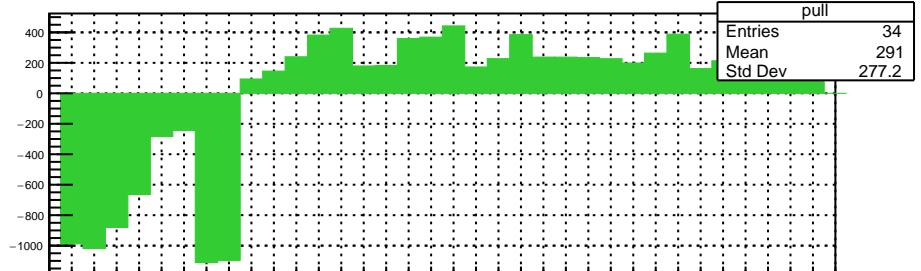
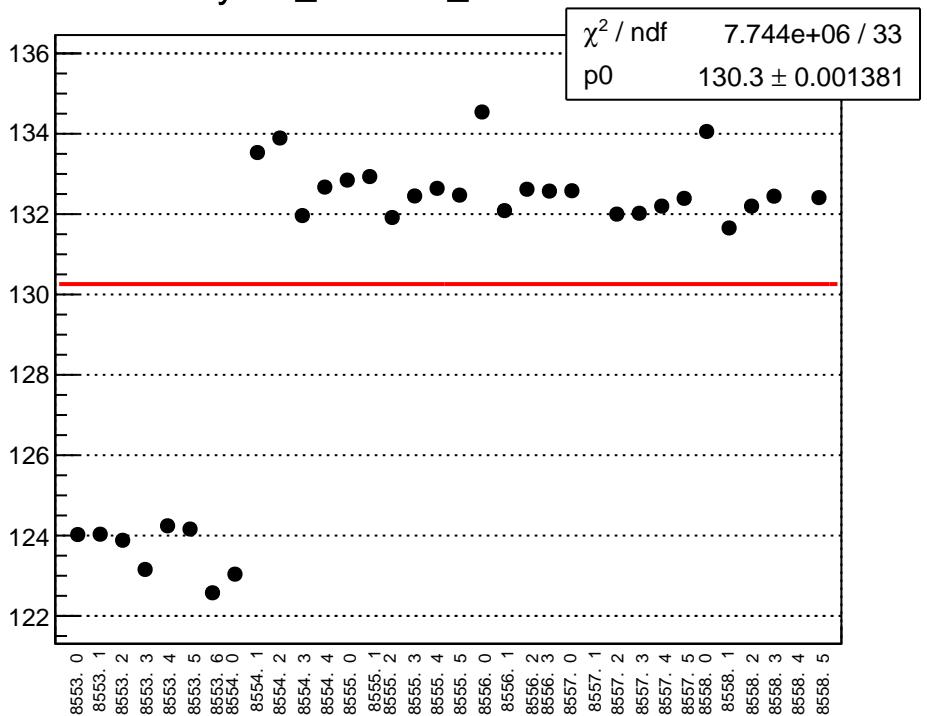
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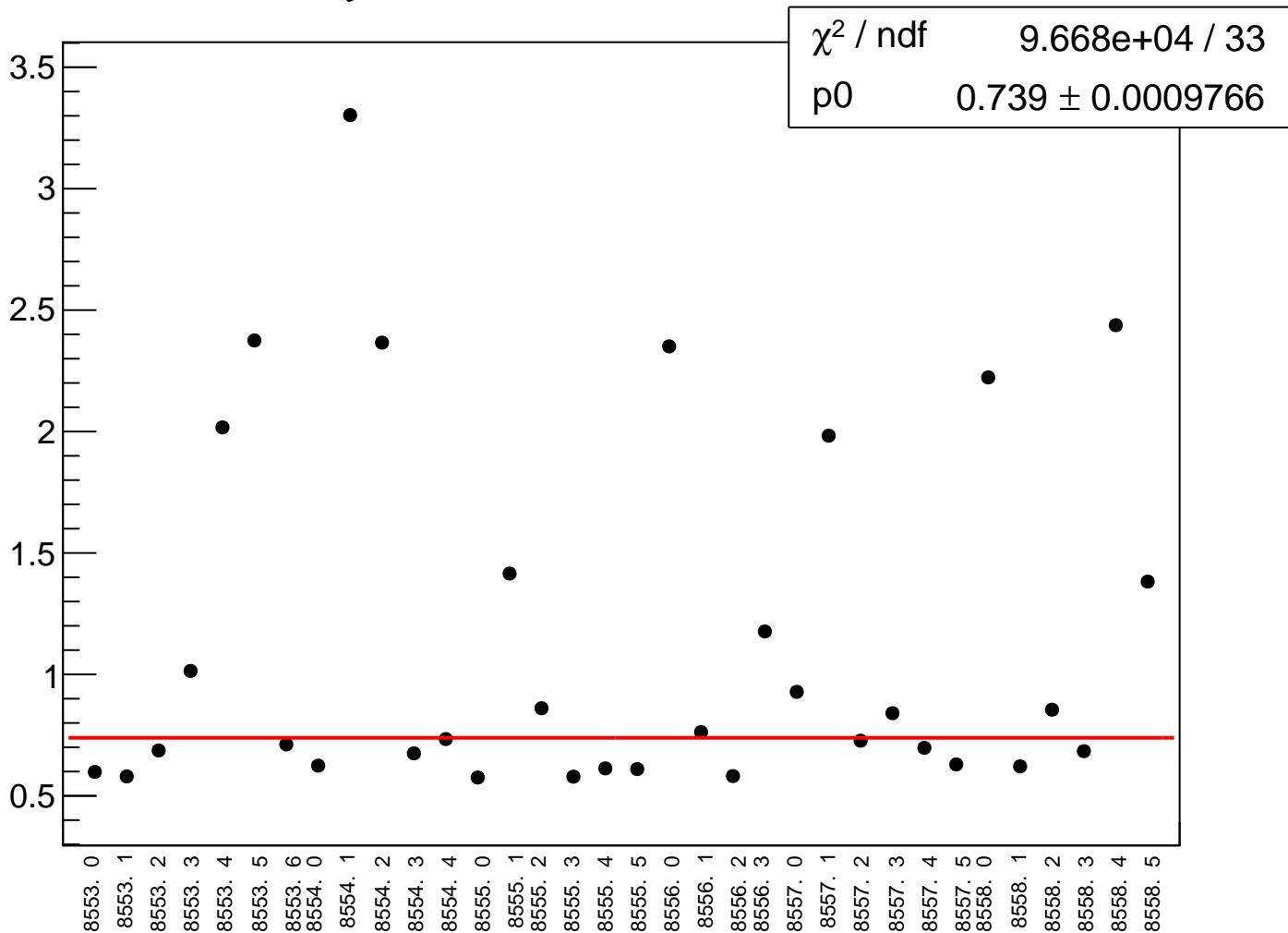
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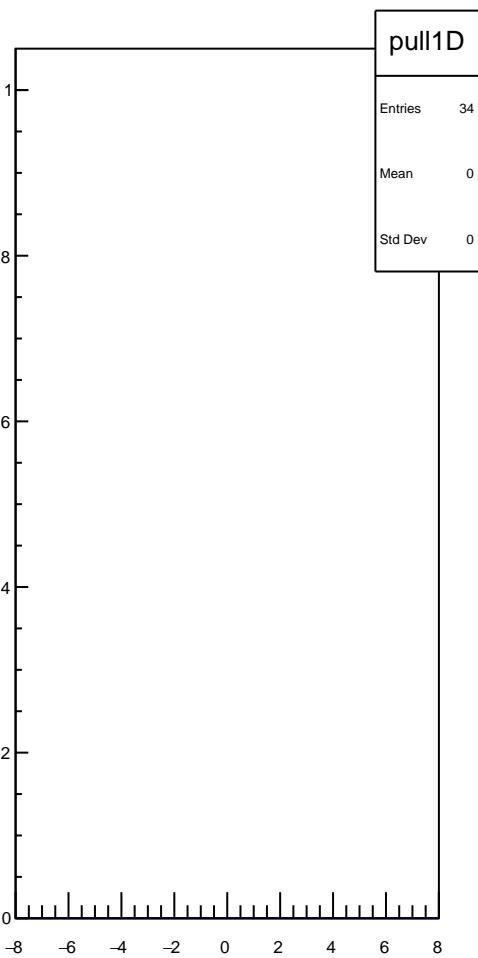
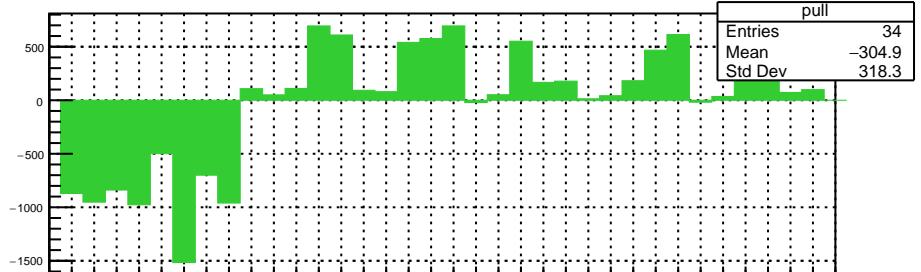
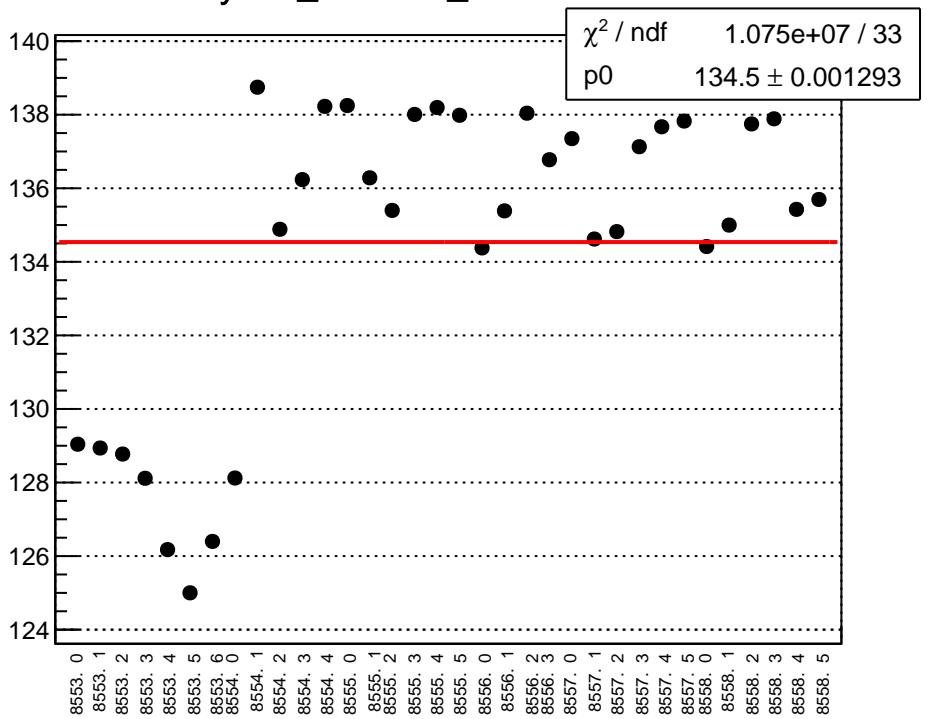
yield_cav4bQ_mean vs run



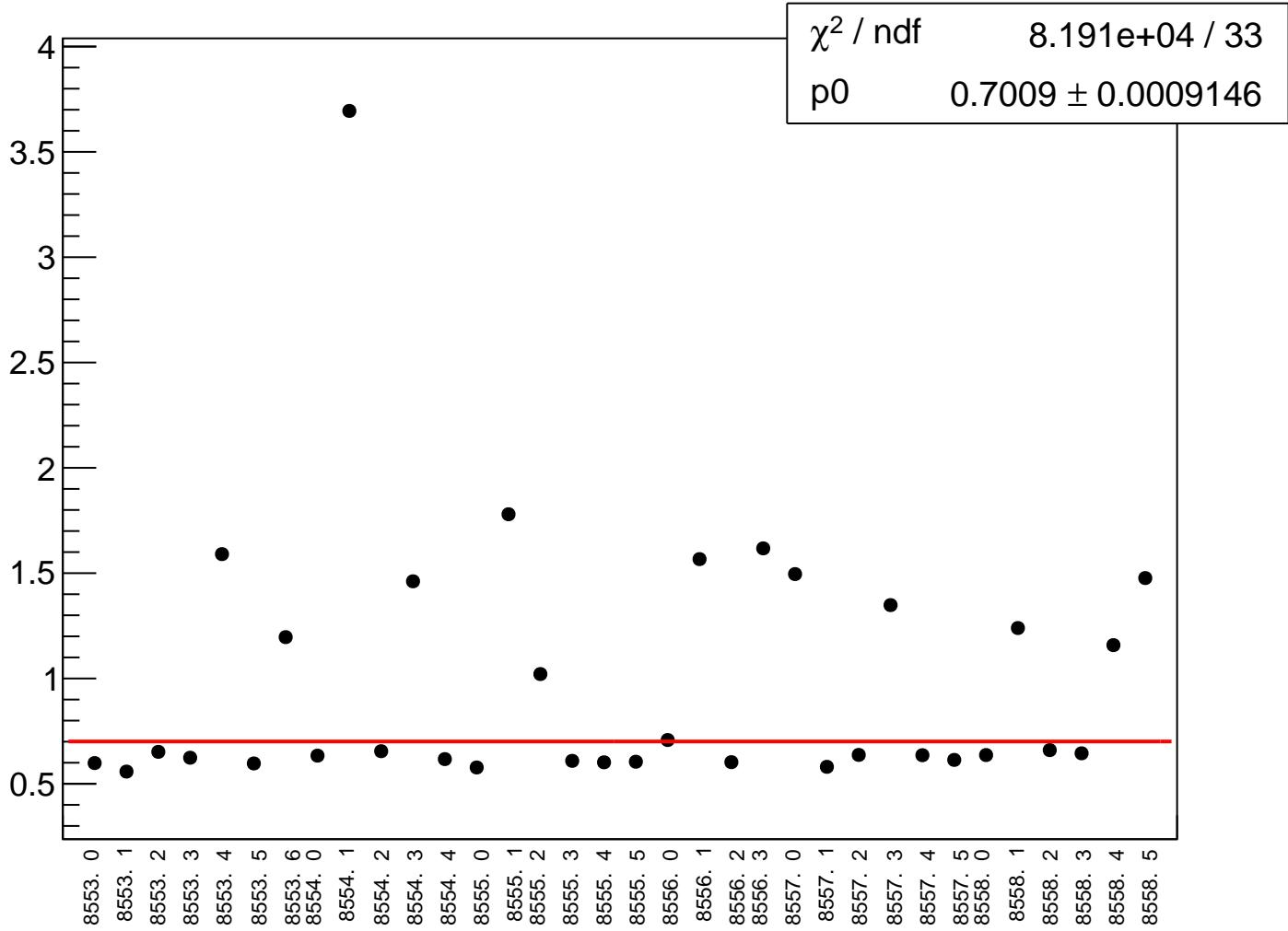
yield_cav4bQ_rms vs run



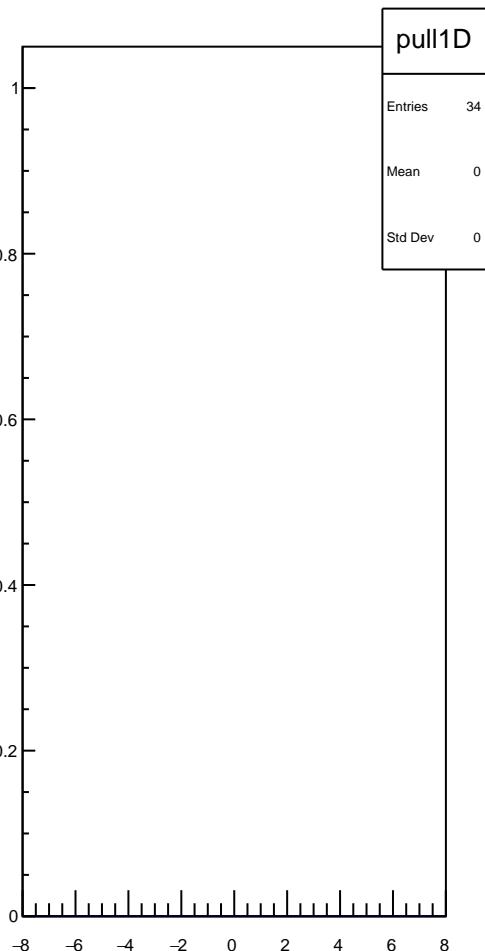
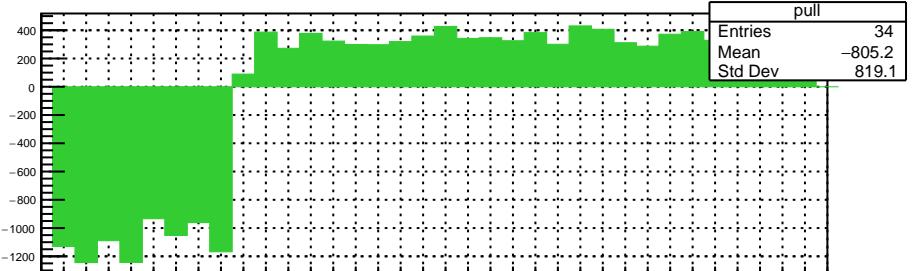
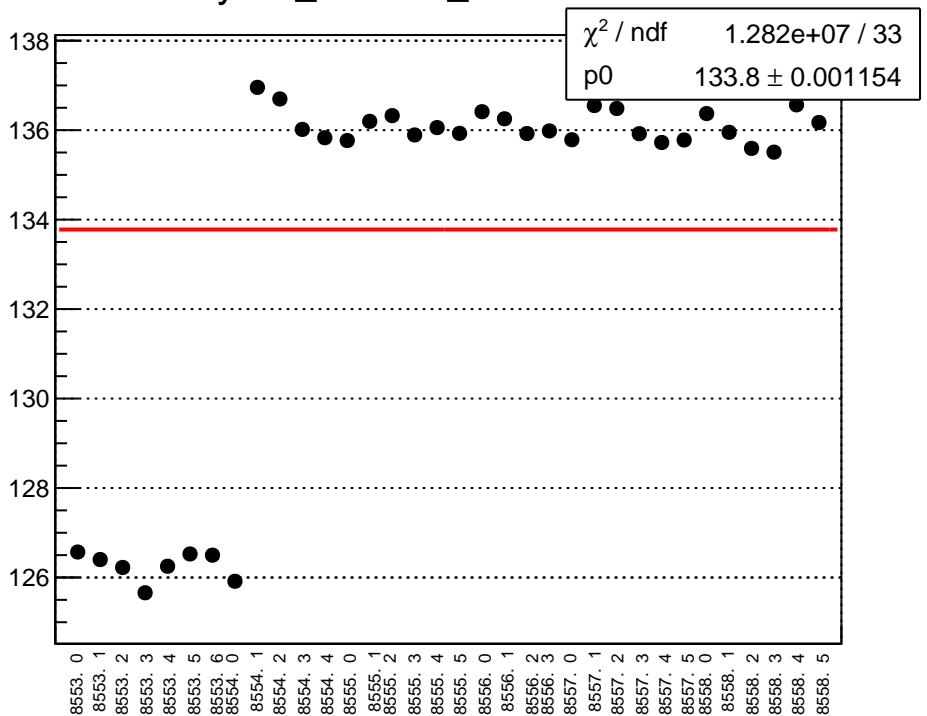
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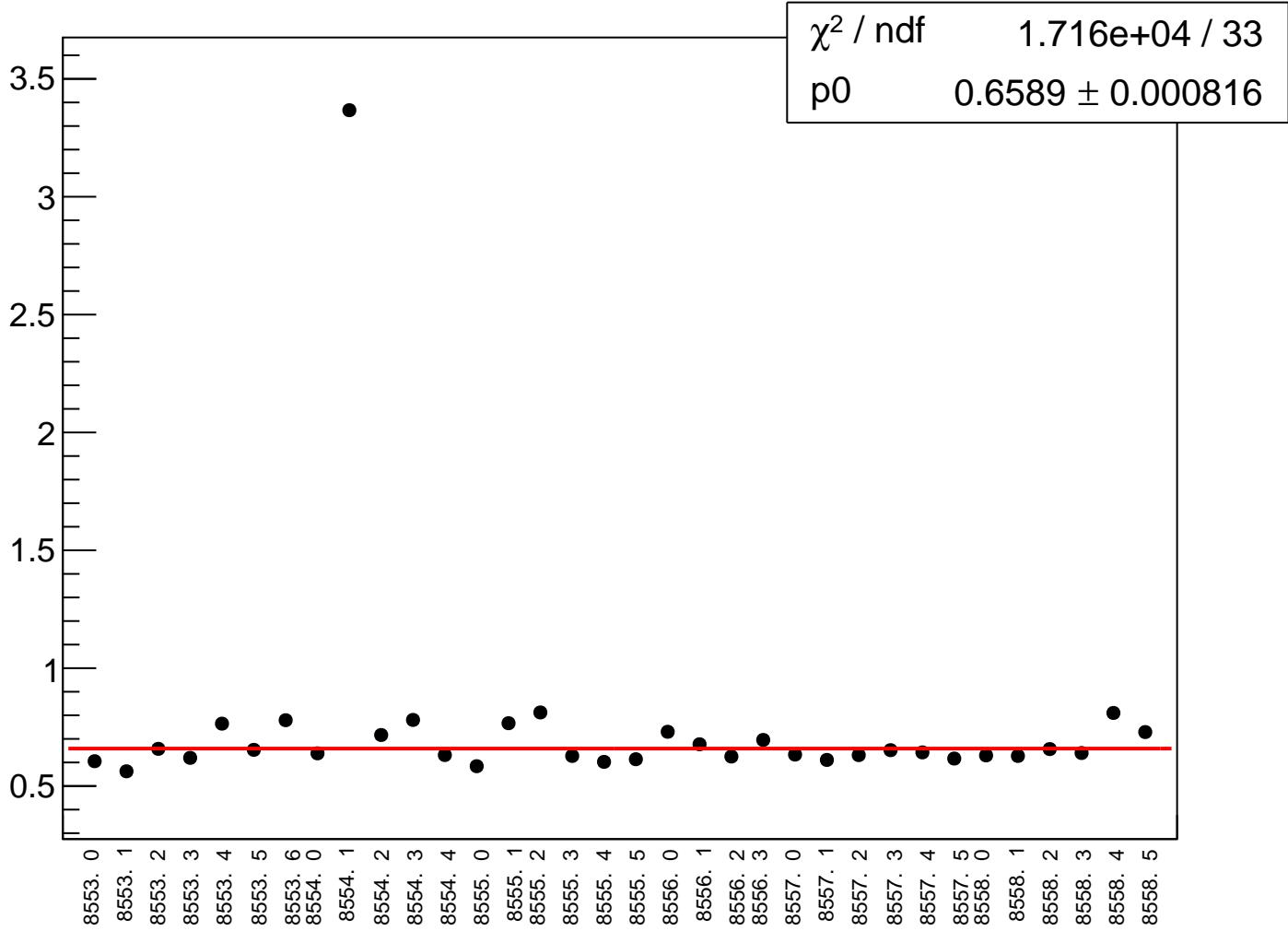
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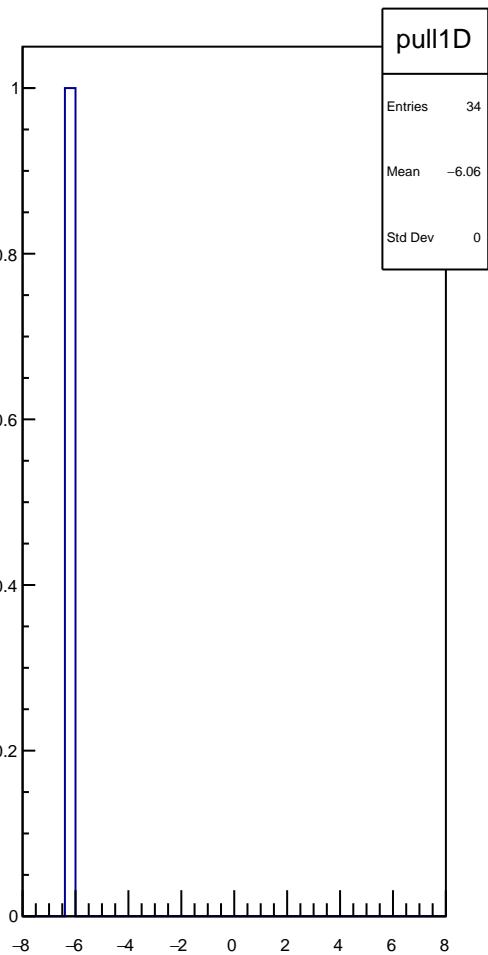
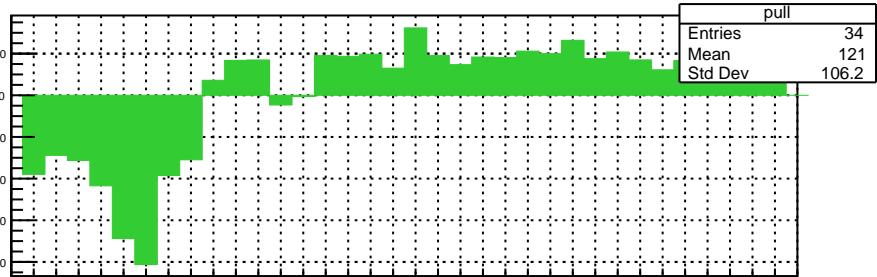
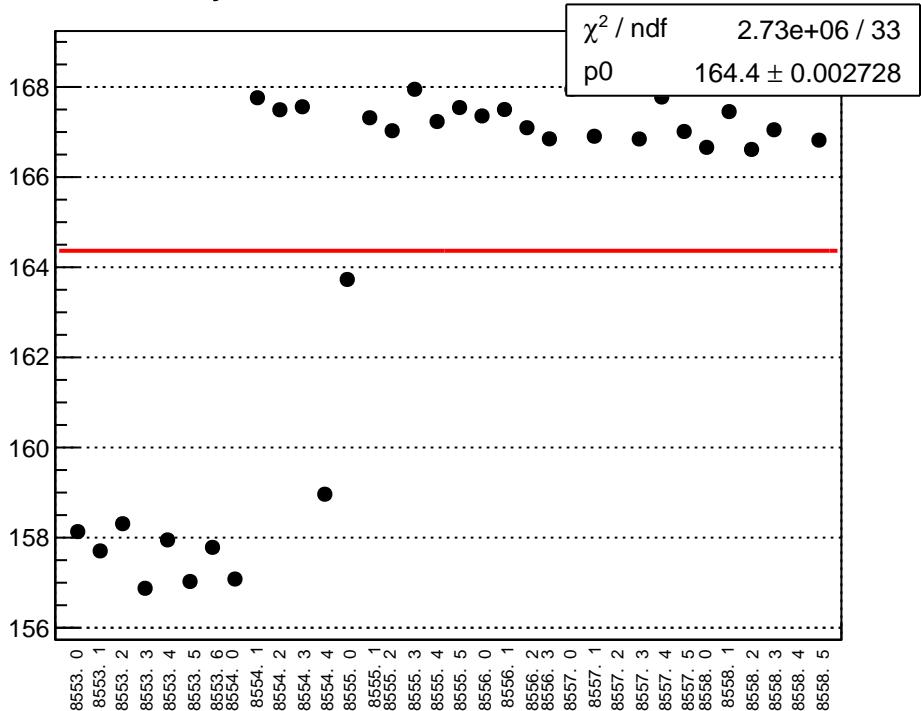
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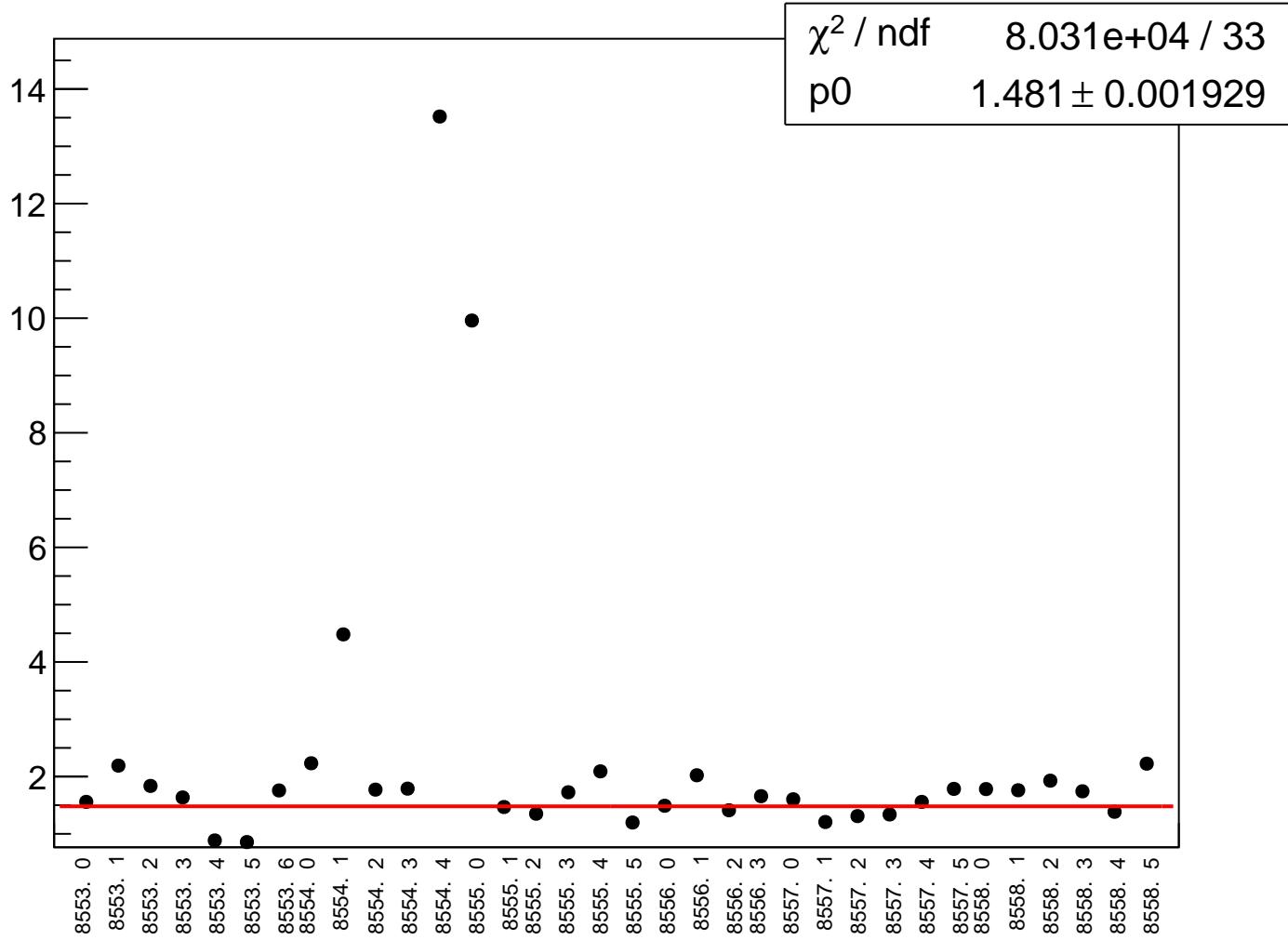
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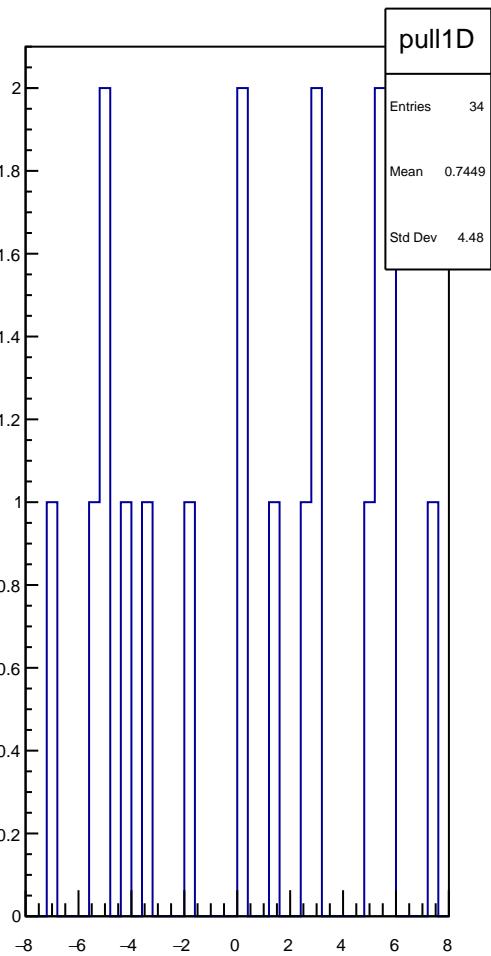
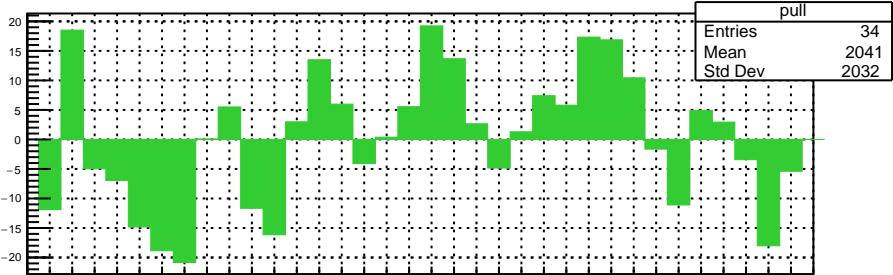
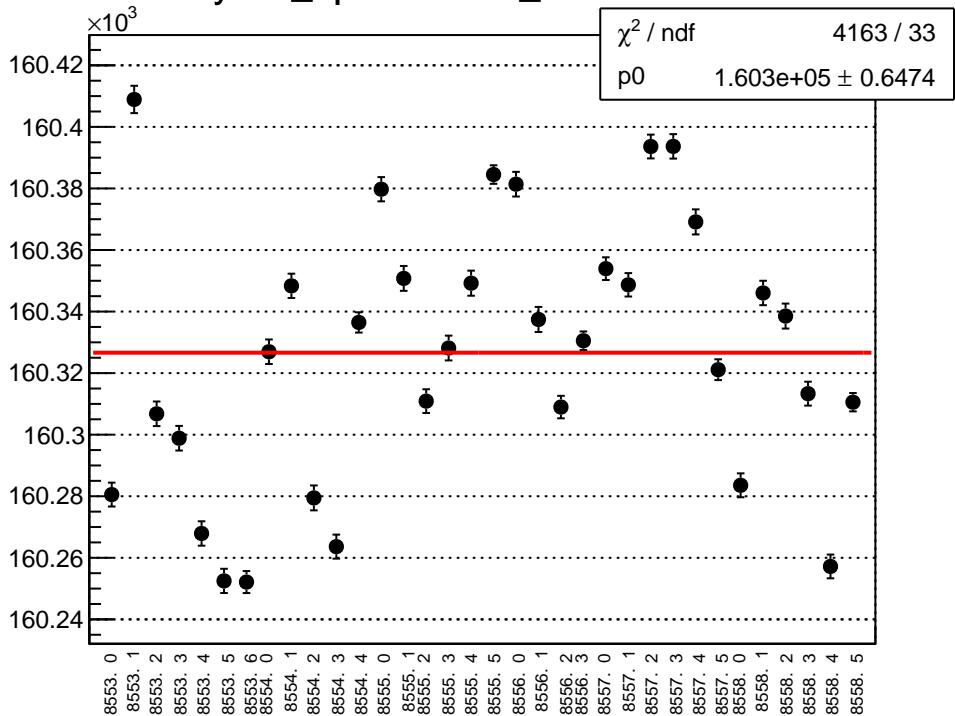
yield_bcm0l02_mean vs run



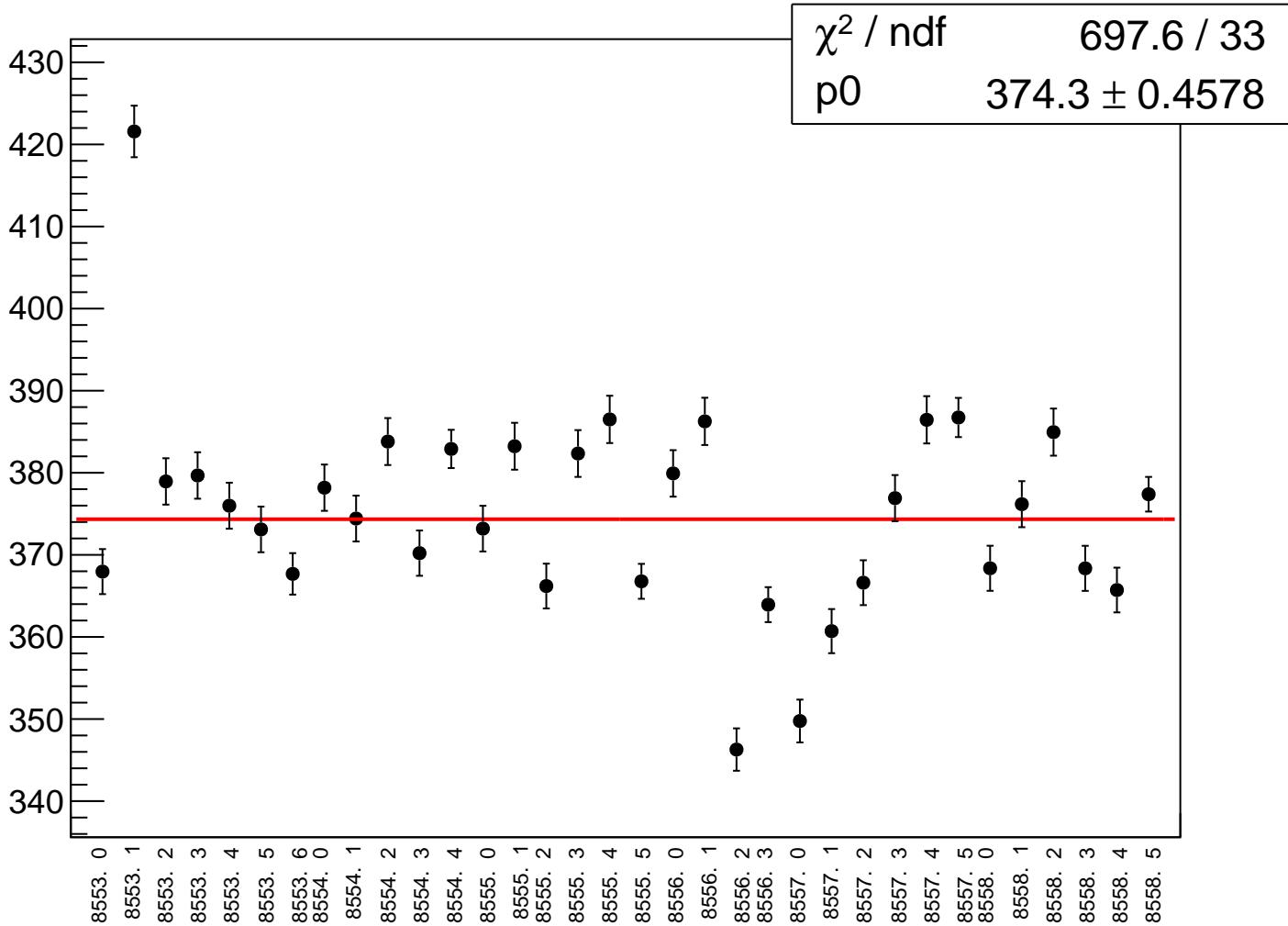
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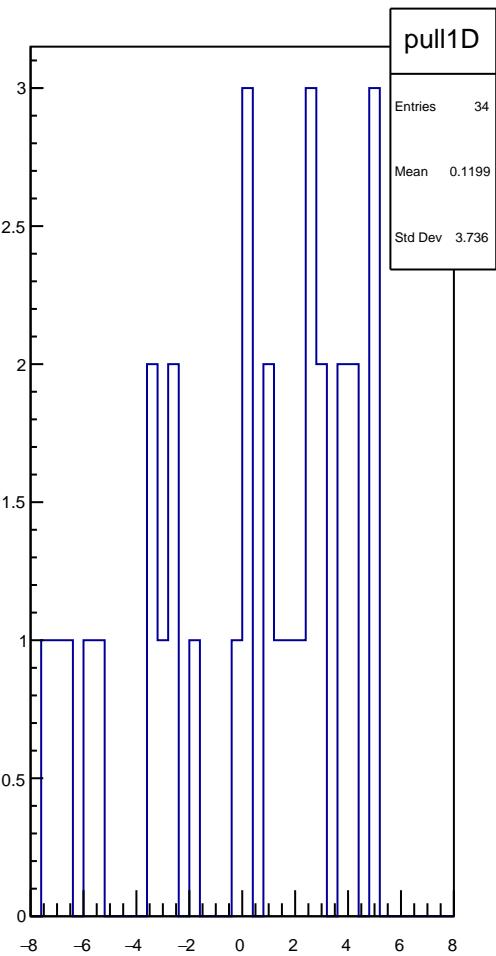
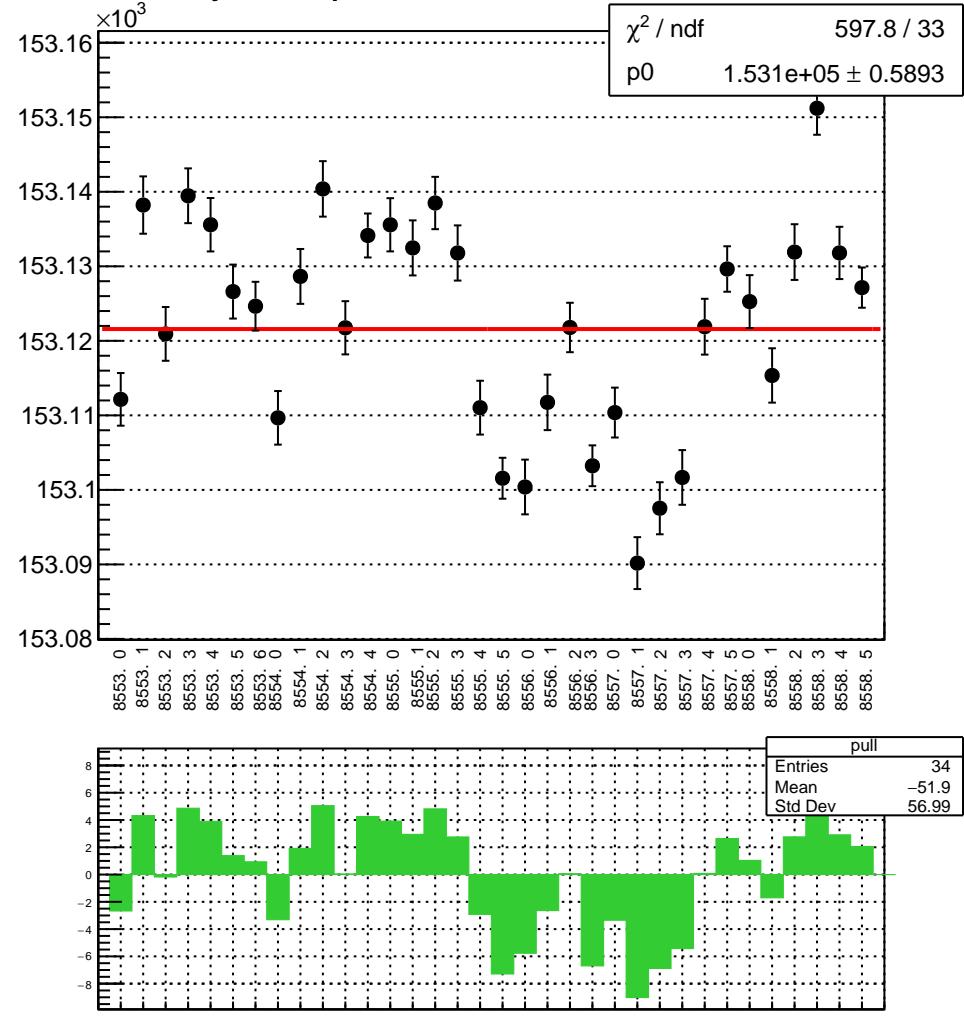
yield_bpm0i01WS_mean vs run



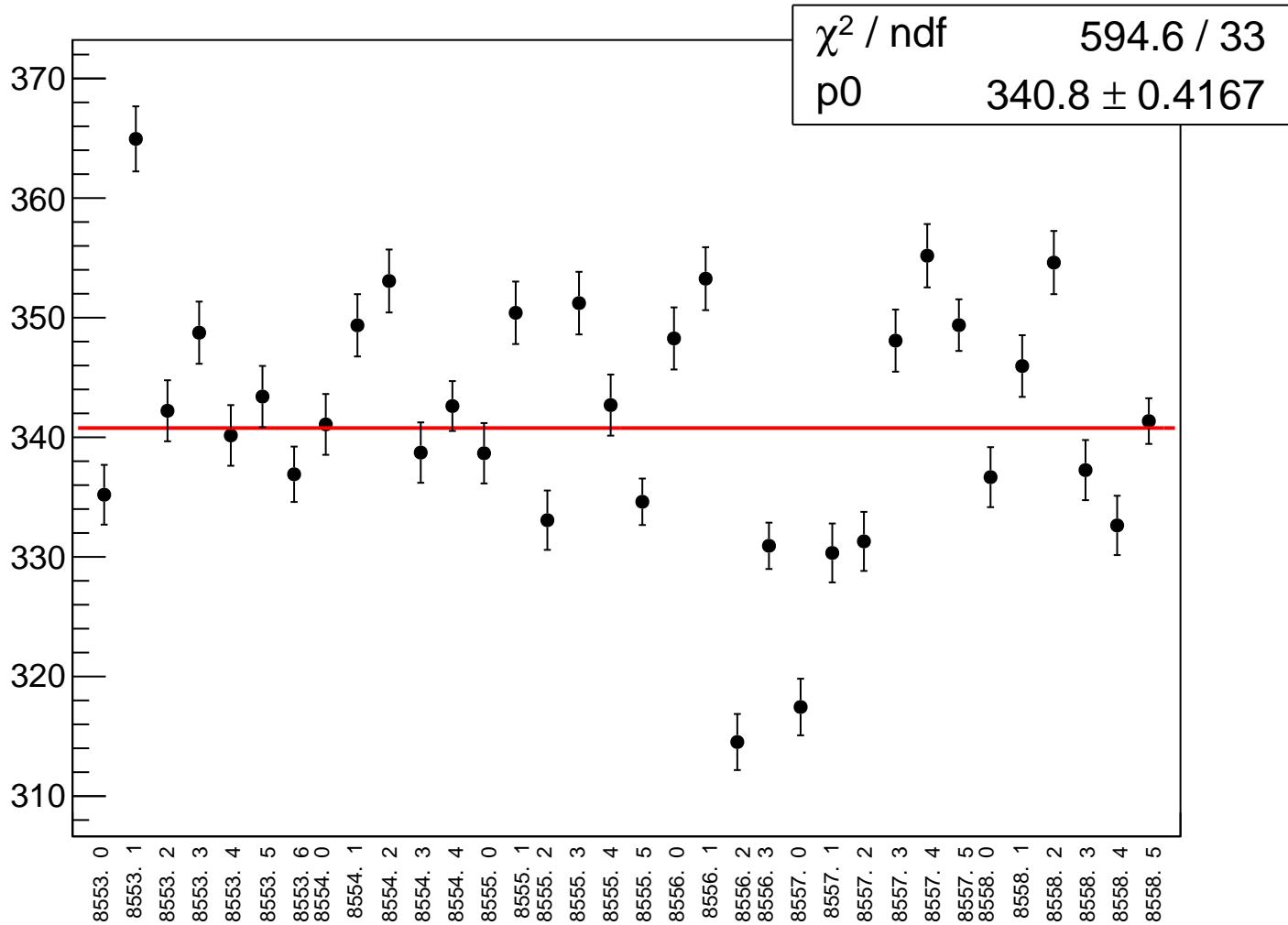
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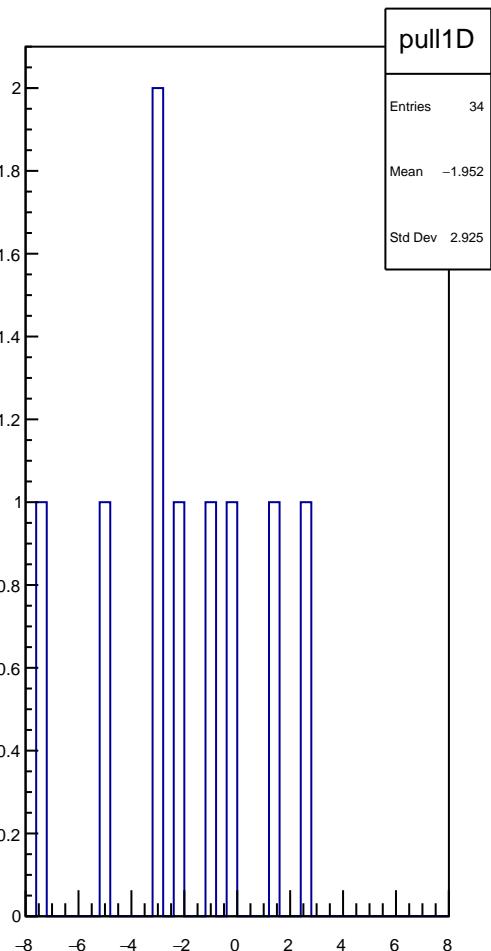
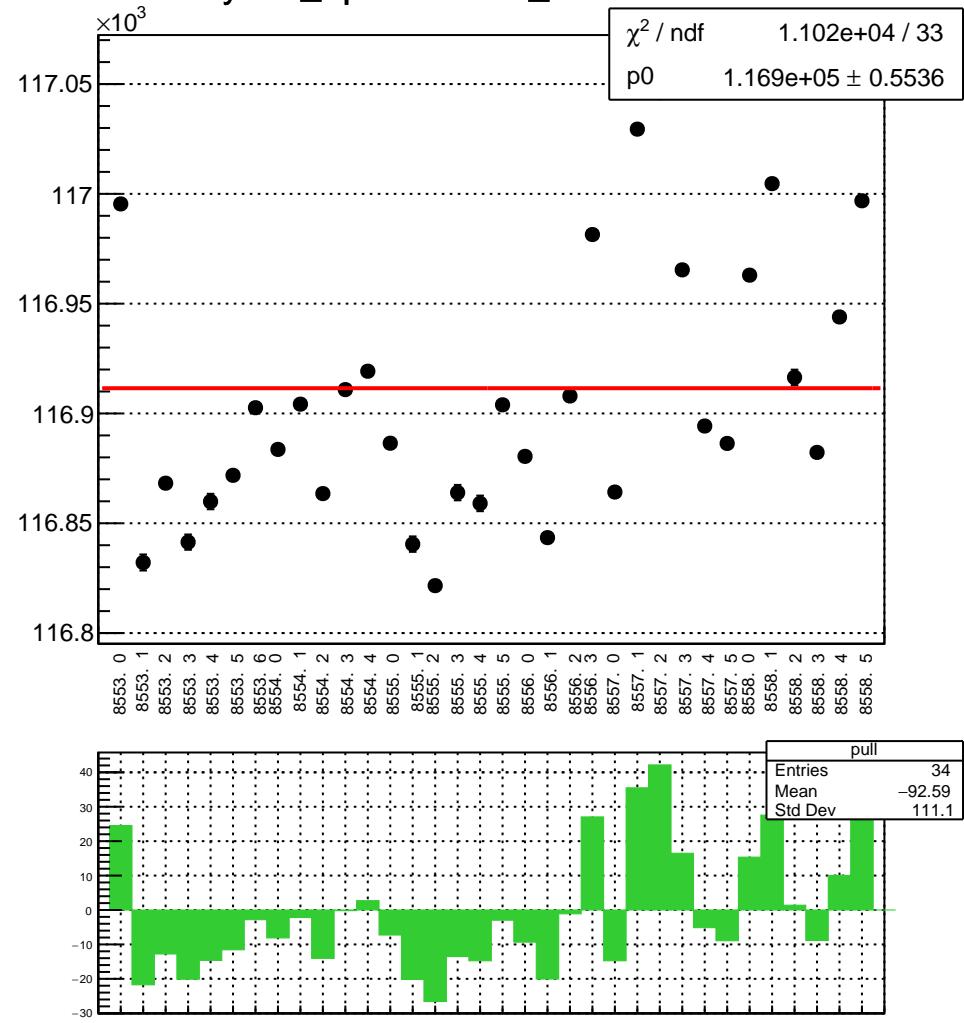
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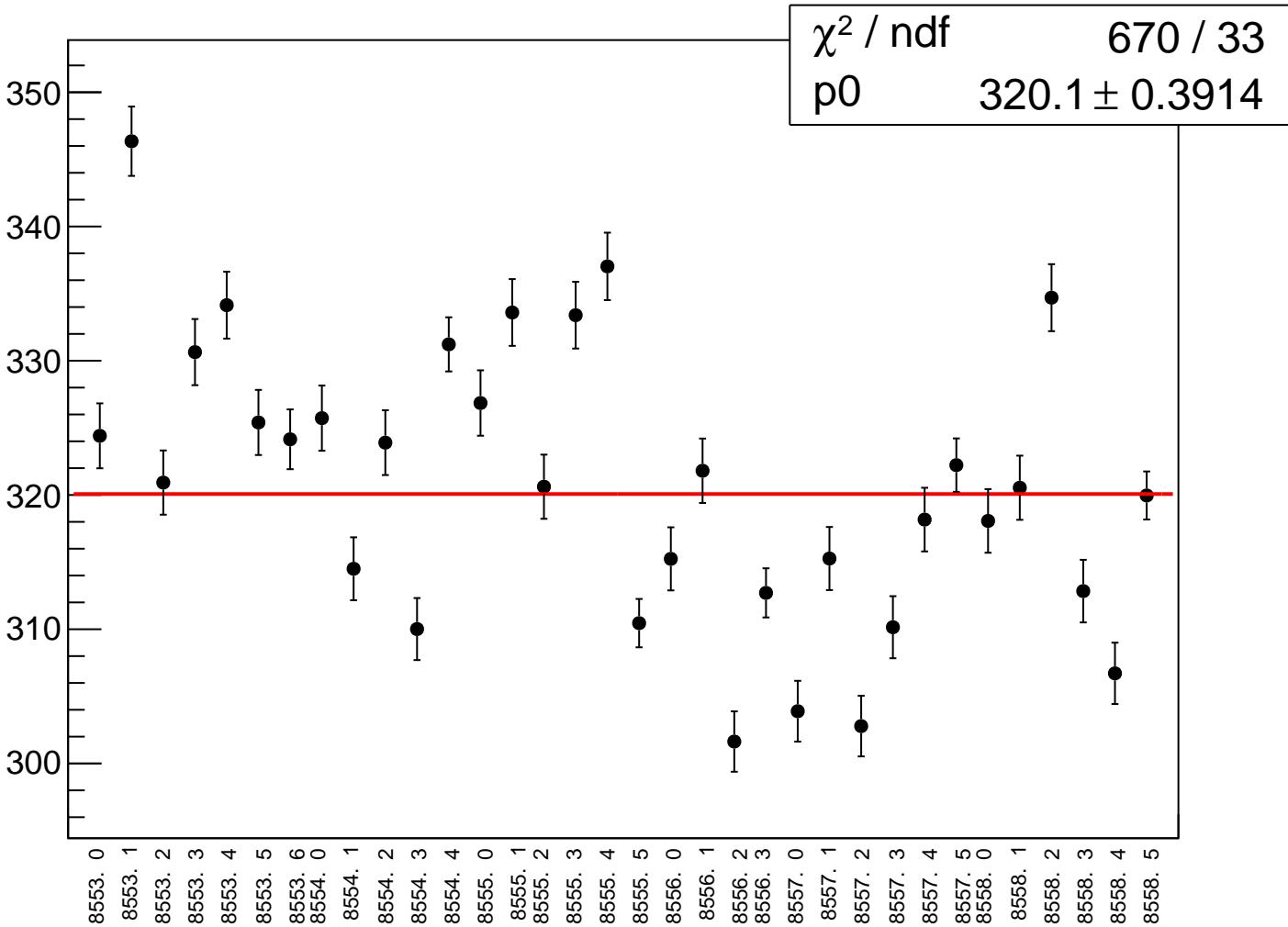
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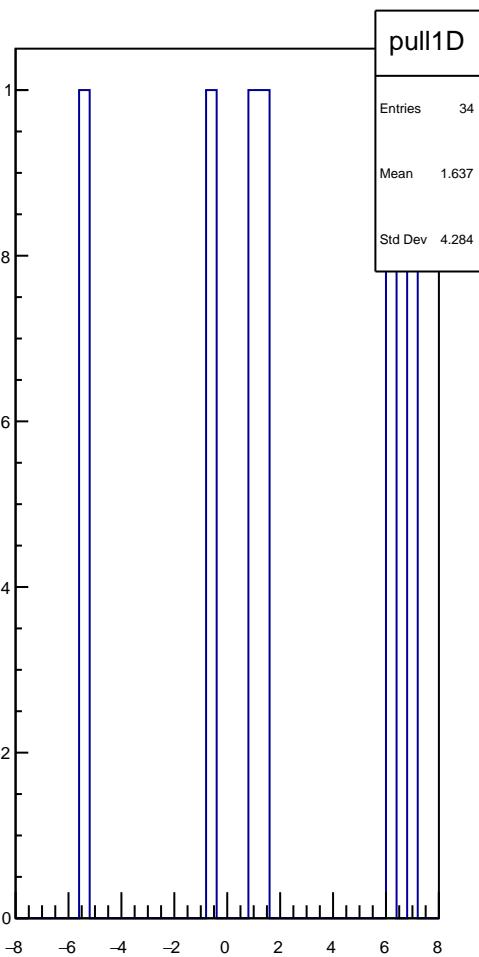
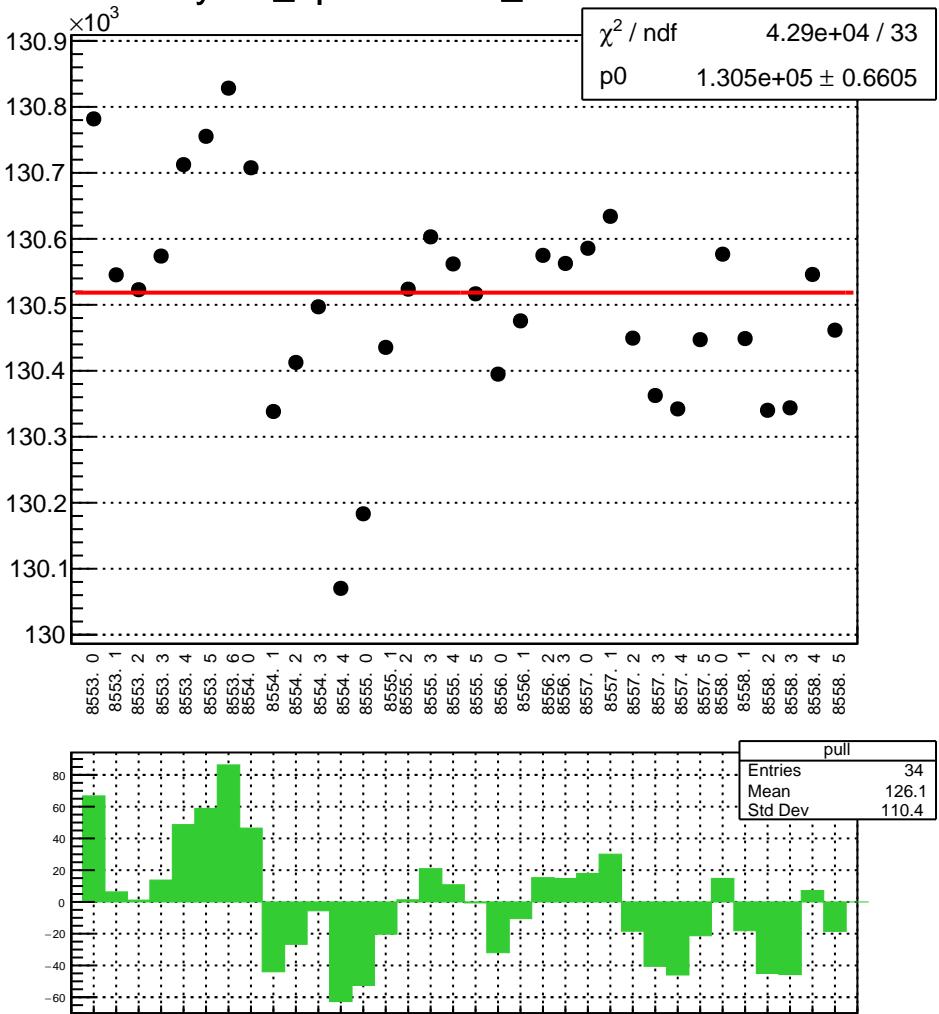
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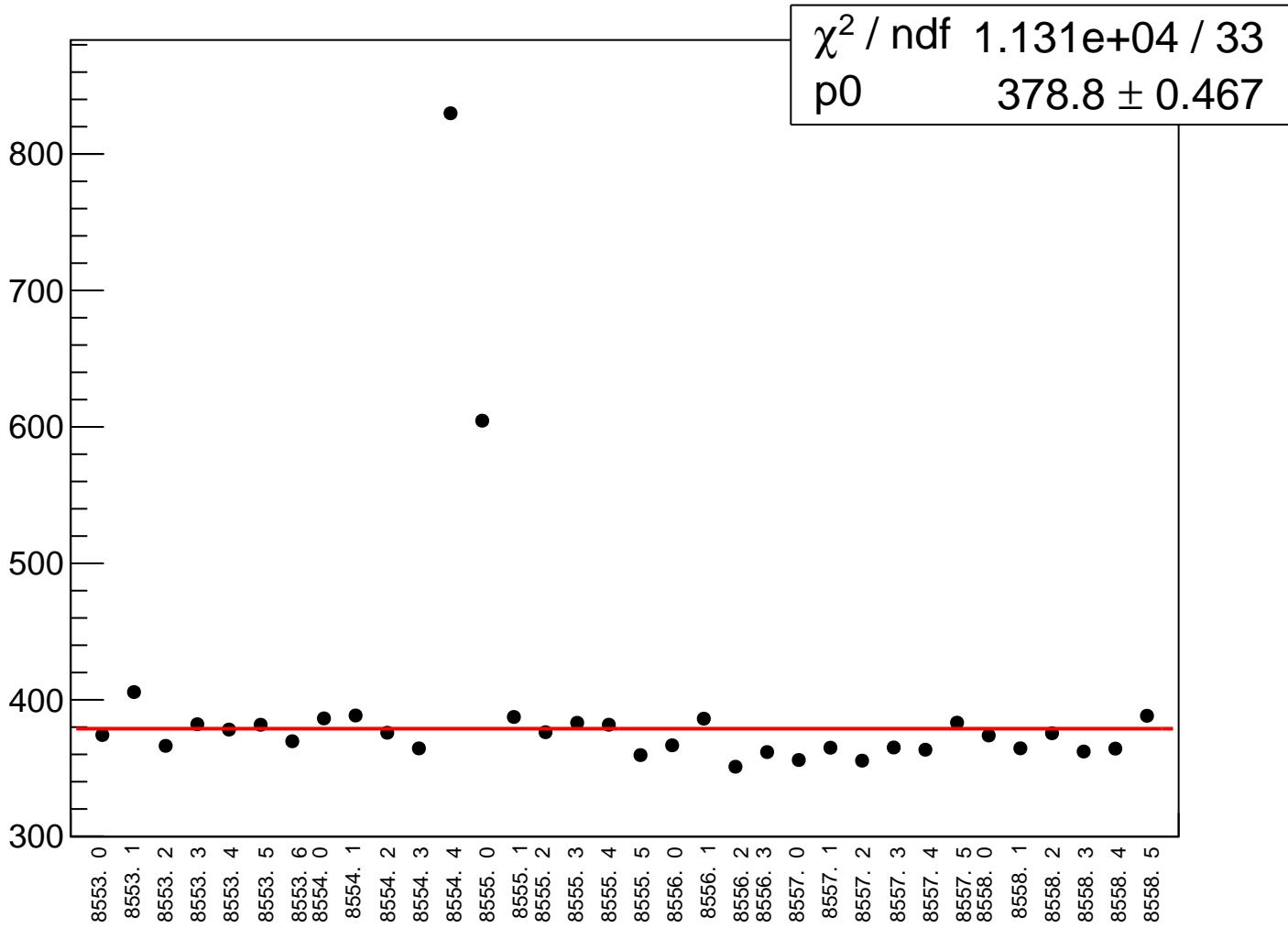
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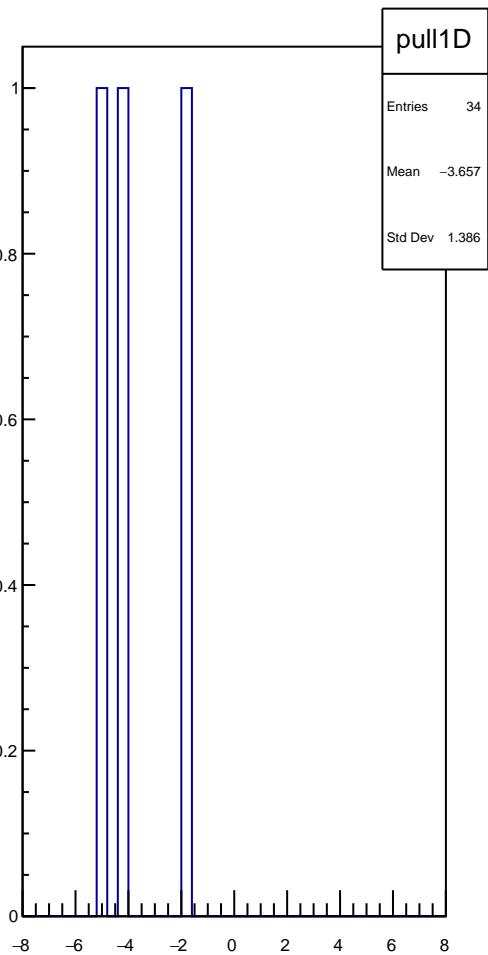
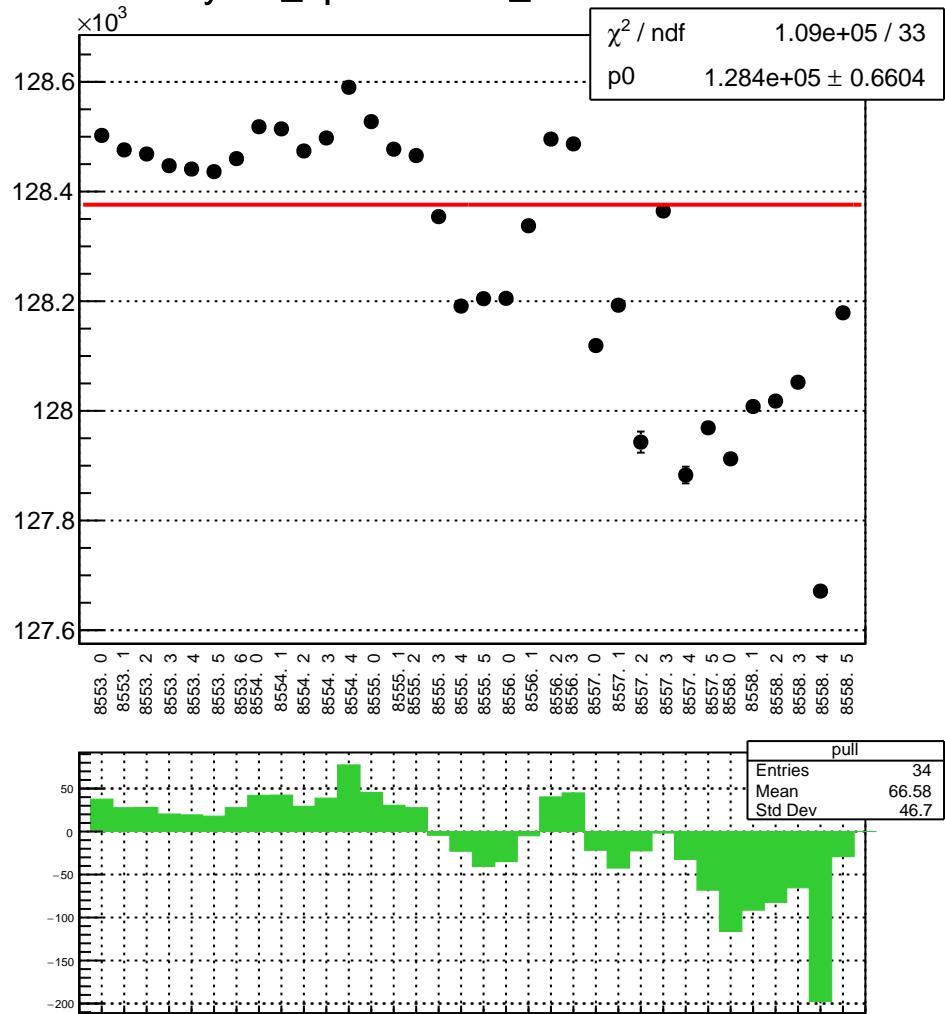
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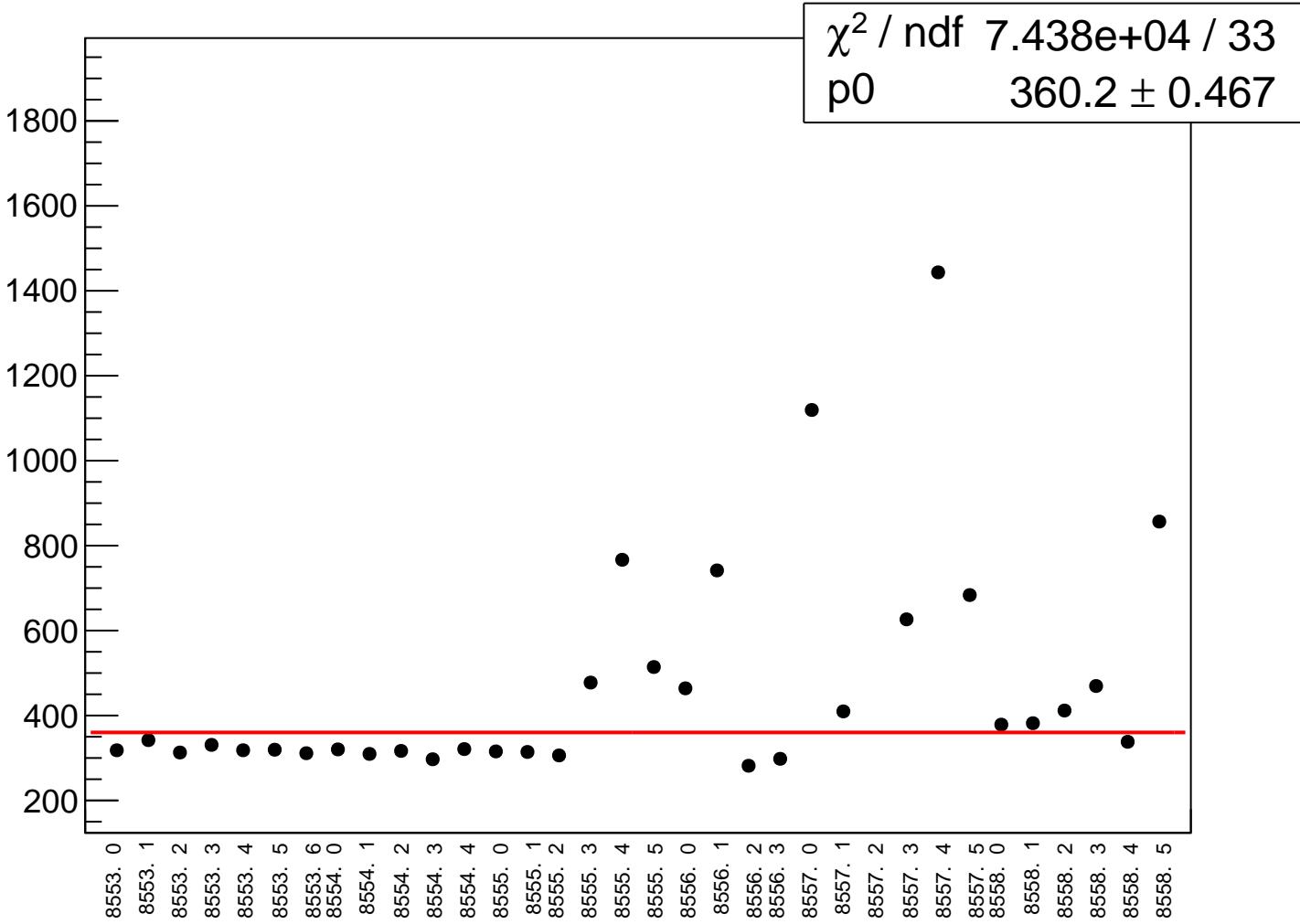
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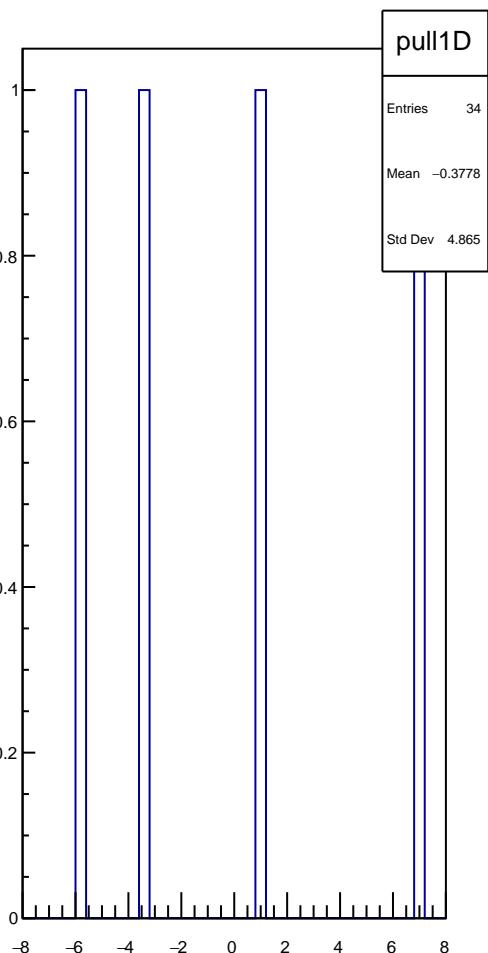
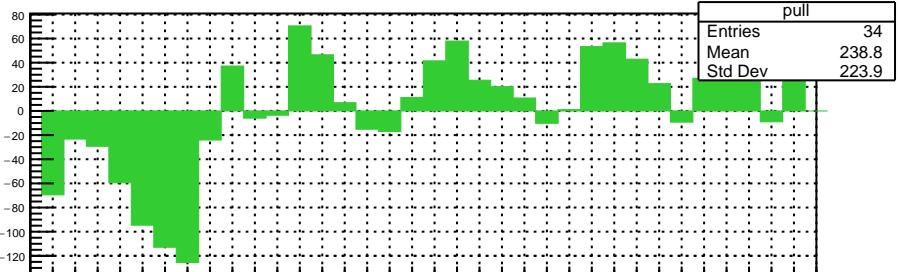
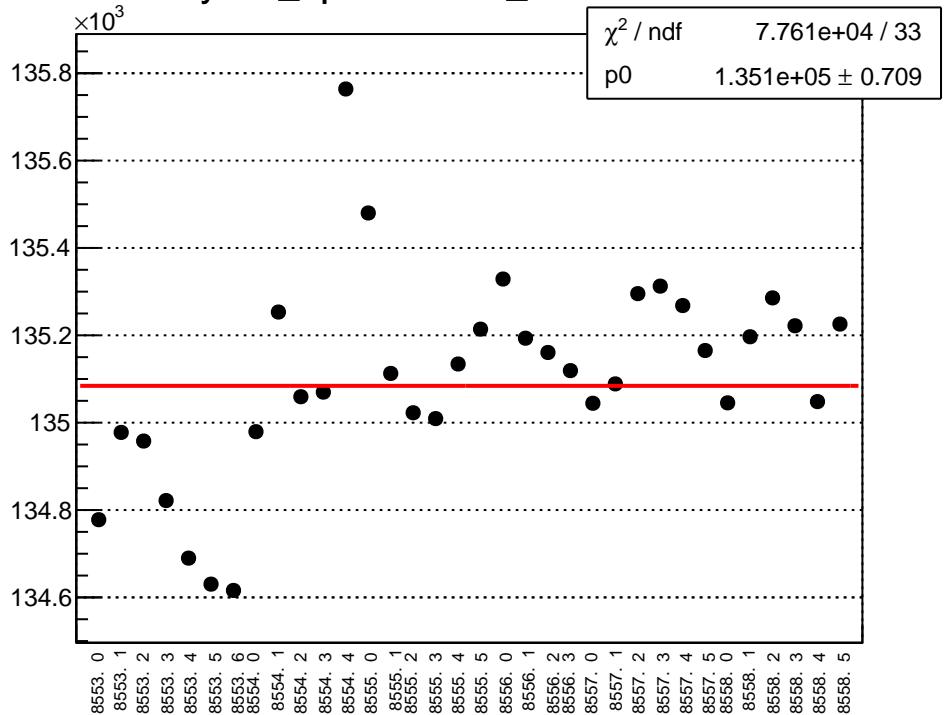
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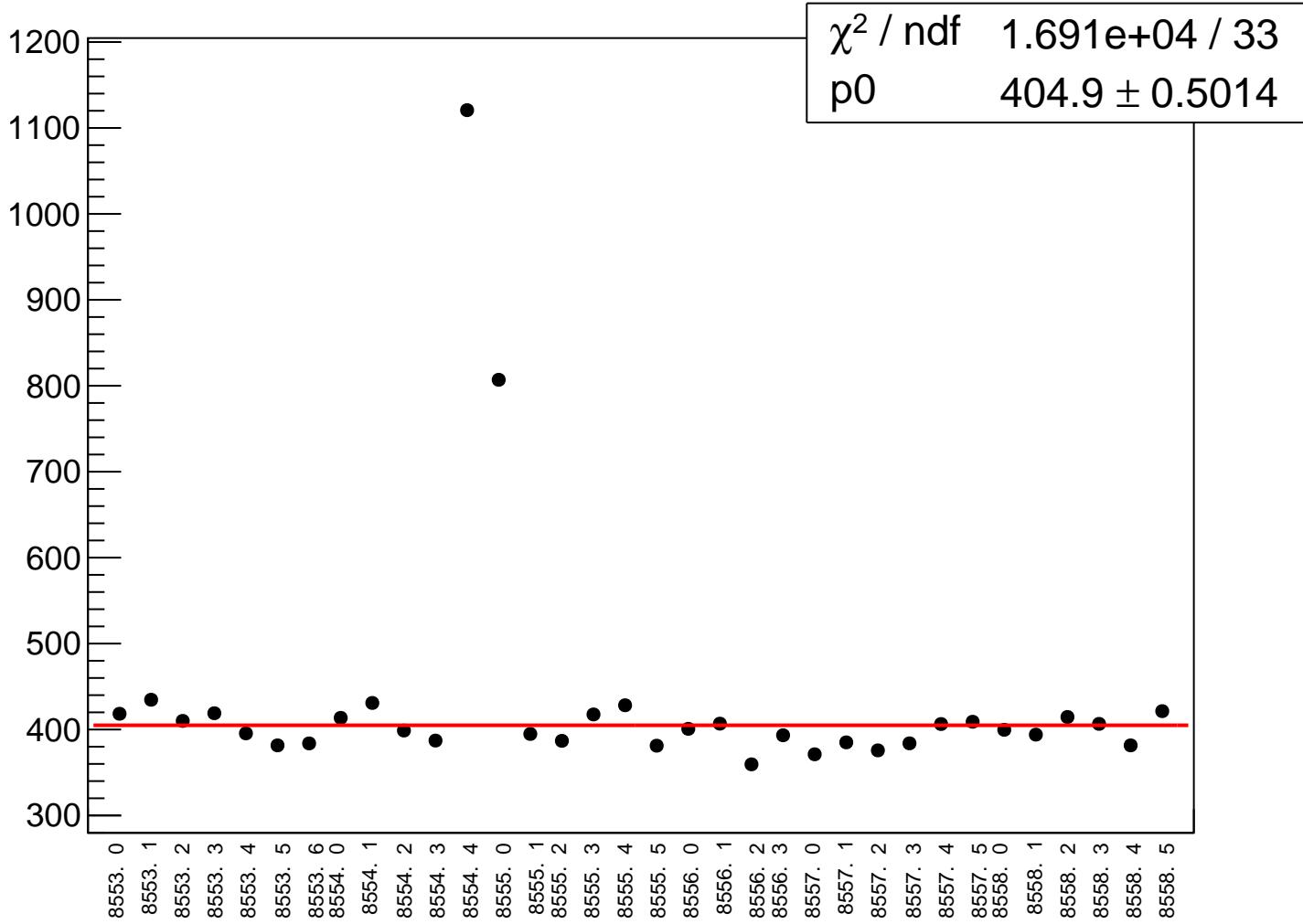
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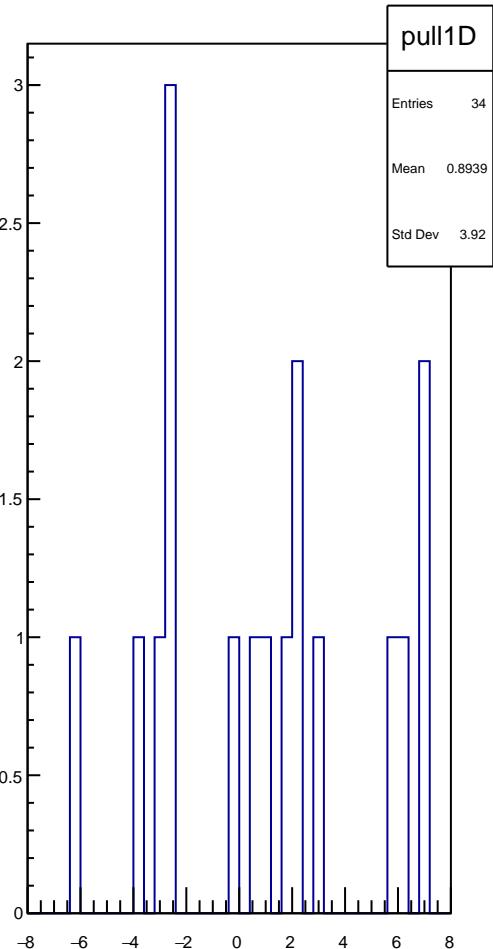
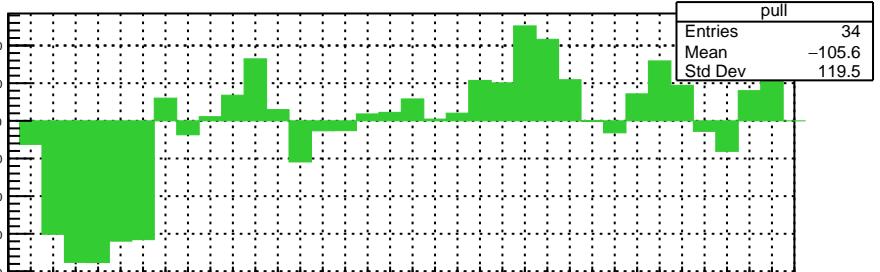
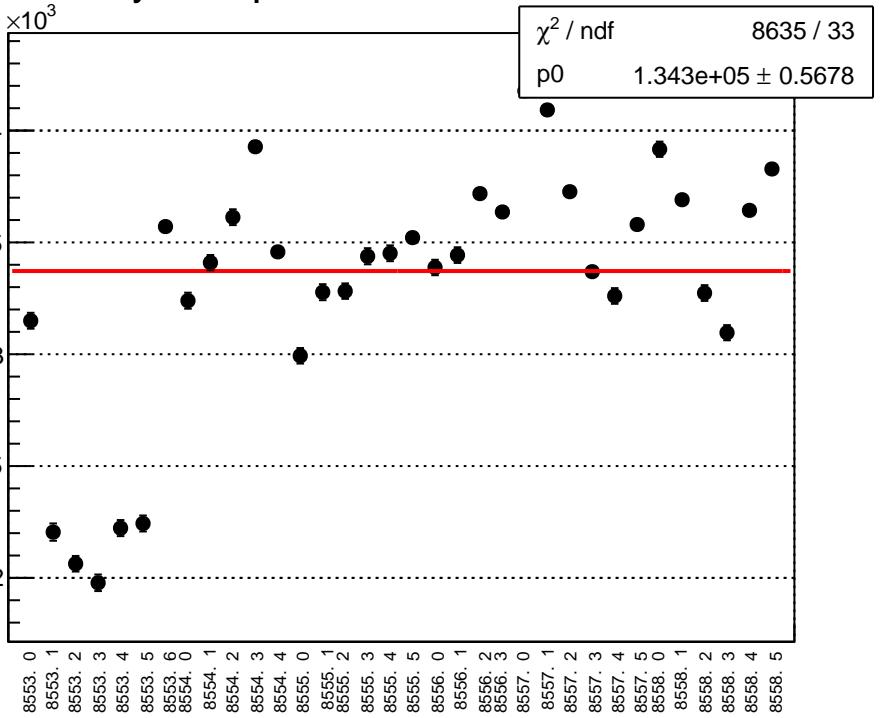
yield_bpm0l04WS_mean vs run



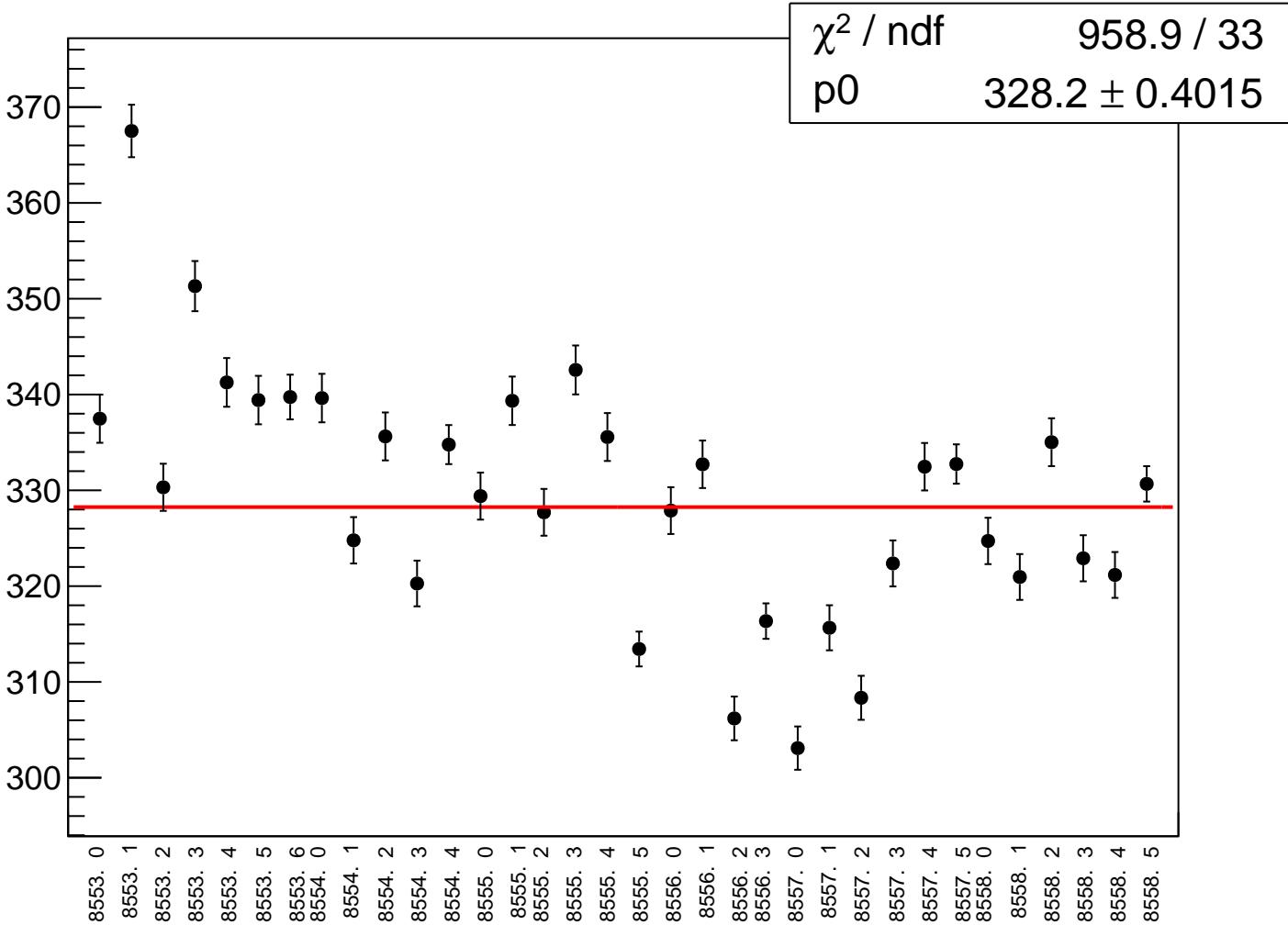
yield_bpm0l04WS_rms vs run



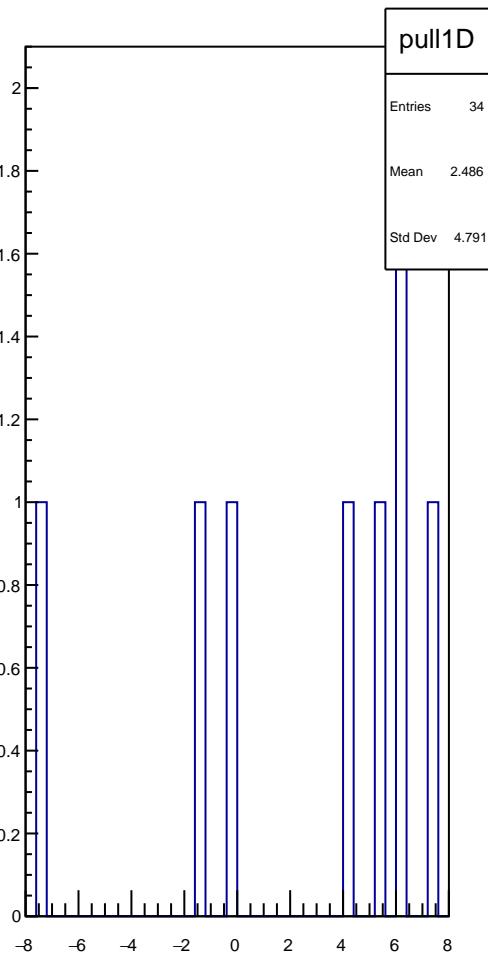
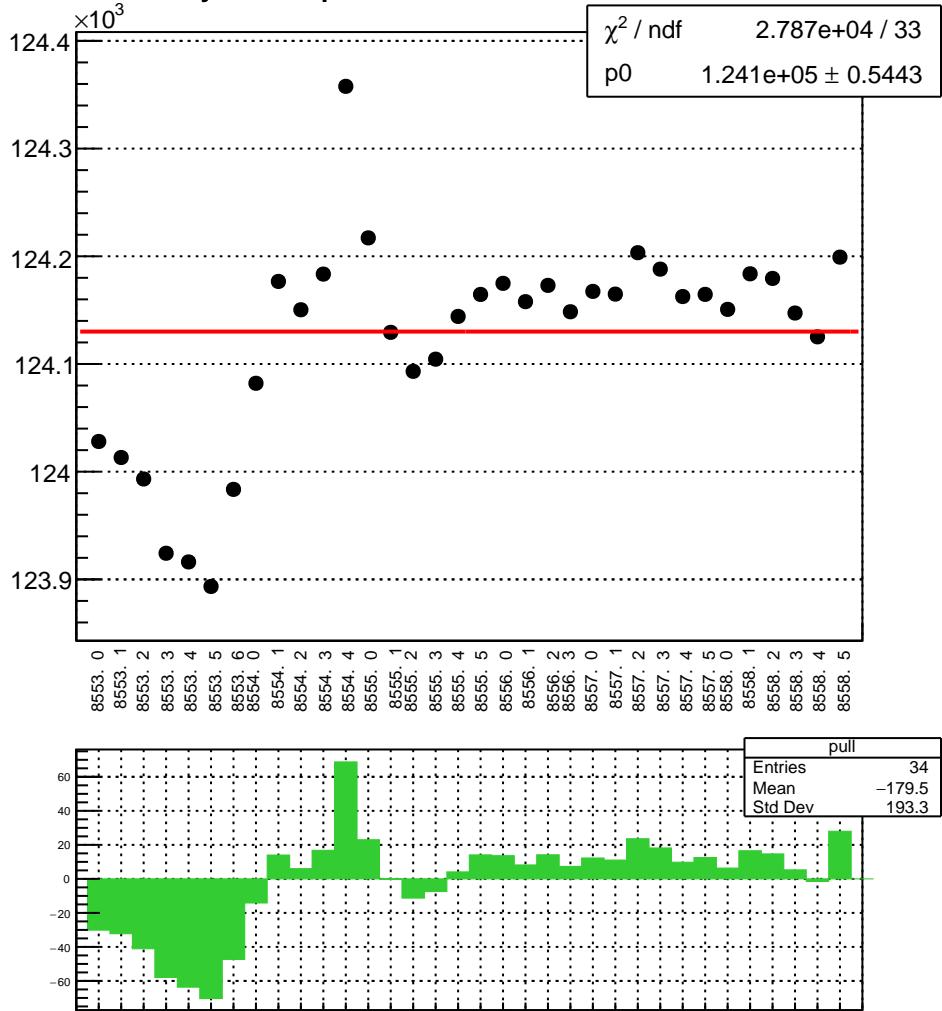
yield_bpm0l05WS_mean vs run



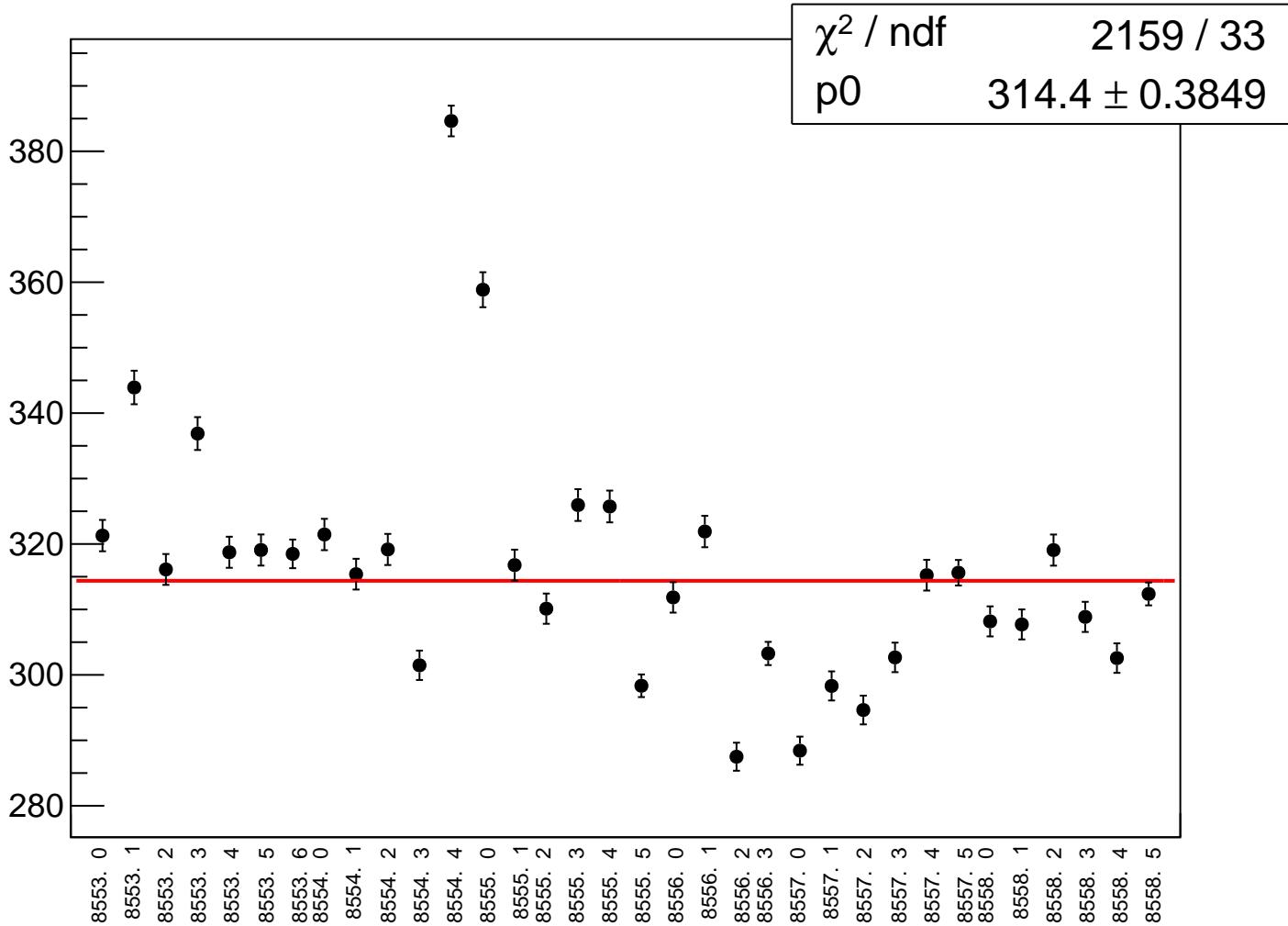
yield_bpm0l05WS_rms vs run



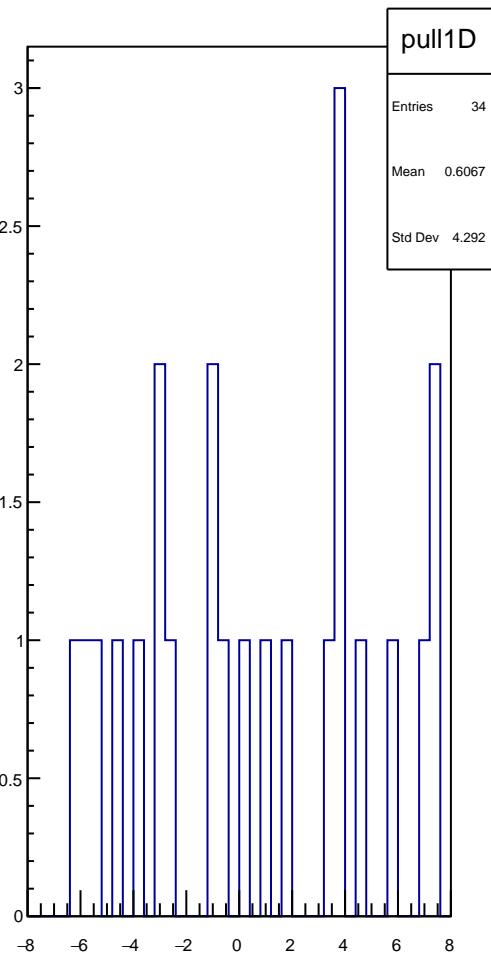
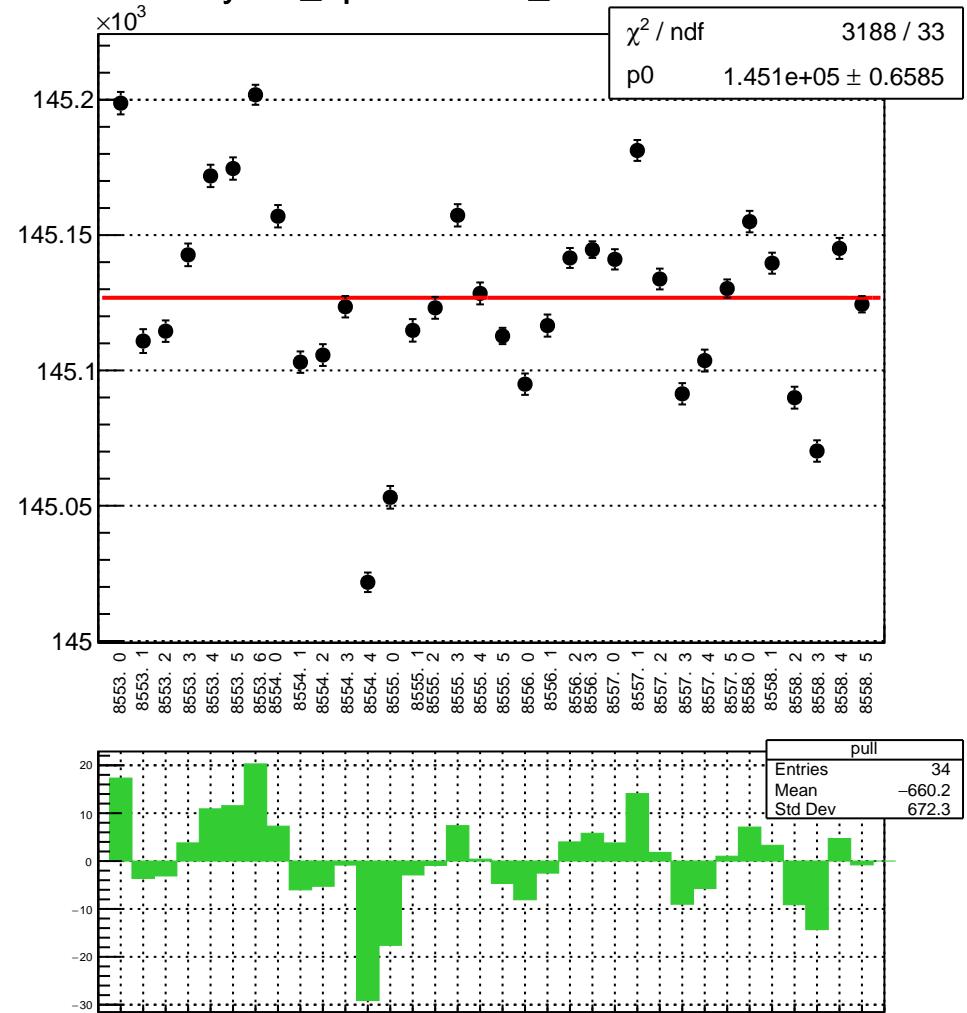
yield_bpm0l06WS_mean vs run



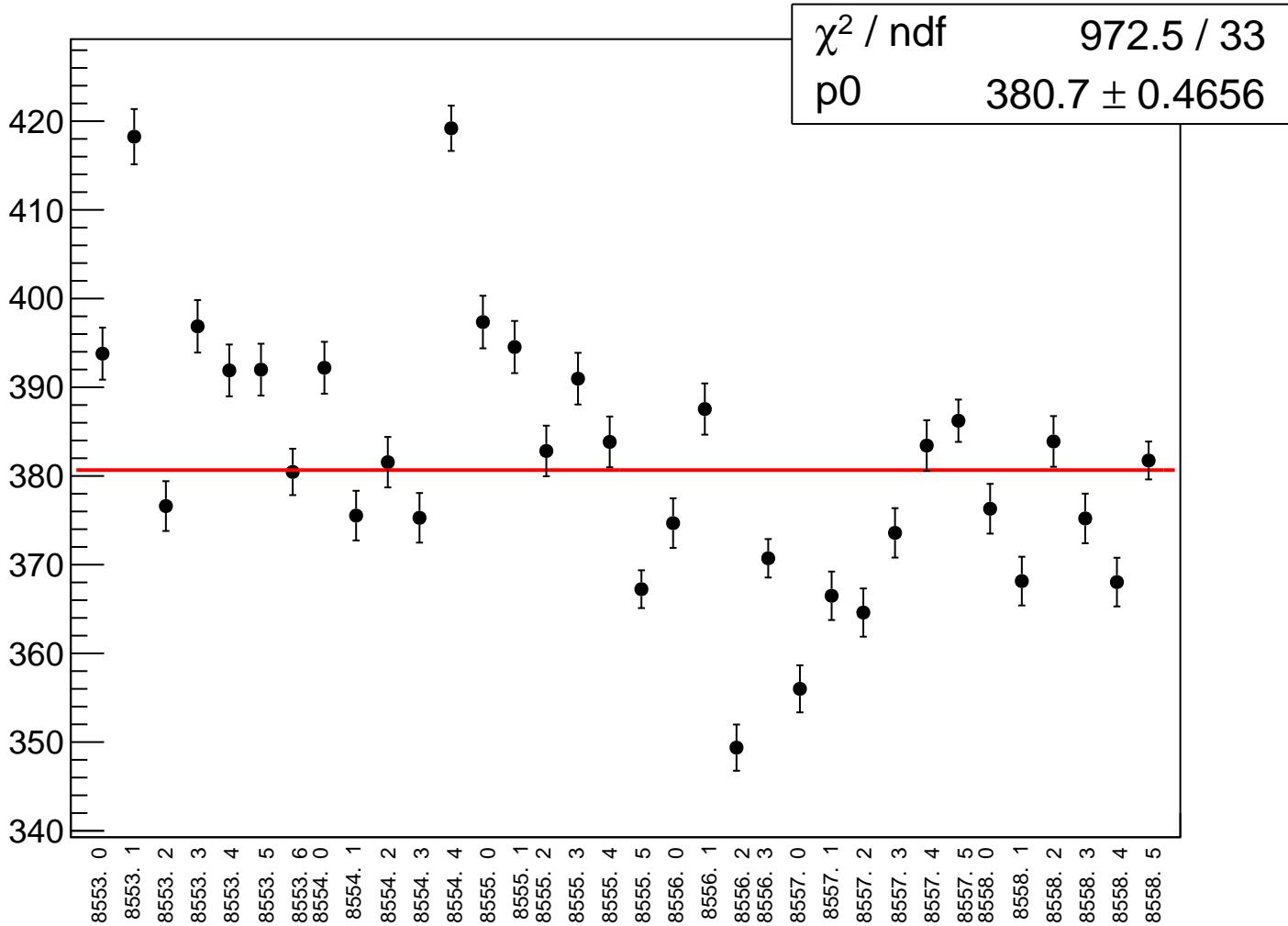
yield_bpm0l06WS_rms vs run



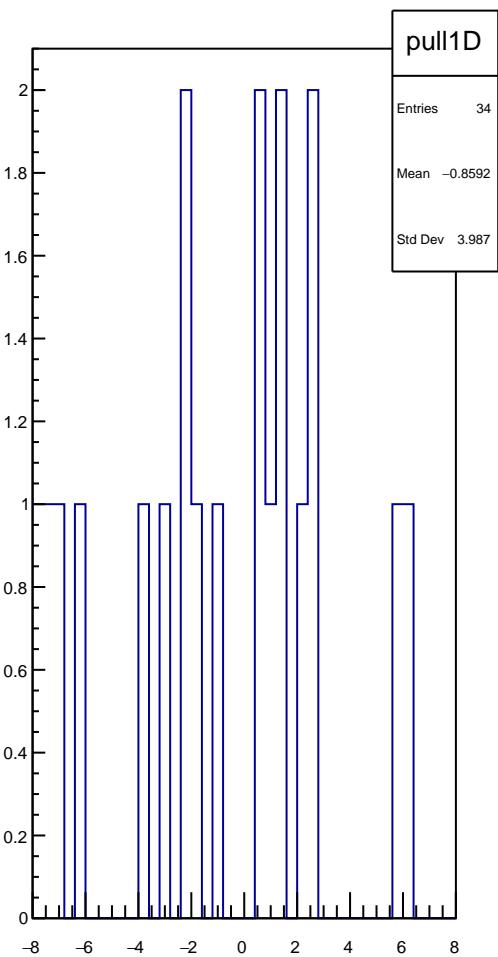
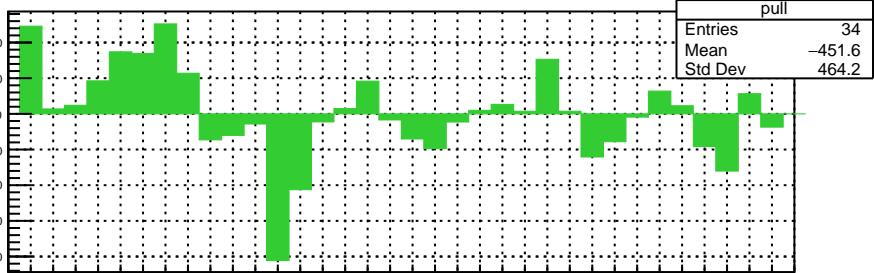
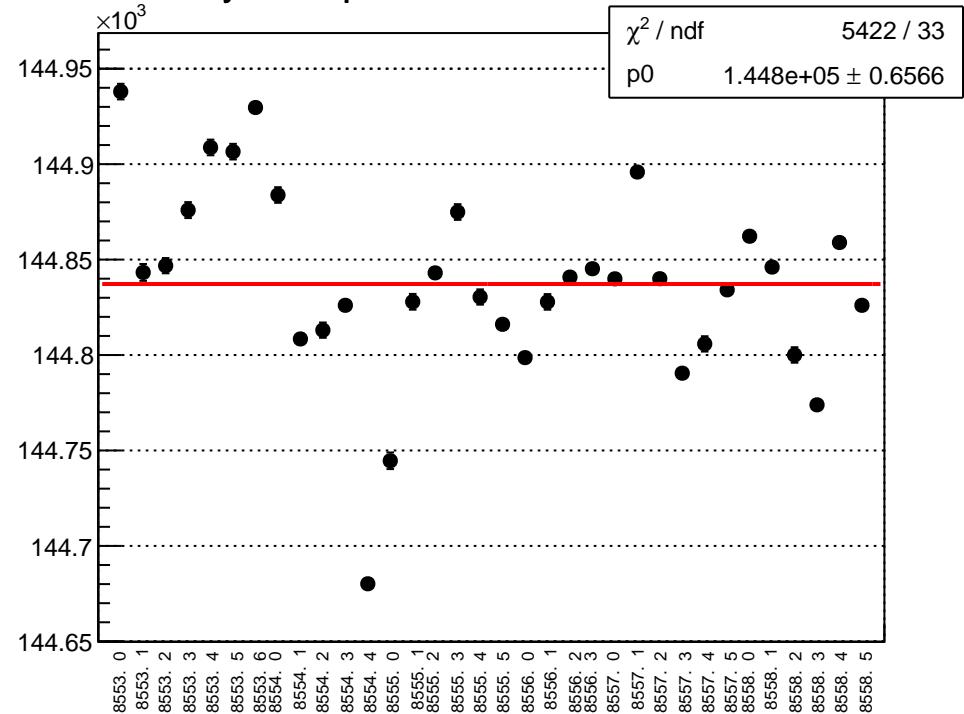
yield_bpm0l07WS_mean vs run



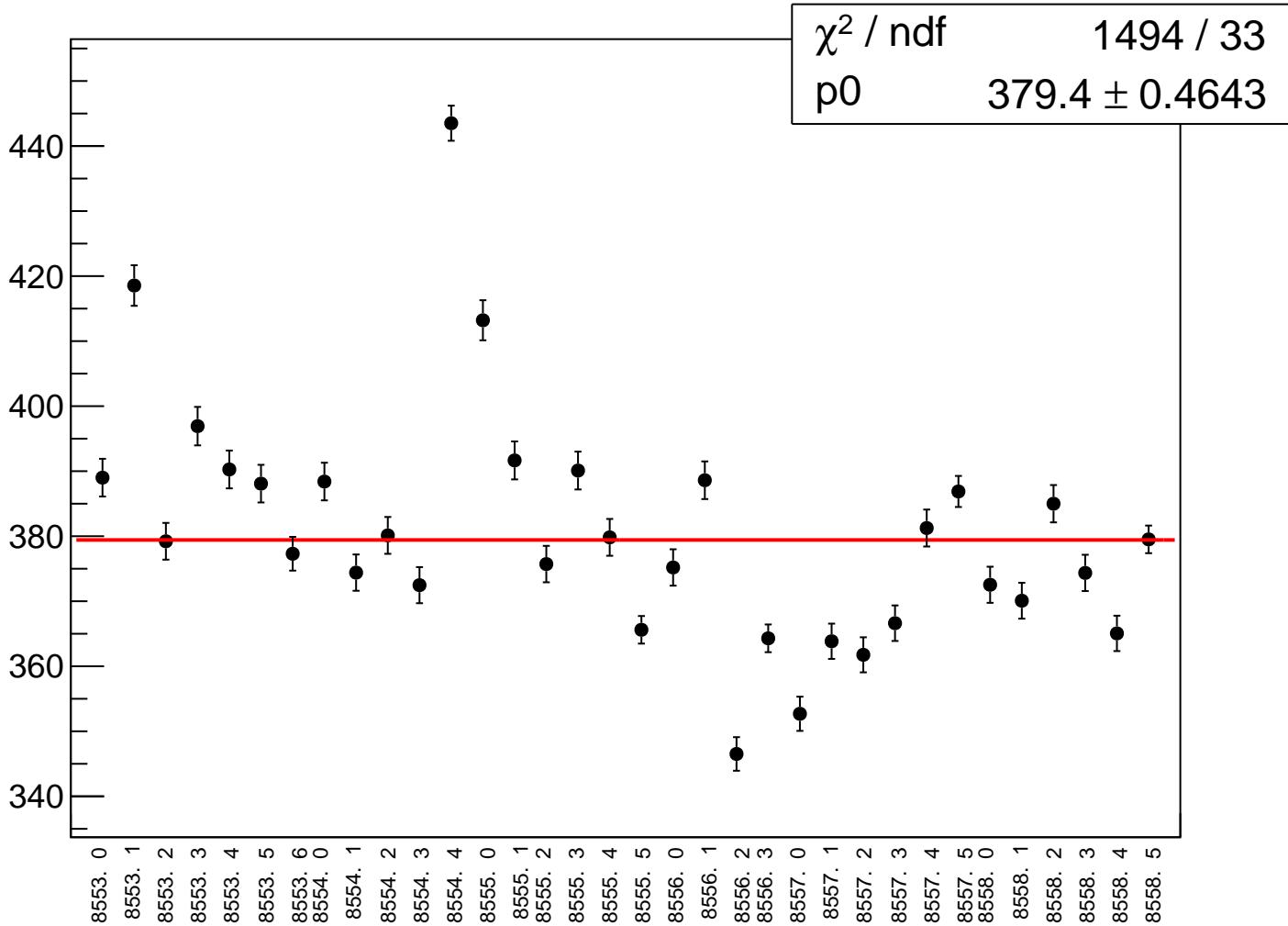
yield_bpm0l07WS_rms vs run



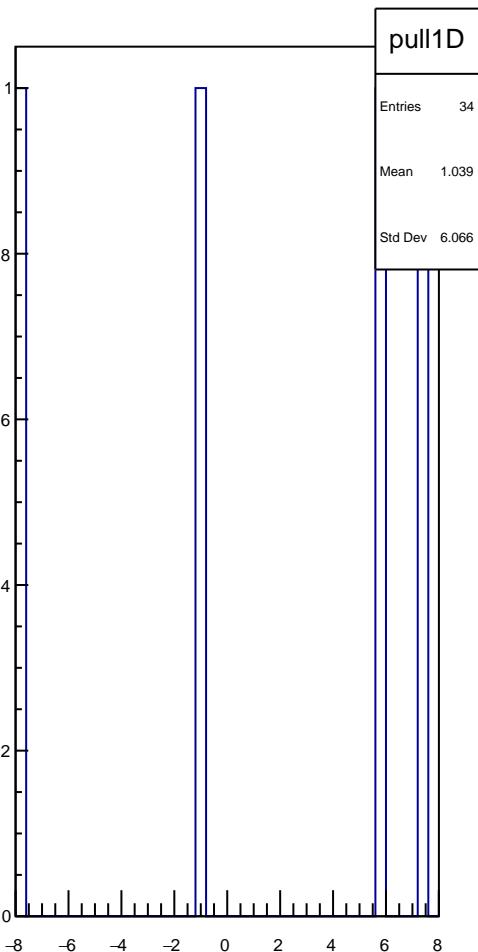
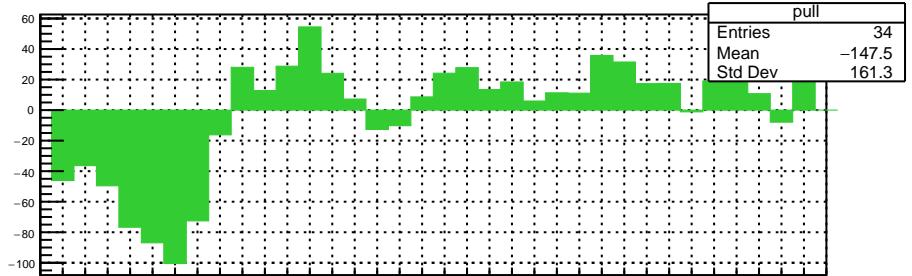
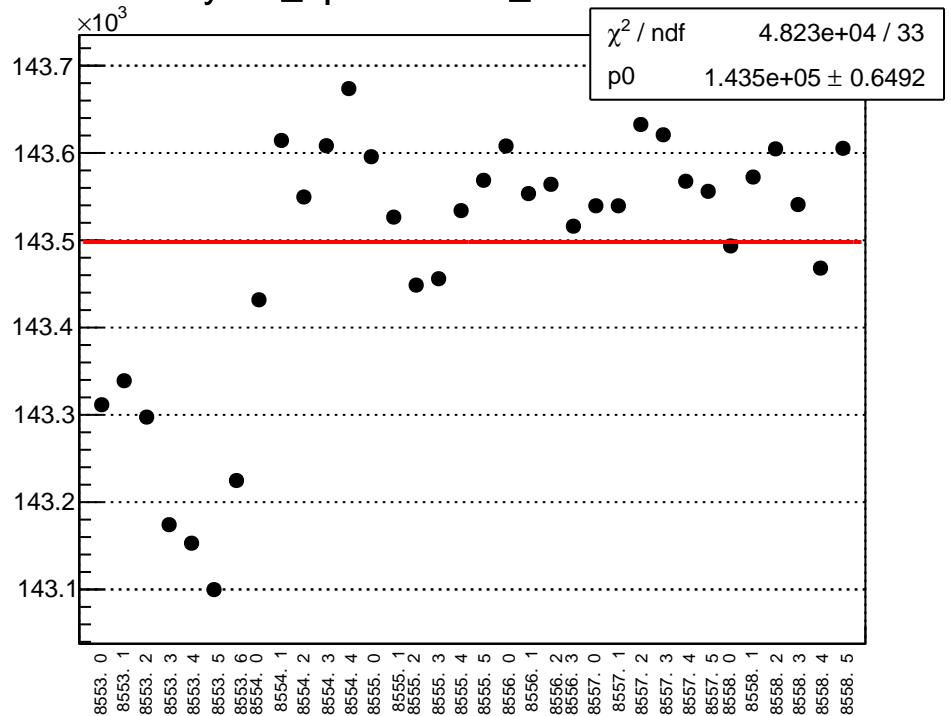
yield_bpm0l08WS_mean vs run



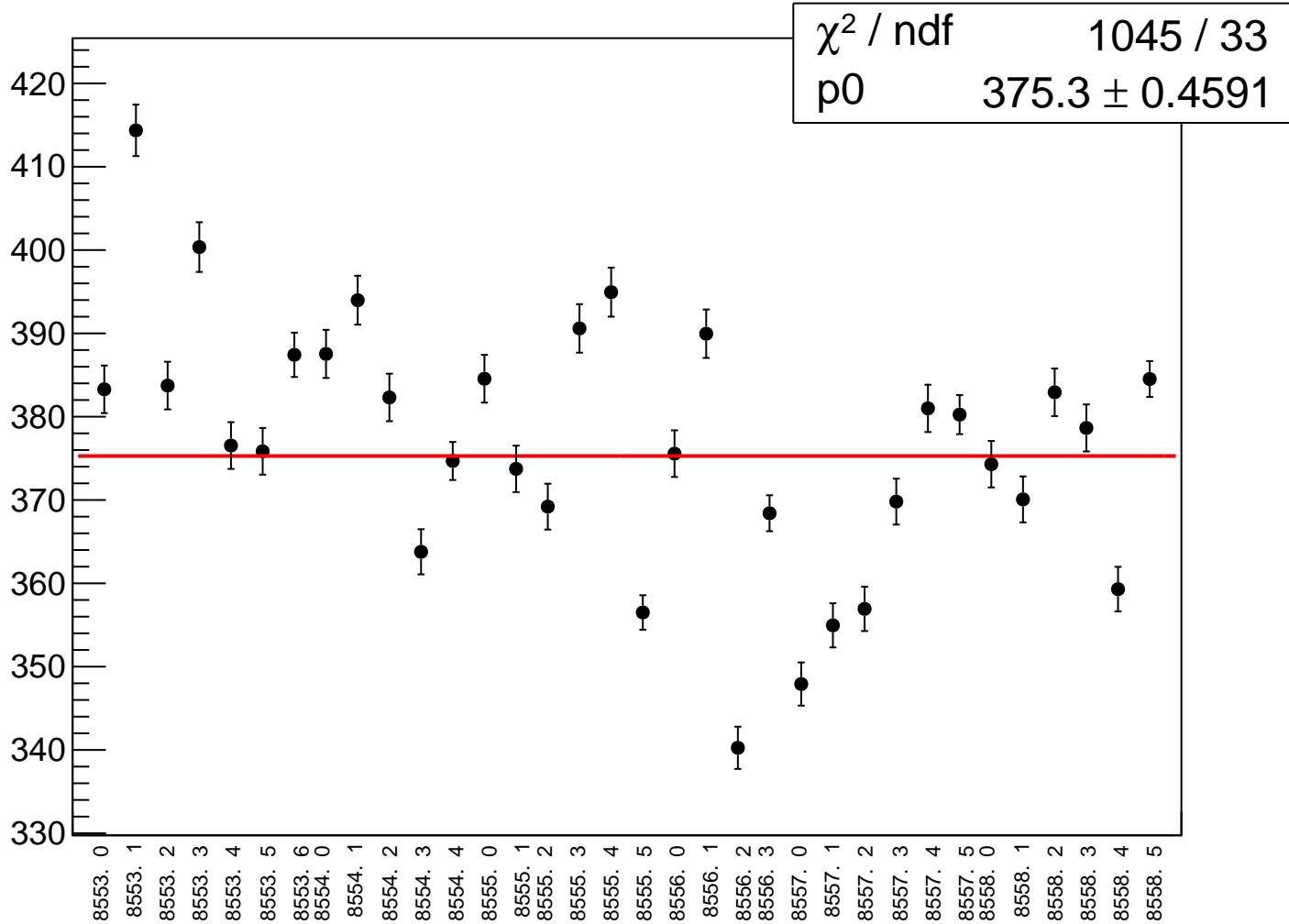
yield_bpm0l08WS_rms vs run

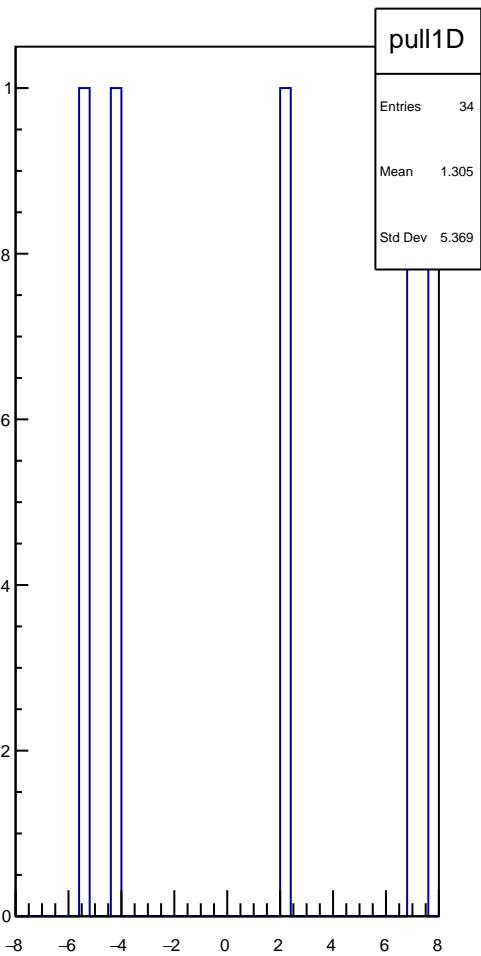
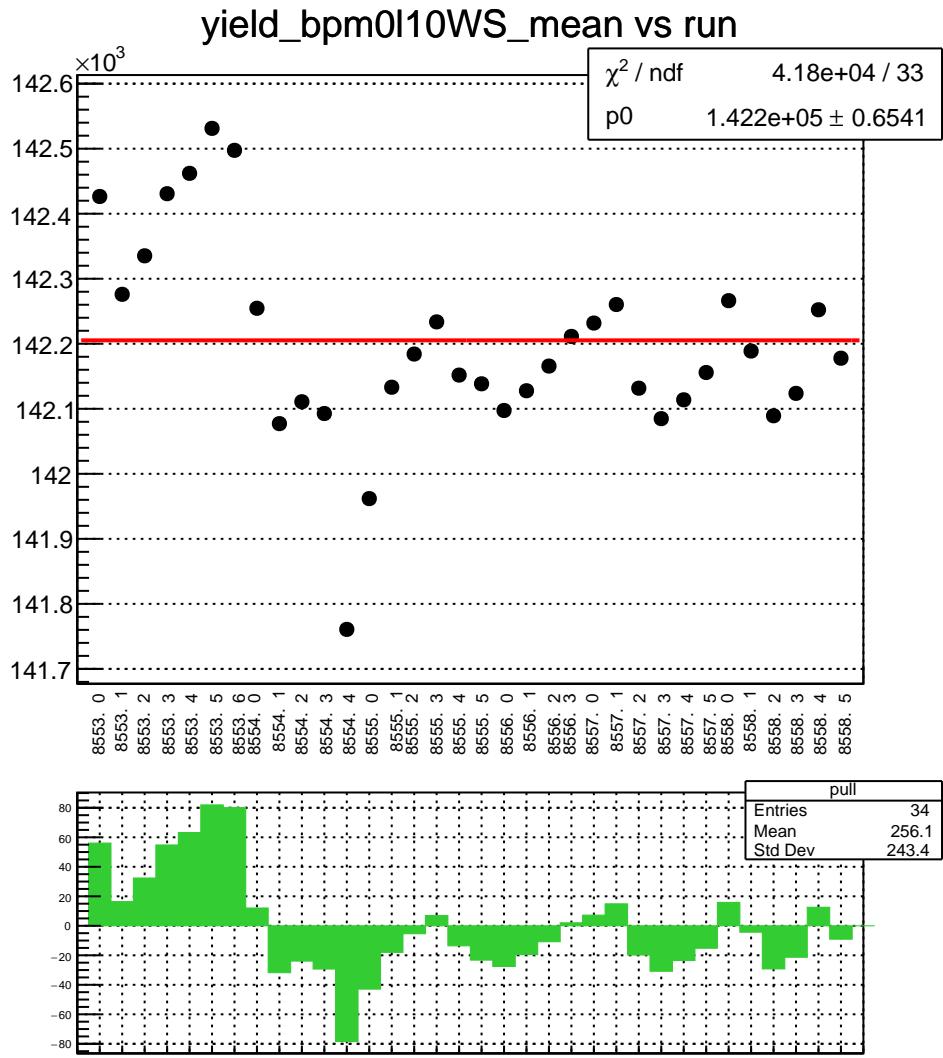


yield_bpm0l09WS_mean vs run

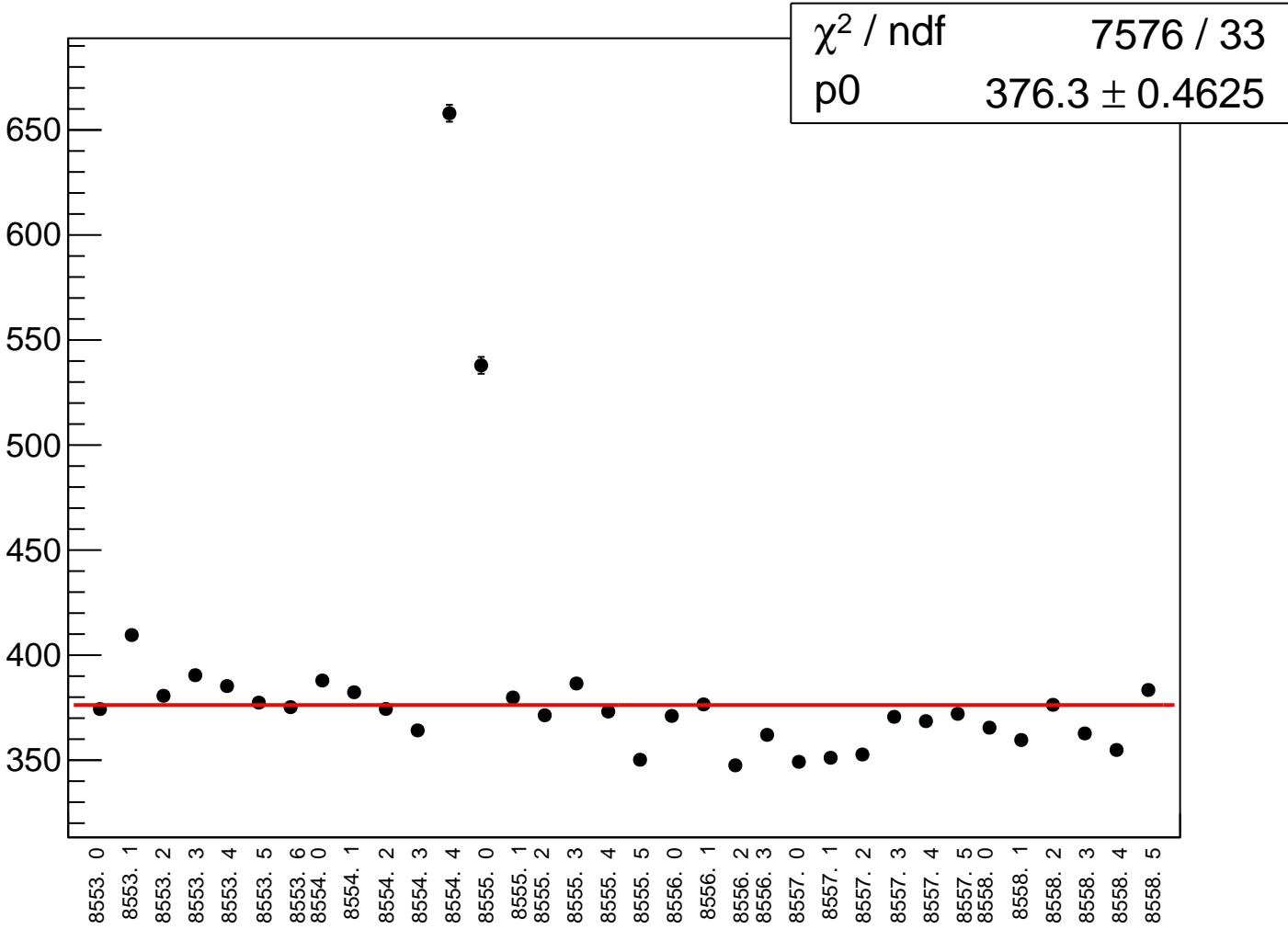


yield_bpm0l09WS_rms vs run

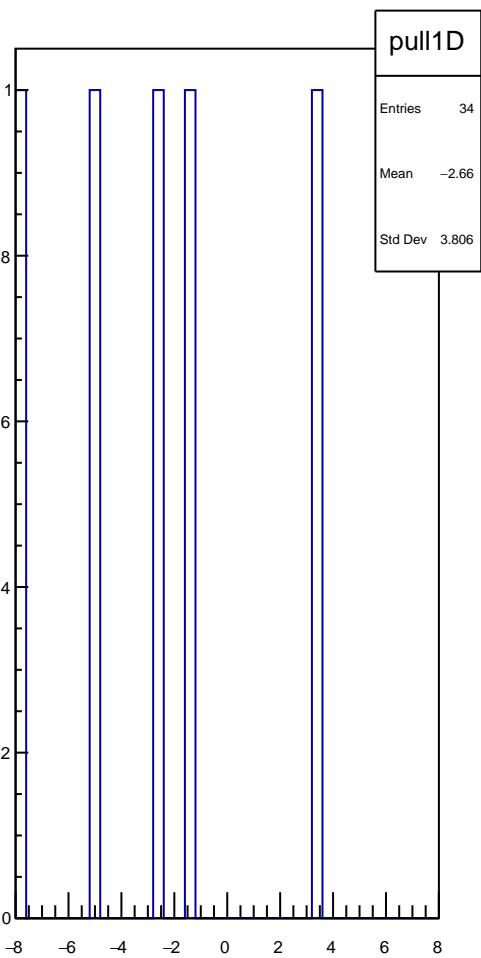
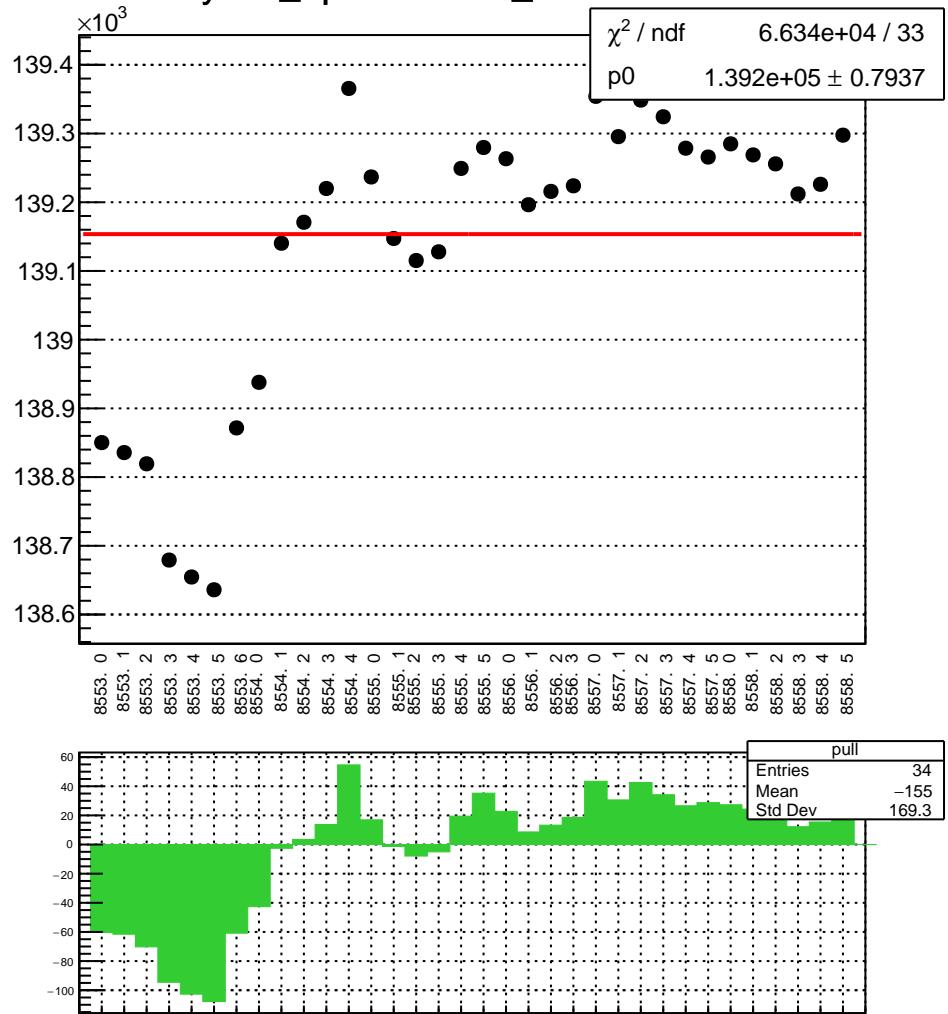




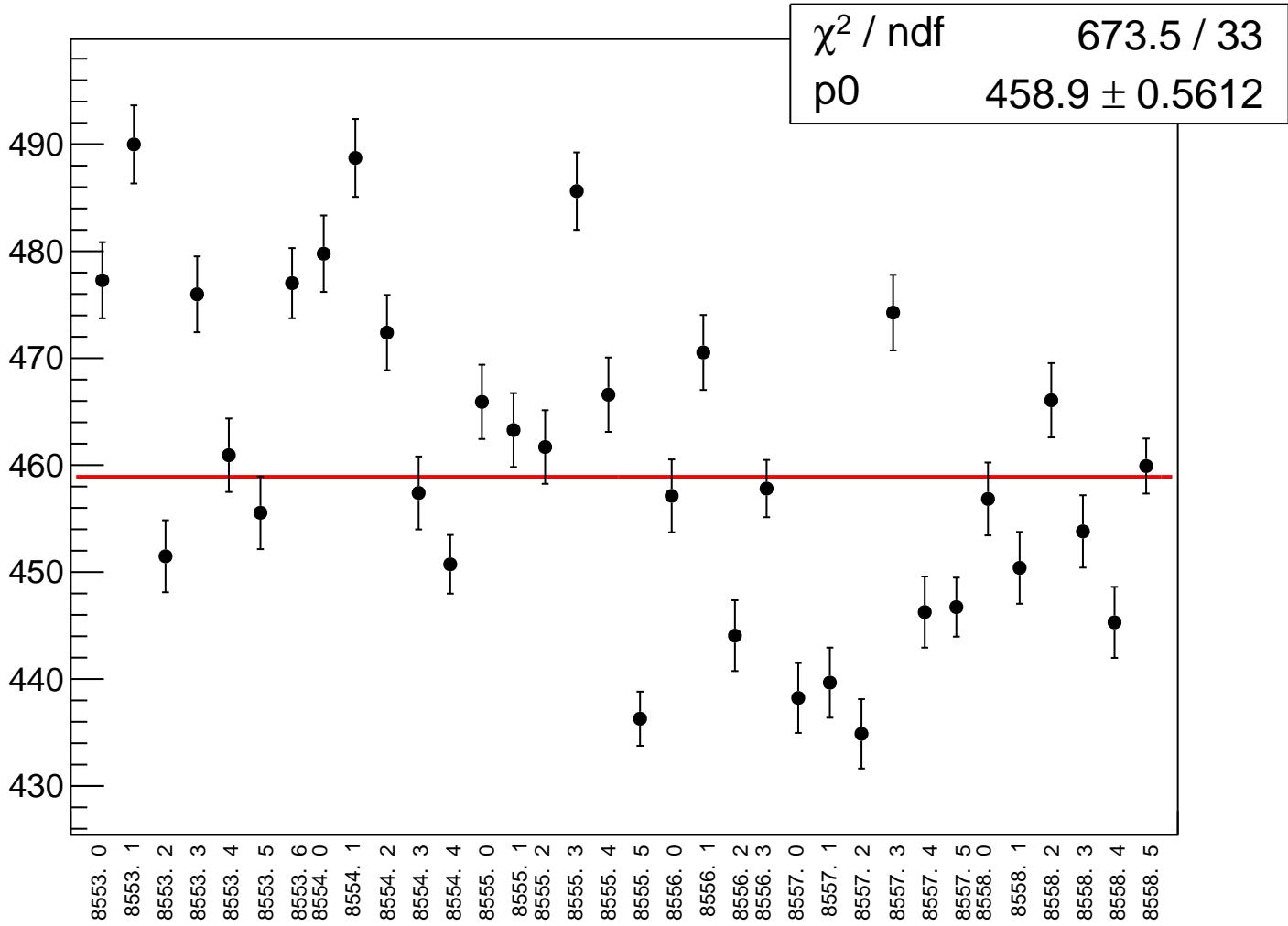
yield_bpm0I10WS_rms vs run



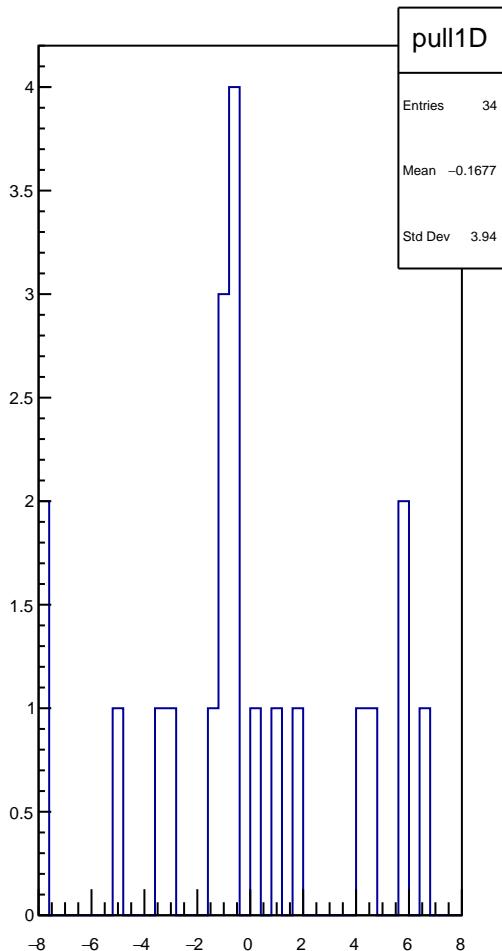
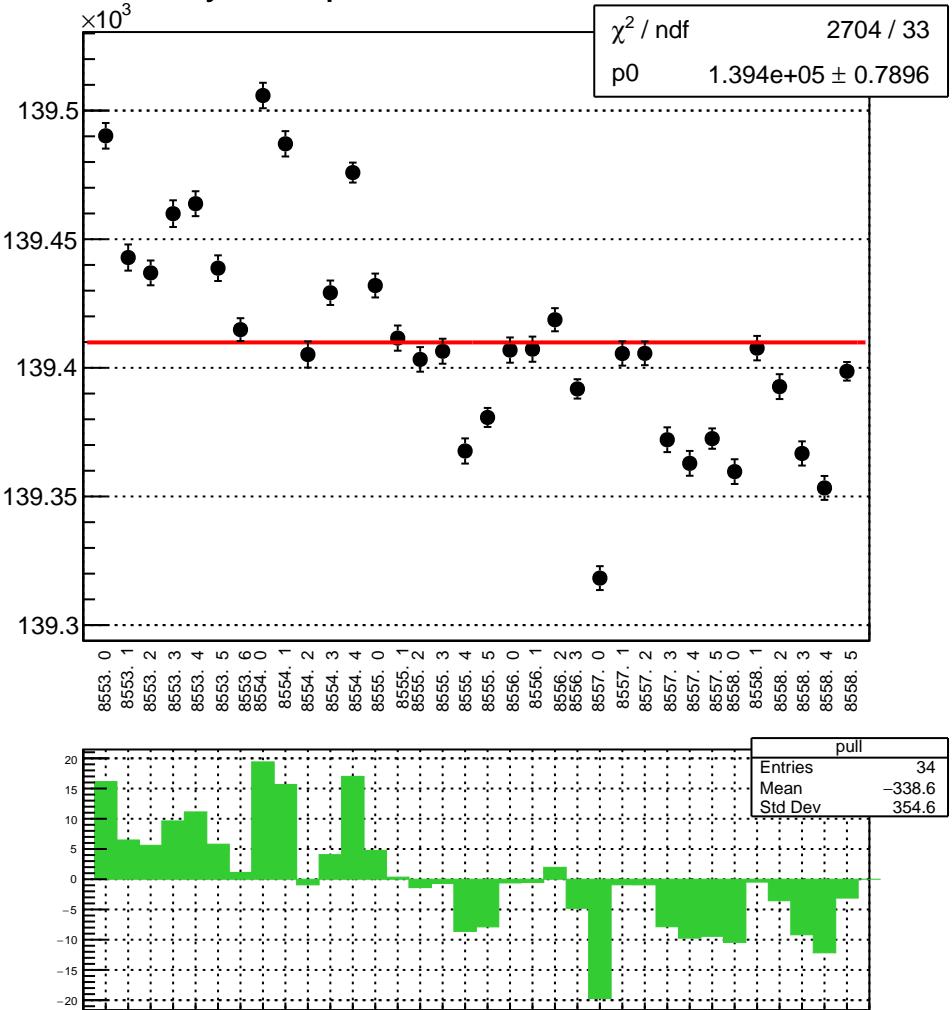
yield_bpm0r03WS_mean vs run



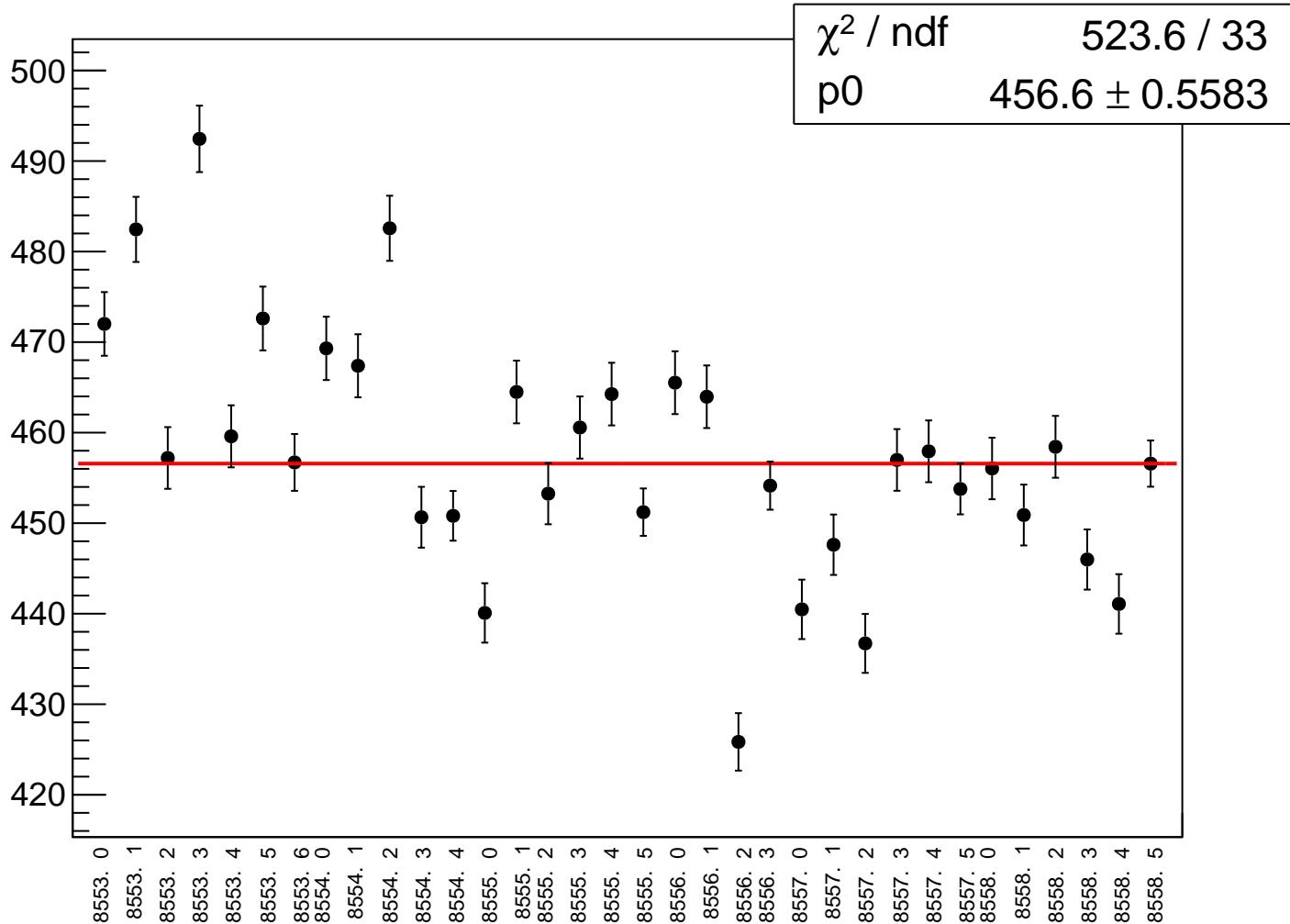
yield_bpm0r03WS_rms vs run



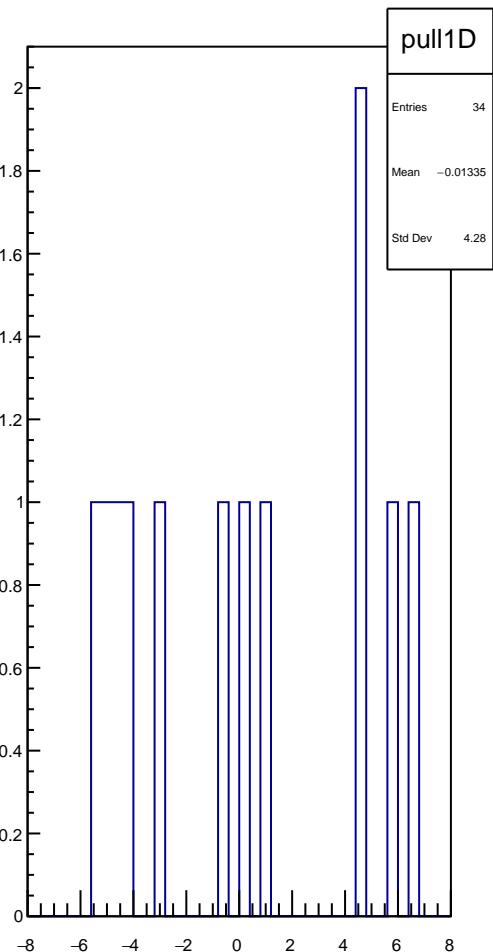
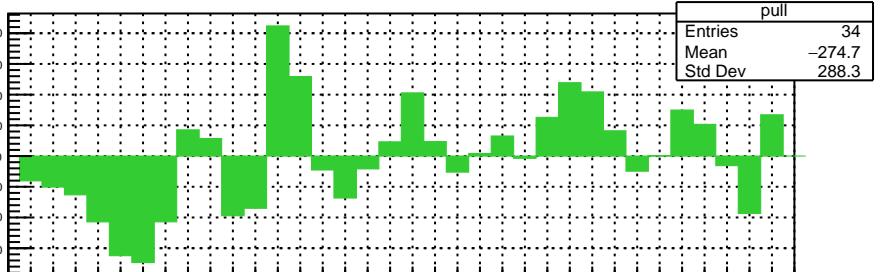
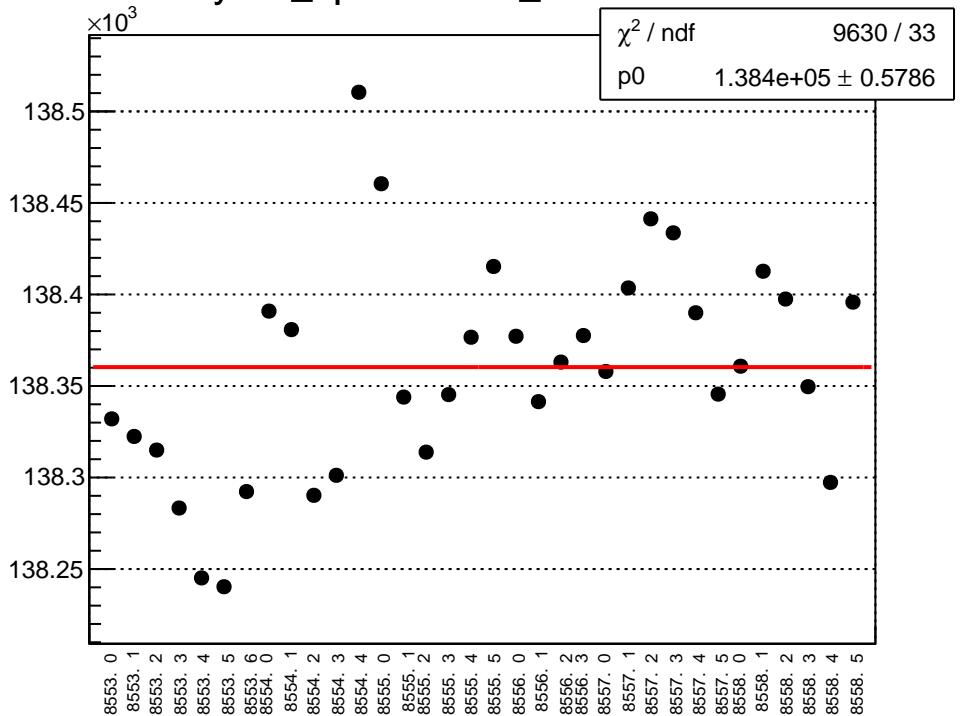
yield_bpm0r05WS_mean vs run



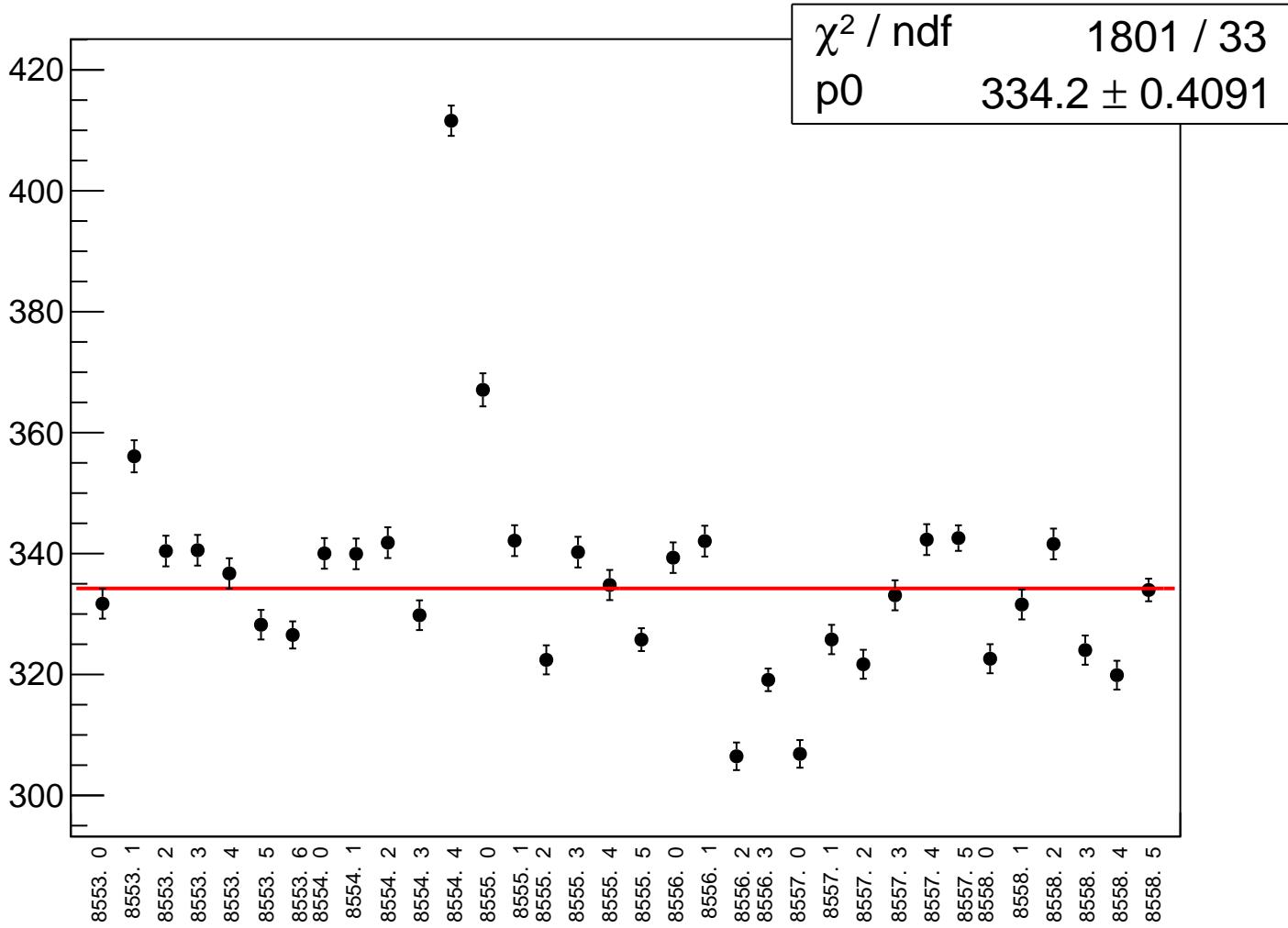
yield_bpm0r05WS_rms vs run



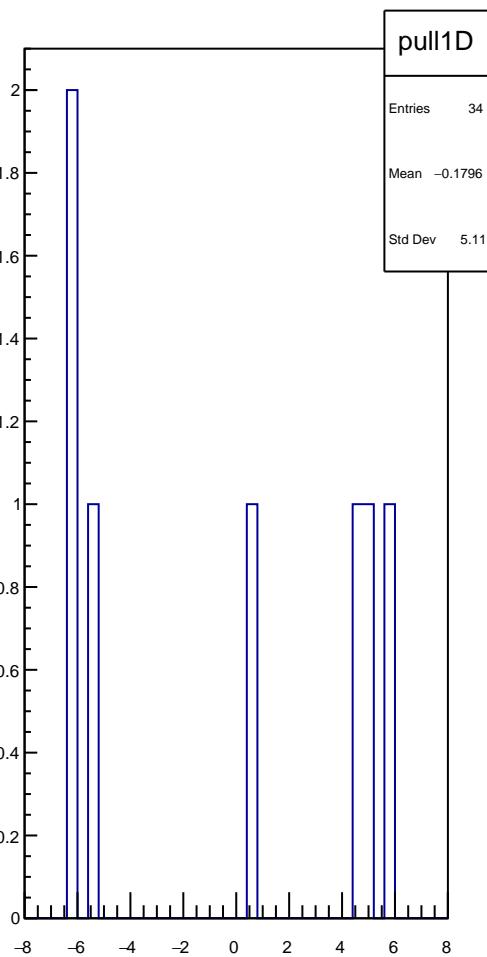
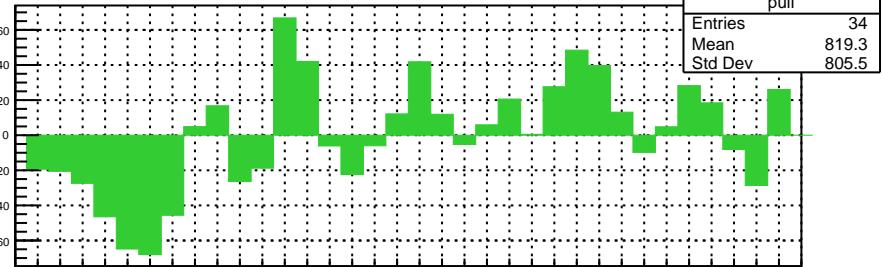
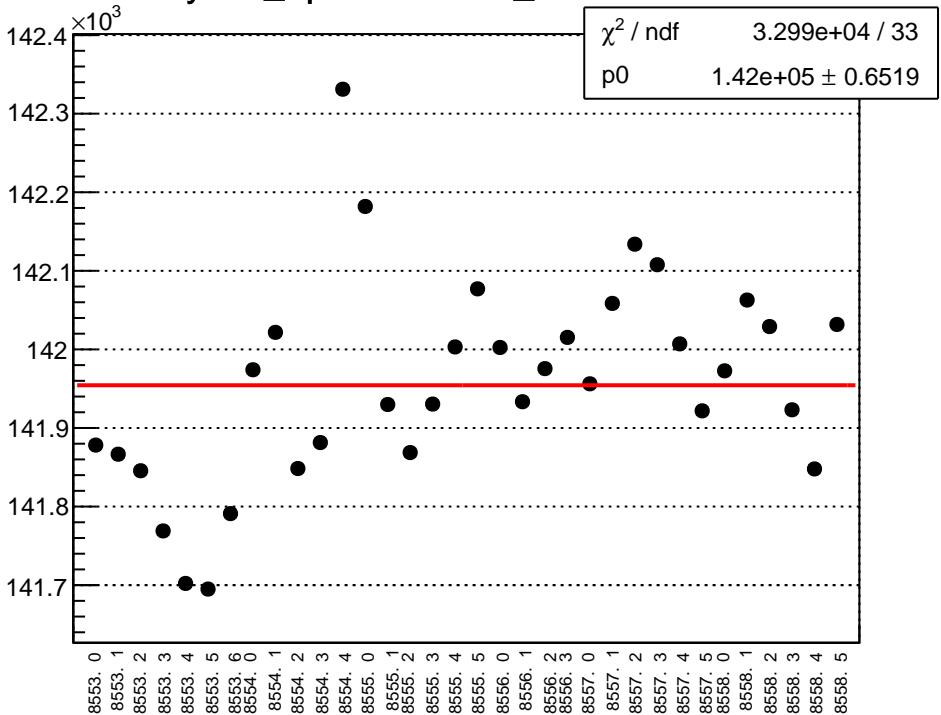
yield_bpm0i02WS_mean vs run



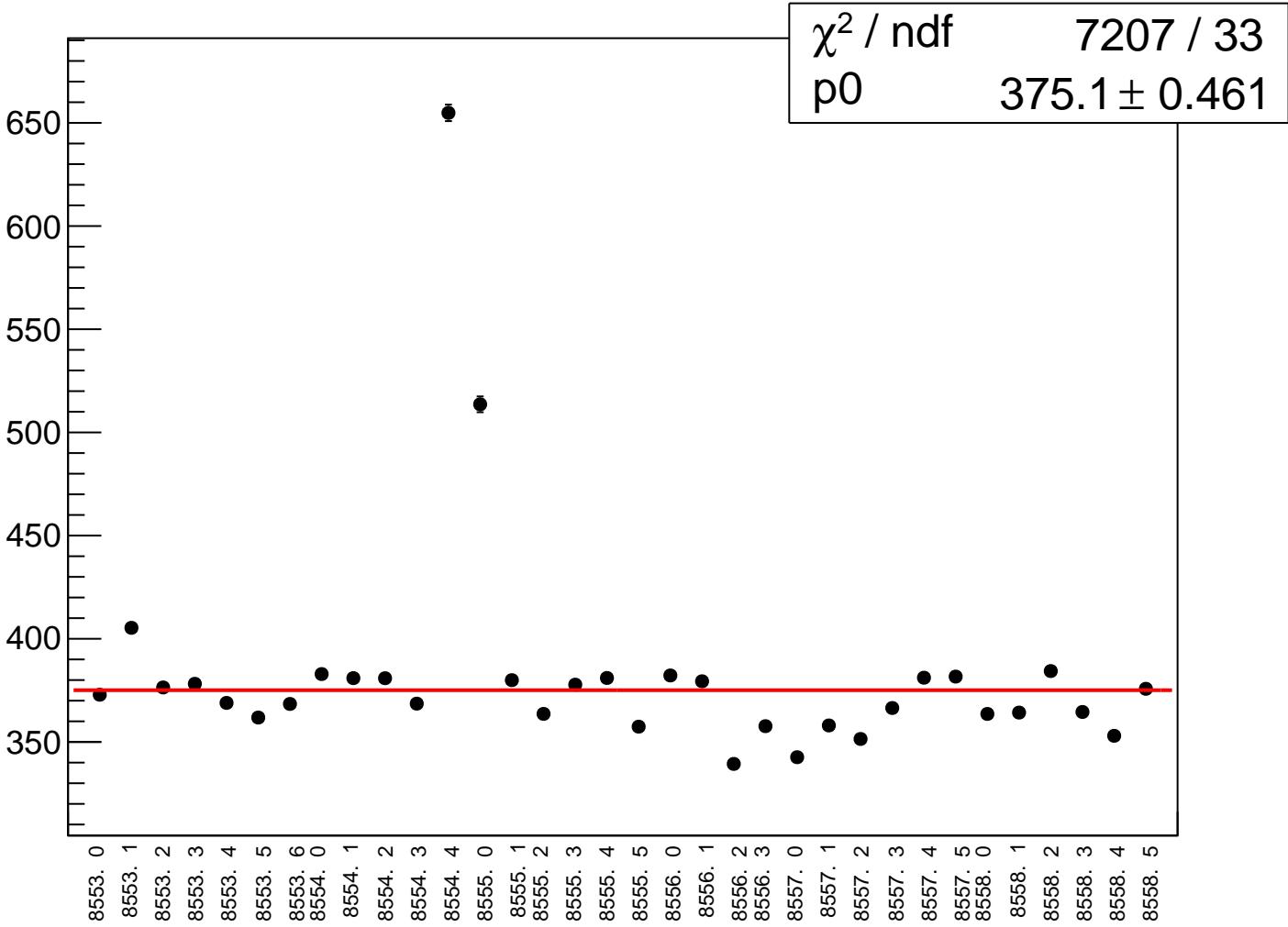
yield_bpm0i02WS_rms vs run



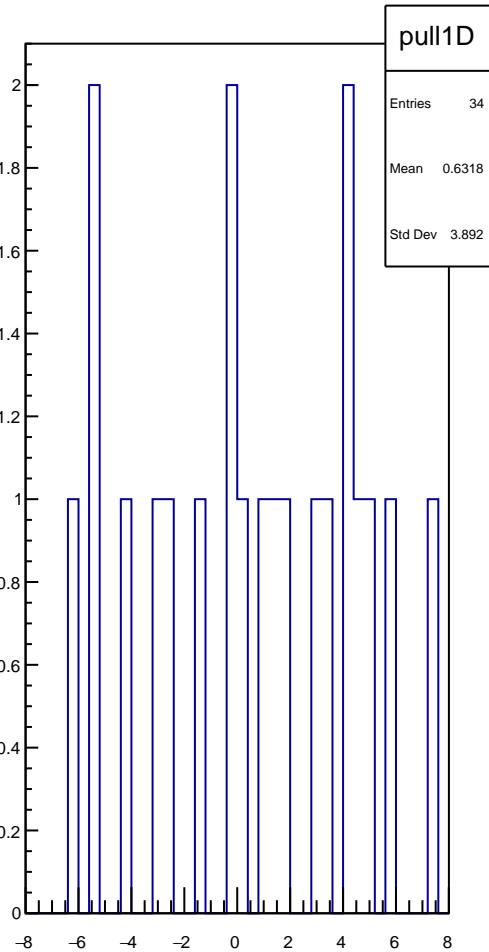
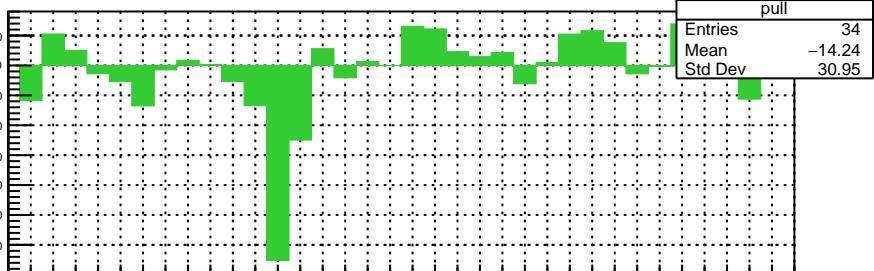
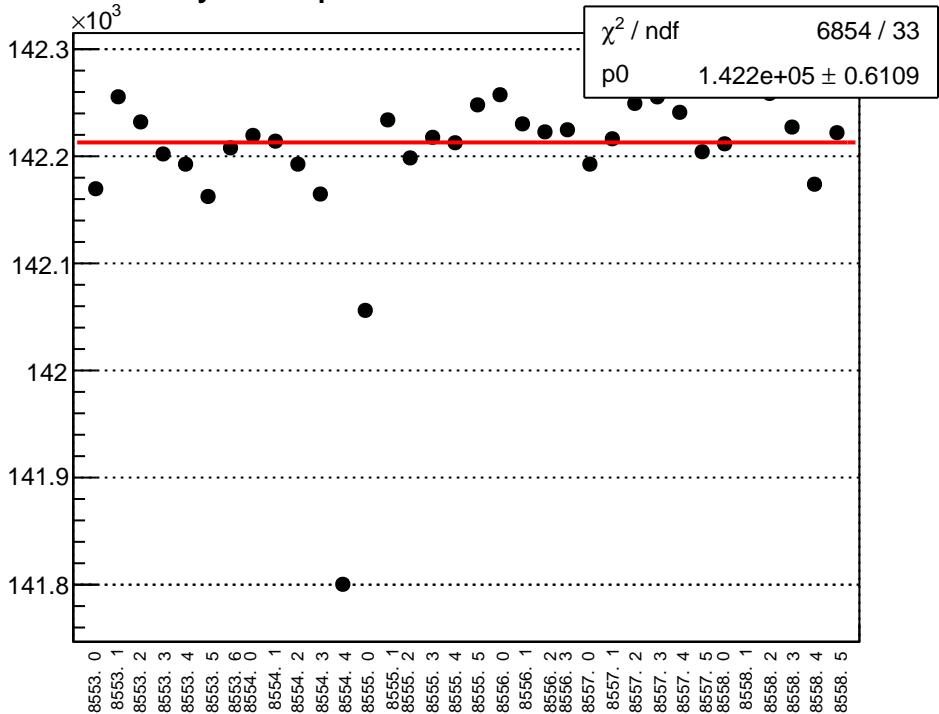
yield_bpm0i02aWS_mean vs run



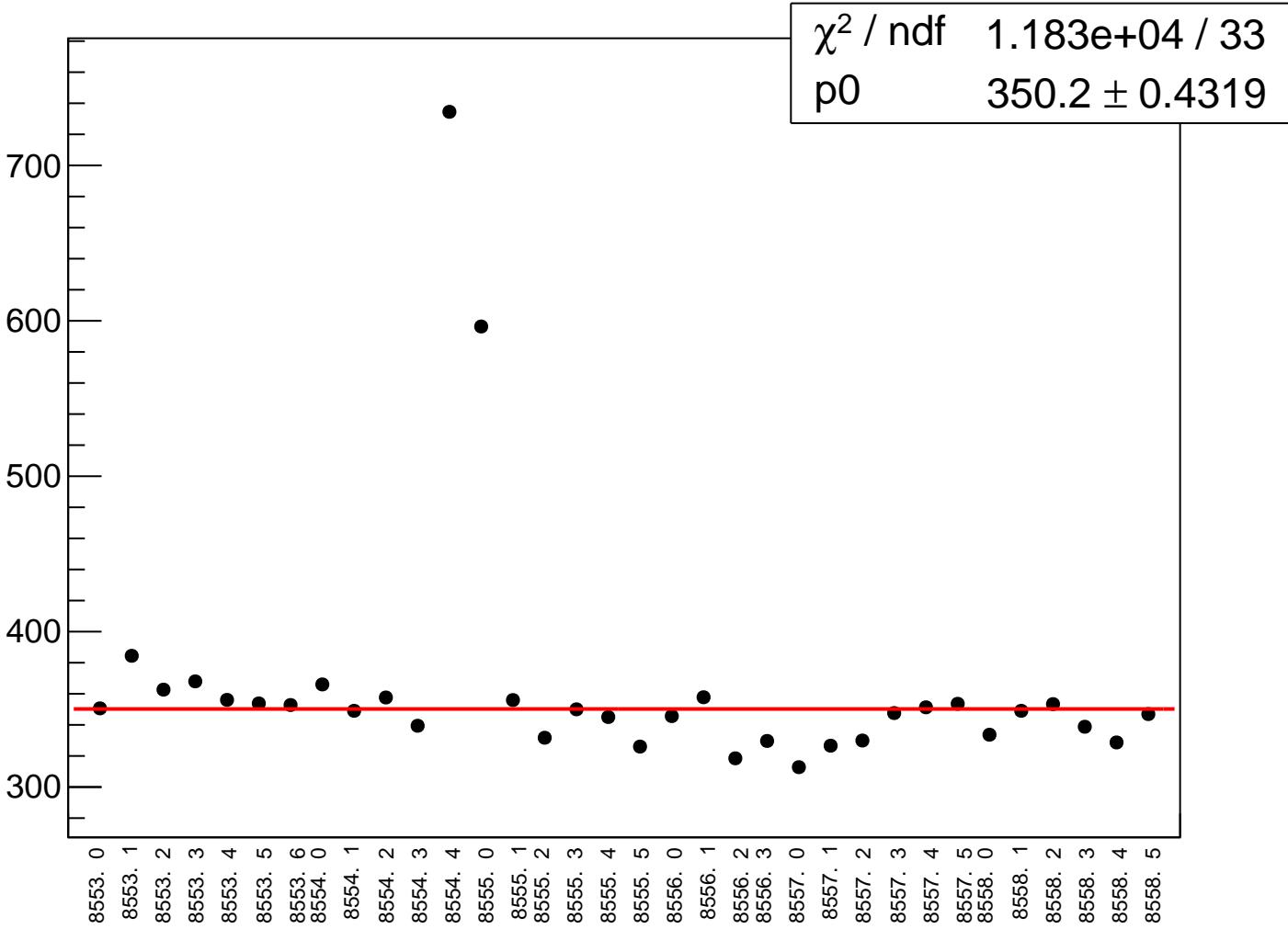
yield_bpm0i02aWS_rms vs run



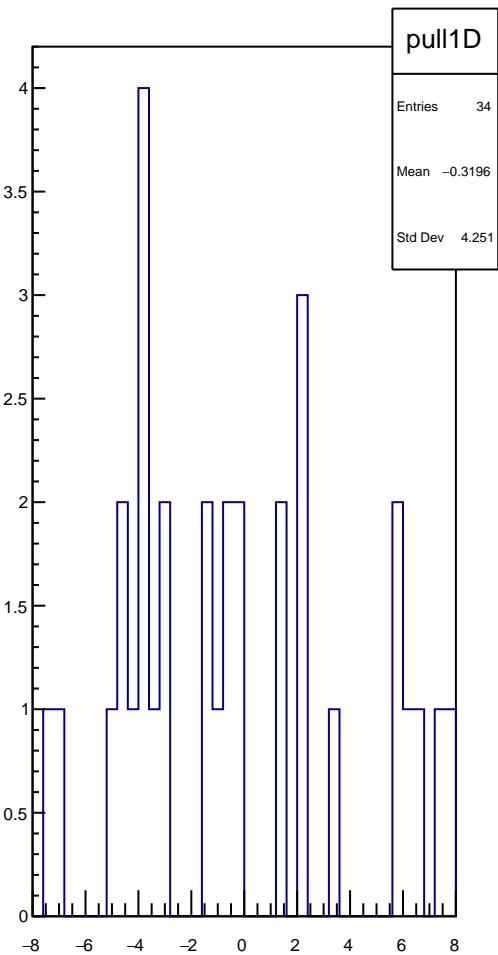
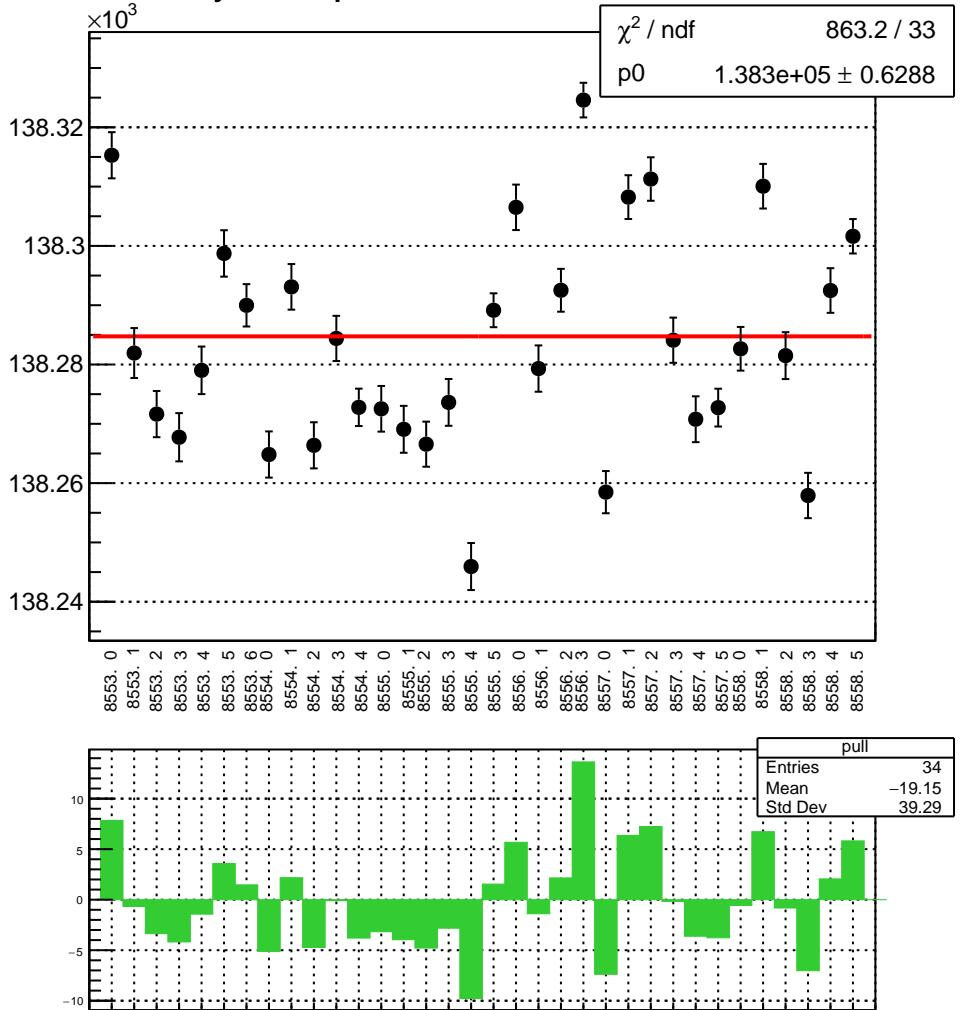
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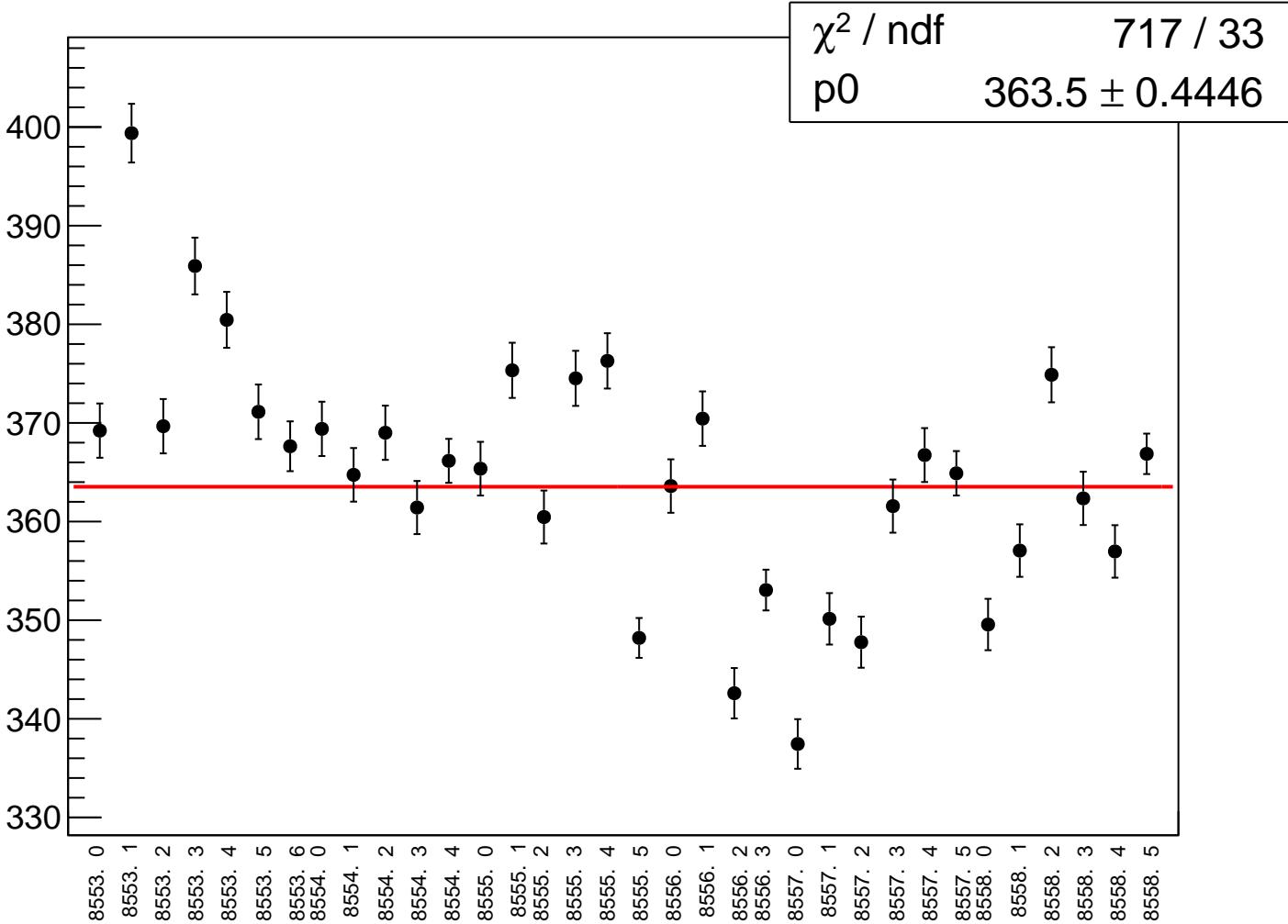
yield_bpm0i05WS_rms vs run



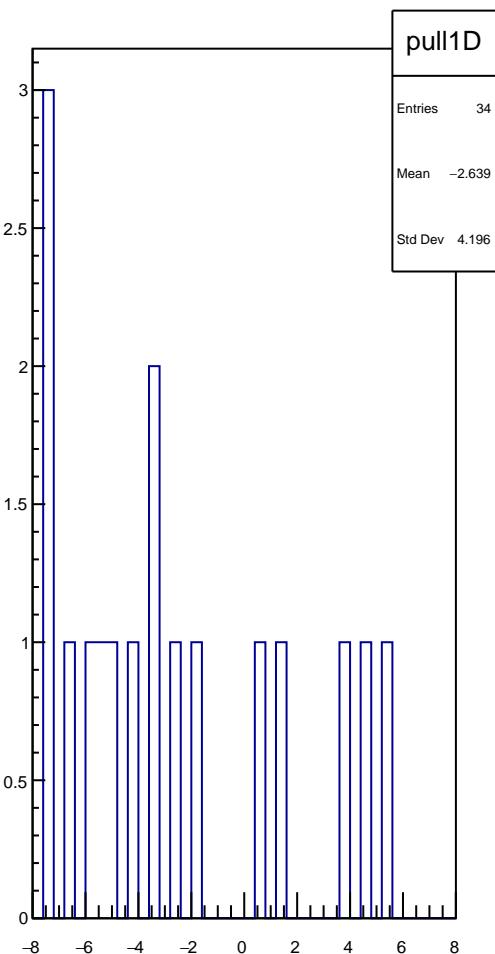
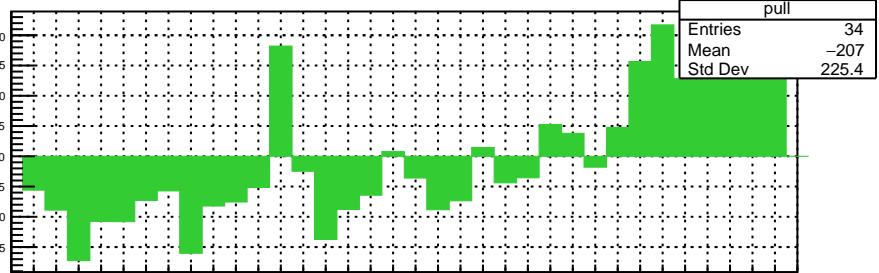
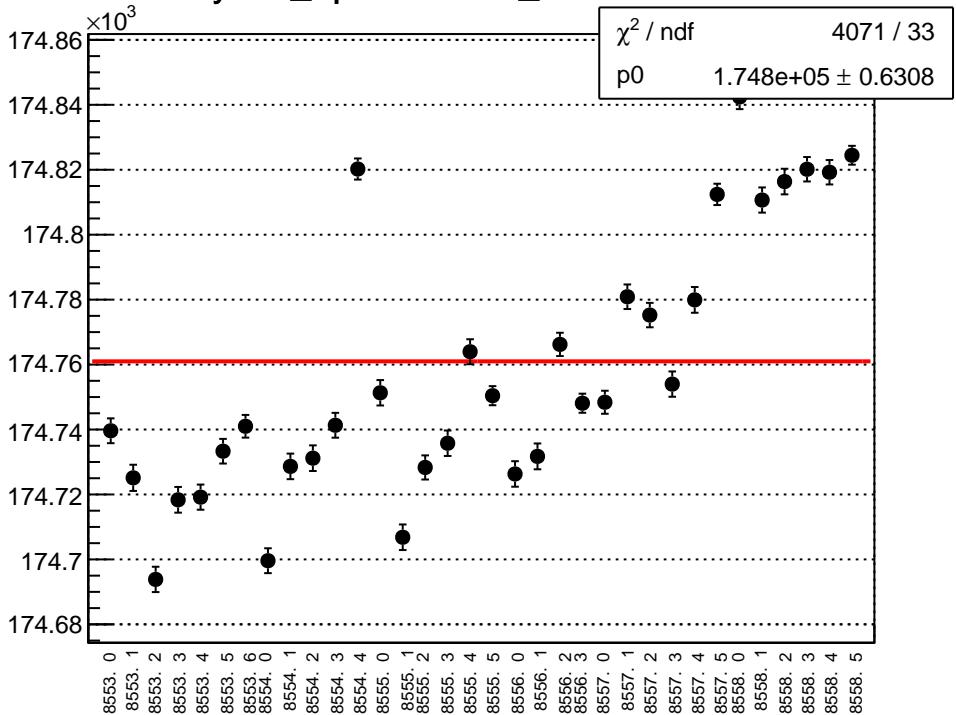
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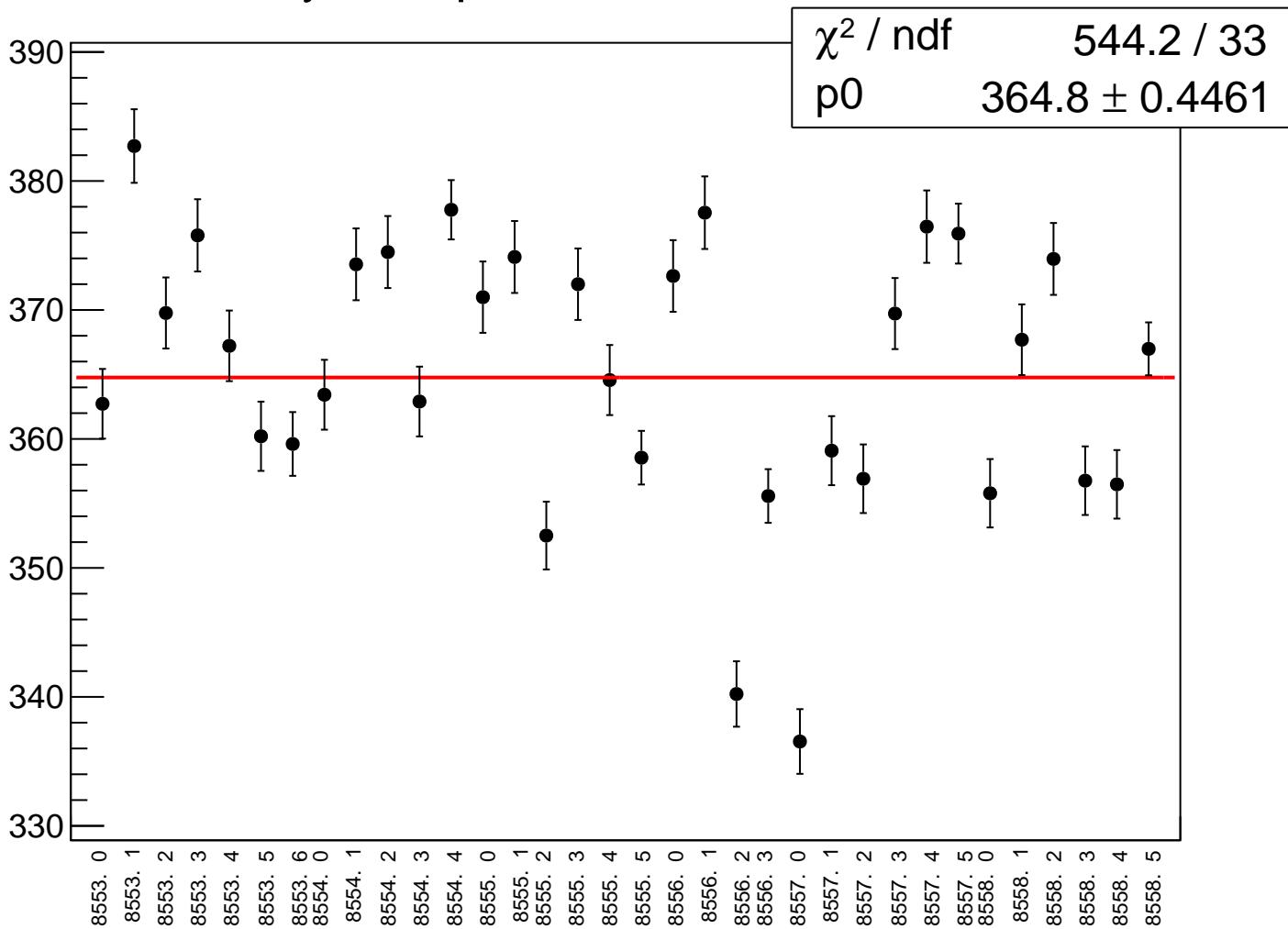
yield_bpm0i07WS_rms vs run



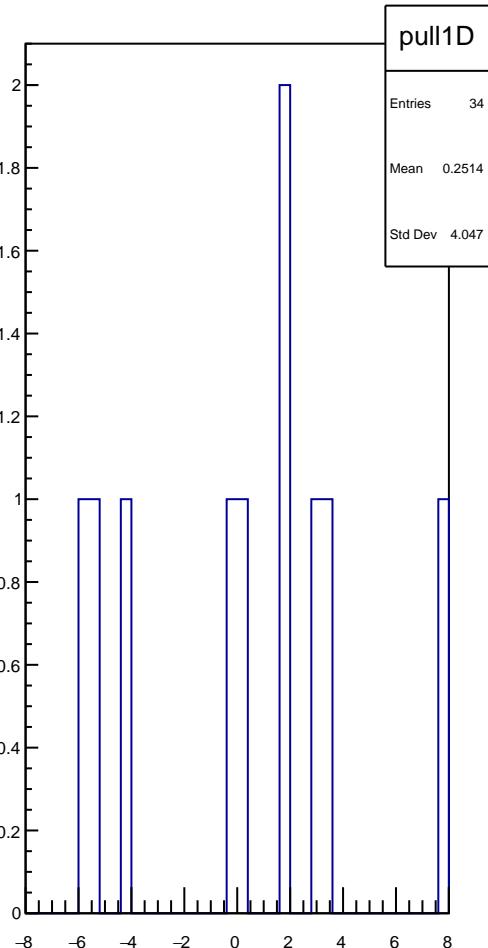
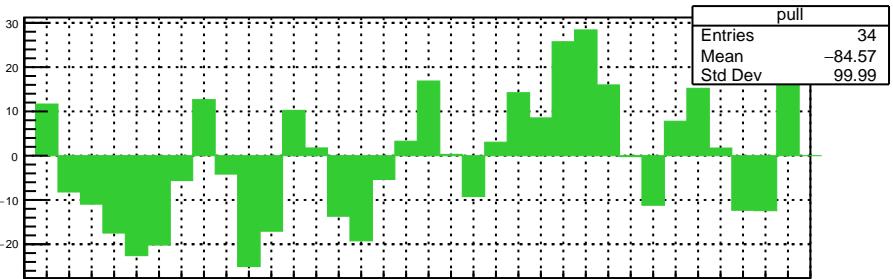
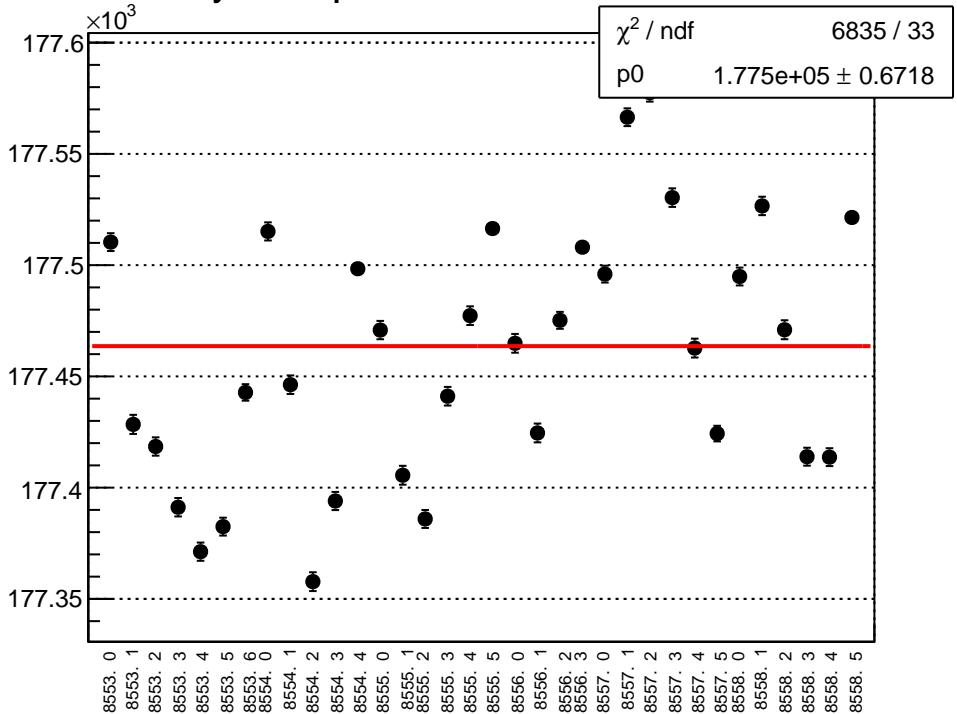
yield_bpm1i02WS_mean vs run



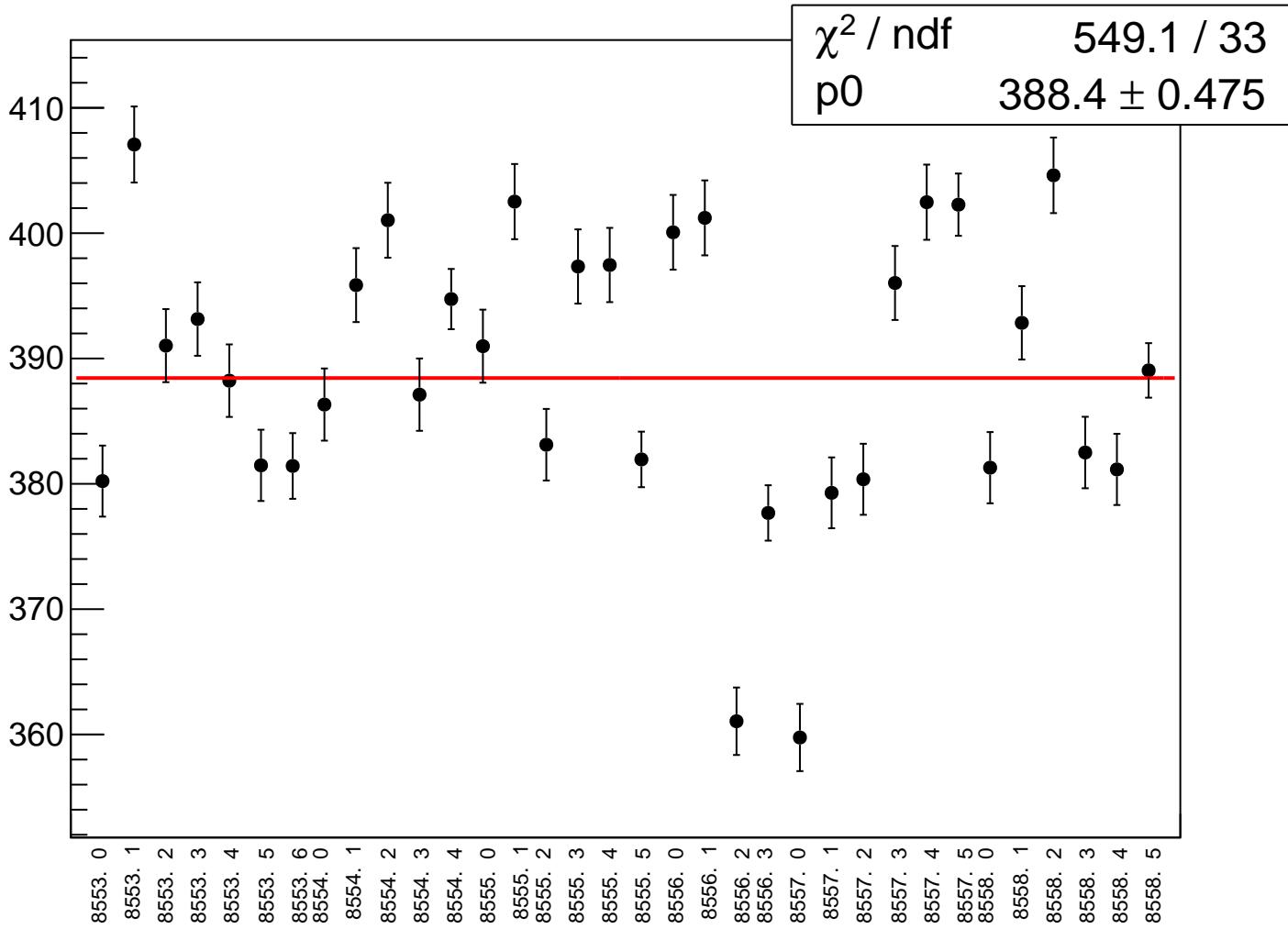
yield_bpm1i02WS_rms vs run



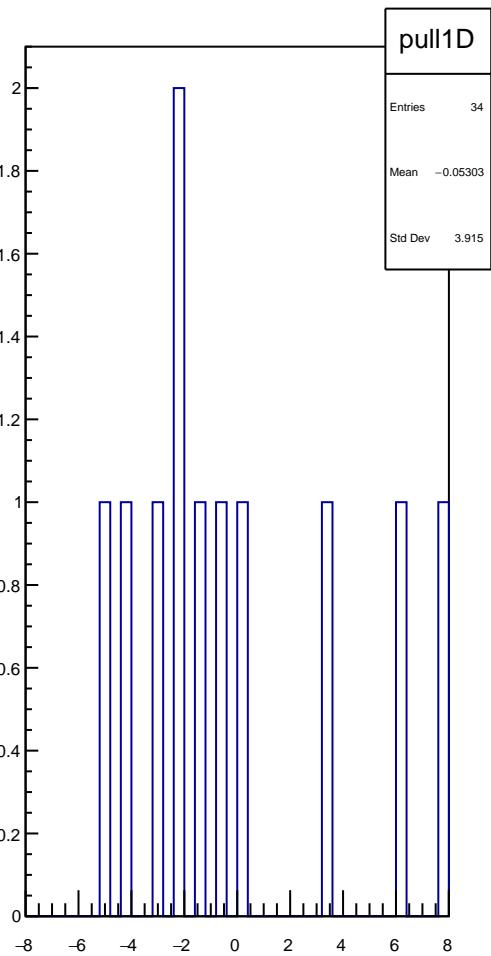
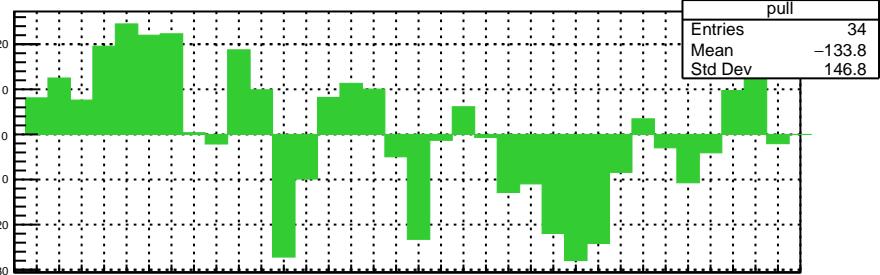
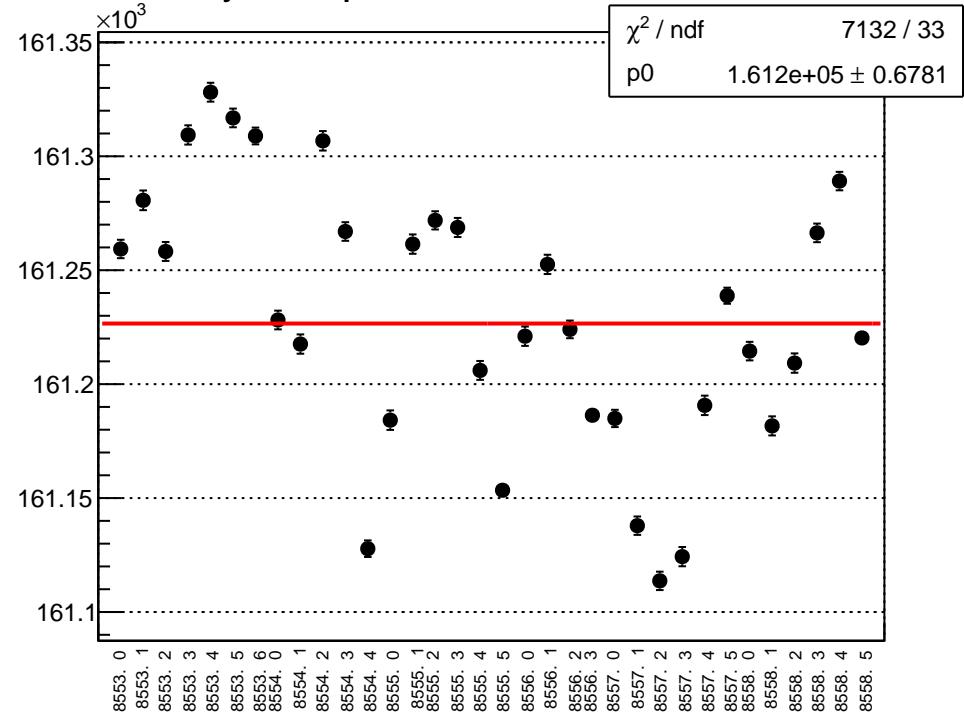
yield_bpm1i04WS_mean vs run



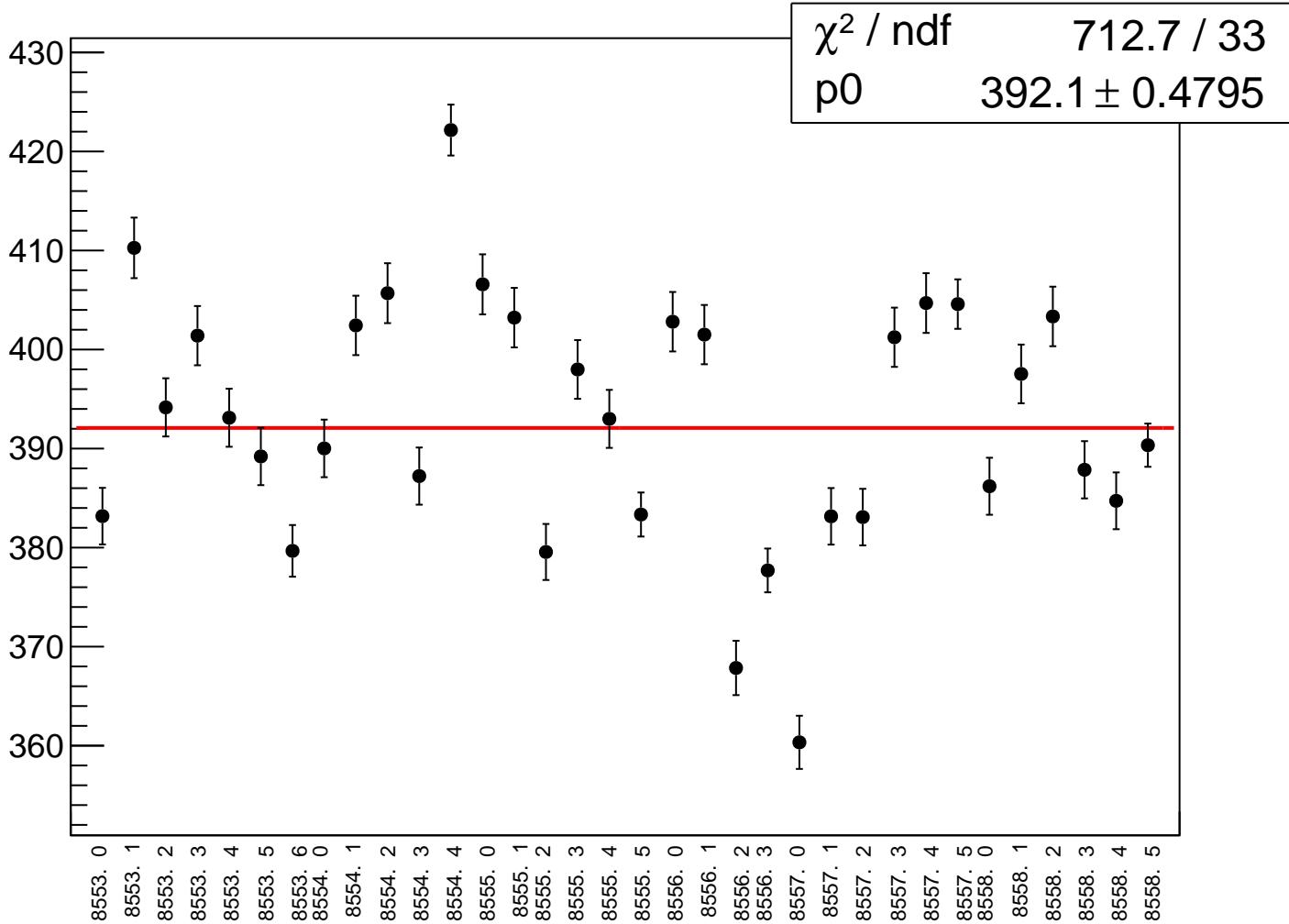
yield_bpm1i04WS_rms vs run



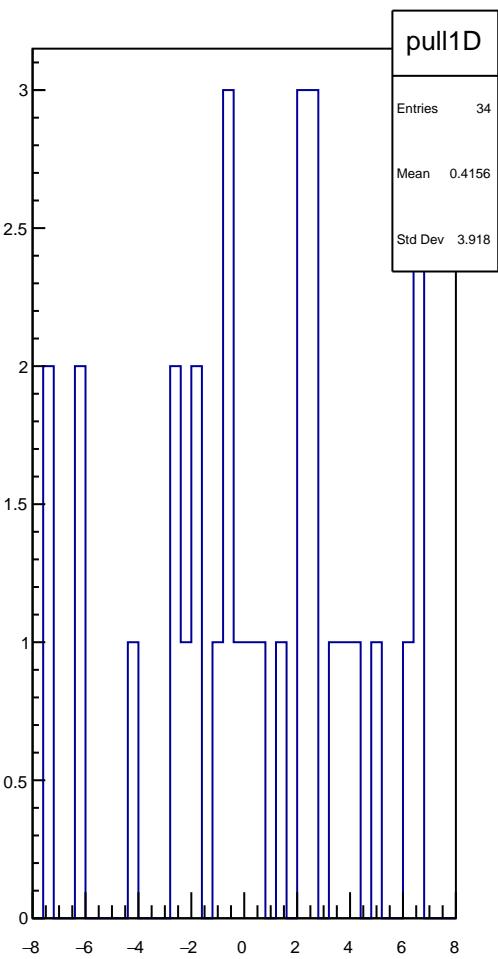
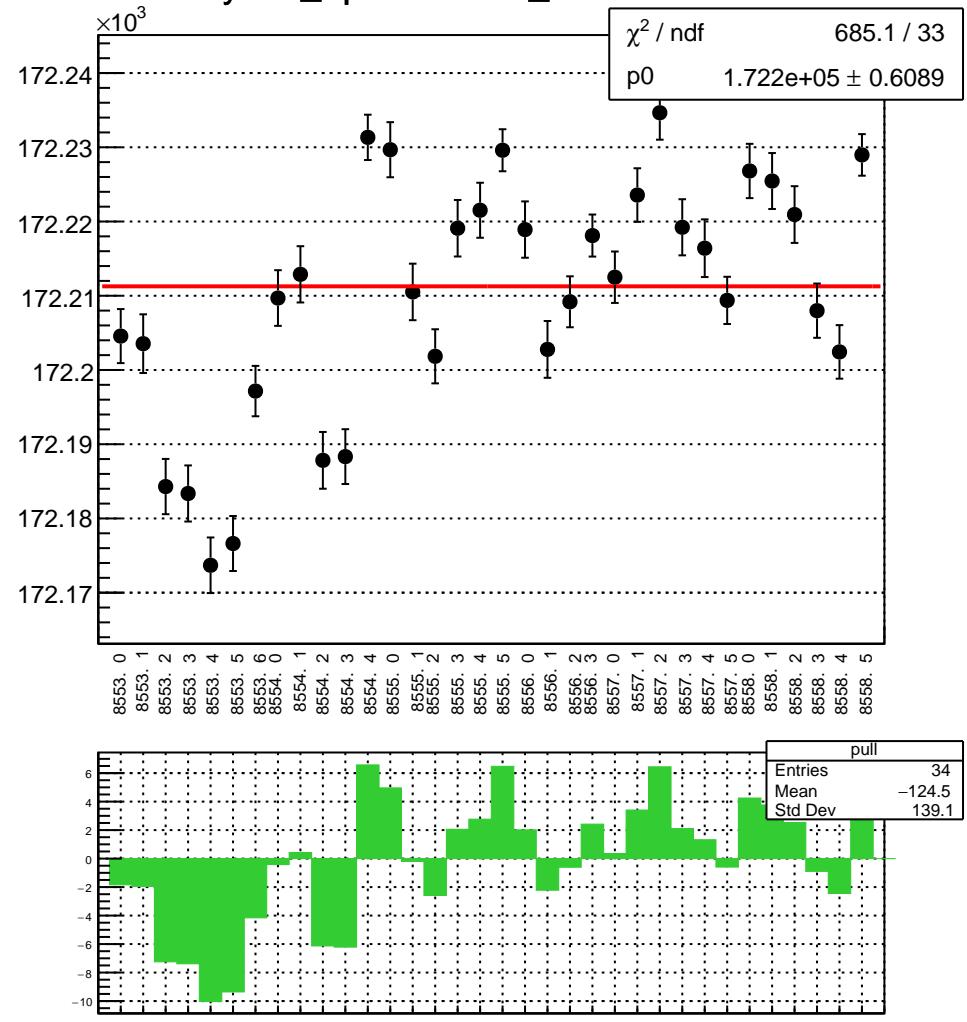
yield_bpm1i06WS_mean vs run



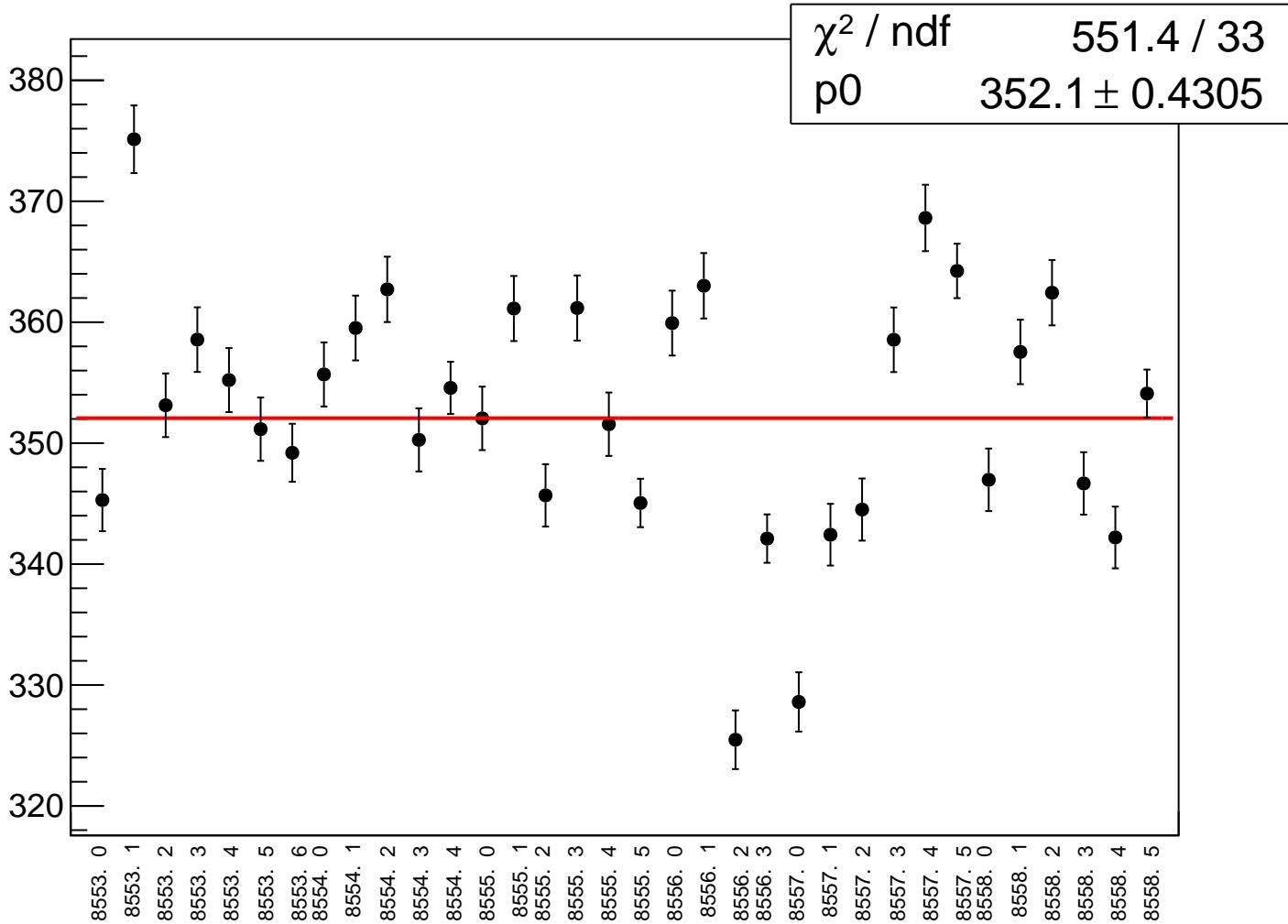
yield_bpm1i06WS_rms vs run



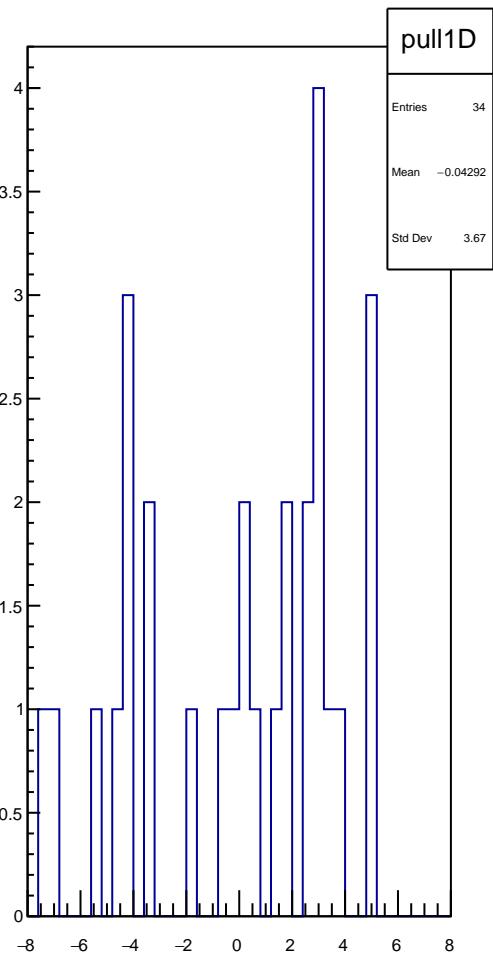
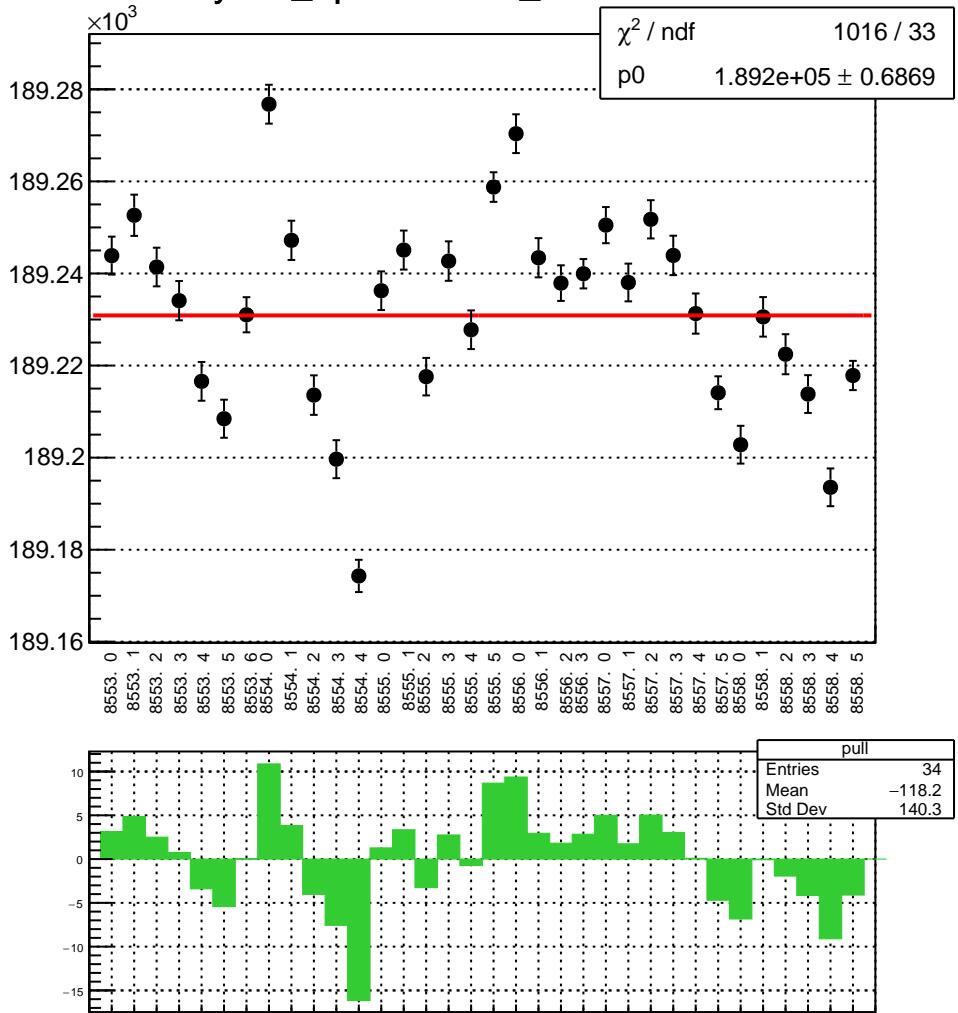
yield_bpm2i01WS_mean vs run



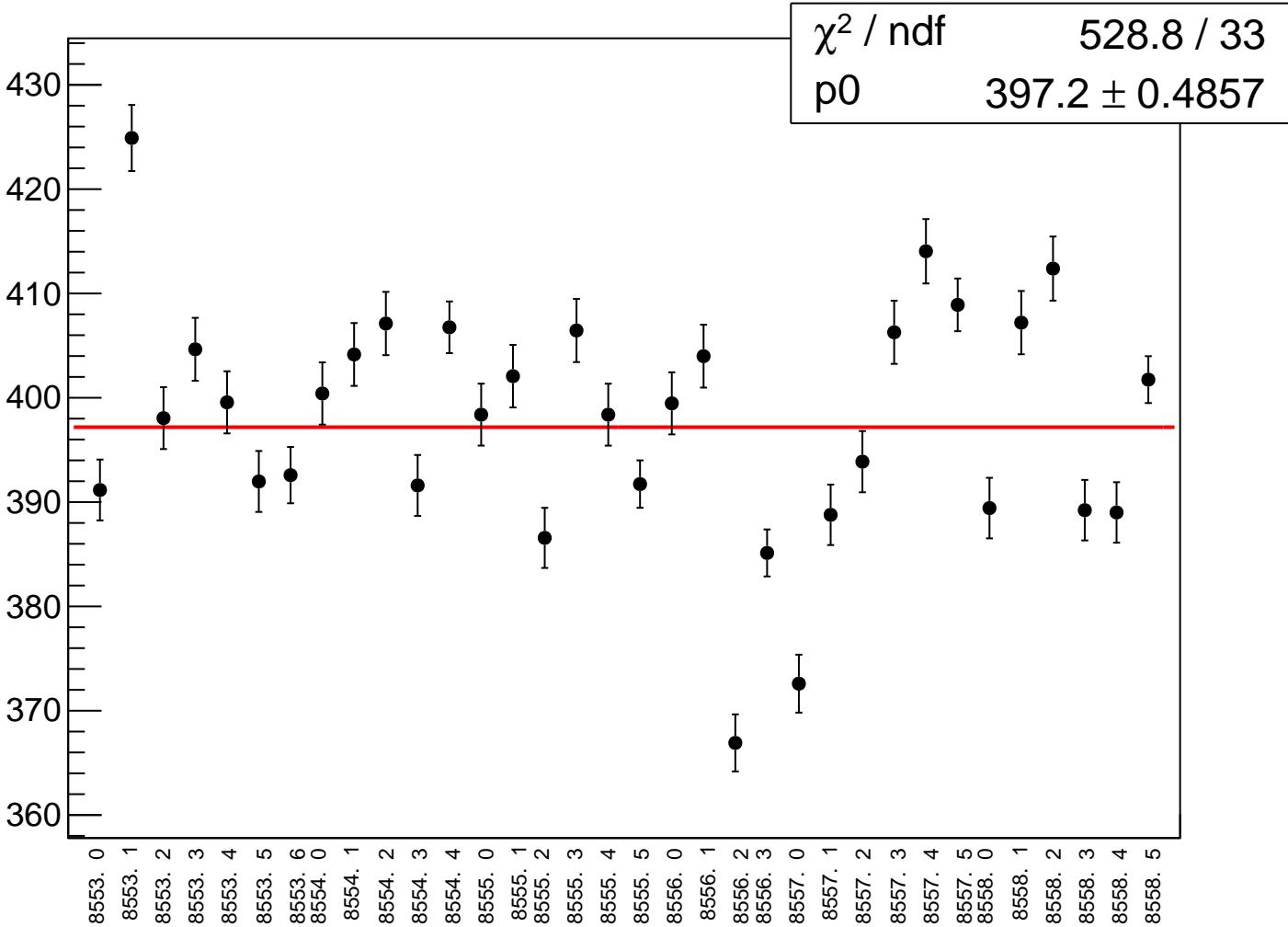
yield_bpm2i01WS_rms vs run



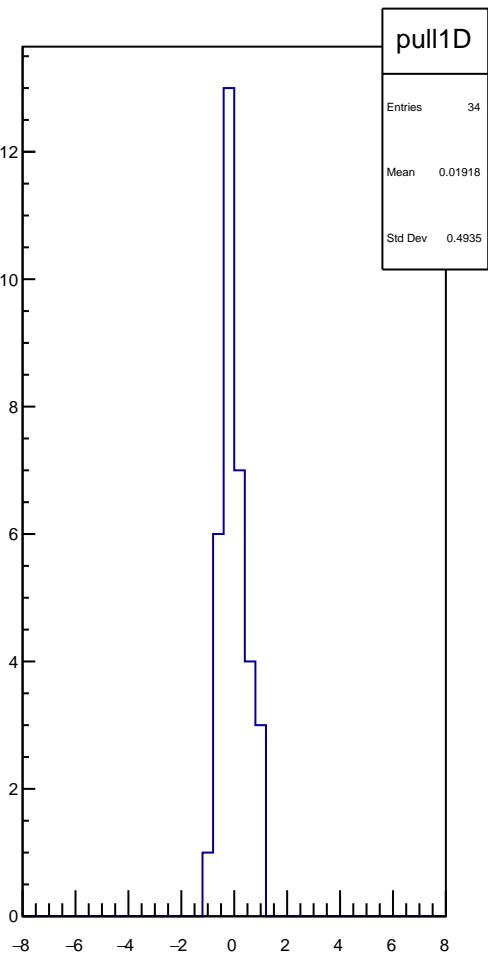
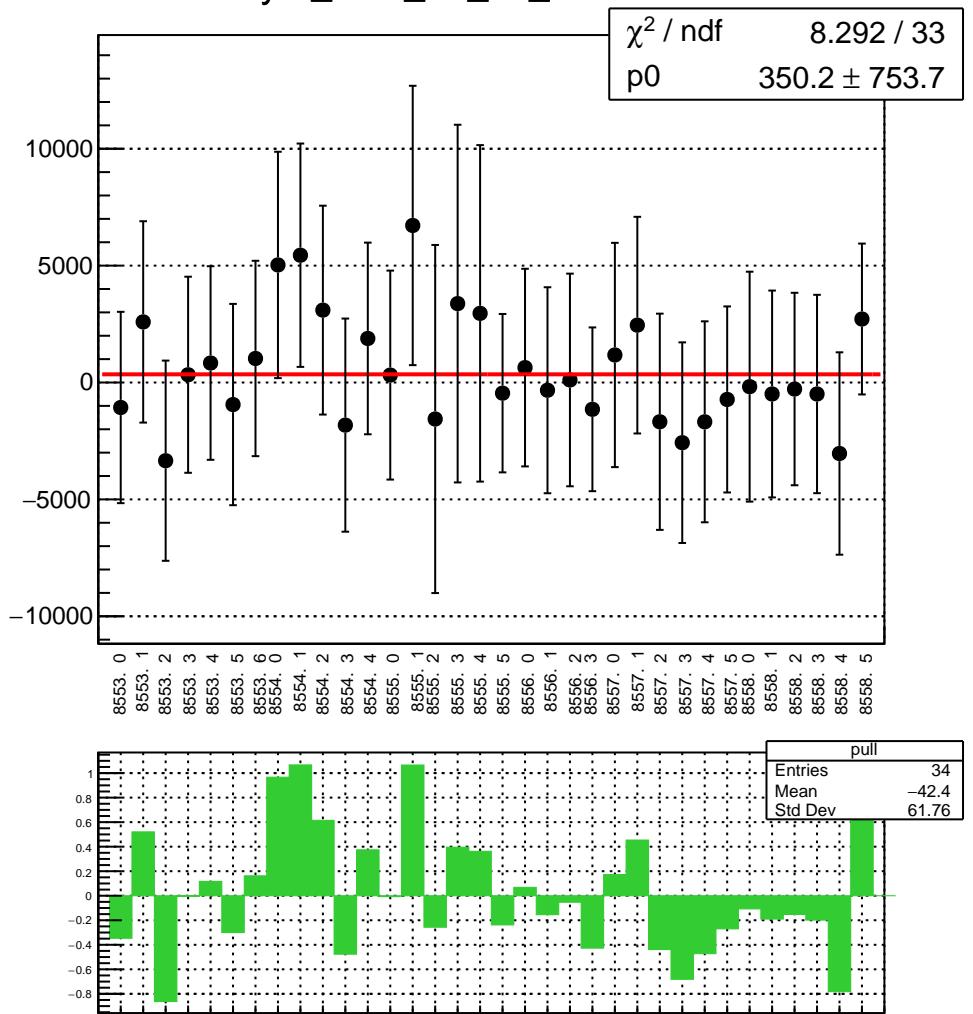
yield_bpm2i02WS_mean vs run



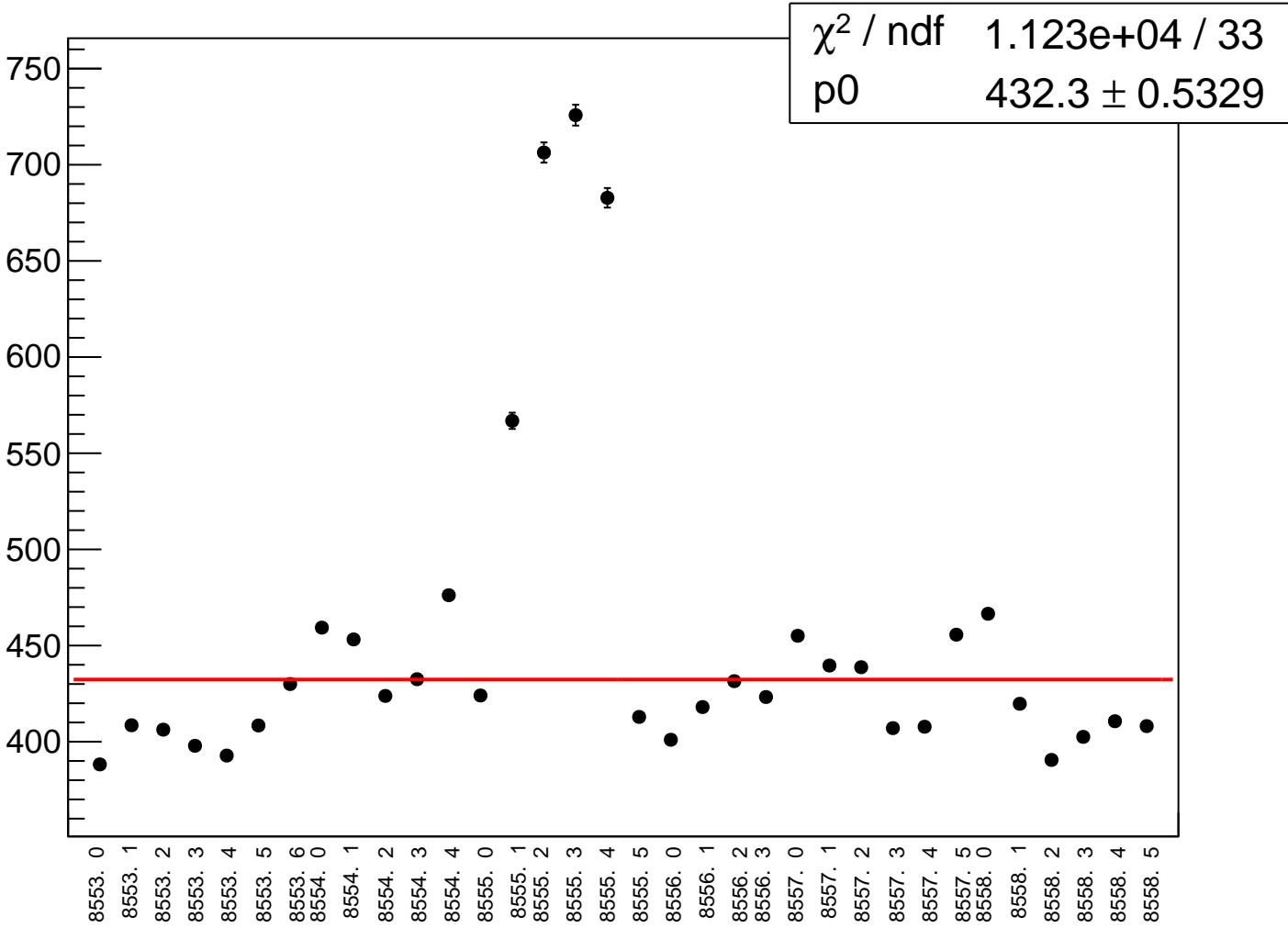
yield_bpm2i02WS_rms vs run



asym_bcm_an_ds_mean vs run

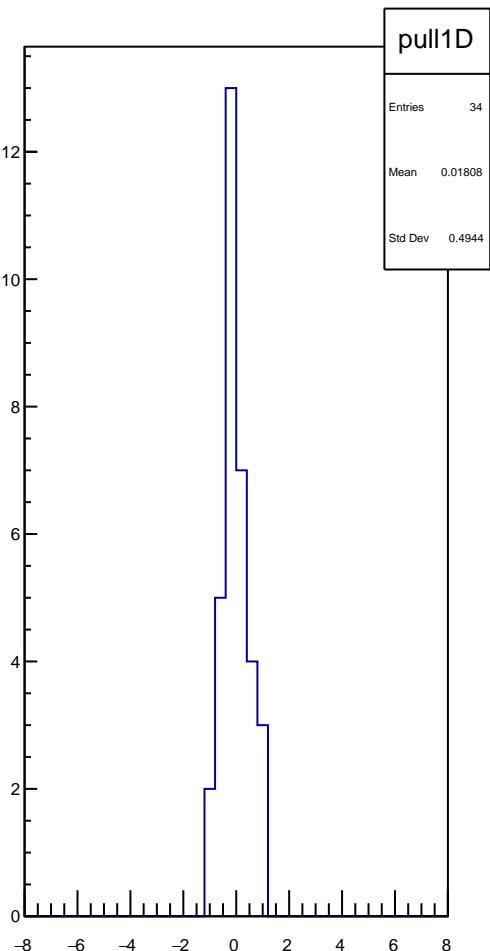
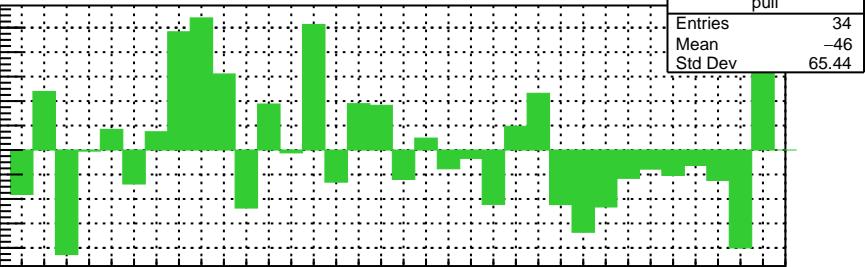
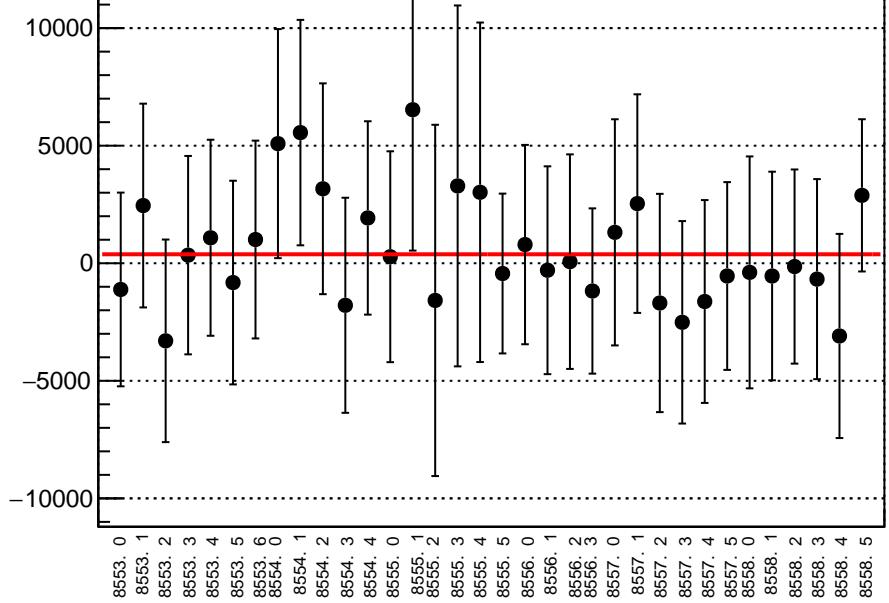


asym_bcm_an_ds_rms vs run

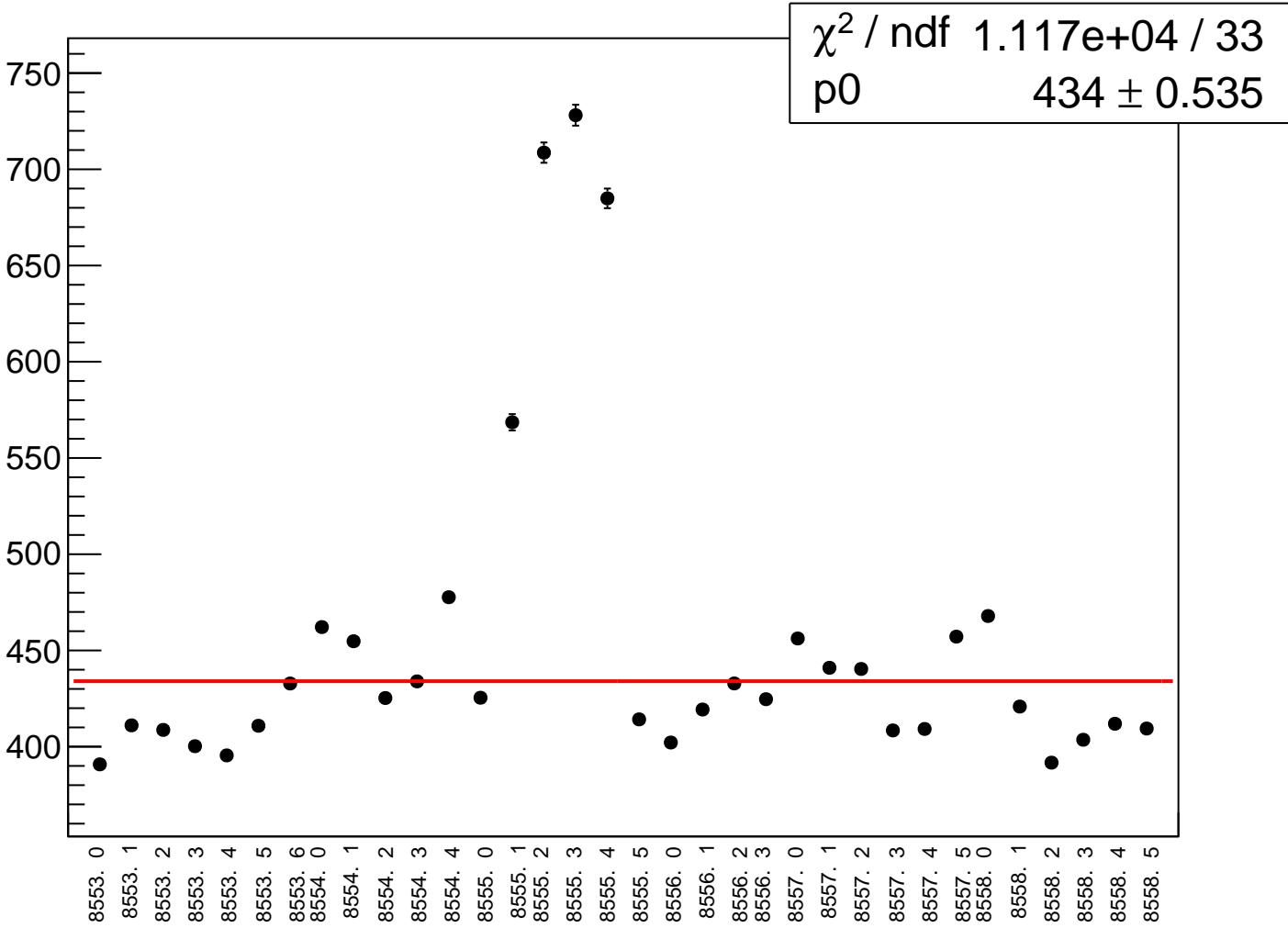


asym_bcm_an_ds3_mean vs run

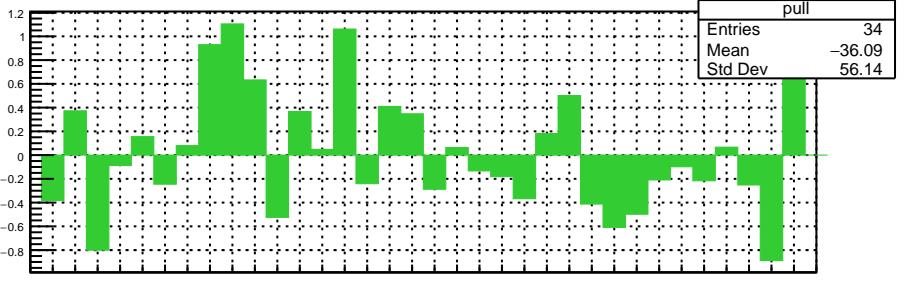
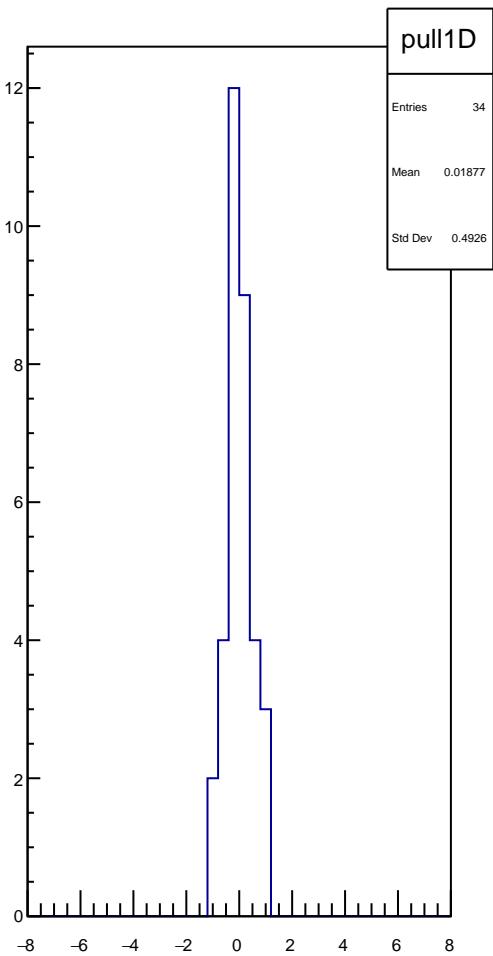
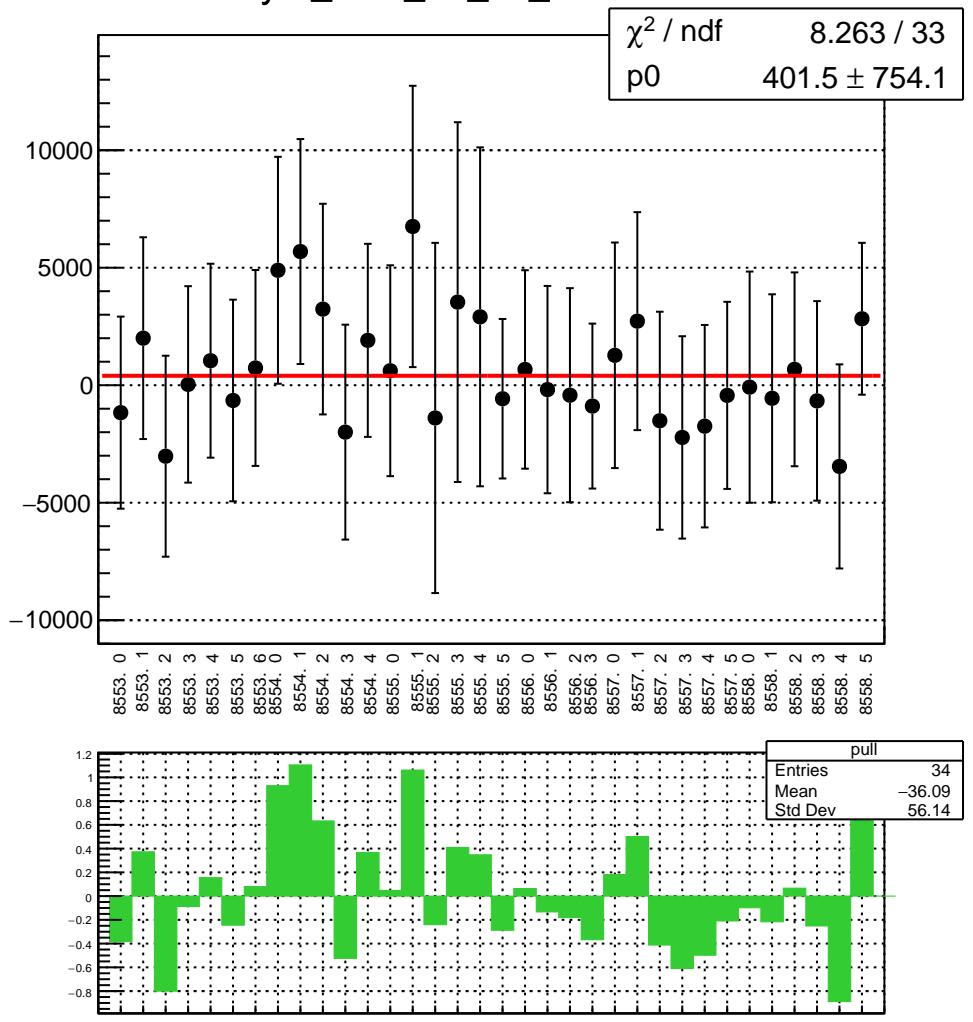
χ^2 / ndf 8.321 / 33
 $p0$ 381.1 ± 756.6



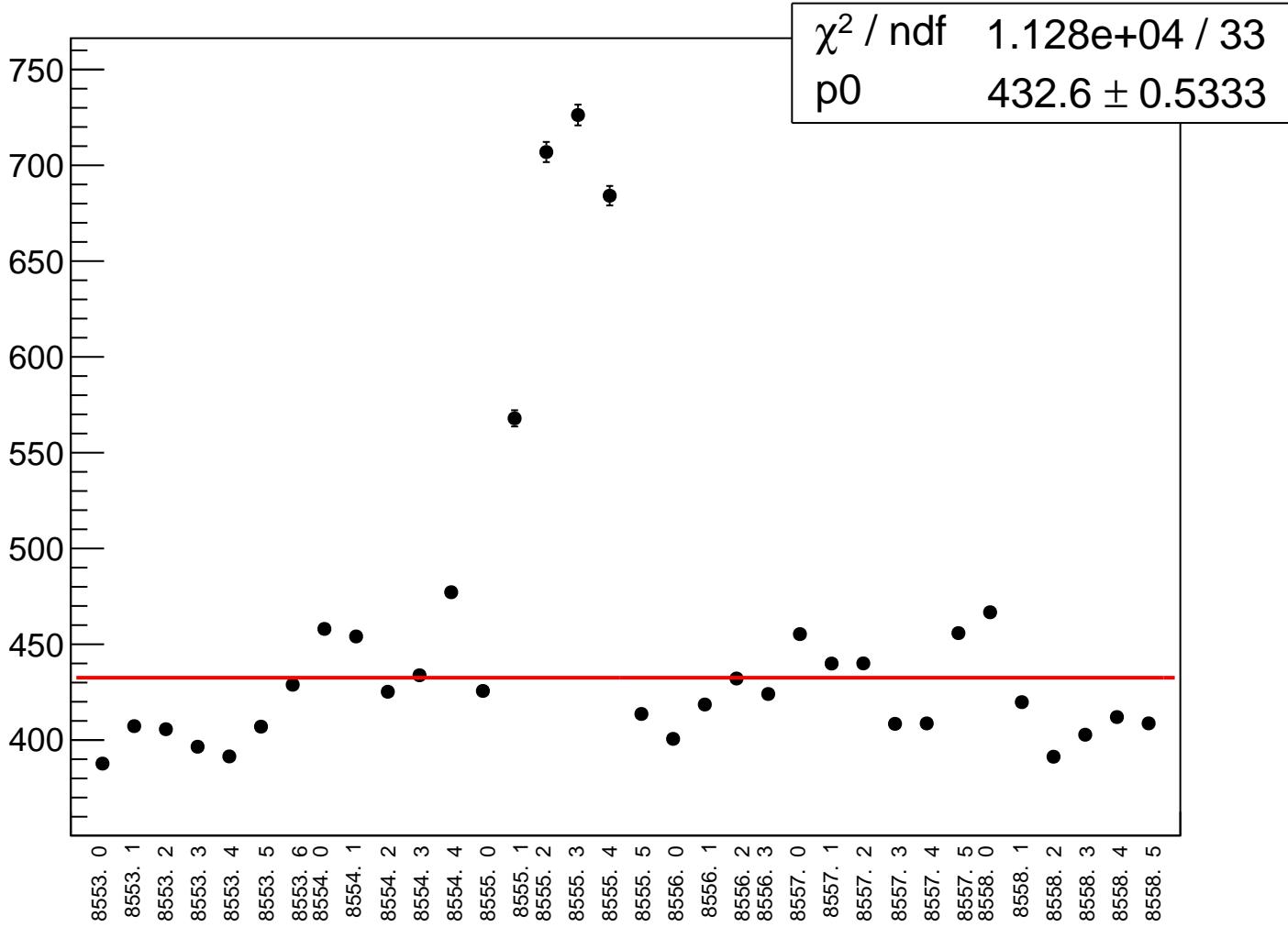
asym_bcm_an_ds3_rms vs run



asym_bcm_an_us_mean vs run

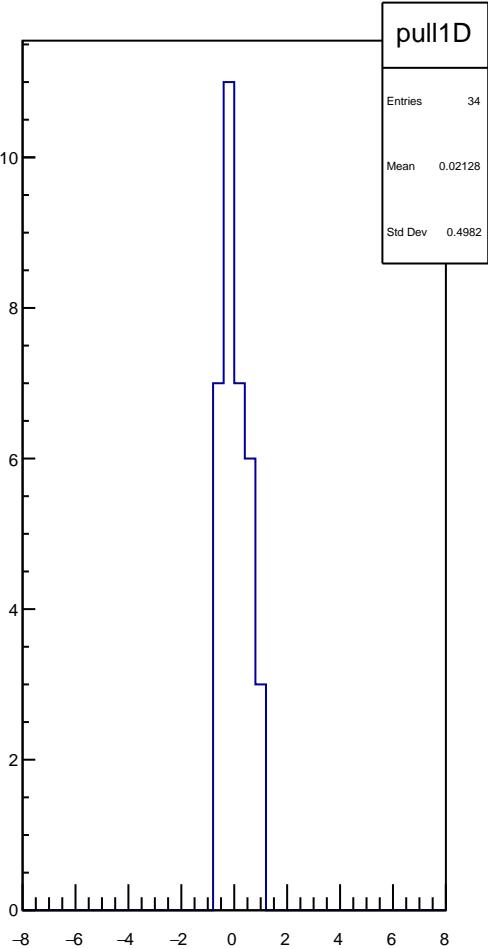
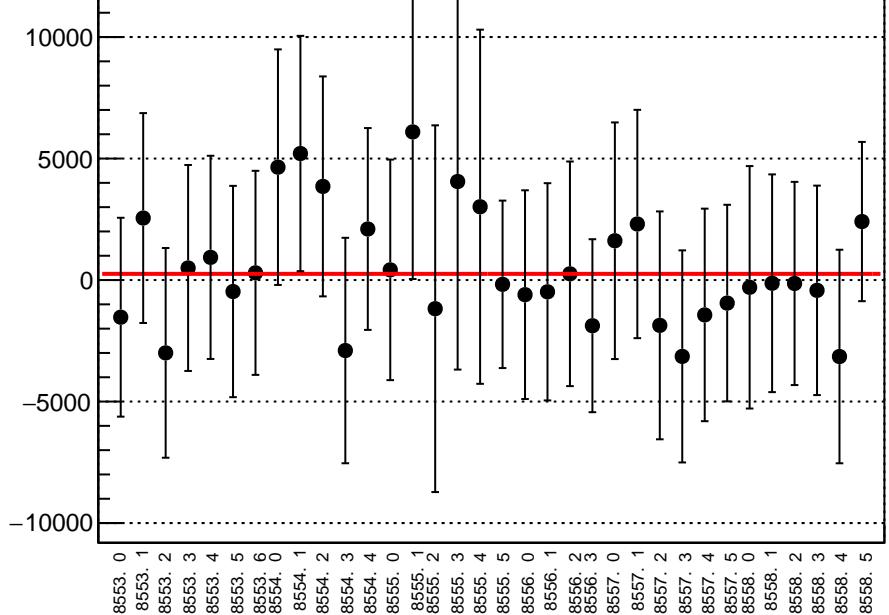


asym_bcm_an_us_rms vs run

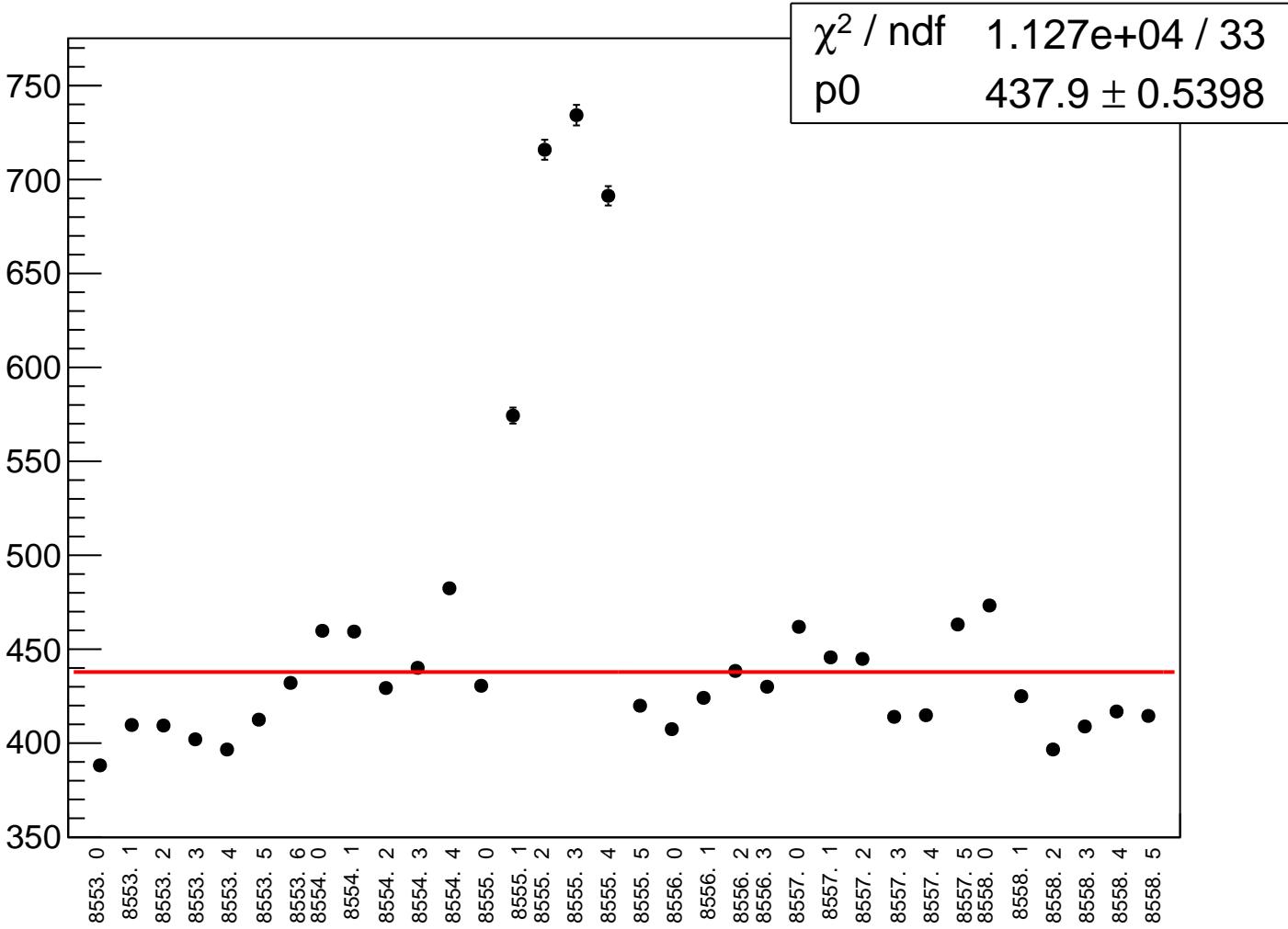


asym_bcm_dg_us_mean vs run

χ^2 / ndf 8.455 / 33
 $p0$ 254.5 ± 763.4

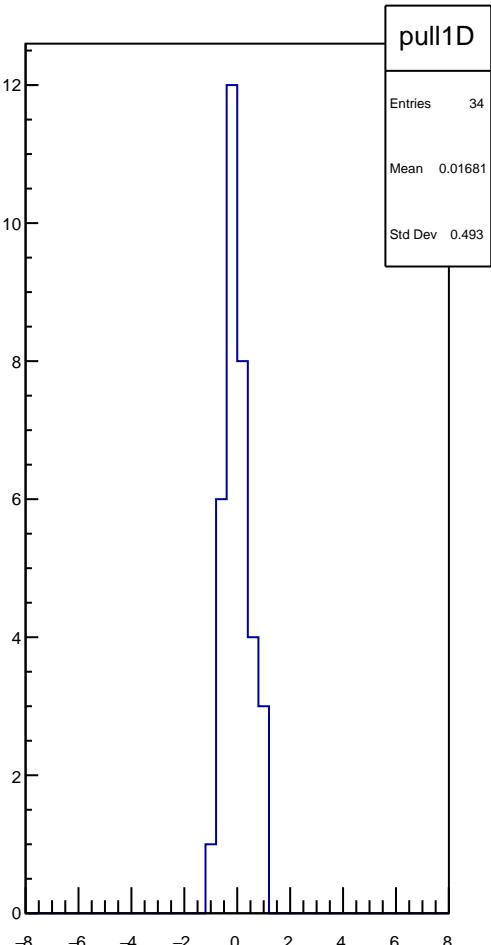
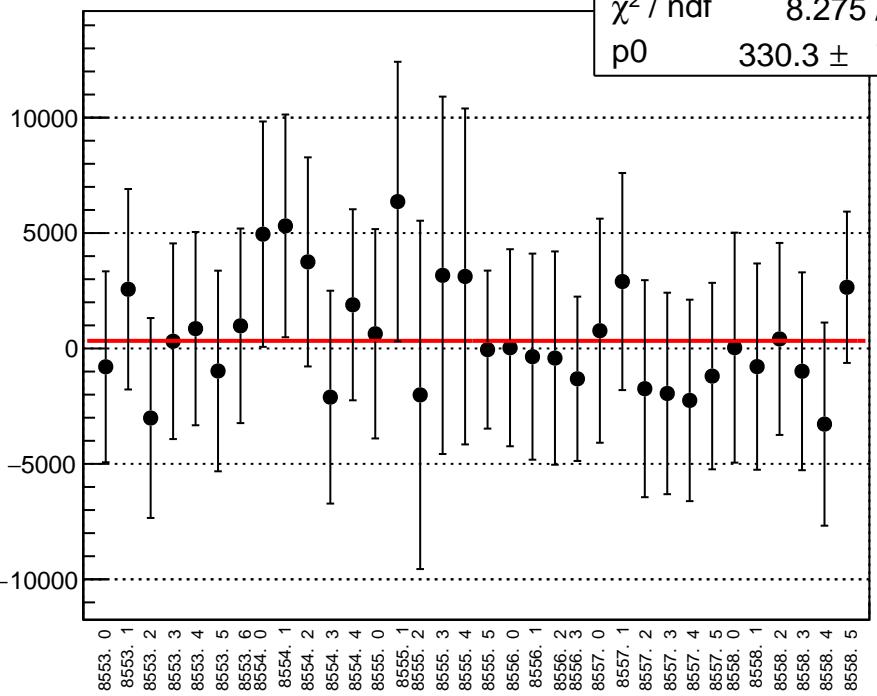


asym_bcm_dg_us_rms vs run

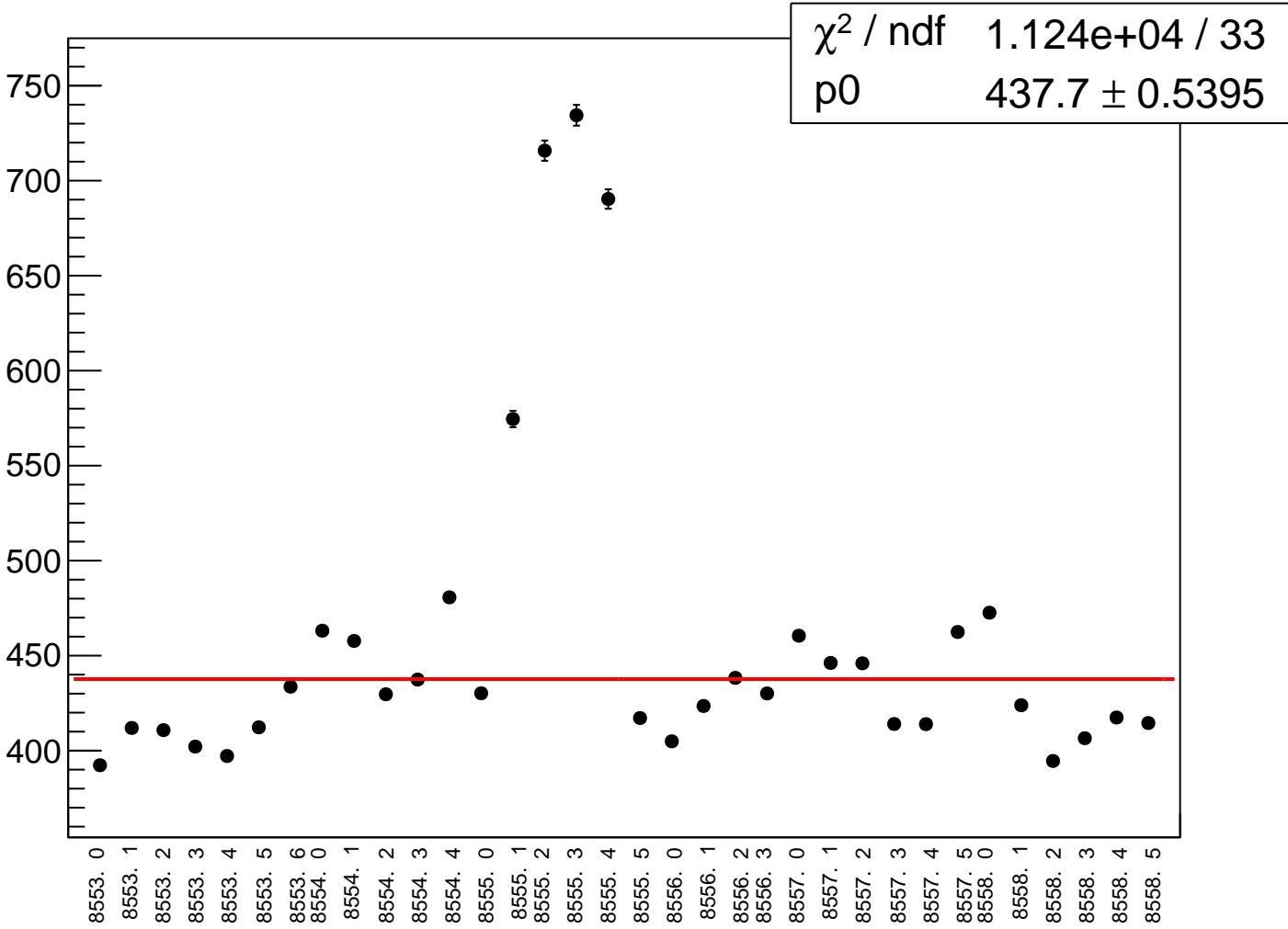


asym_bcm_dg_ds_mean vs run

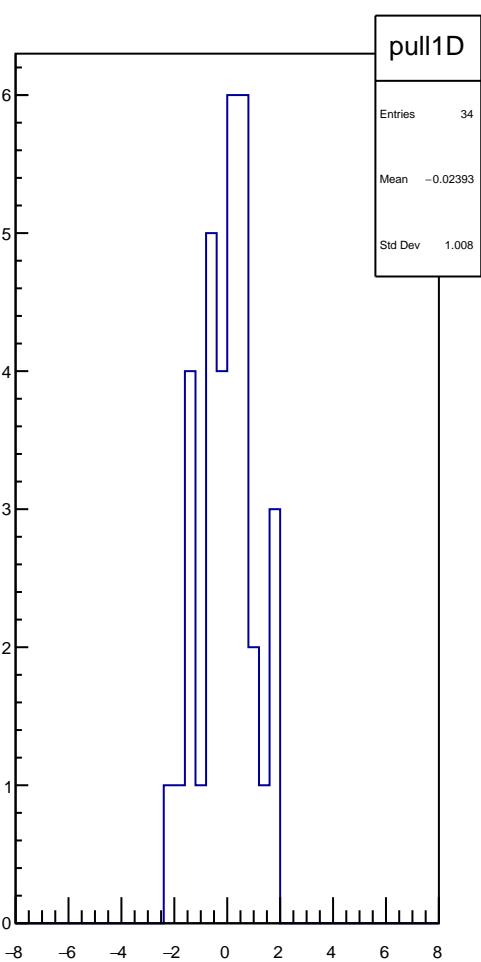
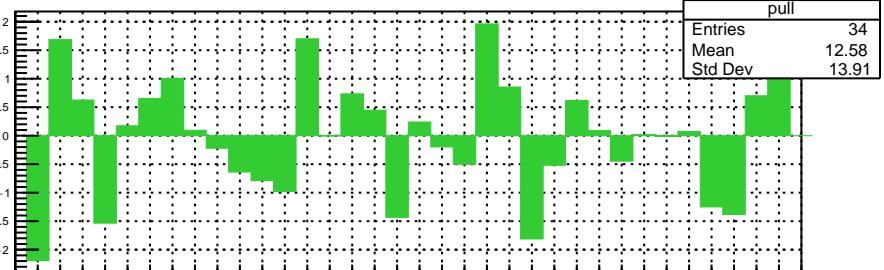
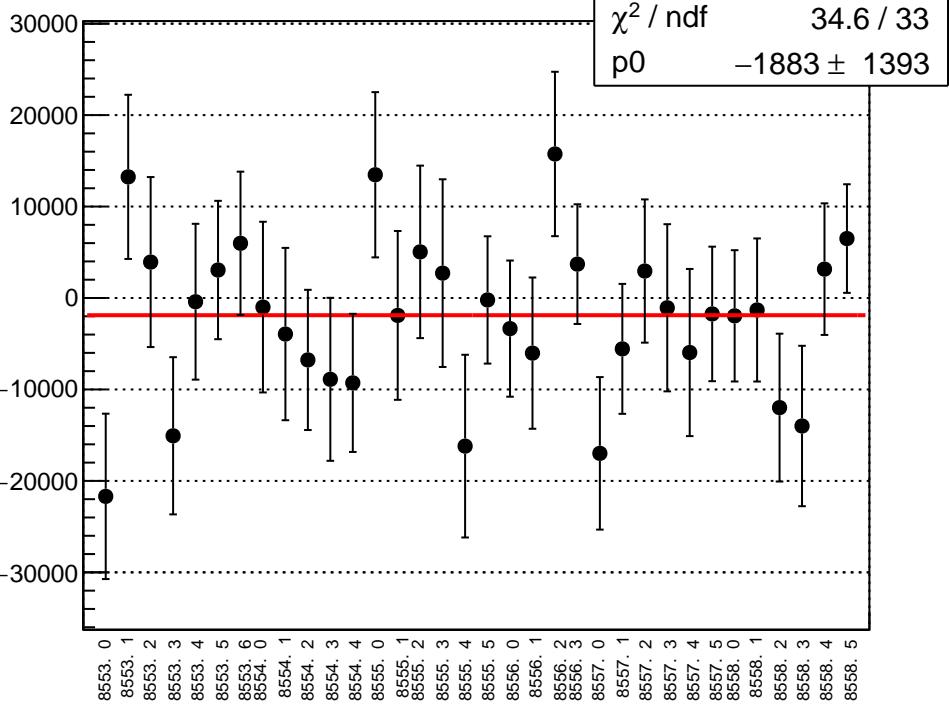
χ^2 / ndf 8.275 / 33
 p_0 330.3 ± 763



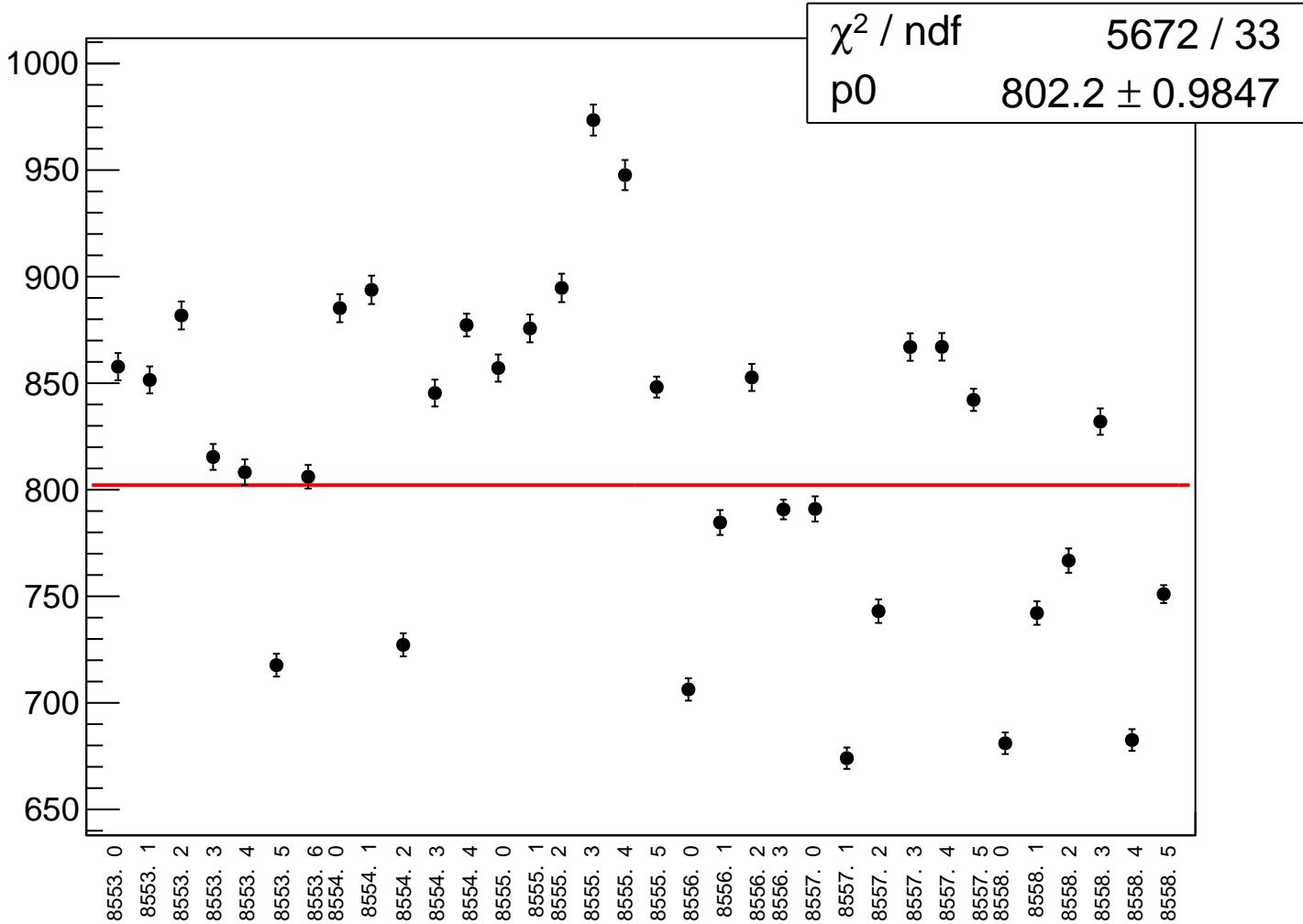
asym_bcm_dg_ds_rms vs run



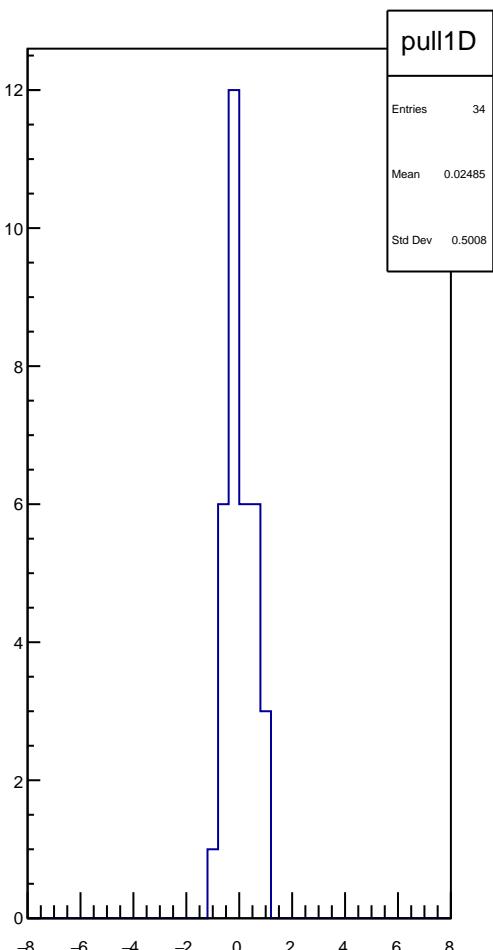
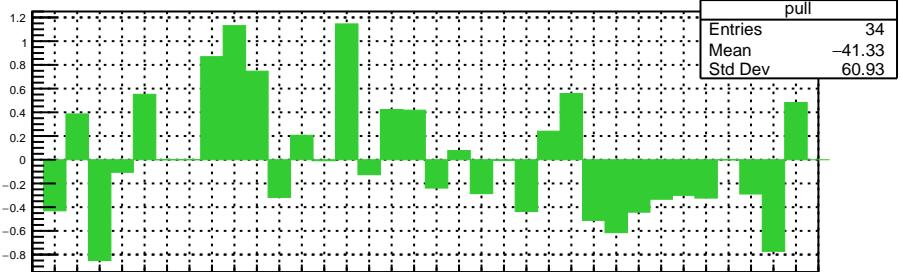
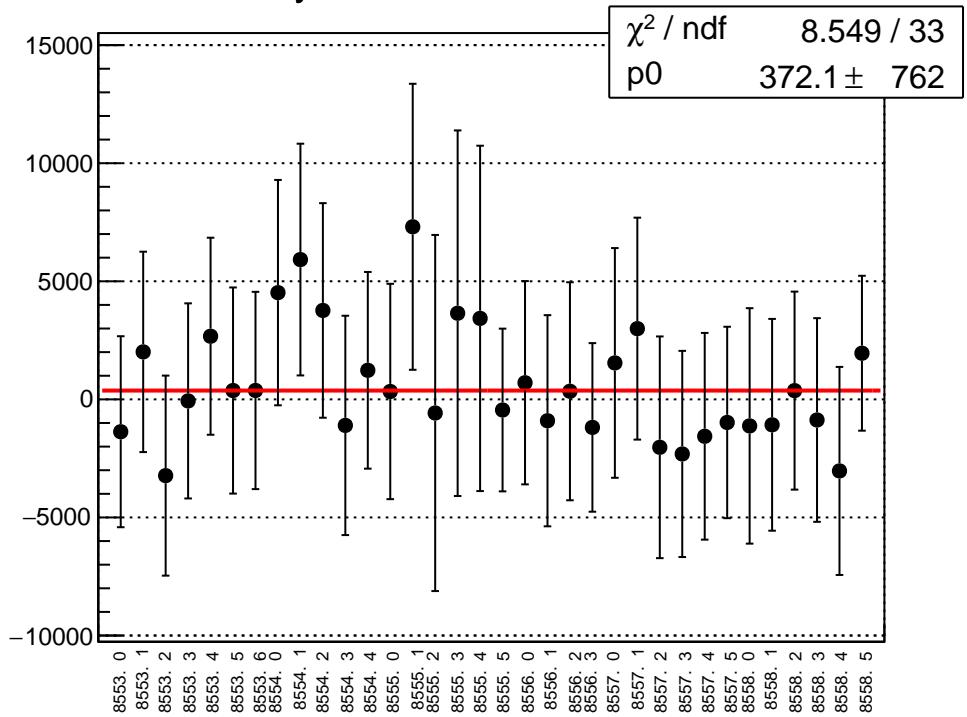
asym_cav4bQ_mean vs run



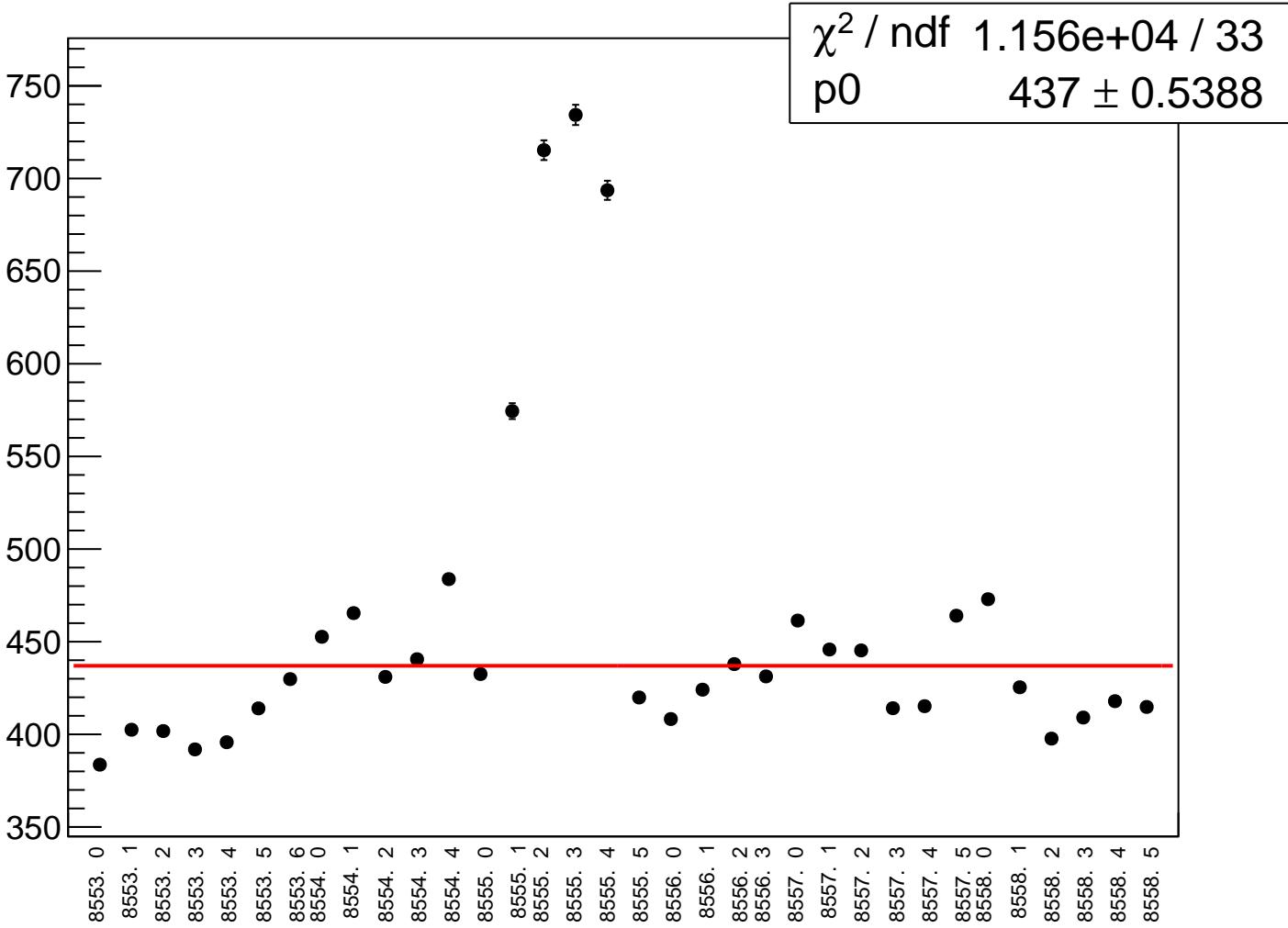
asym_cav4bQ_rms vs run



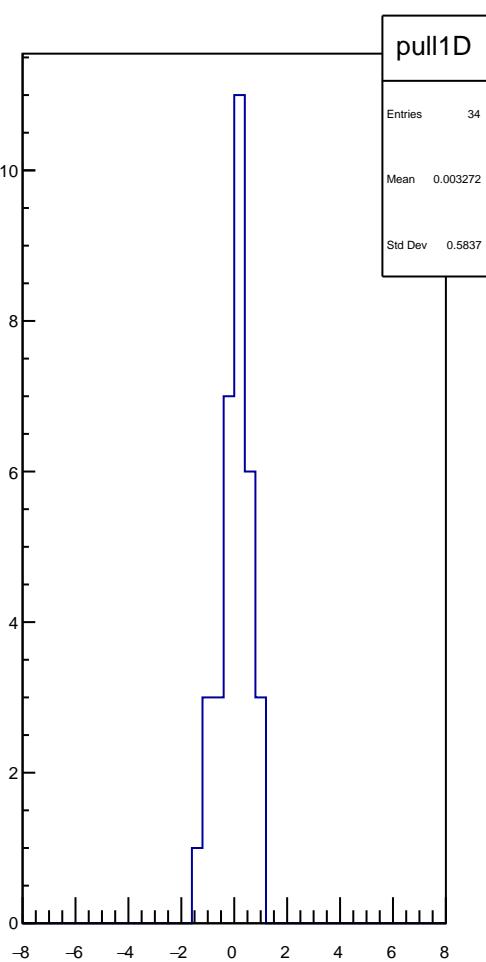
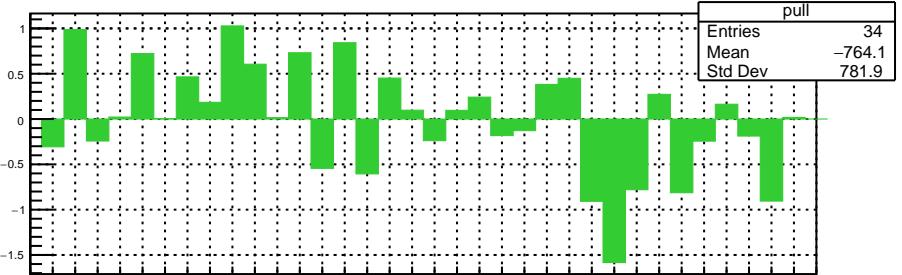
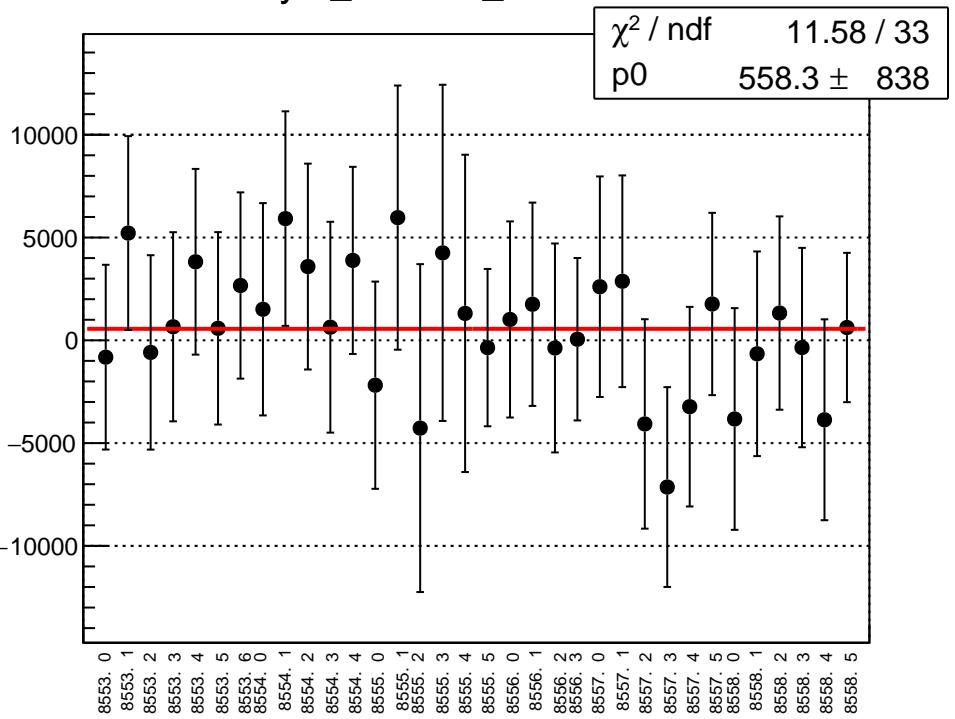
asym_cav4cQ_mean vs run



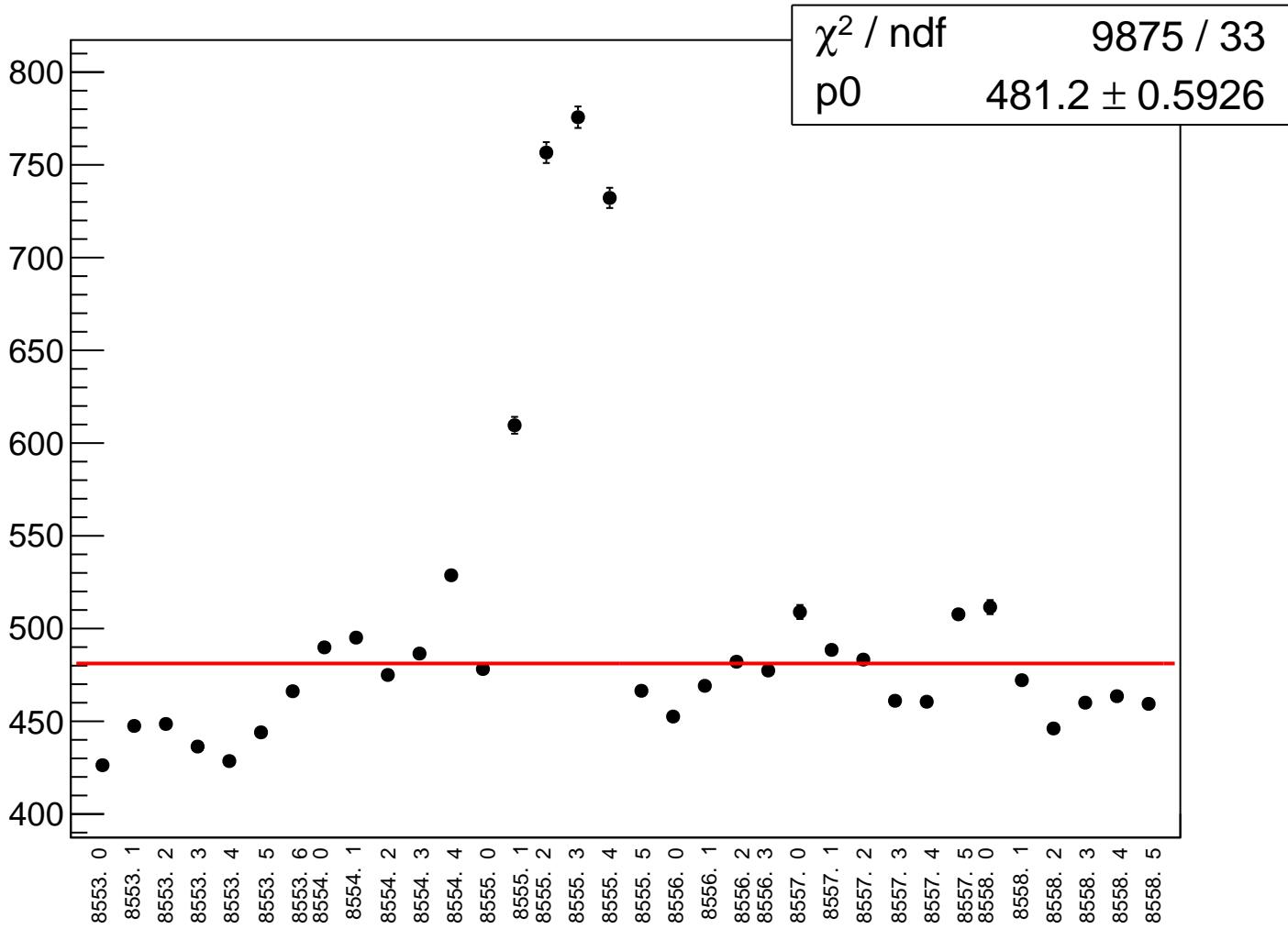
asym_cav4cQ_rms vs run



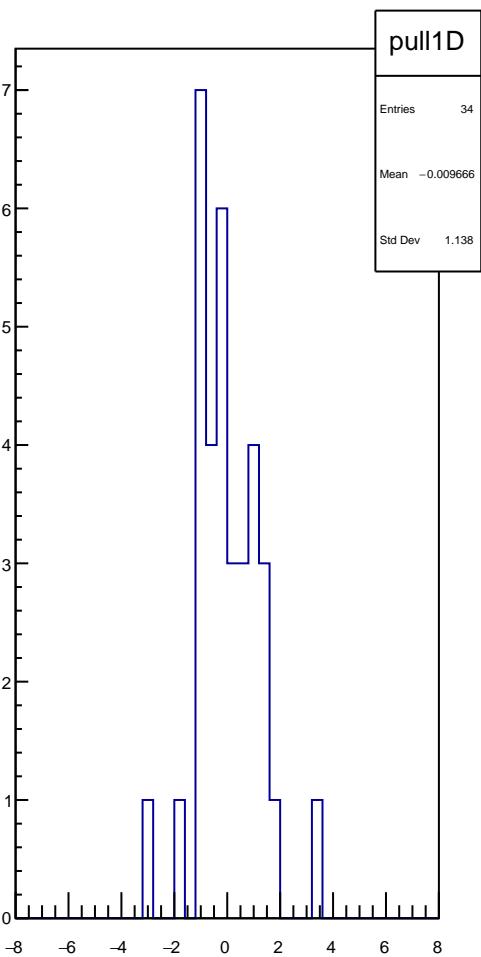
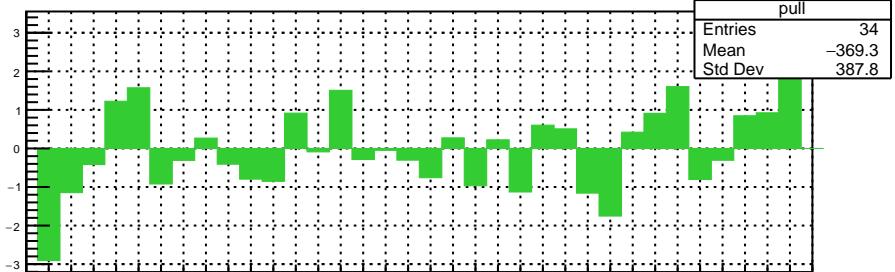
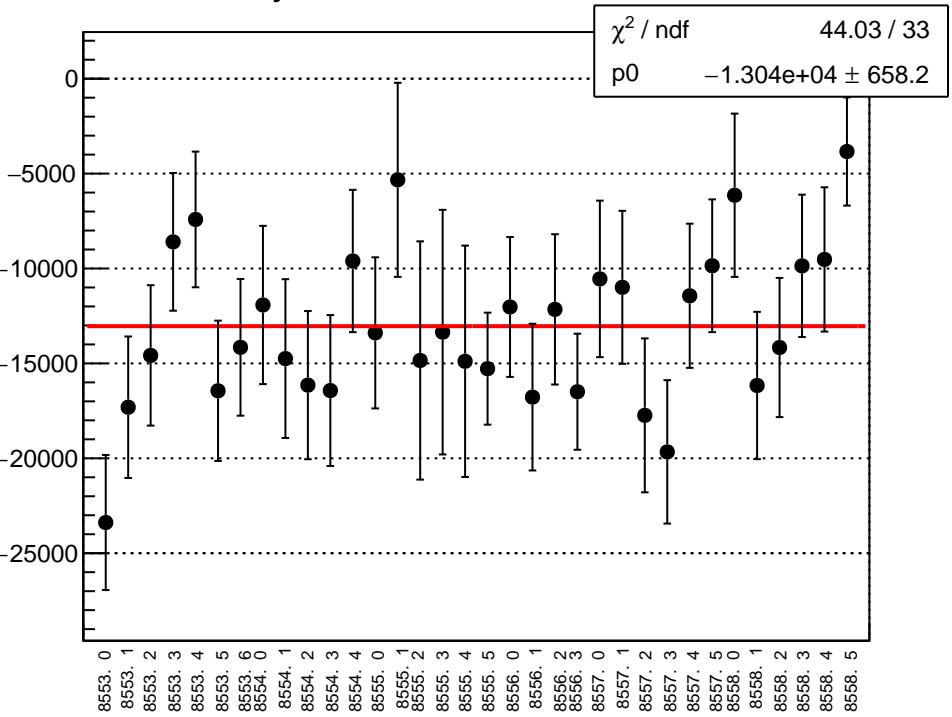
asym_cav4dQ_mean vs run



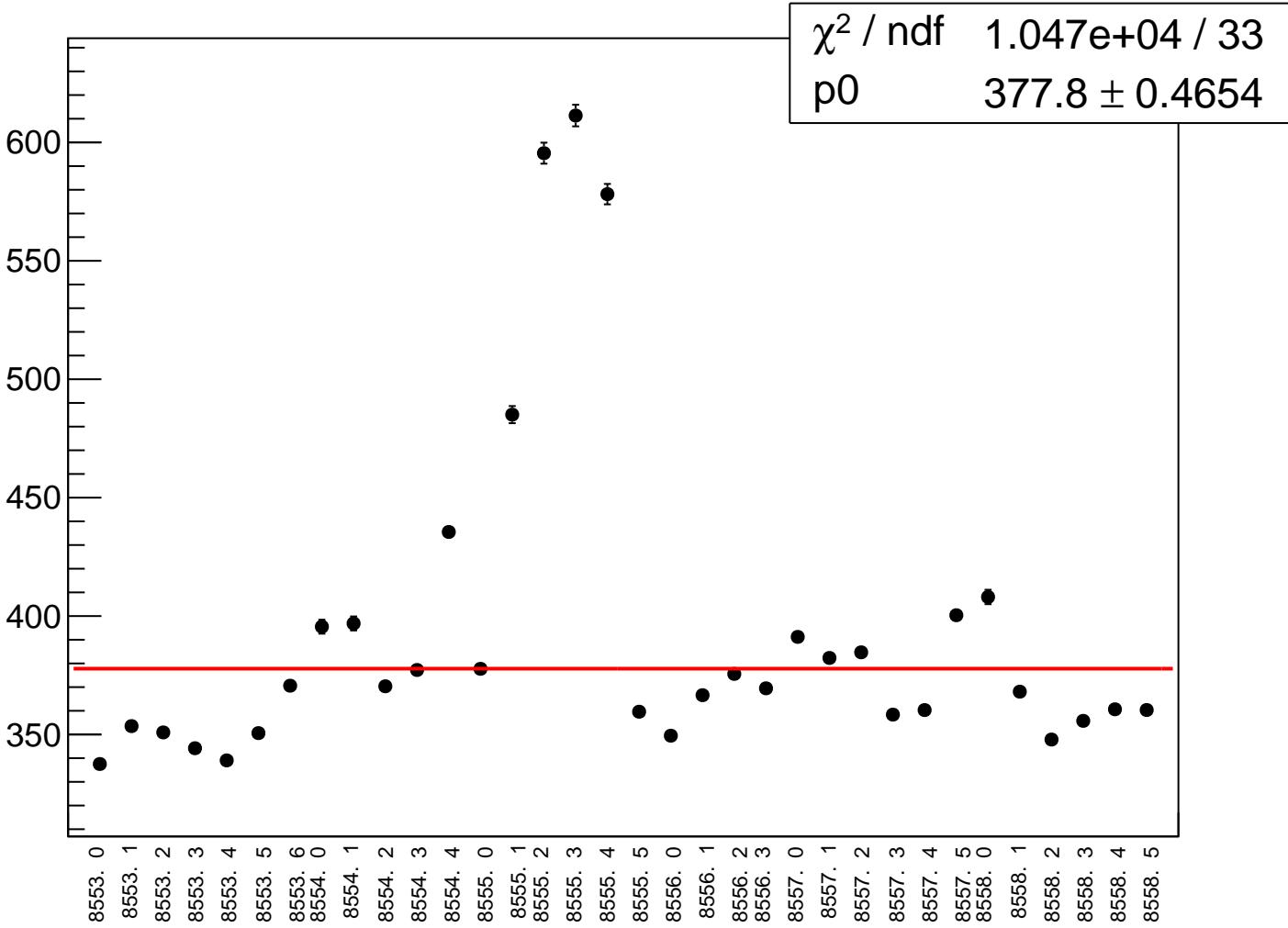
asym_cav4dQ_rms vs run



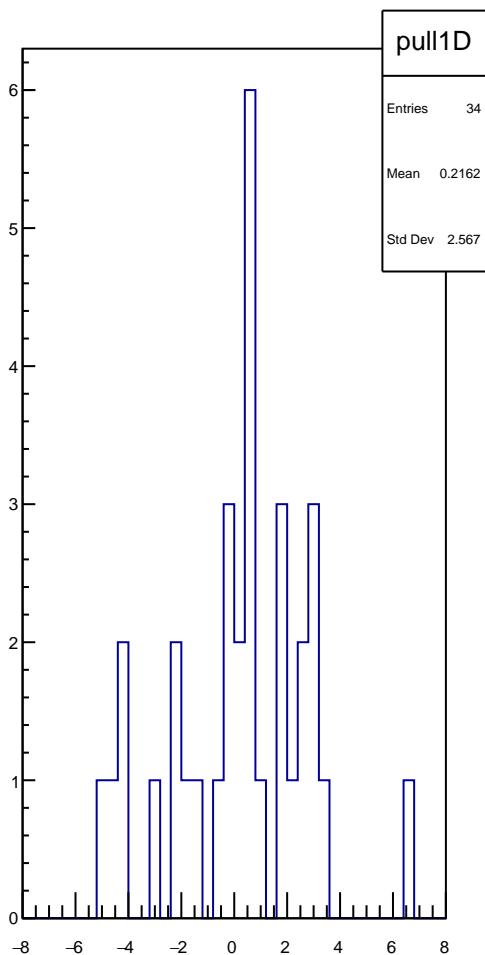
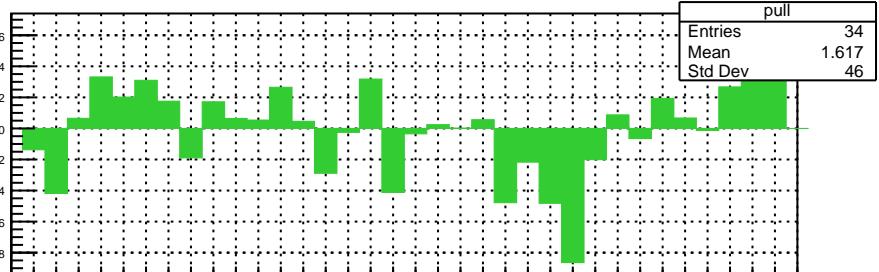
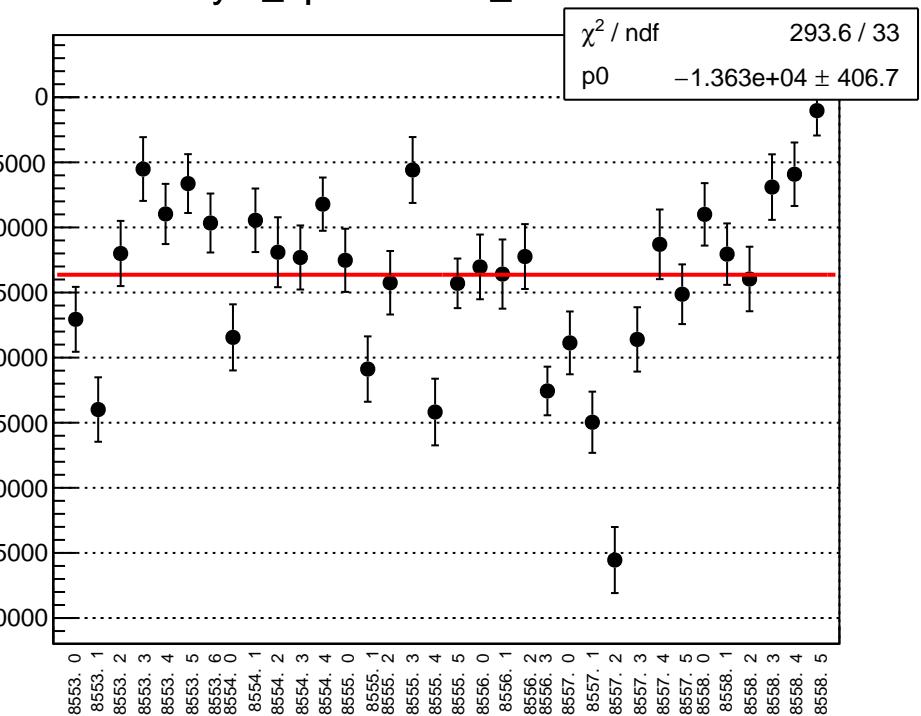
asym_bcm0l02_mean vs run



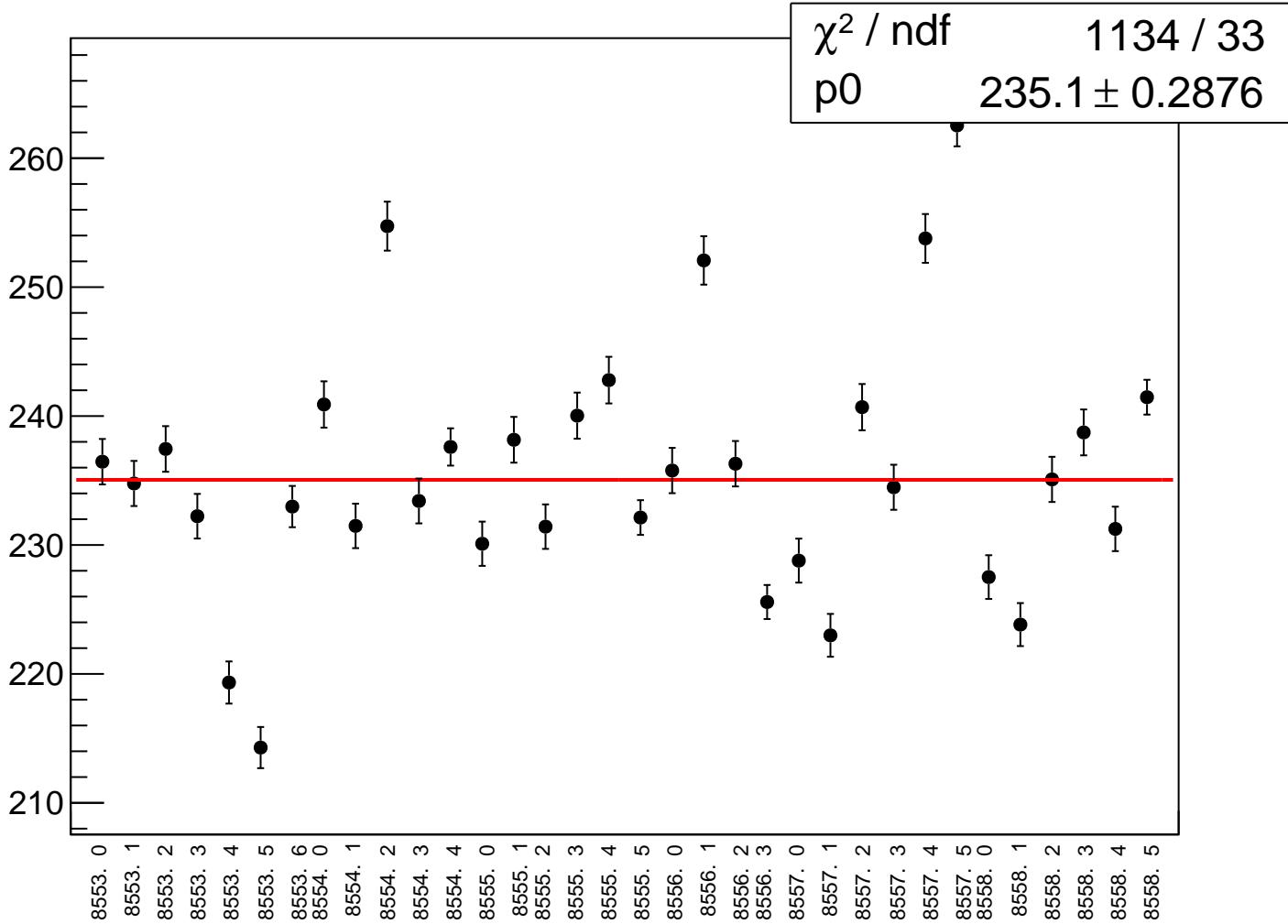
asym_bcm0l02_rms vs run



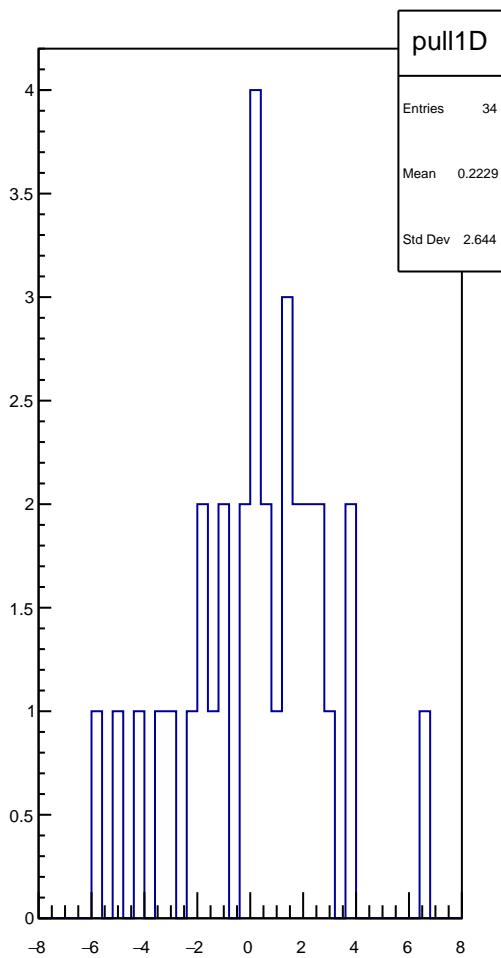
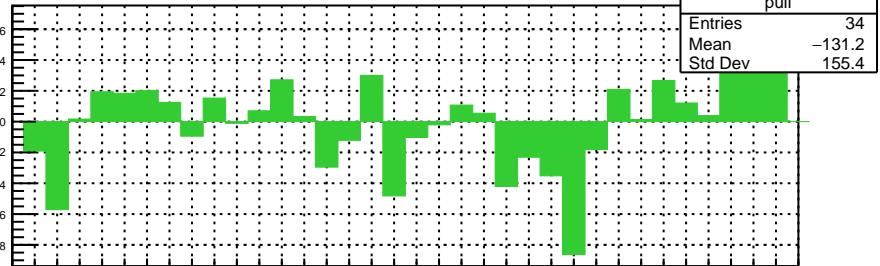
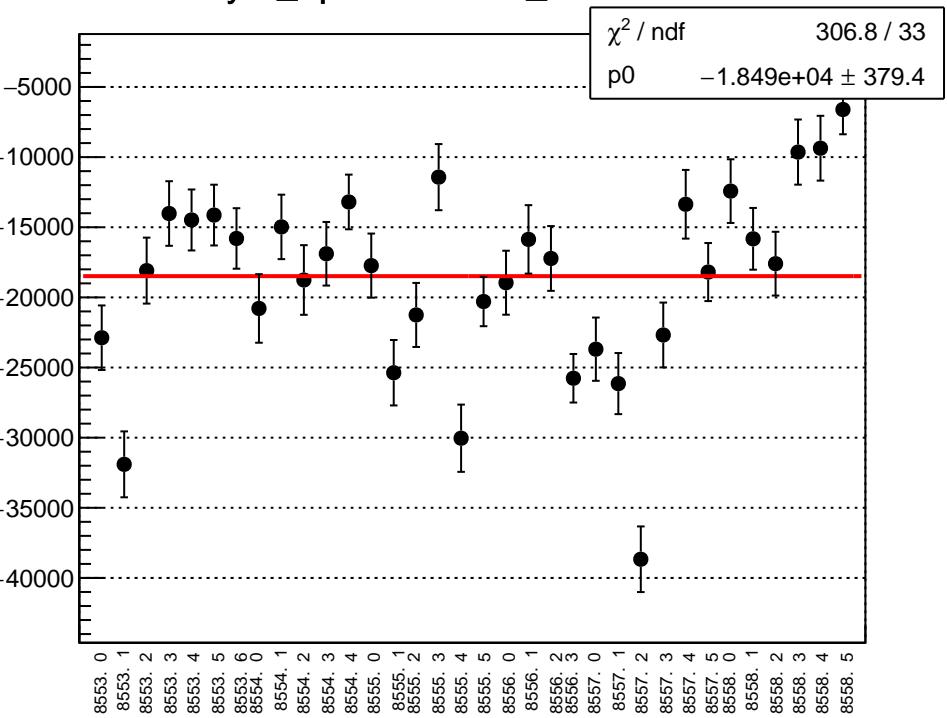
asym_bpm0i02WS_mean vs run



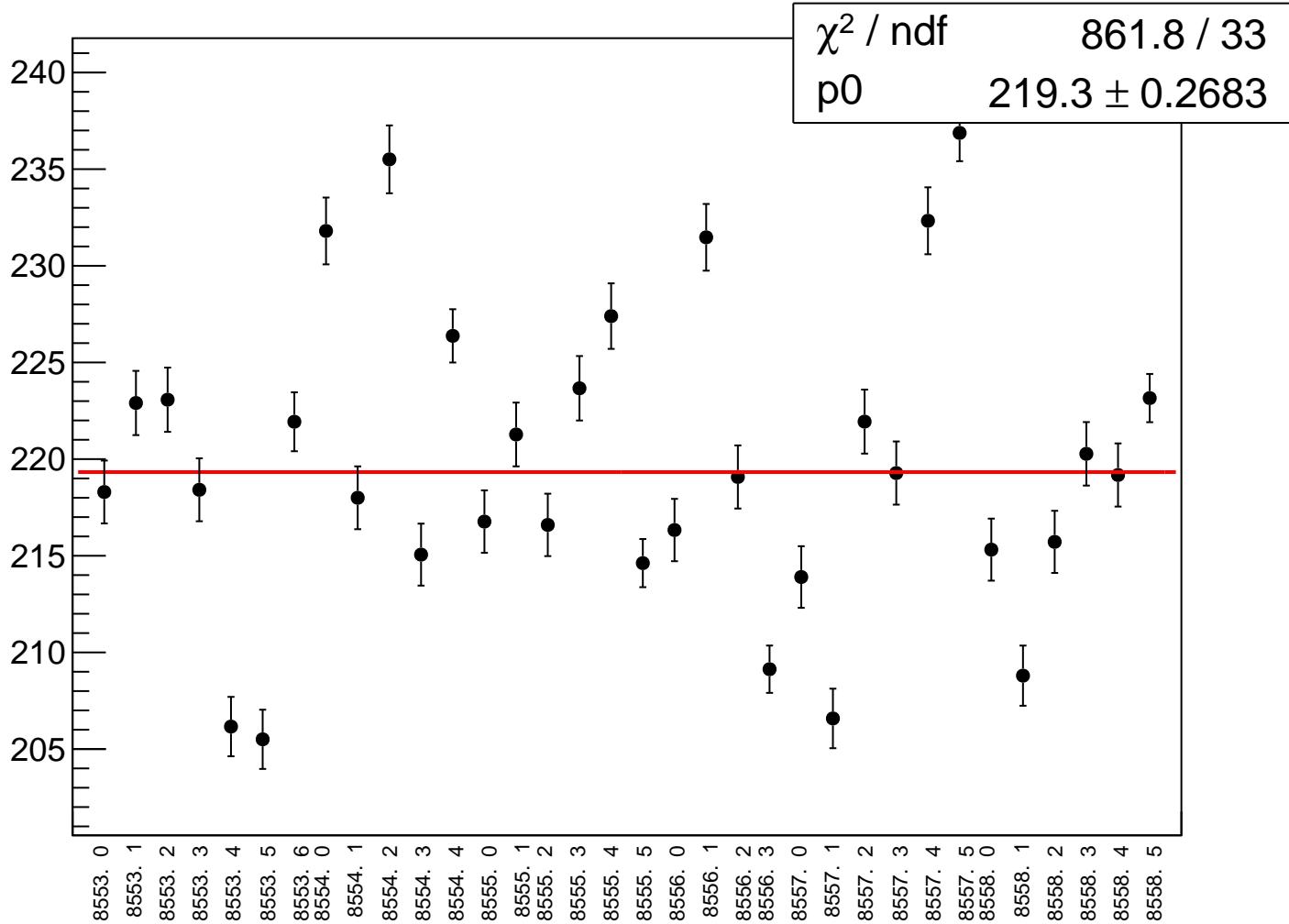
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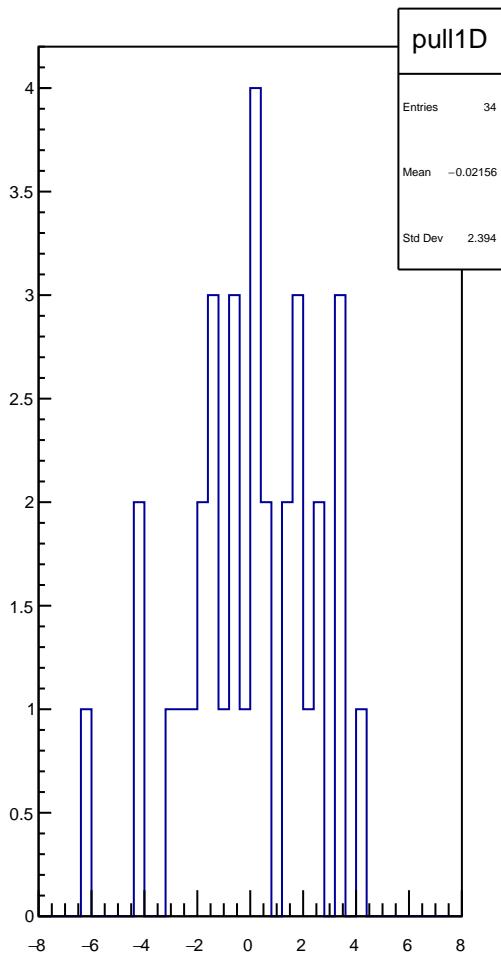
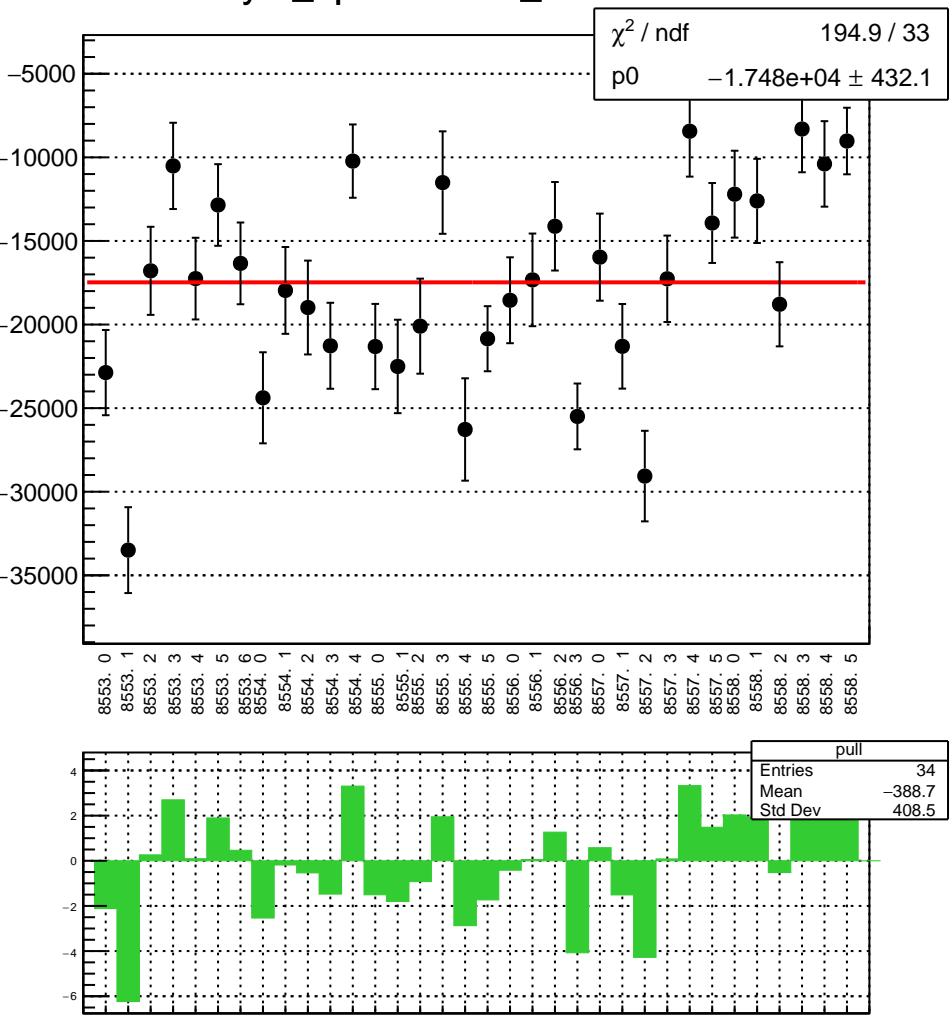
asym_bpm0i02aWS_mean vs run



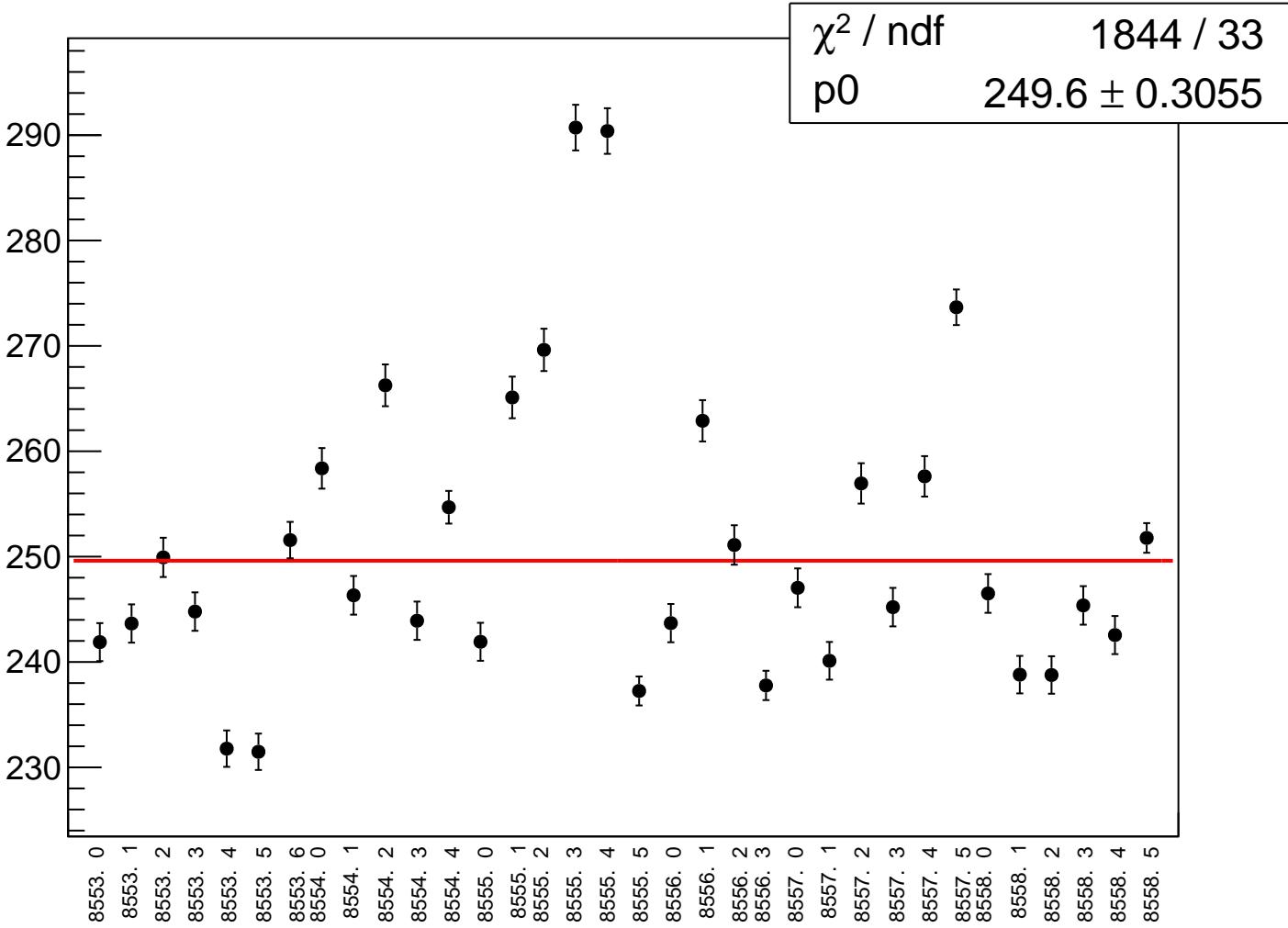
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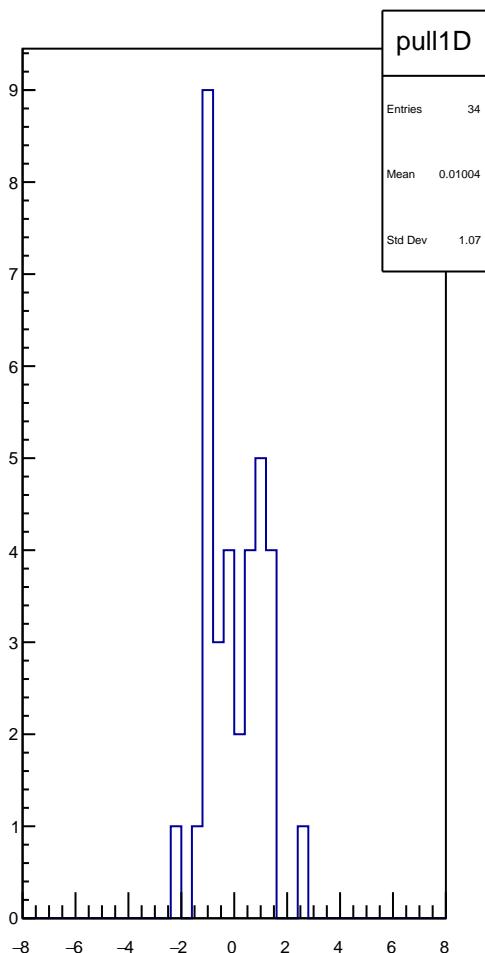
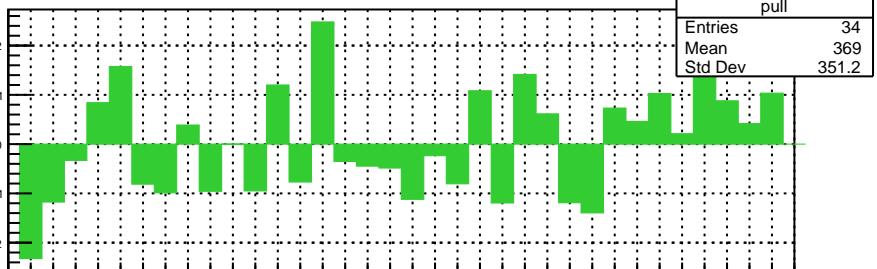
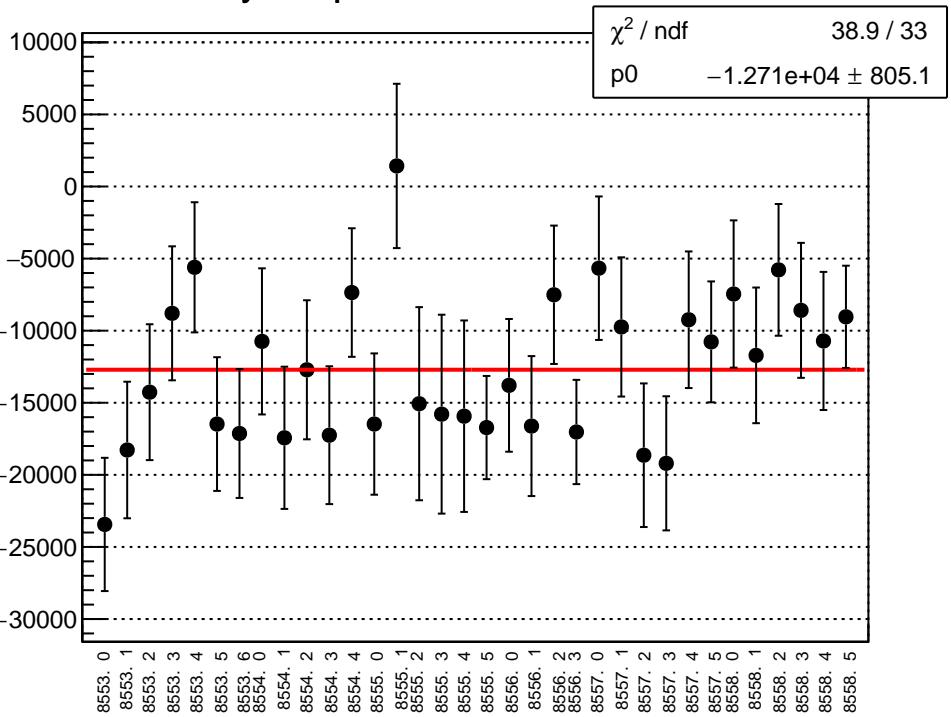
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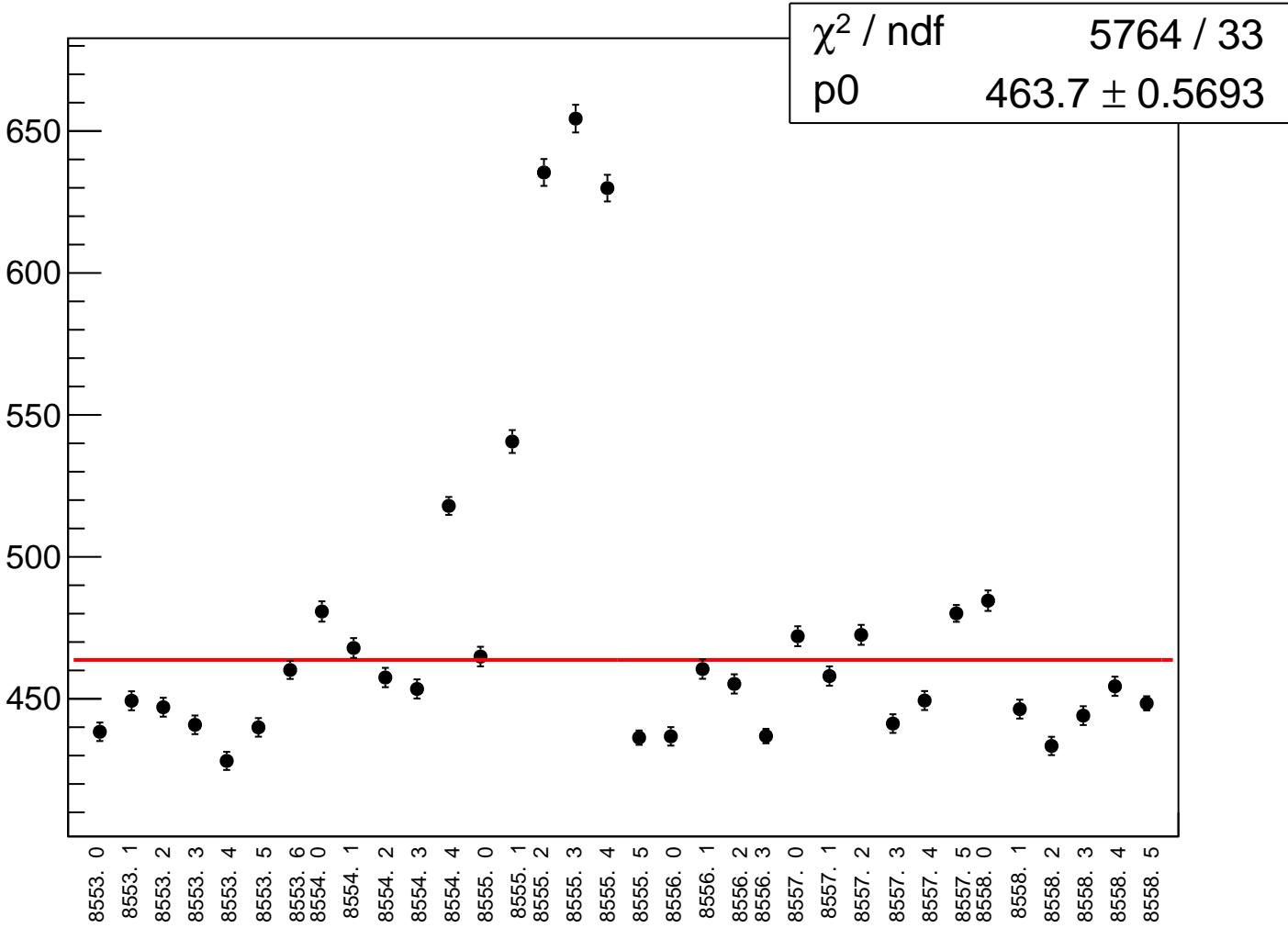
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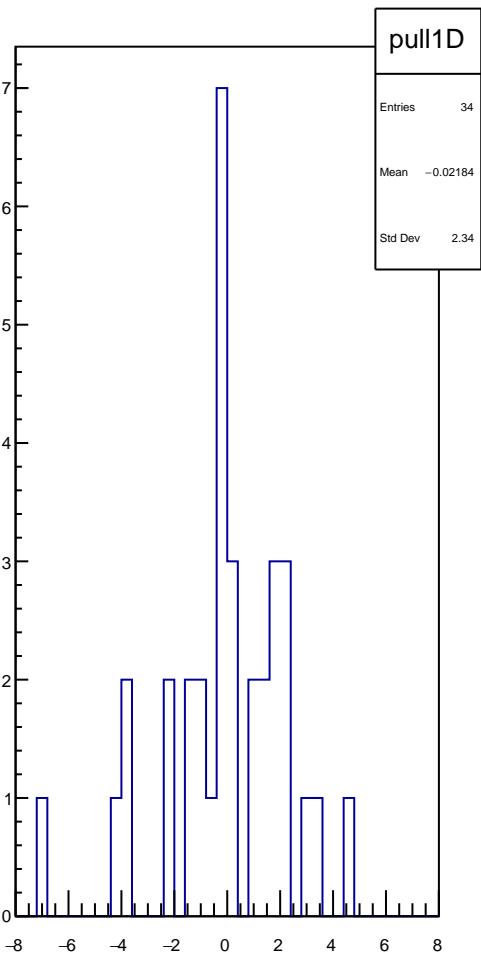
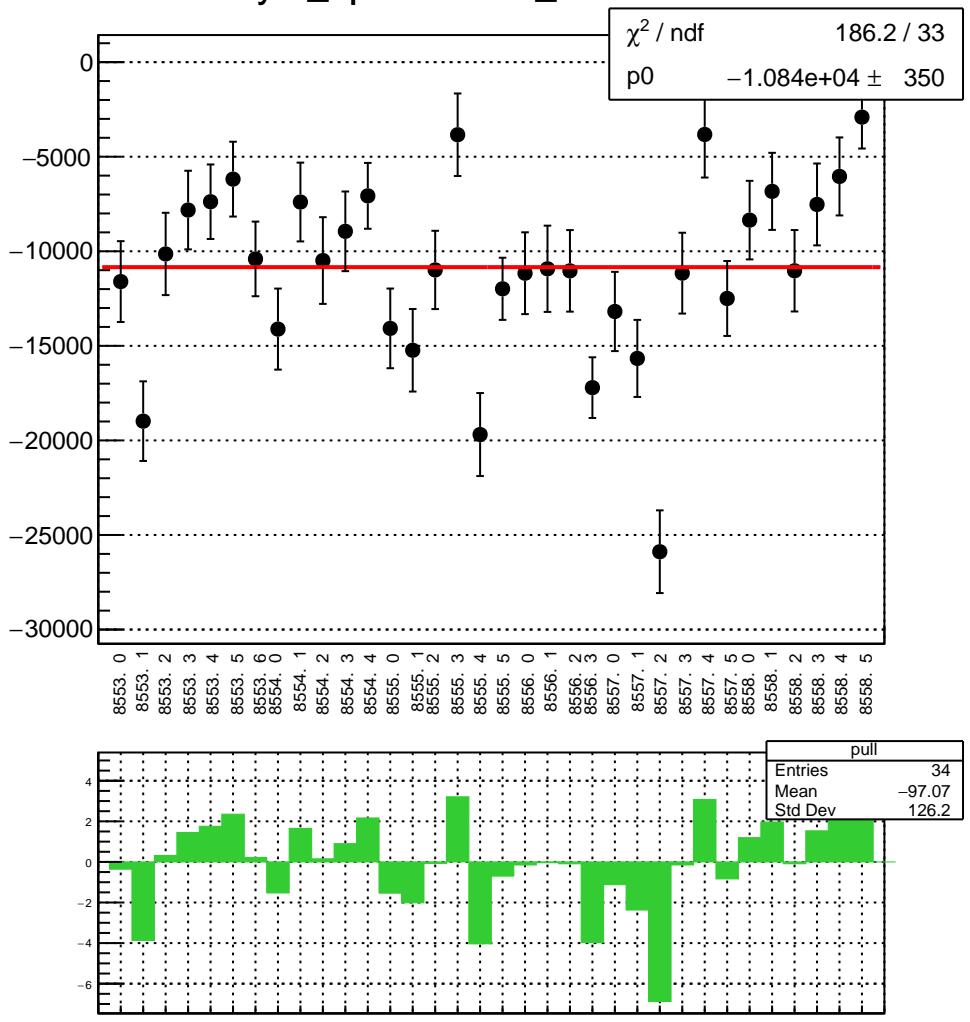
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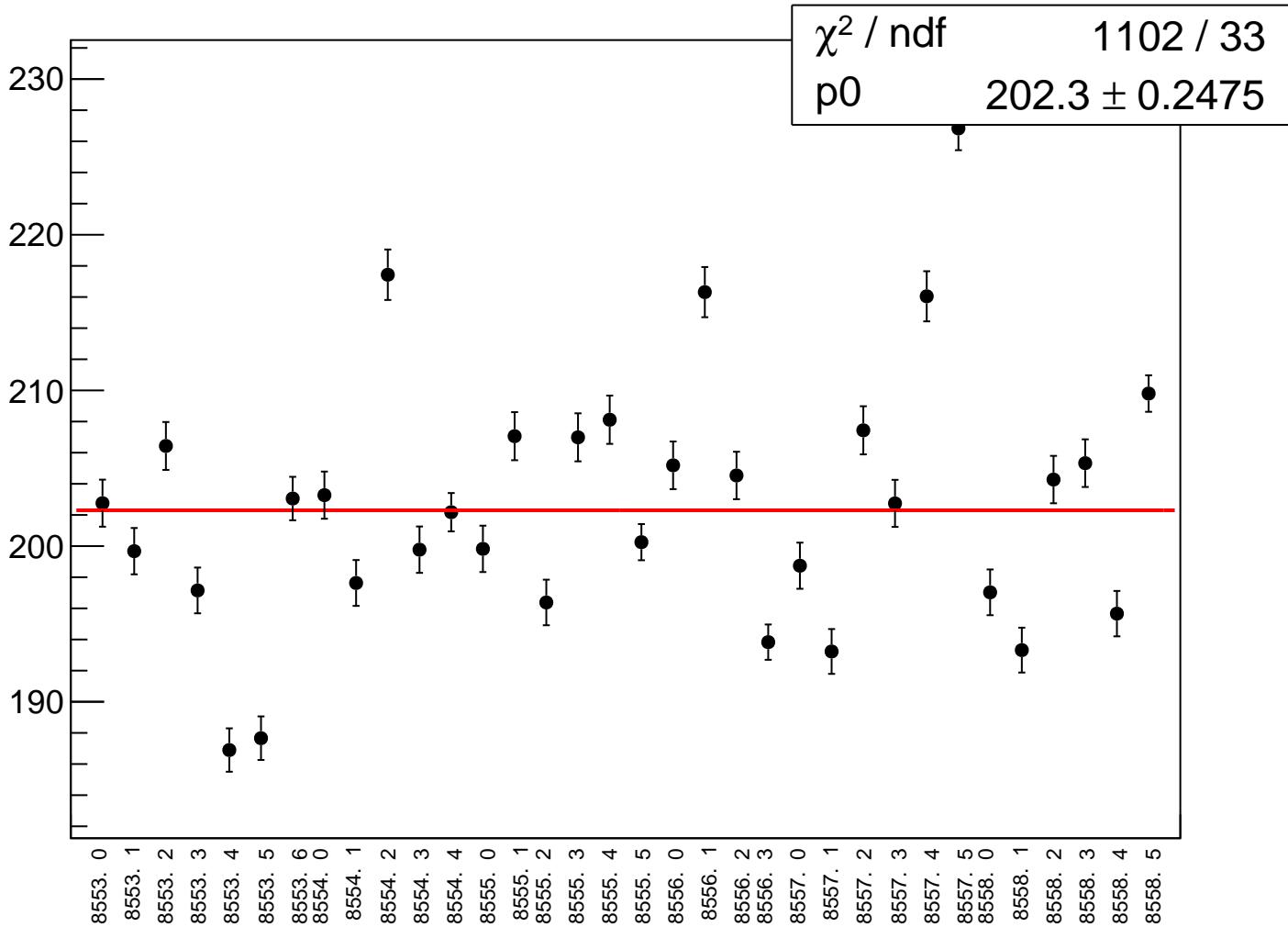
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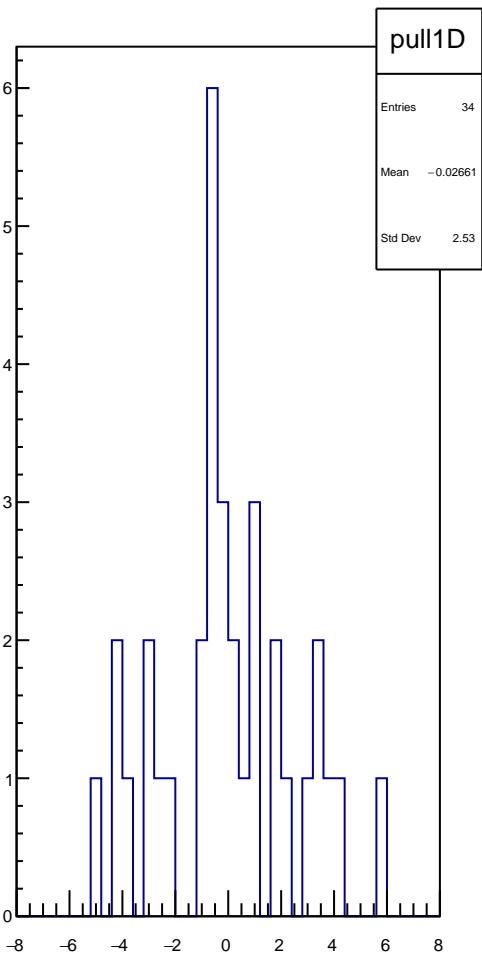
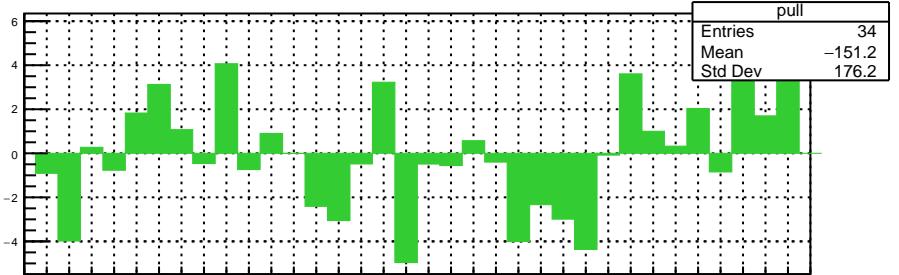
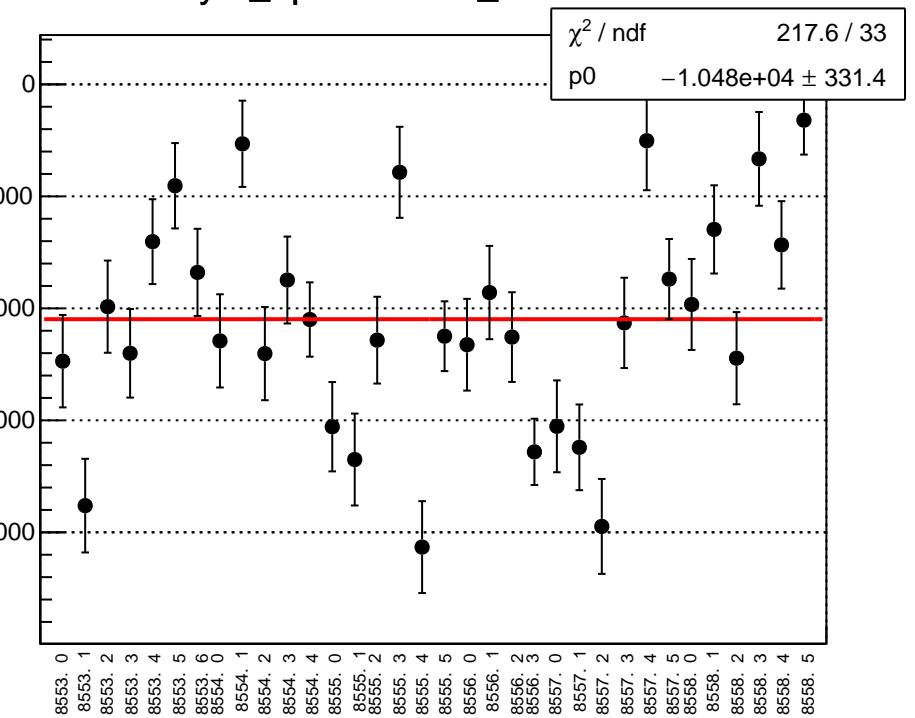
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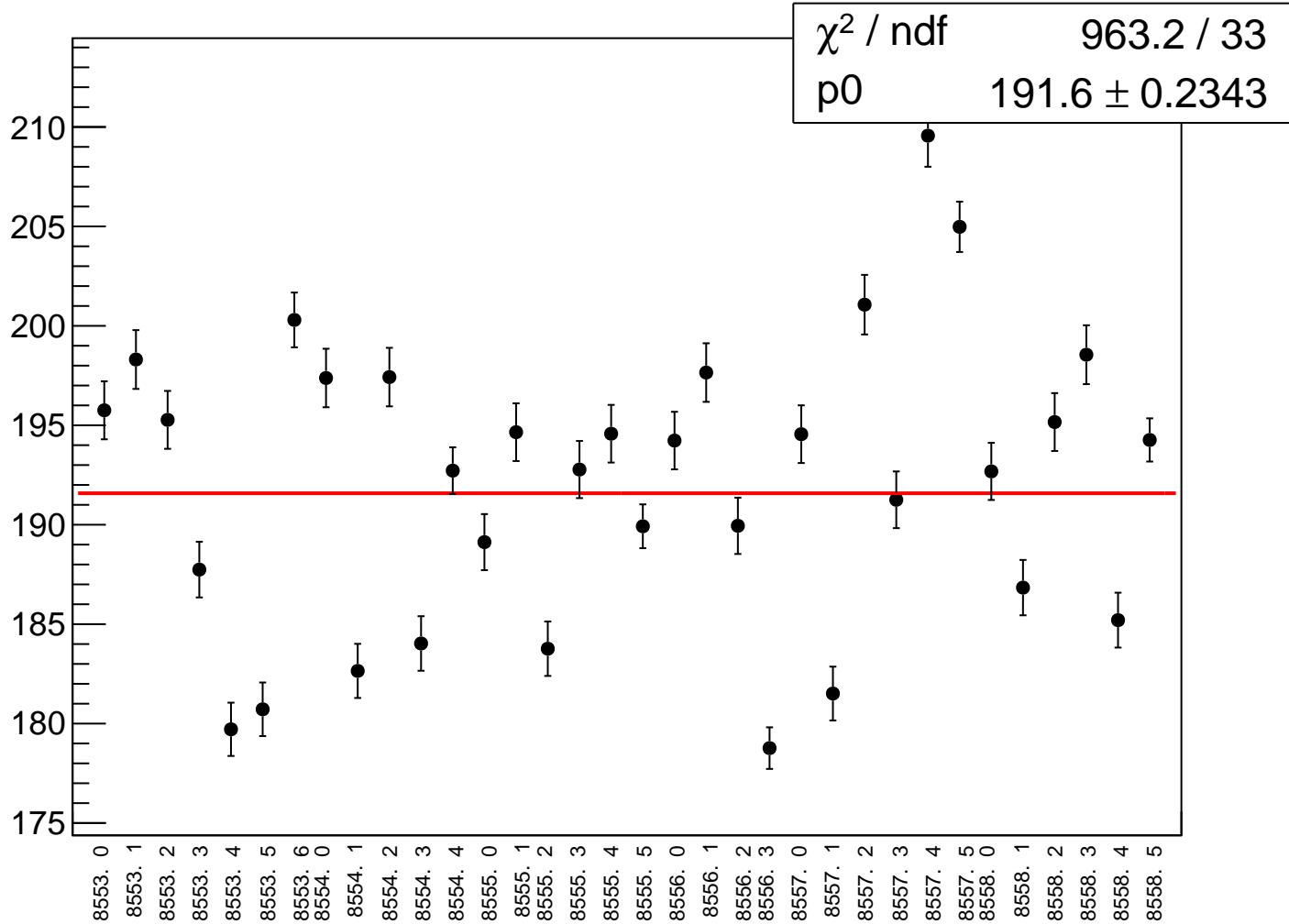
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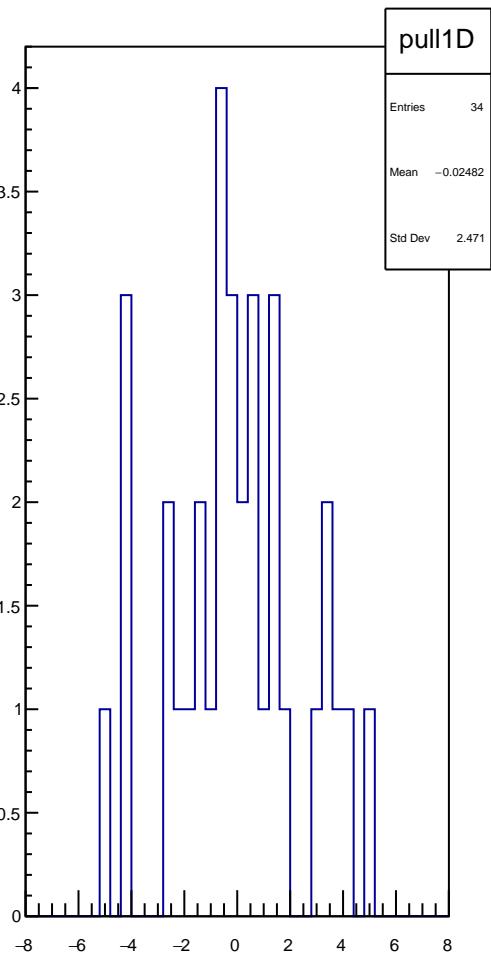
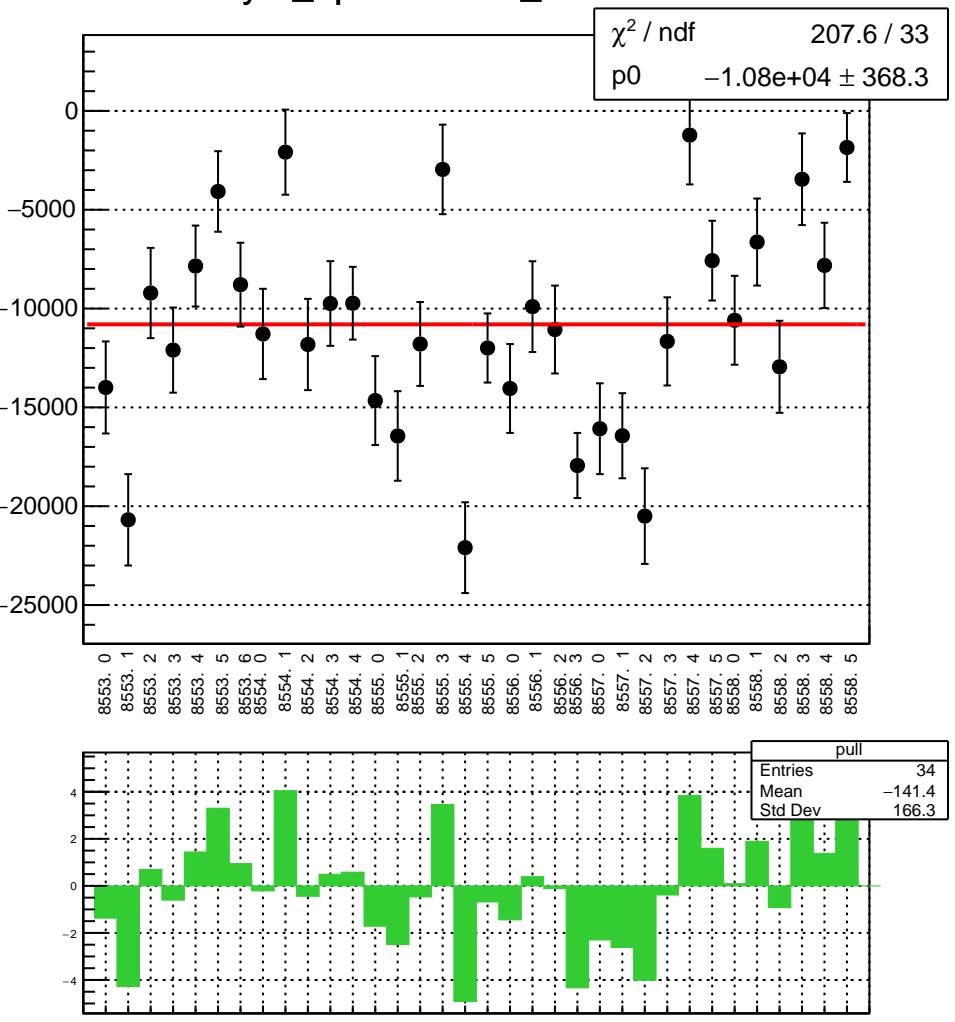
asym_bpm2i01WS_mean vs run



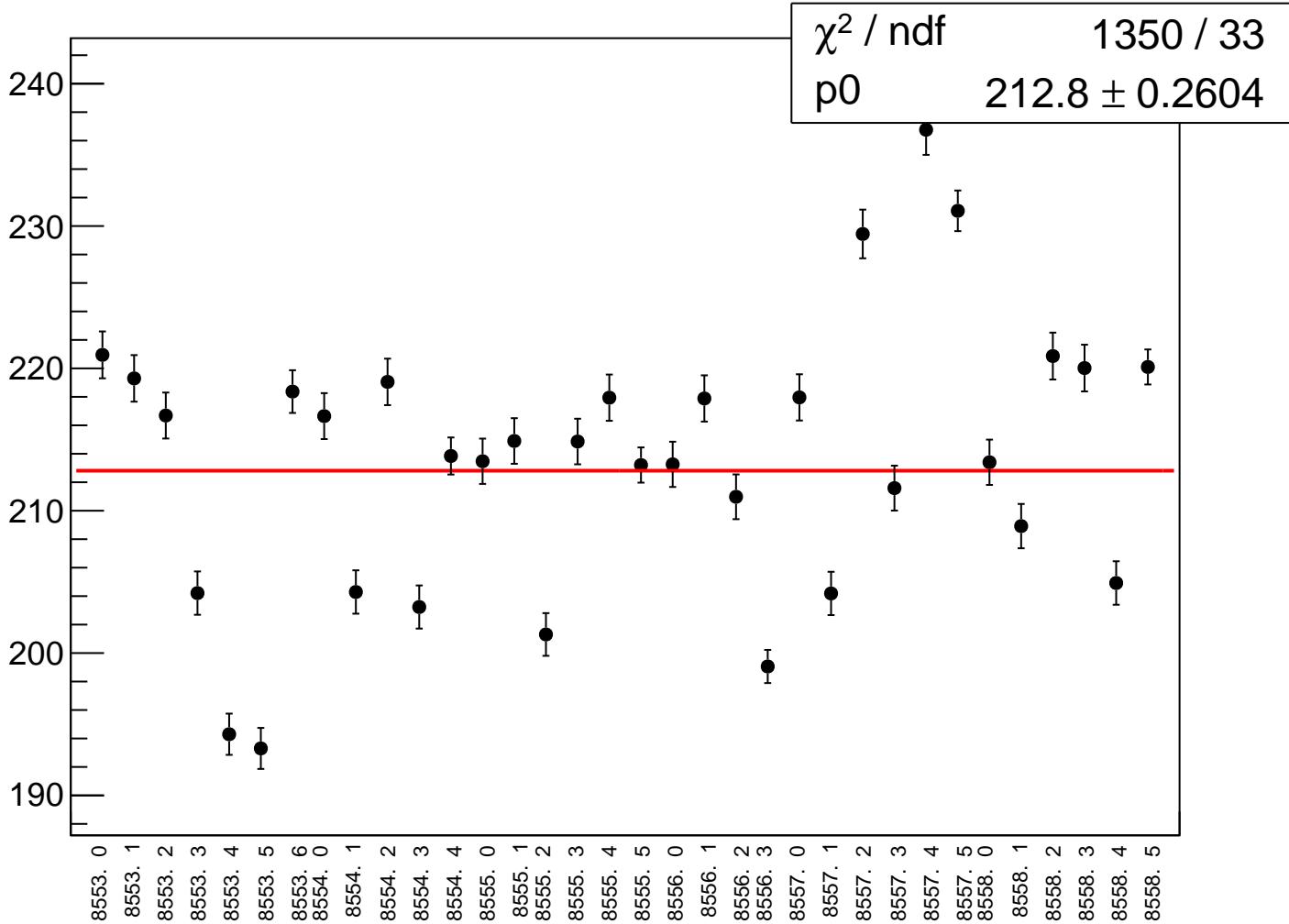
asym_bpm2i01WS_rms vs run



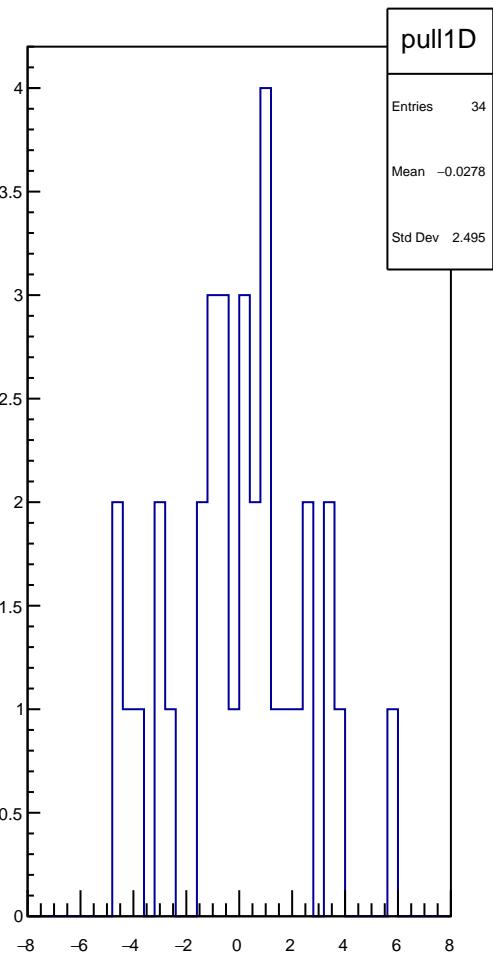
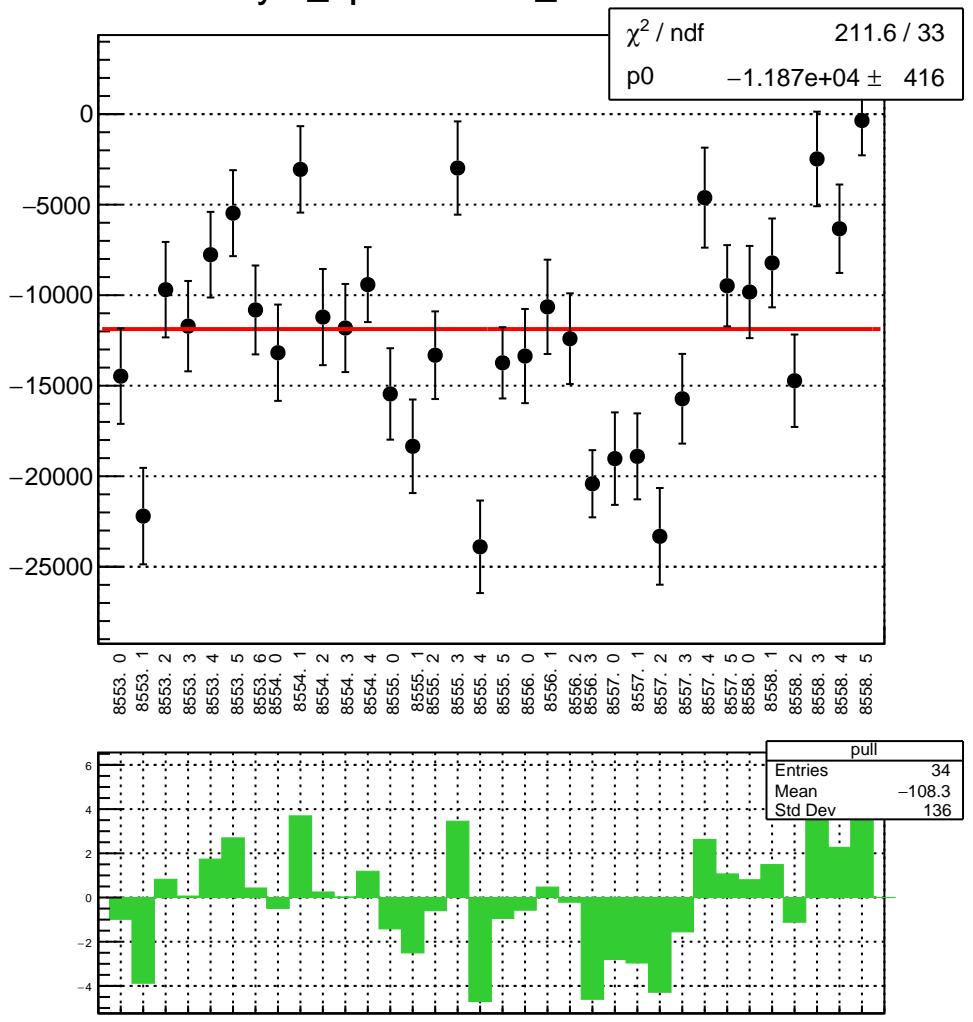
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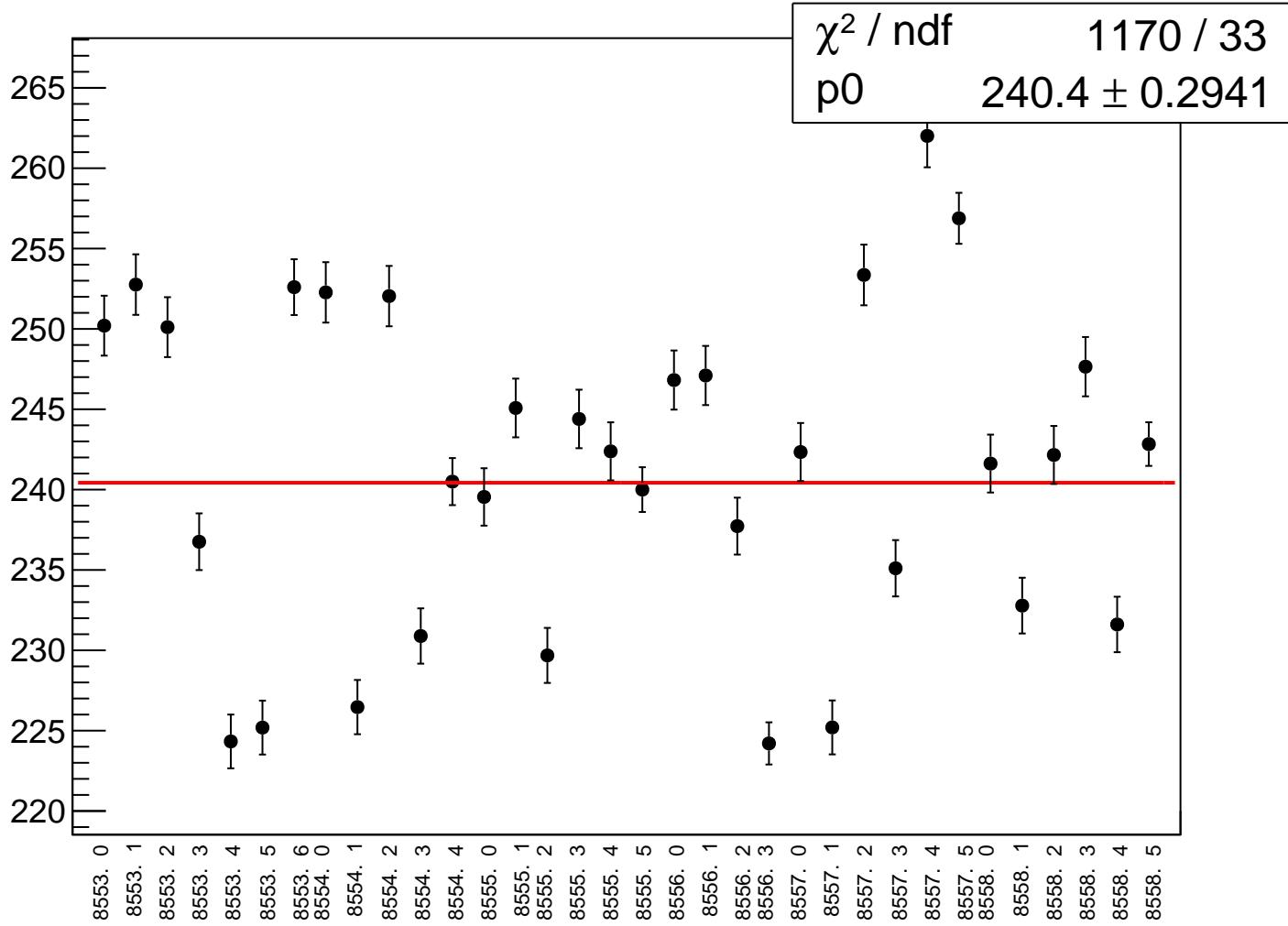
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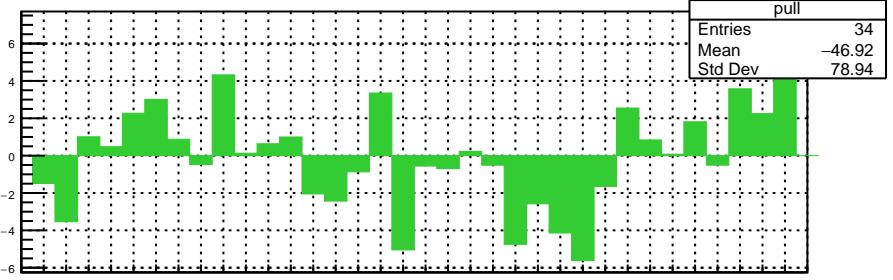
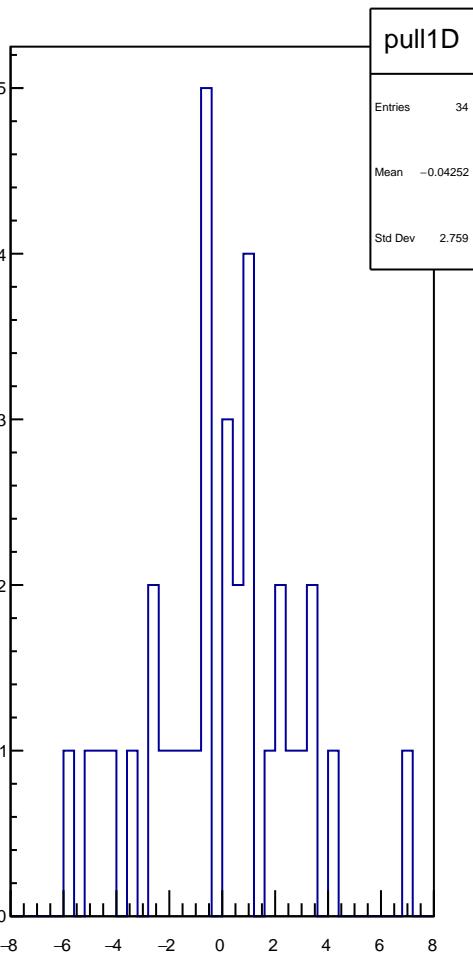
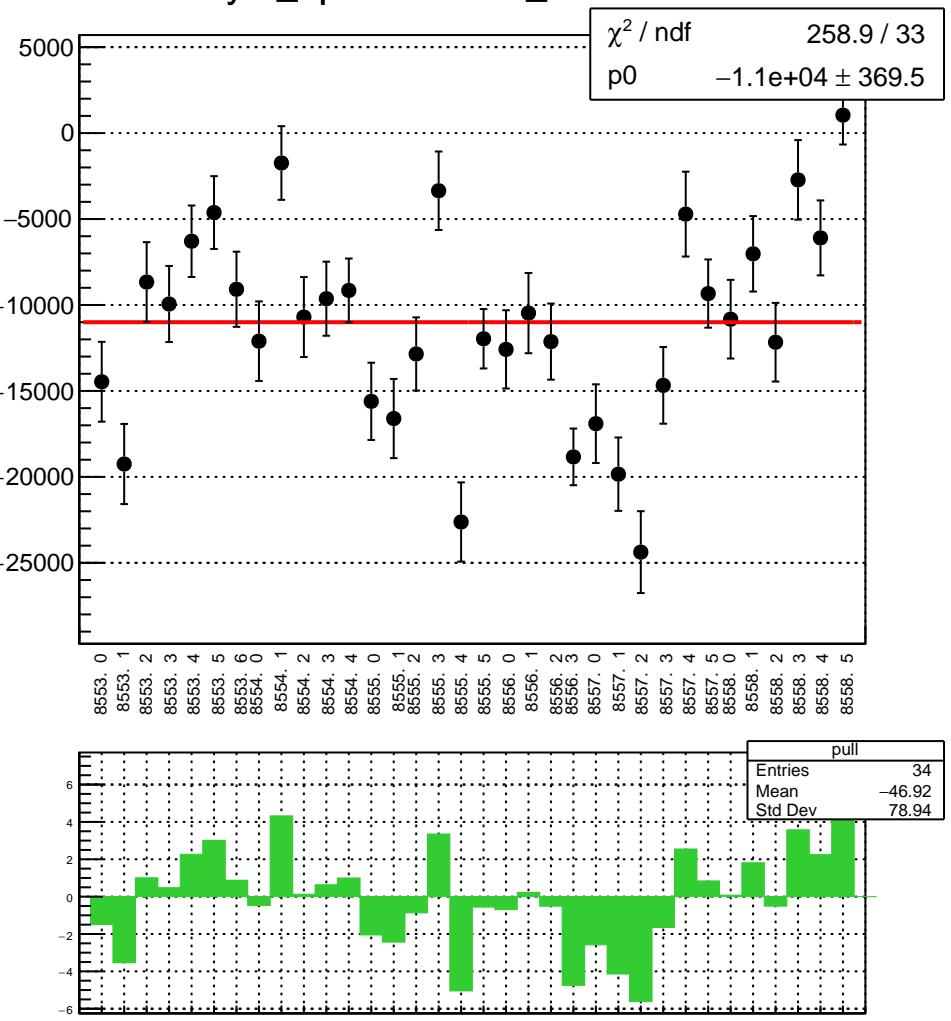
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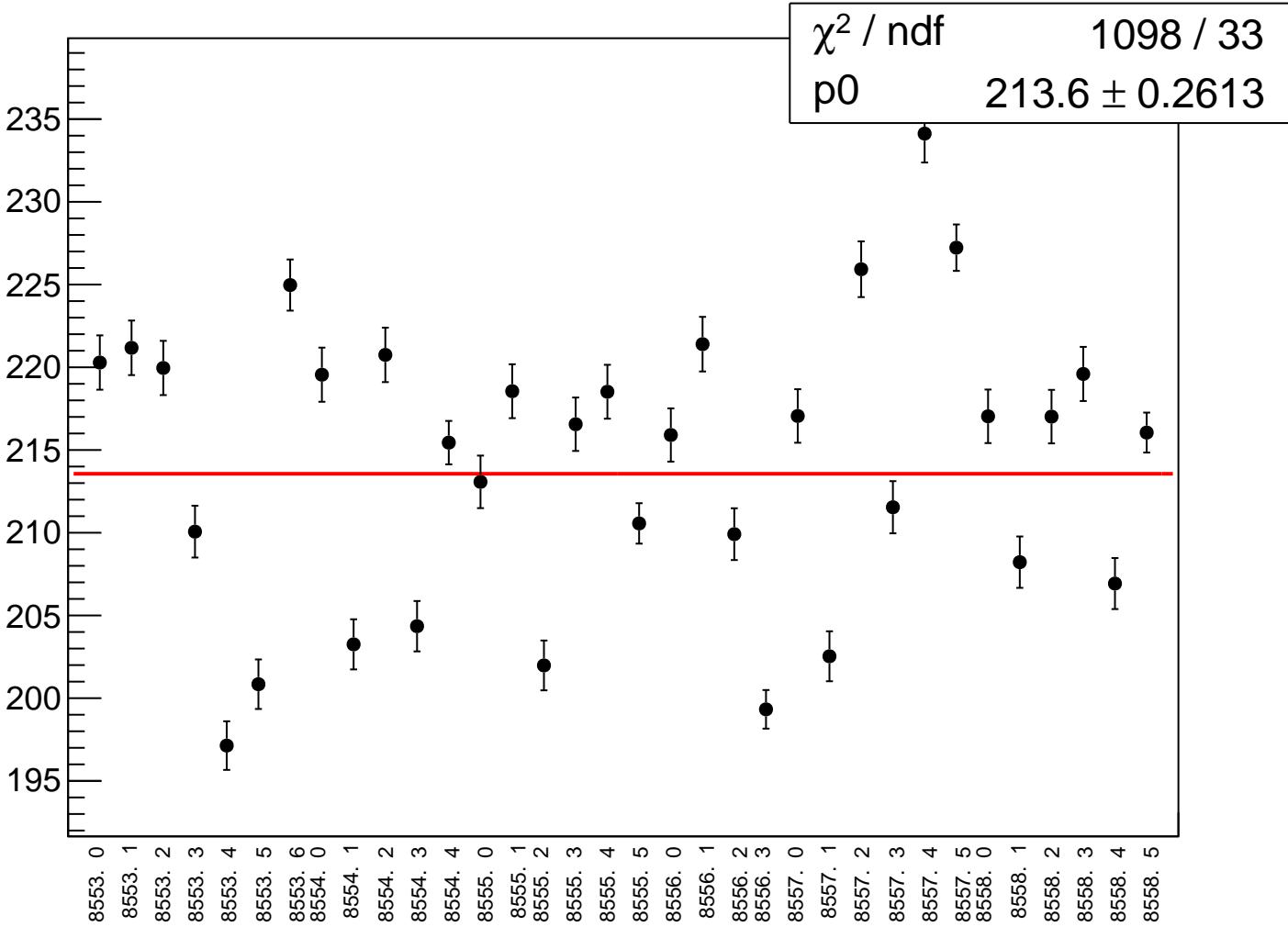
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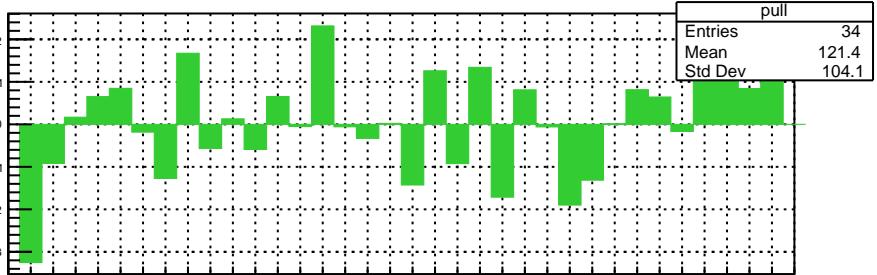
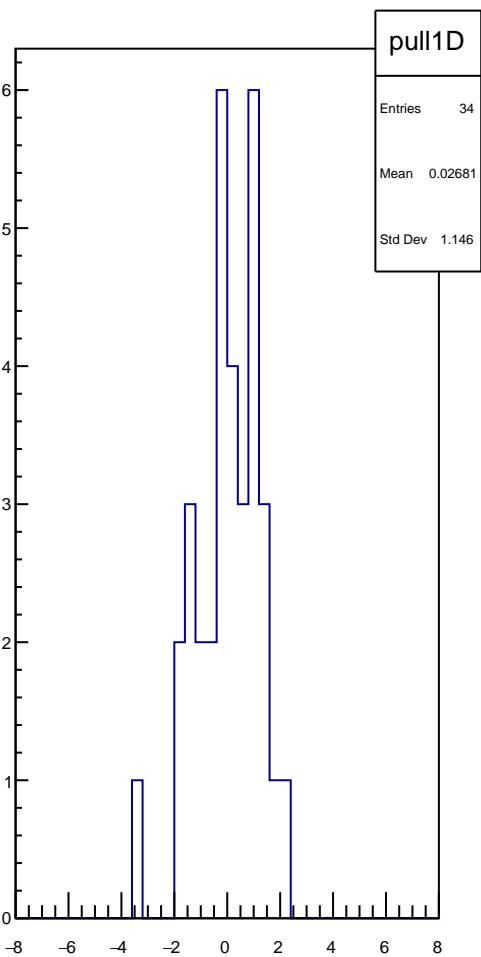
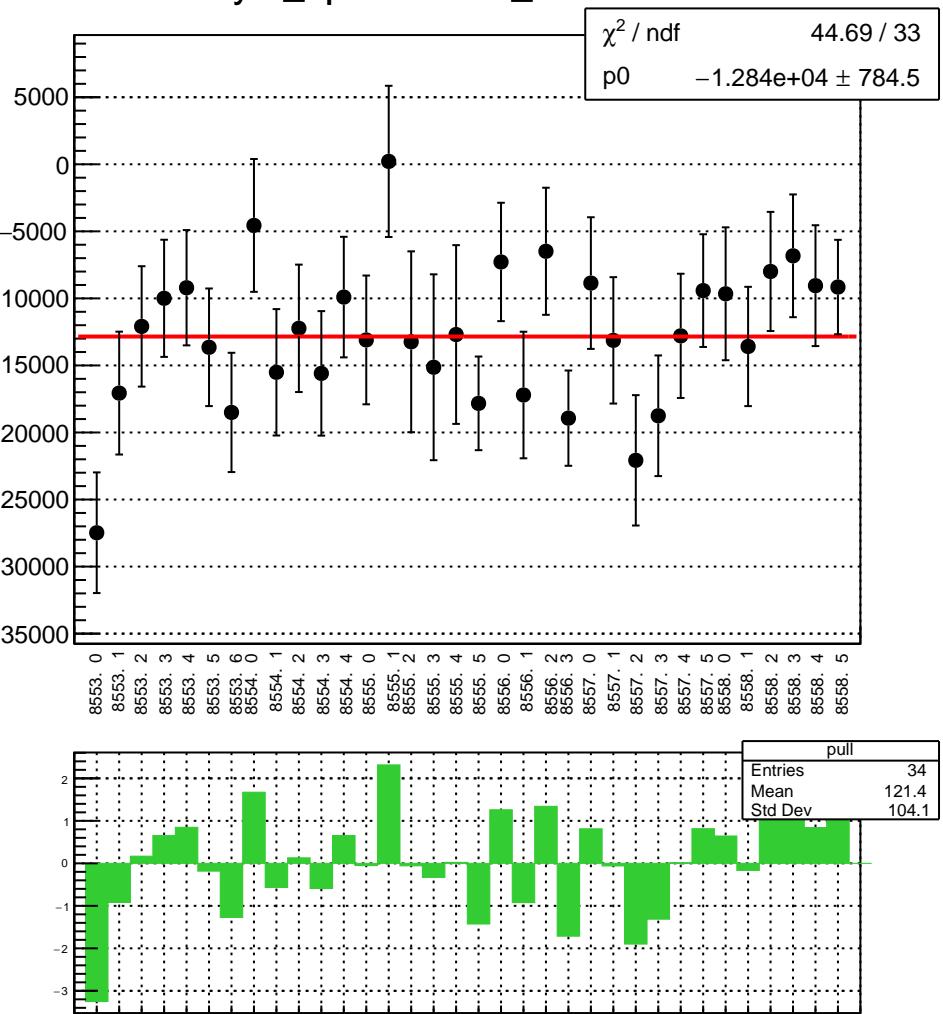
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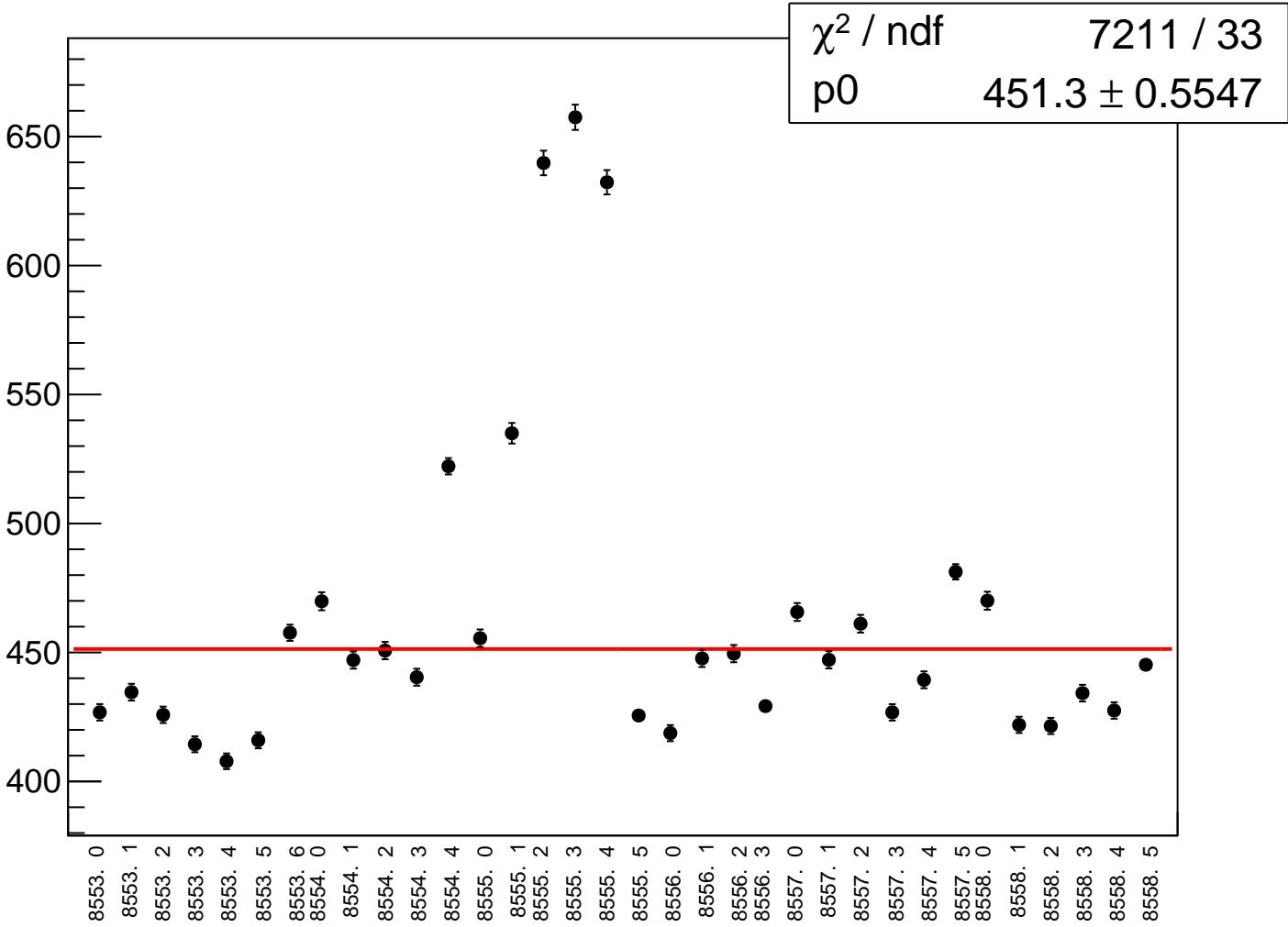
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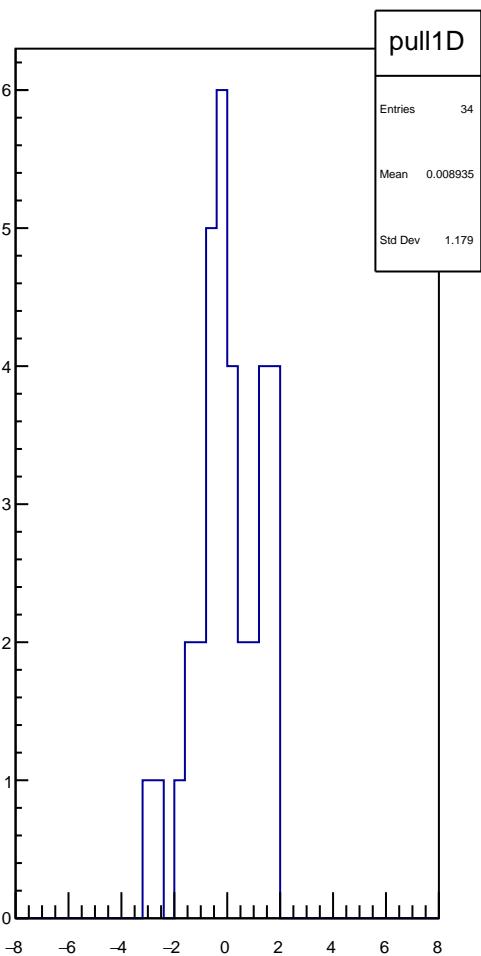
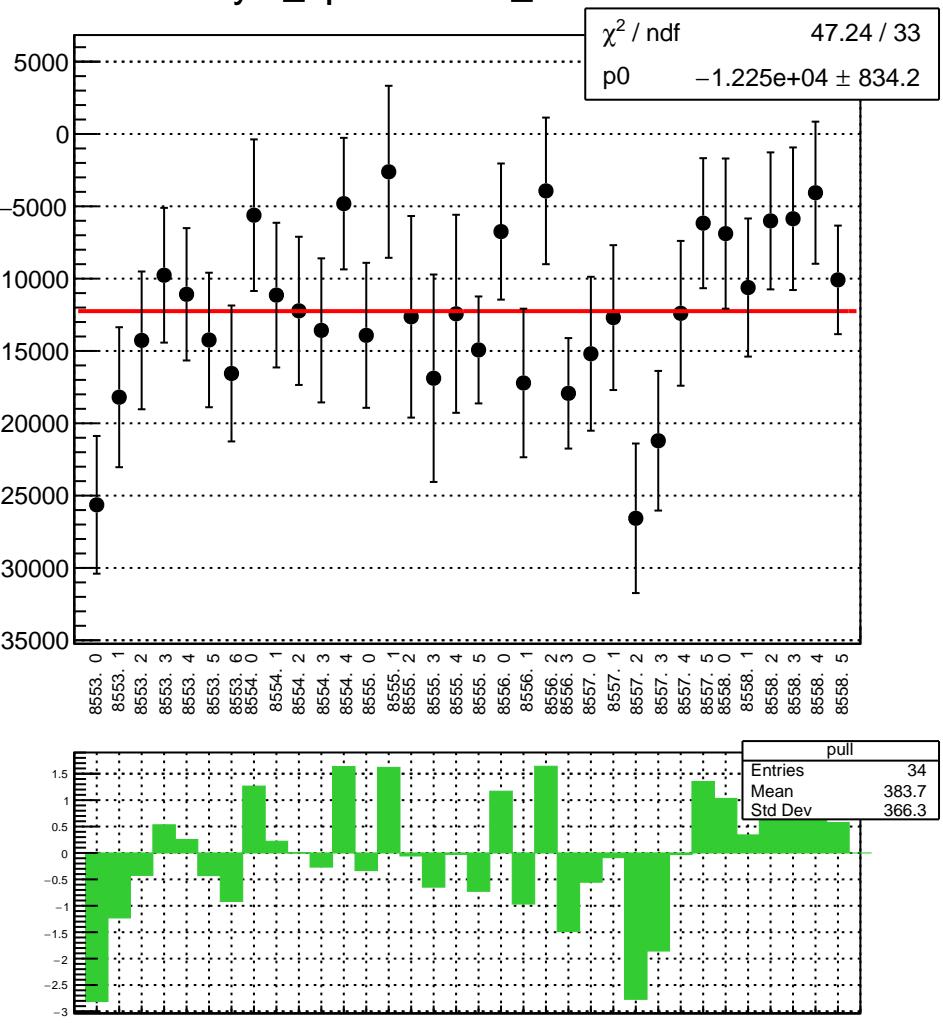
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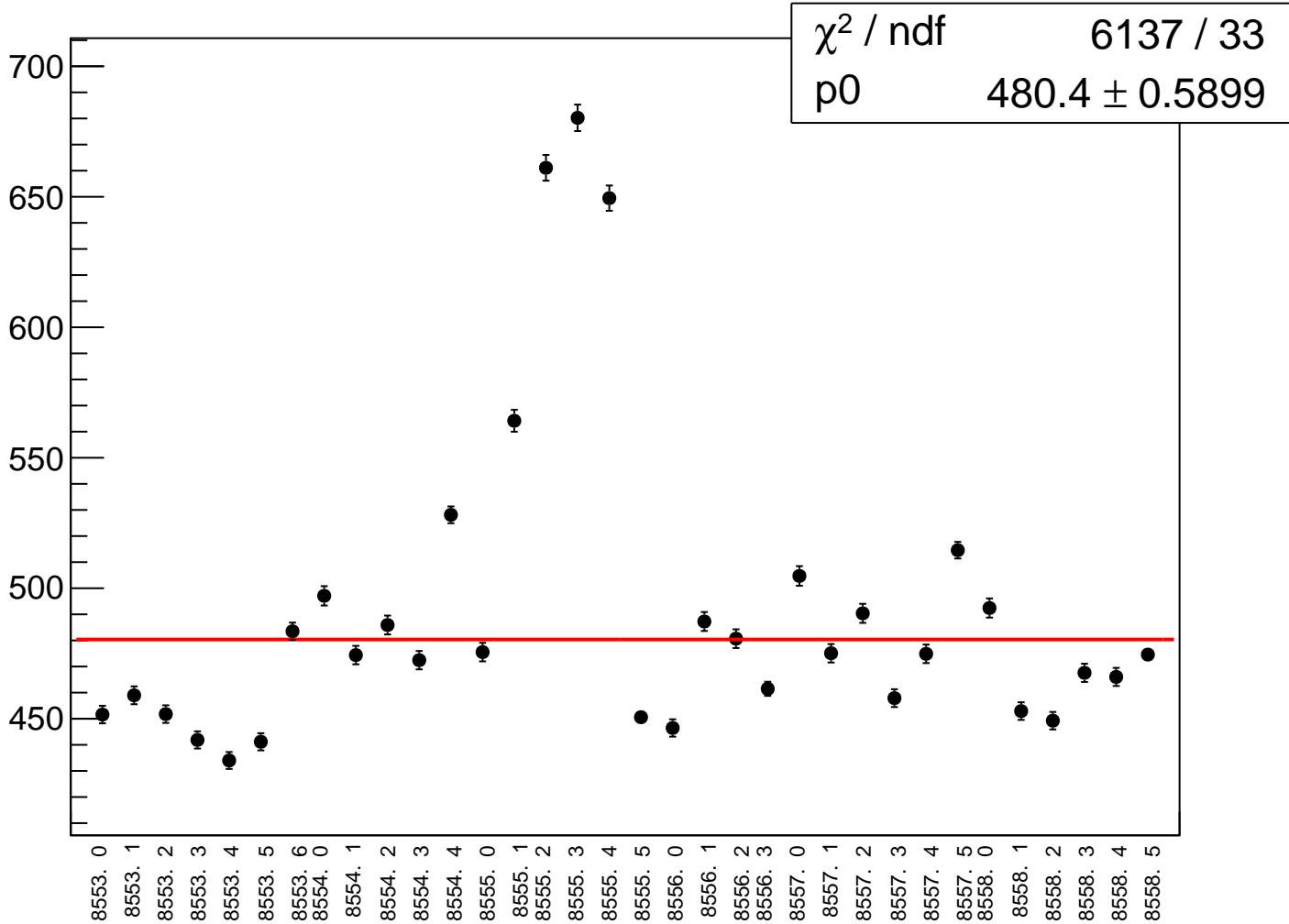
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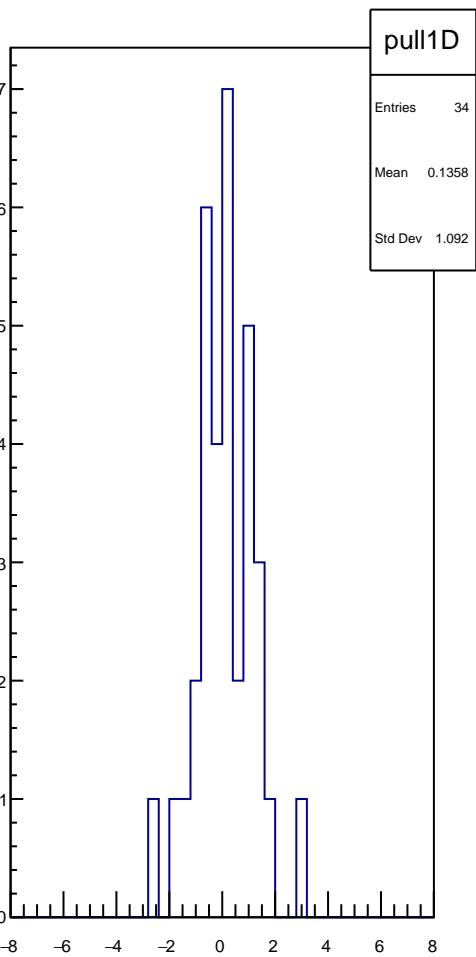
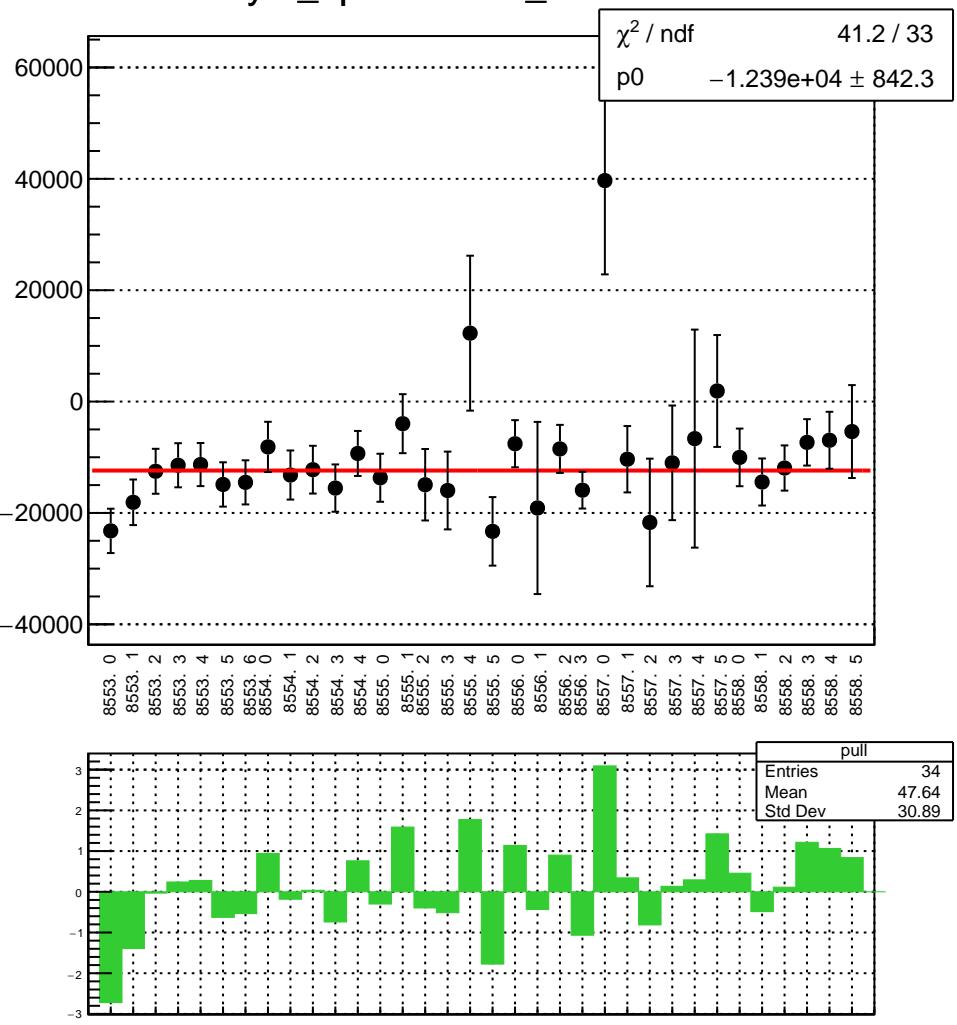
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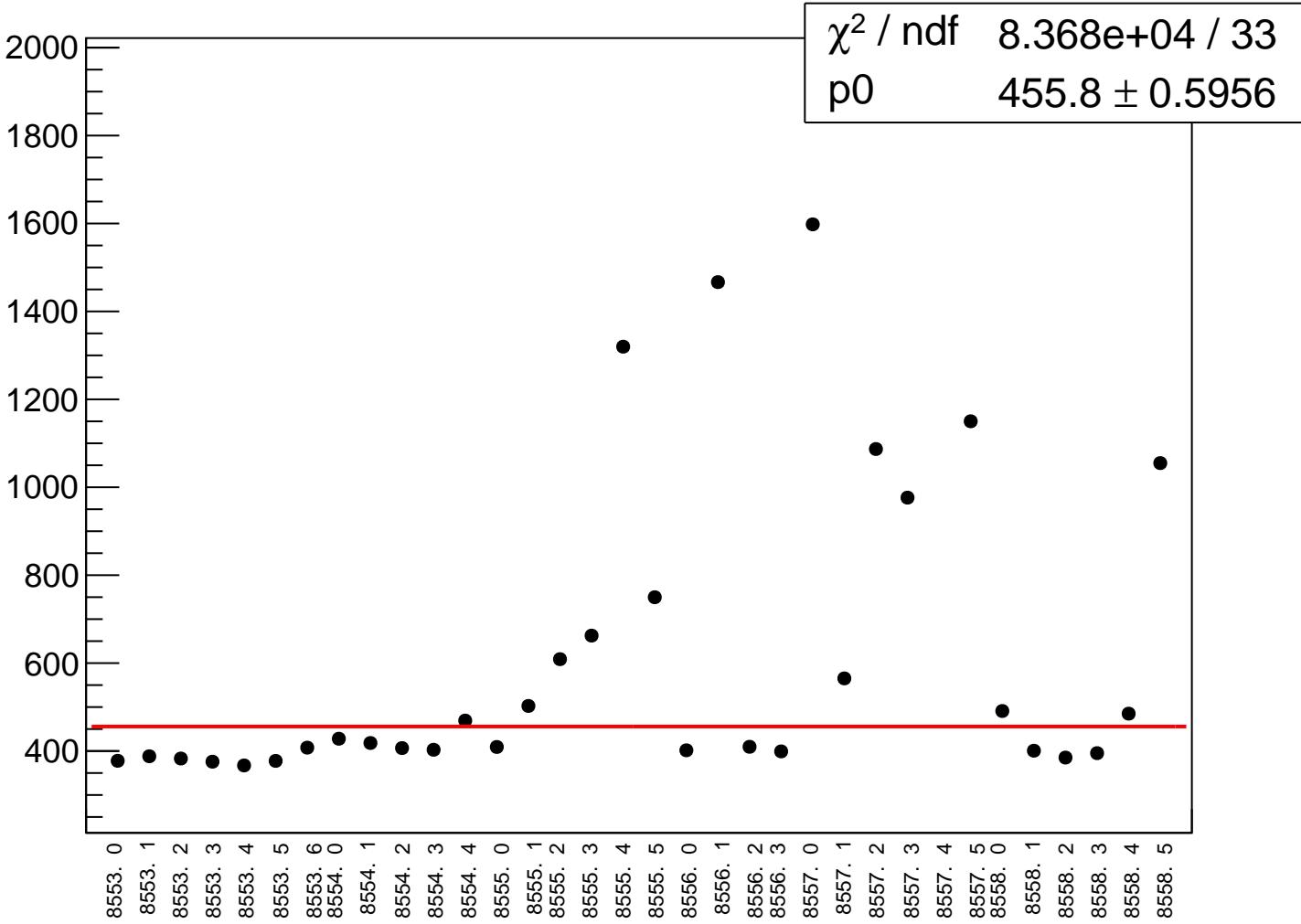
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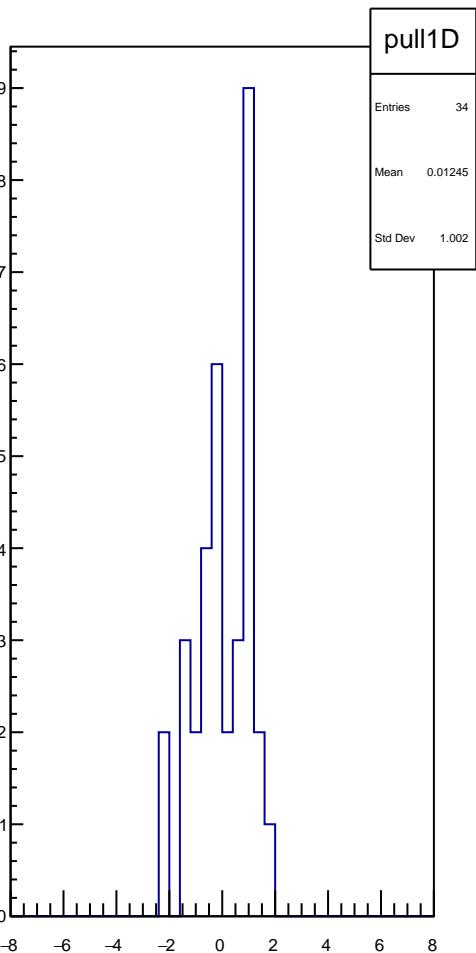
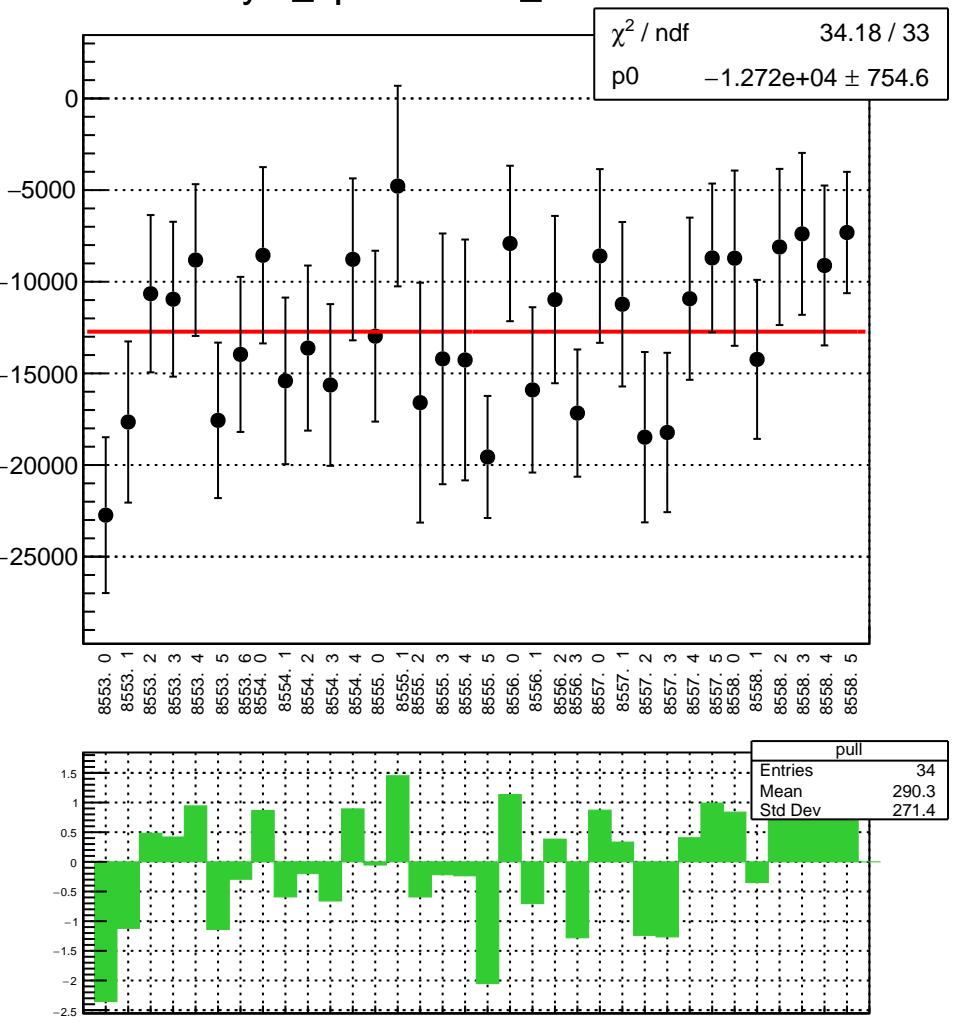
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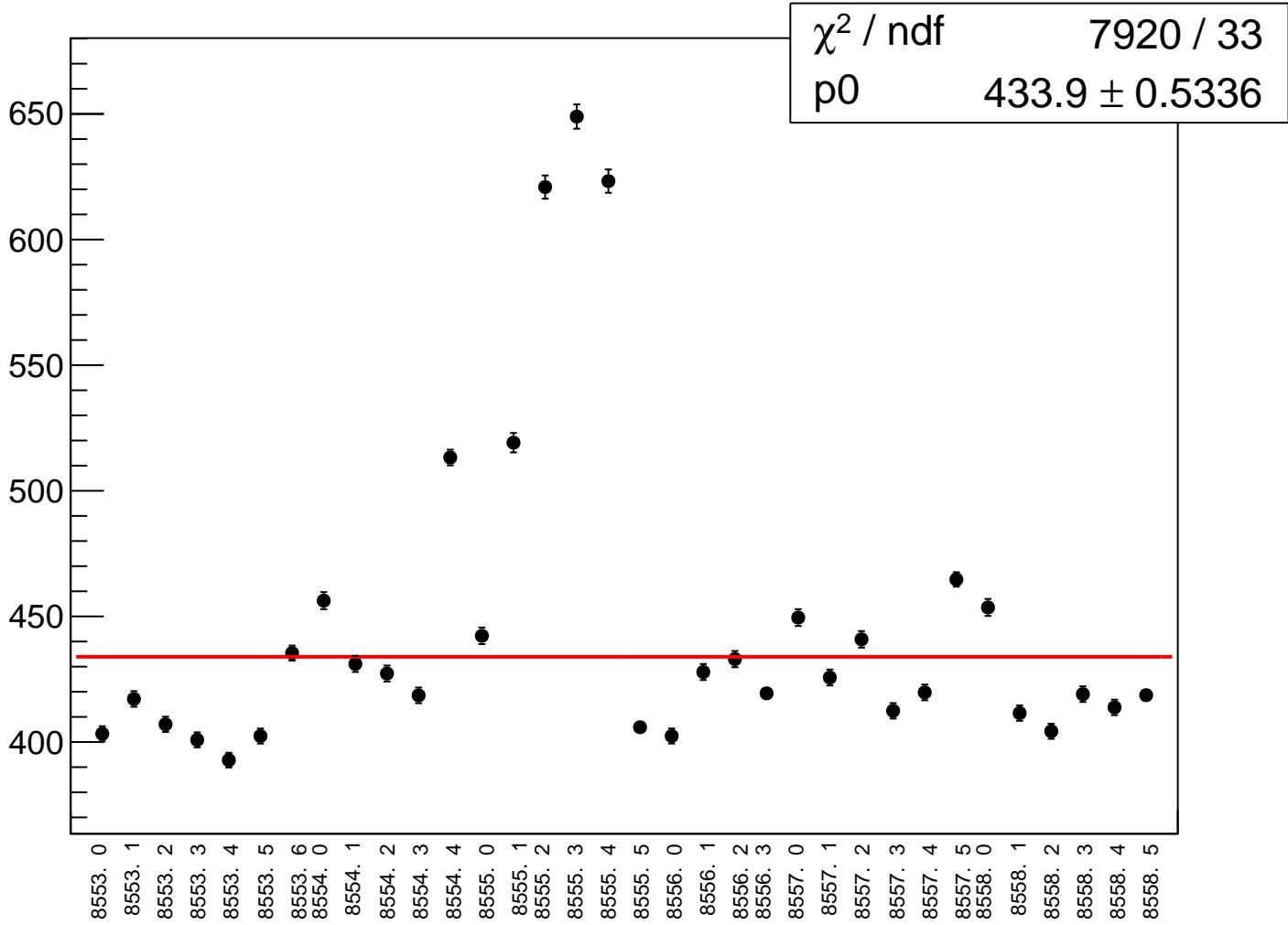
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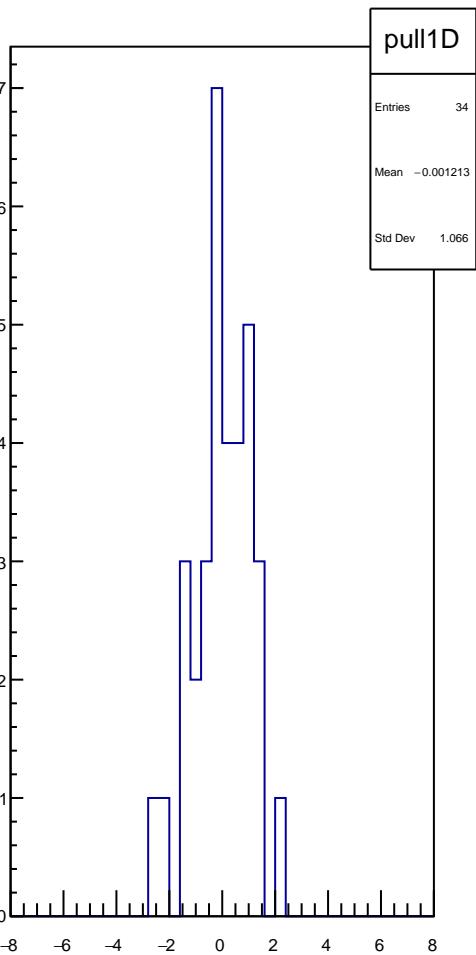
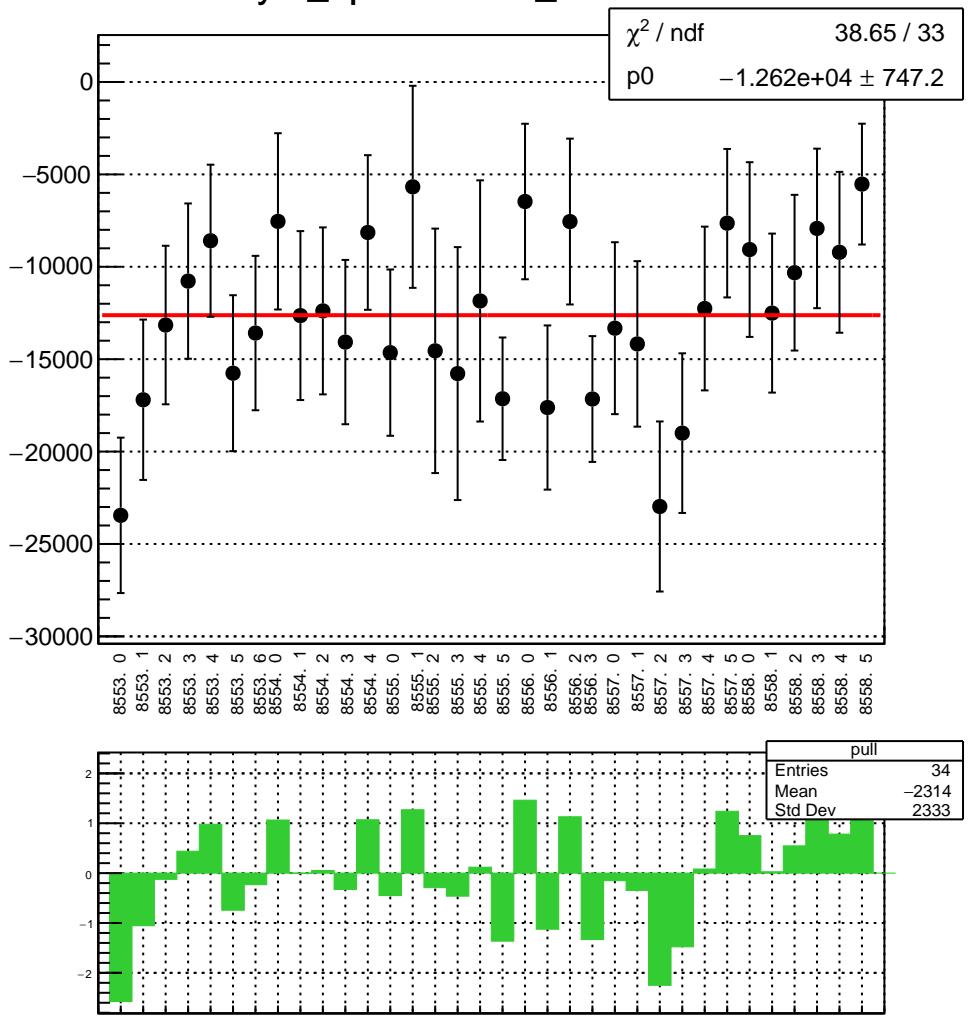
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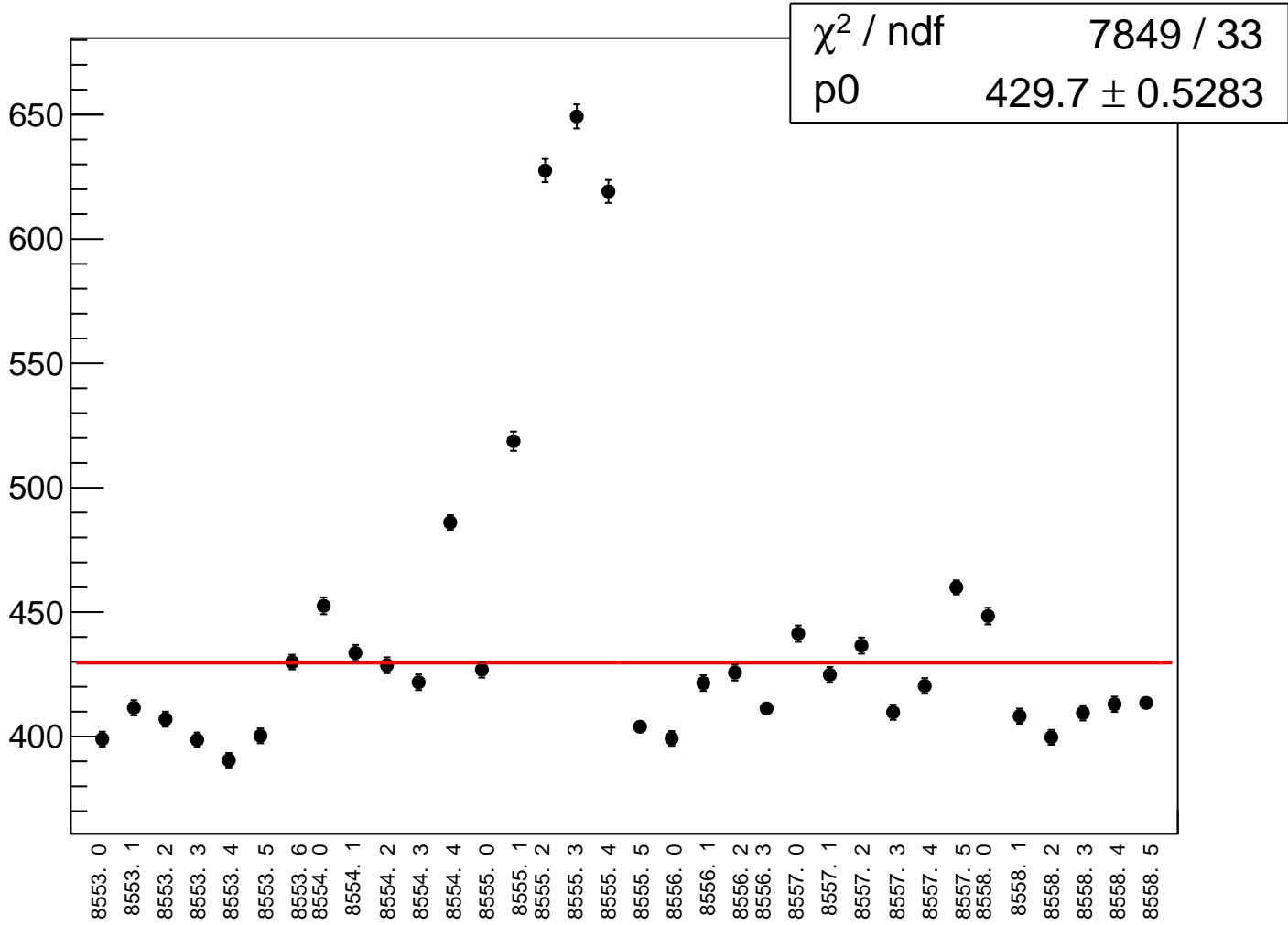
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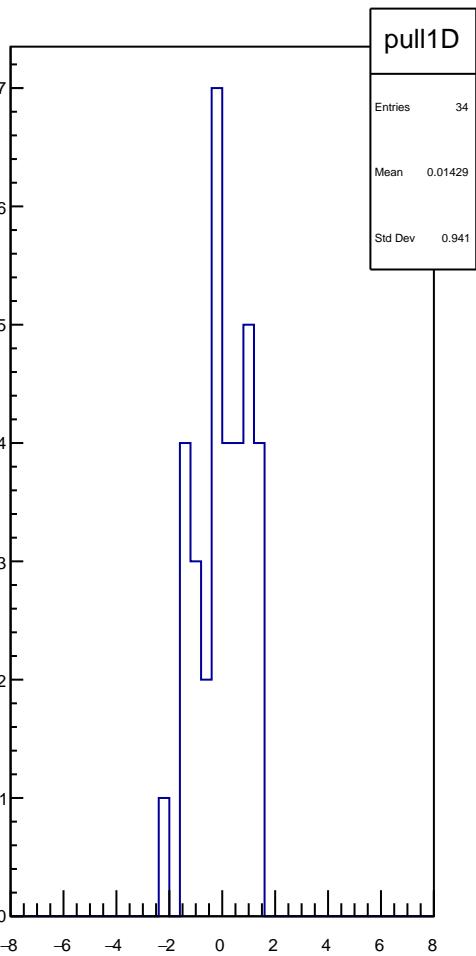
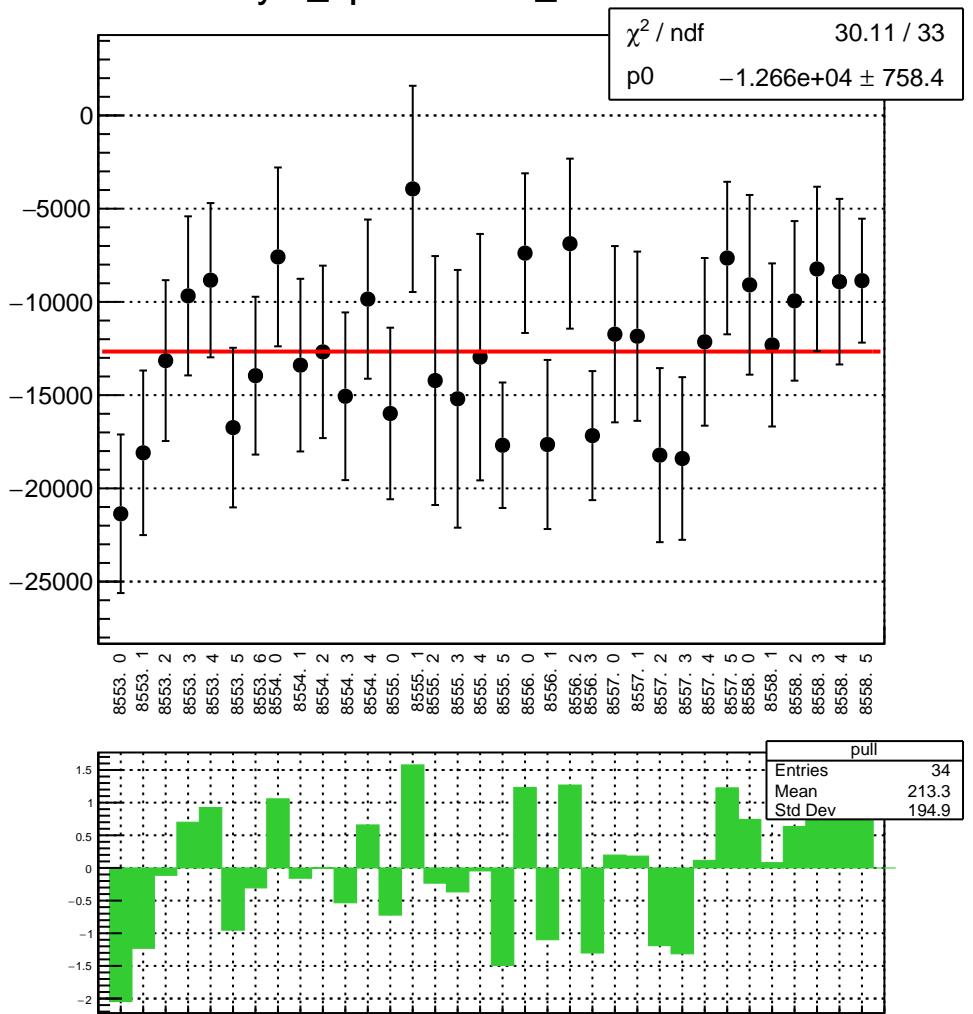
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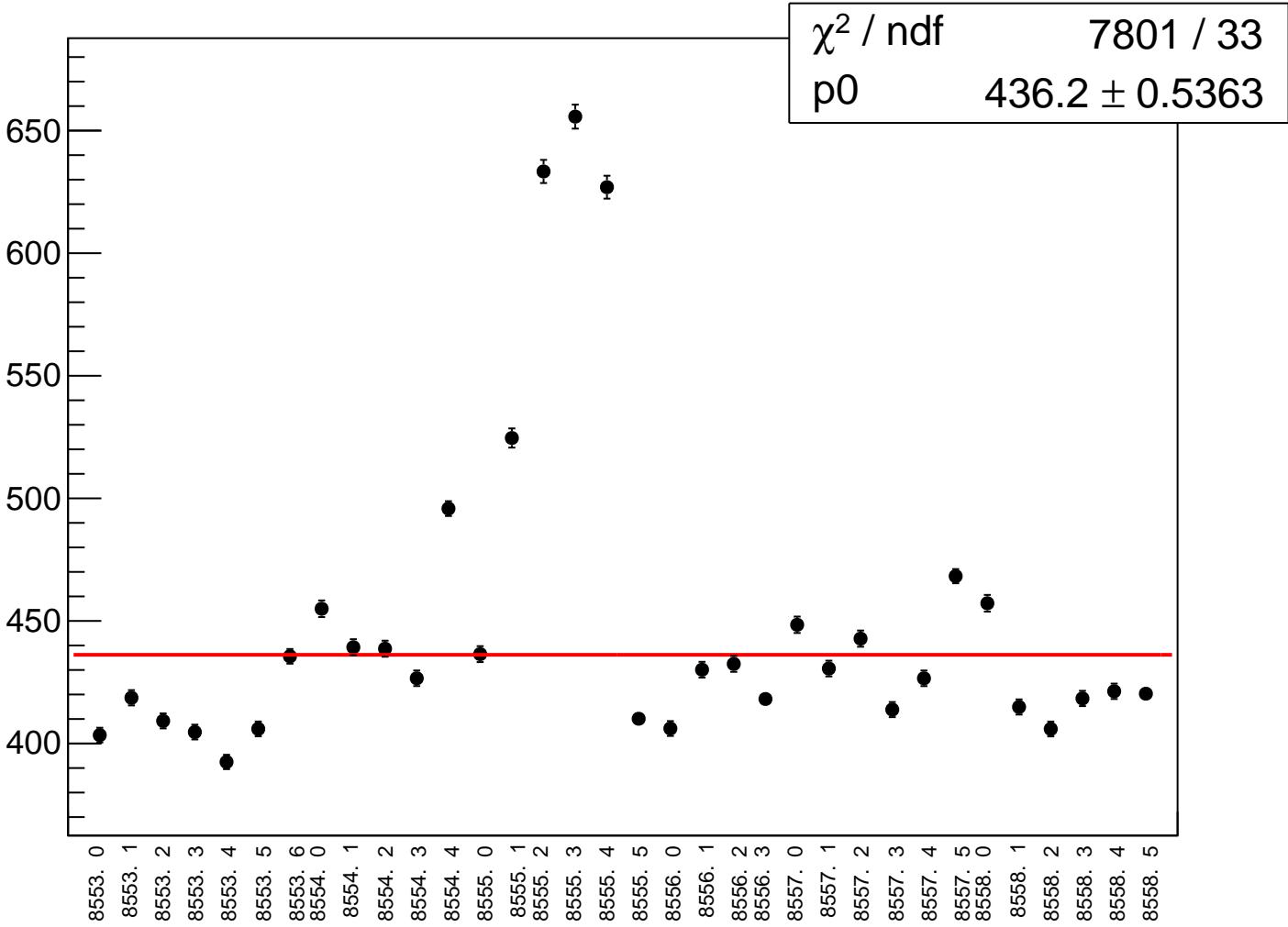
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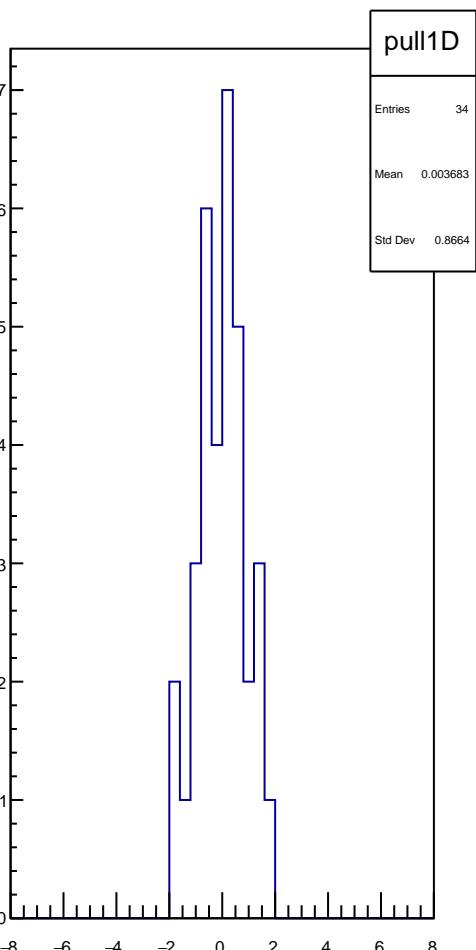
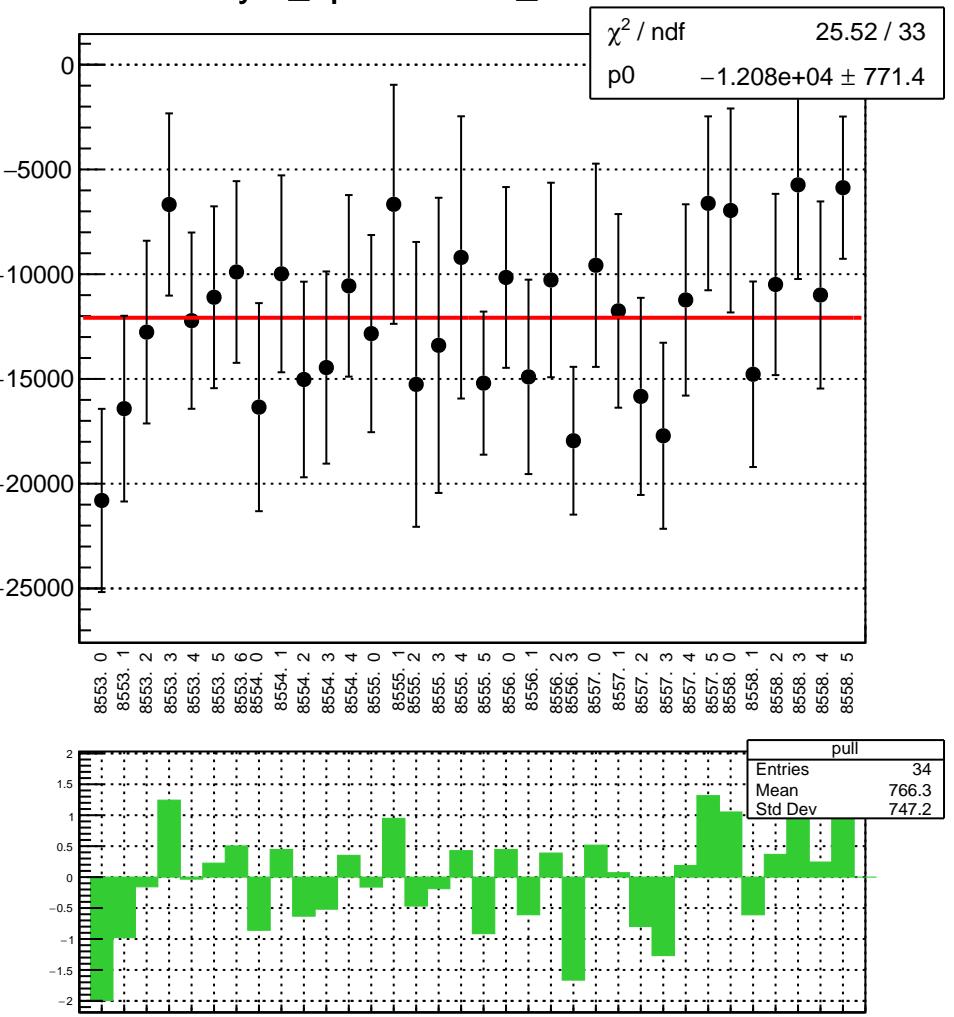
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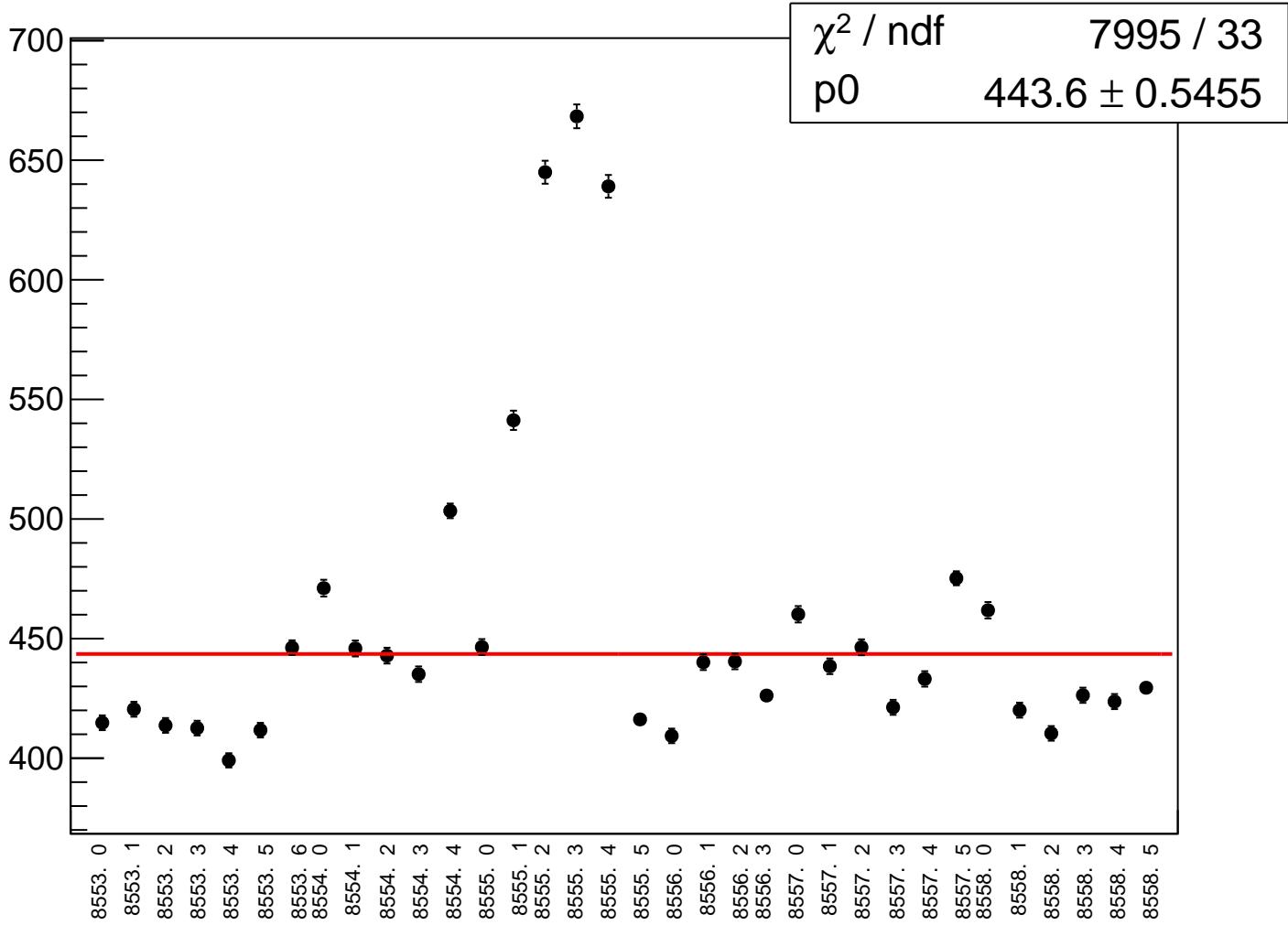
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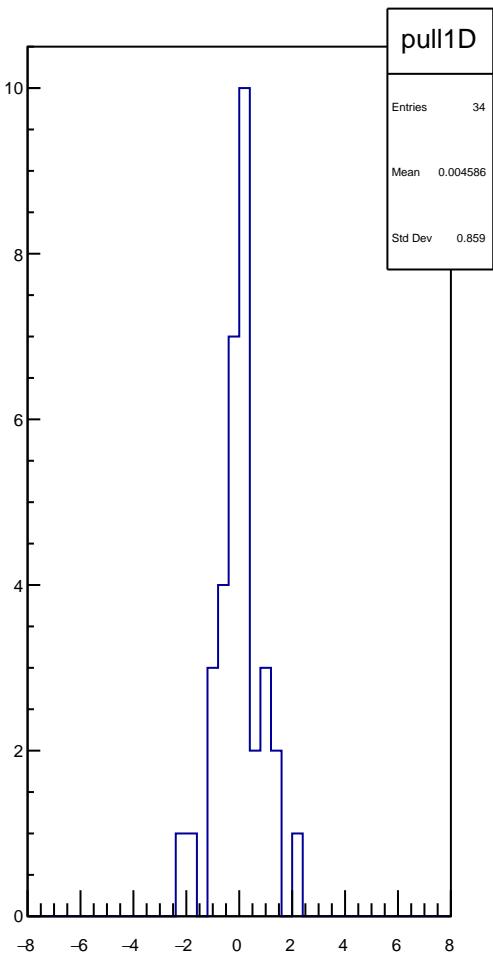
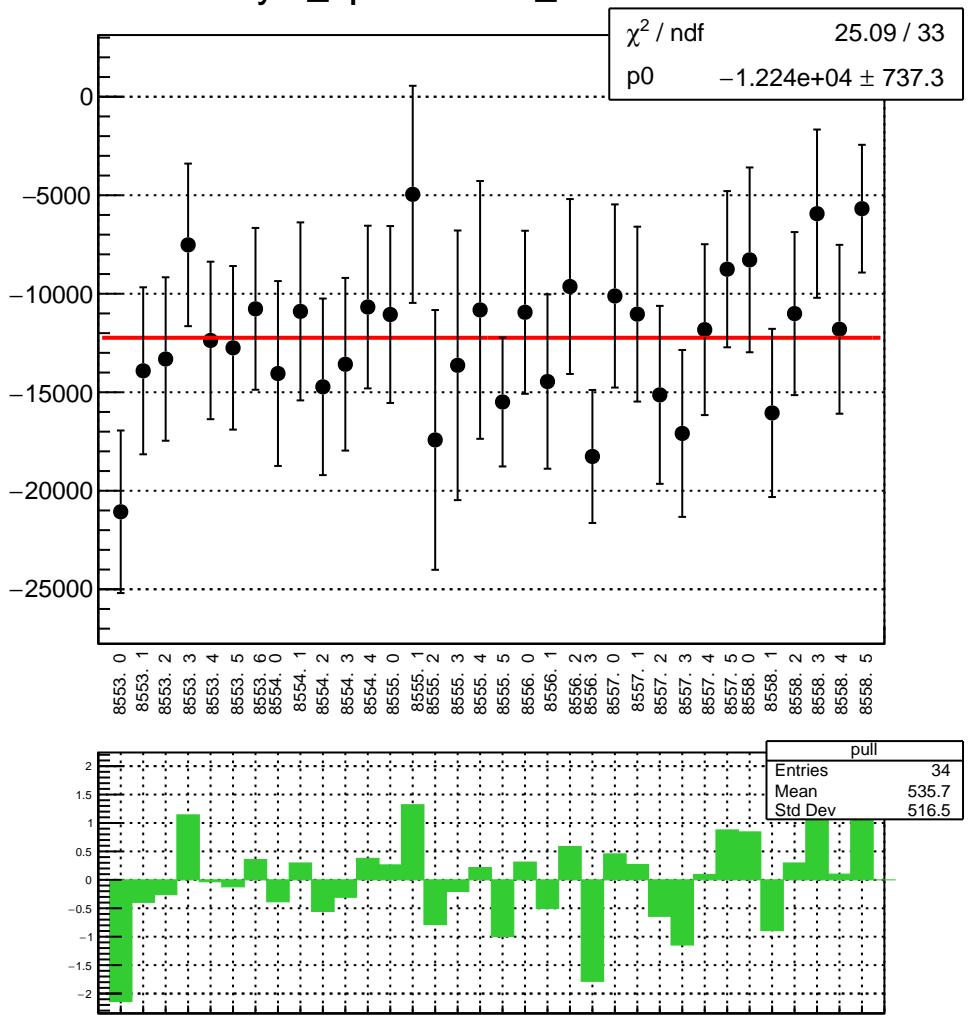
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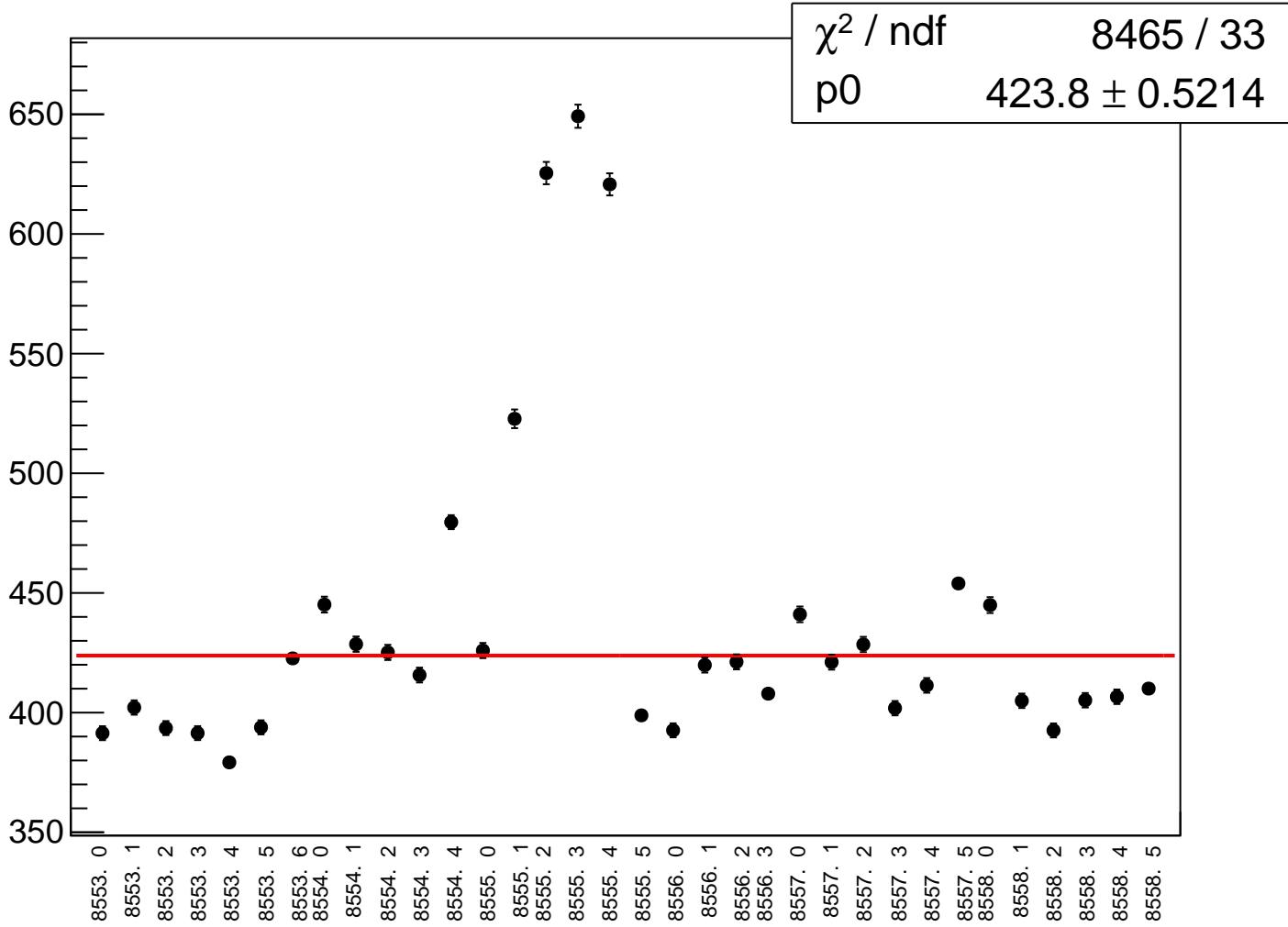
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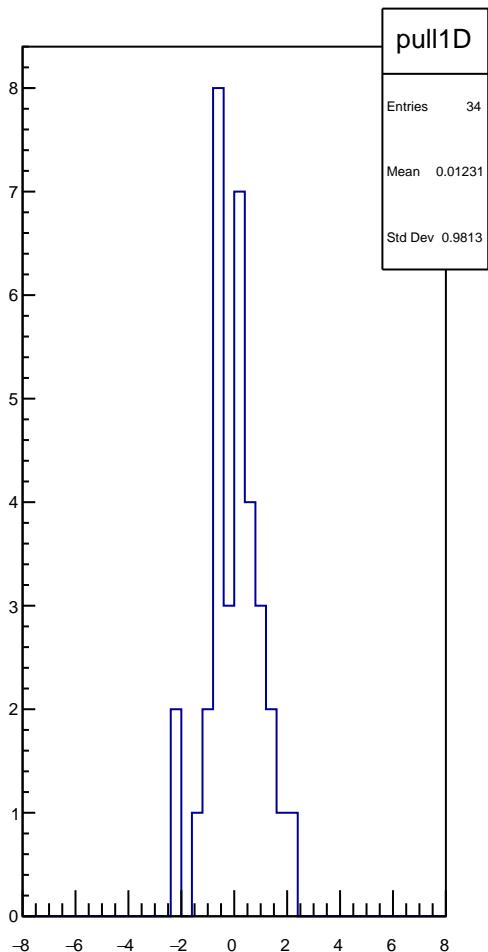
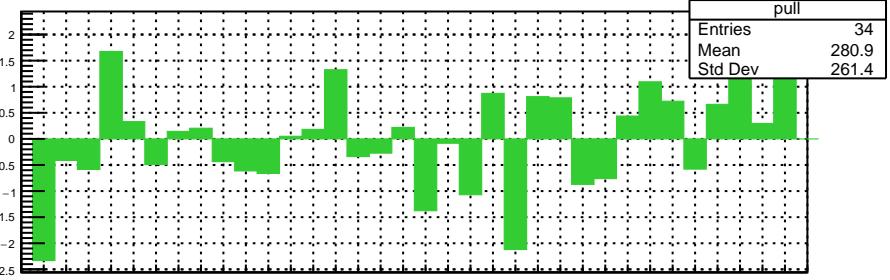
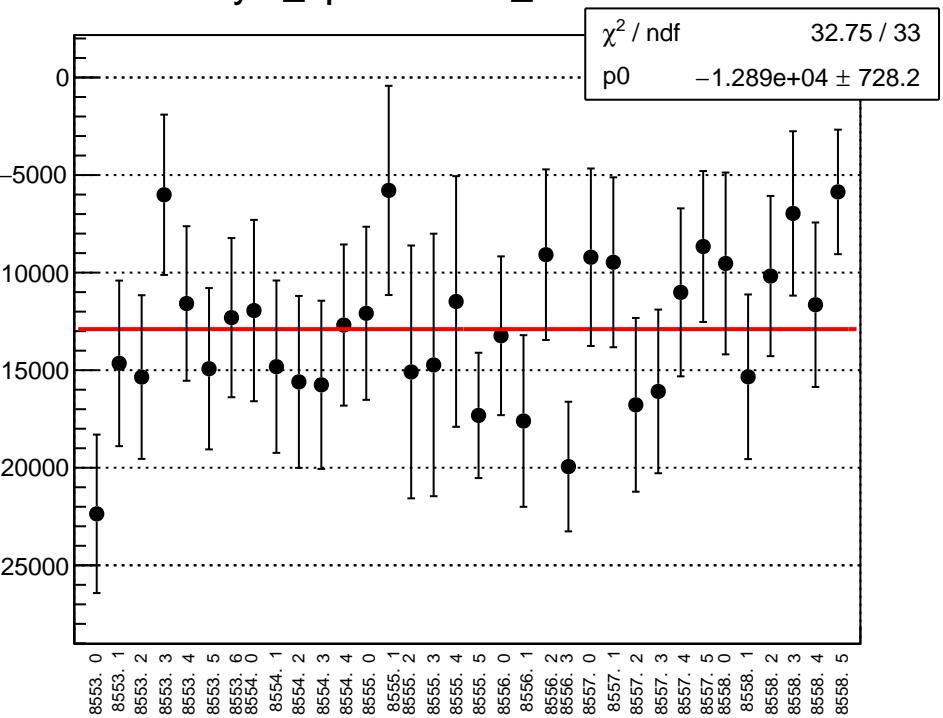
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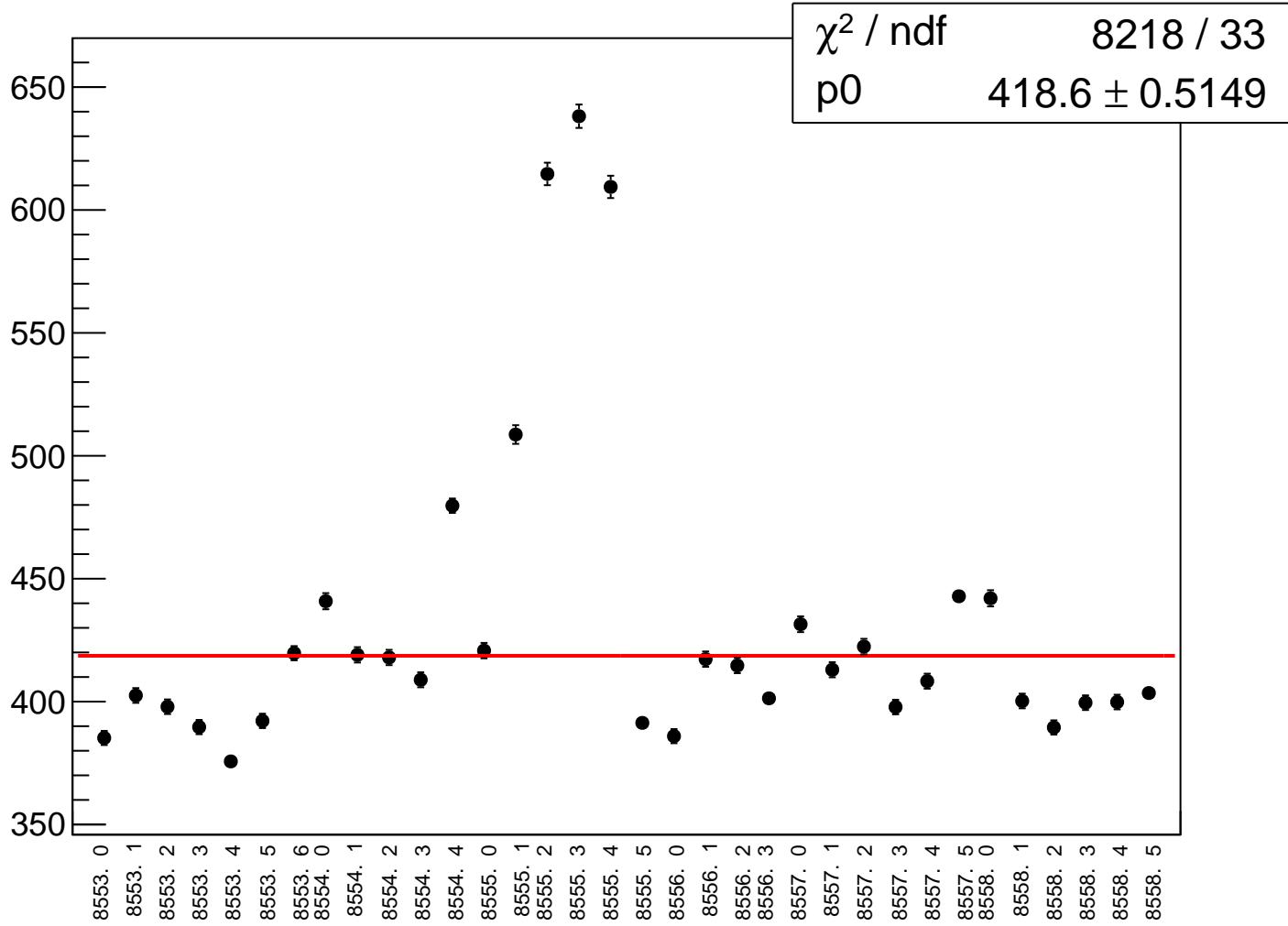
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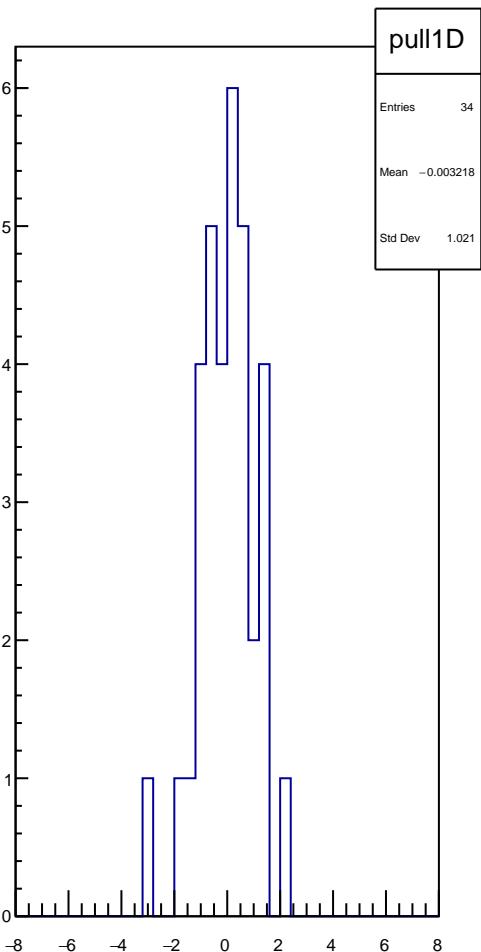
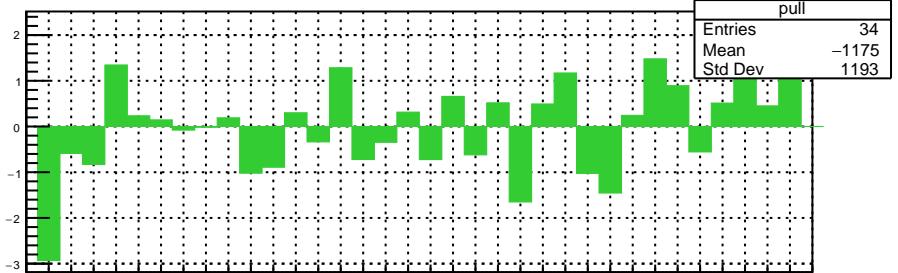
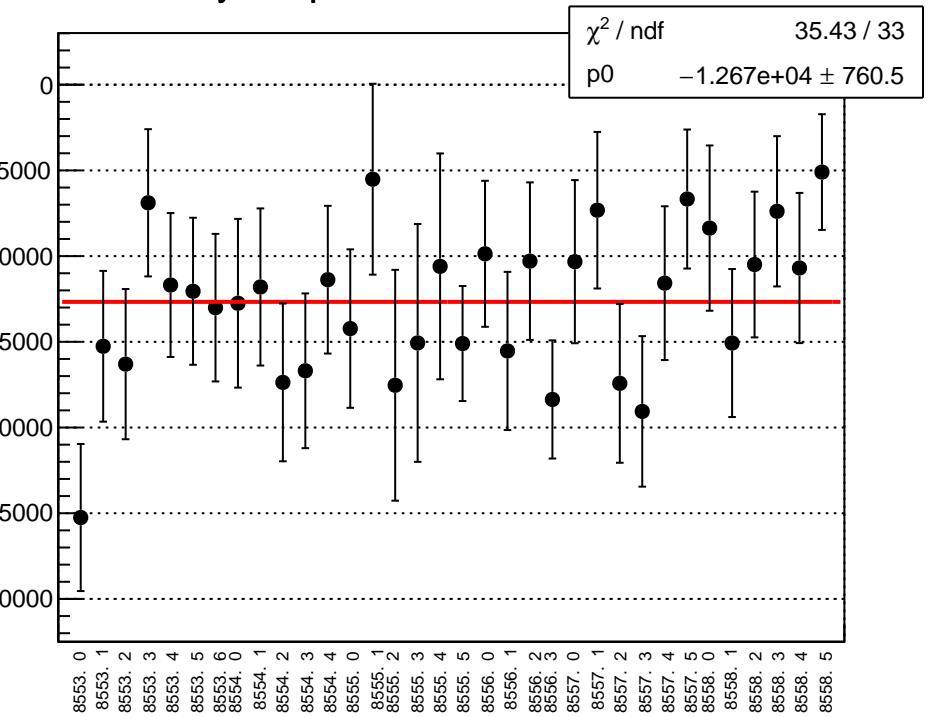
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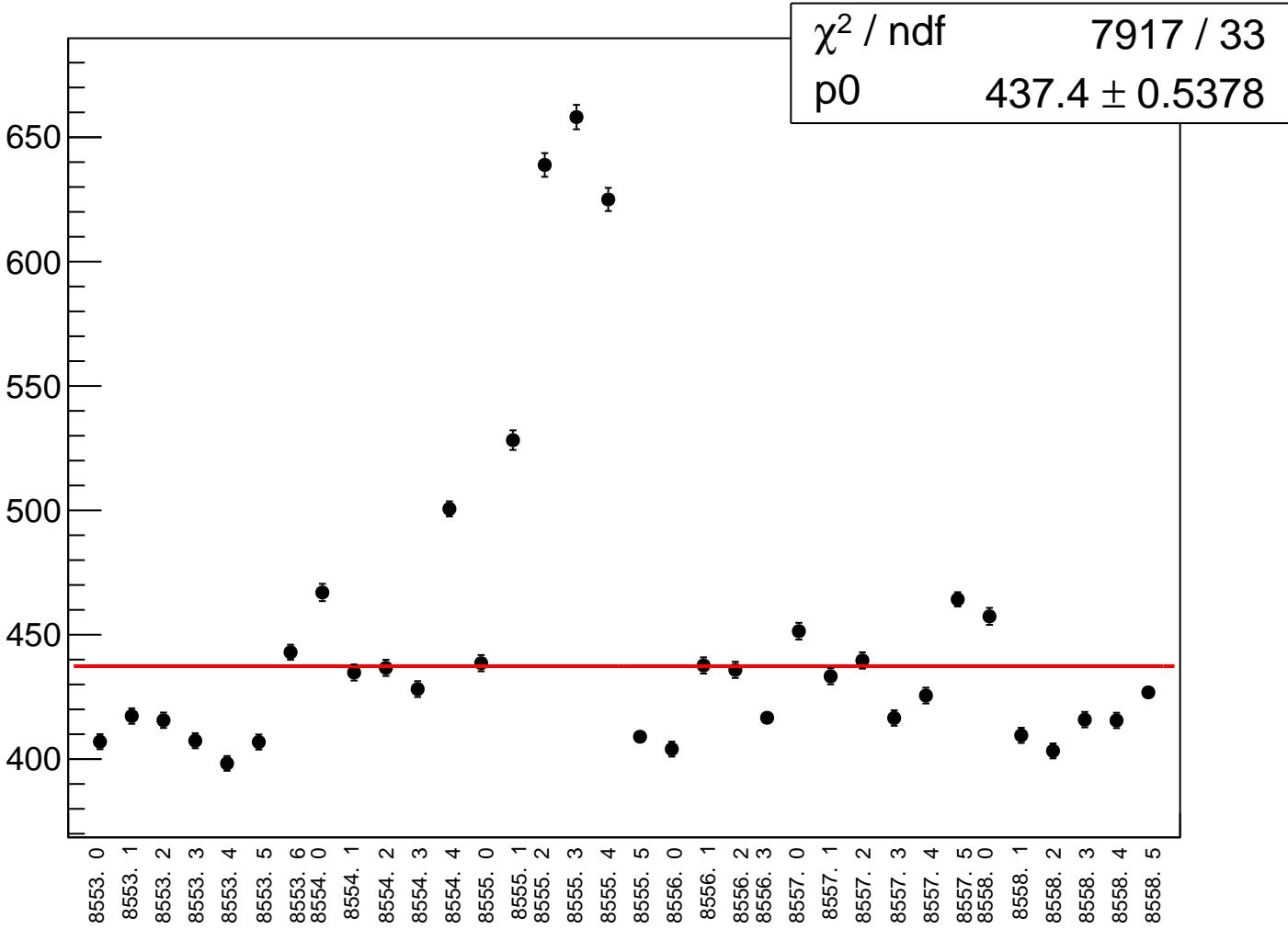
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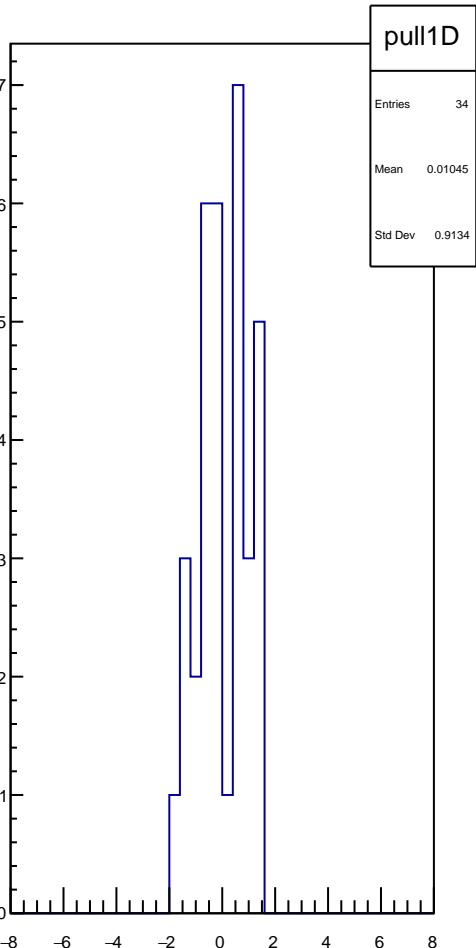
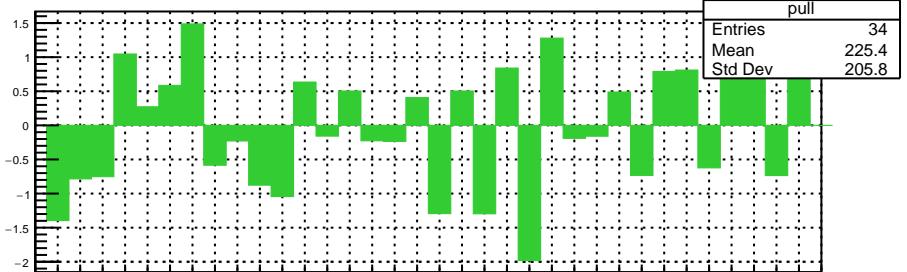
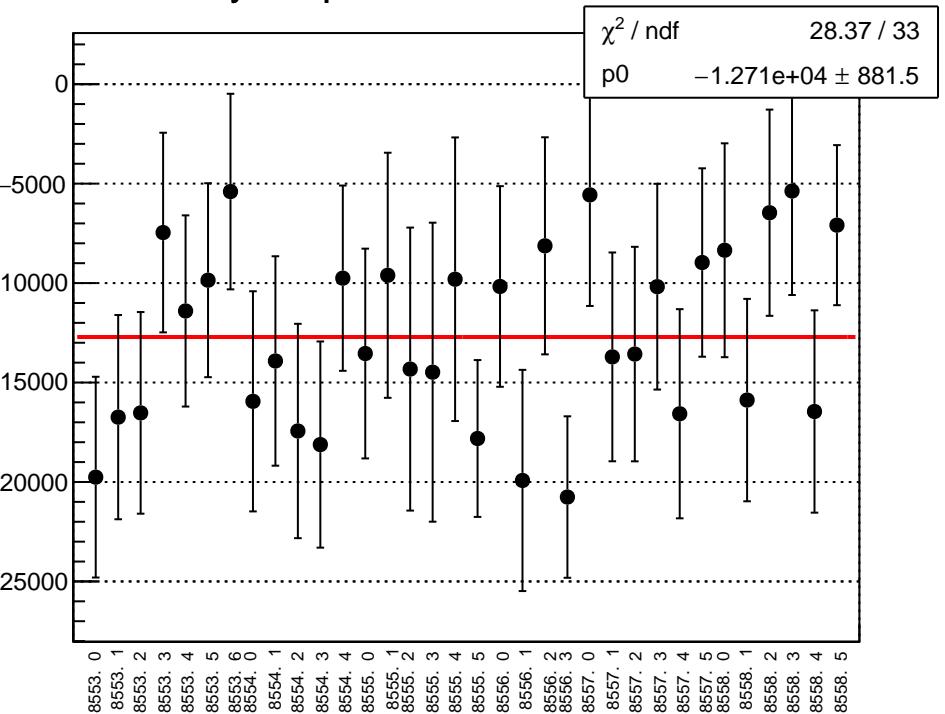
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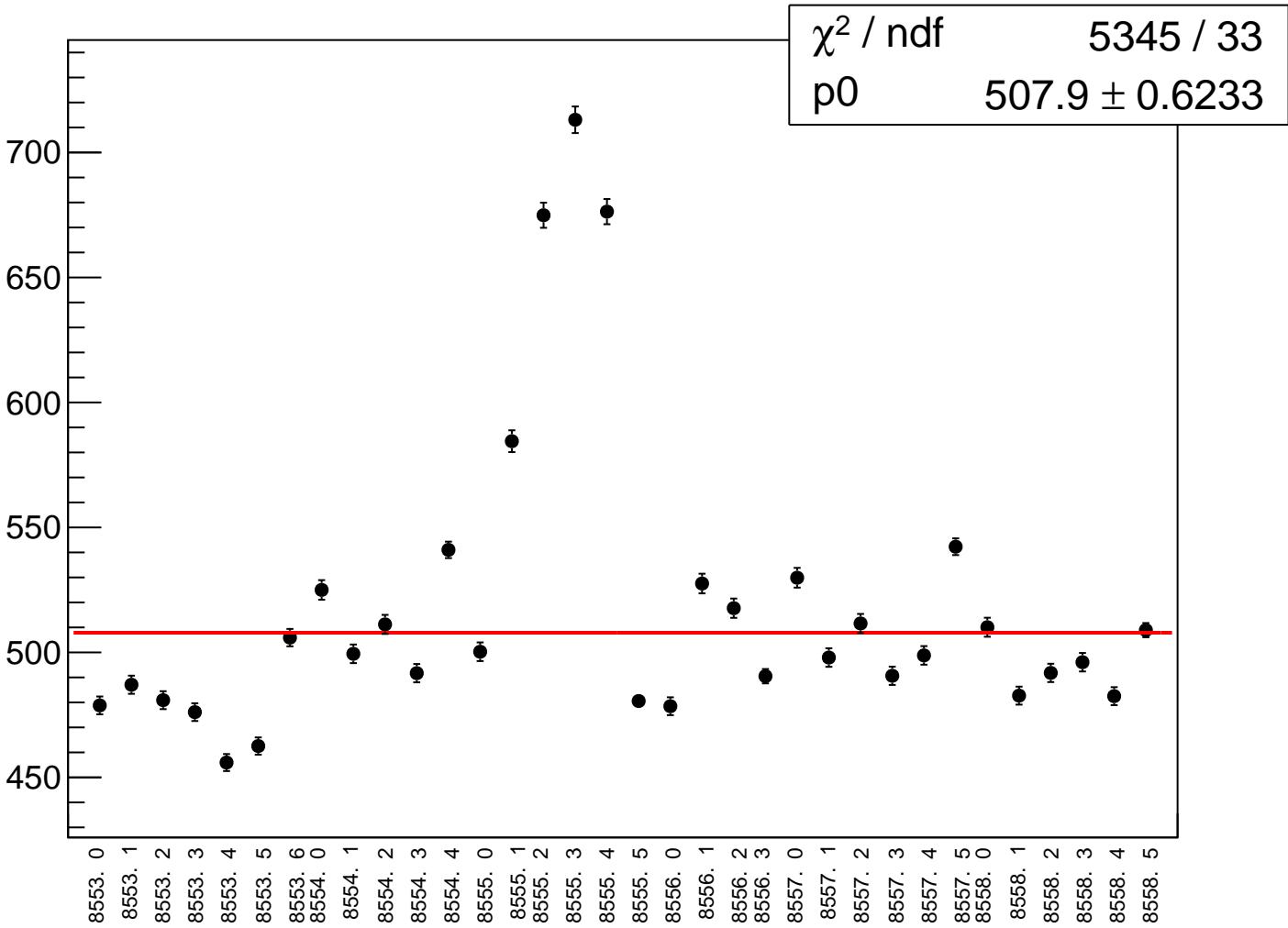
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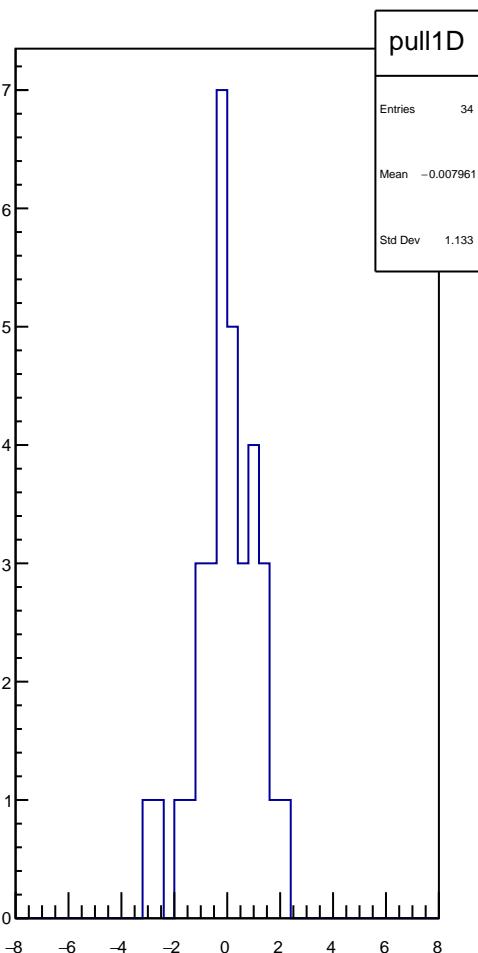
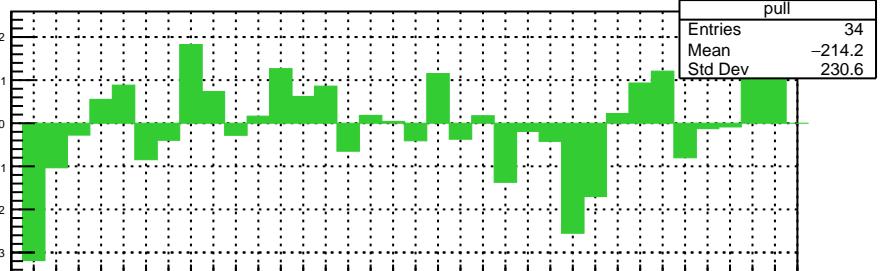
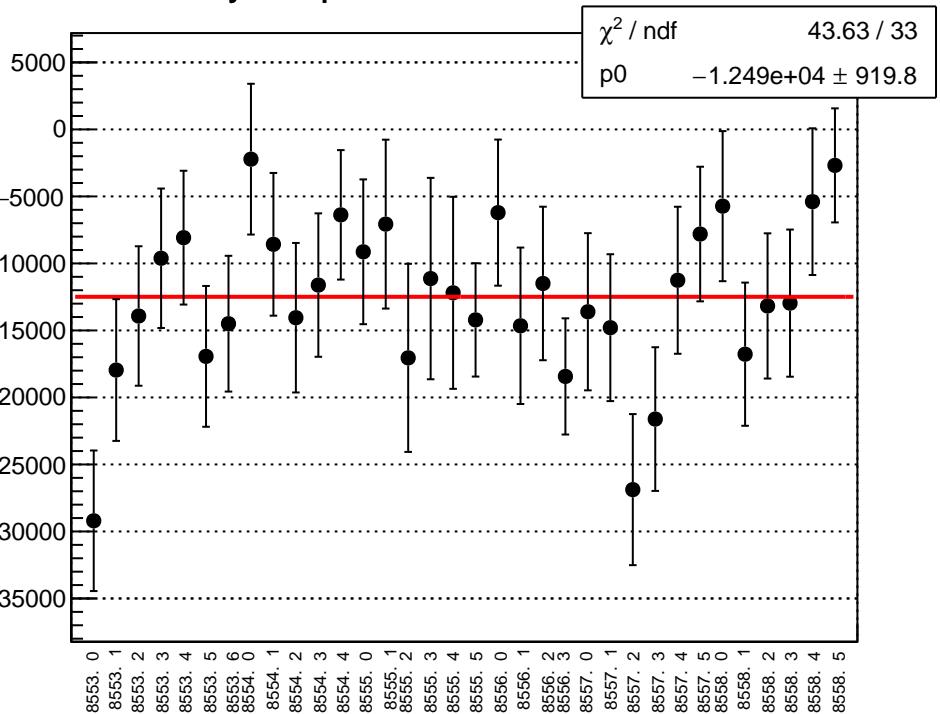
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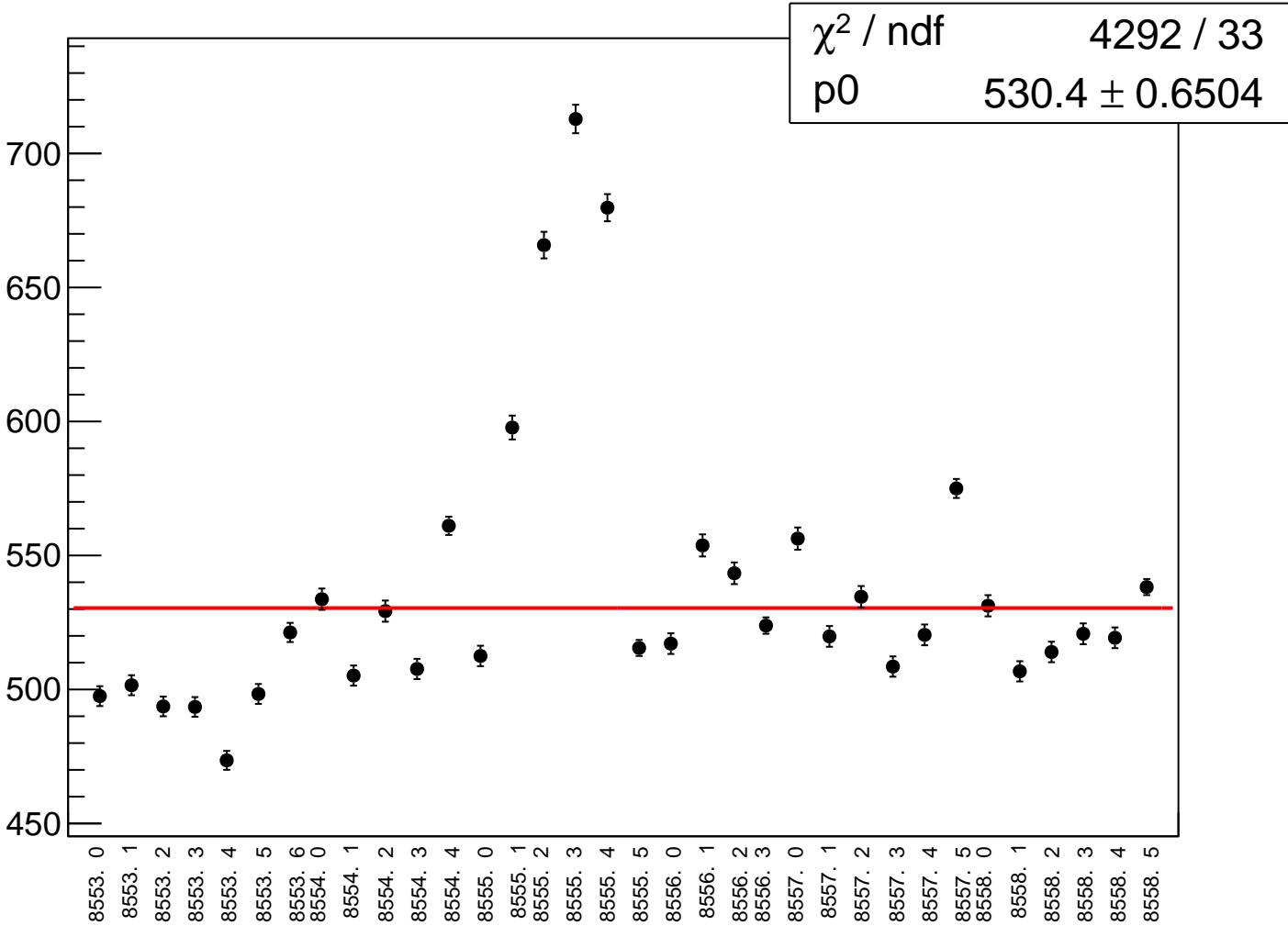
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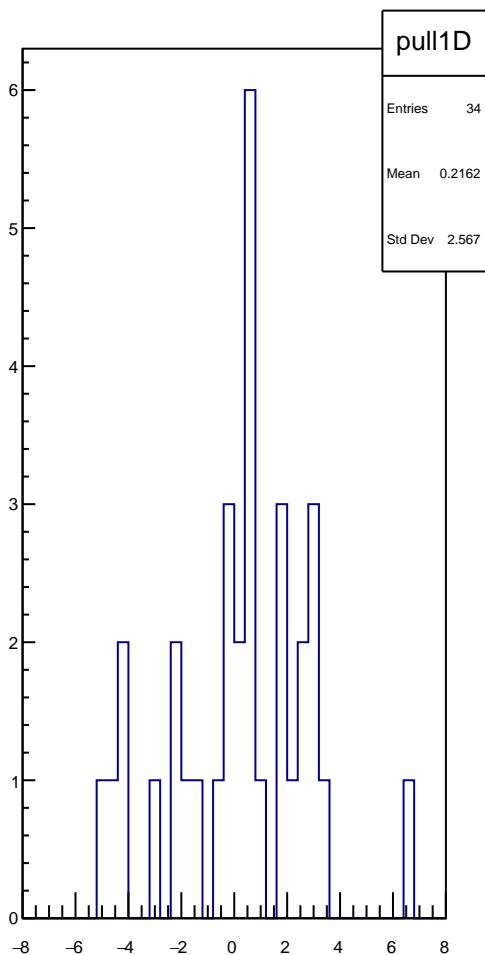
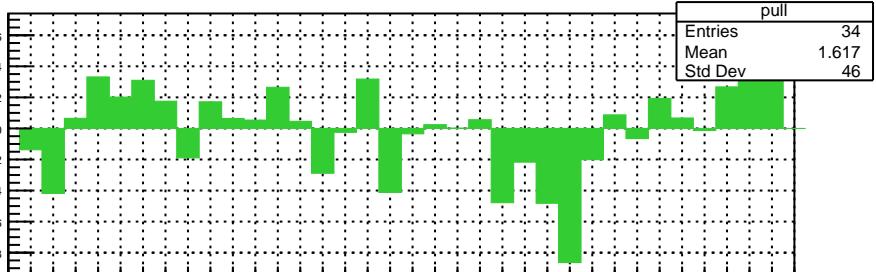
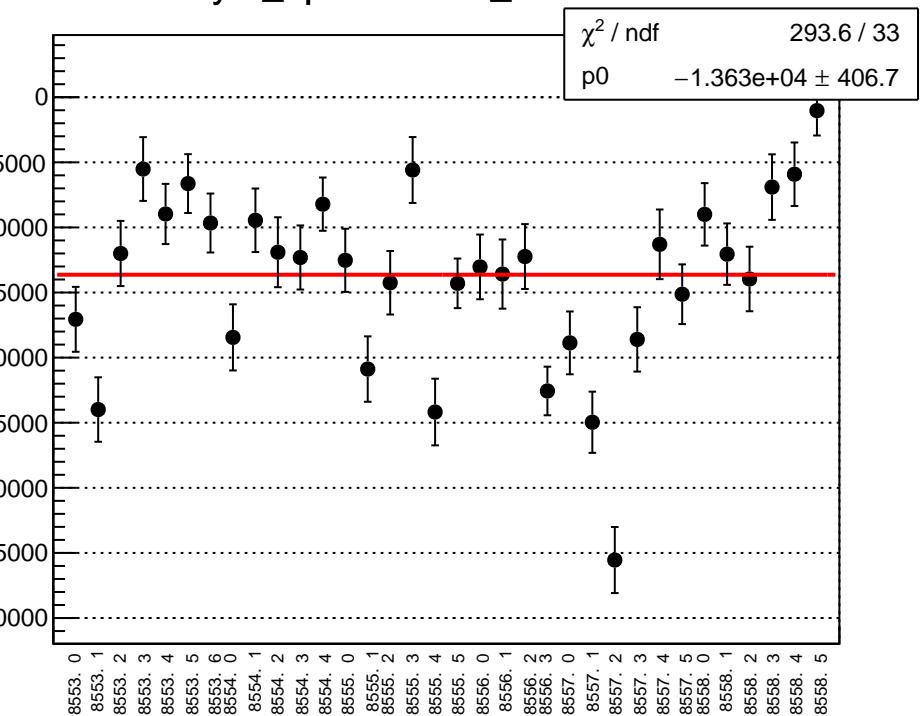
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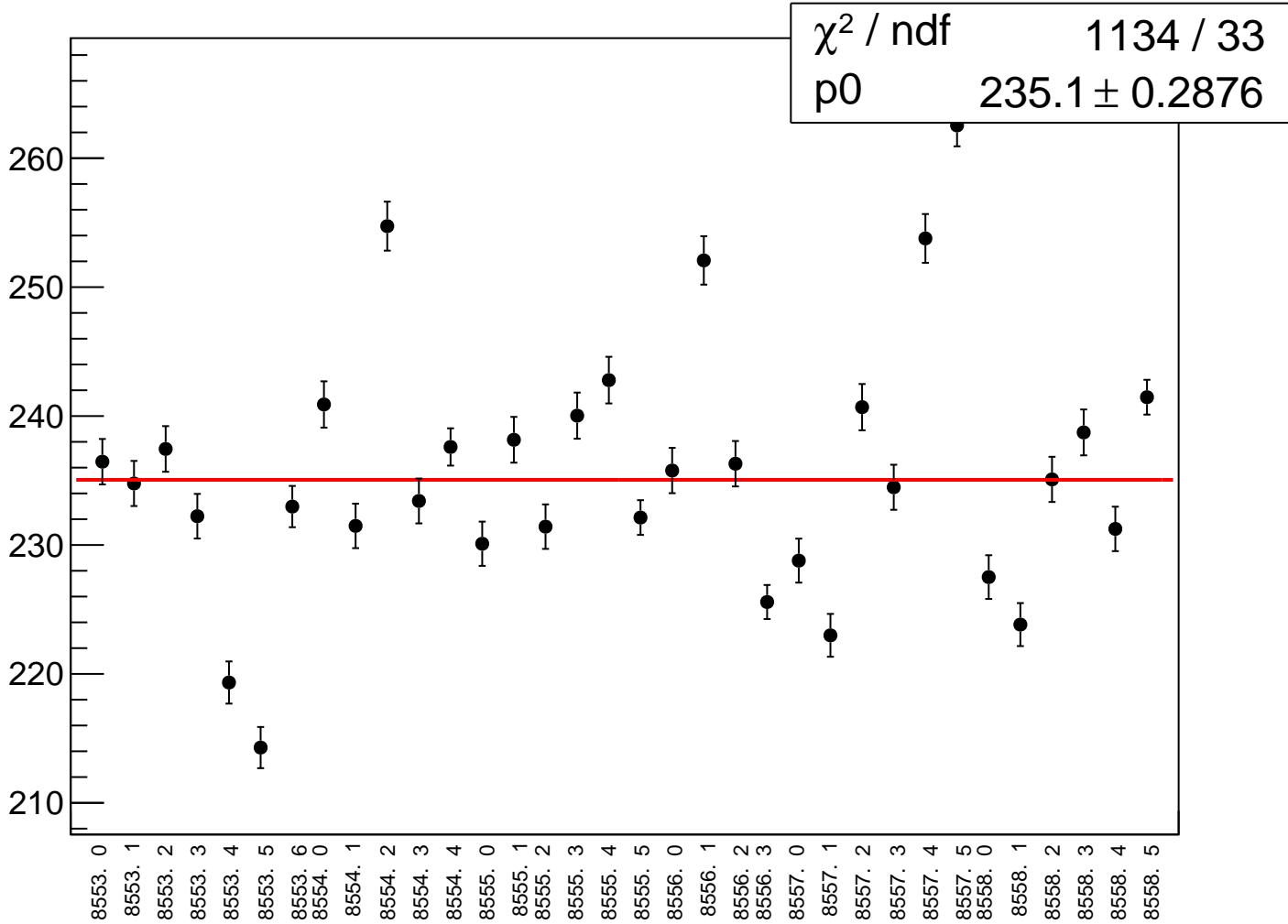
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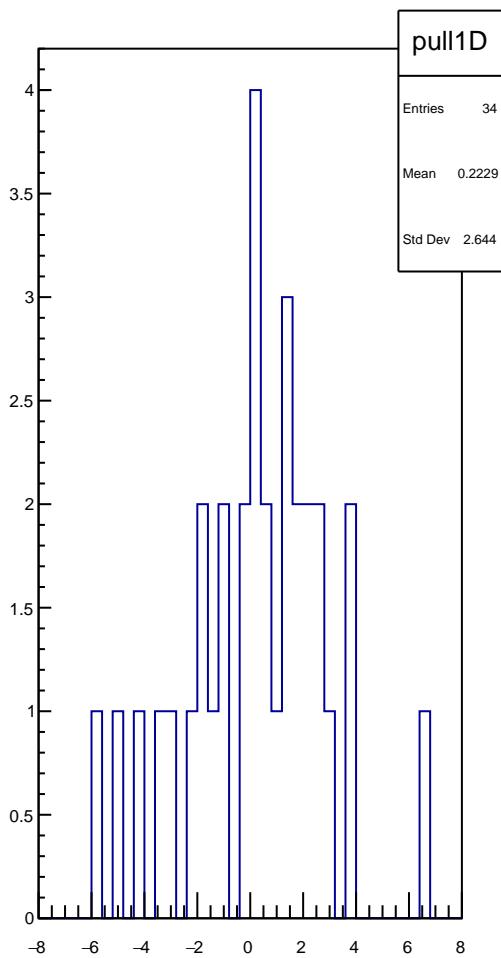
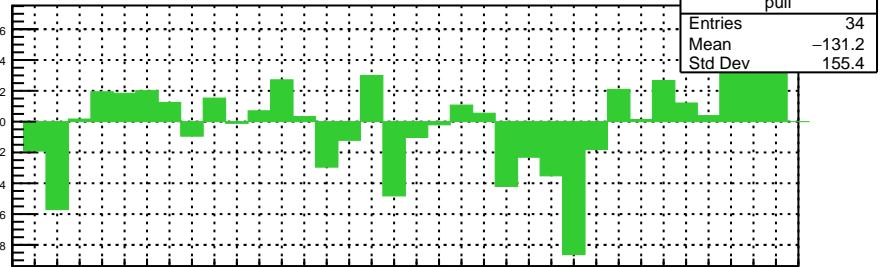
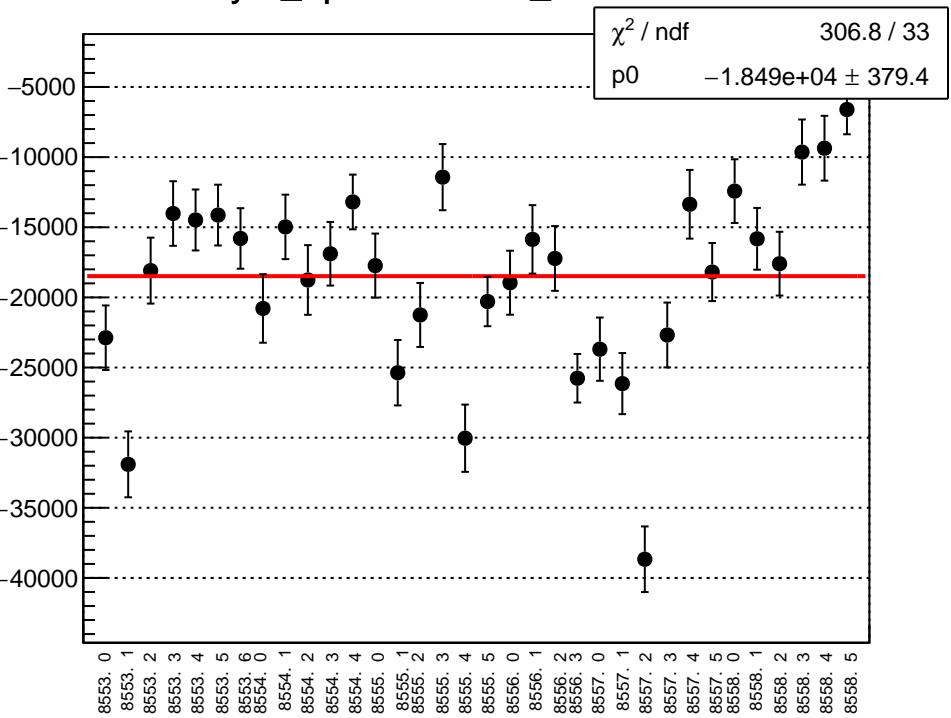
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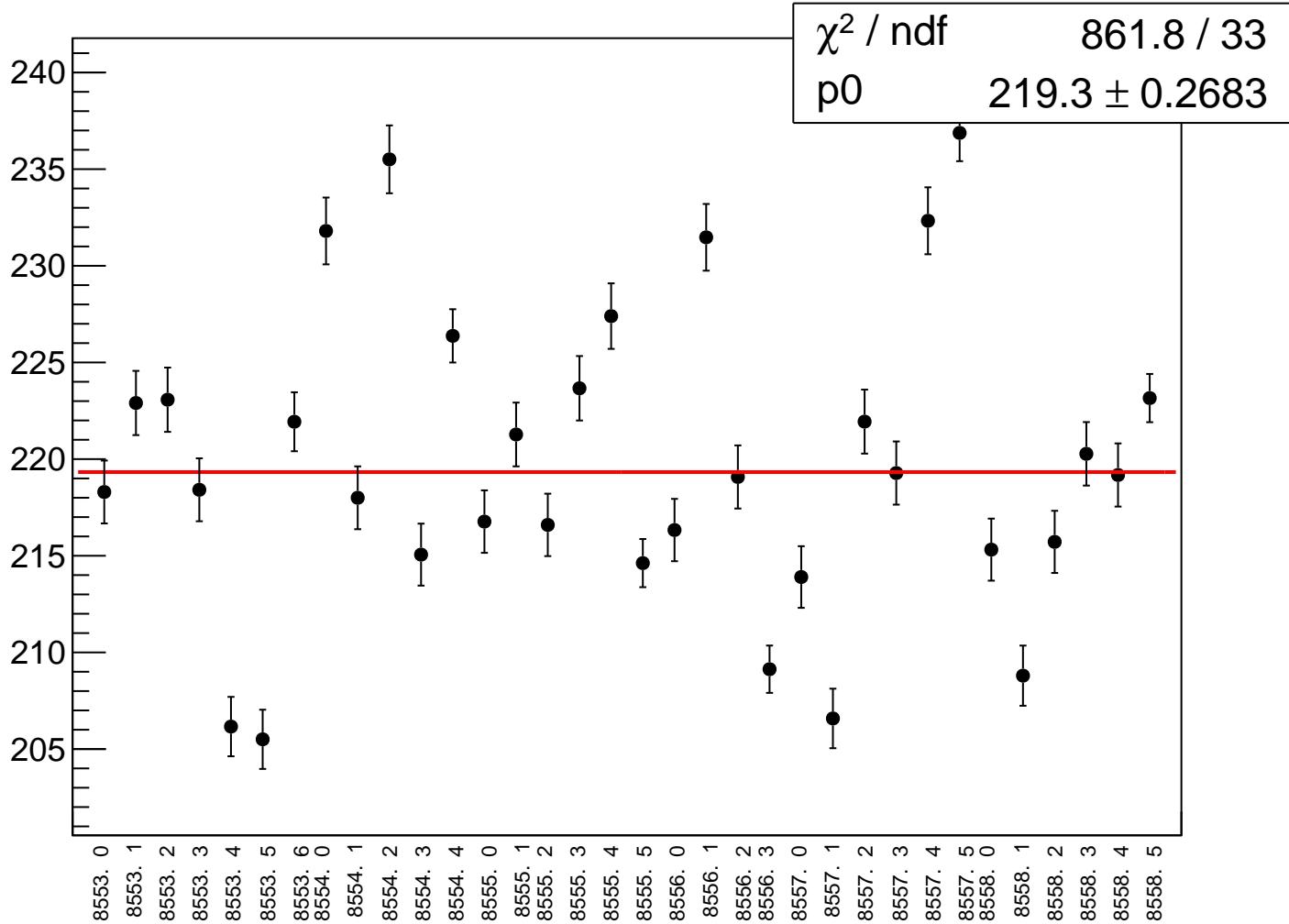
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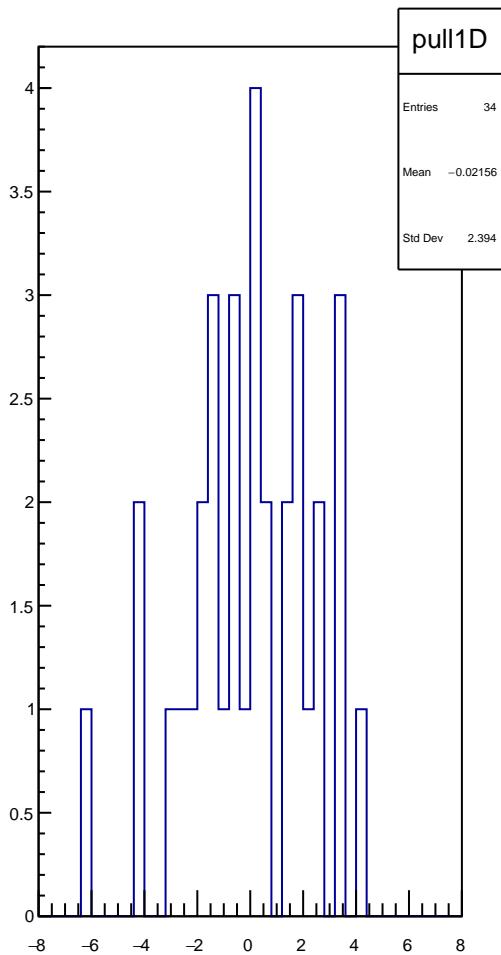
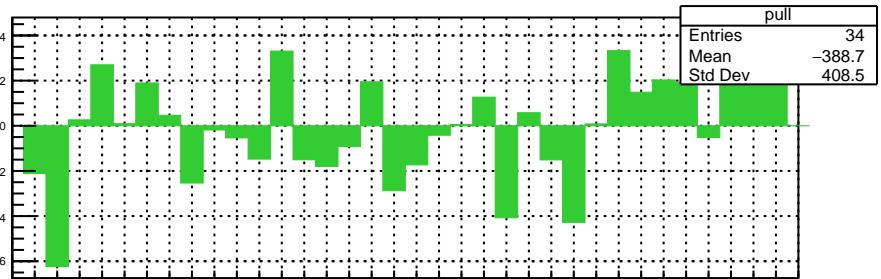
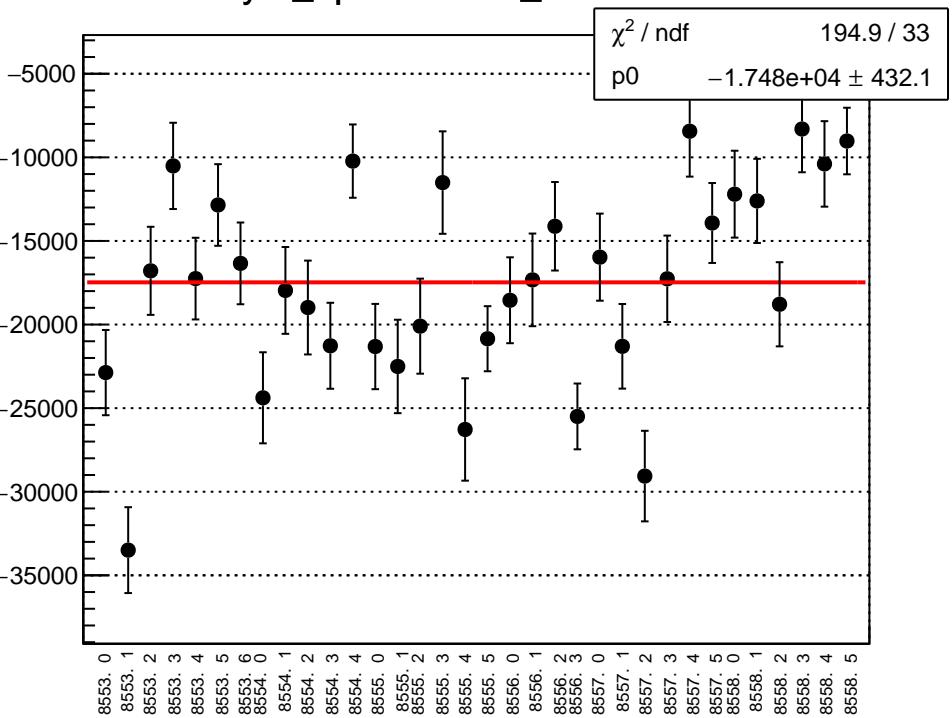
asym_bpm0i02aWS_mean vs run



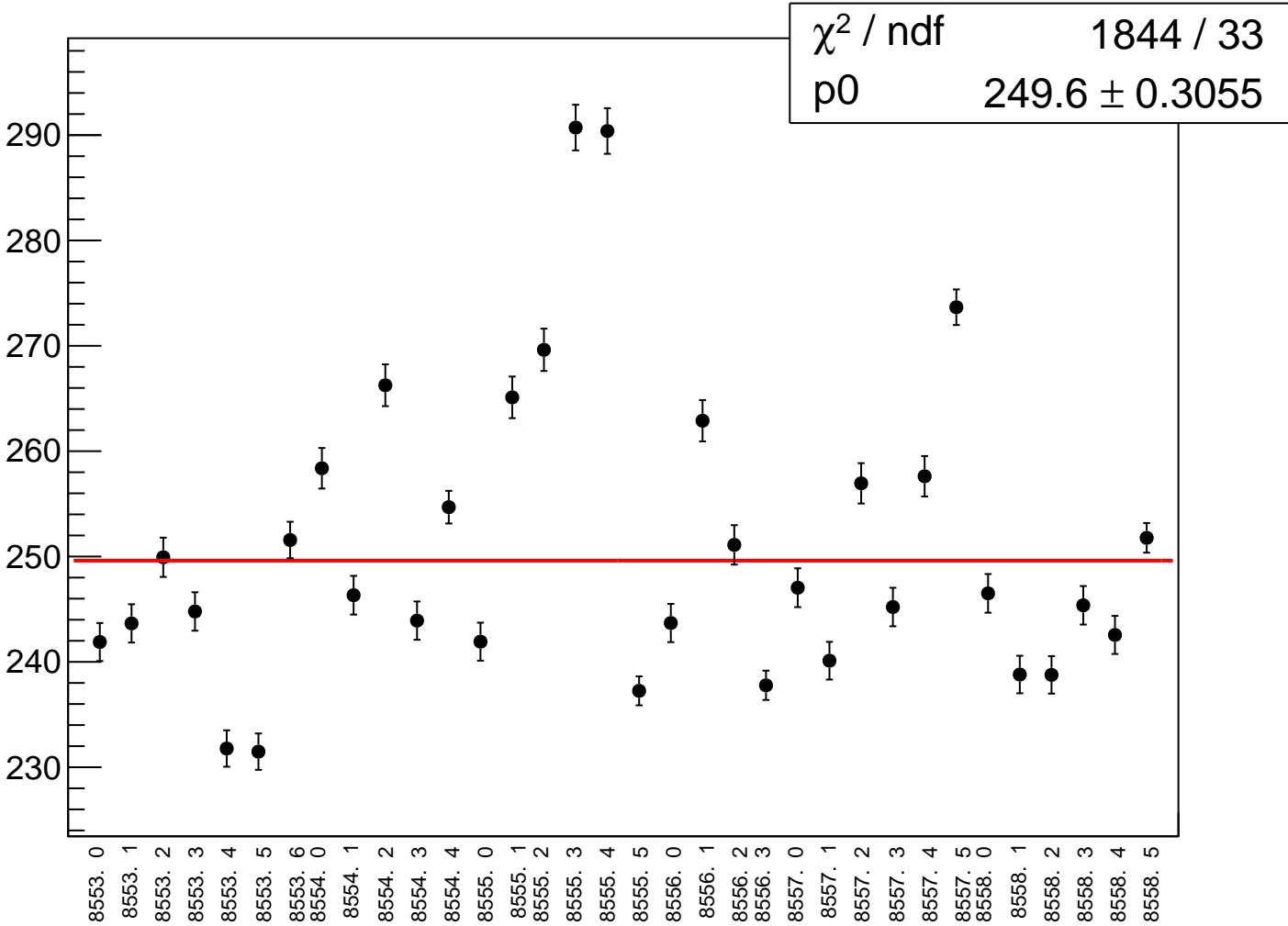
asym_bpm0i02aWS_rms vs run



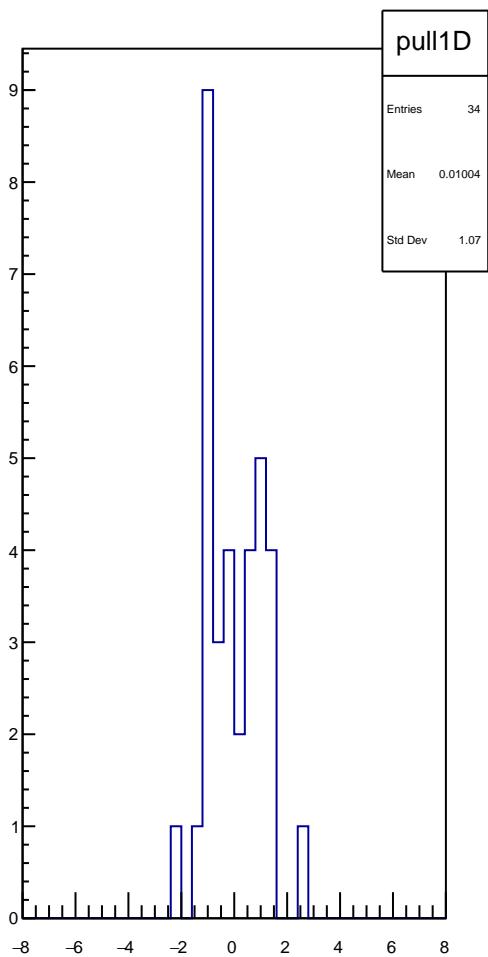
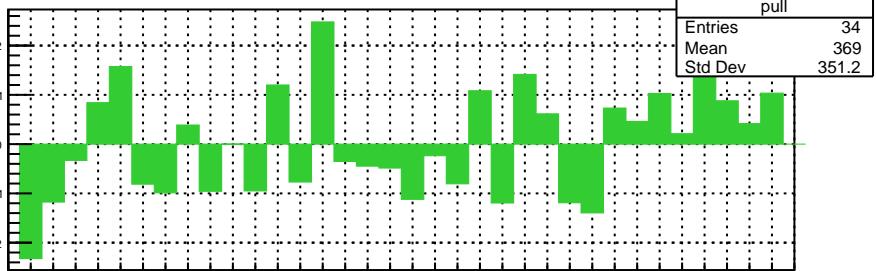
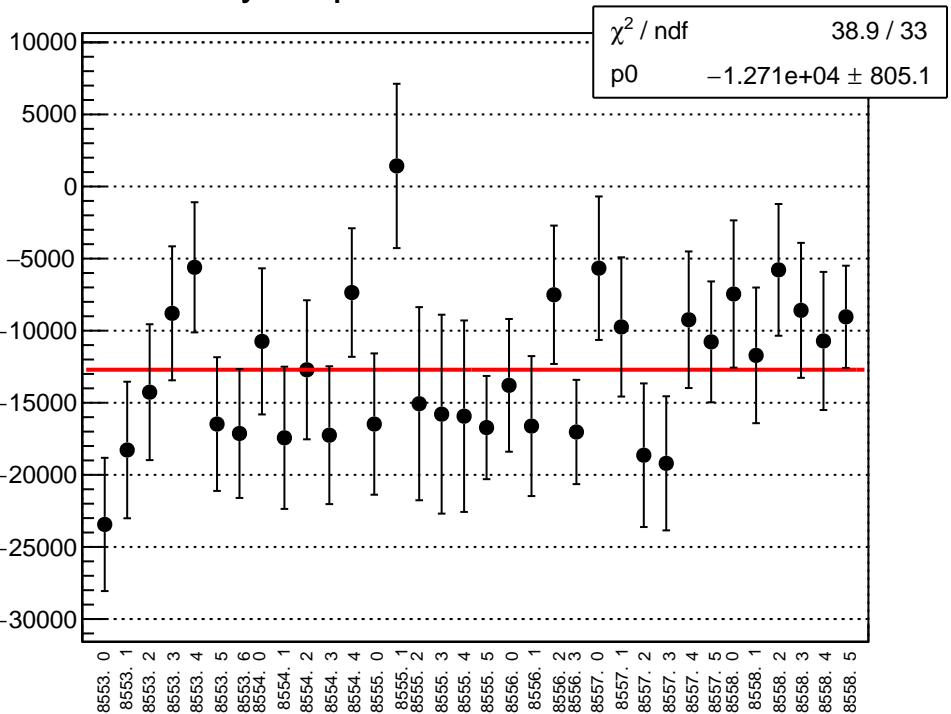
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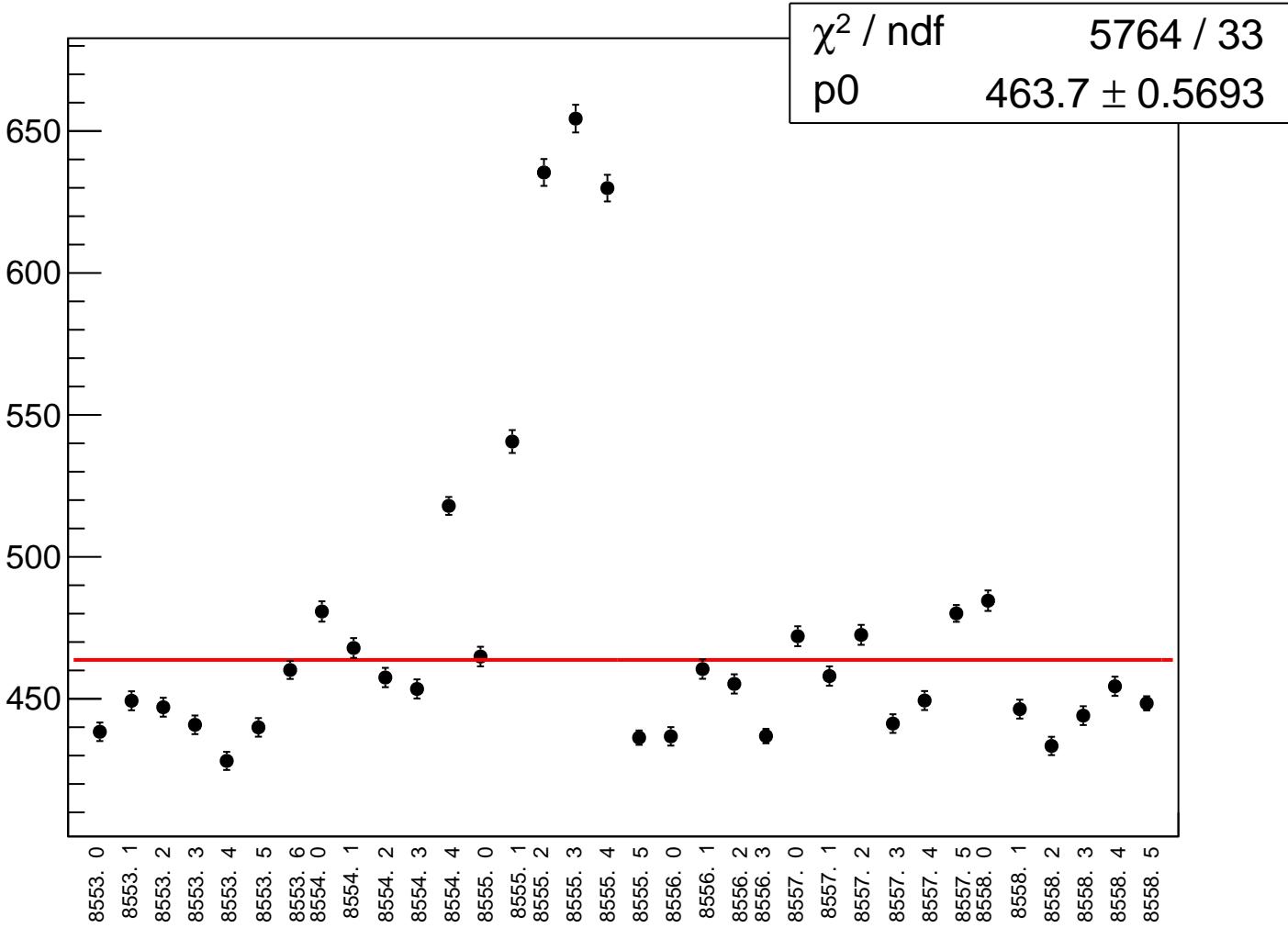
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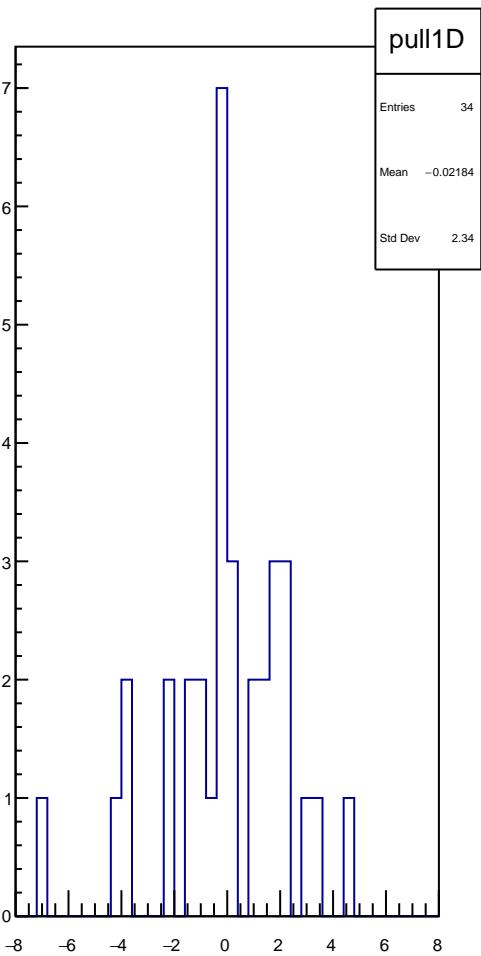
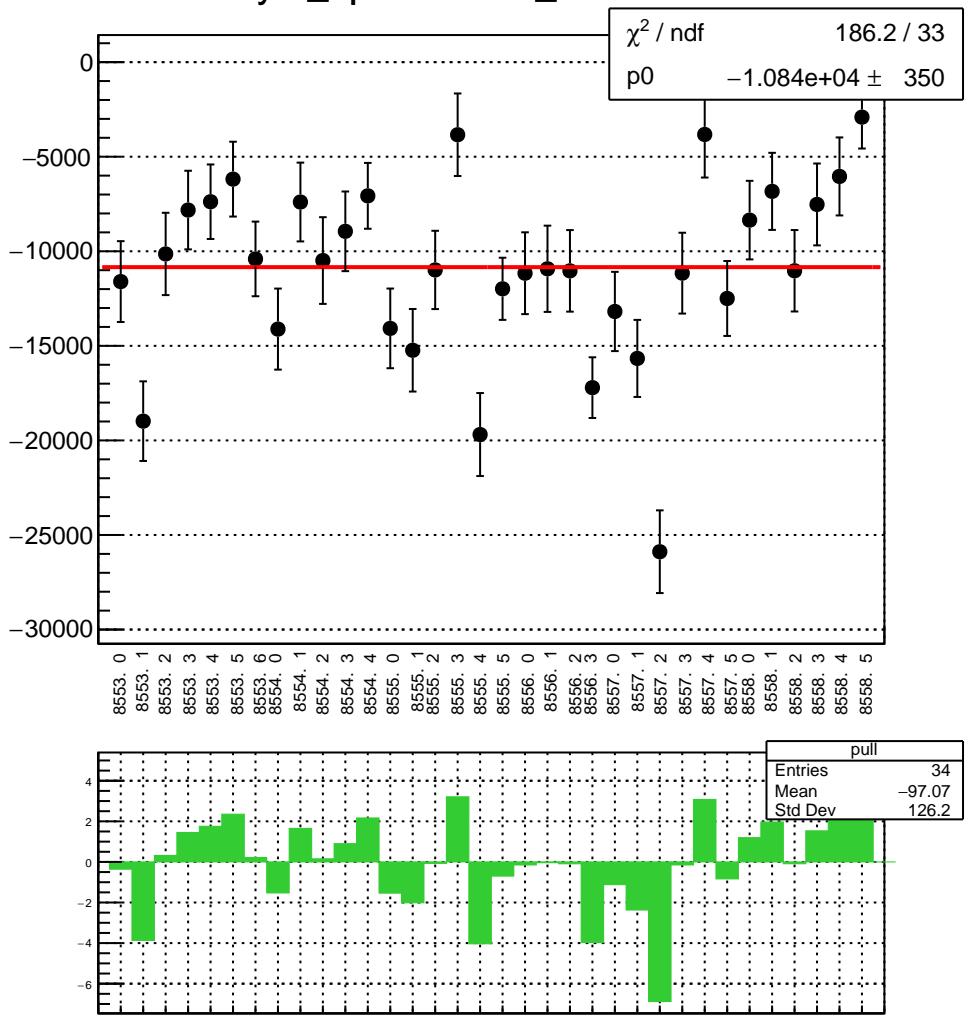
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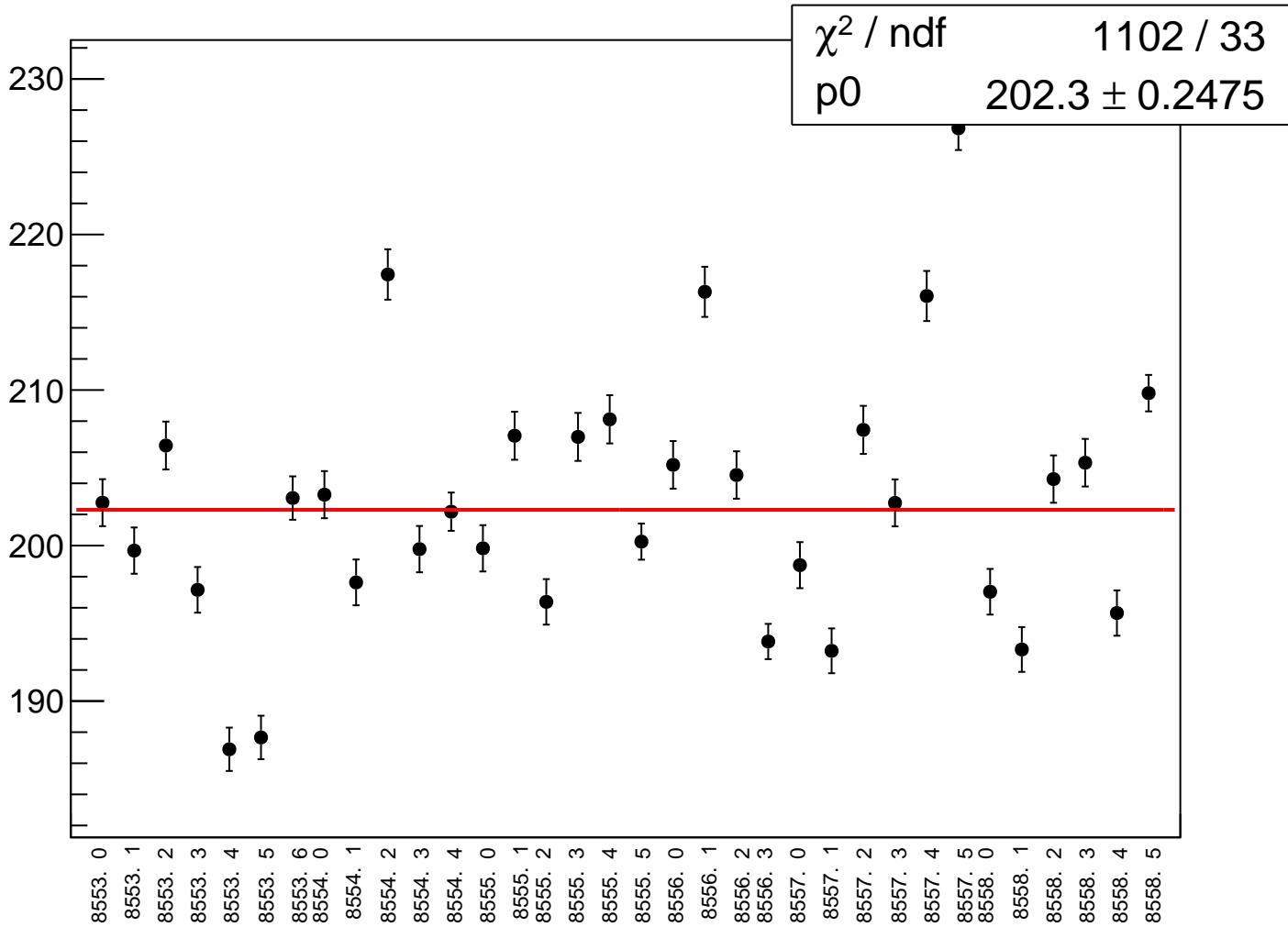
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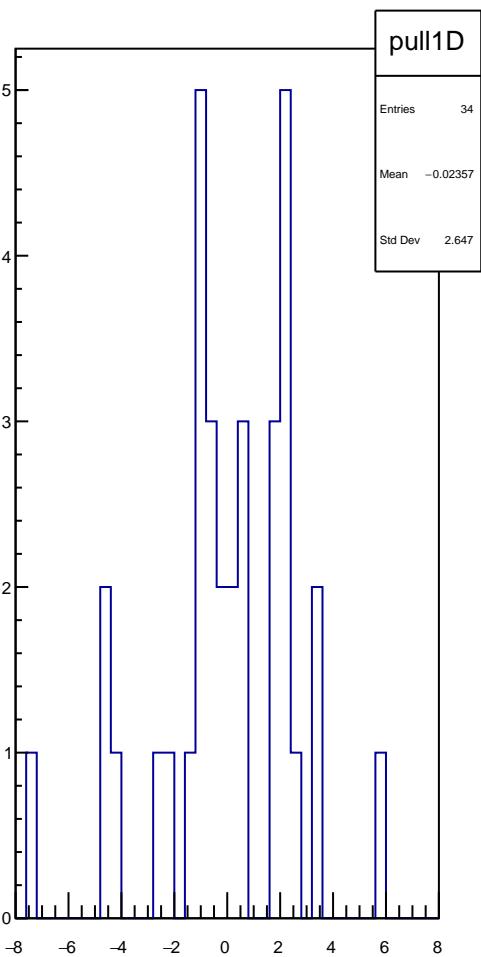
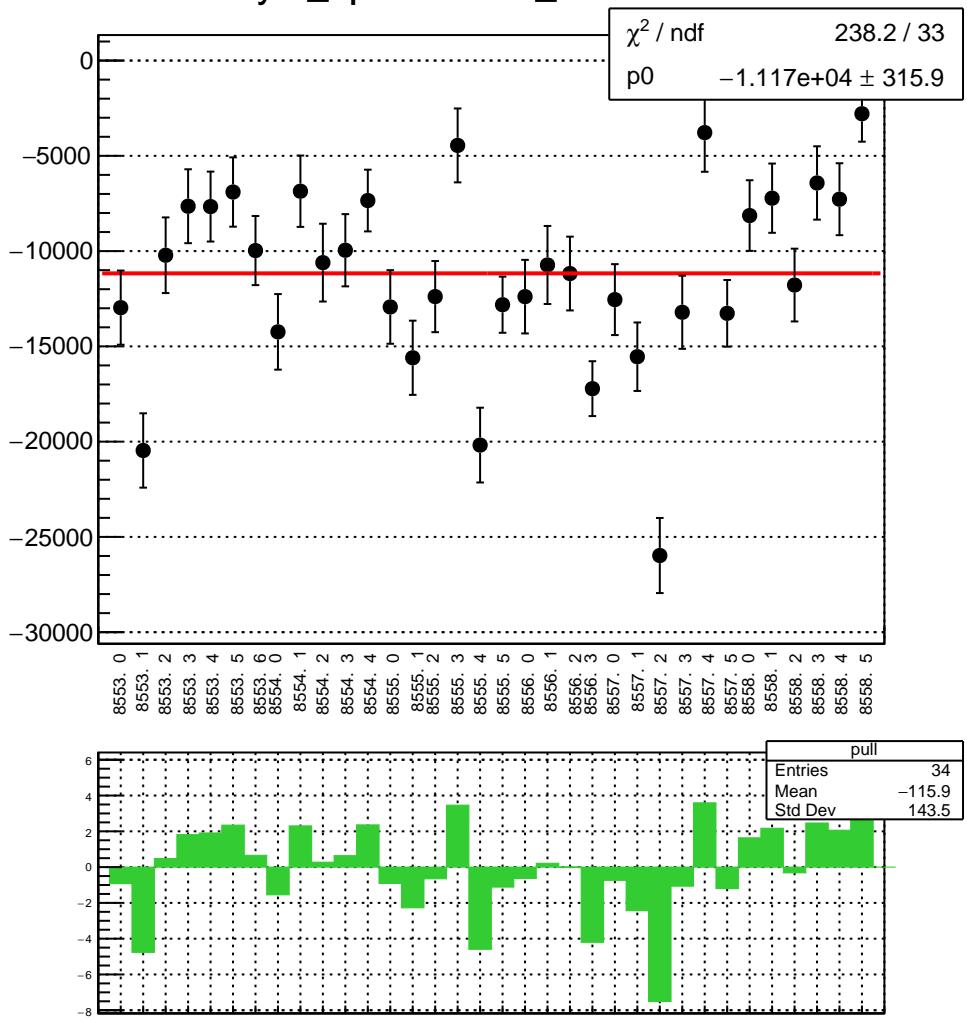
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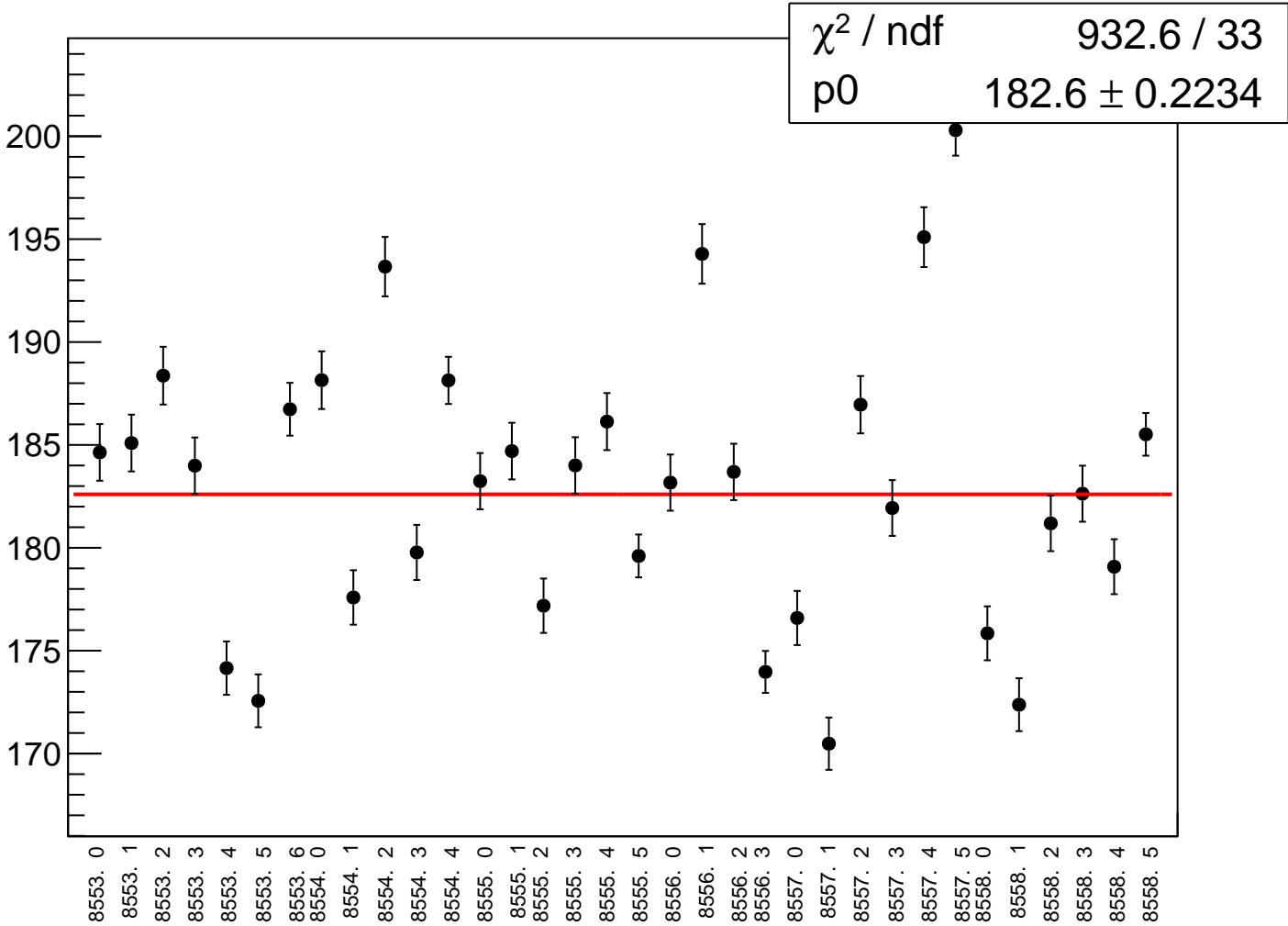
asym_bpm1i02WS_rms vs run



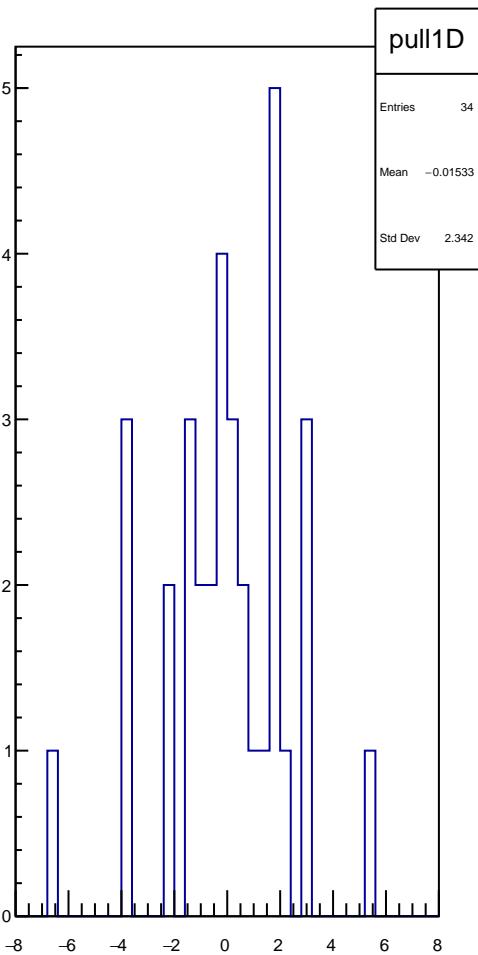
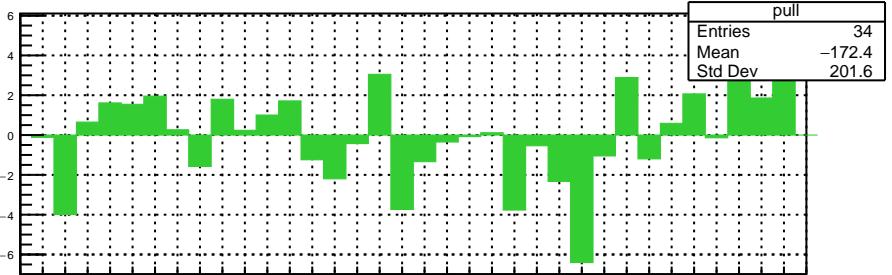
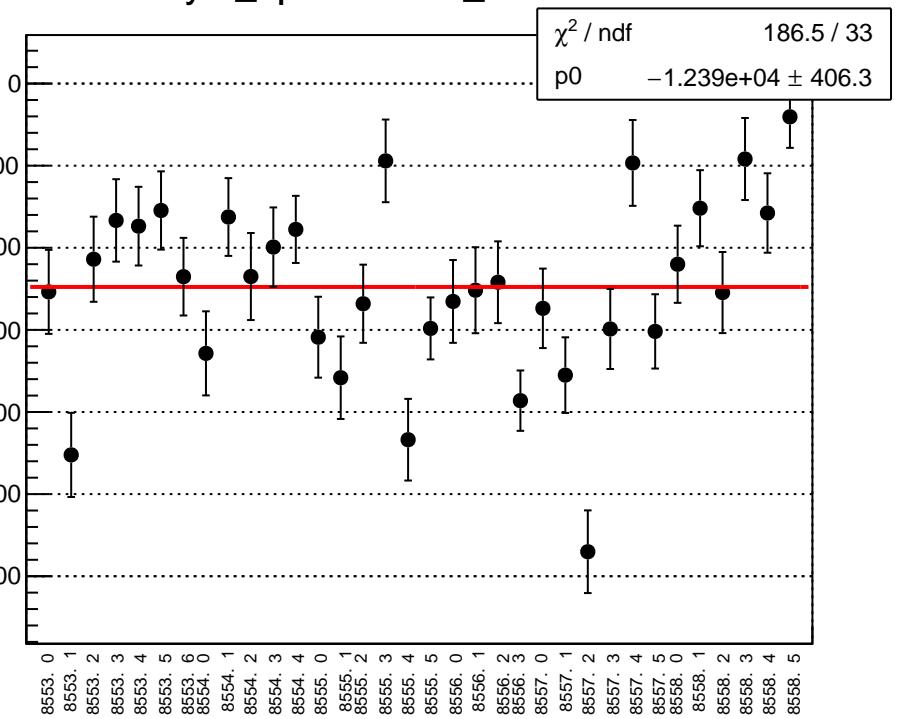
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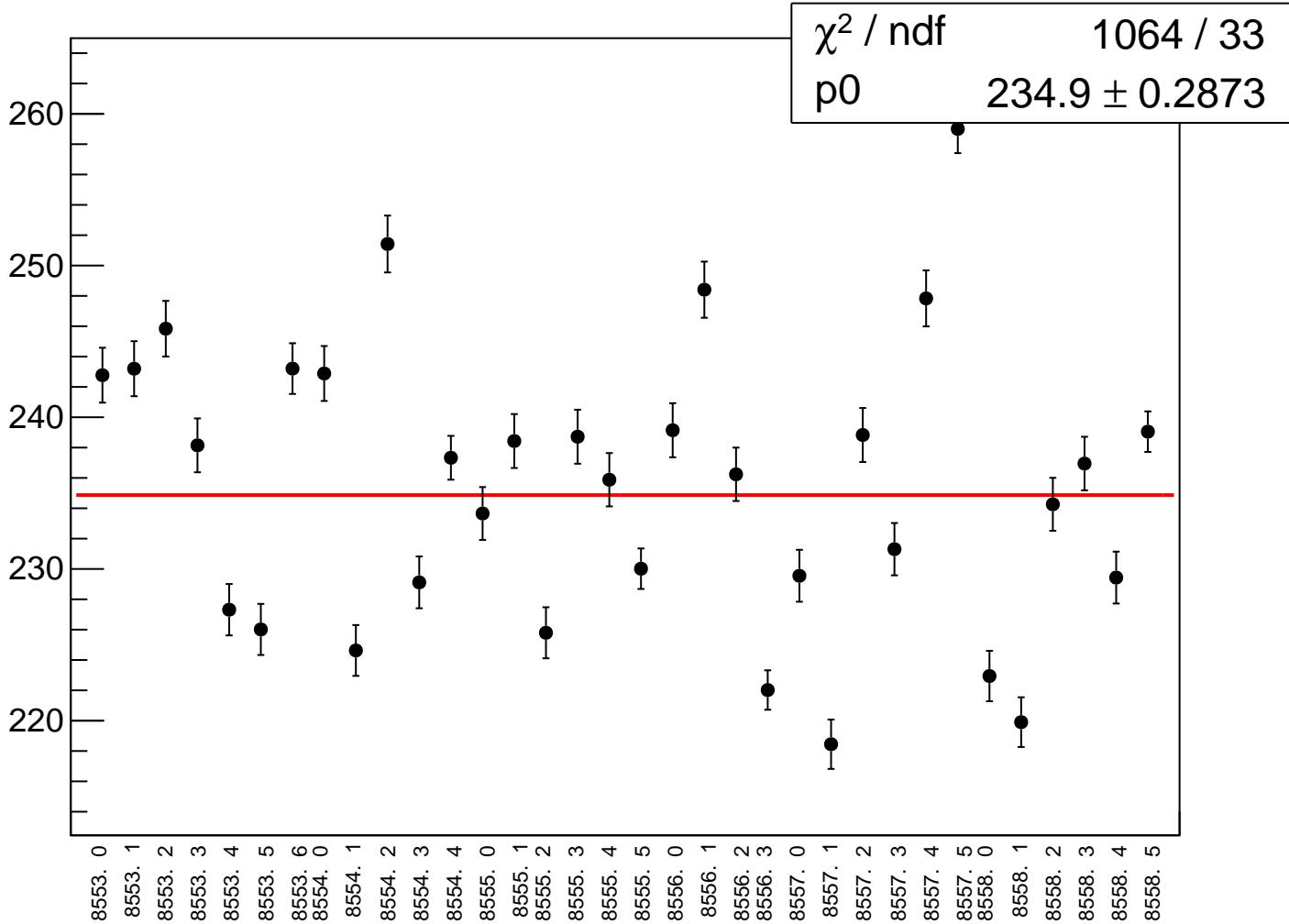
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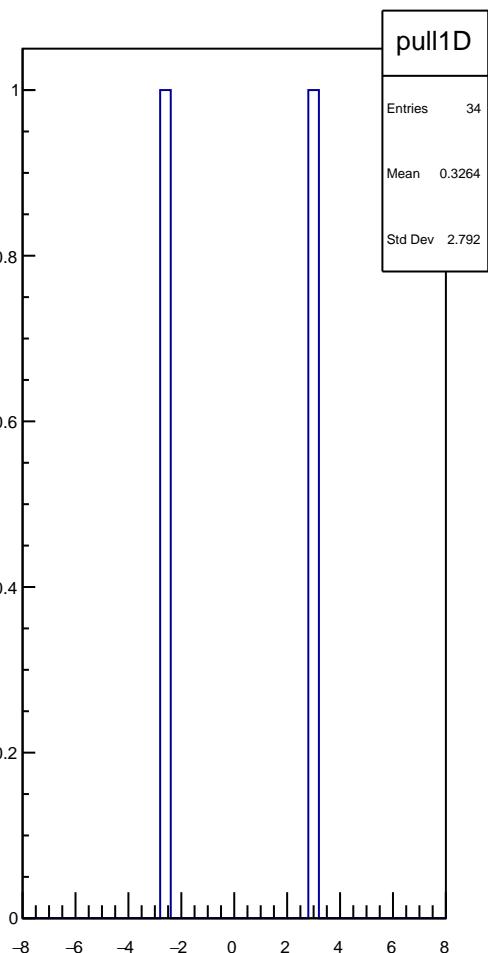
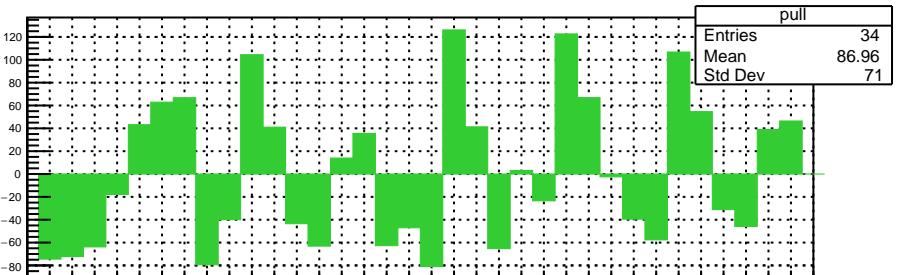
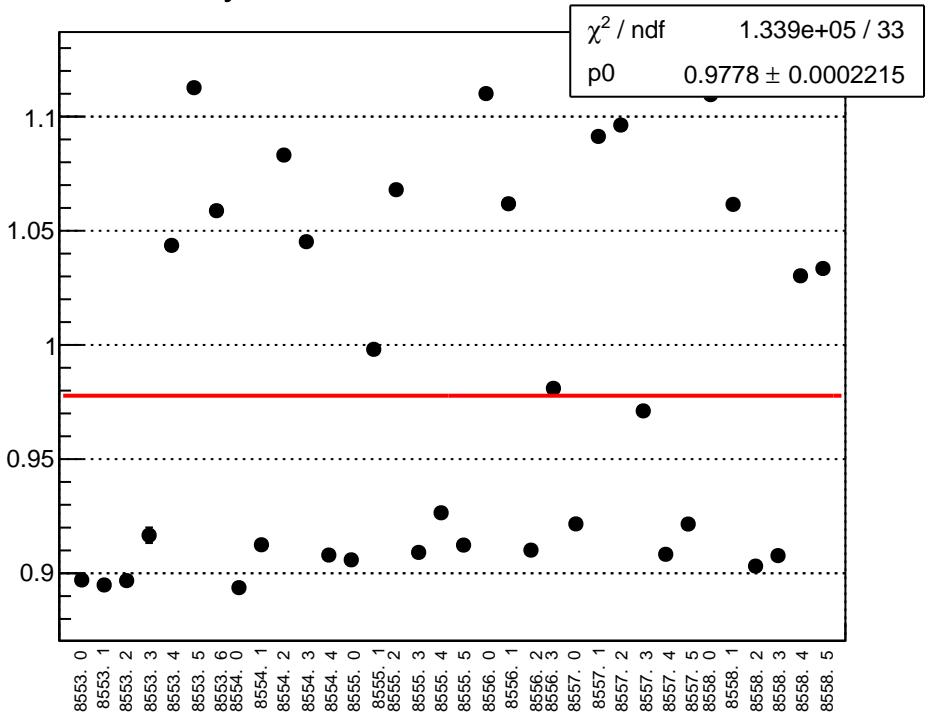
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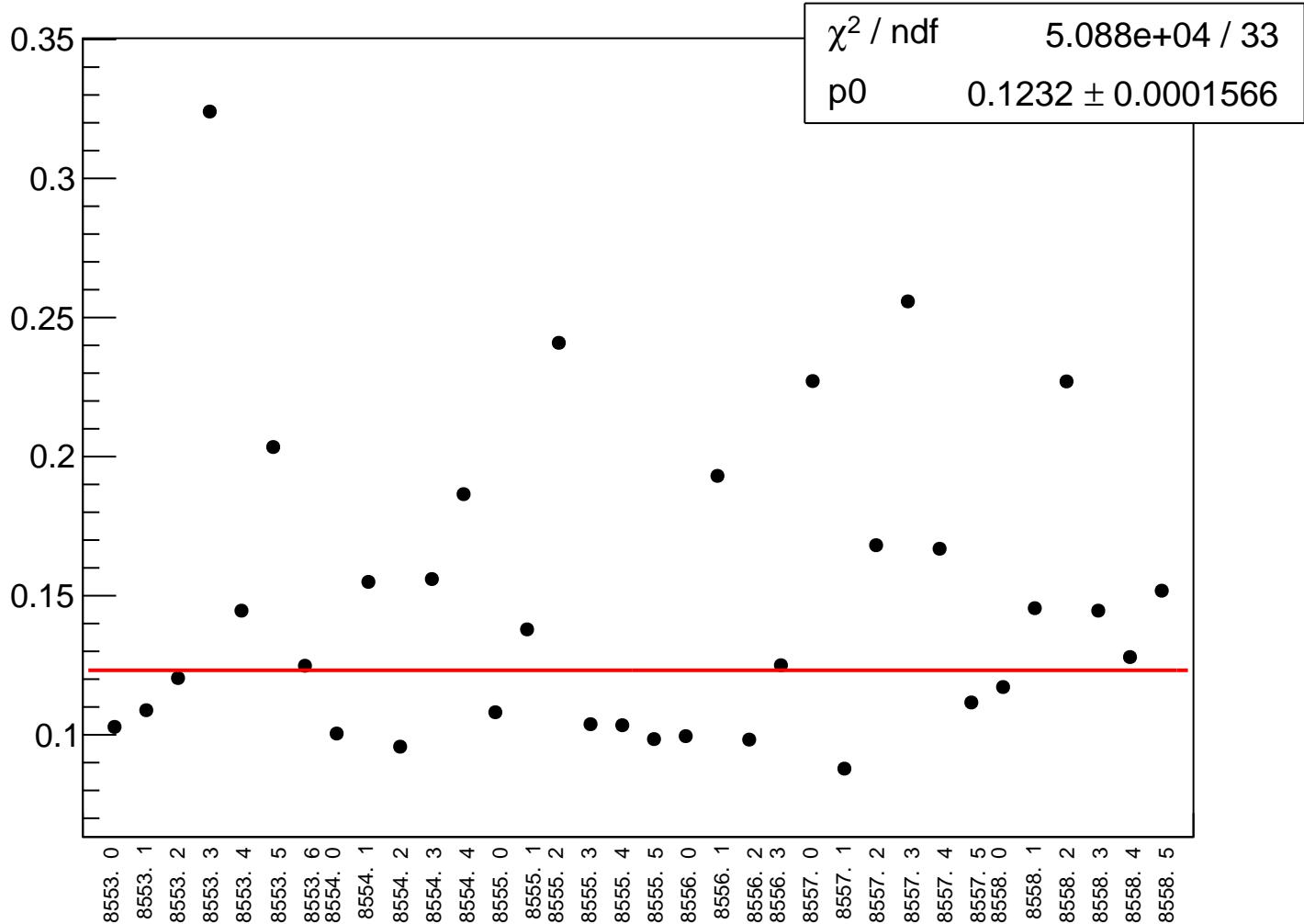
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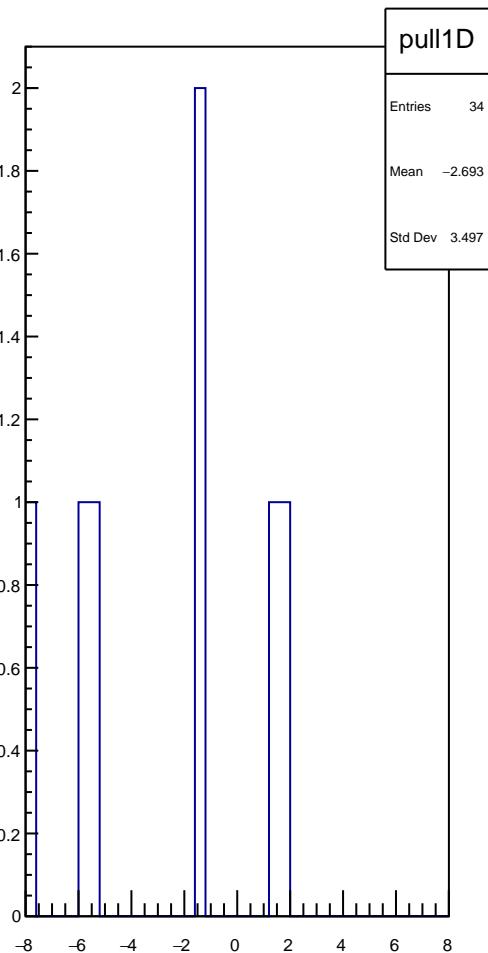
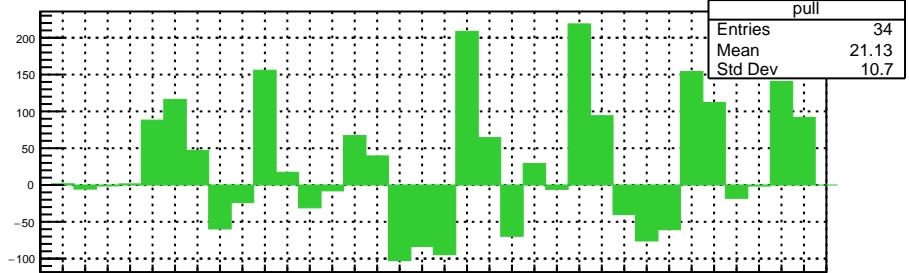
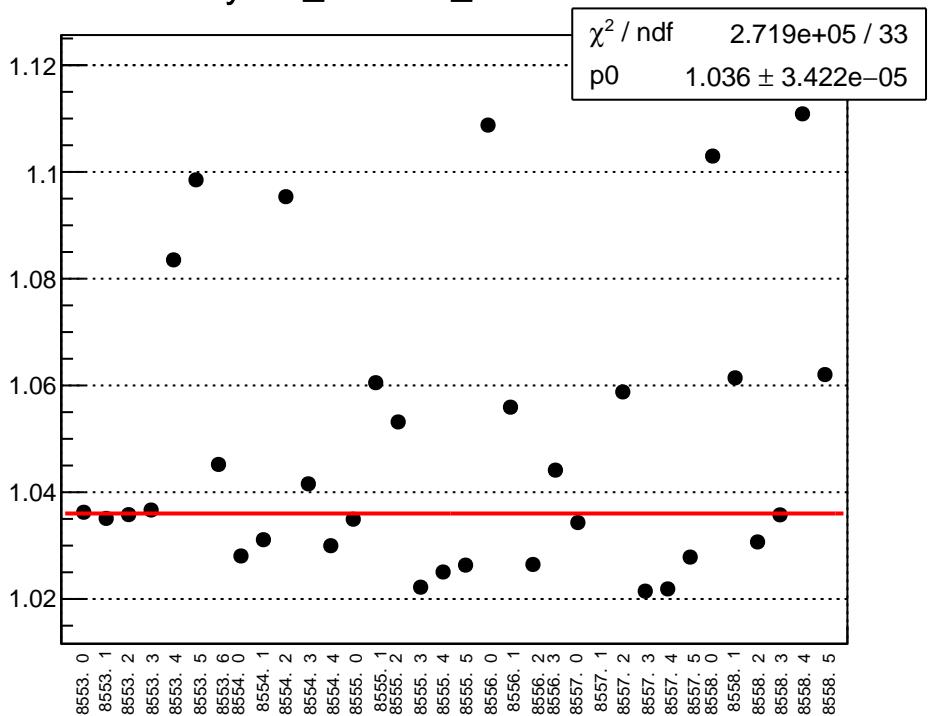
yield_cav4bX_mean vs run



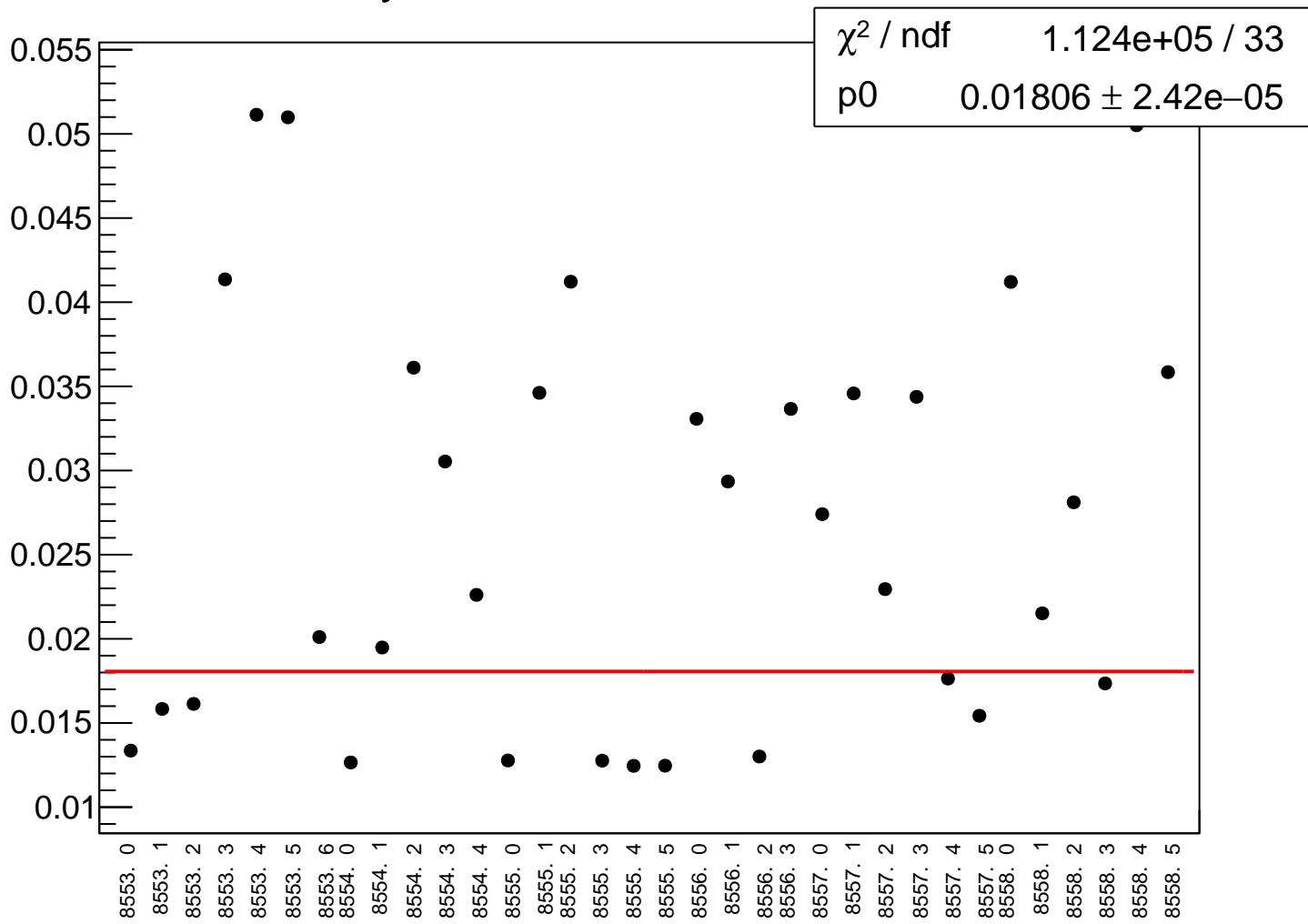
yield_cav4bX_rms vs run



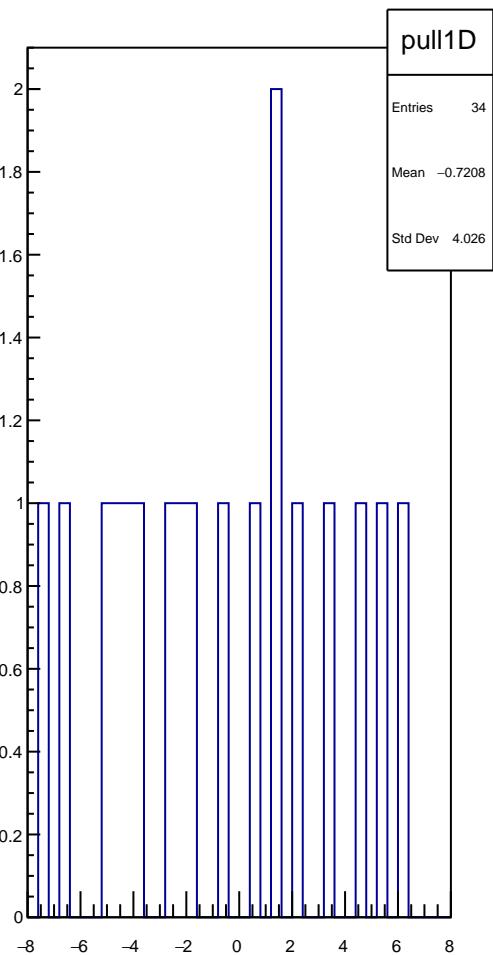
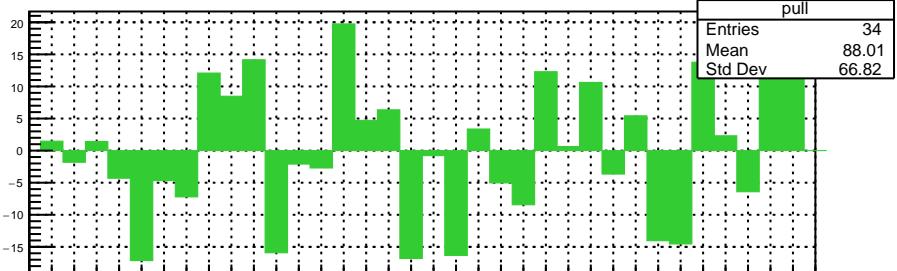
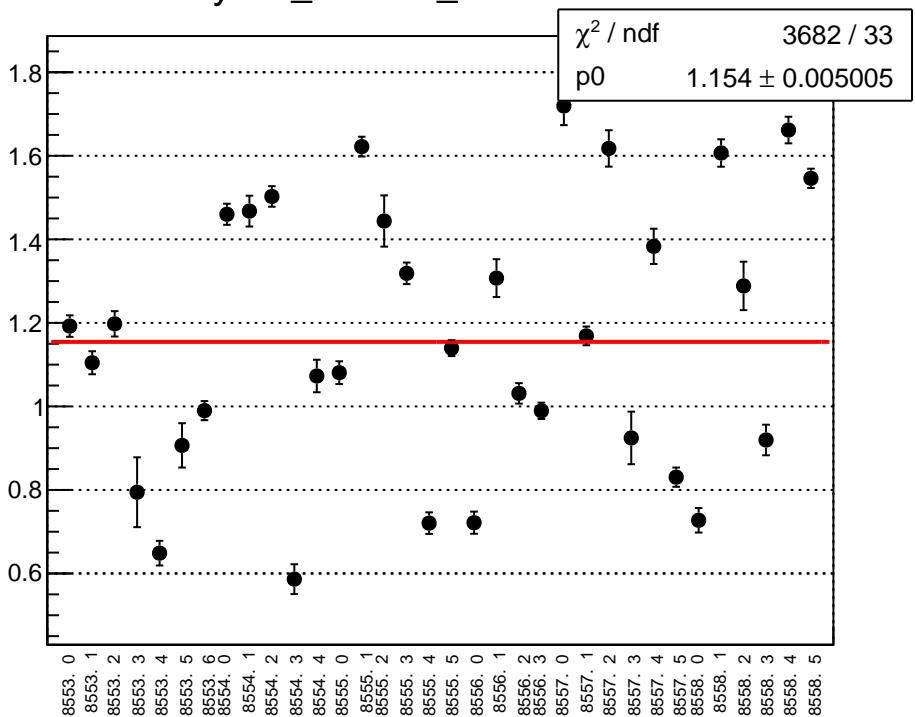
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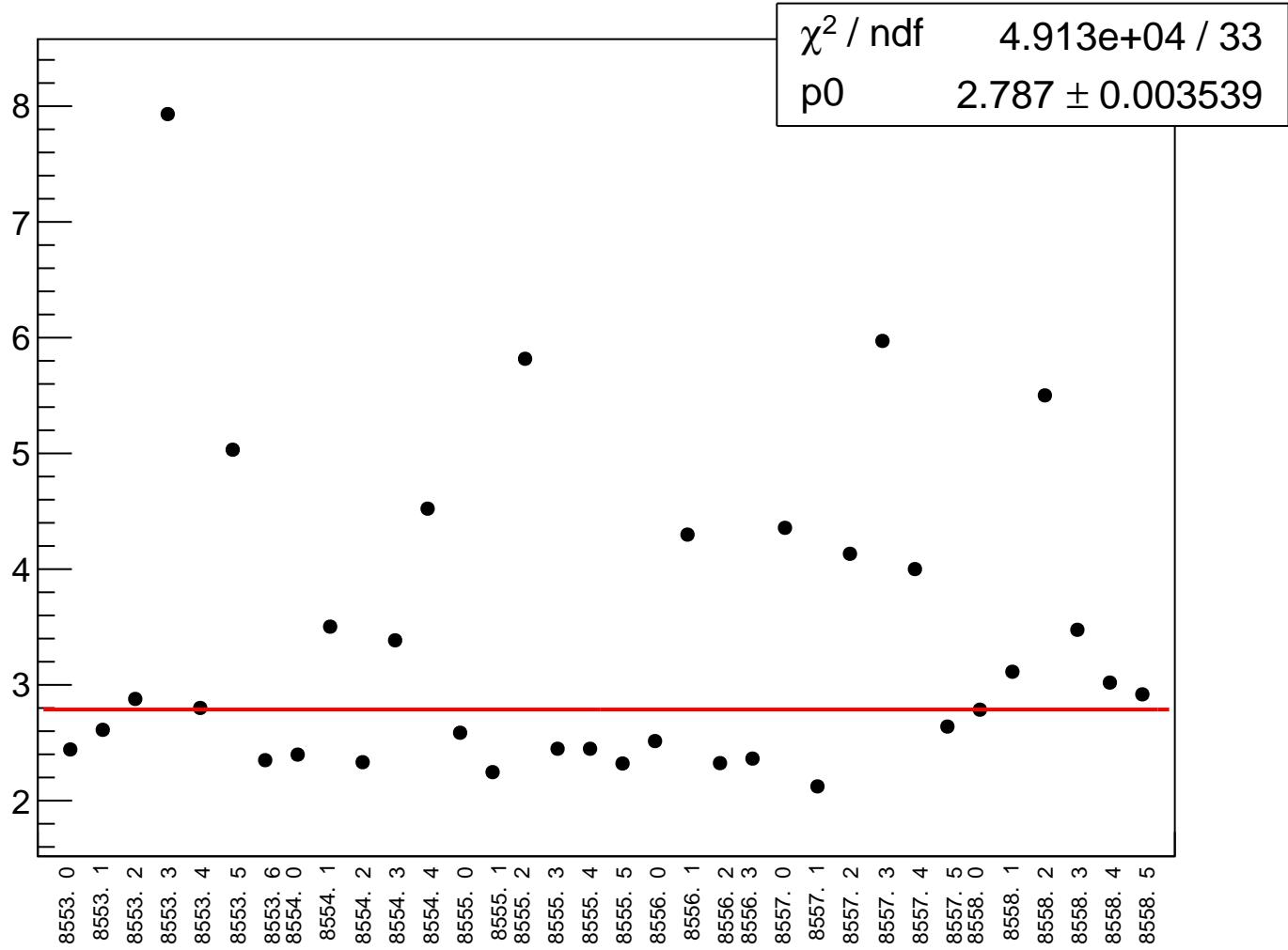
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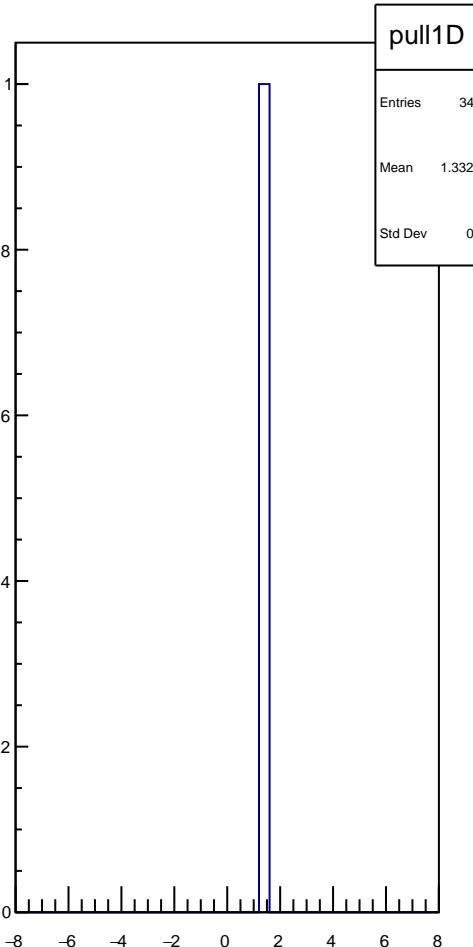
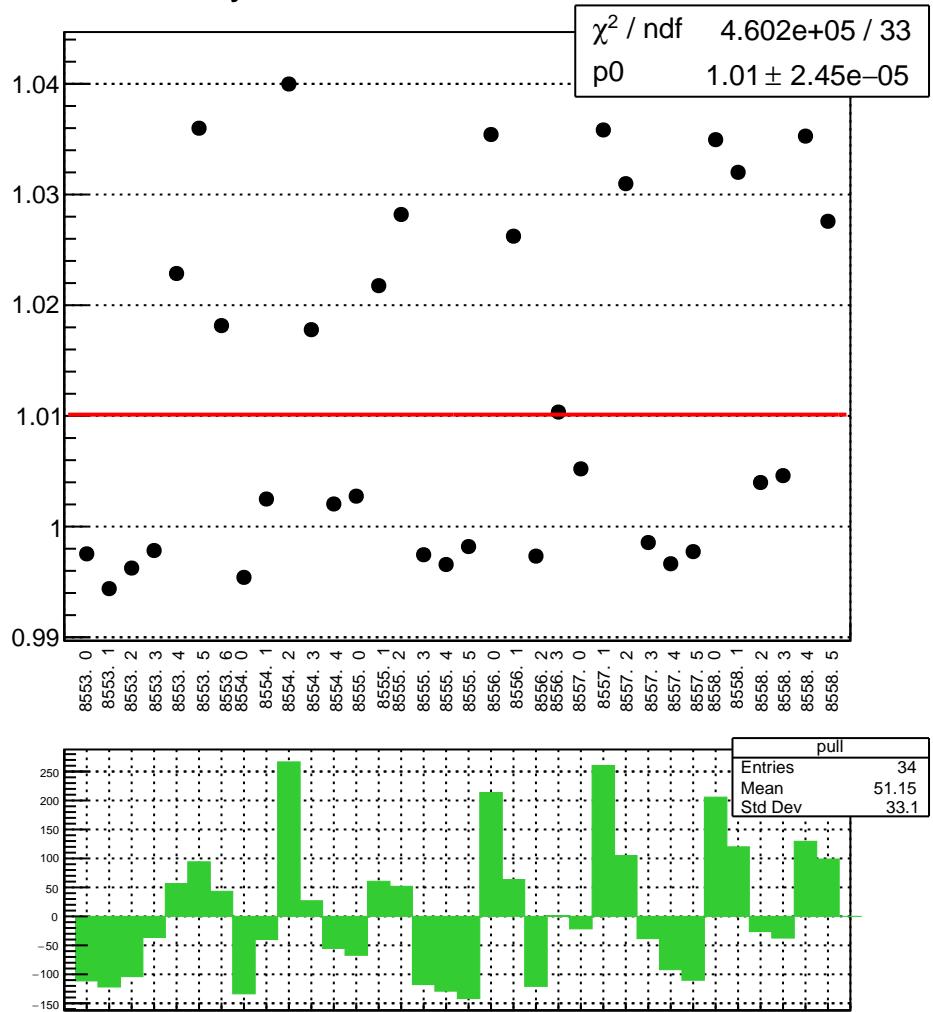
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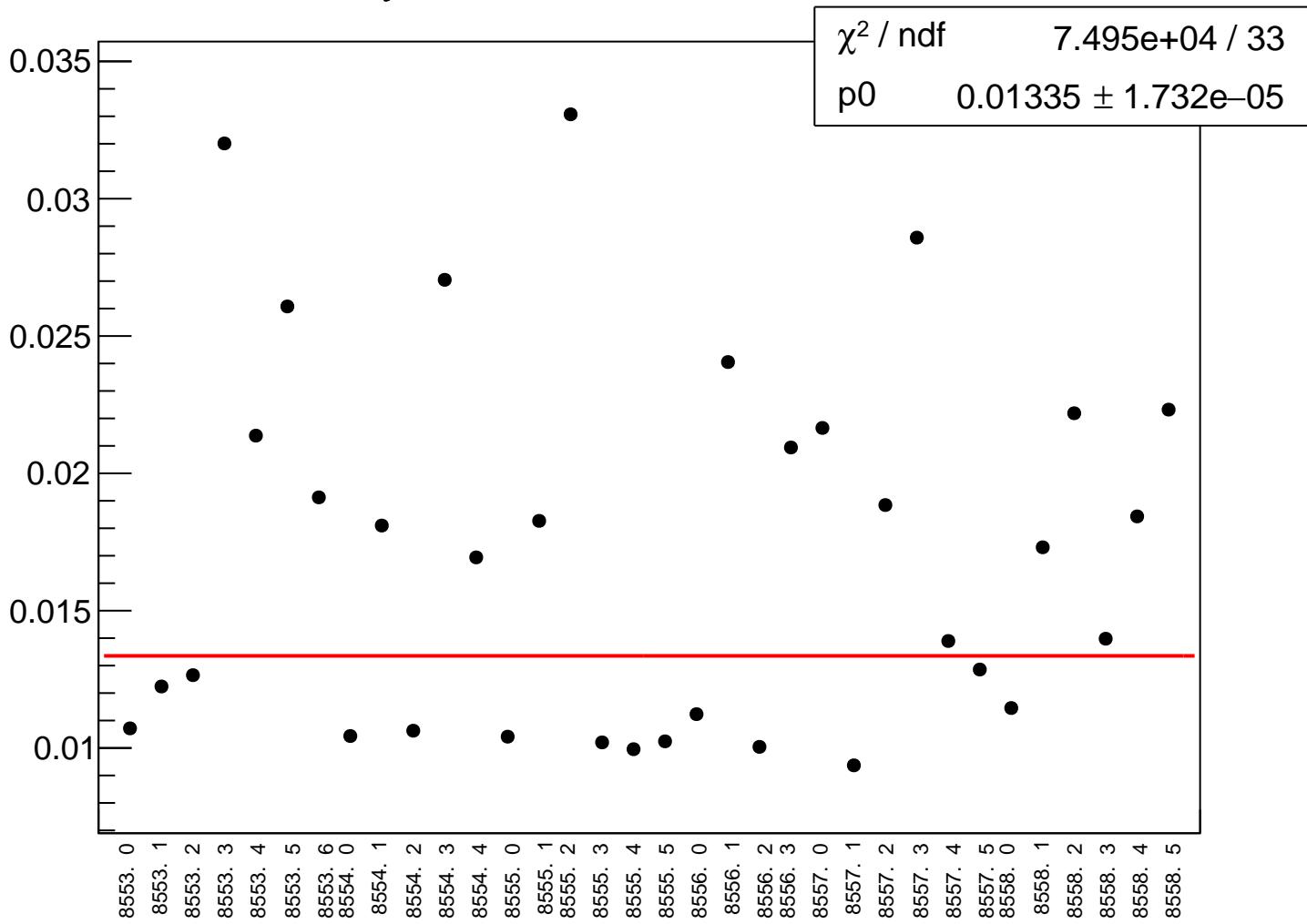
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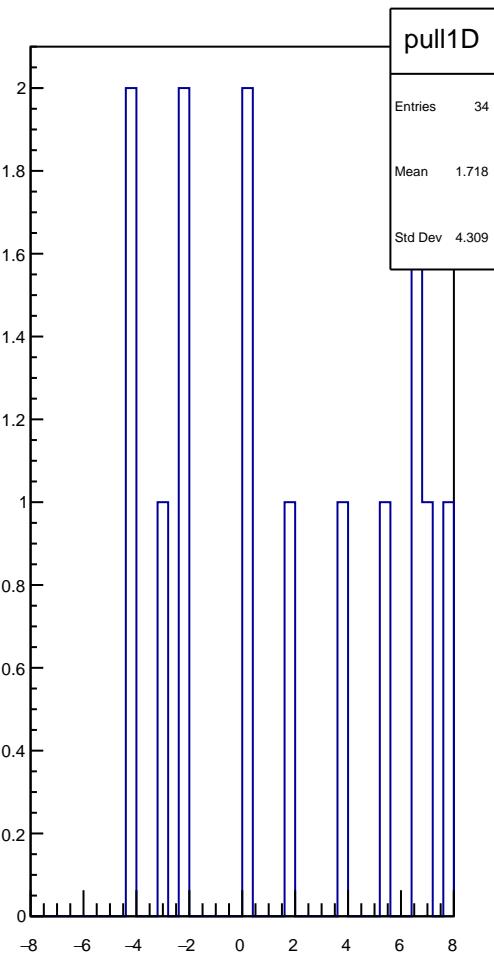
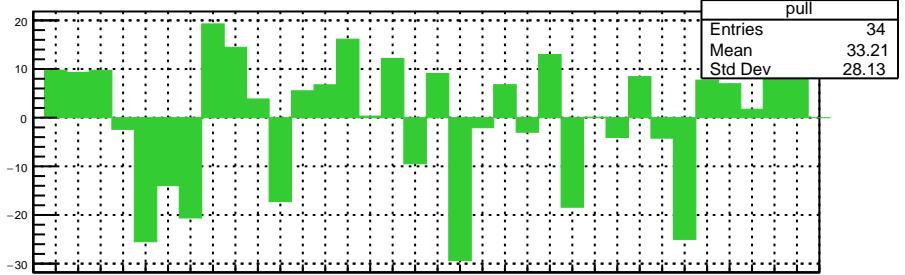
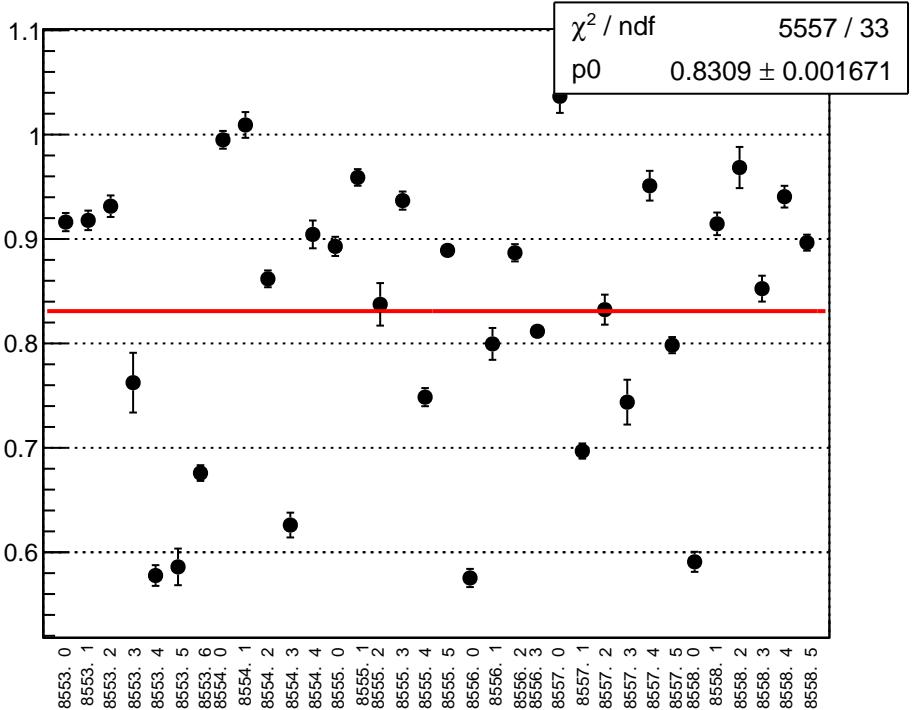
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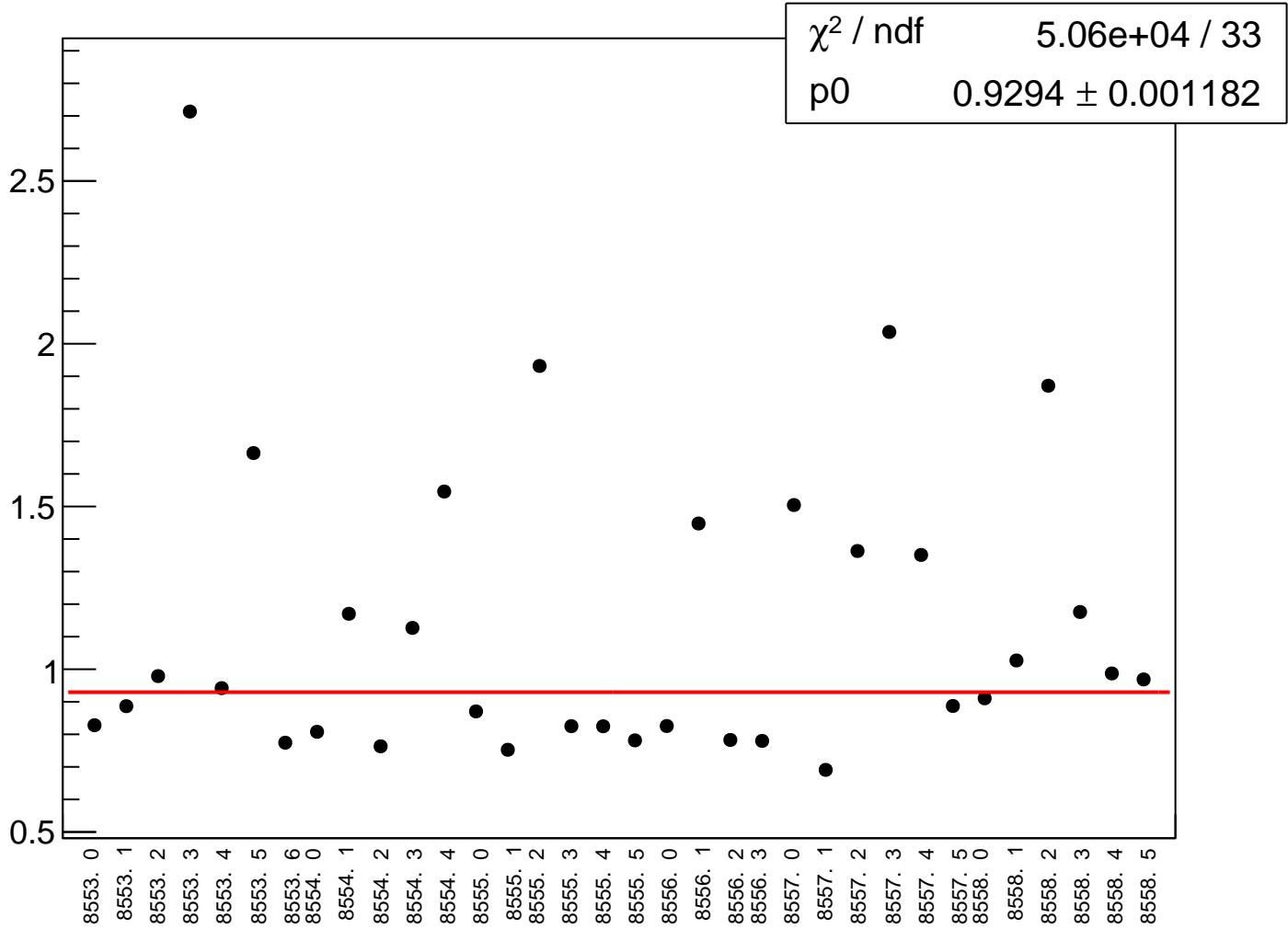
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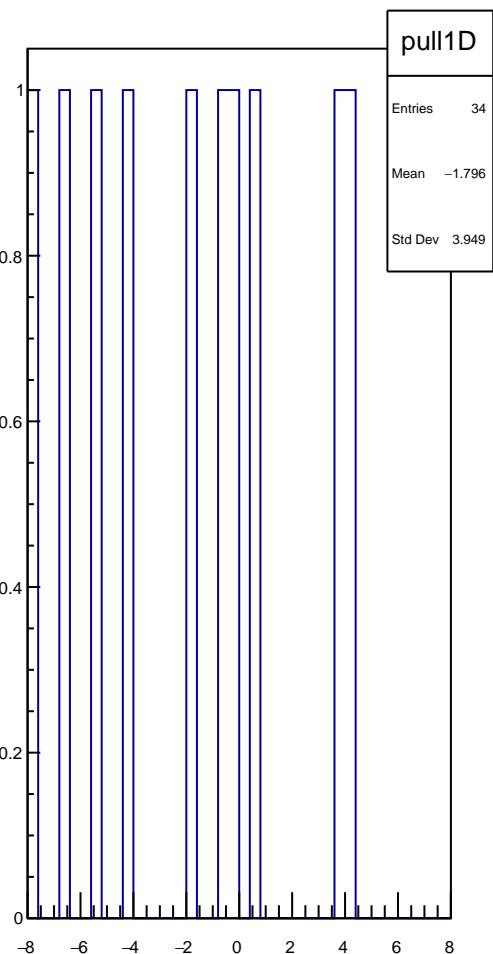
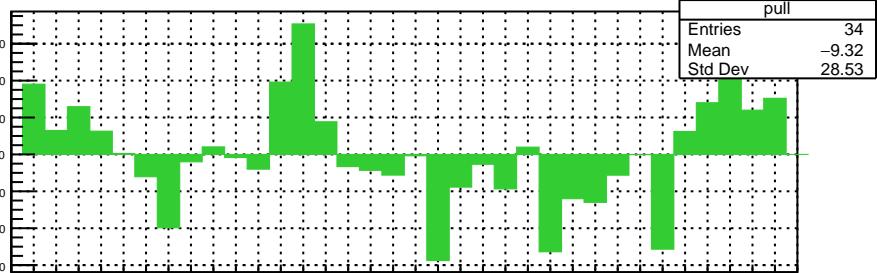
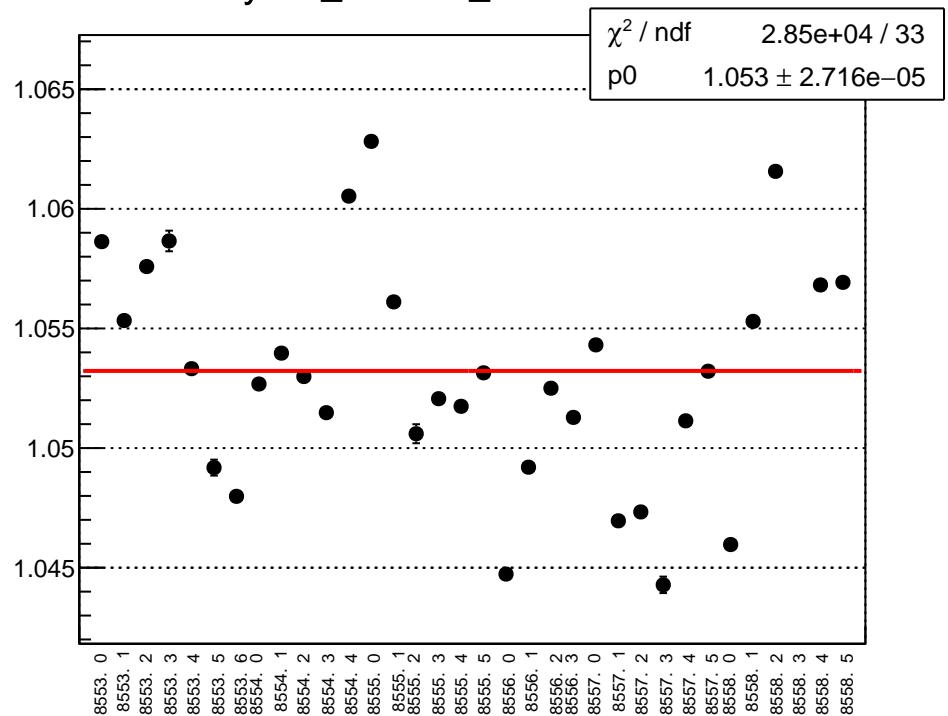
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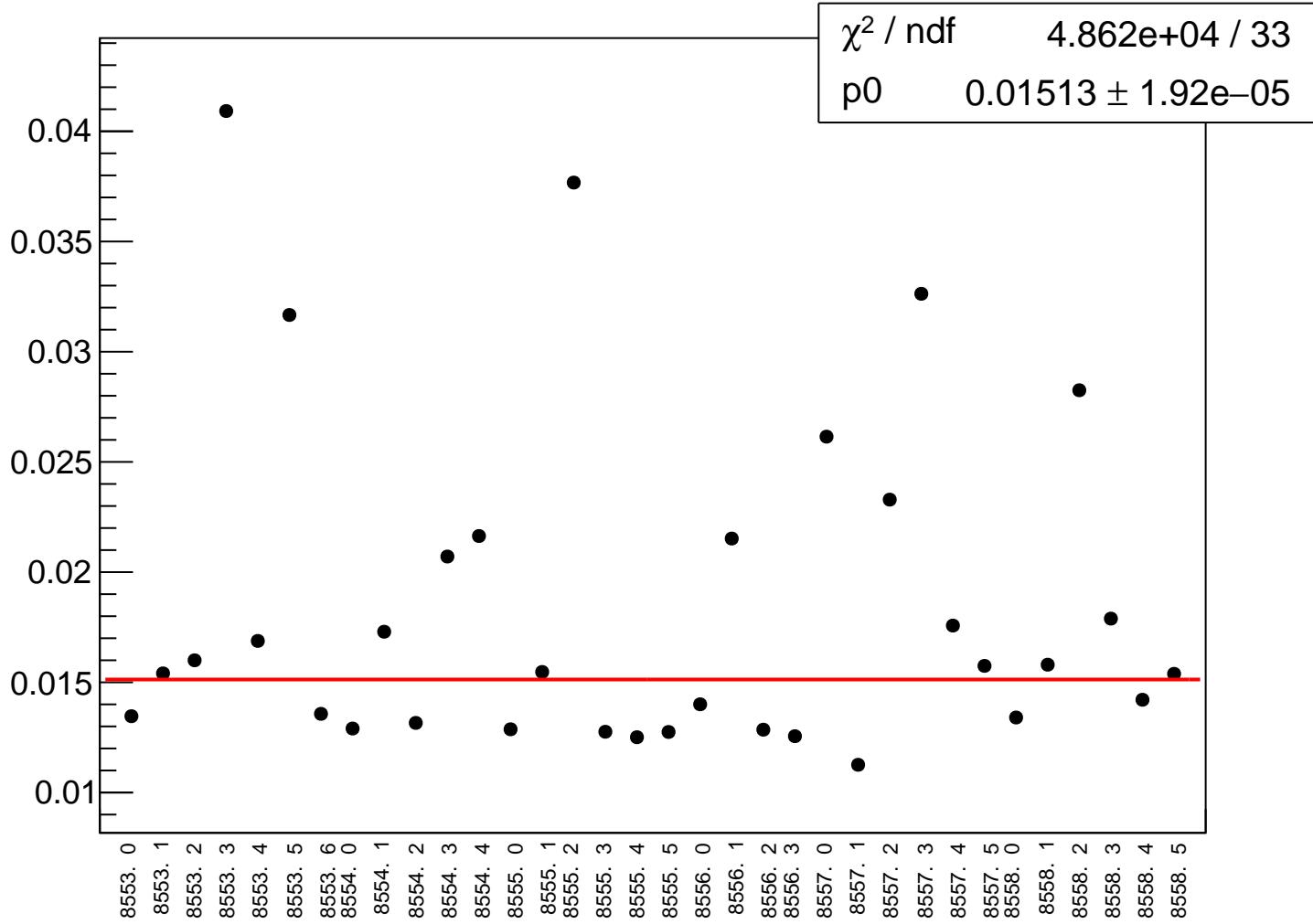
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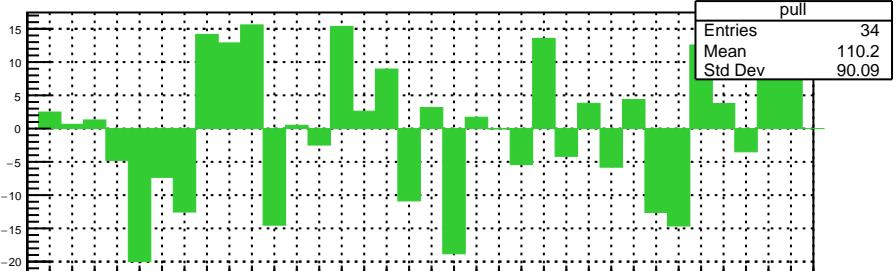
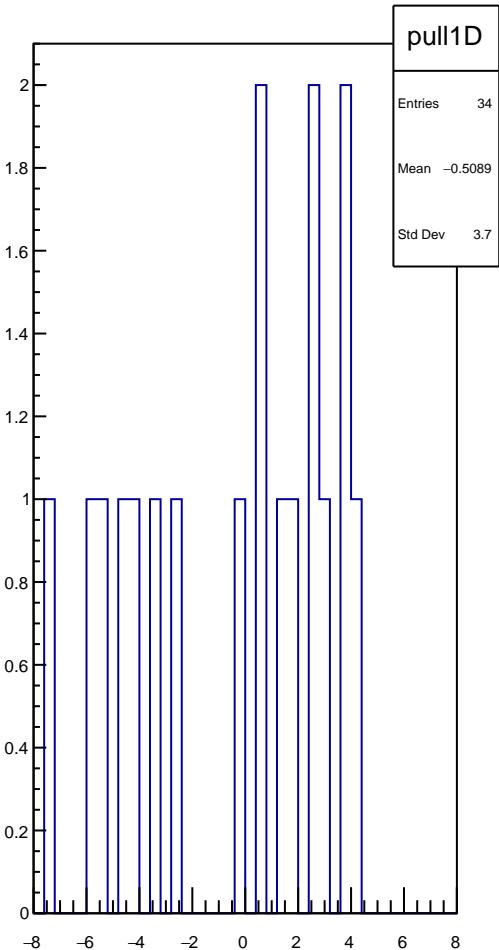
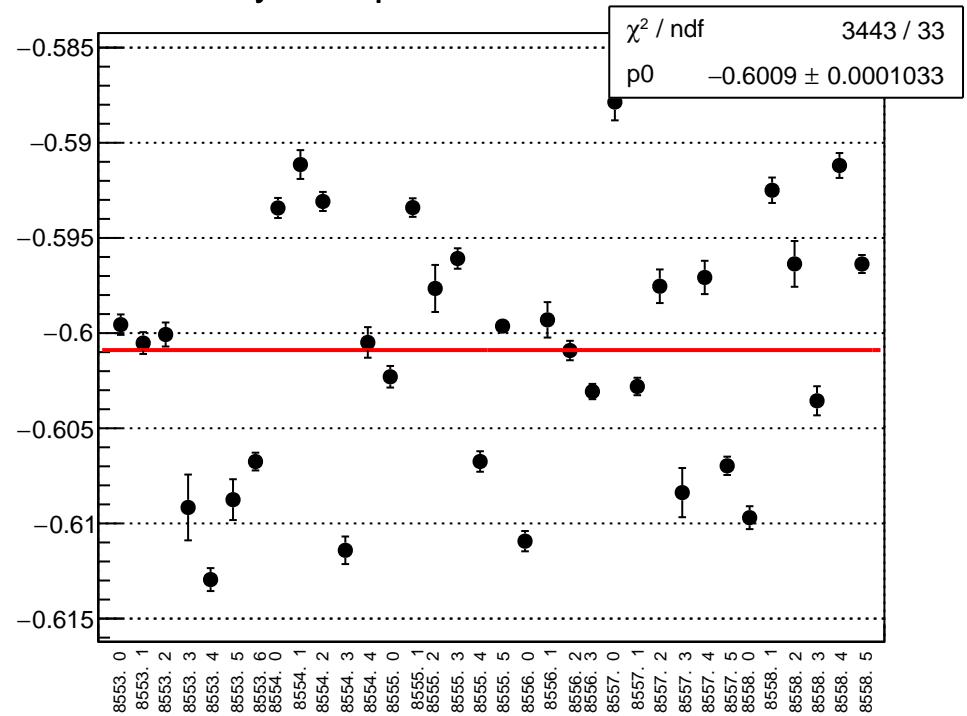
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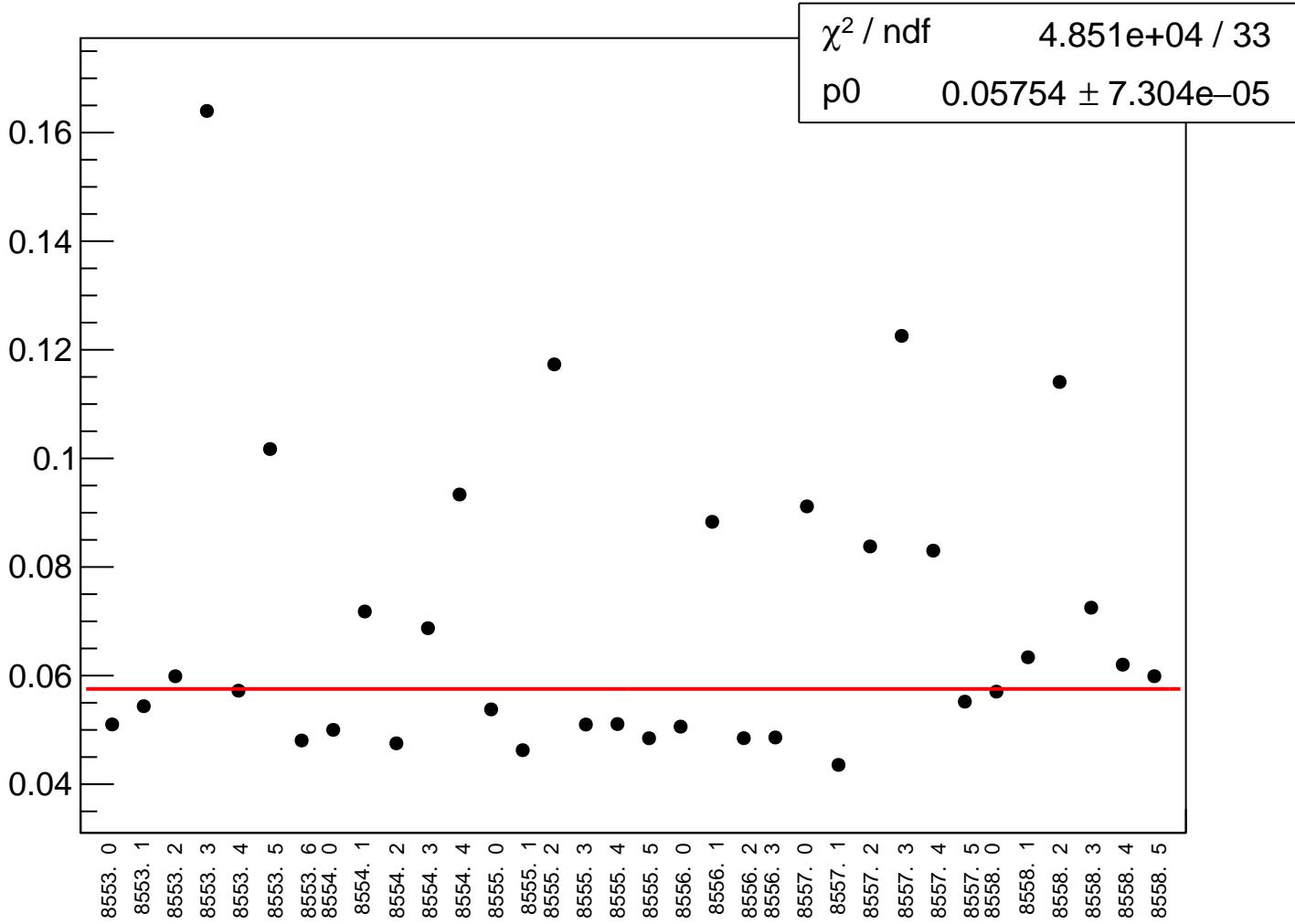
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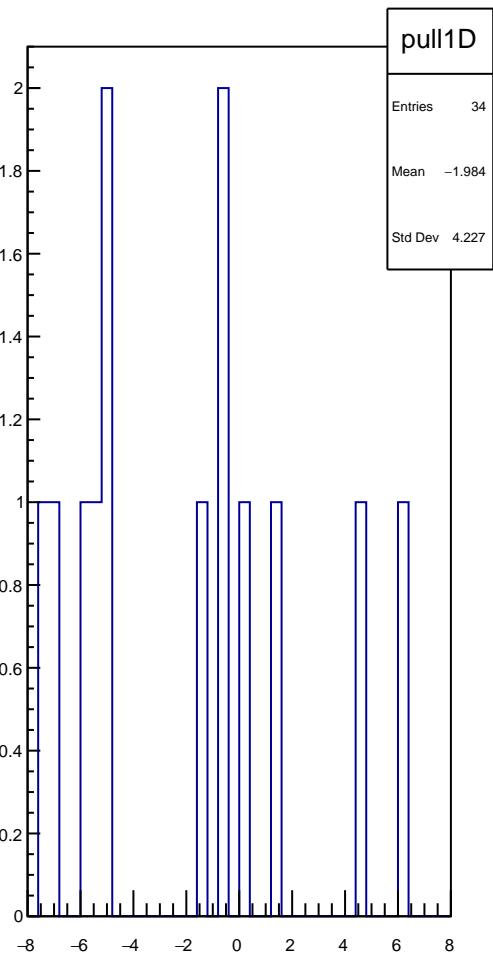
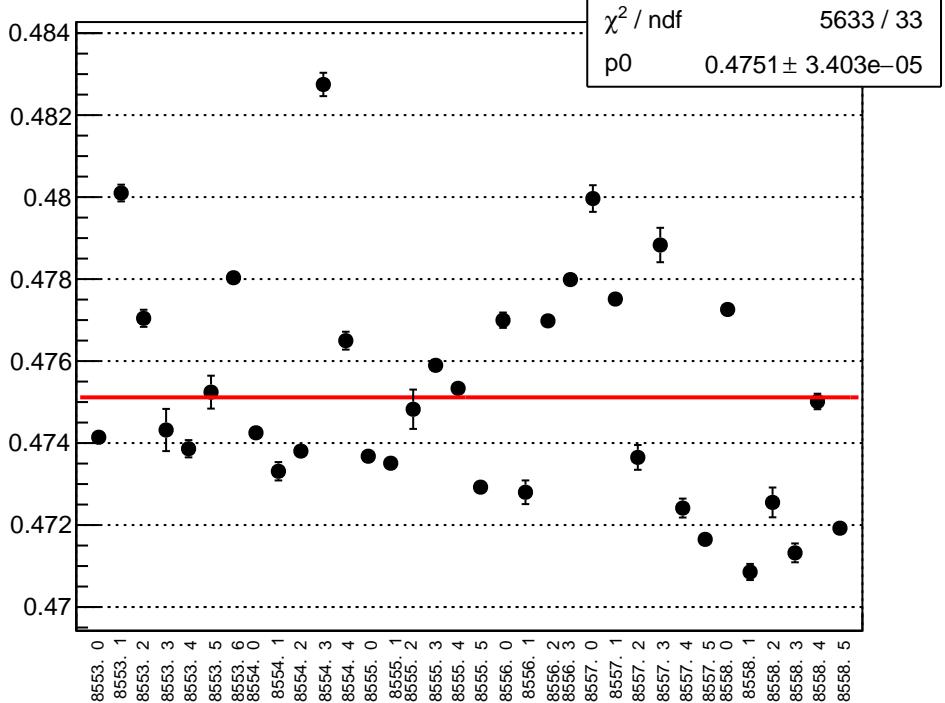
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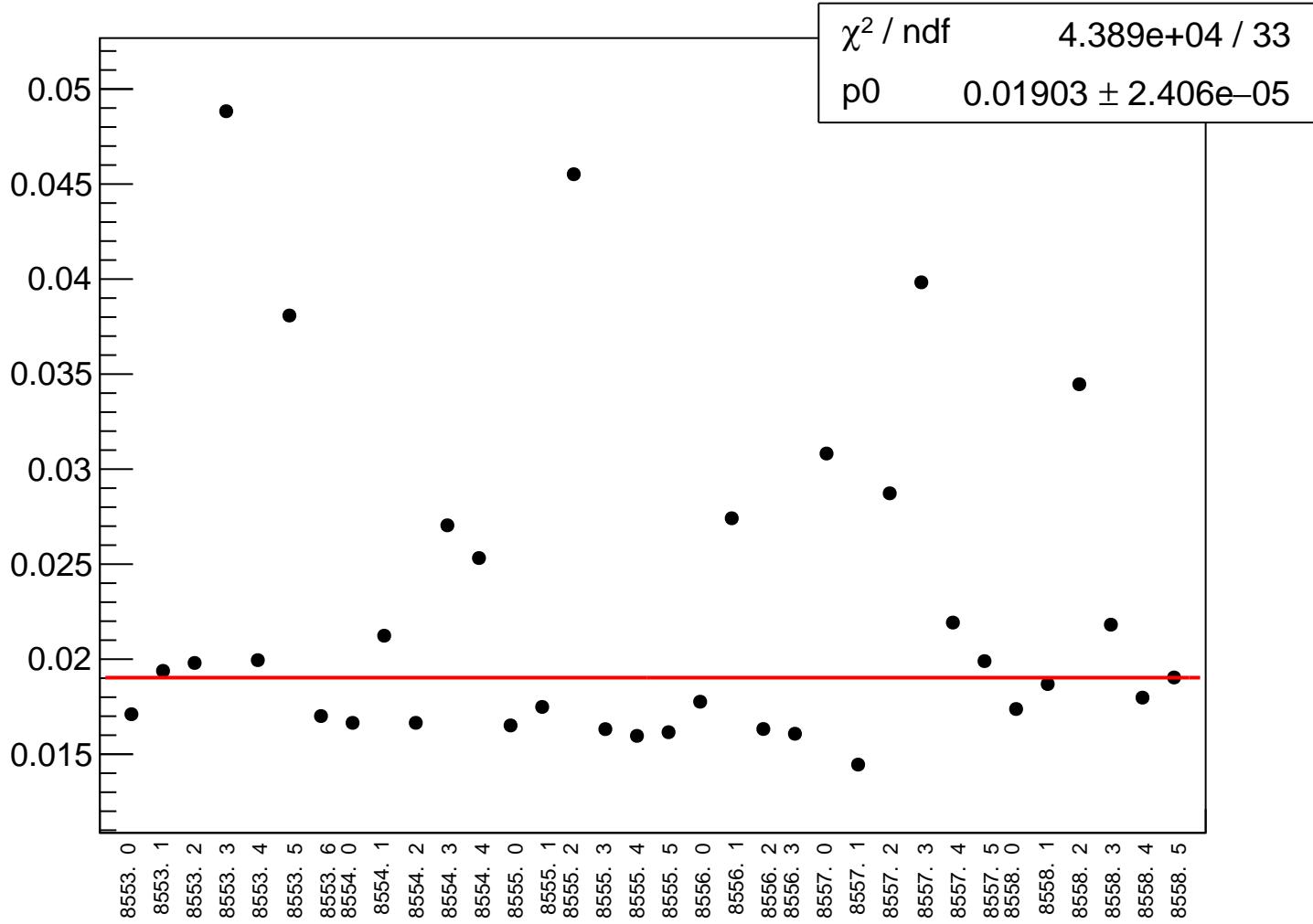
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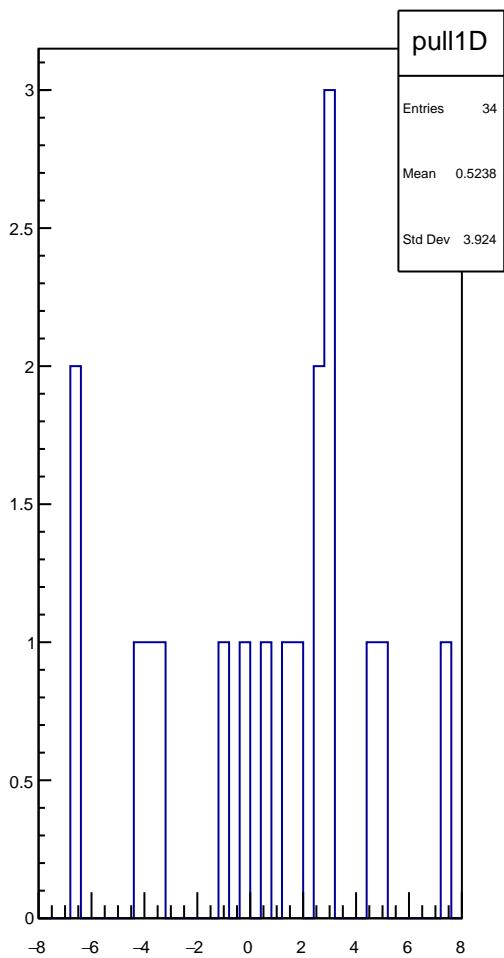
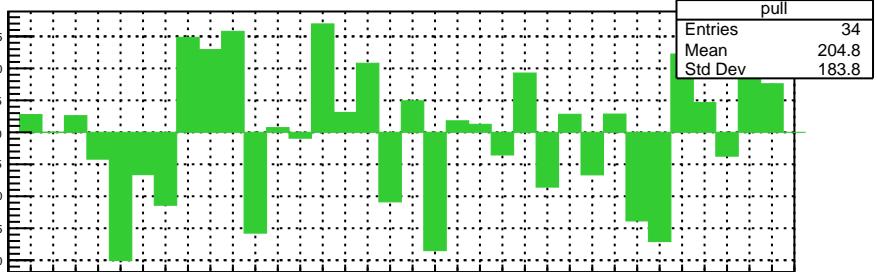
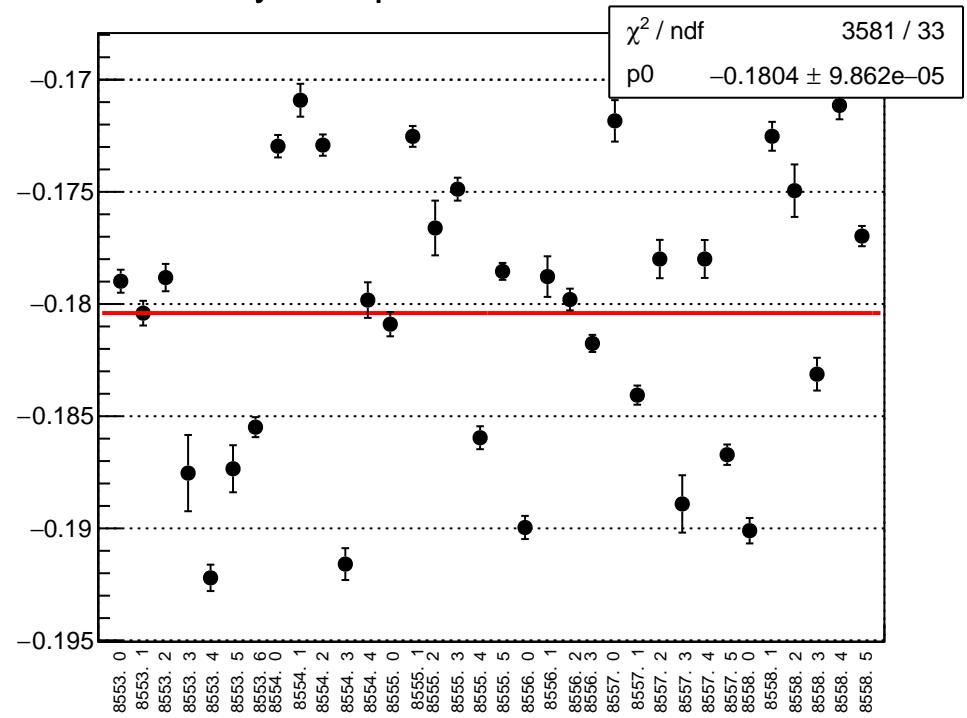
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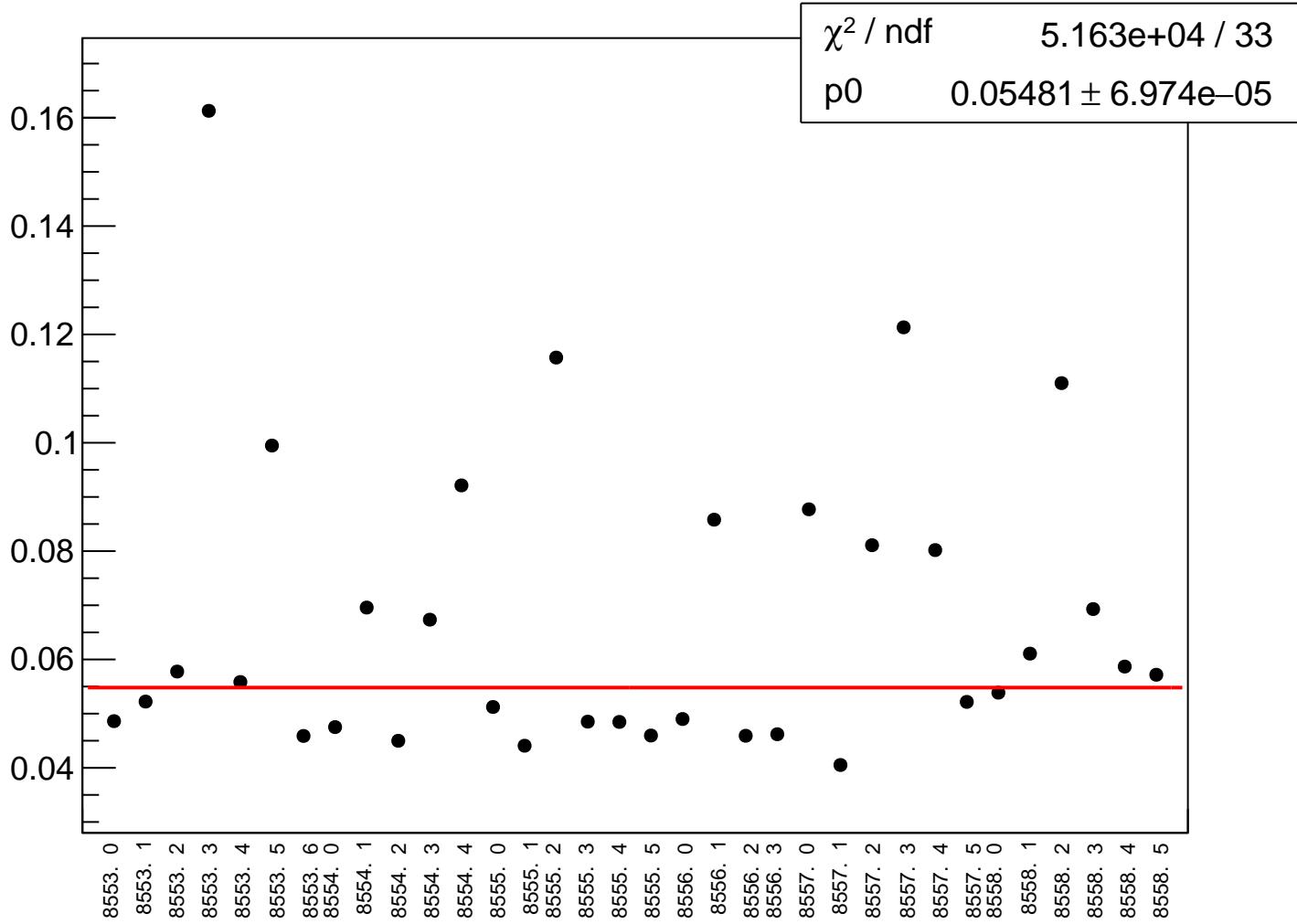
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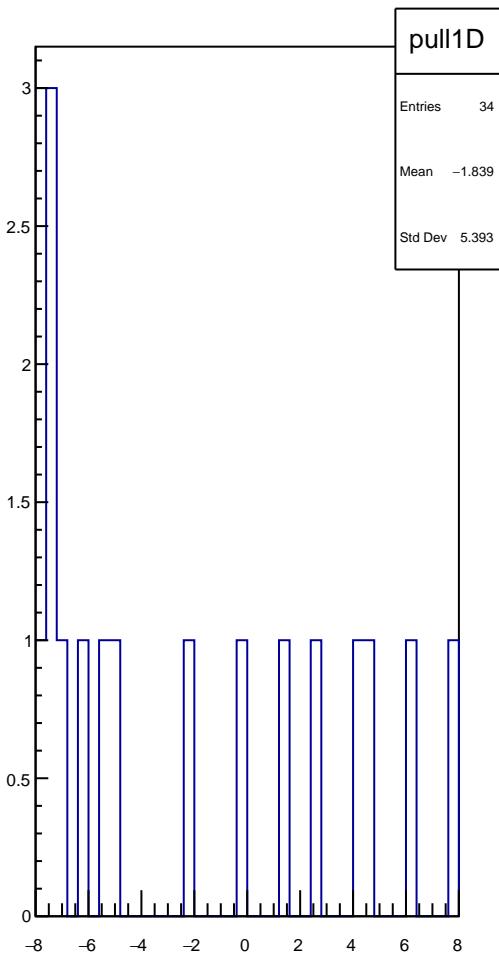
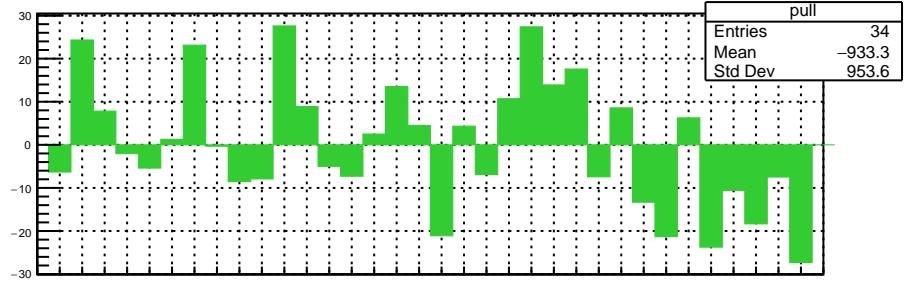
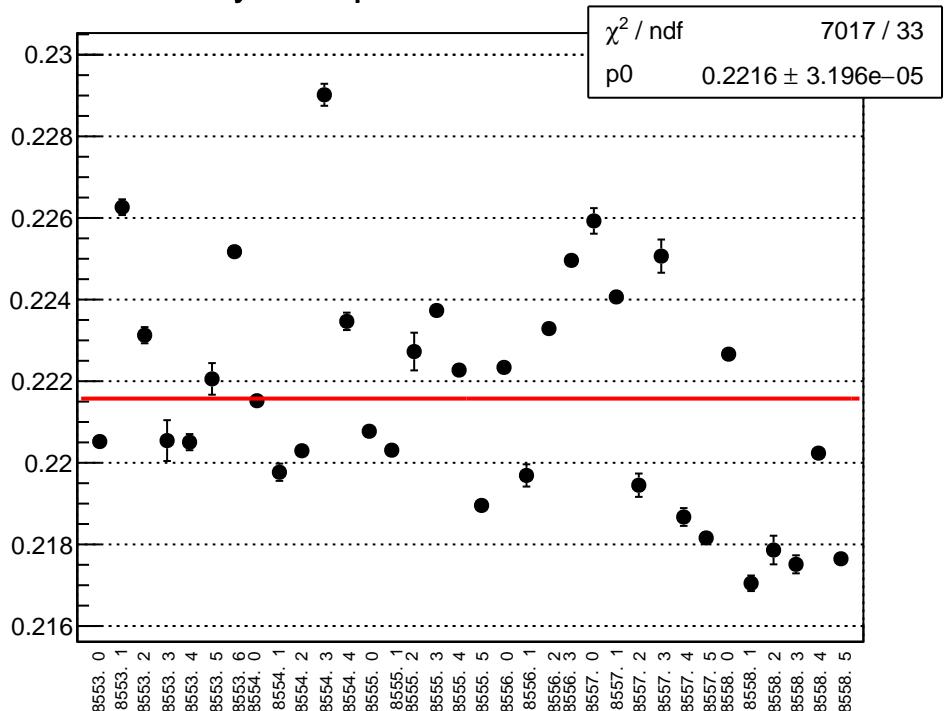
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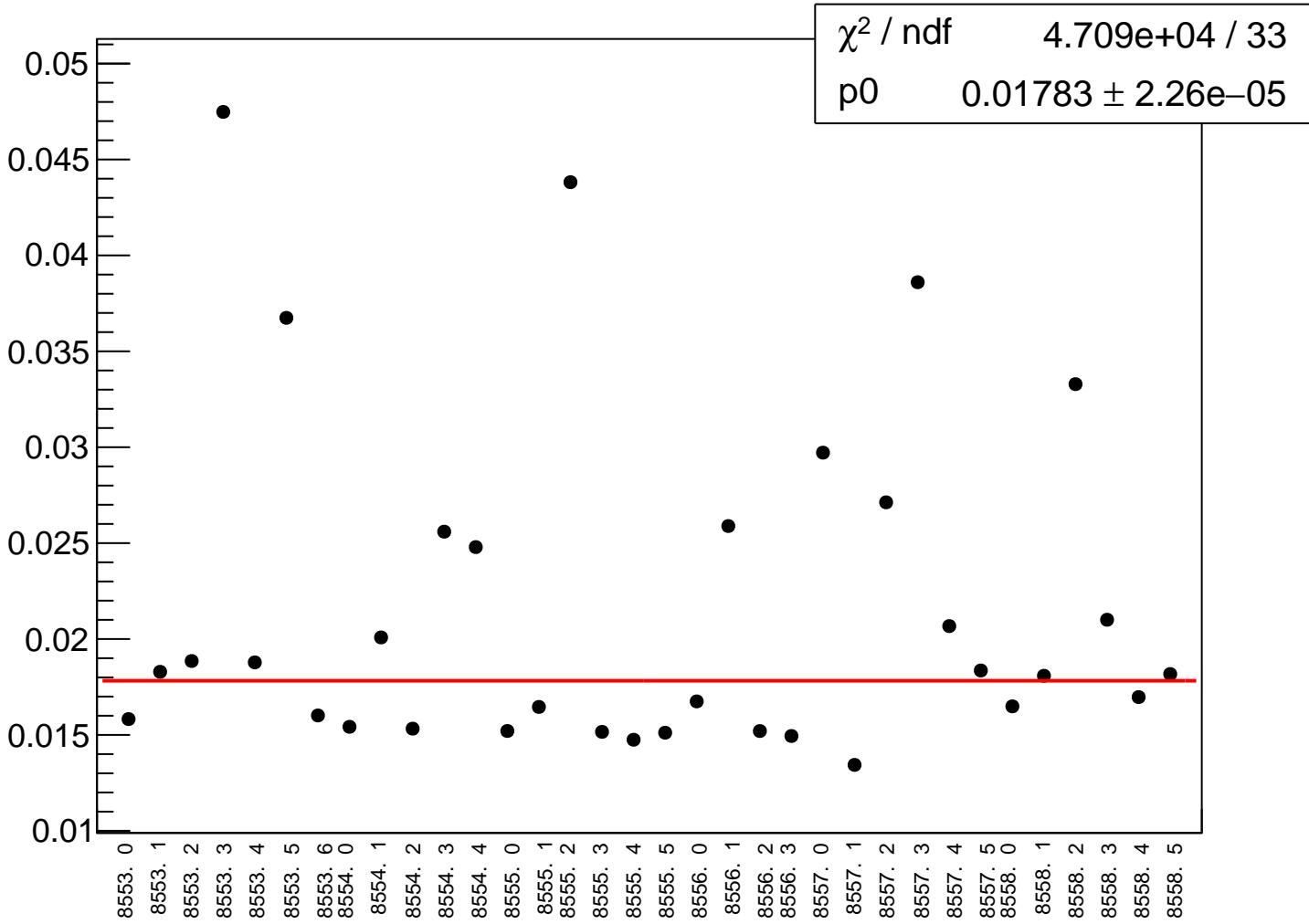
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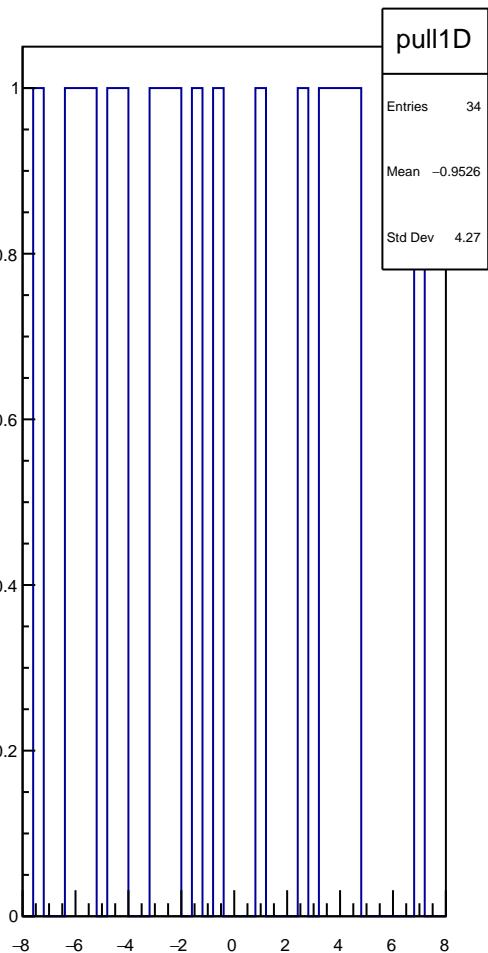
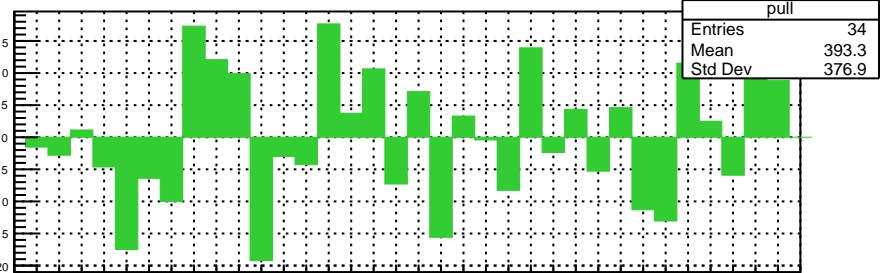
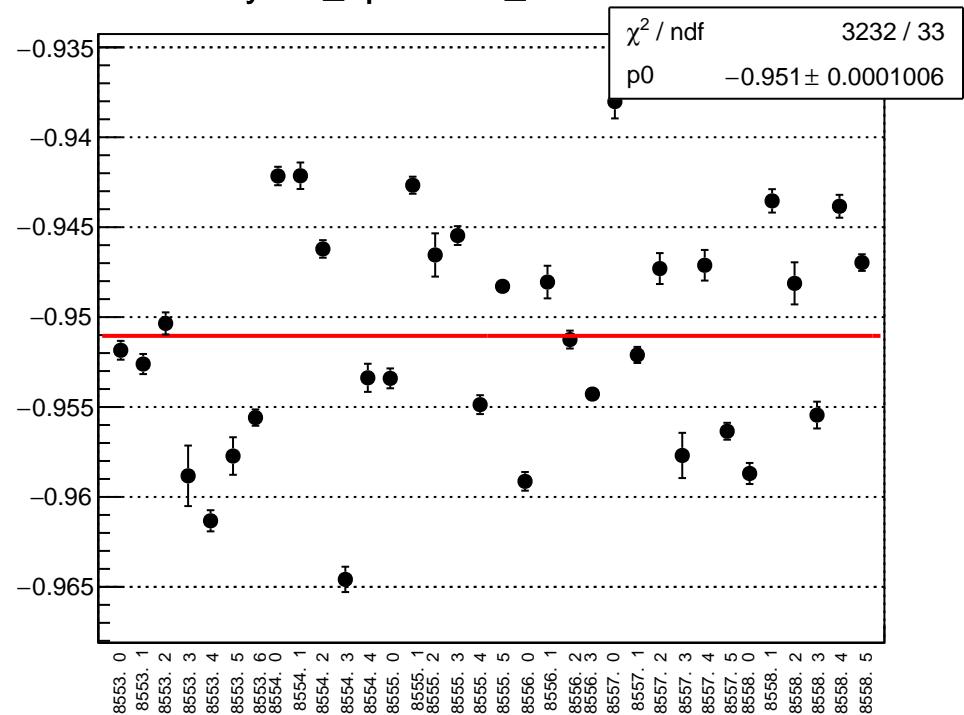
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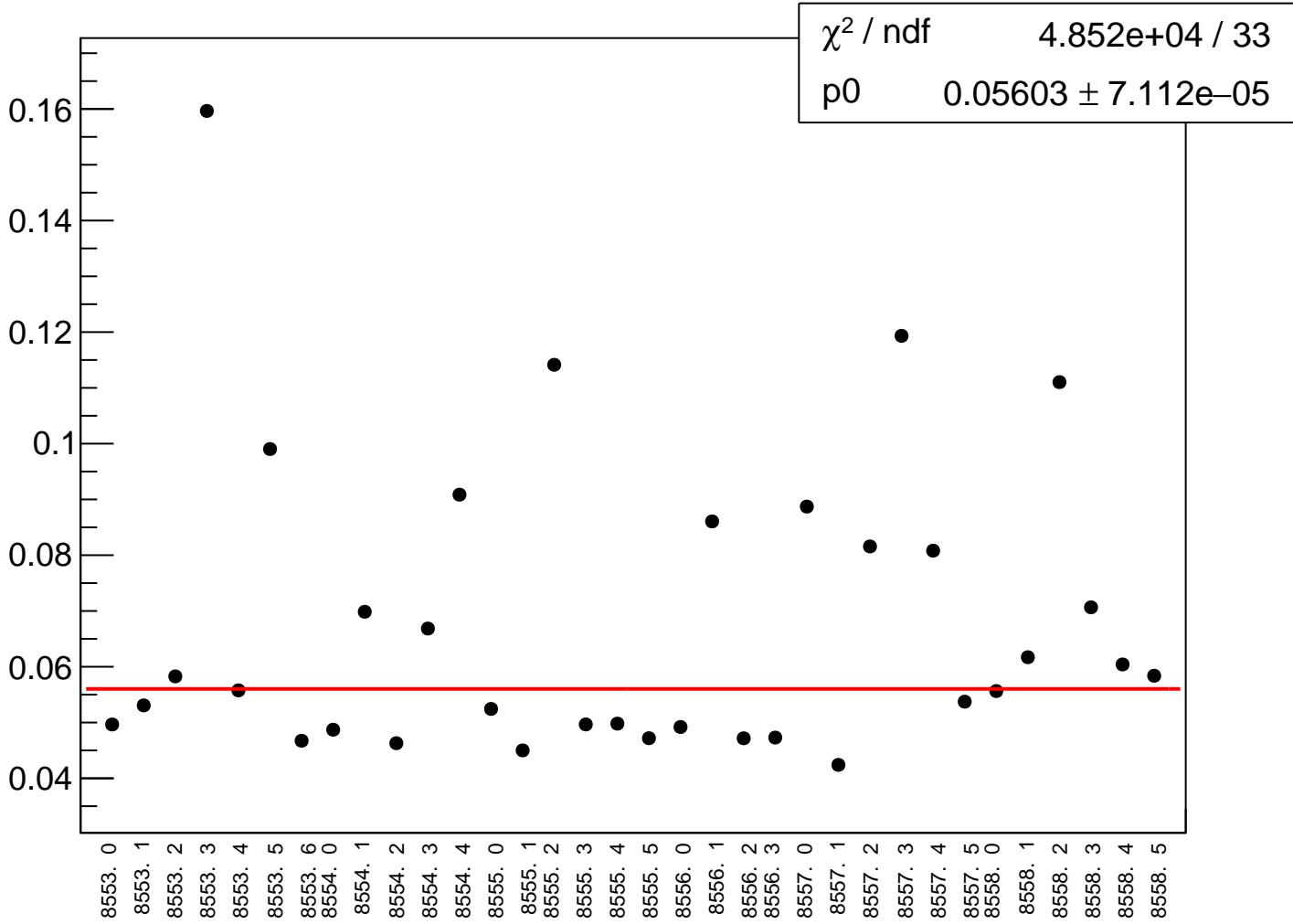
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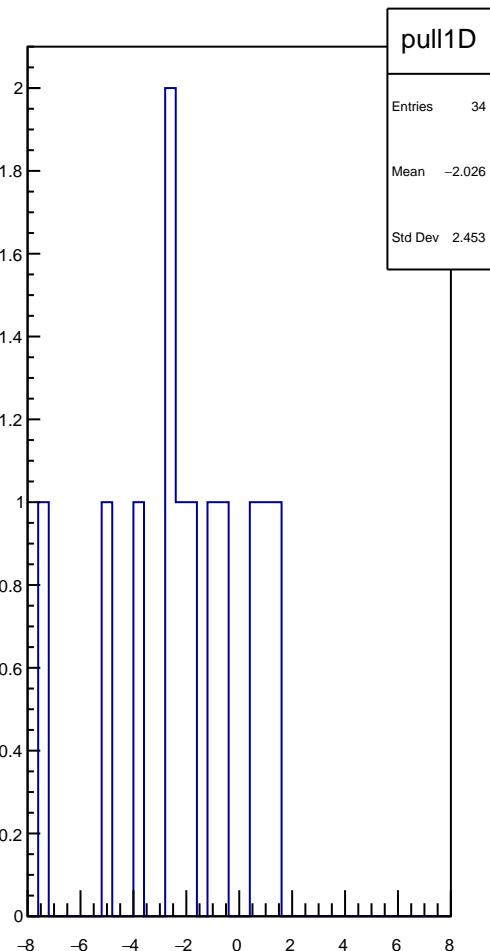
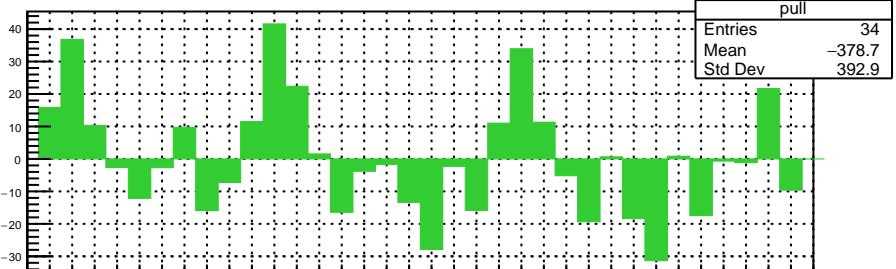
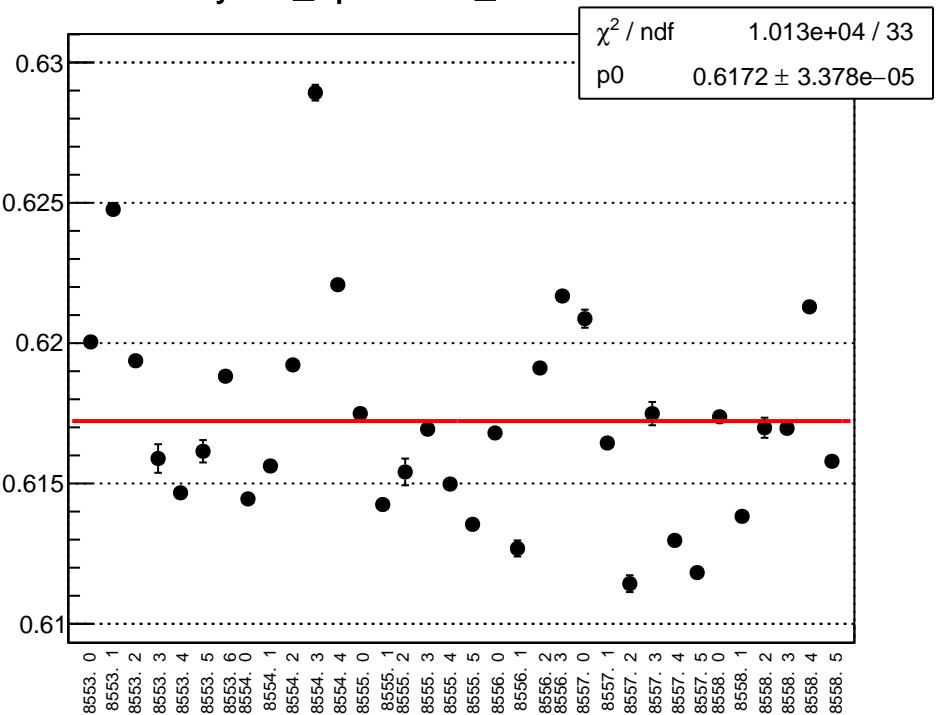
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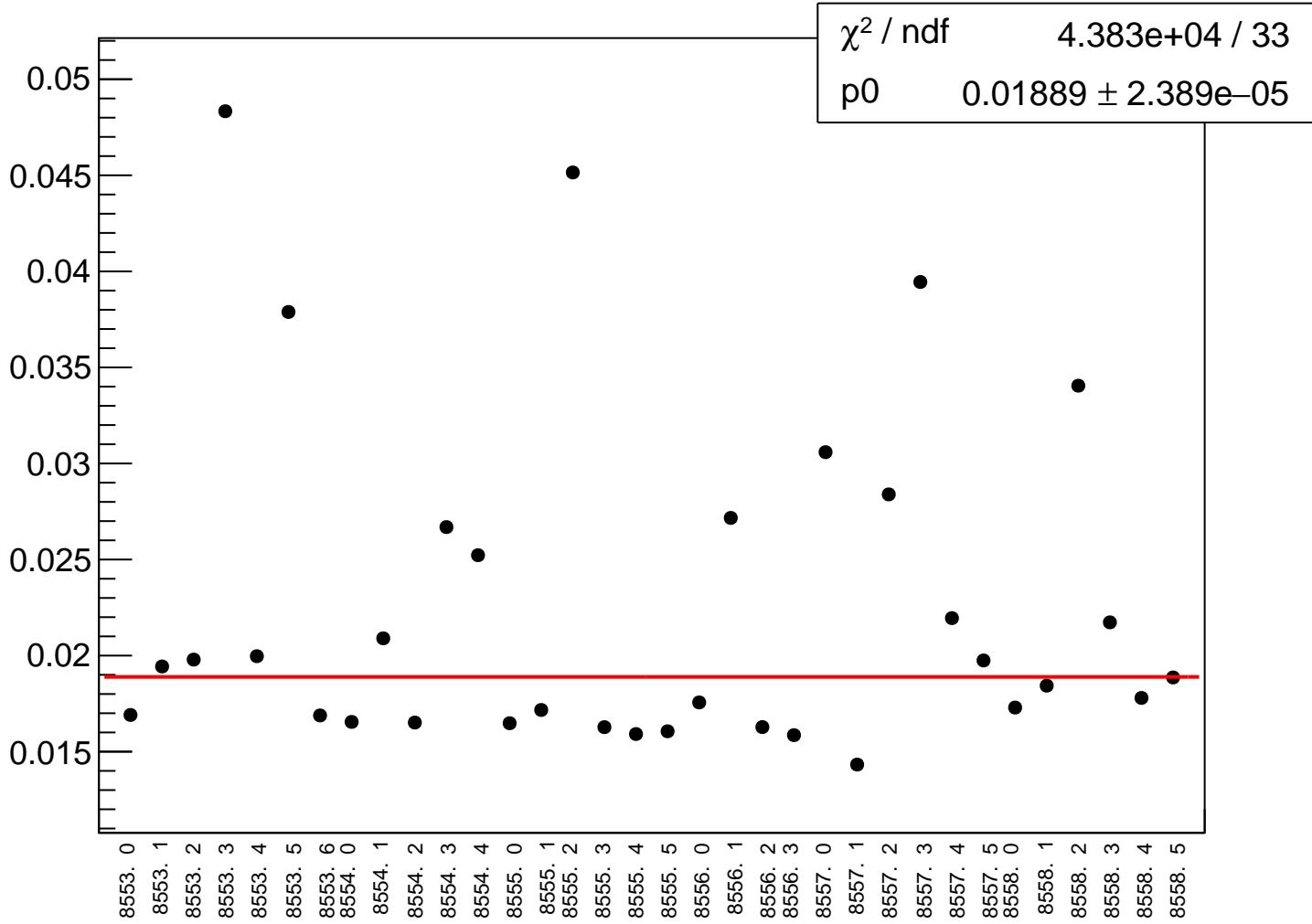
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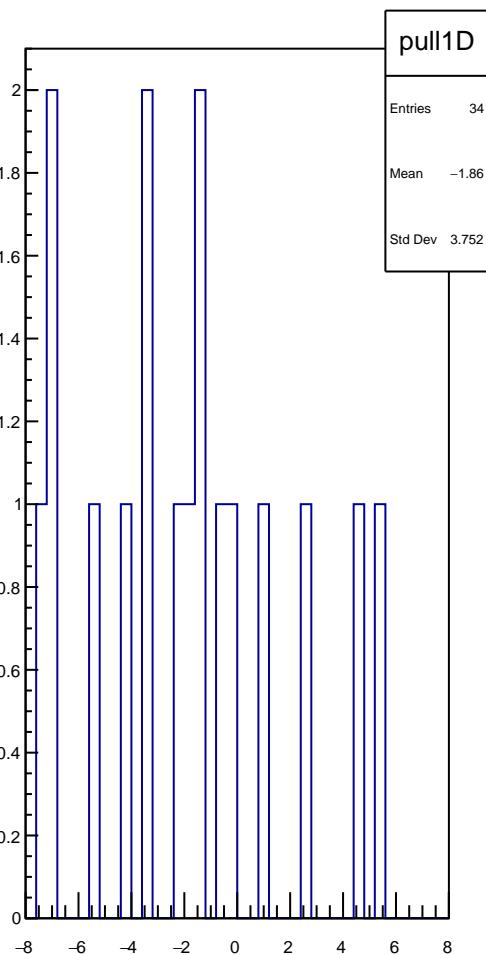
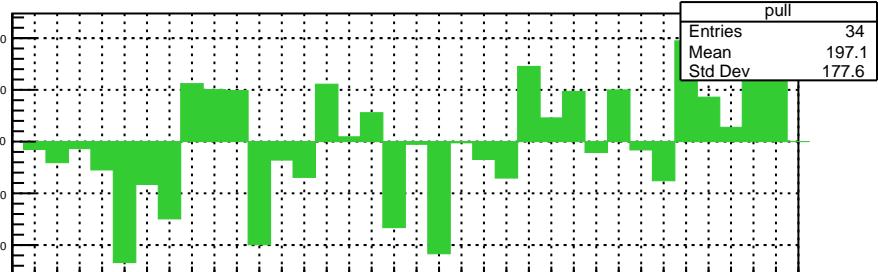
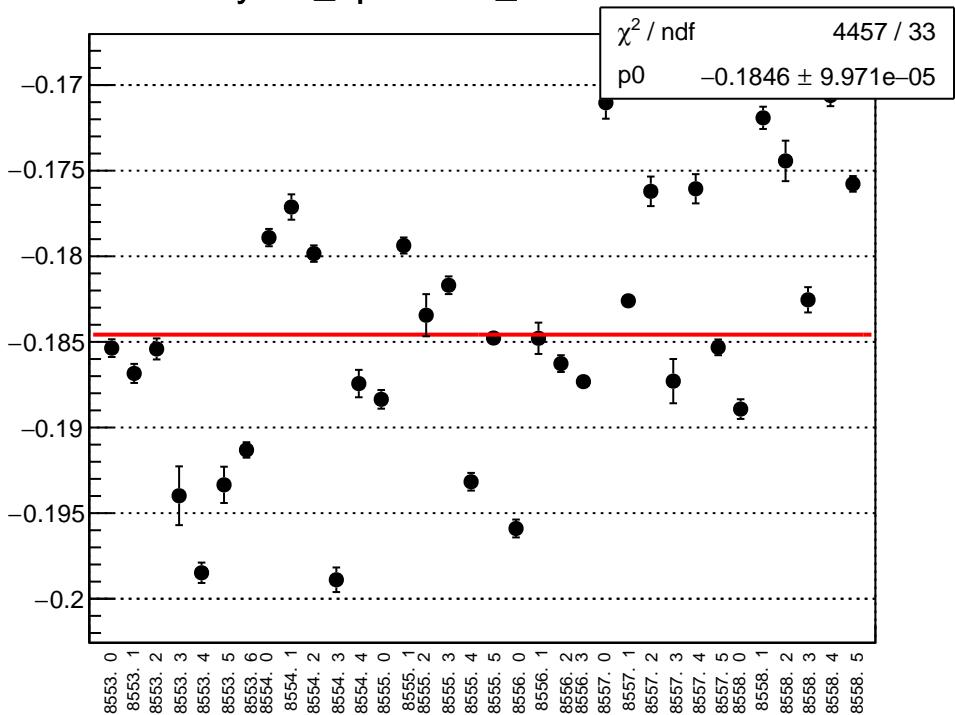
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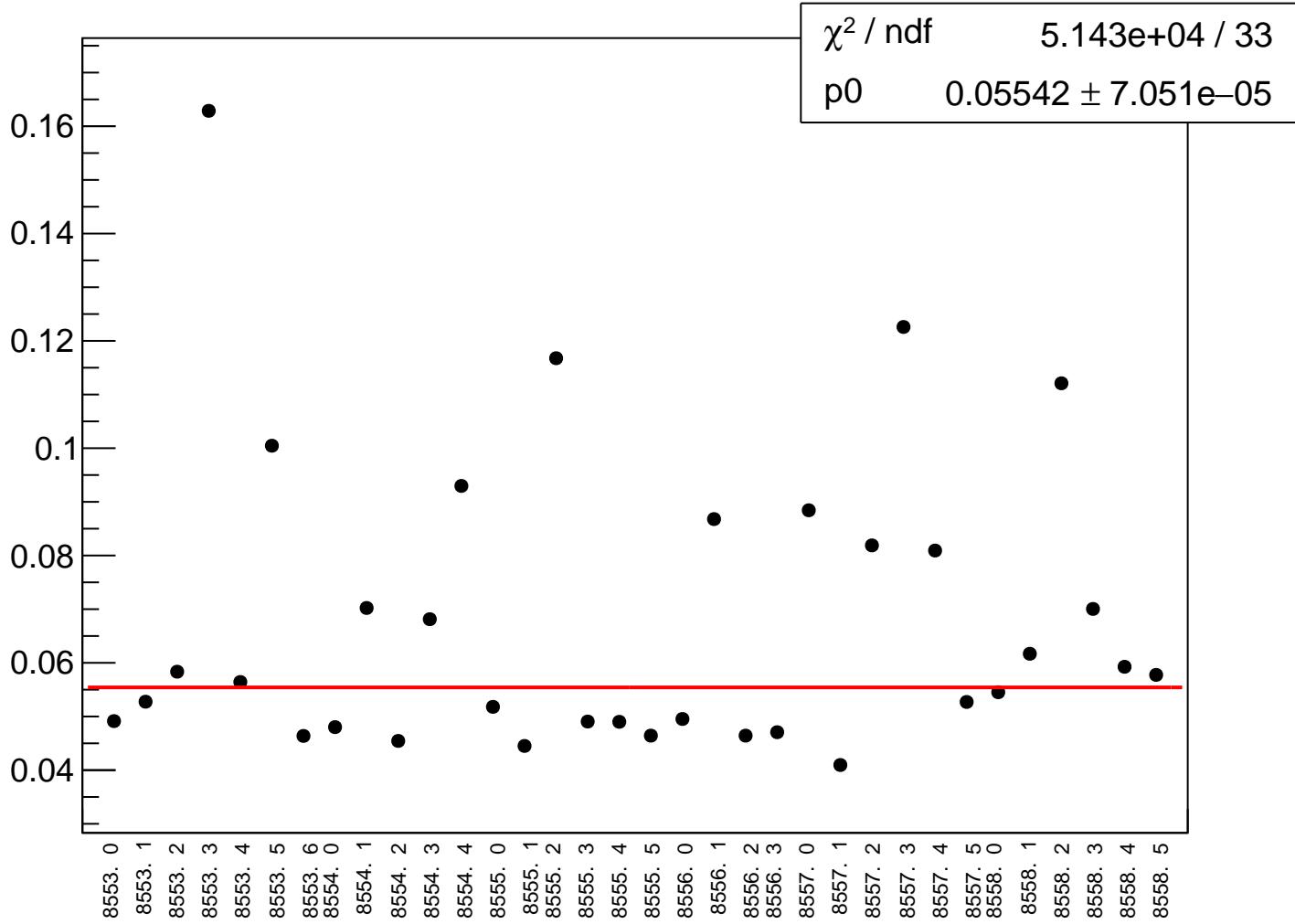
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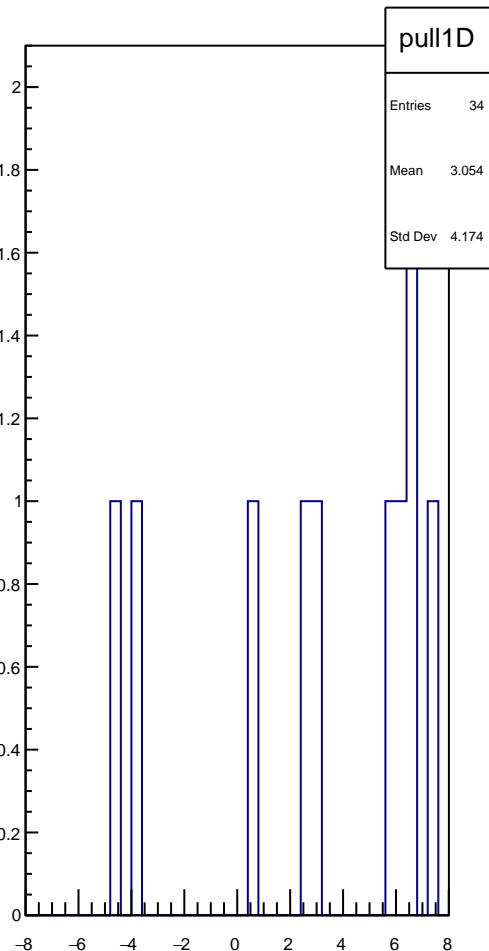
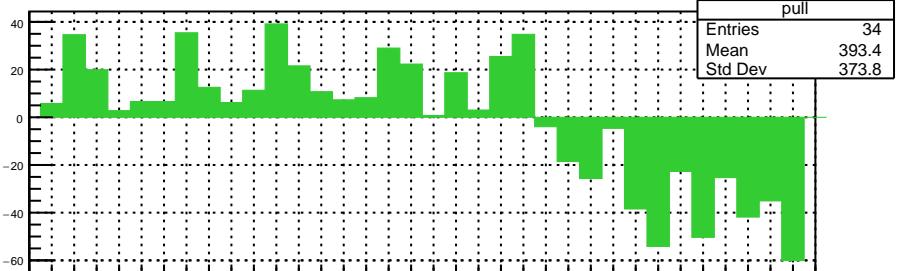
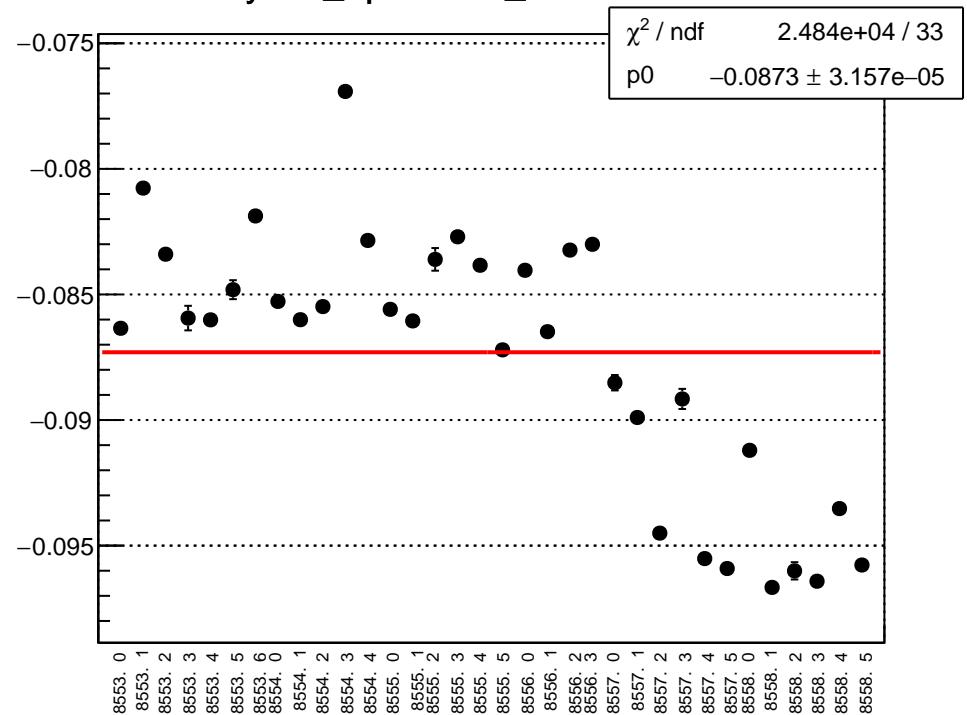
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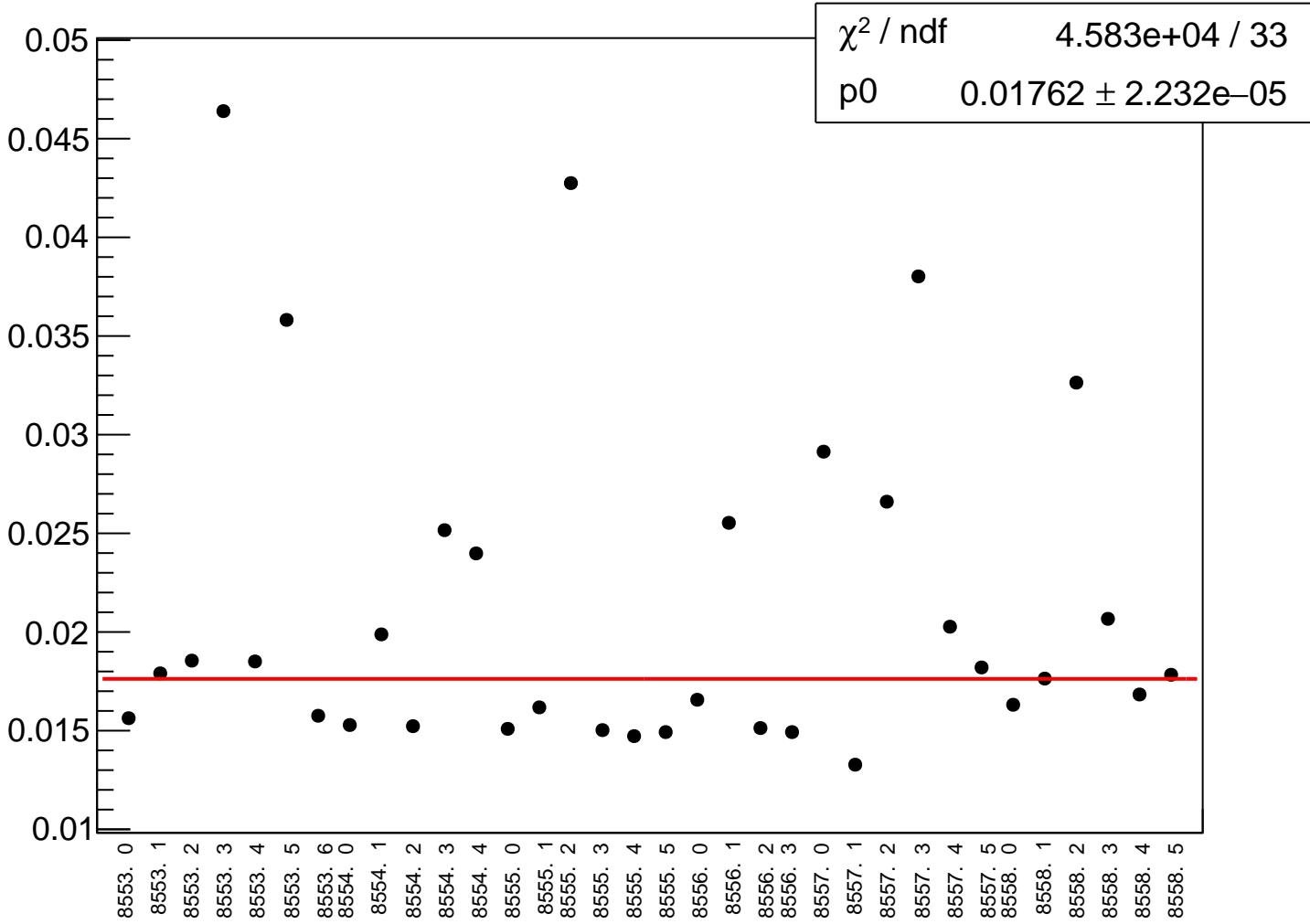
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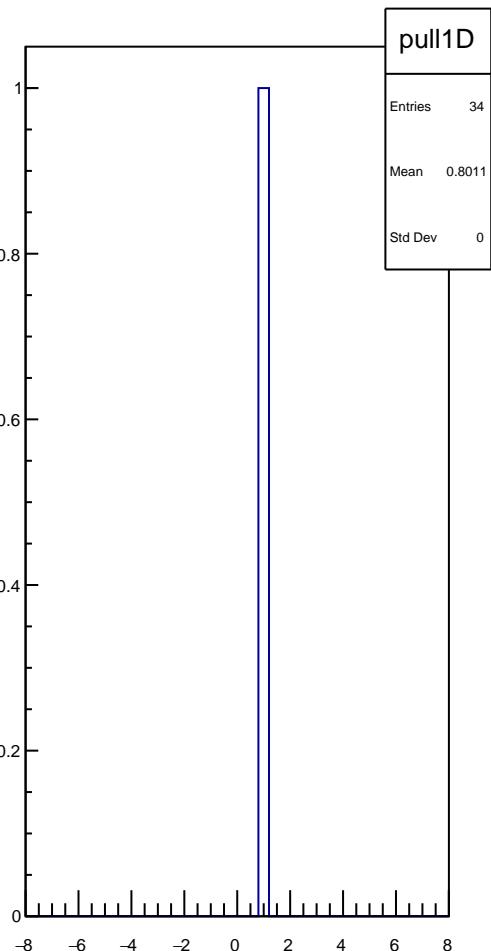
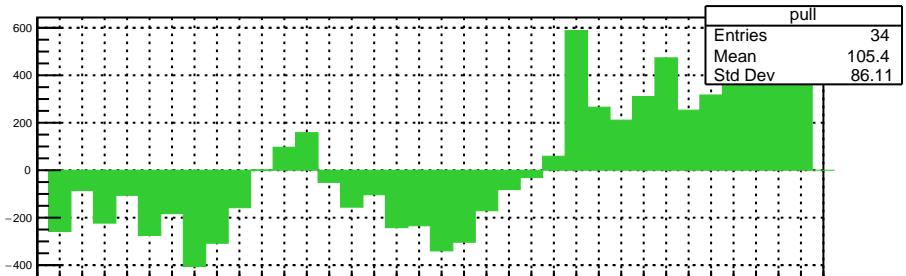
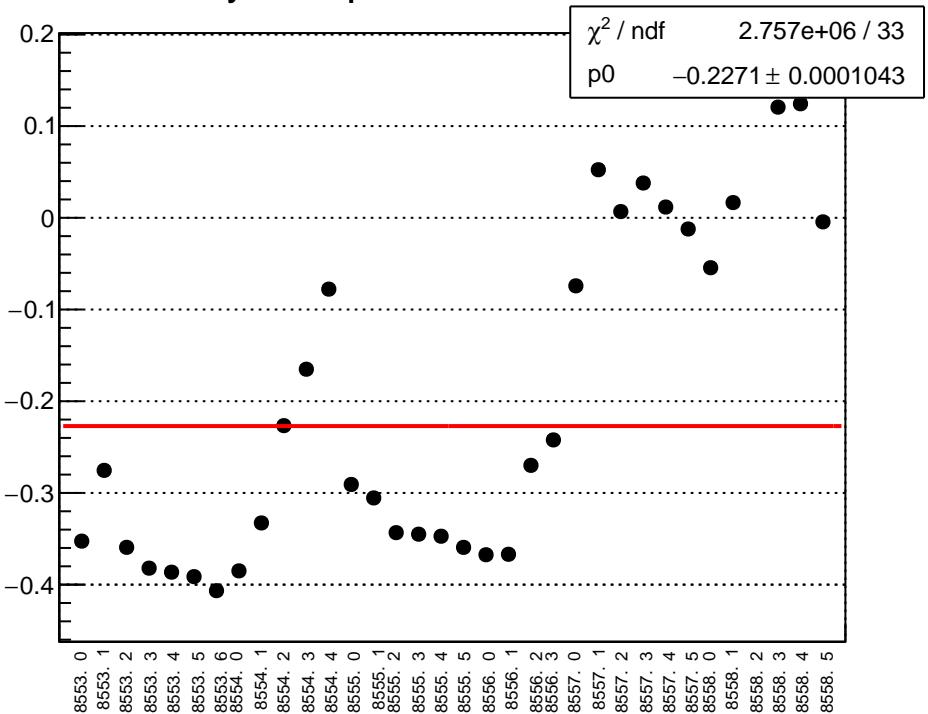
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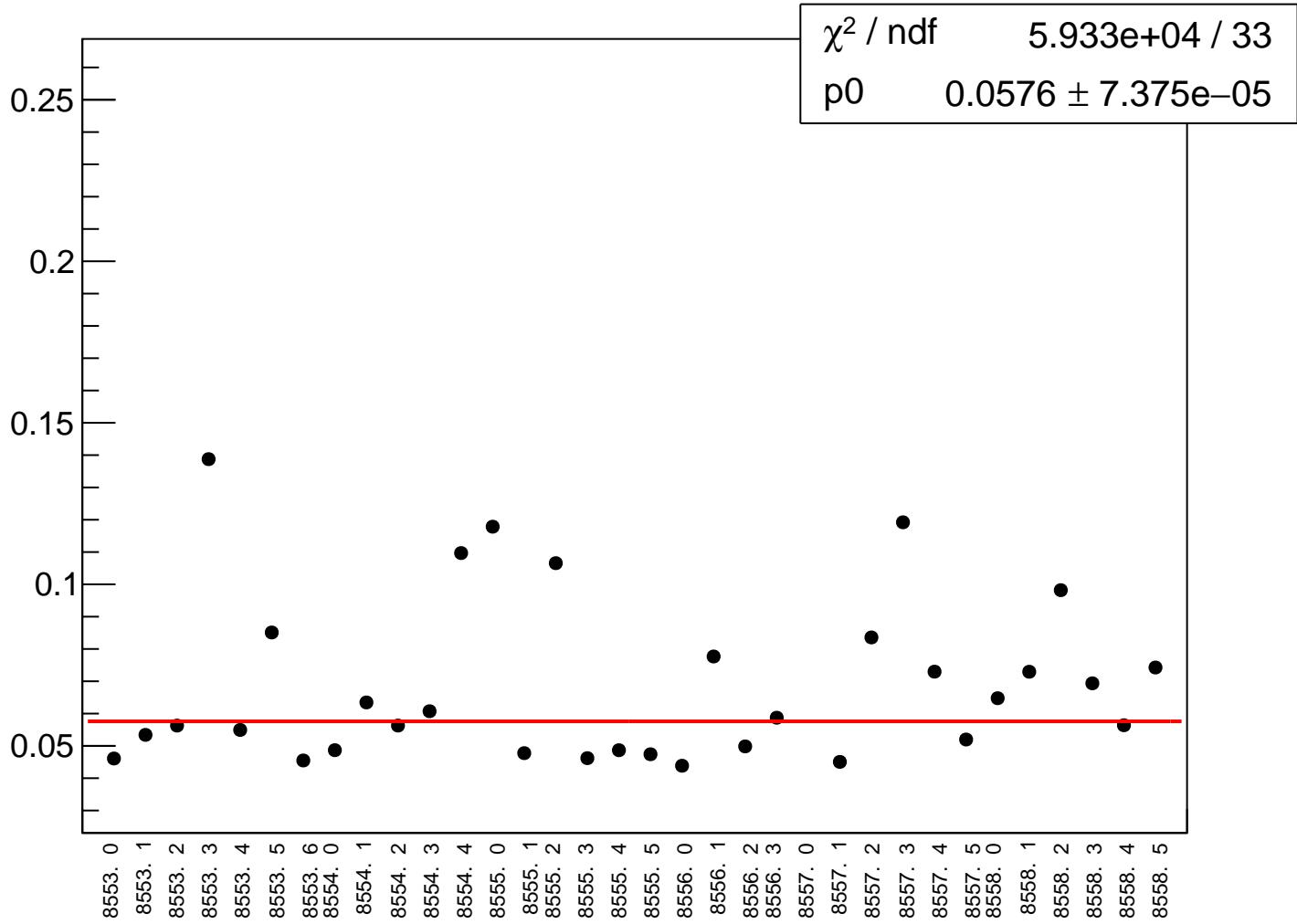
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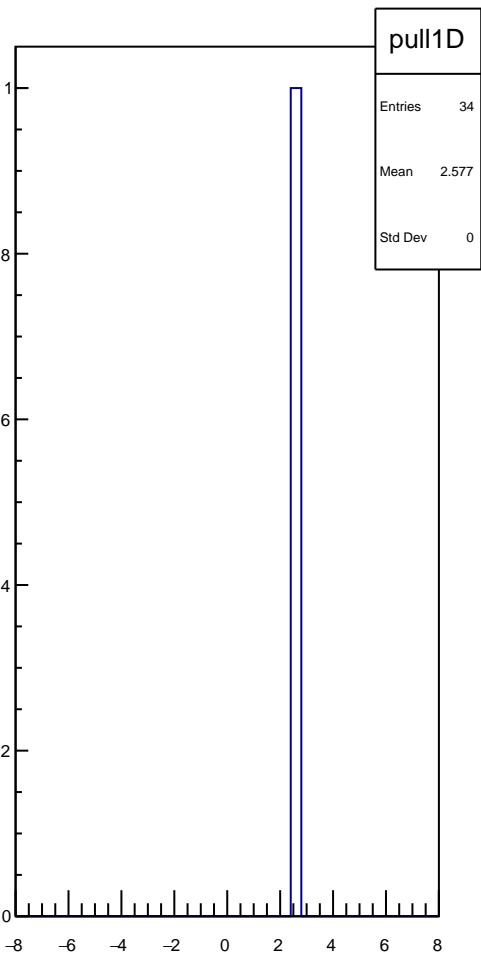
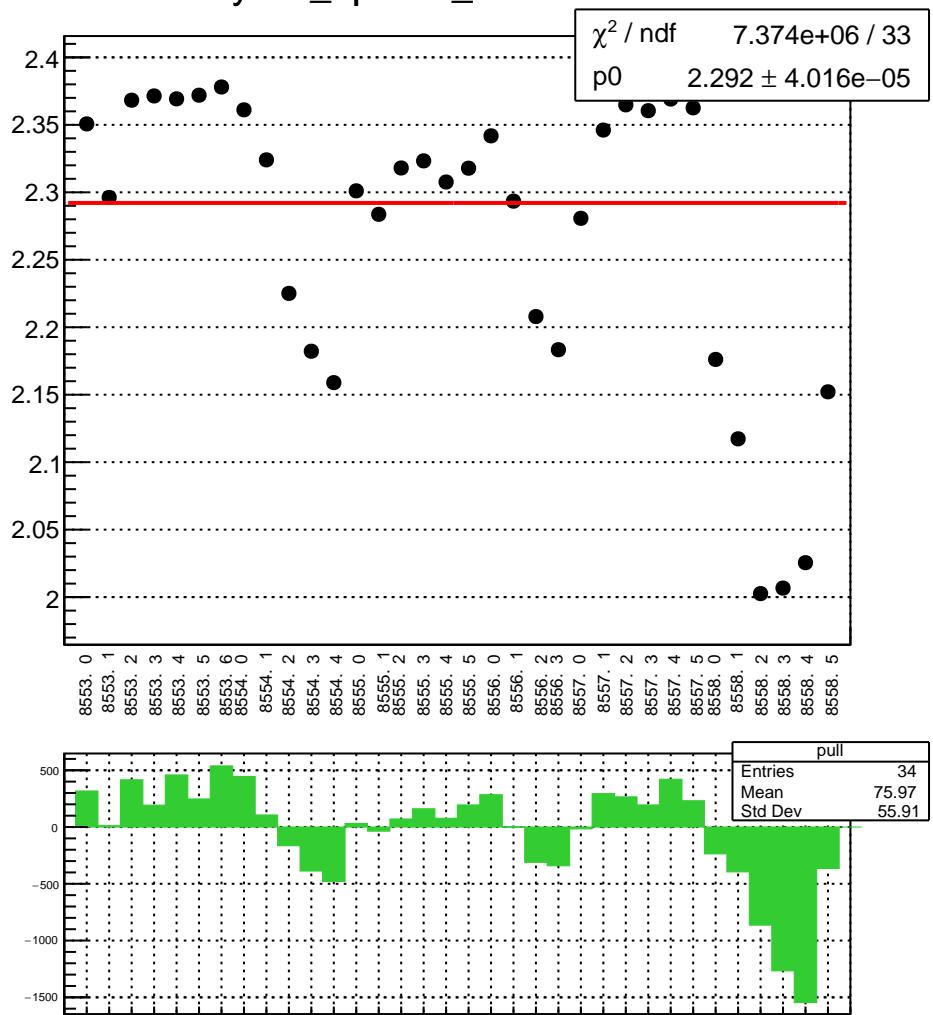
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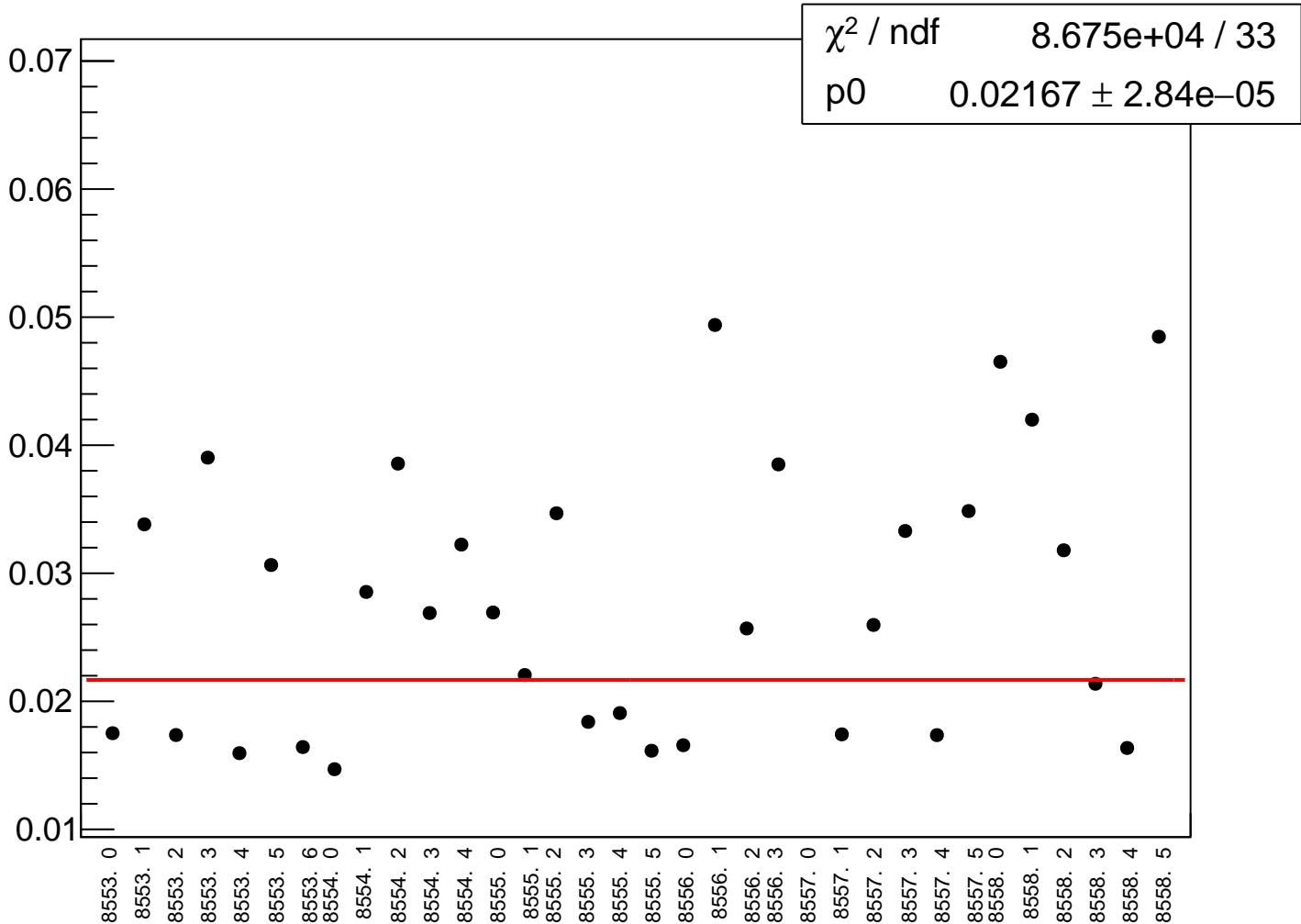
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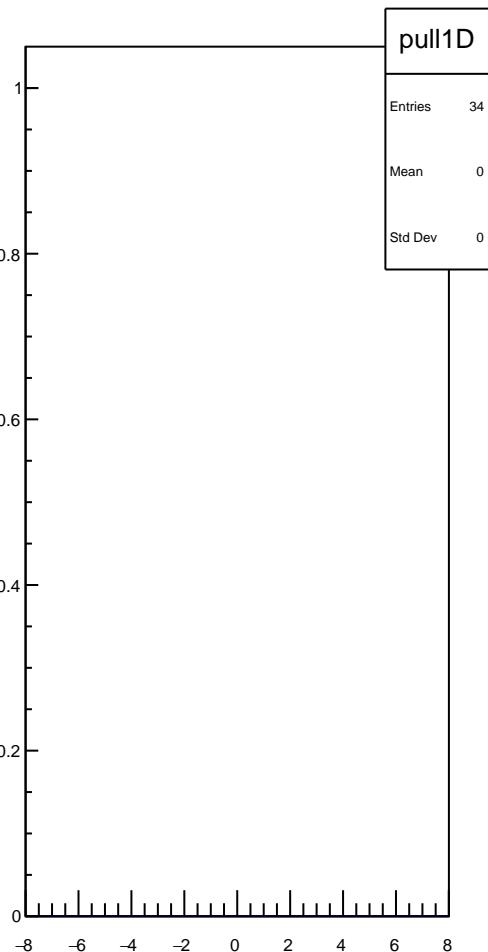
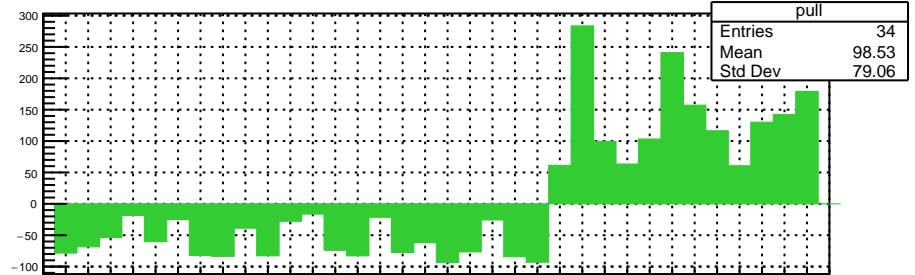
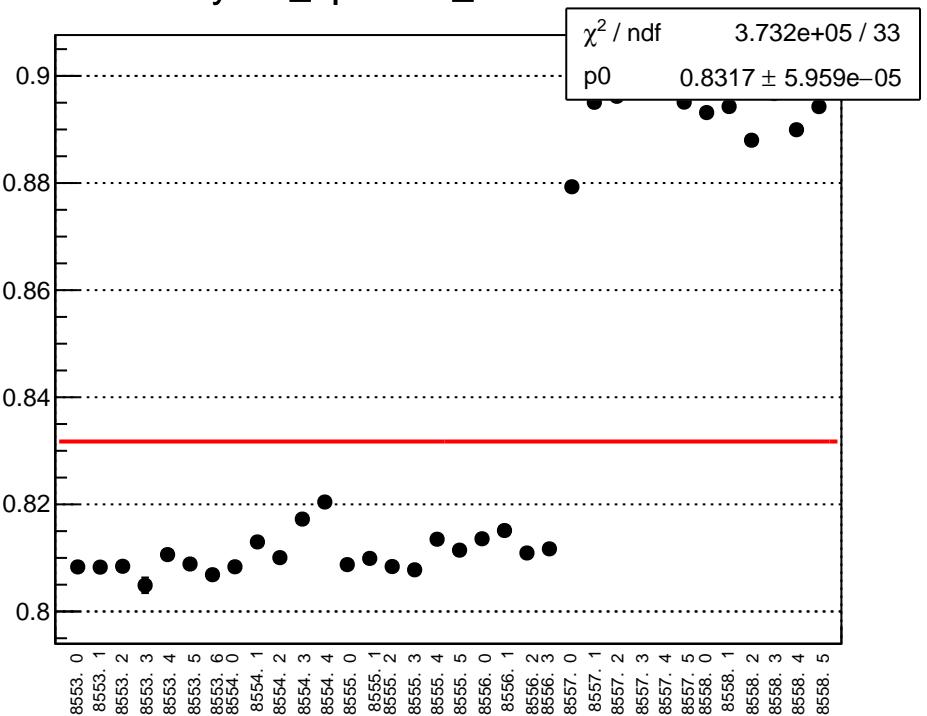
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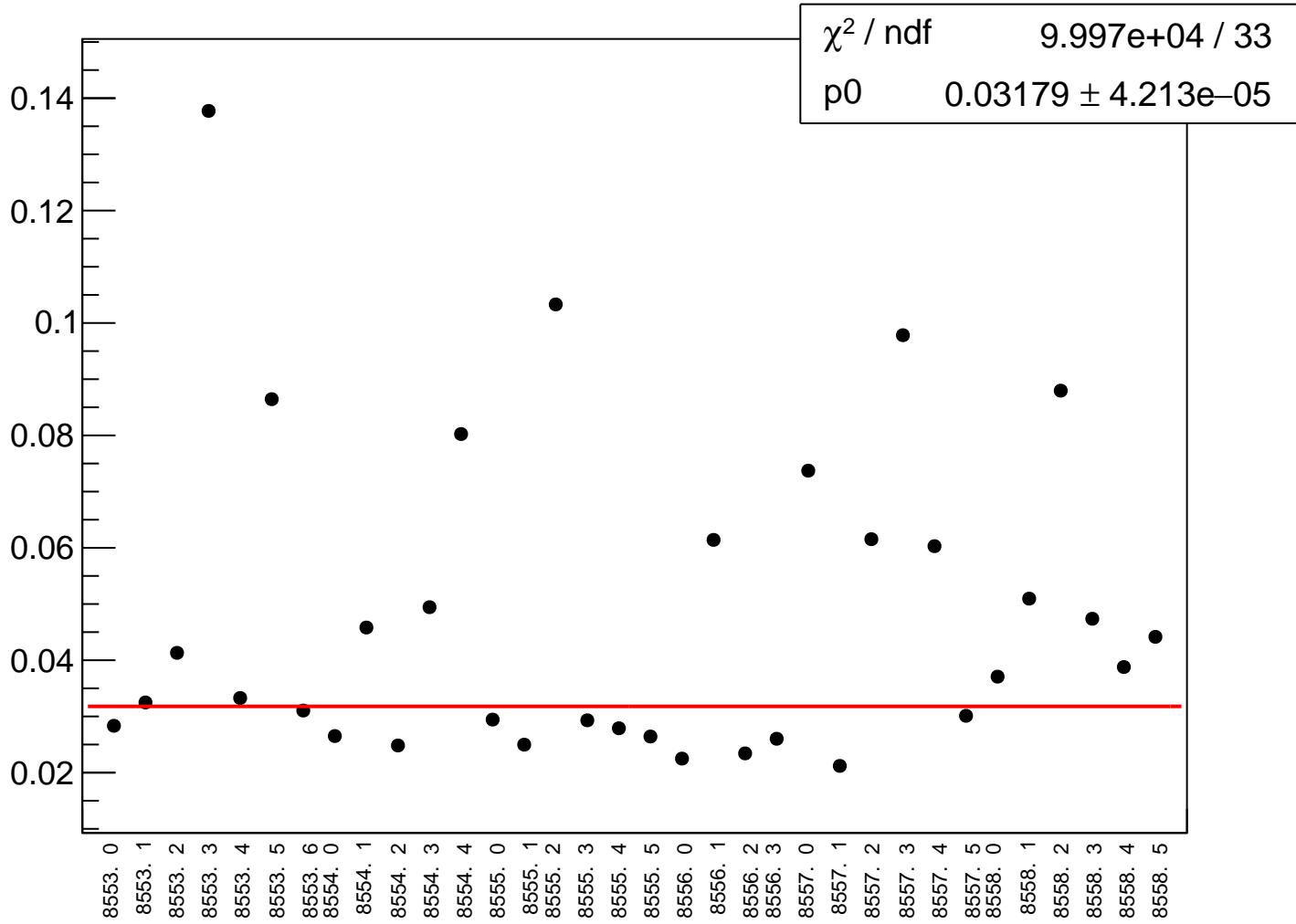
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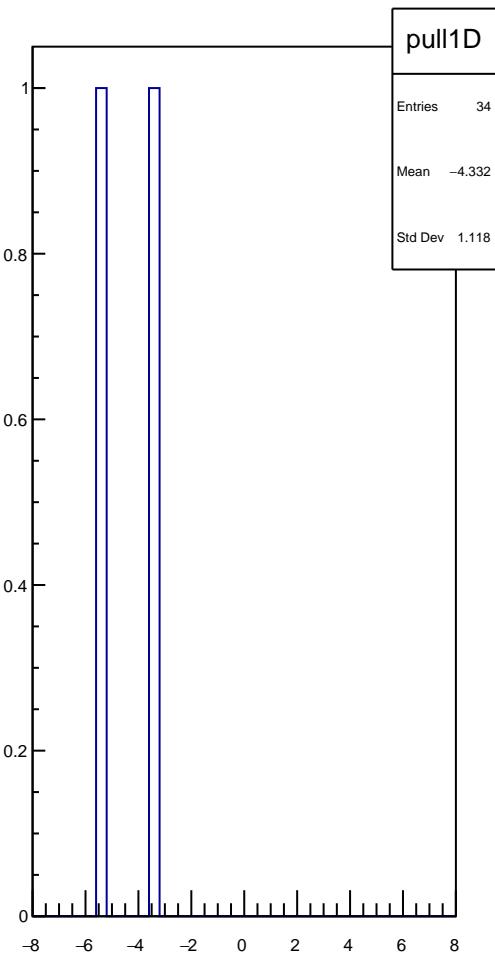
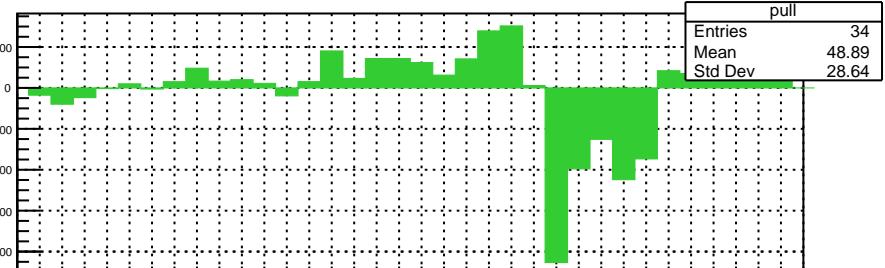
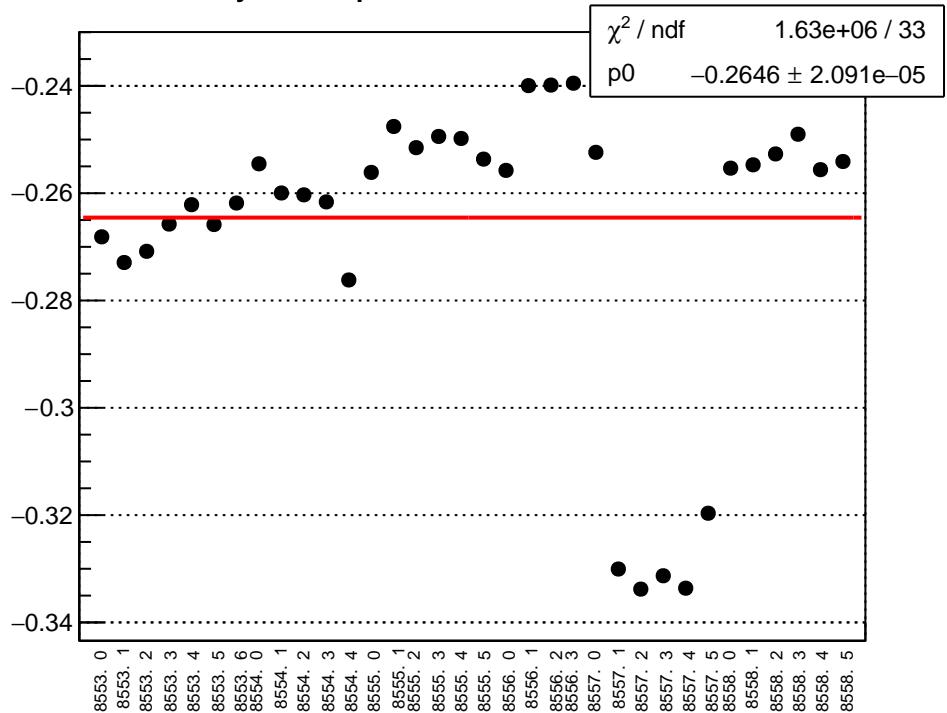
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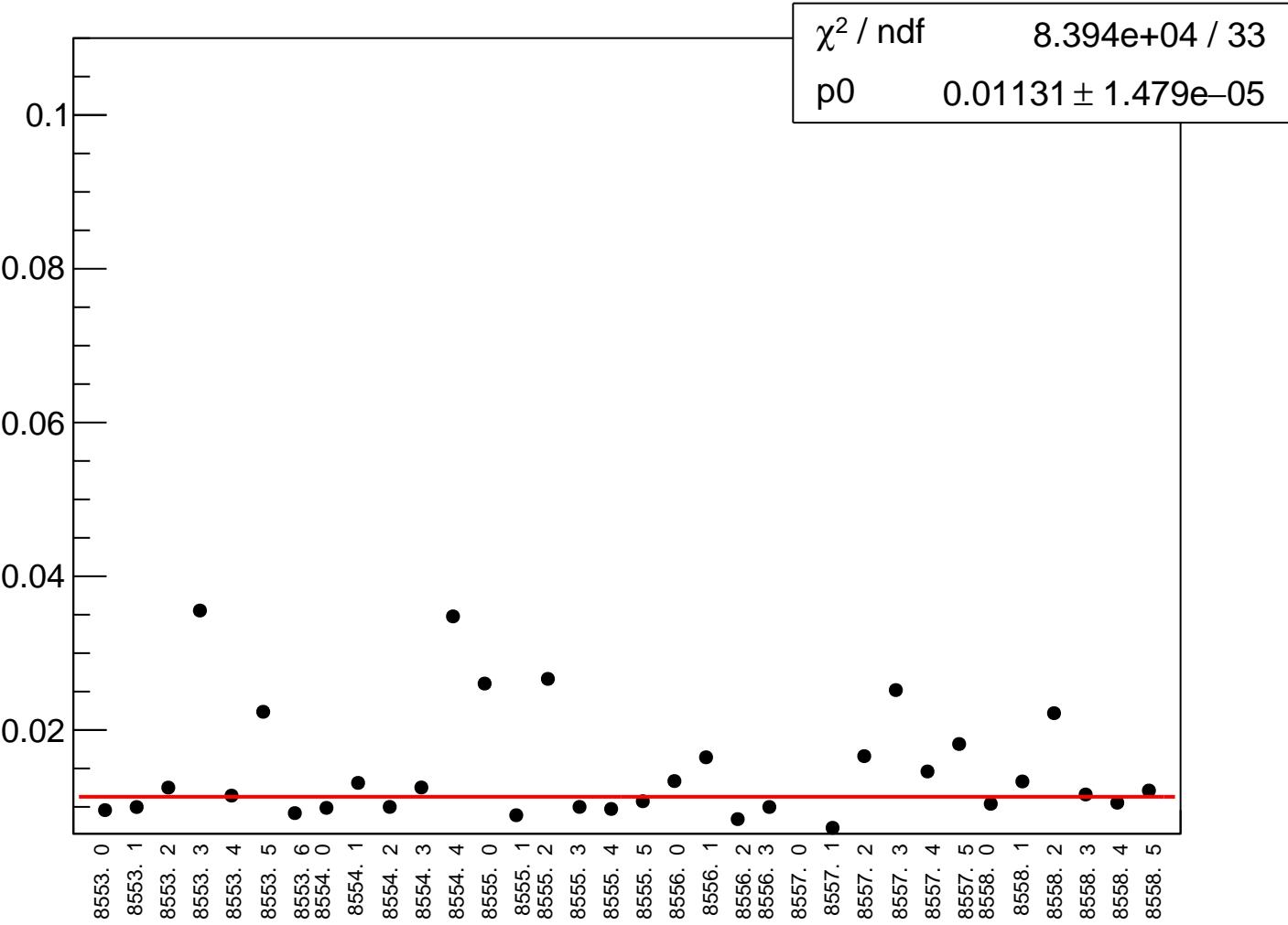
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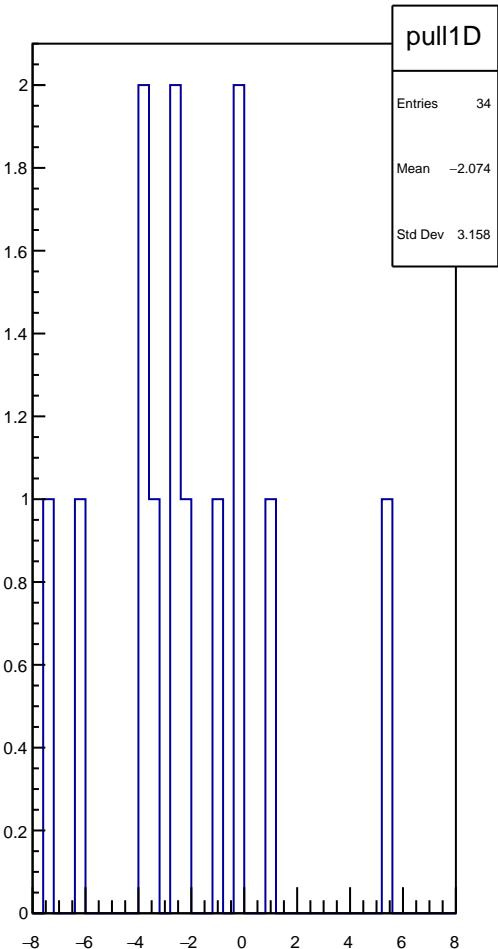
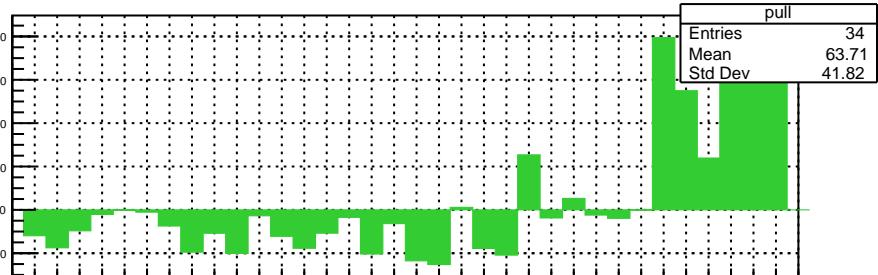
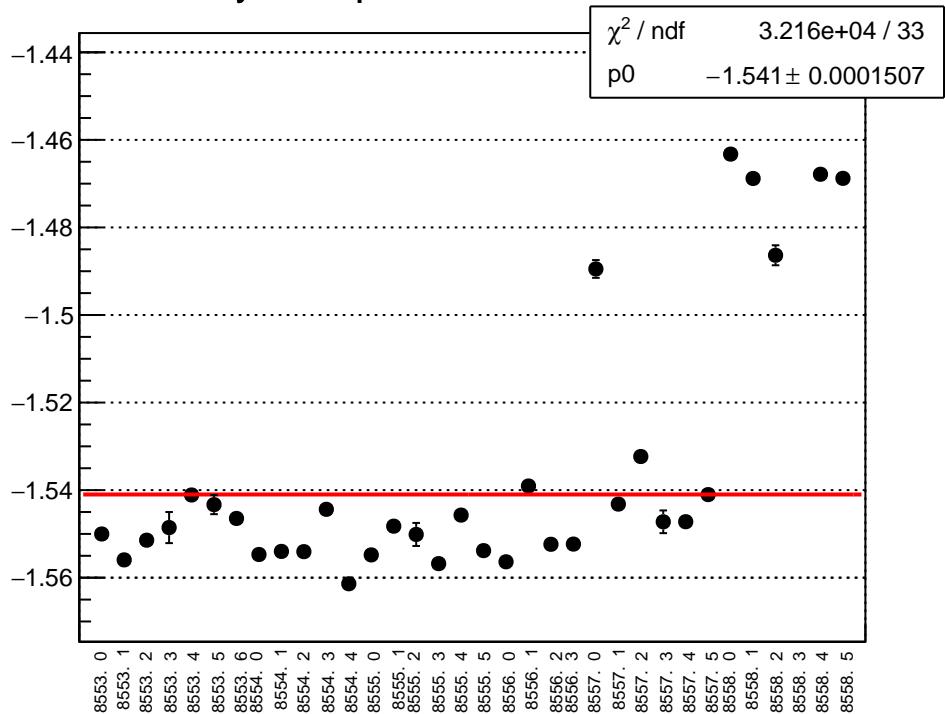
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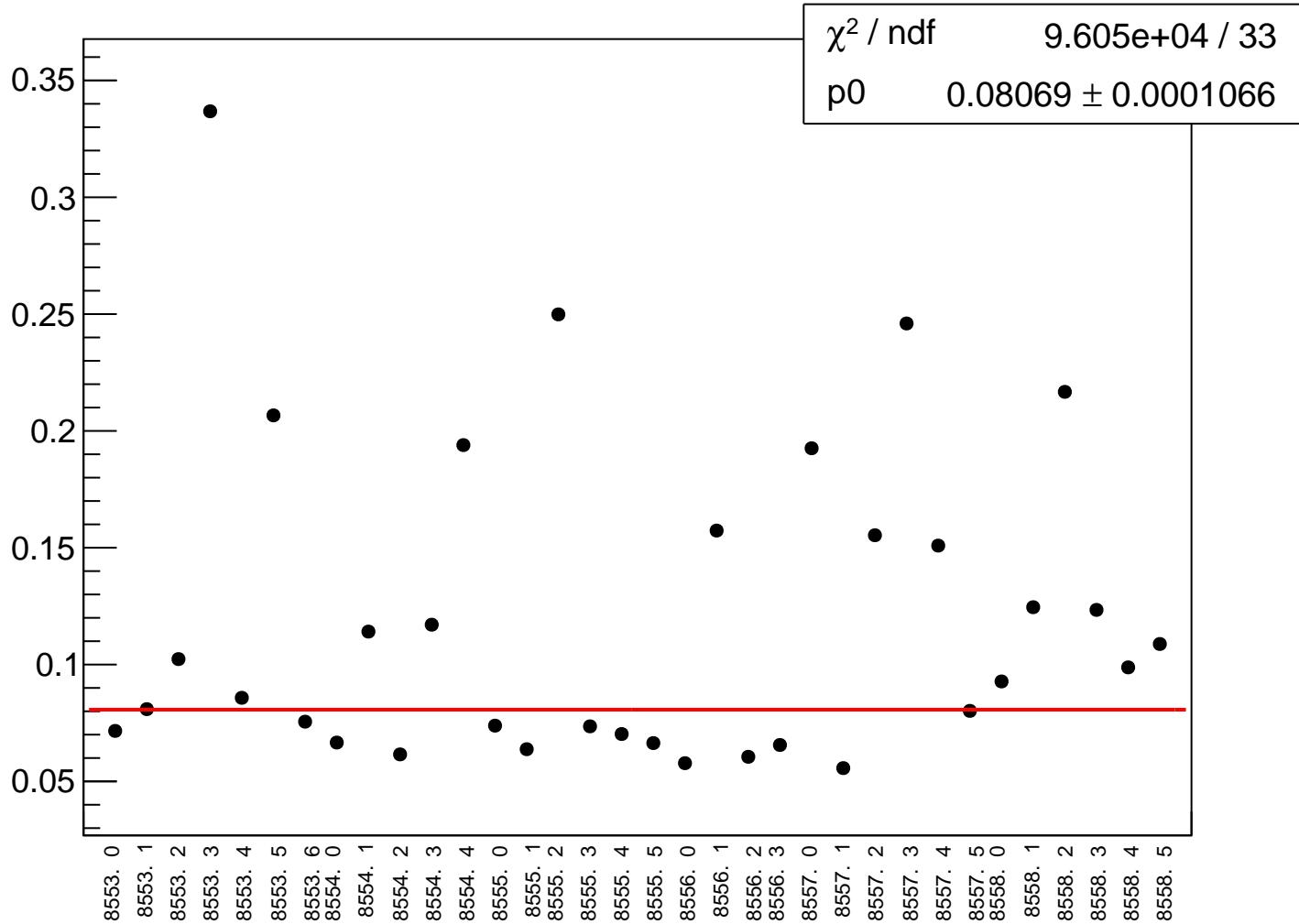
yield_bpm11Y_rms vs run



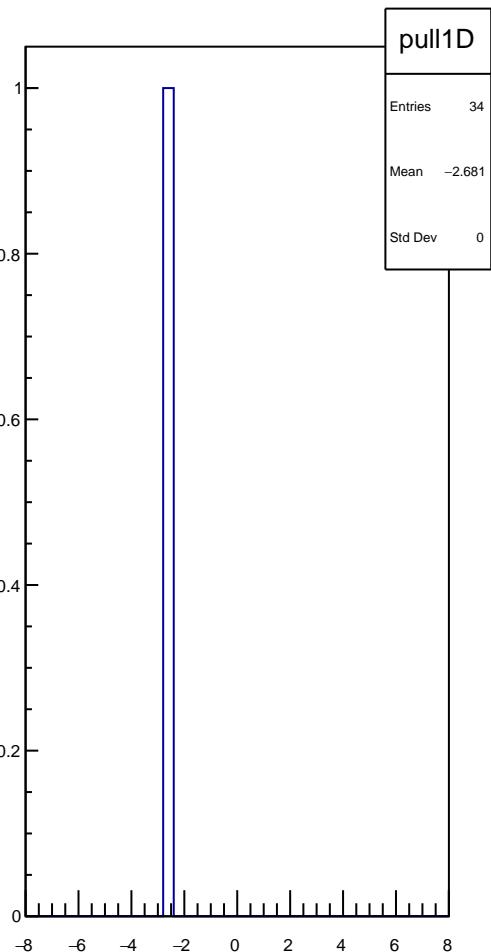
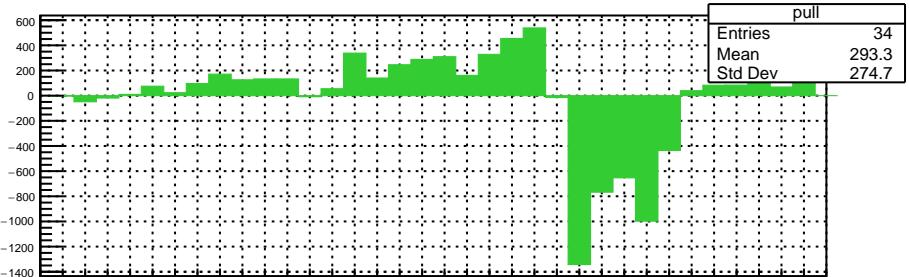
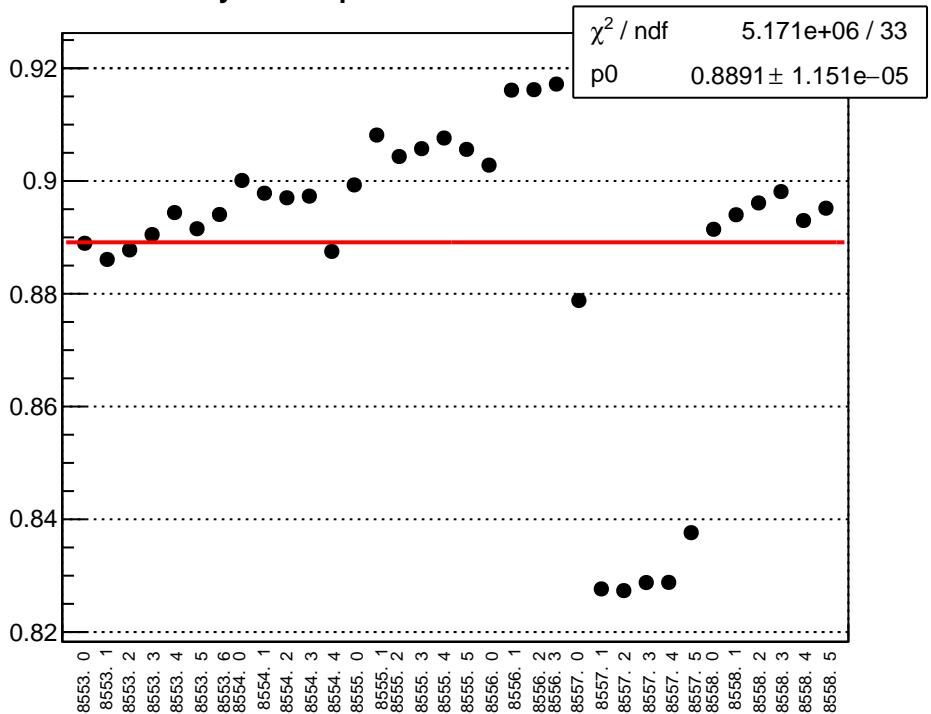
yield_bpm12X_mean vs run



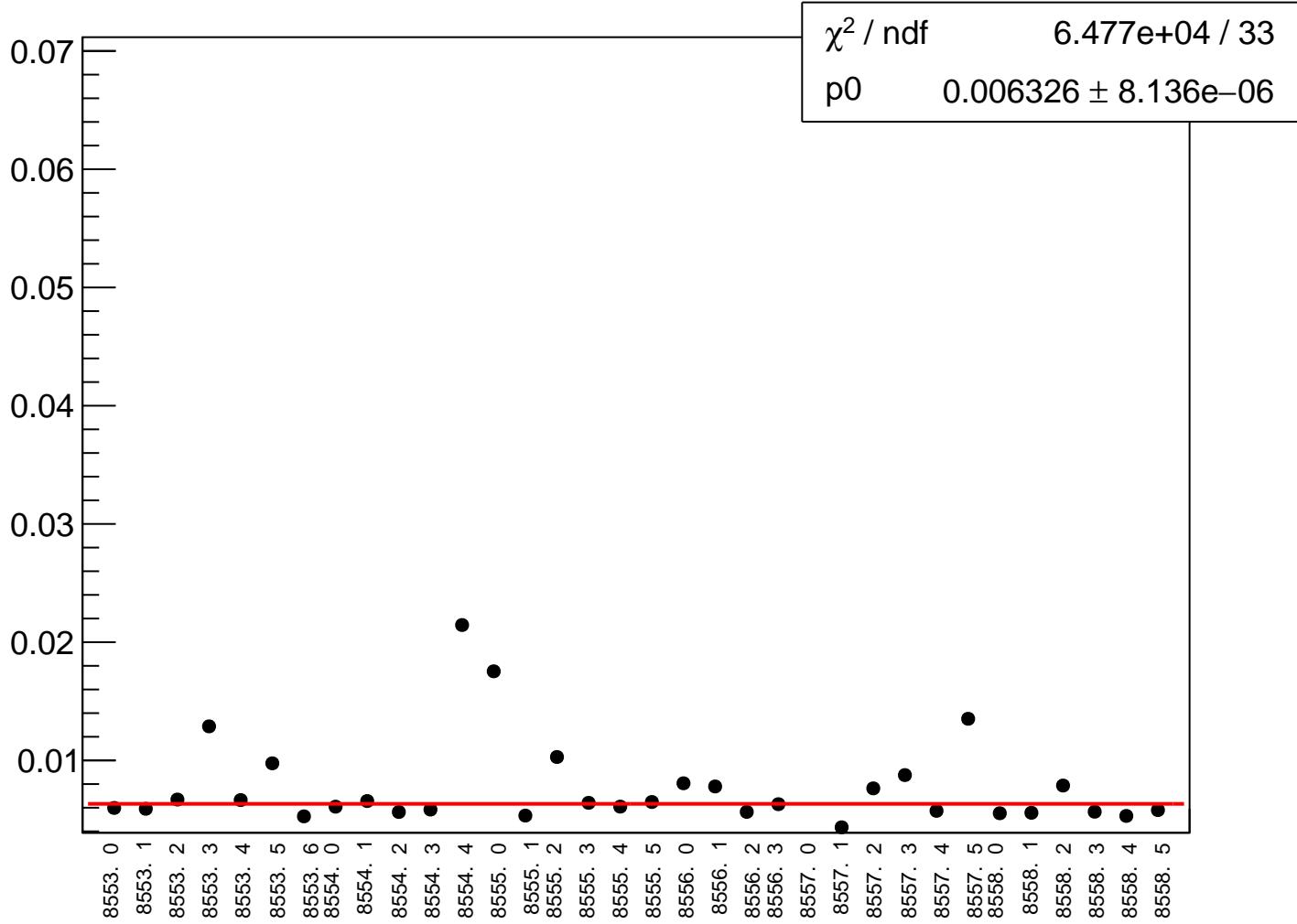
yield_bpm12X_rms vs run



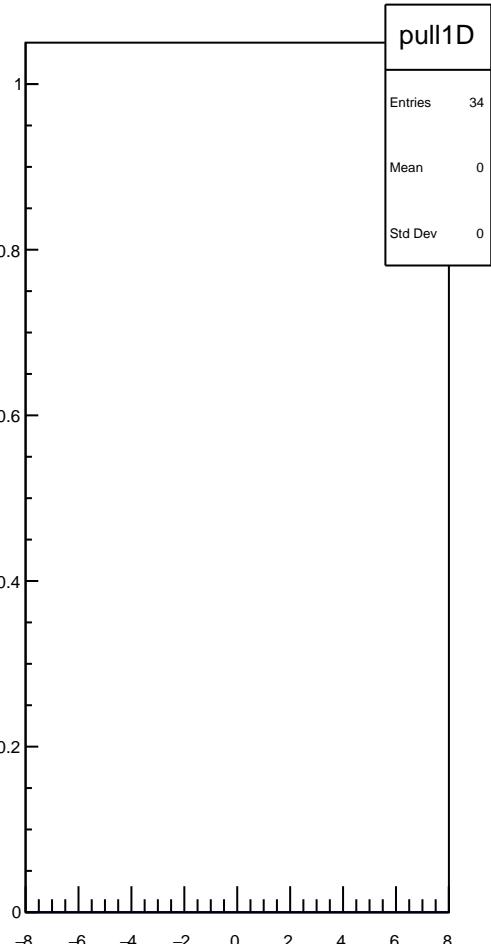
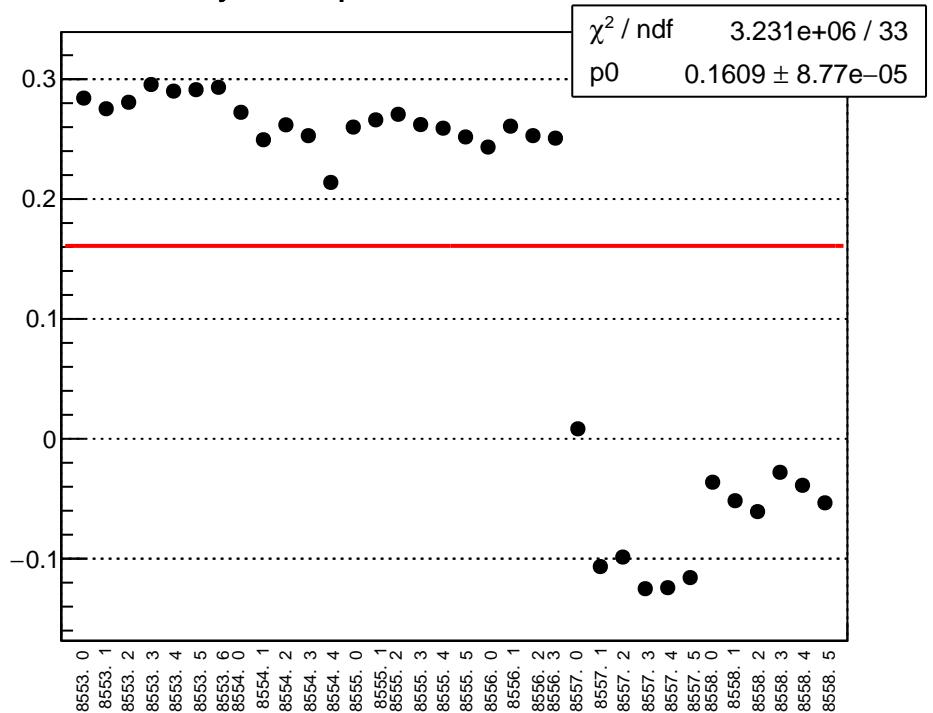
yield_bpm12Y_mean vs run



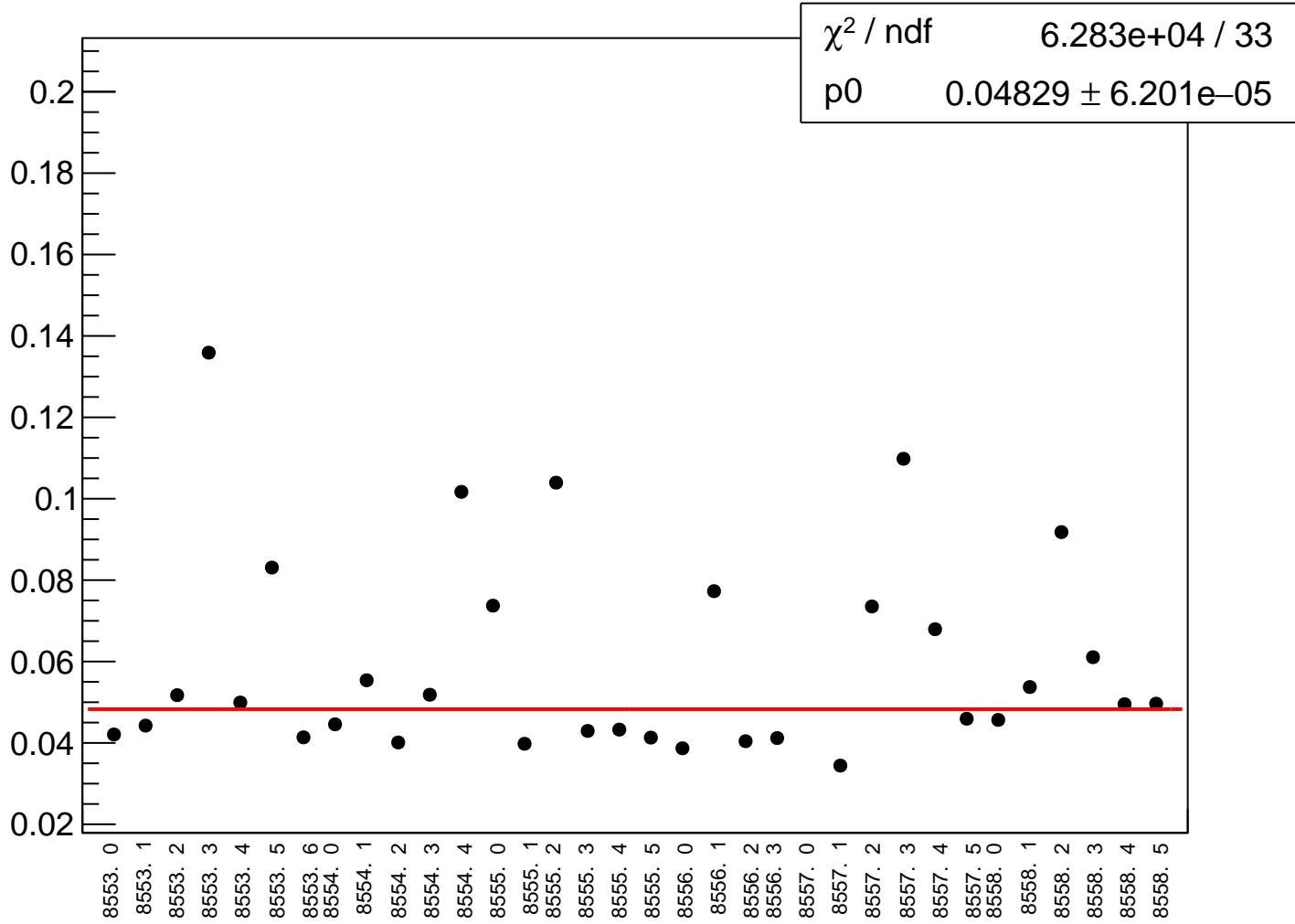
yield_bpm12Y_rms vs run



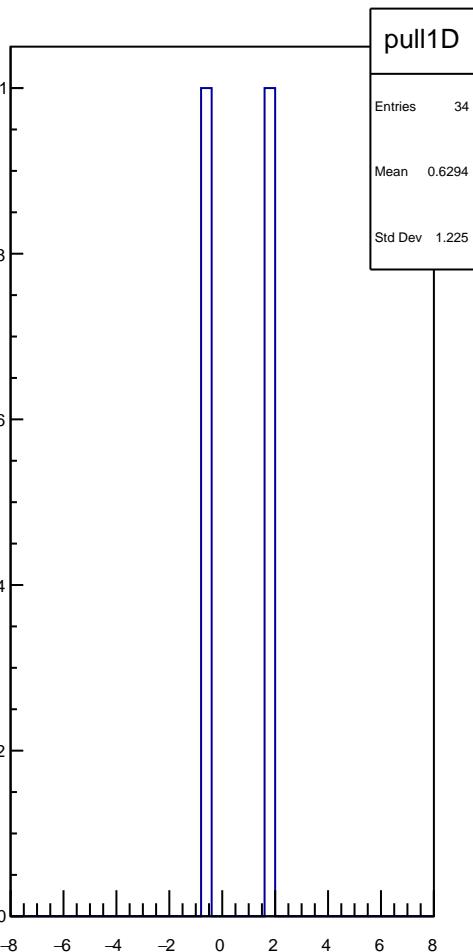
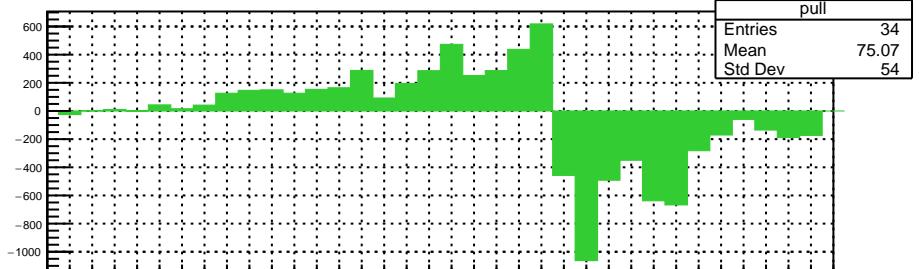
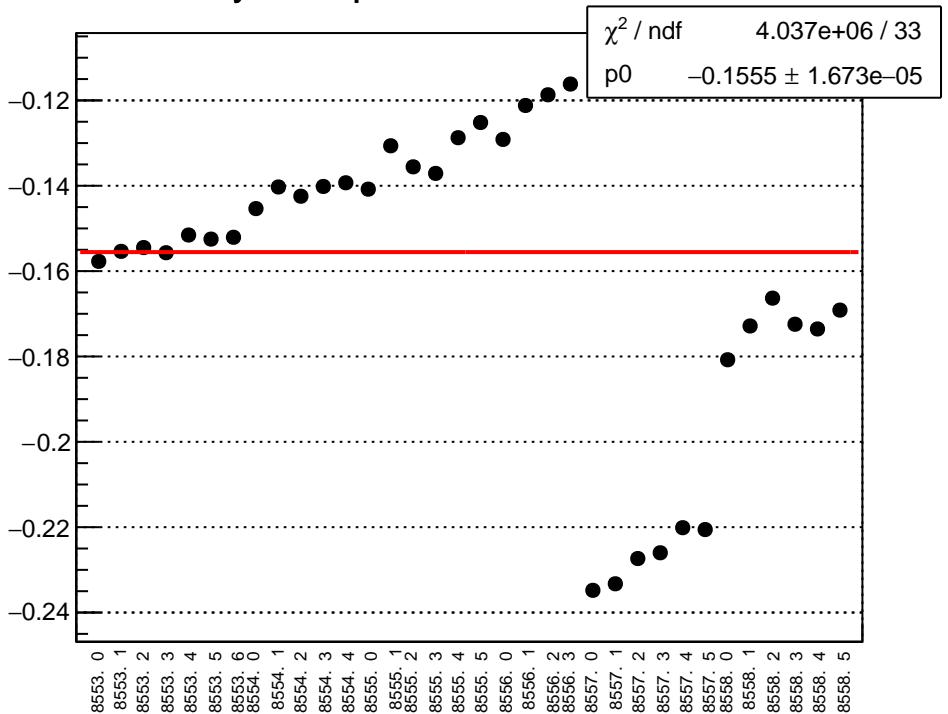
yield_bpm16X_mean vs run



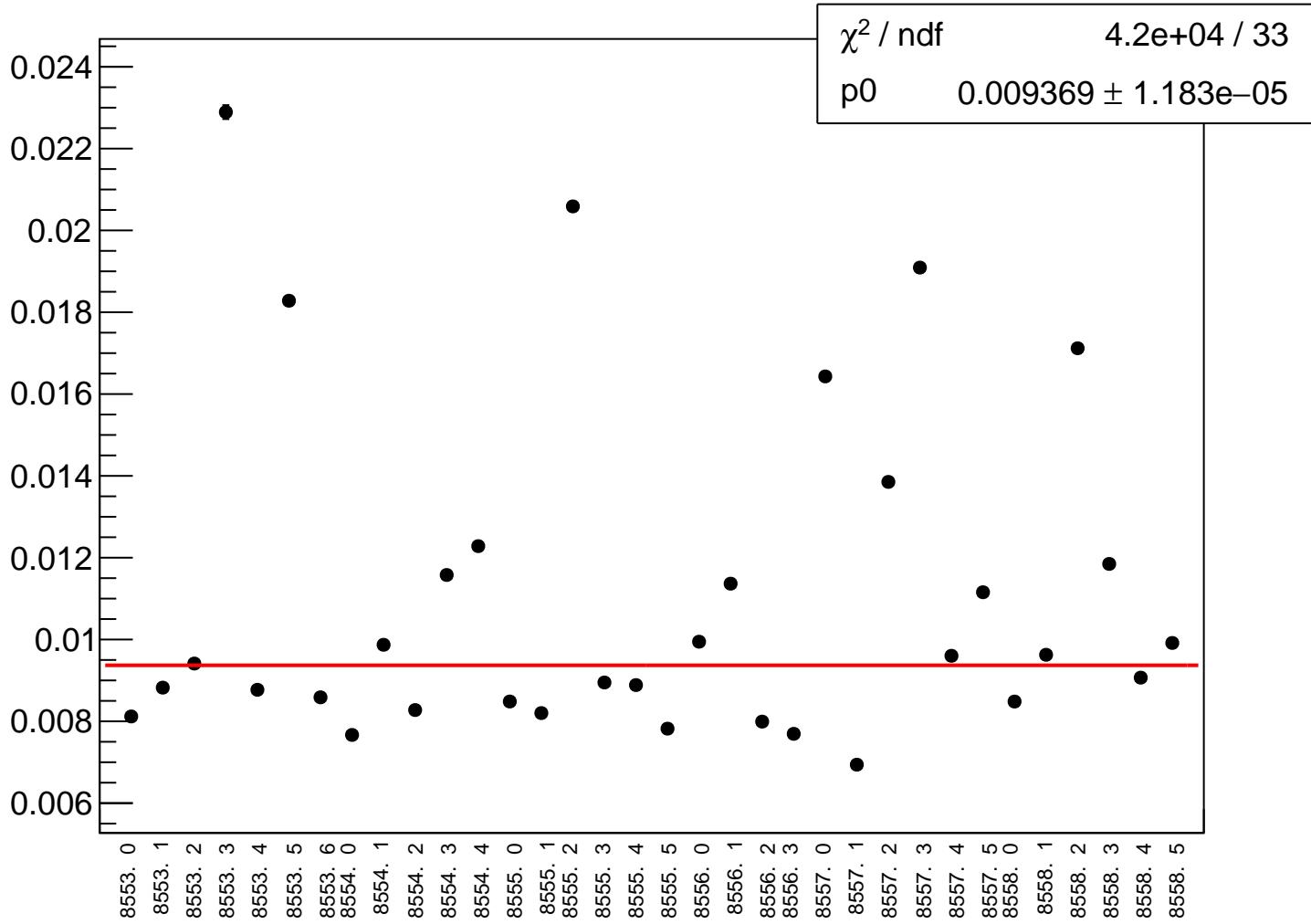
yield_bpm16X_rms vs run



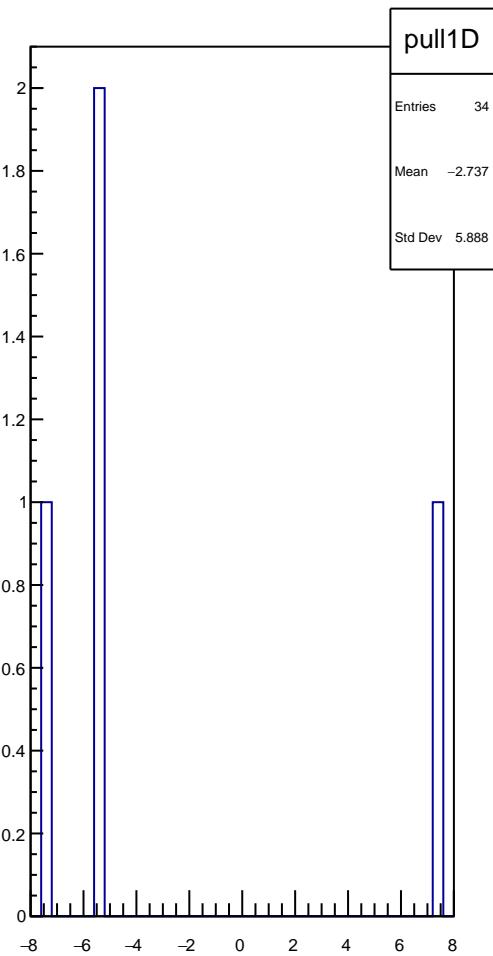
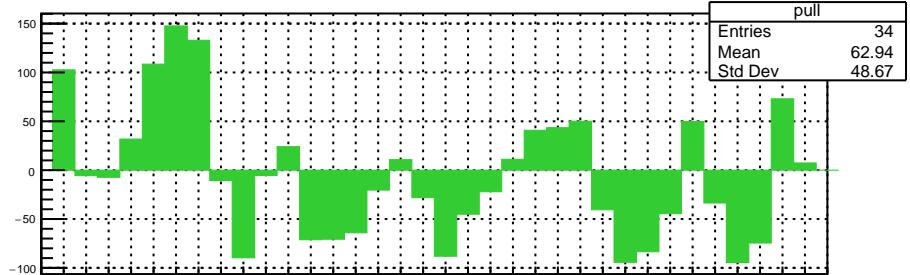
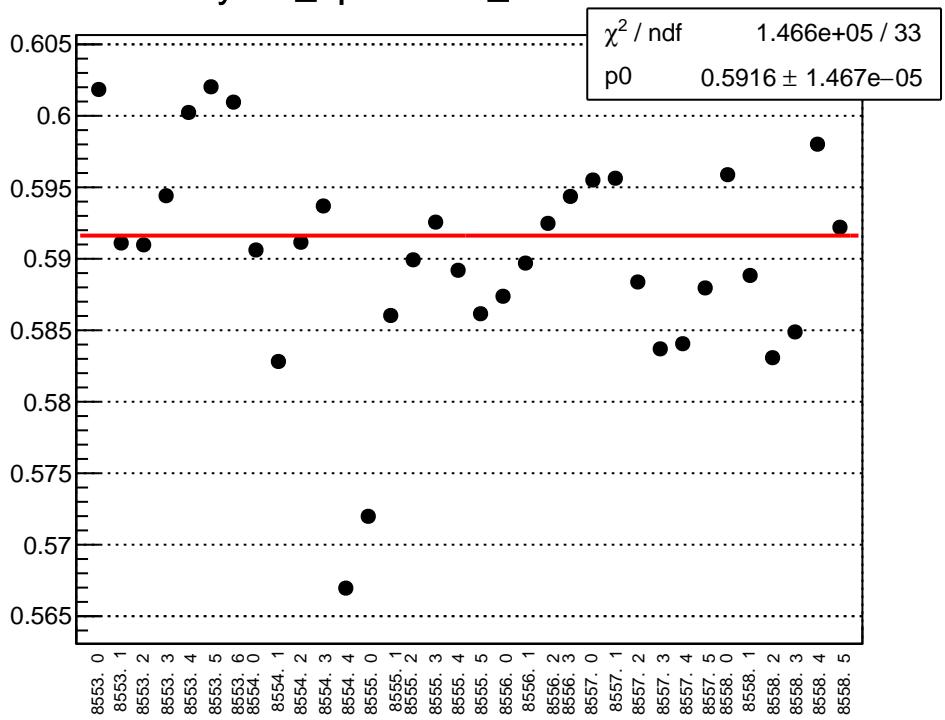
yield_bpm16Y_mean vs run



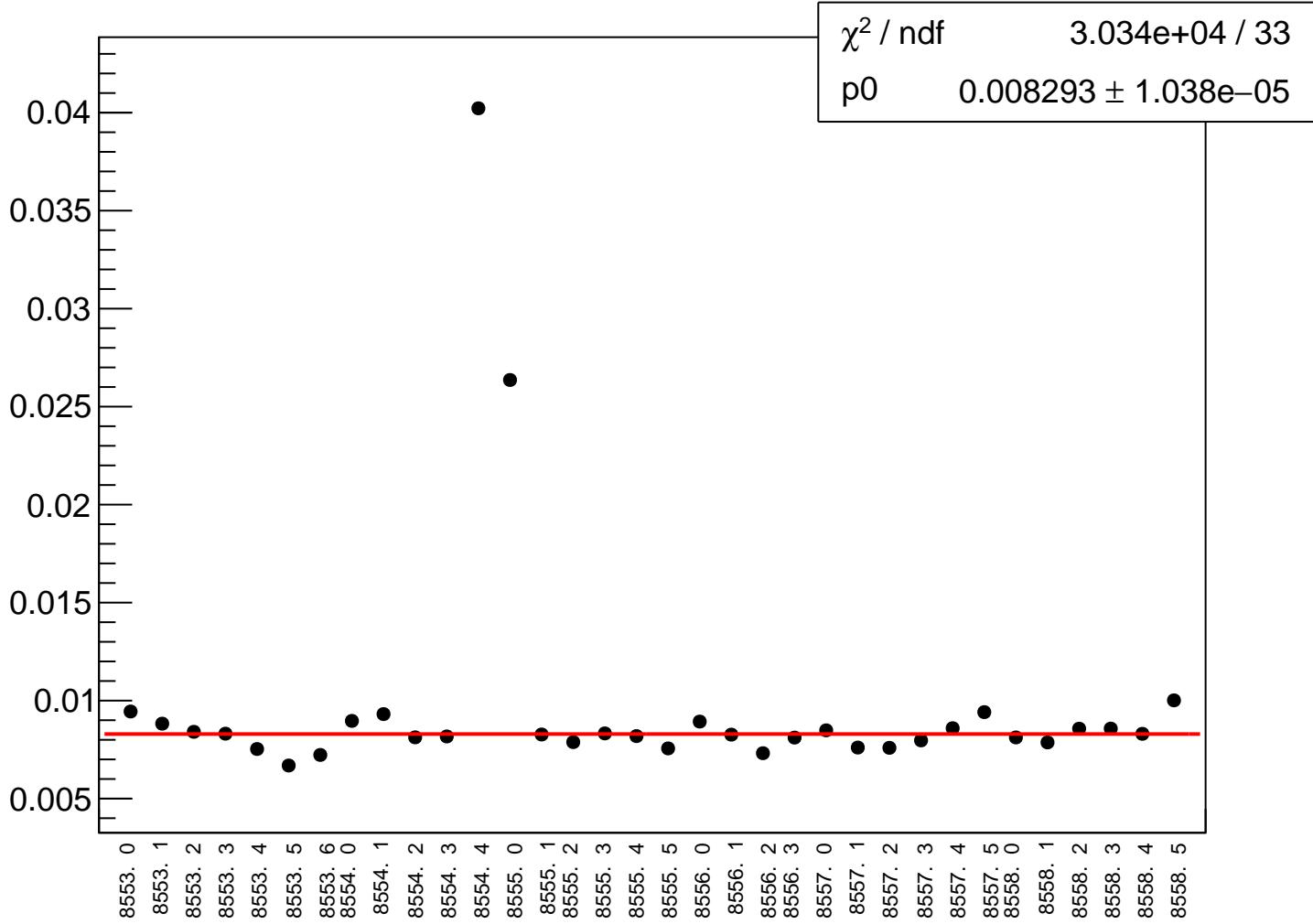
yield_bpm16Y_rms vs run



yield_bpm0i02X_mean vs run

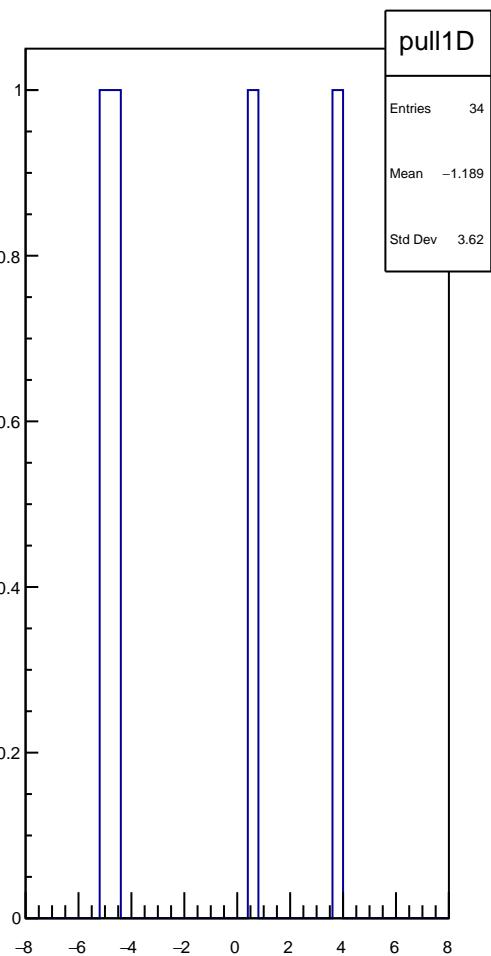
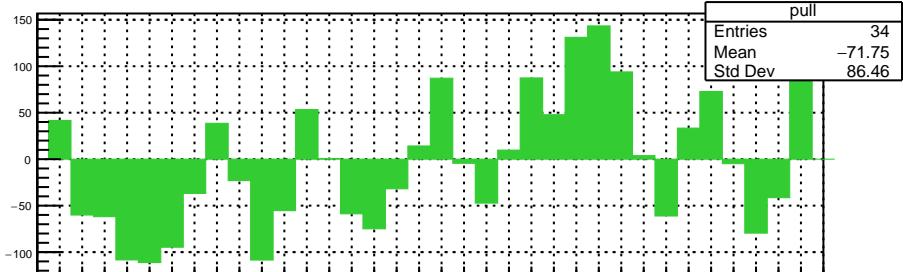
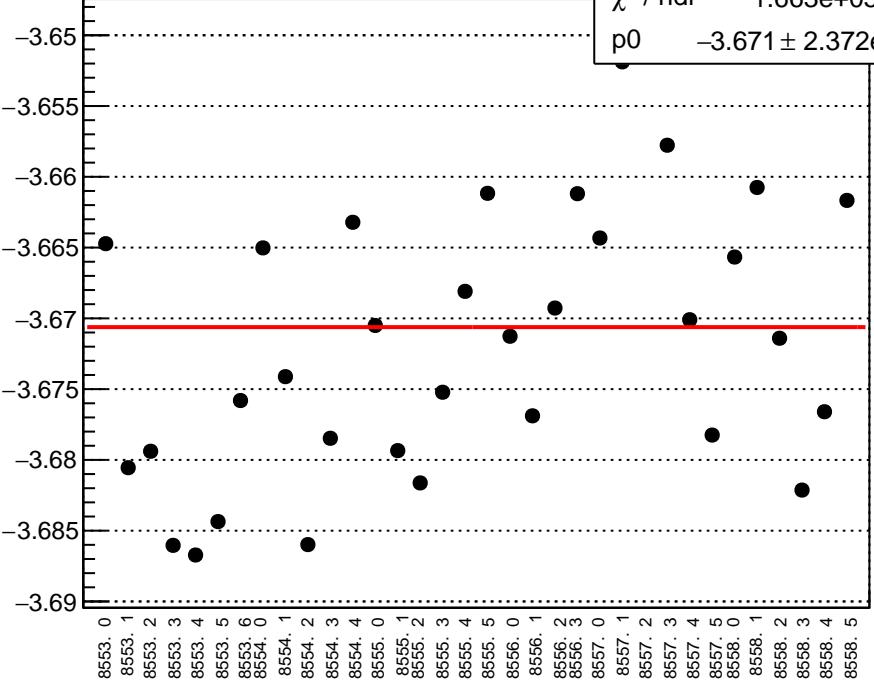


yield_bpm0i02X_rms vs run

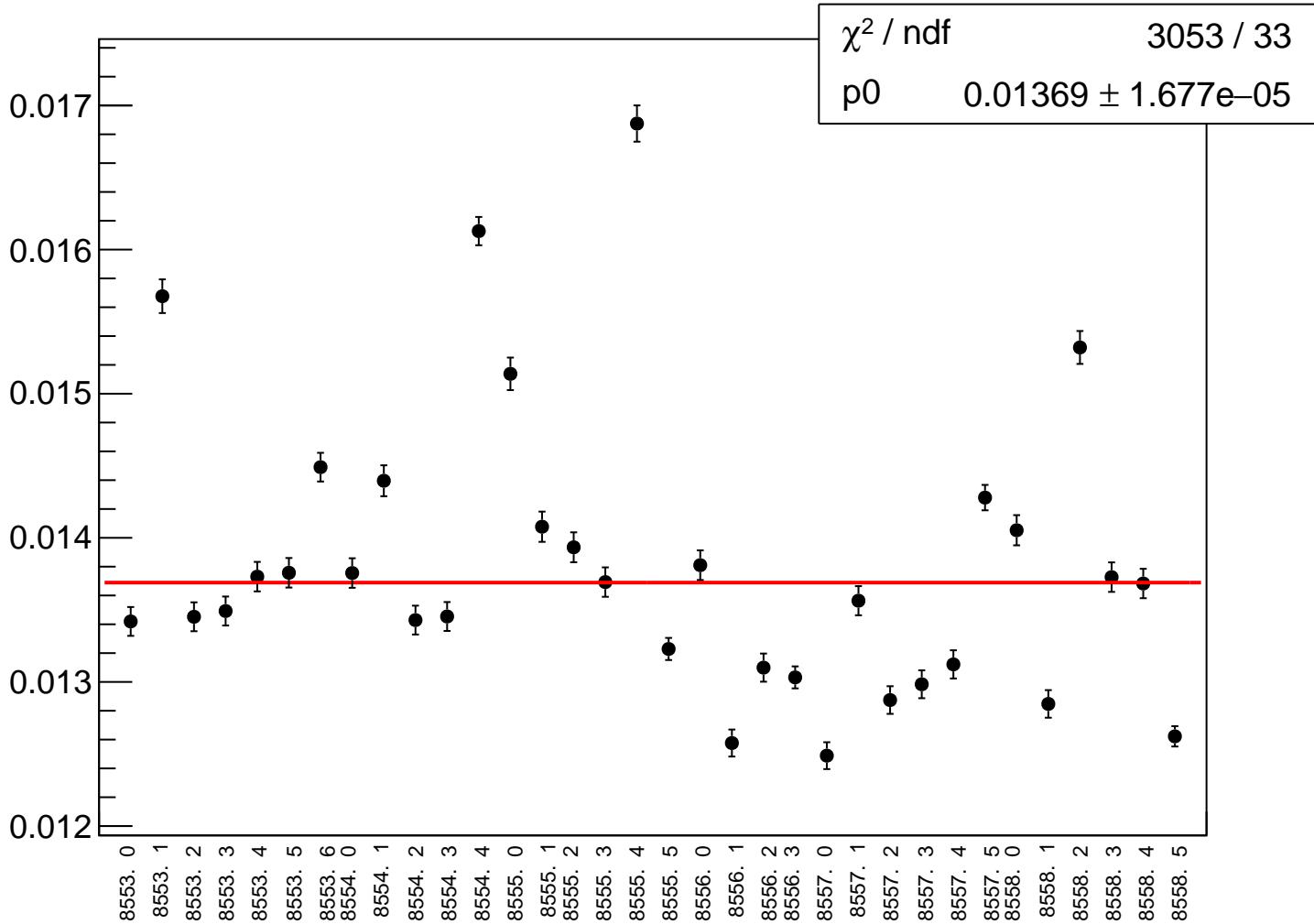


yield_bpm0i02Y_mean vs run

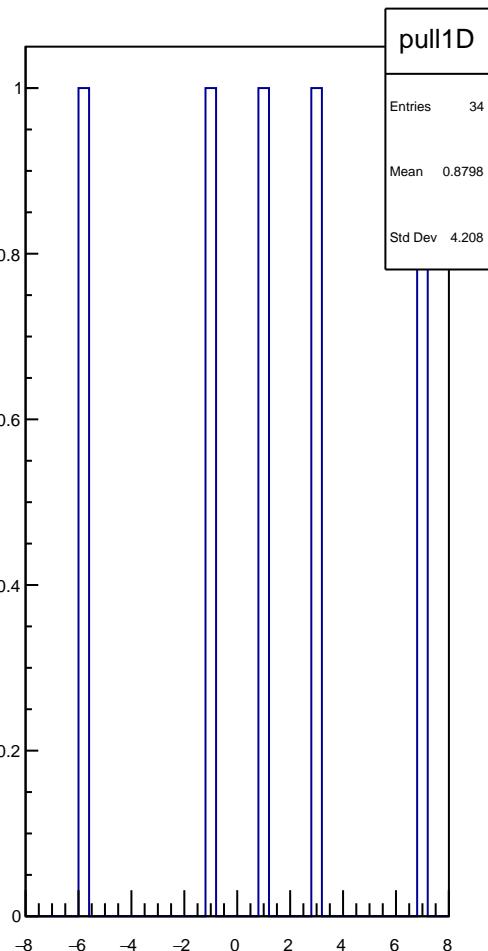
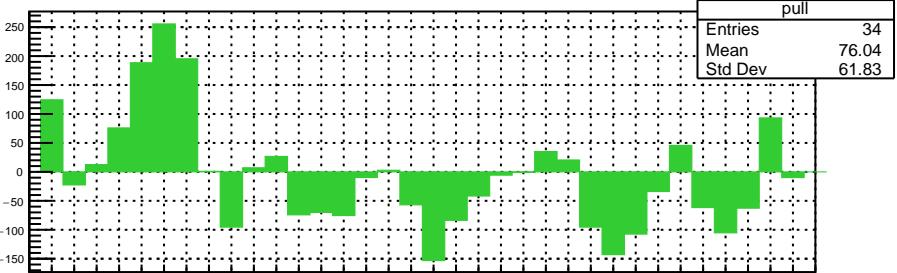
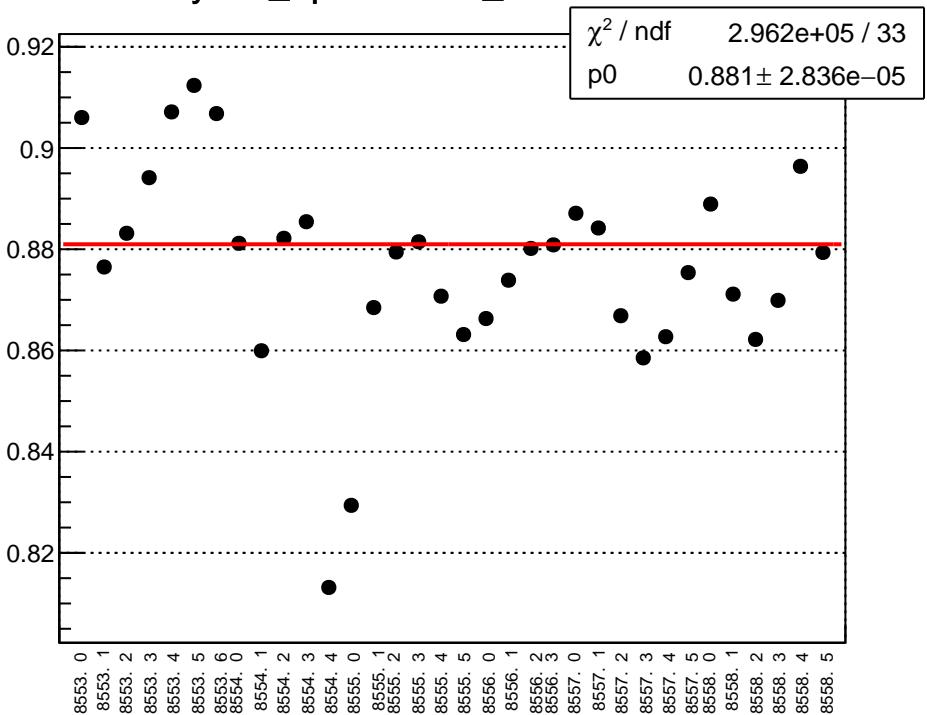
χ^2 / ndf 1.663e+05 / 33
p0 $-3.671 \pm 2.372\text{e}{-05}$



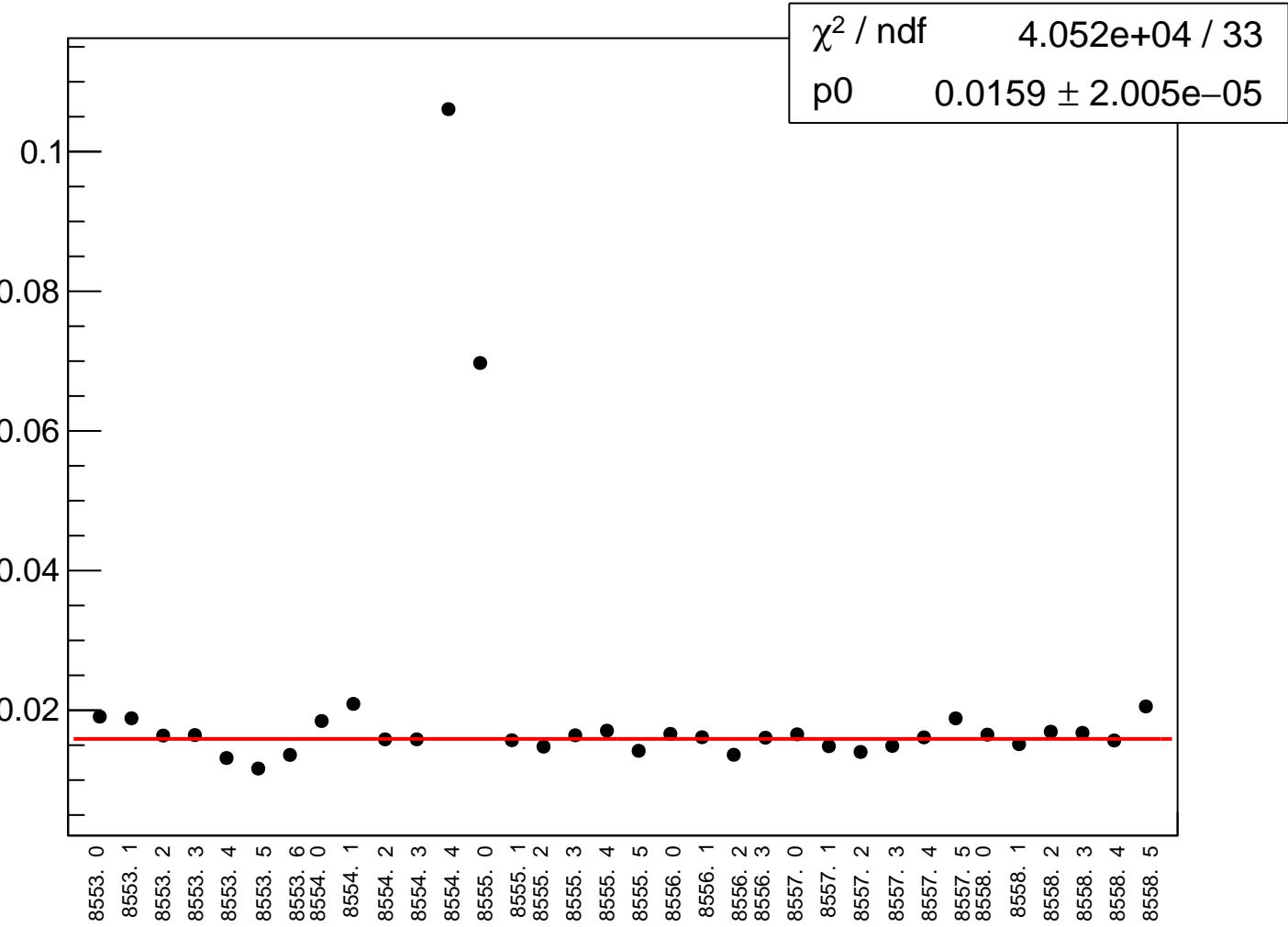
yield_bpm0i02Y_rms vs run



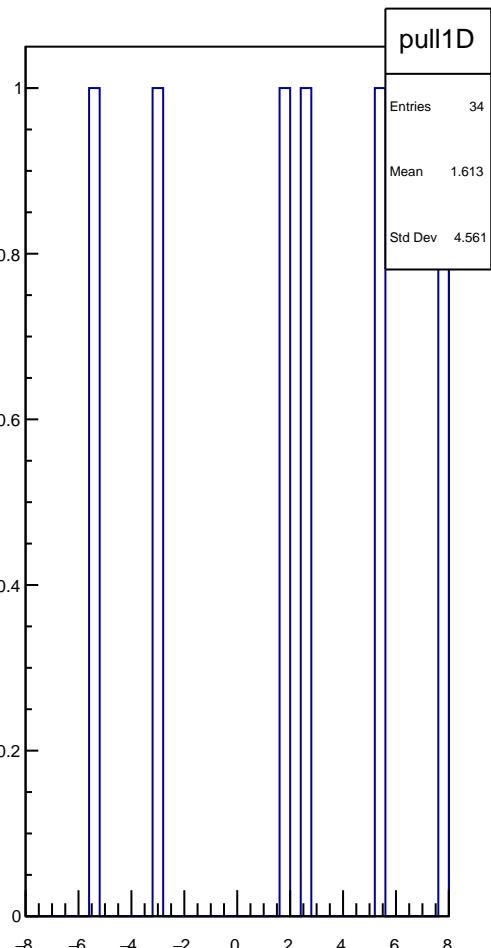
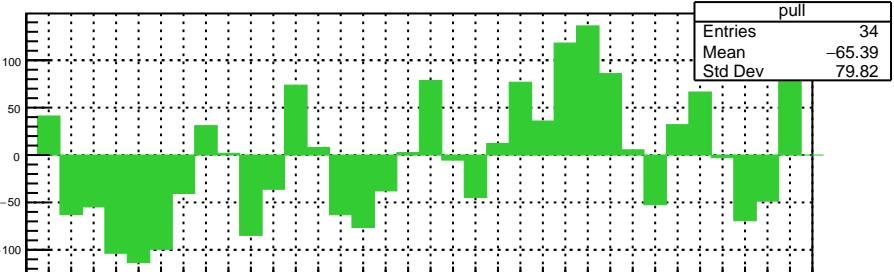
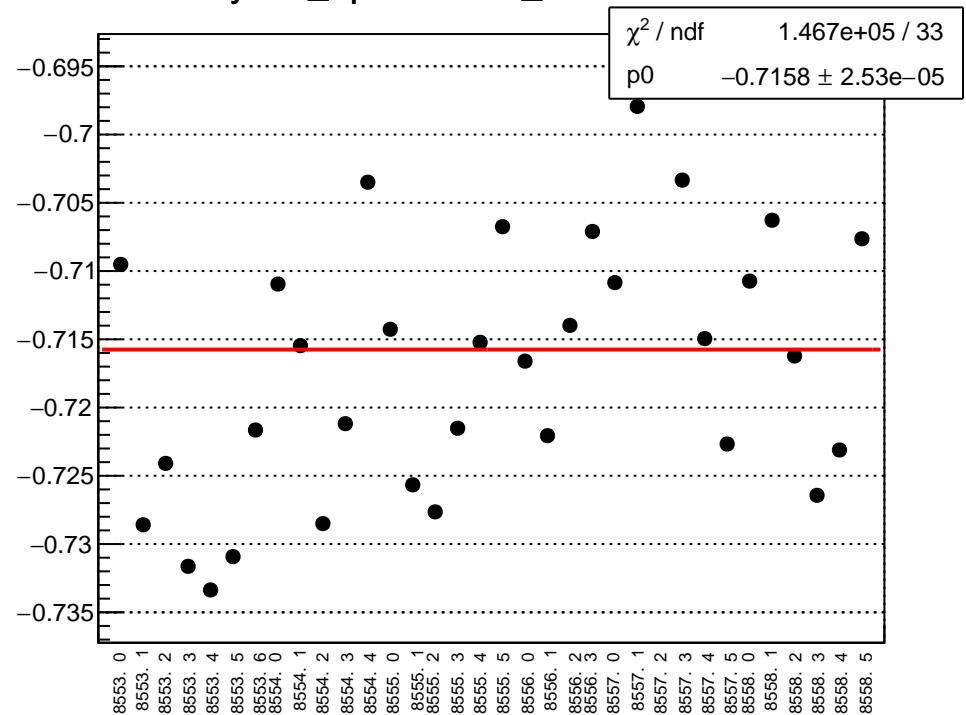
yield_bpm0i02aX_mean vs run



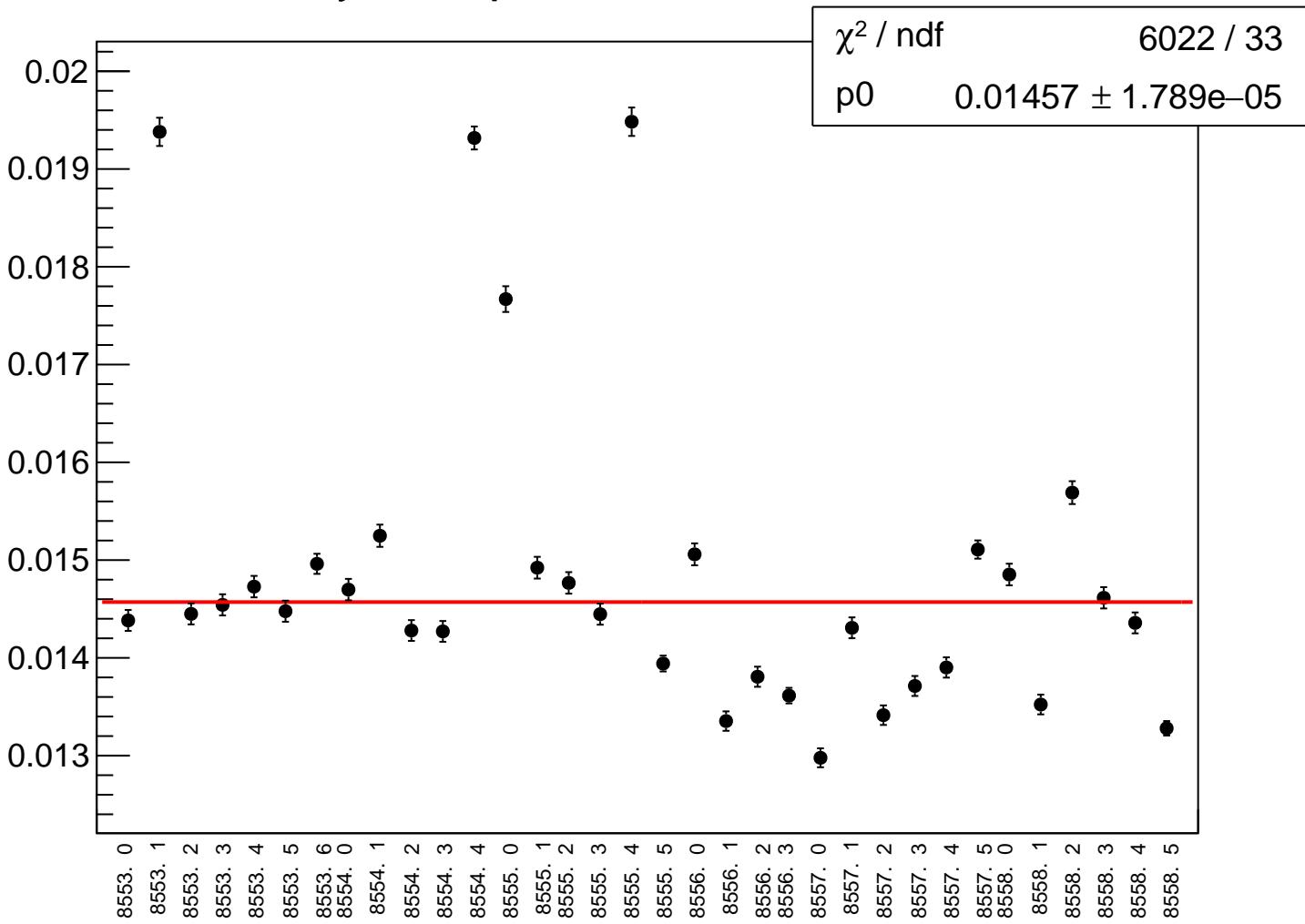
yield_bpm0i02aX_rms vs run



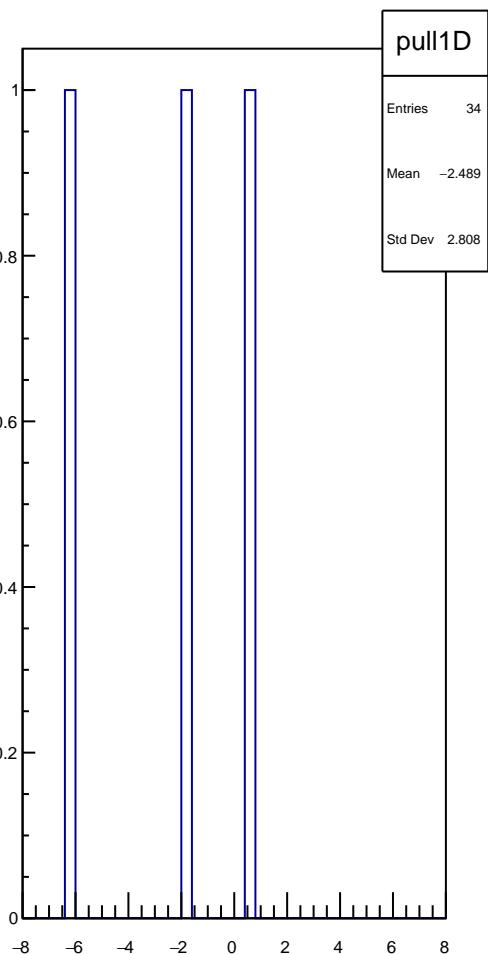
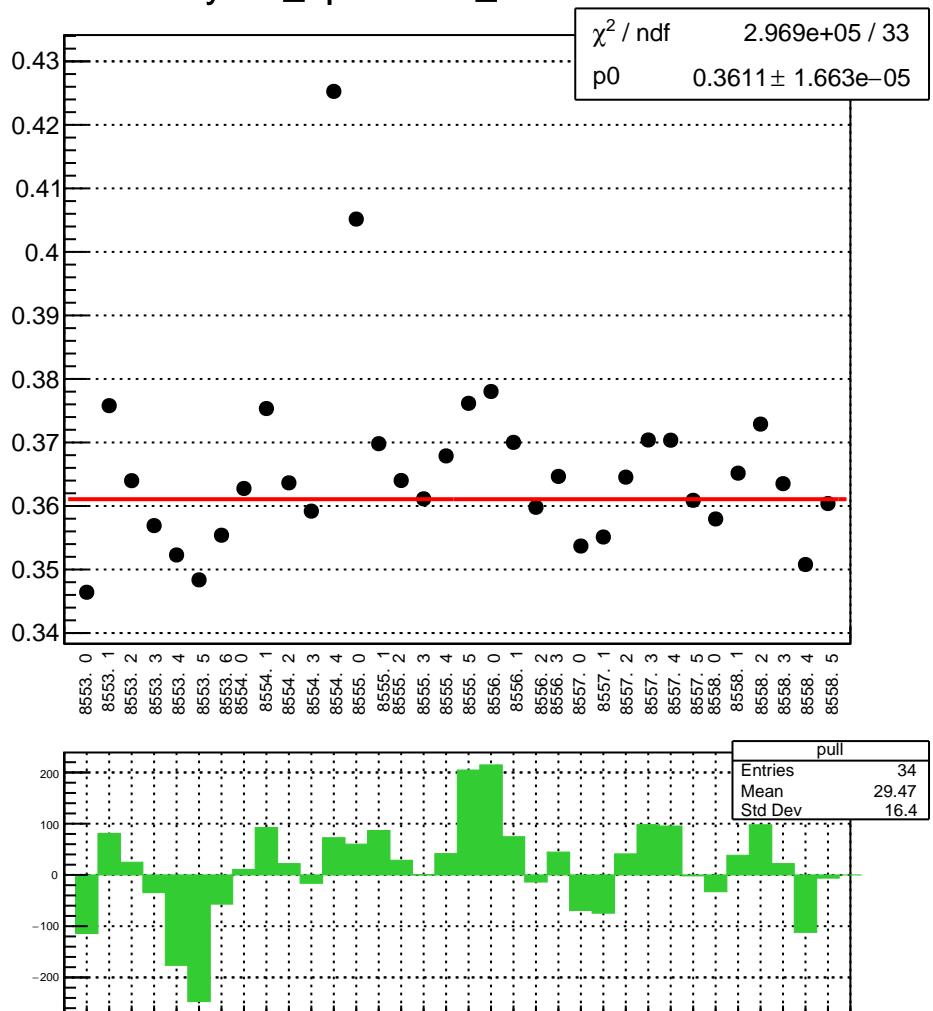
yield_bpm0i02aY_mean vs run



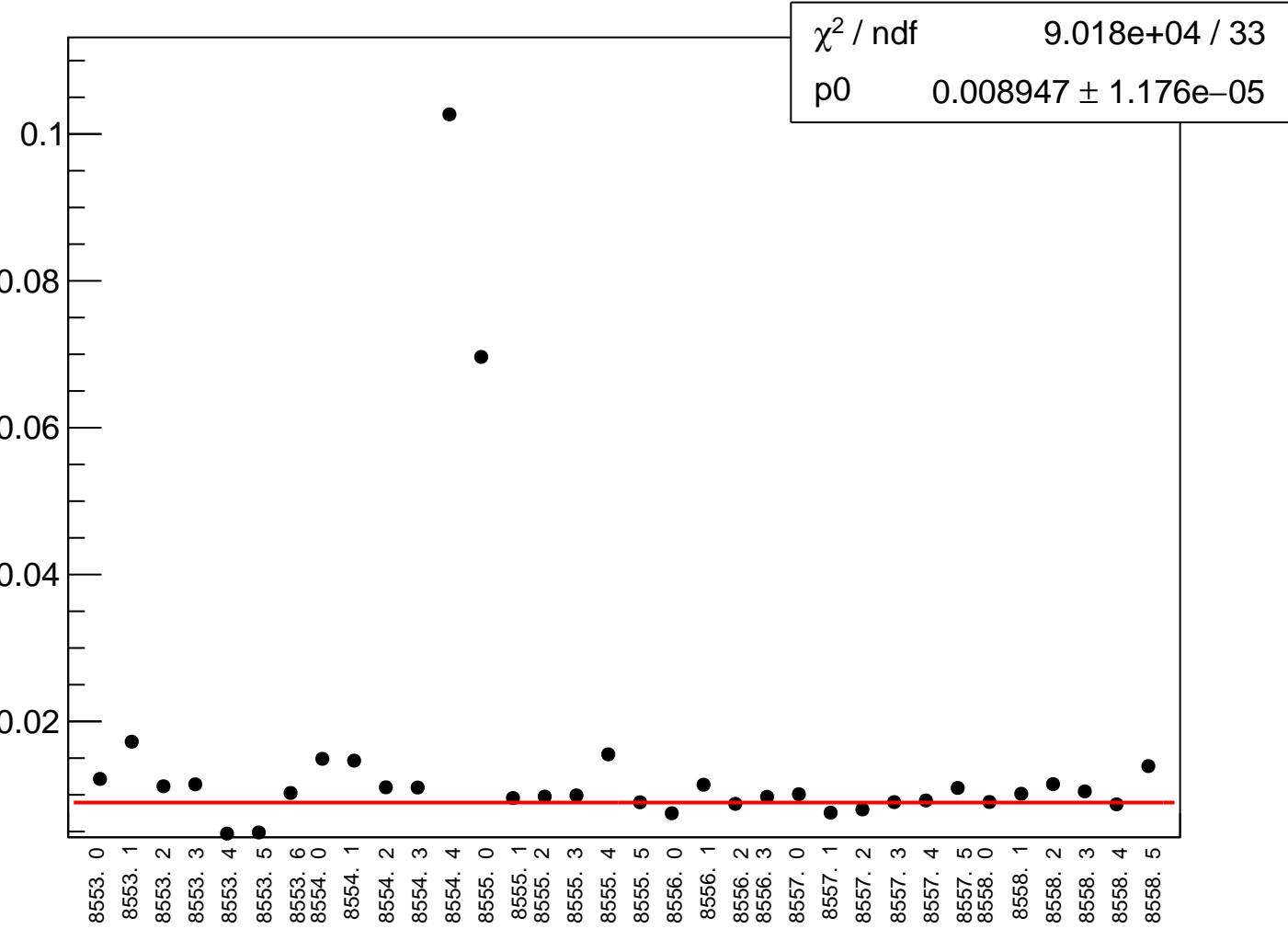
yield_bpm0i02aY_rms vs run



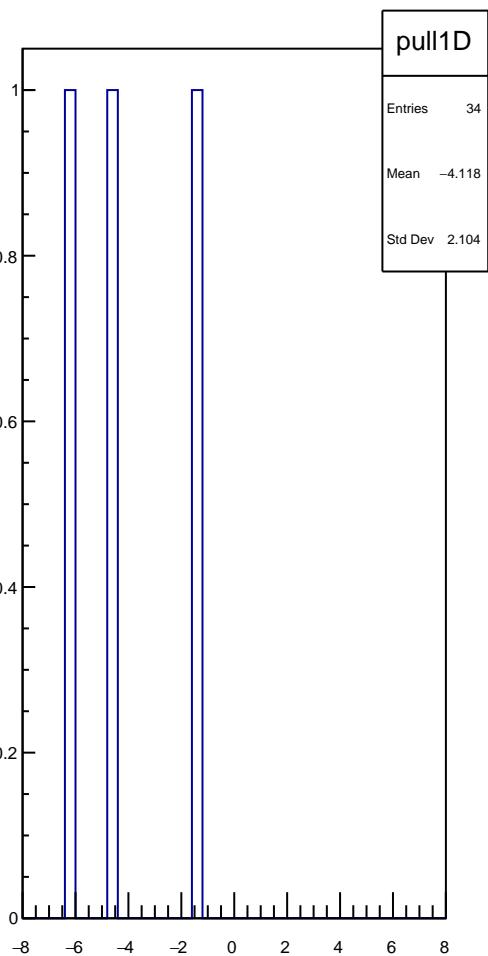
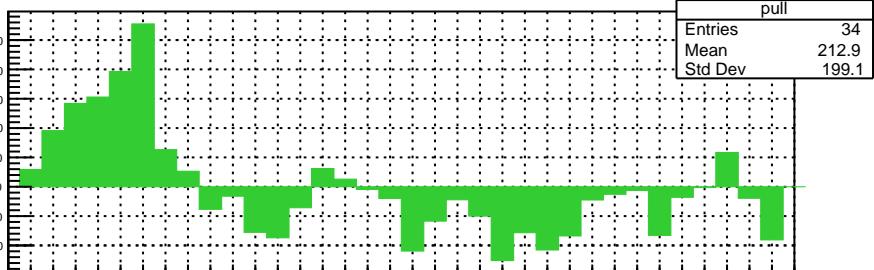
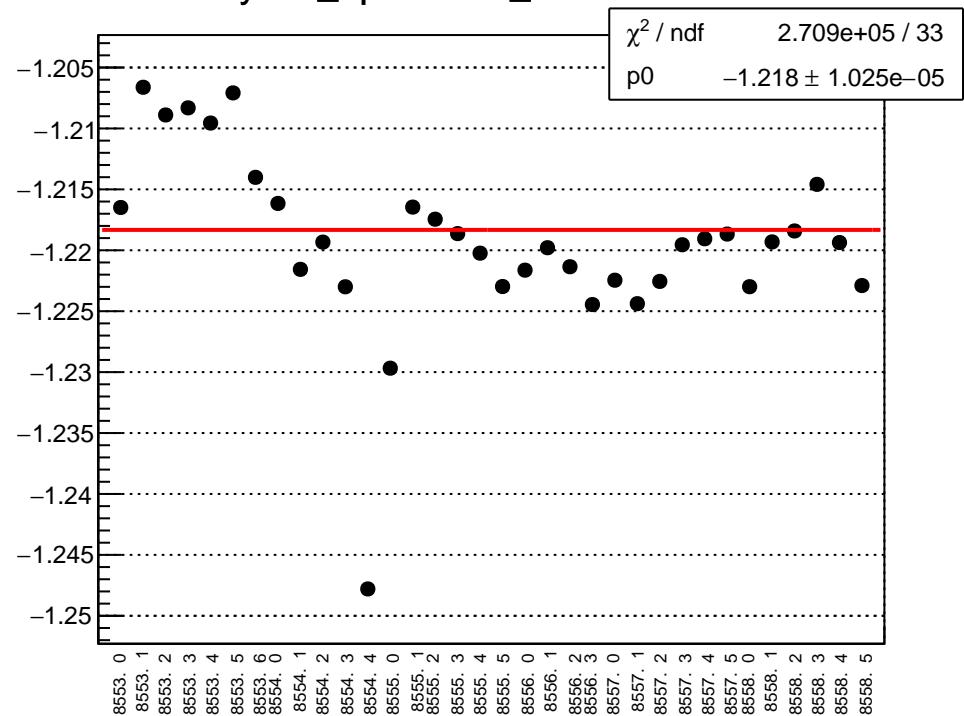
yield_bpm0i05X_mean vs run



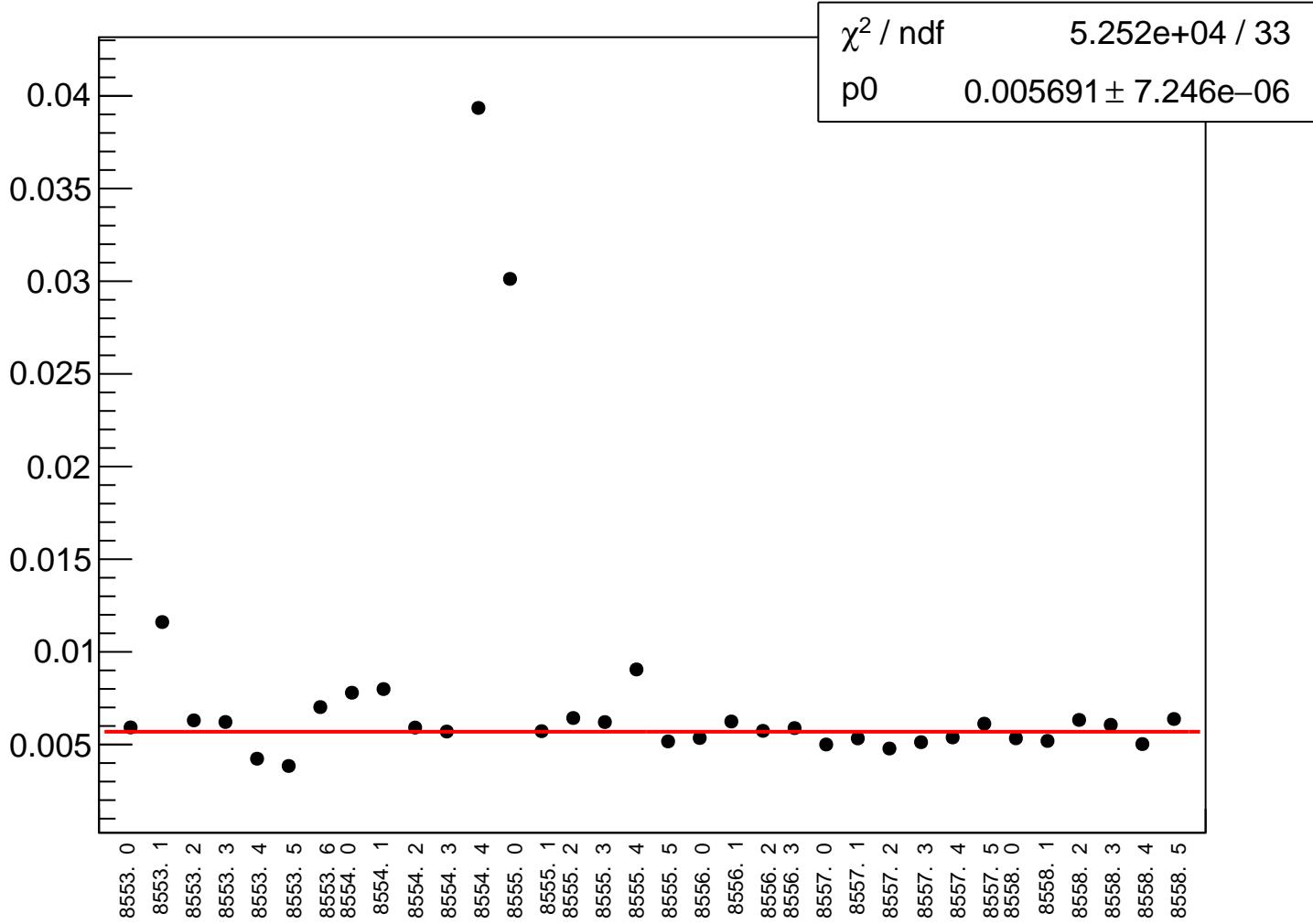
yield_bpm0i05X_rms vs run



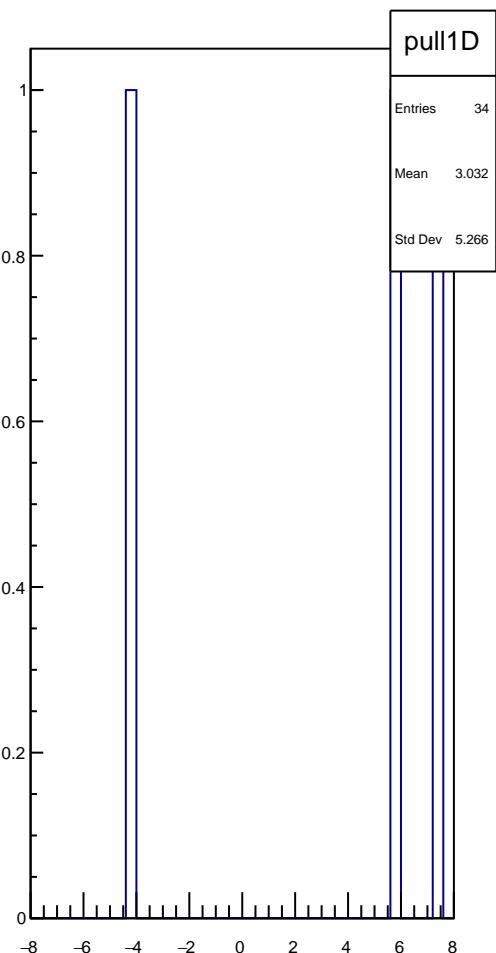
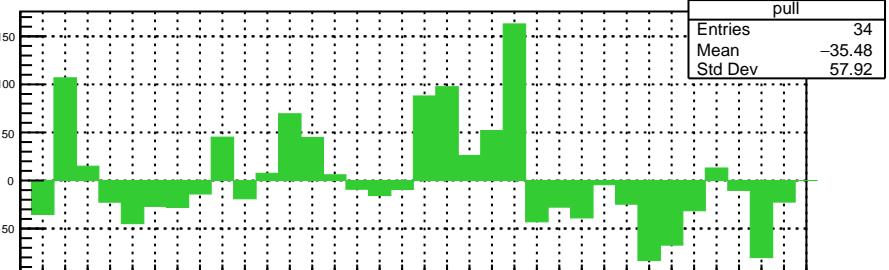
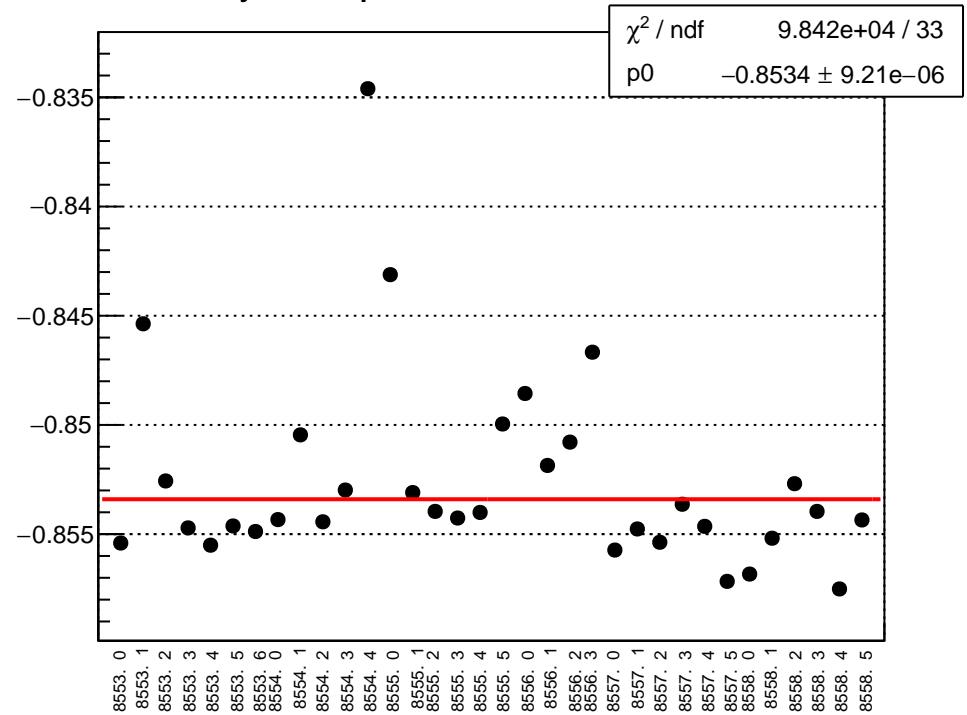
yield_bpm0i05Y_mean vs run



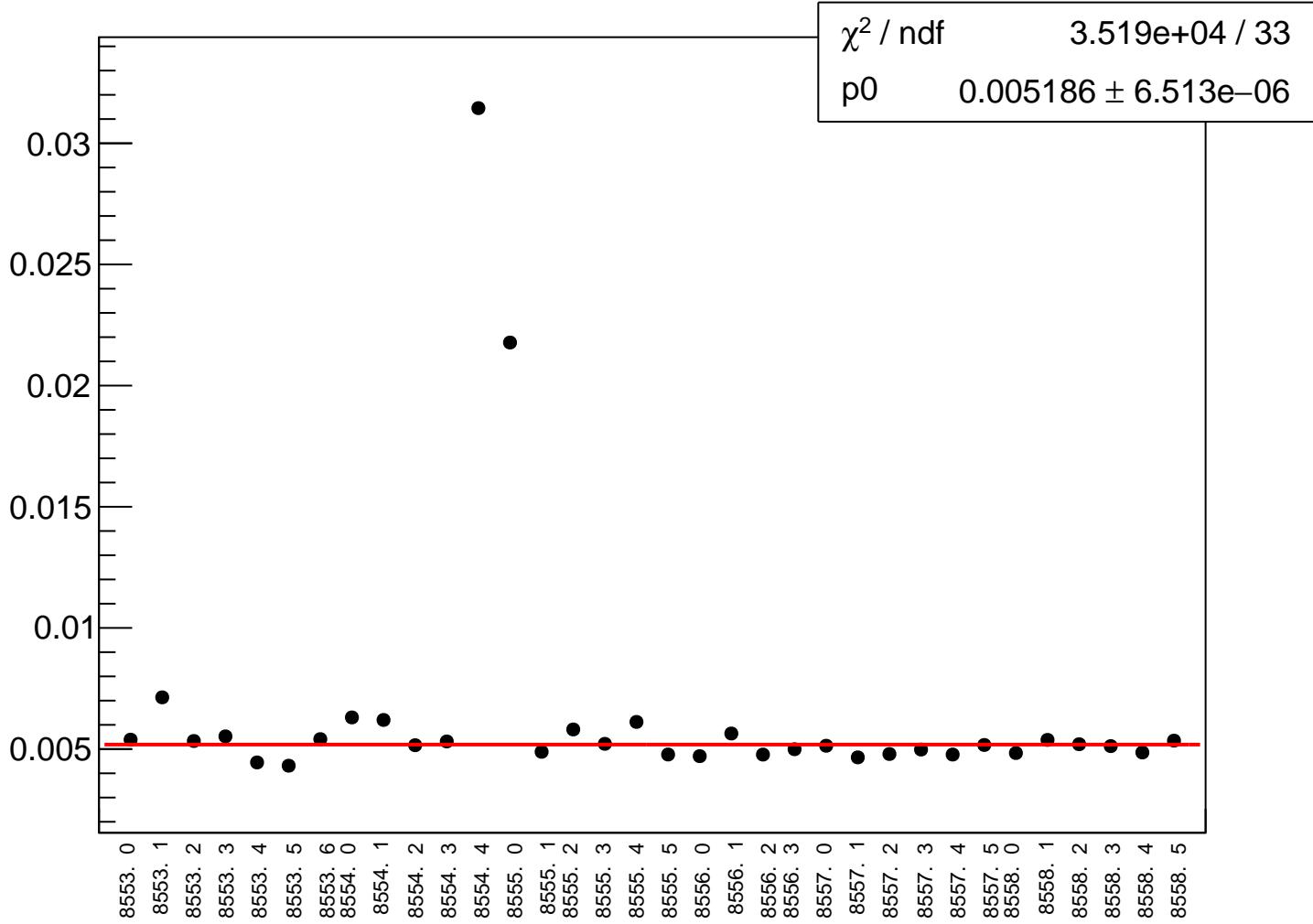
yield_bpm0i05Y_rms vs run



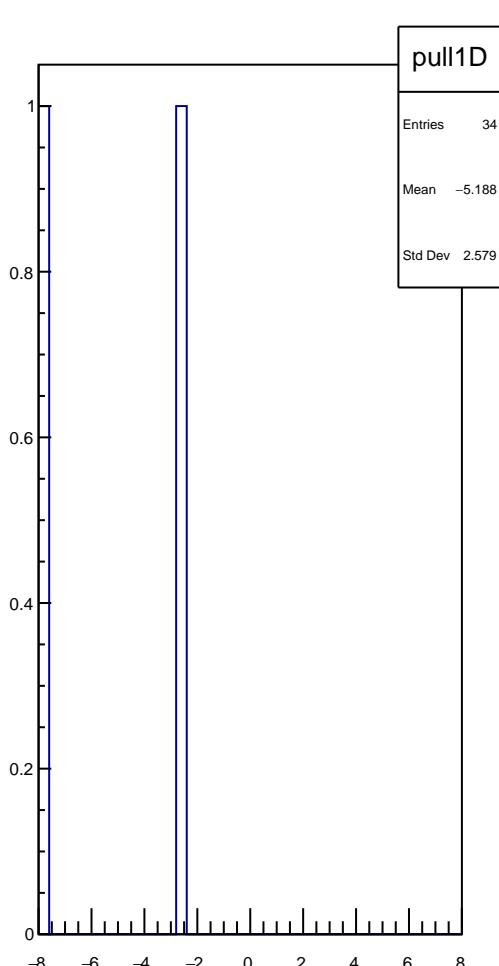
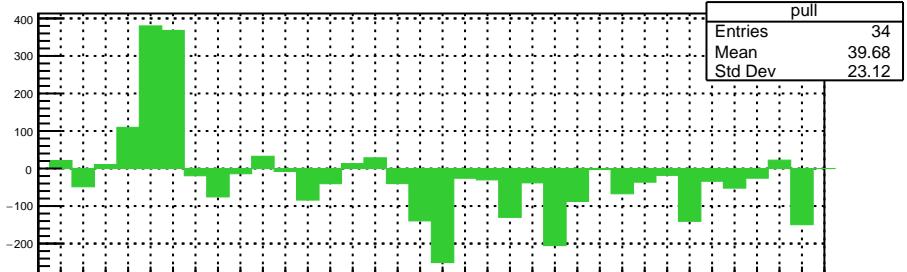
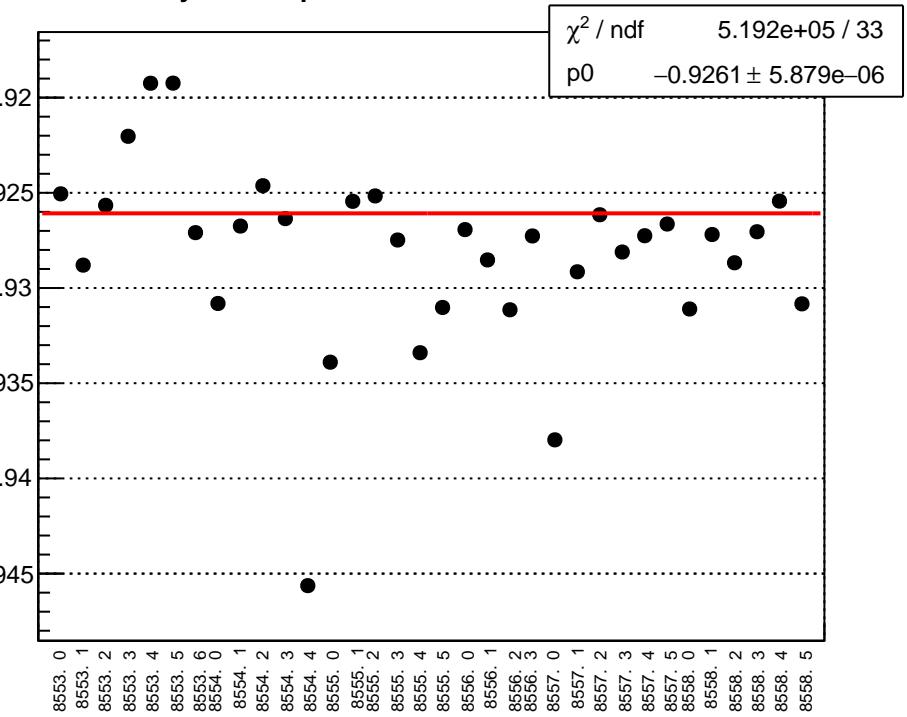
yield_bpm0i07X_mean vs run



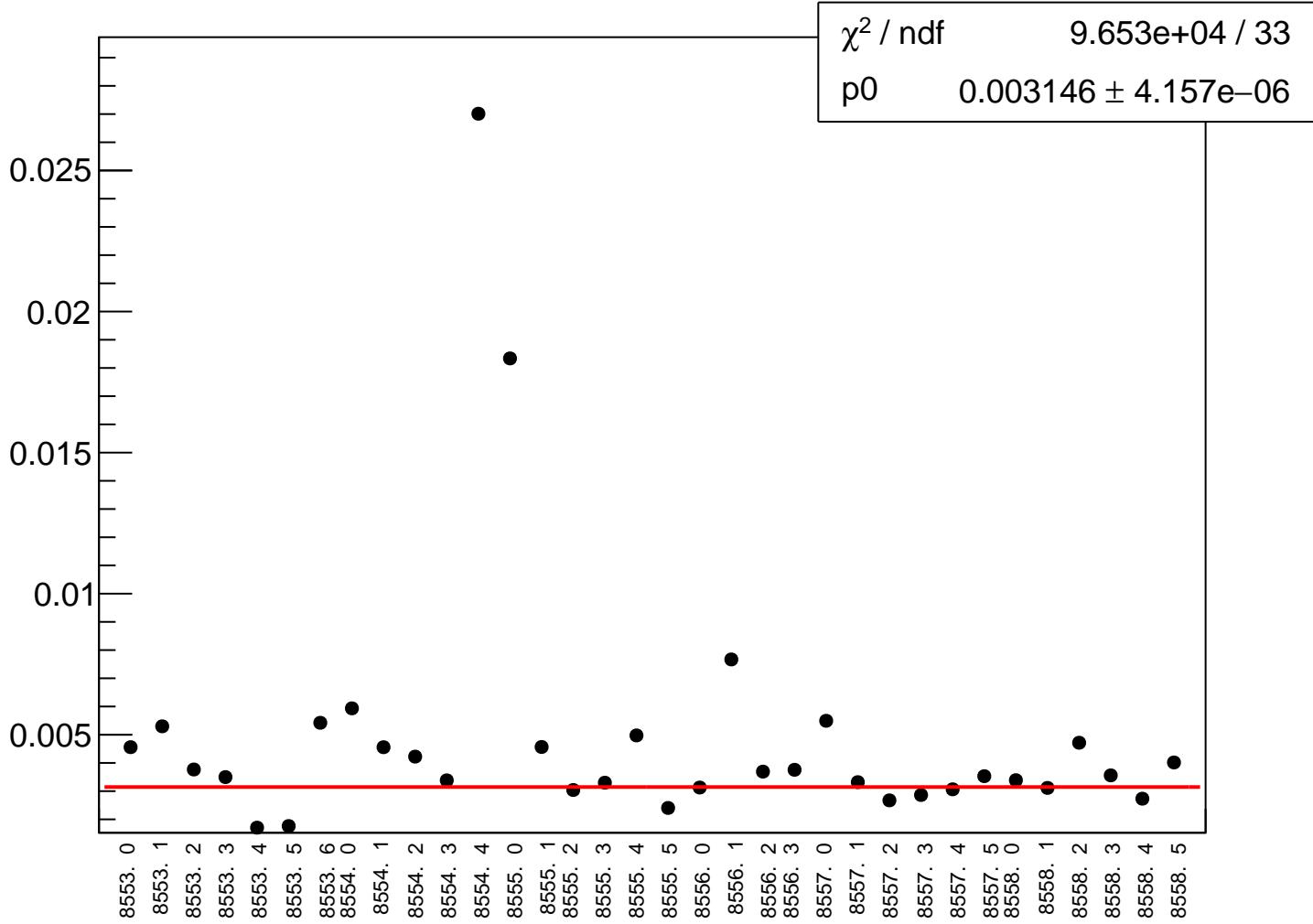
yield_bpm0i07X_rms vs run



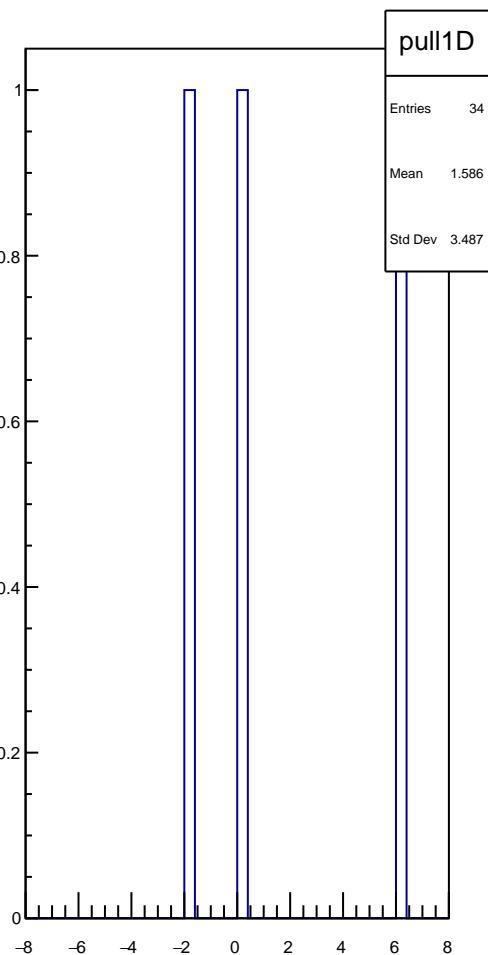
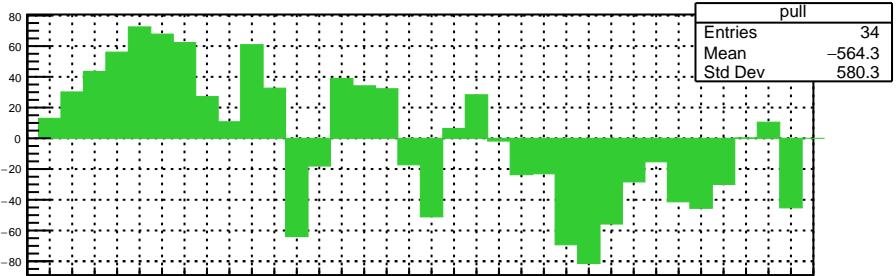
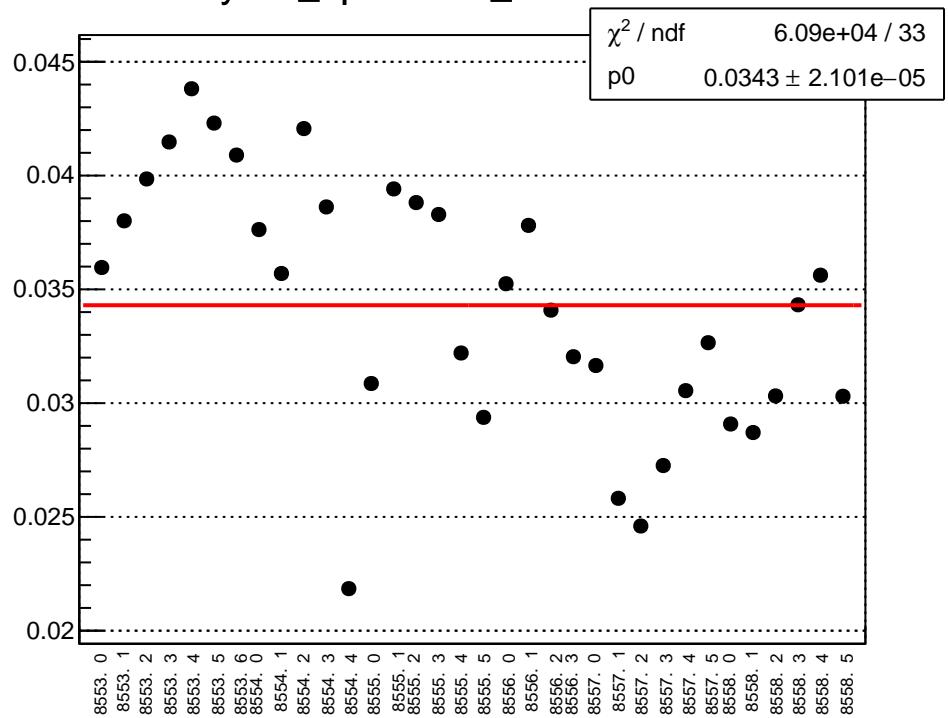
yield_bpm0i07Y_mean vs run



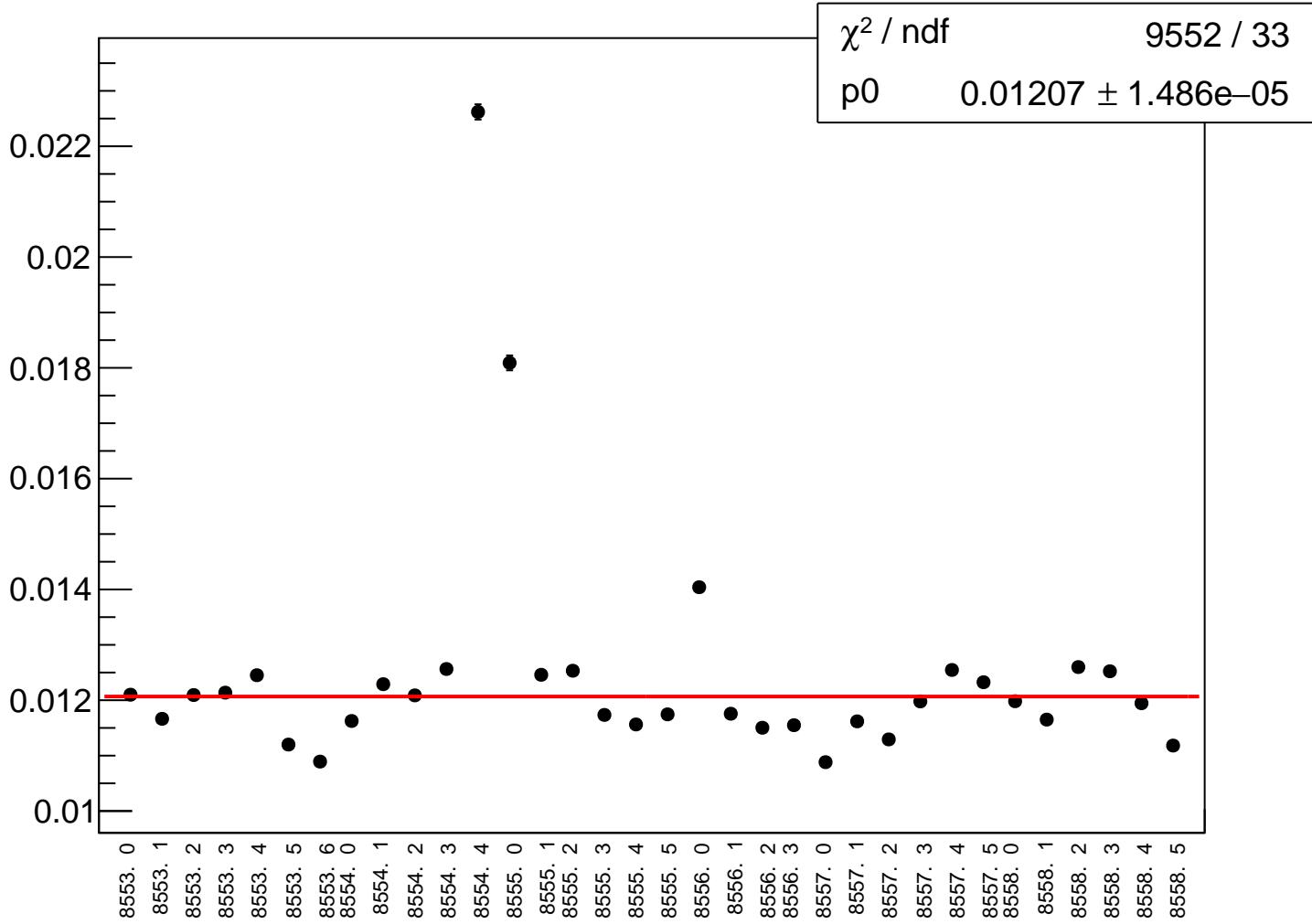
yield_bpm0i07Y_rms vs run



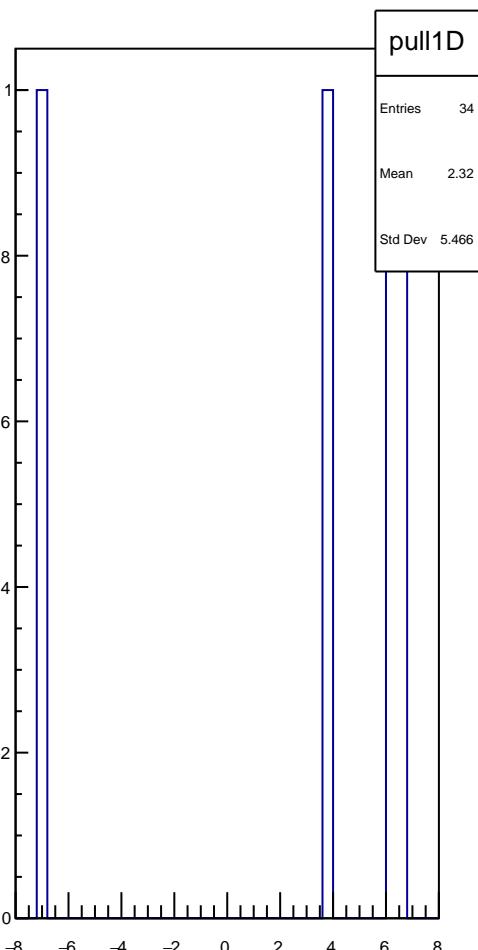
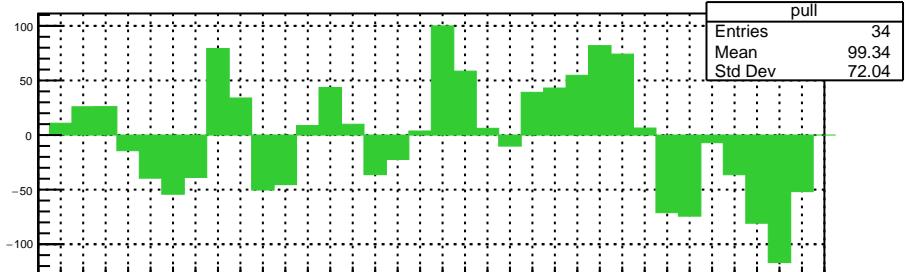
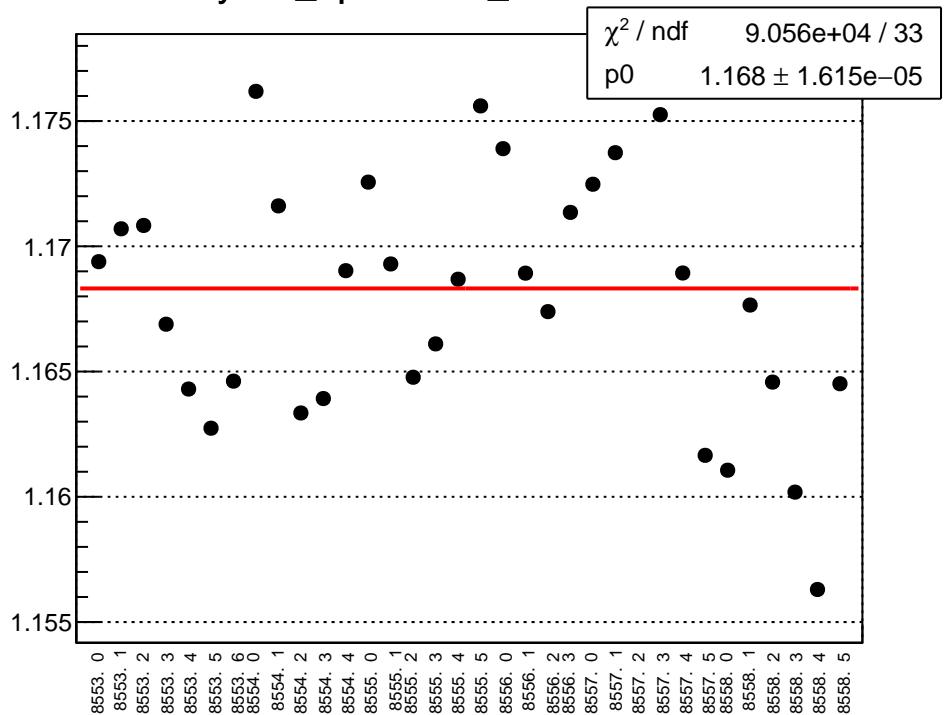
yield_bpm1i02X_mean vs run



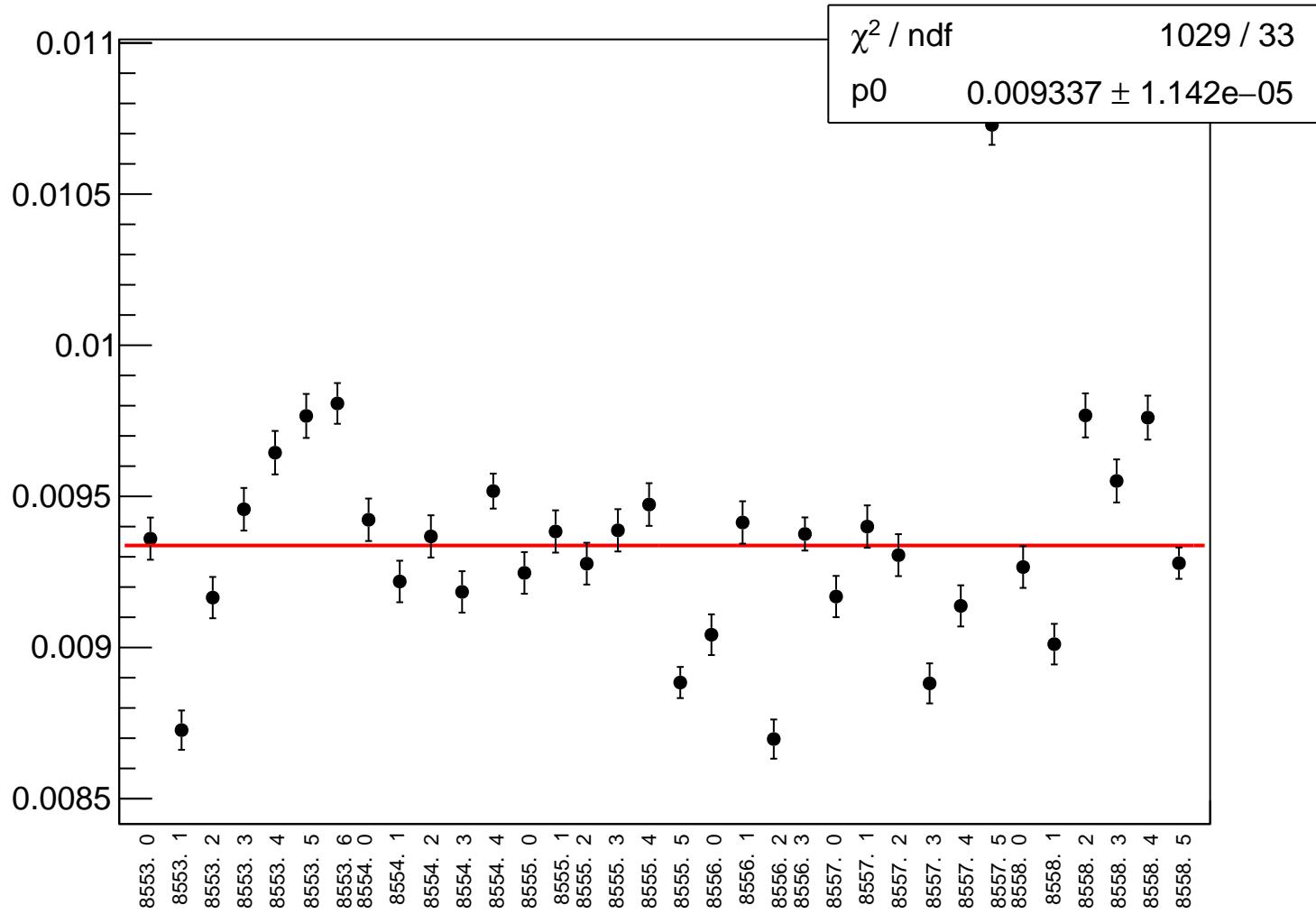
yield_bpm1i02X_rms vs run



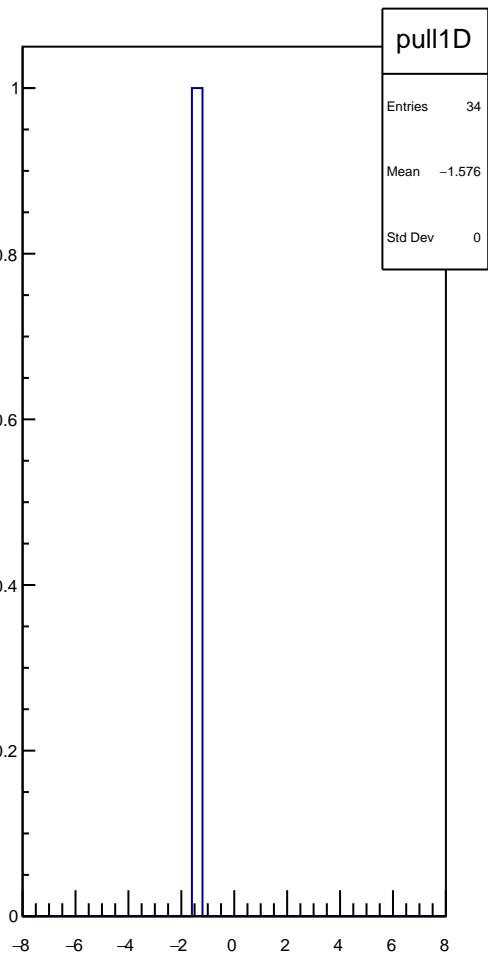
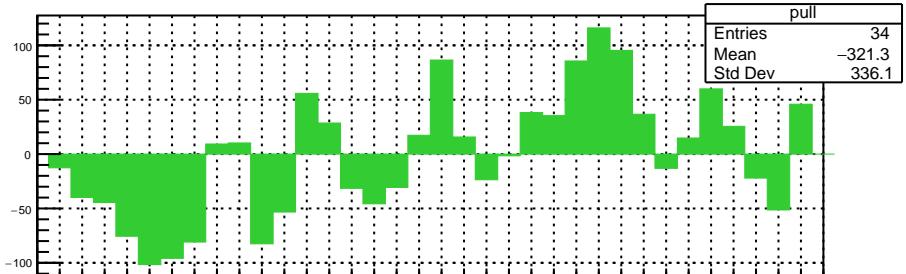
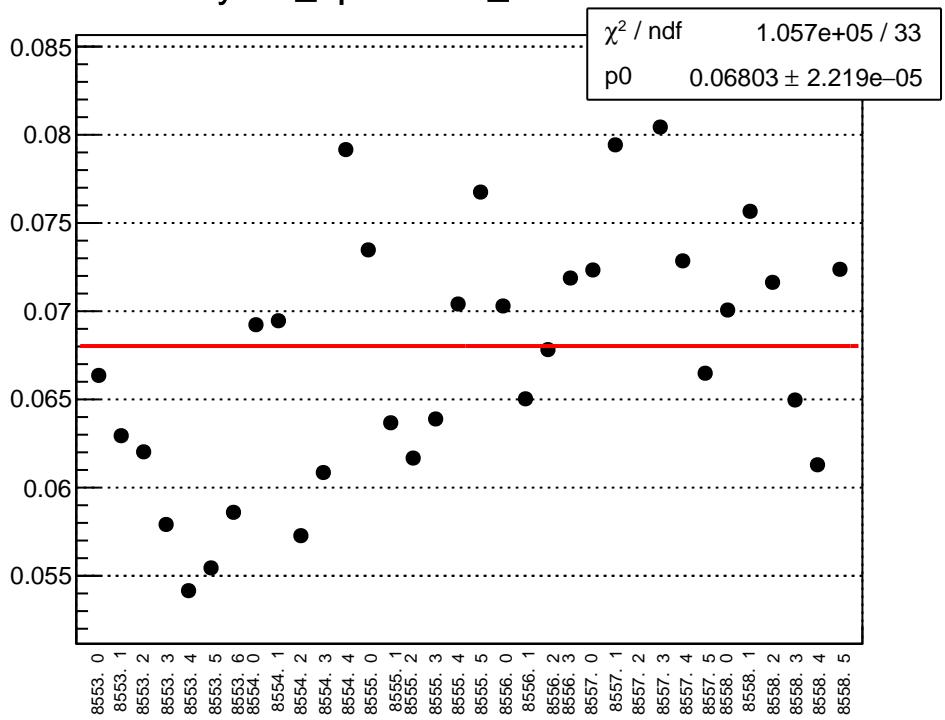
yield_bpm1i02Y_mean vs run



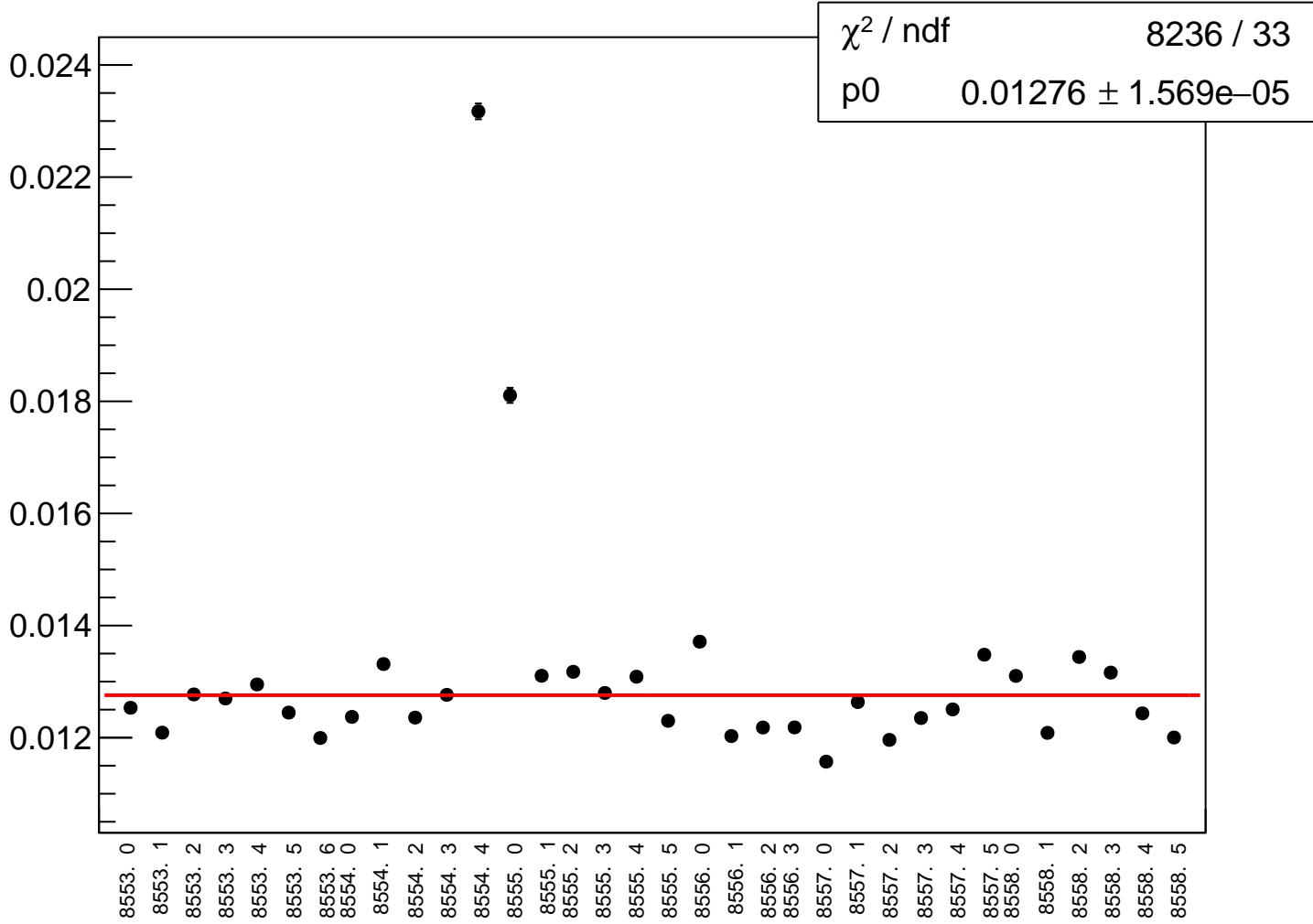
yield_bpm1i02Y_rms vs run



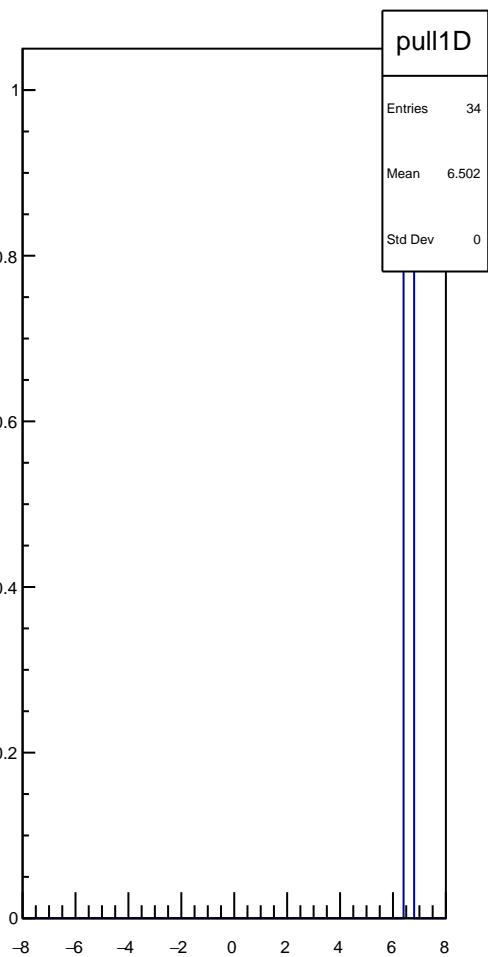
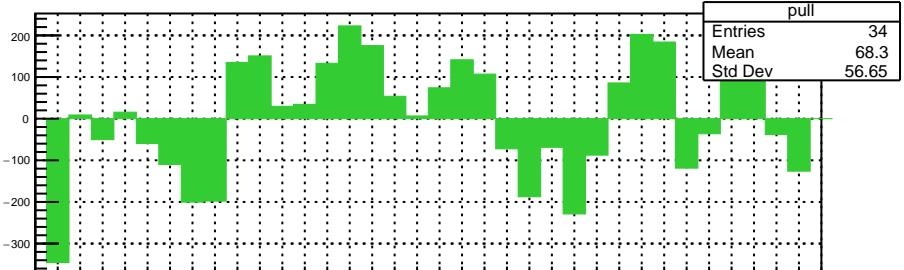
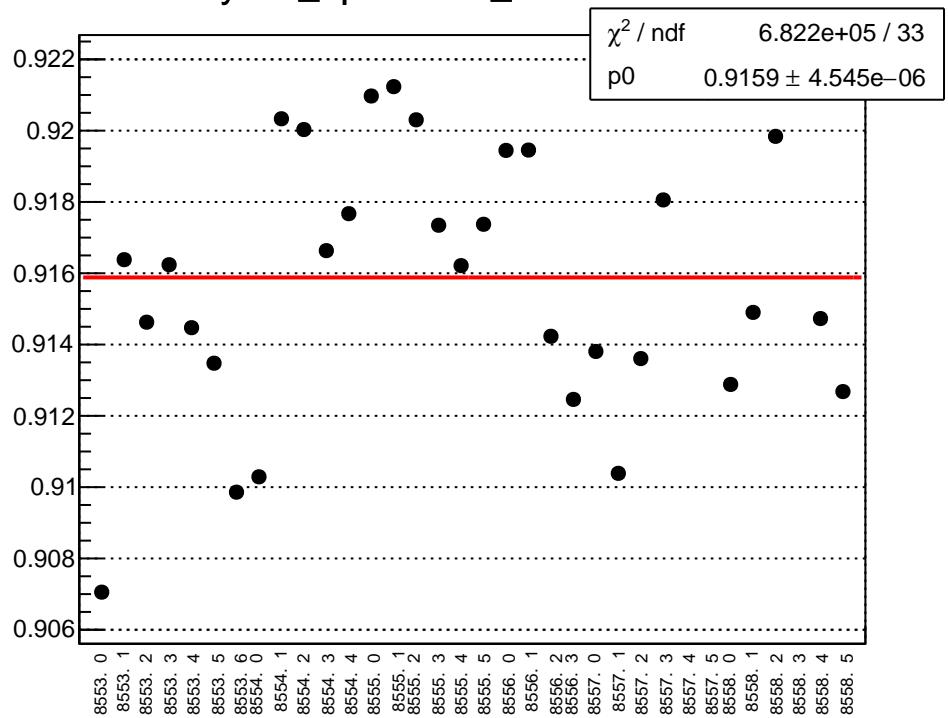
yield_bpm1i04X_mean vs run



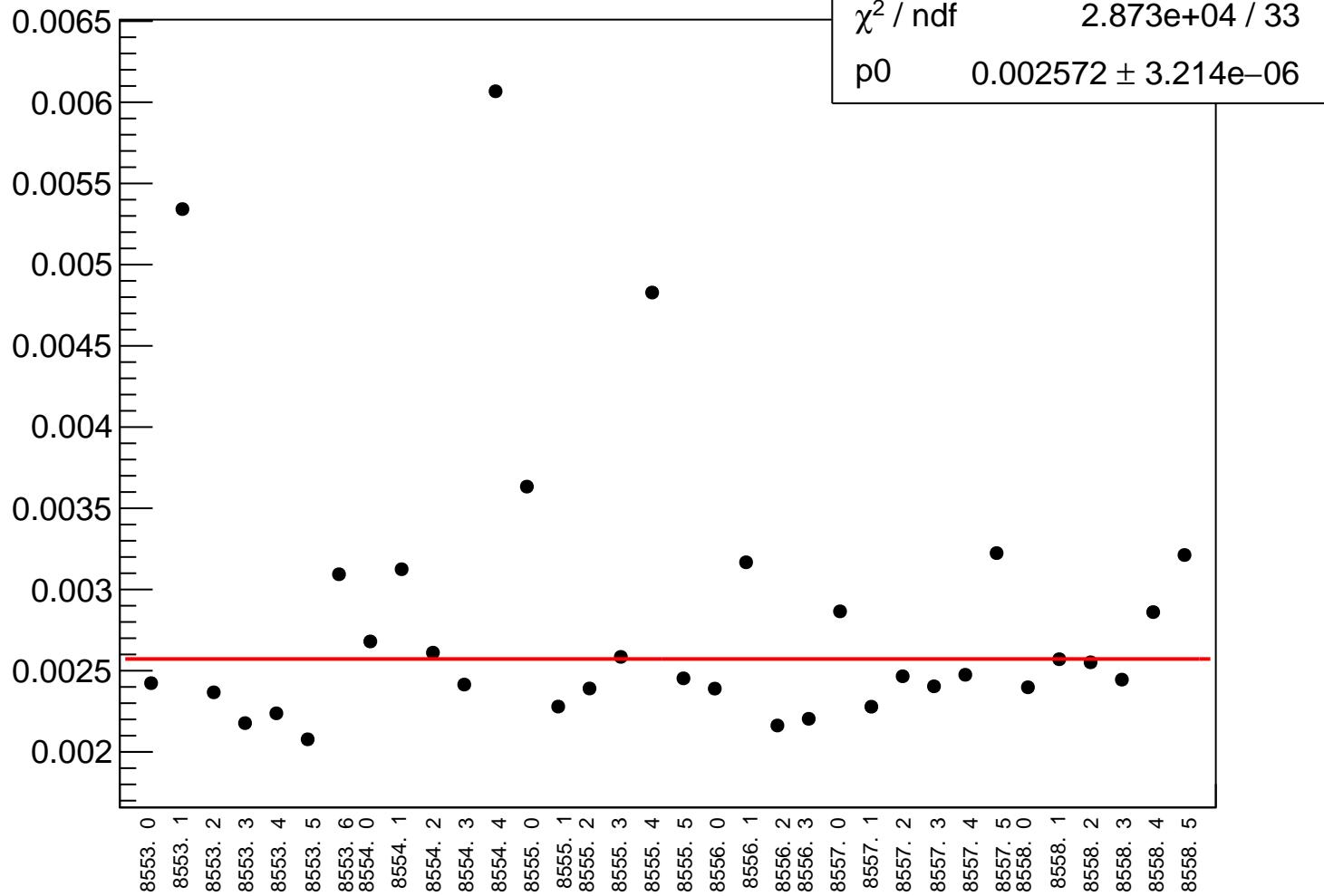
yield_bpm1i04X_rms vs run



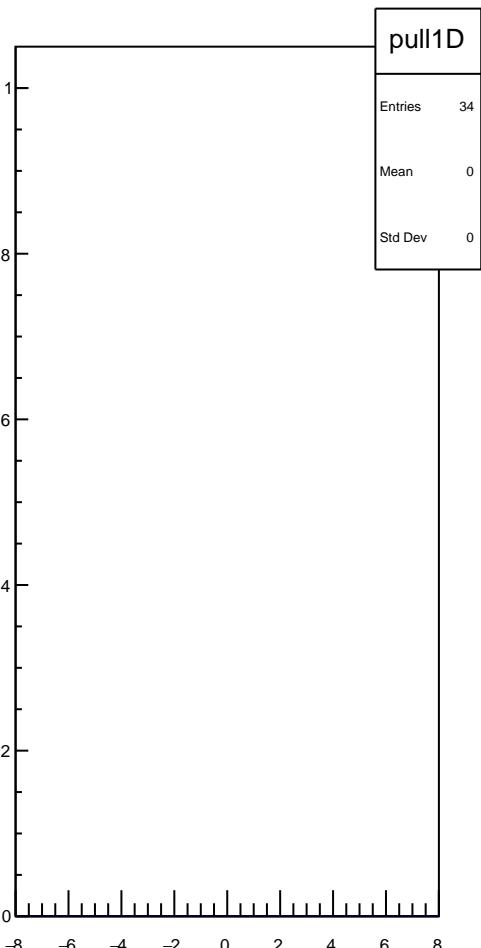
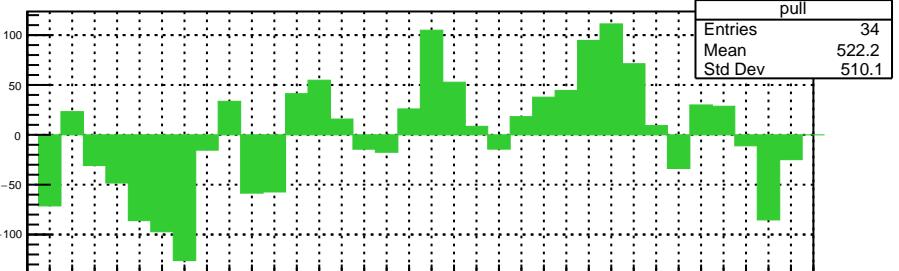
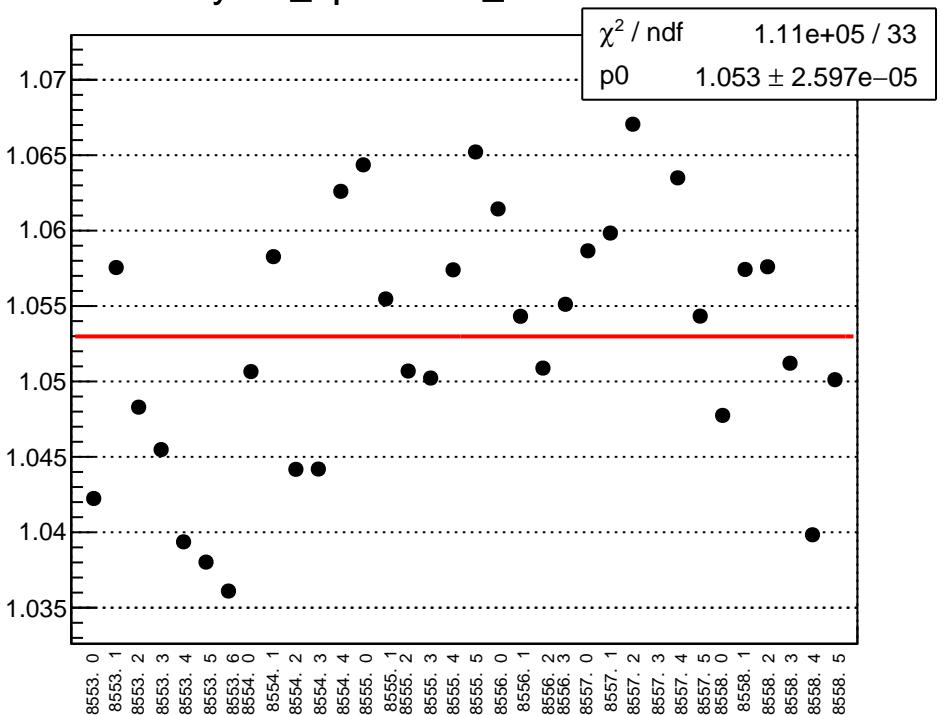
yield_bpm1i04Y_mean vs run



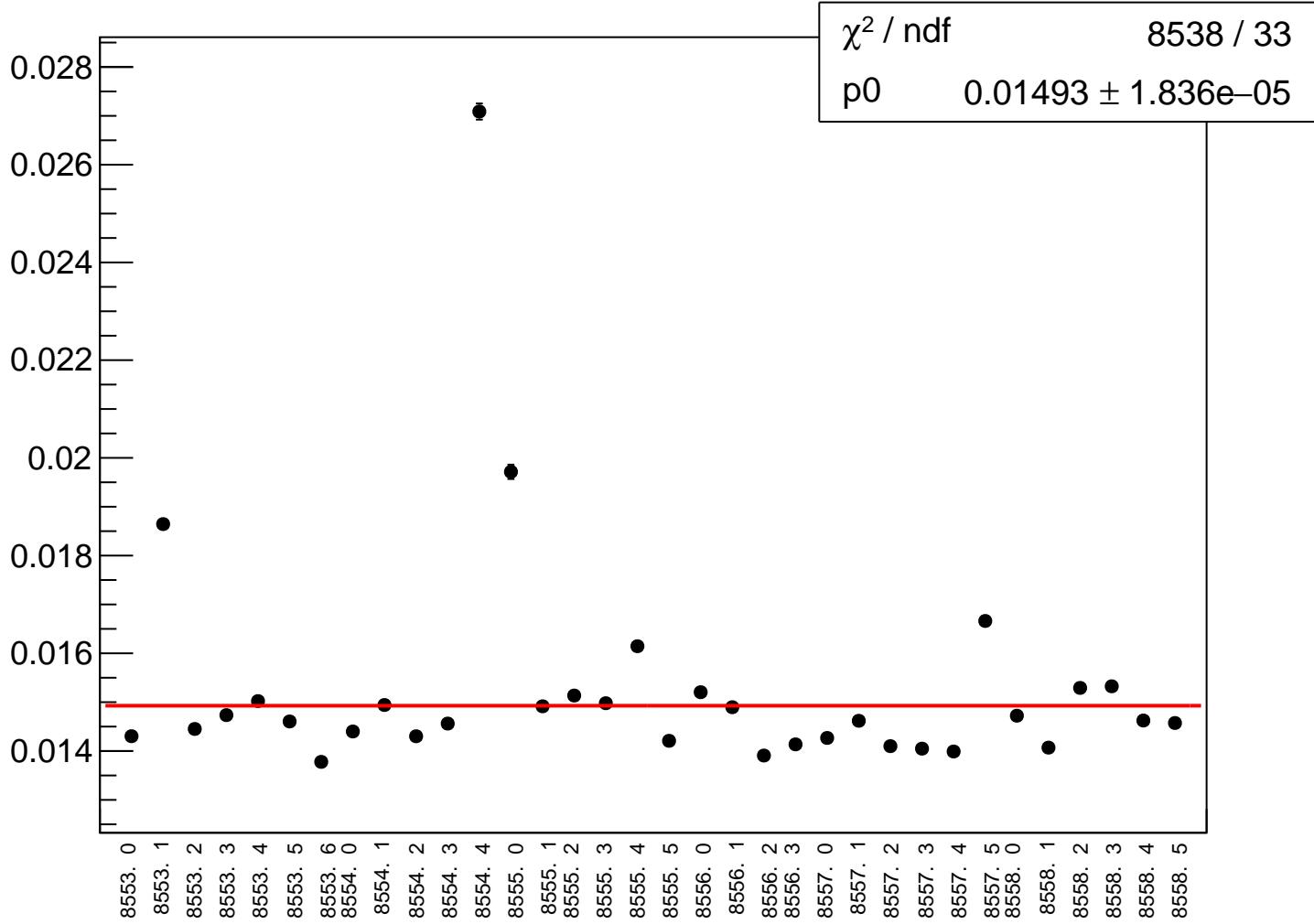
yield_bpm1i04Y_rms vs run



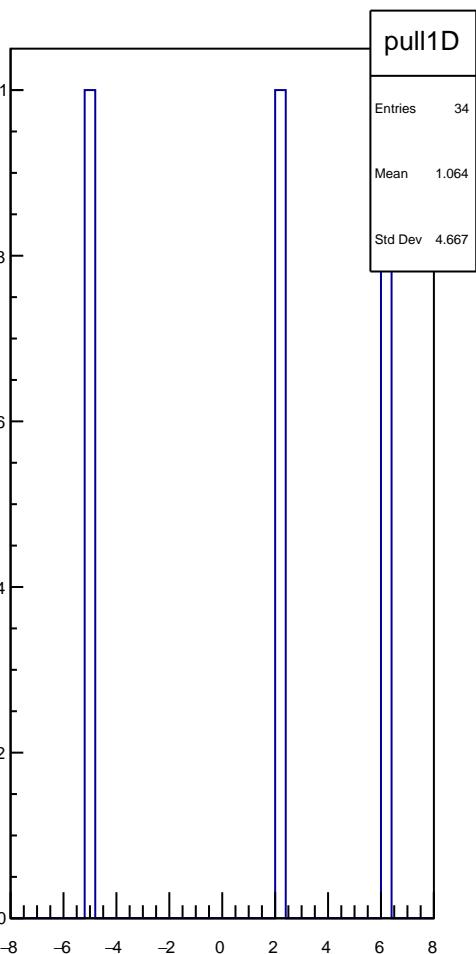
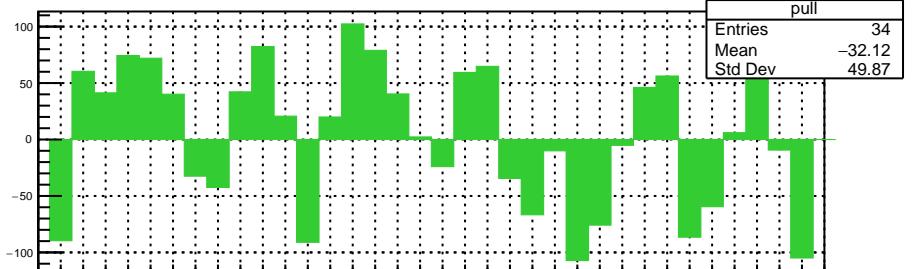
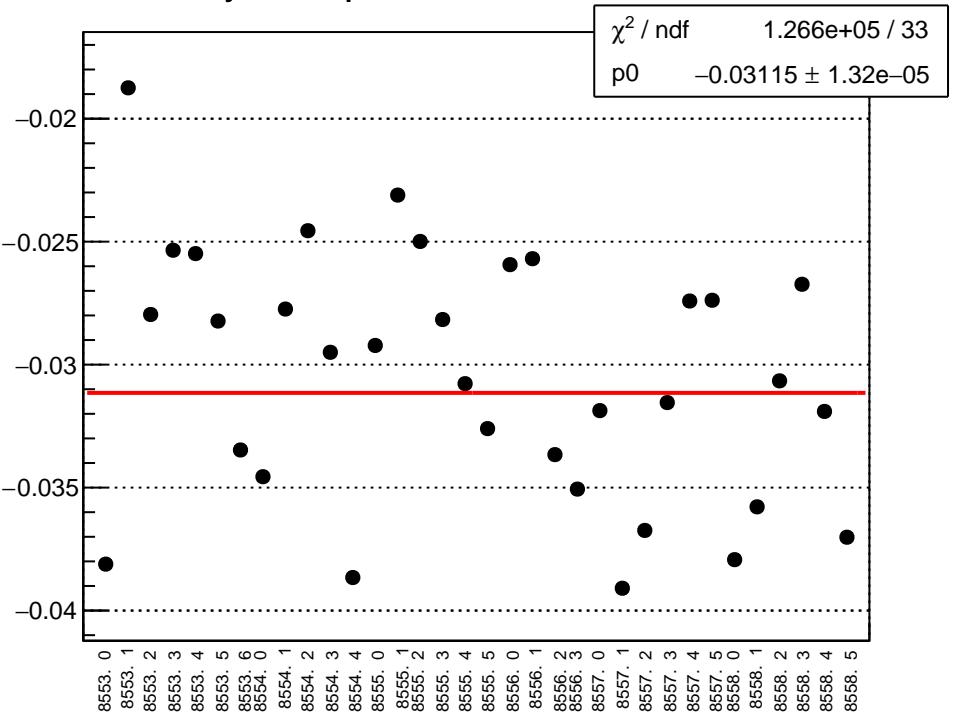
yield_bpm1i06X_mean vs run



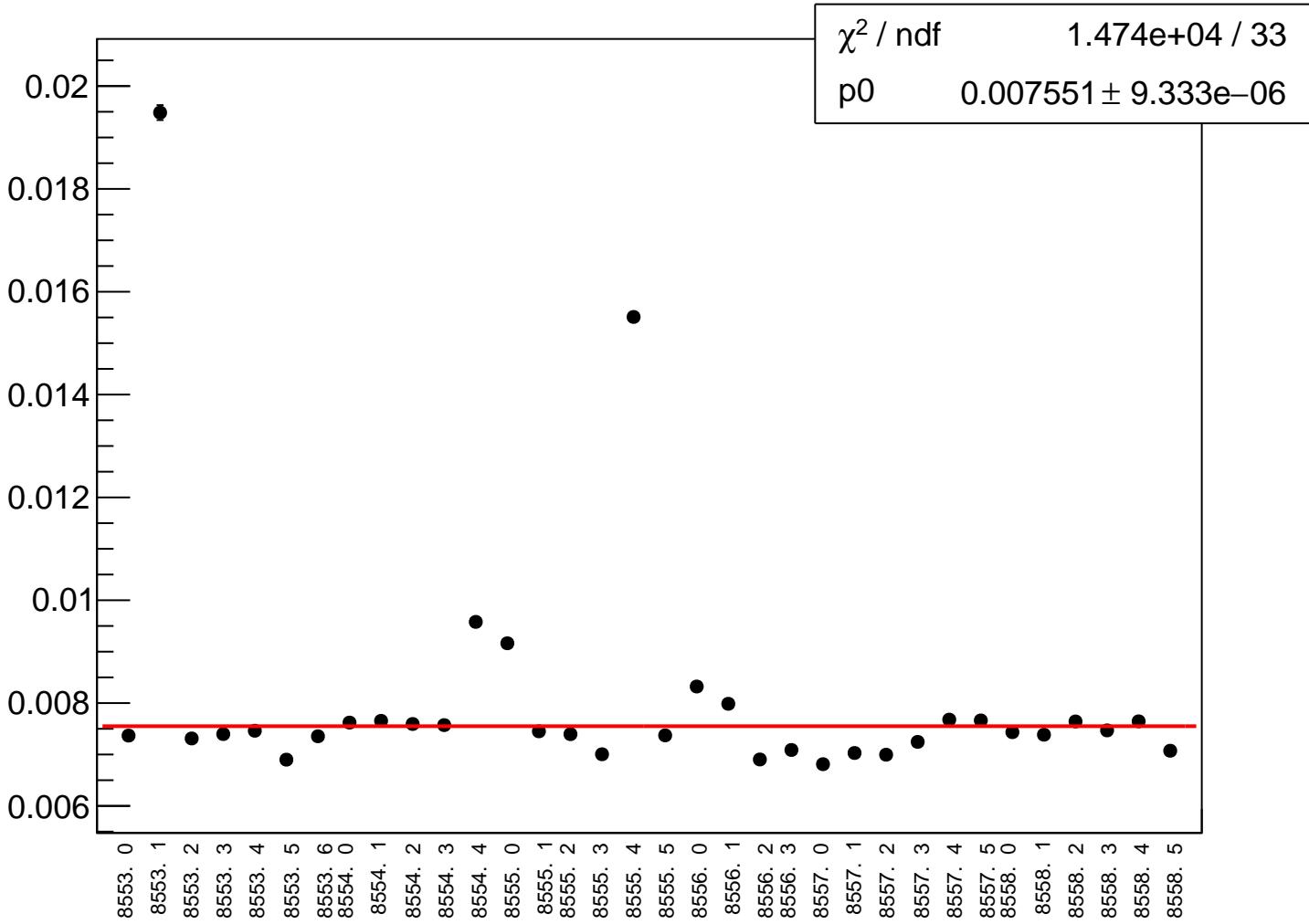
yield_bpm1i06X_rms vs run



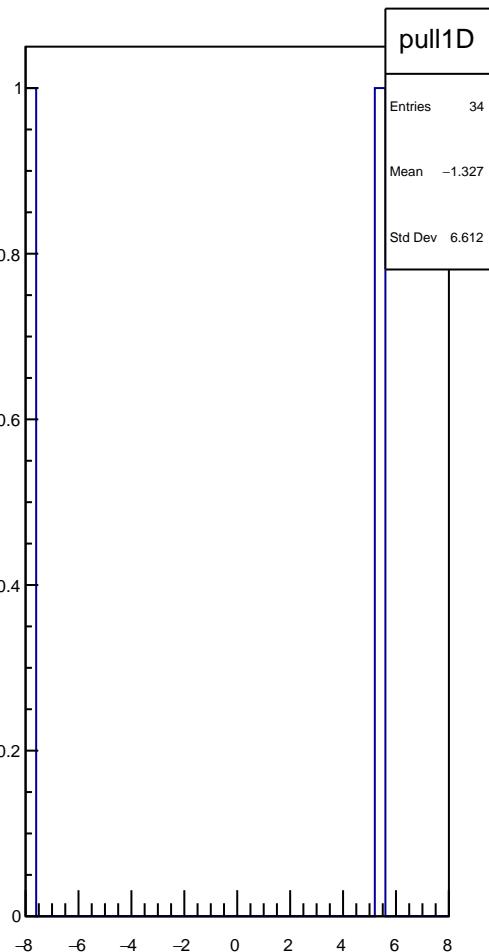
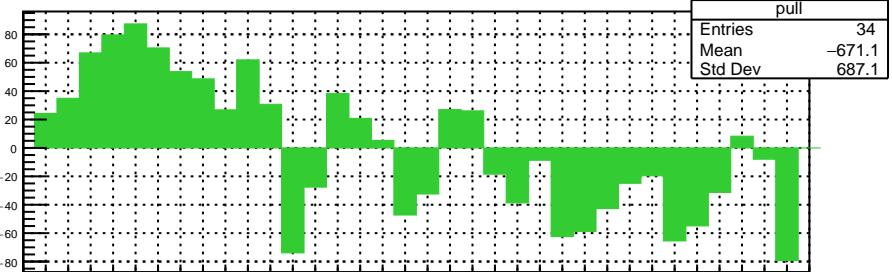
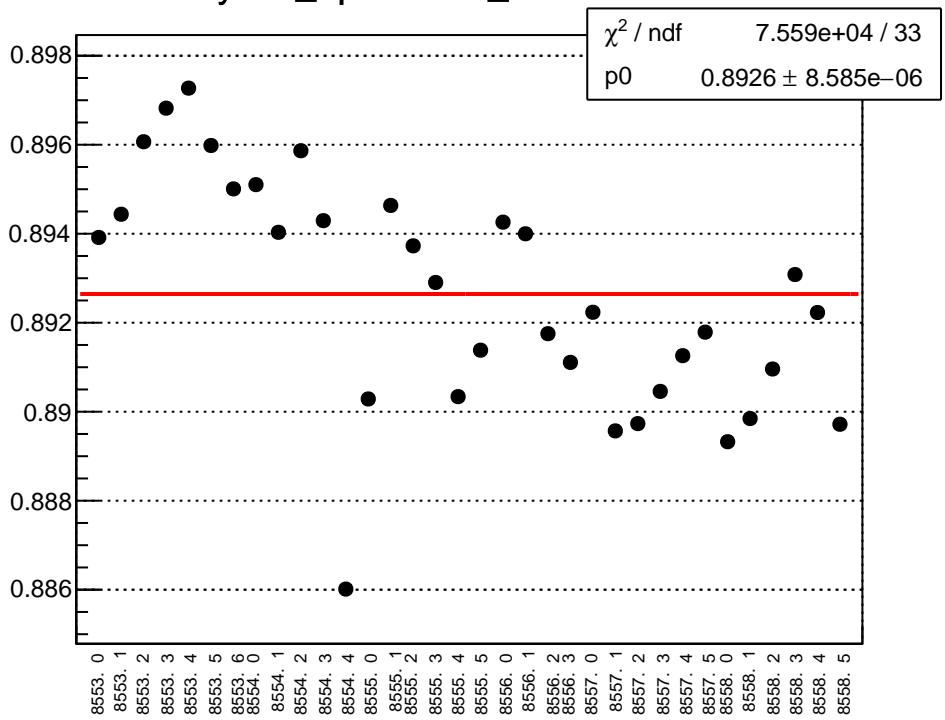
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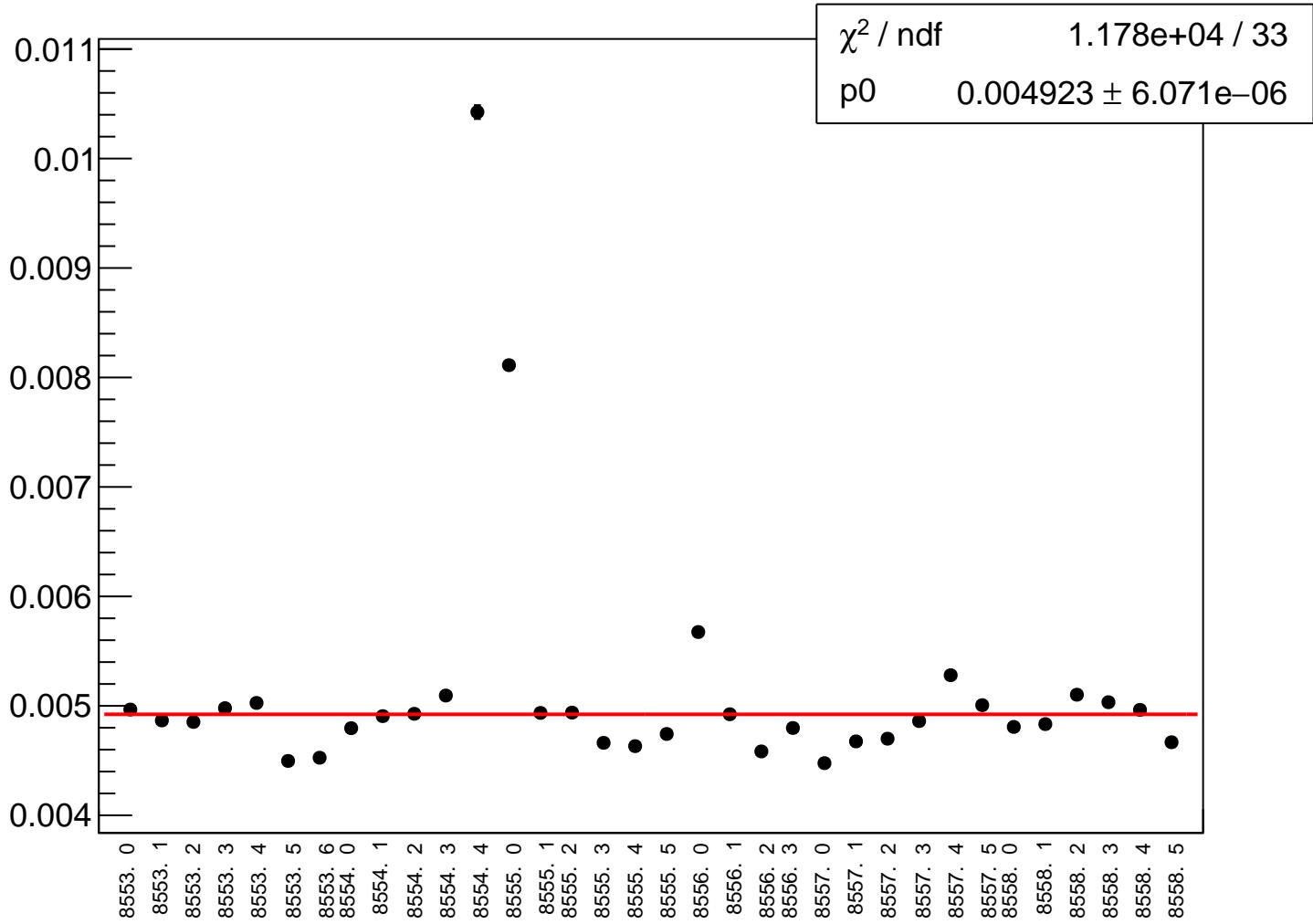
yield_bpm1i06Y_rms vs run



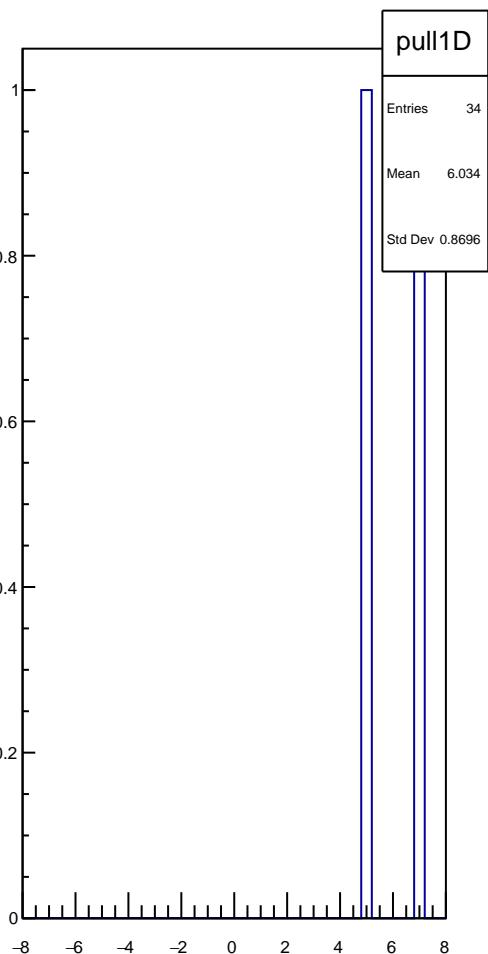
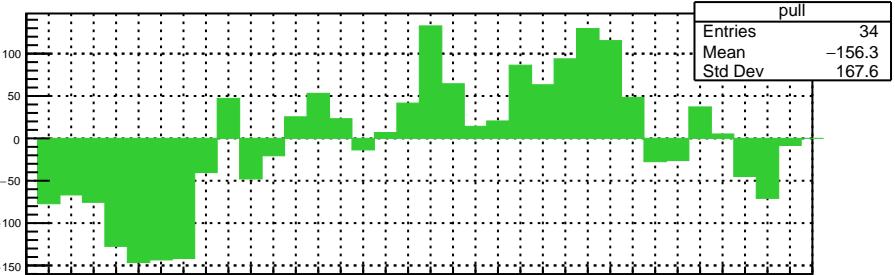
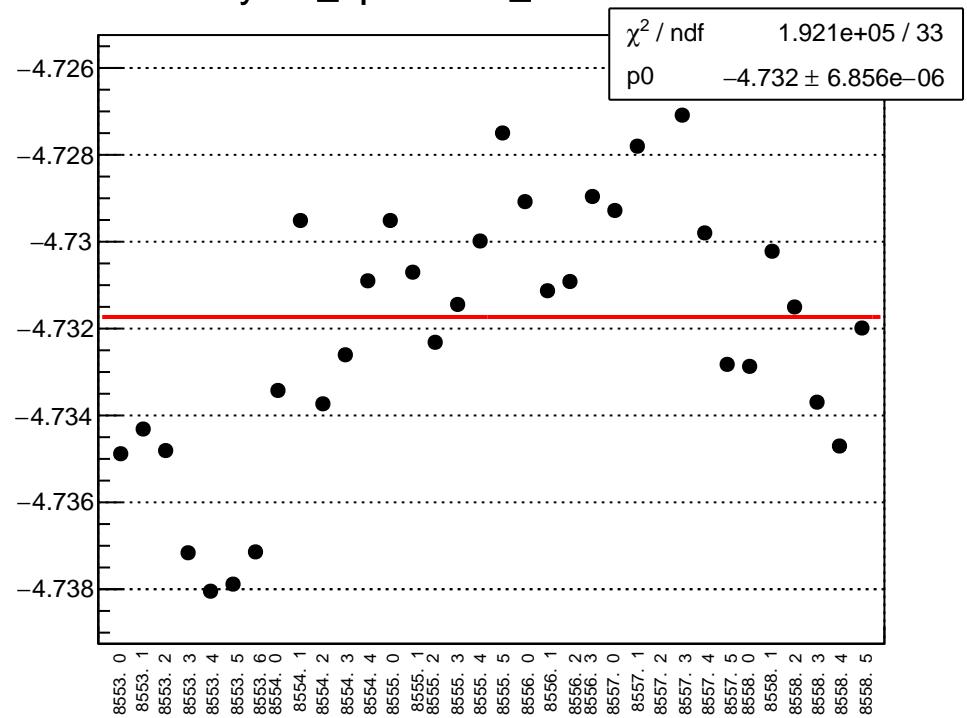
yield_bpm2i01X_mean vs run



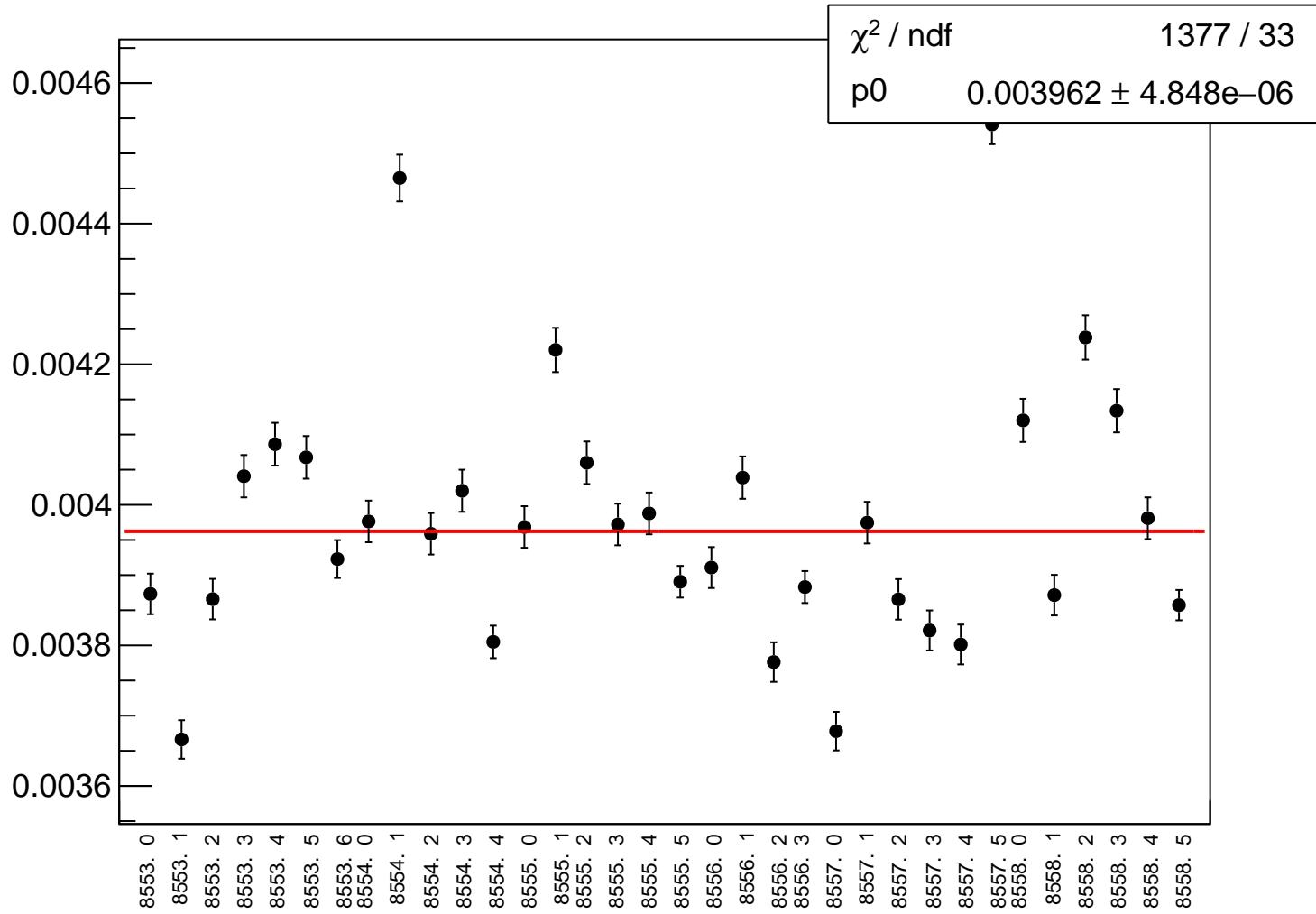
yield_bpm2i01X_rms vs run



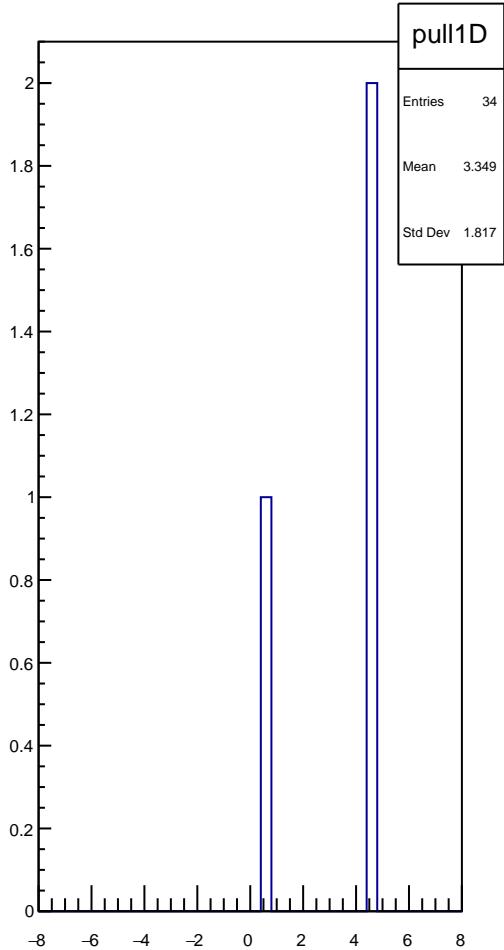
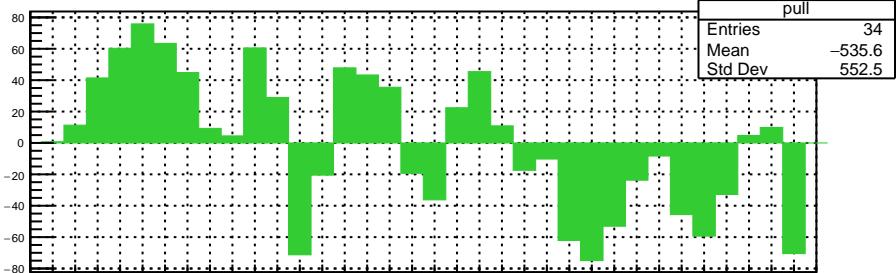
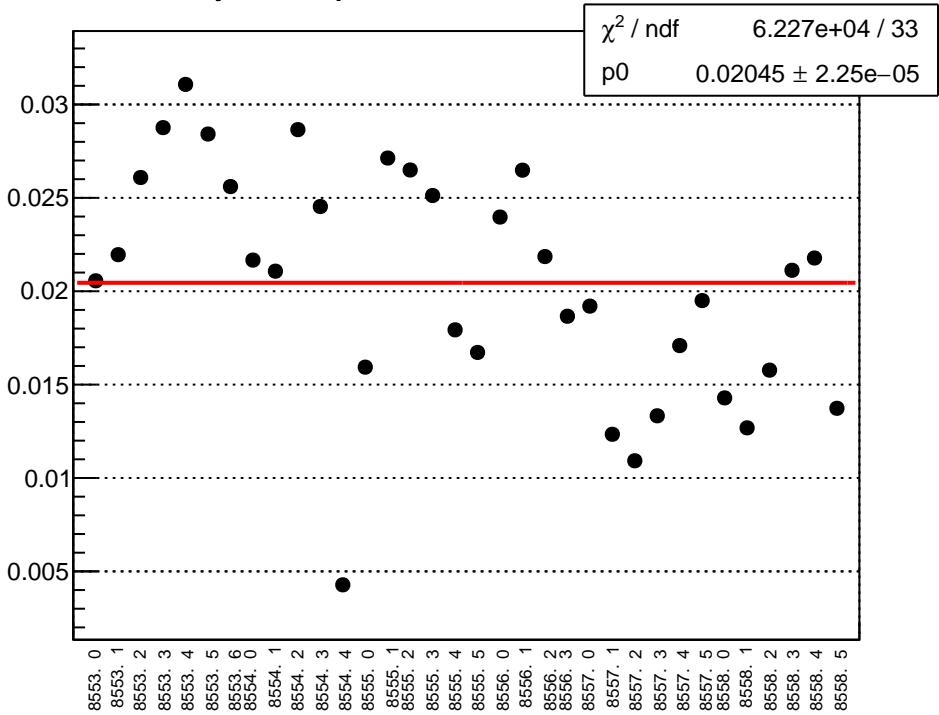
yield_bpm2i01Y_mean vs run



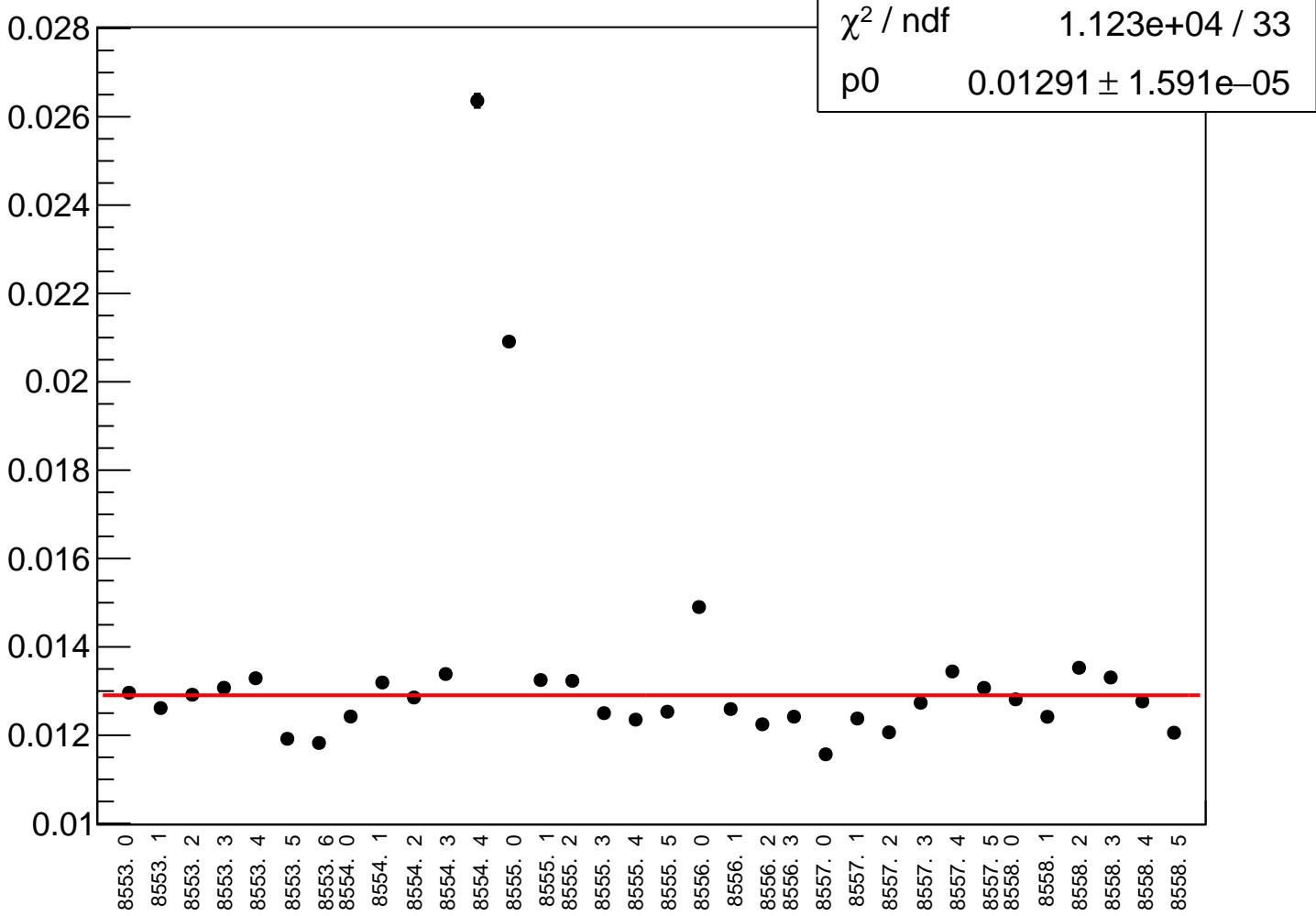
yield_bpm2i01Y_rms vs run



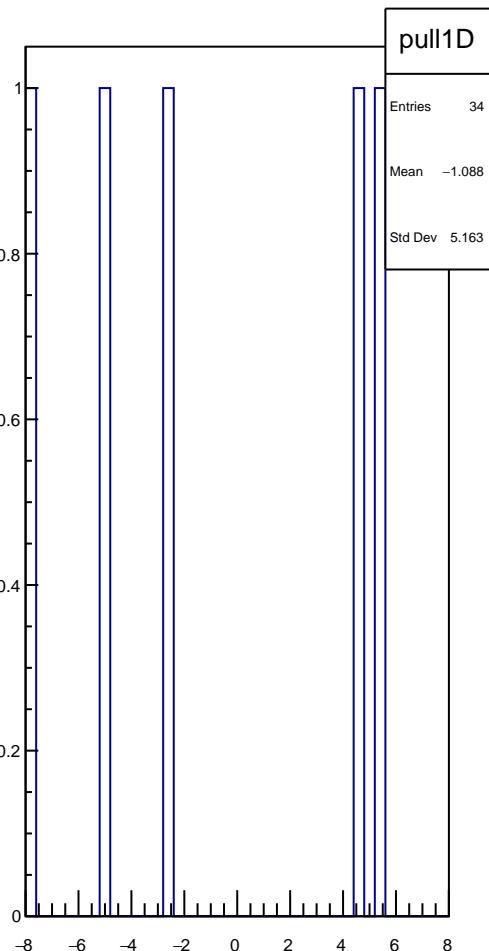
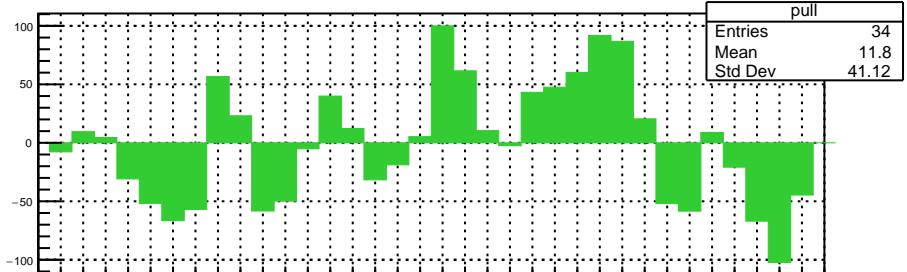
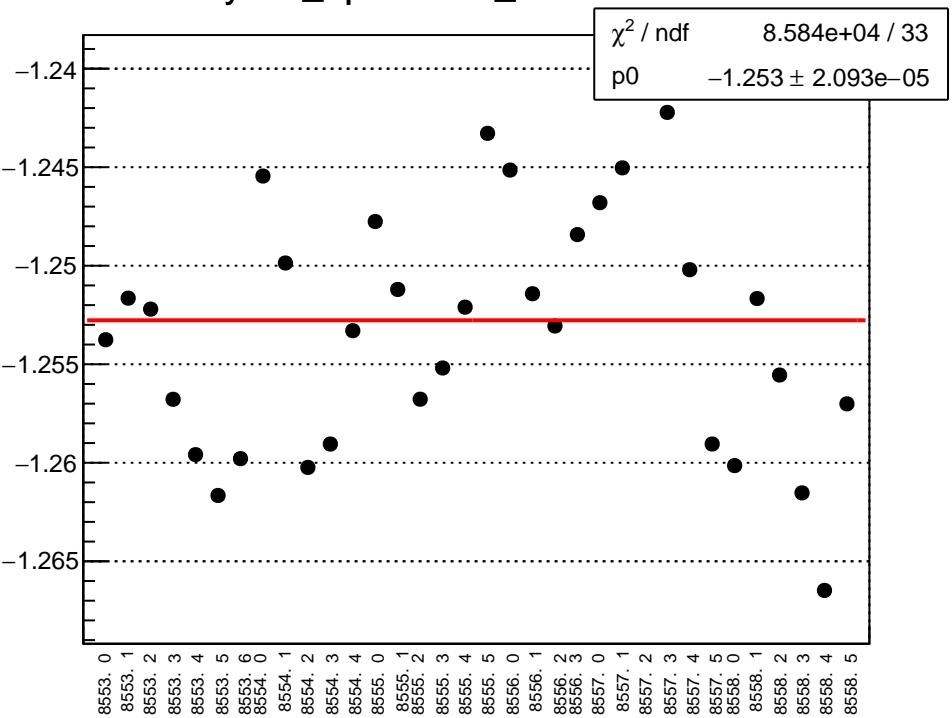
yield_bpm2i02X_mean vs run



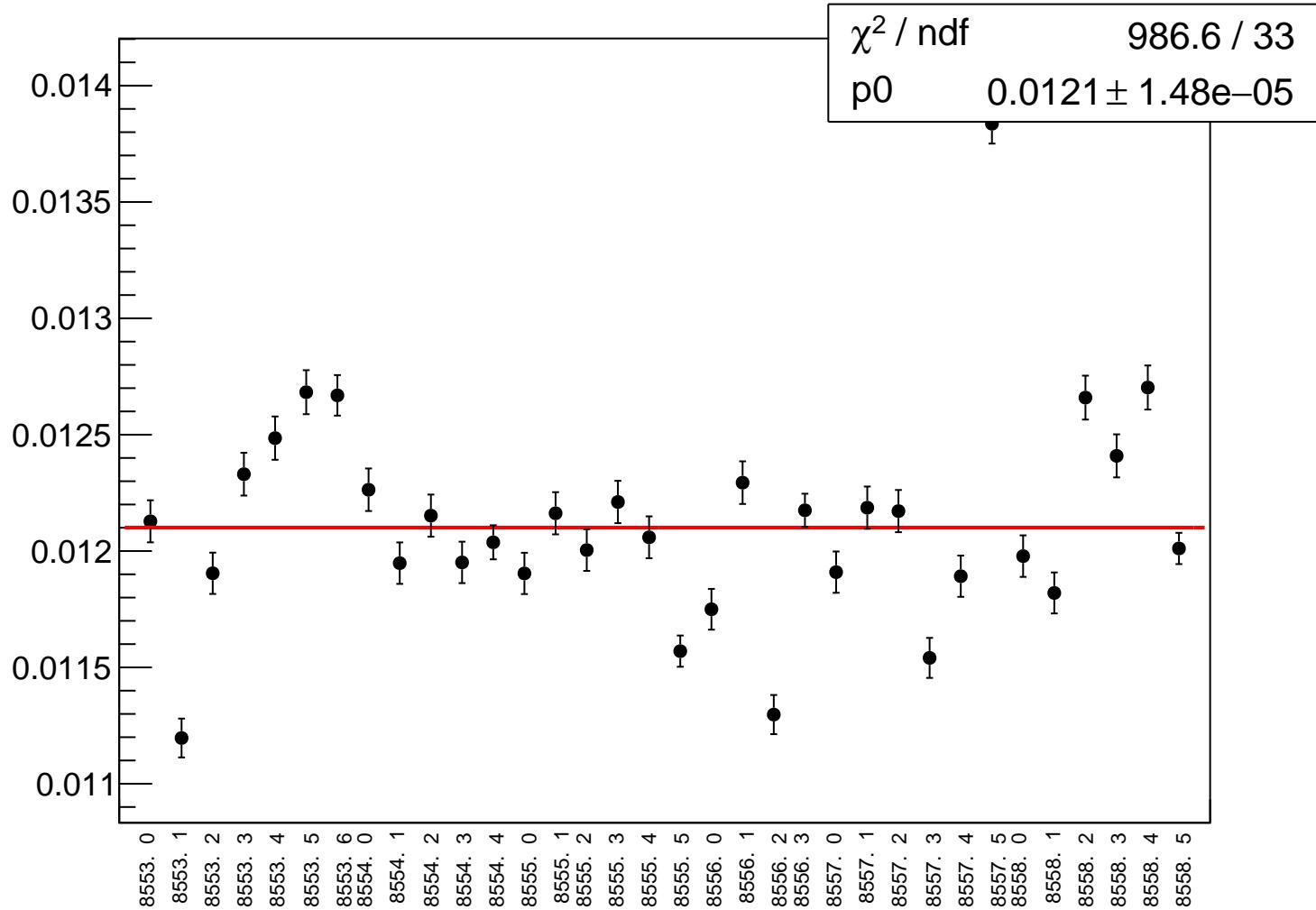
yield_bpm2i02X_rms vs run



yield_bpm2i02Y_mean vs run

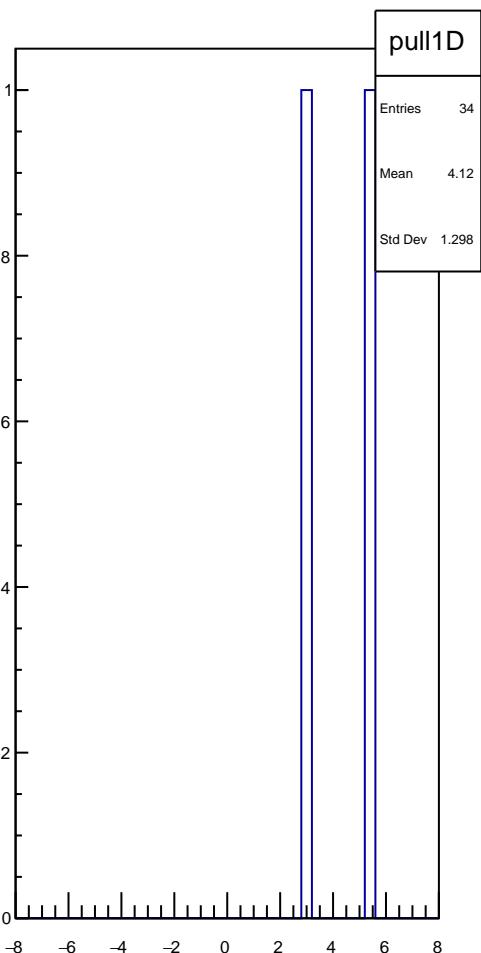
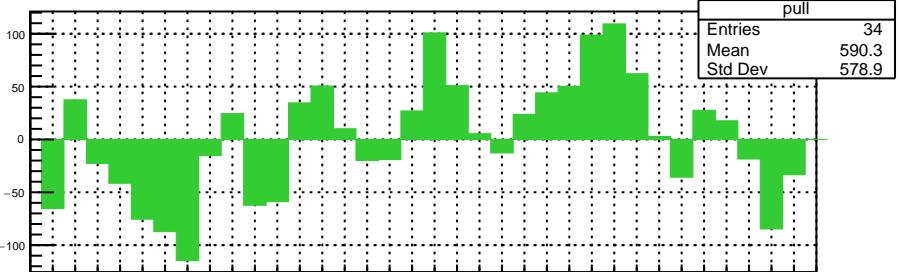
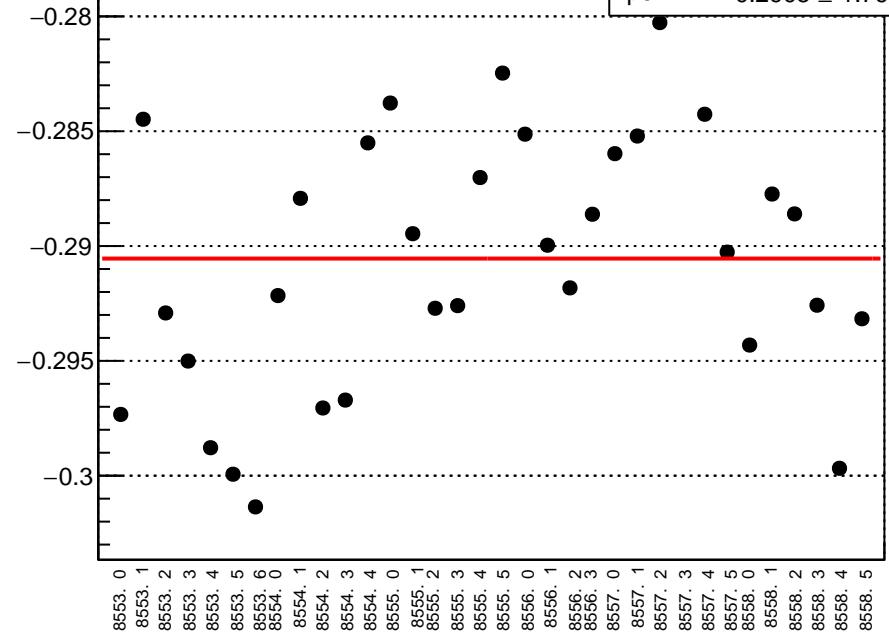


yield_bpm2i02Y_rms vs run

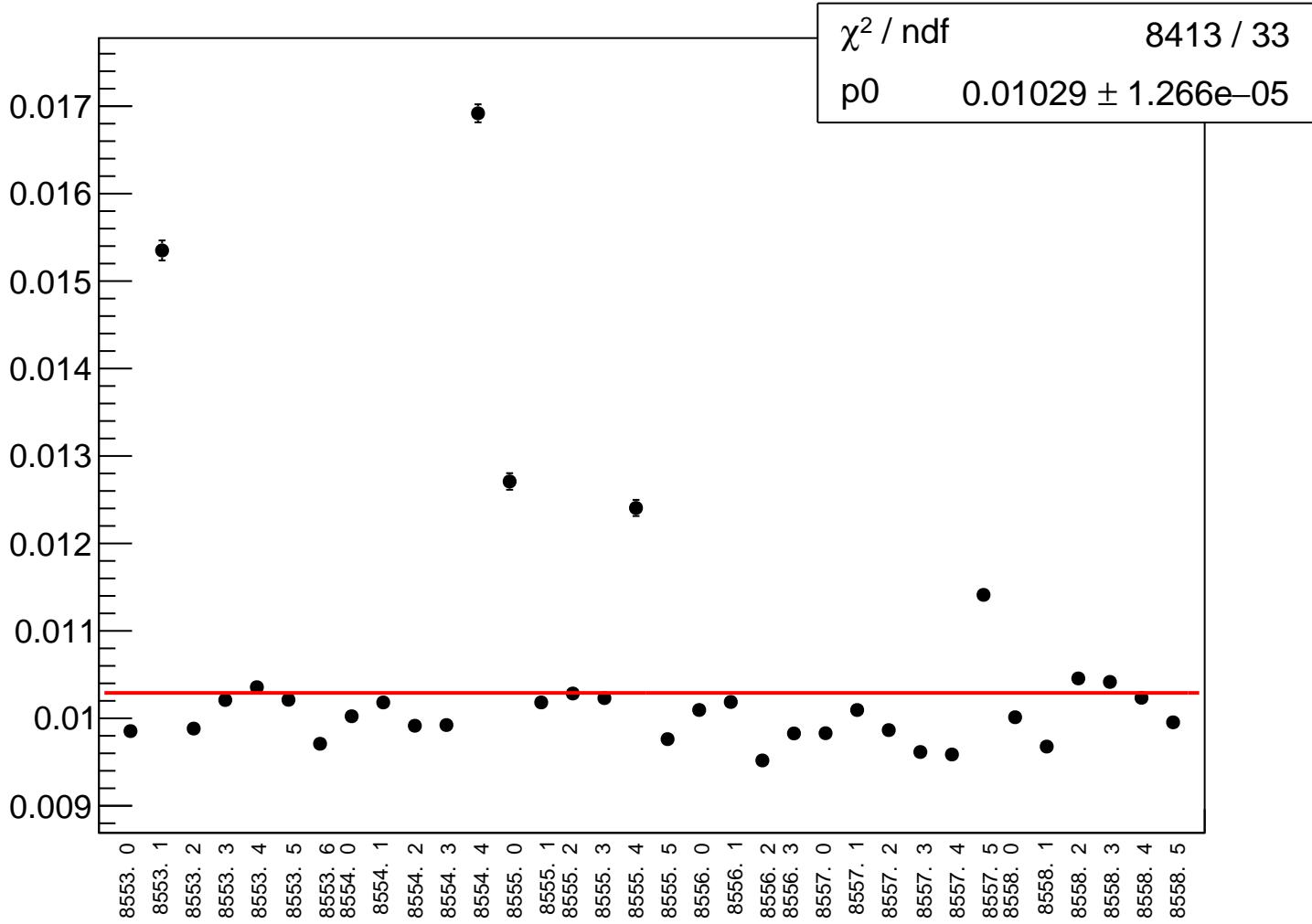


yield_bpm0i01X_mean vs run

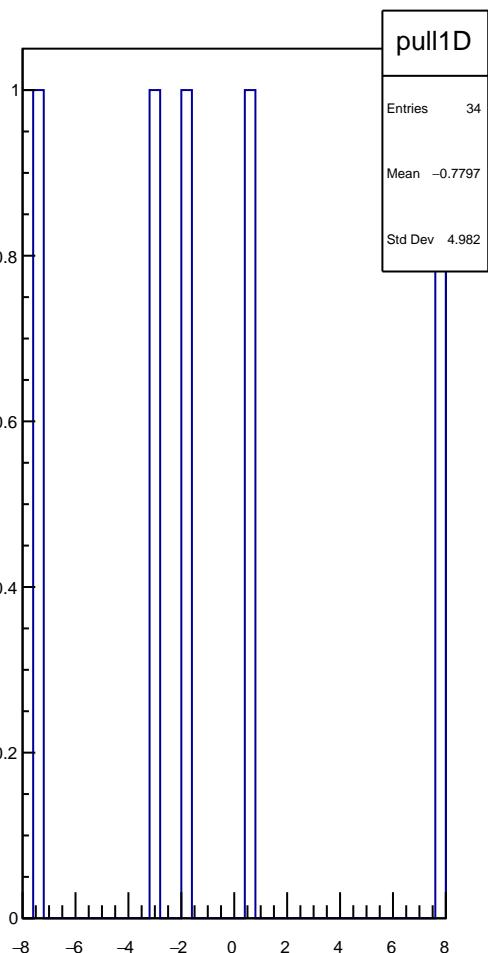
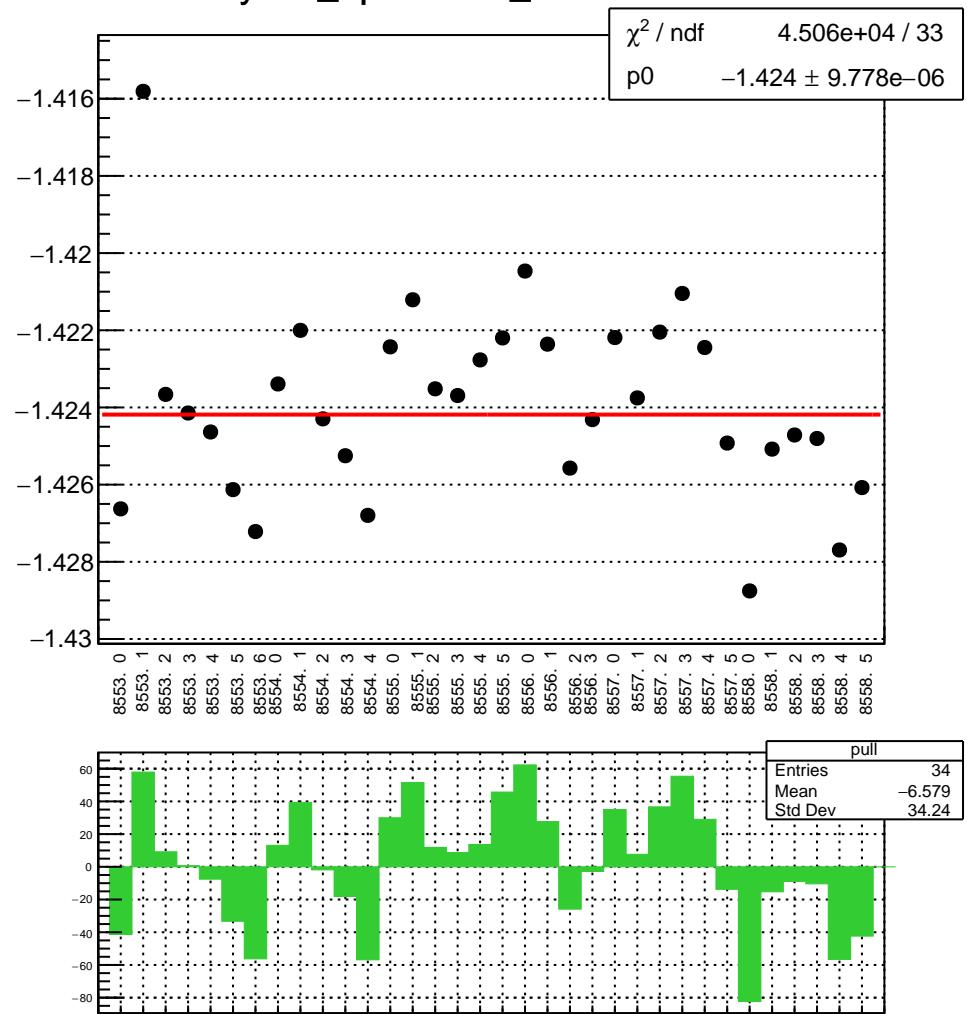
χ^2 / ndf $1.024\text{e+}05 / 33$
 p_0 $-0.2905 \pm 1.79\text{e-}05$



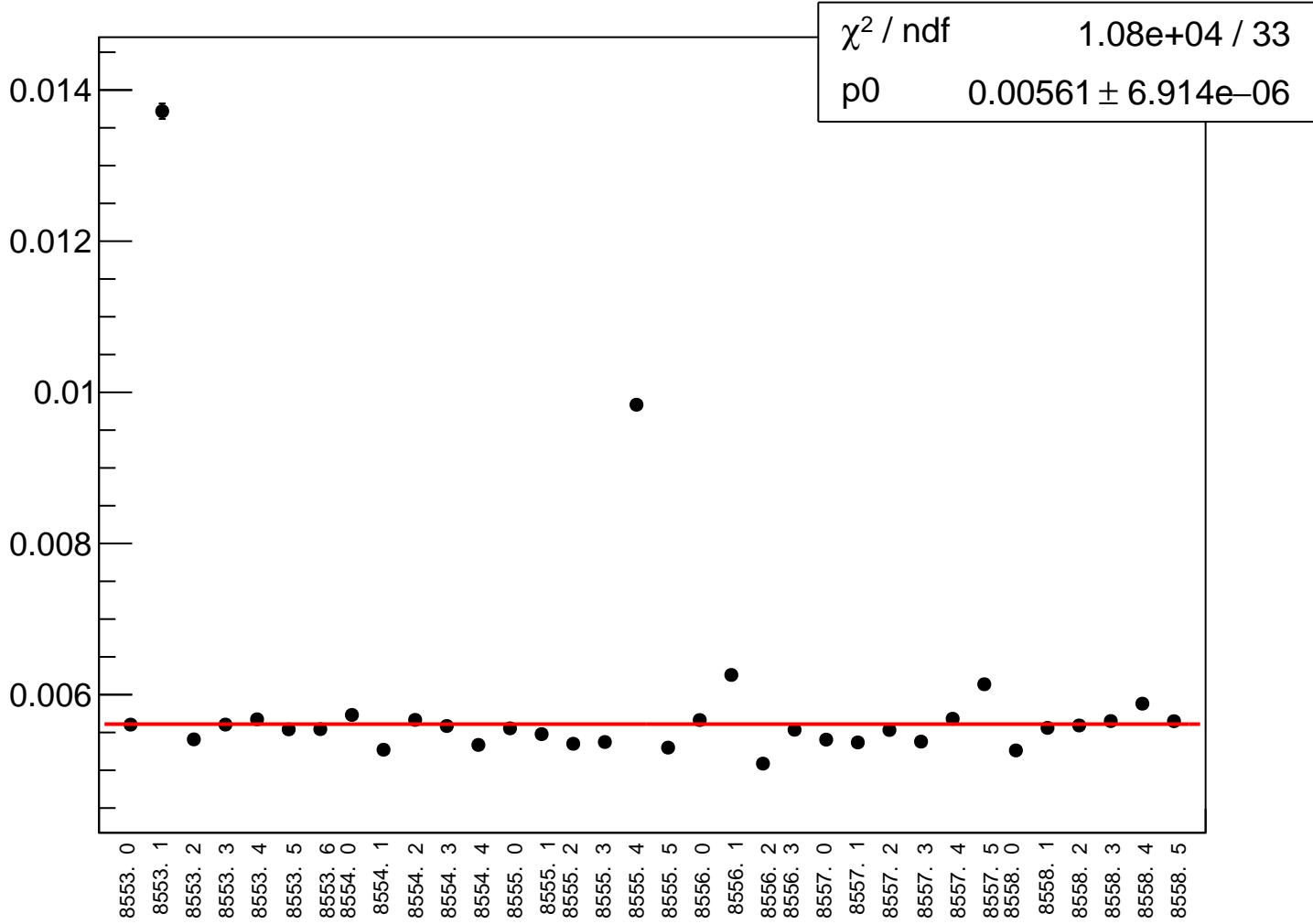
yield_bpm0i01X_rms vs run



yield_bpm0i01Y_mean vs run

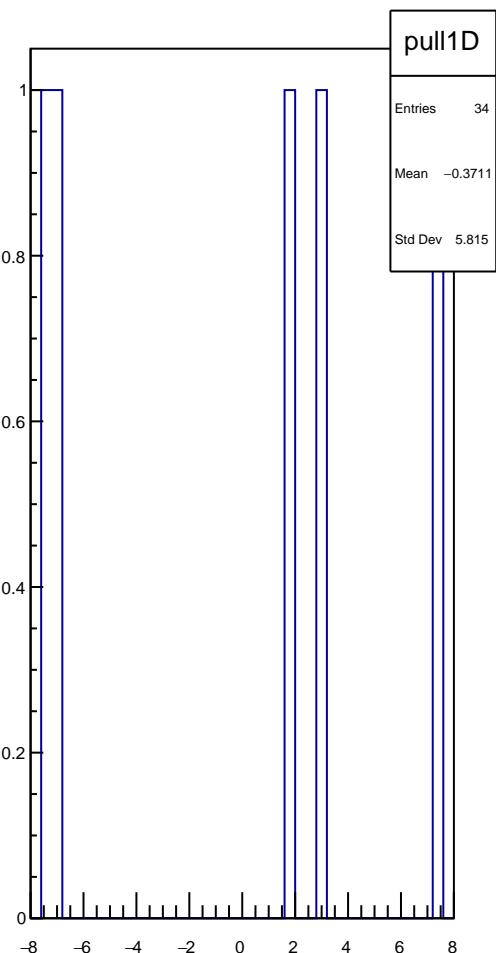
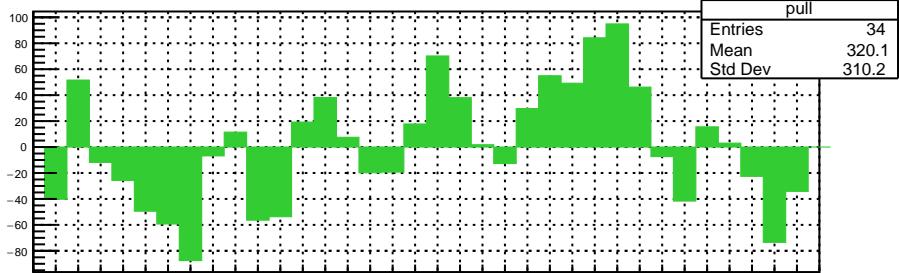
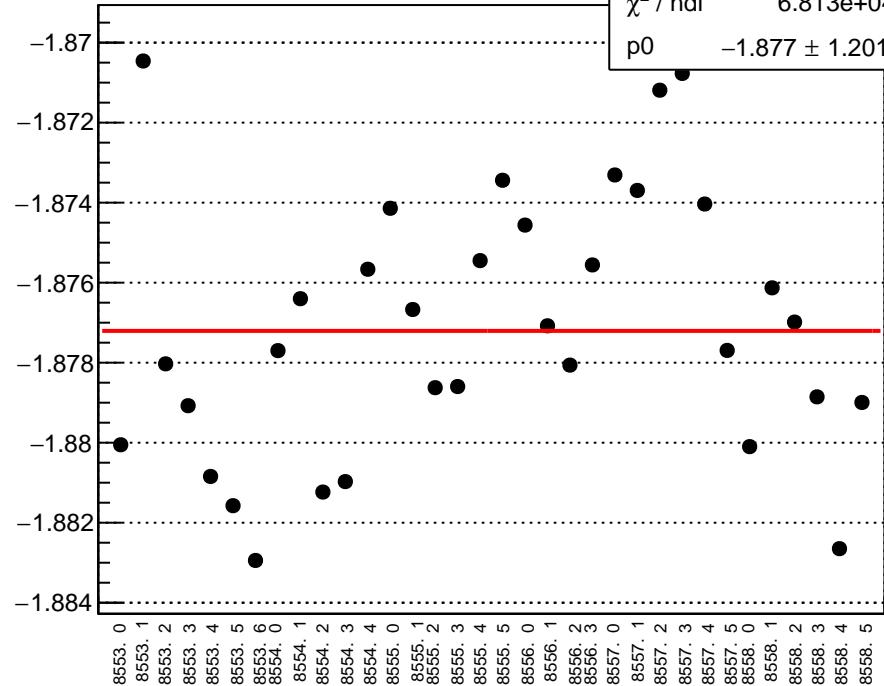


yield_bpm0i01Y_rms vs run

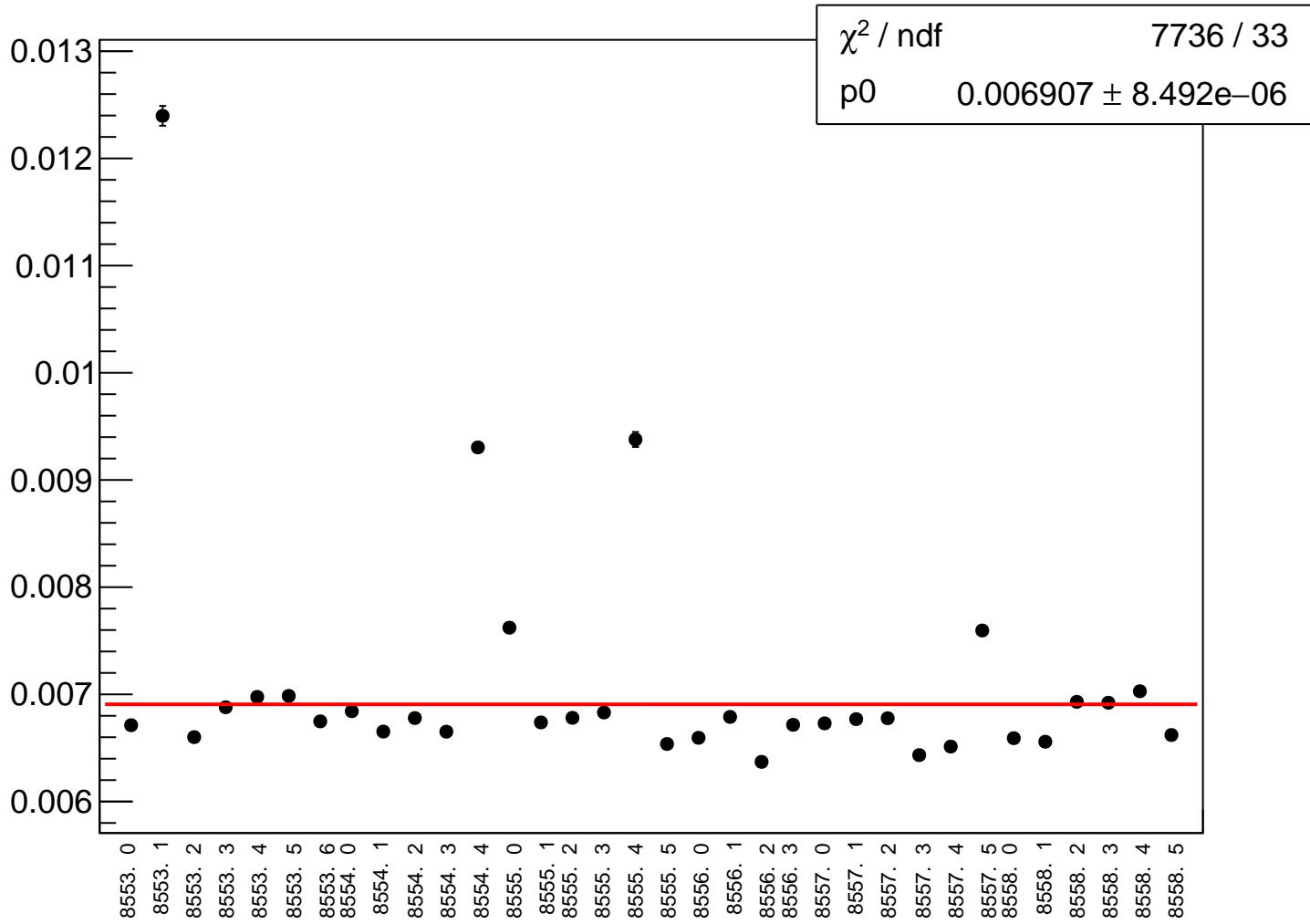


yield_bpm0i01aX_mean vs run

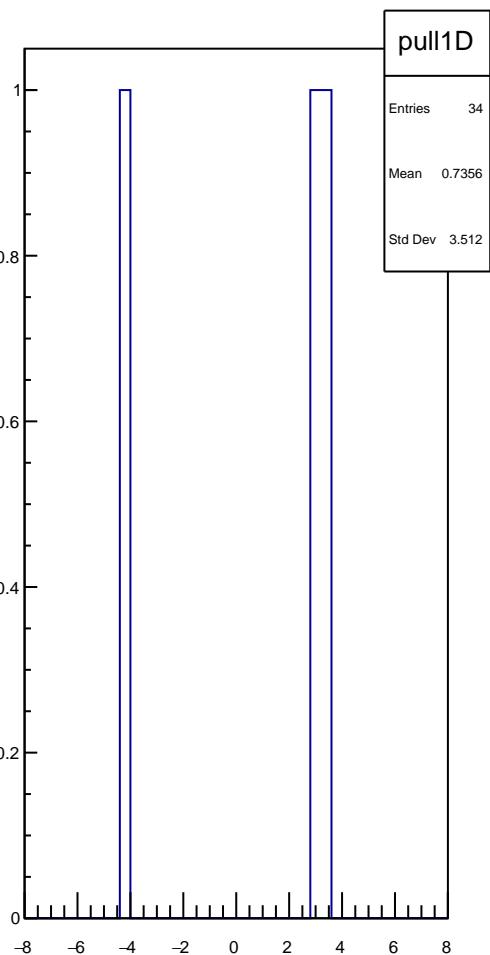
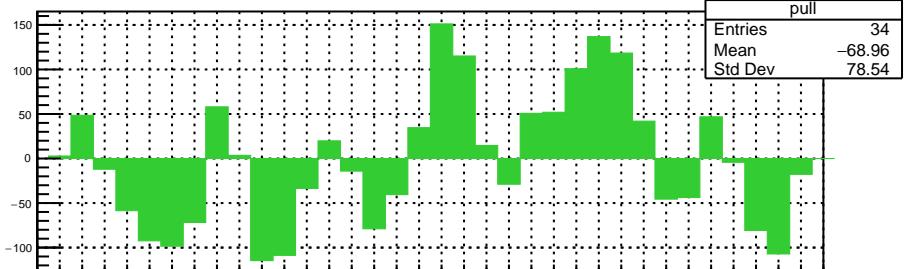
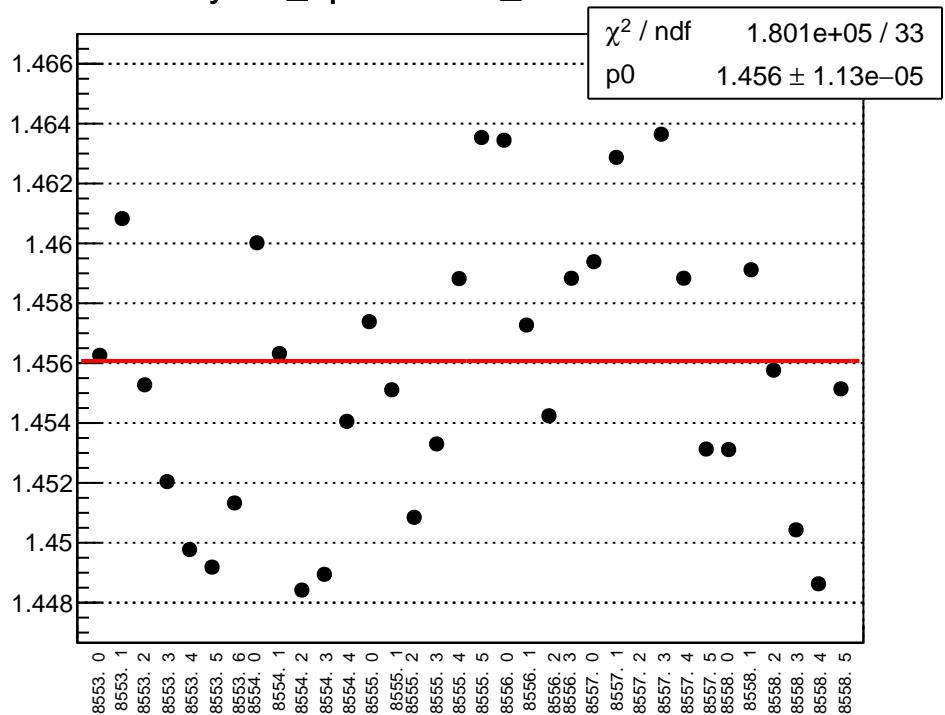
χ^2 / ndf 6.813e+04 / 33
 $p0$ $-1.877 \pm 1.201\text{e}{-}05$



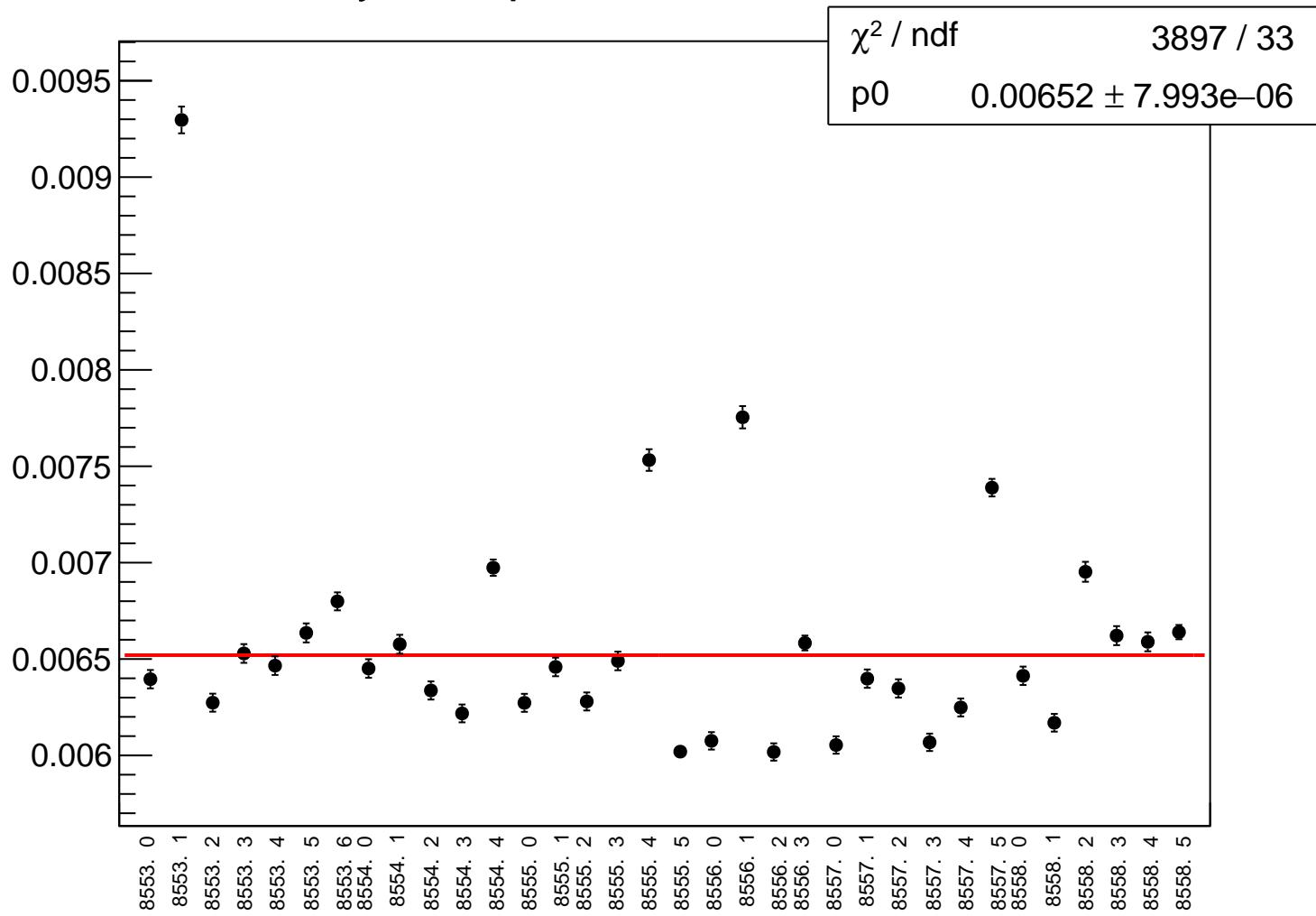
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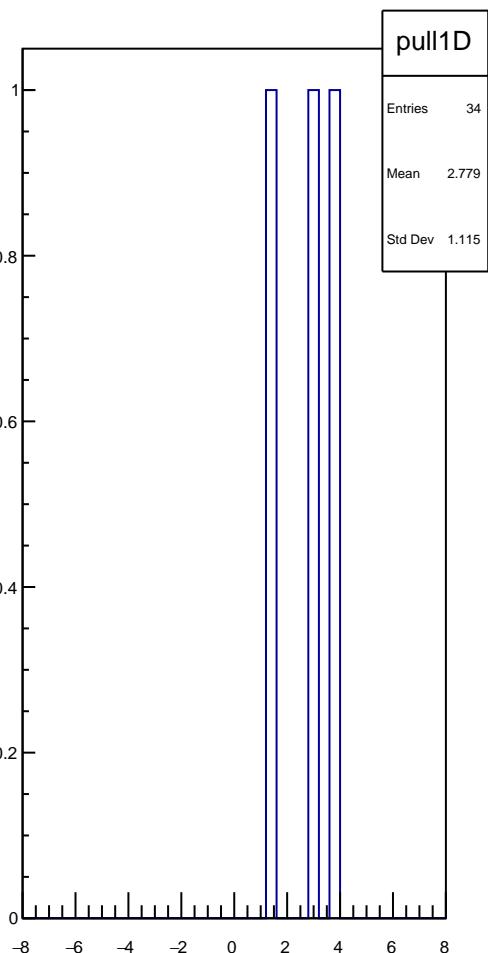
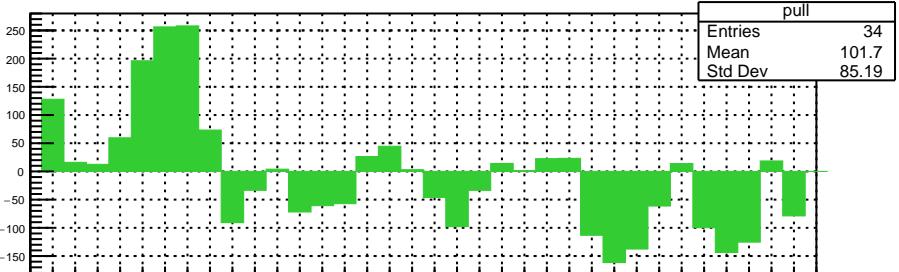
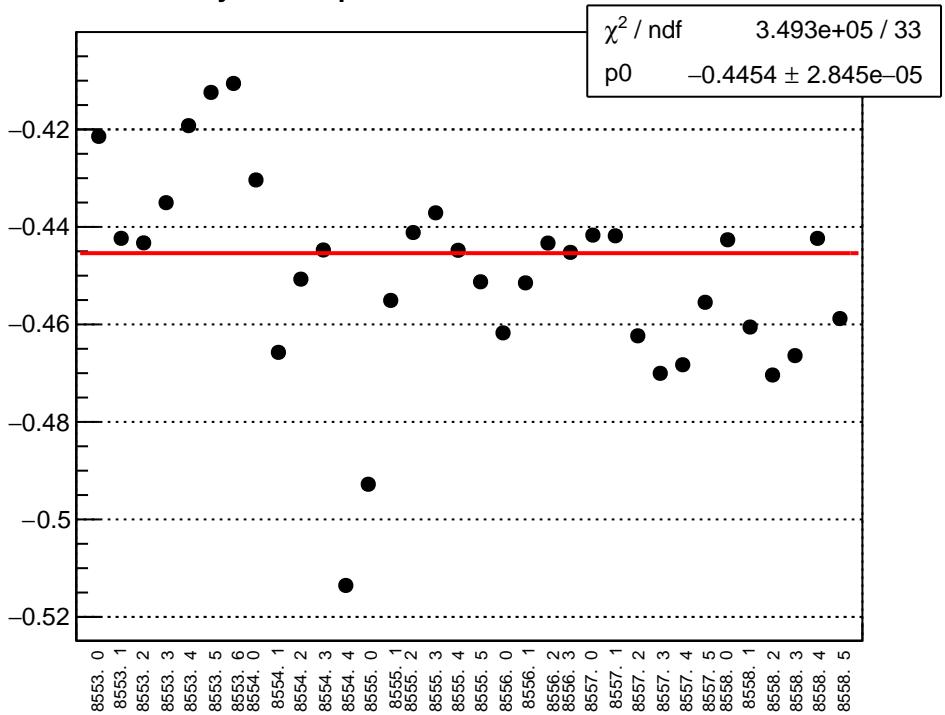
yield_bpm0i01aY_mean vs run



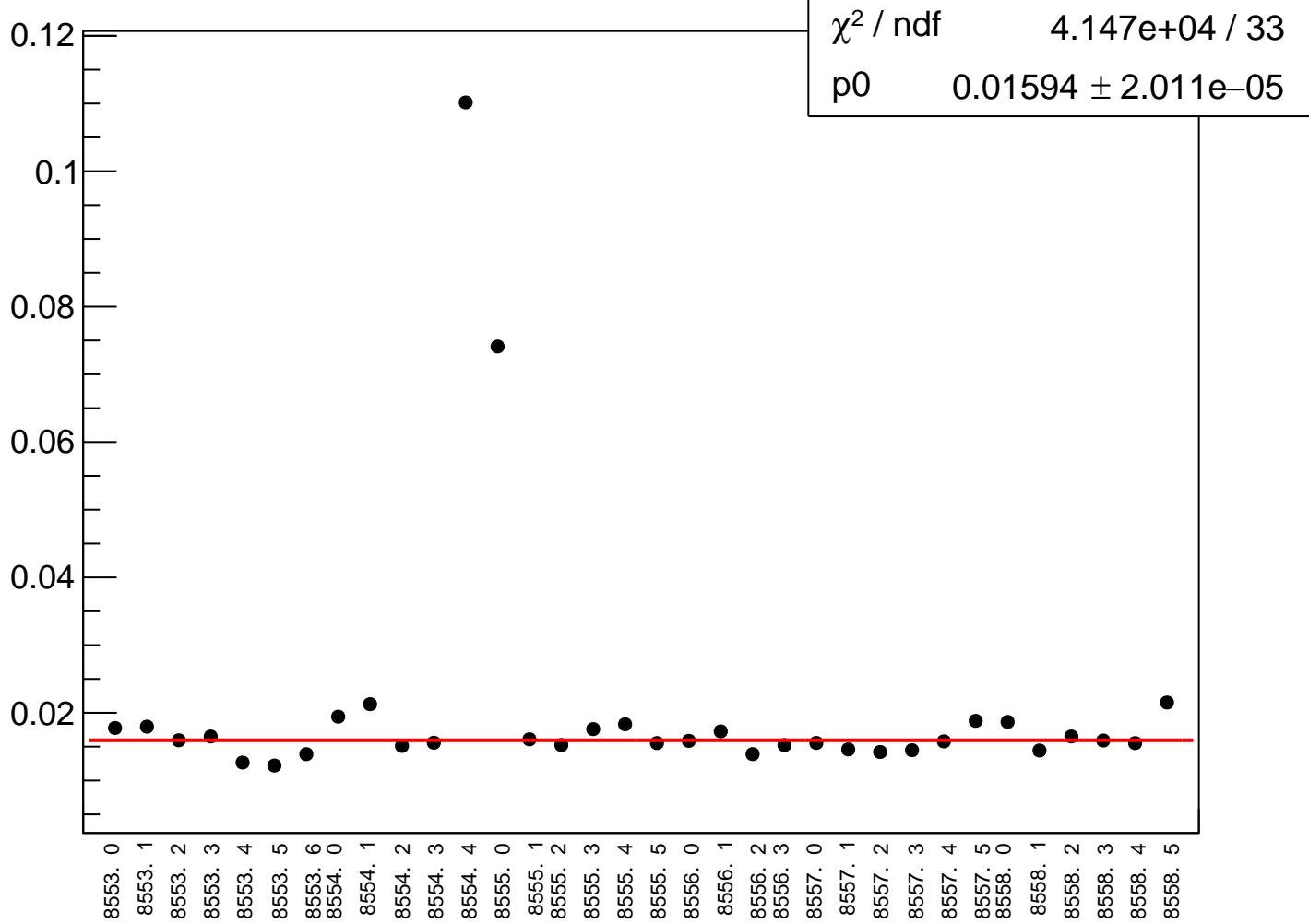
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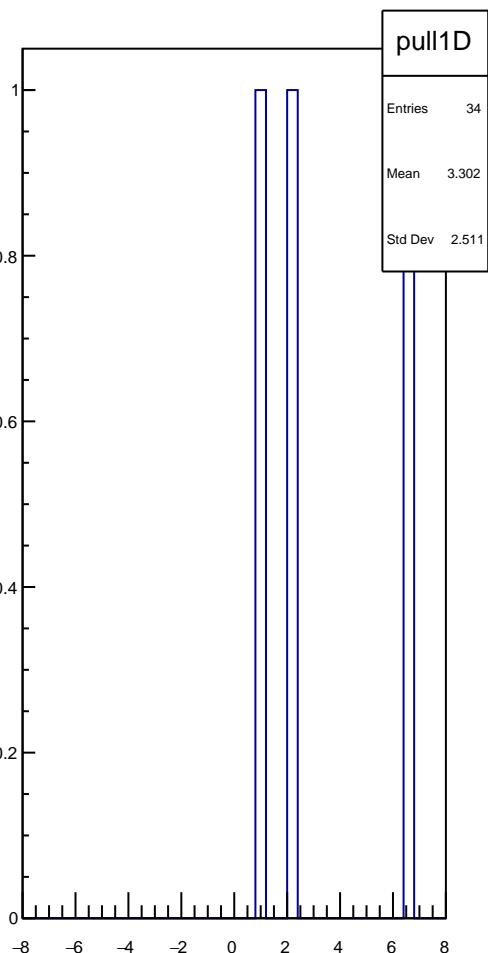
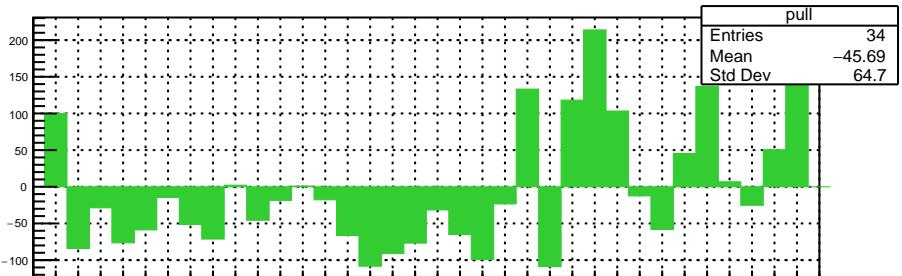
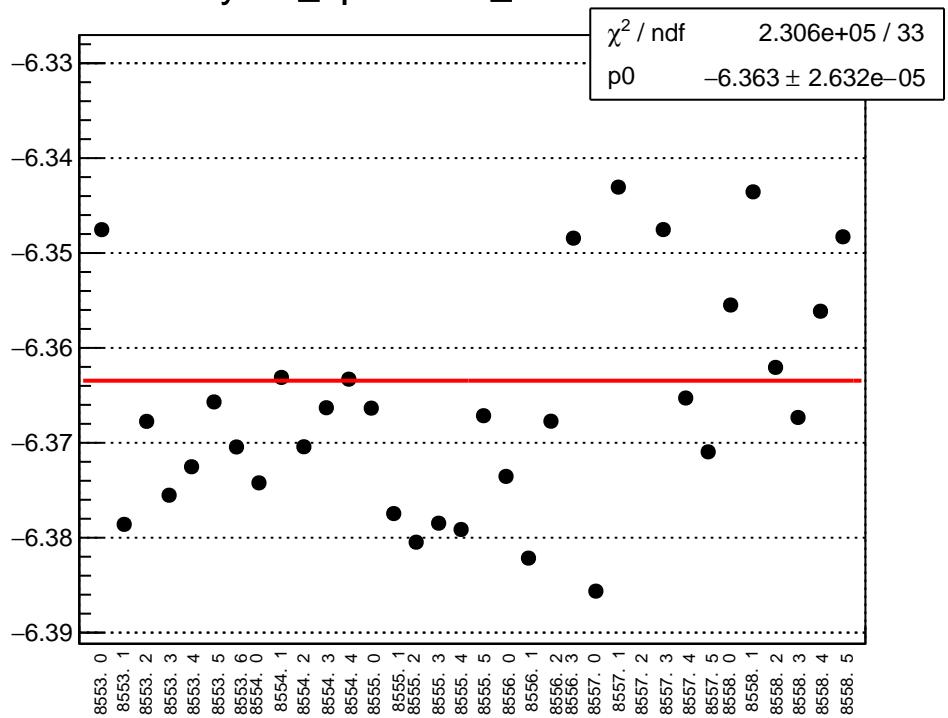
yield_bpm0I01X_mean vs run



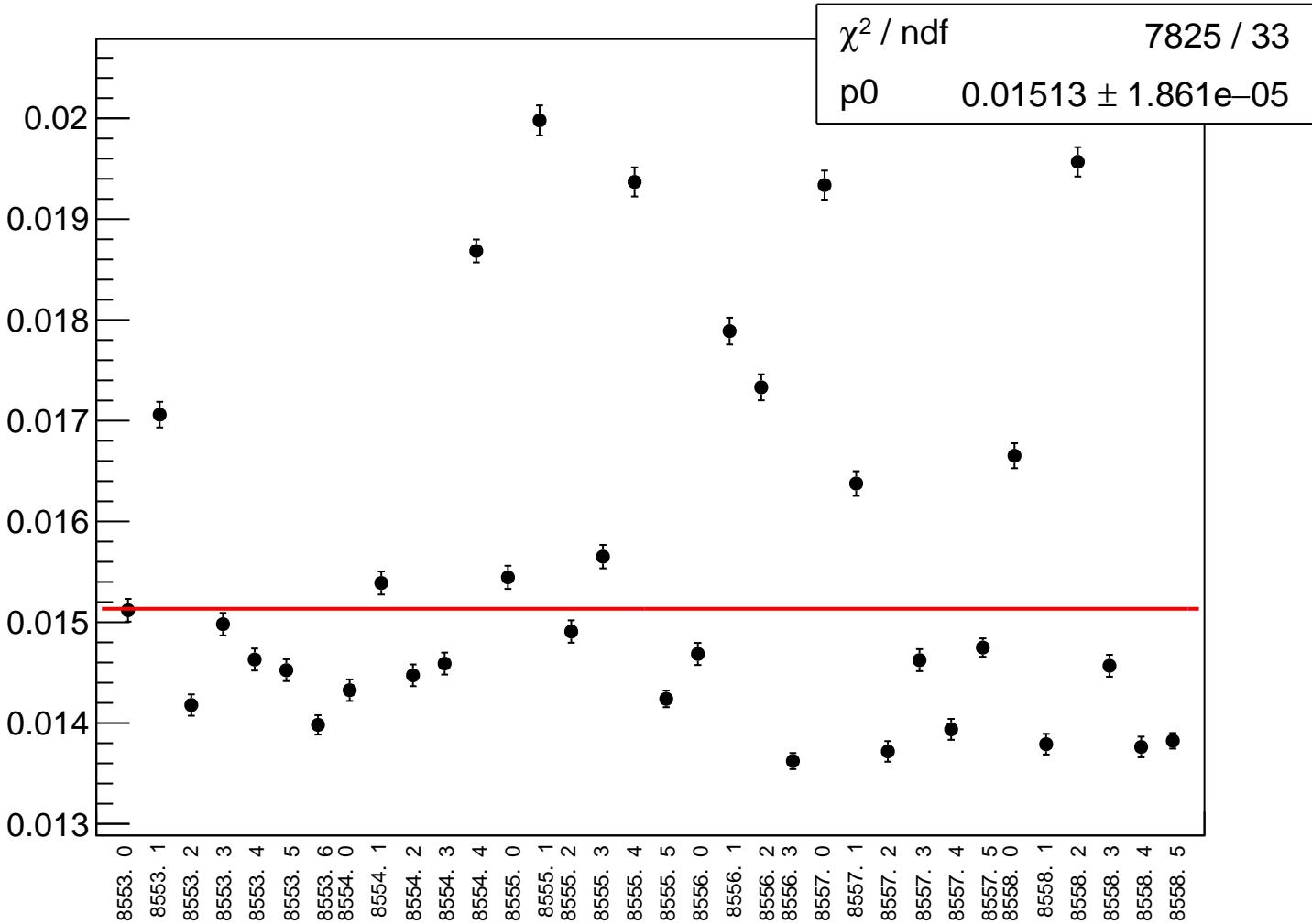
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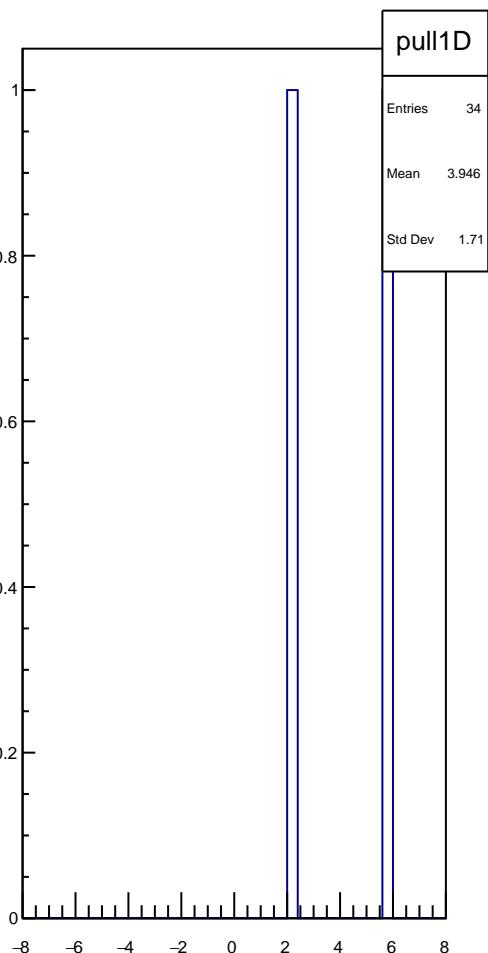
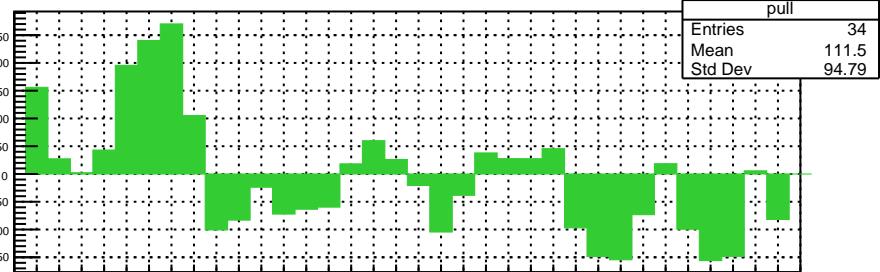
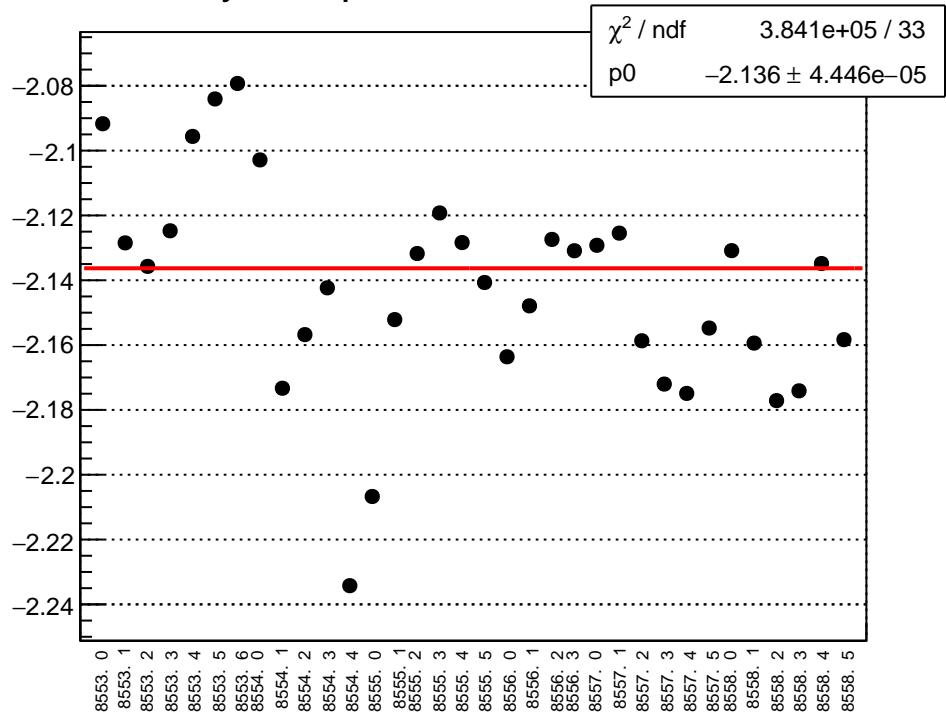
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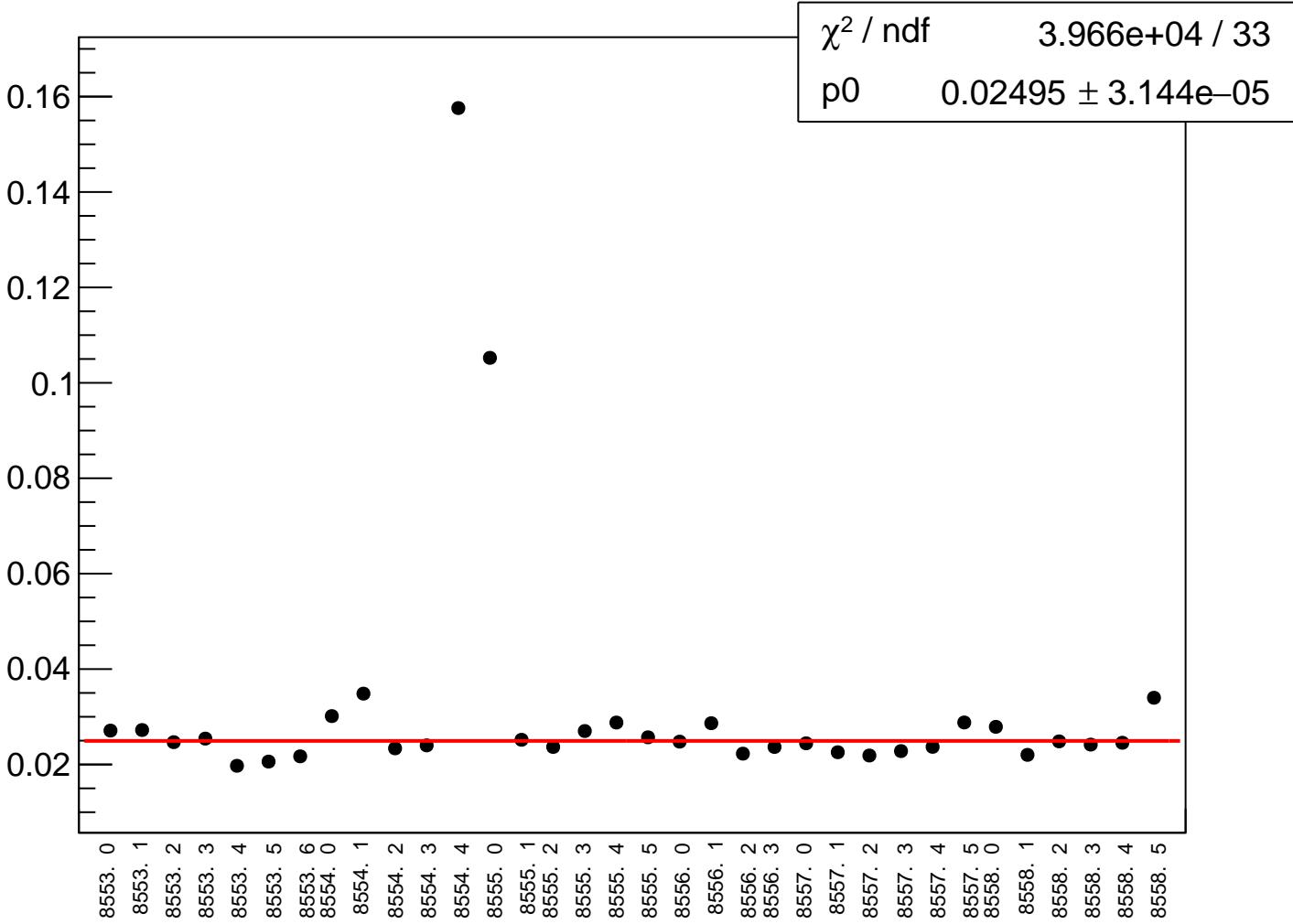
yield_bpm0l01Y_rms vs run



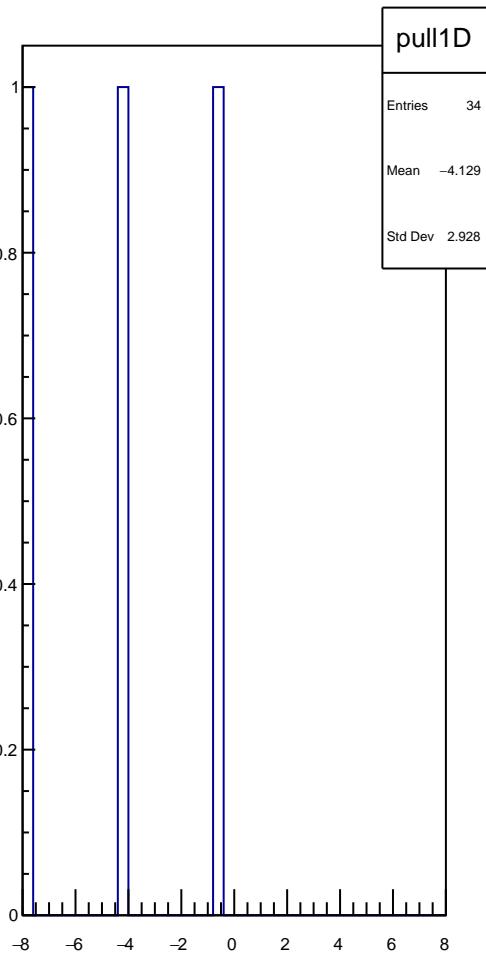
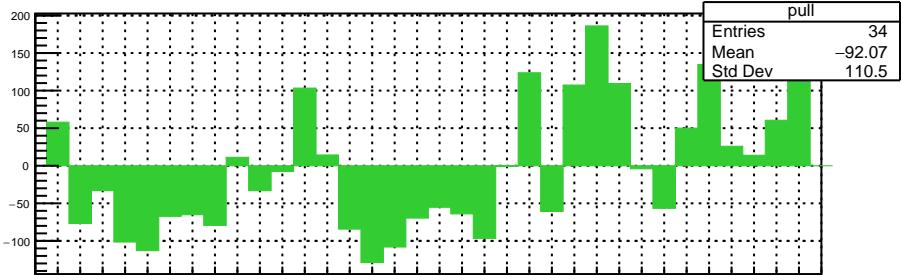
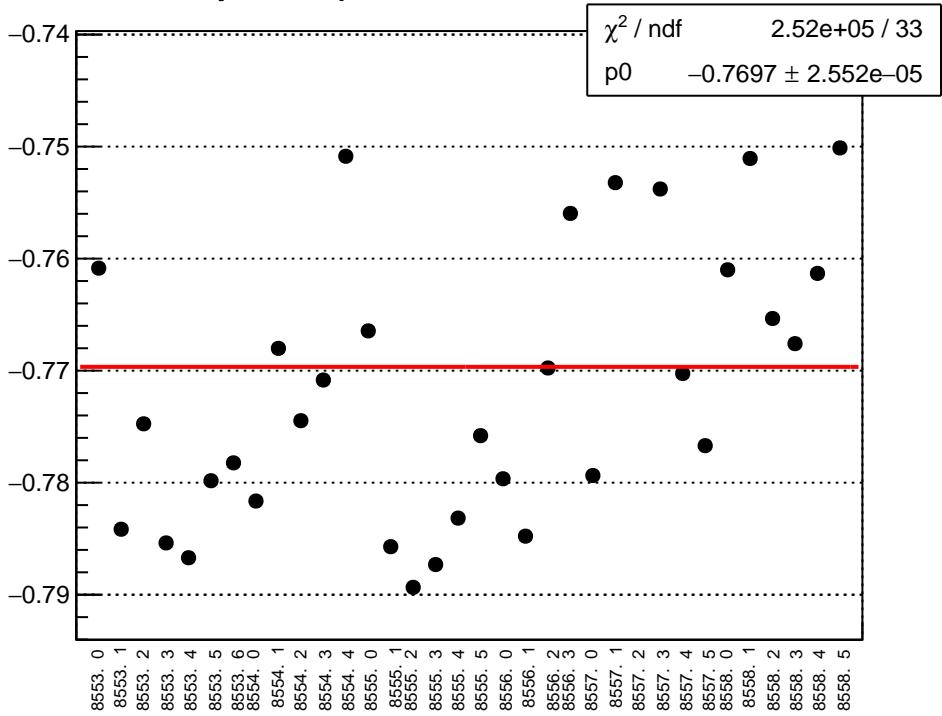
yield_bpm0l02X_mean vs run



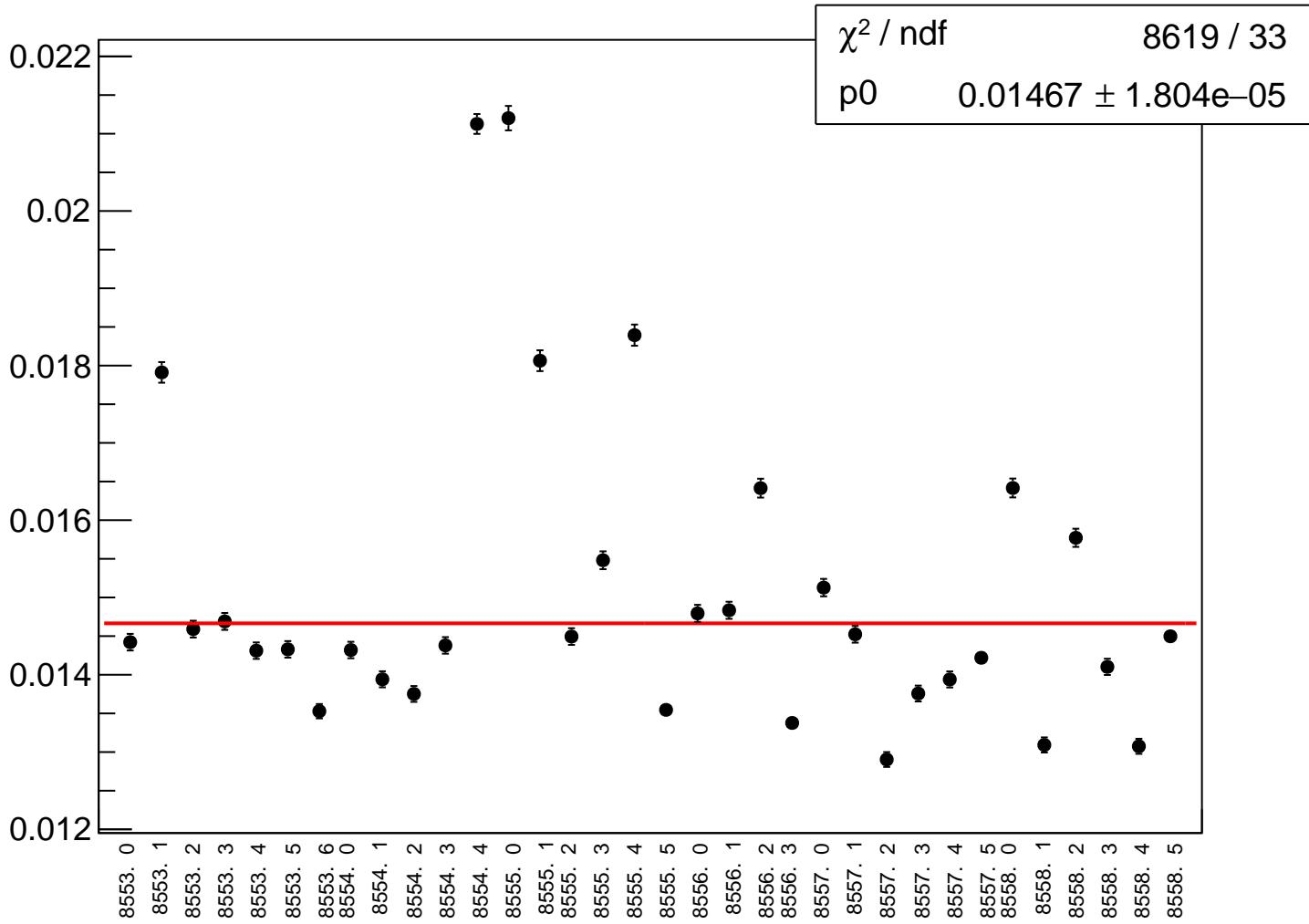
yield_bpm0l02X_rms vs run



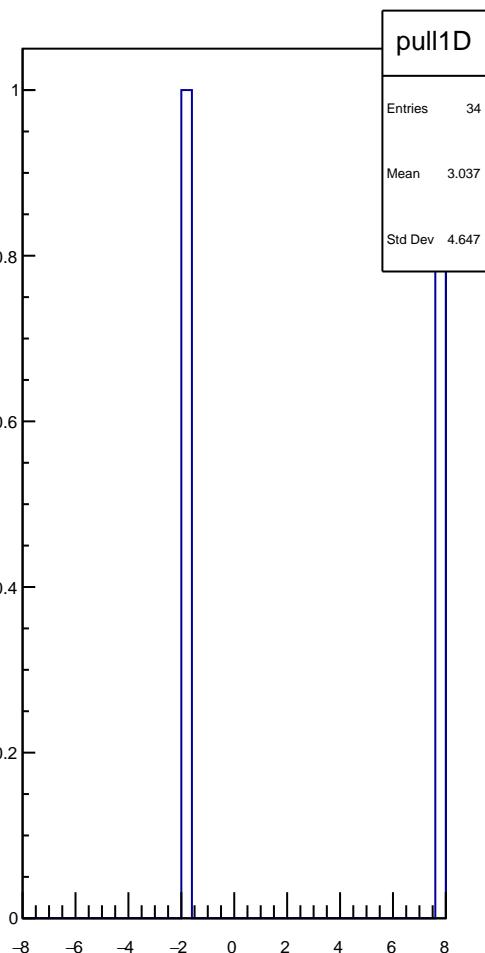
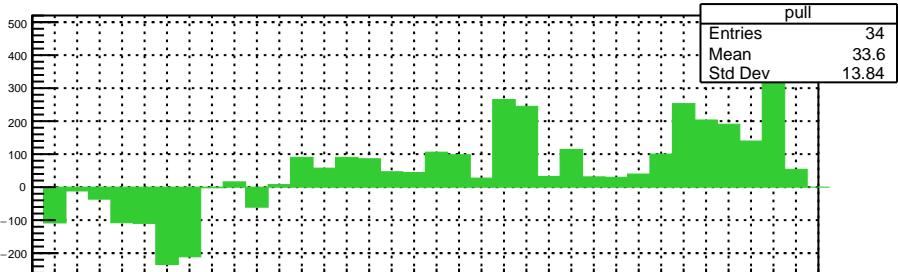
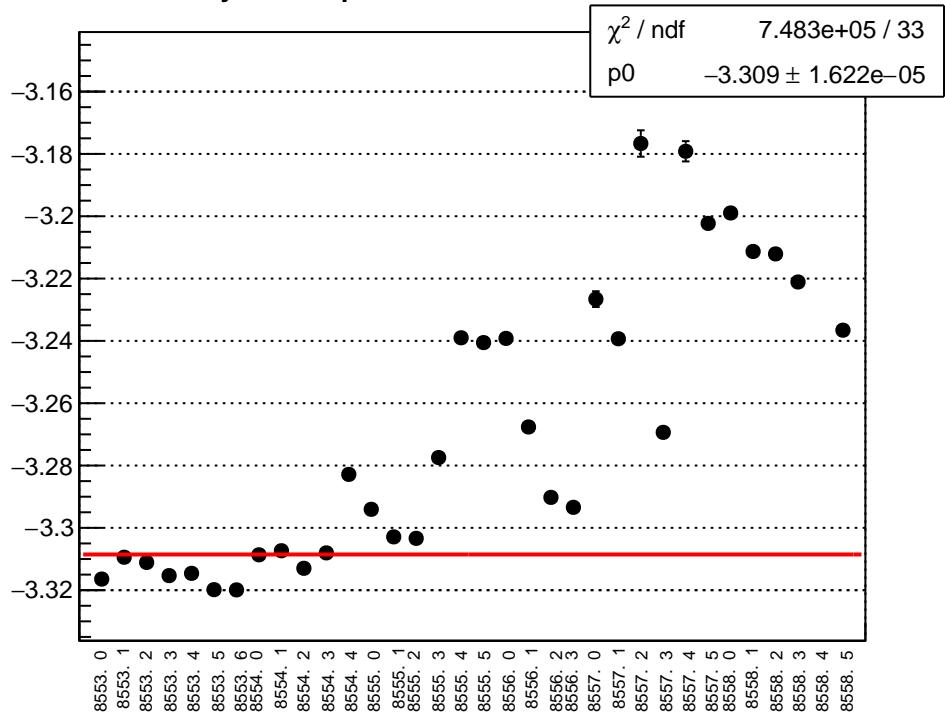
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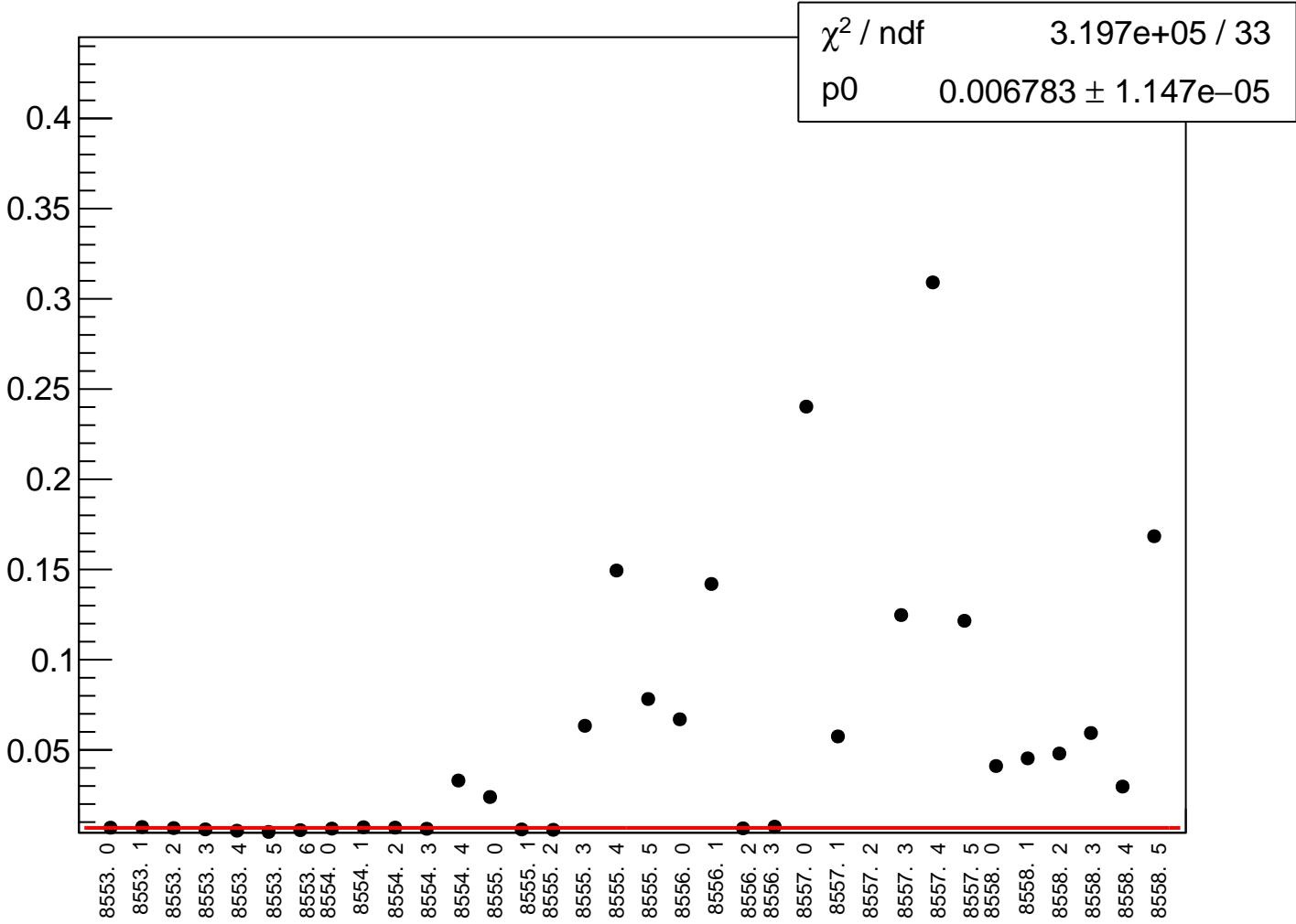
yield_bpm0l02Y_rms vs run



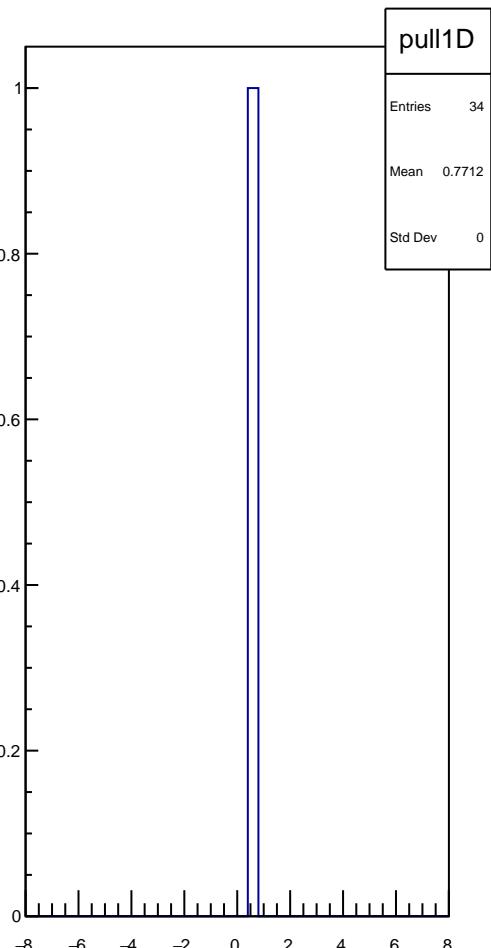
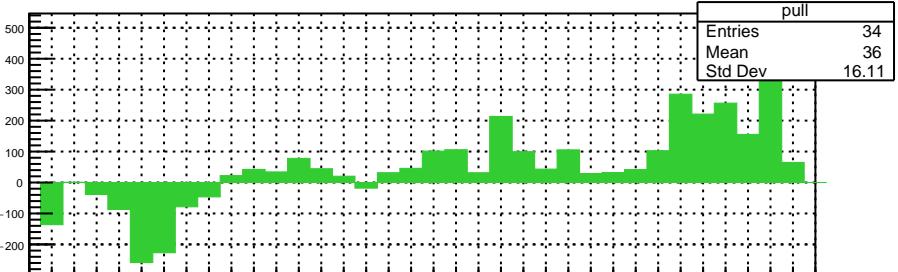
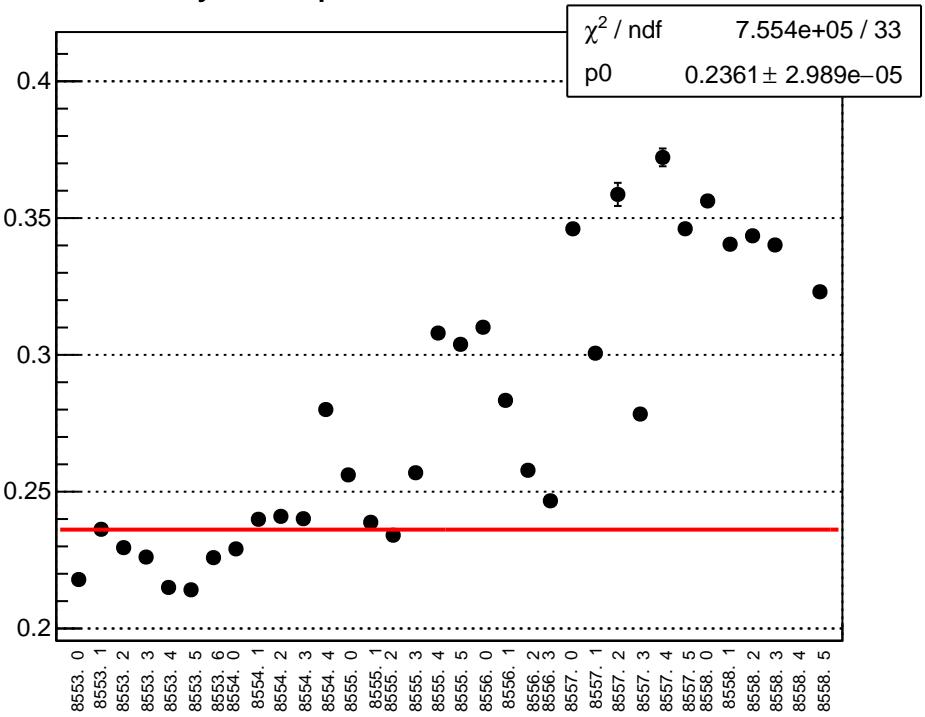
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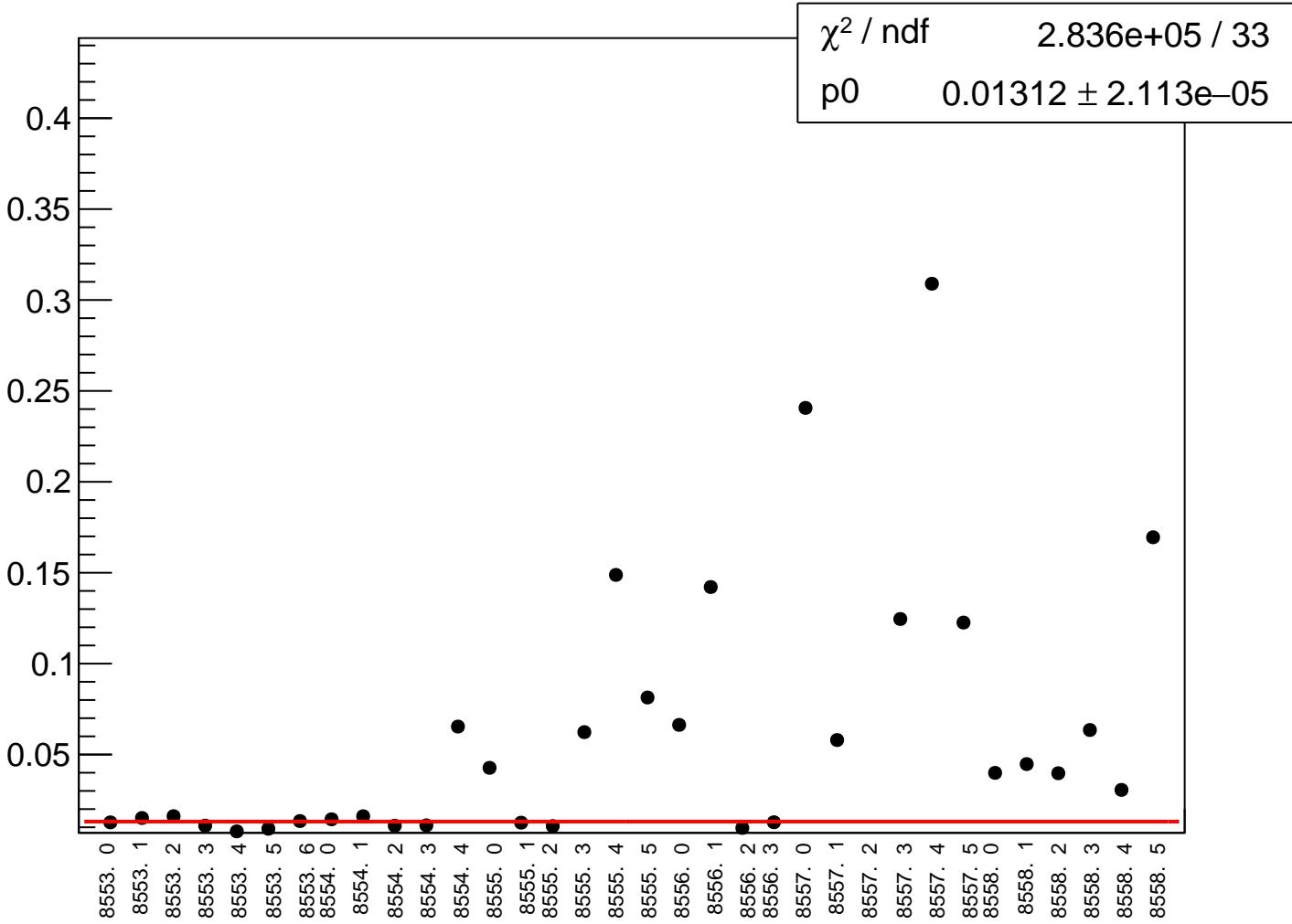
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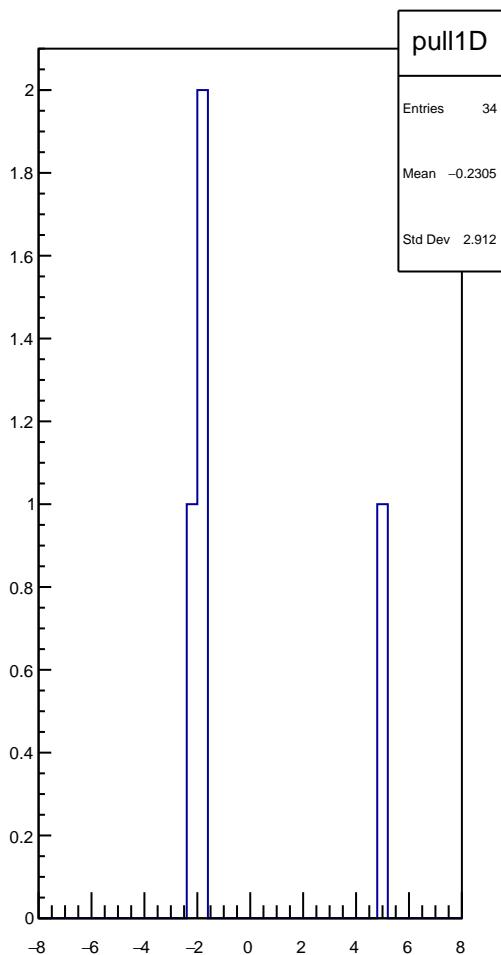
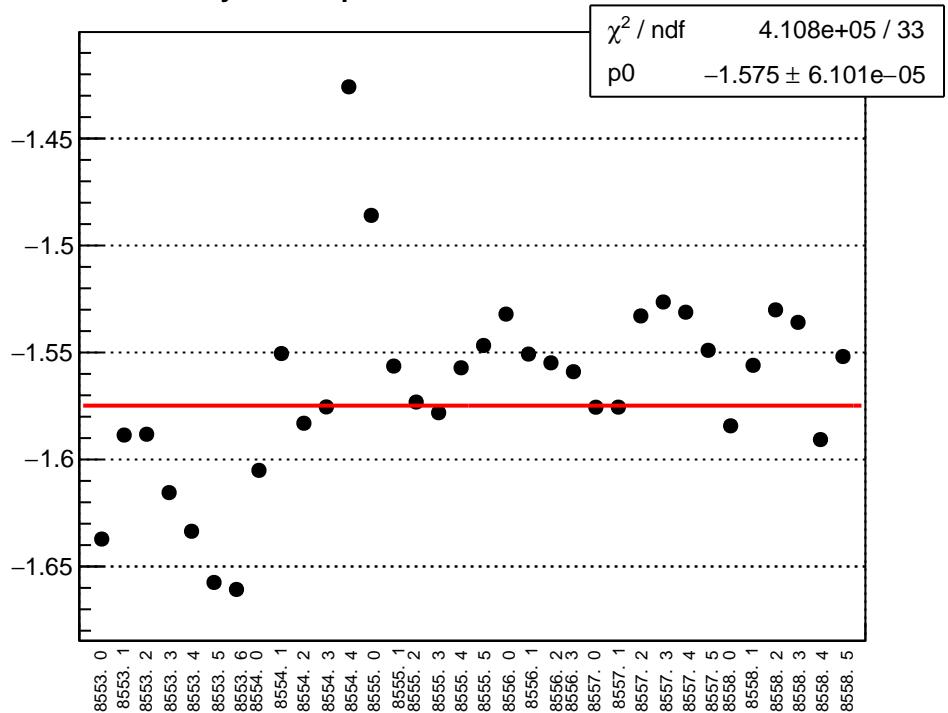
yield_bpm0I03Y_mean vs run



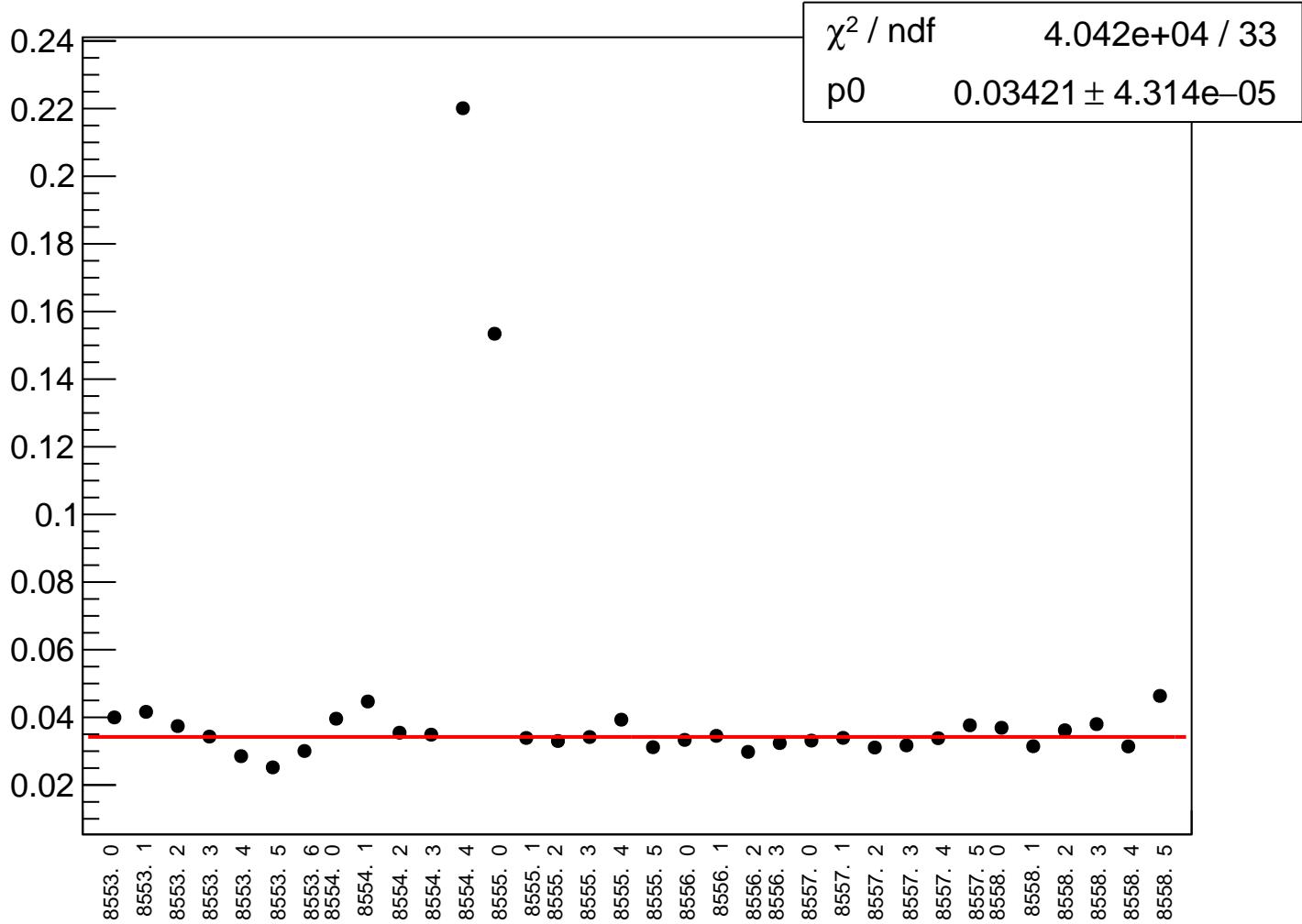
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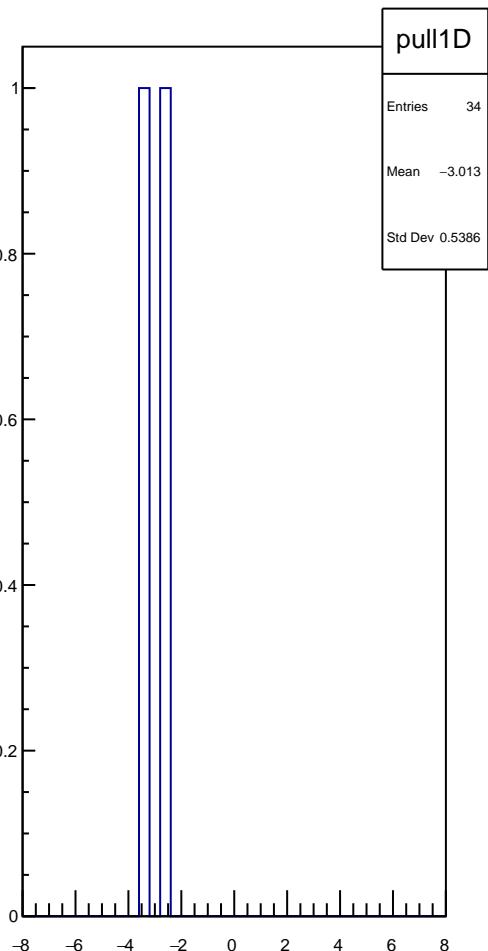
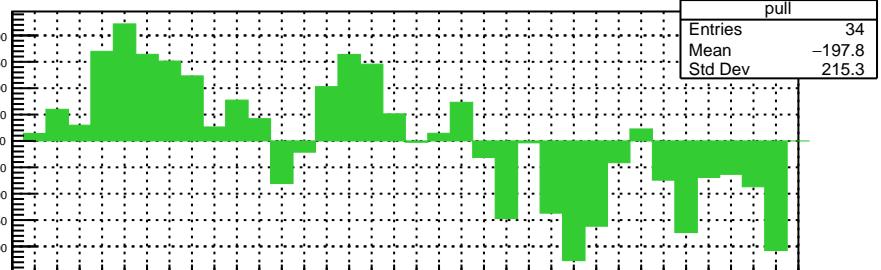
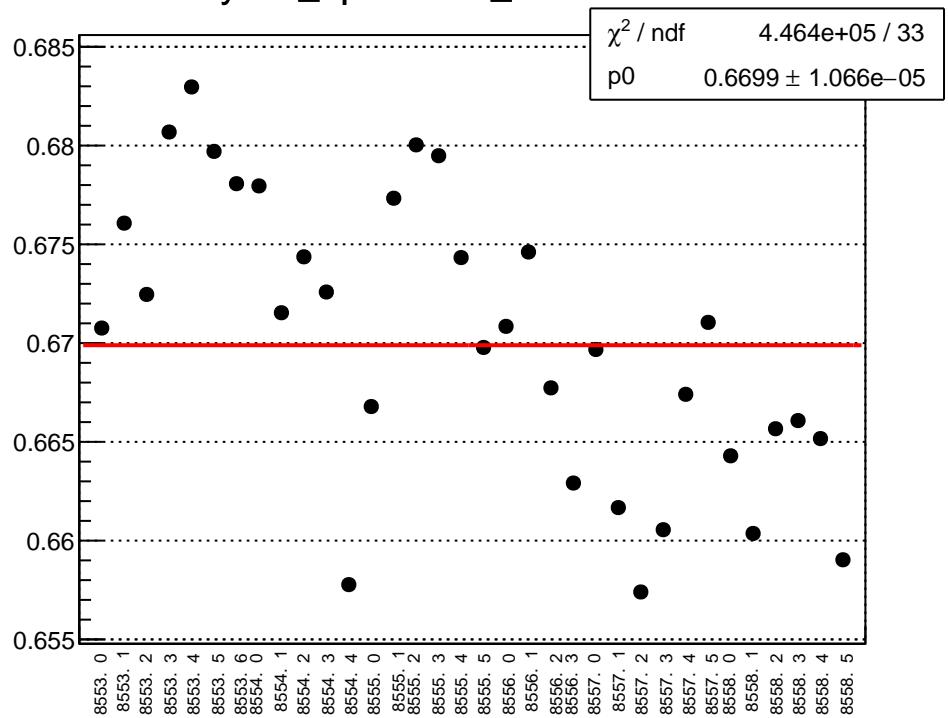
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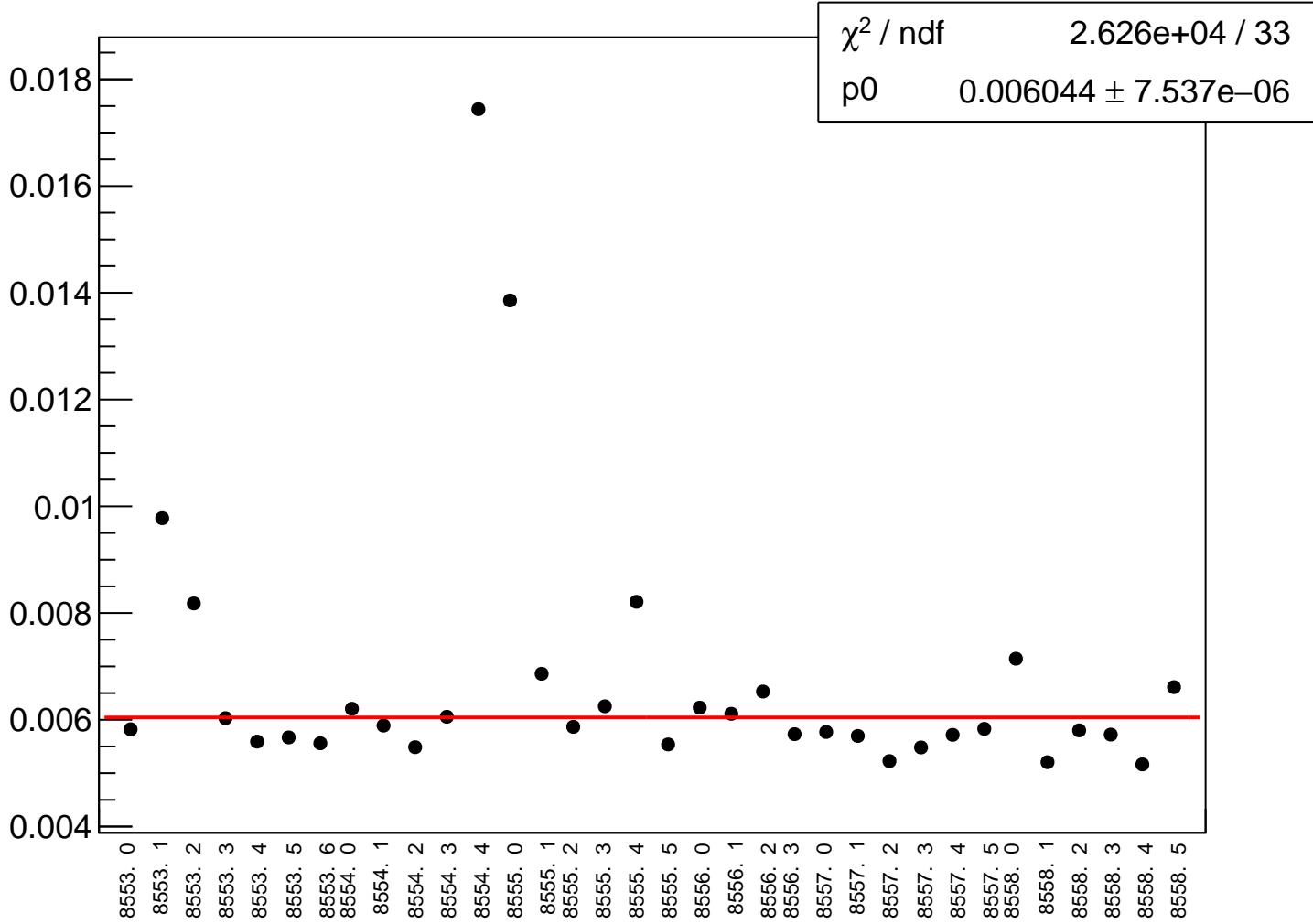
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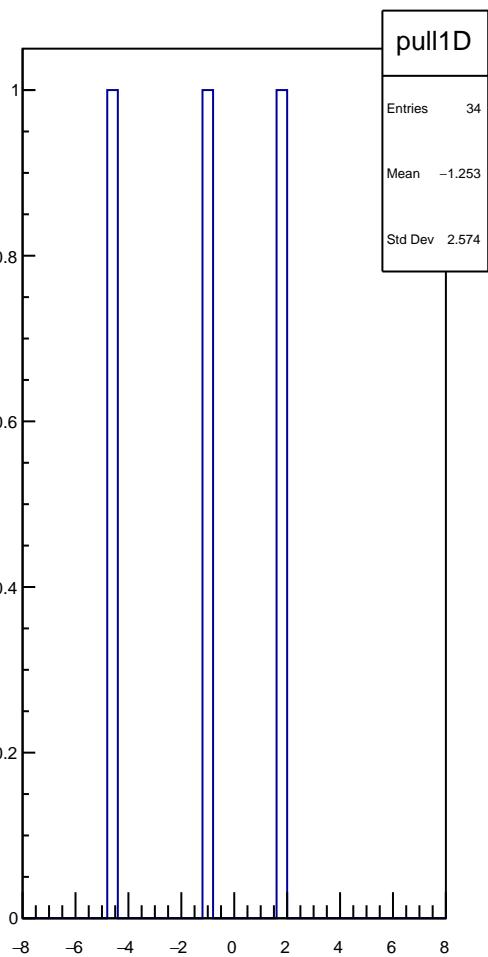
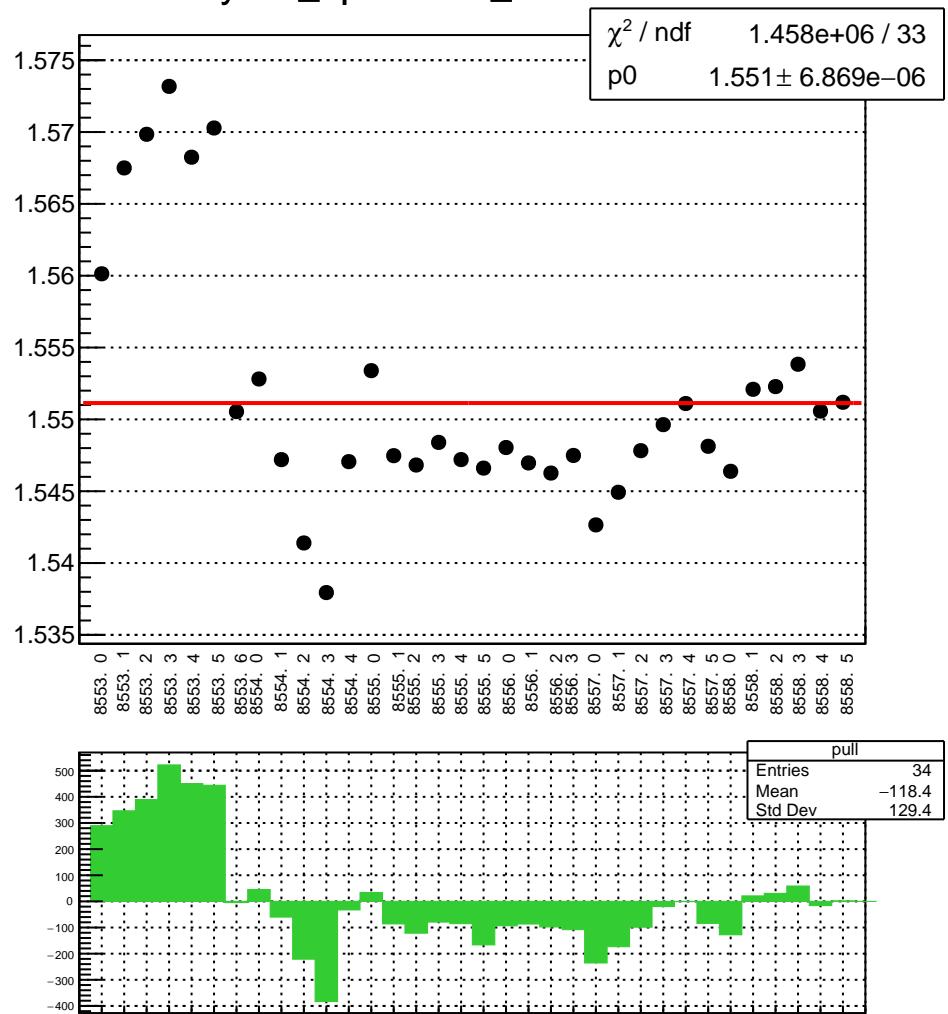
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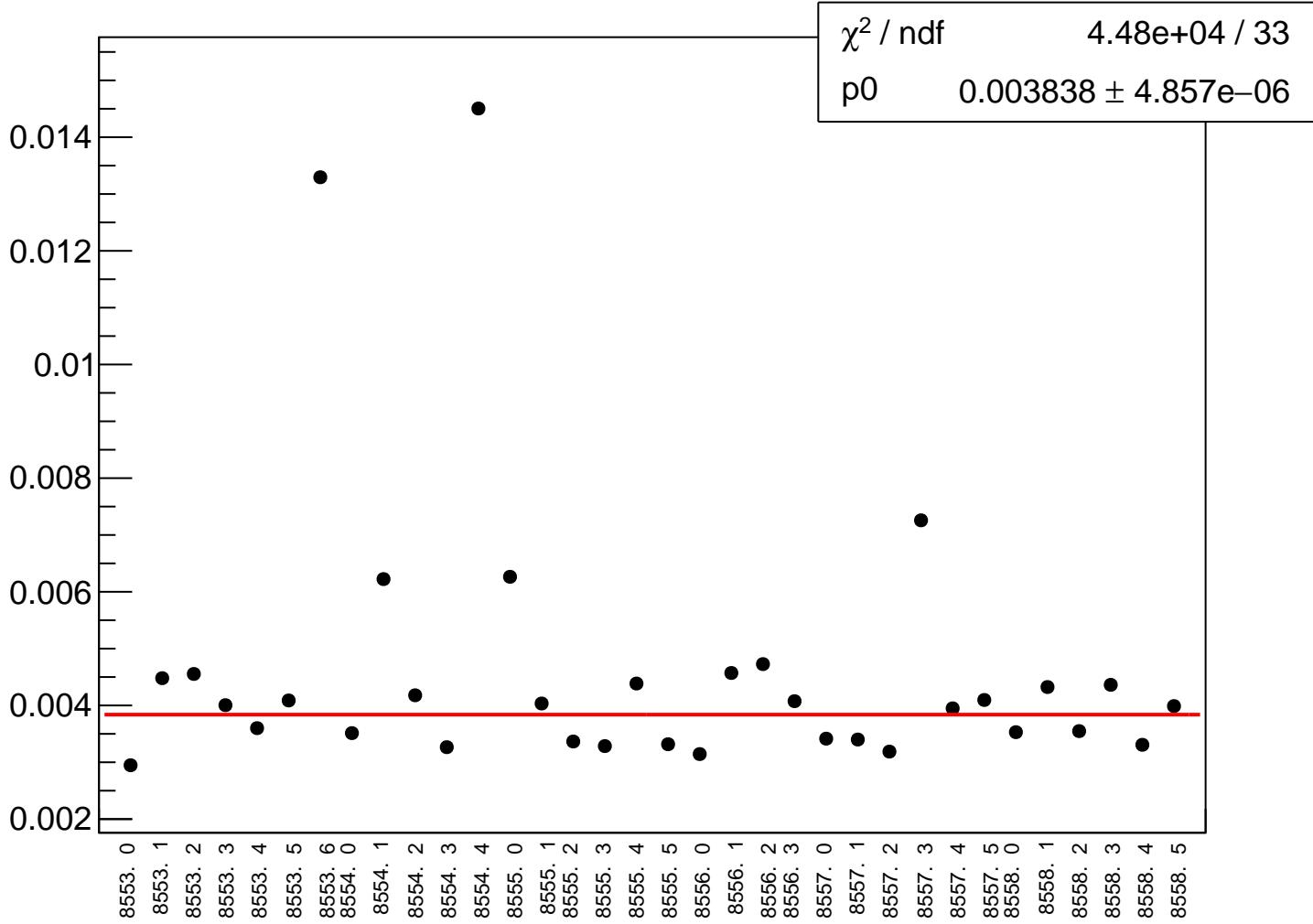
yield_bpm0l04Y_rms vs run



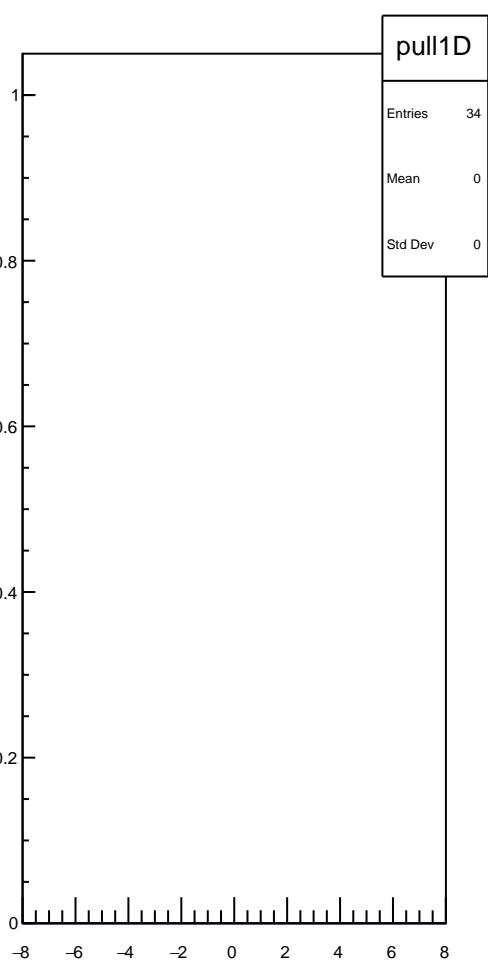
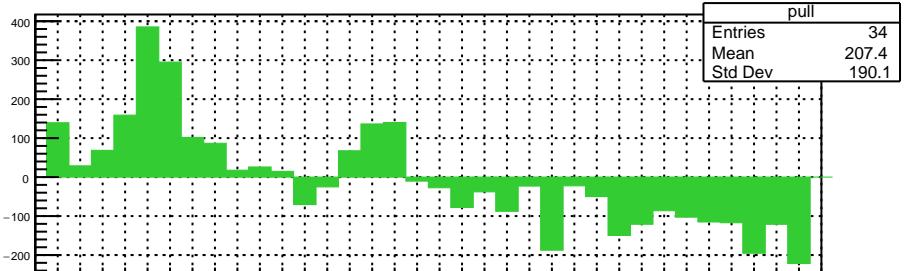
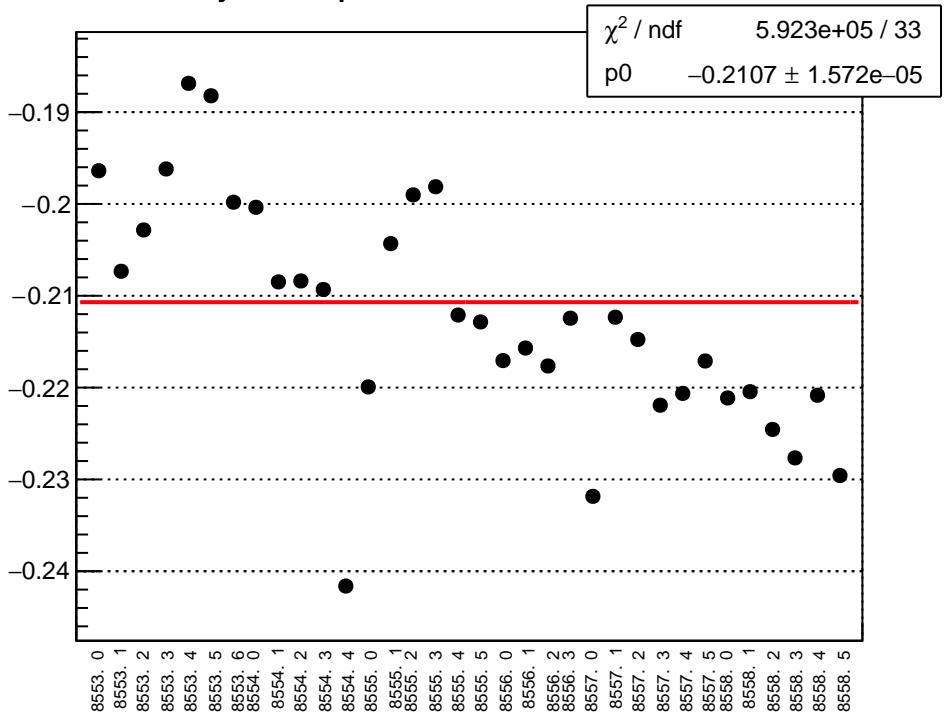
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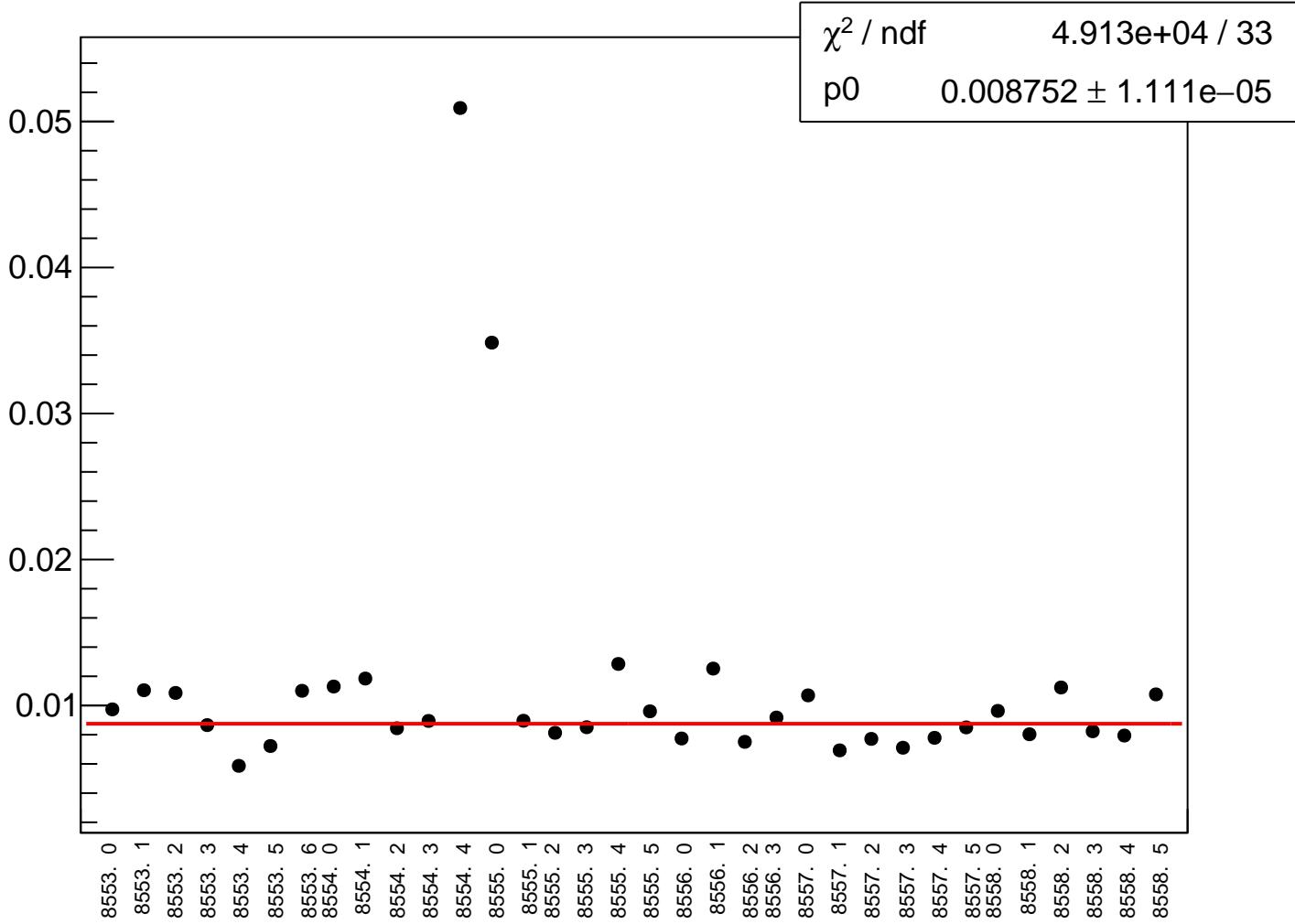
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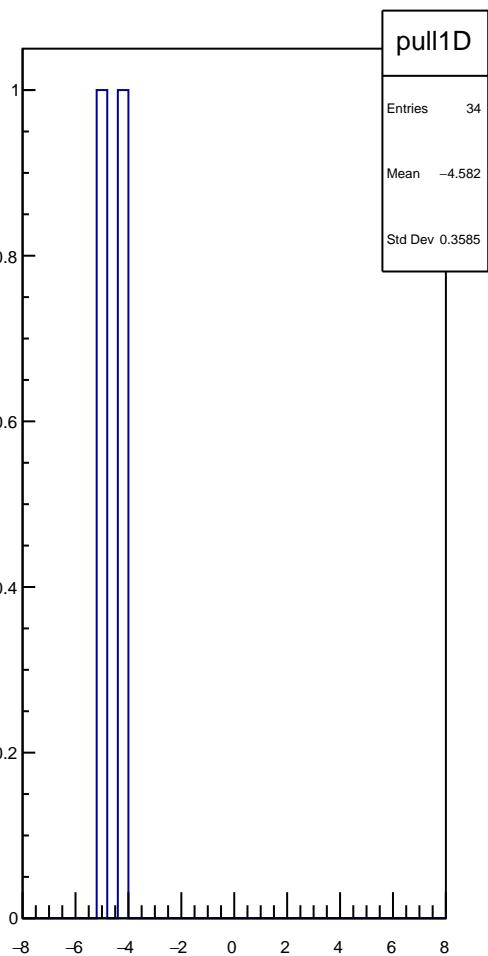
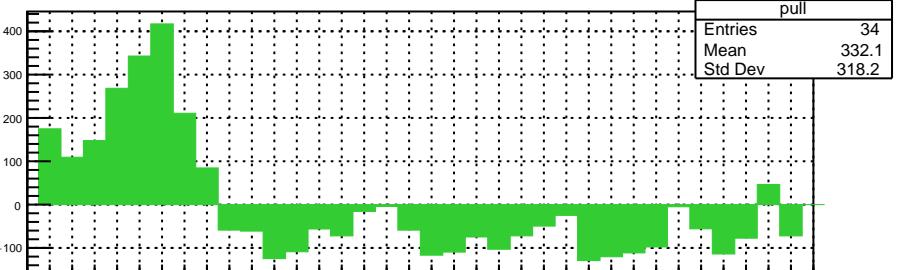
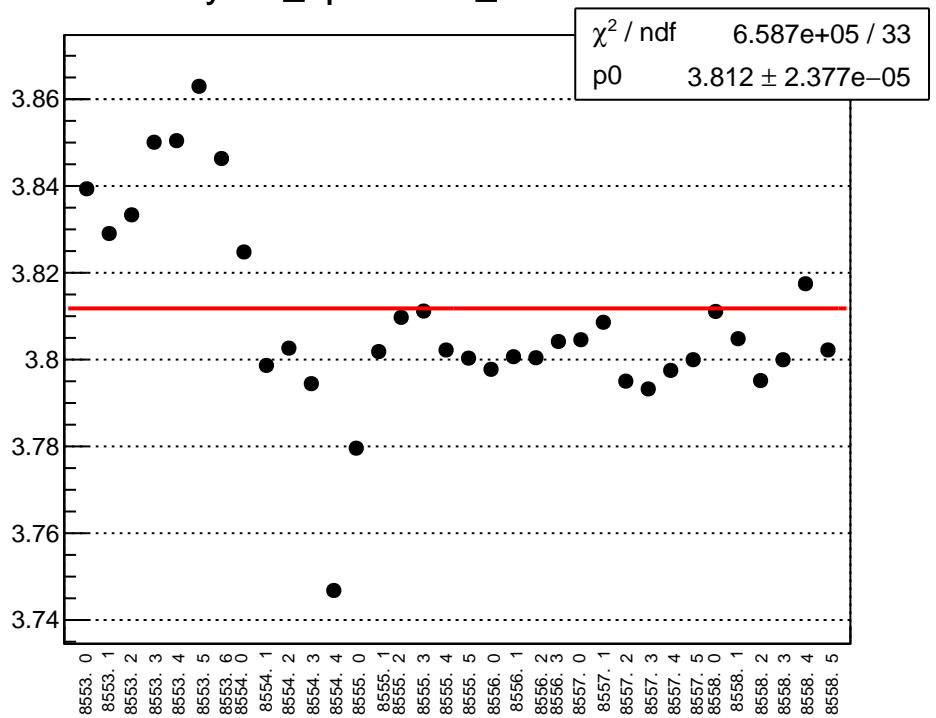
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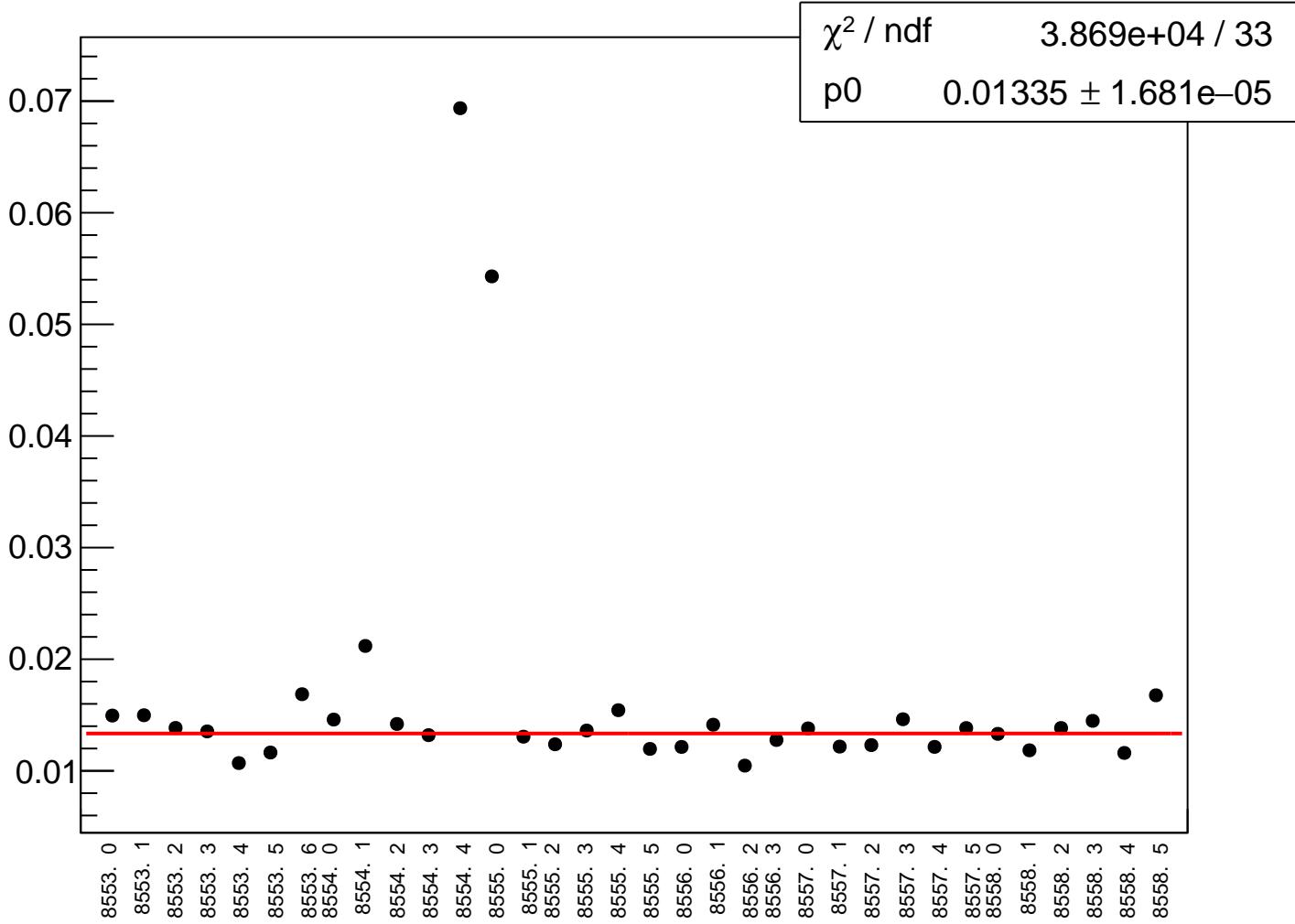
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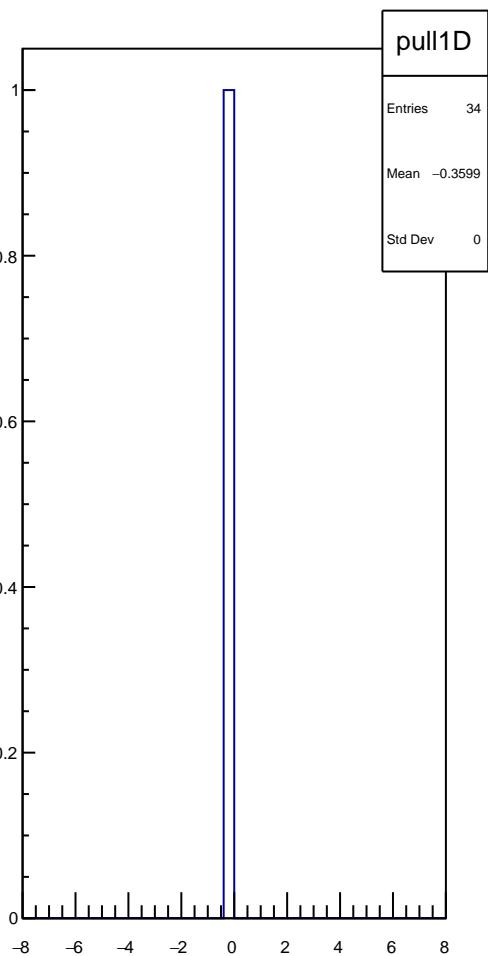
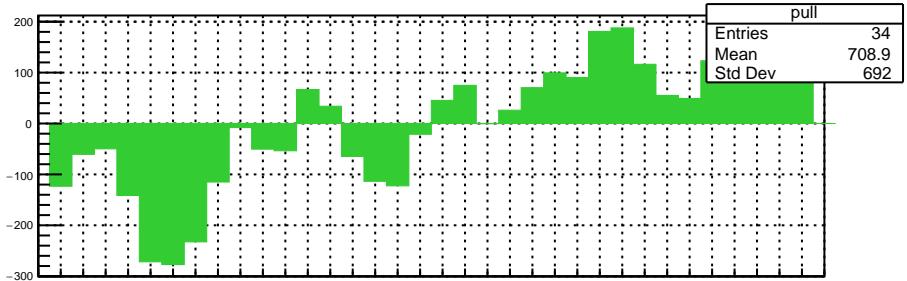
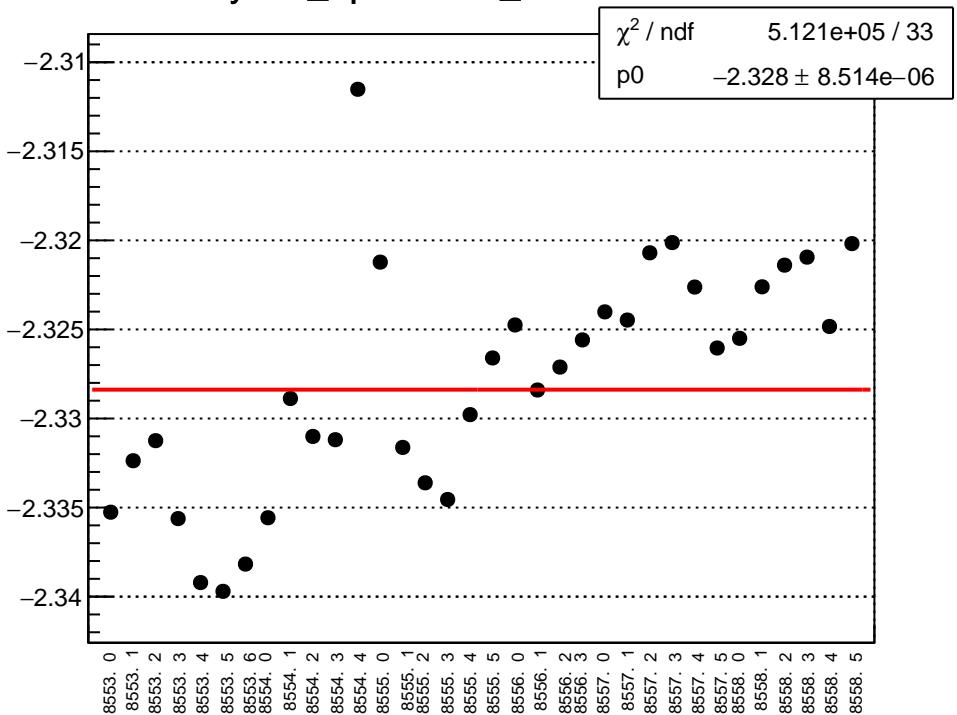
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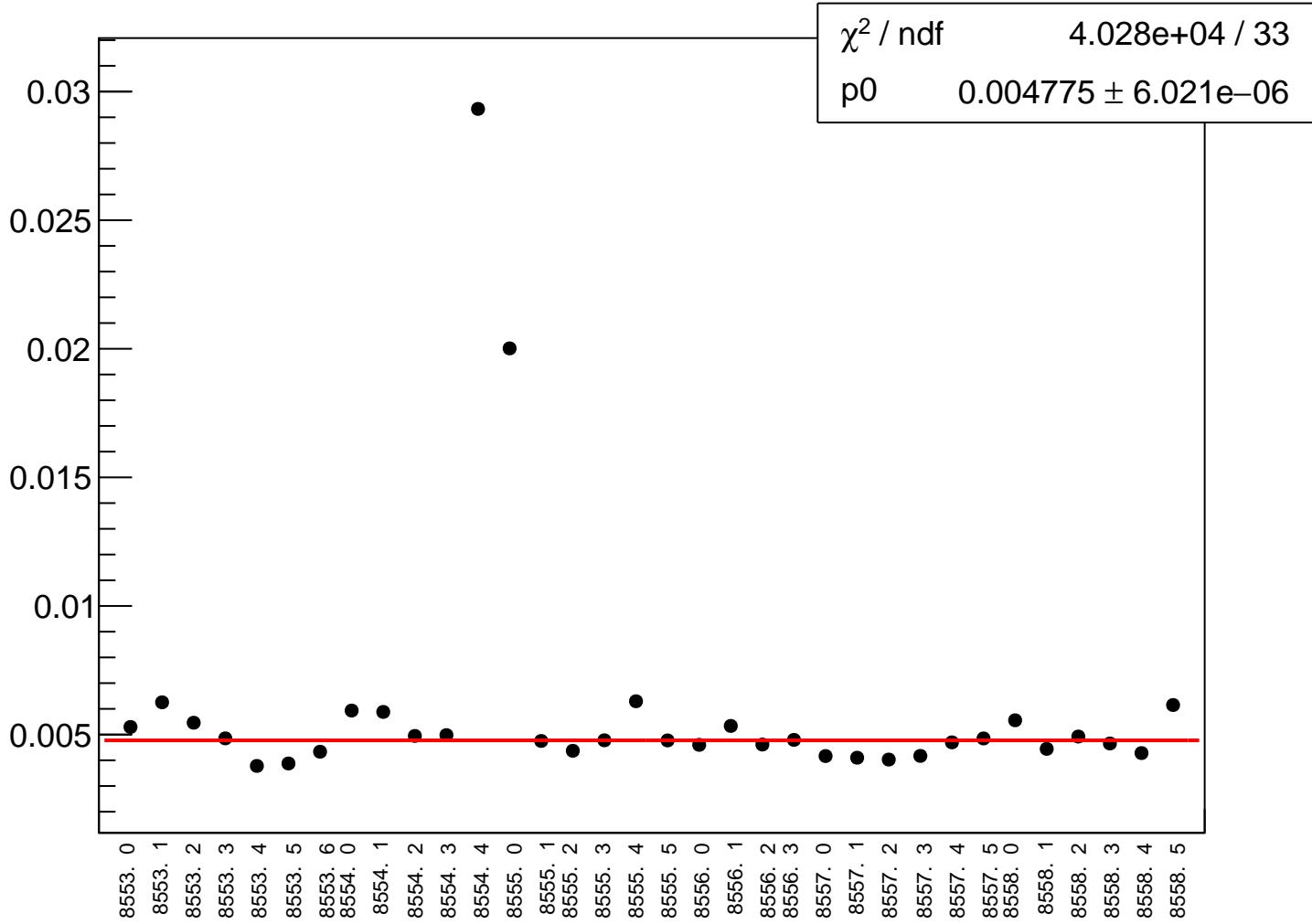
yield_bpm0l06X_rms vs run



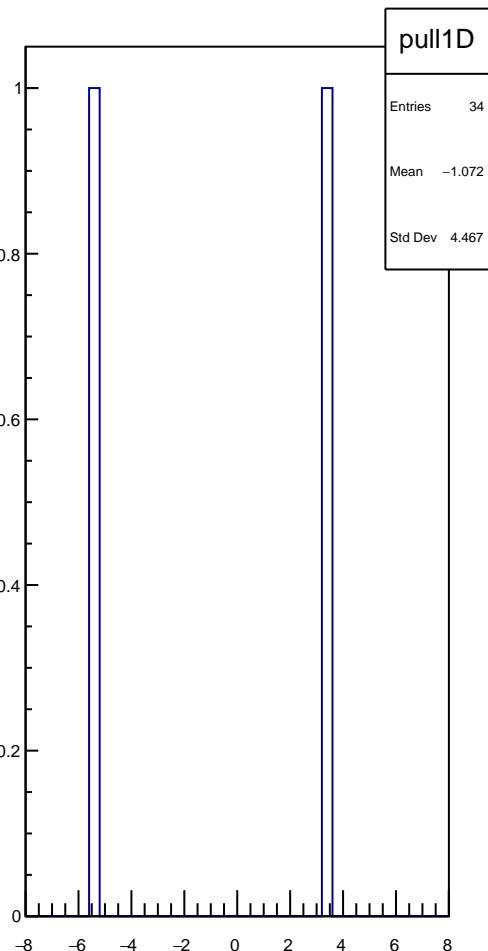
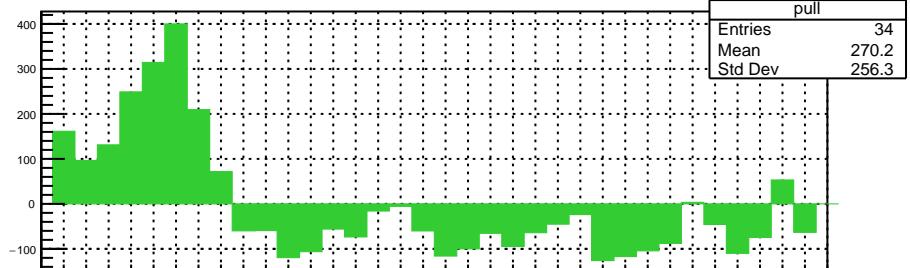
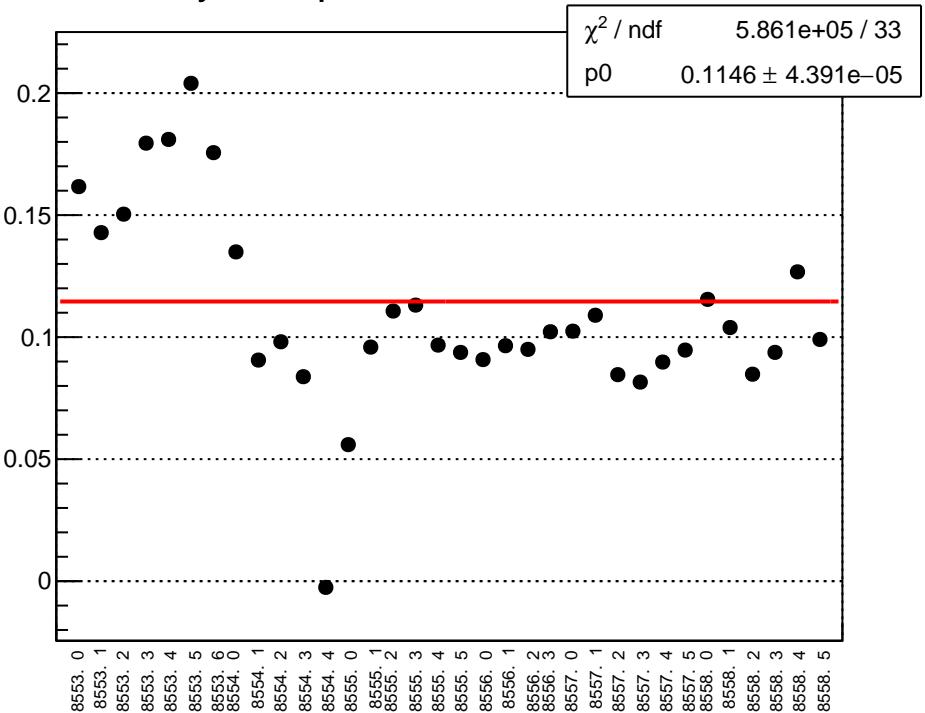
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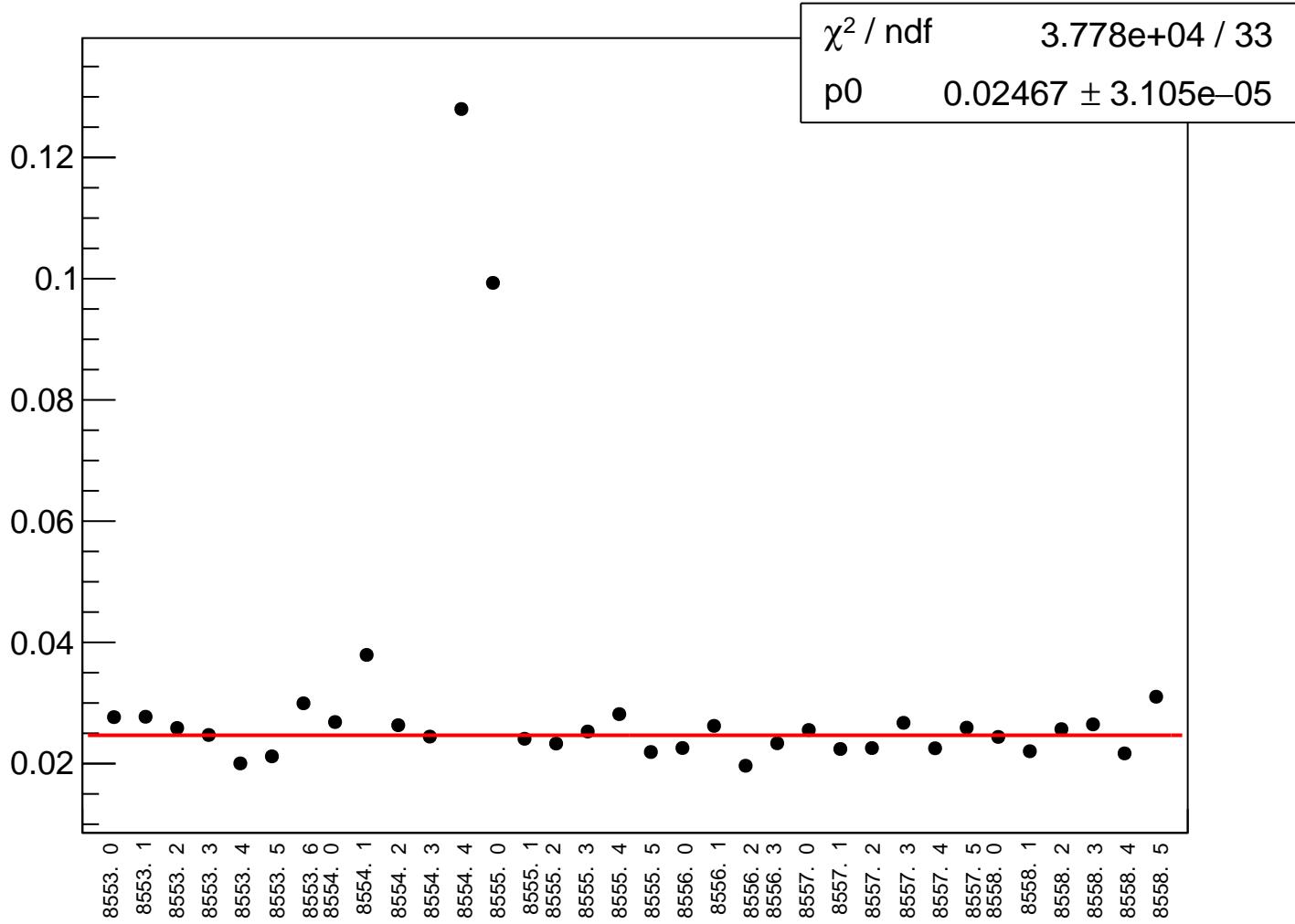
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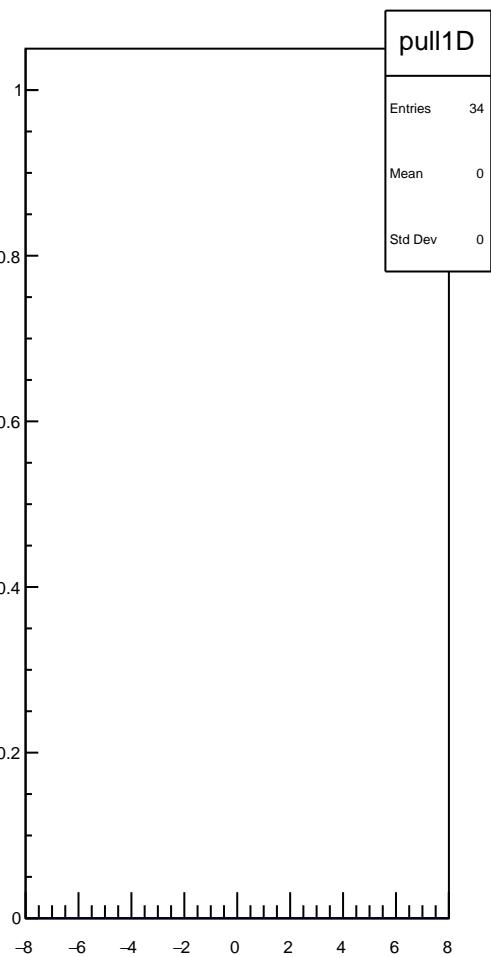
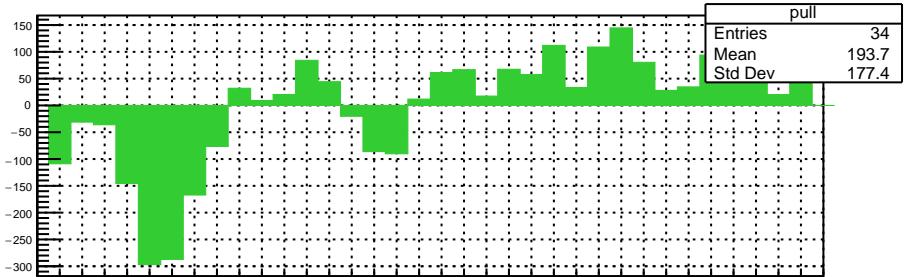
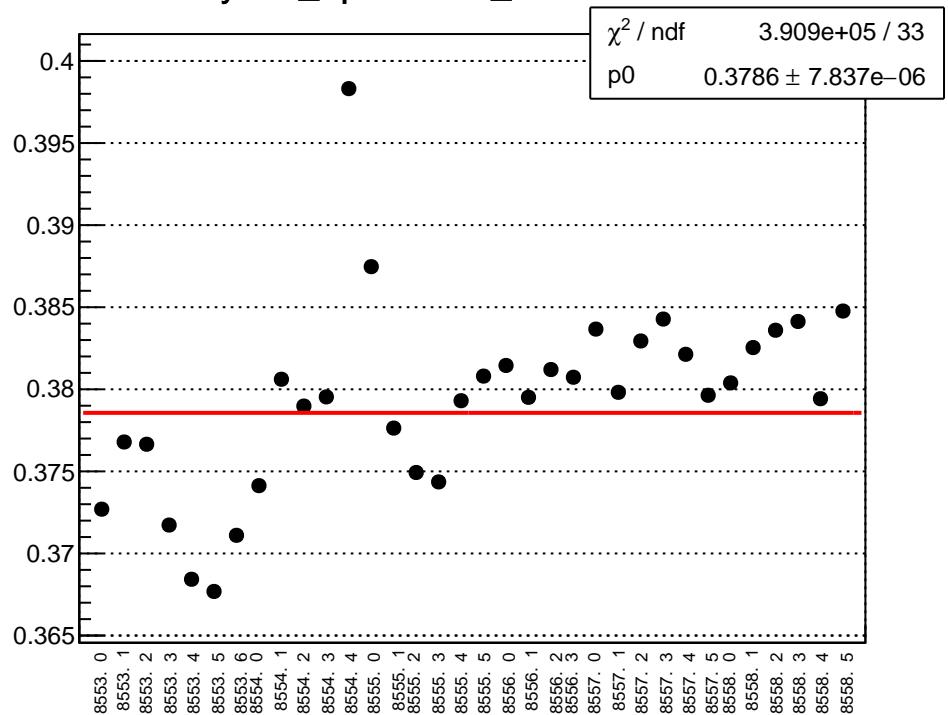
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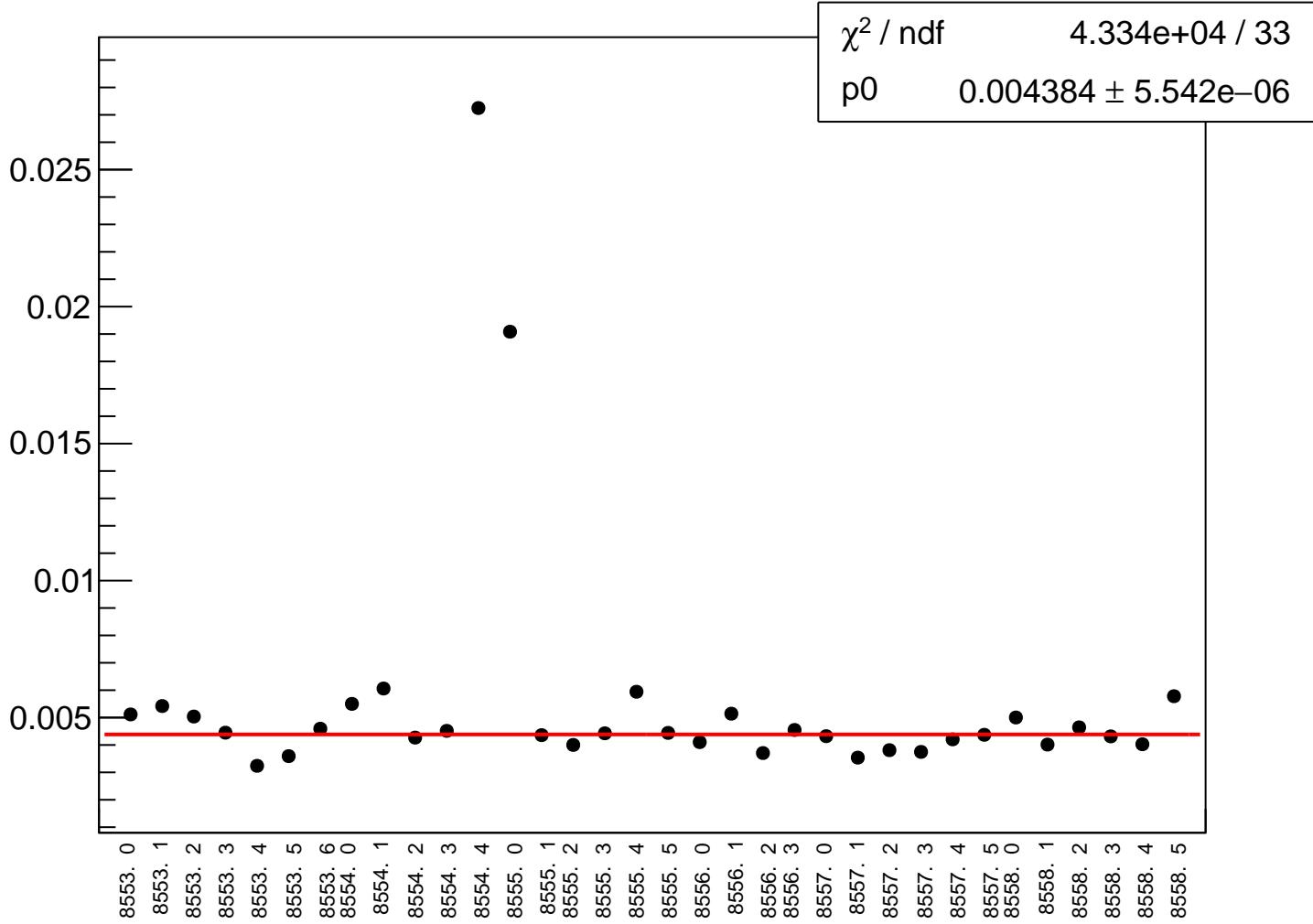
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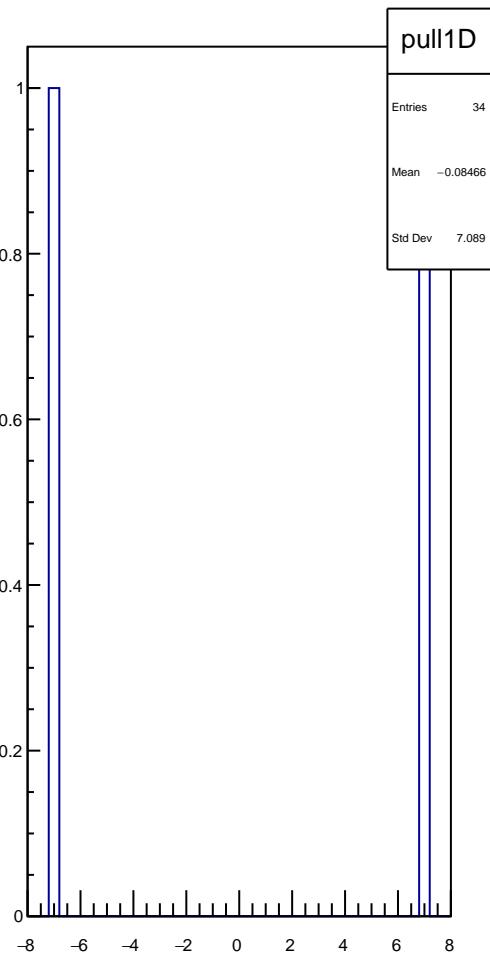
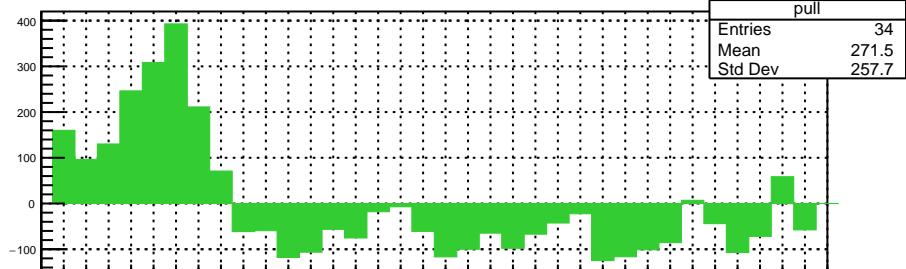
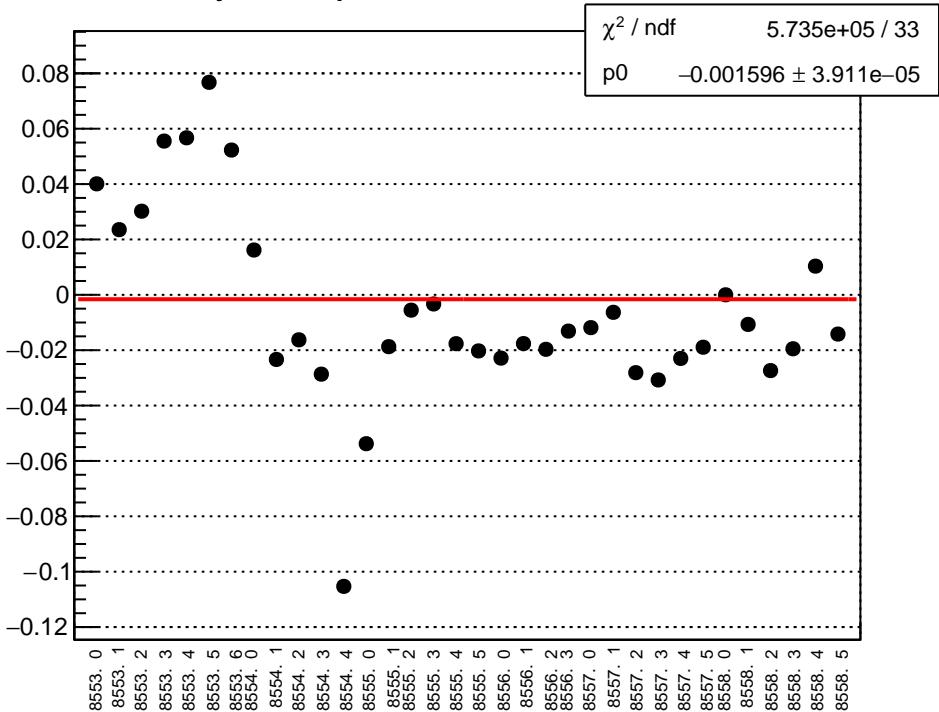
yield_bpm0I07Y_mean vs run



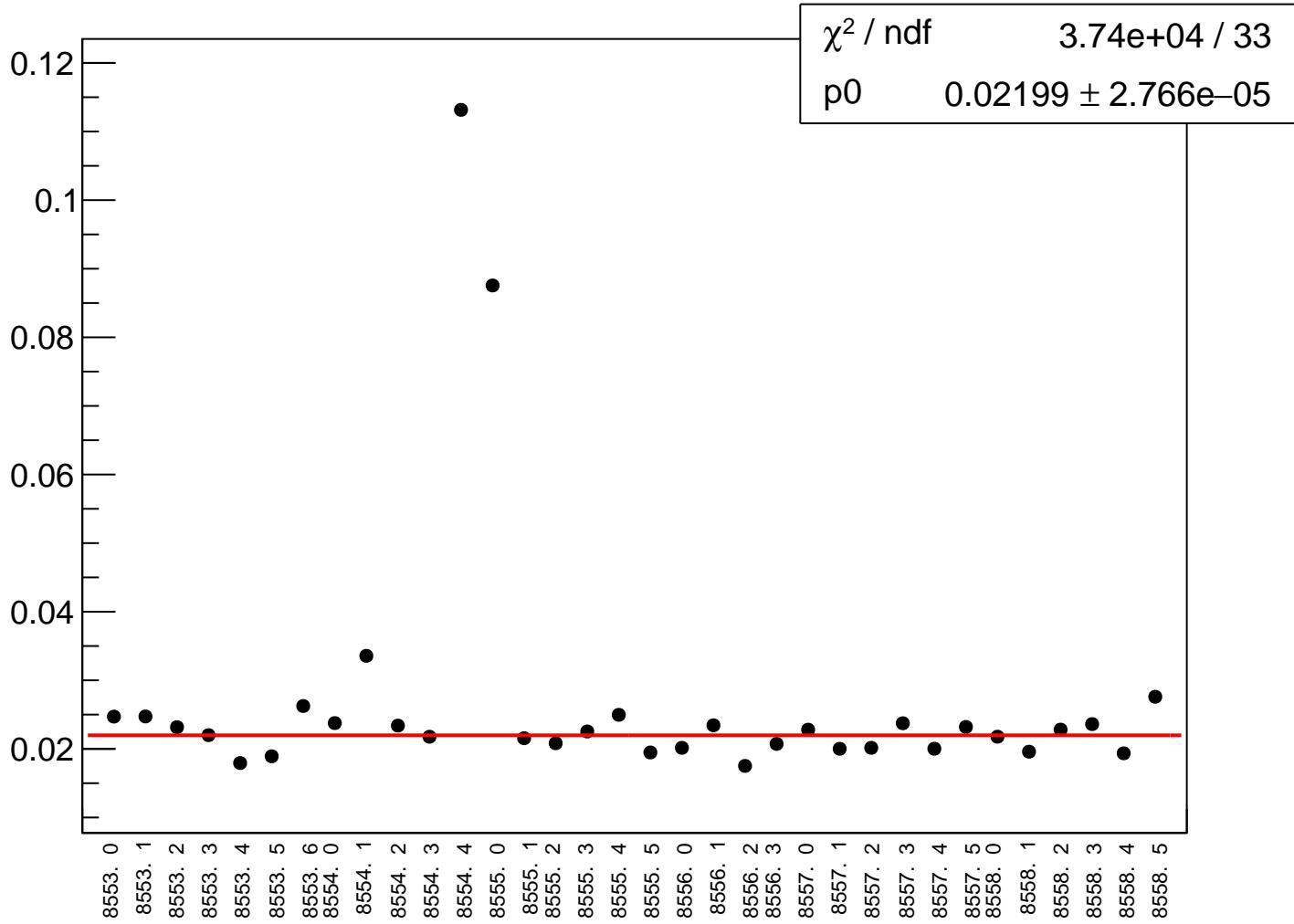
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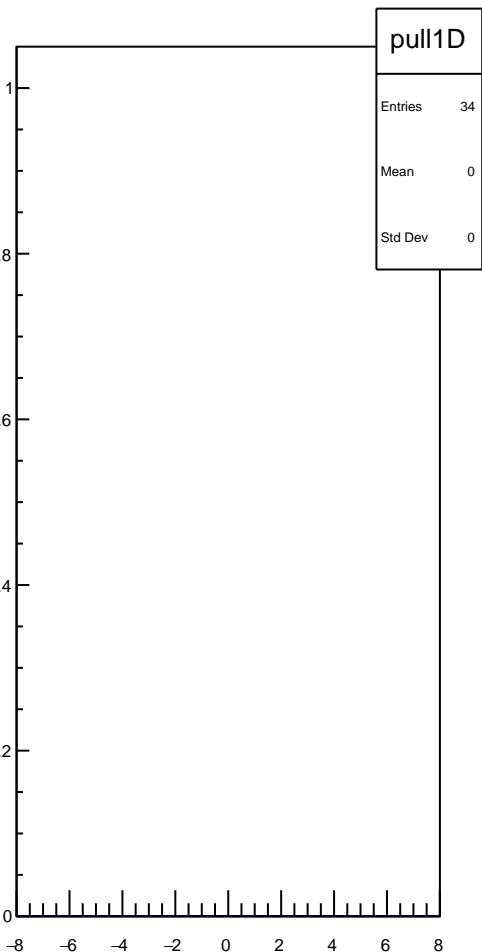
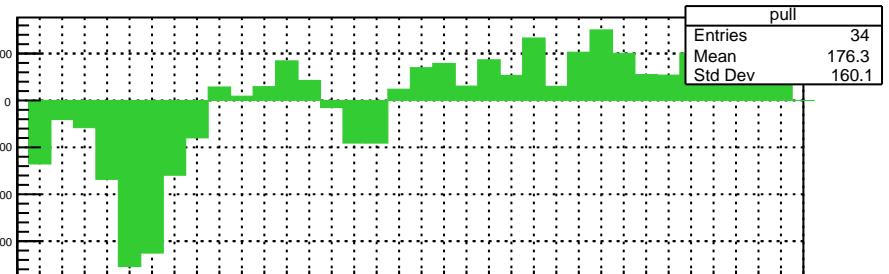
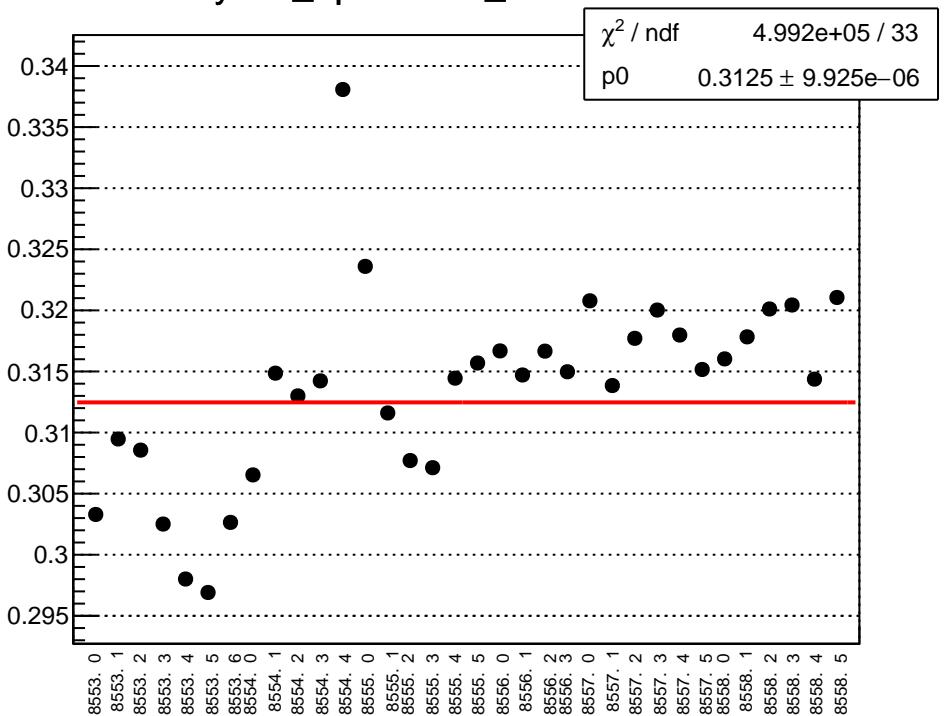
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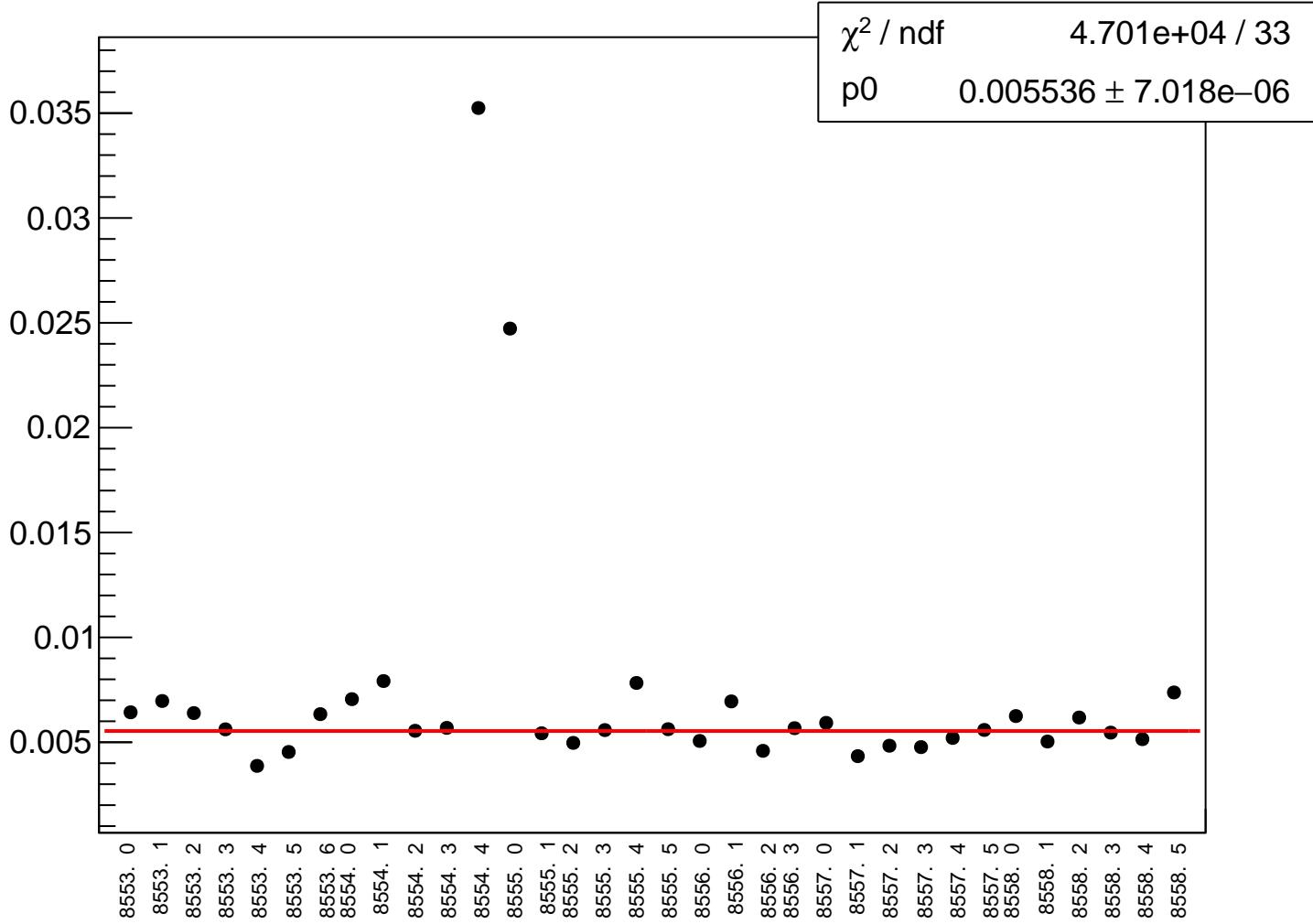
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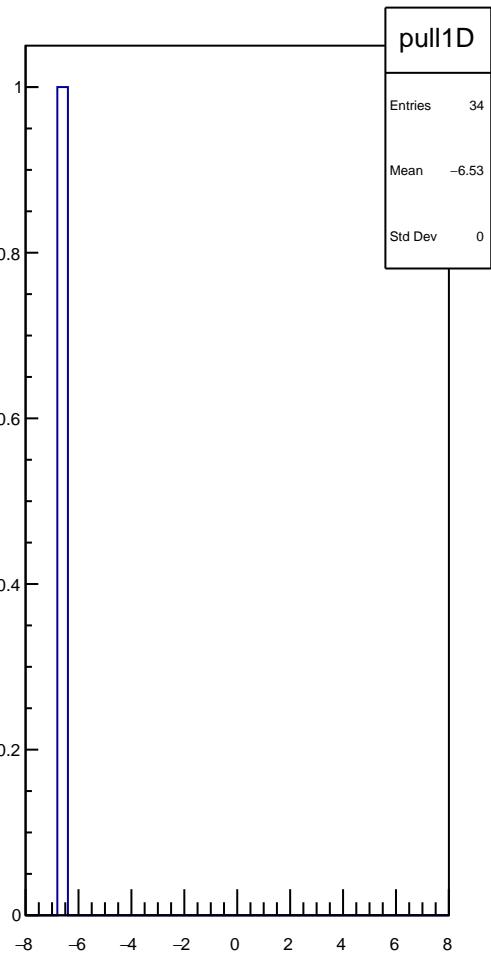
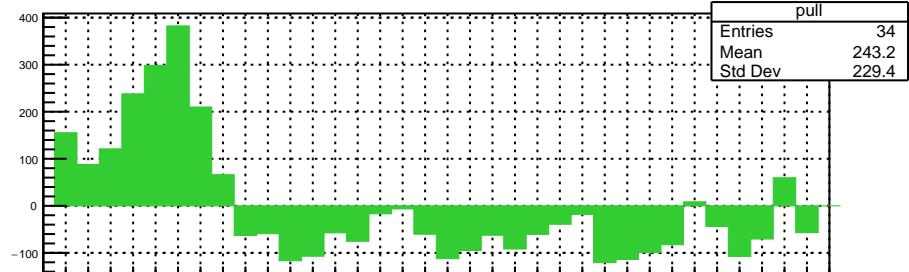
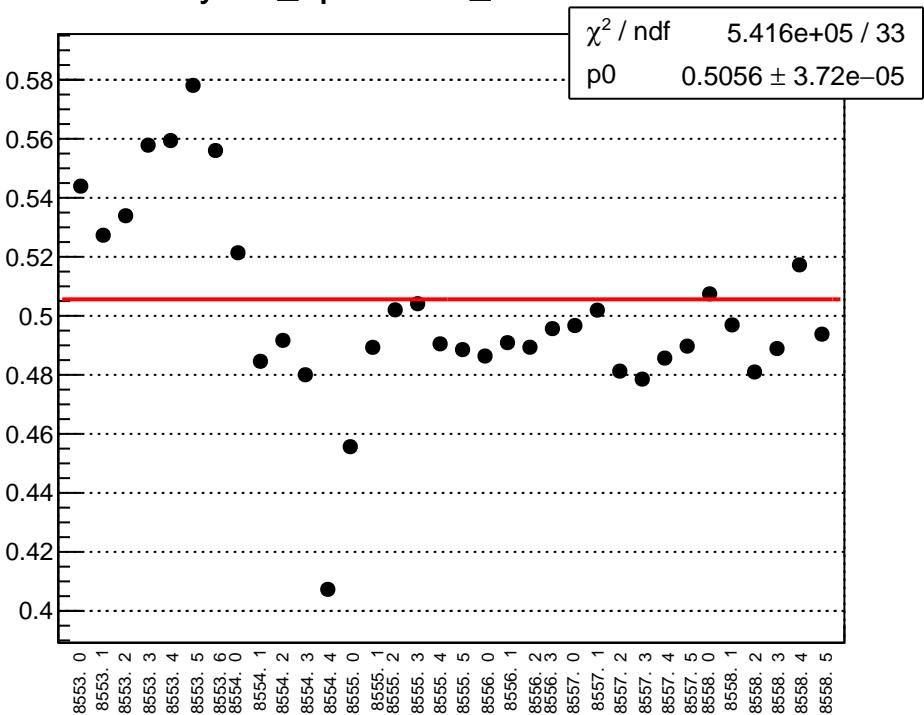
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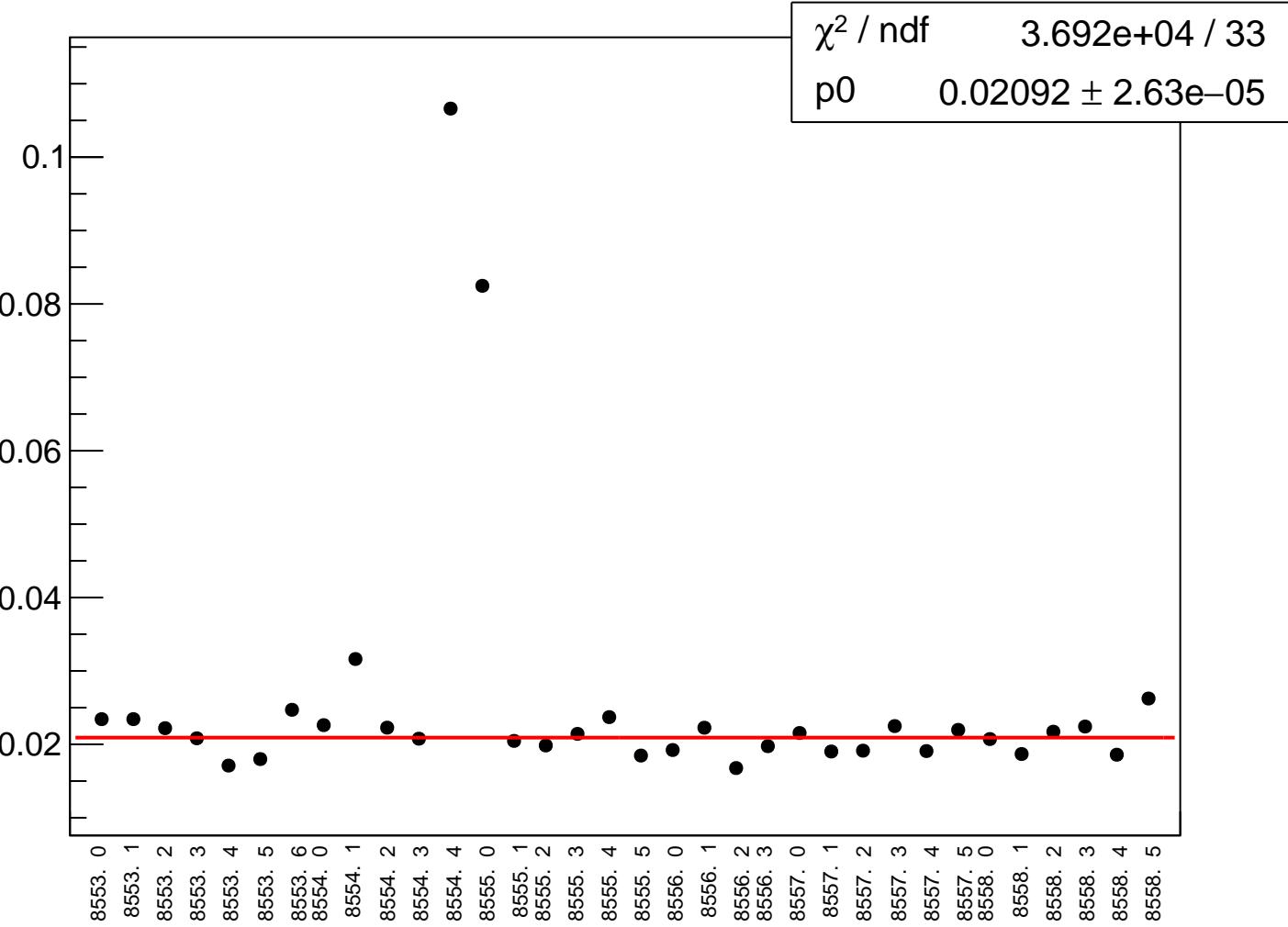
yield_bpm0l08Y_rms vs run



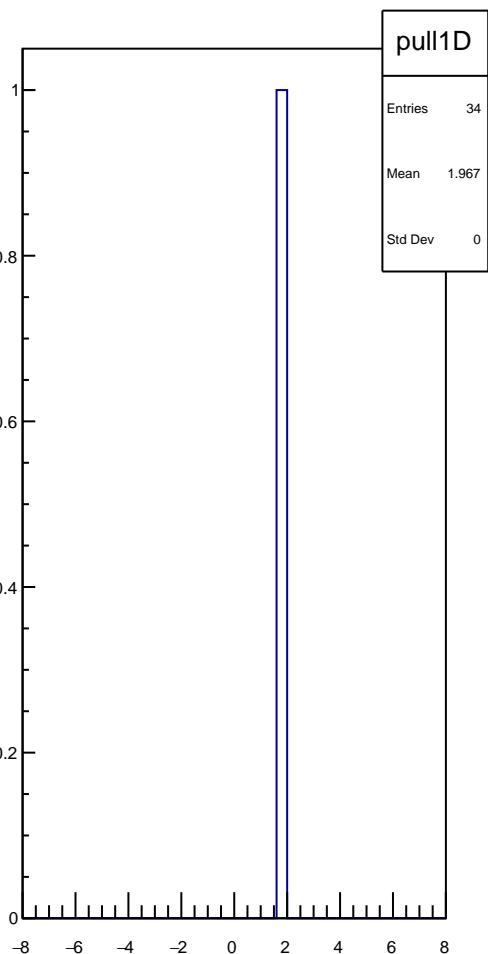
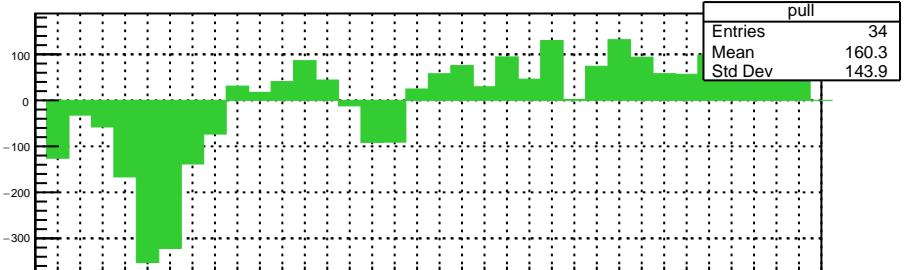
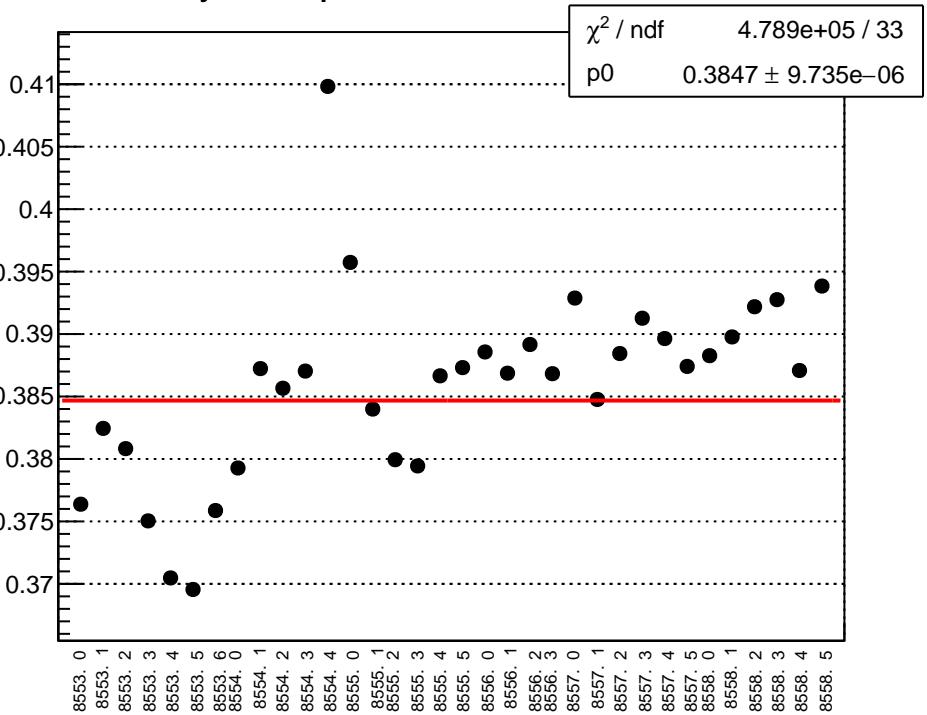
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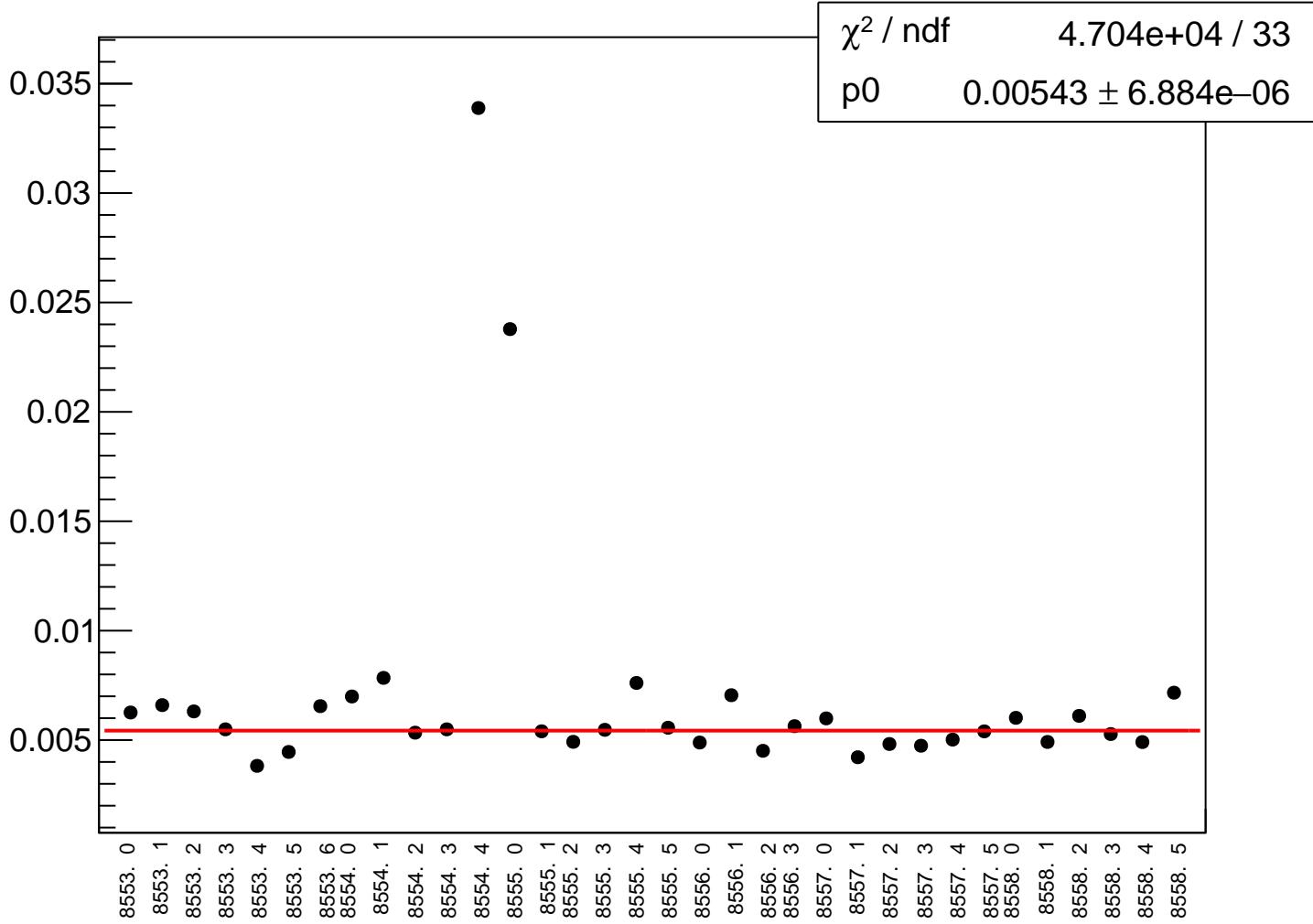
yield_bpm0l09X_rms vs run



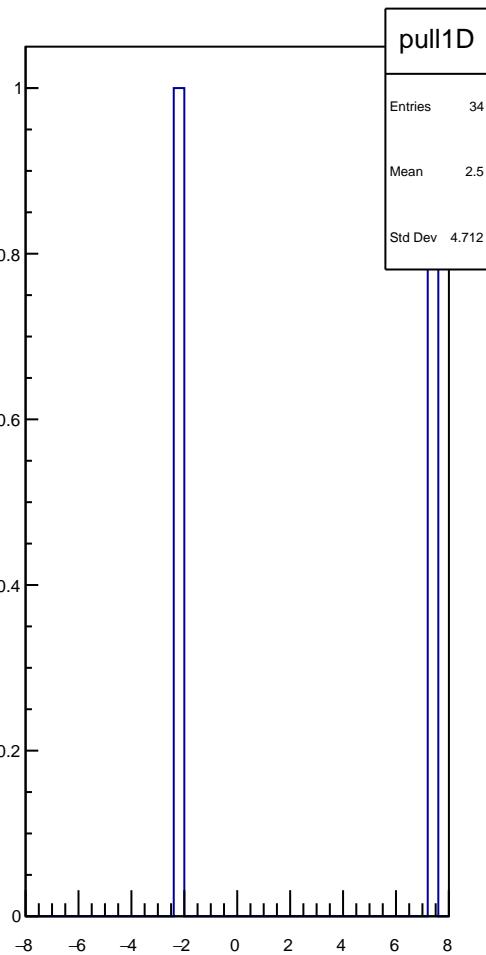
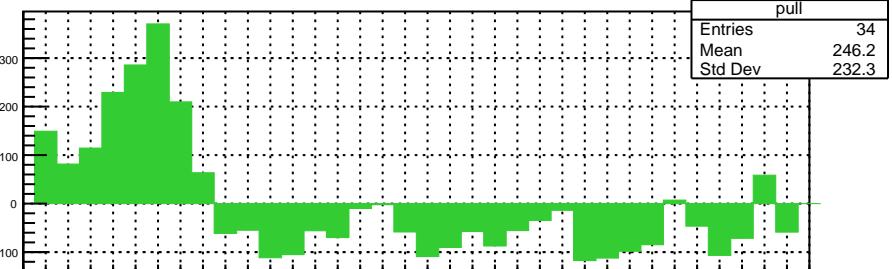
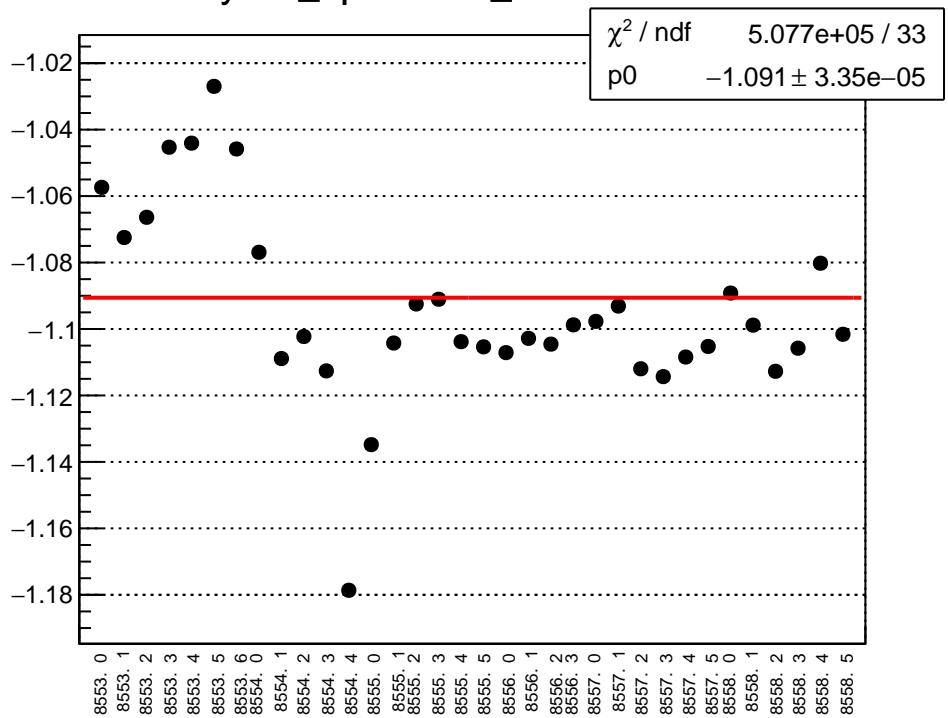
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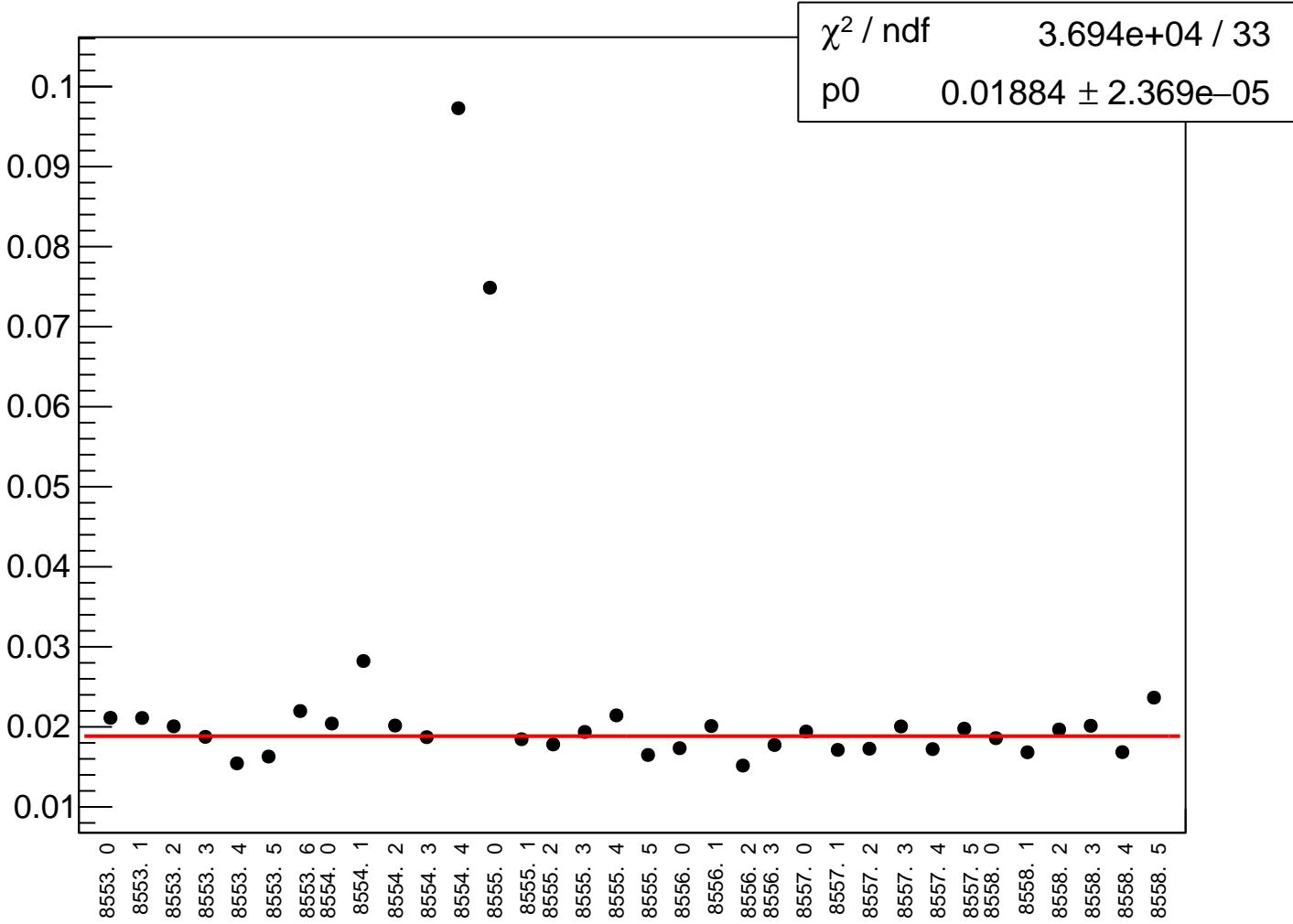
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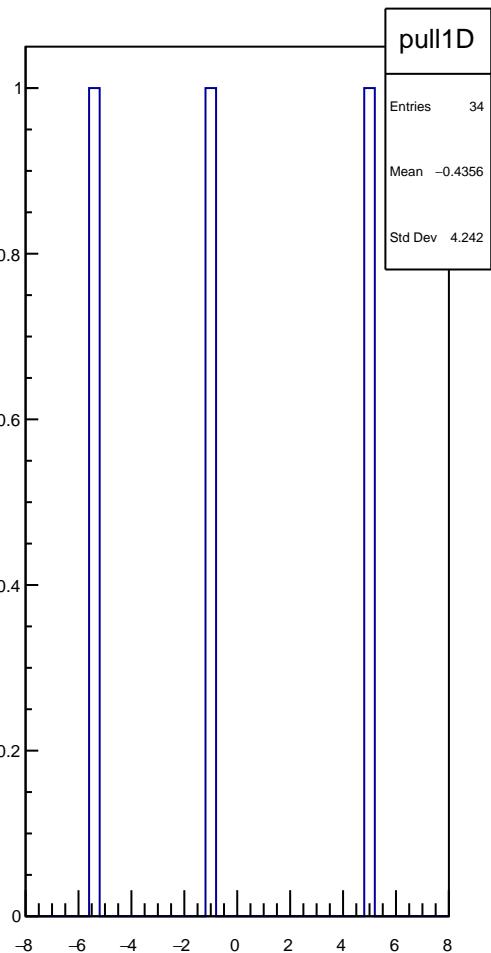
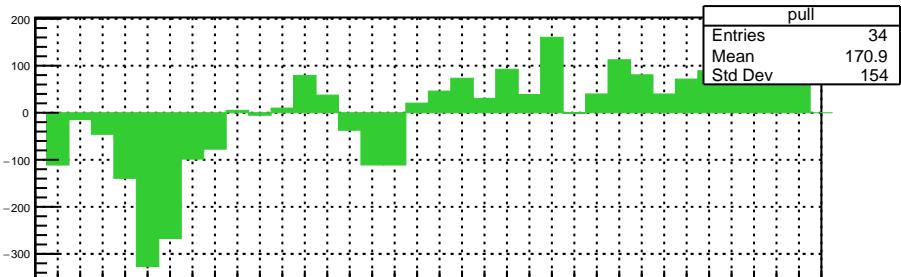
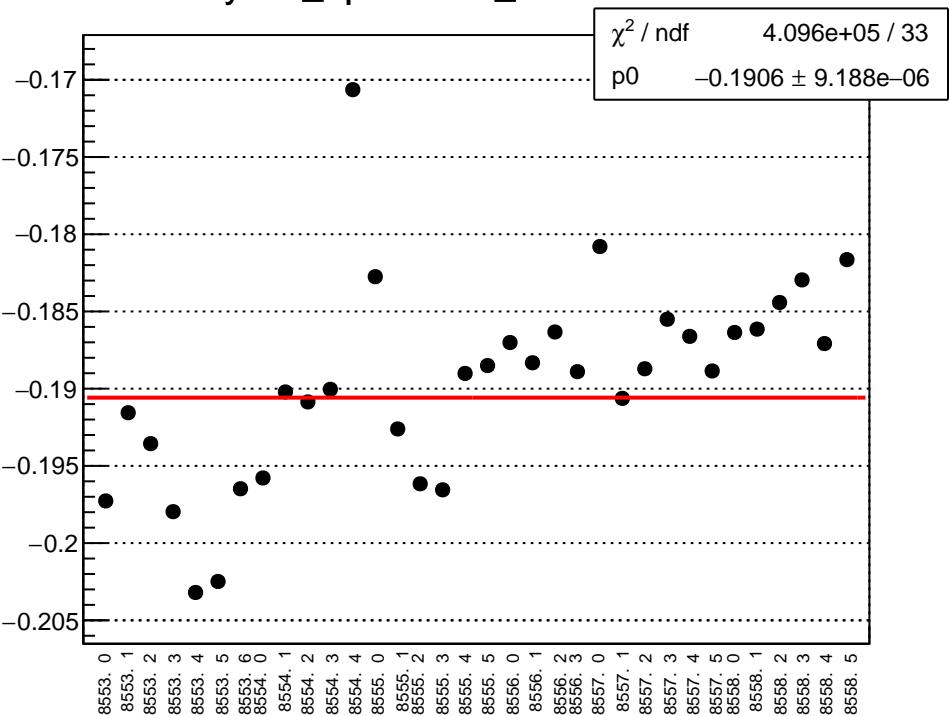
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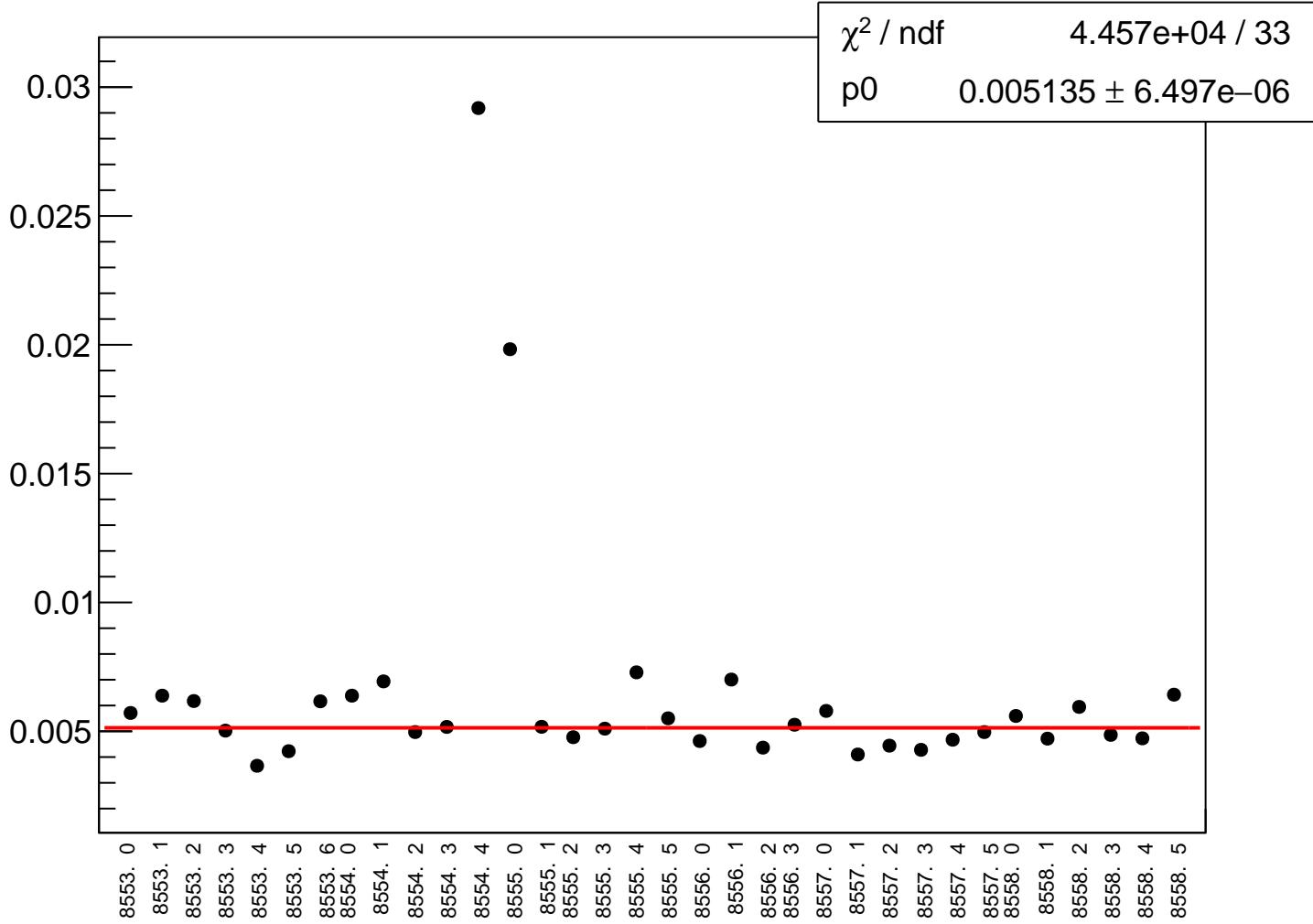
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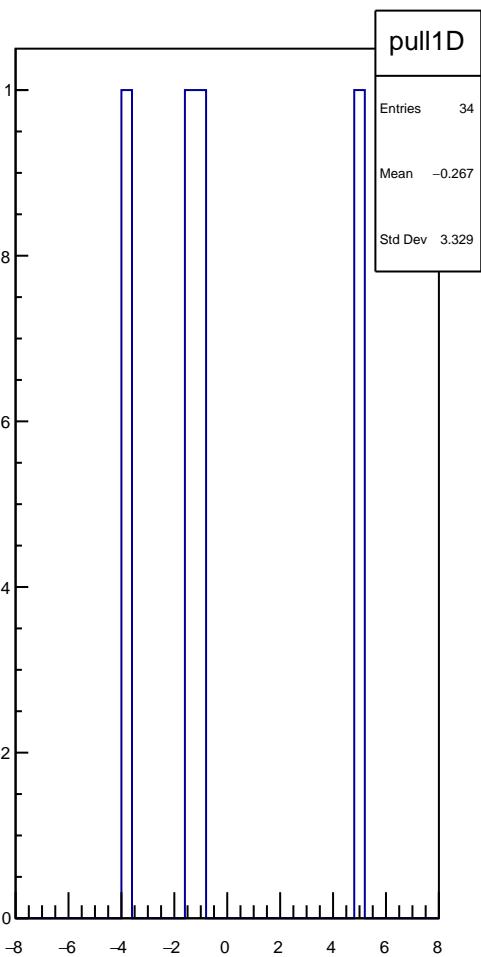
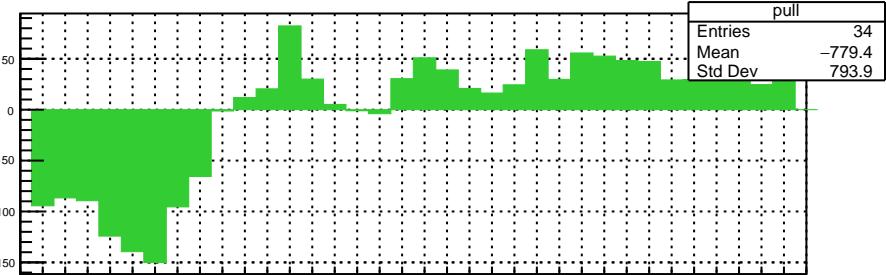
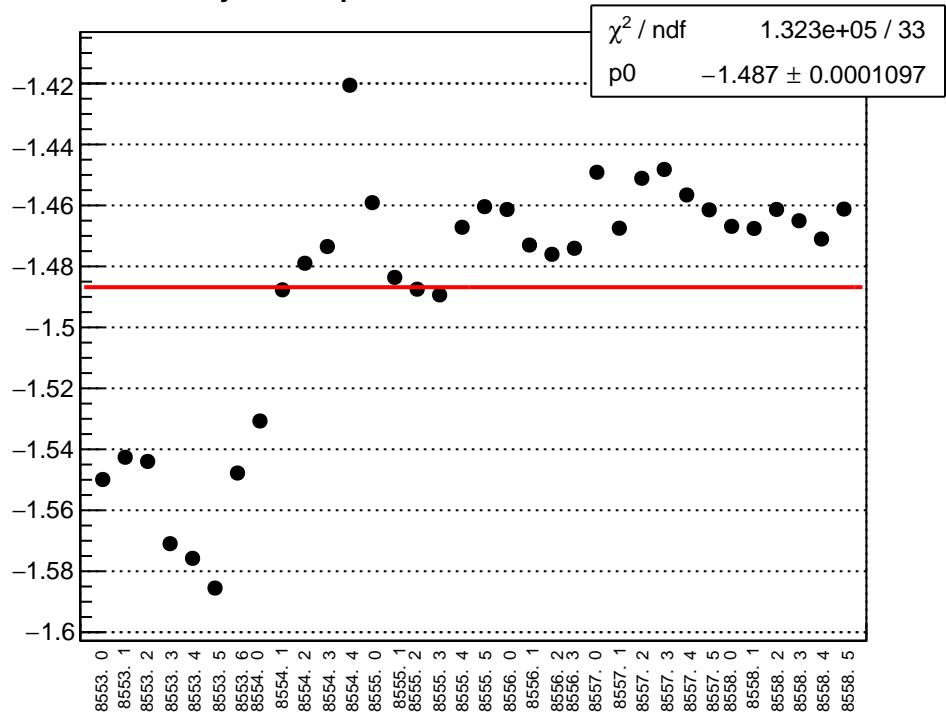
yield_bpm0I10Y_mean vs run



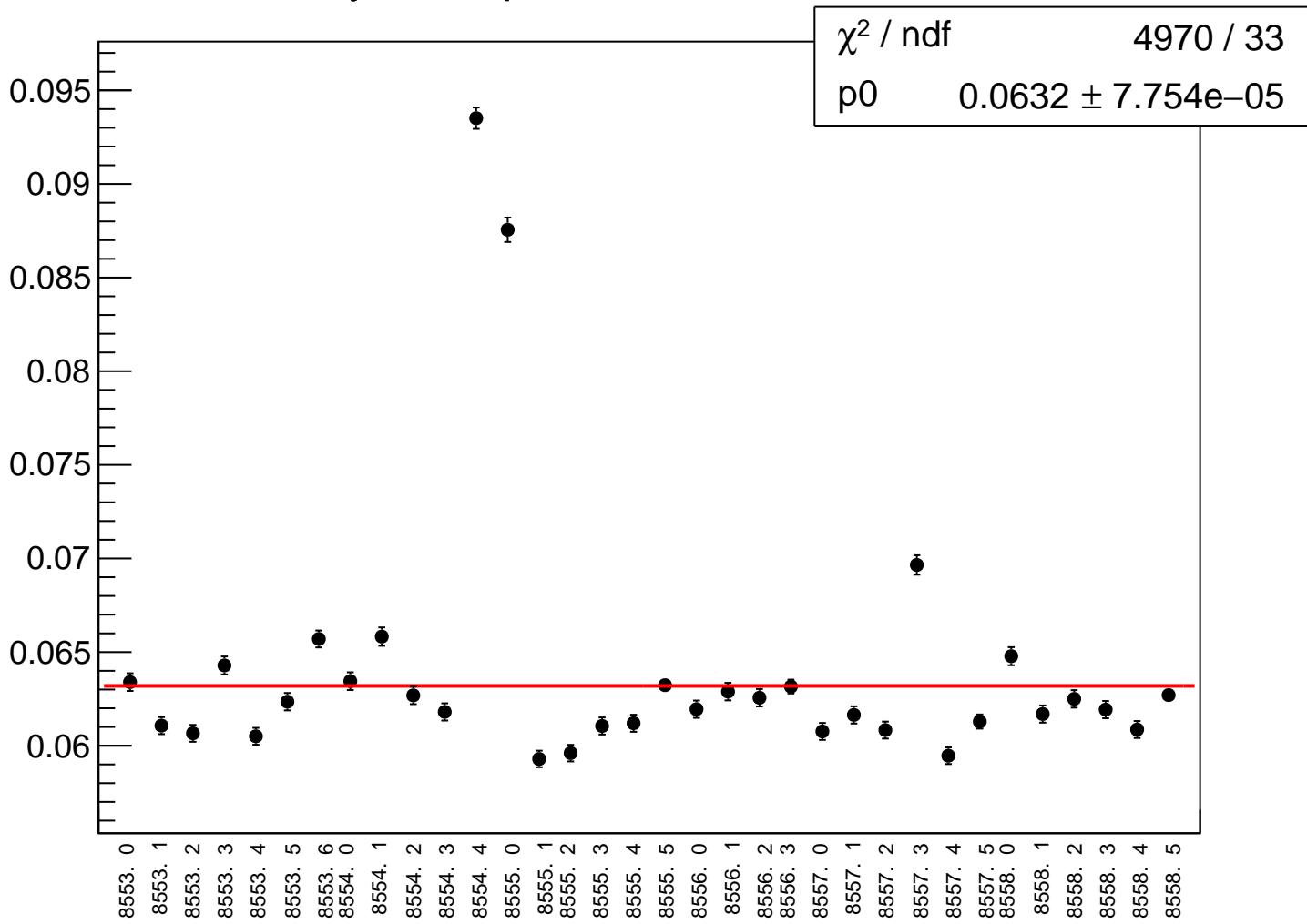
yield_bpm0l10Y_rms vs run



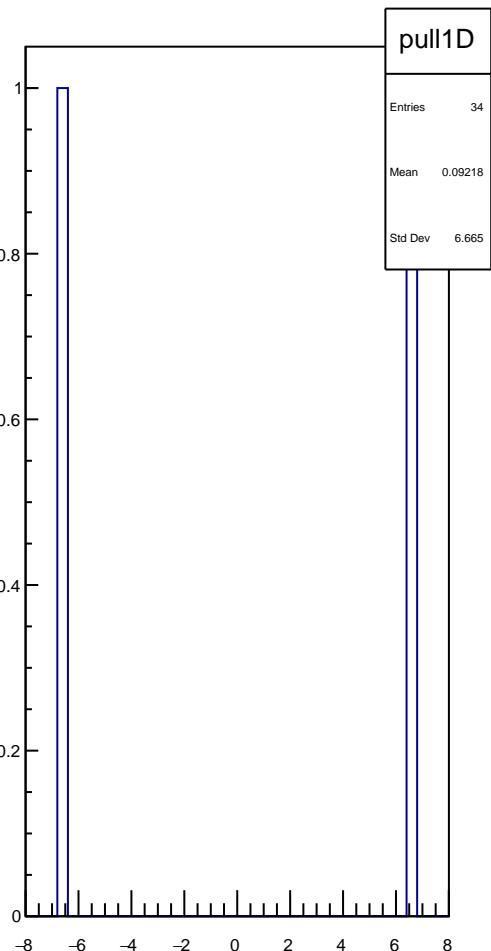
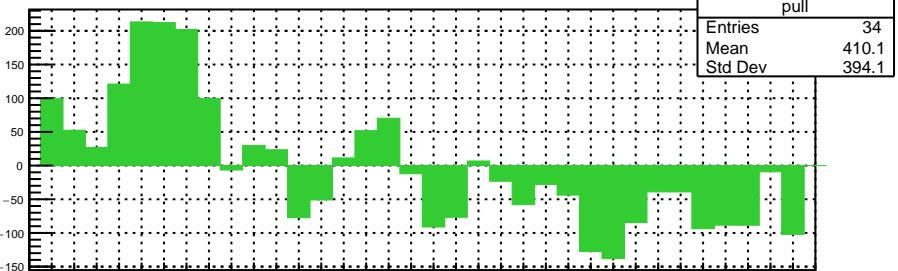
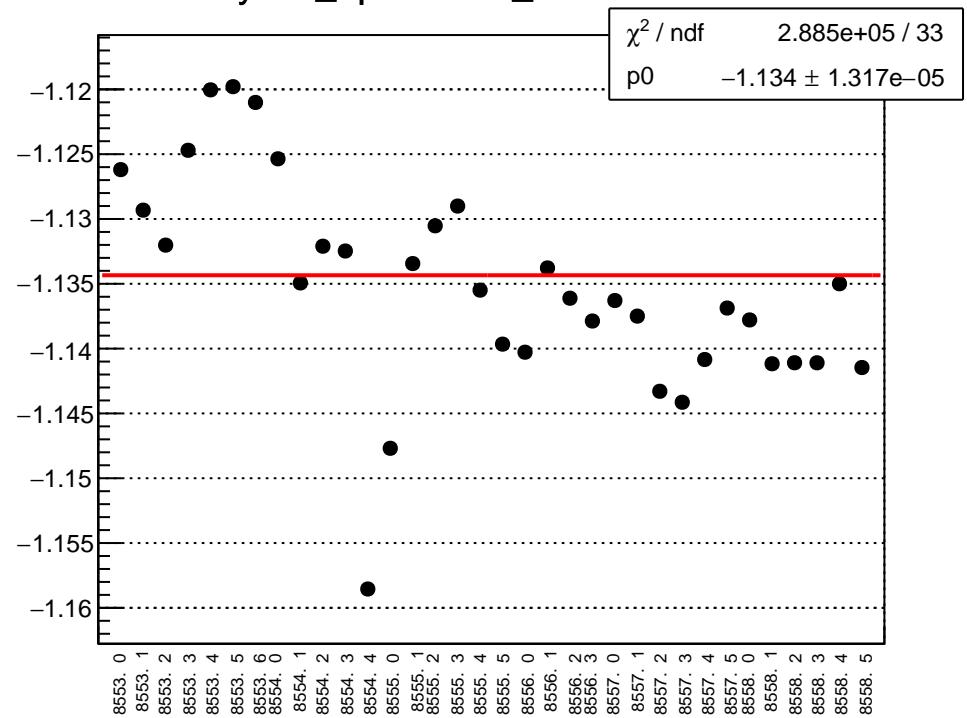
yield_bpm0r03X_mean vs run



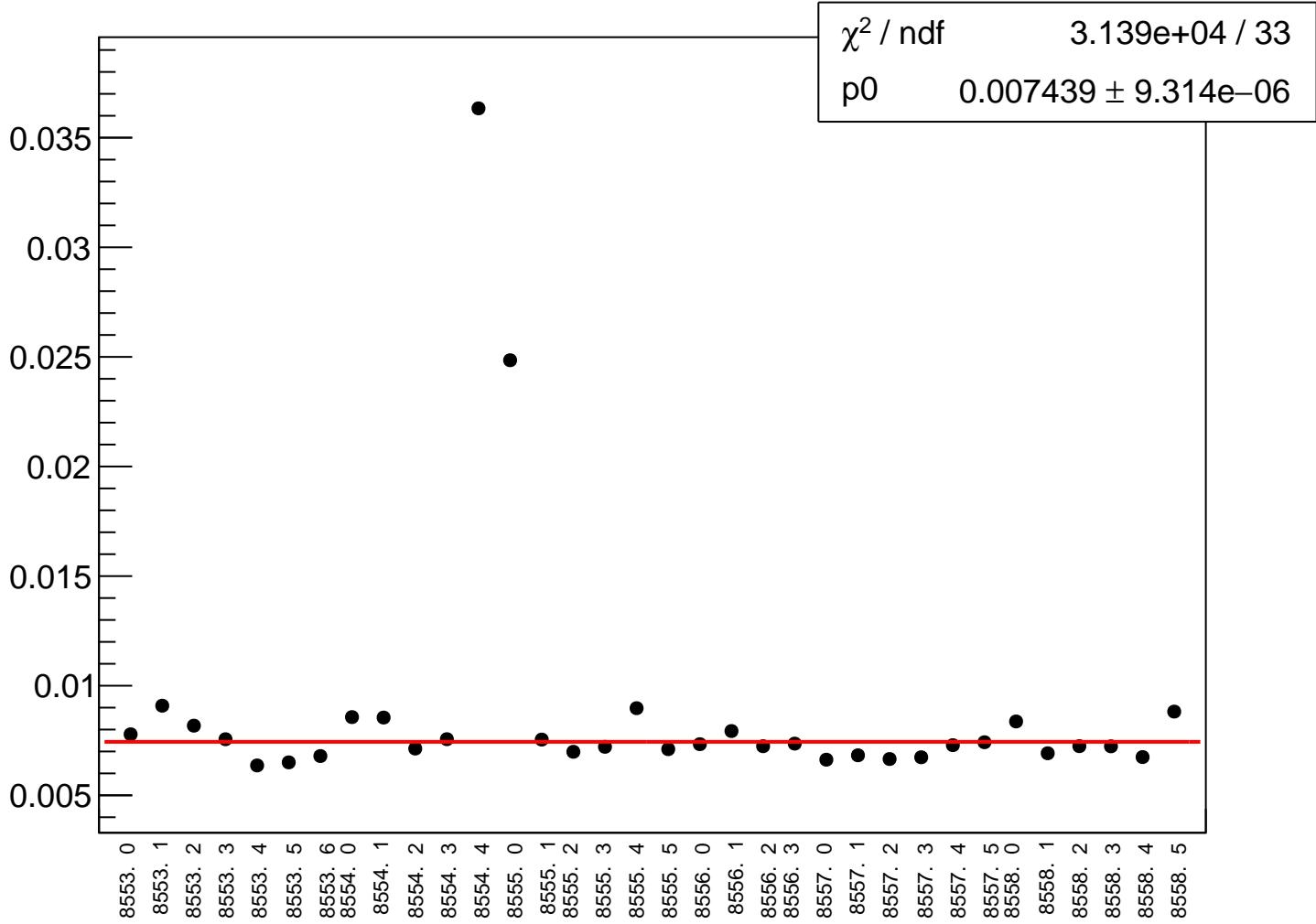
yield_bpm0r03X_rms vs run



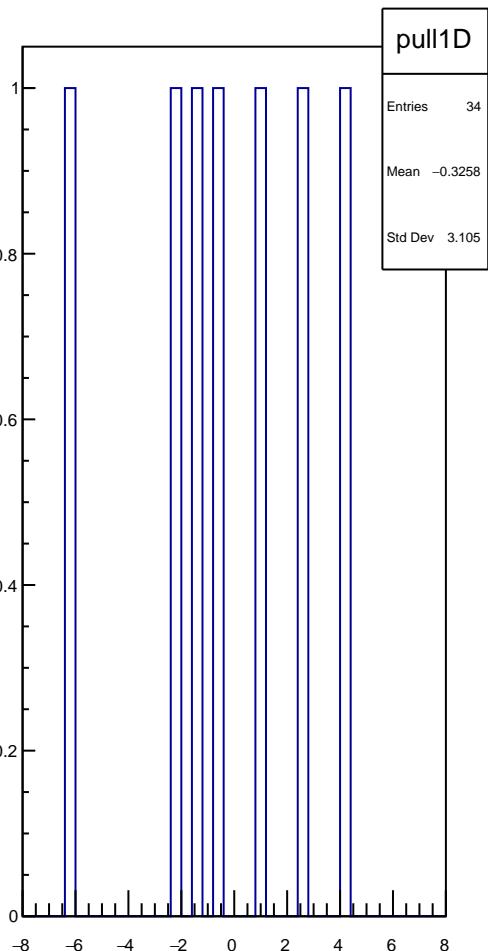
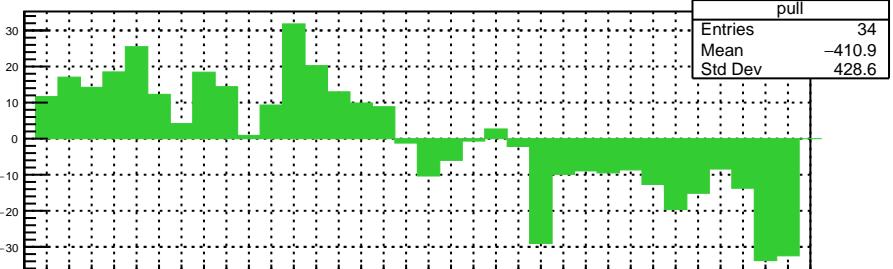
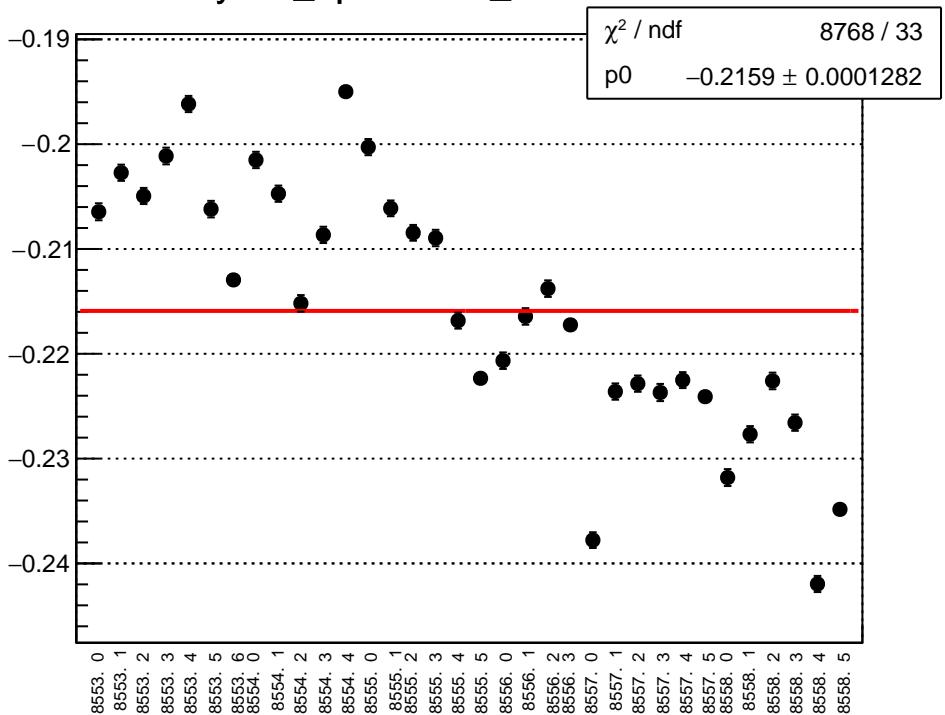
yield_bpm0r03Y_mean vs run



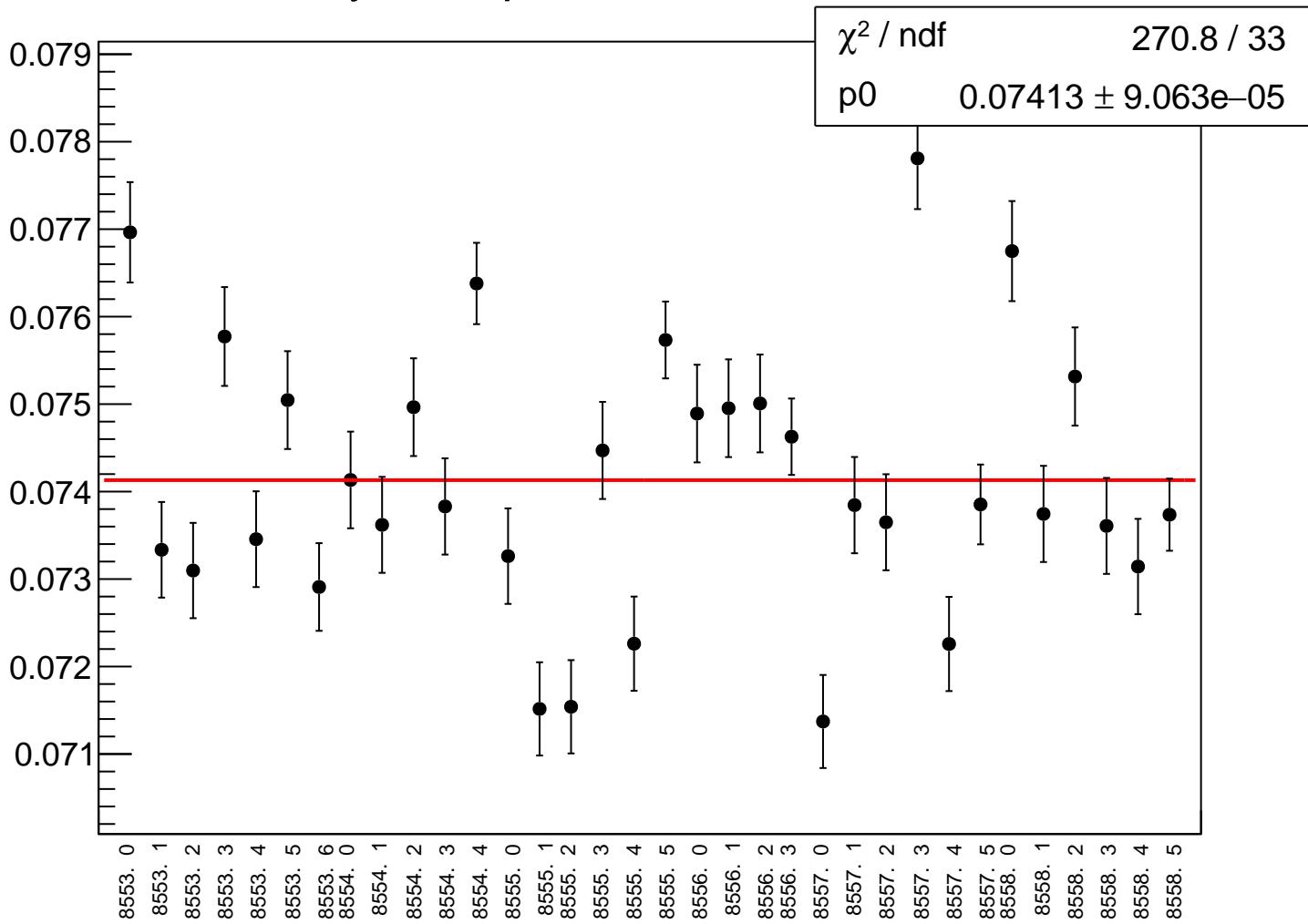
yield_bpm0r03Y_rms vs run



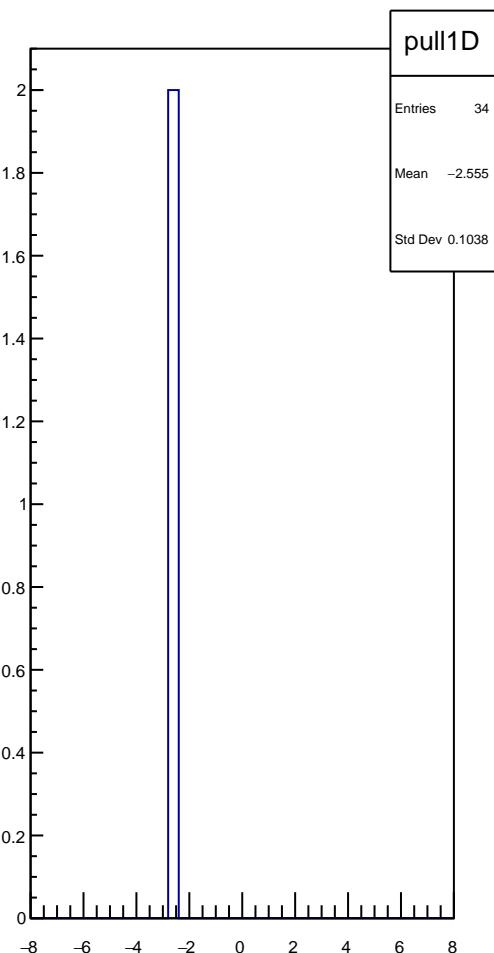
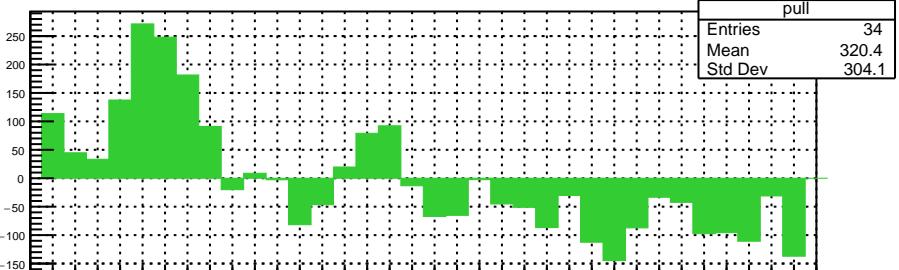
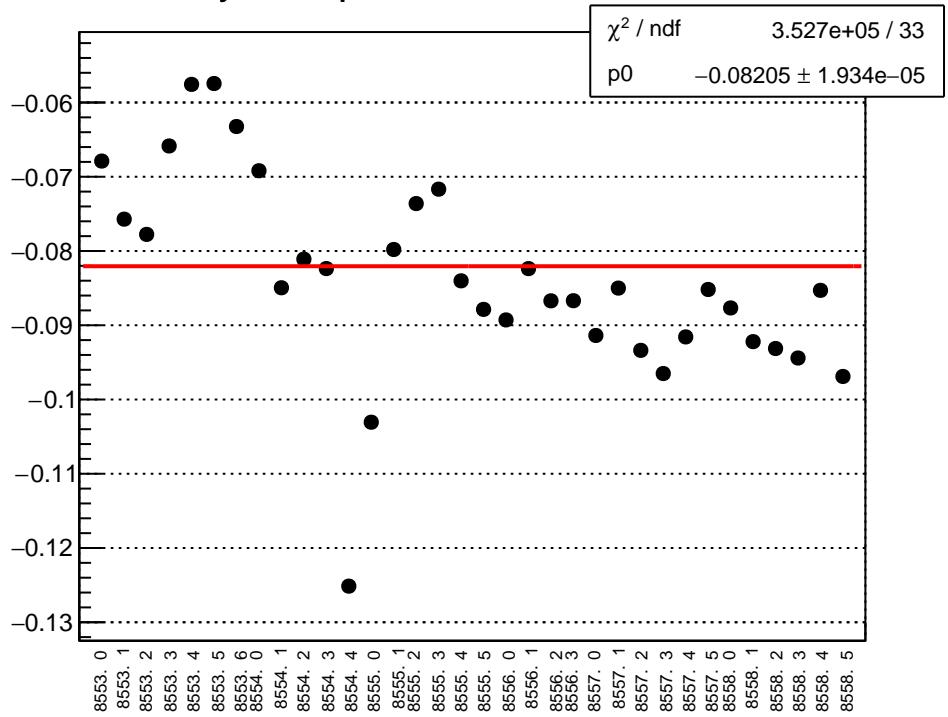
yield_bpm0r05X_mean vs run



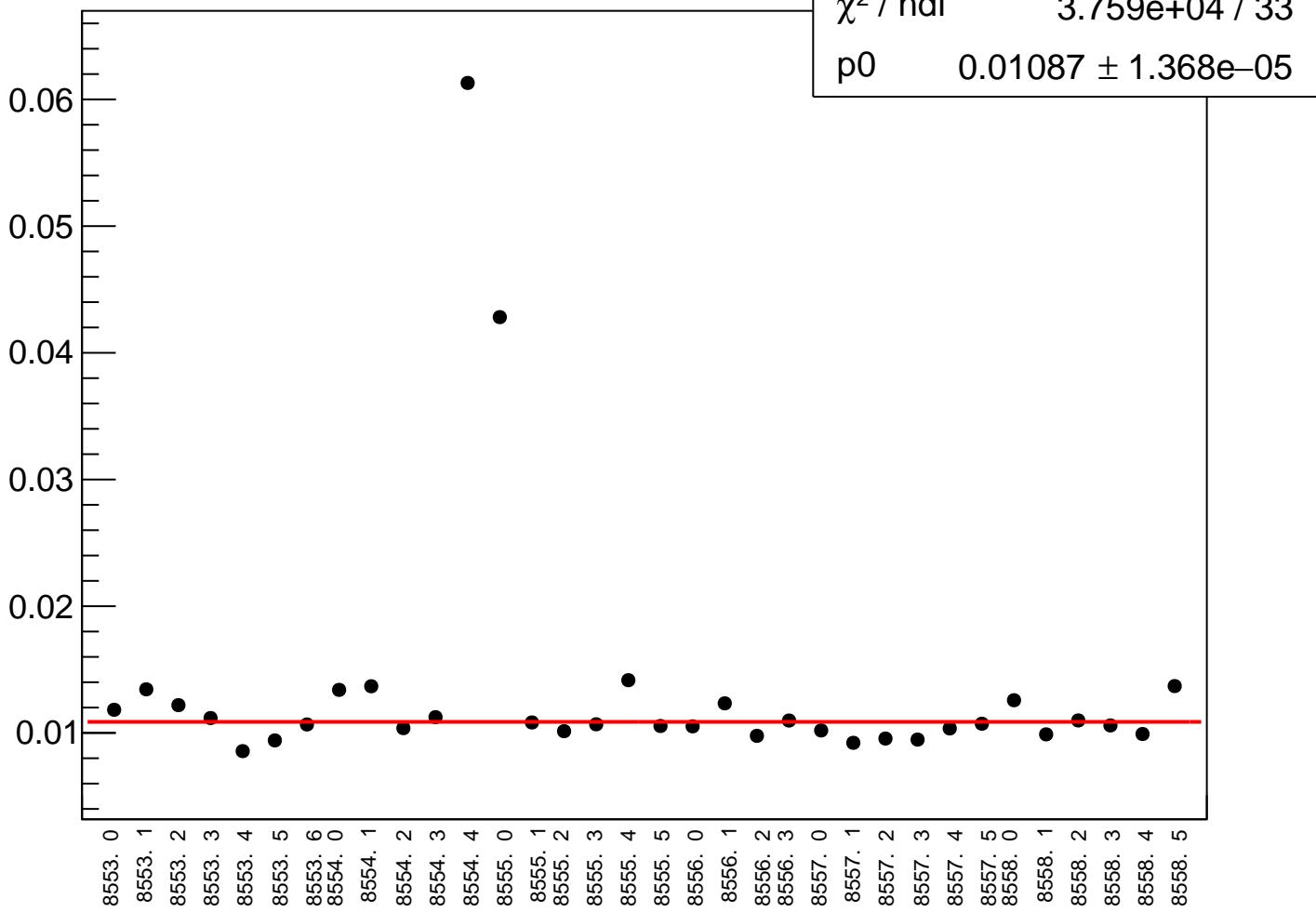
yield_bpm0r05X_rms vs run

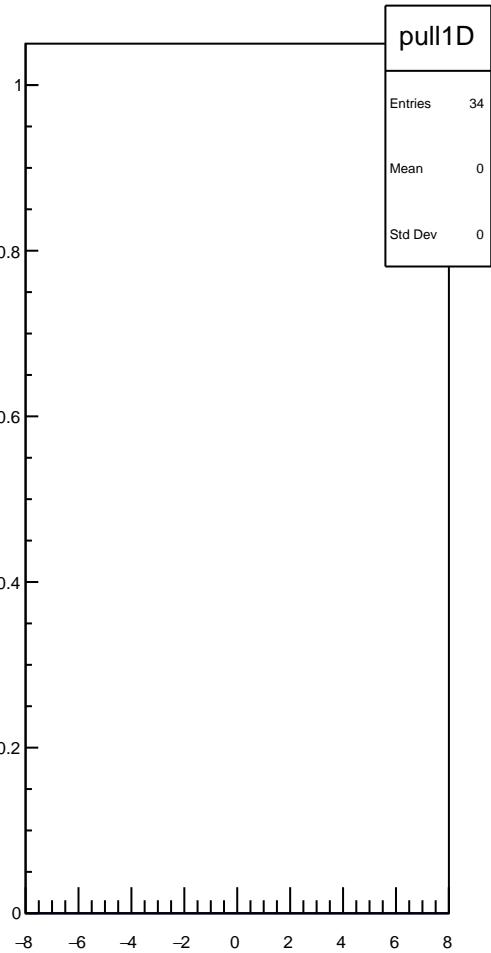
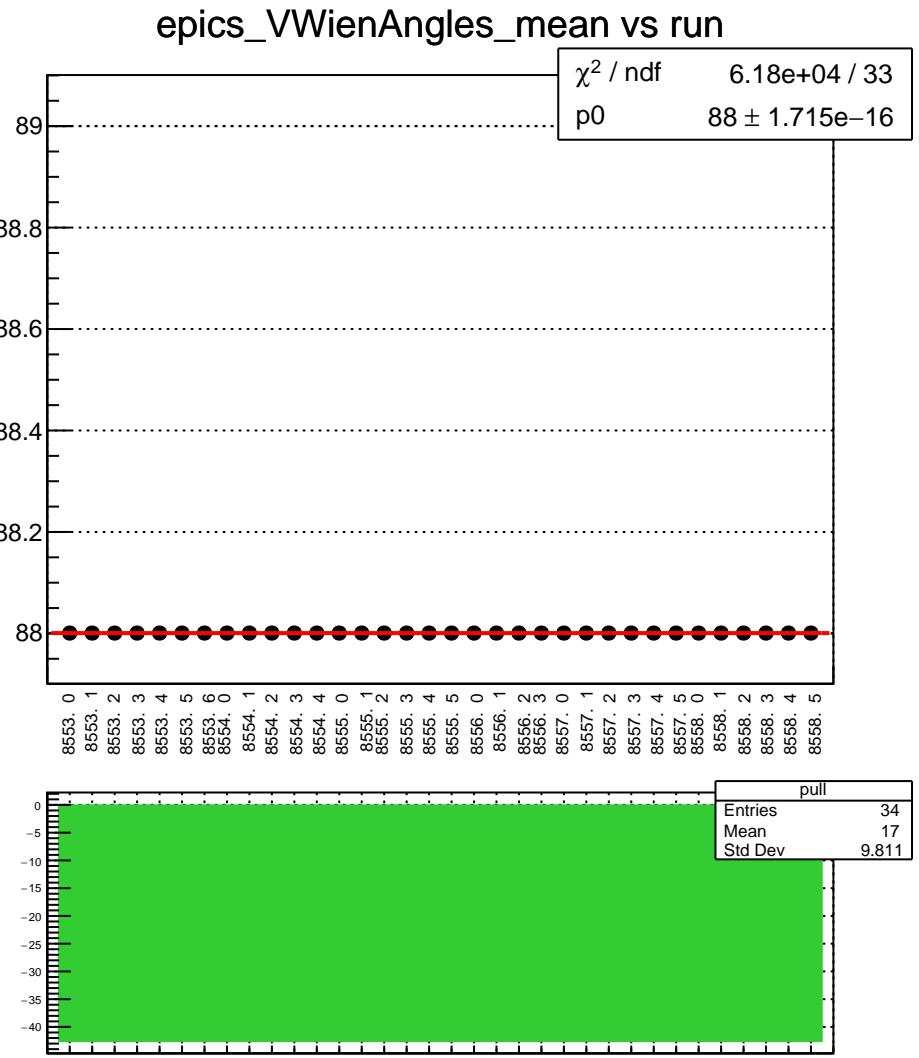


yield_bpm0r05Y_mean vs run

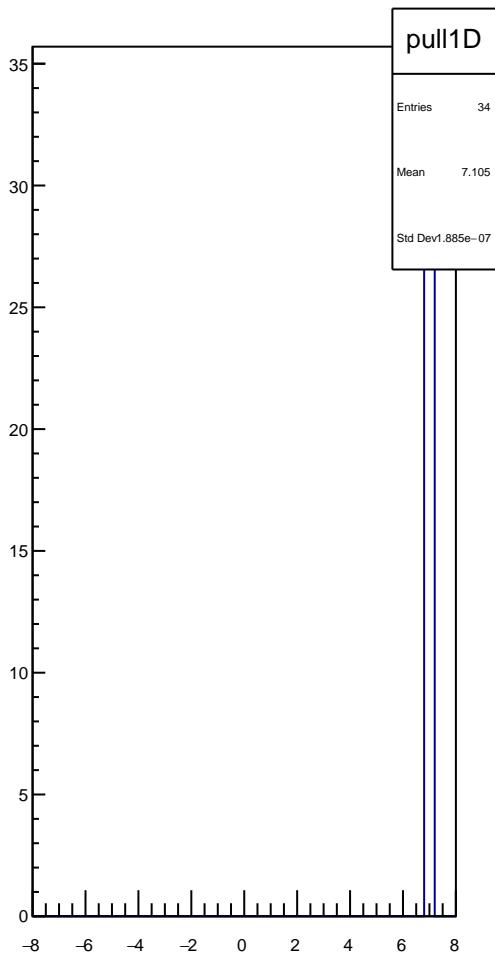
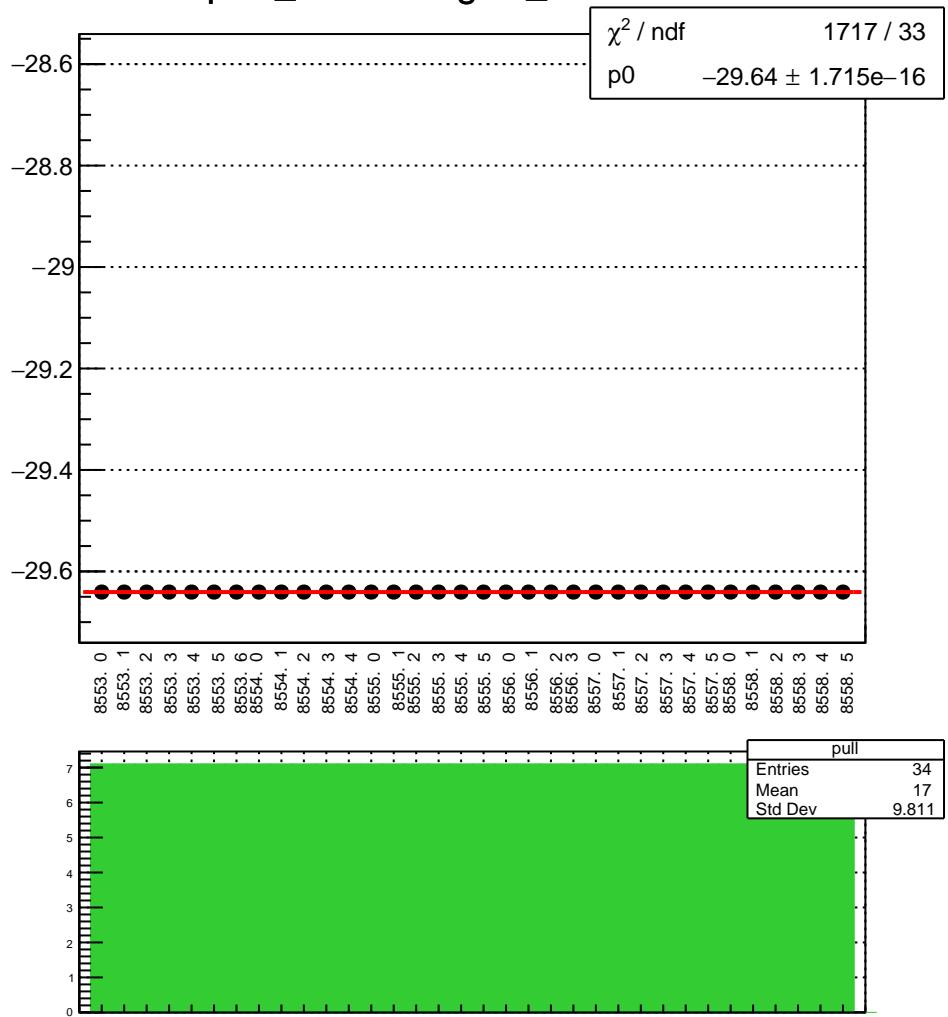


yield_bpm0r05Y_rms vs run

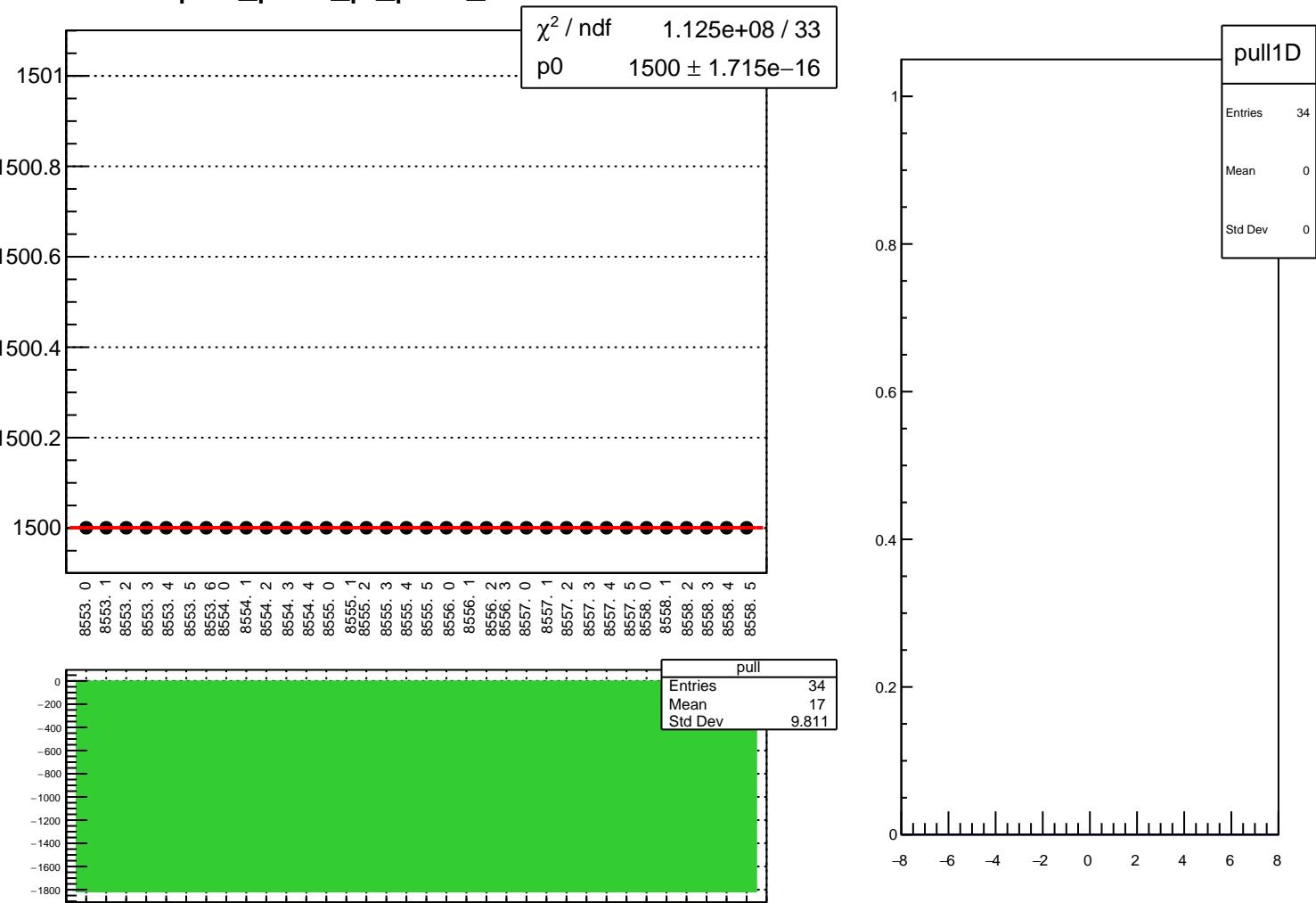




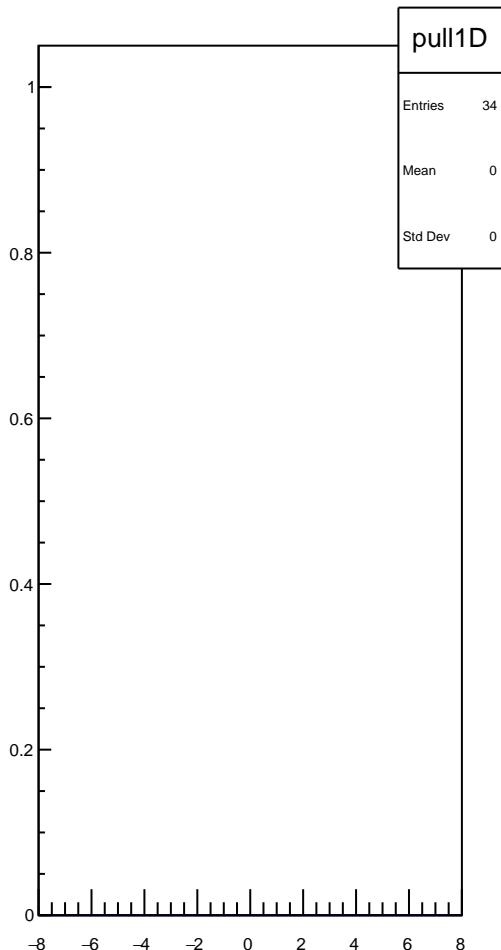
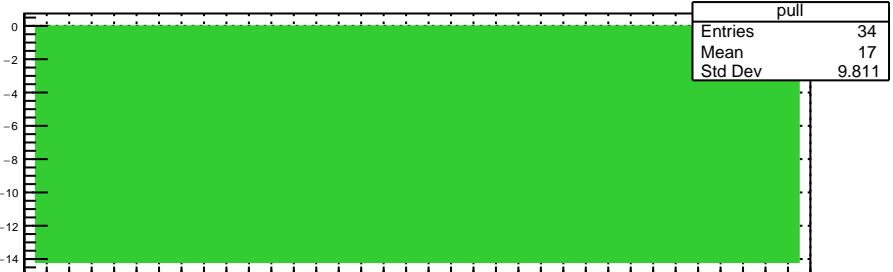
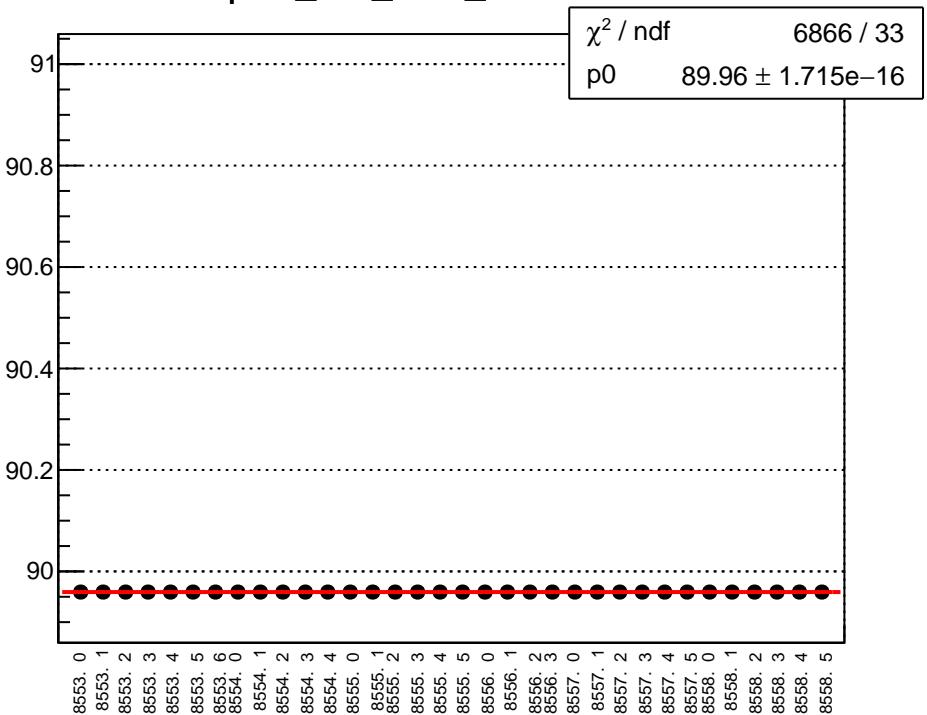
epics_HWienAngles_mean vs run



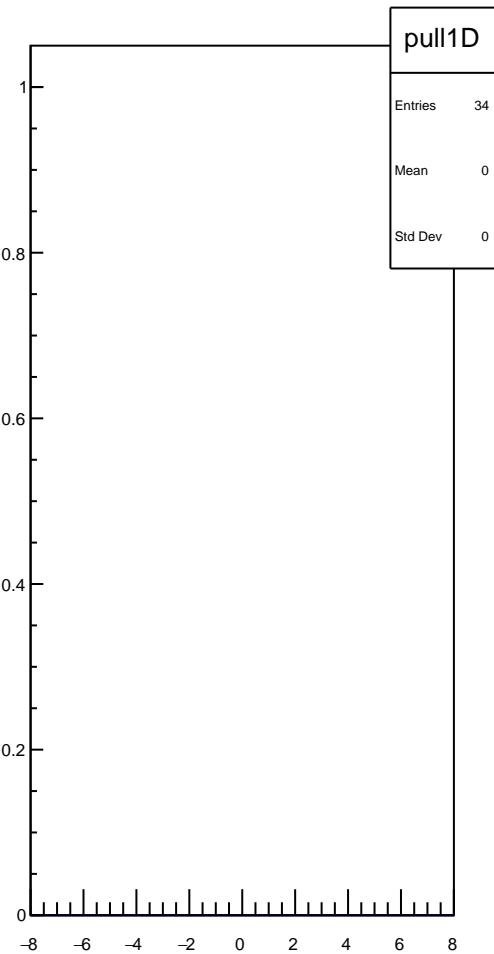
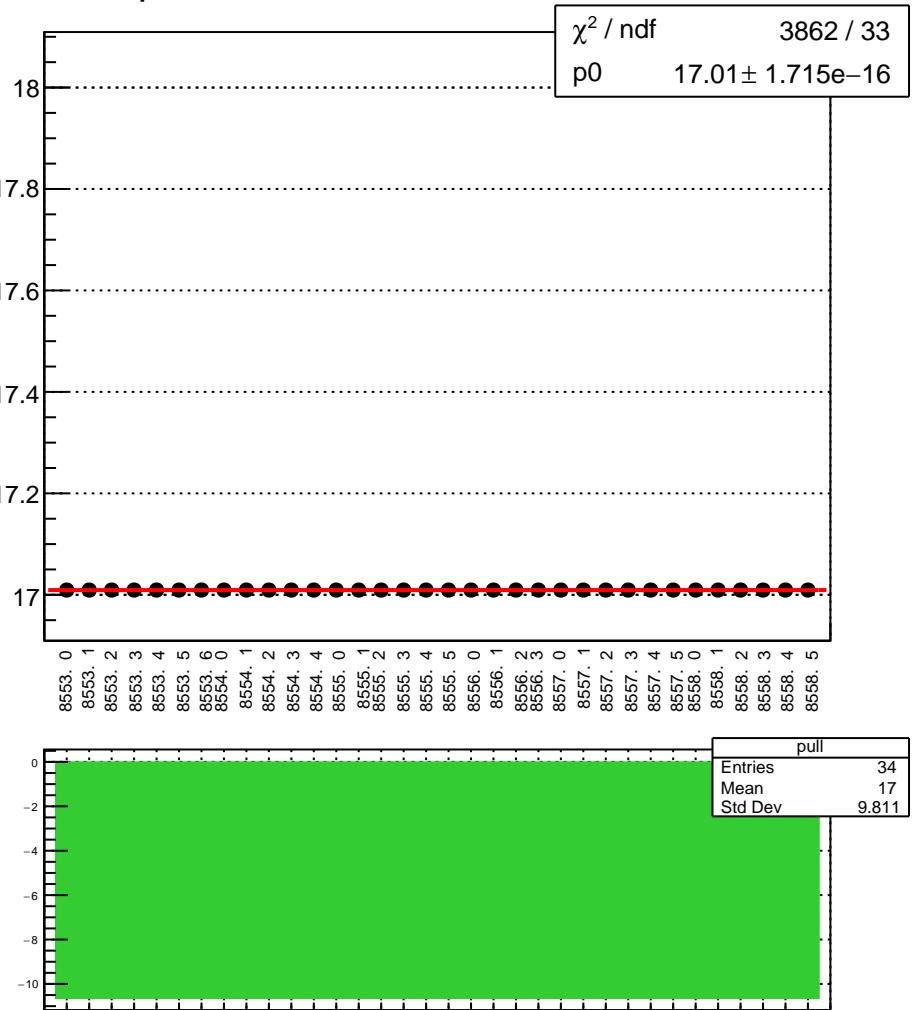
epics_psub_pl_pos_>_mean vs run



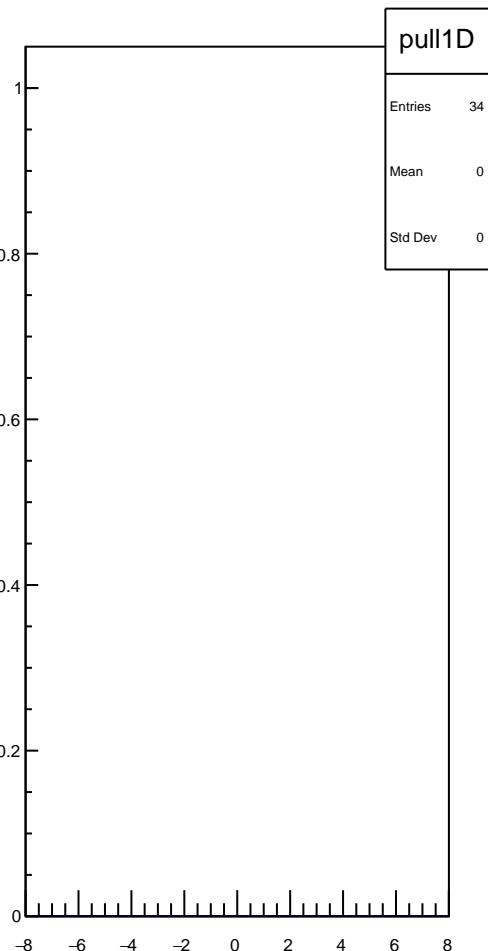
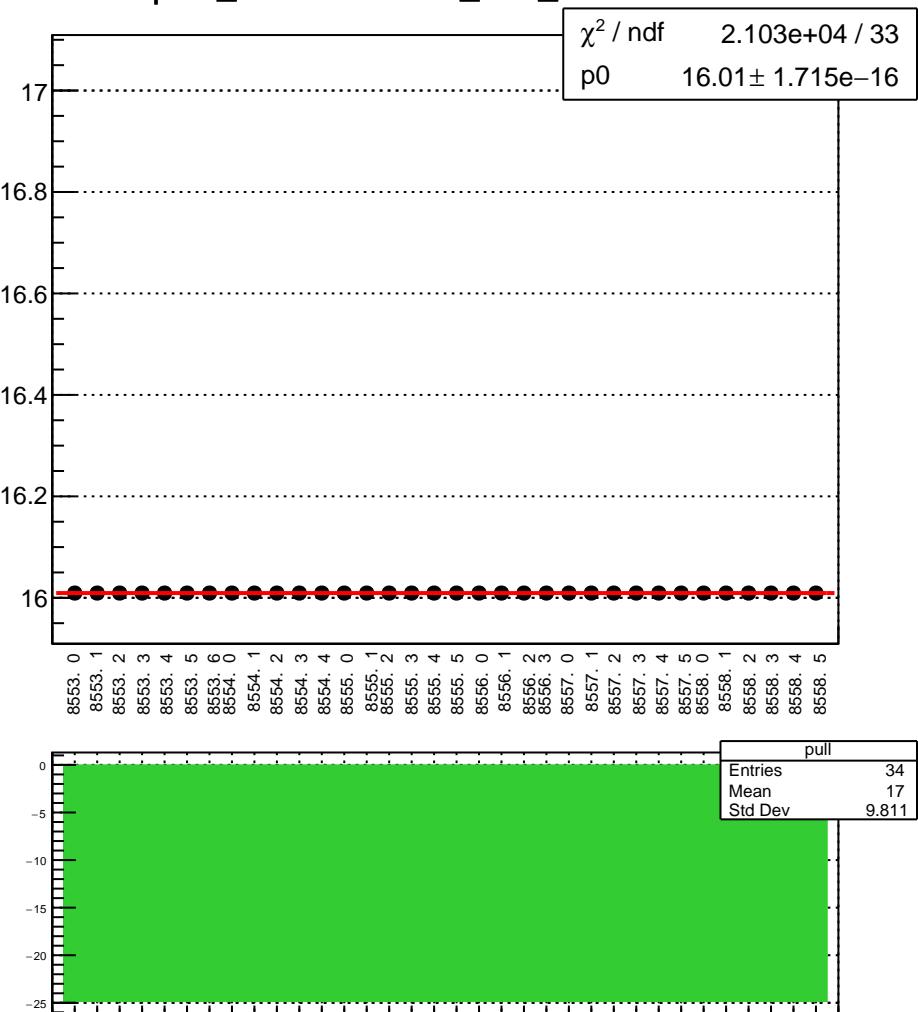
epics_Phi_FGs_mean vs run



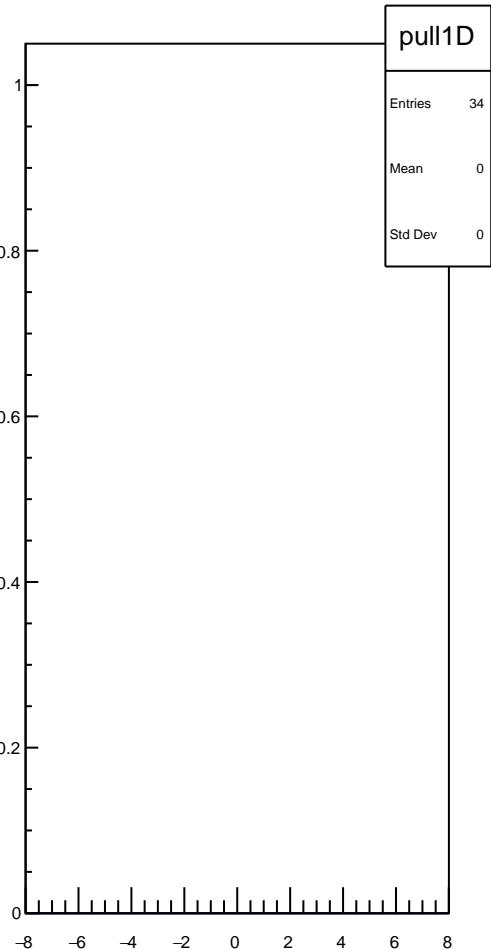
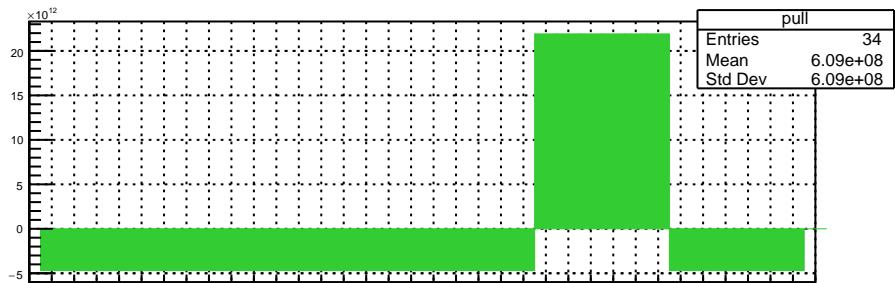
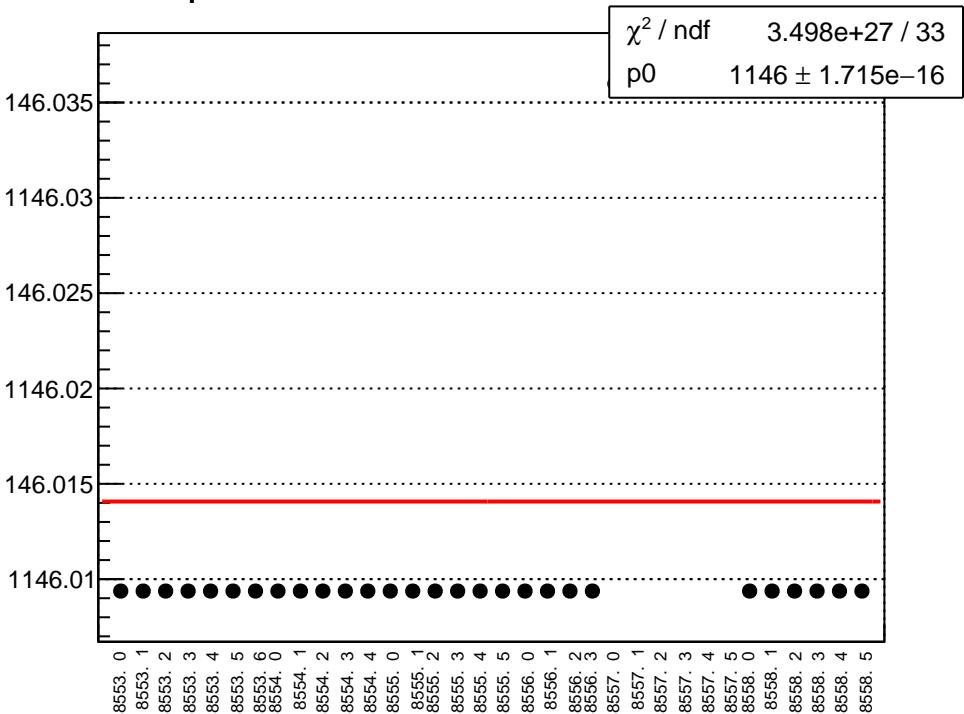
epics_IGL1I00DI24_24Ms_mean vs run



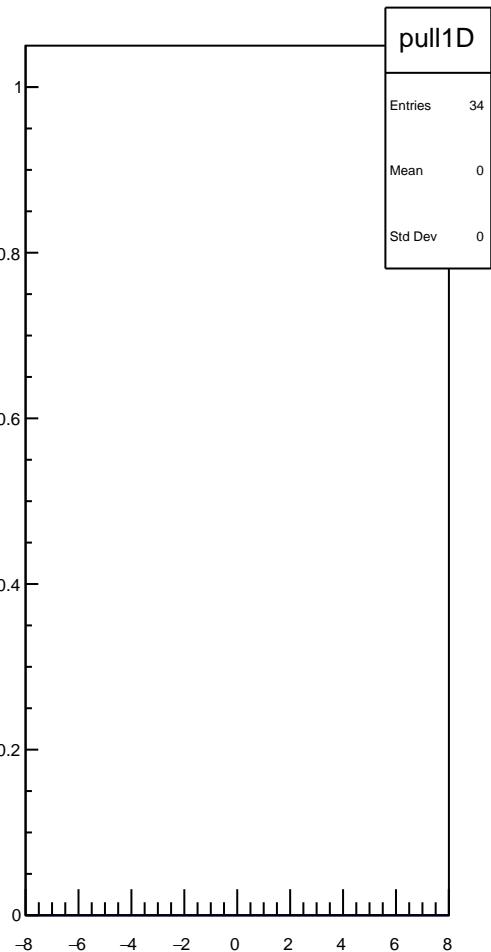
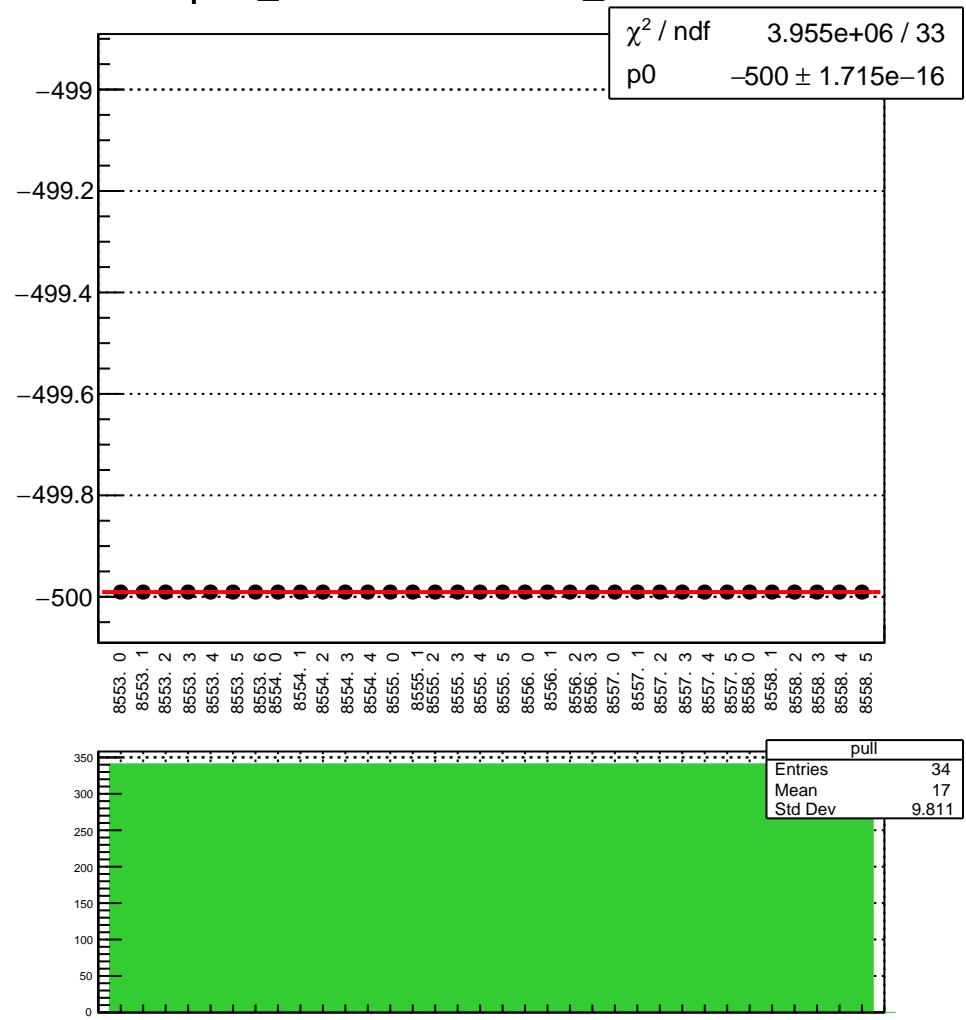
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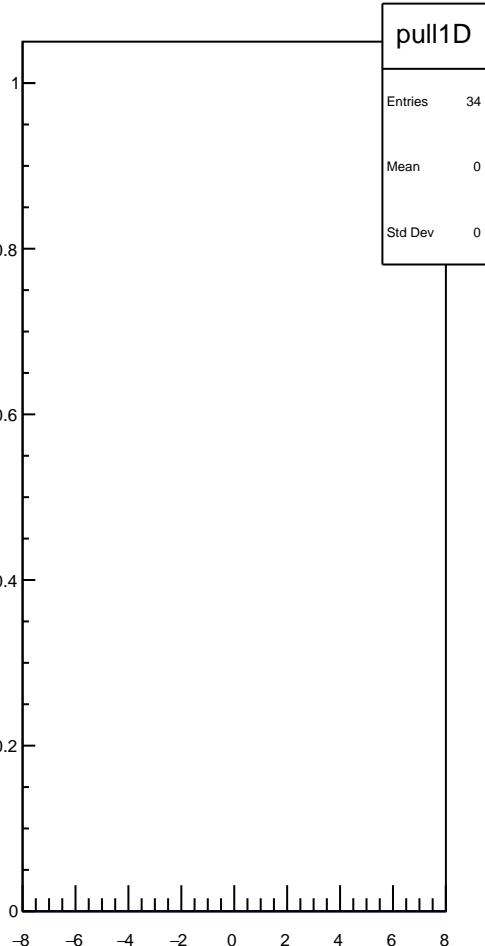
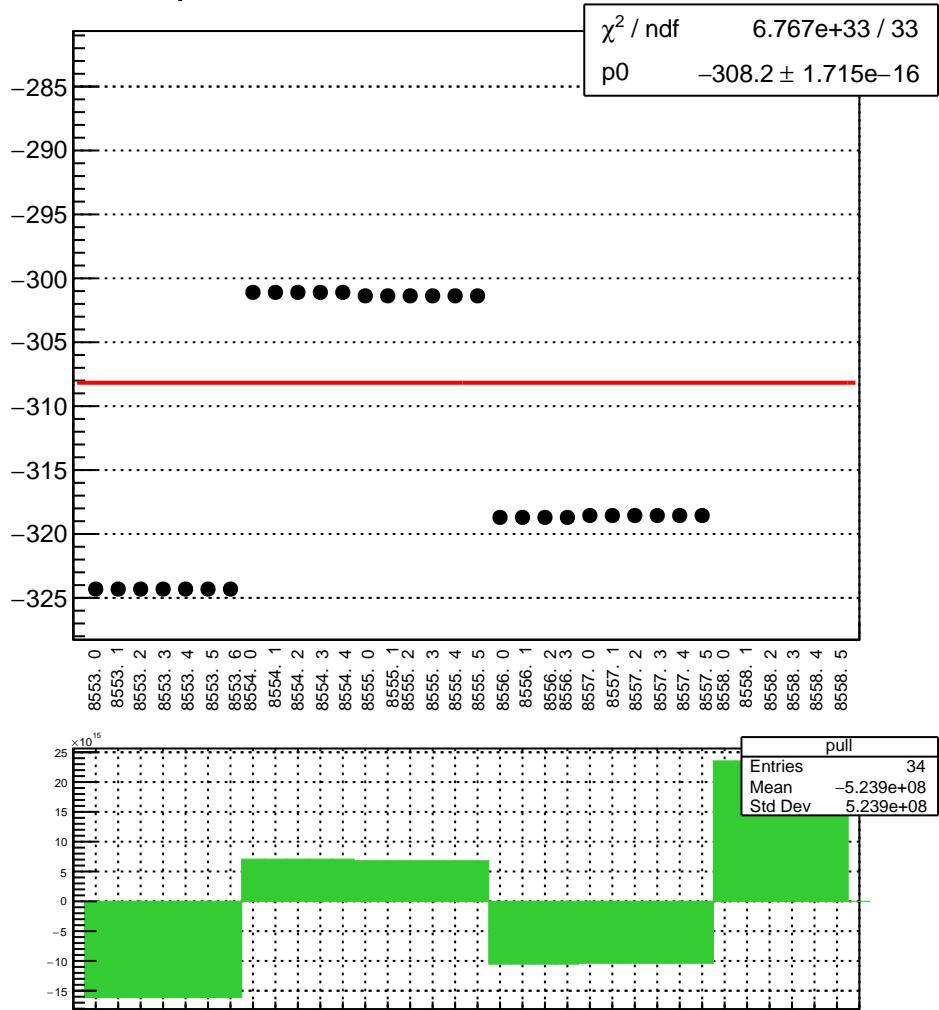
epics_RTPAPOSUCNTs_mean vs run



epics_RTPAPOSVCNTs_mean vs run



epics_RTPPITA1CNTs_mean vs run



epics_RTPPITA2CNTs_mean vs run

