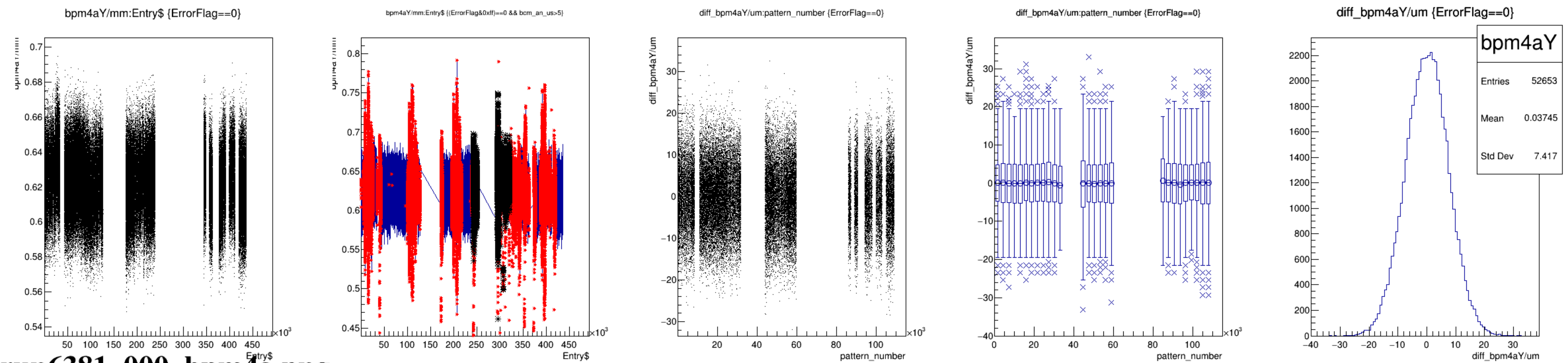
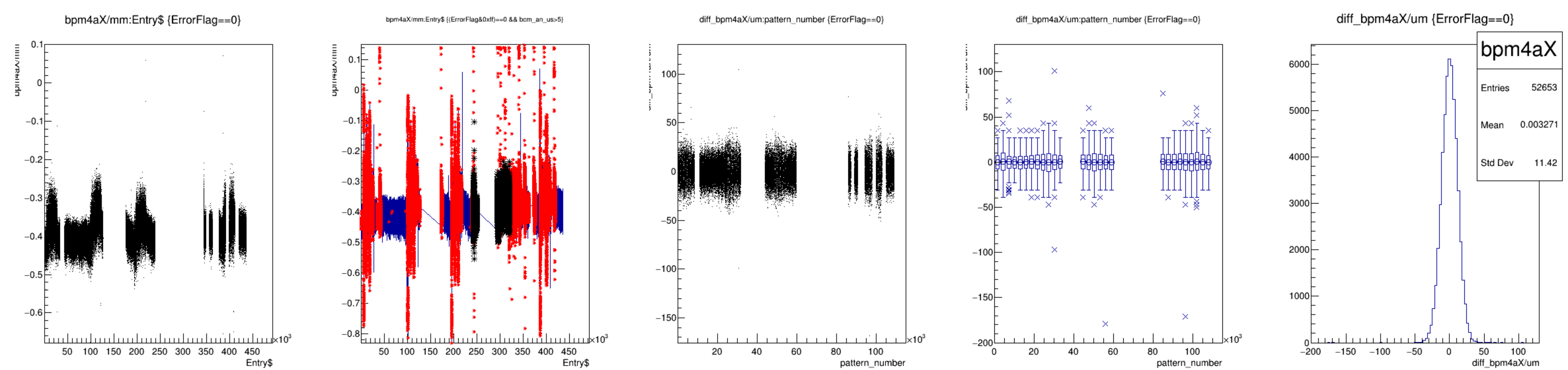
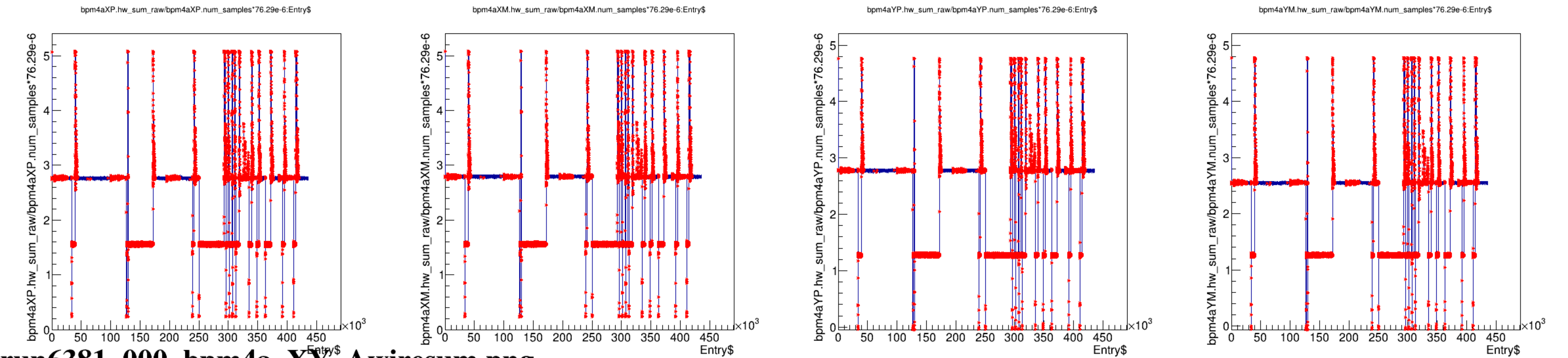
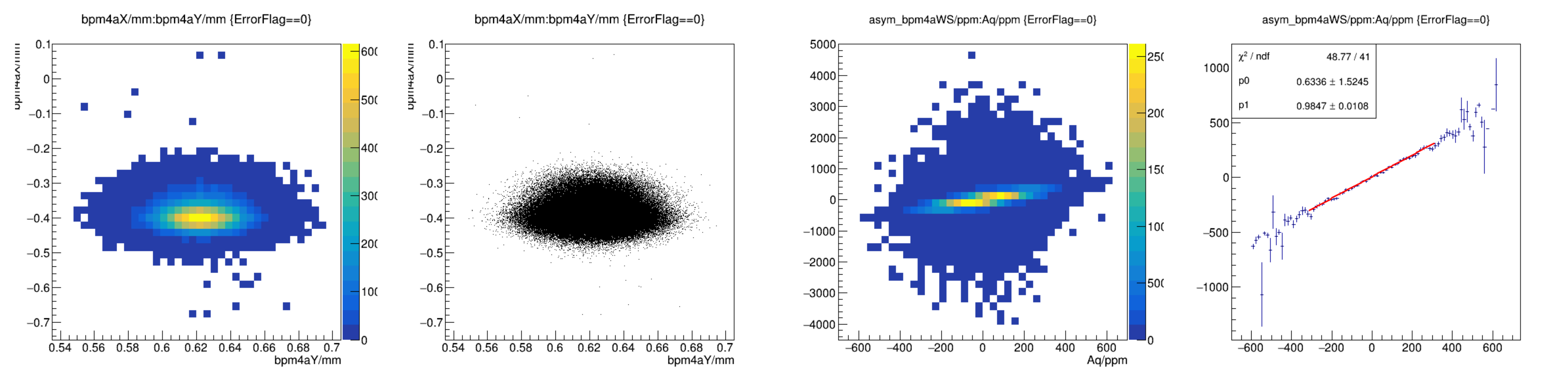
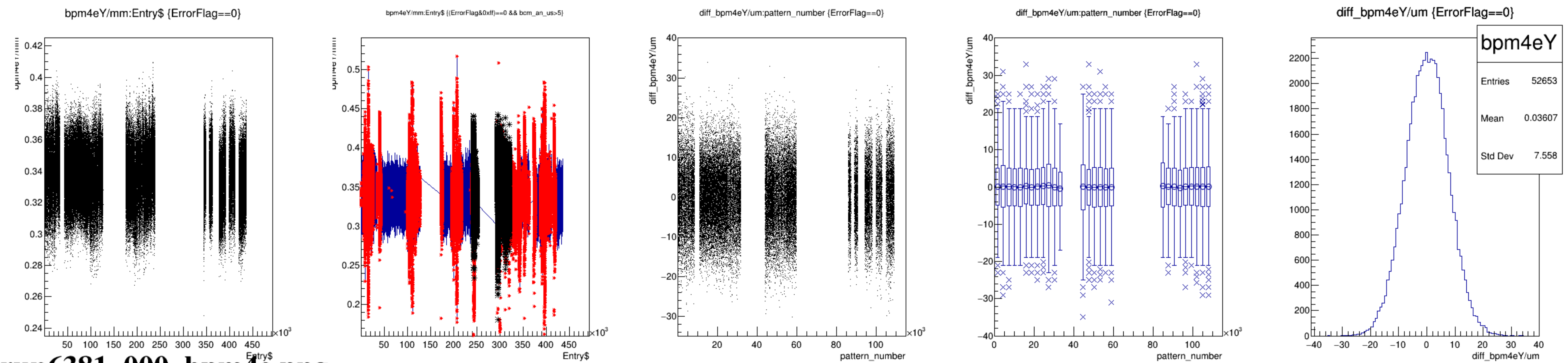
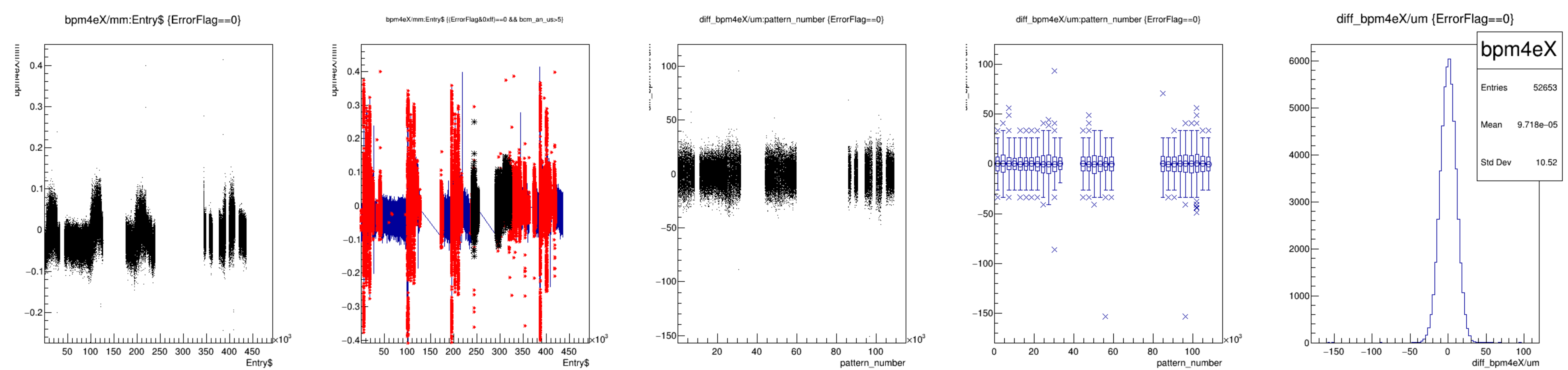
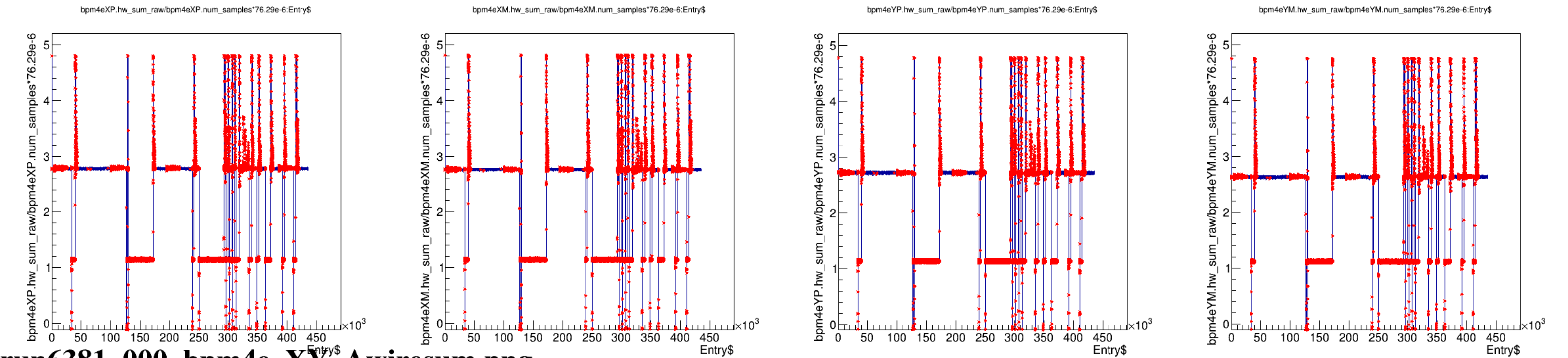
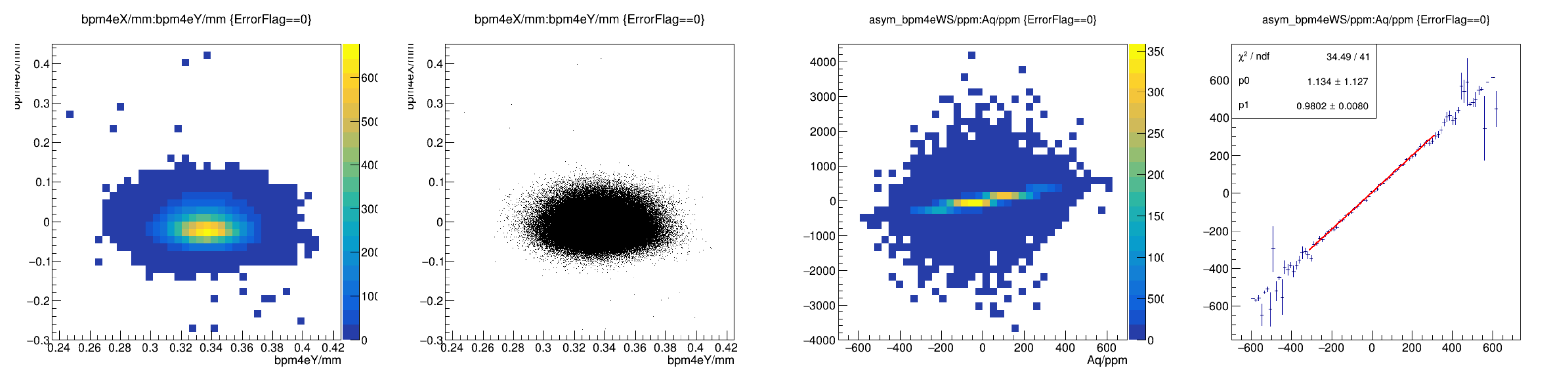
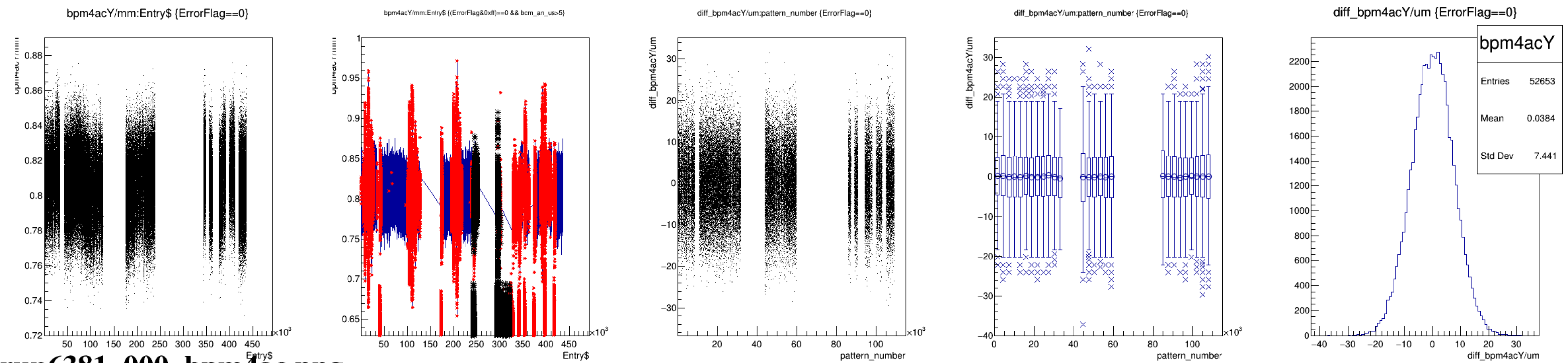
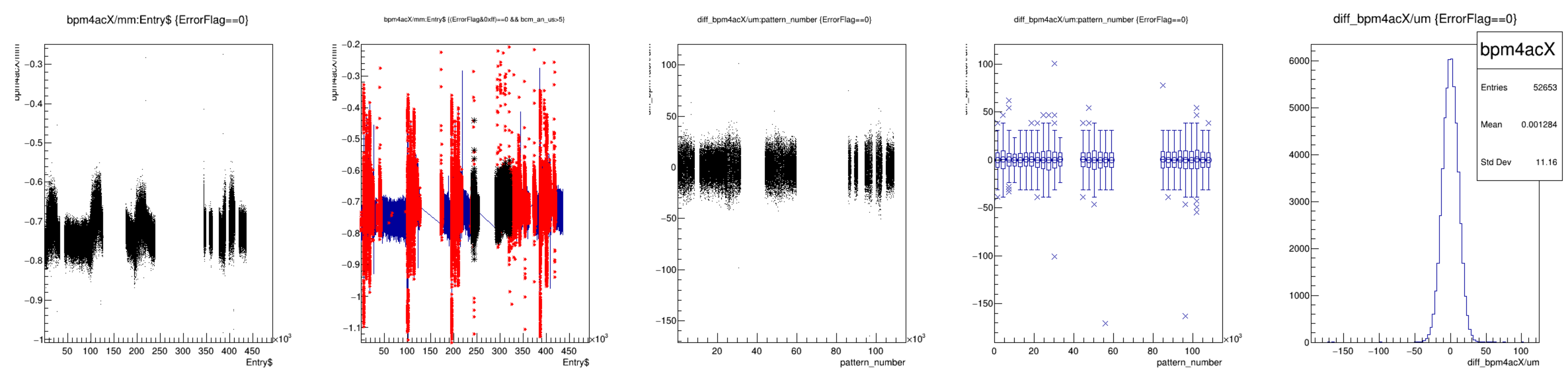


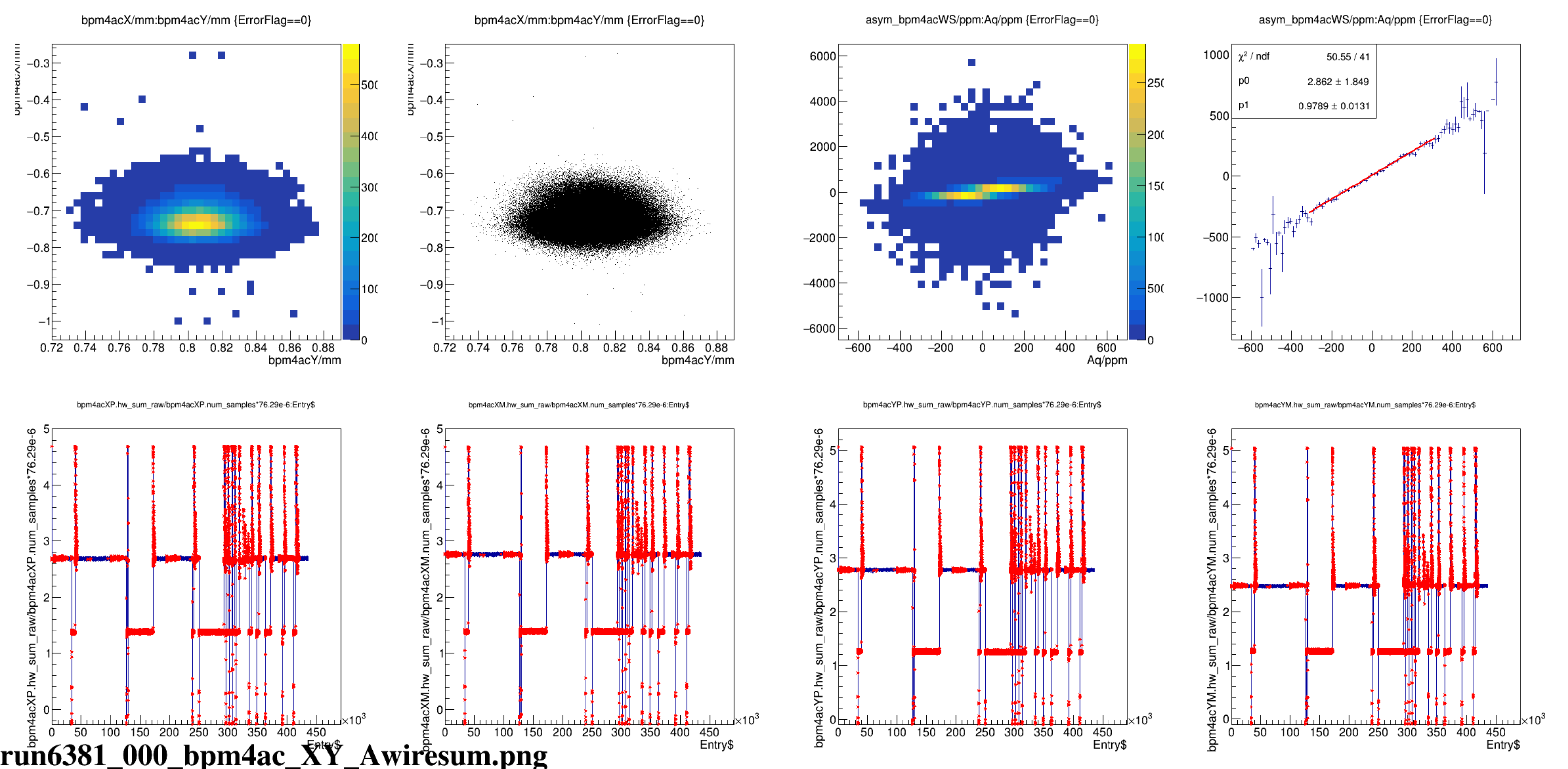


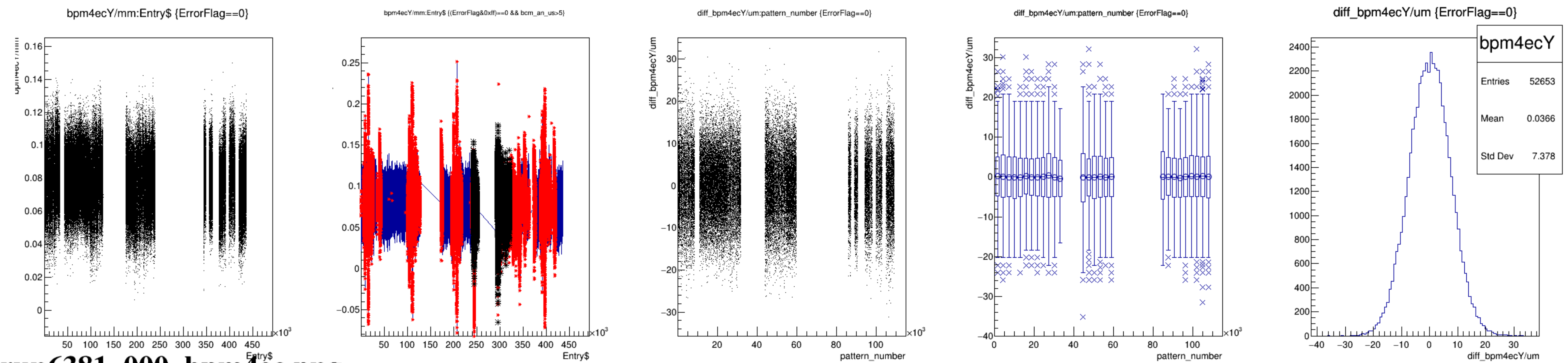
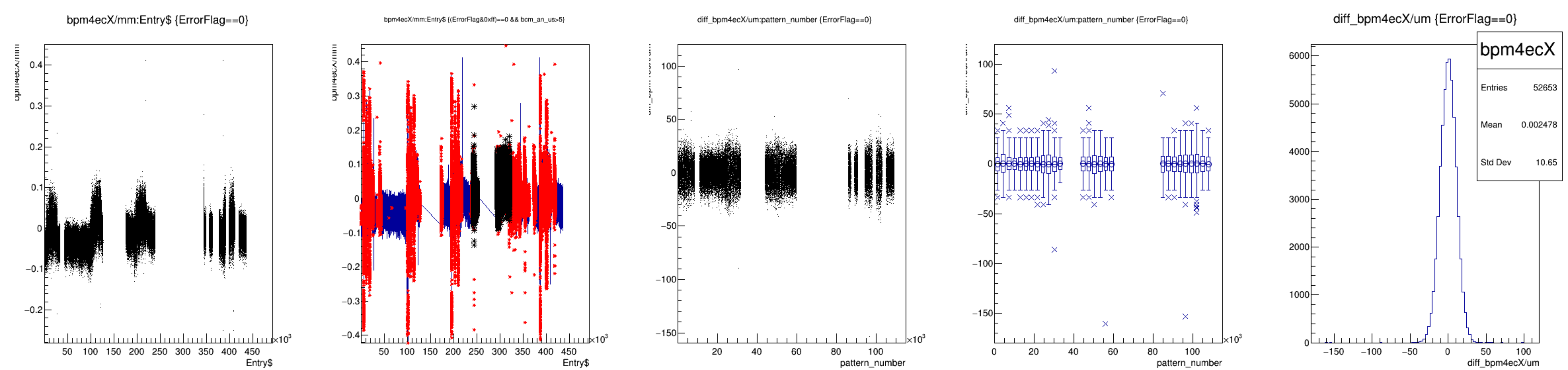


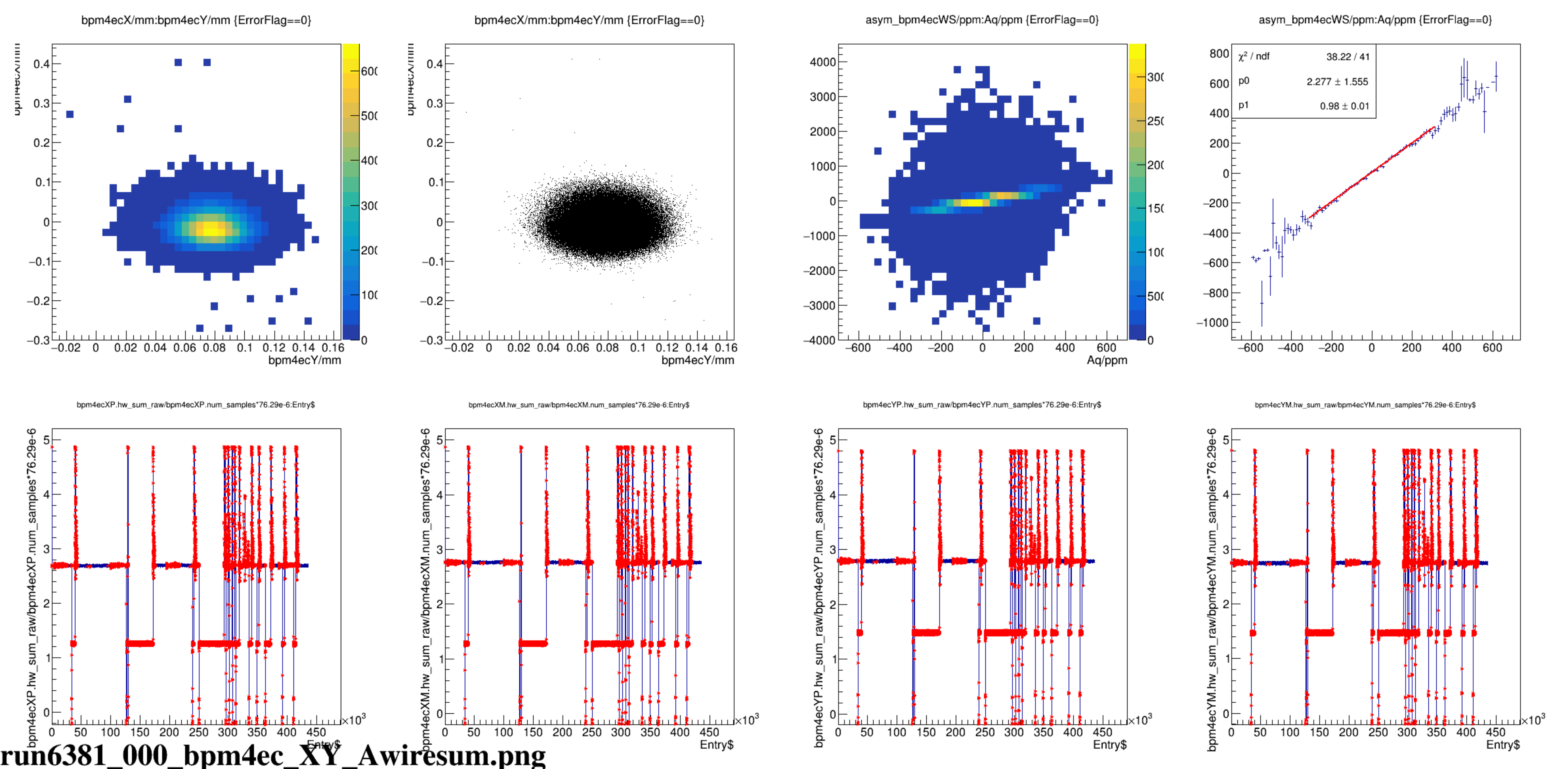


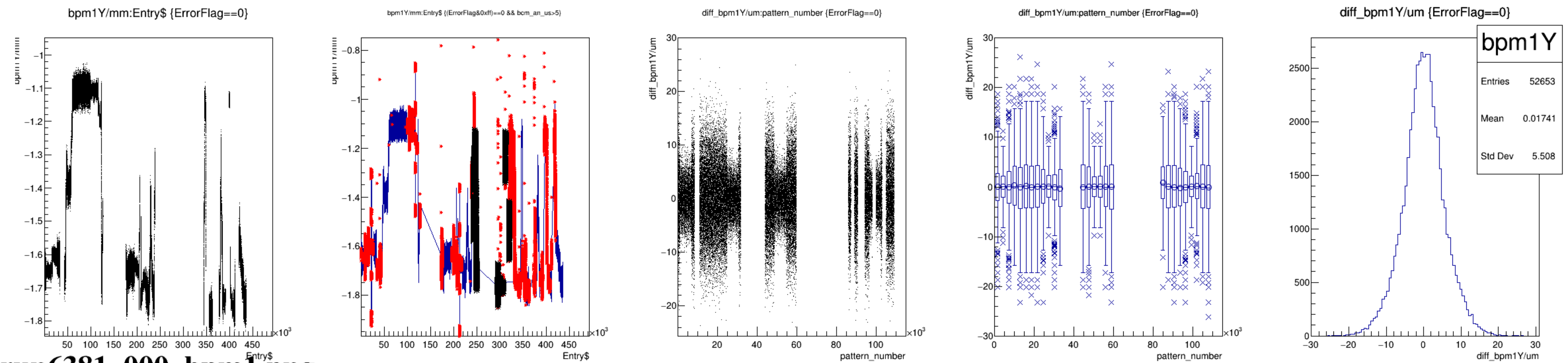
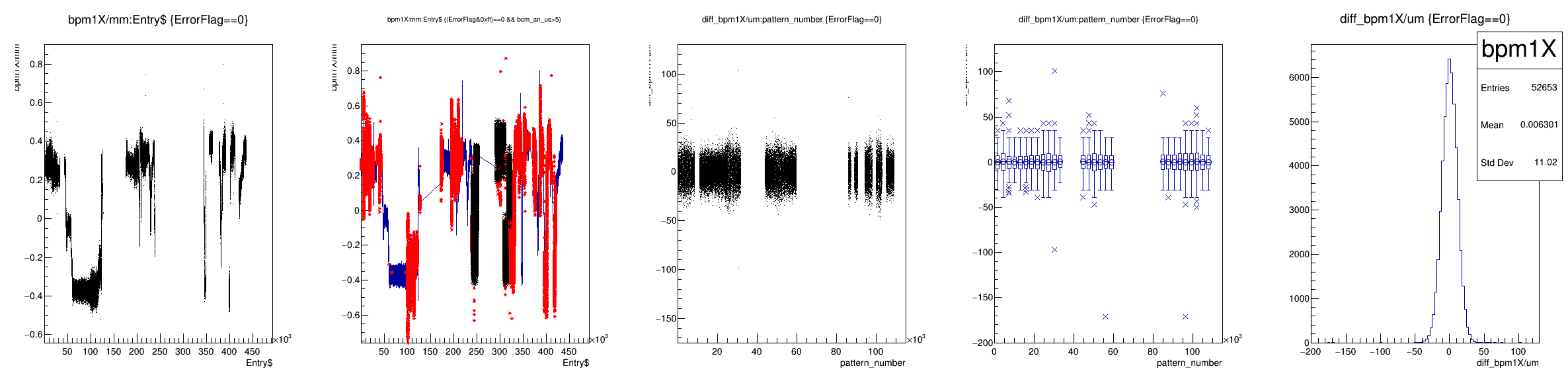


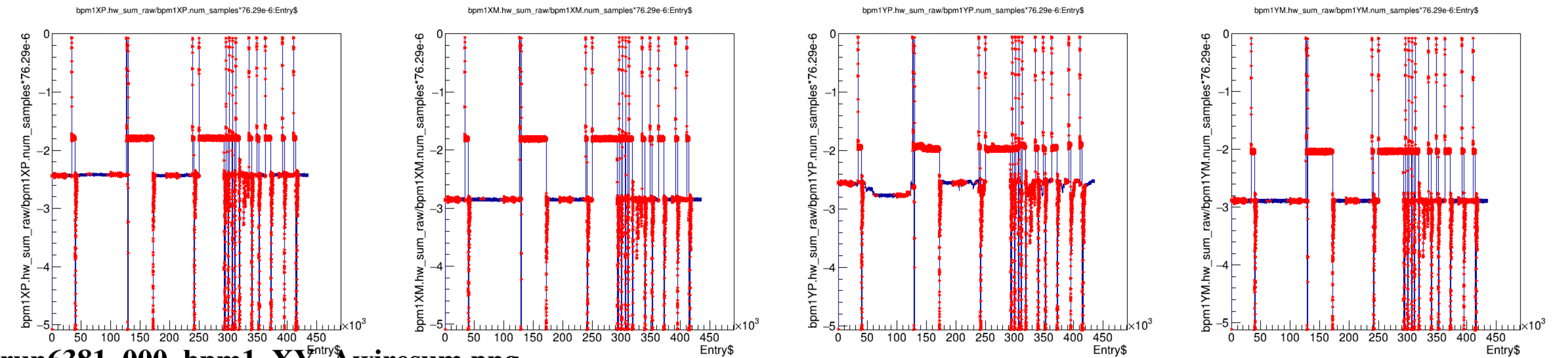
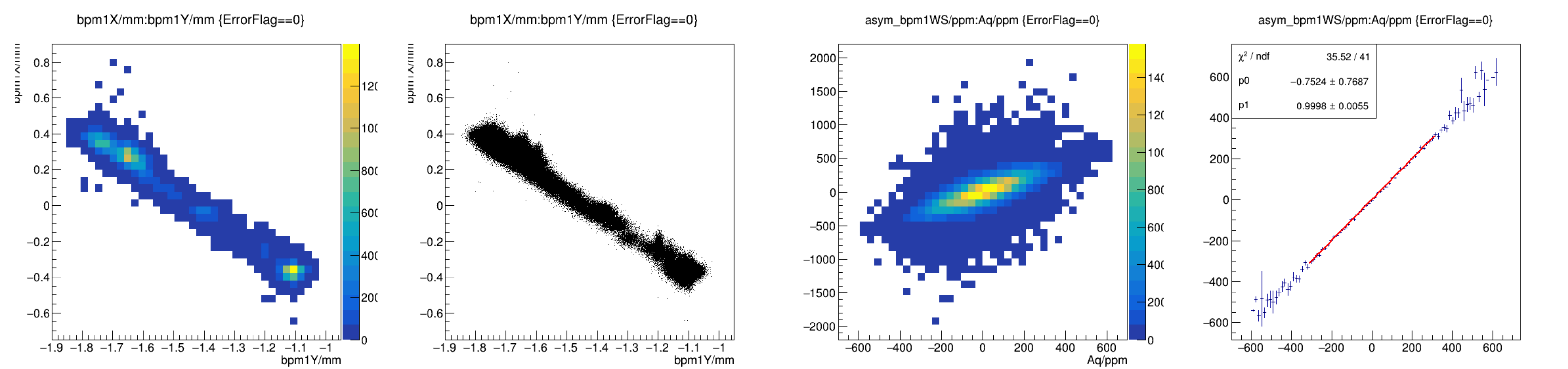




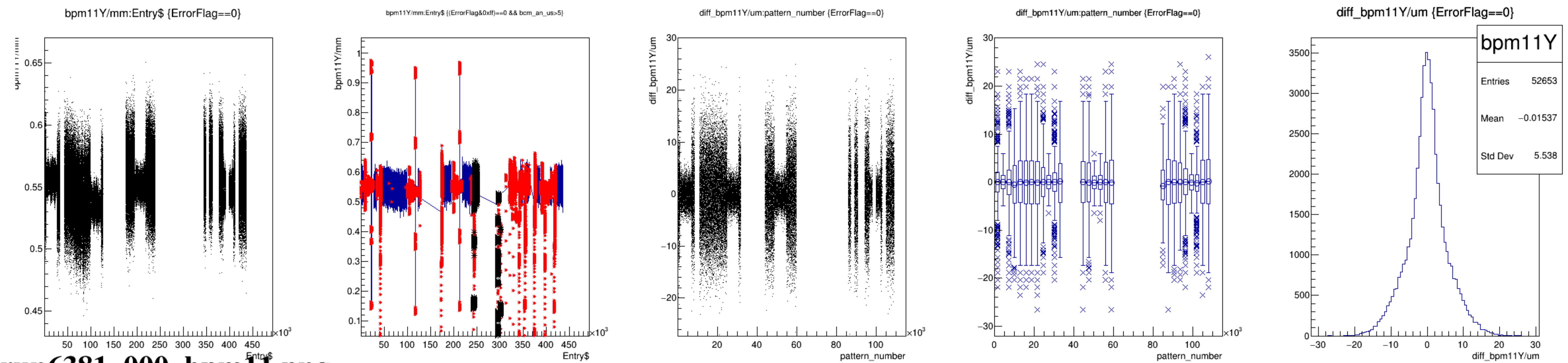
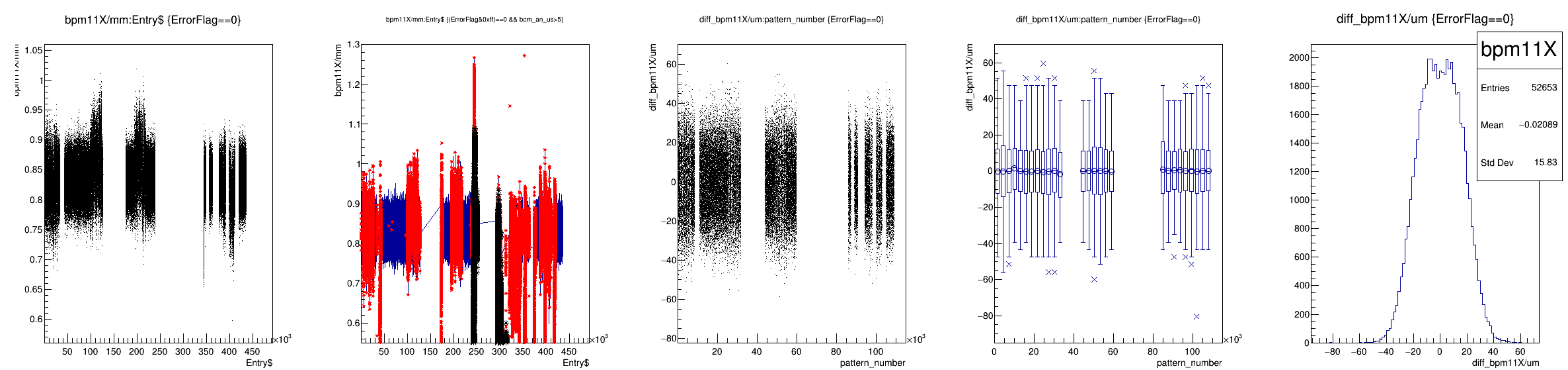


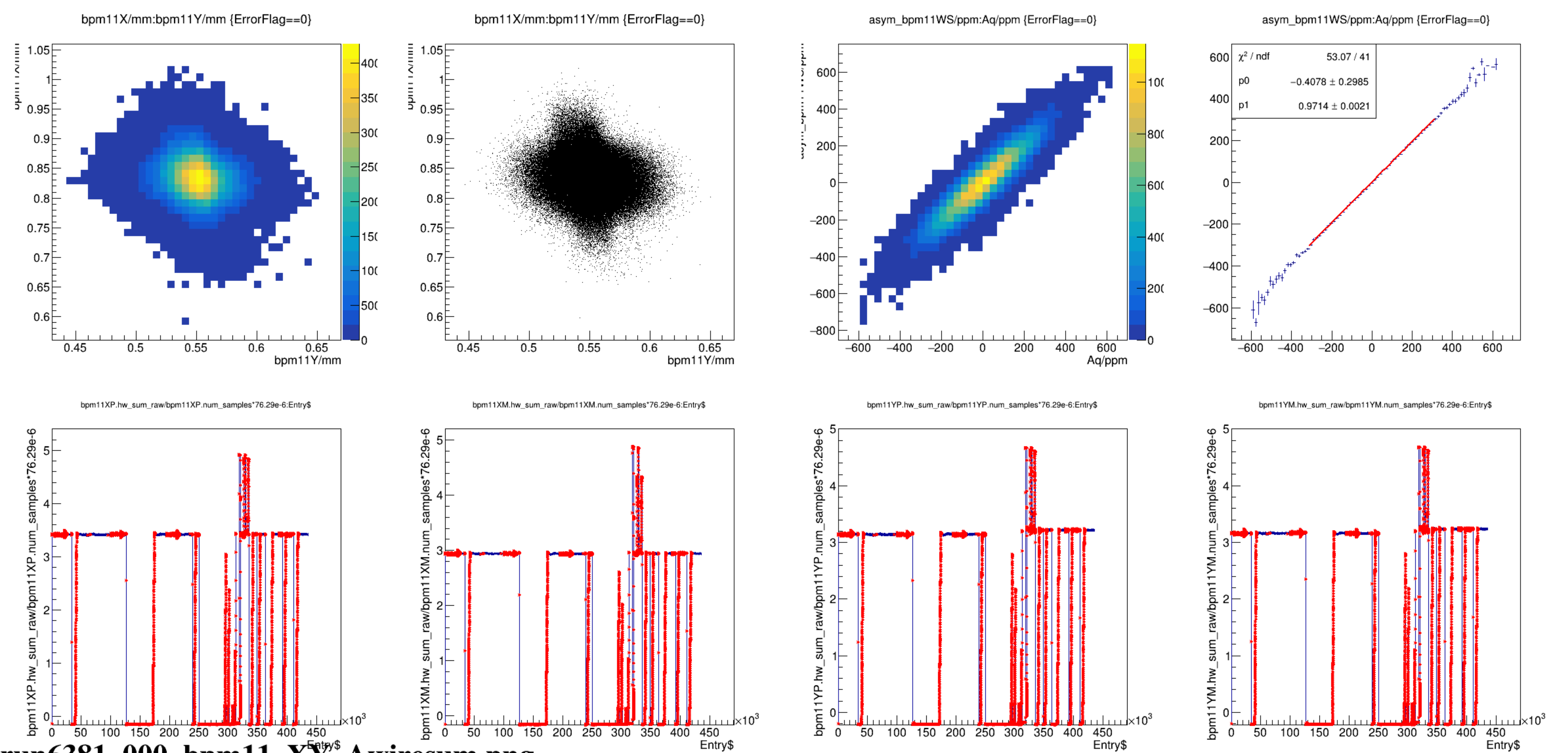


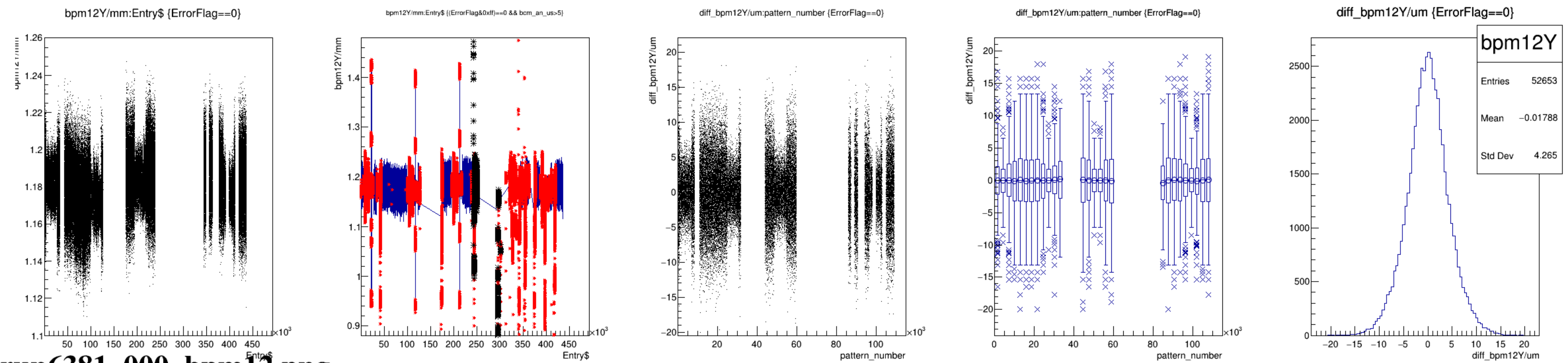
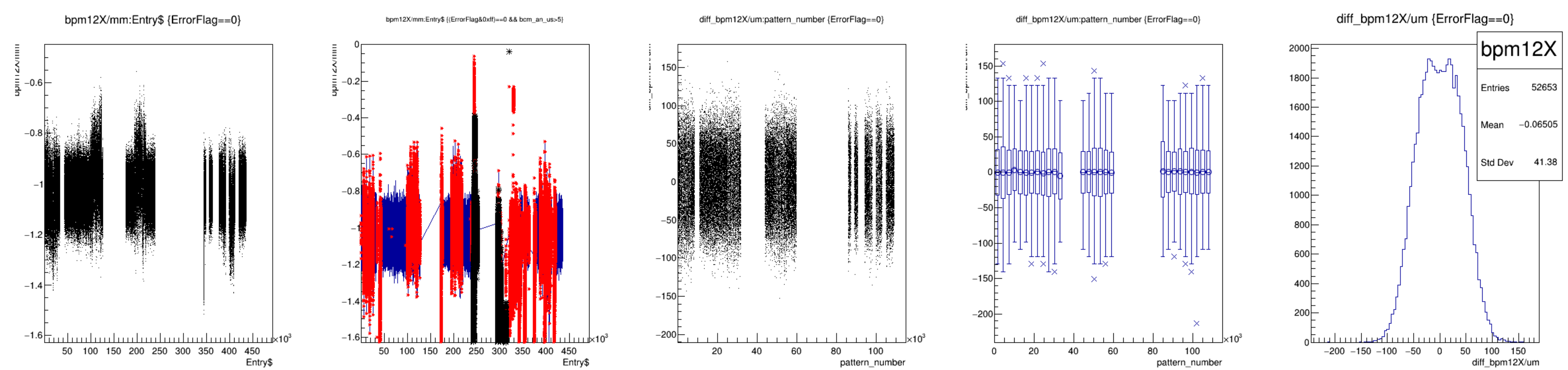


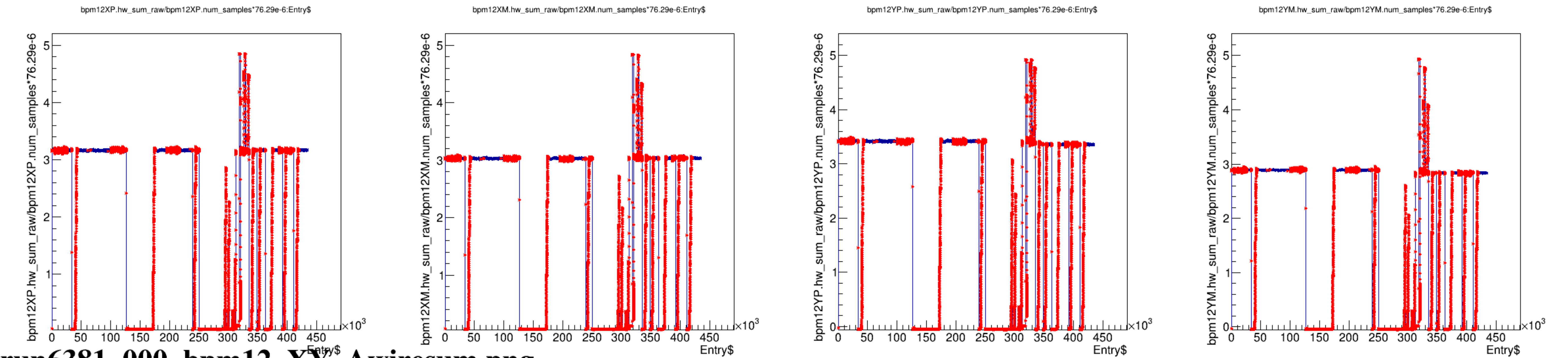
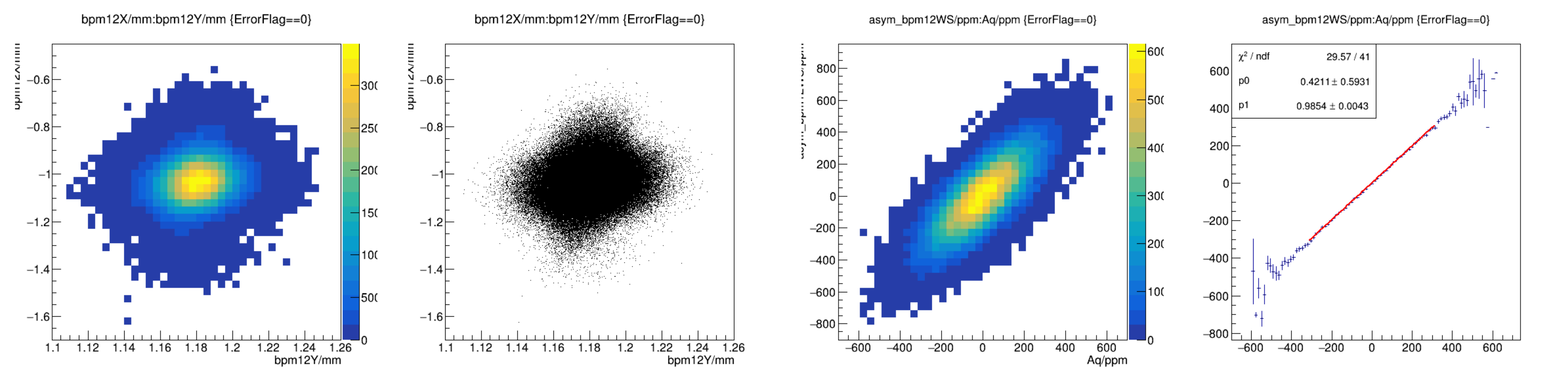


run6381_000_bpm1_XY_Awiresum.png

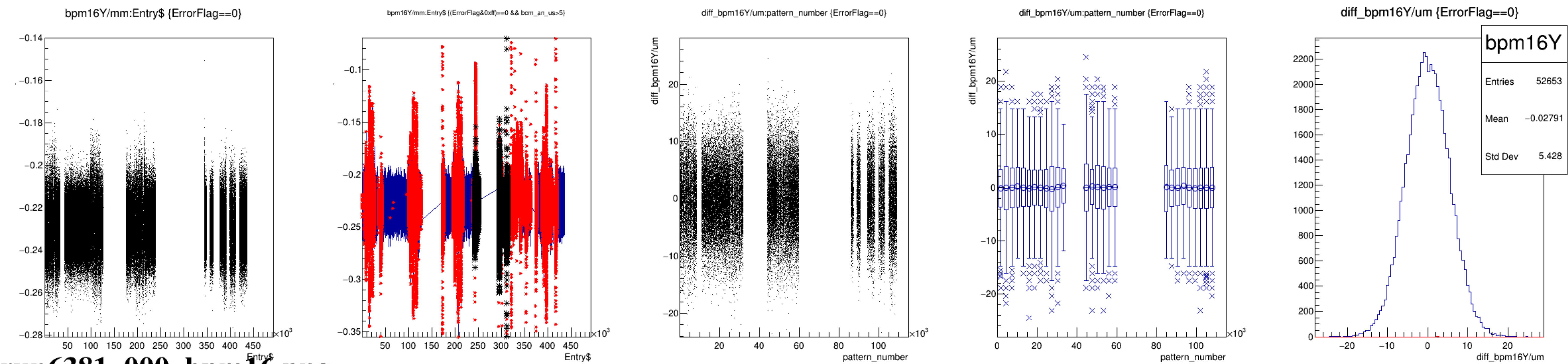
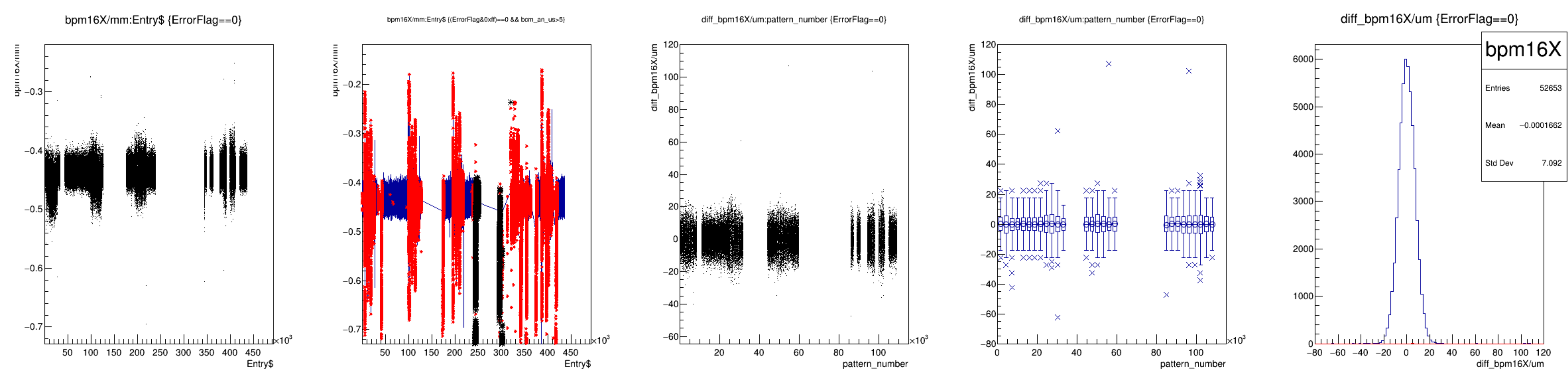


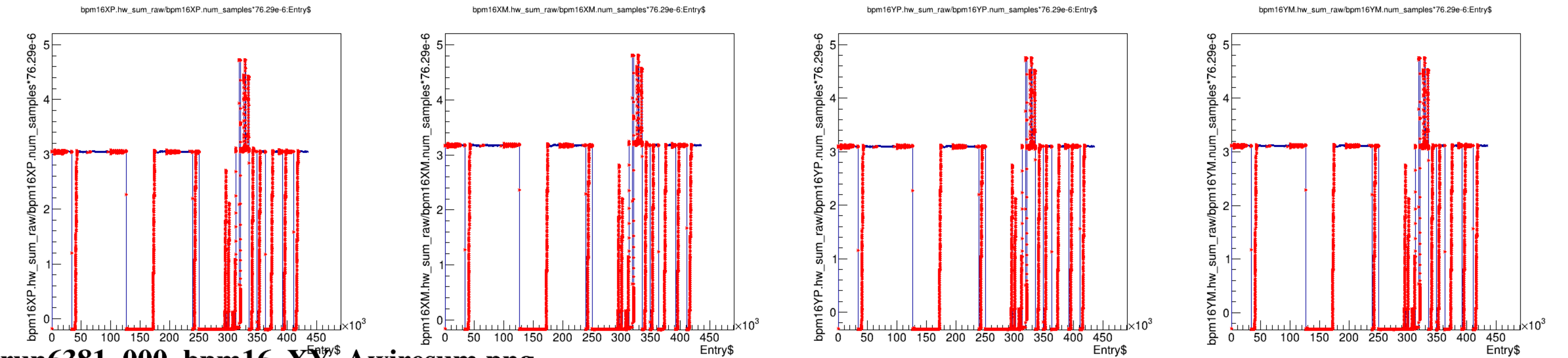
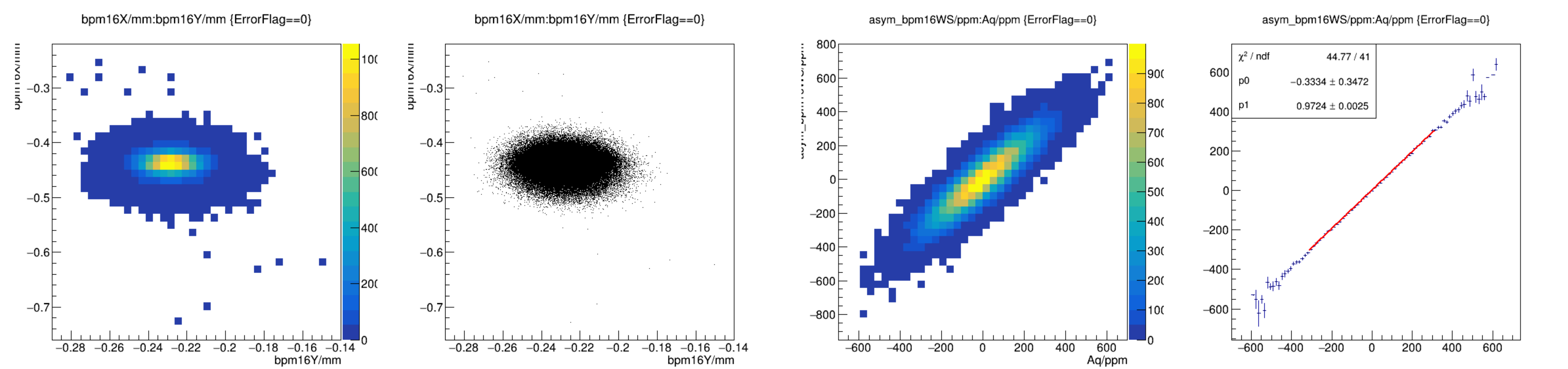


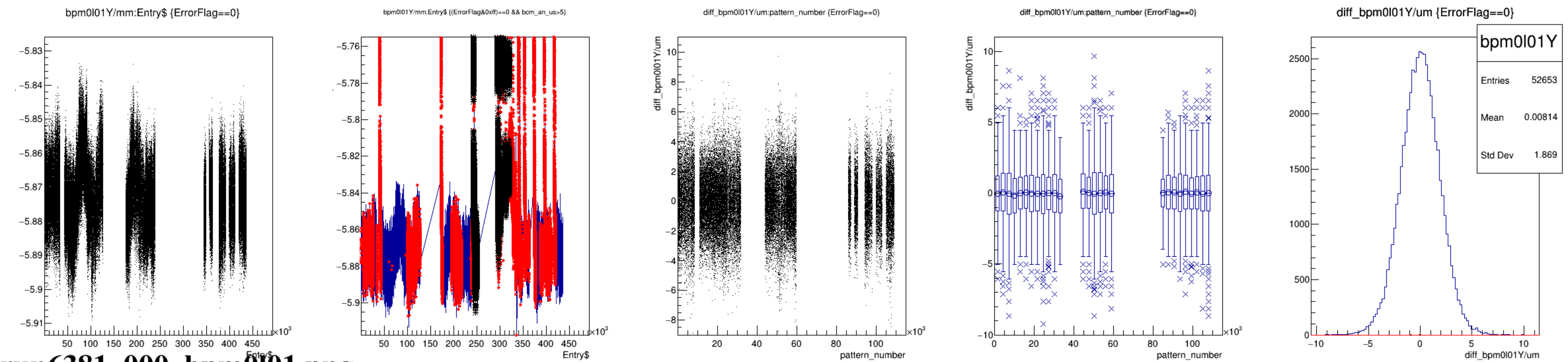
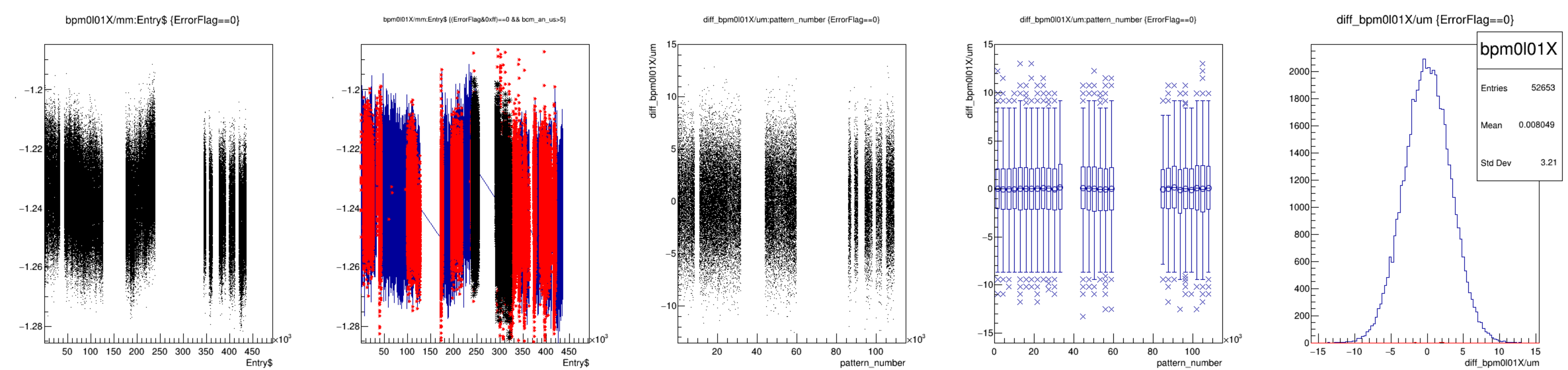




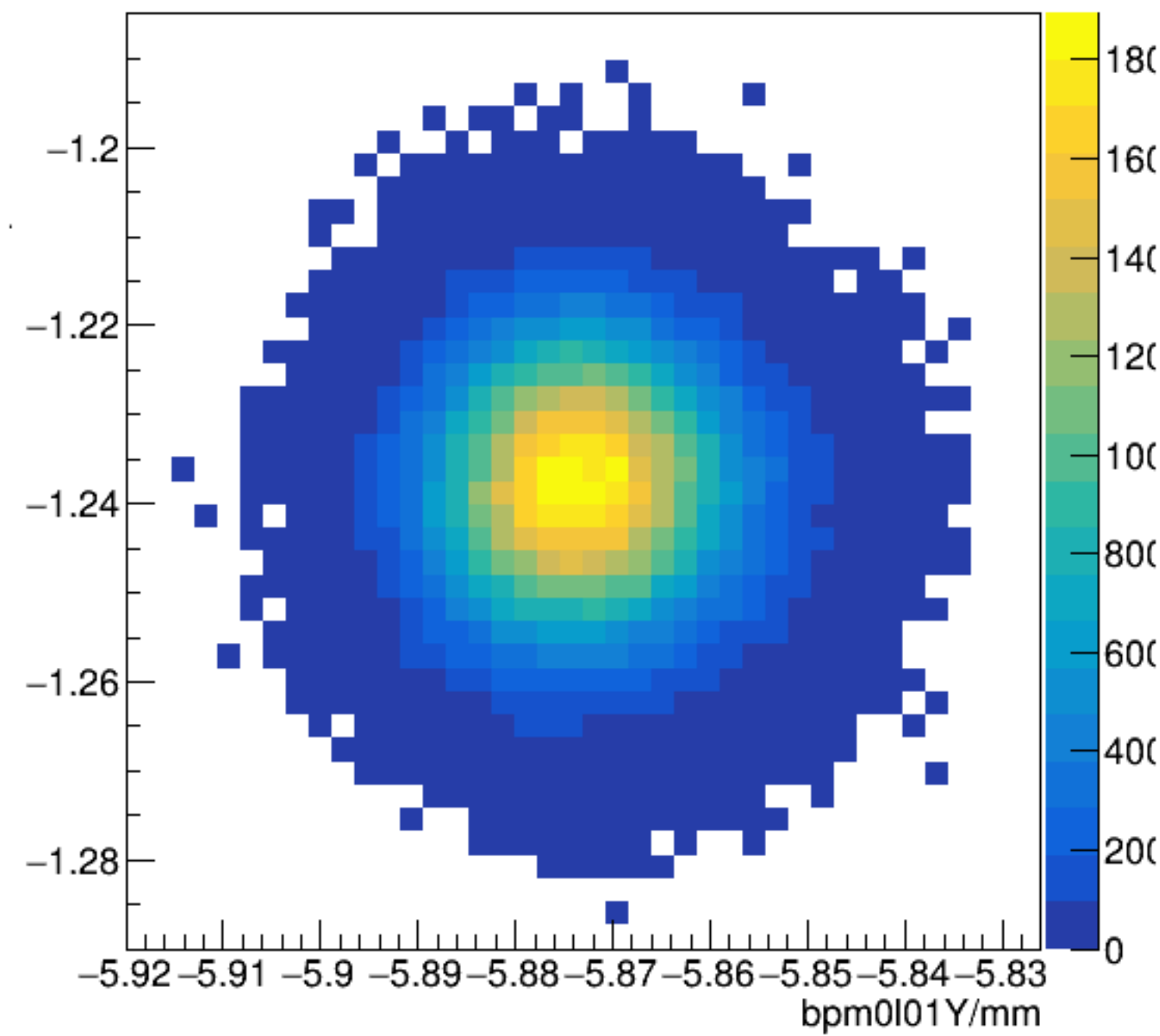
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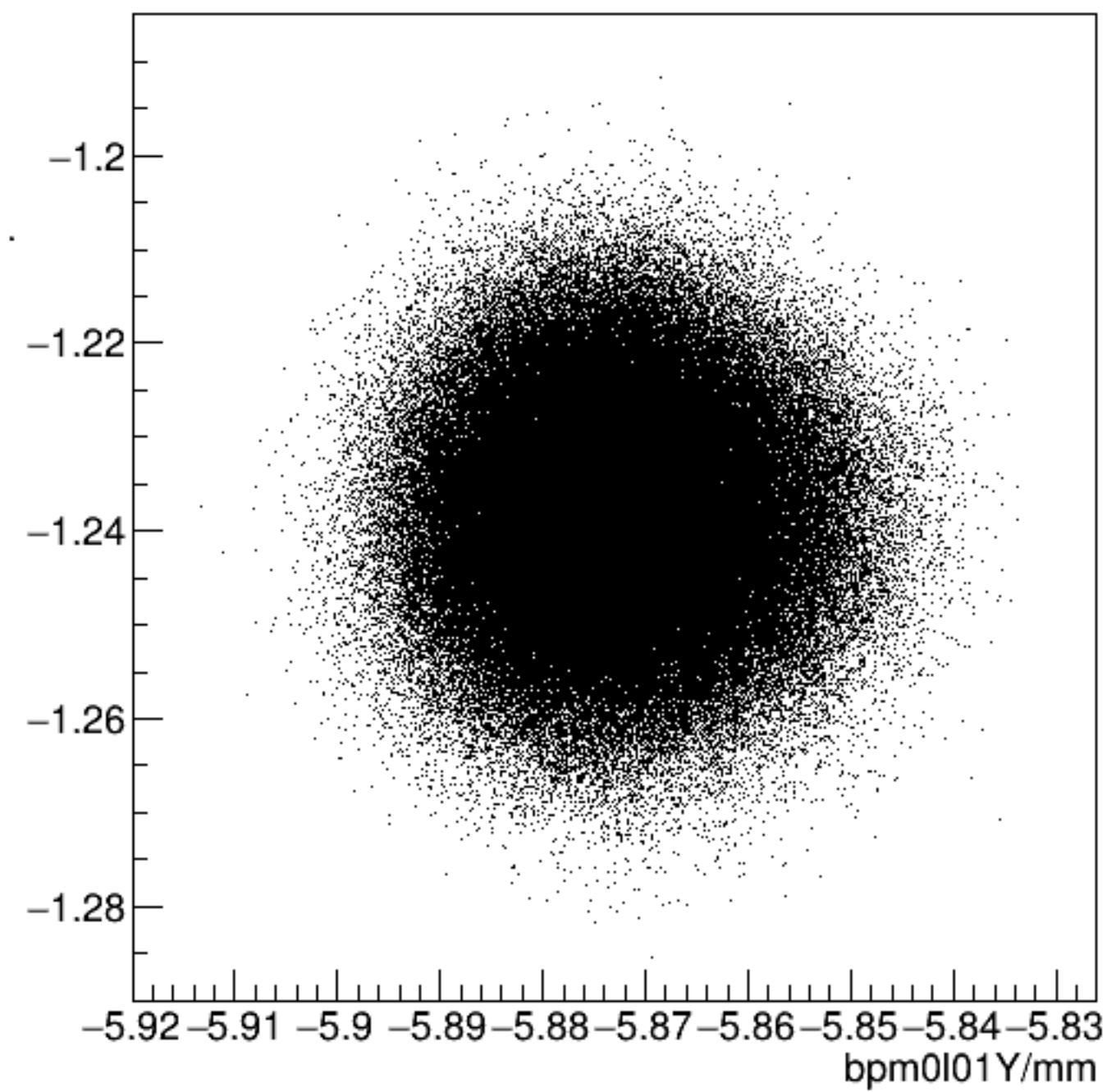




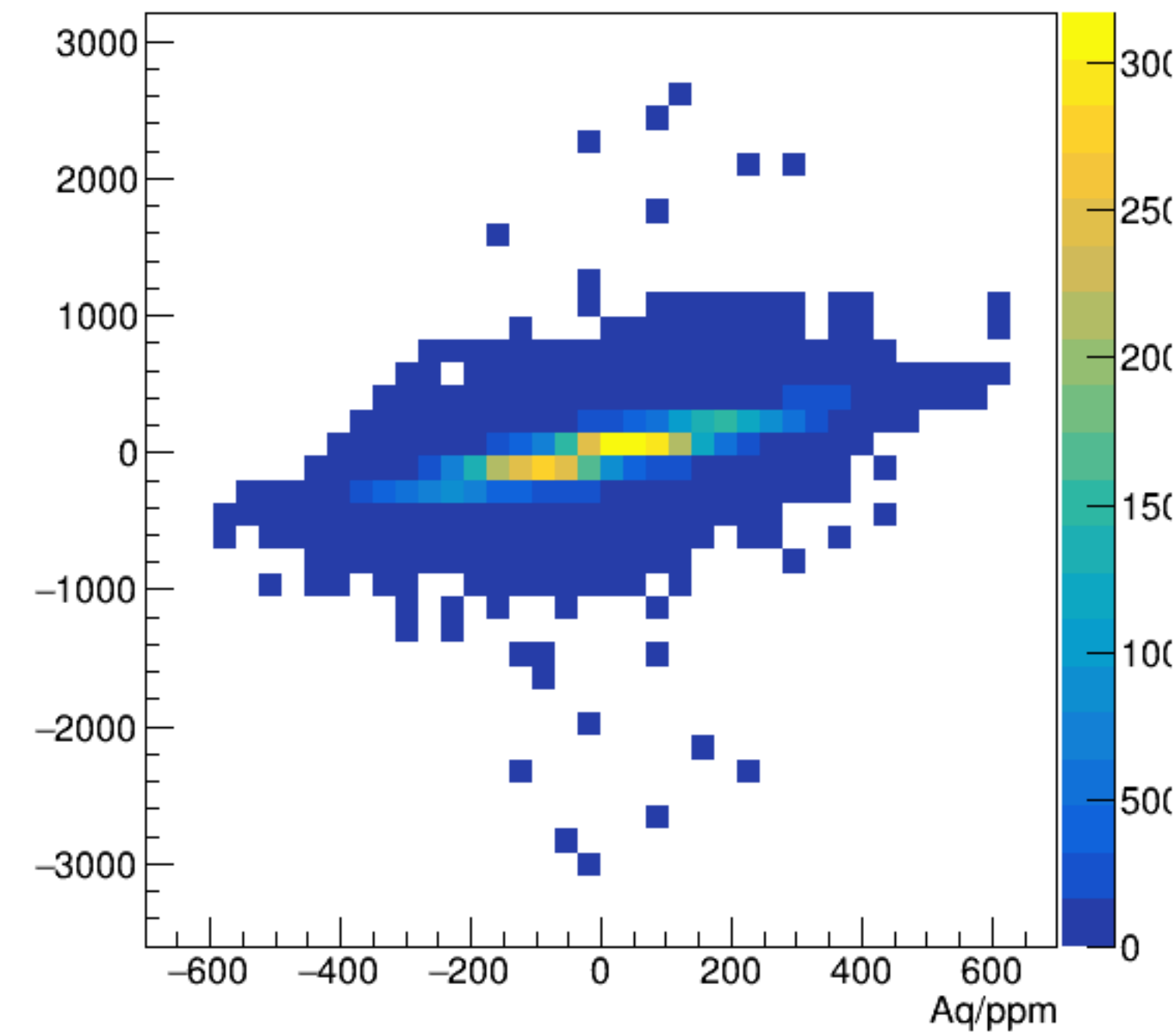
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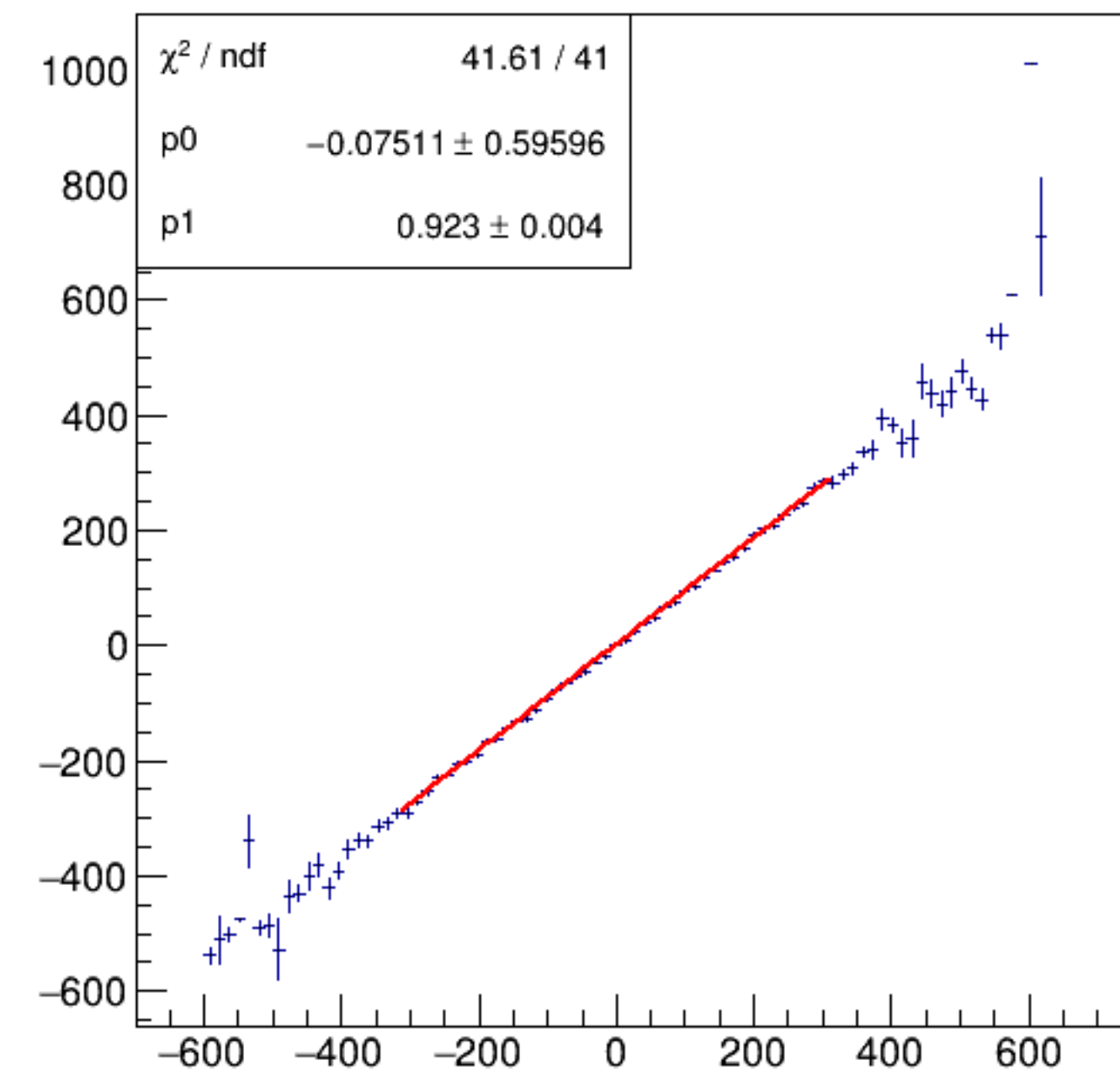
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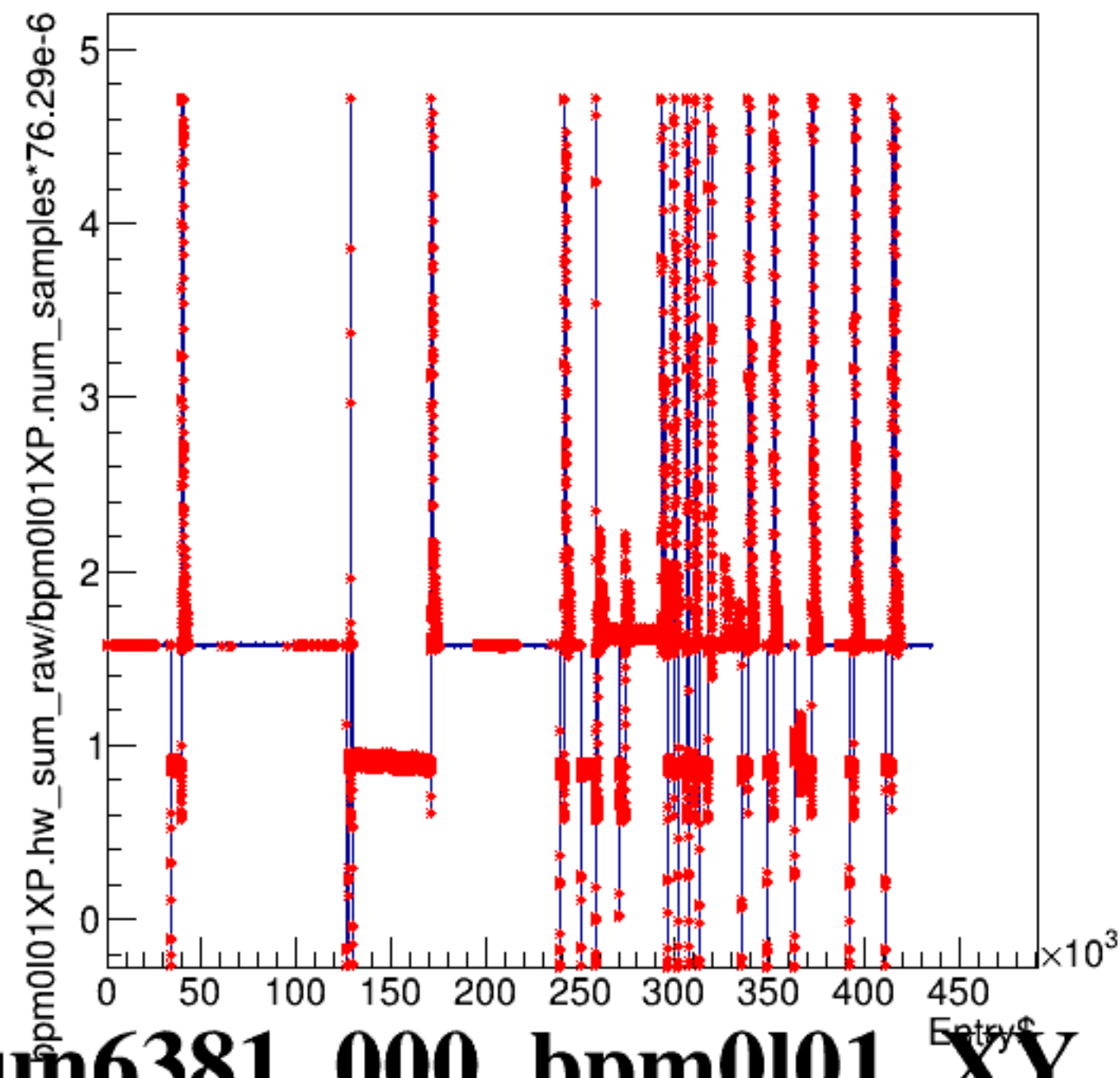
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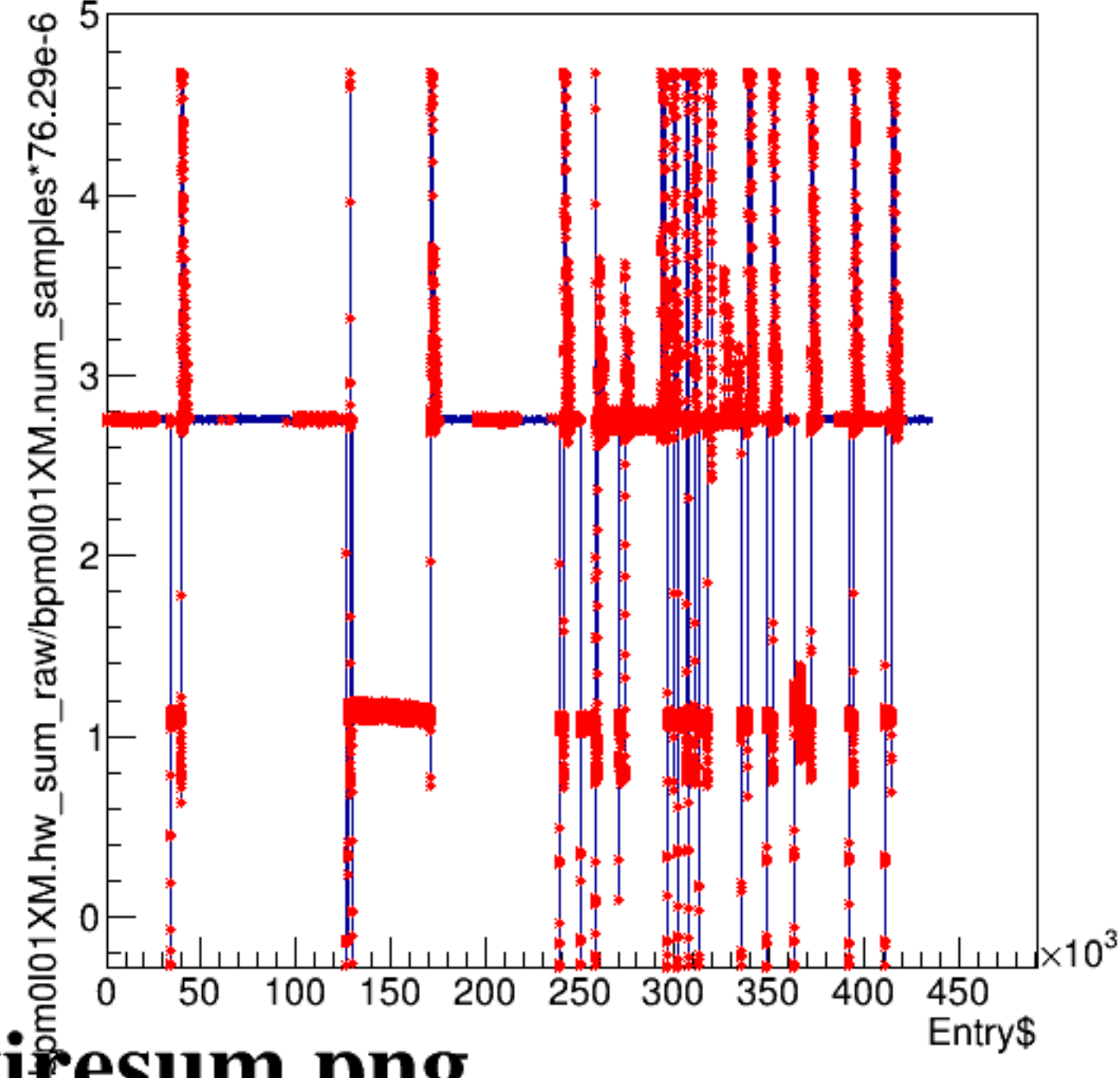
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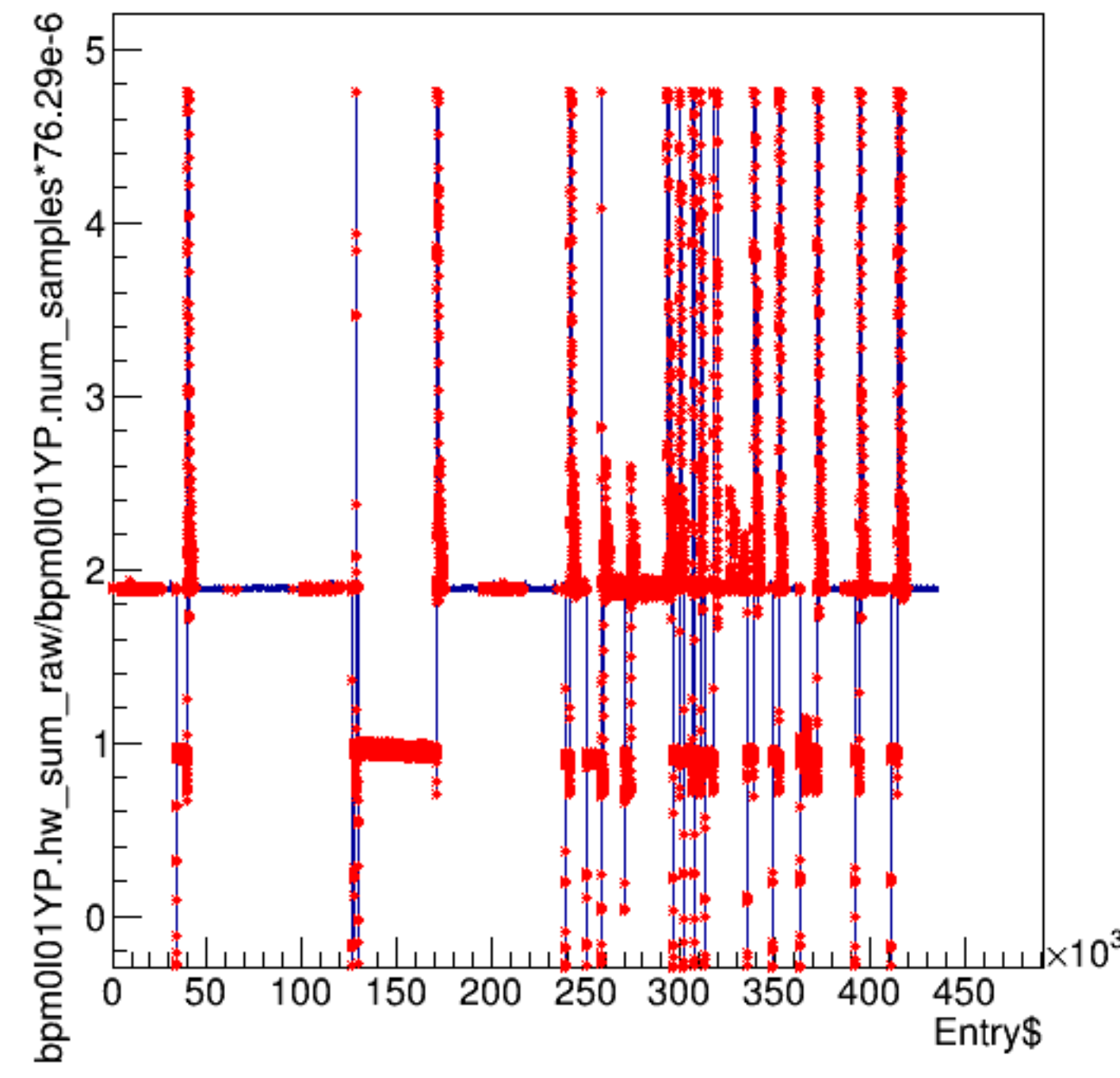
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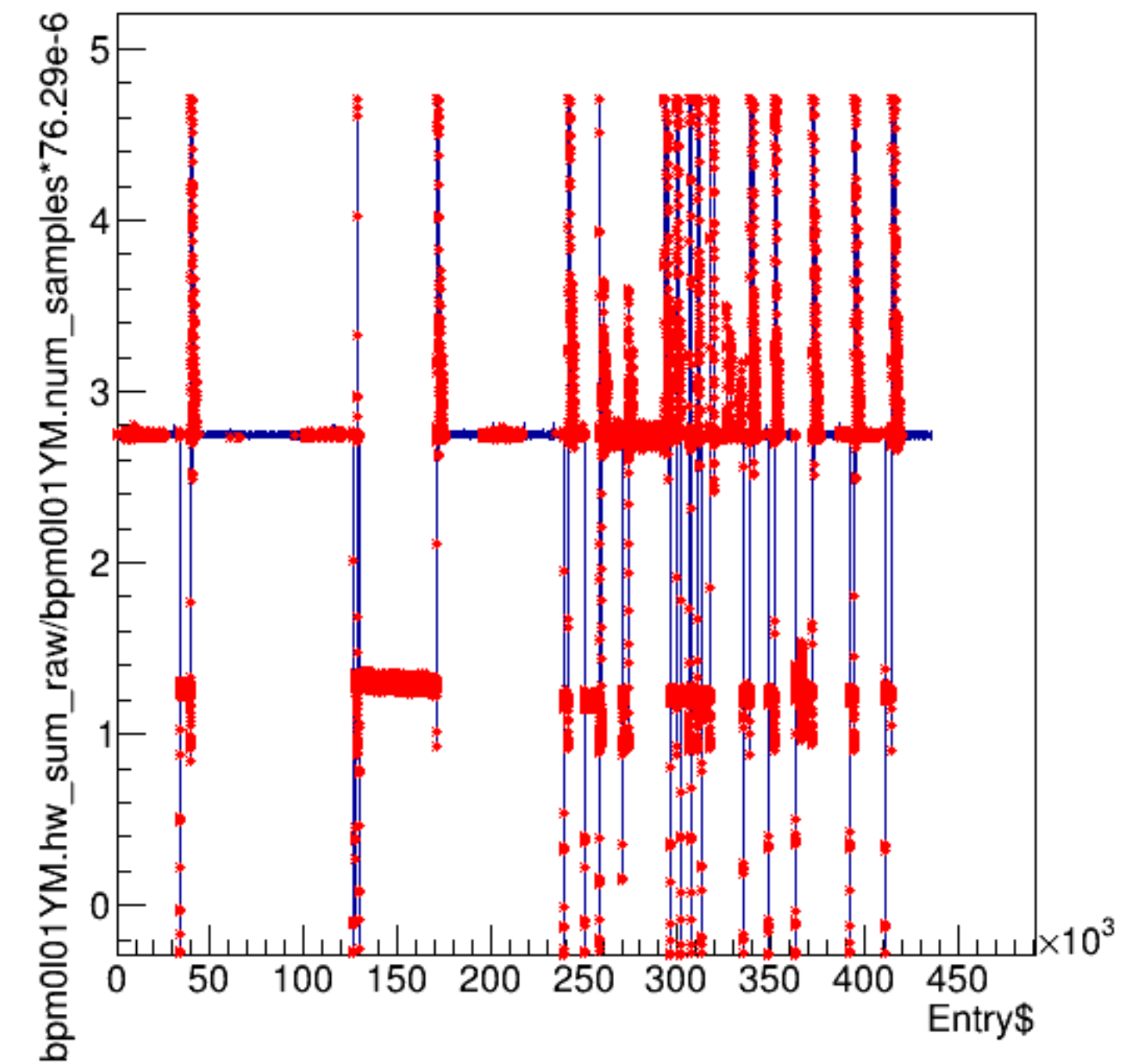
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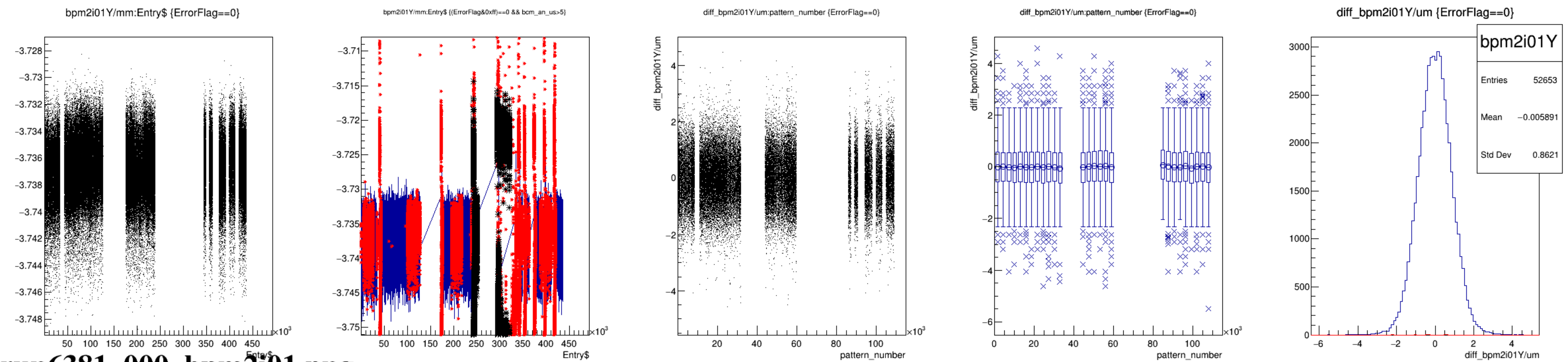
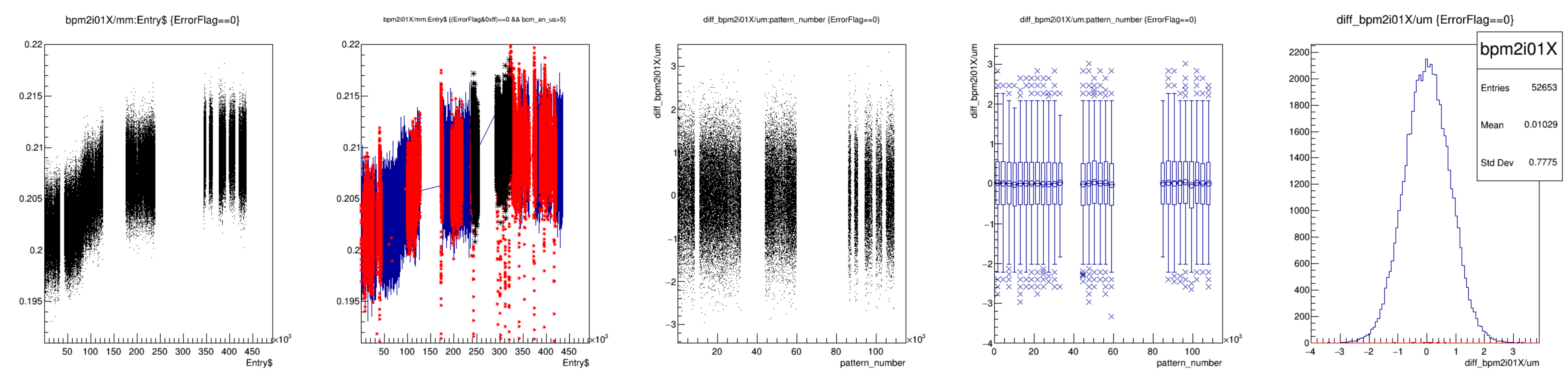


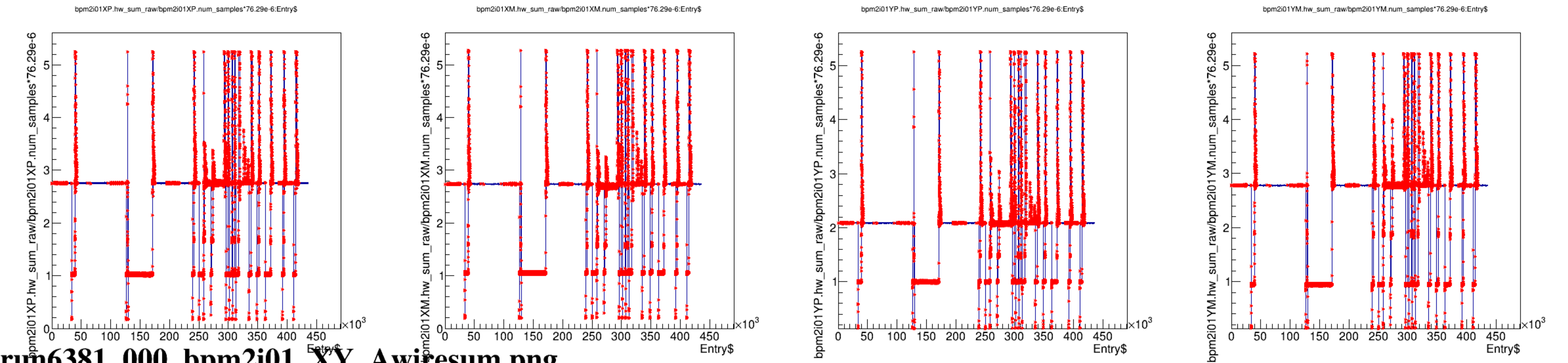
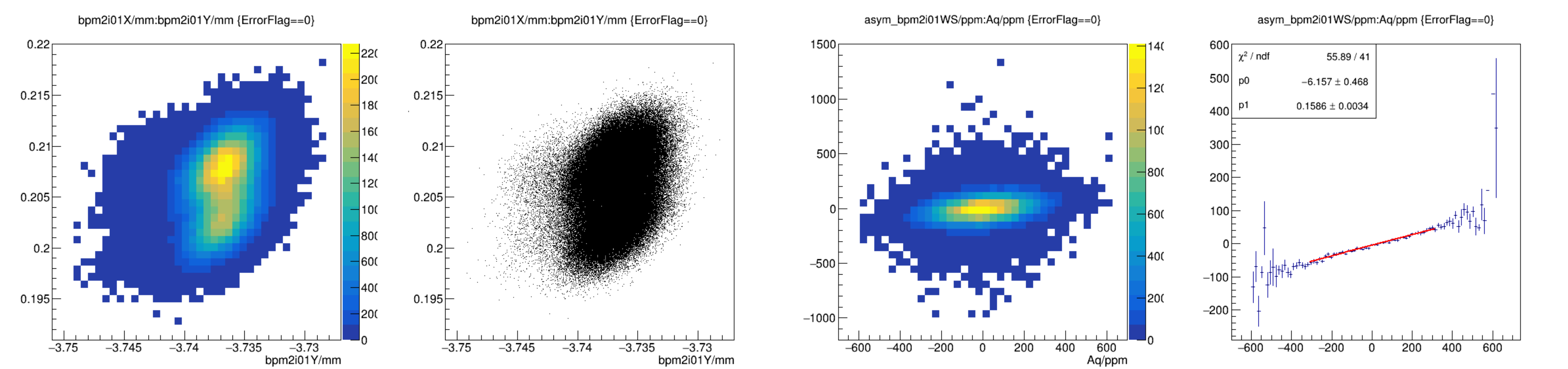
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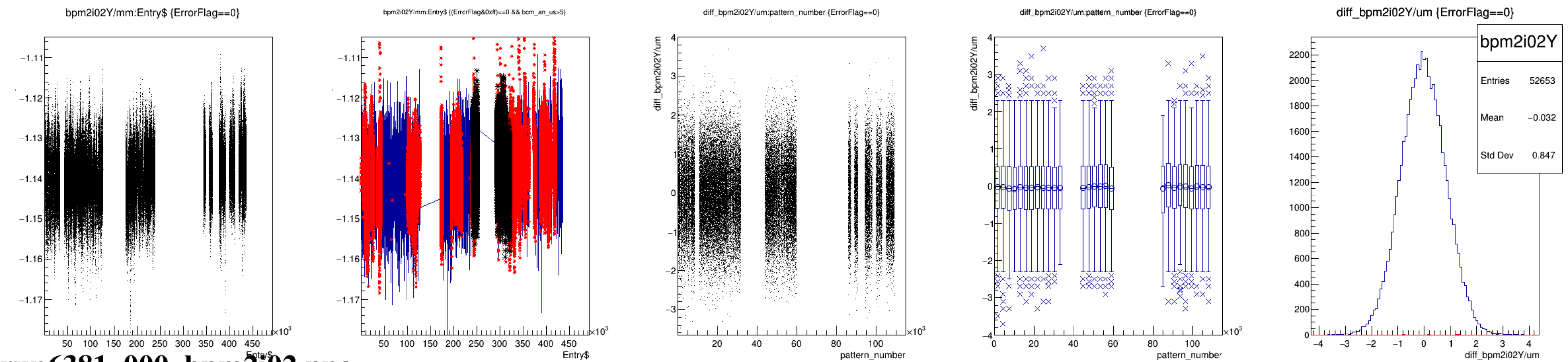
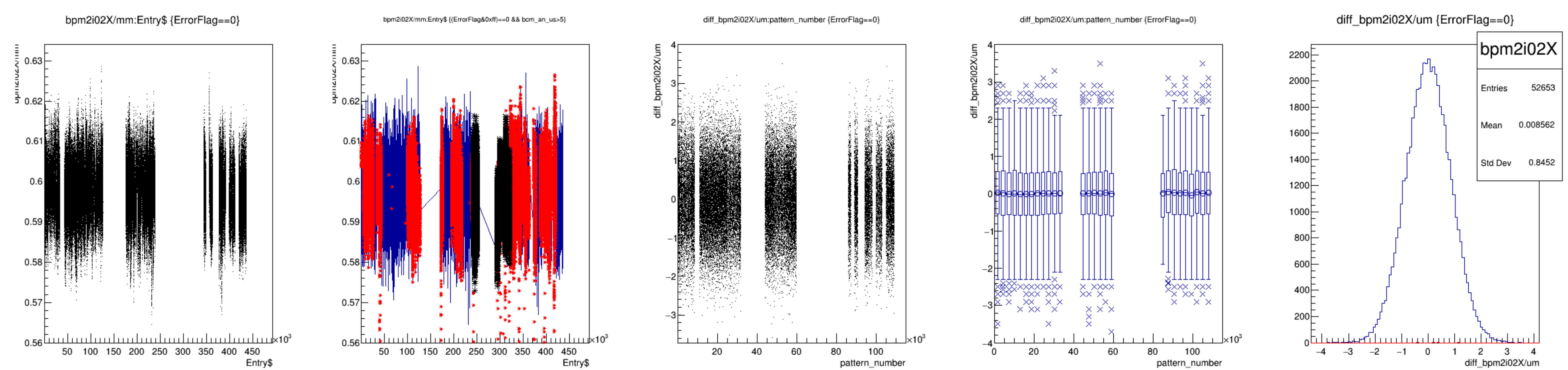


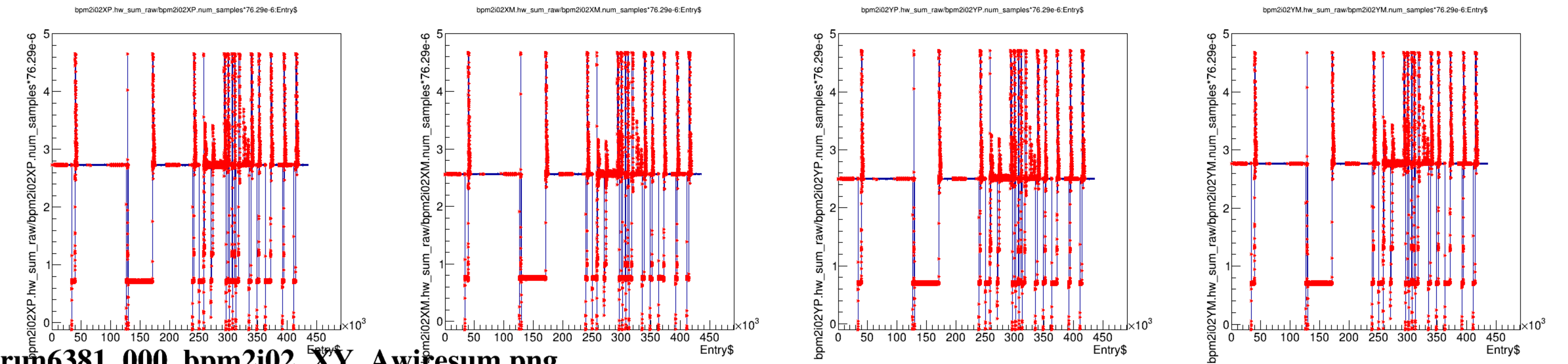
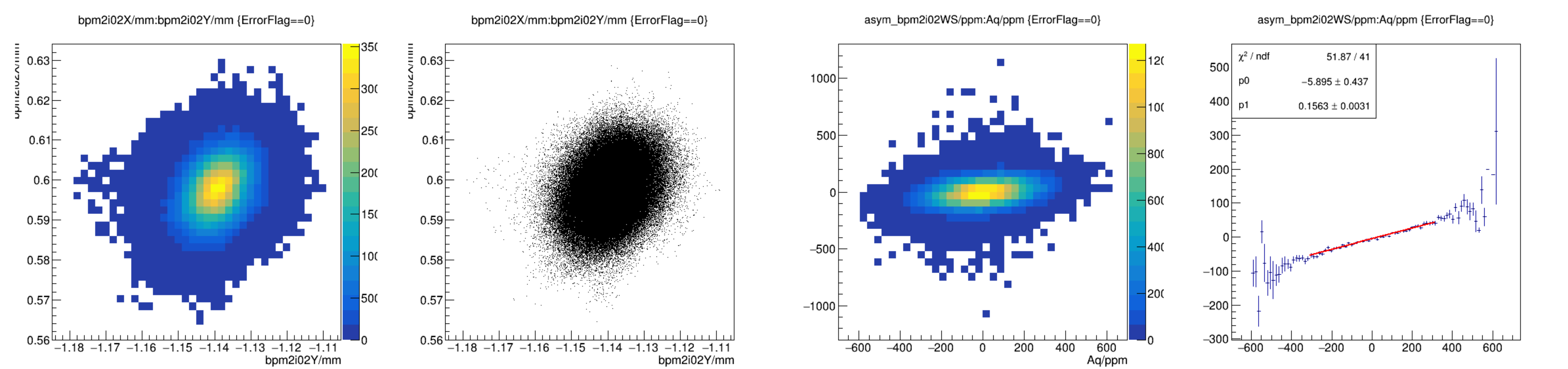
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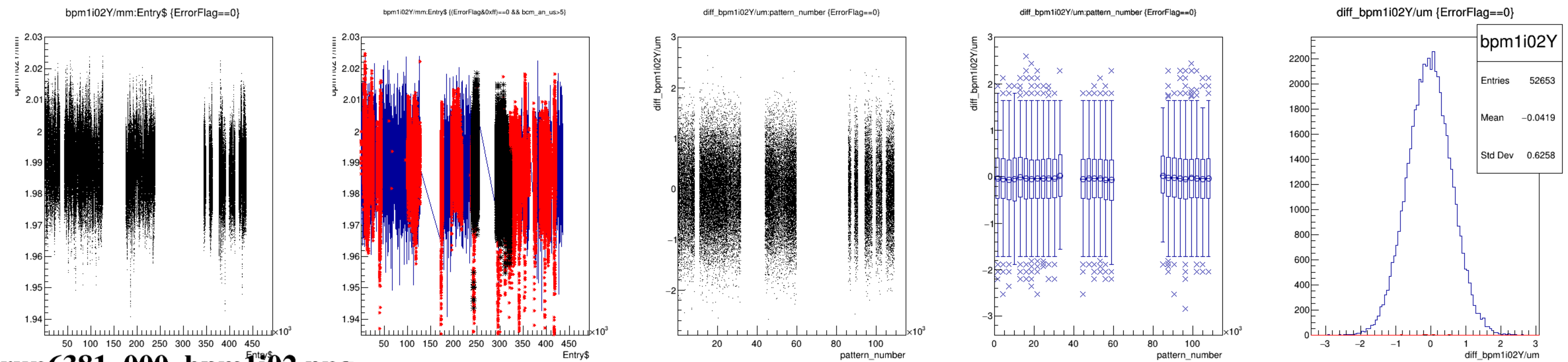
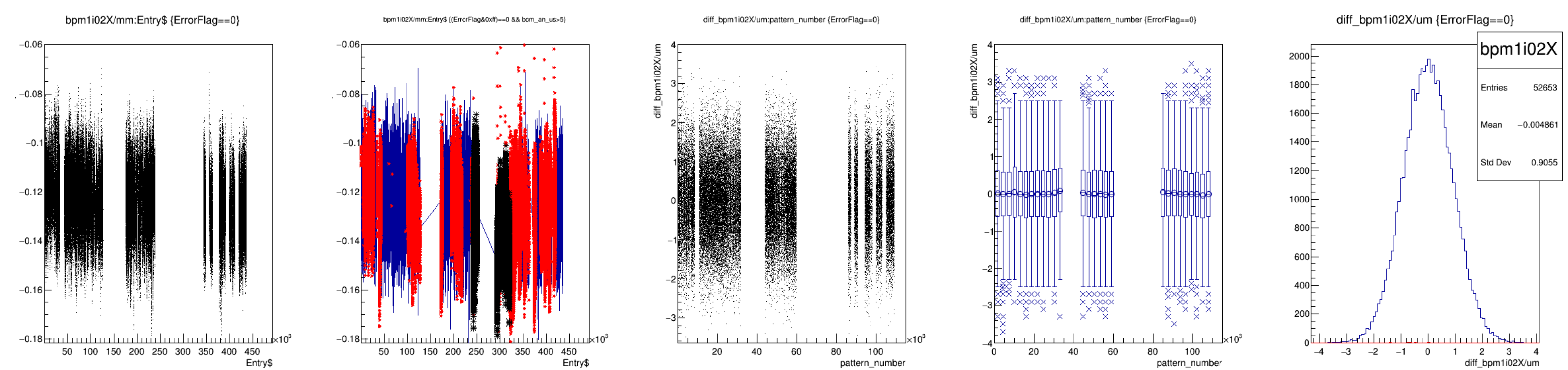


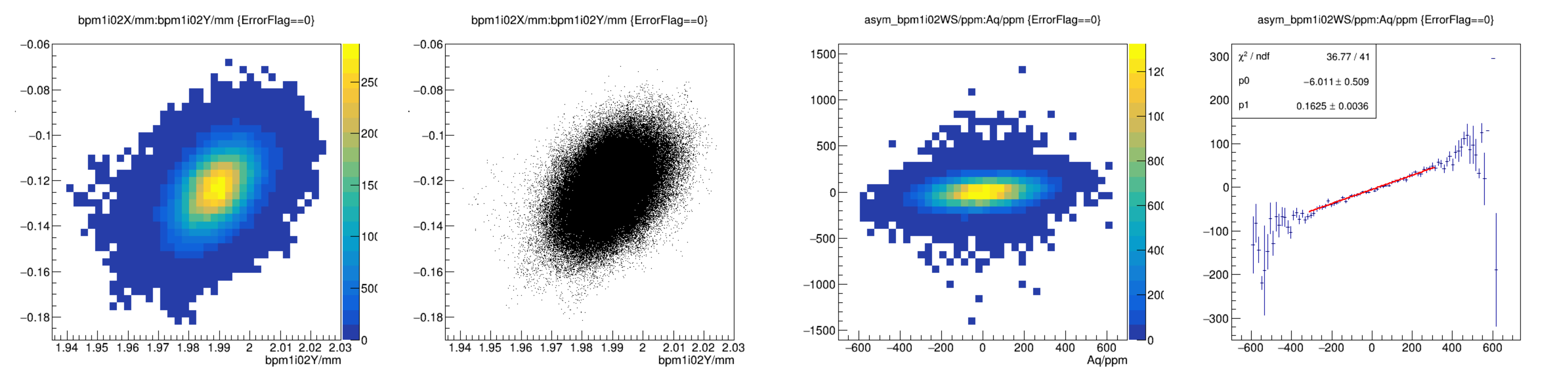




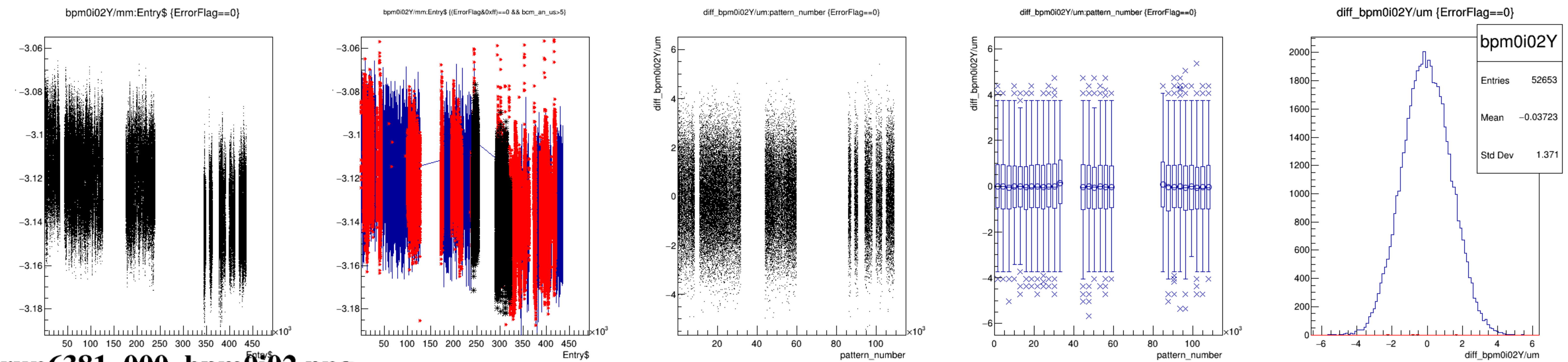
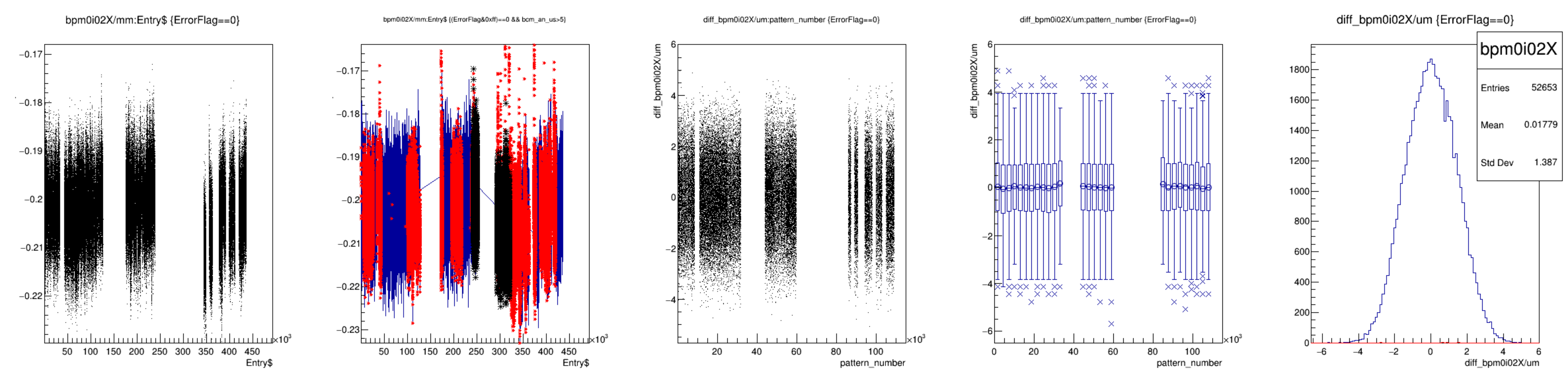




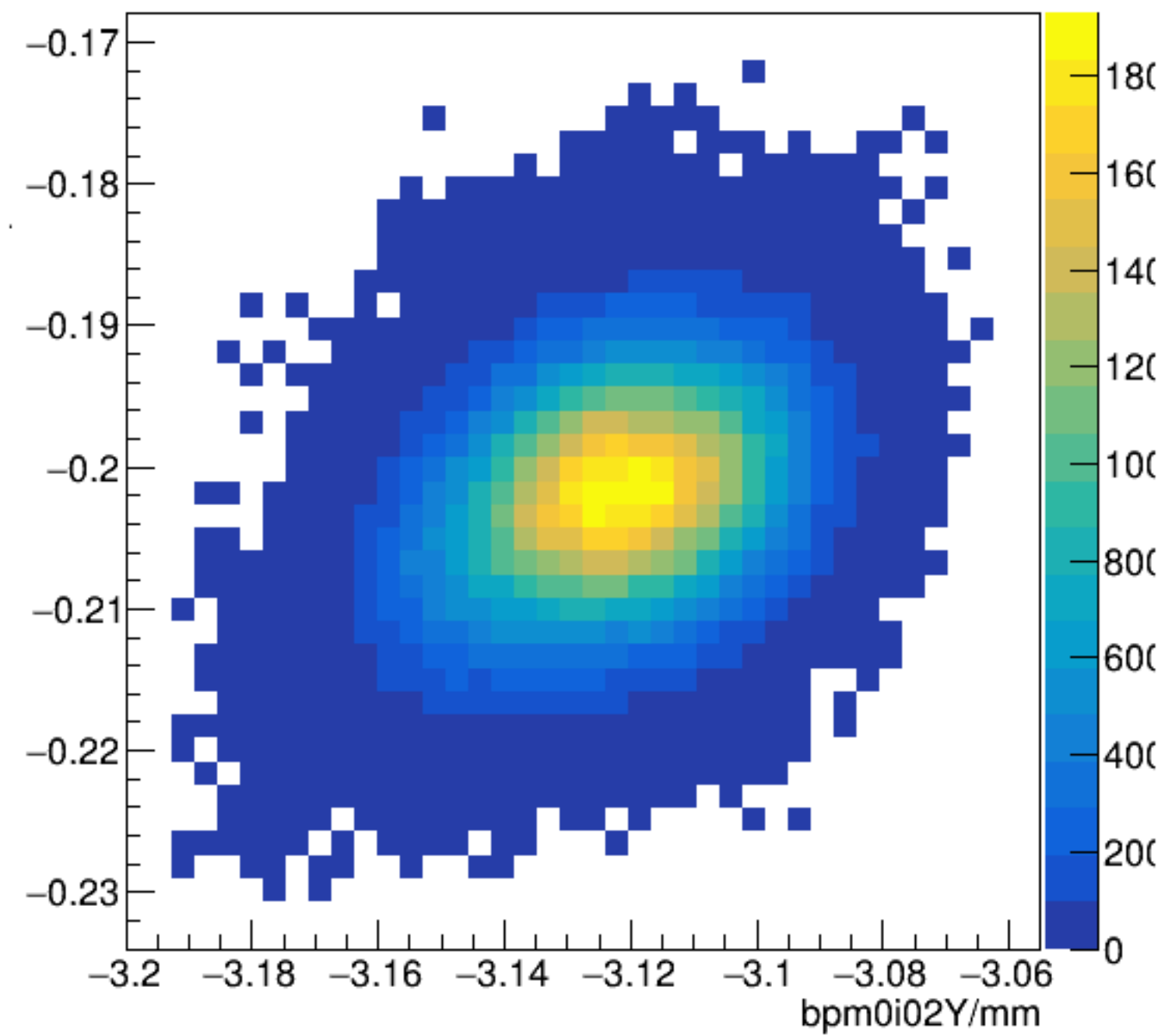




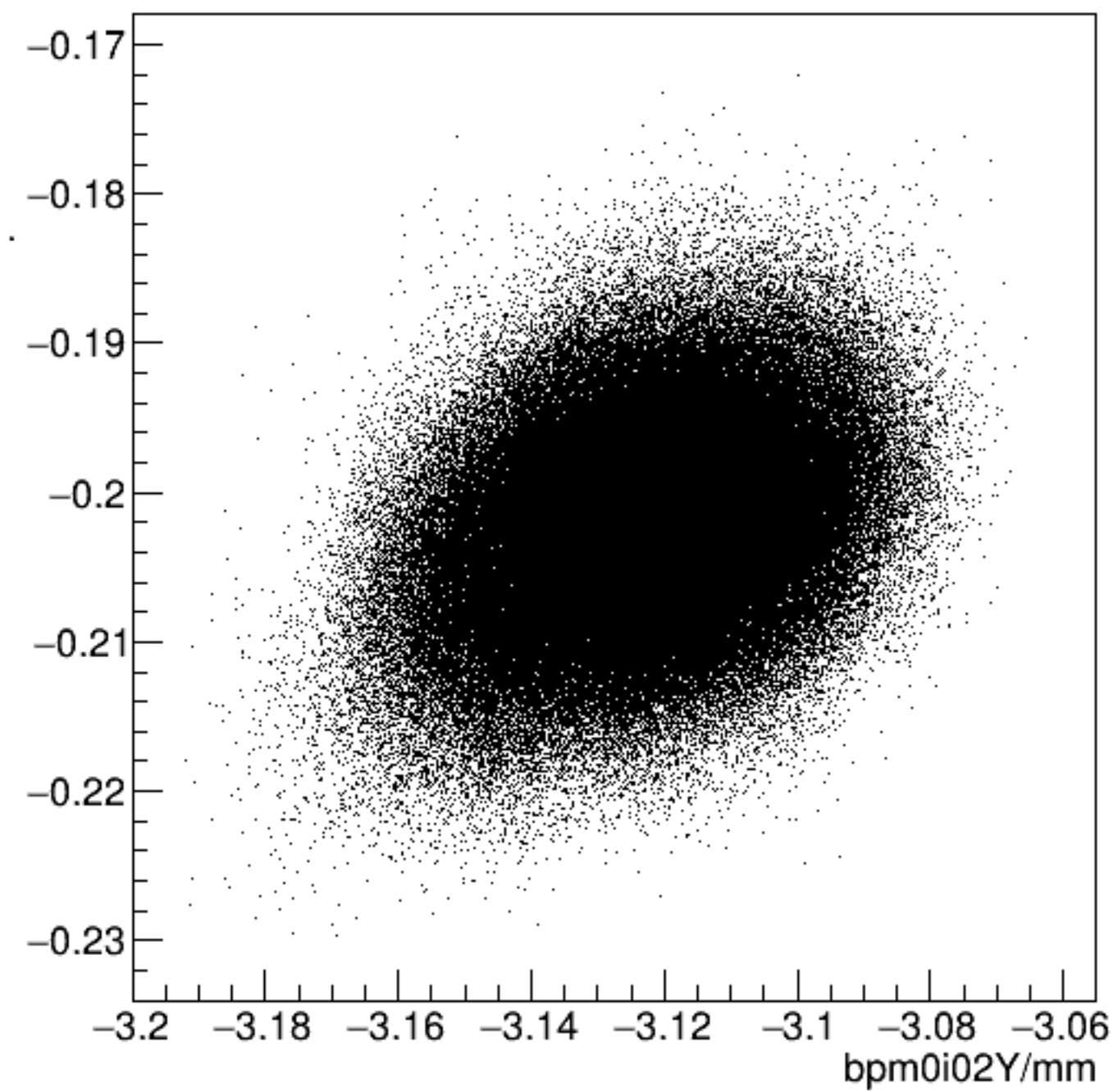
run6381_000_bpm1i02_XY_Awiresum.png



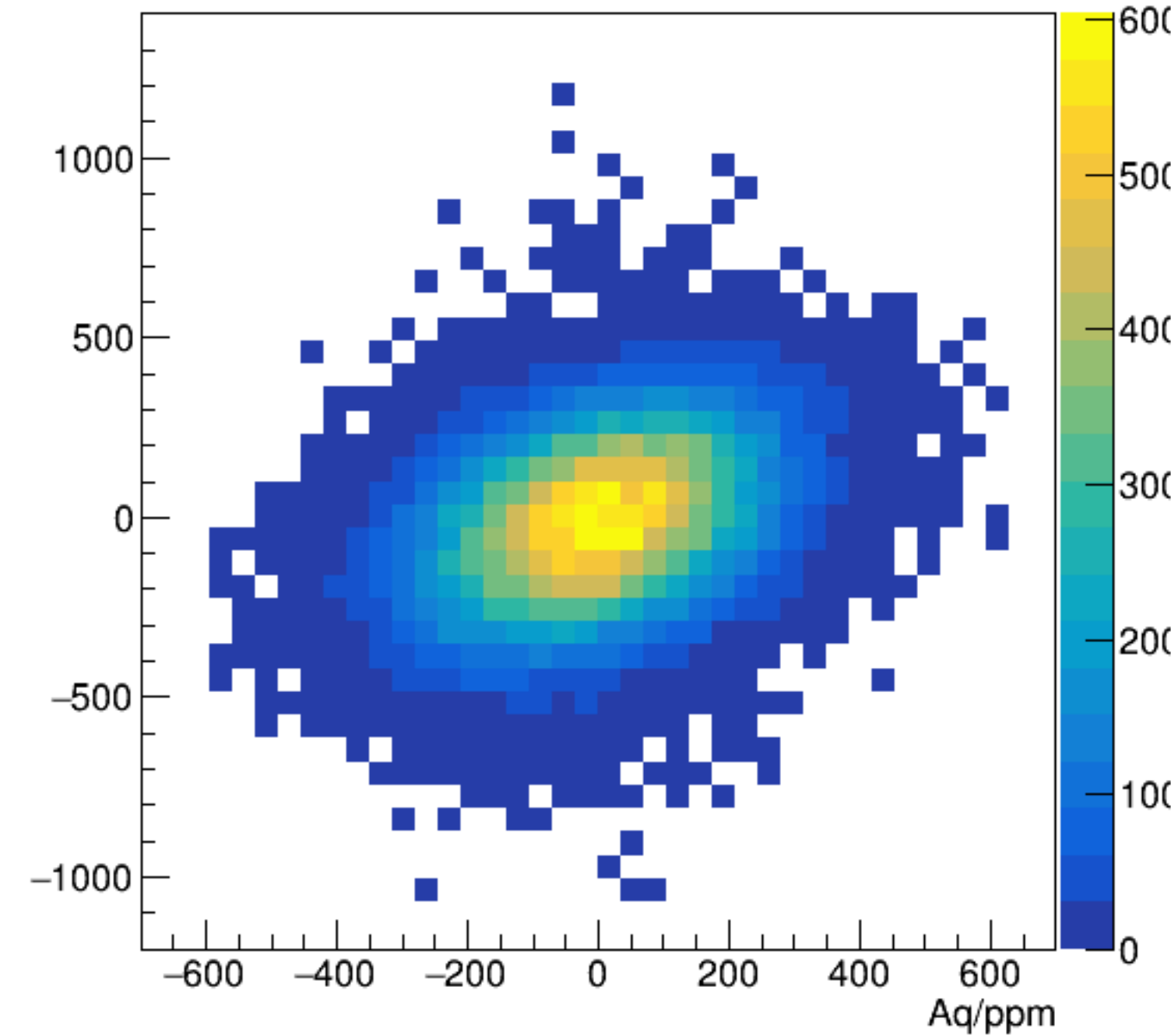
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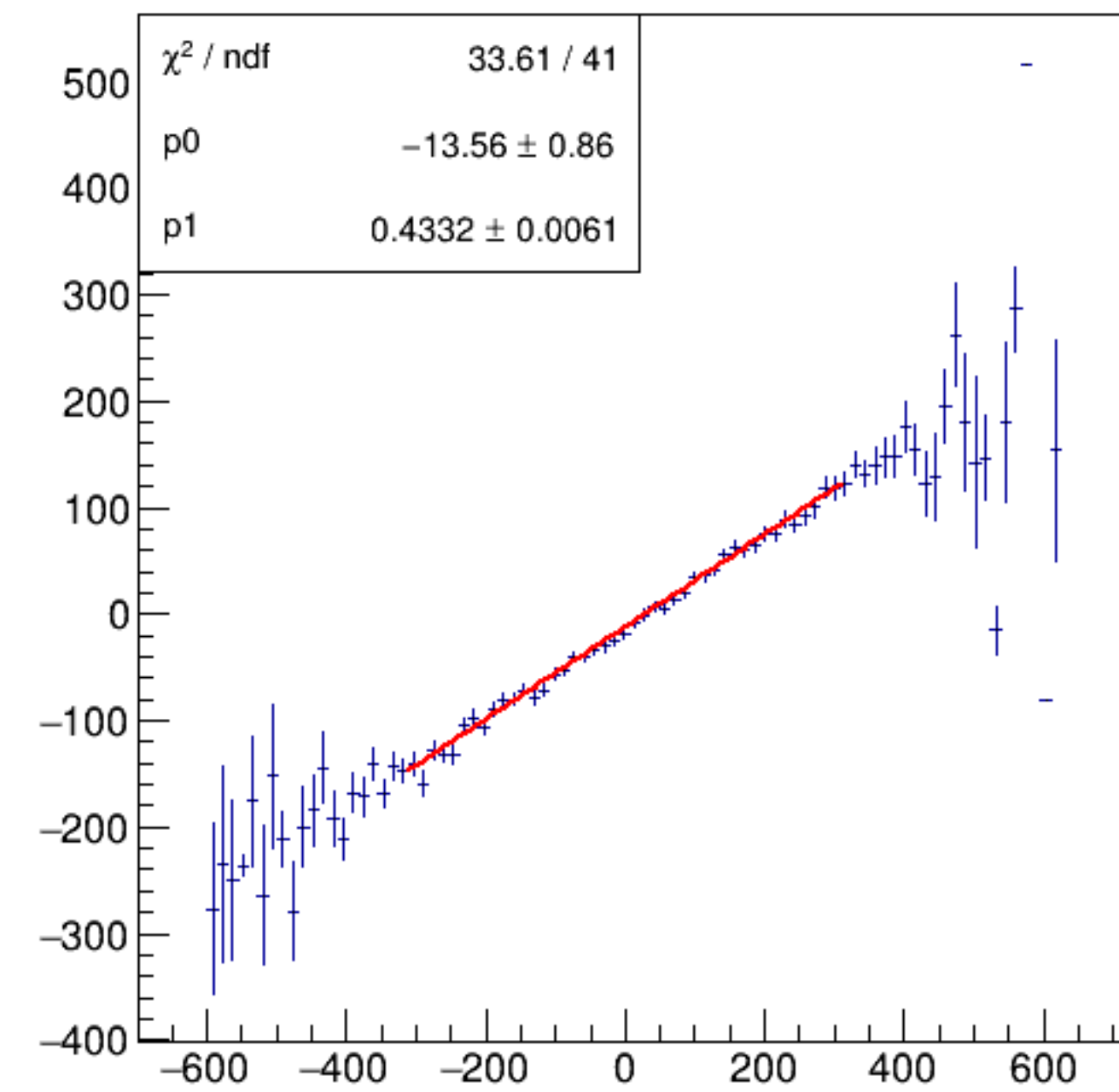
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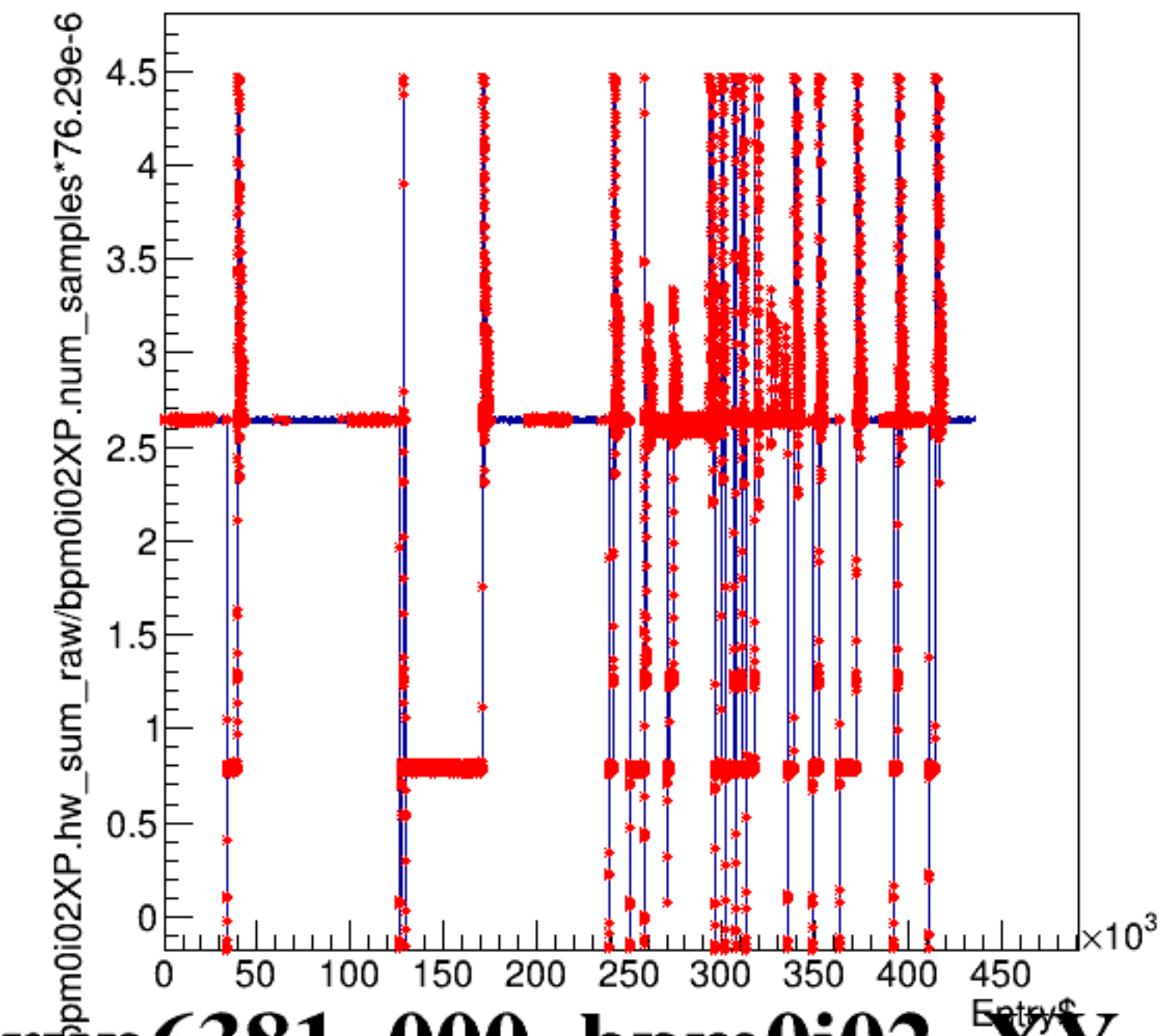
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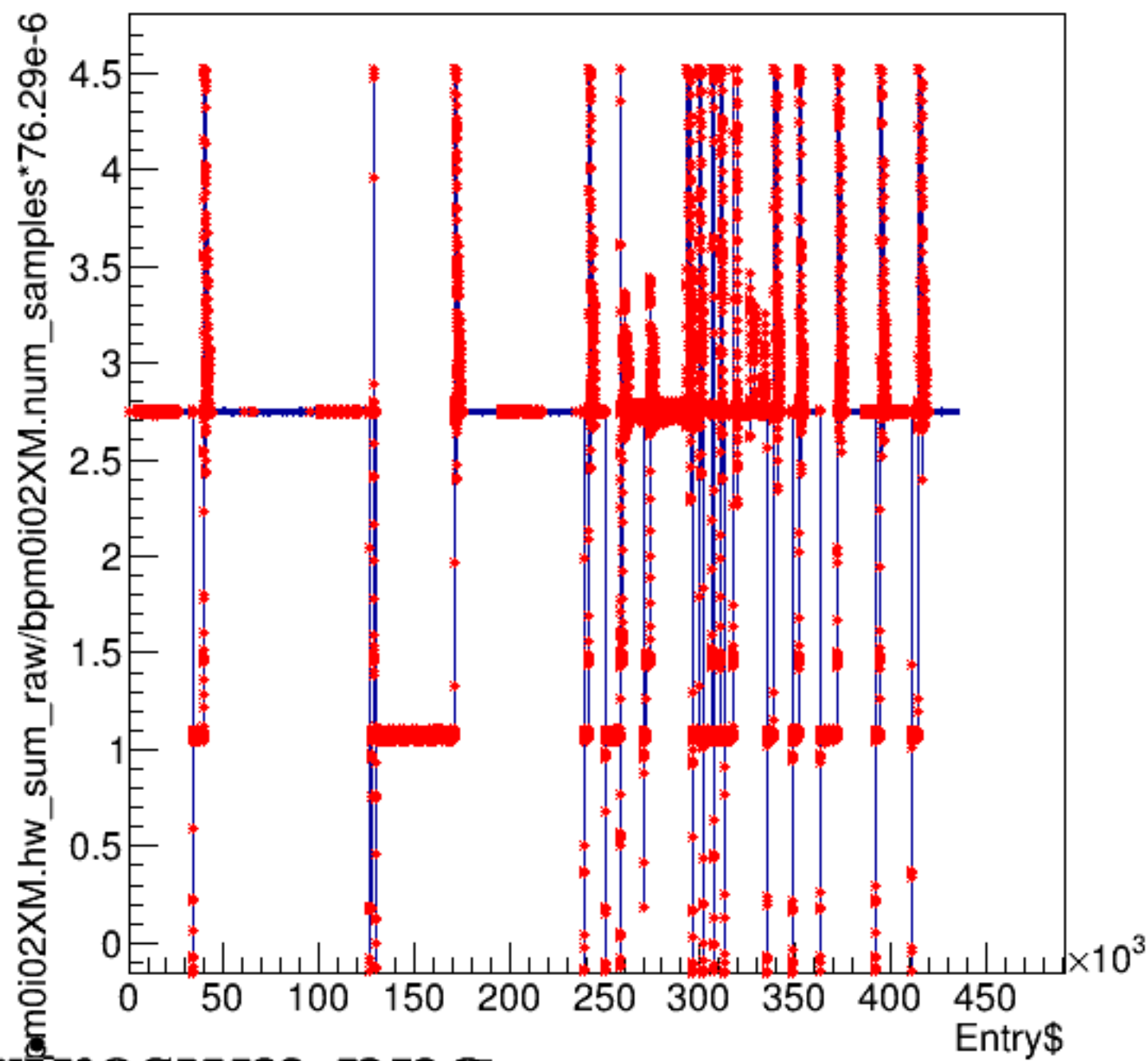
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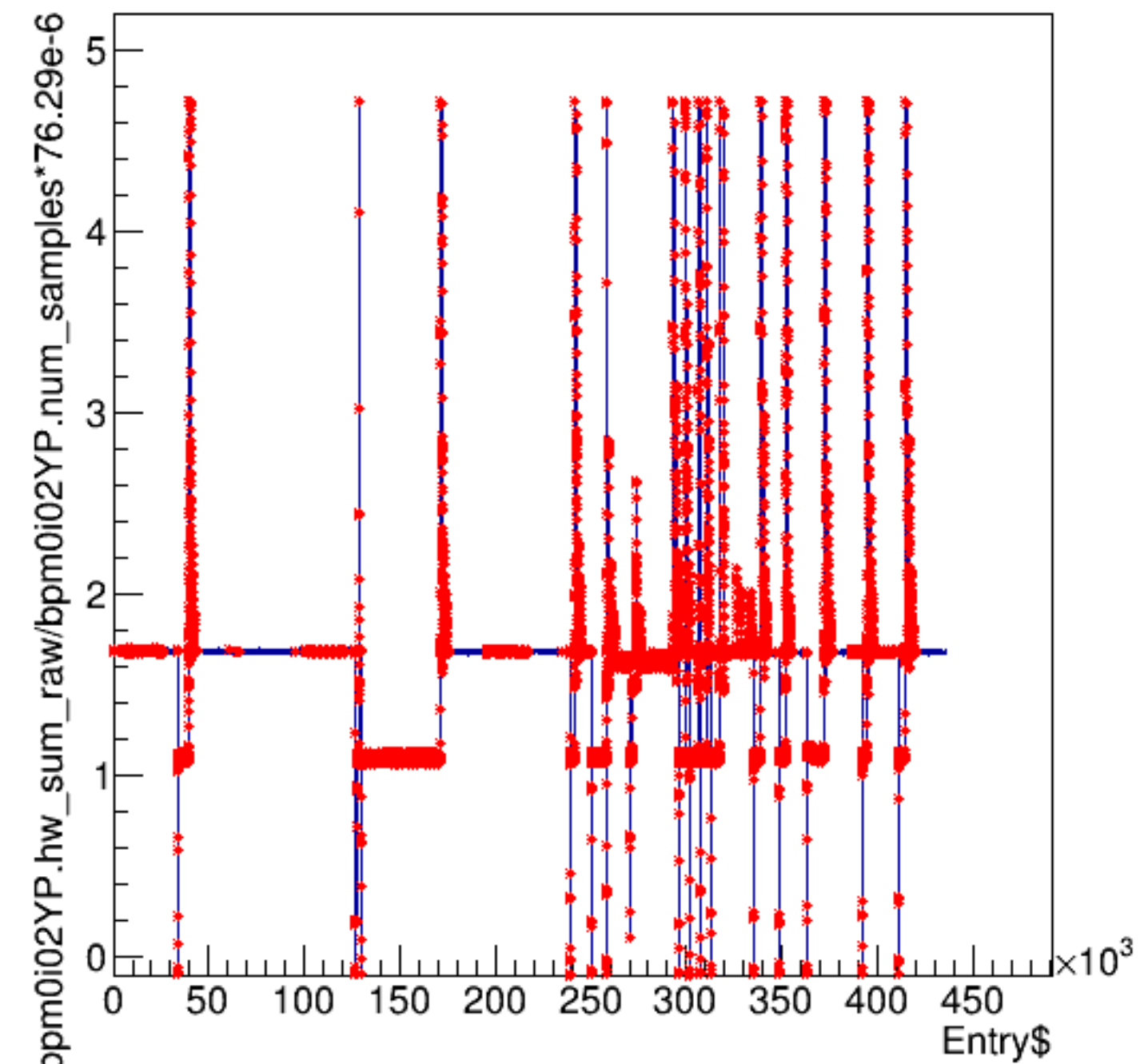
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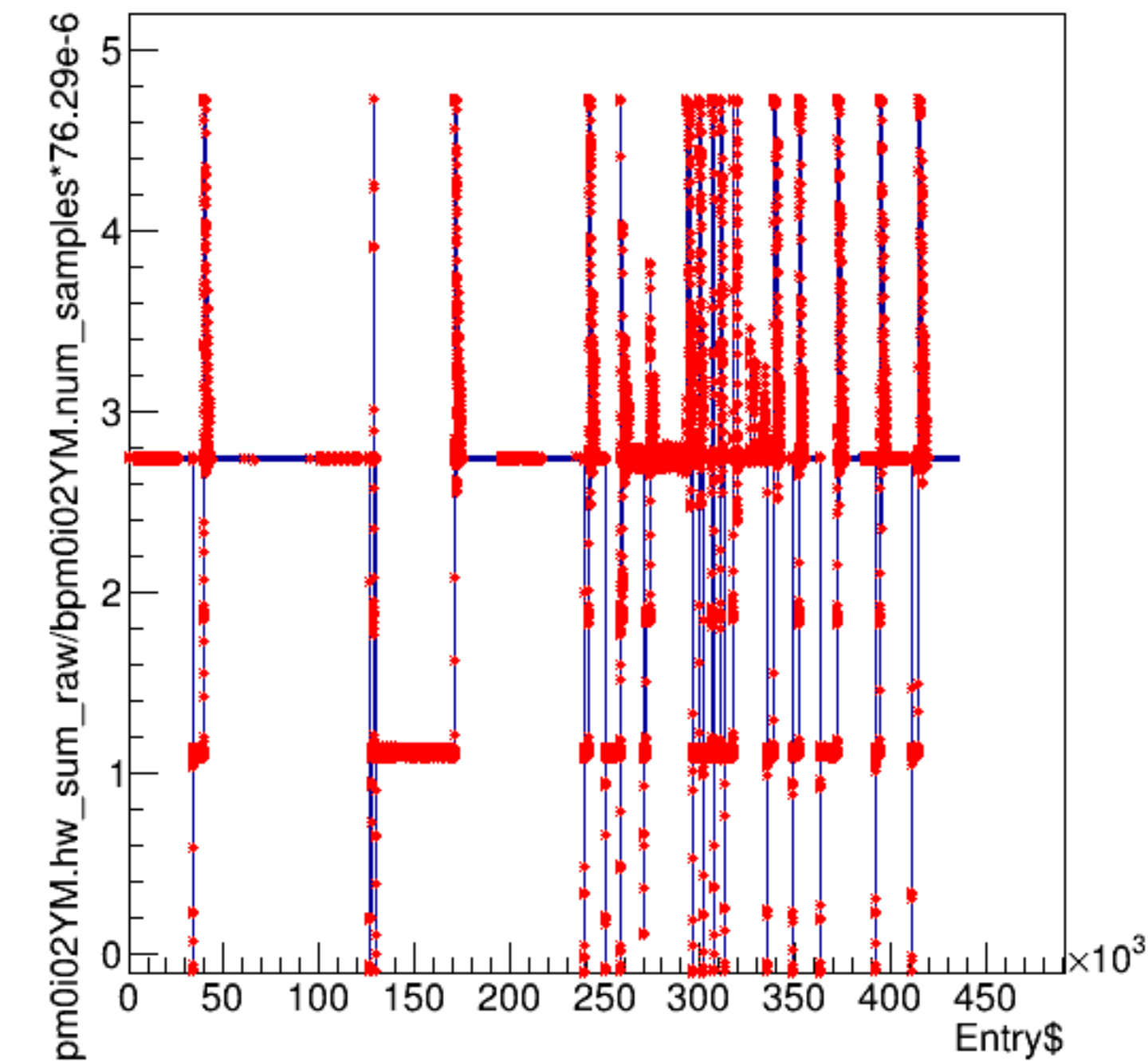
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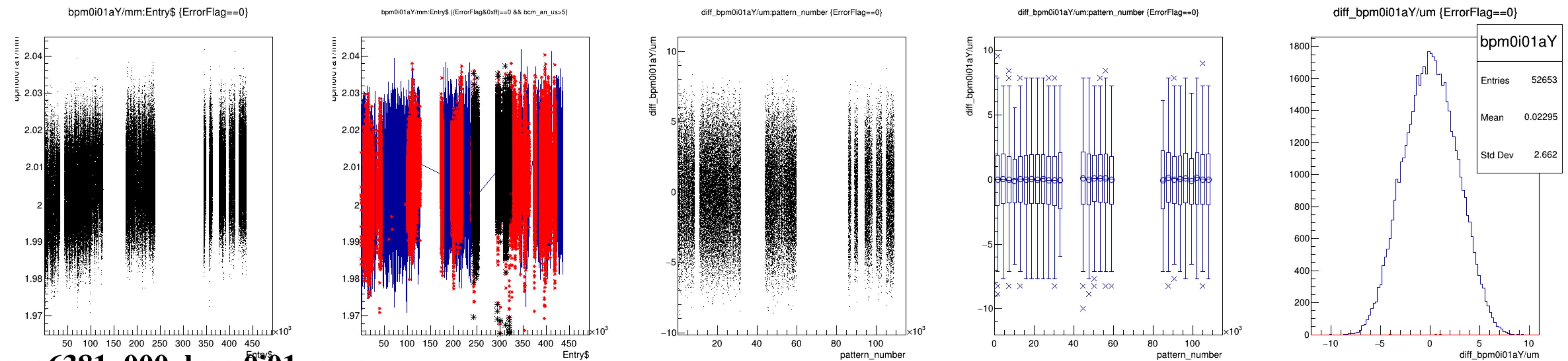
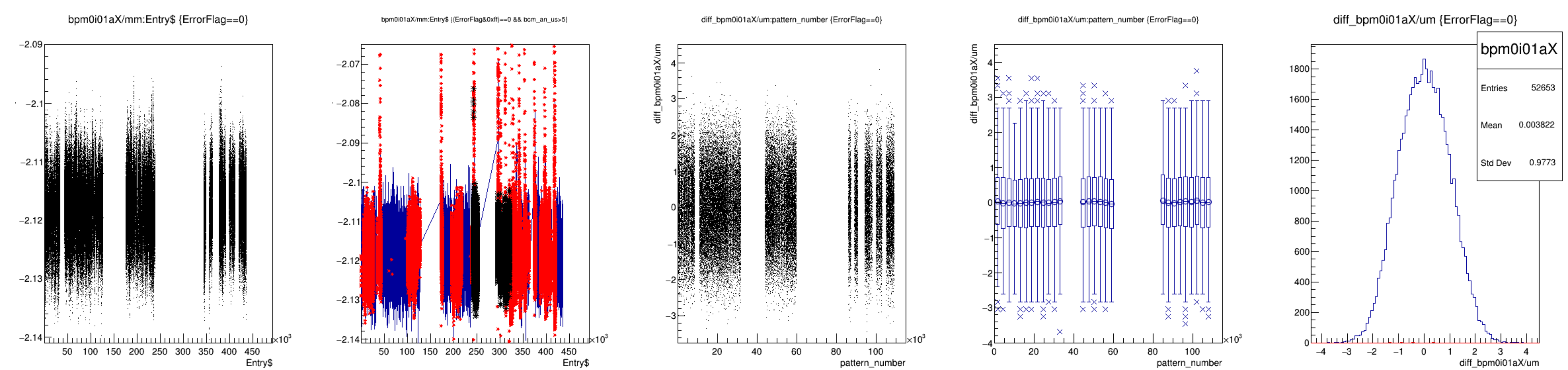


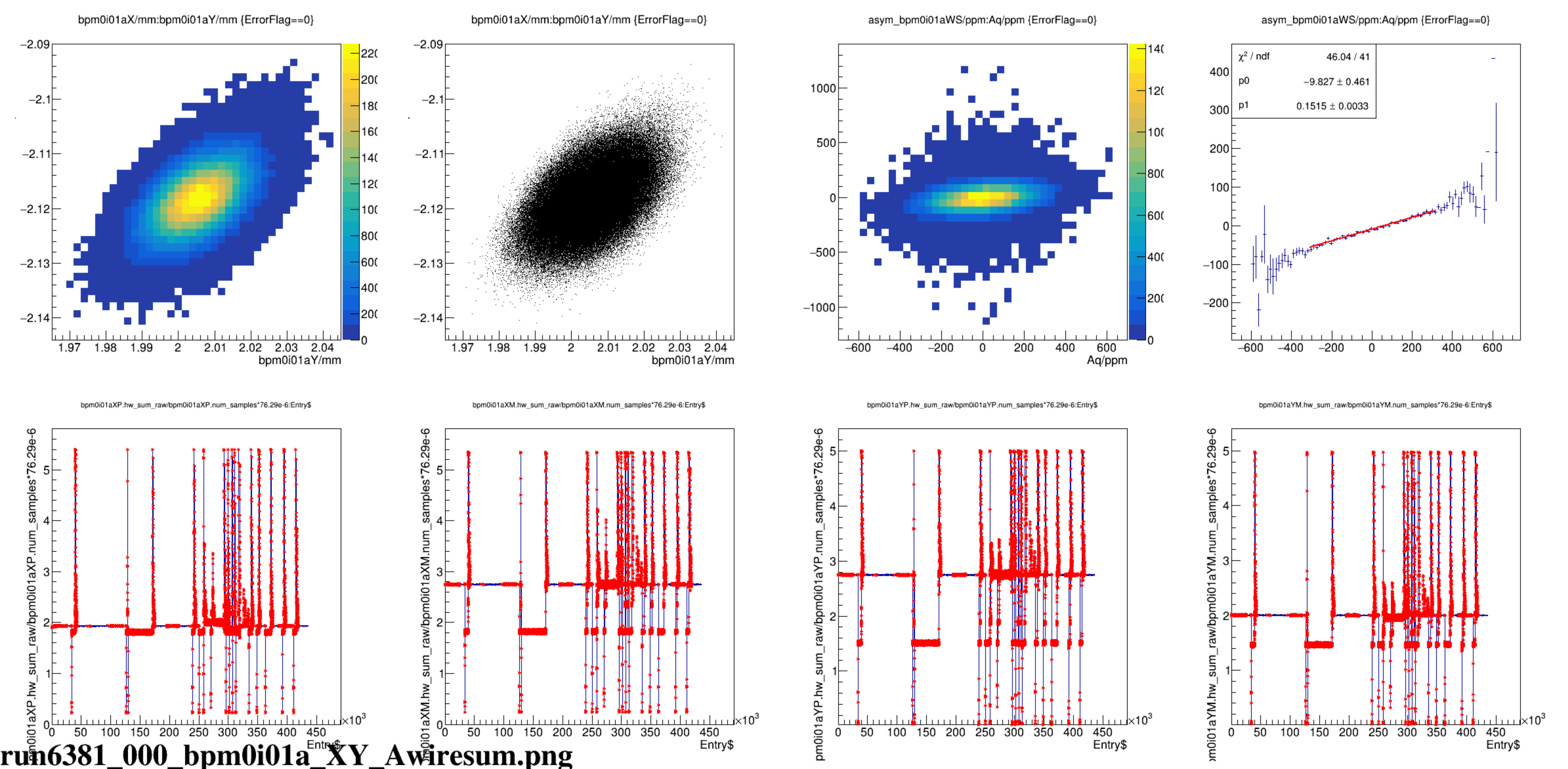
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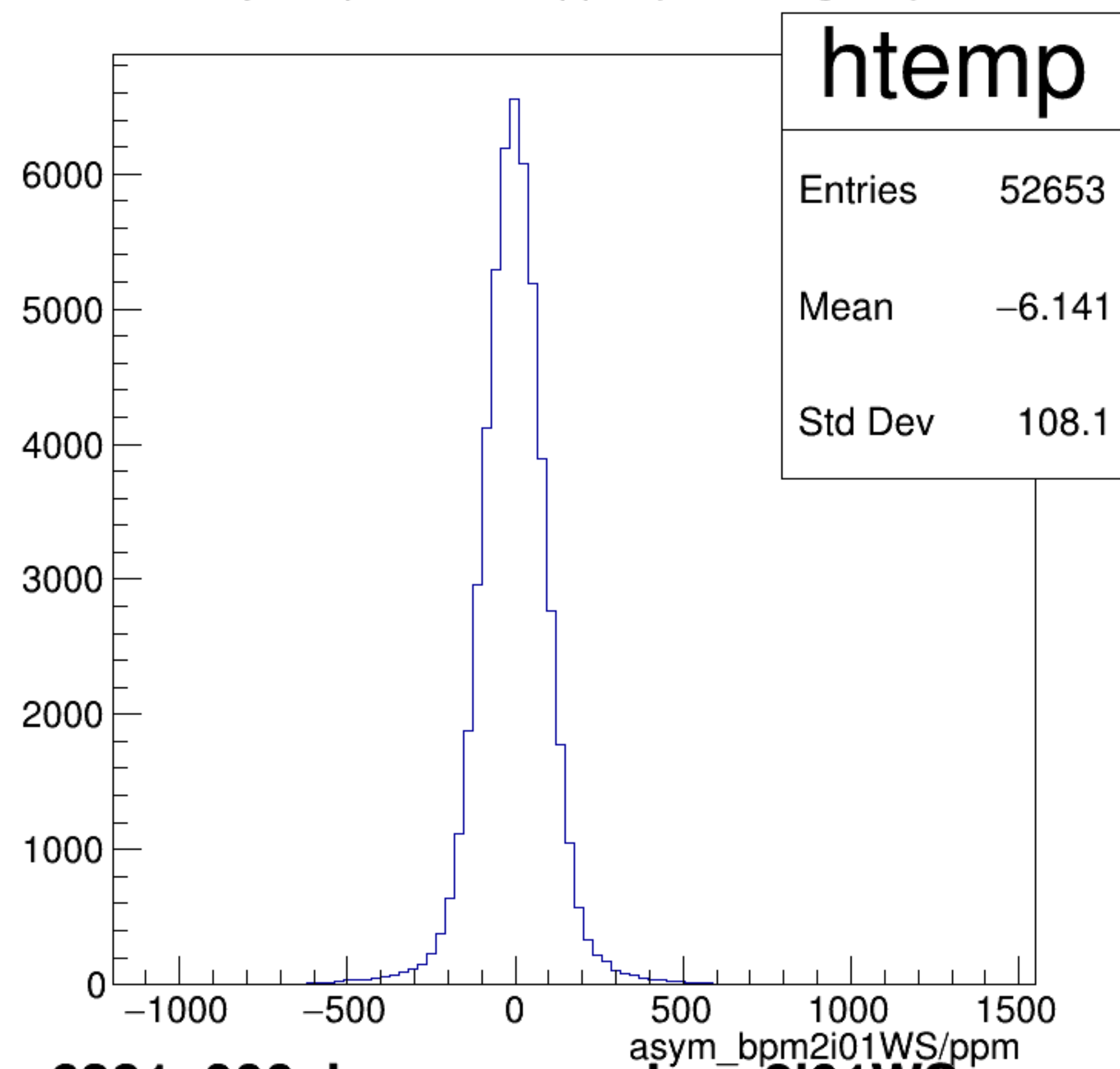
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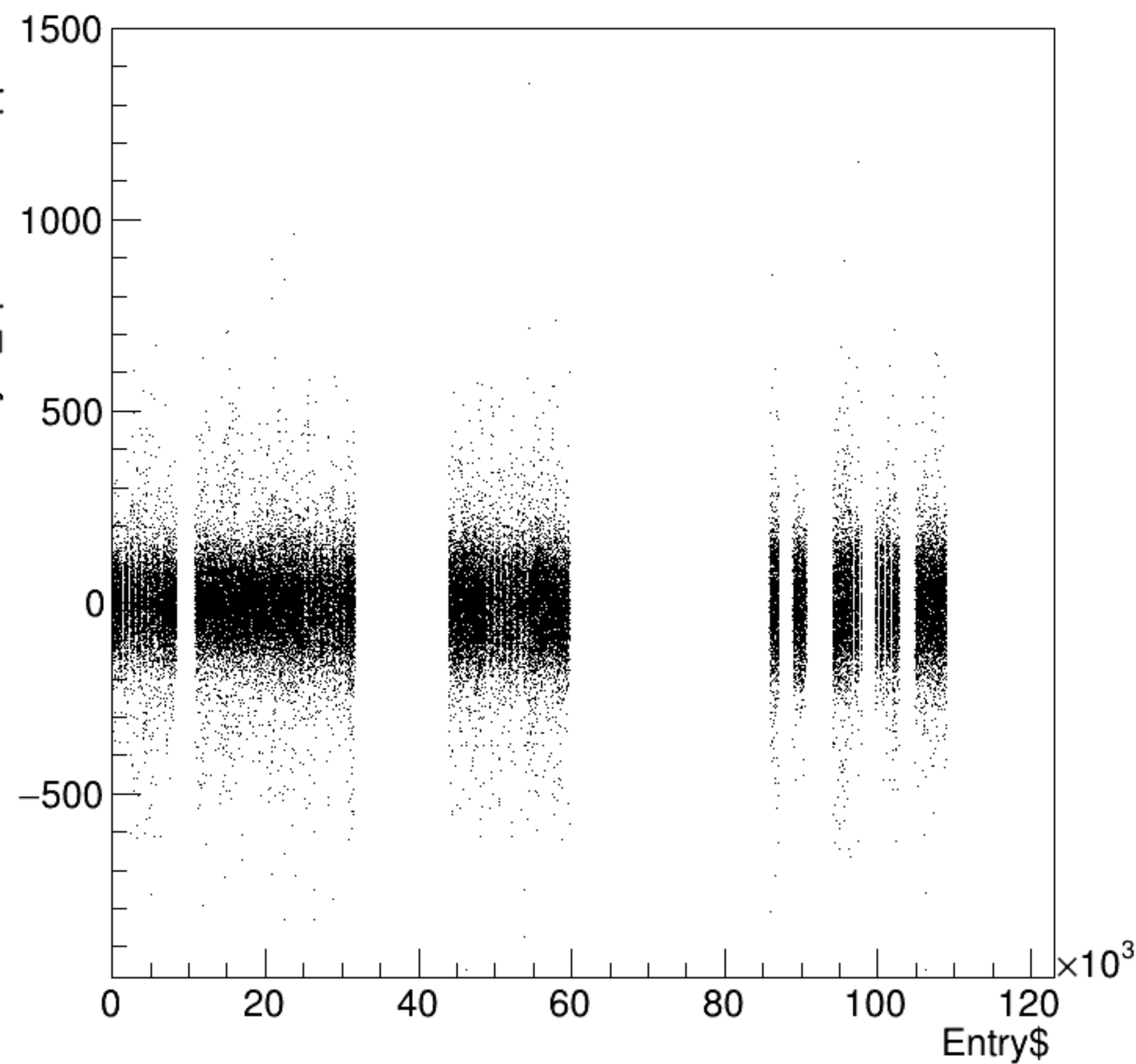


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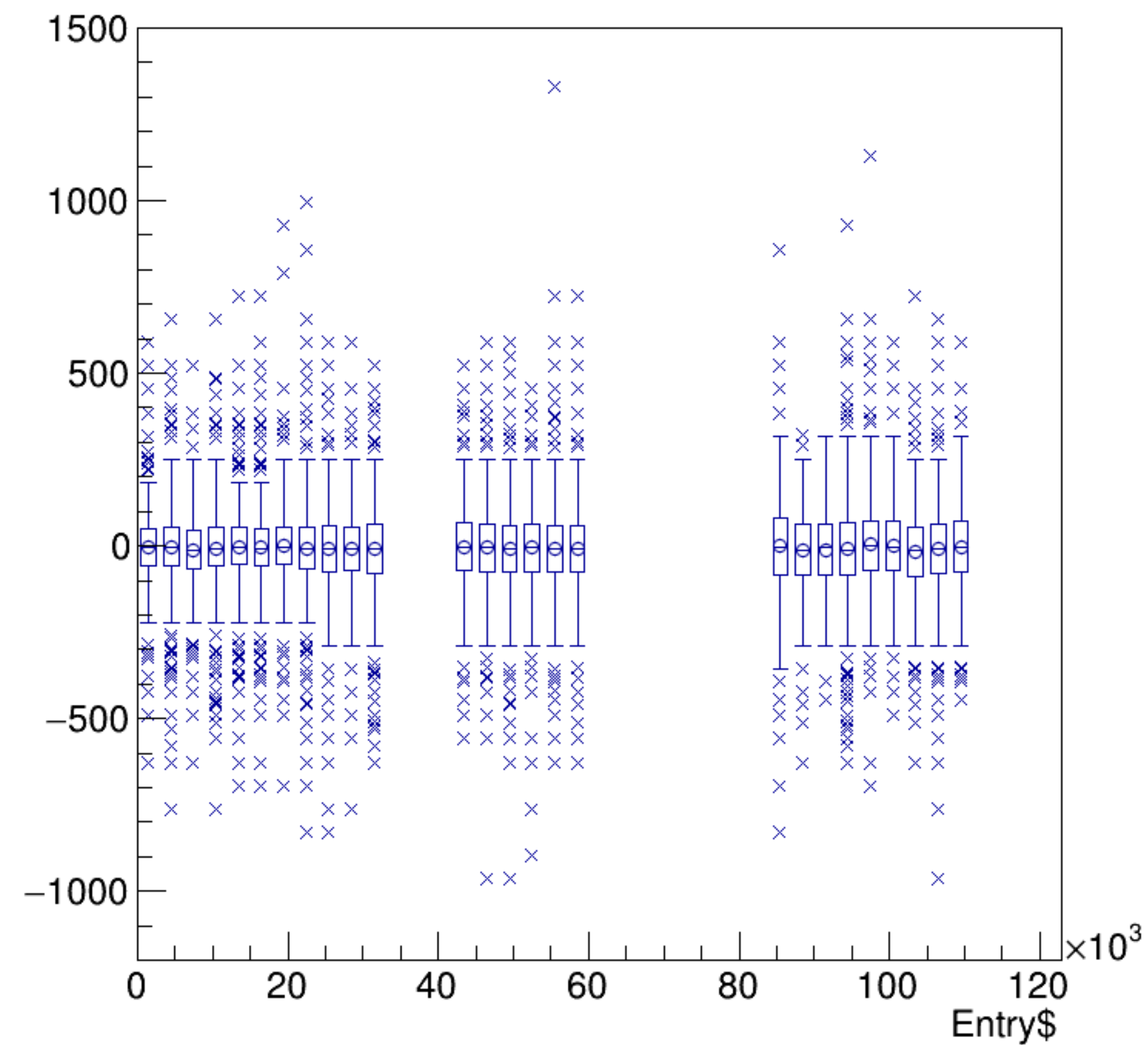


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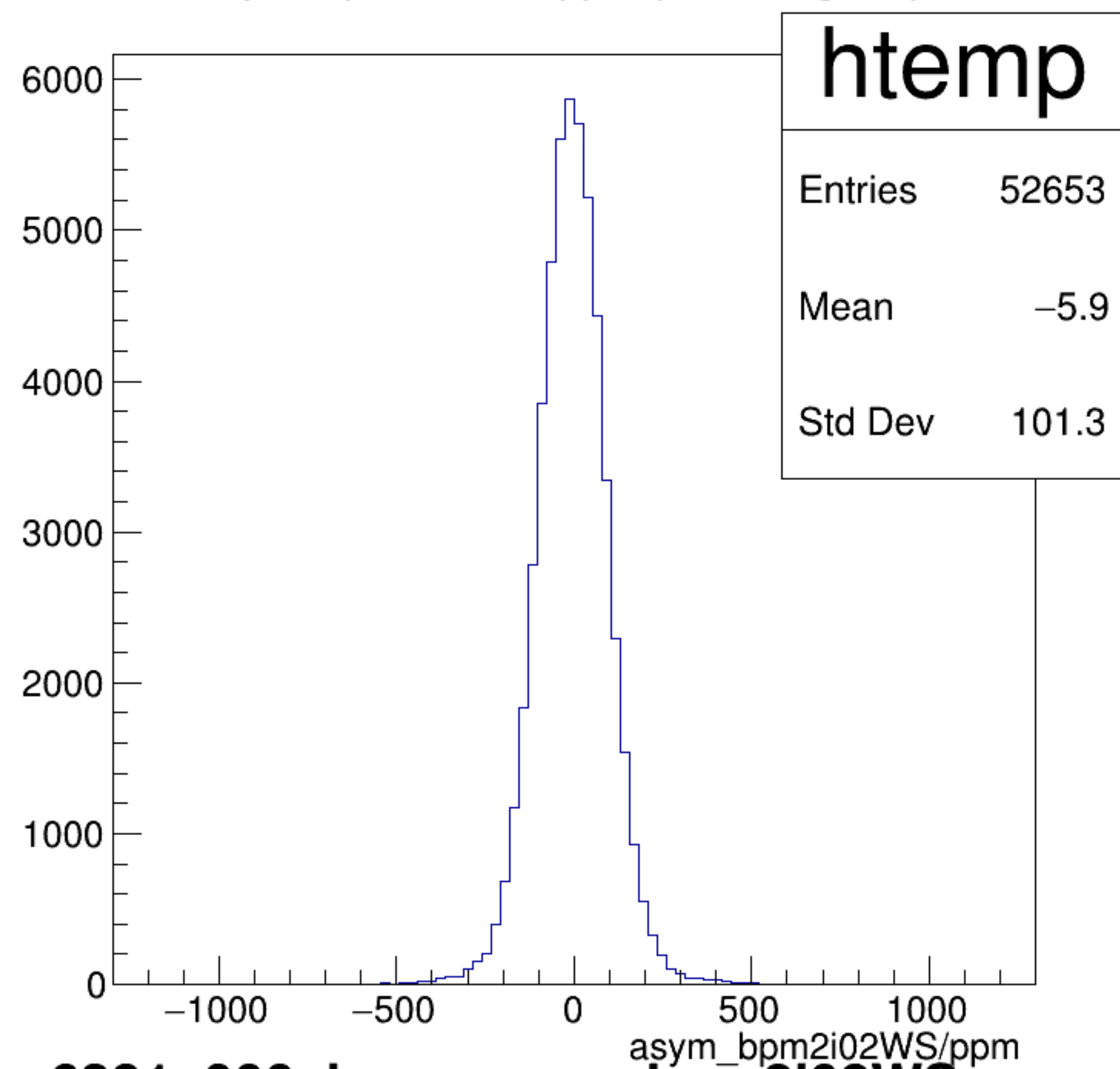
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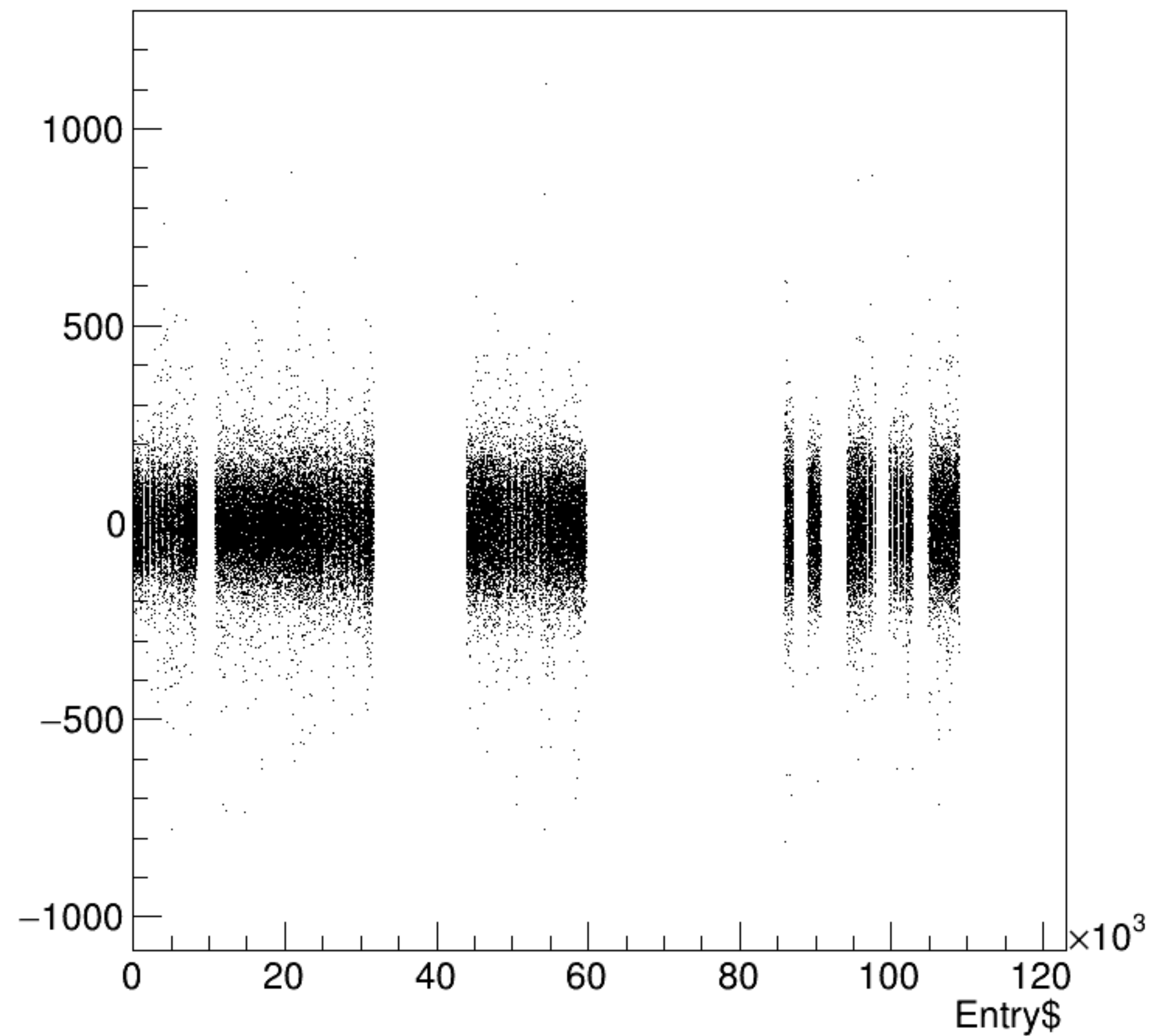


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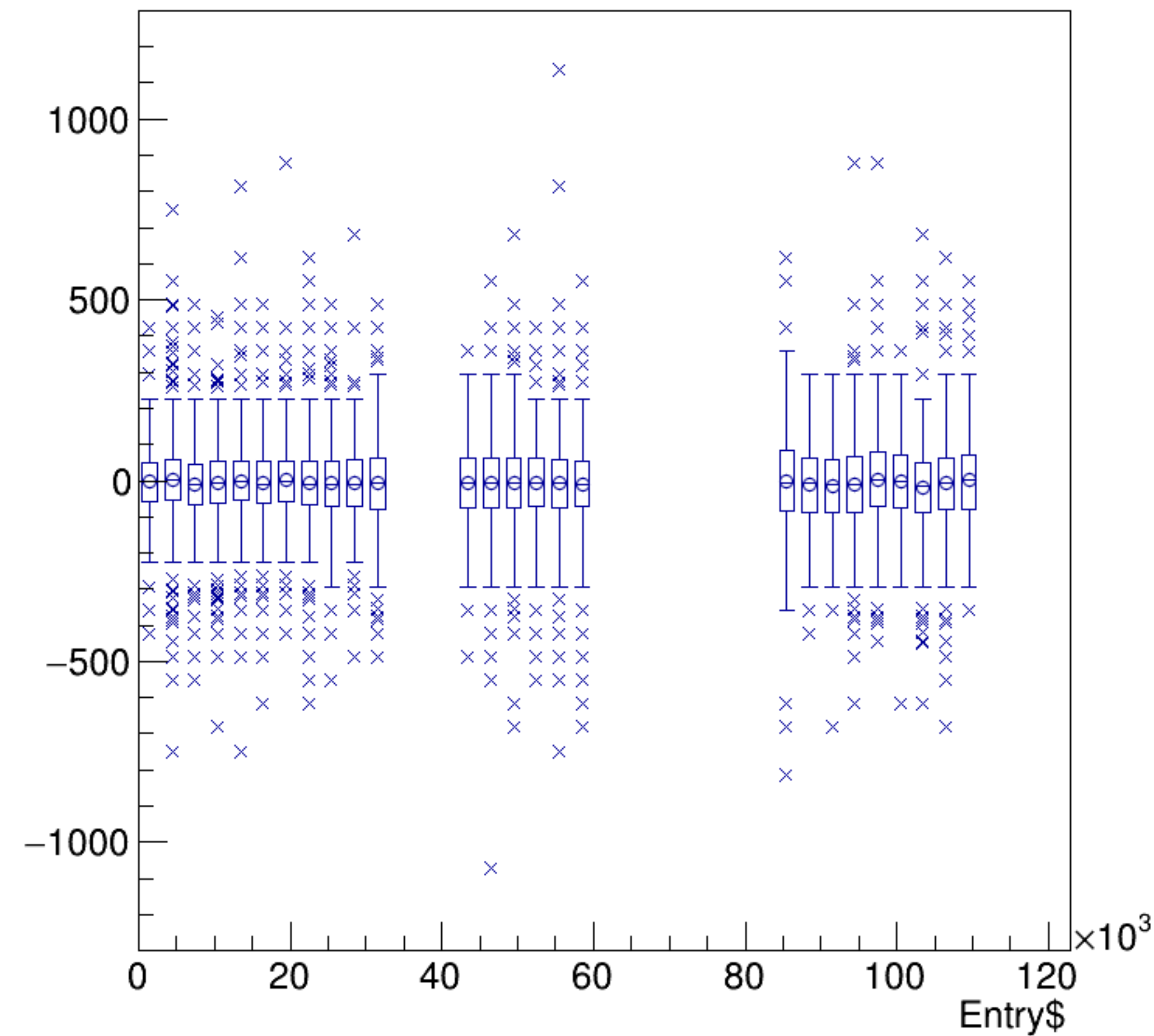


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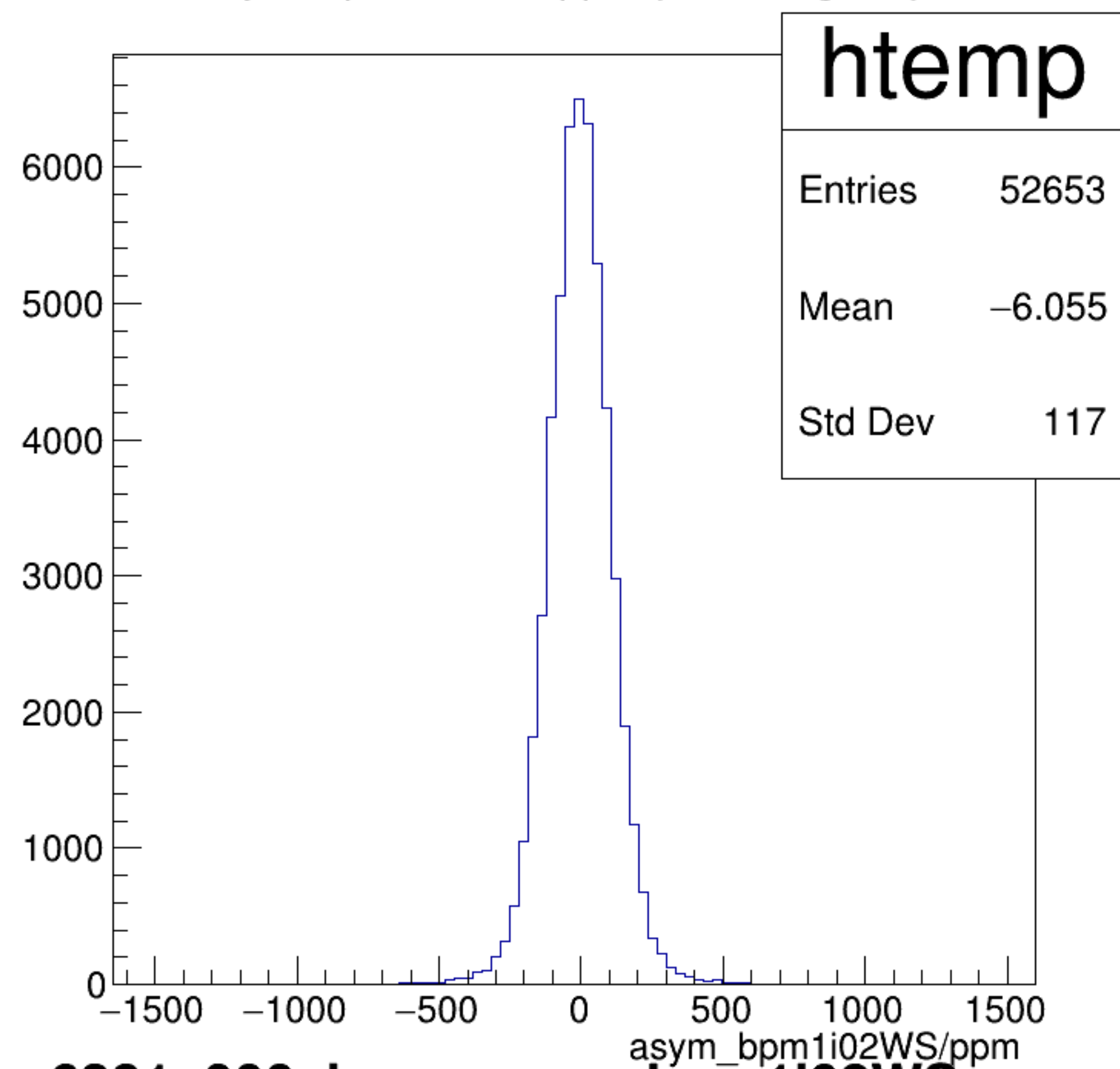
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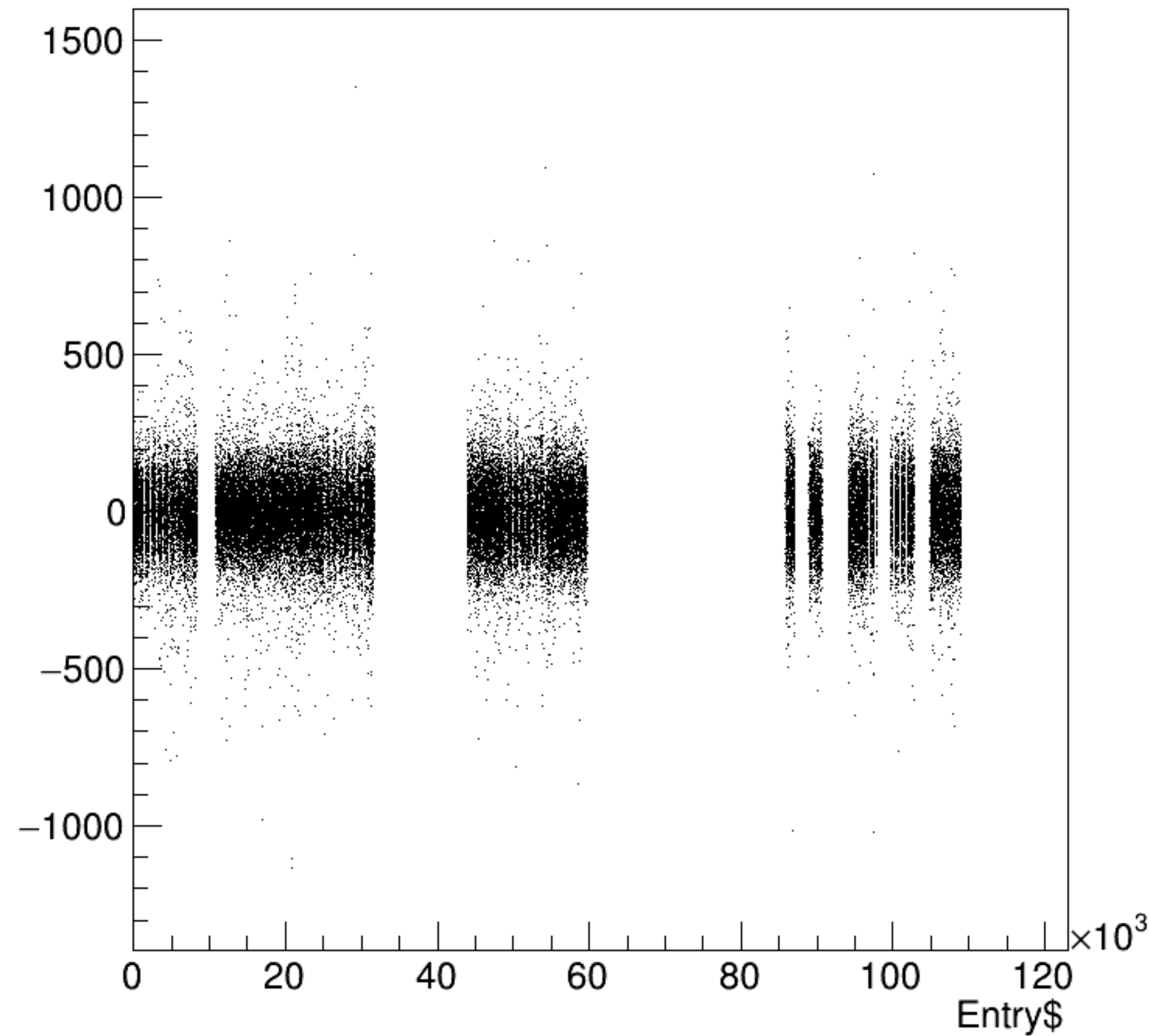


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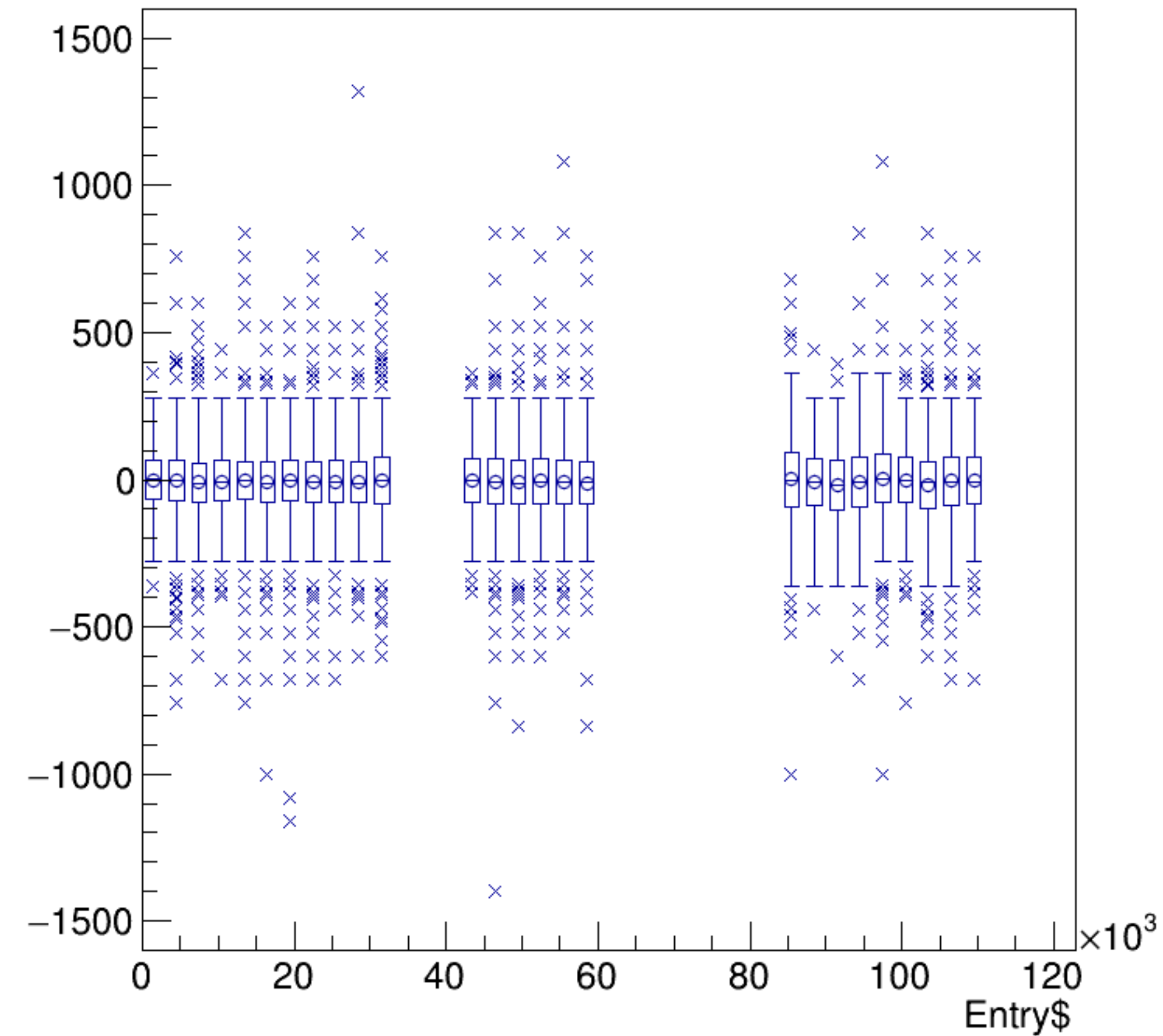


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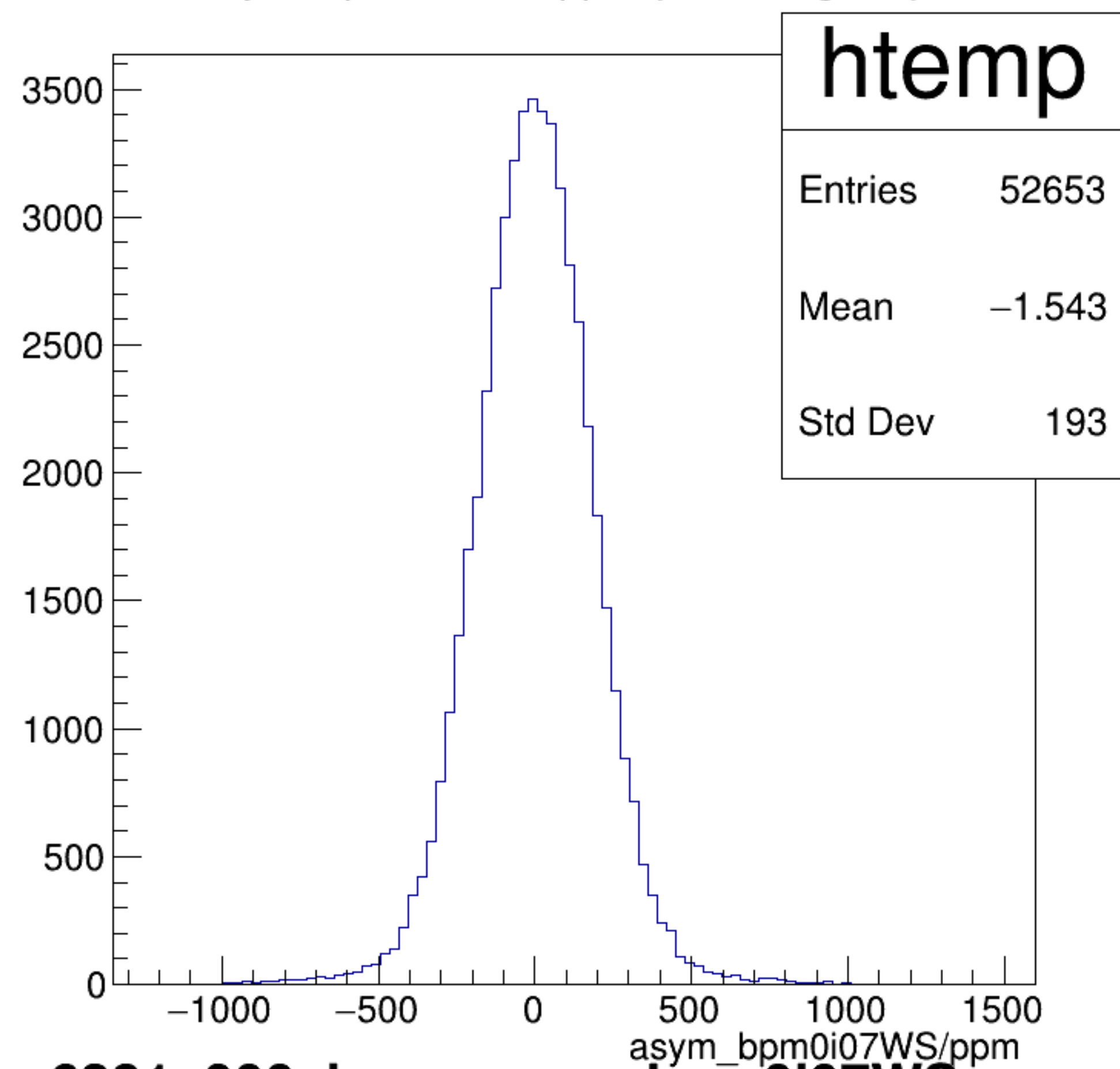
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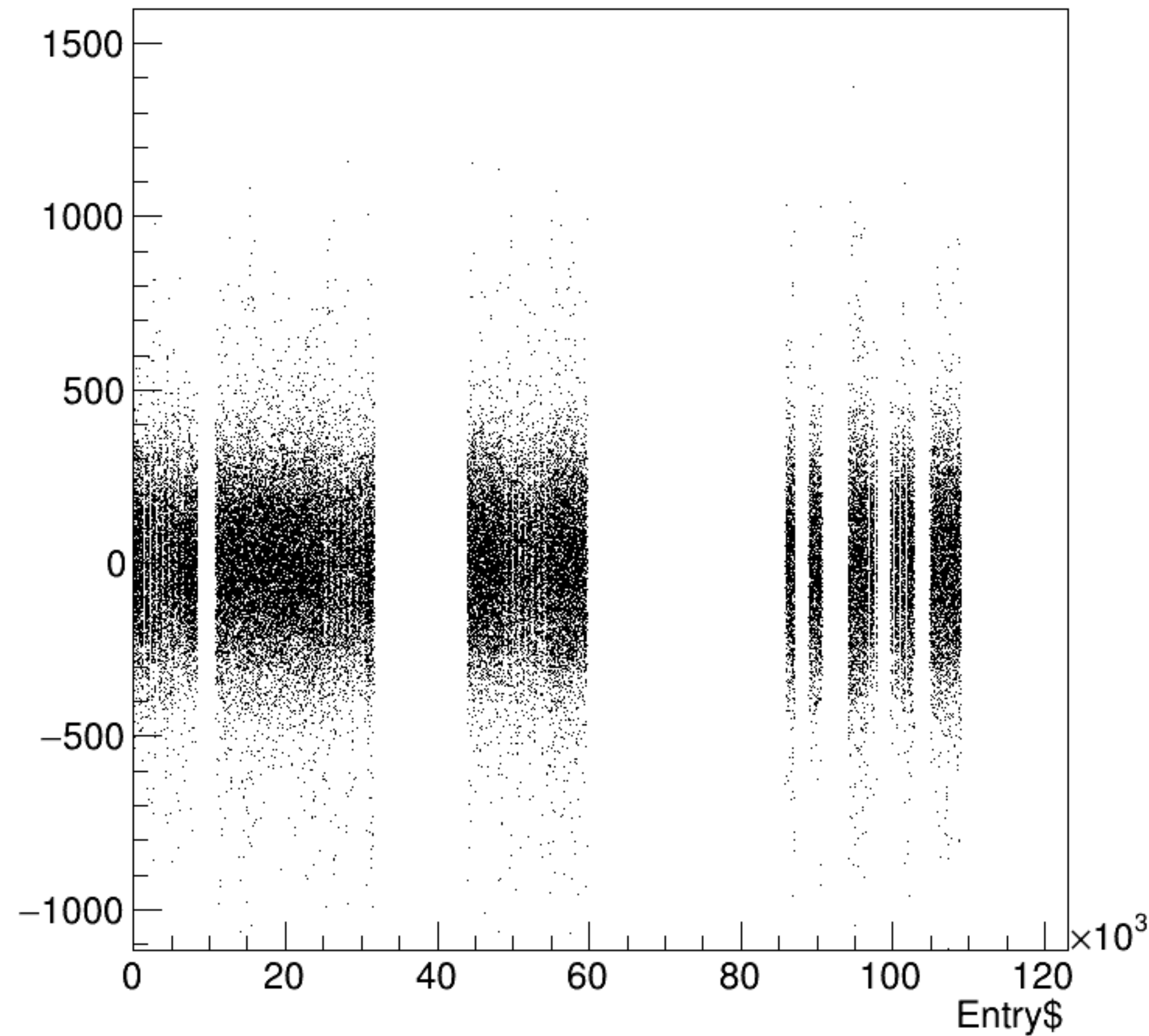


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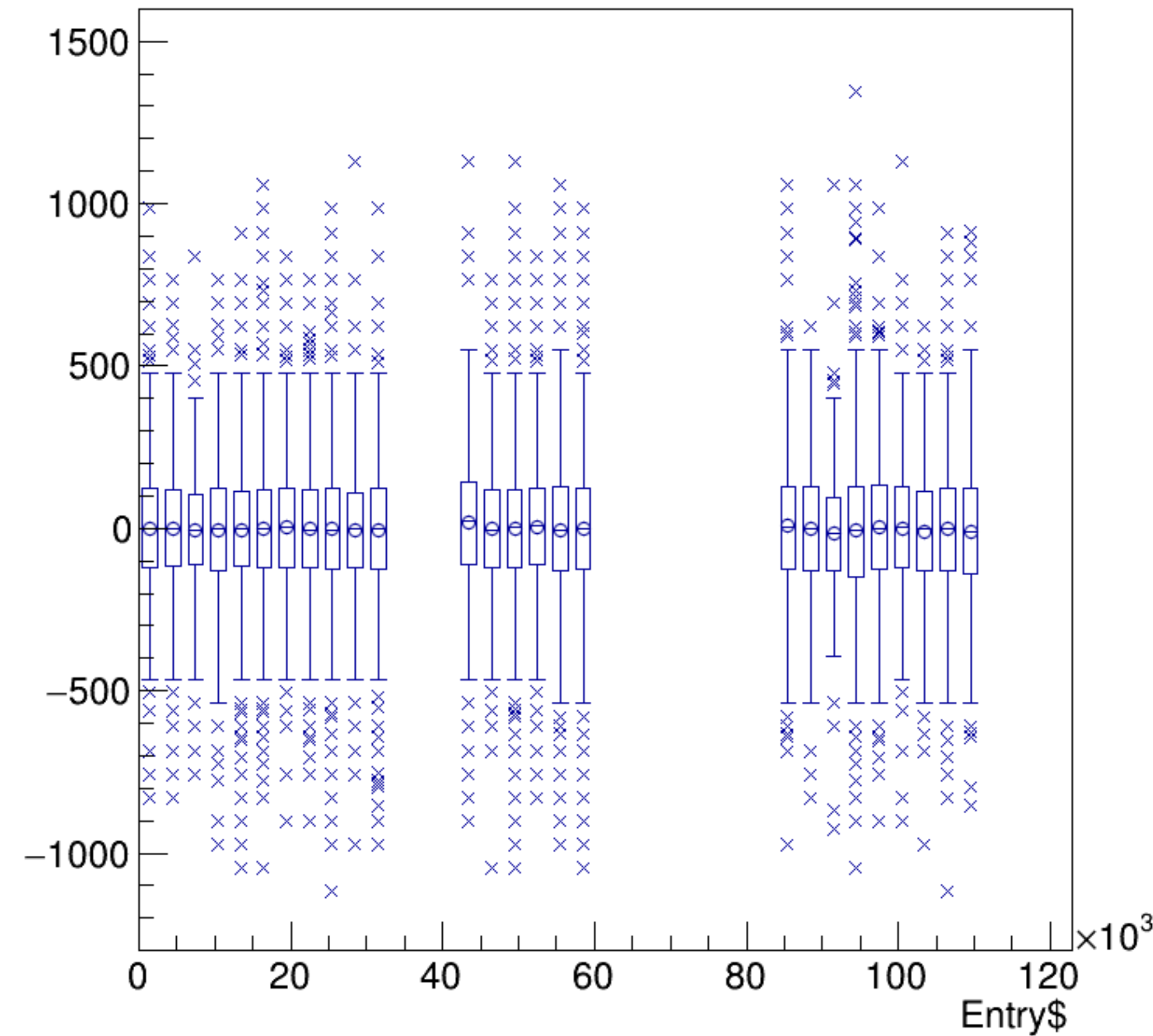


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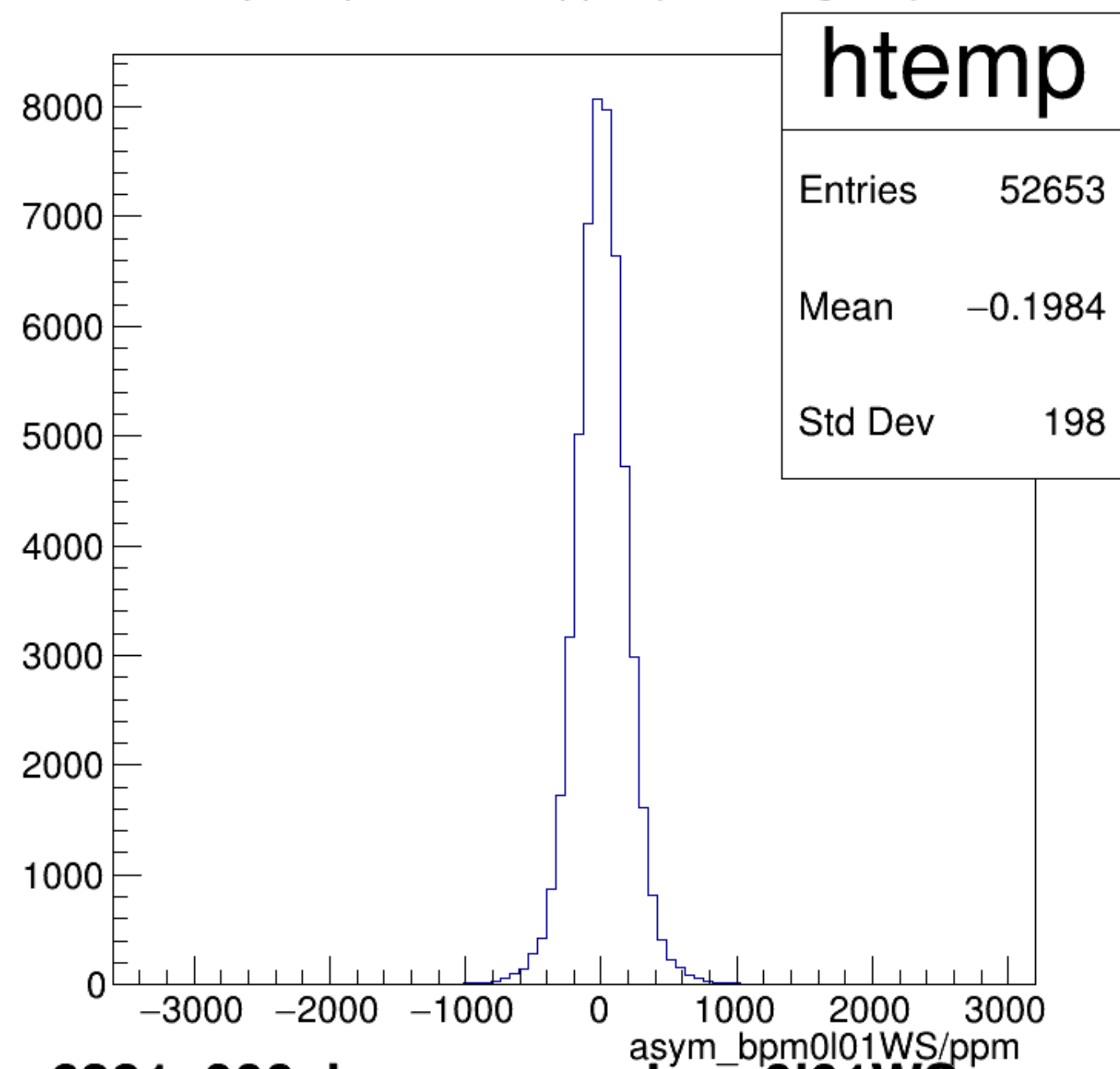
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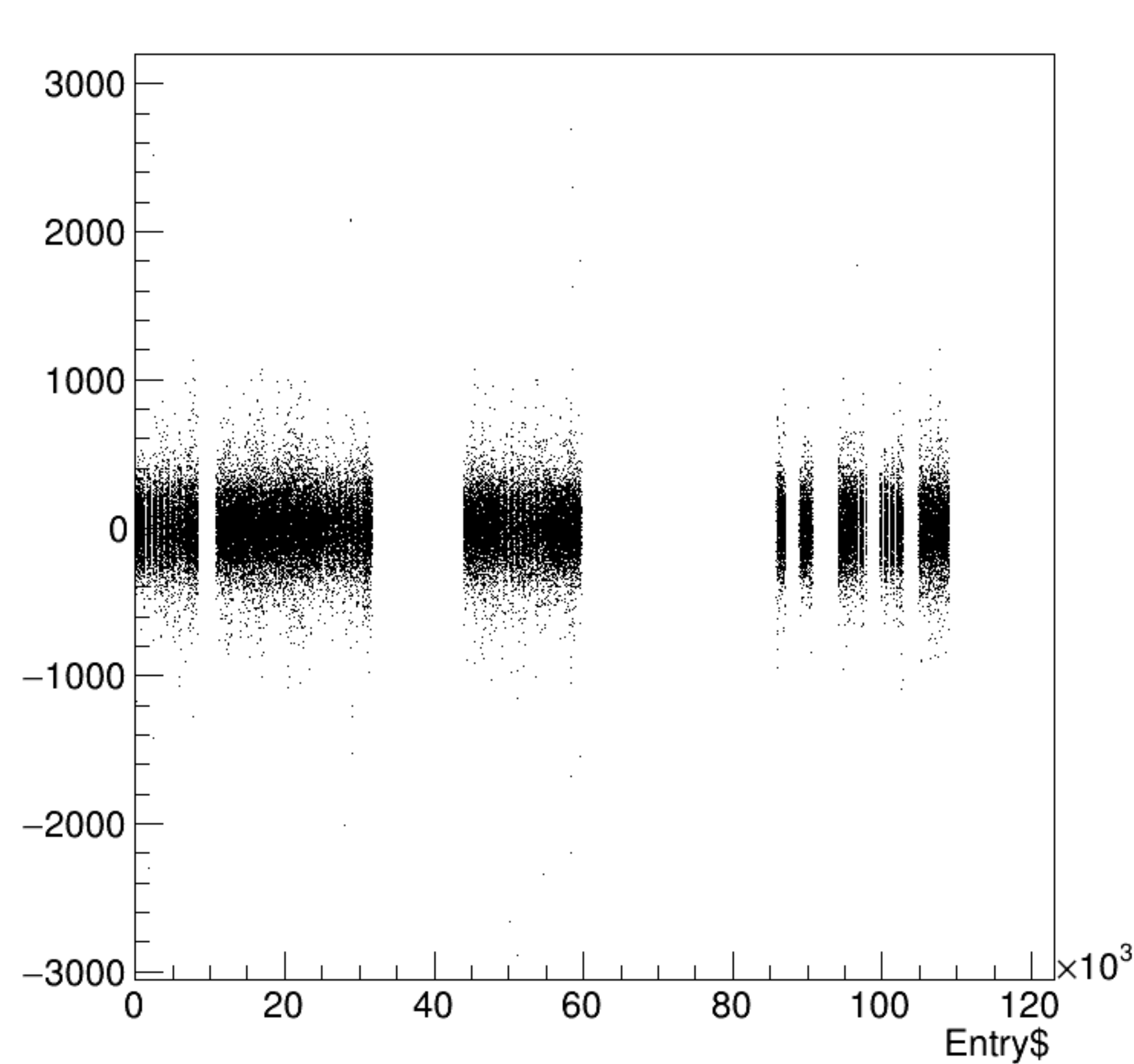
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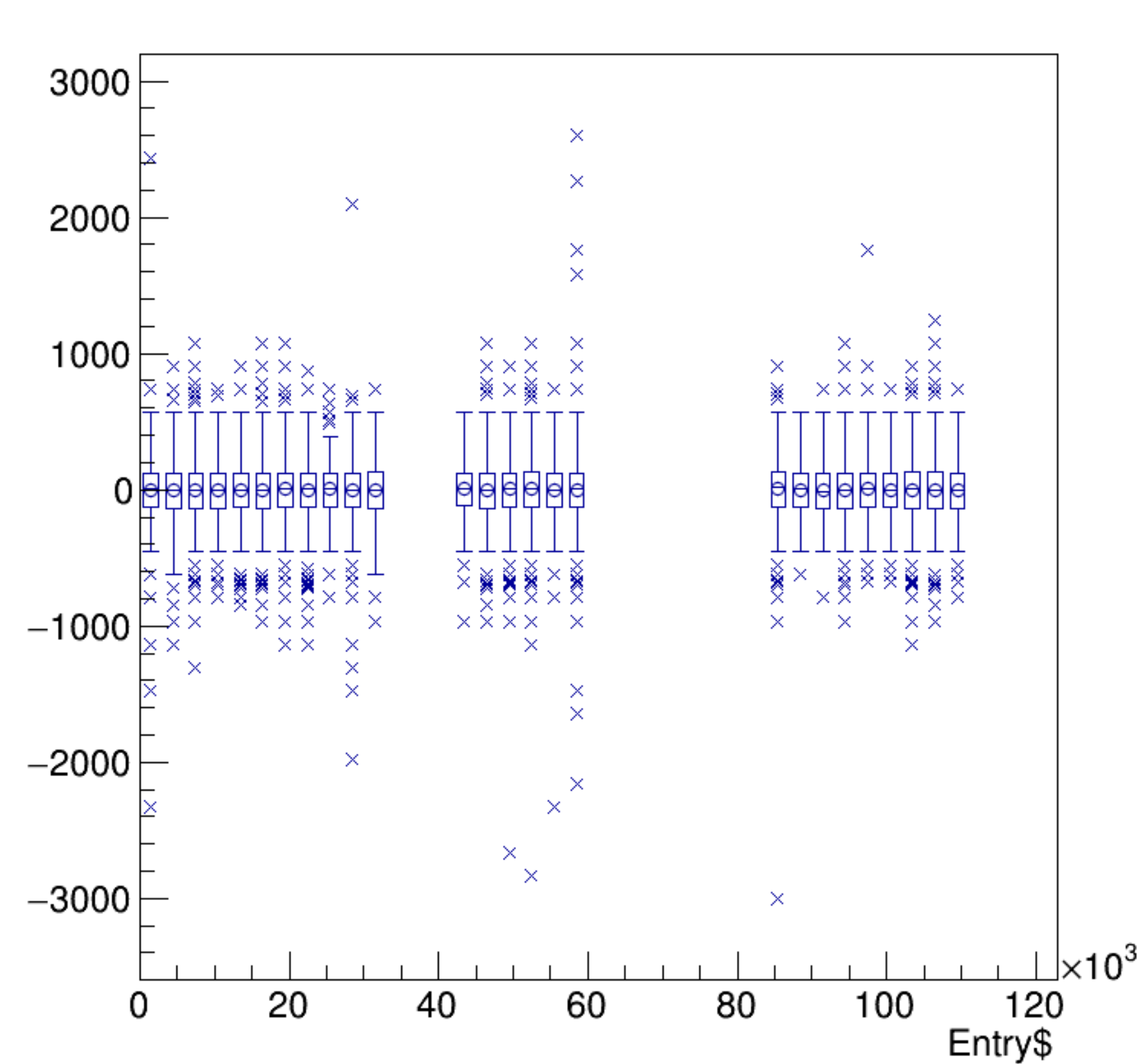
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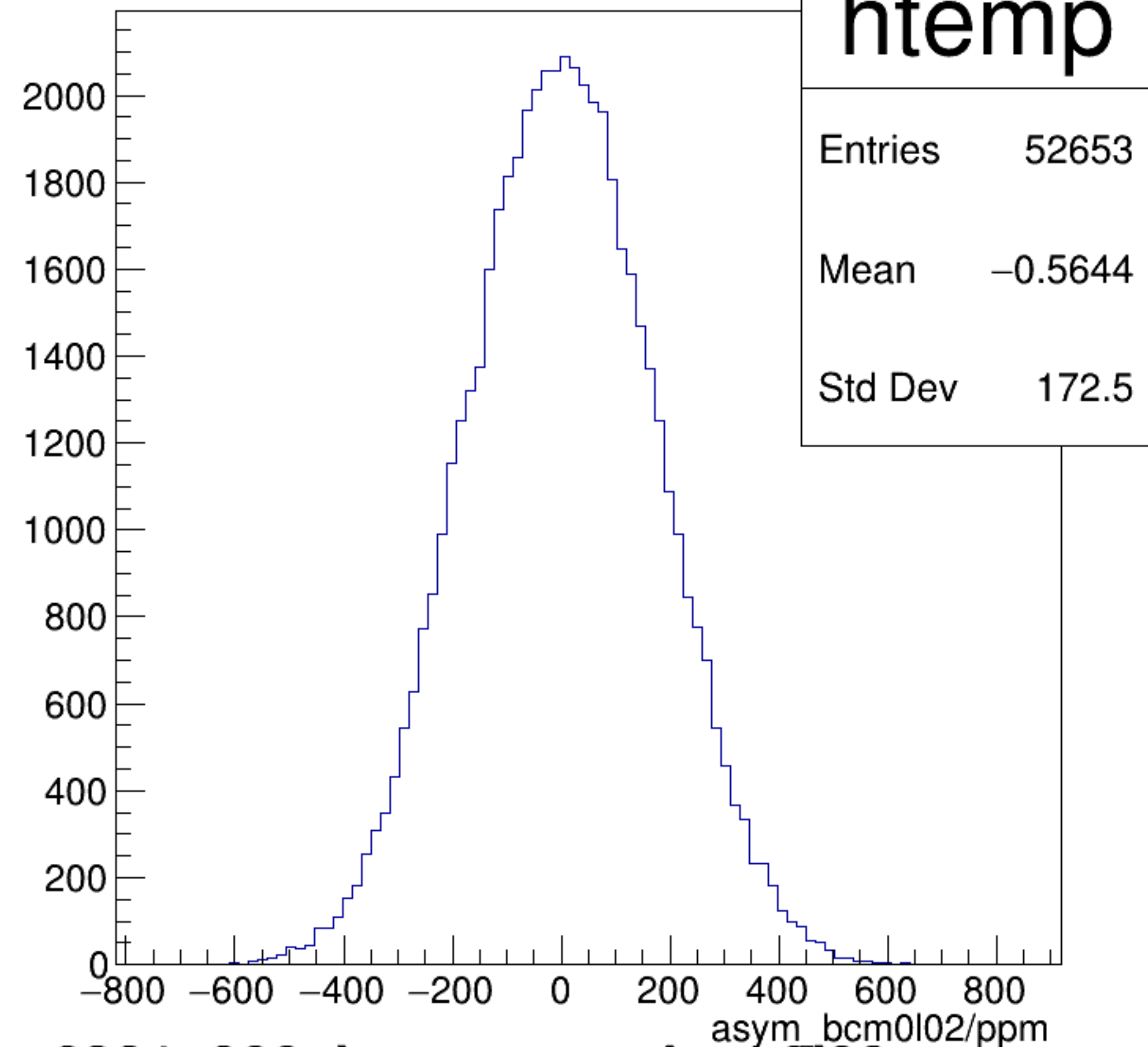
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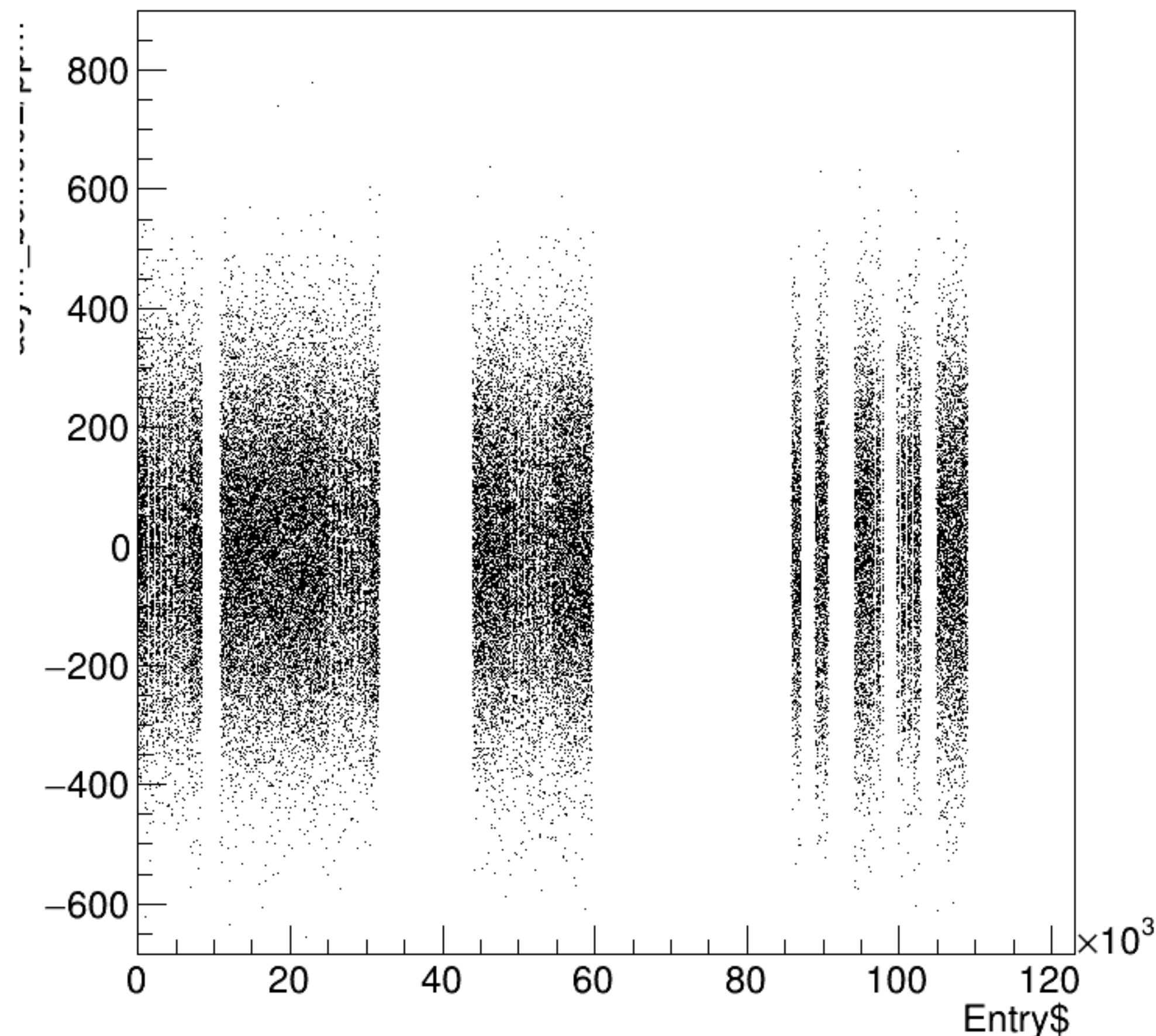
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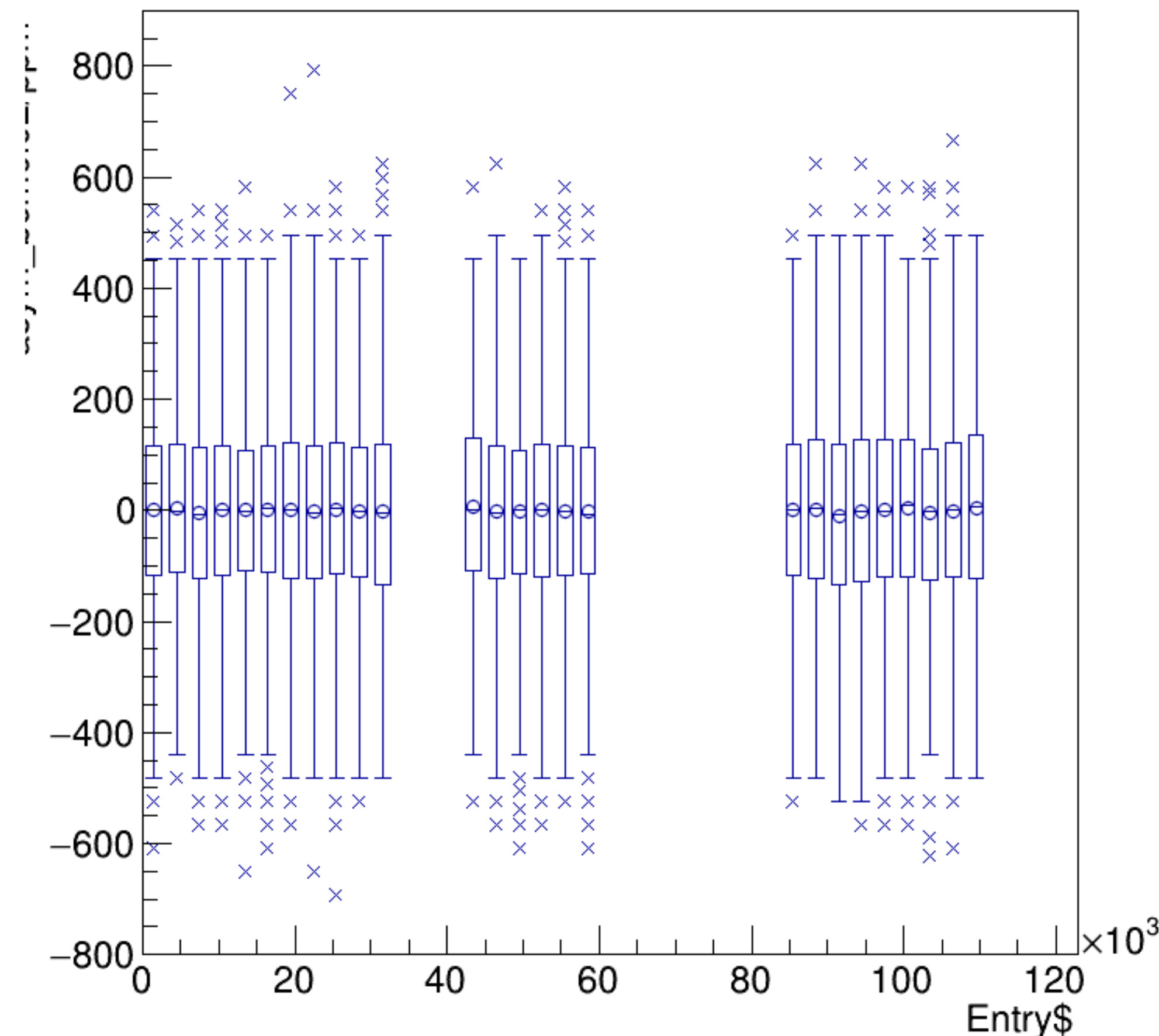
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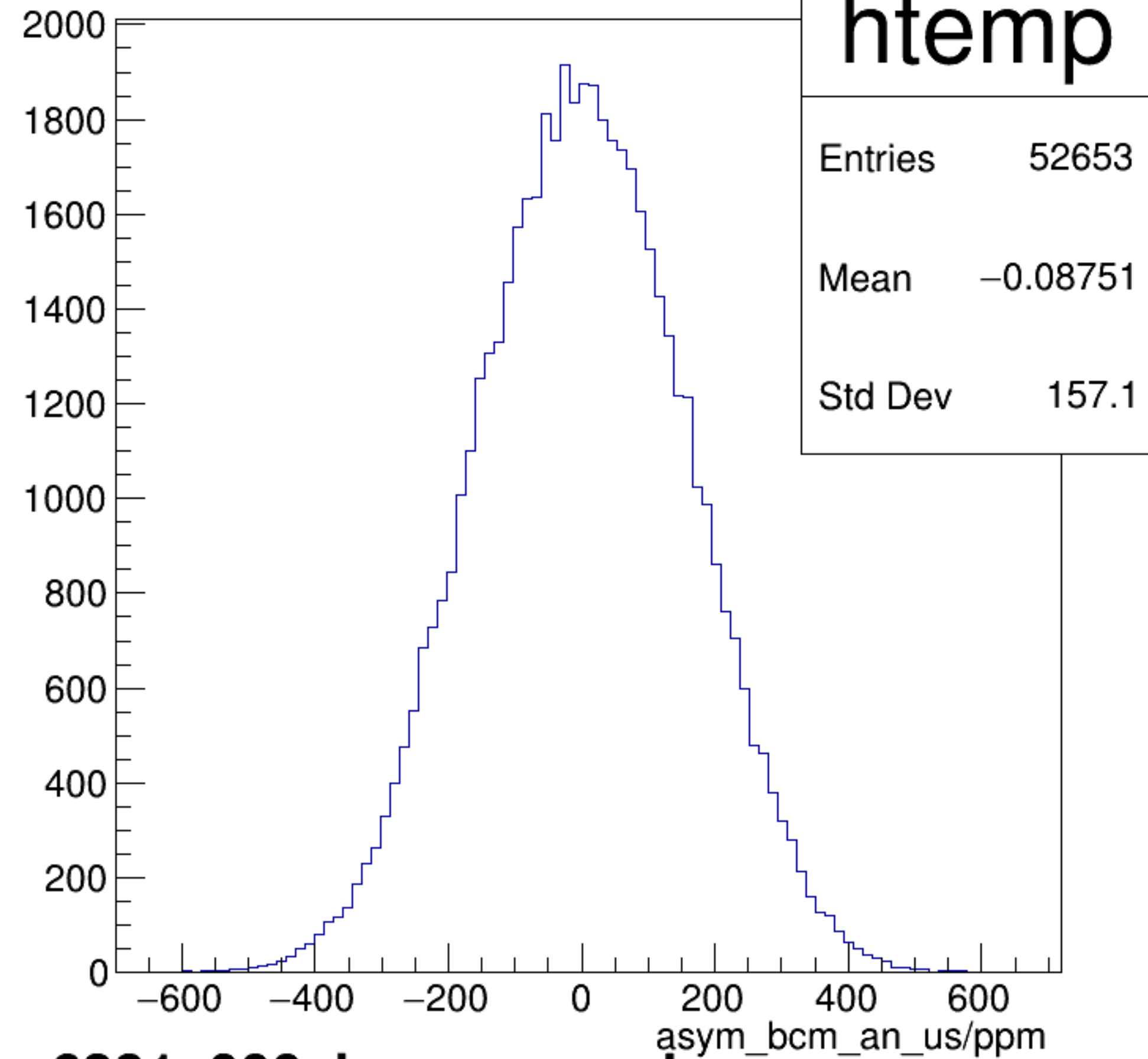
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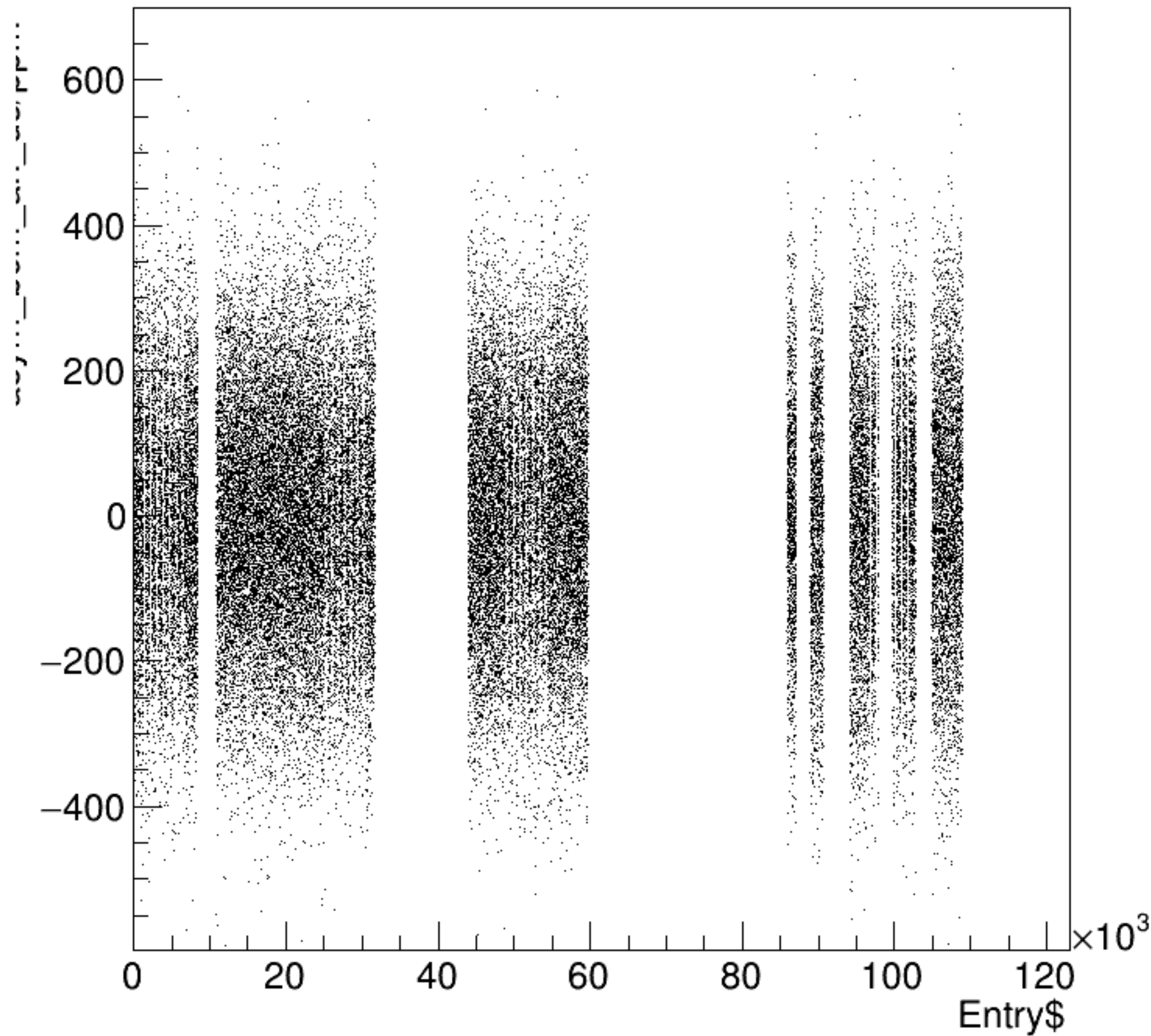
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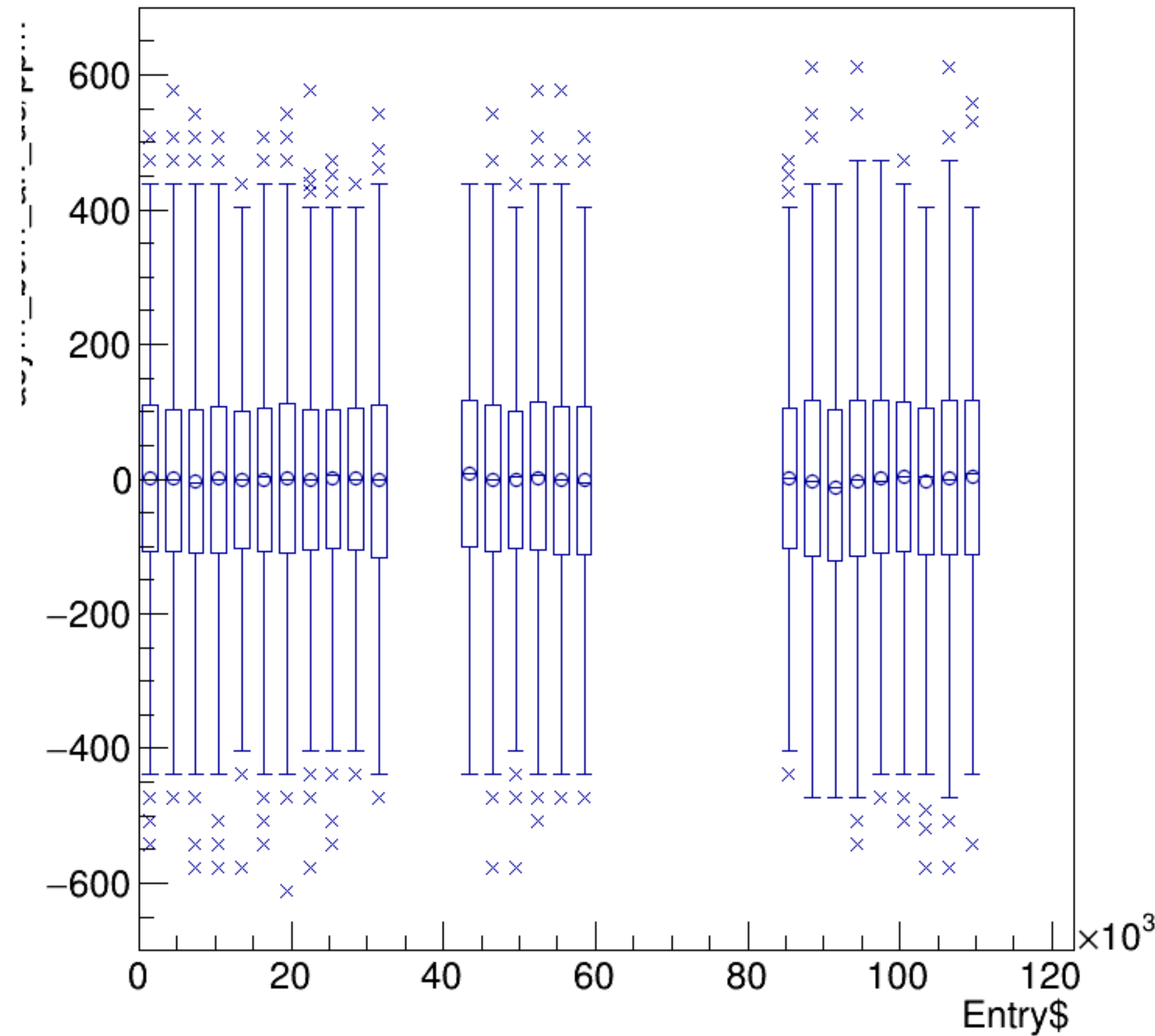
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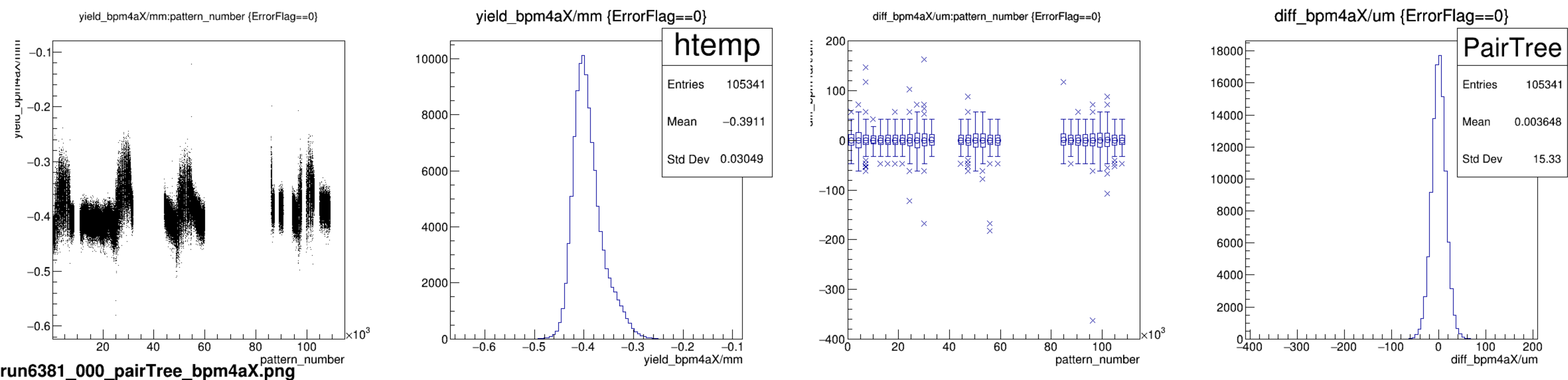


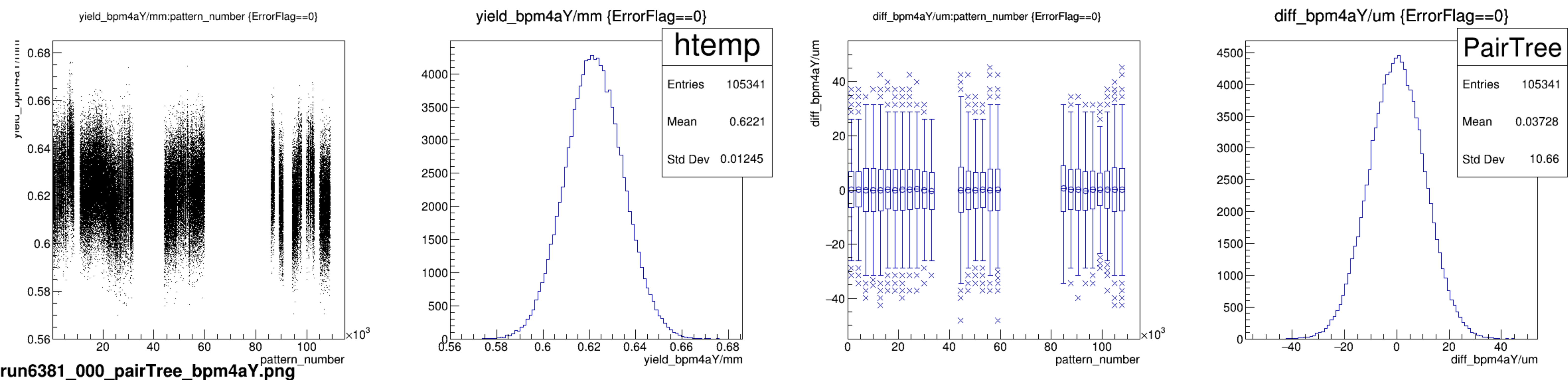
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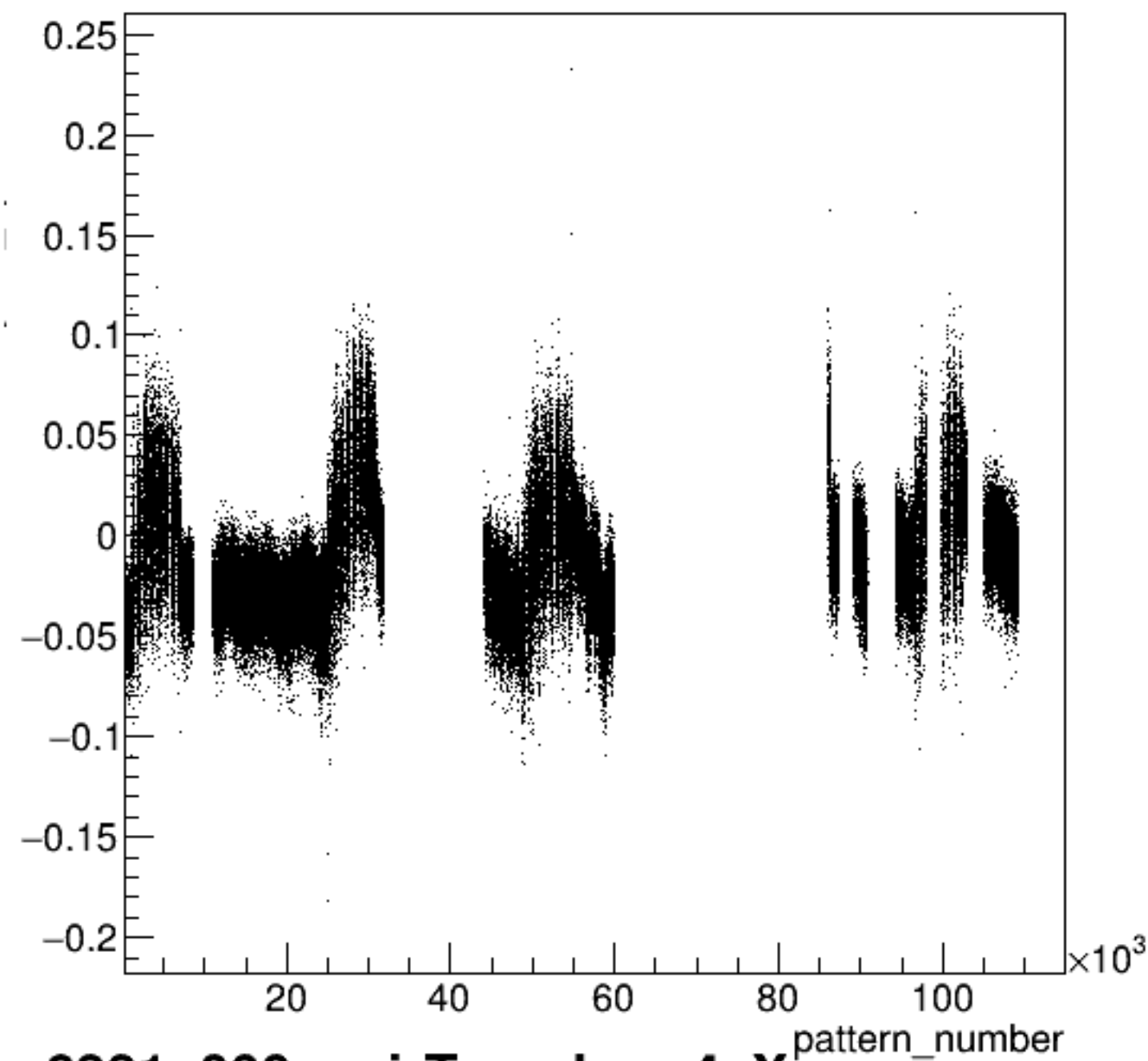
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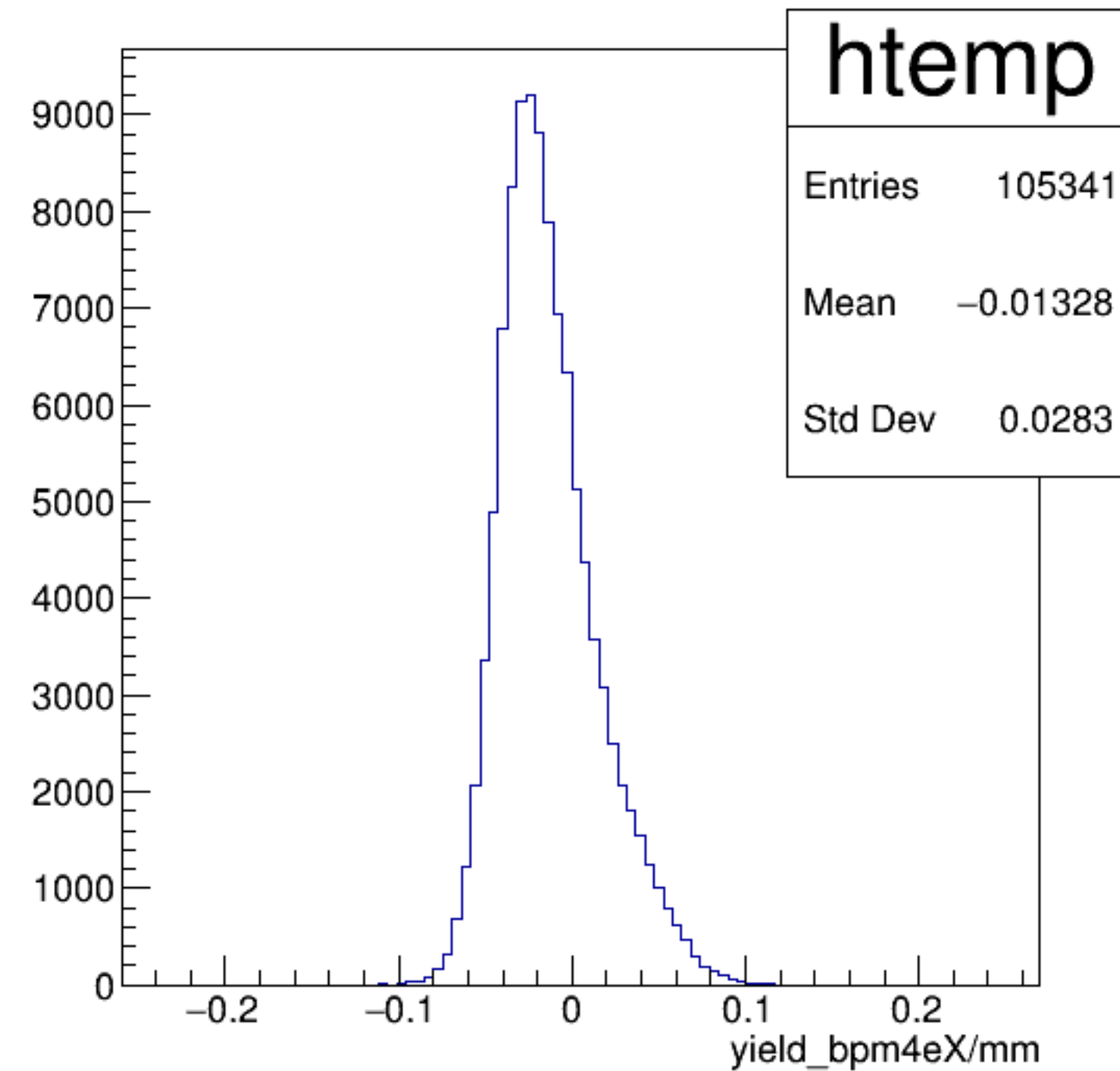


yield_bpm4eX/mm:pattern_number {ErrorFlag==0}

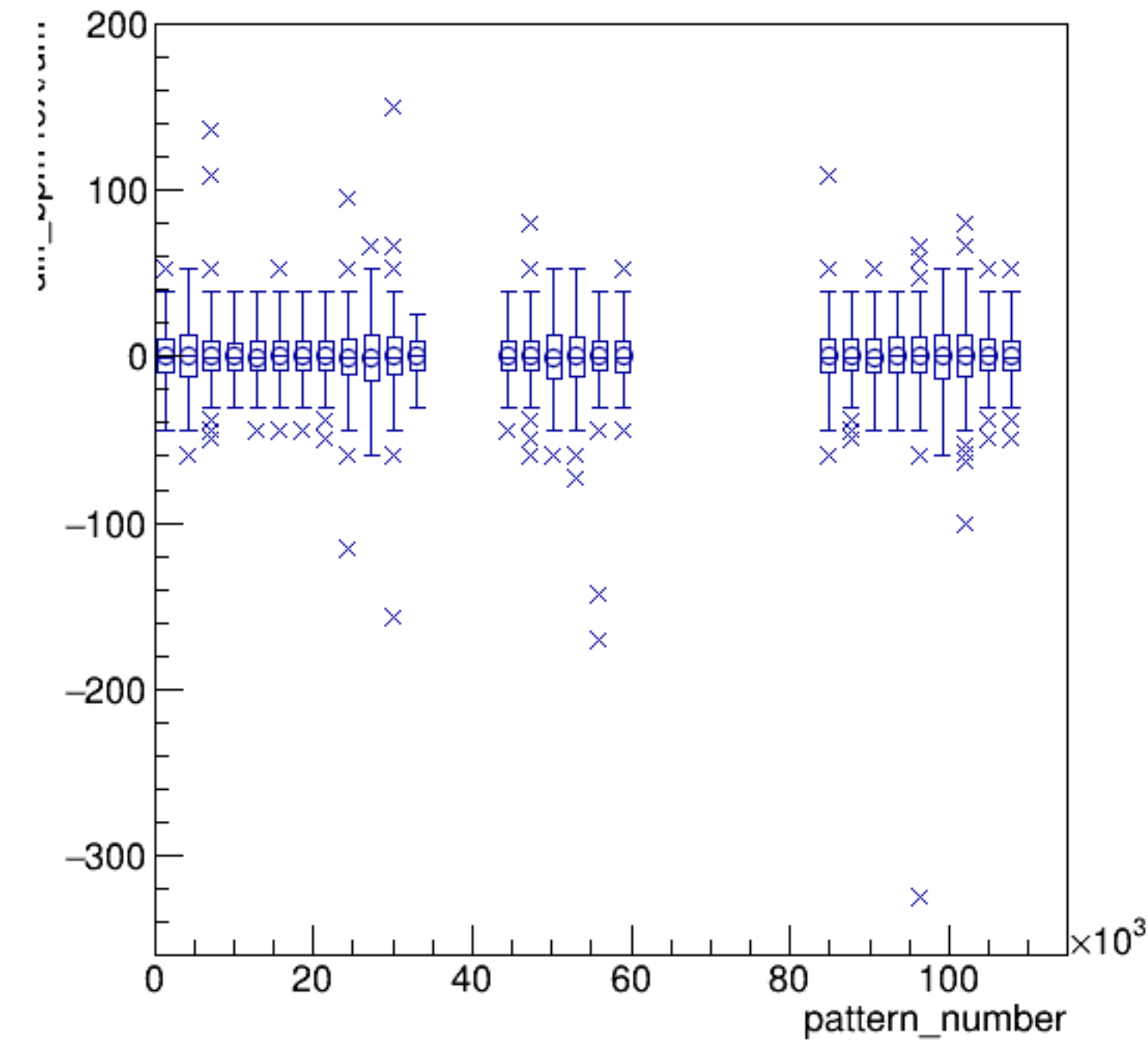


run6381_000_pairTree_bpm4eX.png

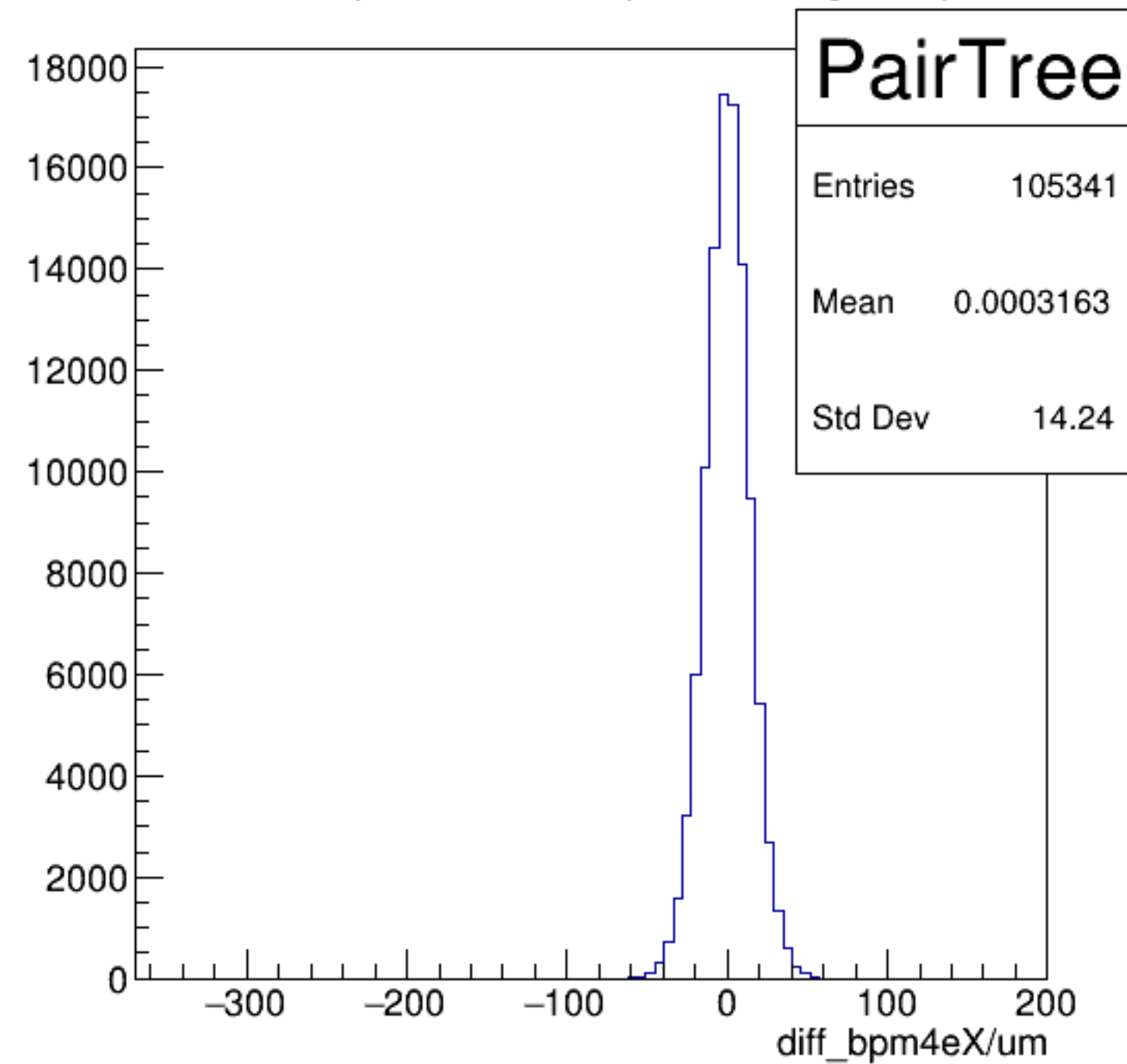
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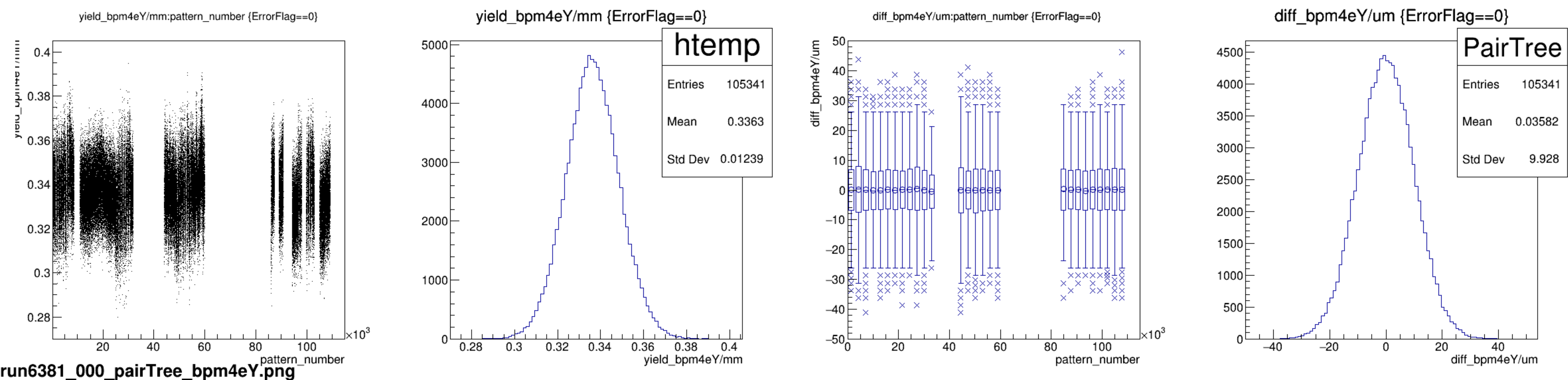


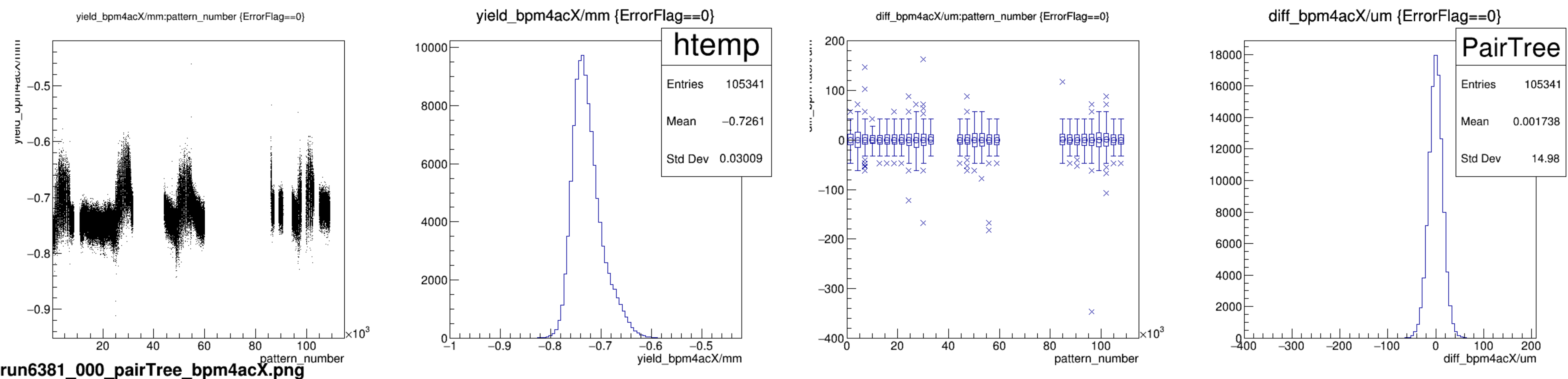
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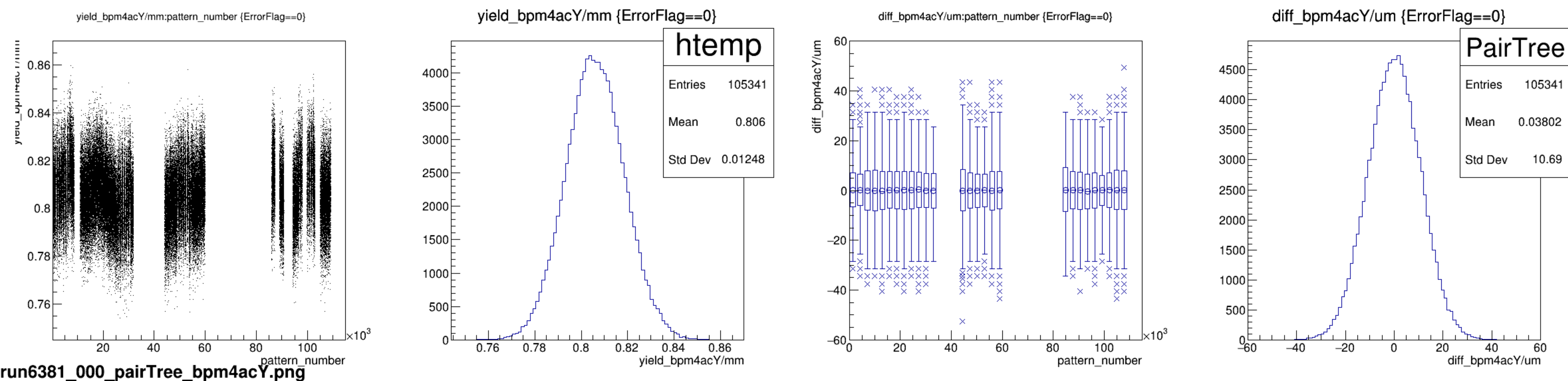


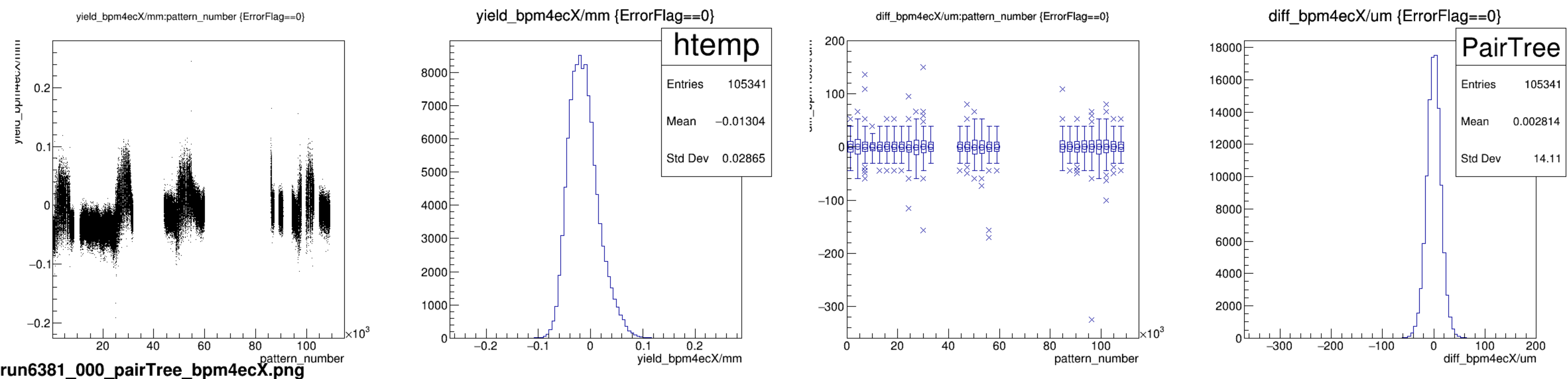
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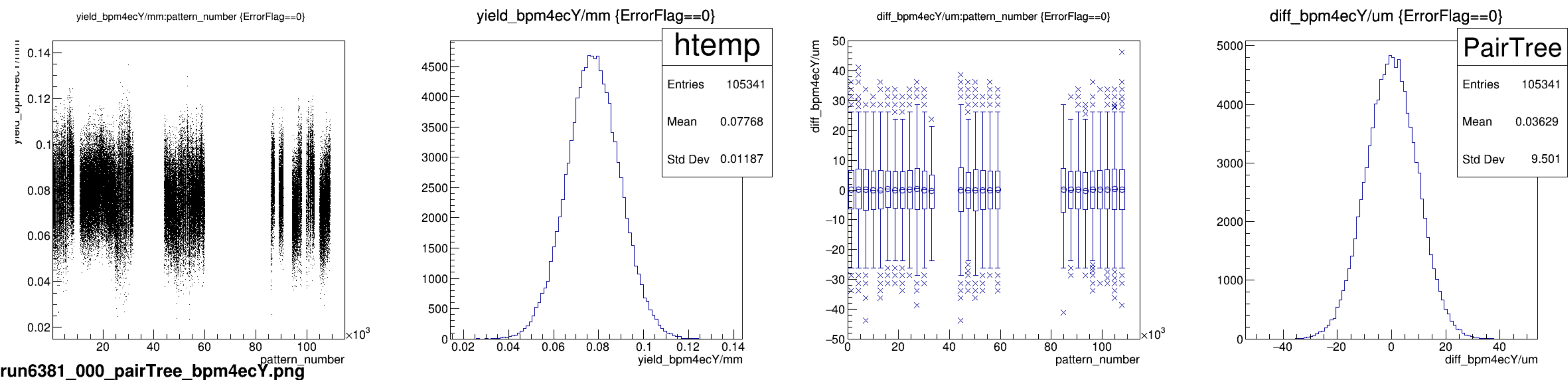


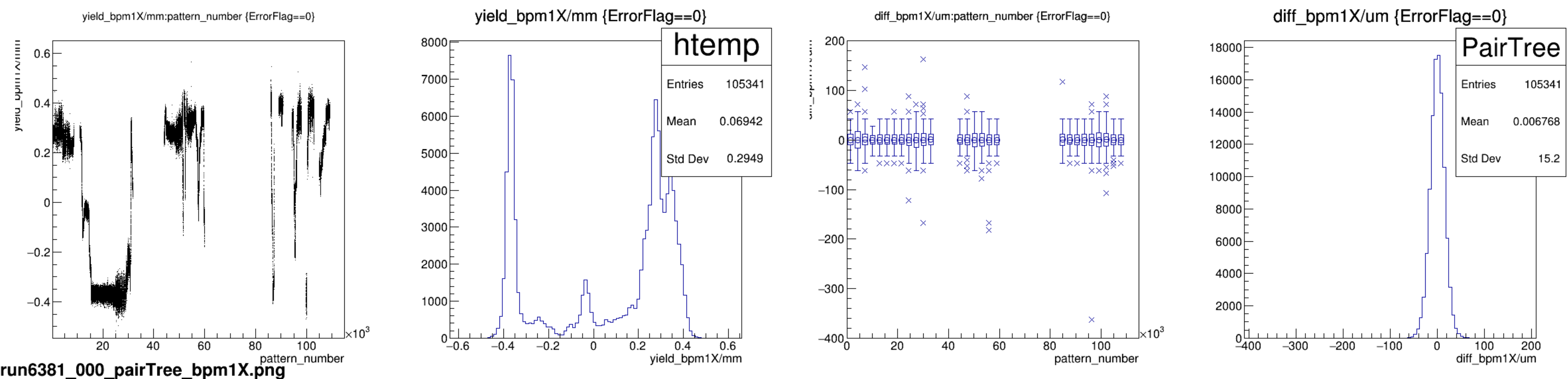


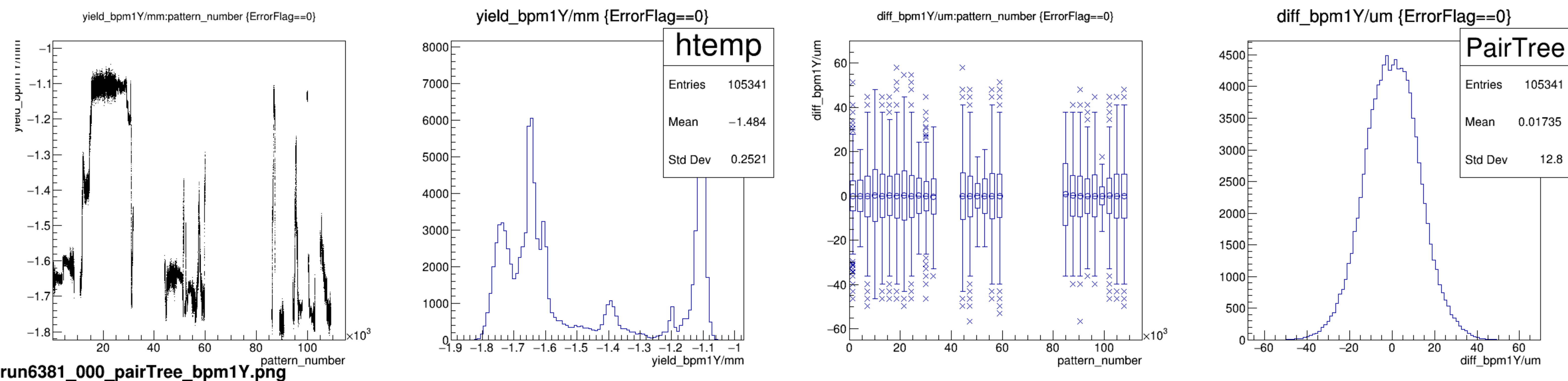


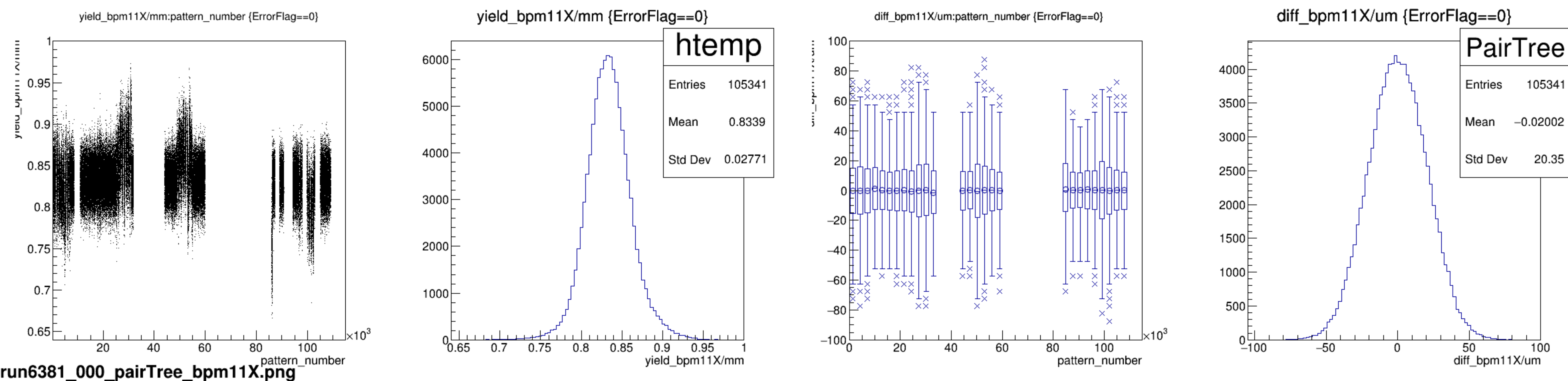


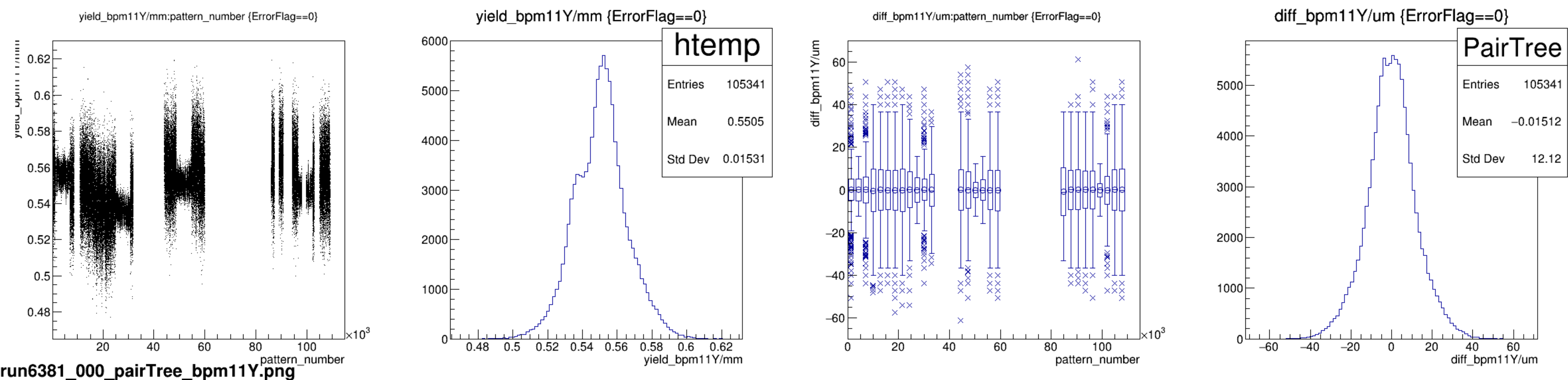


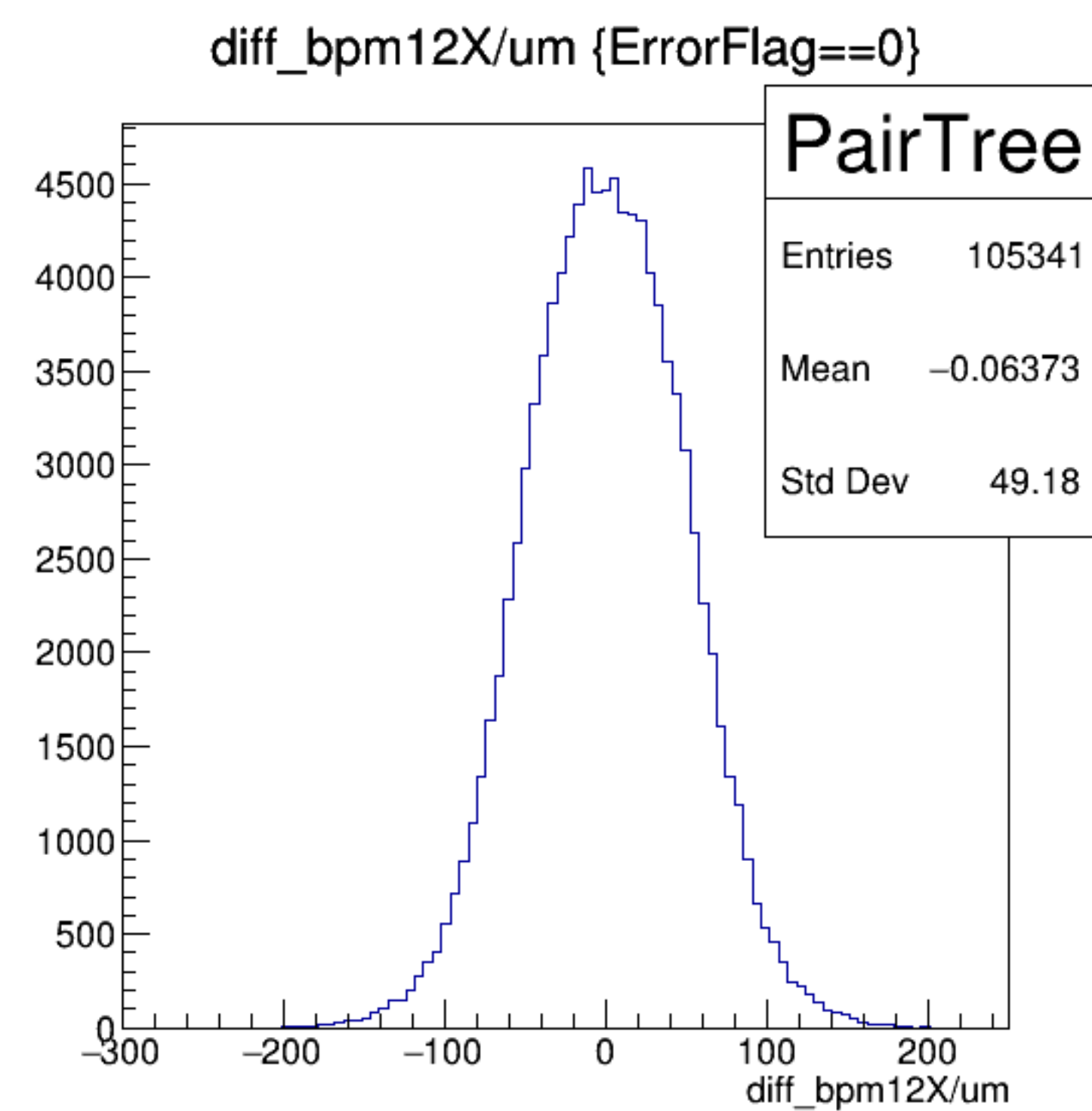
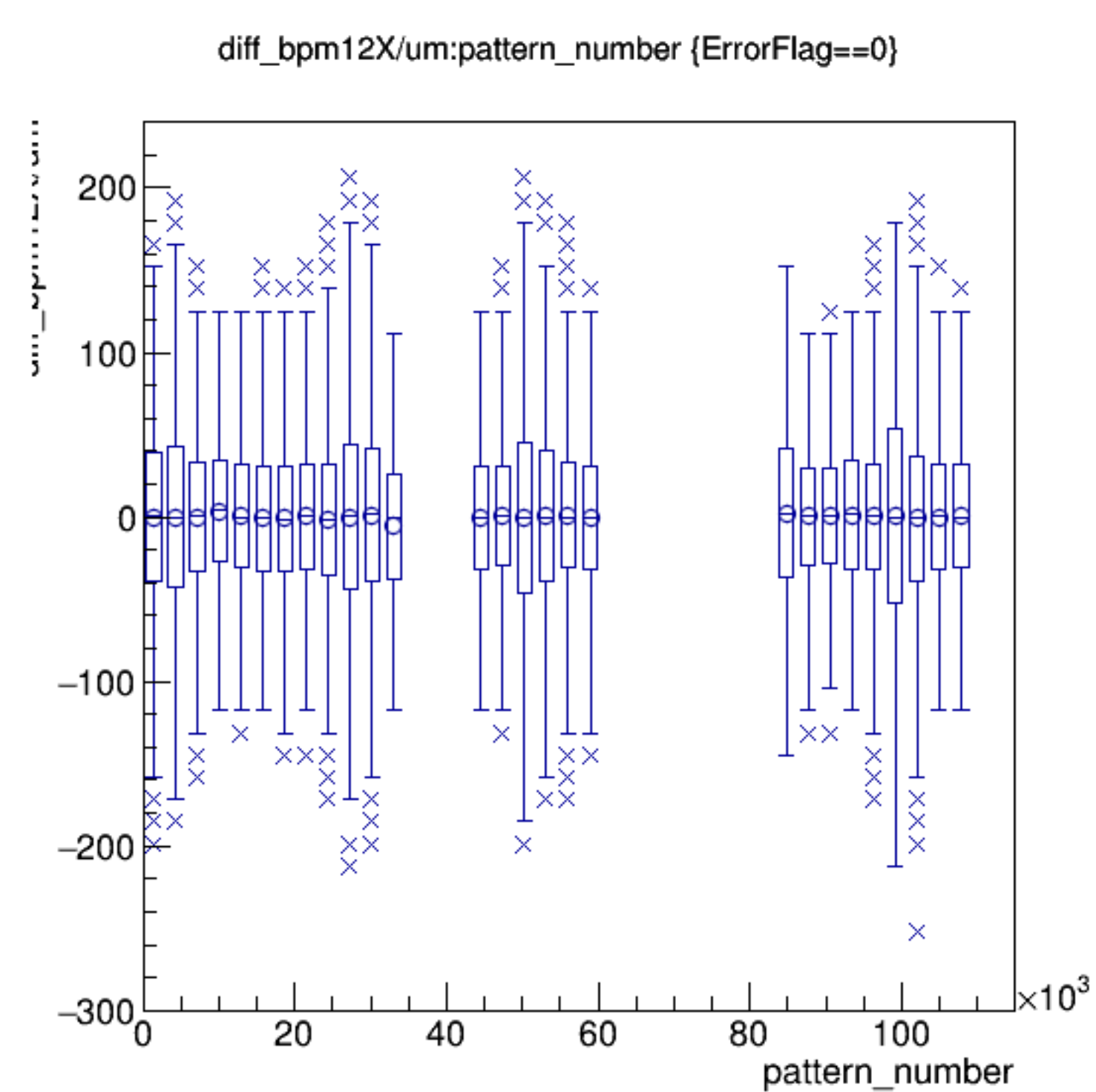
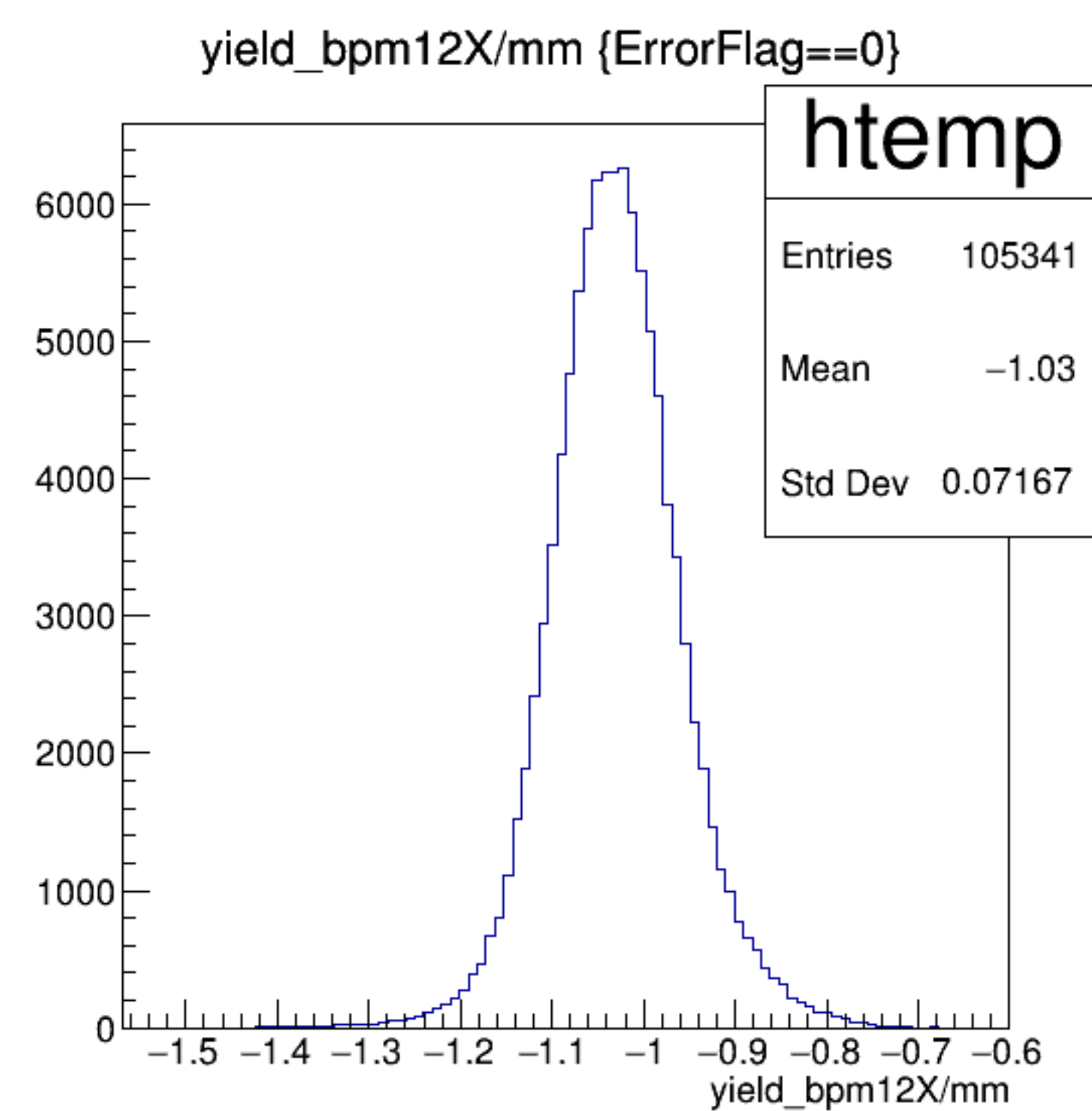
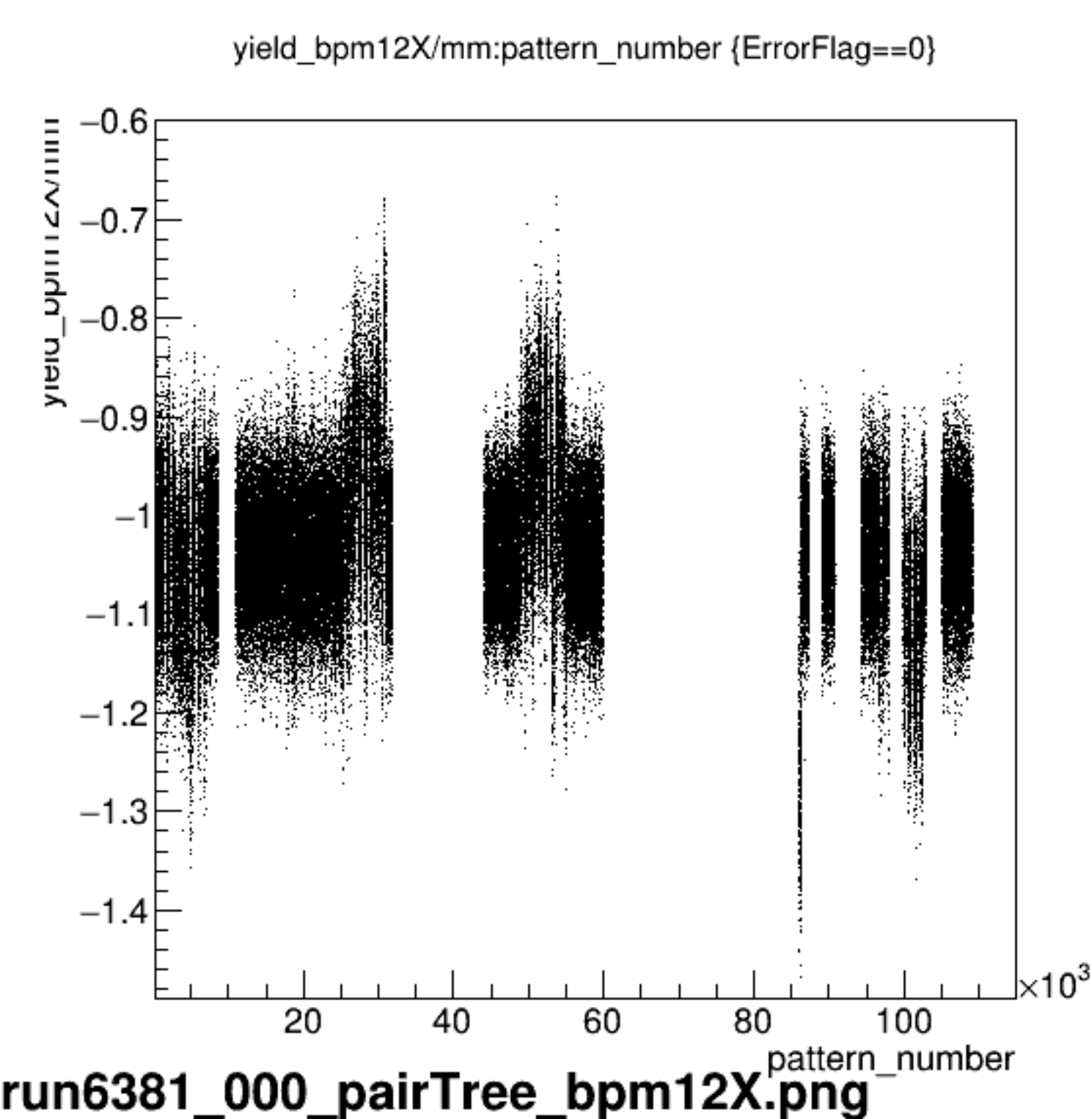


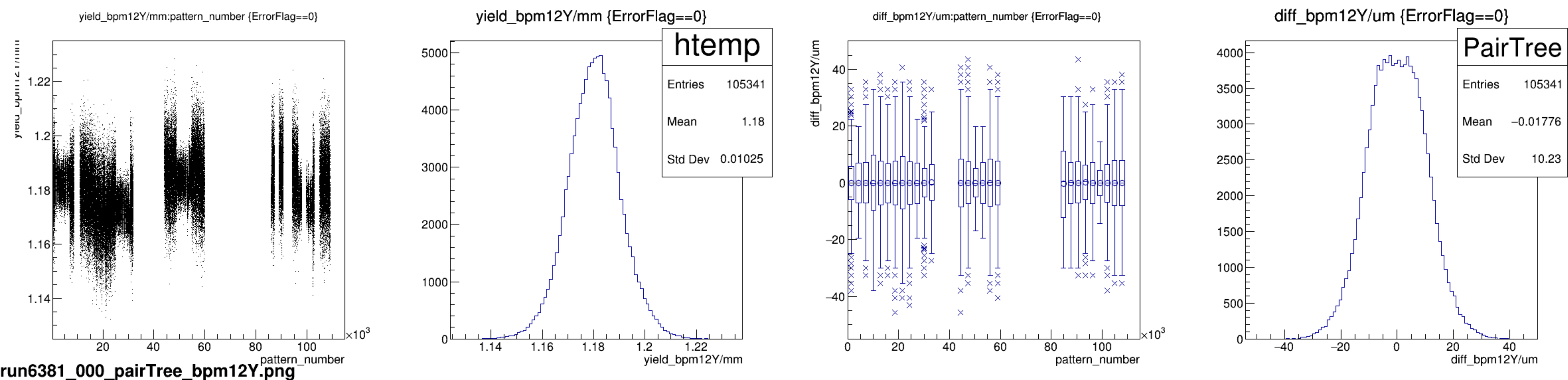




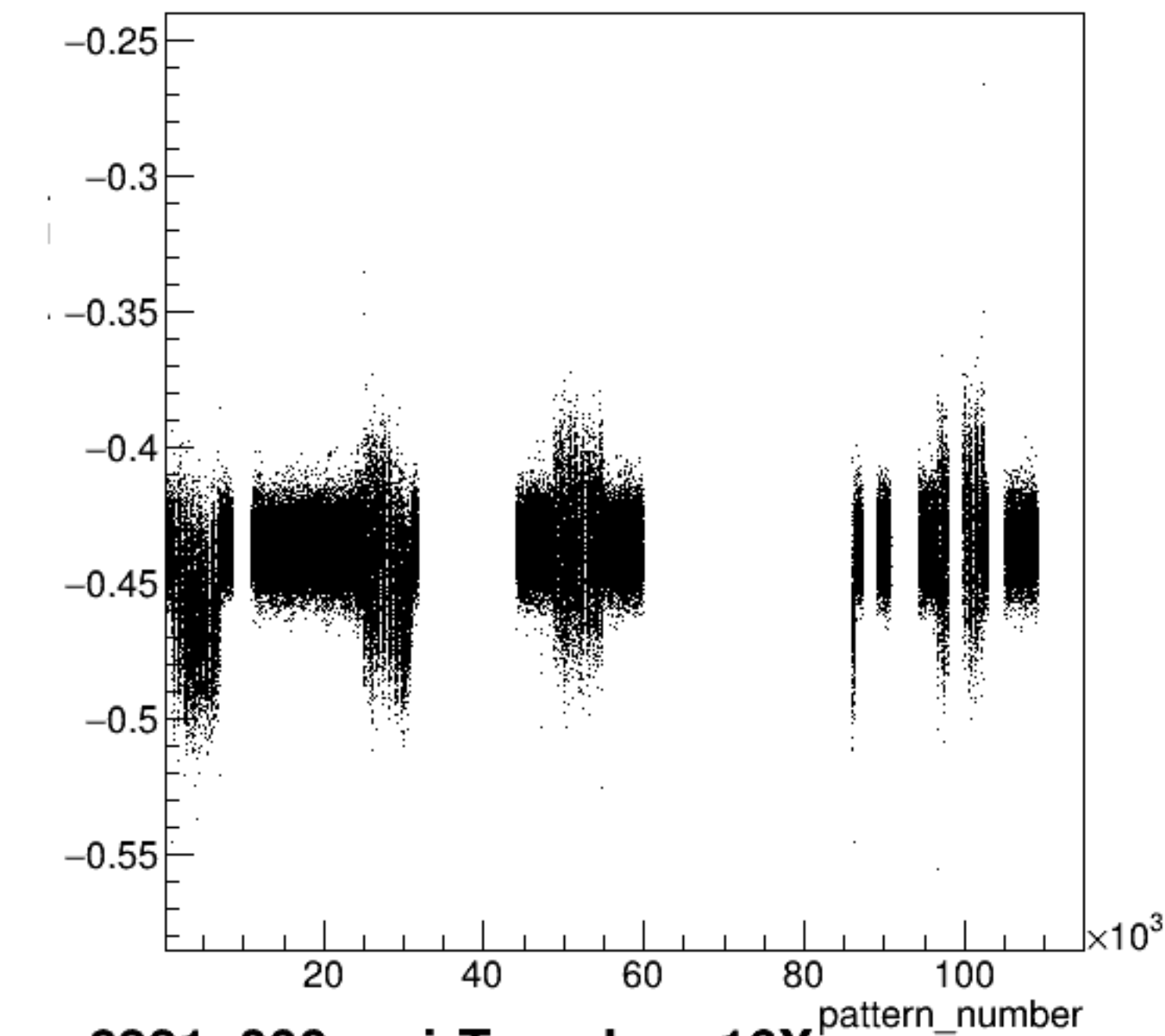






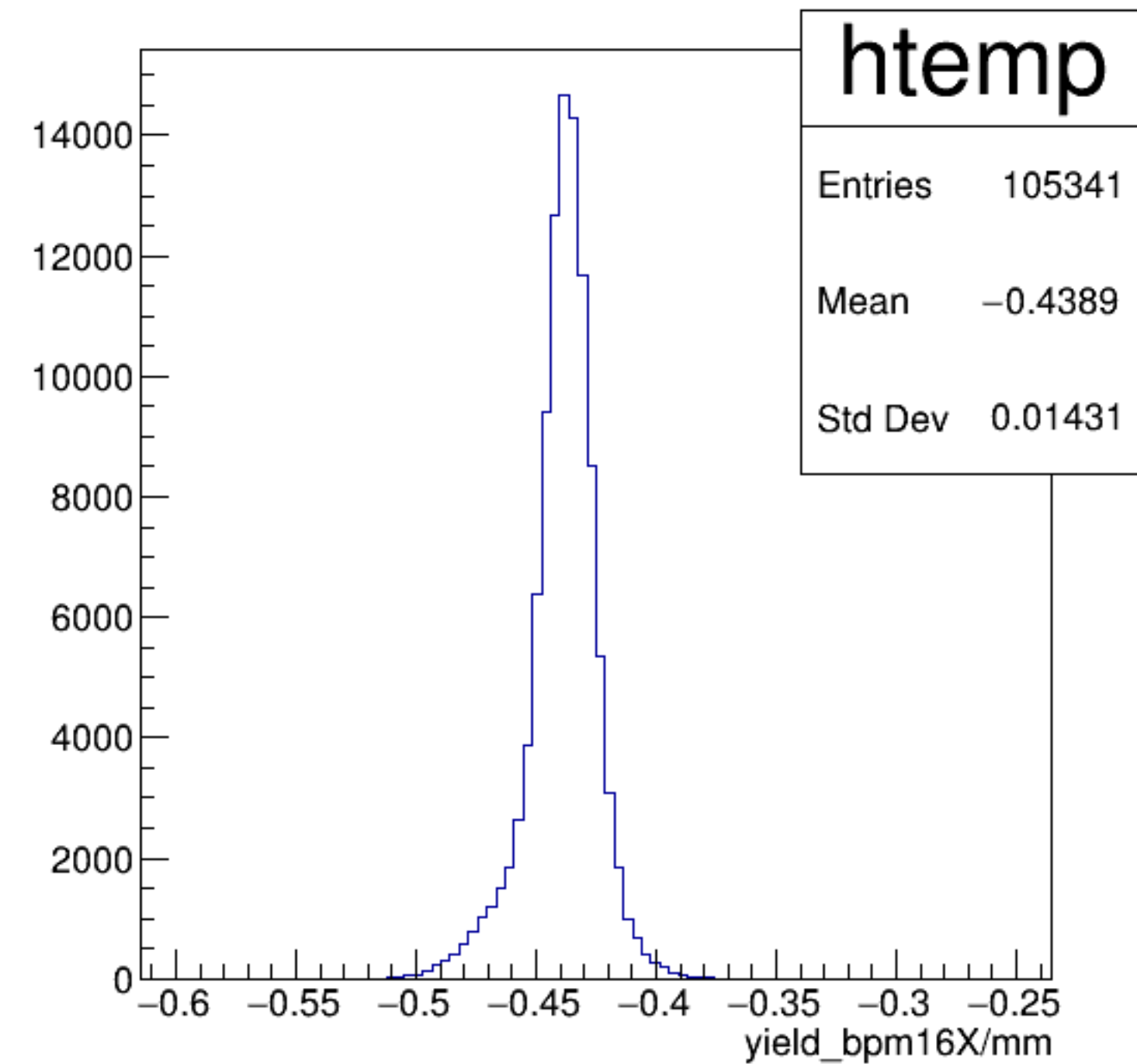


yield_bpm16X/mm:pattern_number {ErrorFlag==0}

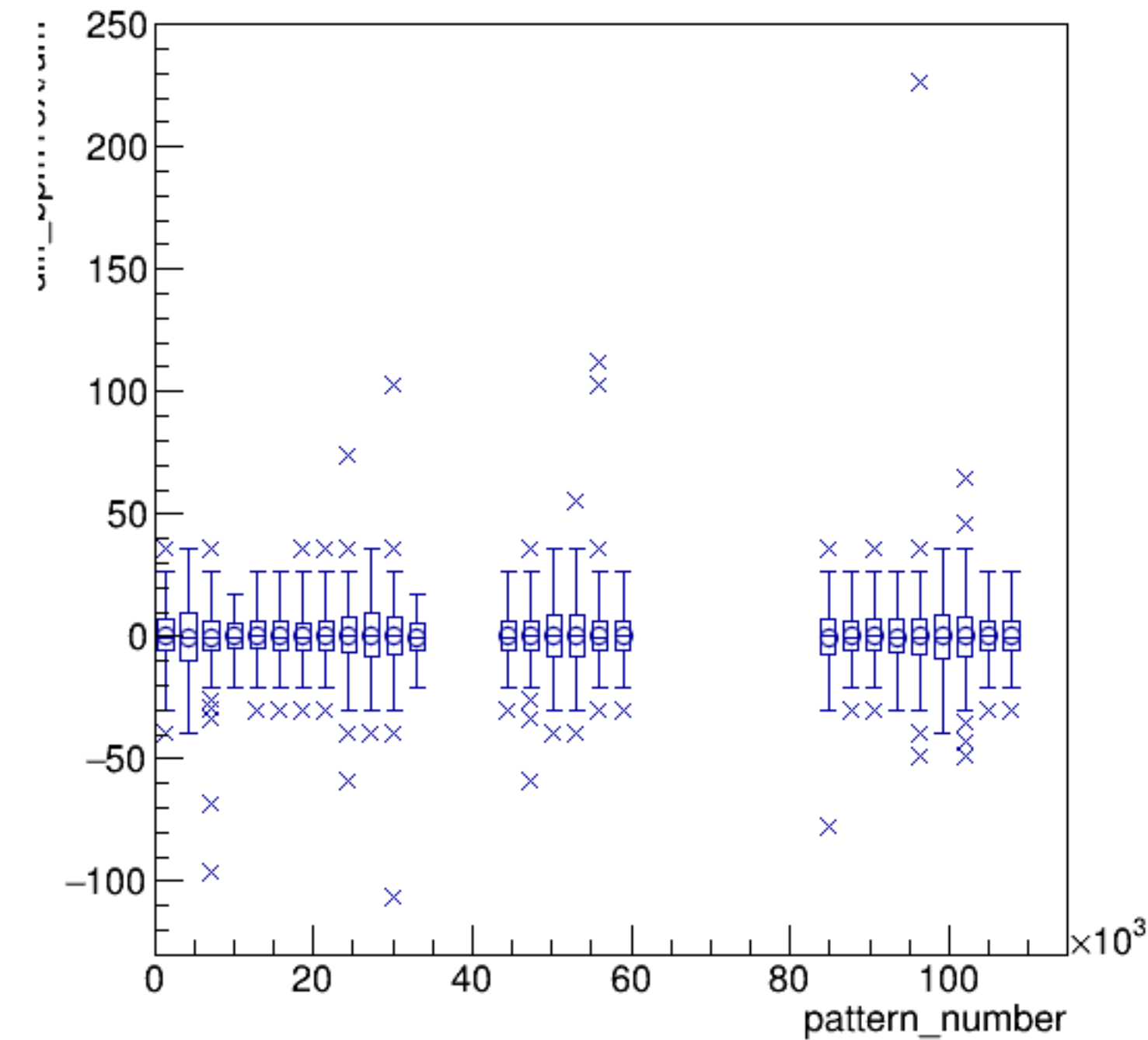


run6381_000_pairTree_bpm16X.png

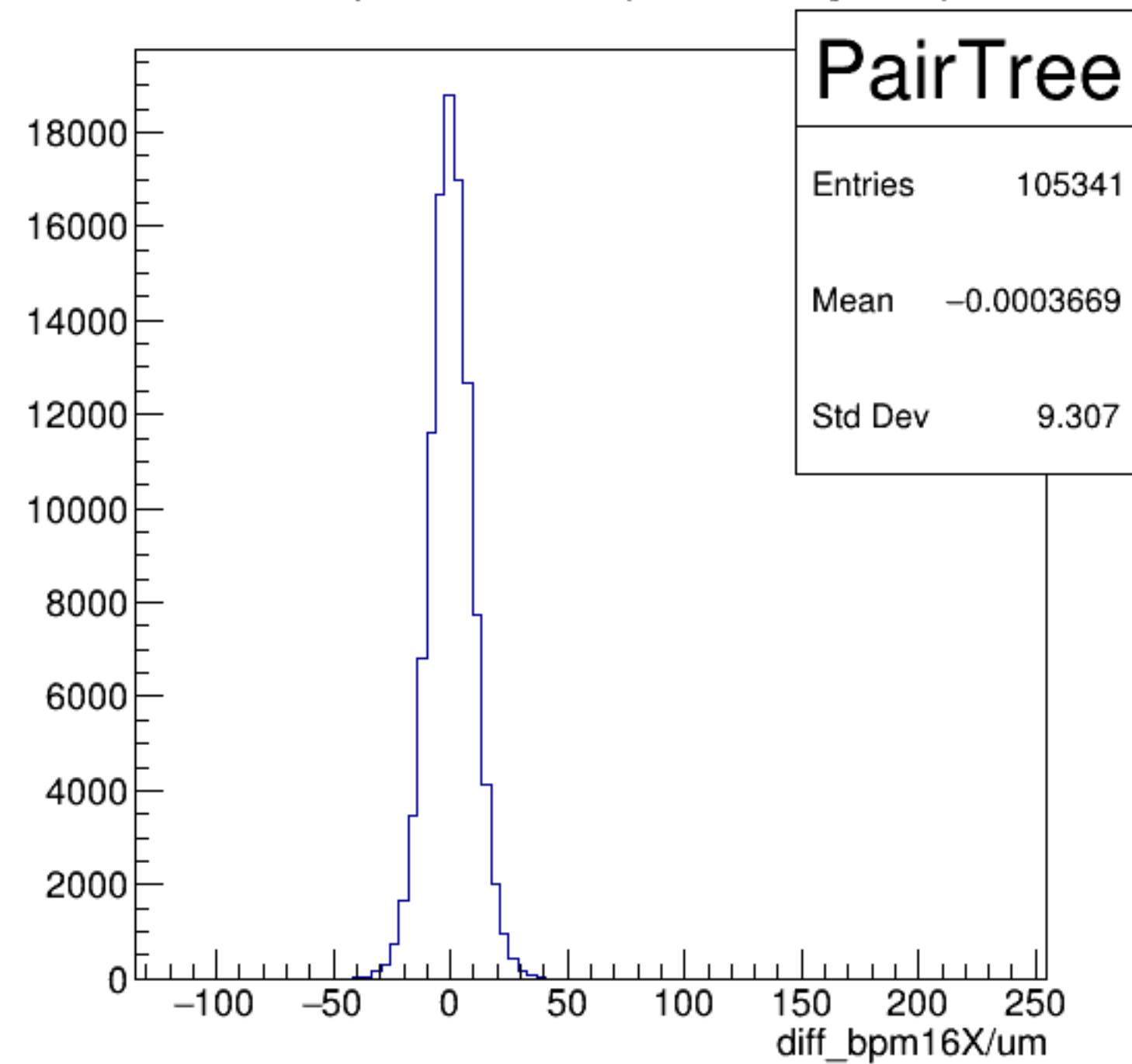
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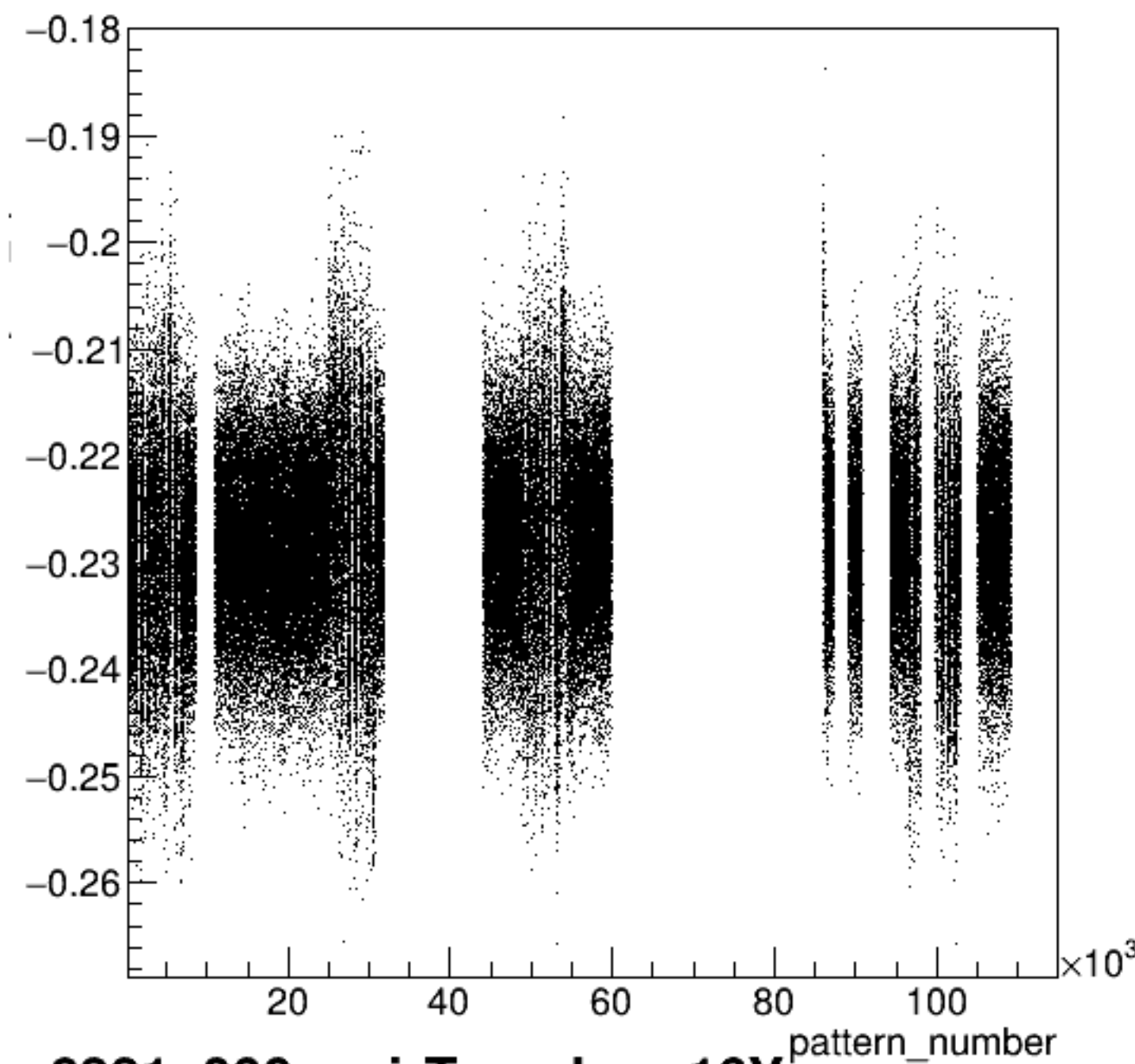
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diff_bpm16X/um {ErrorFlag==0}

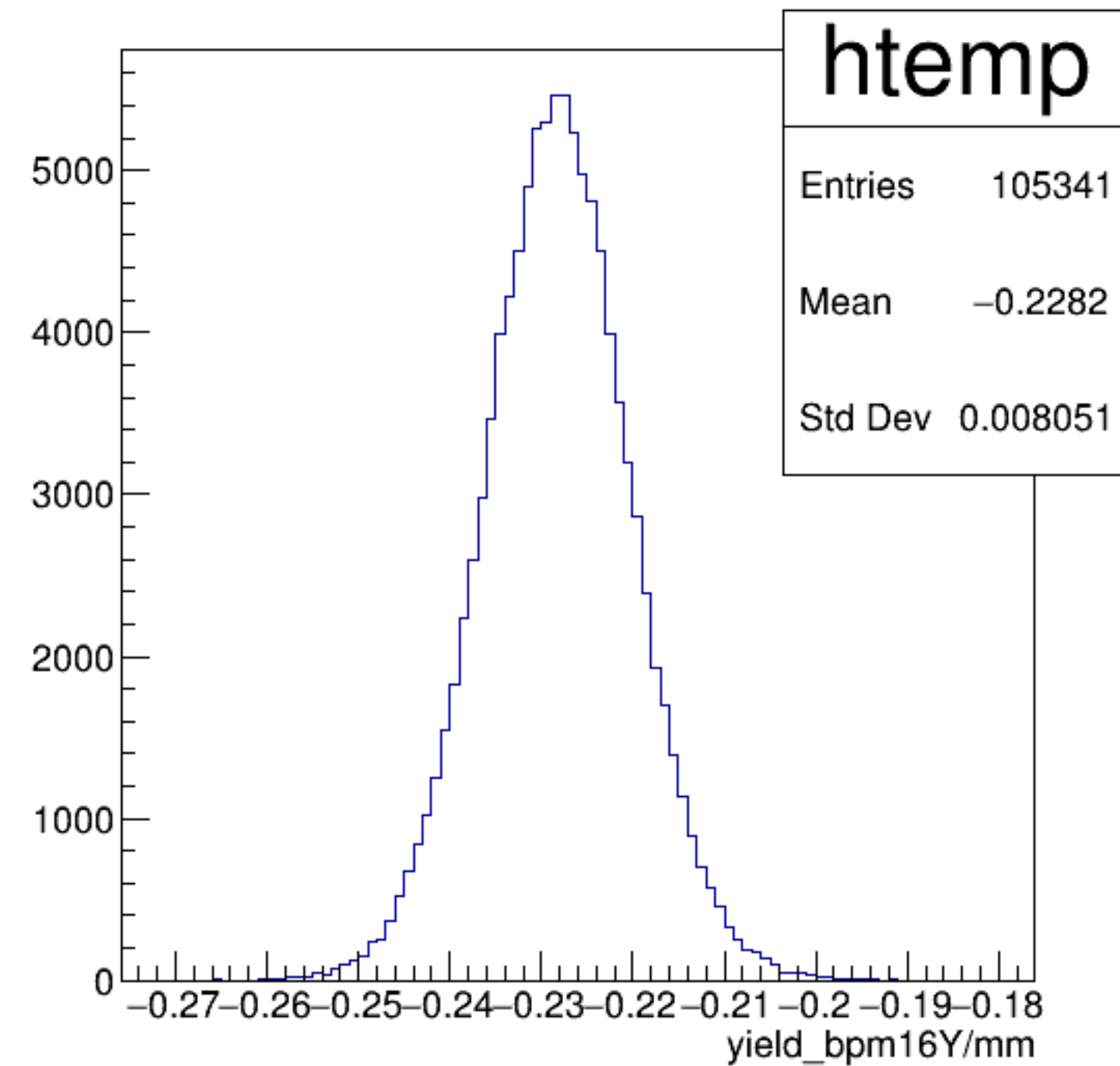


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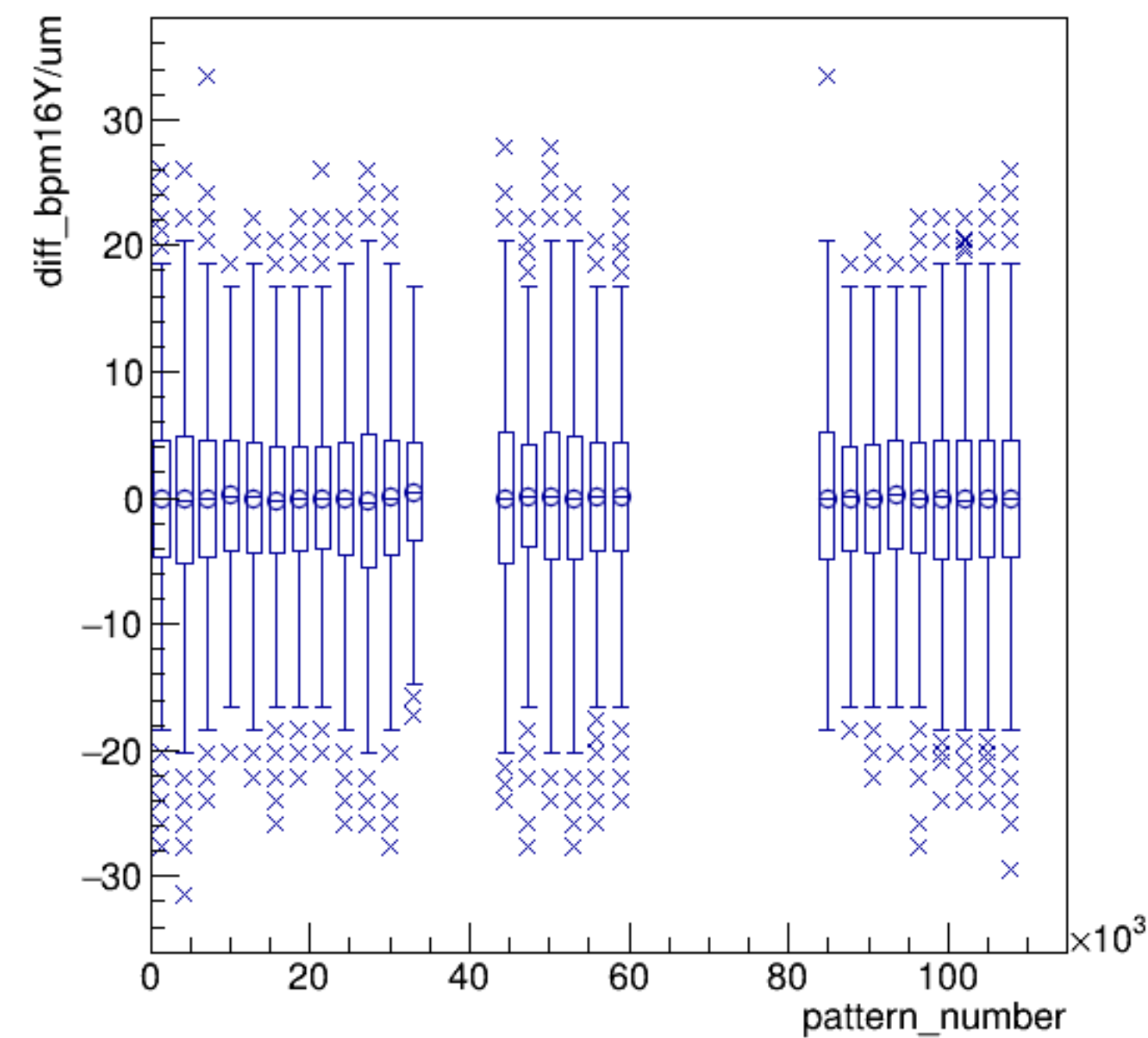


run6381_000_pairTree_bpm16Y.png

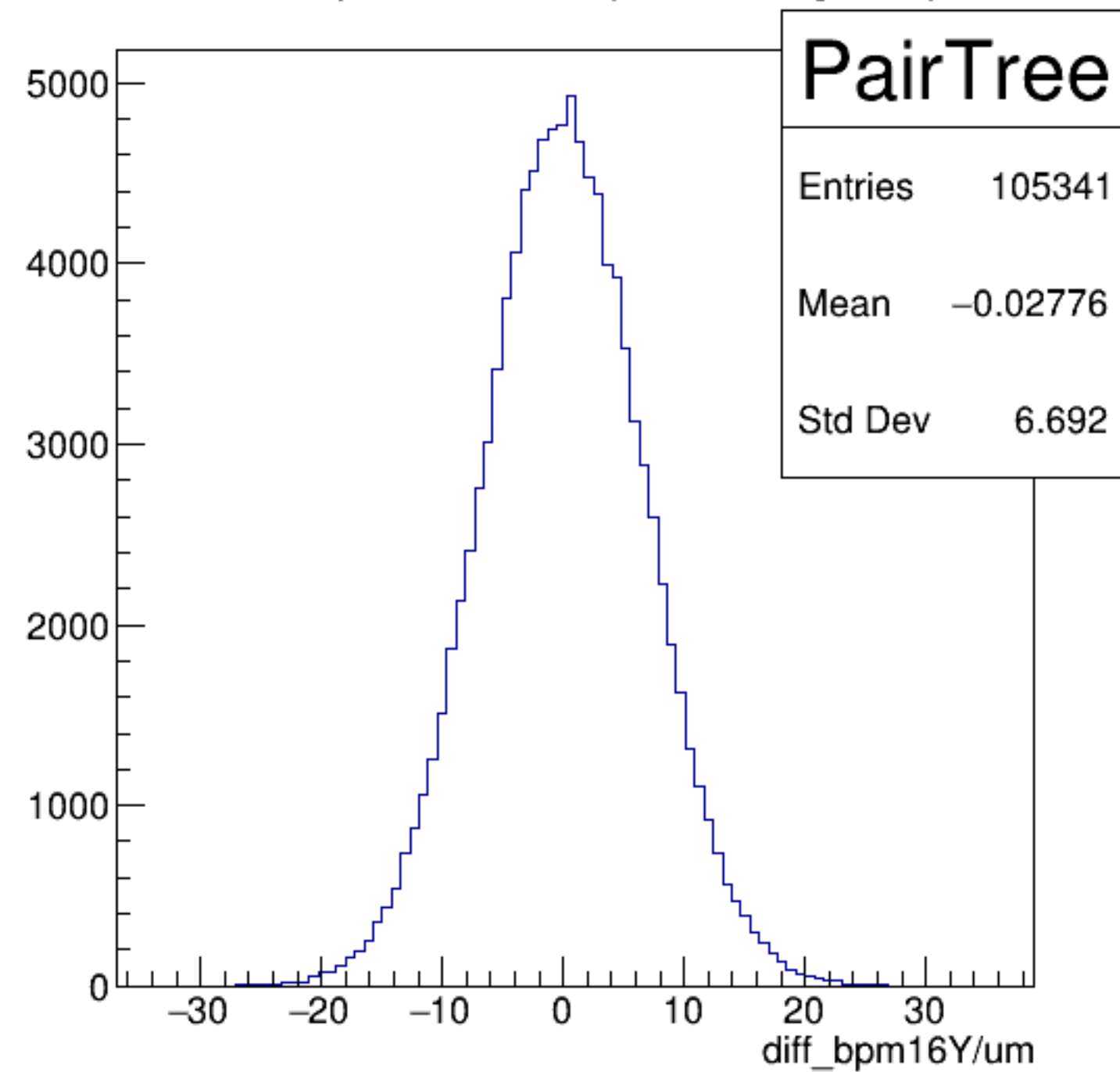
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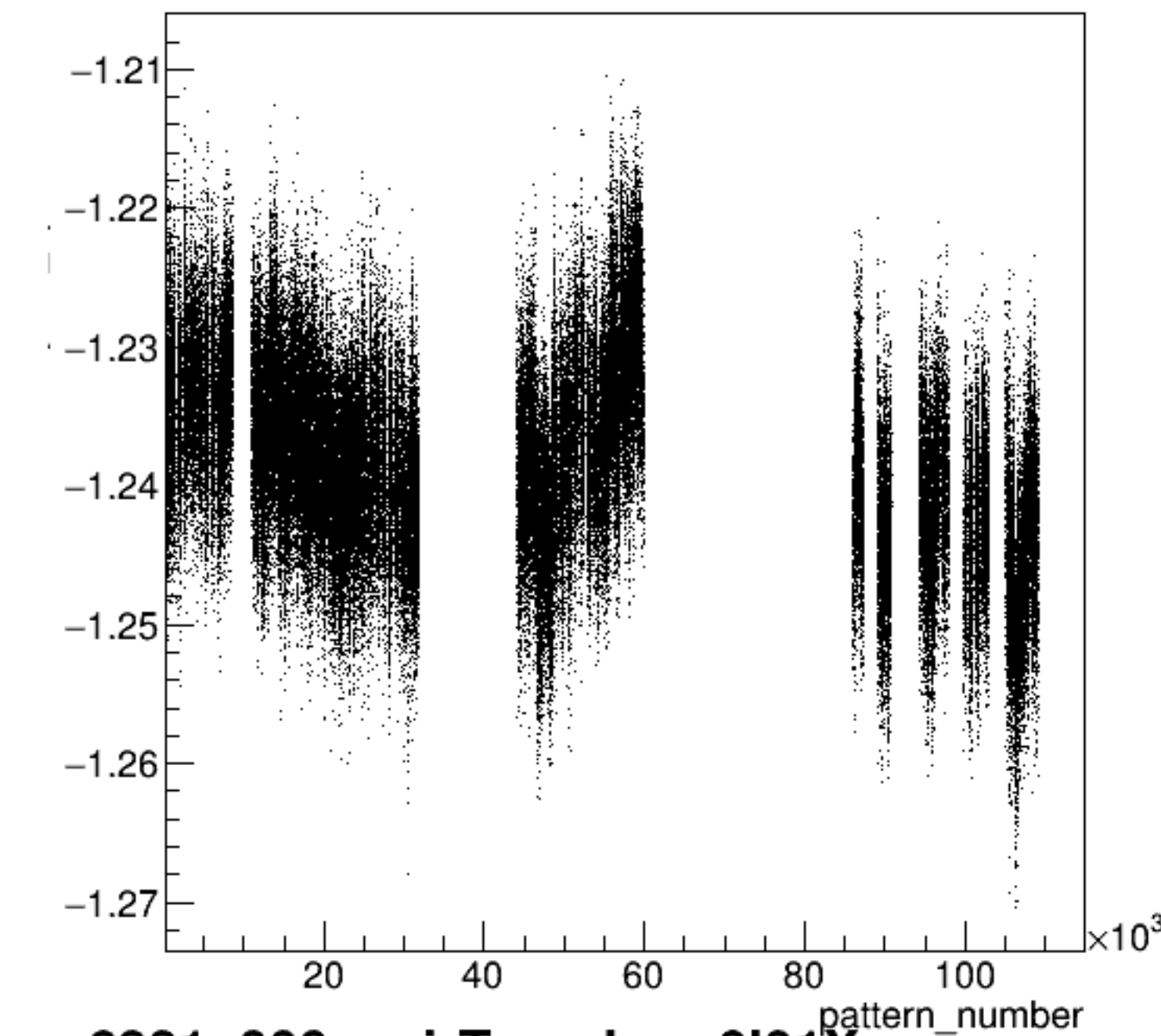
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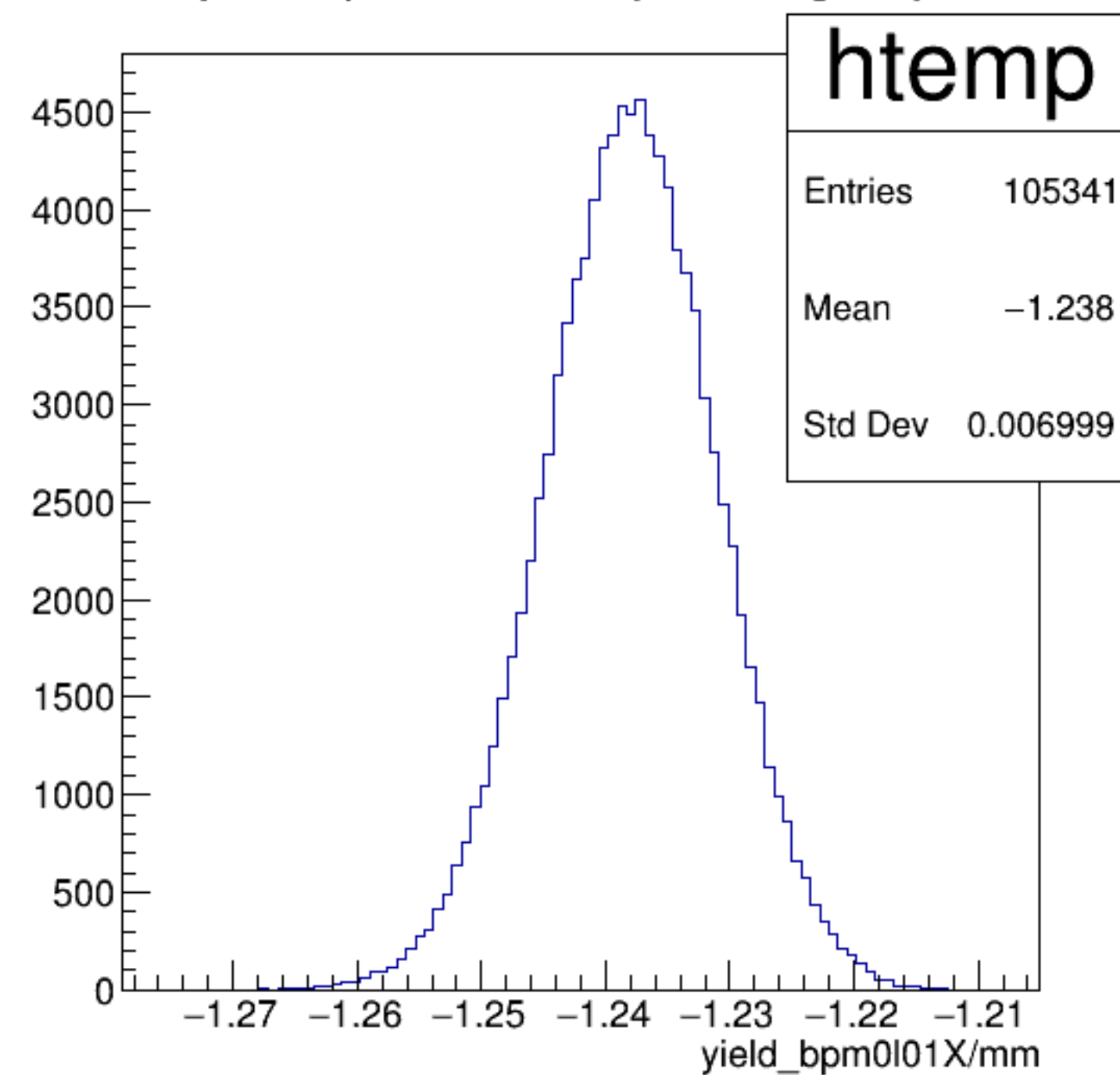


yield_bpm0l01X/mm:pattern_number {ErrorFlag==0}

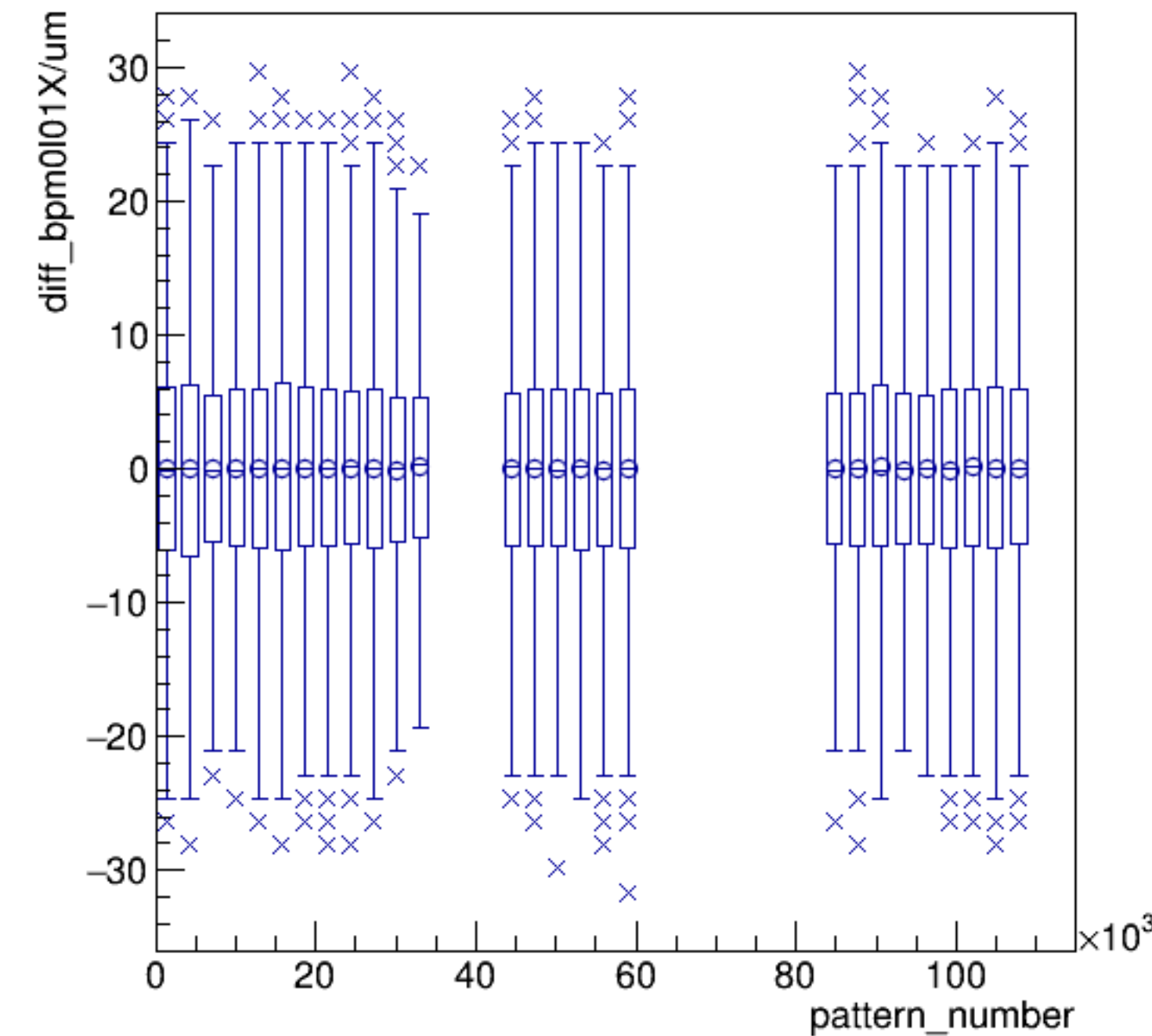


run6381_000_pairTree_bpm0l01X.png

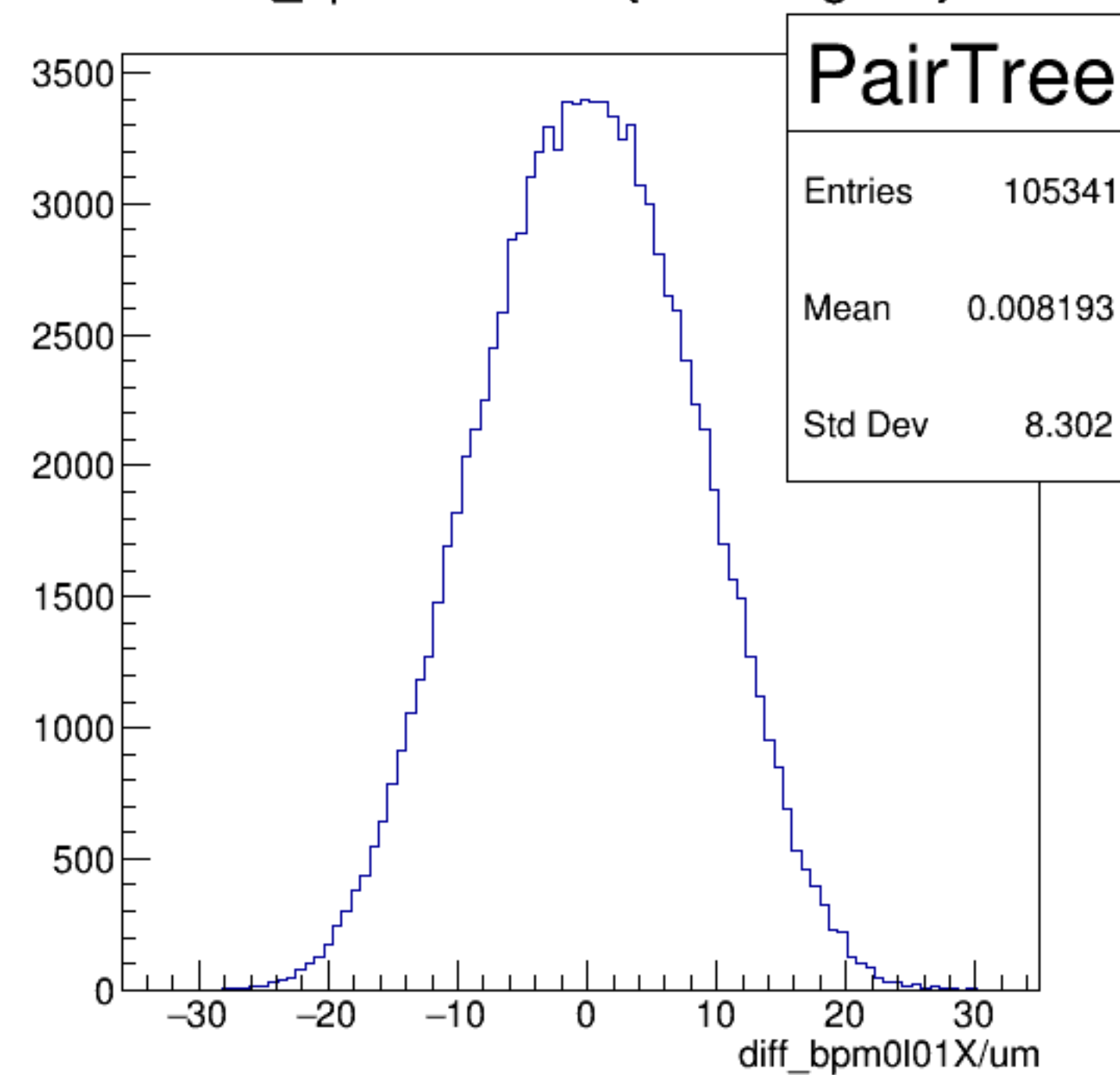
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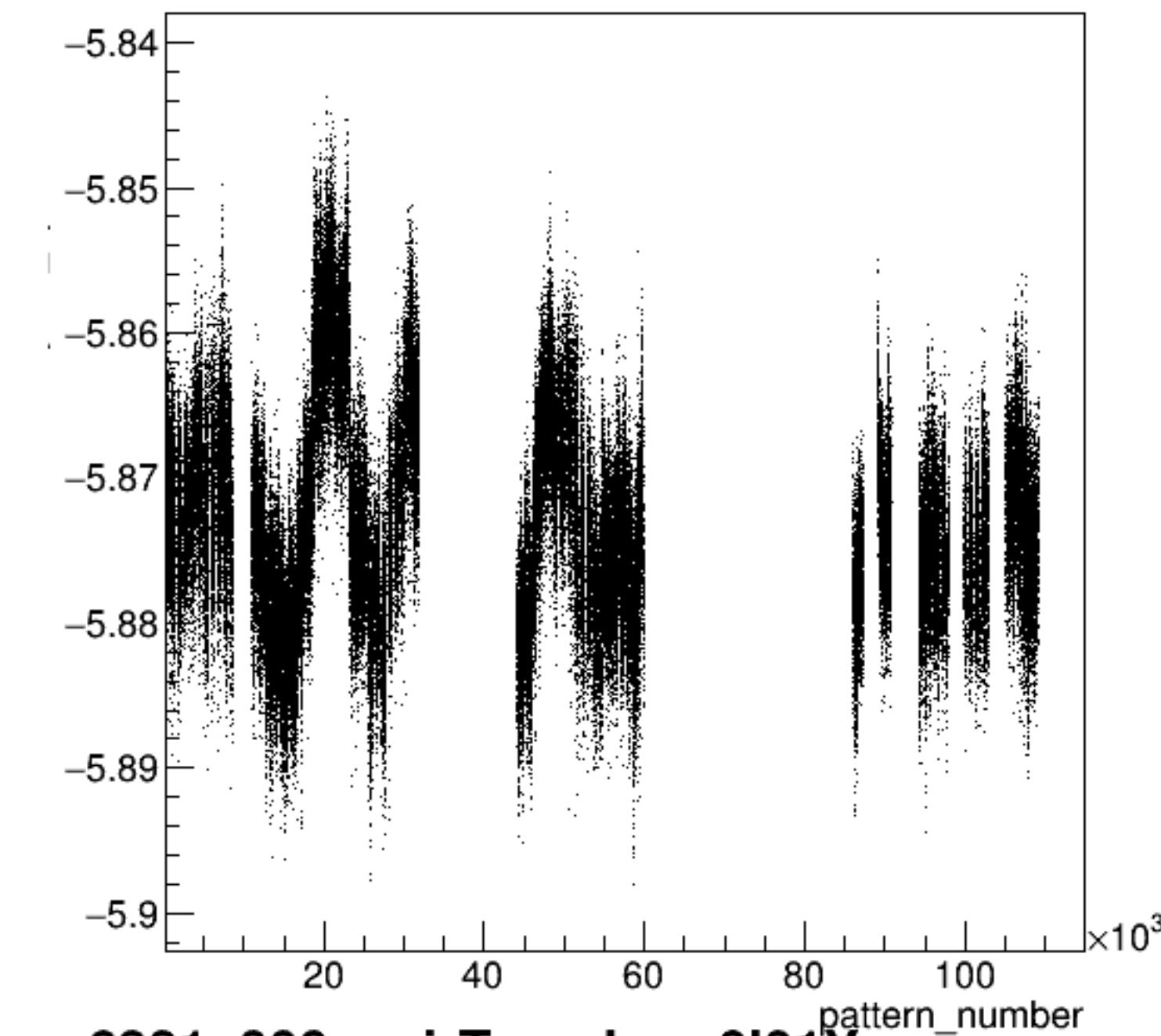
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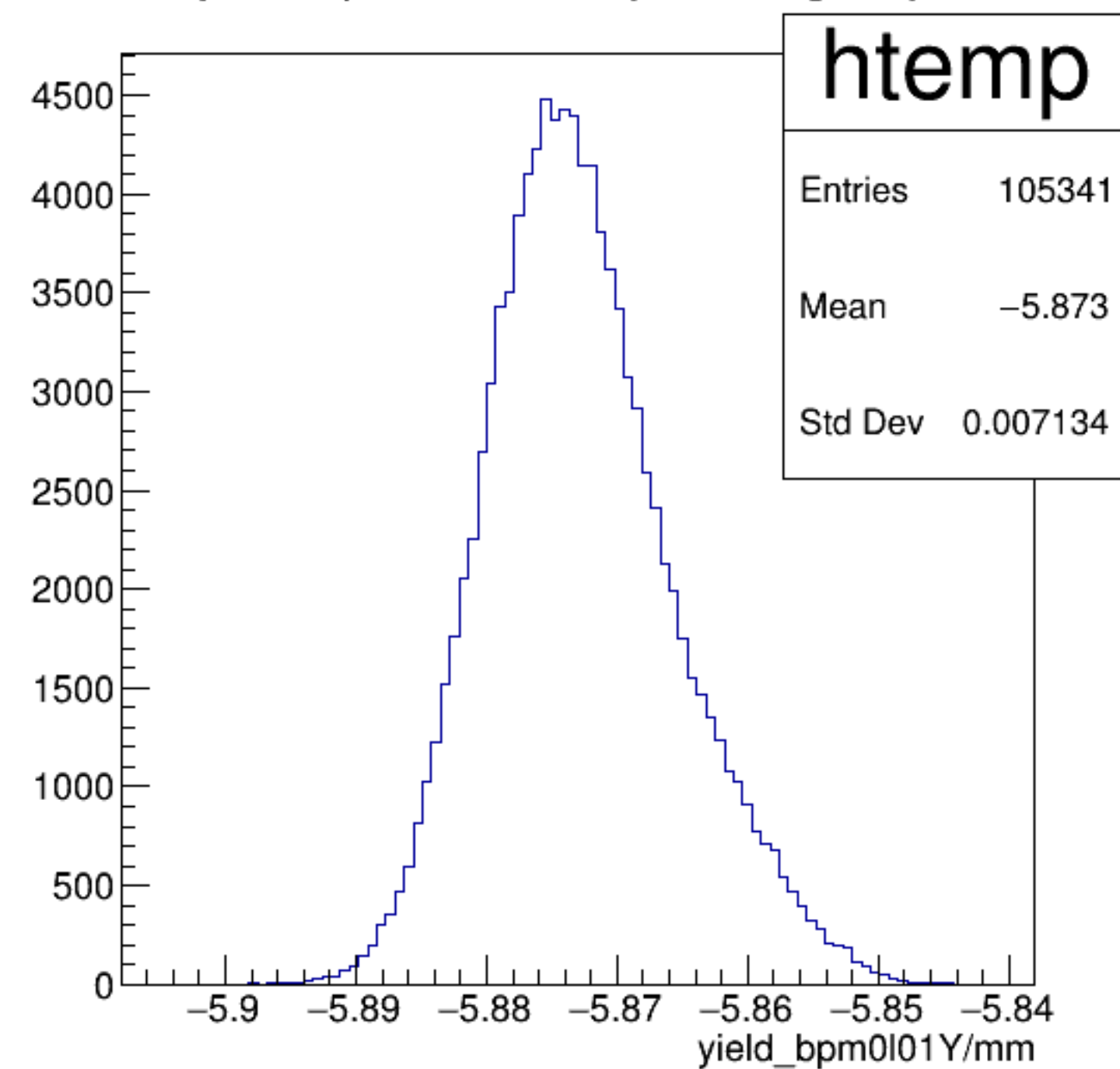


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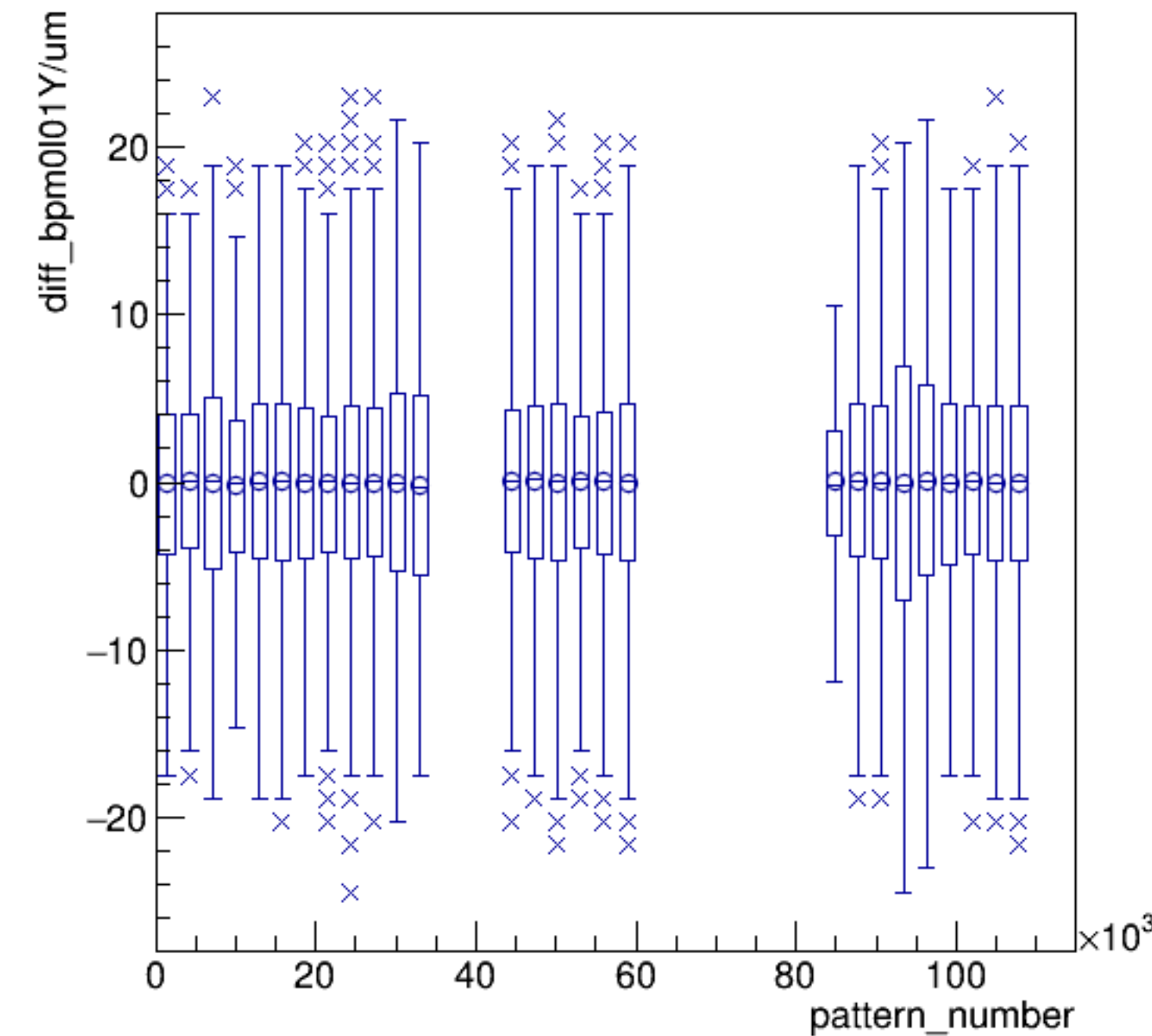


run6381_000_pairTree_bpm0l01Y.png

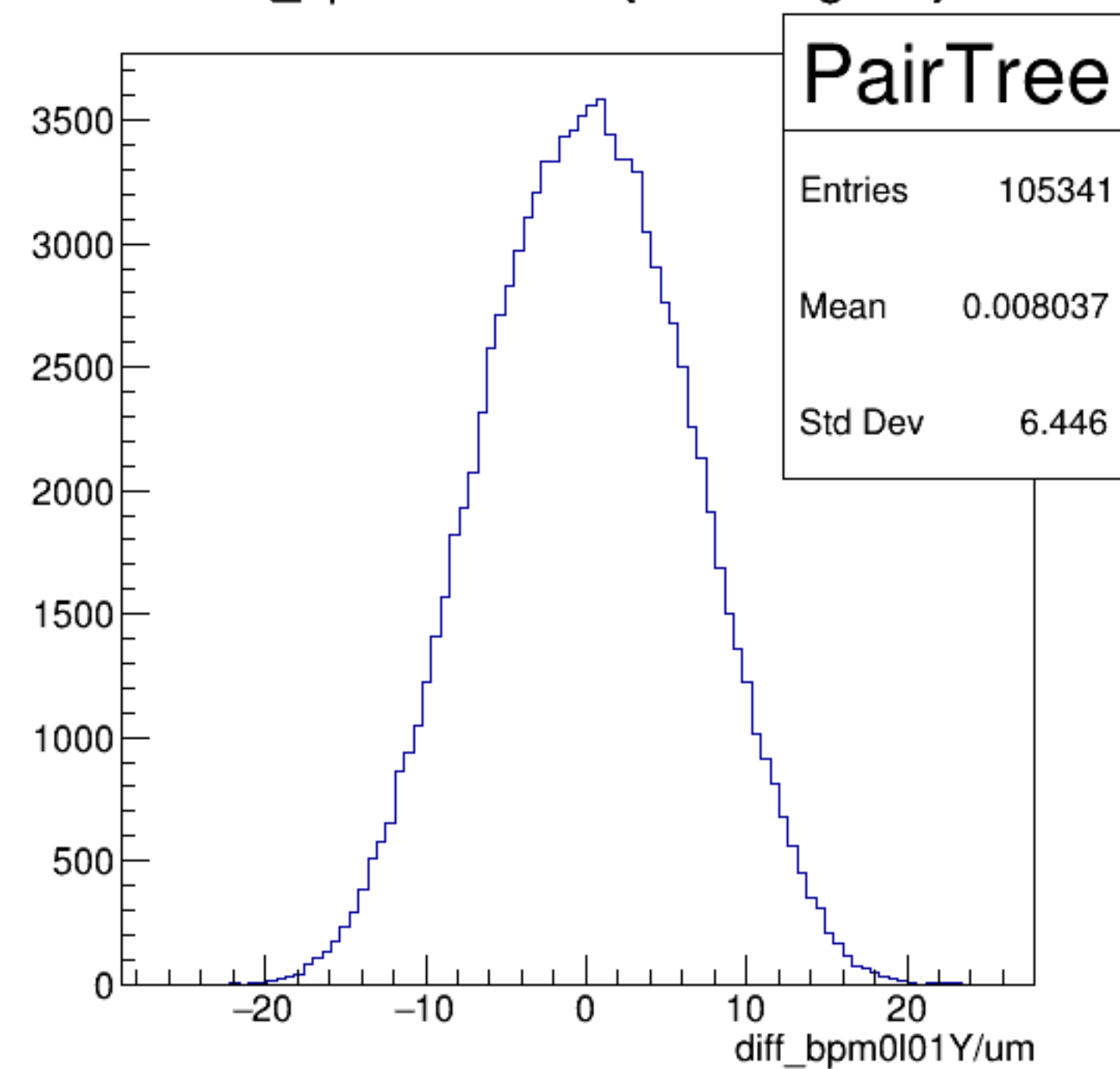
yield_bpm0l01Y/mm {ErrorFlag==0}



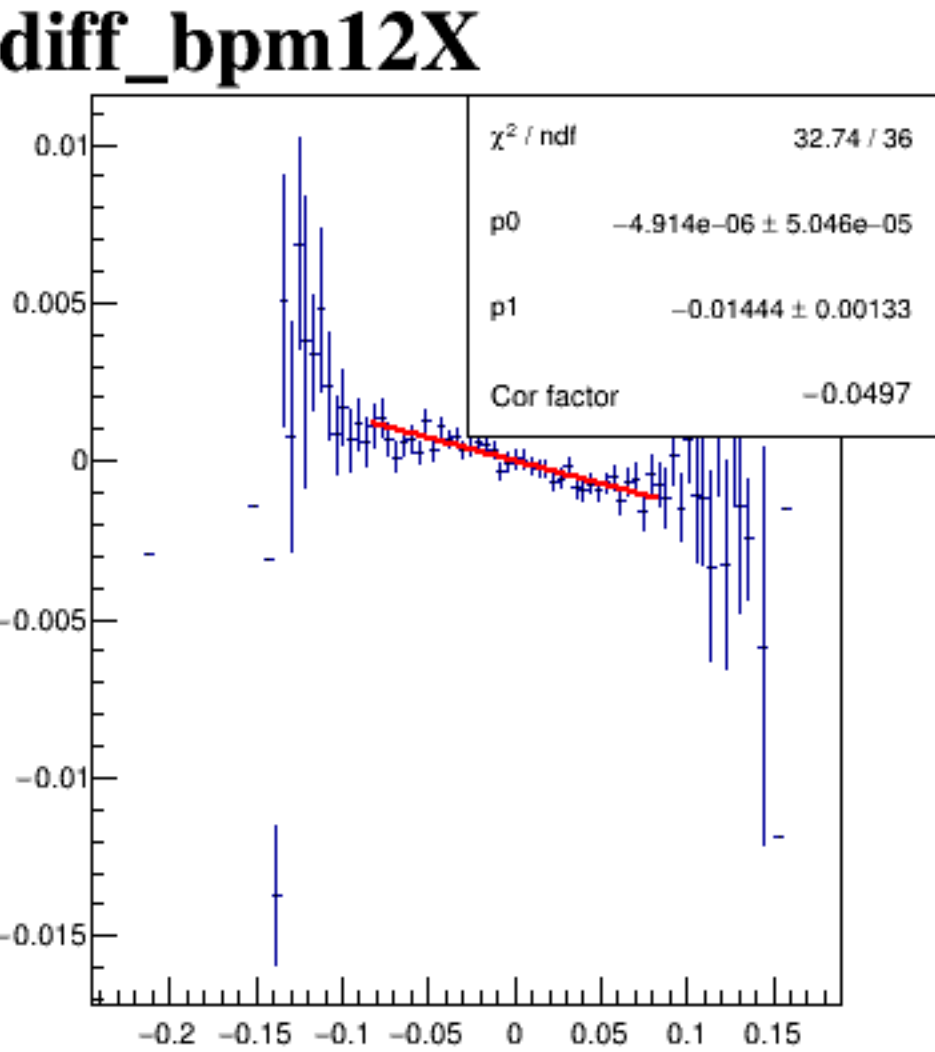
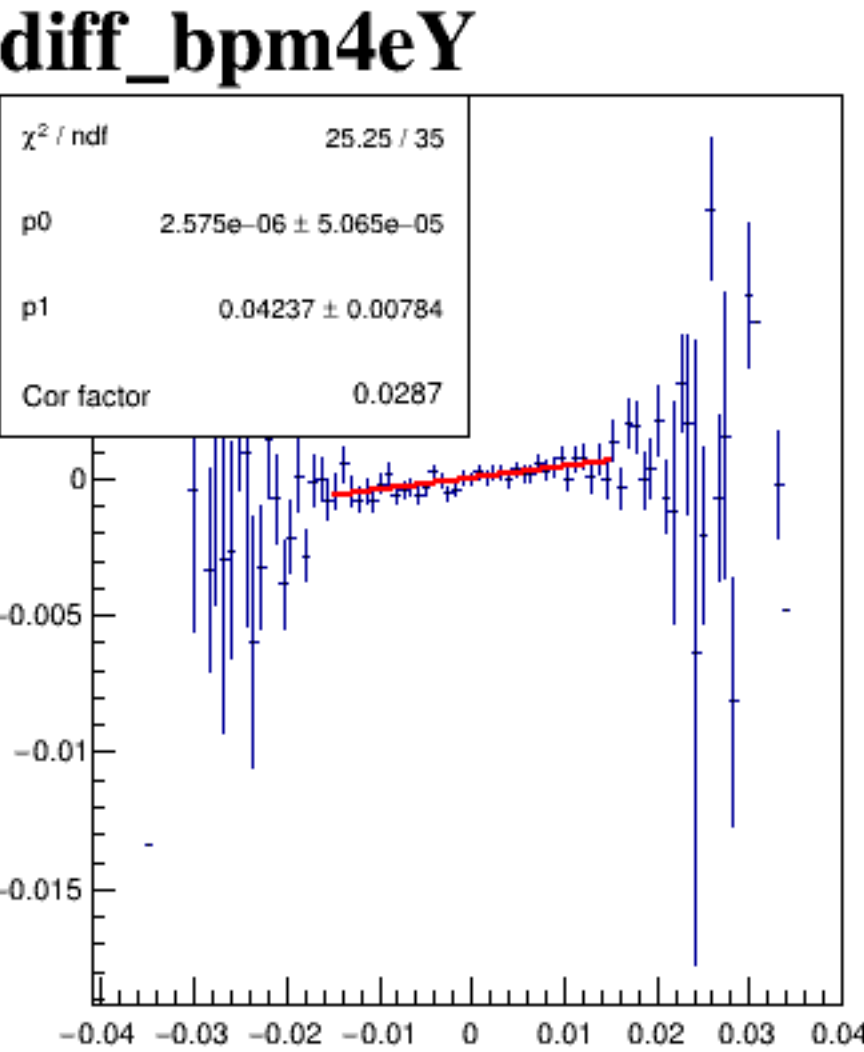
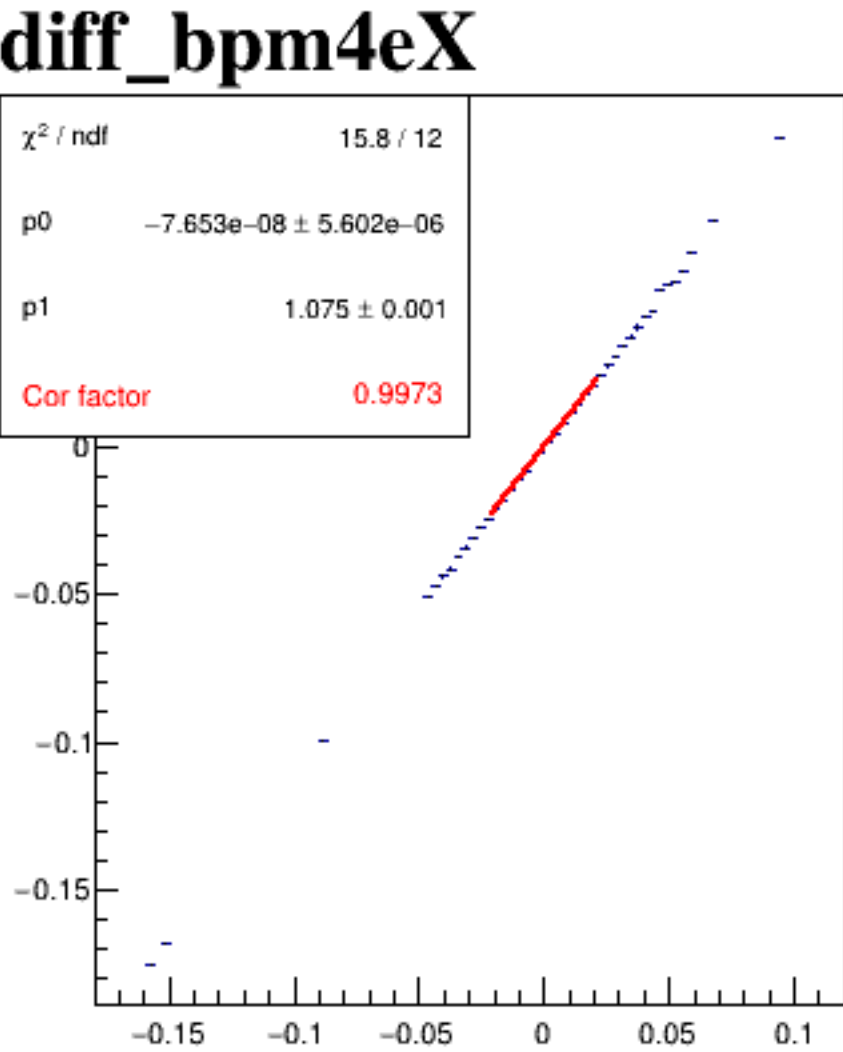
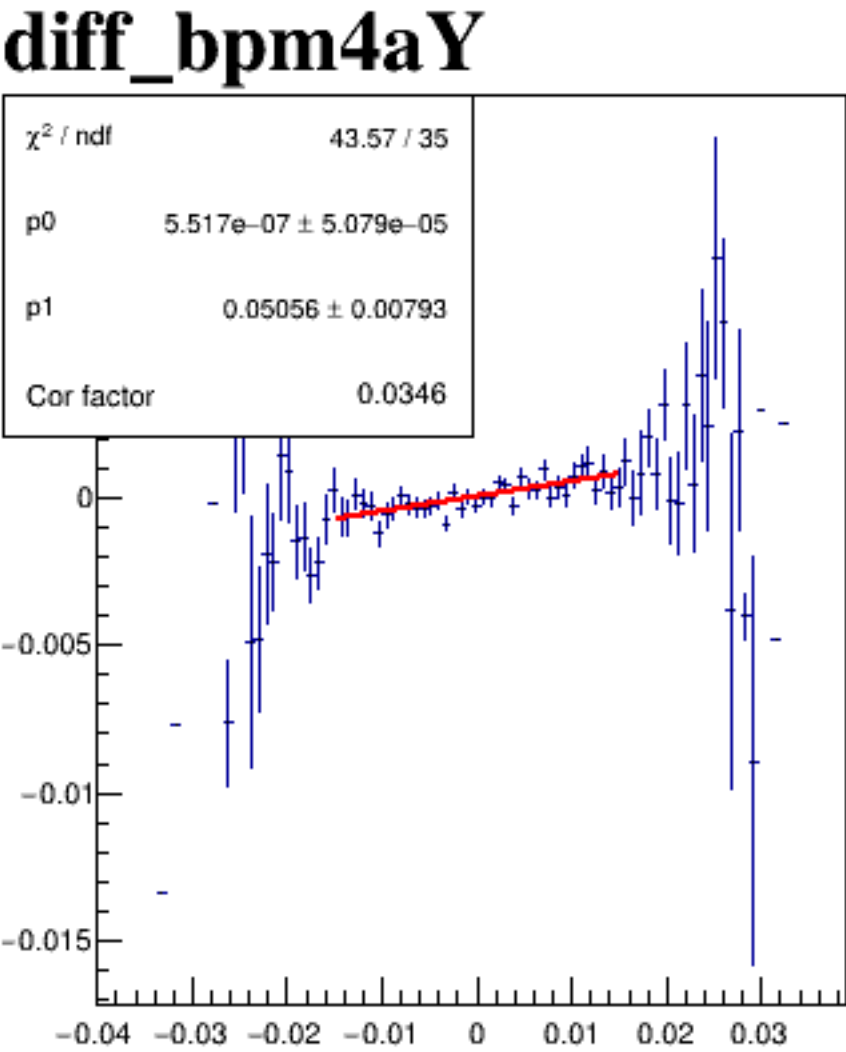
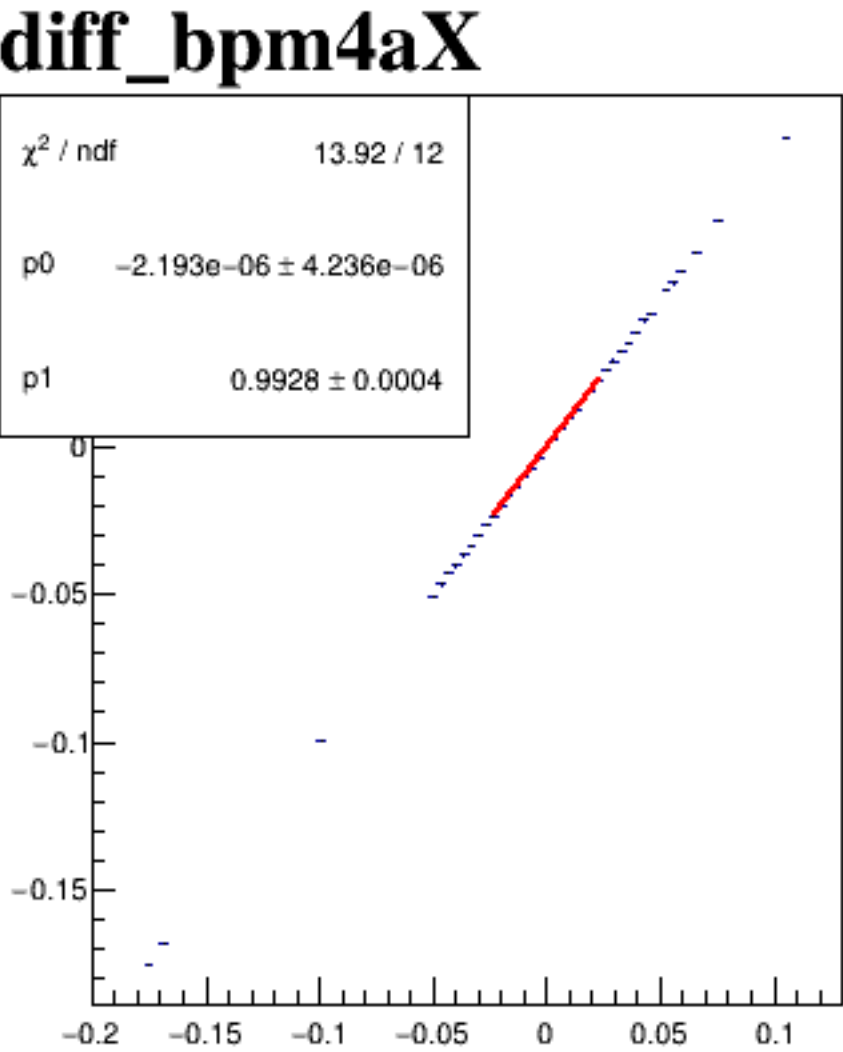
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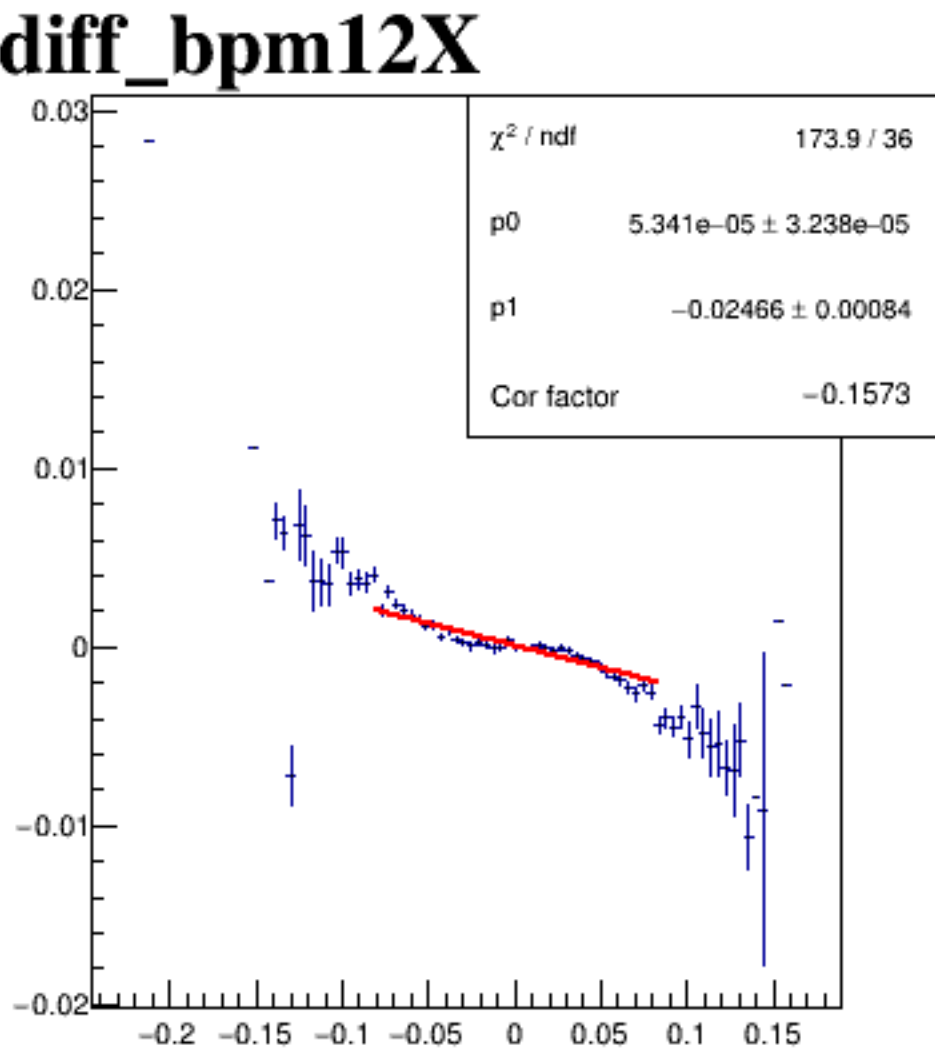
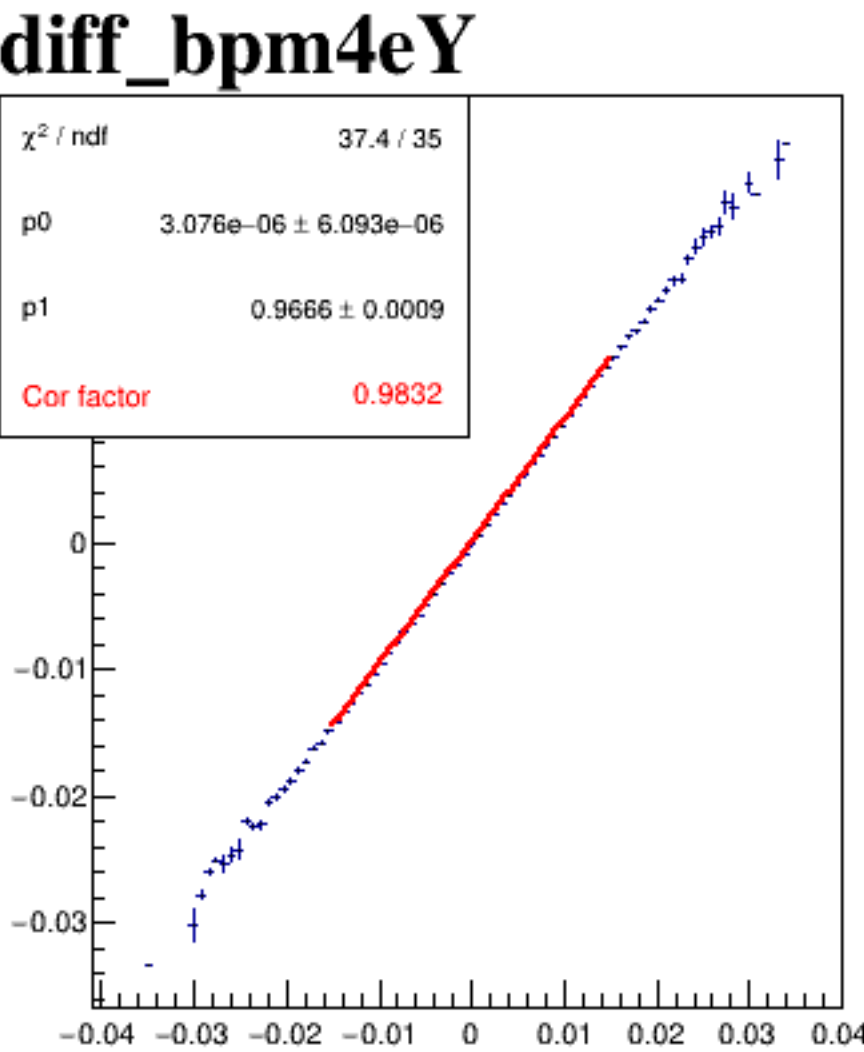
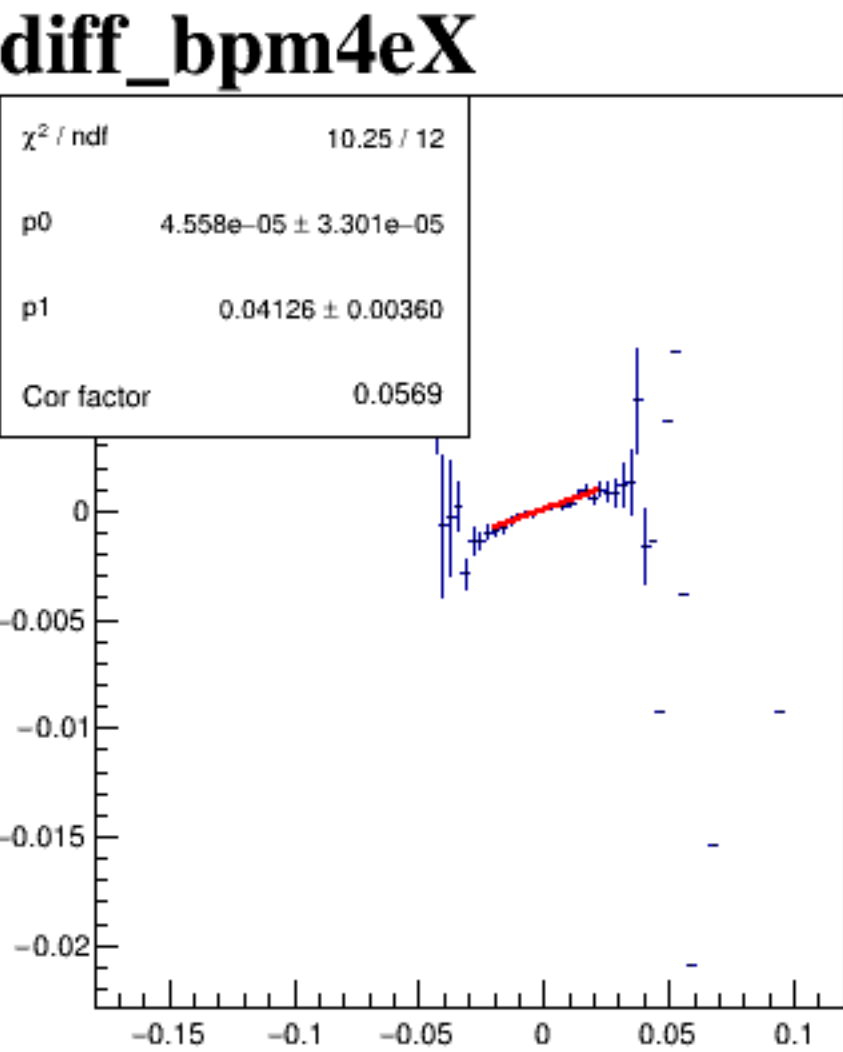
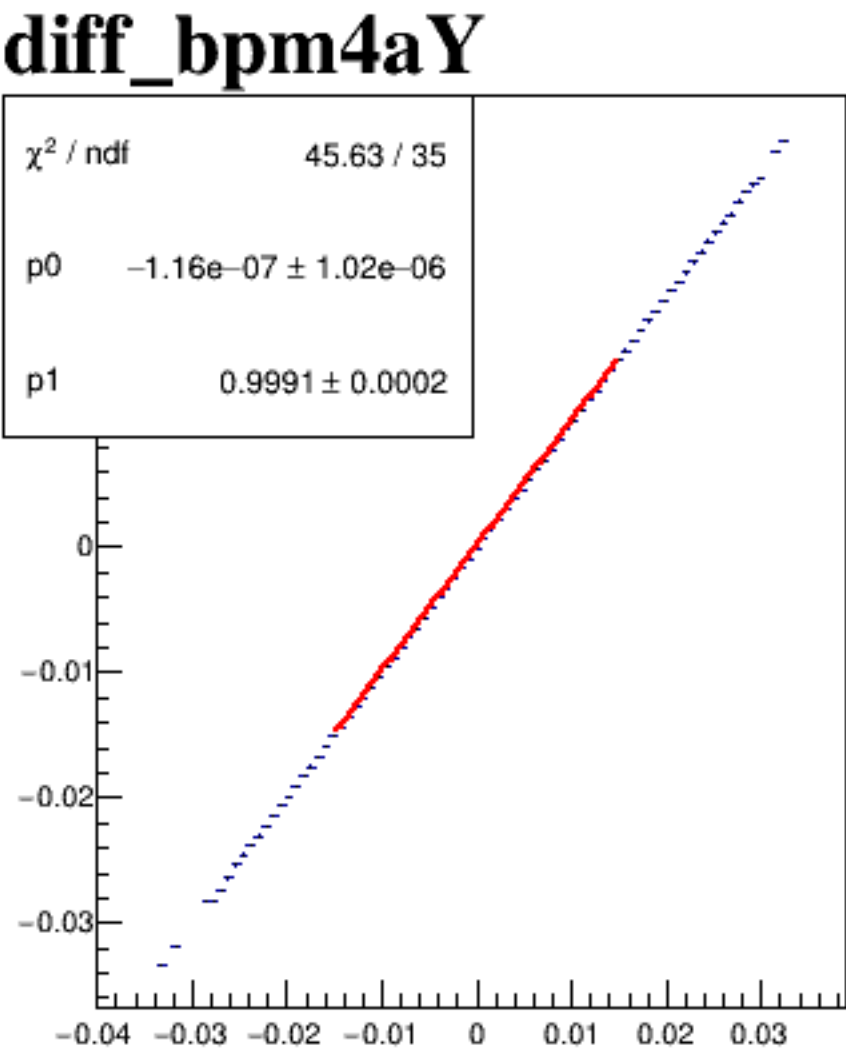
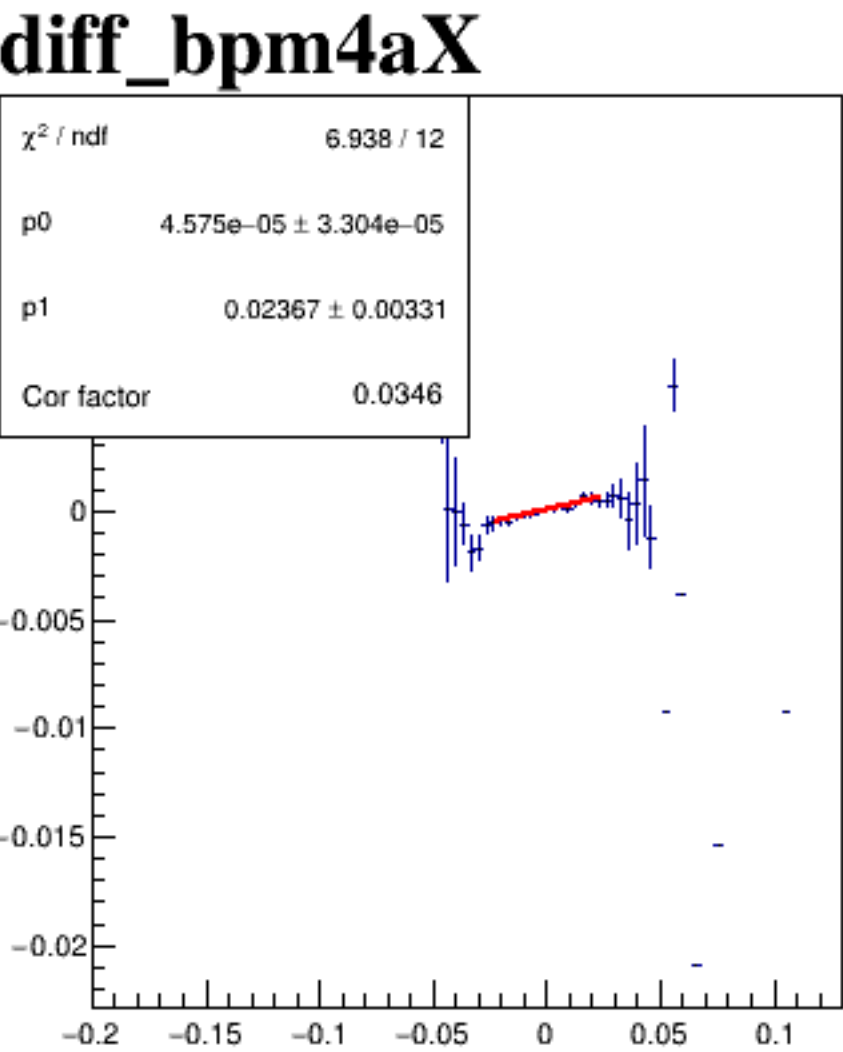
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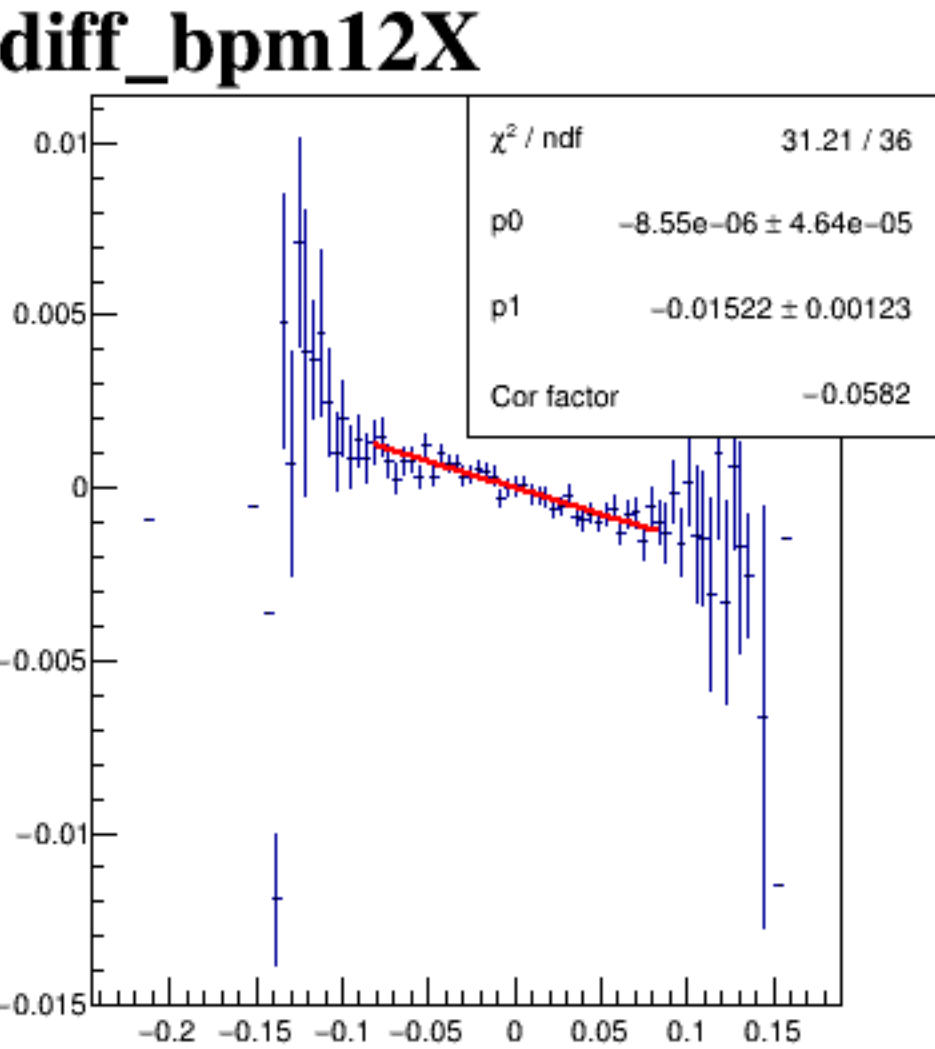
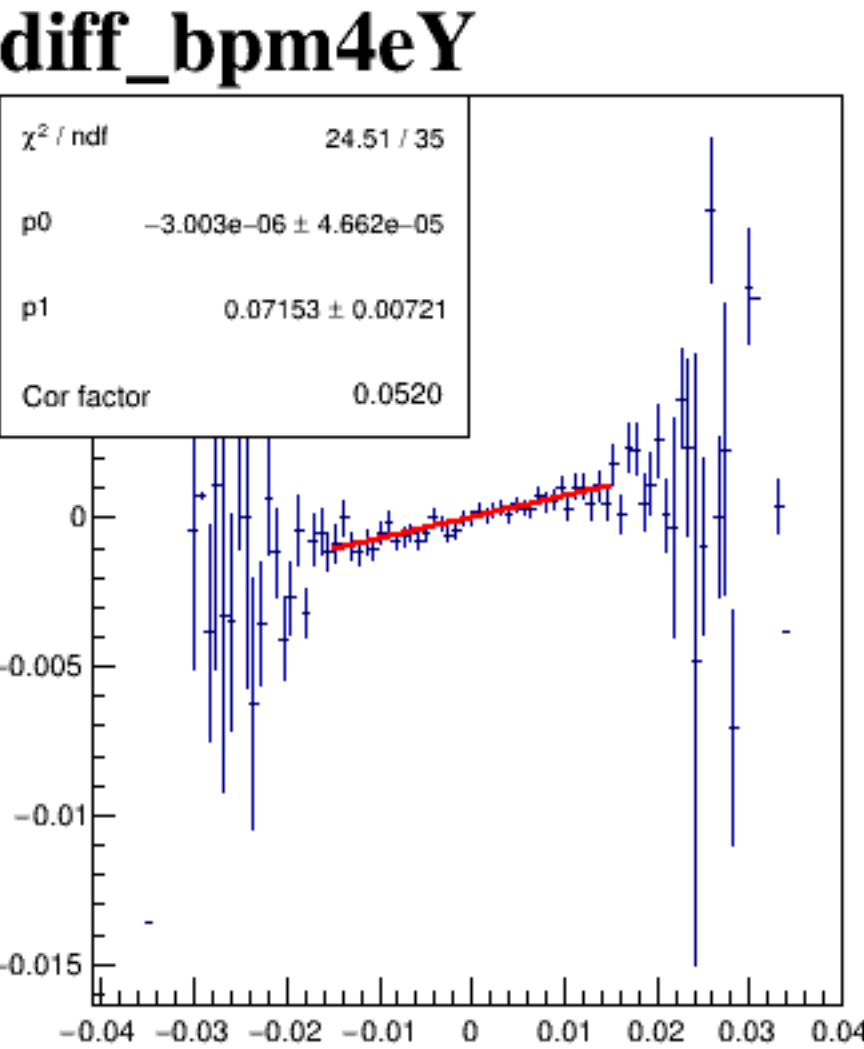
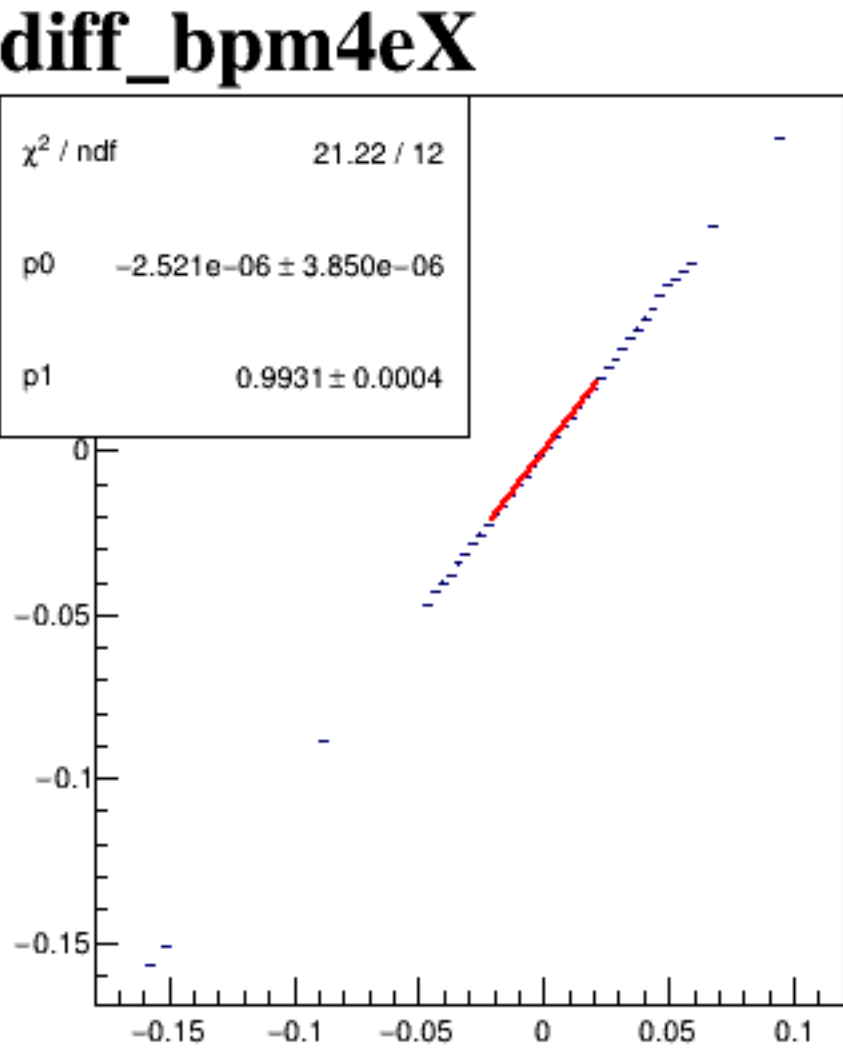
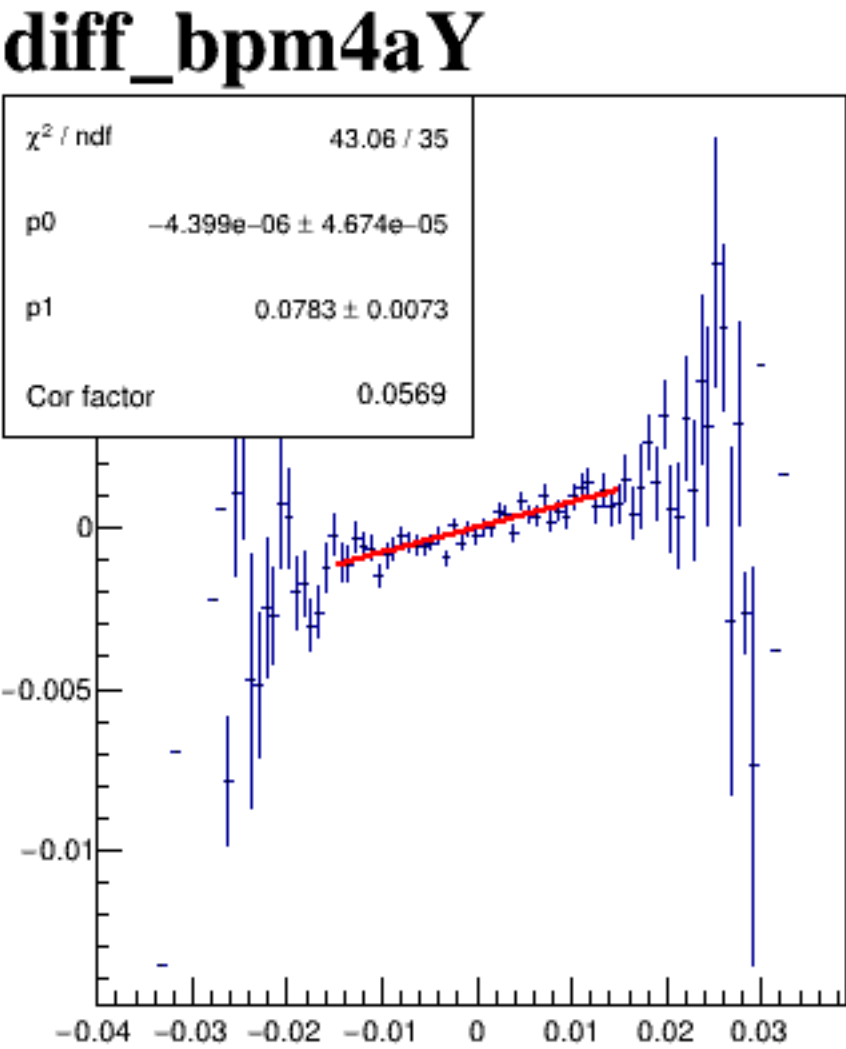
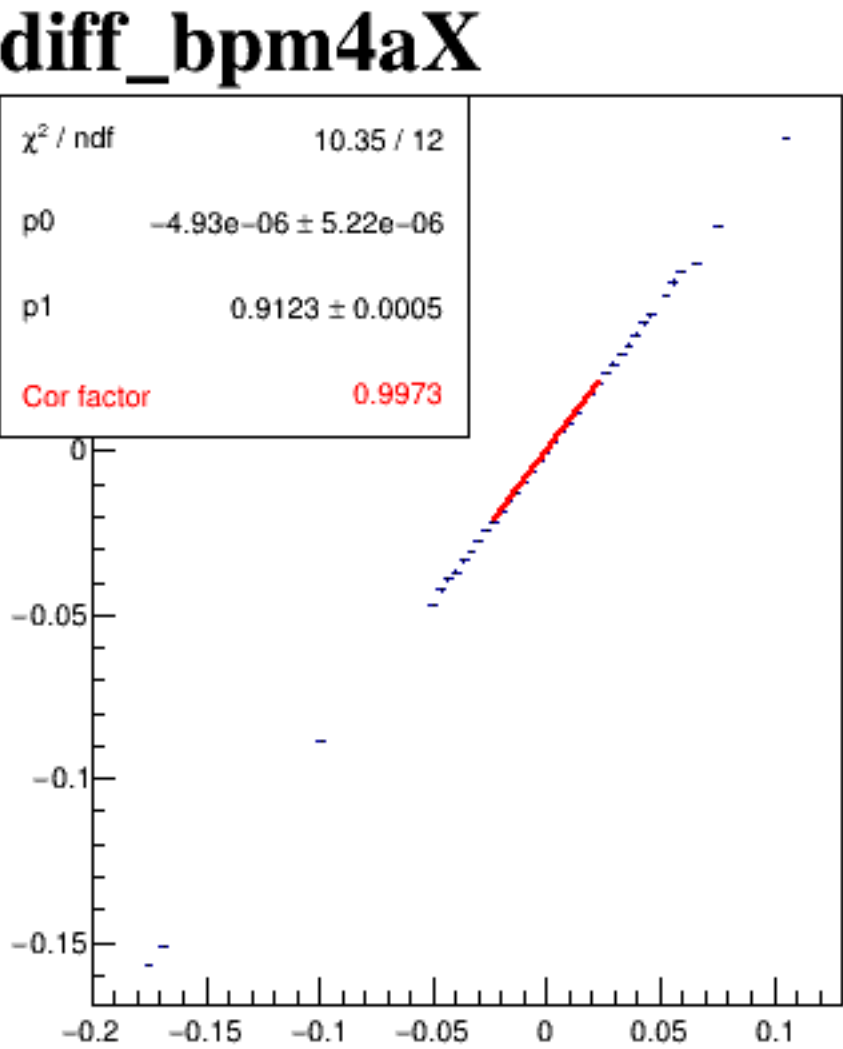
diff_bpm4aX



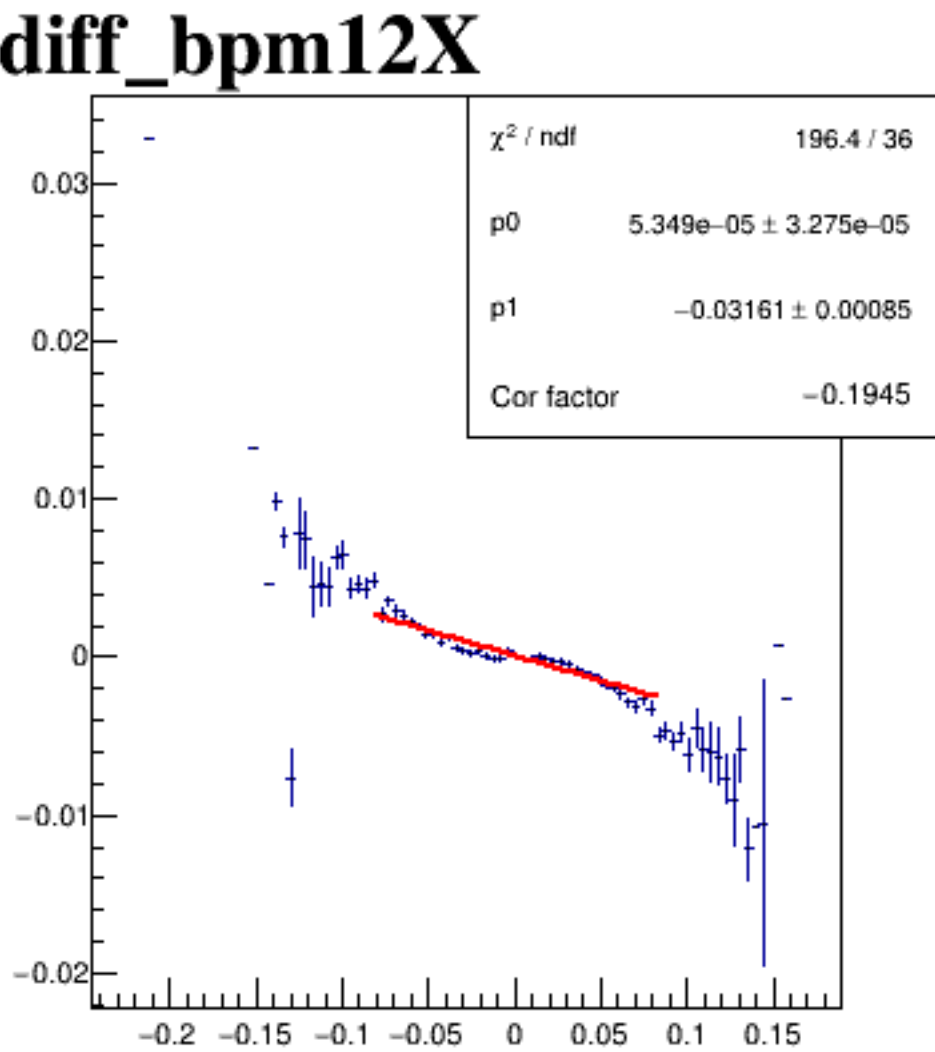
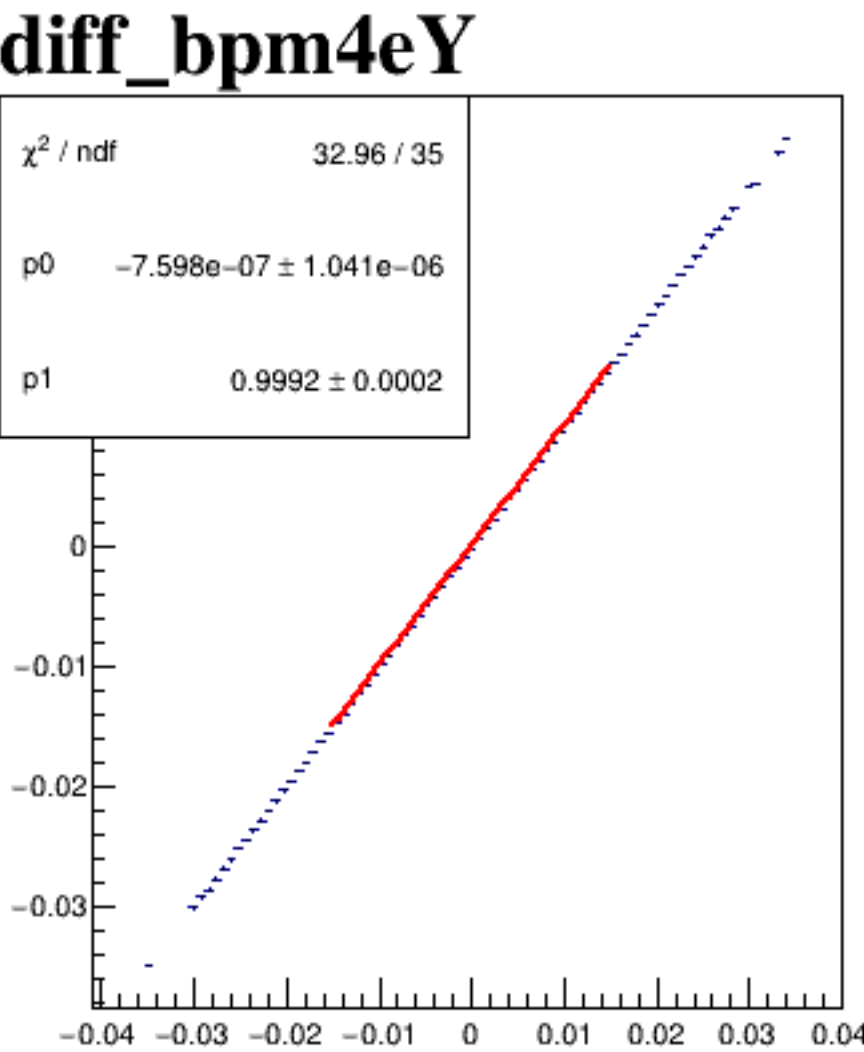
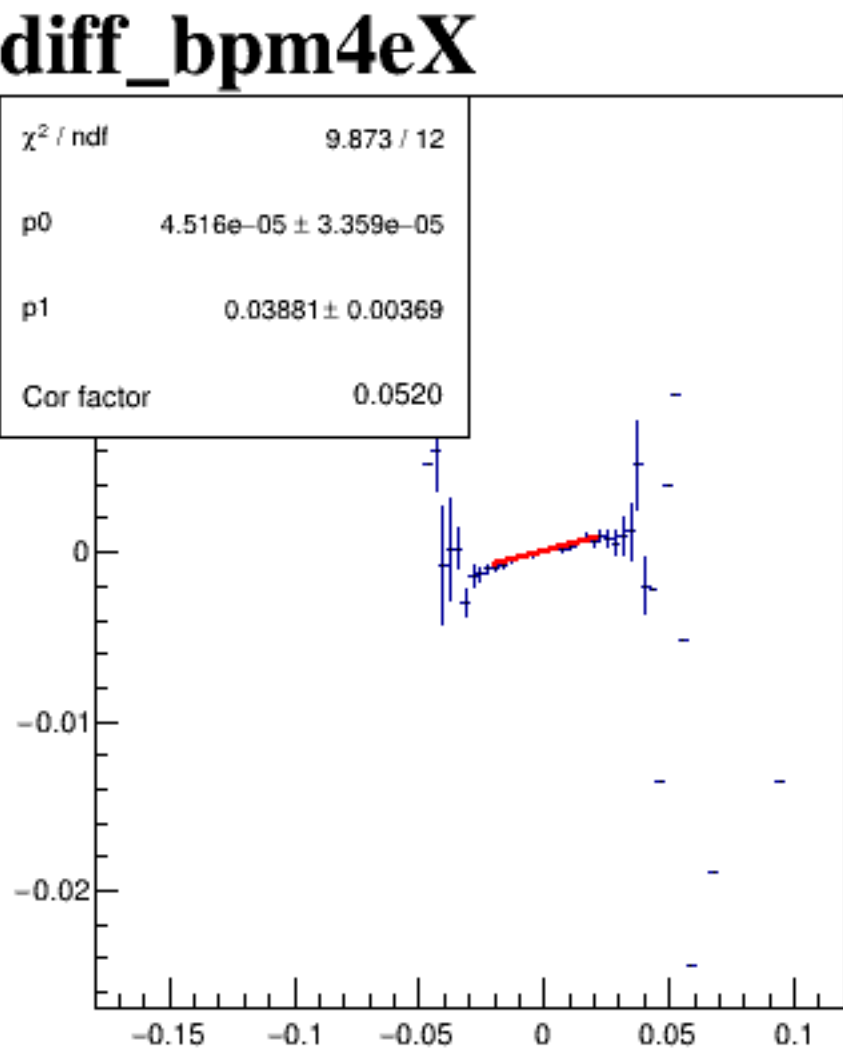
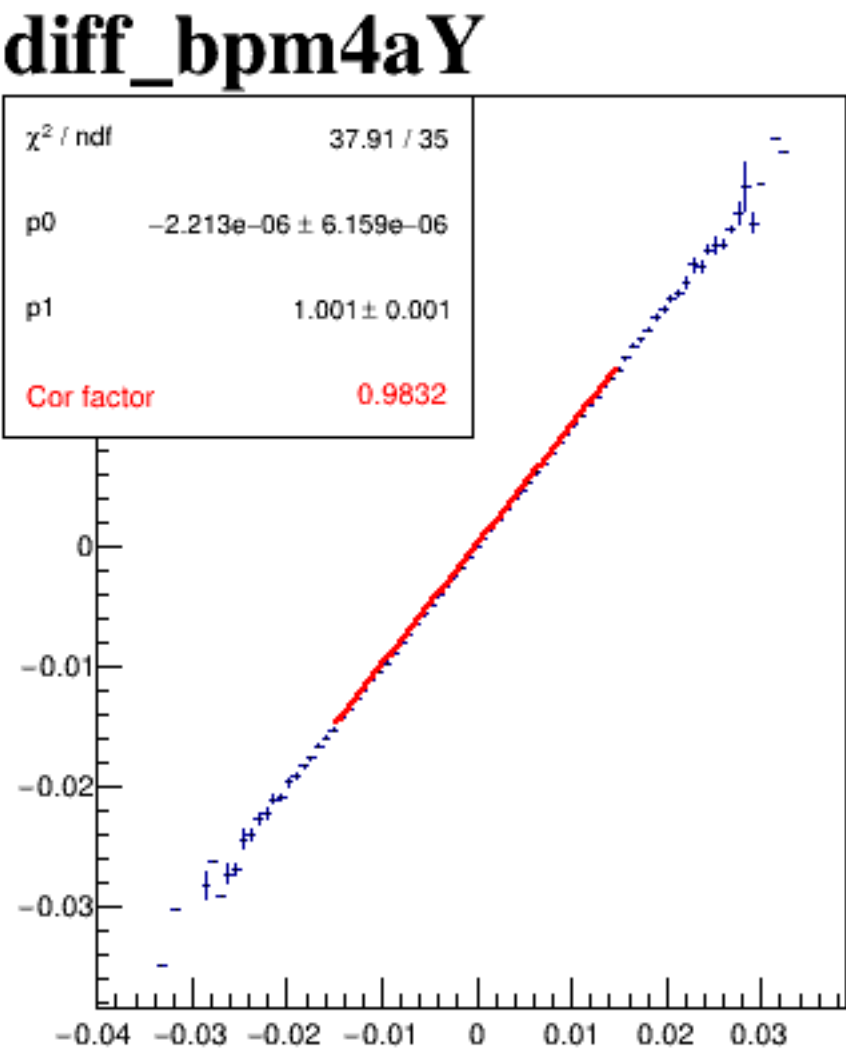
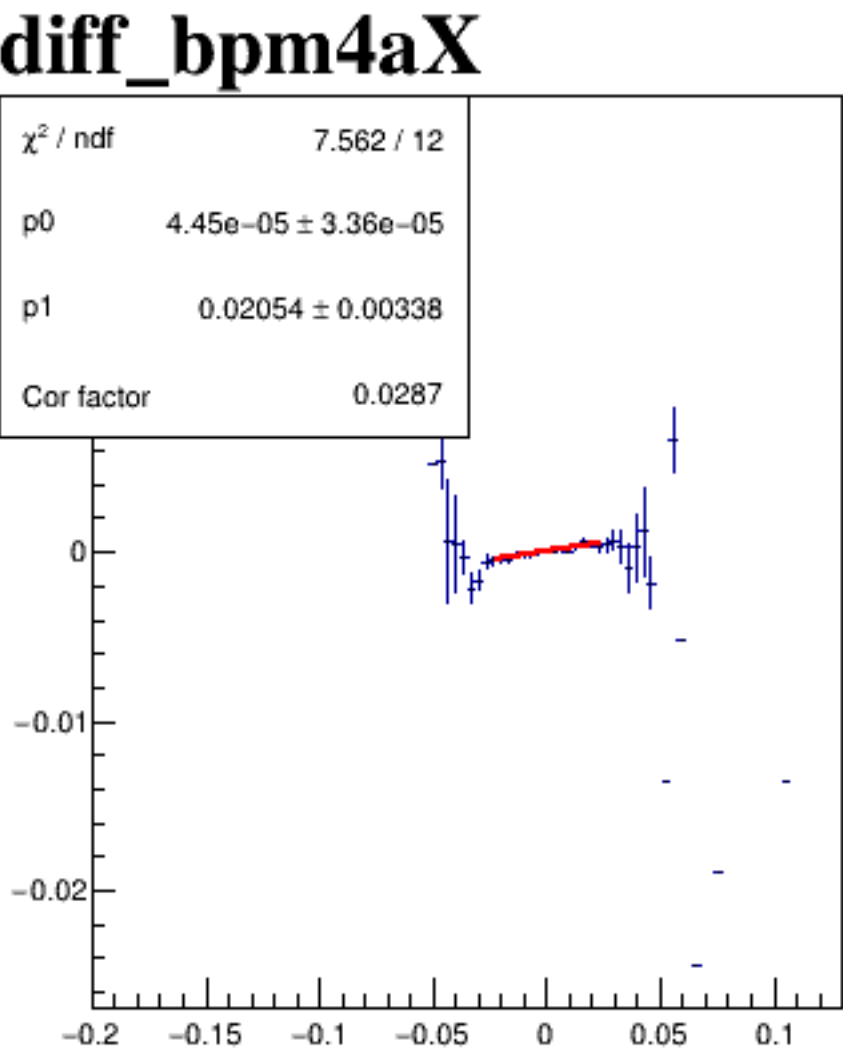
diff_bpm4aY



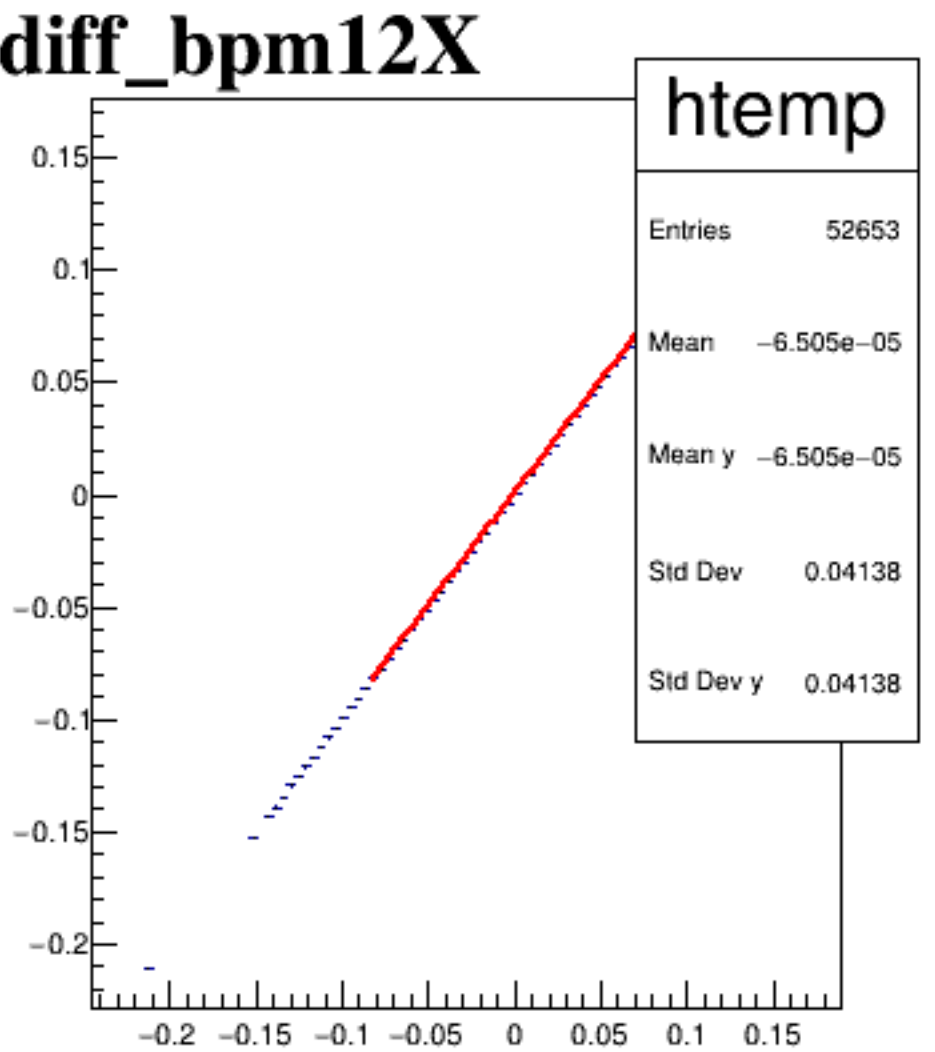
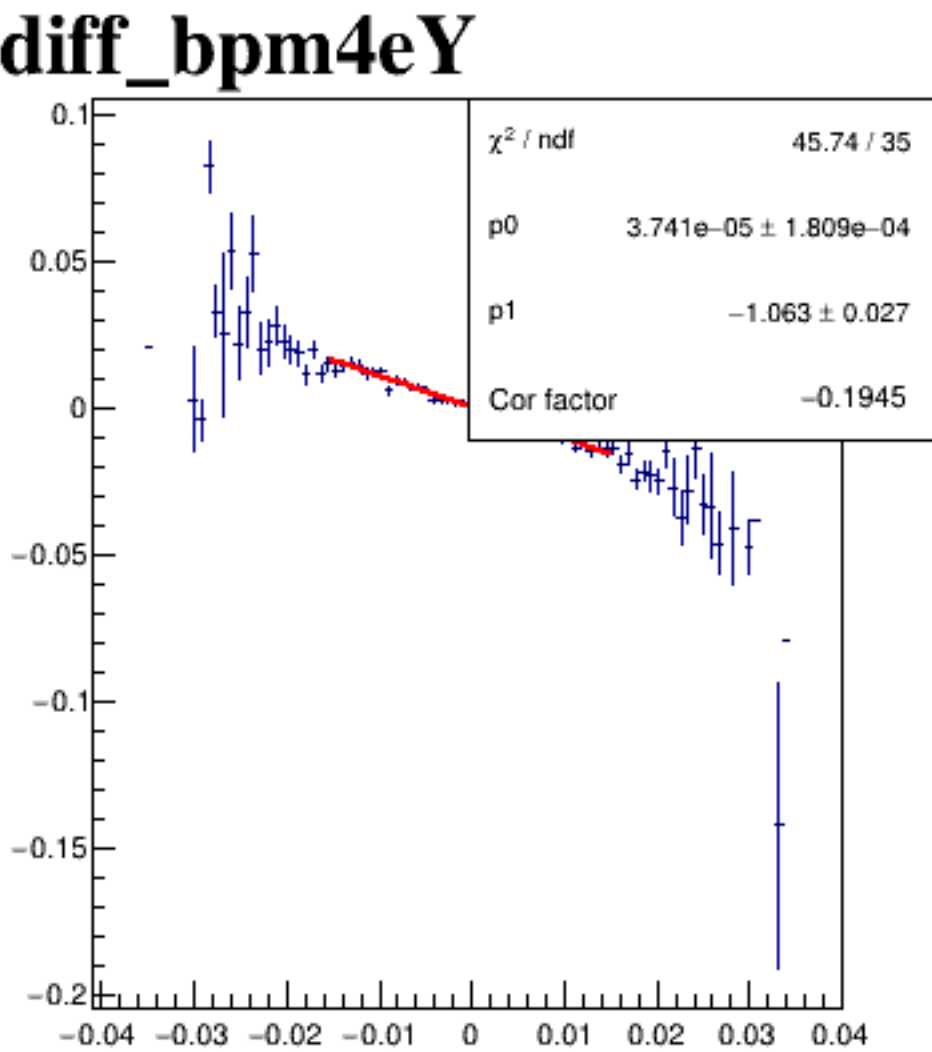
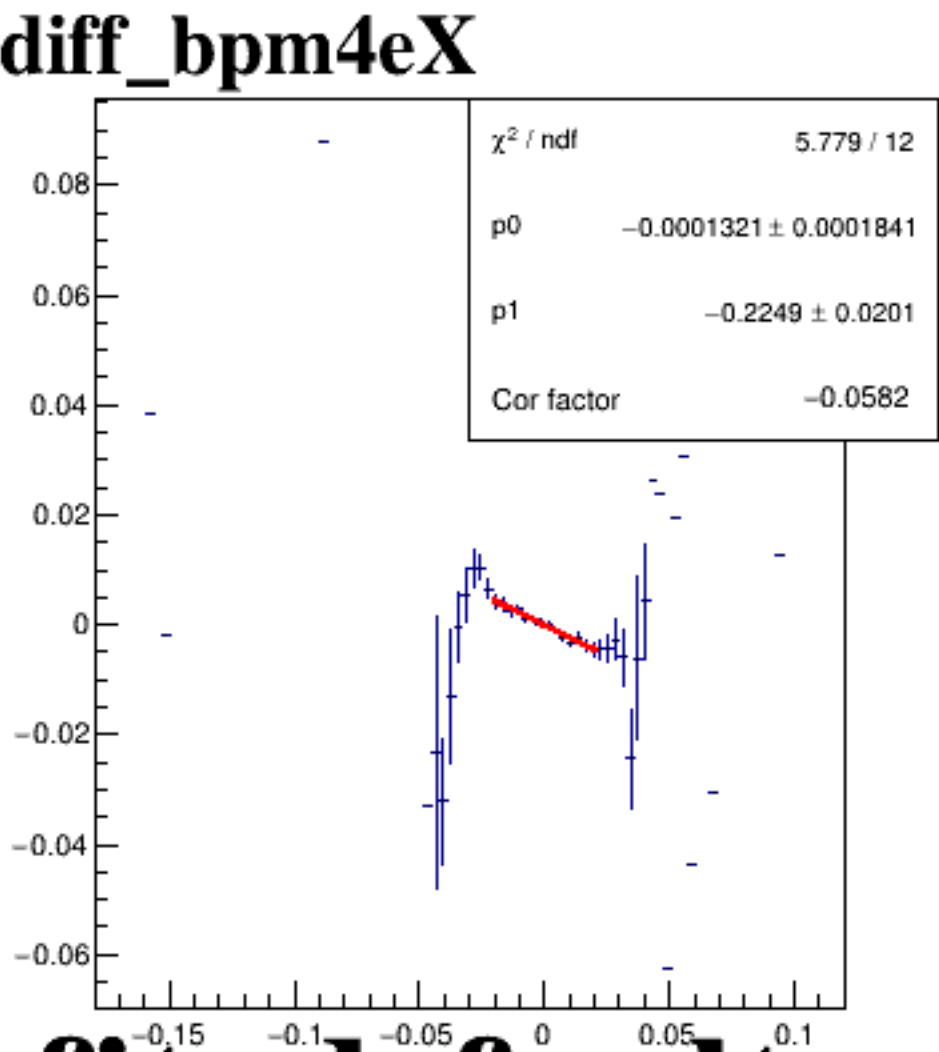
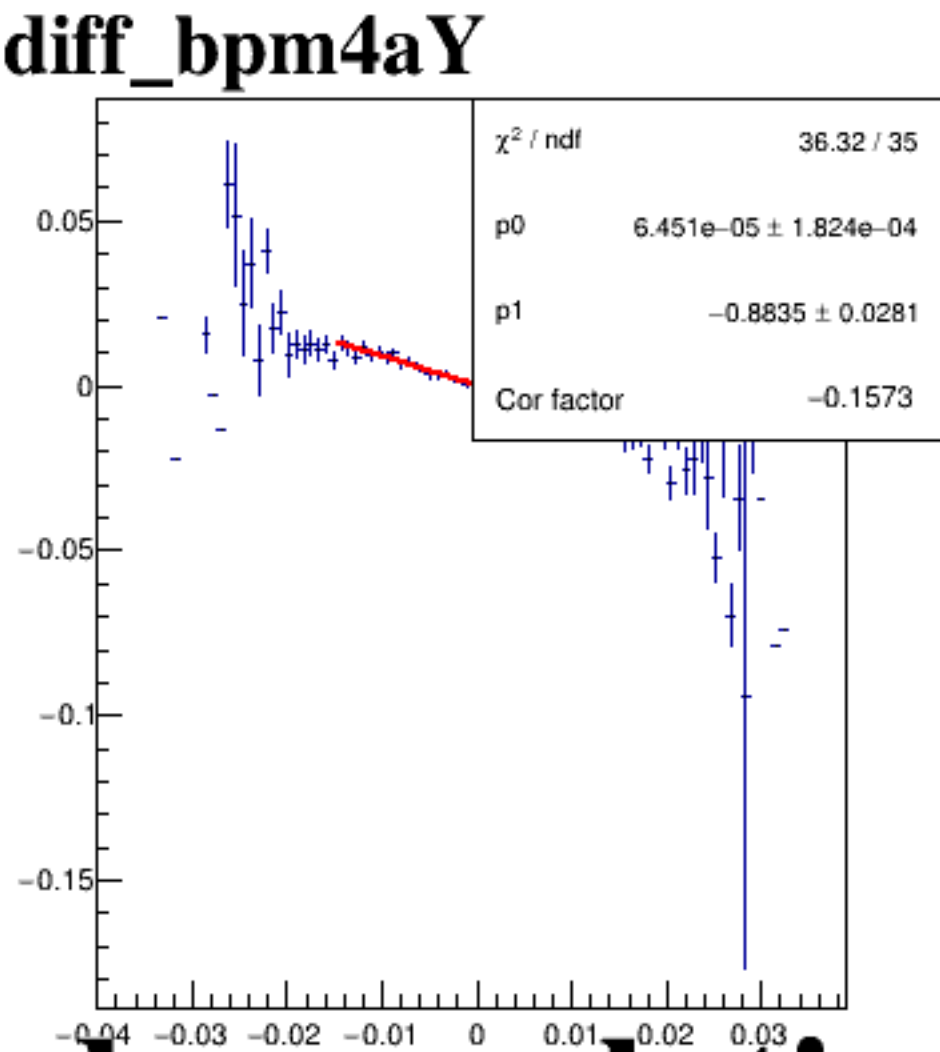
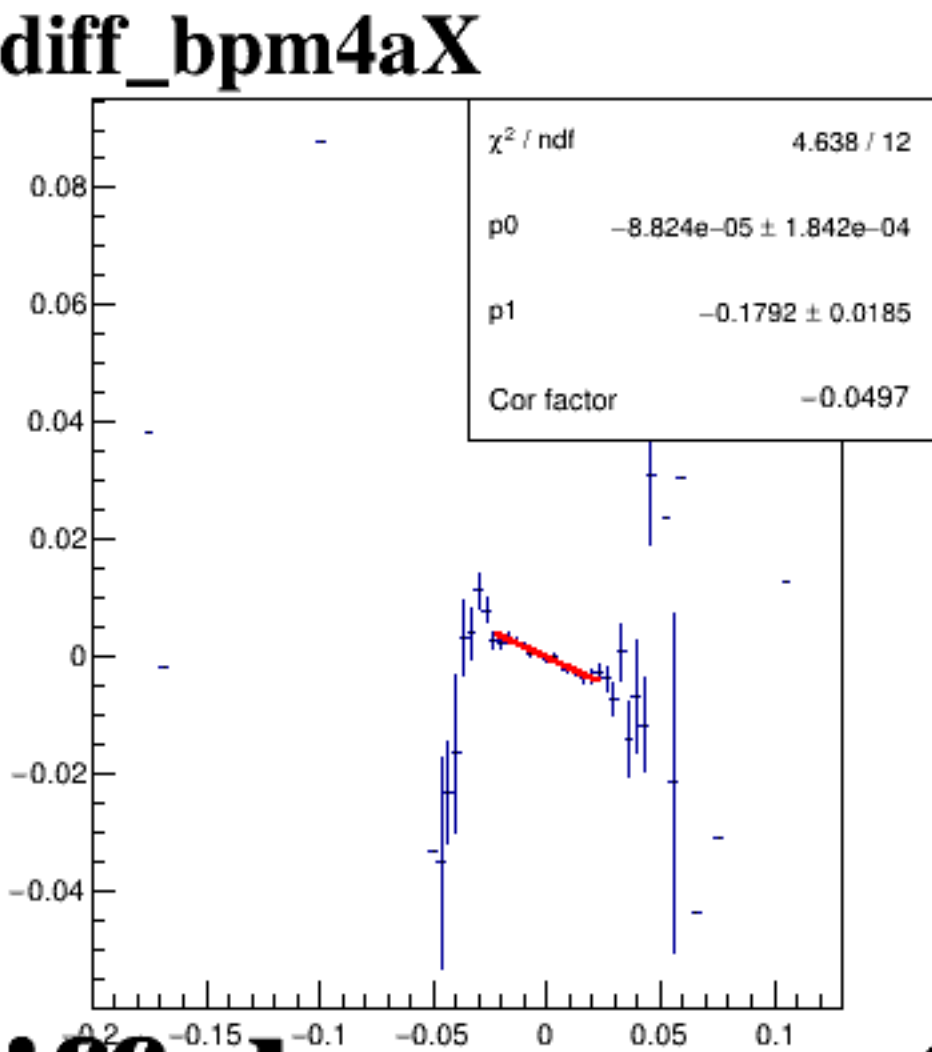
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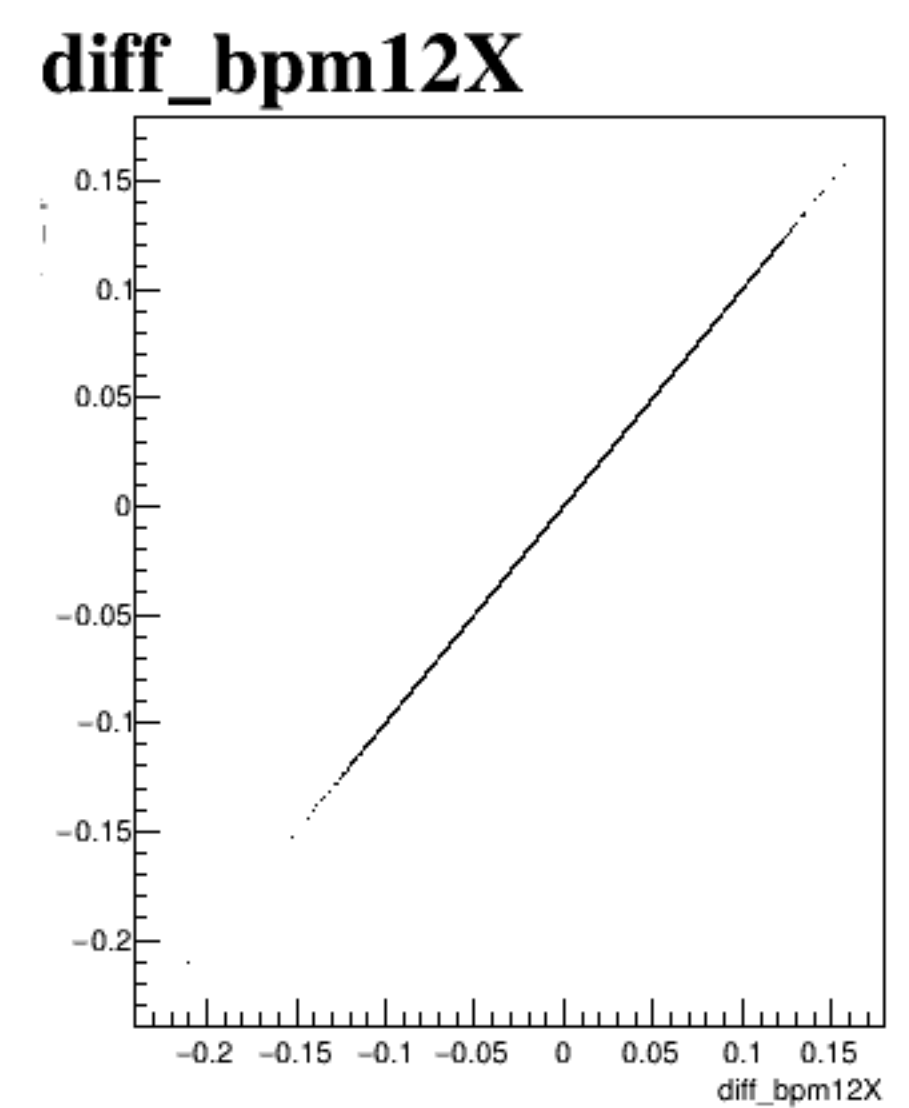
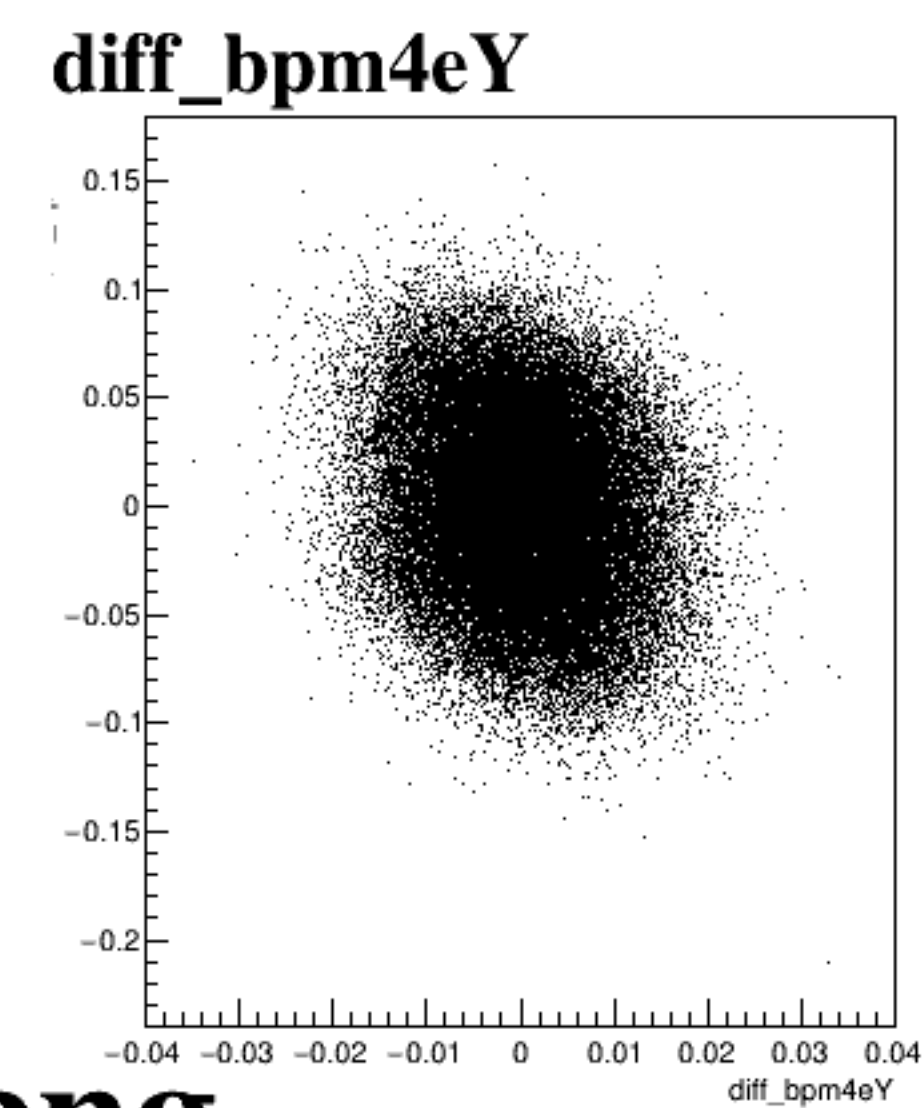
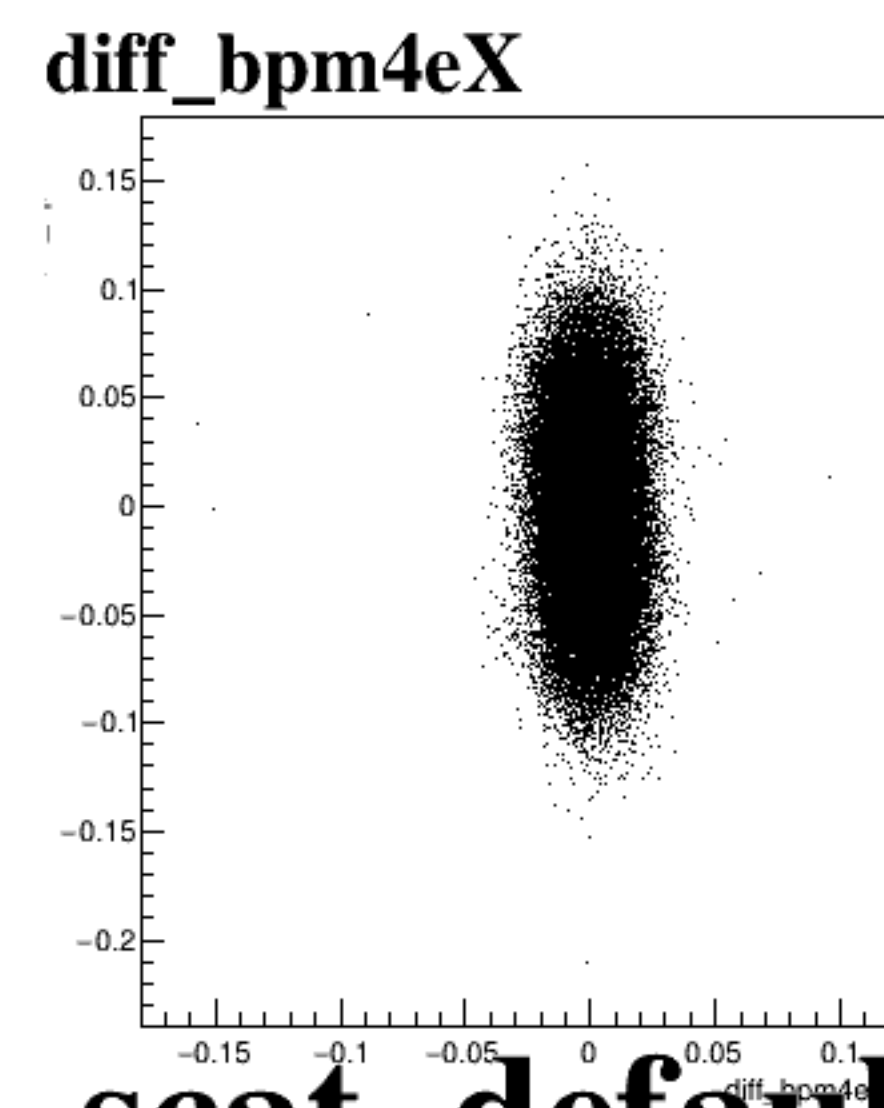
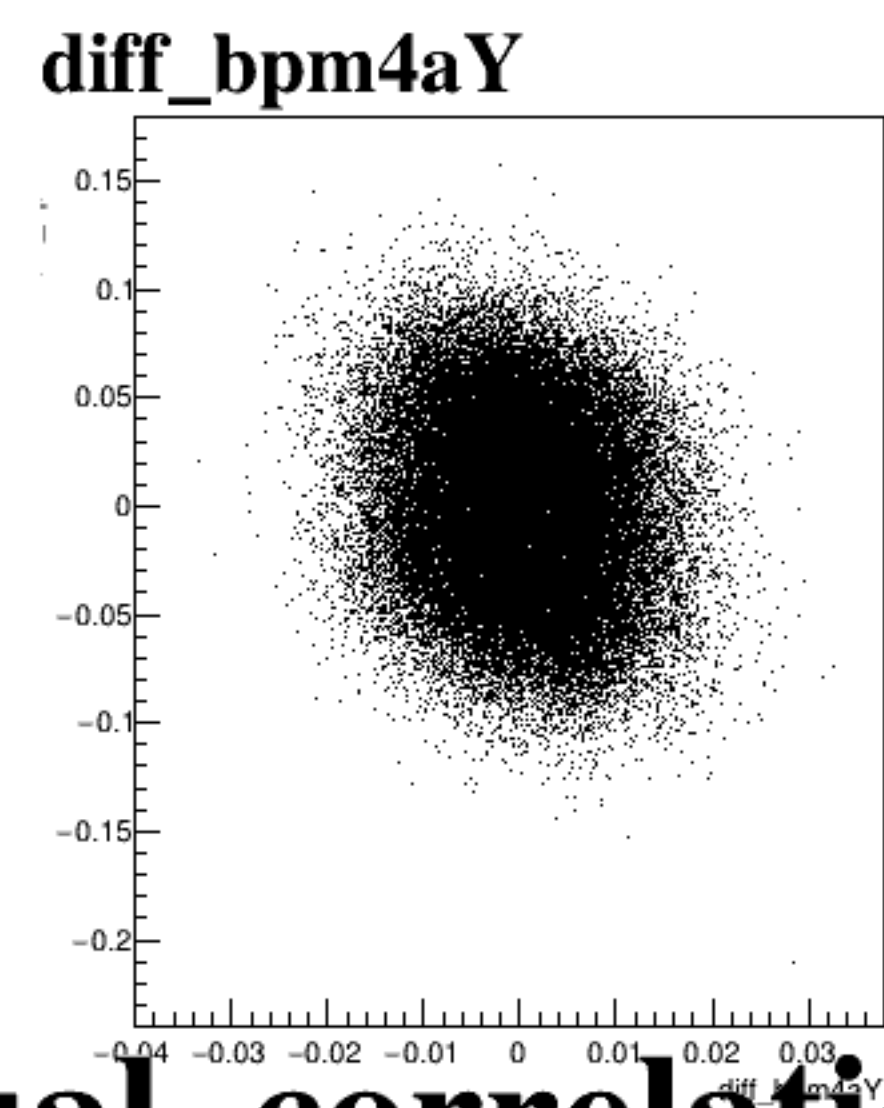
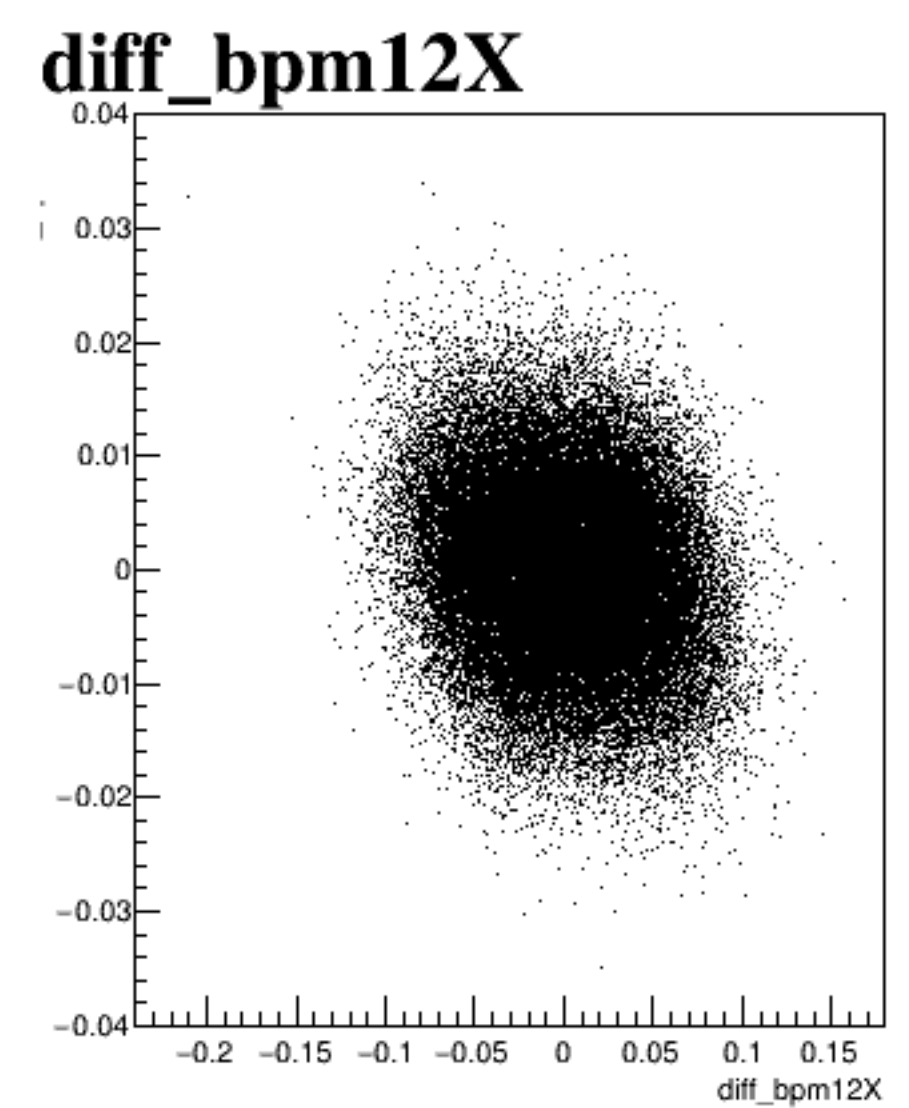
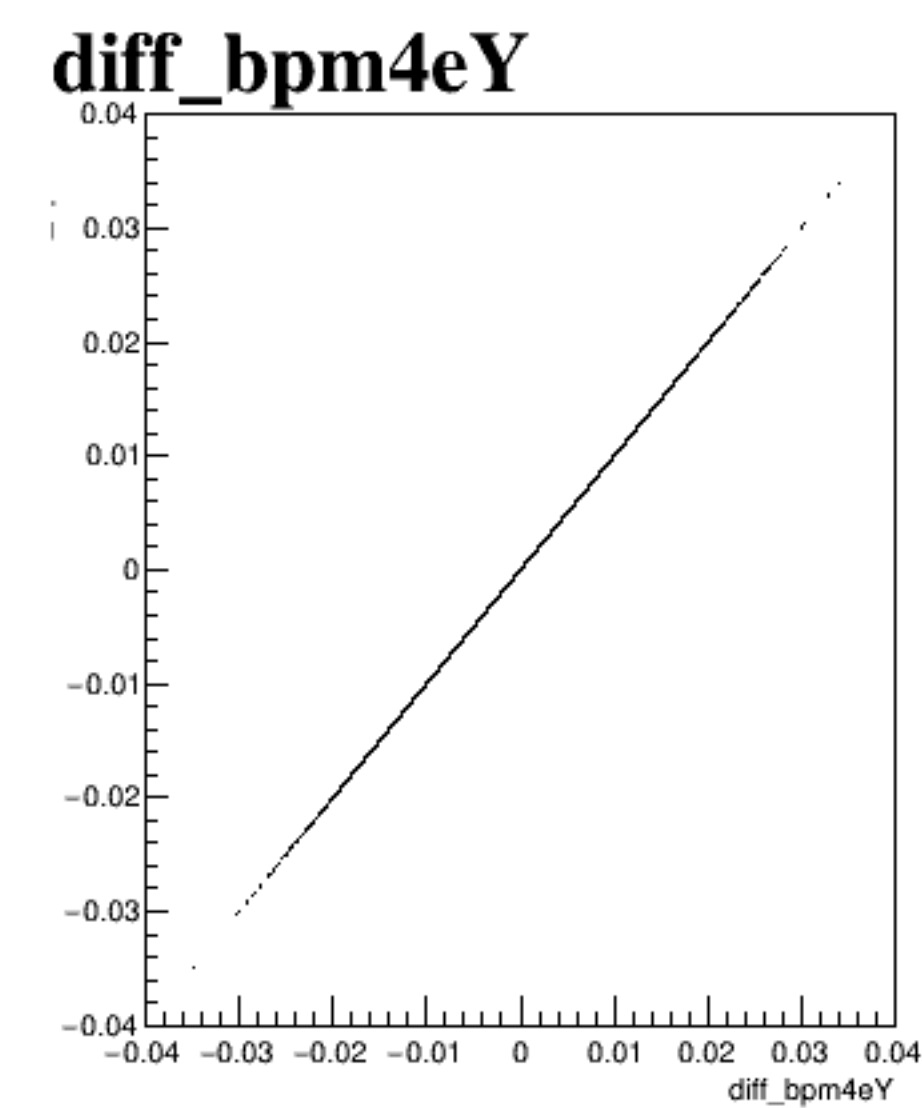
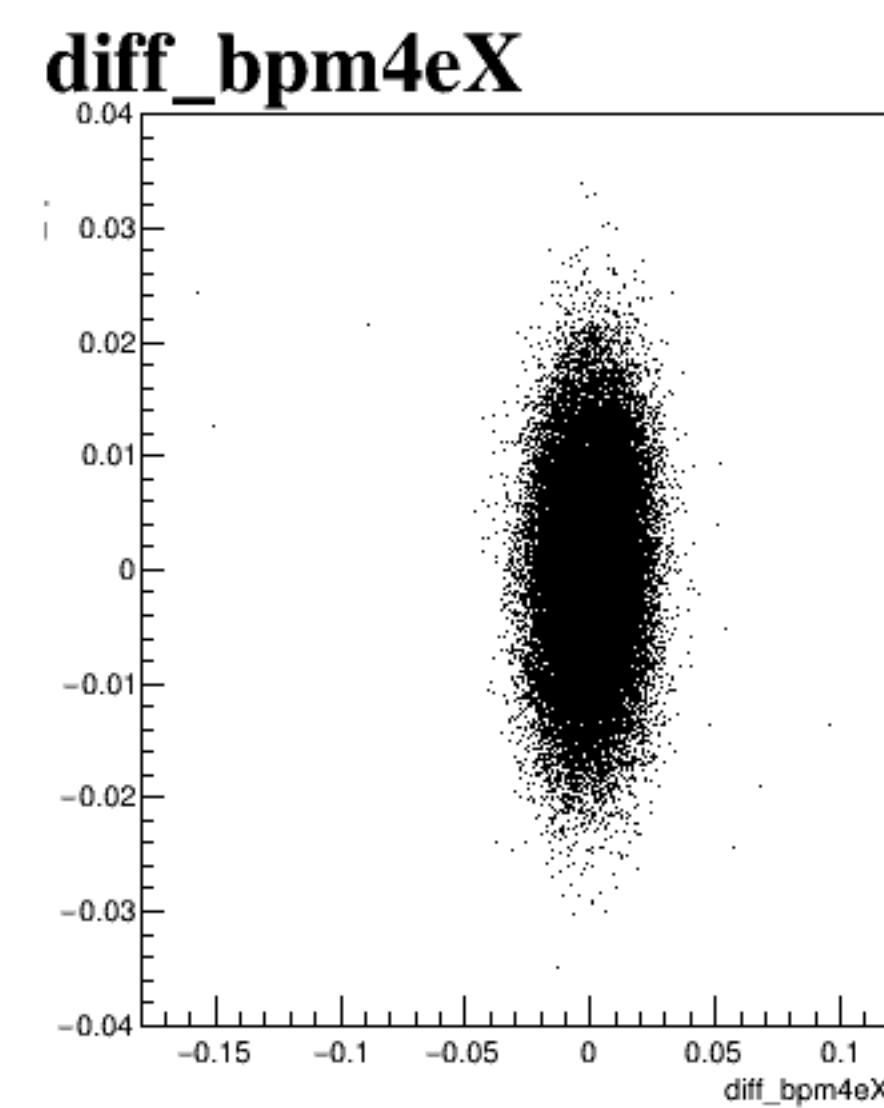
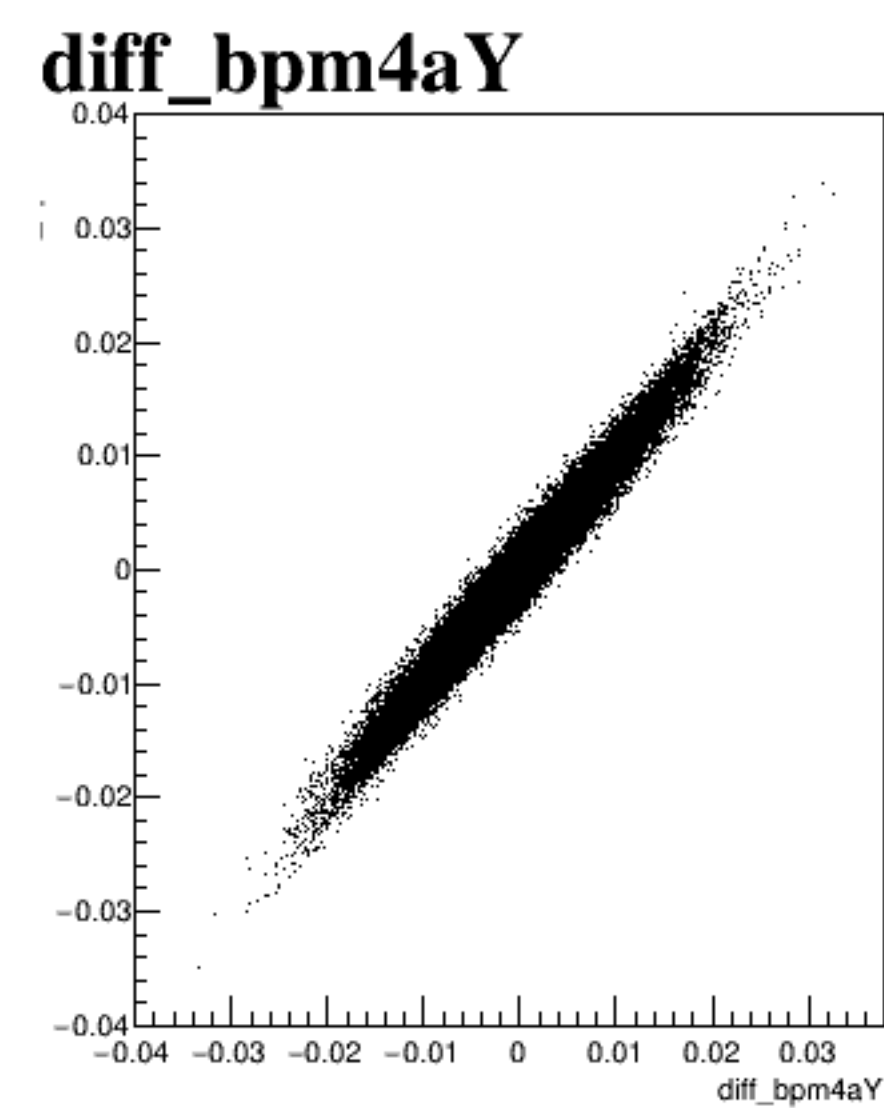
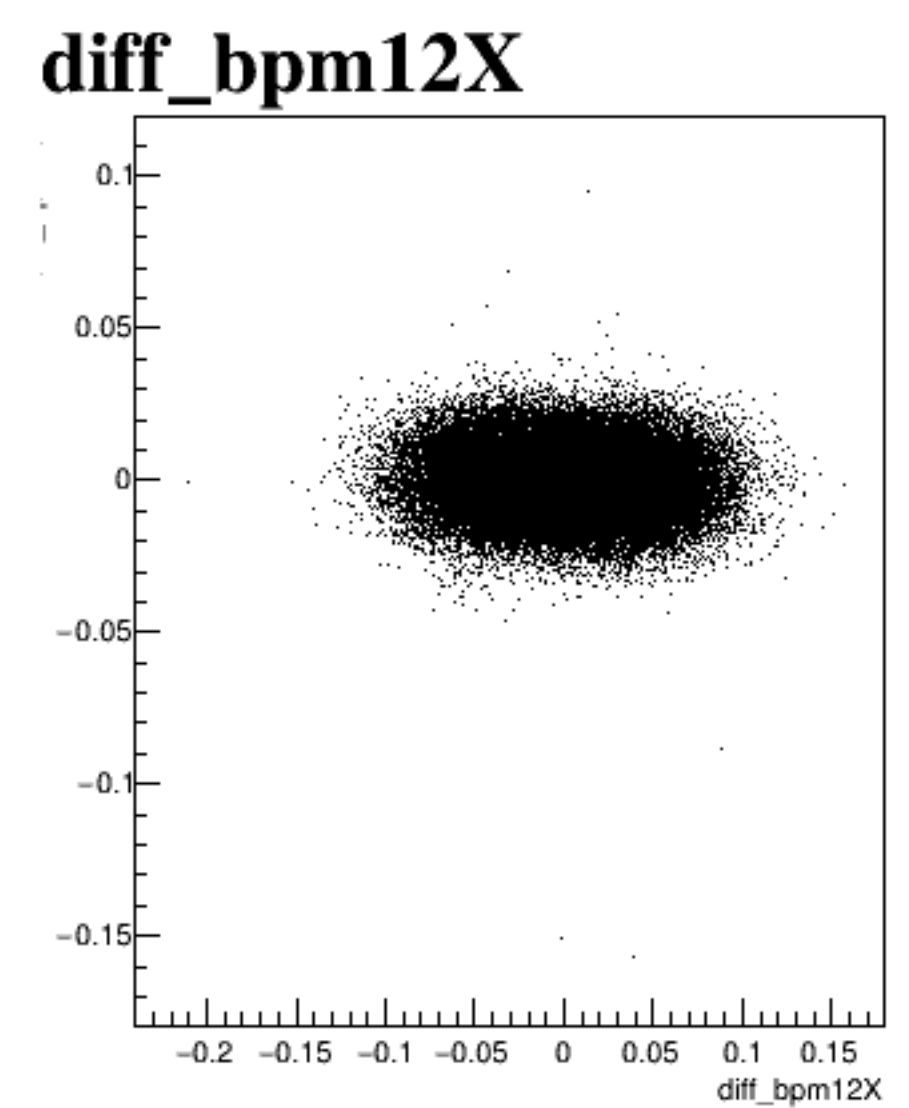
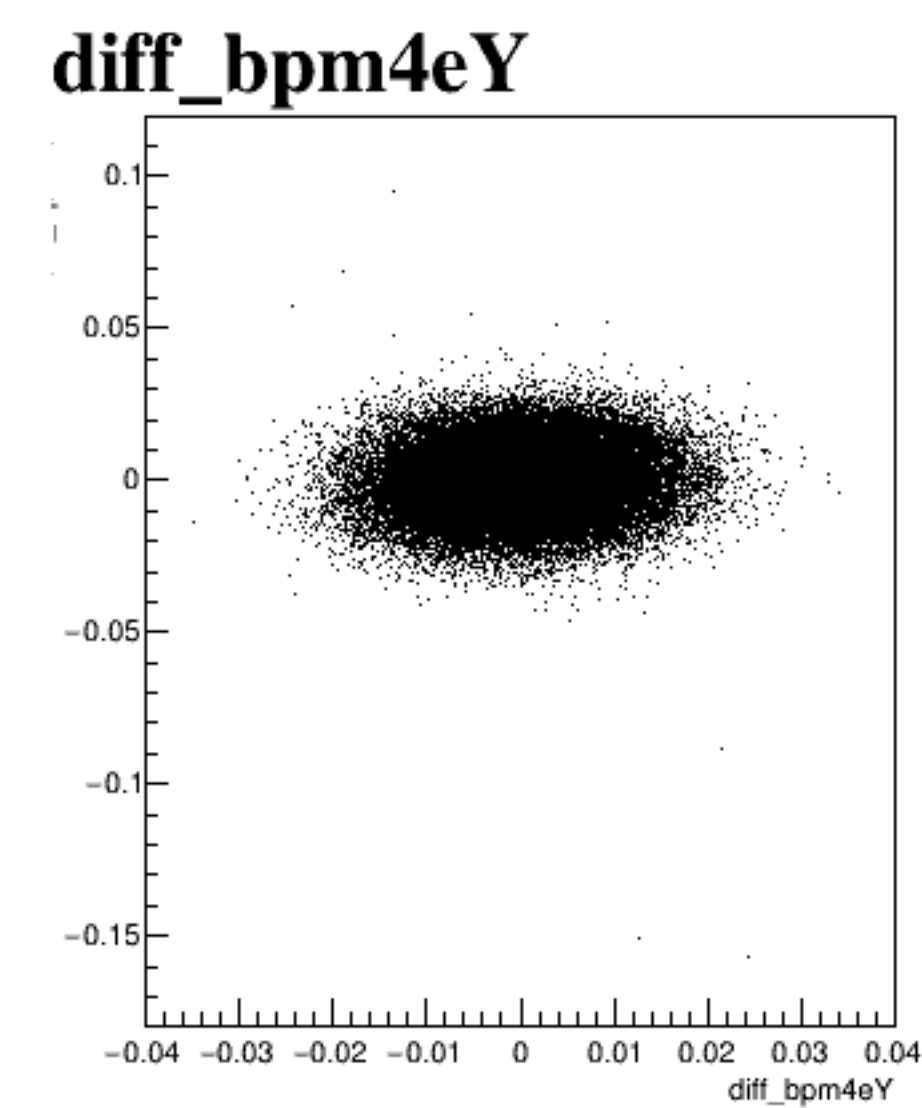
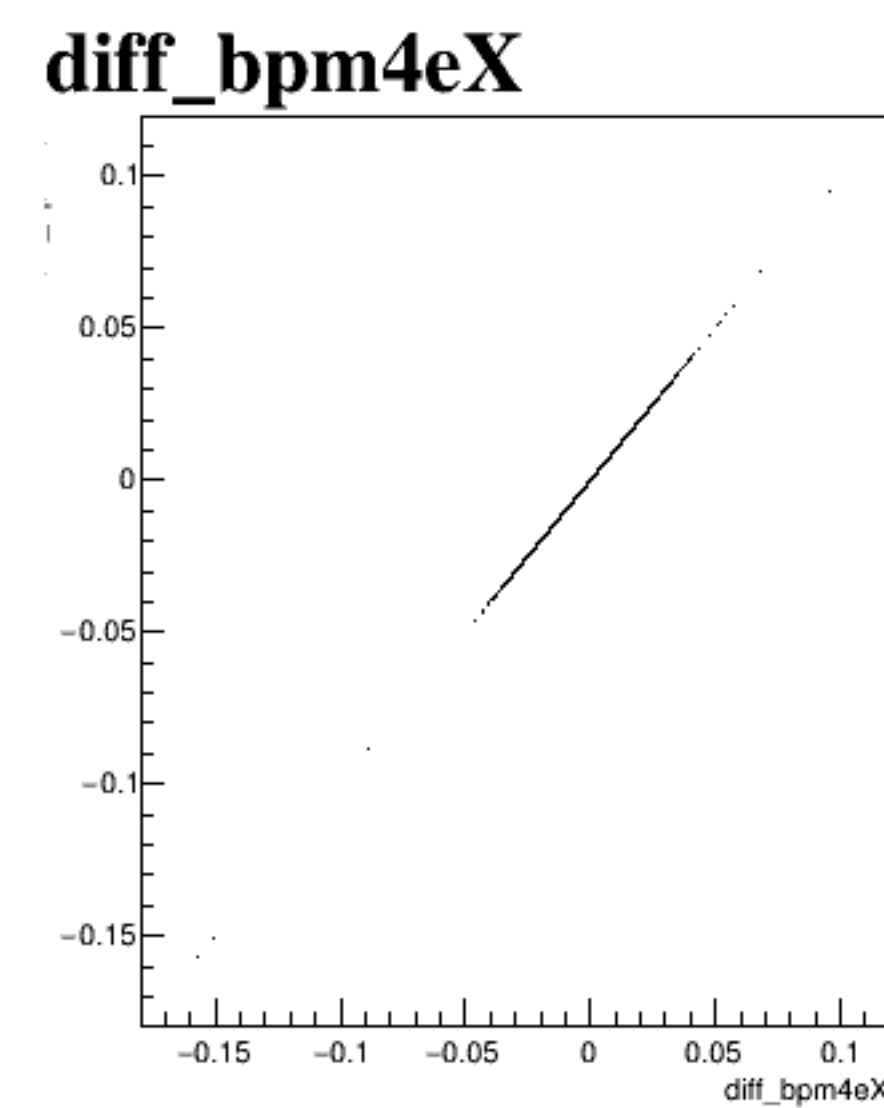
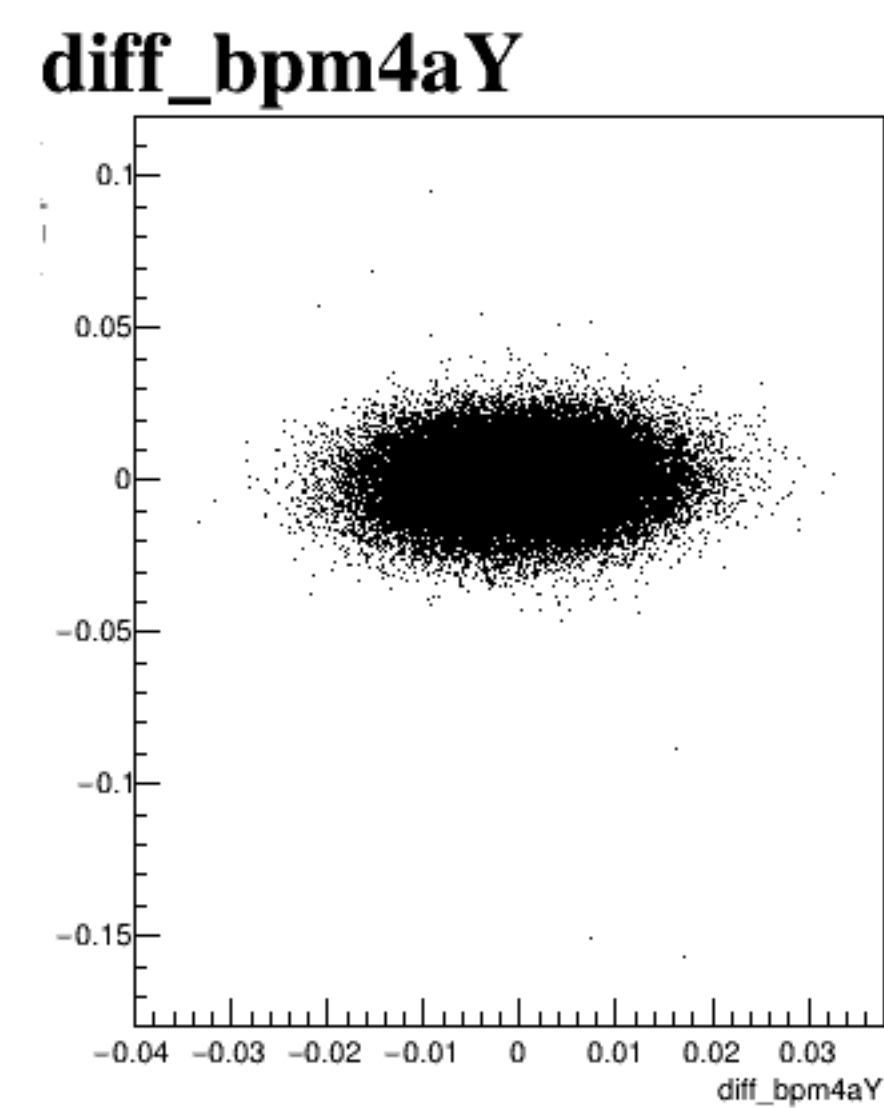
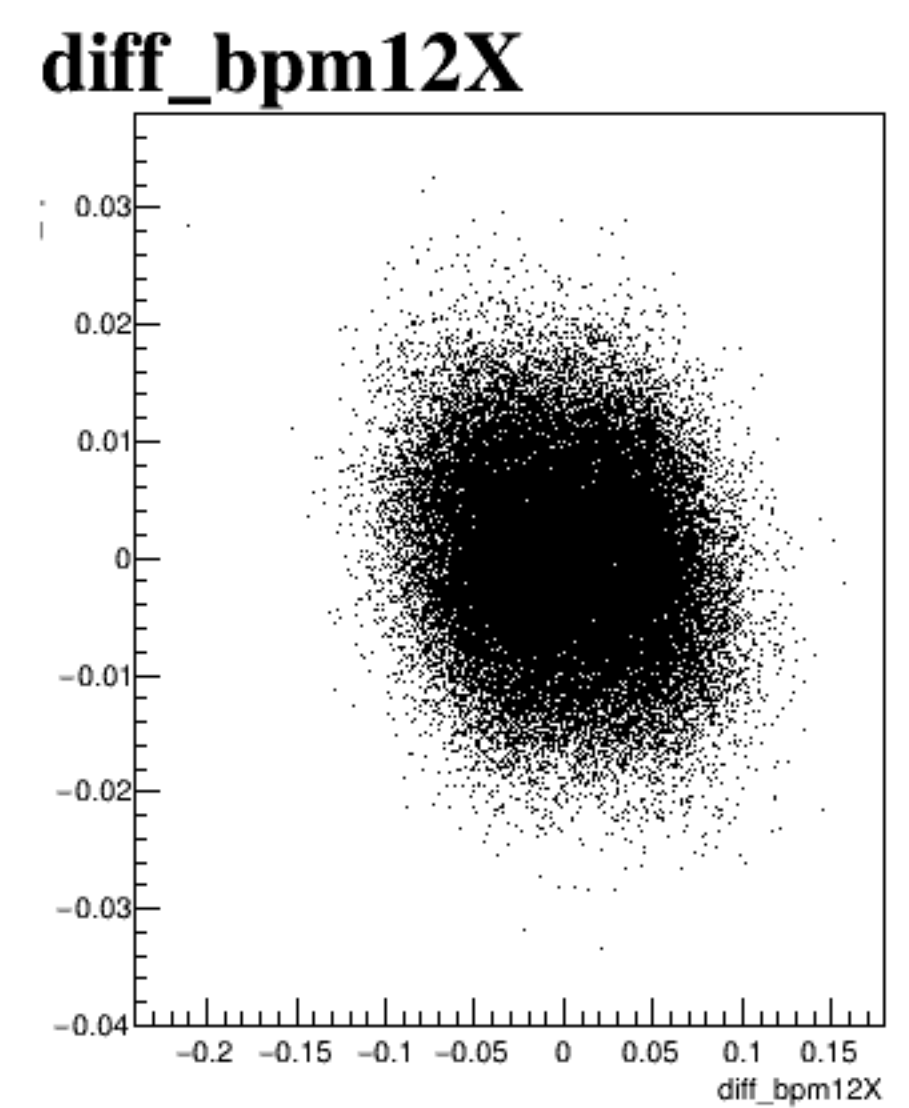
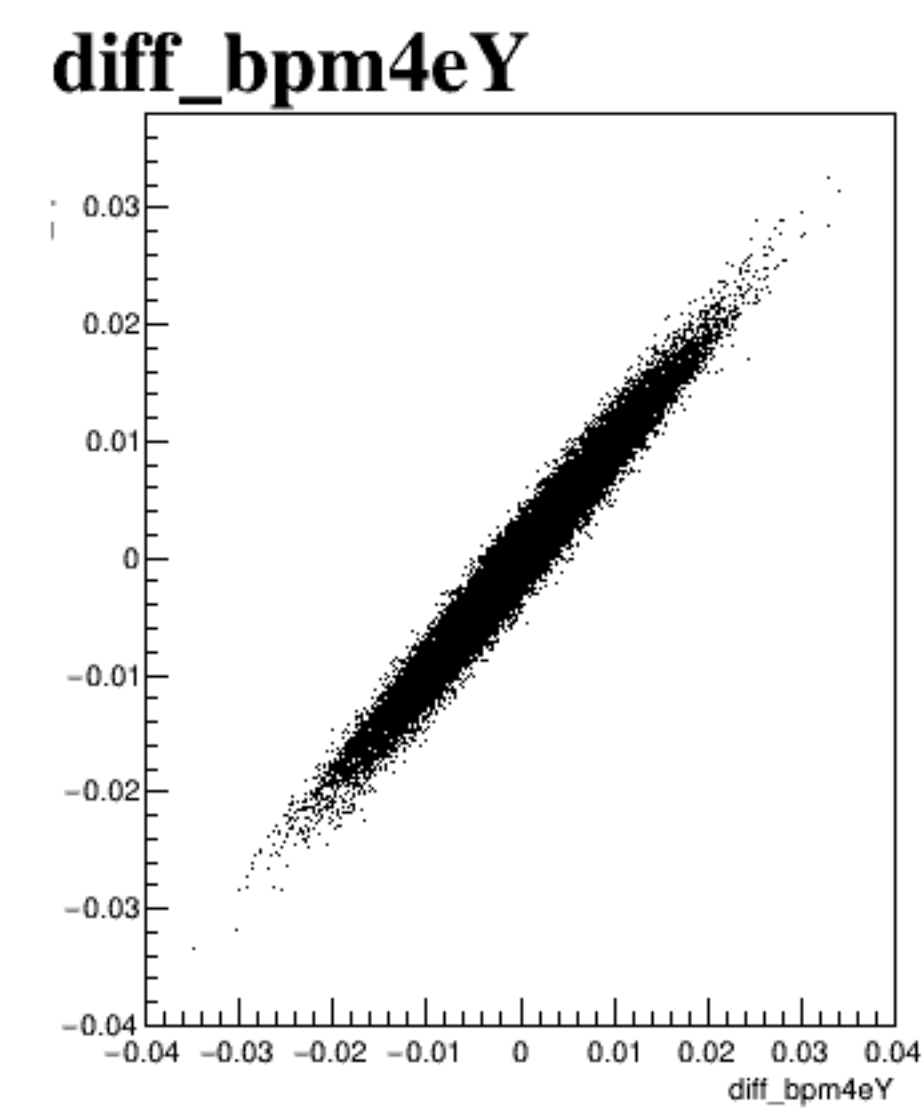
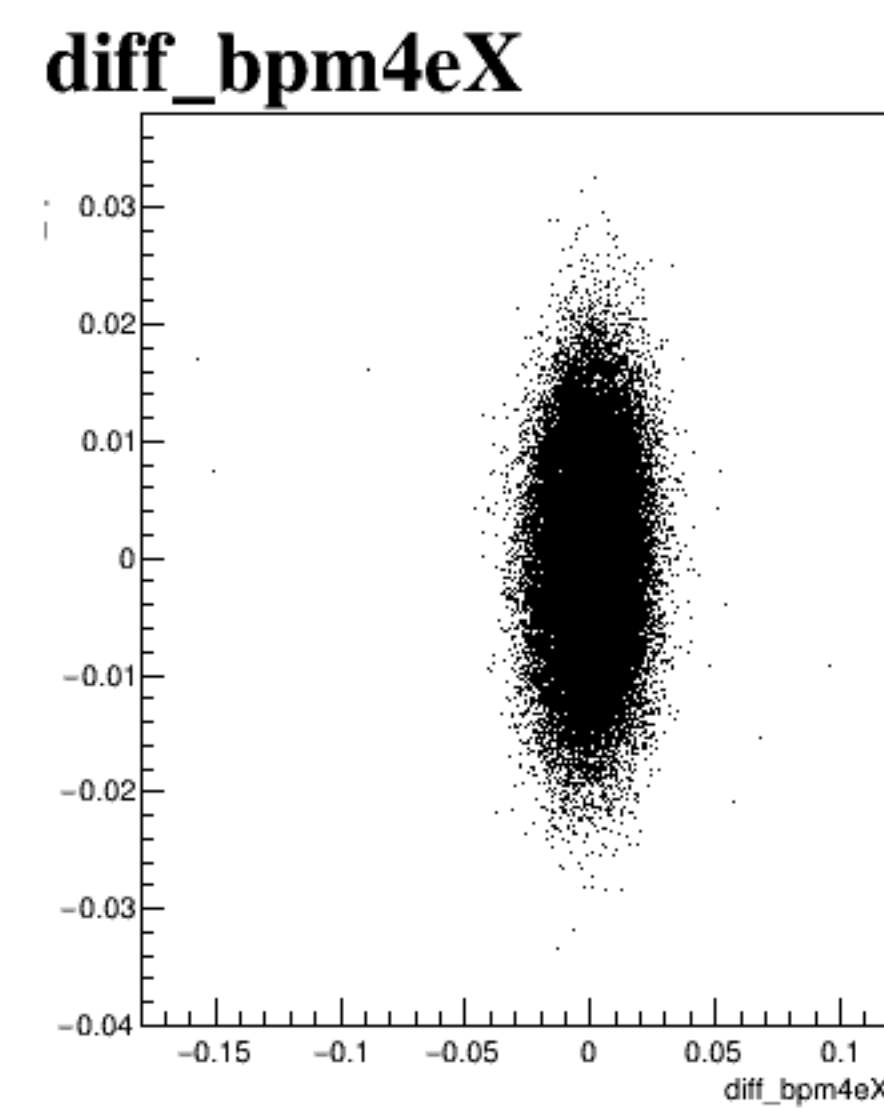
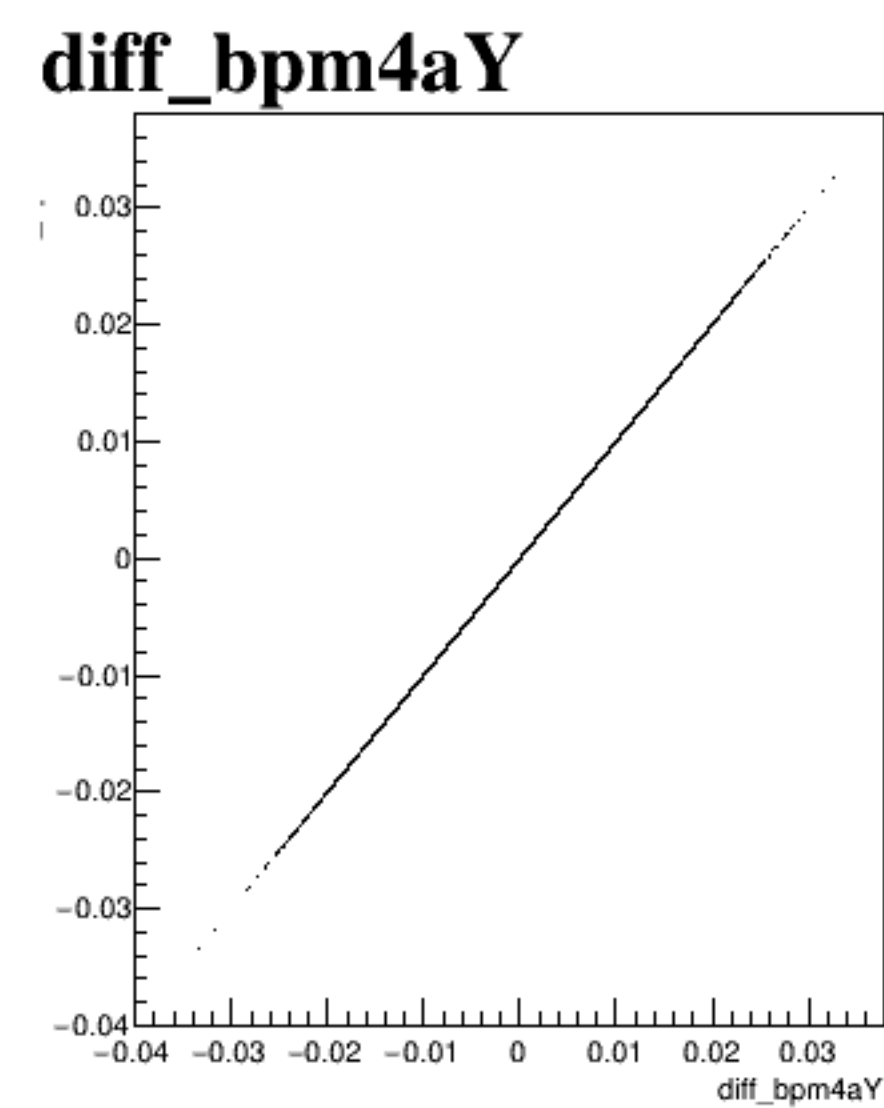
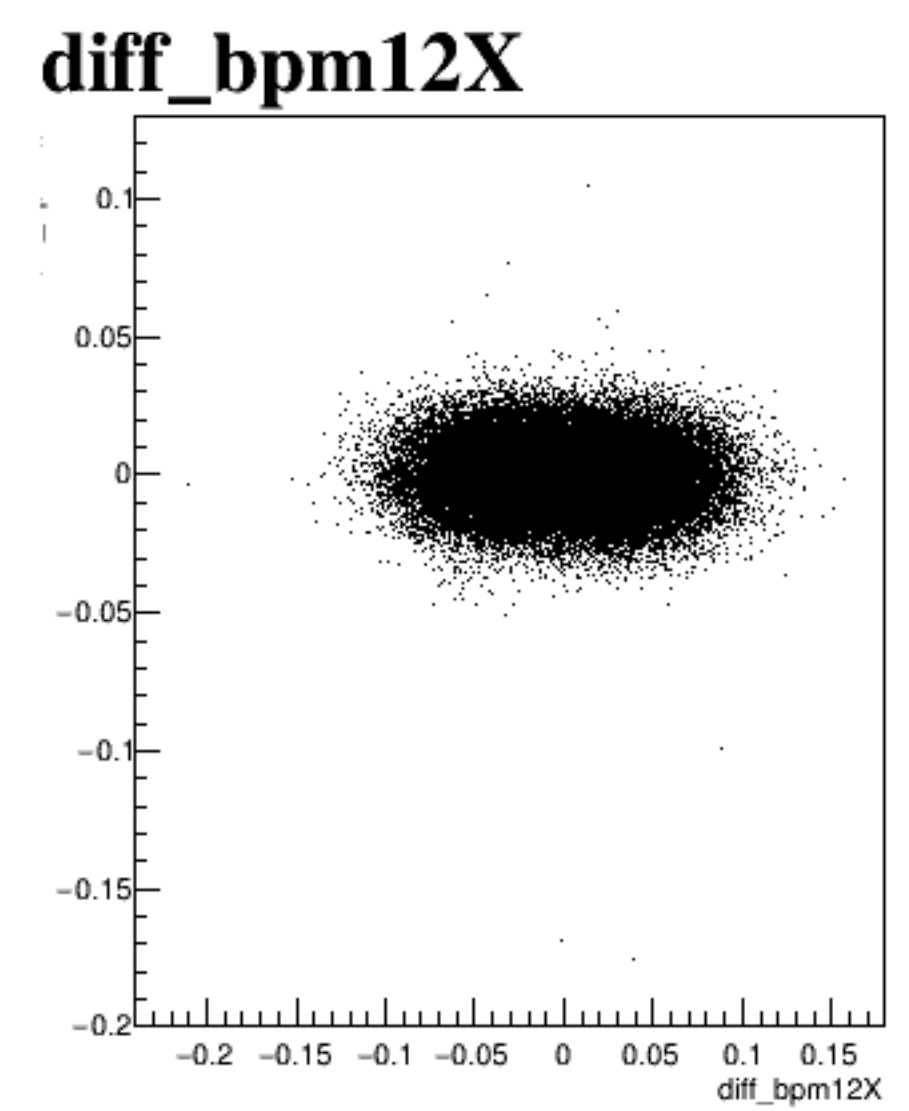
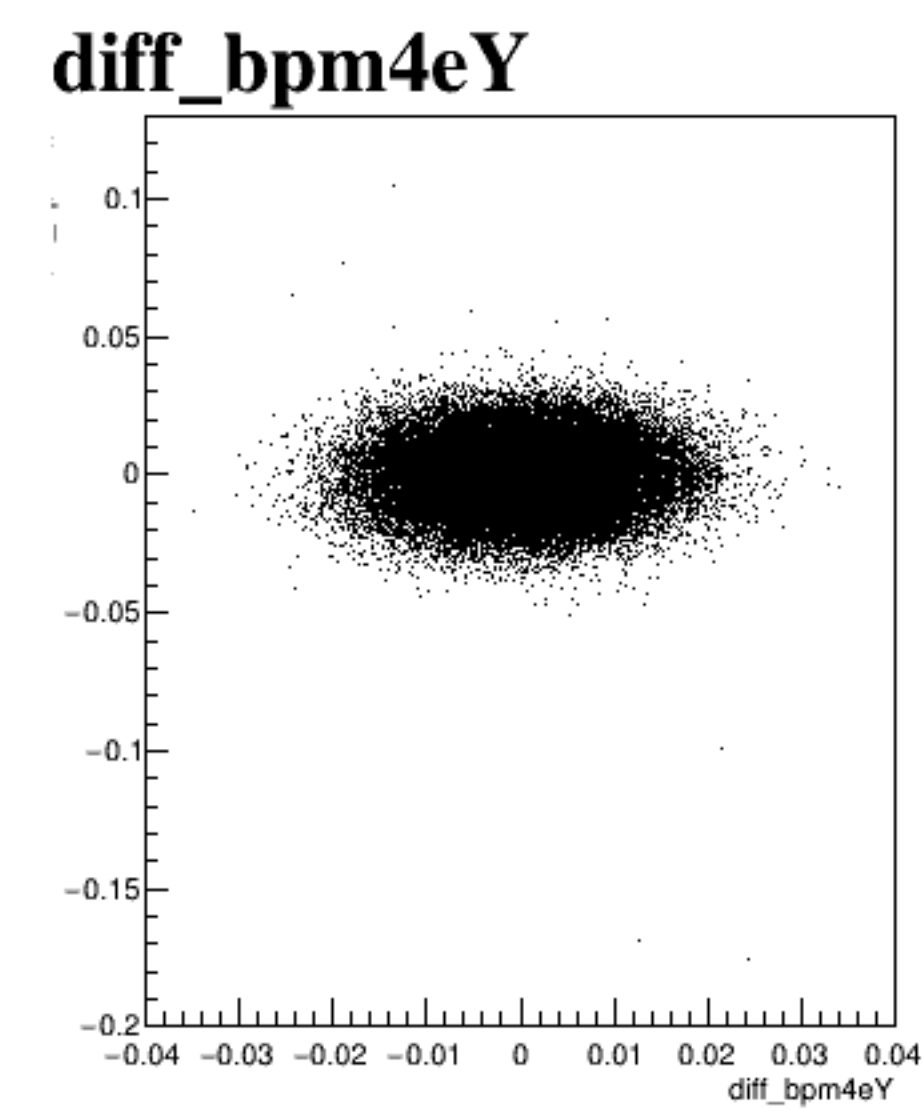
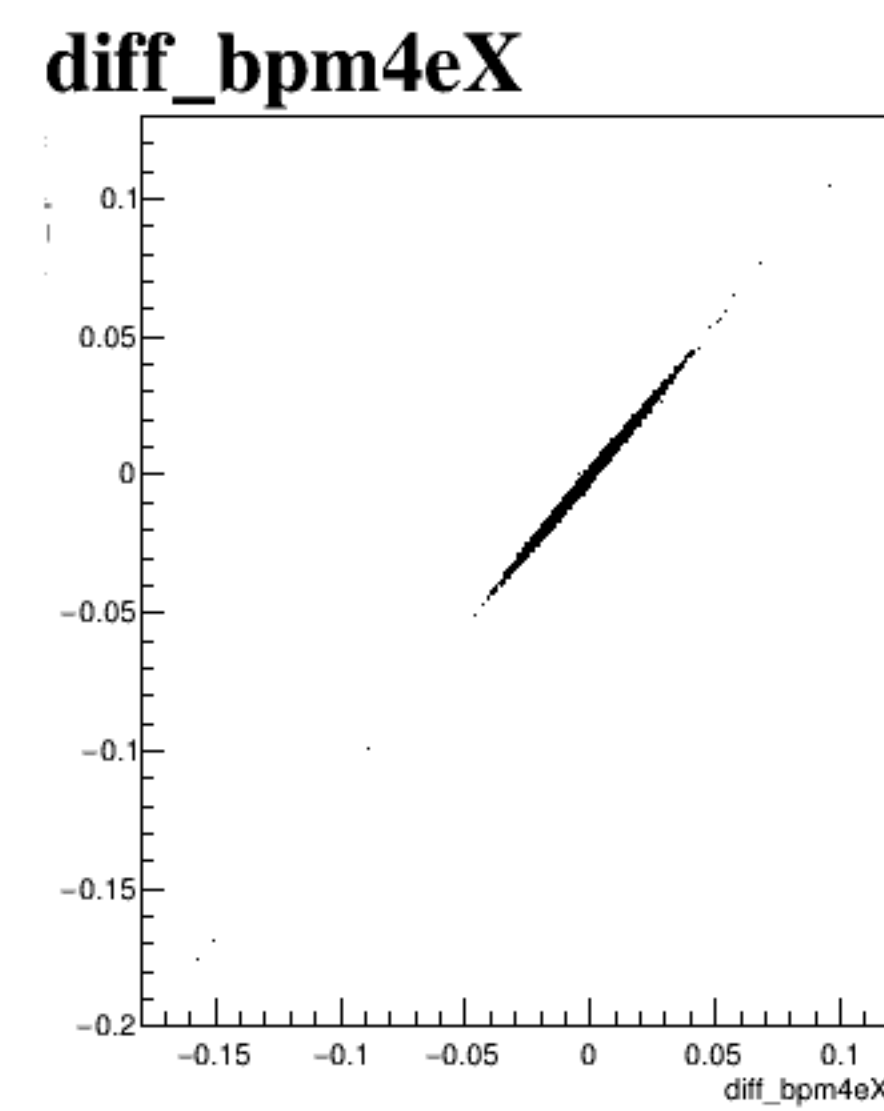
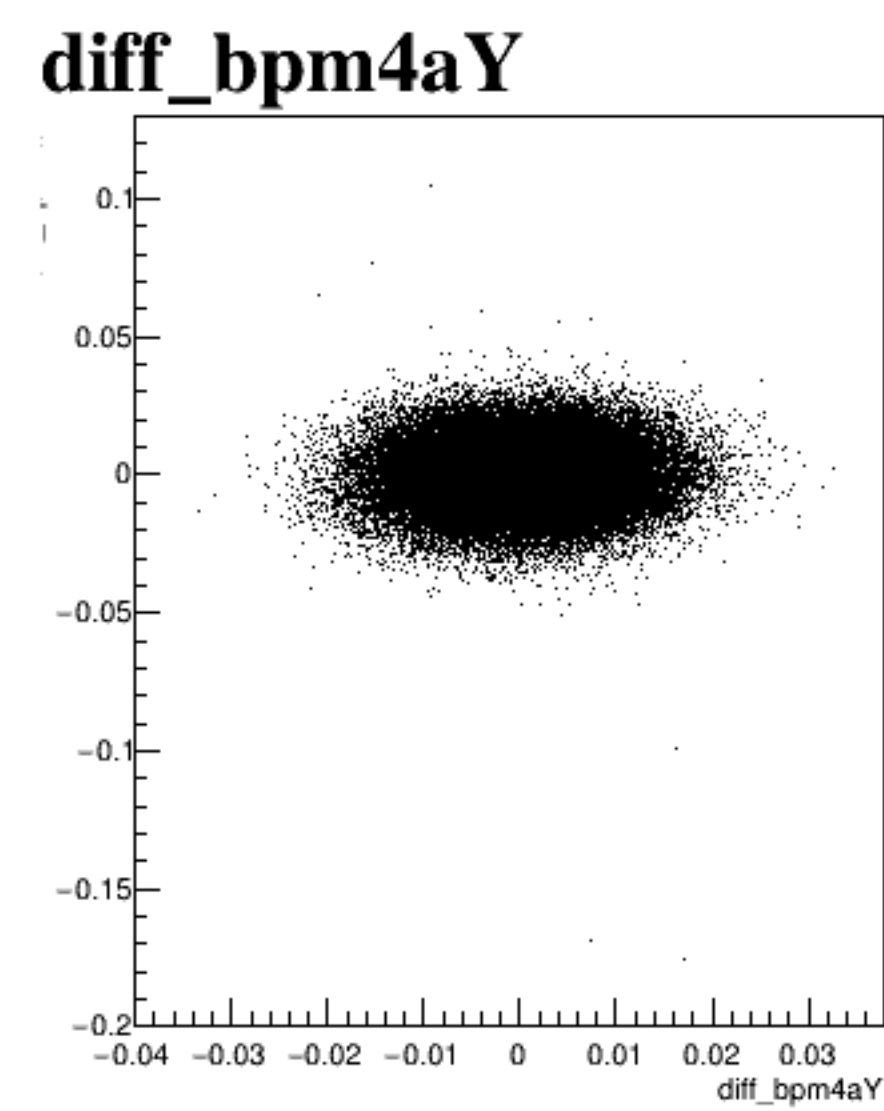
diff_bpm4eY



diff_bpm12X



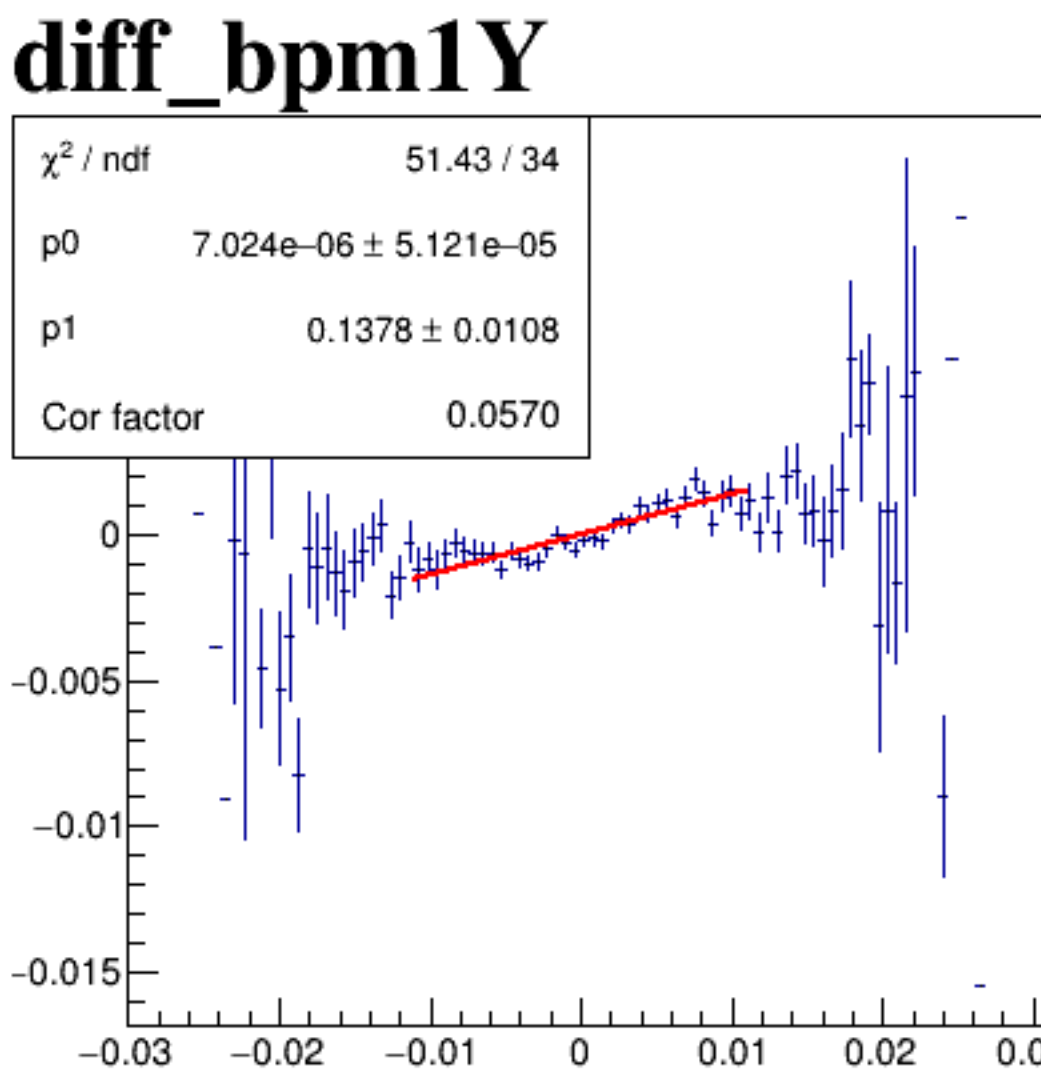
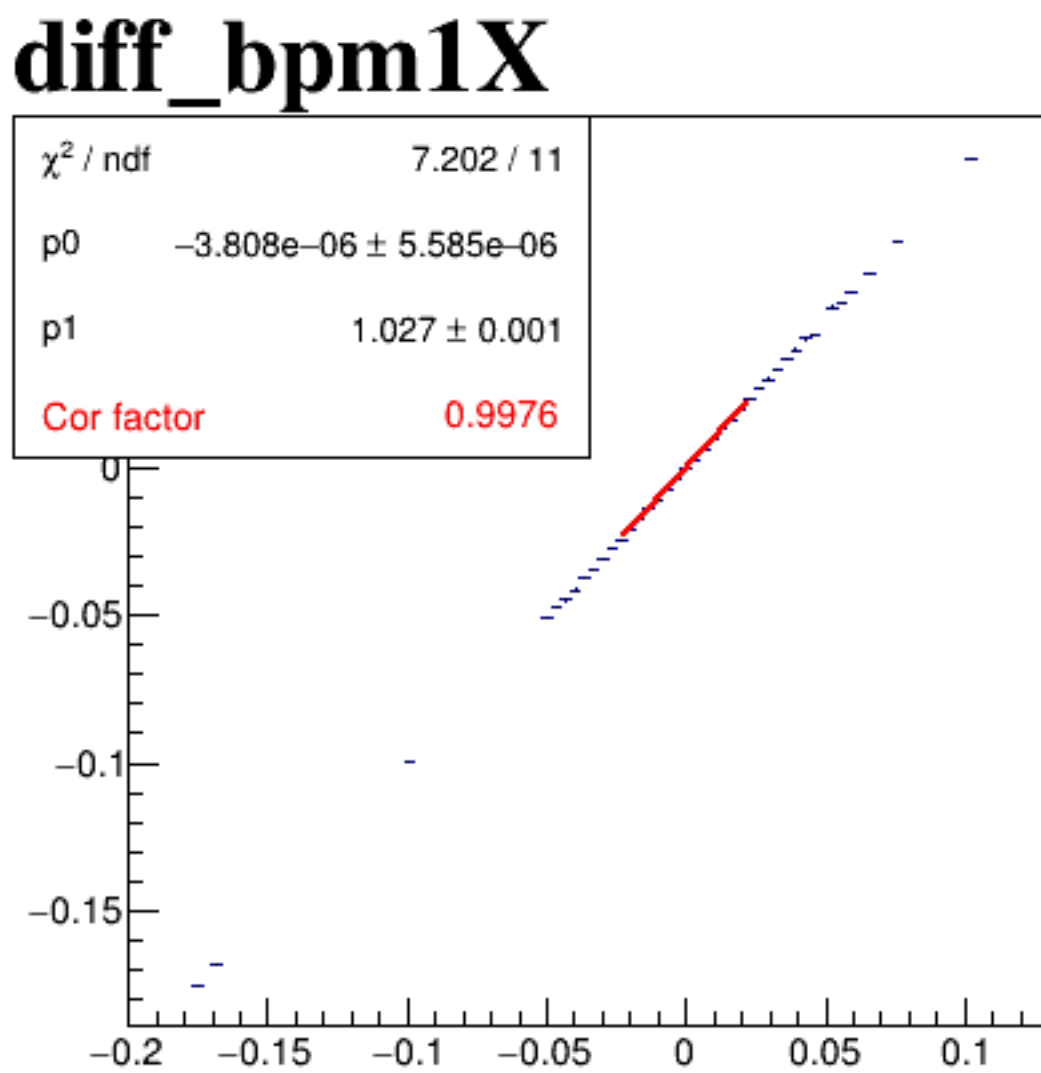
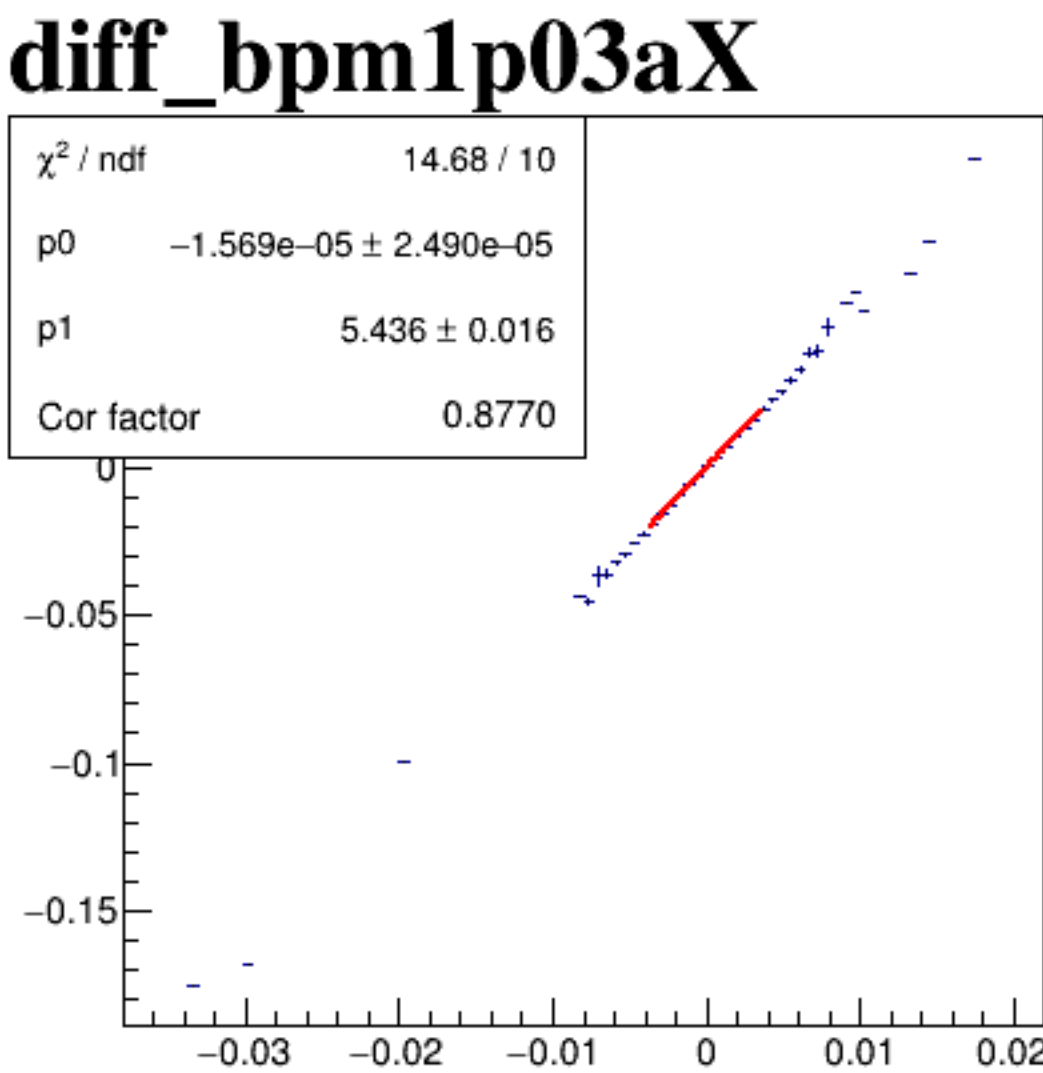
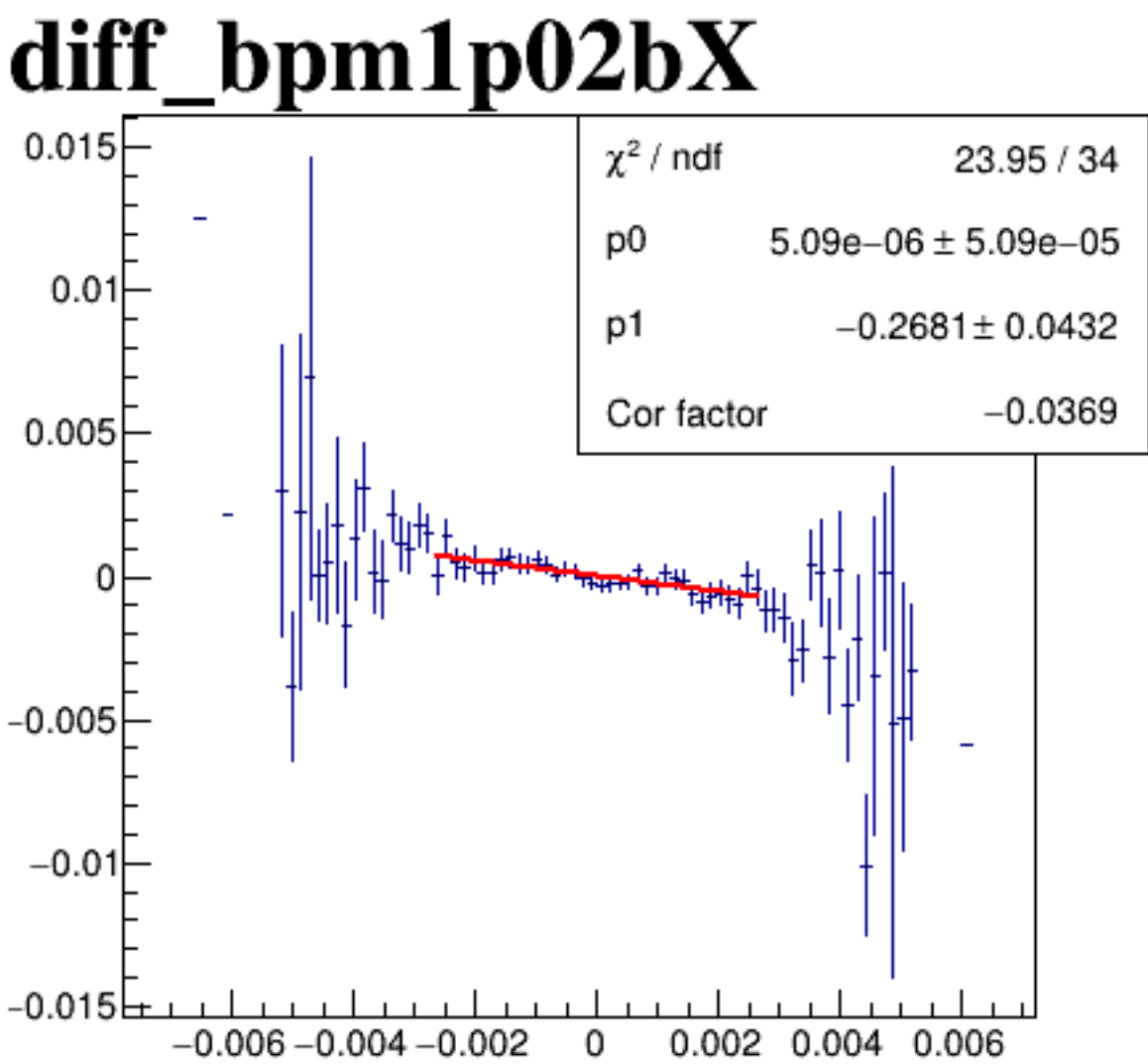
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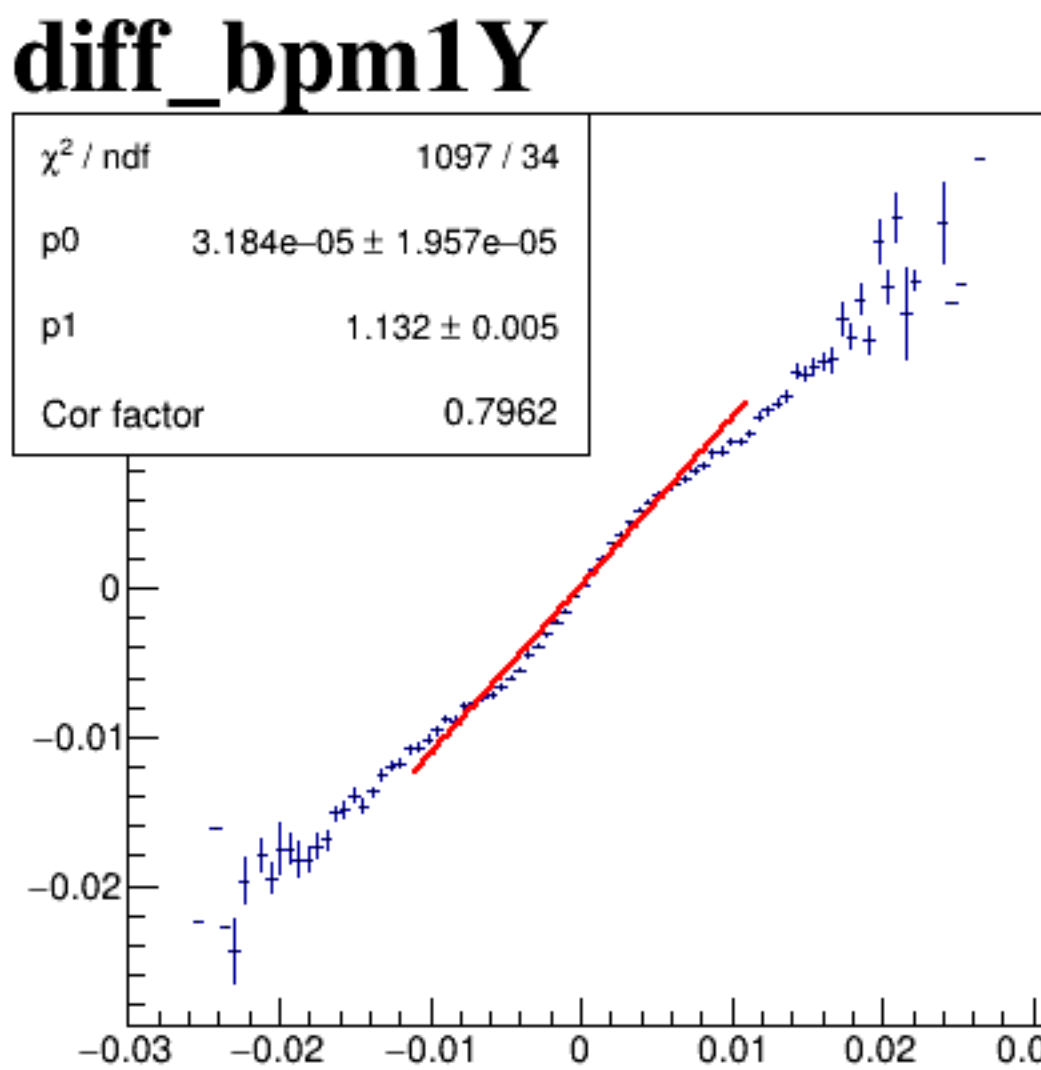
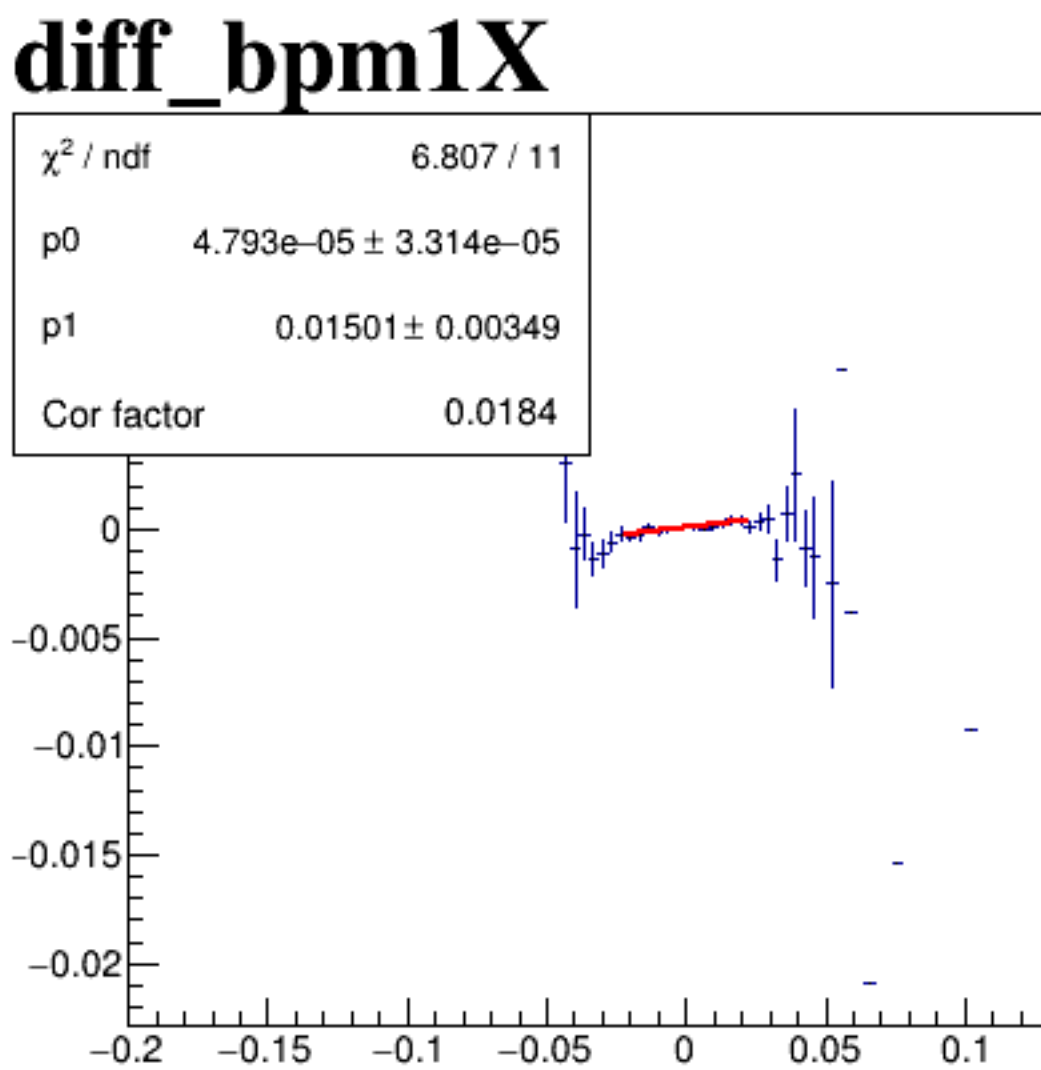
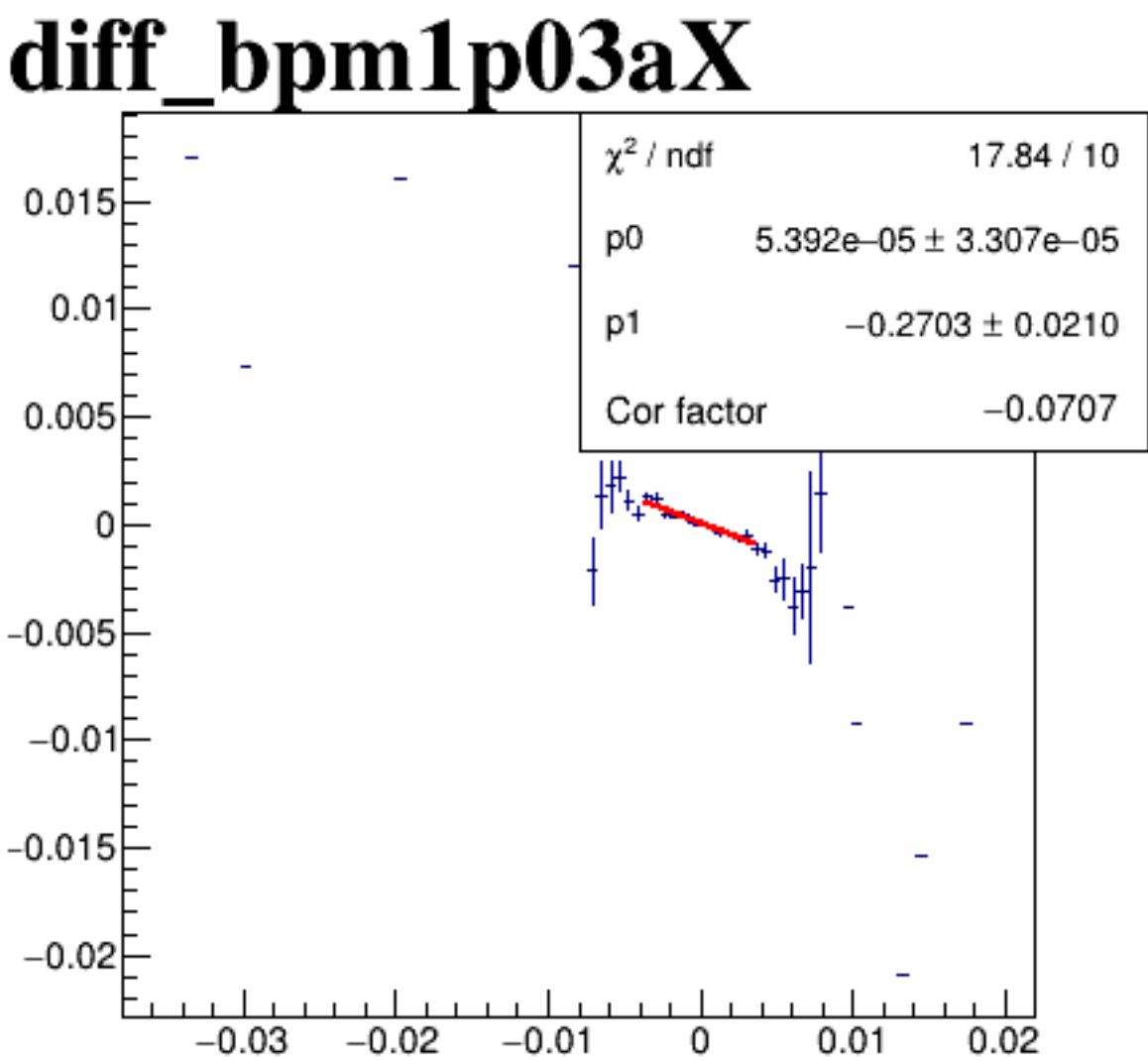
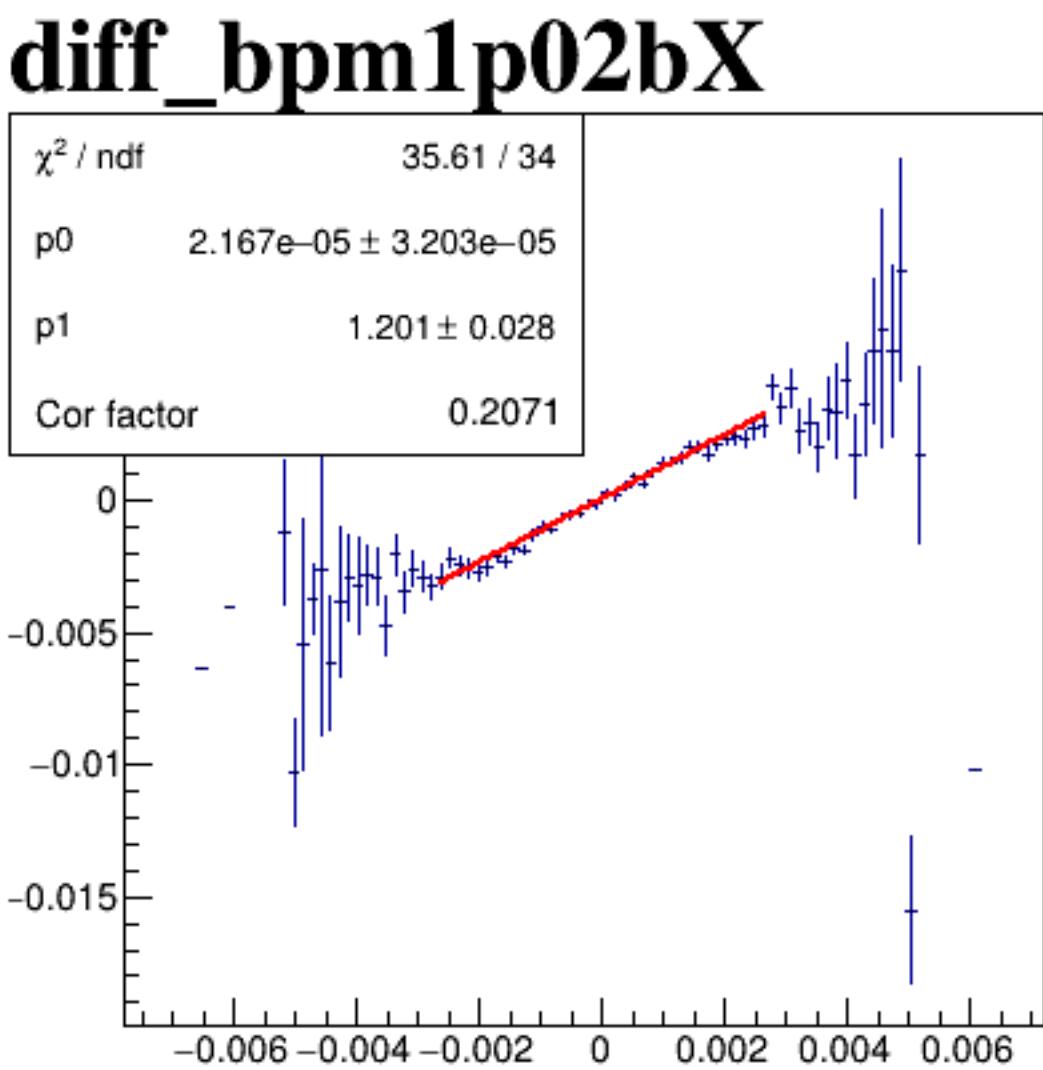
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run6381_000_diff_bpm_mutual_correlation_COLZ_upstream.png

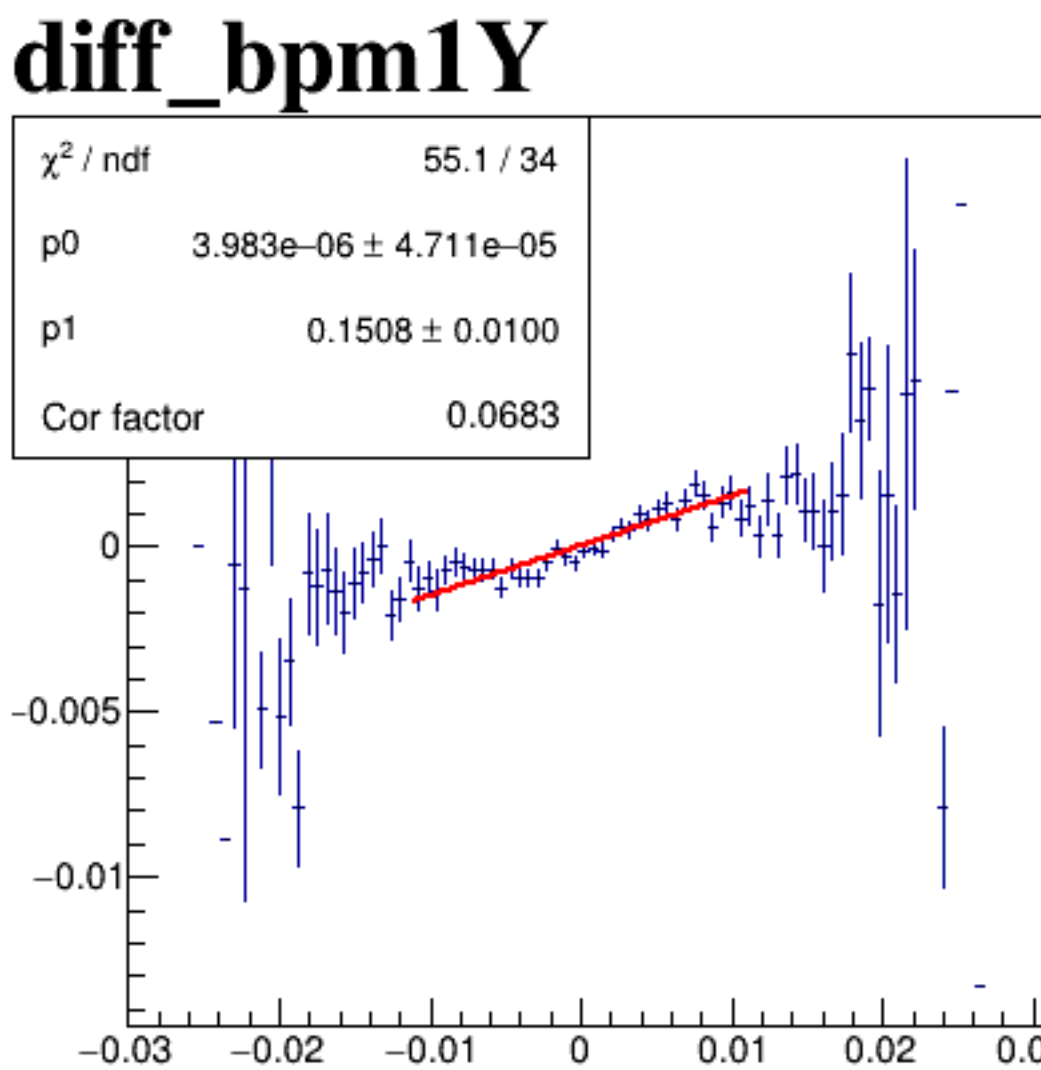
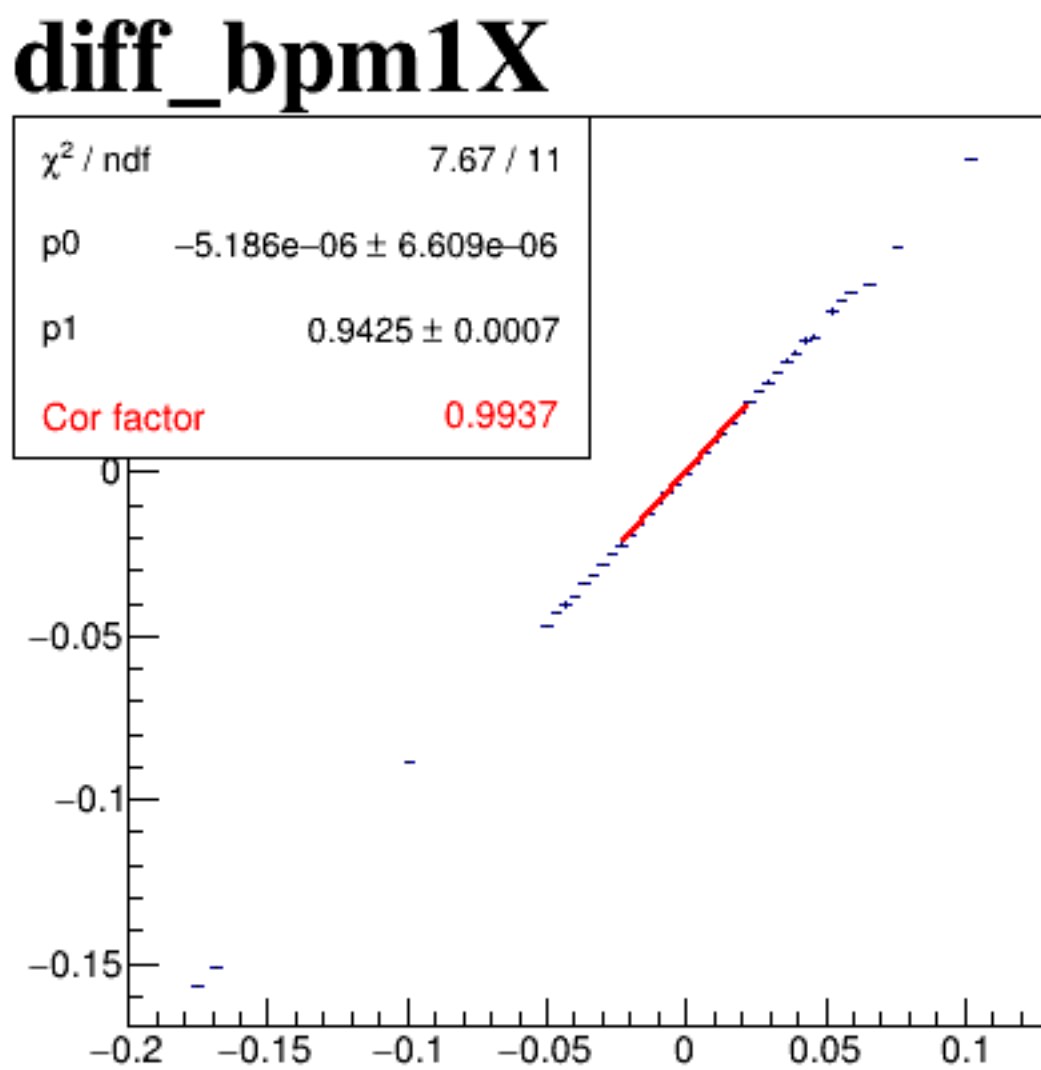
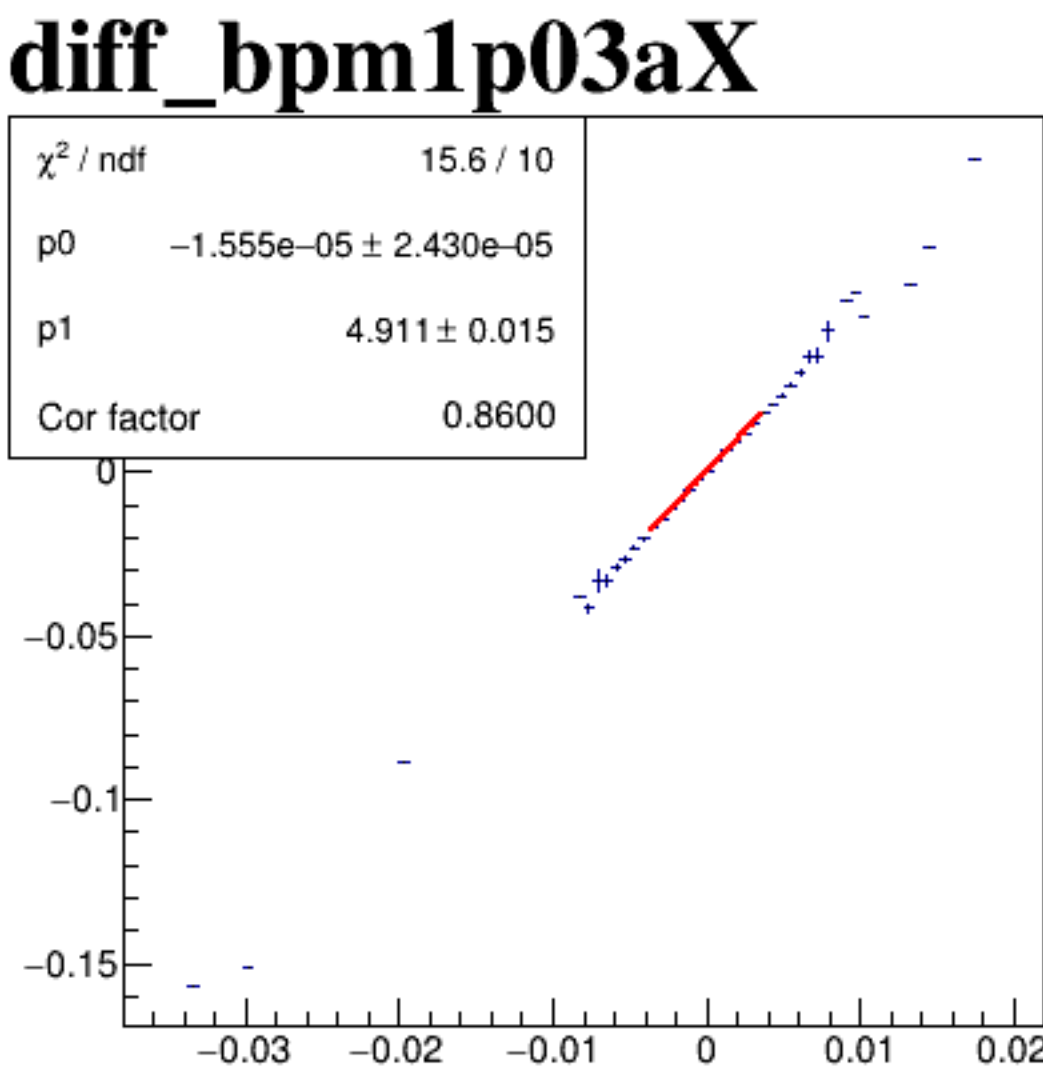
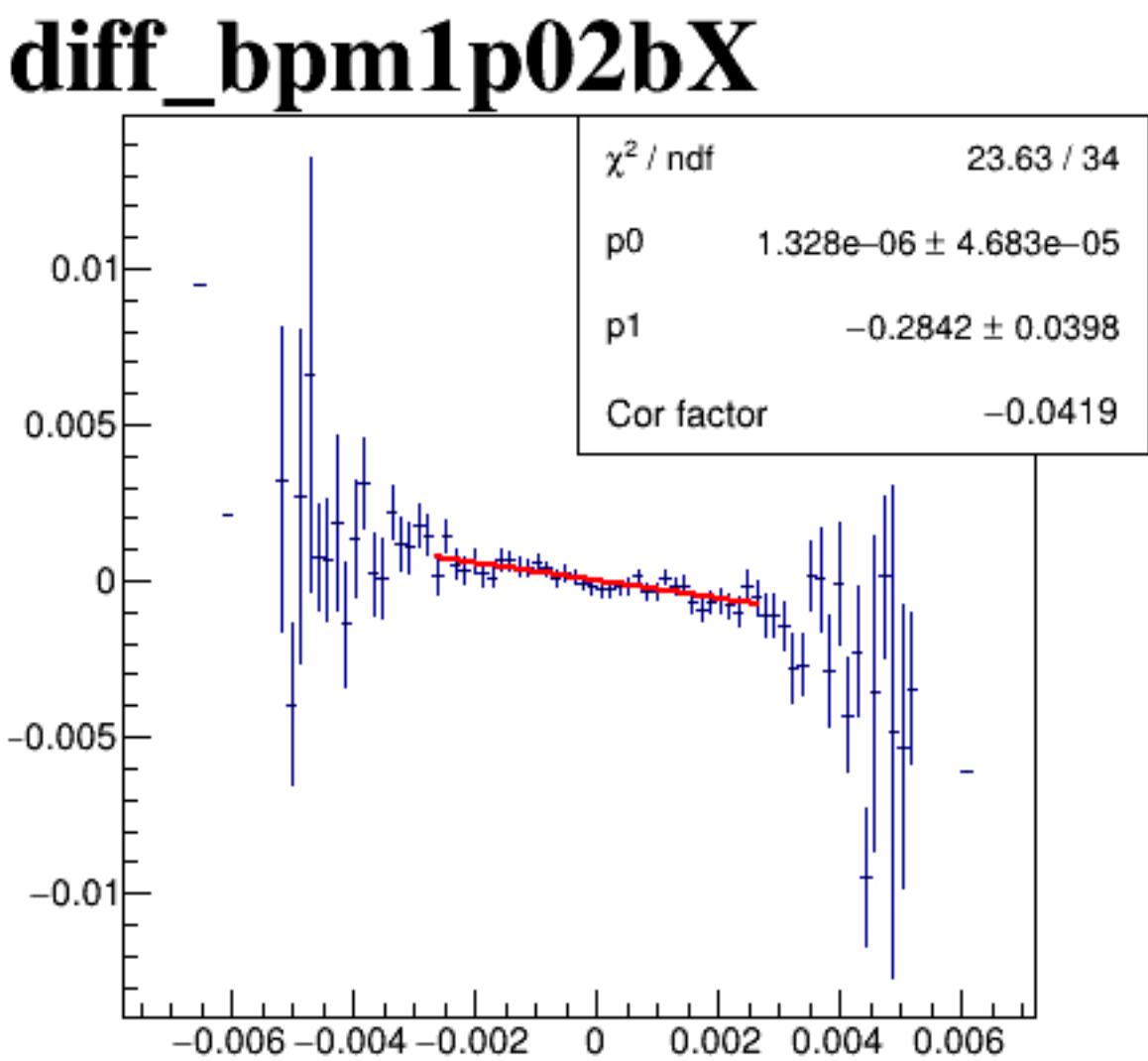
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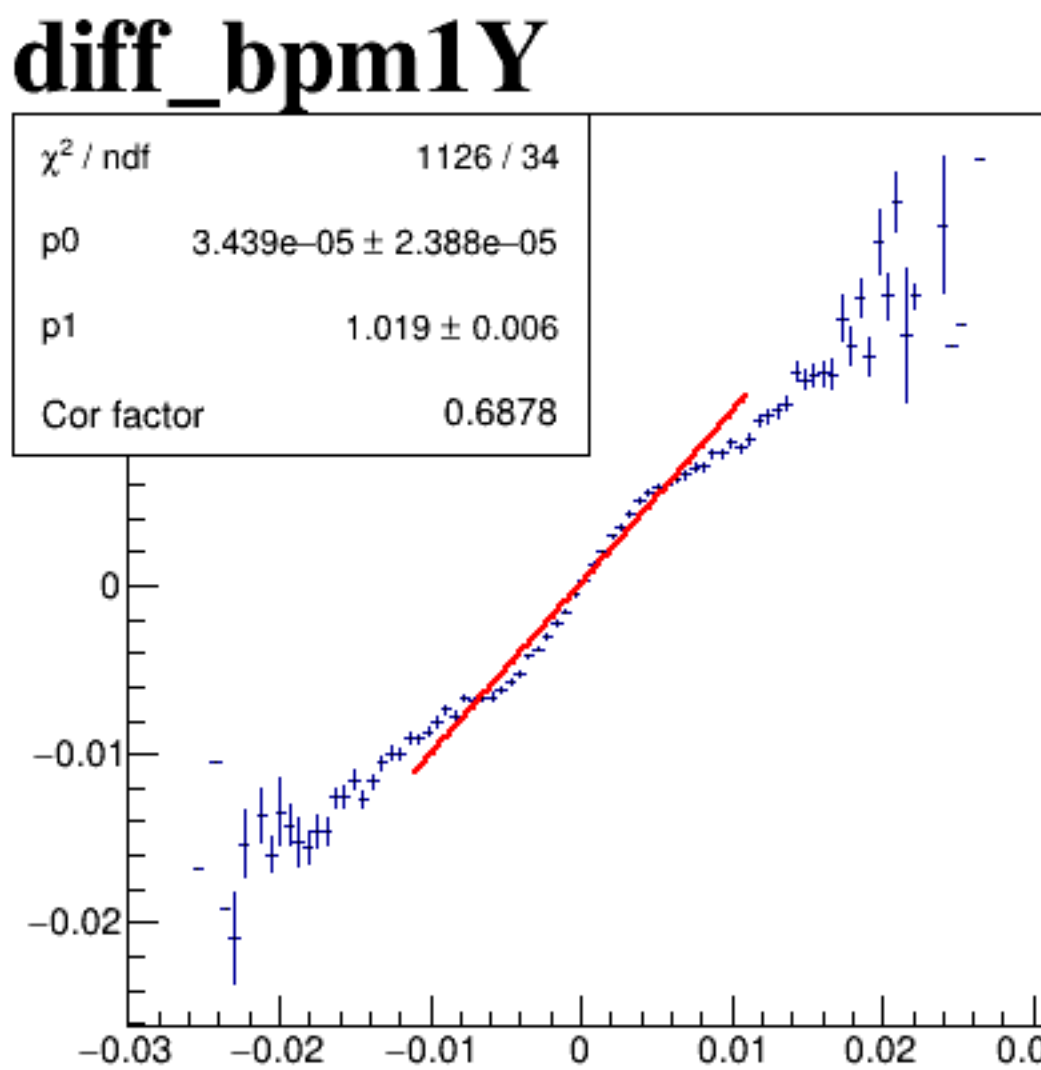
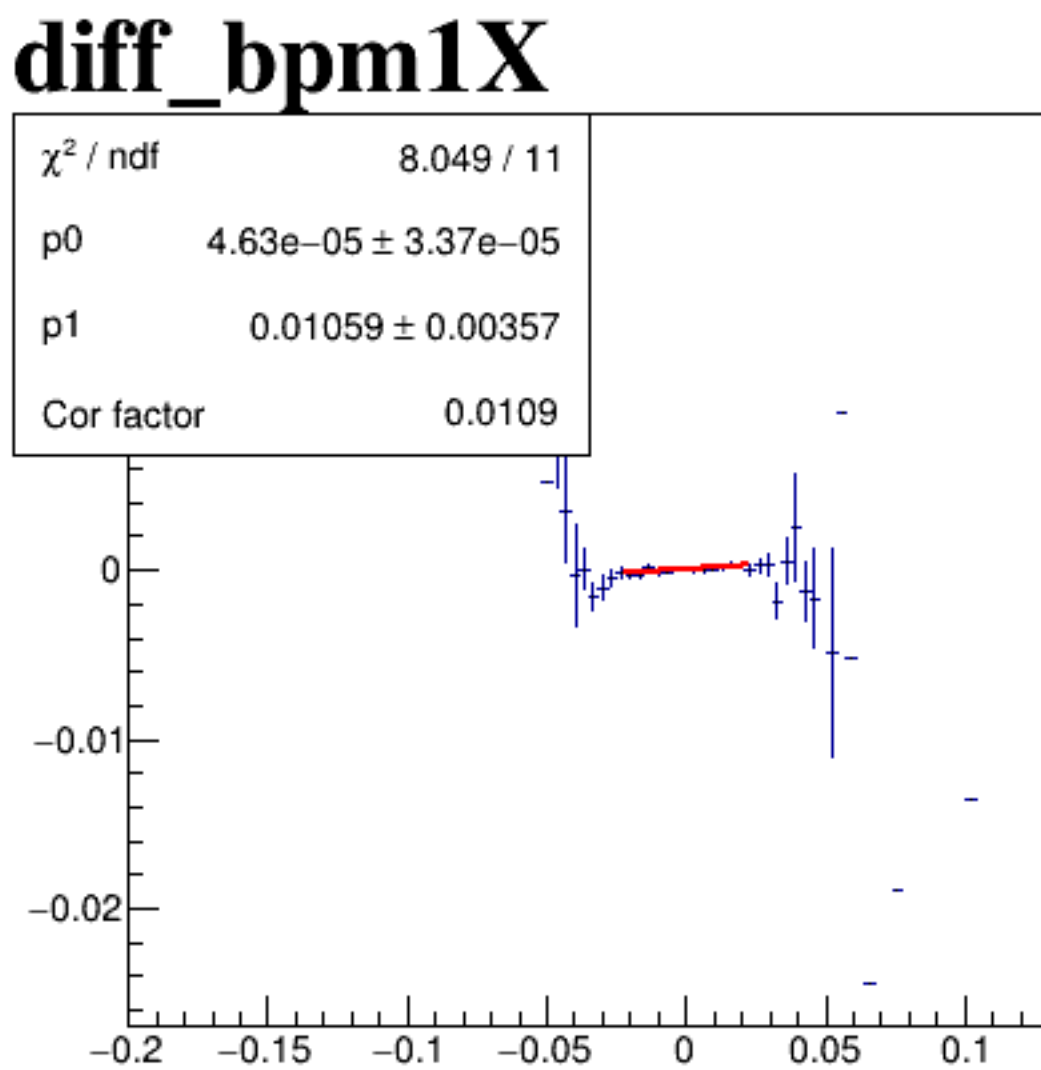
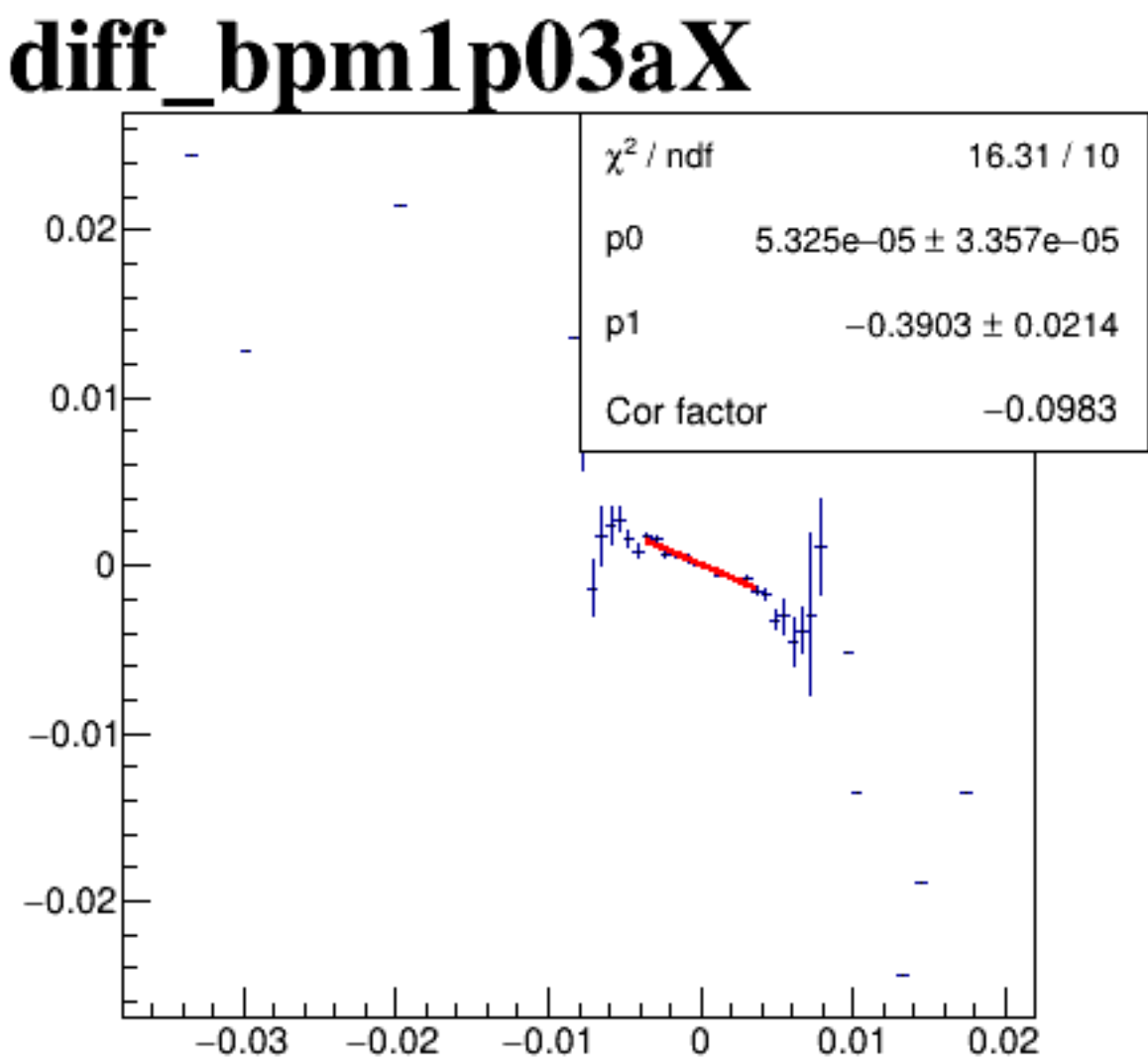
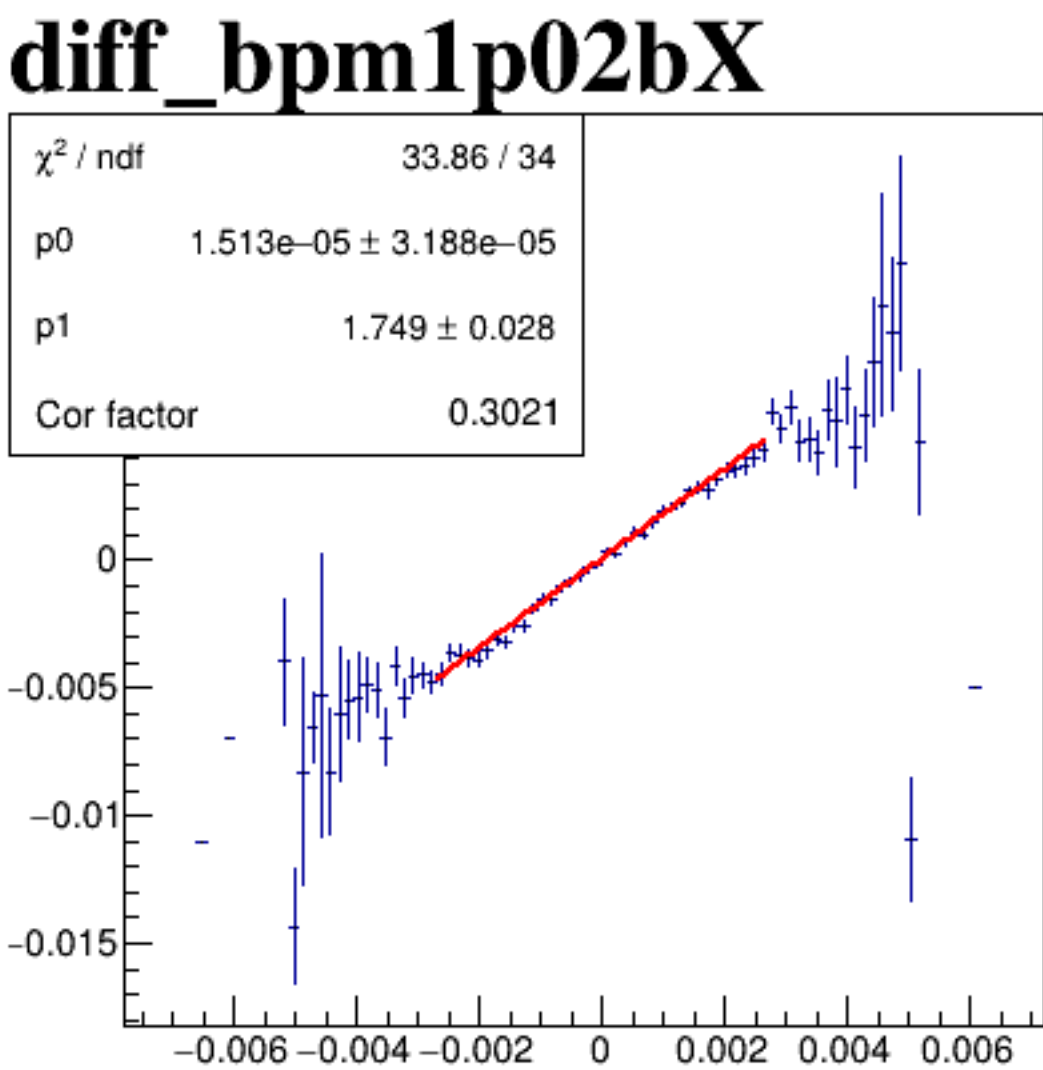
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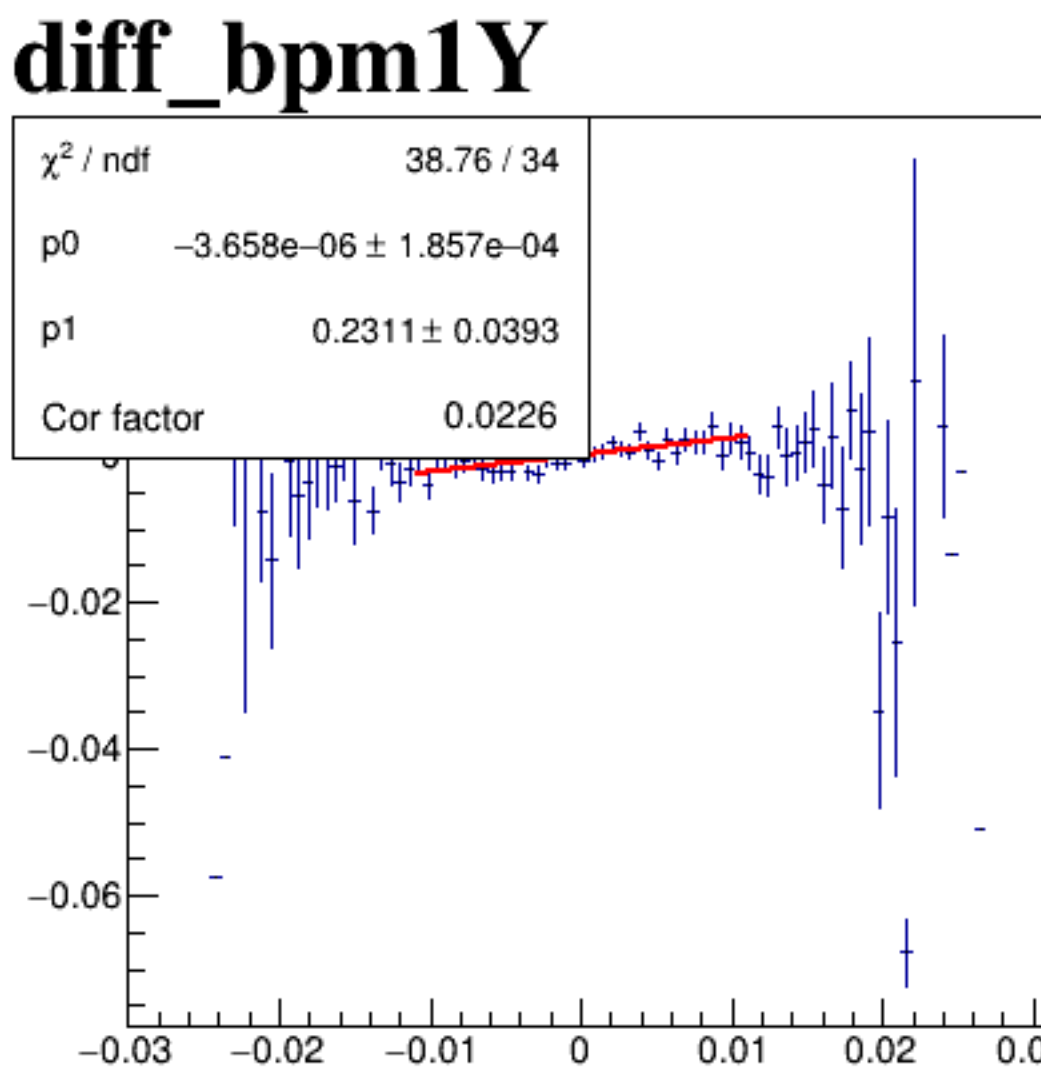
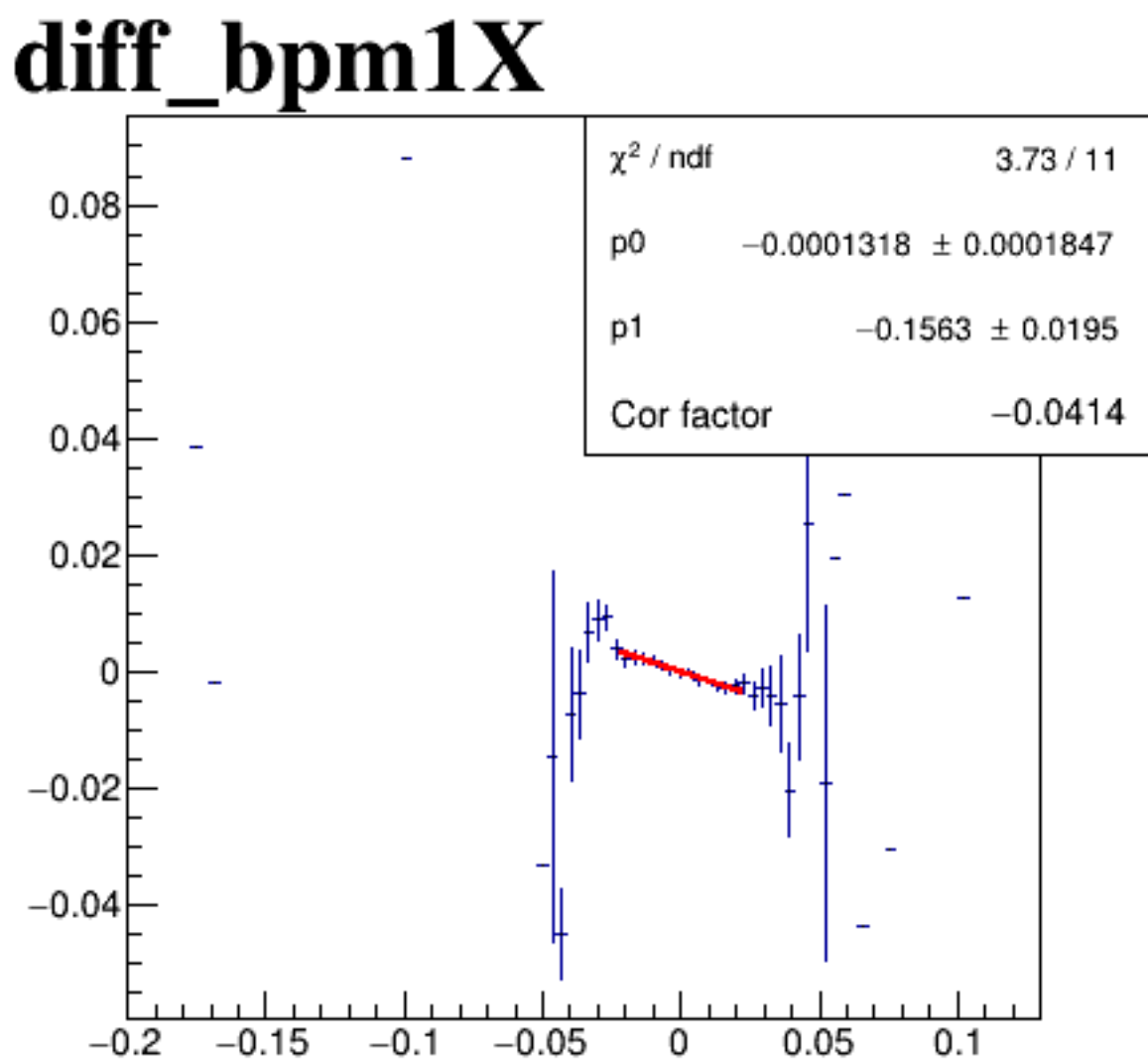
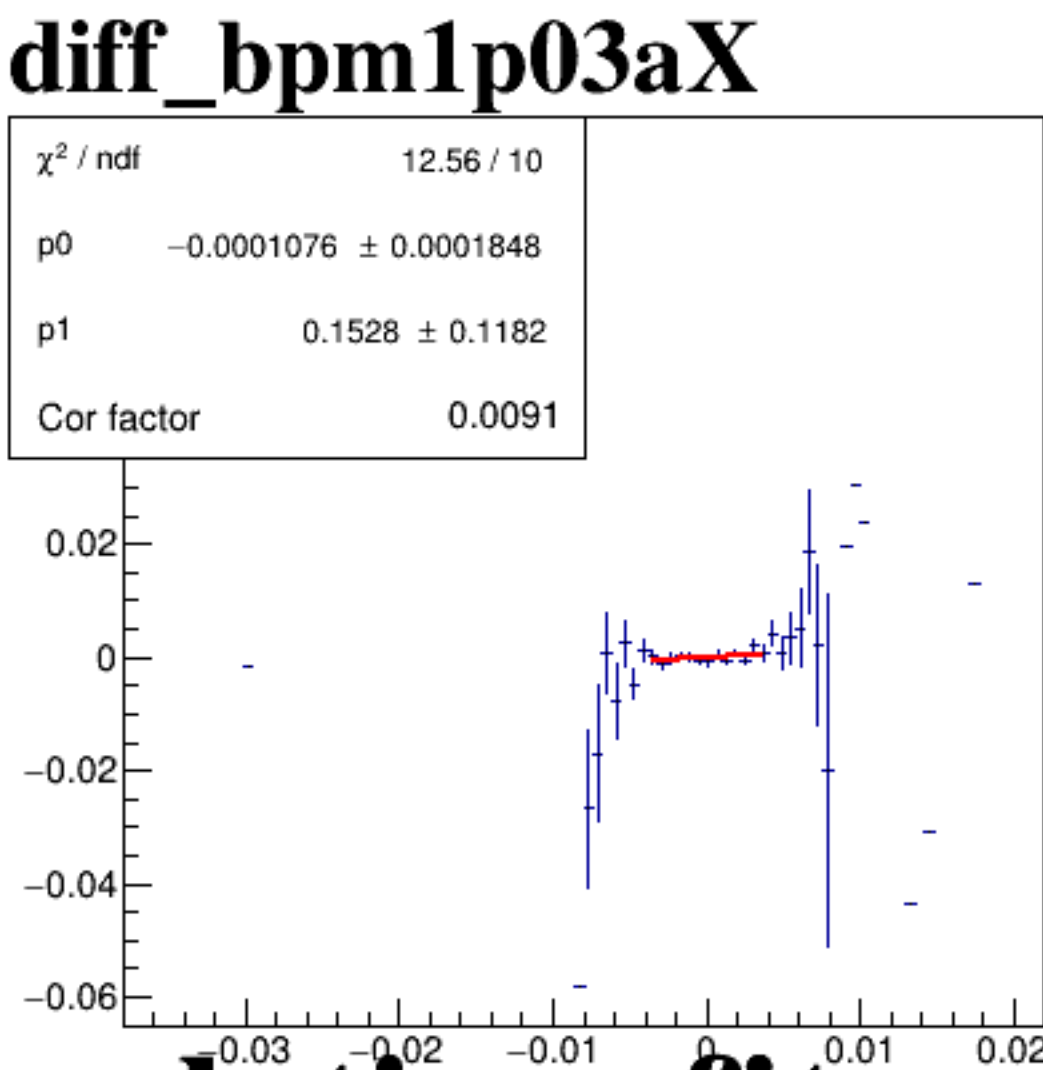
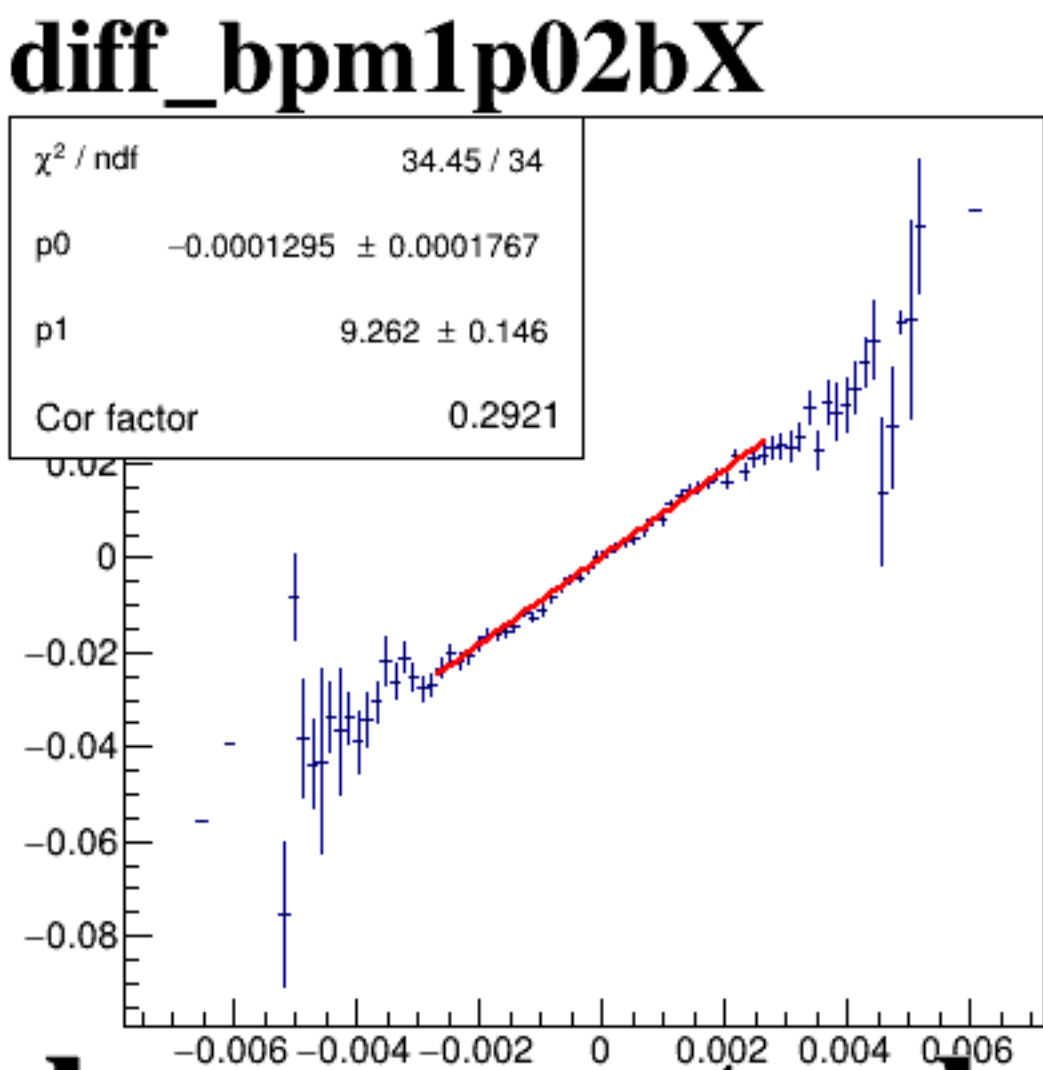
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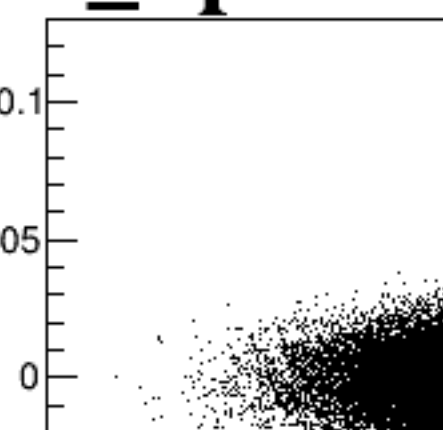
diff_bpm4eY



diff_bpm12X

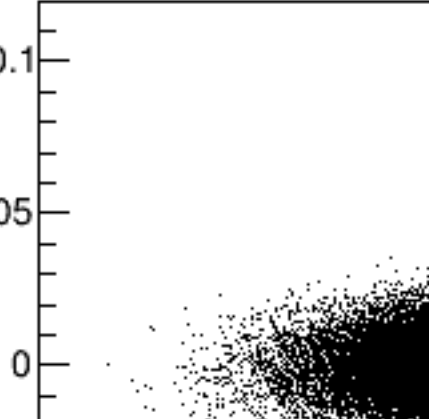


A scatter plot showing the relationship between two variables, both labeled 'diff_bpm1X'. The x-axis and y-axis both range from -0.2 to 0.1, with major tick marks every 0.05 units. The data points are tightly clustered along a diagonal line from the bottom-left to the top-right, indicating a very strong positive linear correlation. The plot is enclosed in a black rectangular frame.



A scatter plot showing the relationship between diff_bpm1Y (x-axis) and diff_bpm1Y (y-axis). The x-axis ranges from -0.03 to 0.03, and the y-axis ranges from -0.2 to 0.1. The data points are densely clustered around the origin (0,0), forming an elliptical shape elongated along the x-axis. The plot is titled diff_bpm1Y .

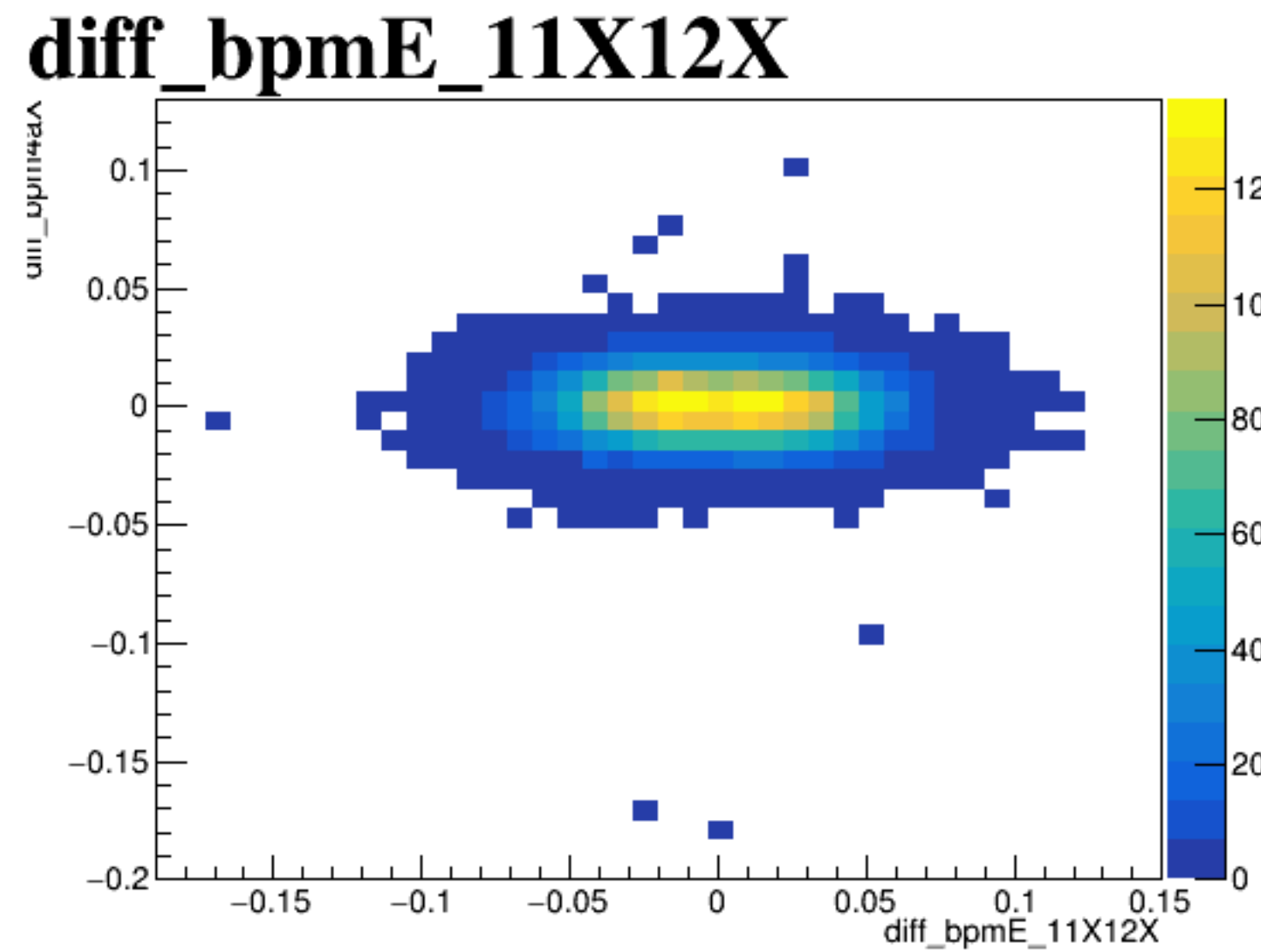
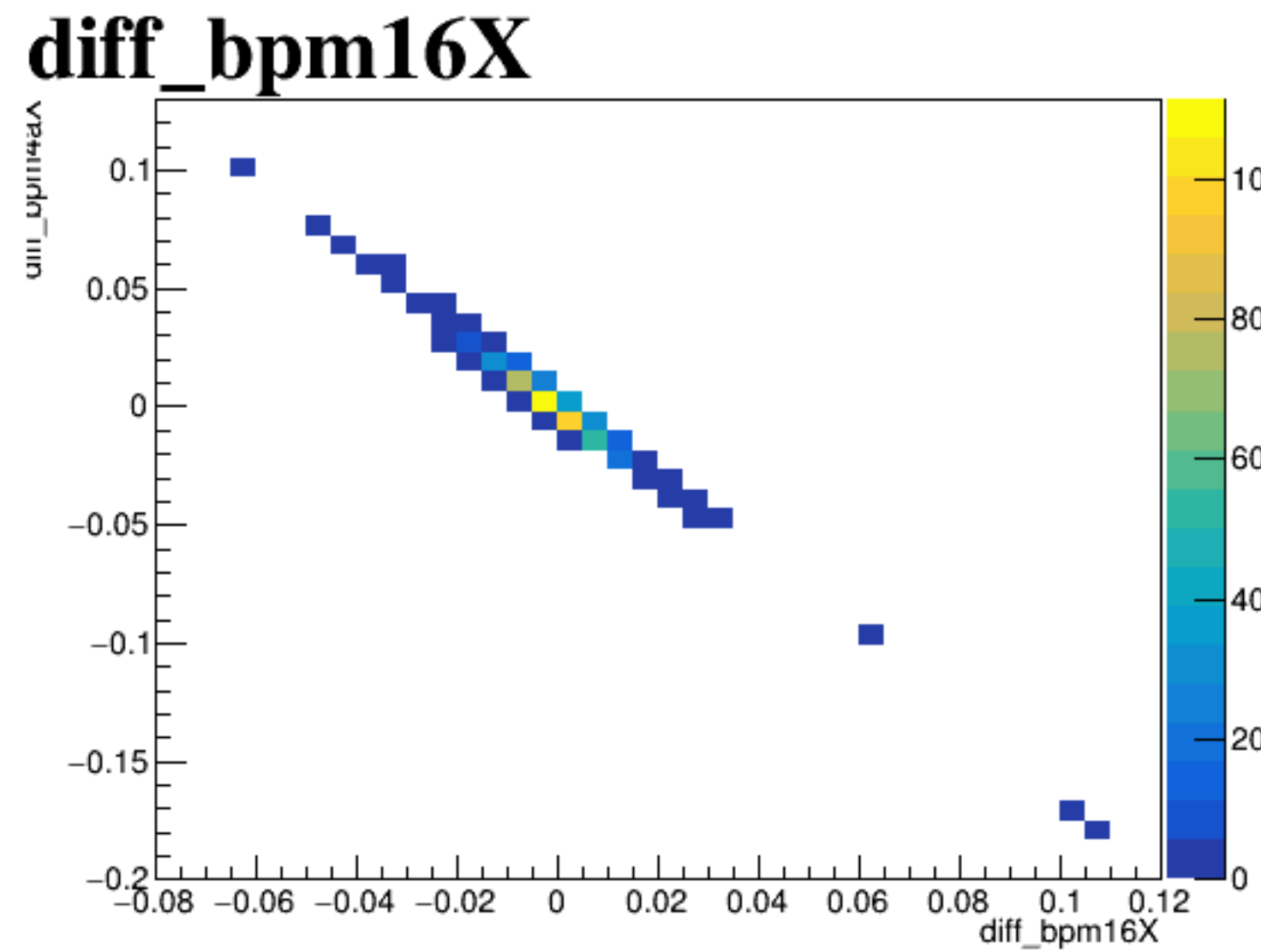
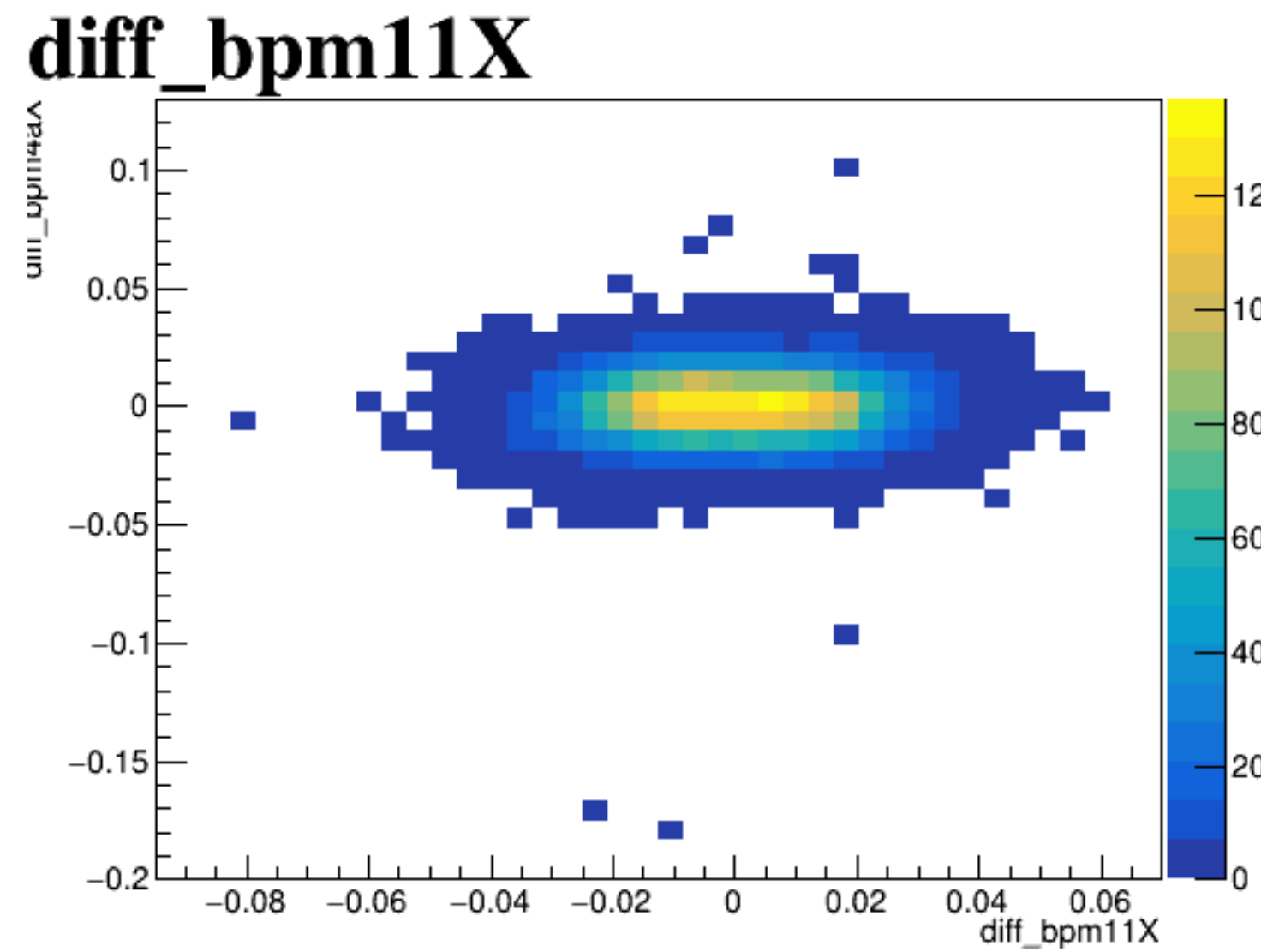
A scatter plot titled "diff_bpm1p02bX". The x-axis is labeled "diff_bpm1p02bX" and ranges from -0.006 to 0.006 with major ticks every 0.002. The y-axis ranges from -0.15 to 0.1 with major ticks every 0.05. The plot shows a dense, roughly elliptical cloud of points centered at (0,0), with most points falling within the range [-0.004, 0.004] on the x-axis and [-0.05, 0.05] on the y-axis.



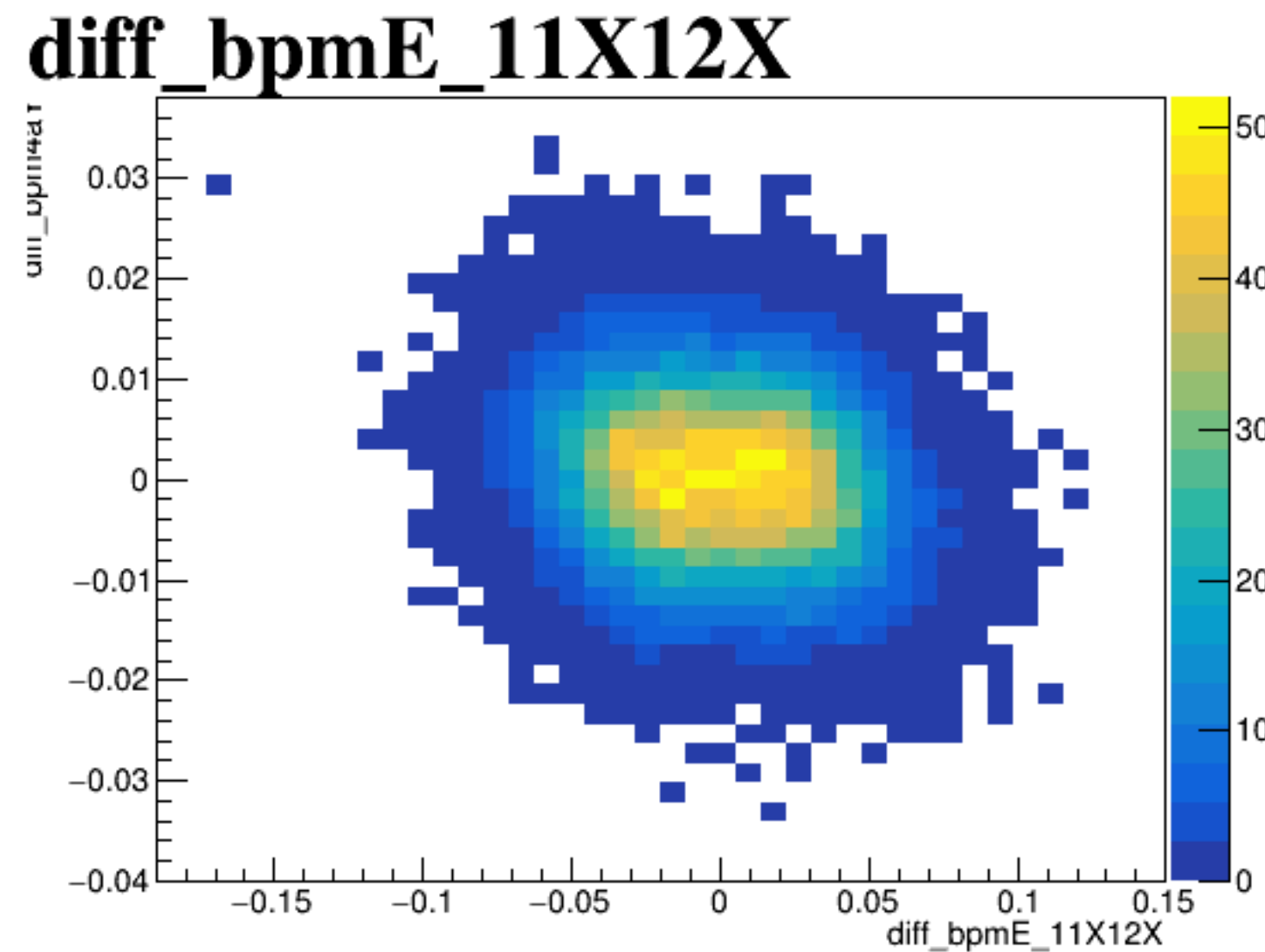
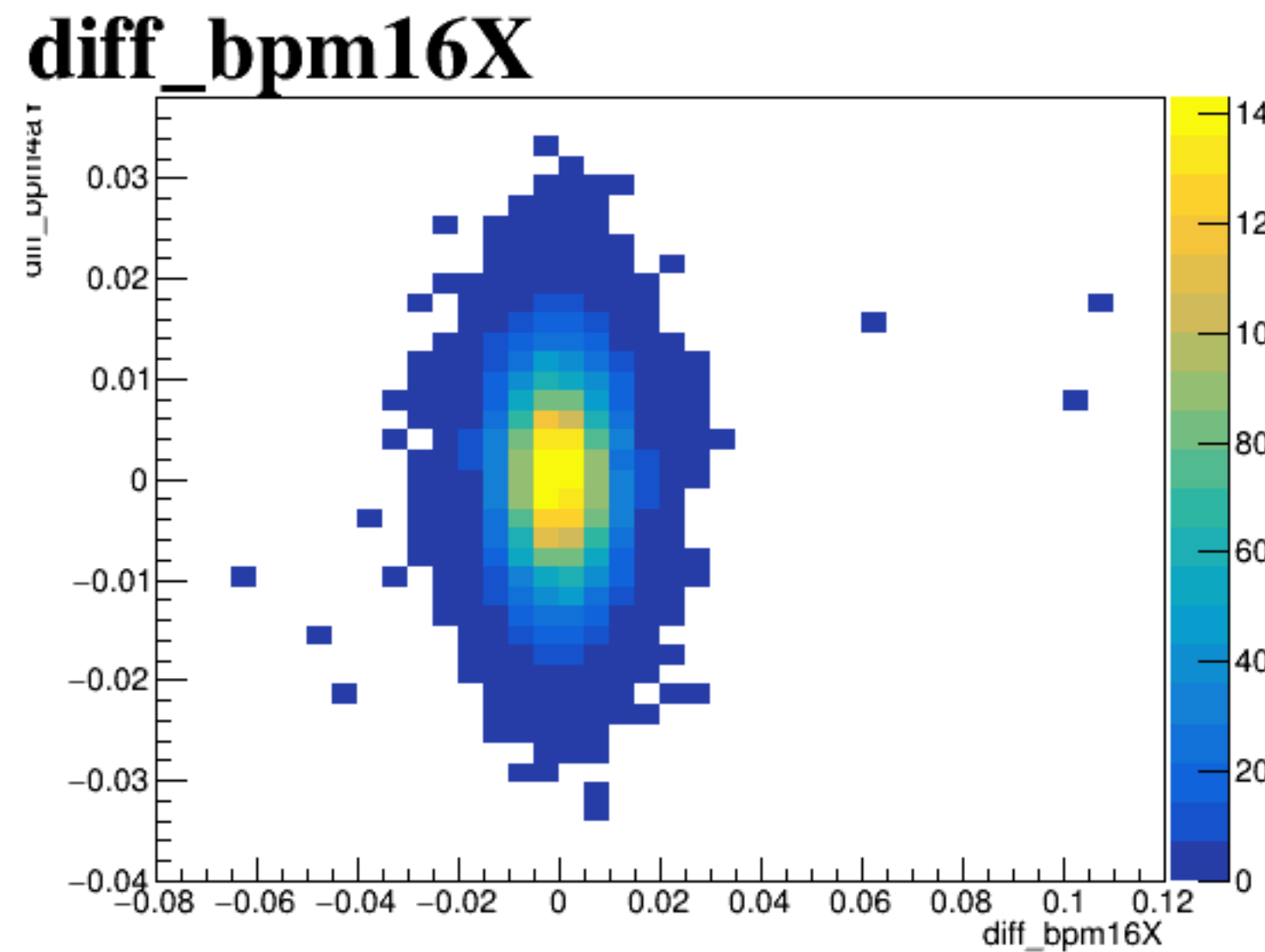
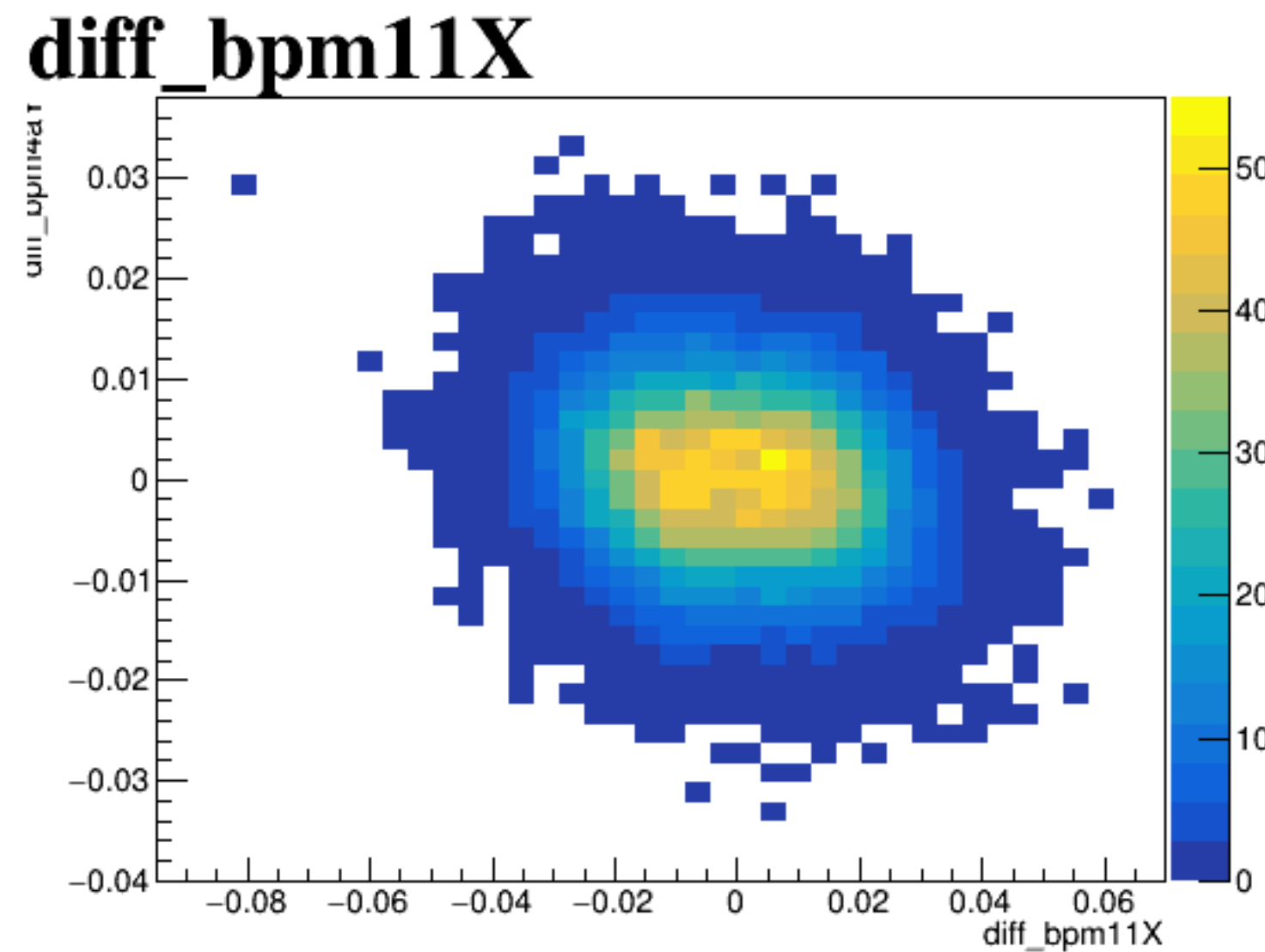
A scatter plot showing the relationship between two variables, both labeled 'diff_bpm1Y'. The x-axis ranges from -0.03 to 0.03, and the y-axis ranges from -0.15 to 0.1. The data points are tightly clustered around the origin (0,0), forming a dense, roughly elliptical cloud. The plot is titled 'diff_bpm1Y' in a large, bold, black font at the top left.

A scatter plot titled "diff_bpm1Y". The x-axis is labeled "diff_bpm1Y" and ranges from -0.03 to 0.03 with major ticks every 0.01. The y-axis ranges from -0.2 to 0.15 with major ticks every 0.05. The plot shows a very dense, roughly circular cloud of points centered at the origin (0,0). The points are most concentrated in the center and become sparser towards the edges of the distribution.

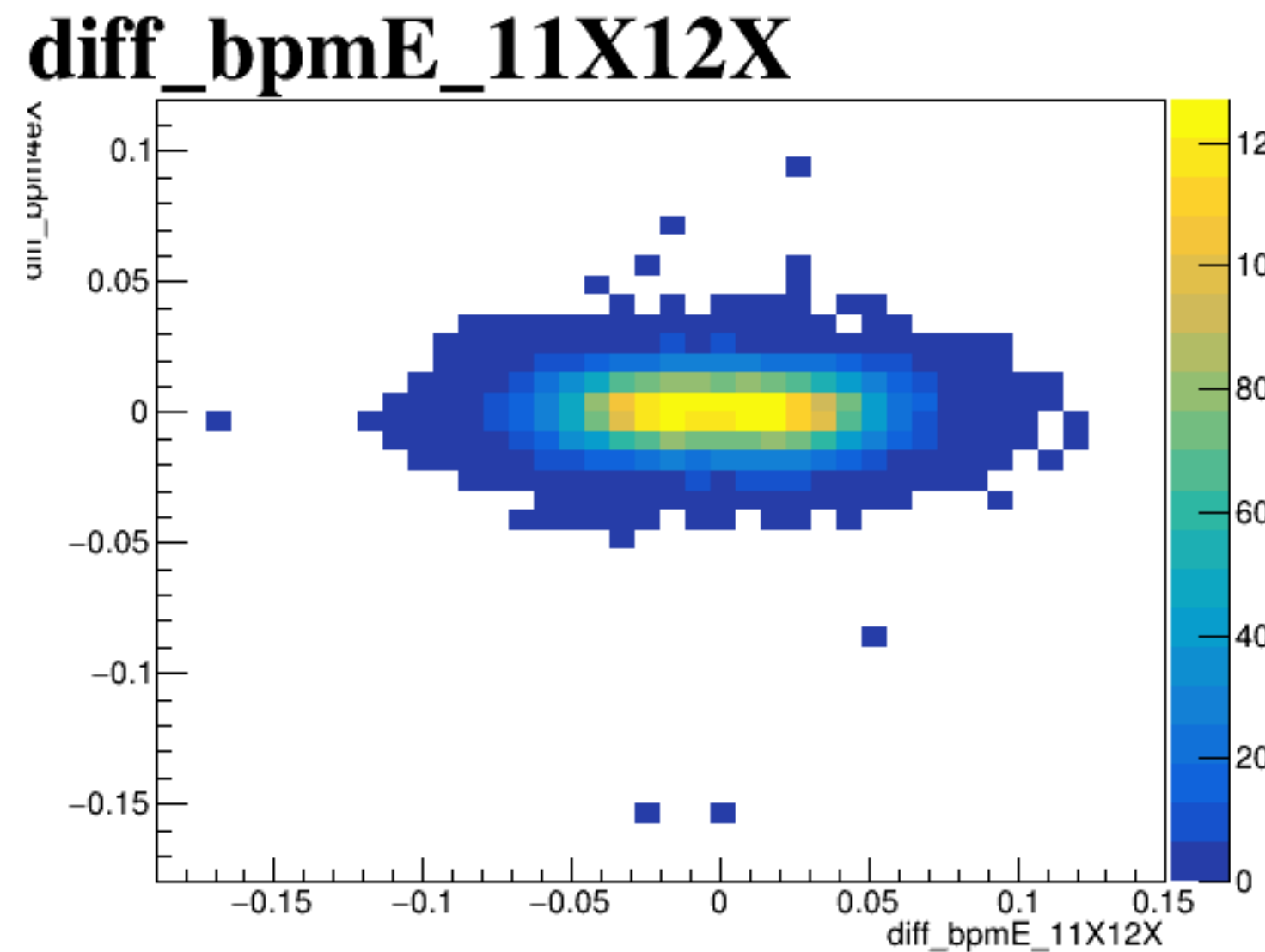
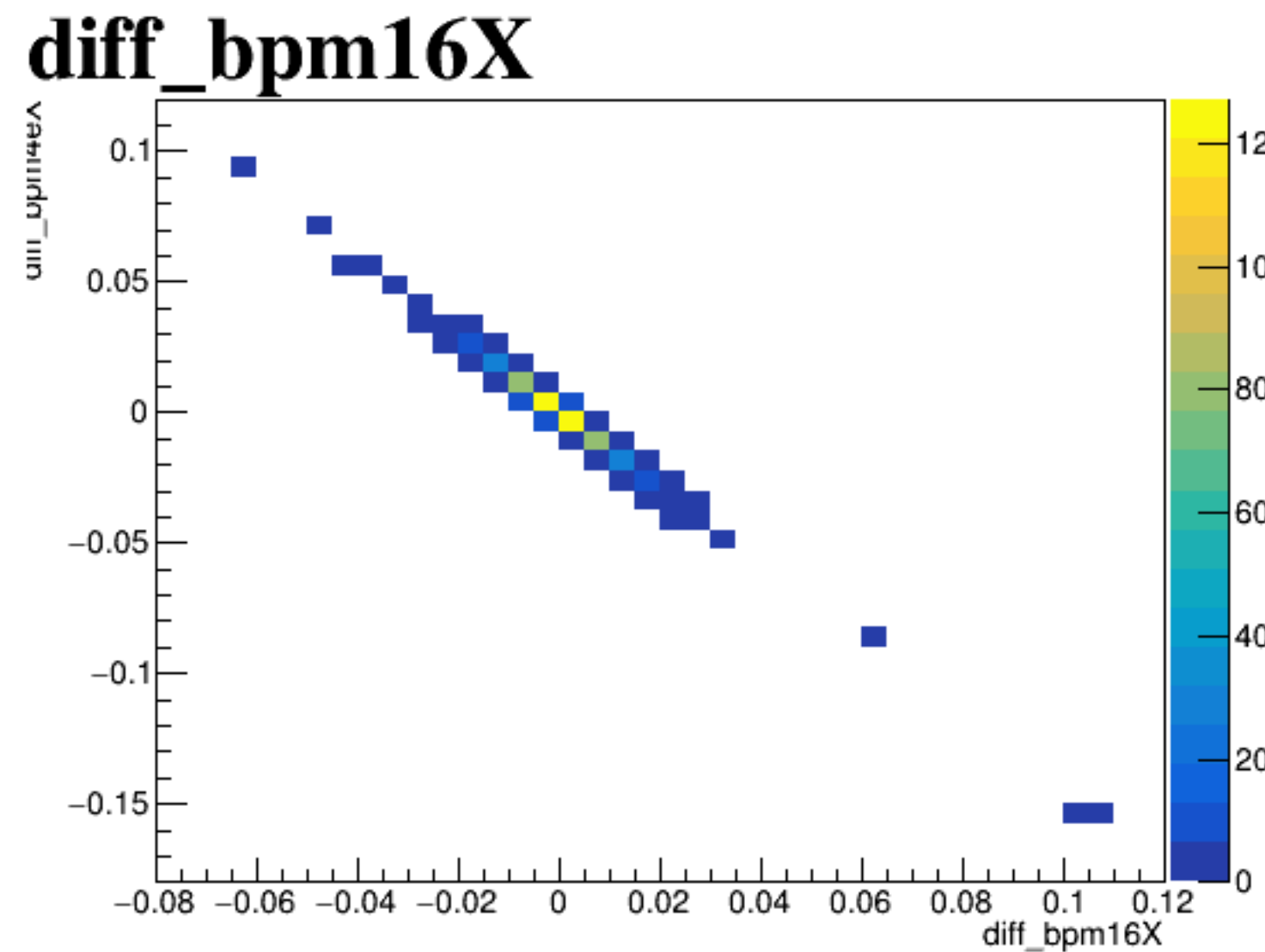
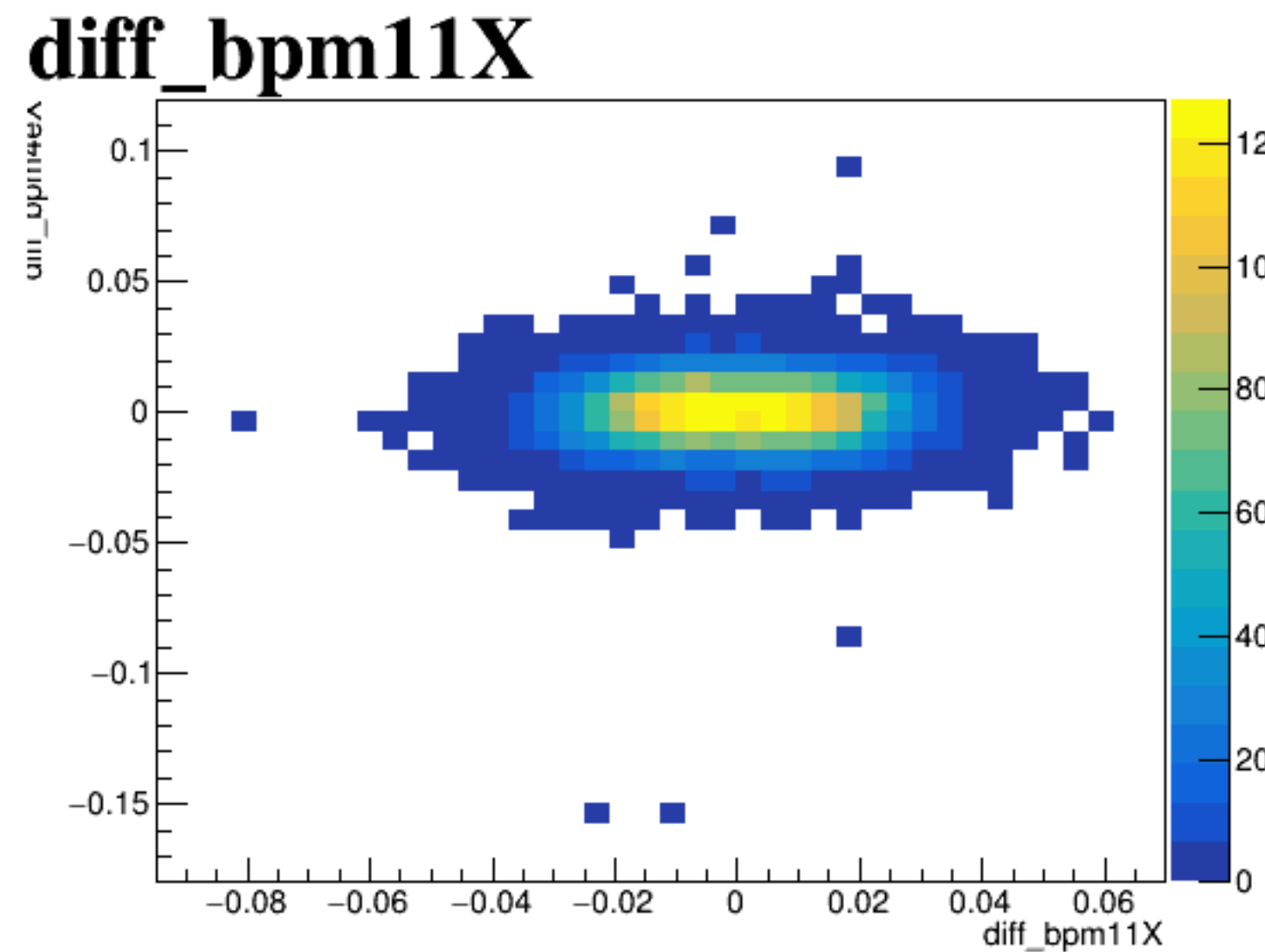
diff_bpm4aX



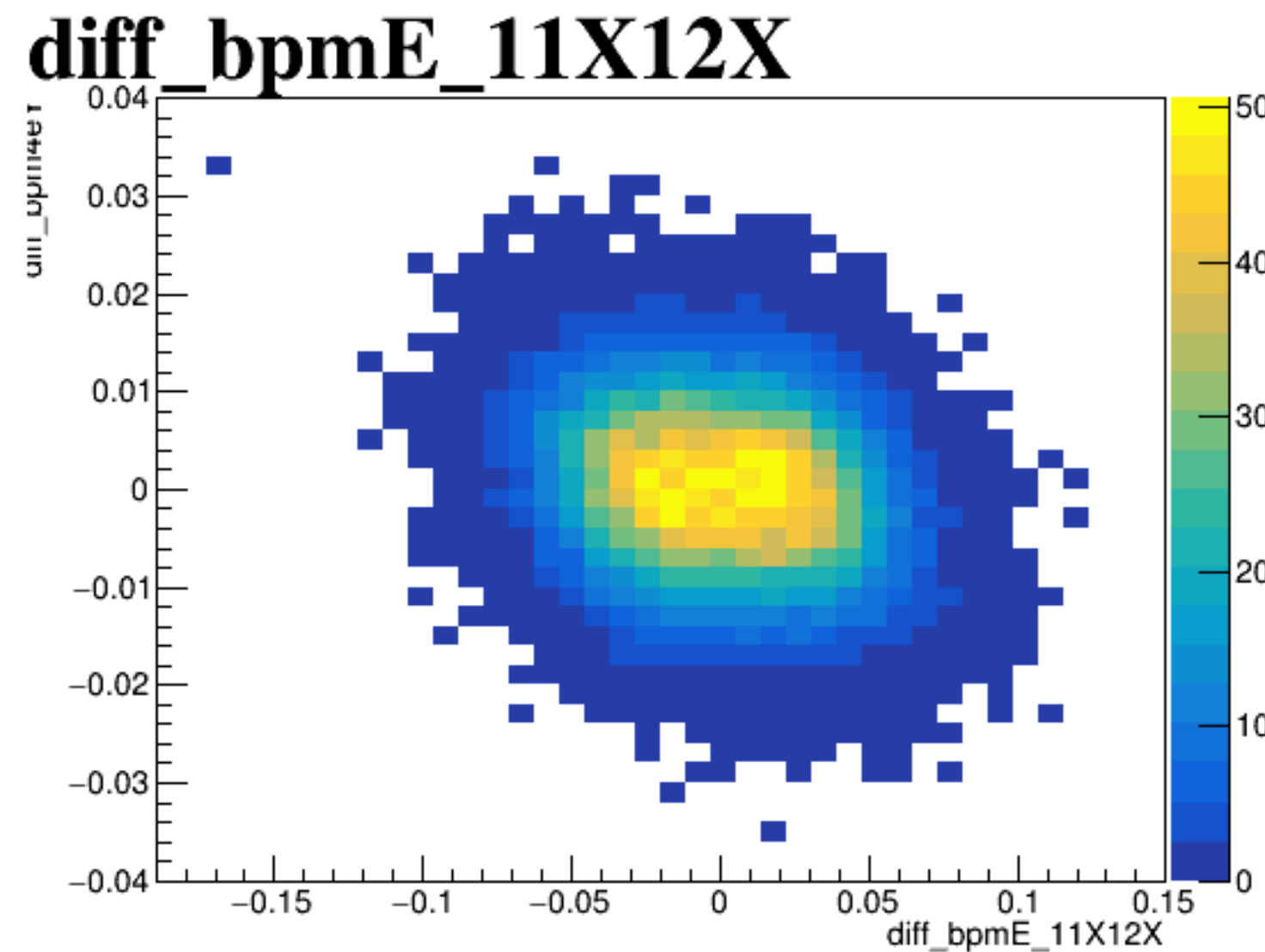
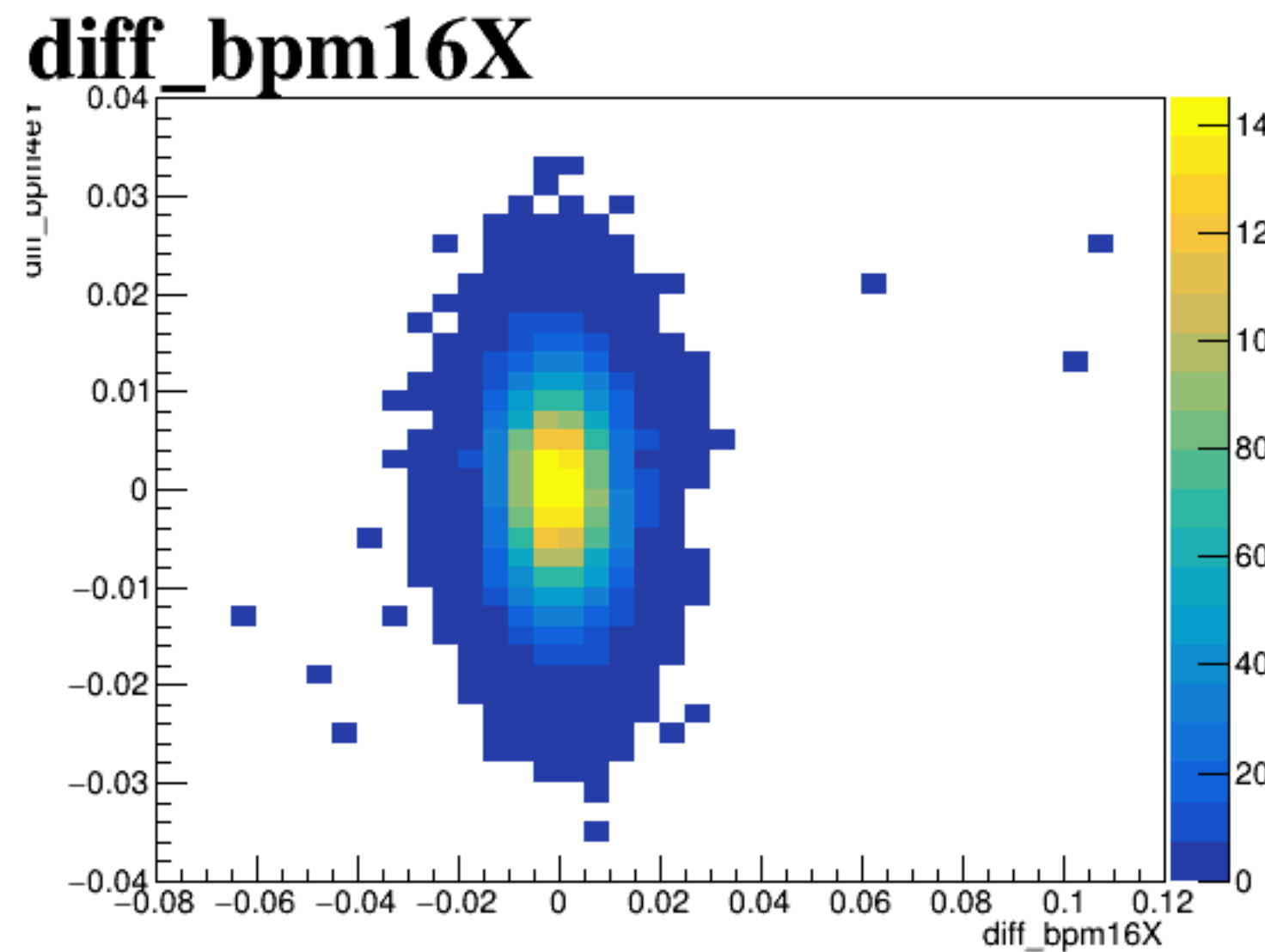
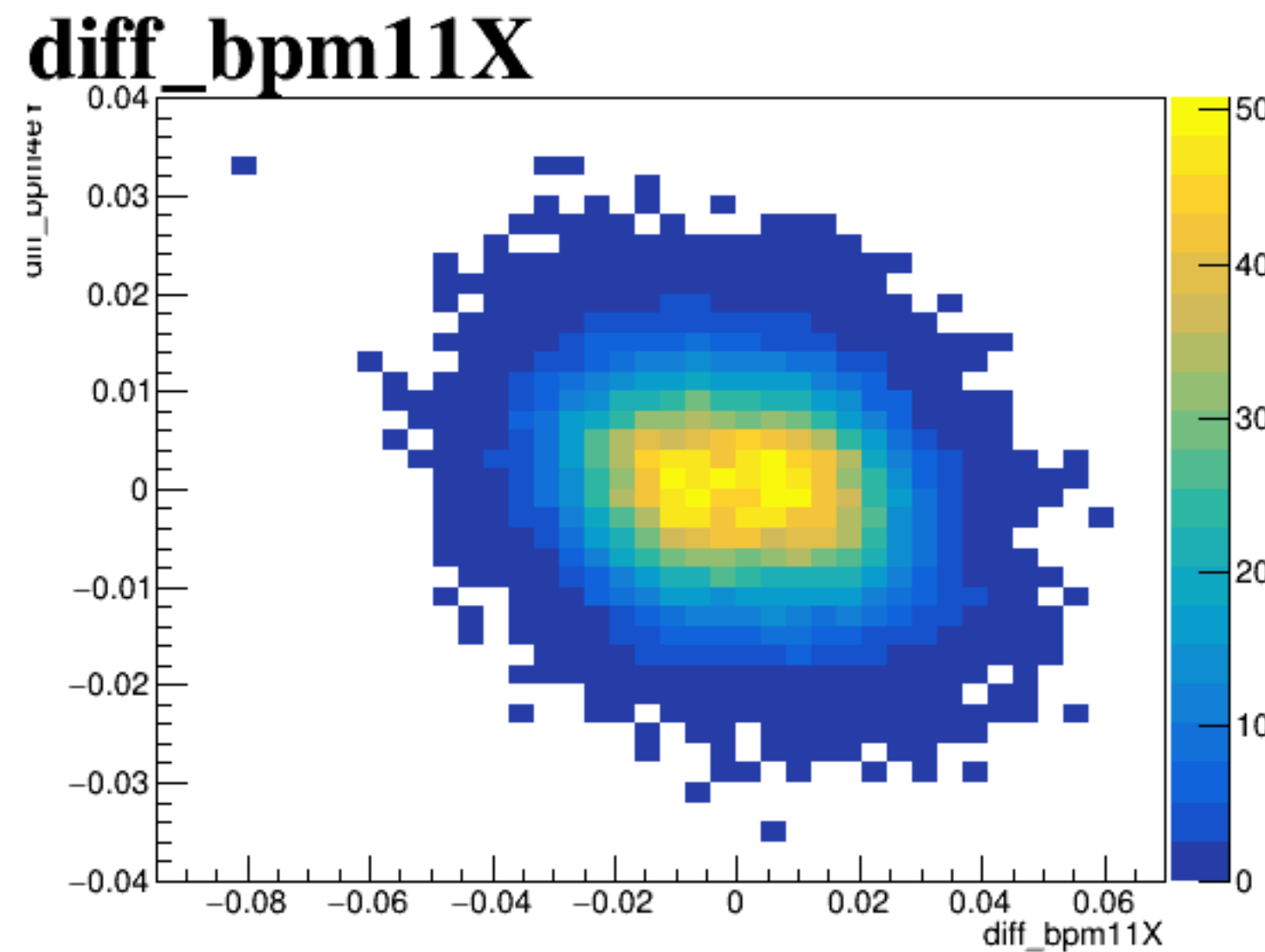
diff_bpm4aY



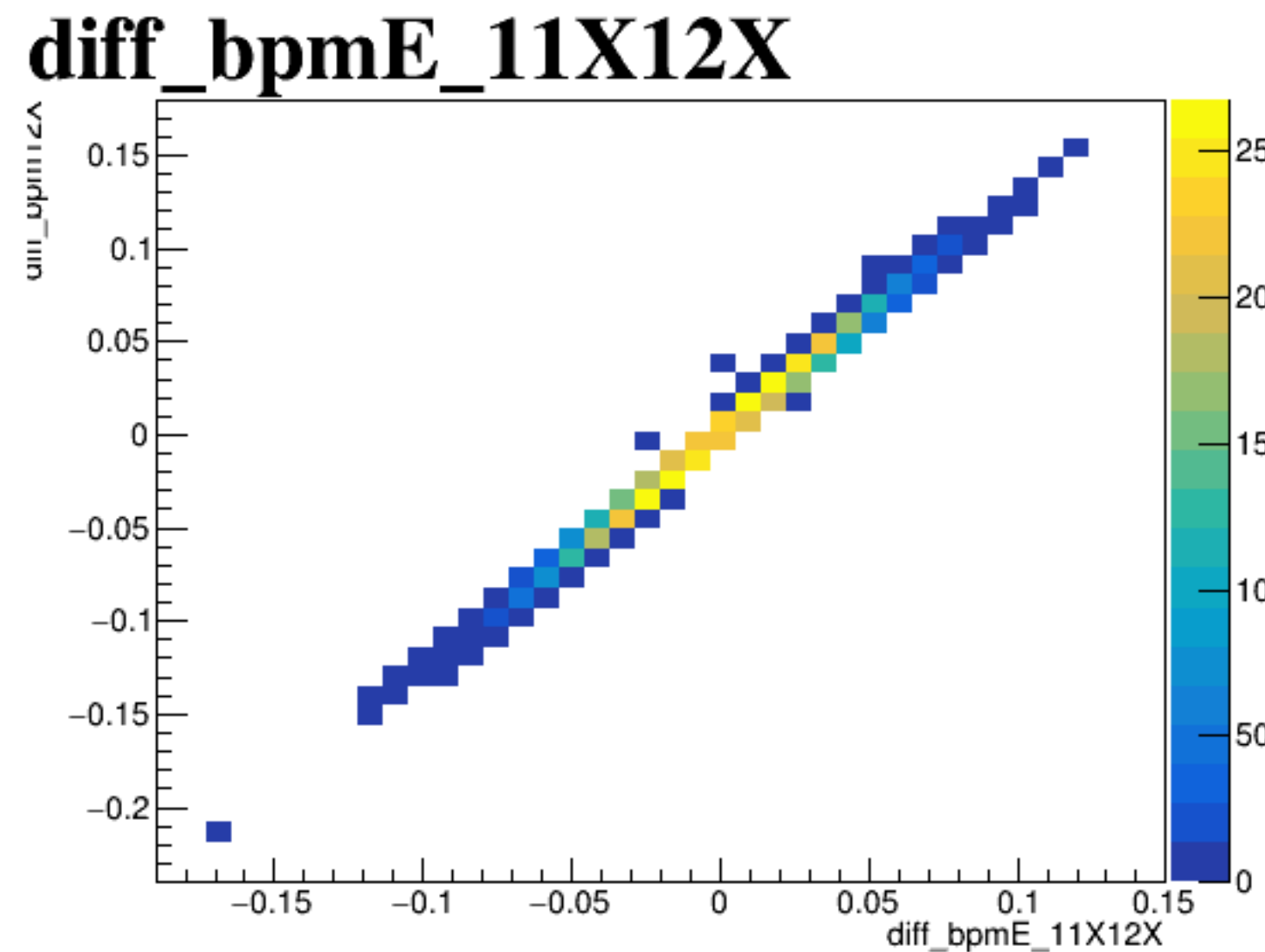
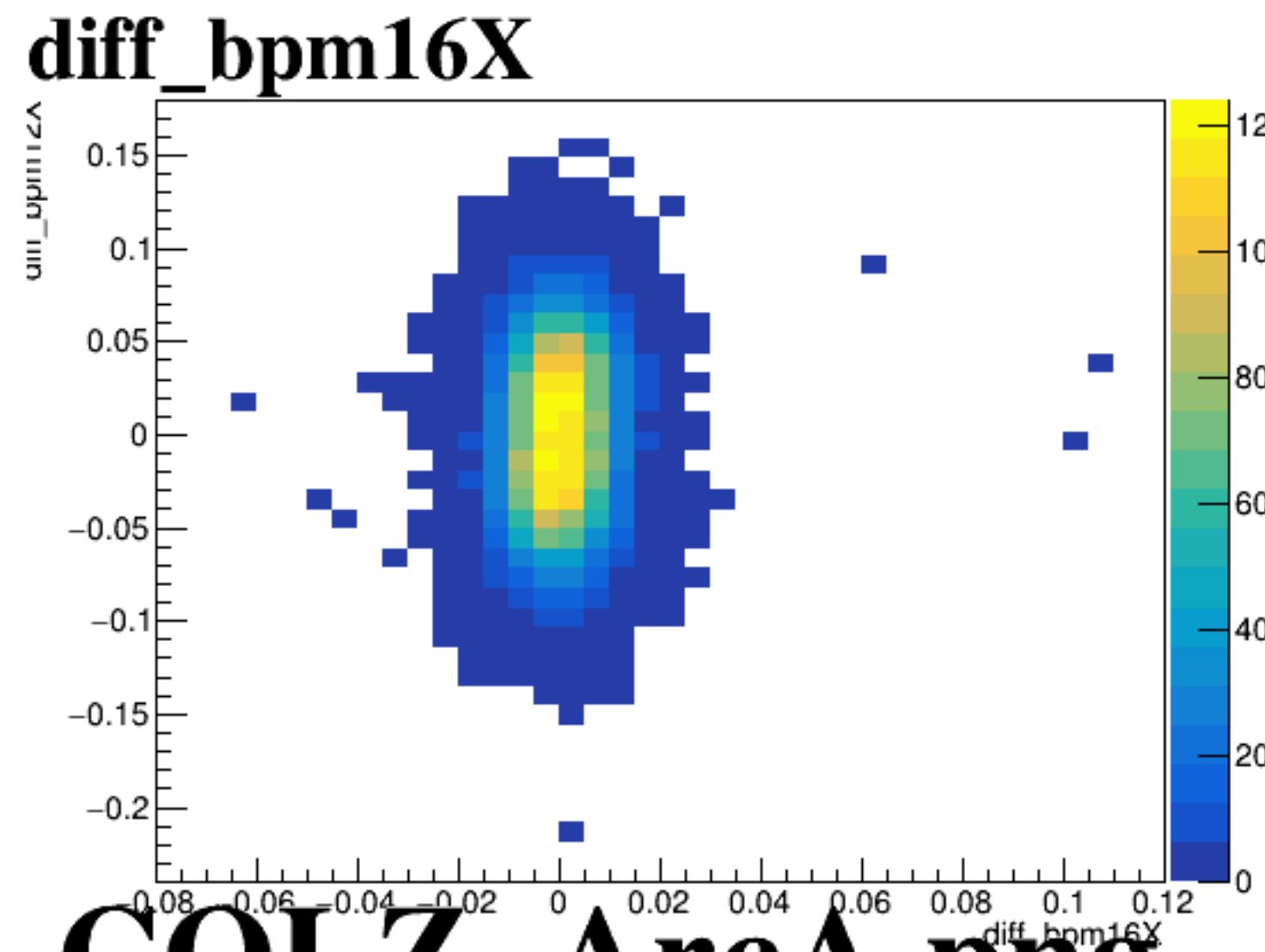
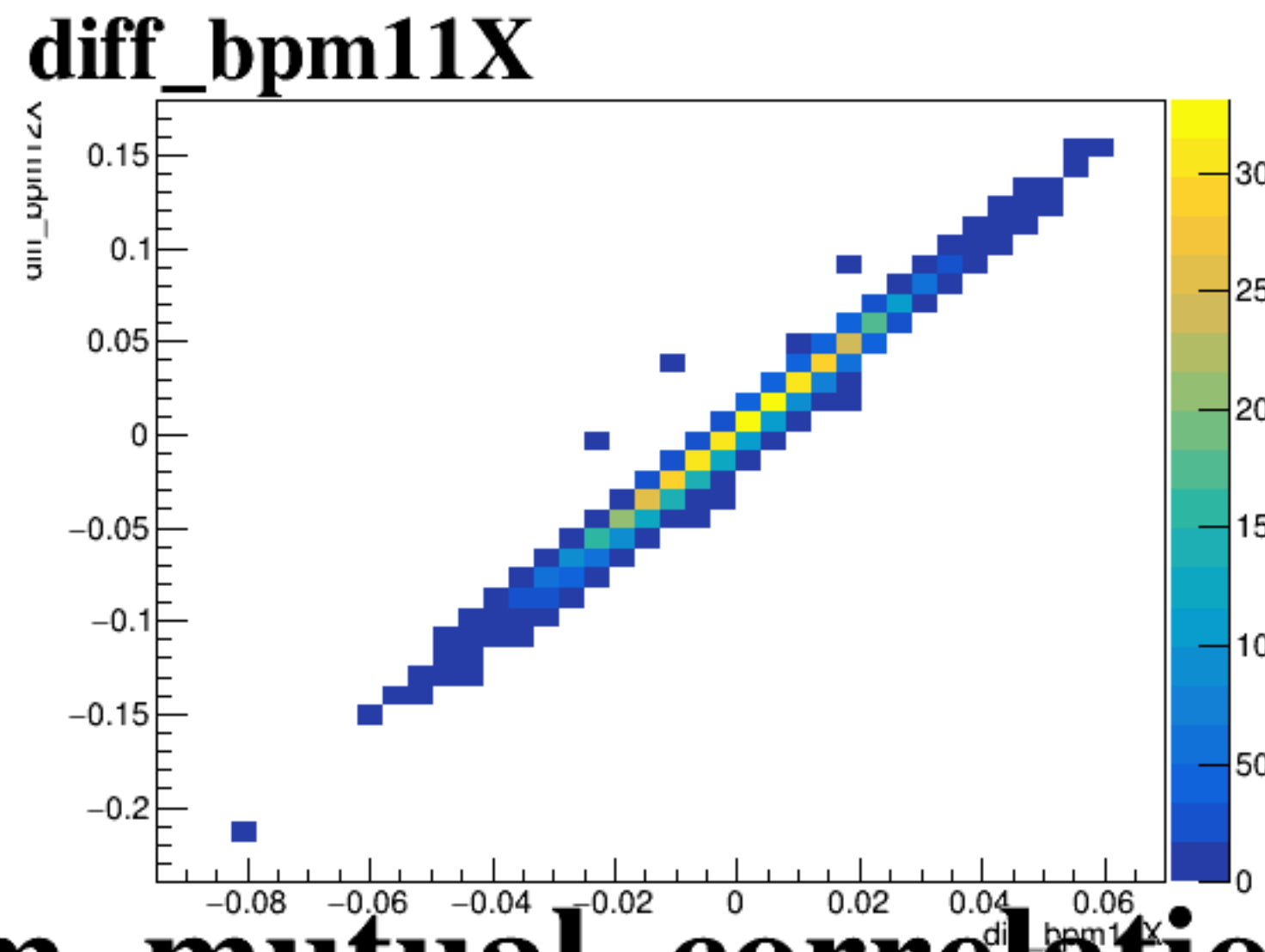
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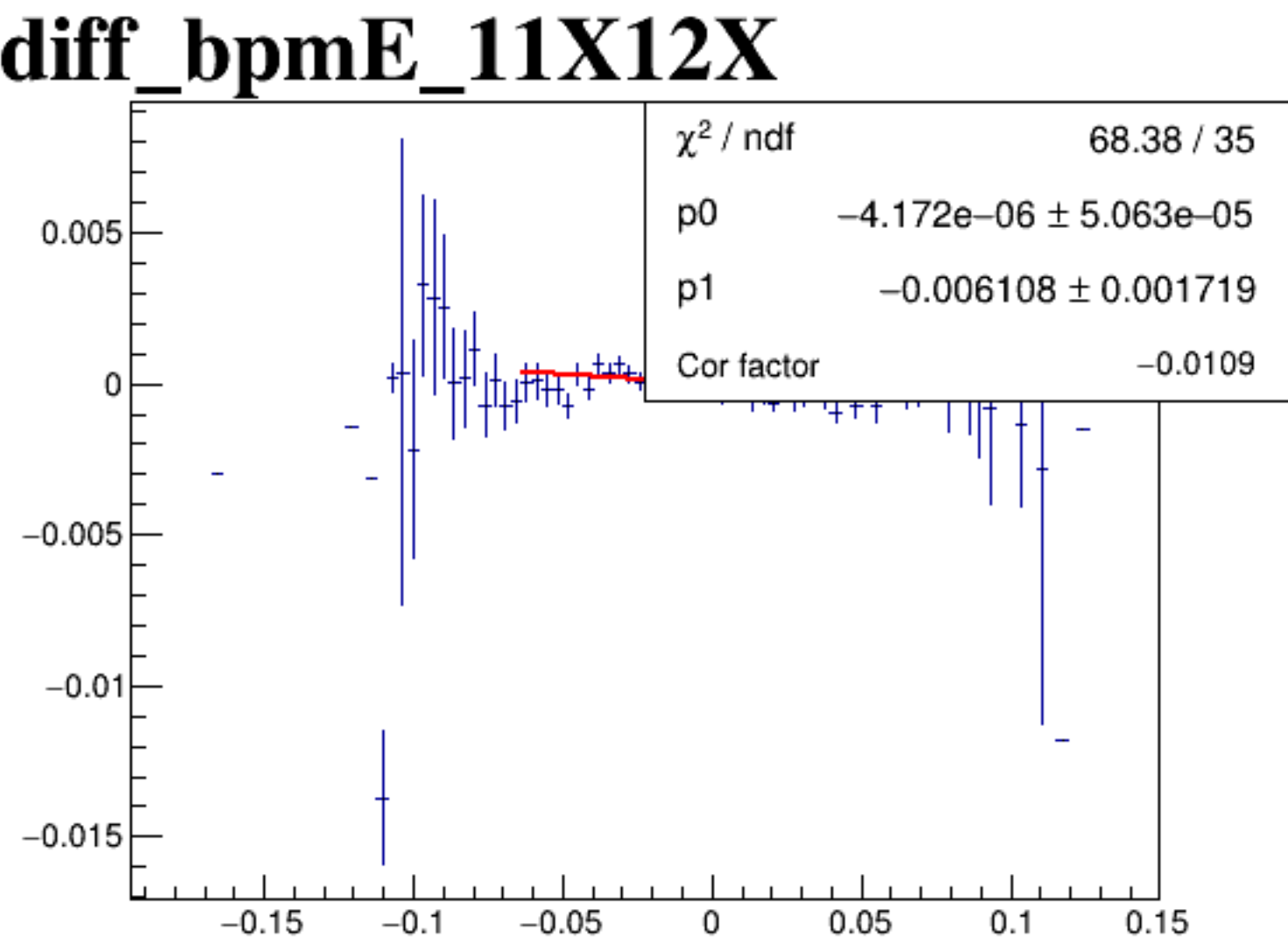
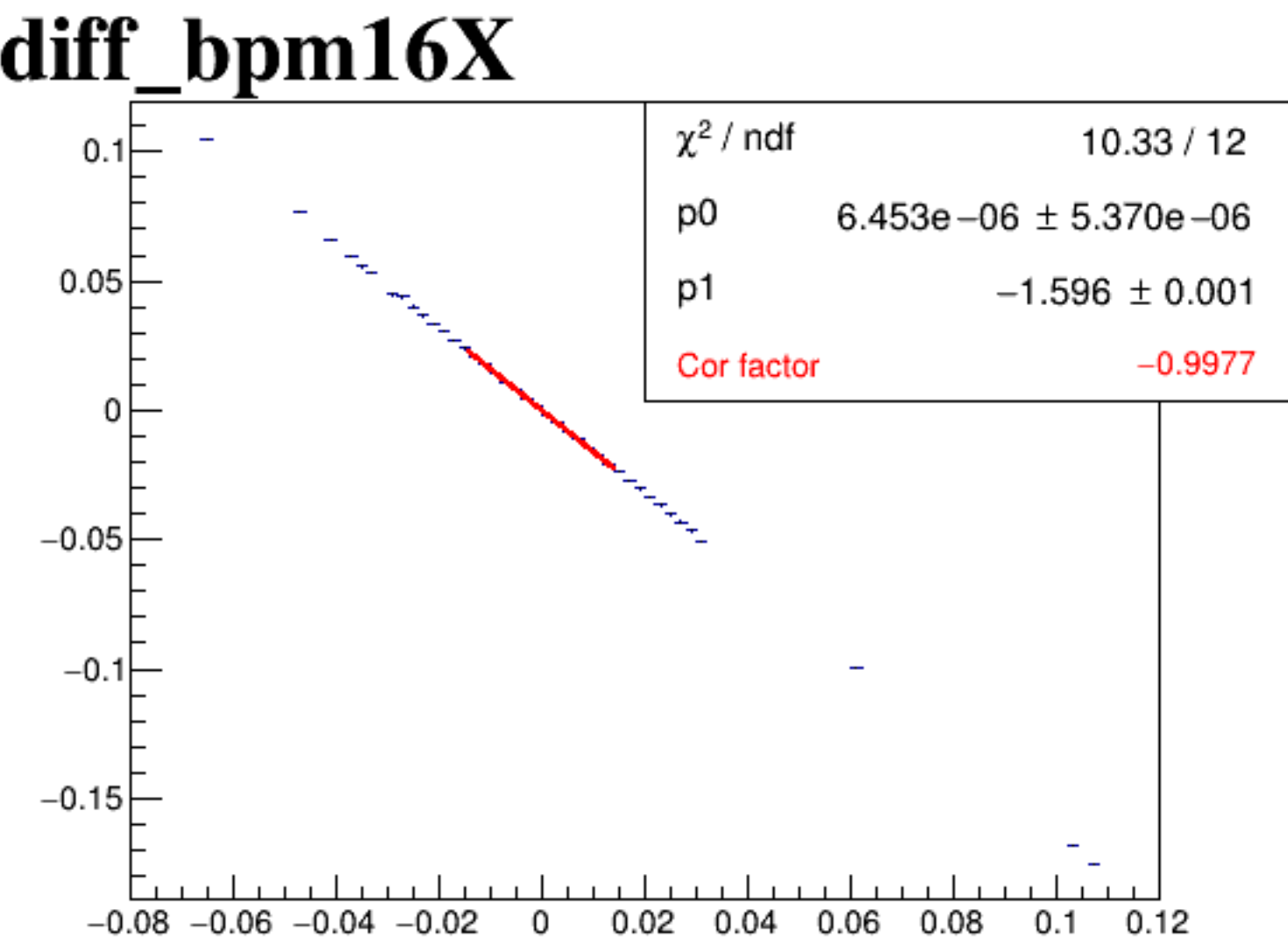
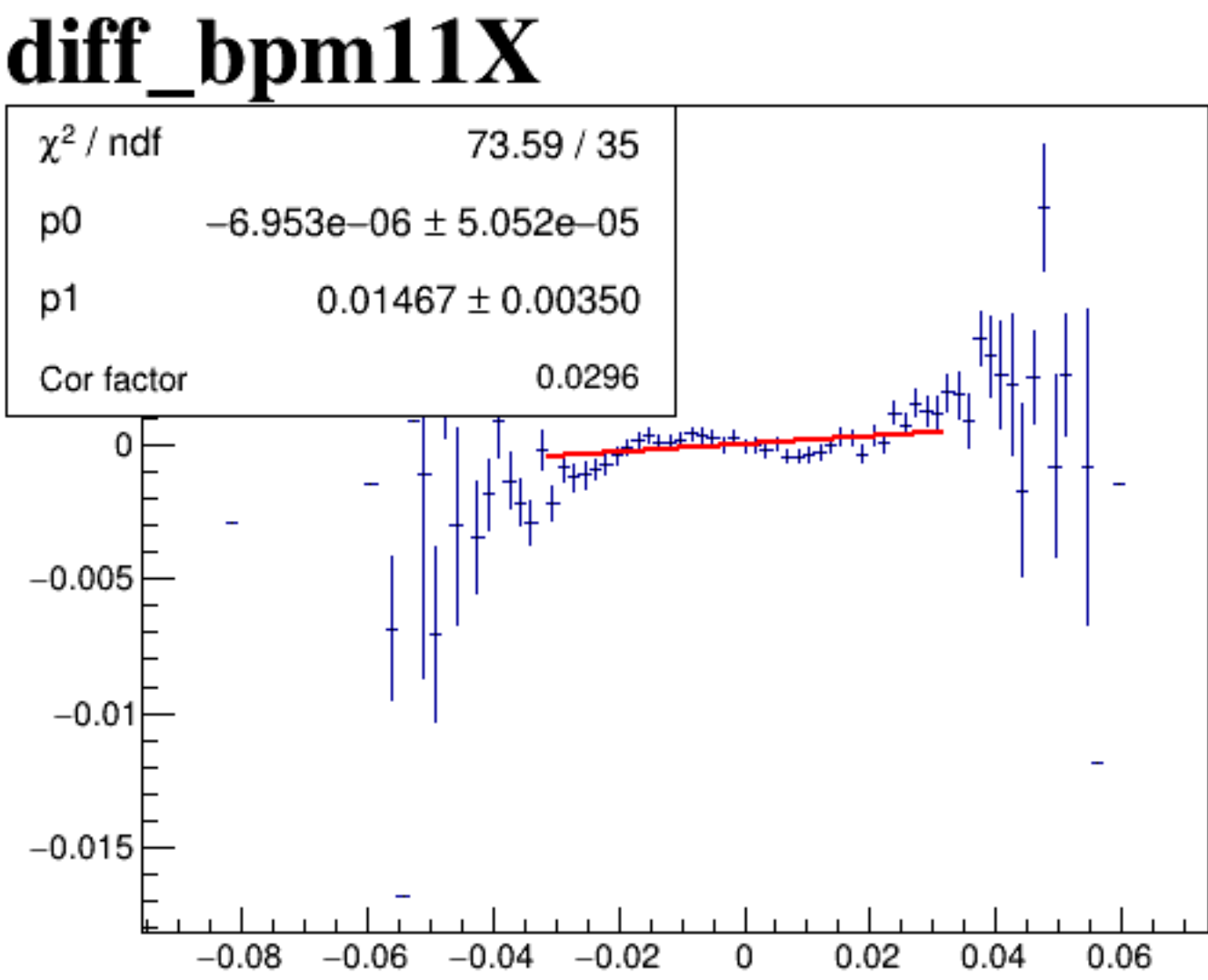
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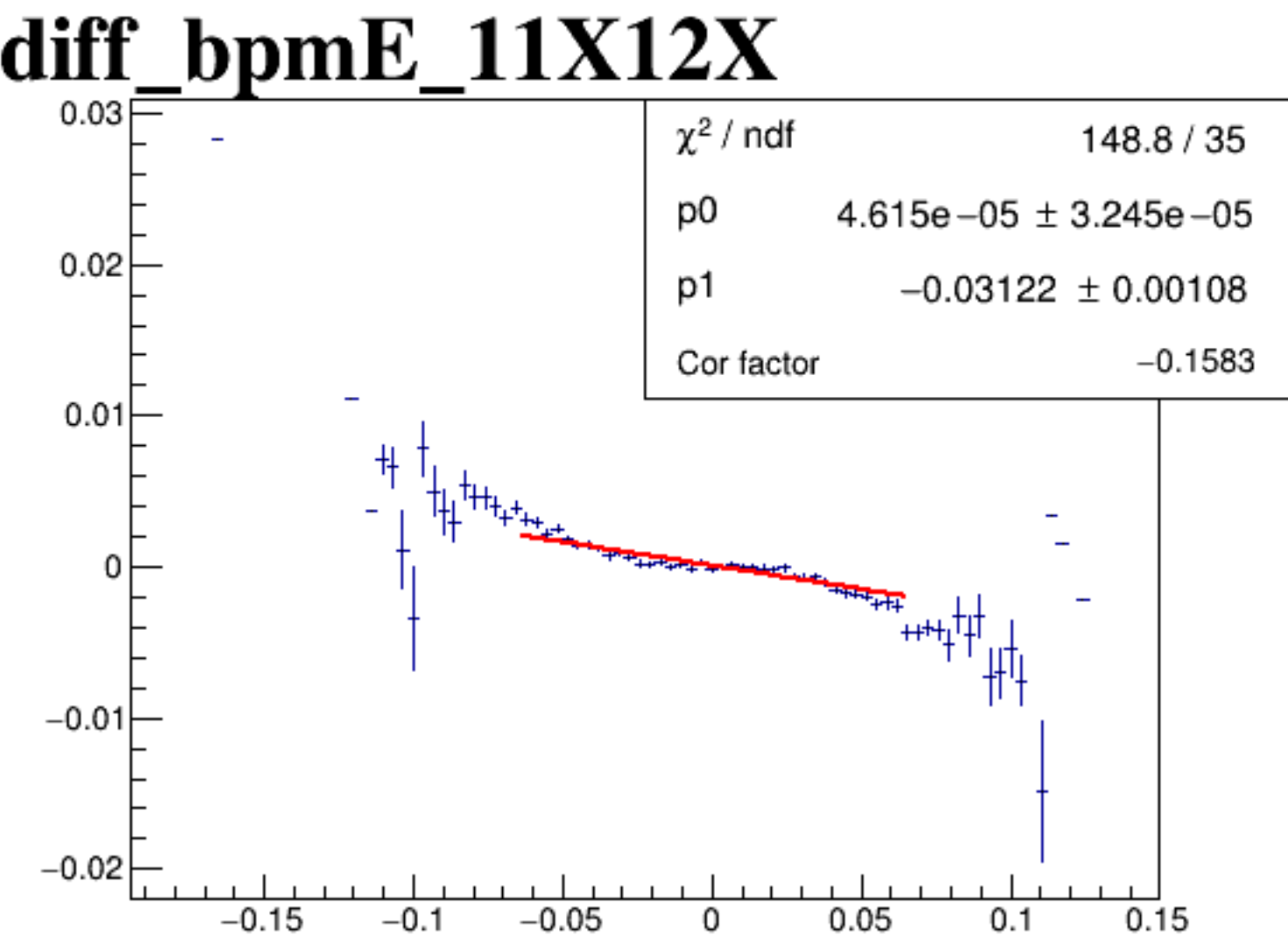
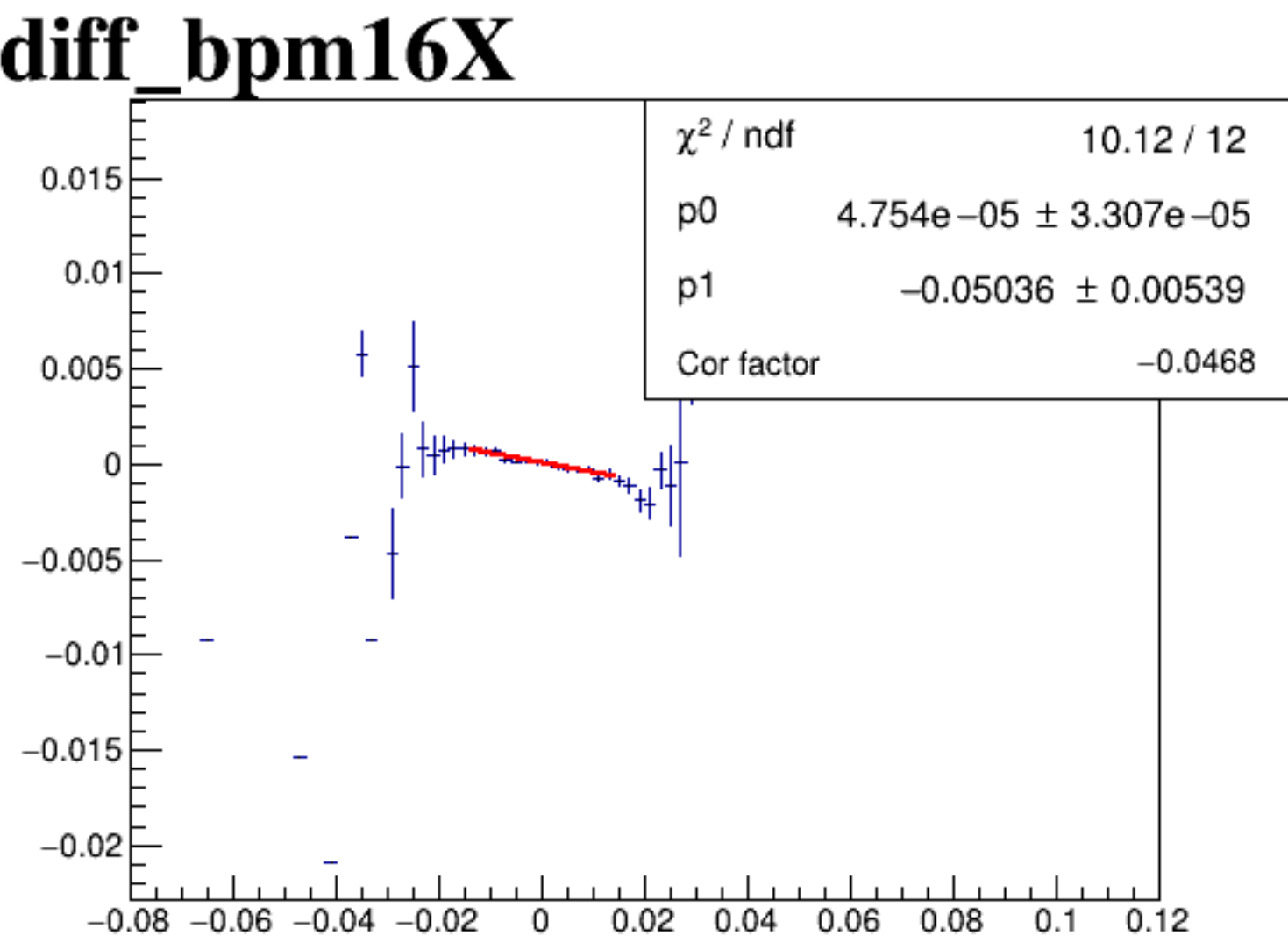
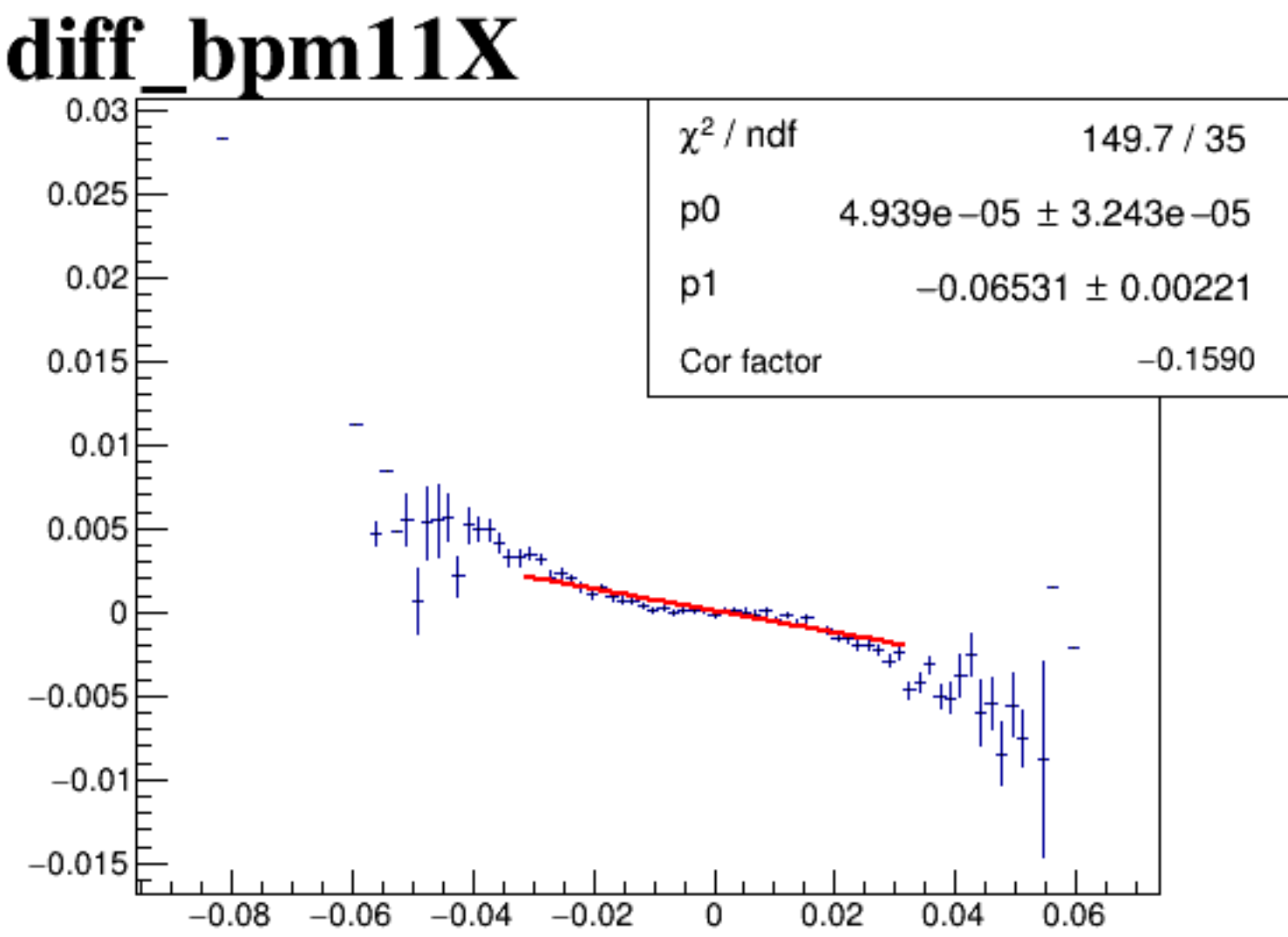
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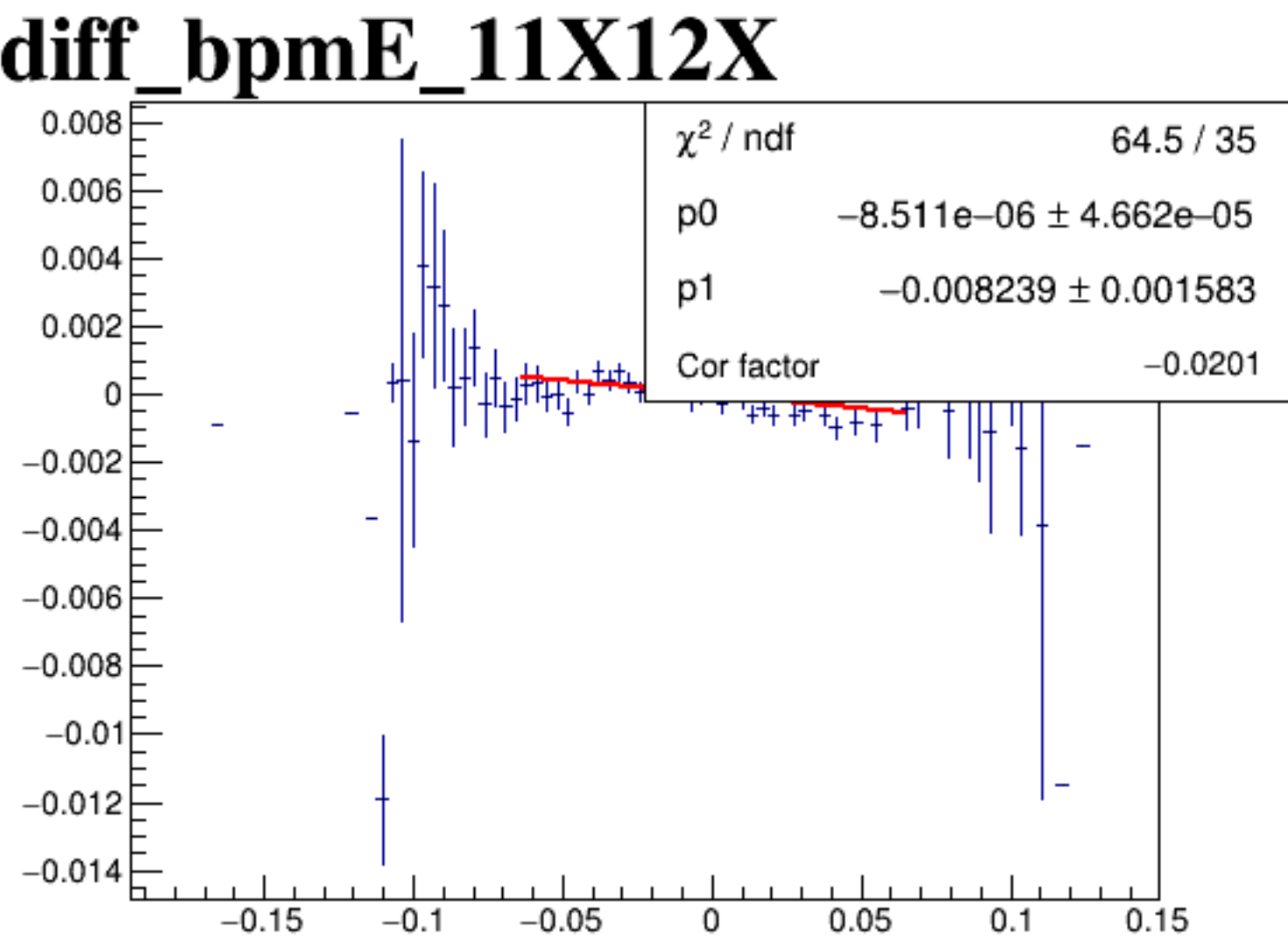
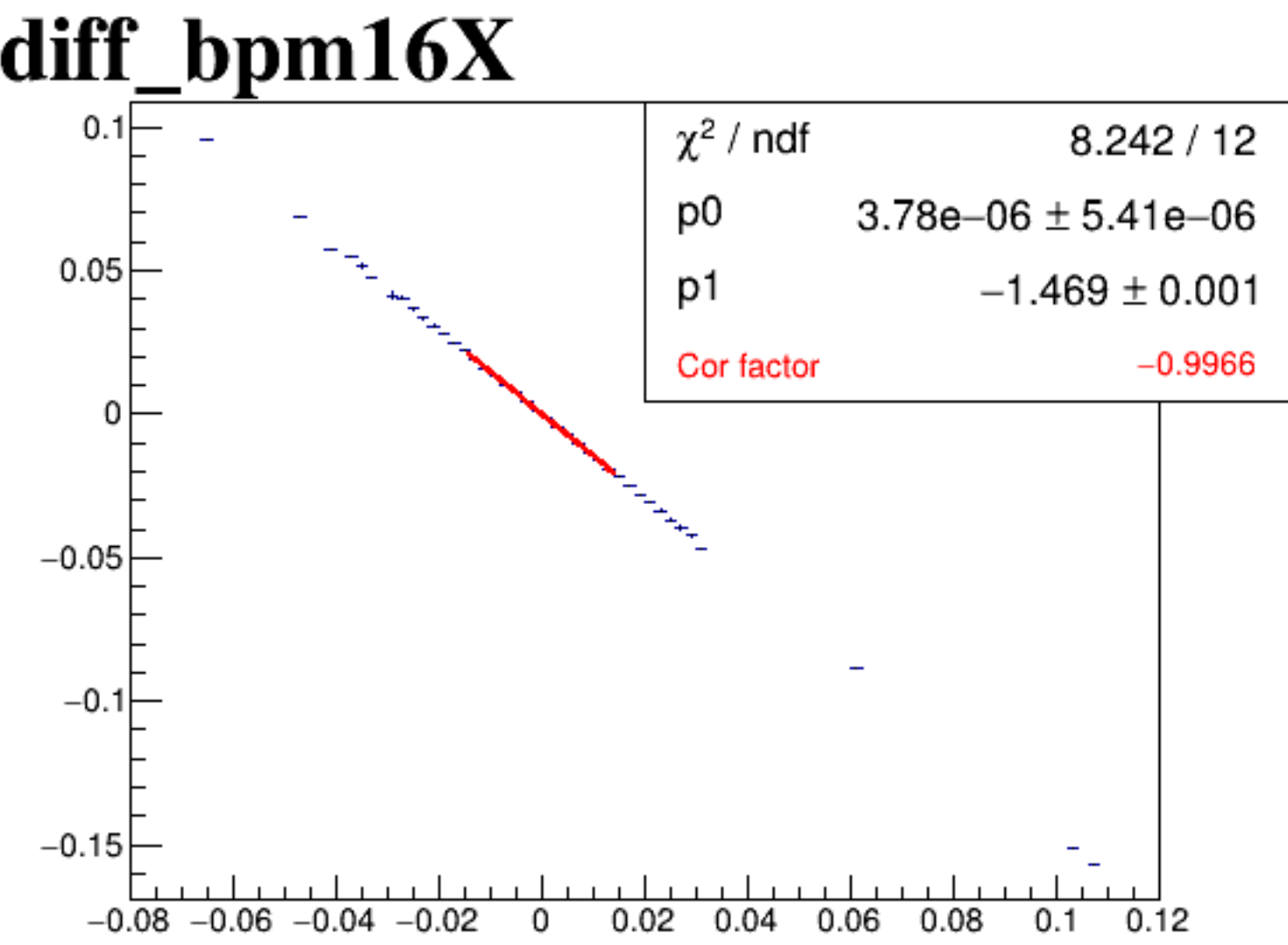
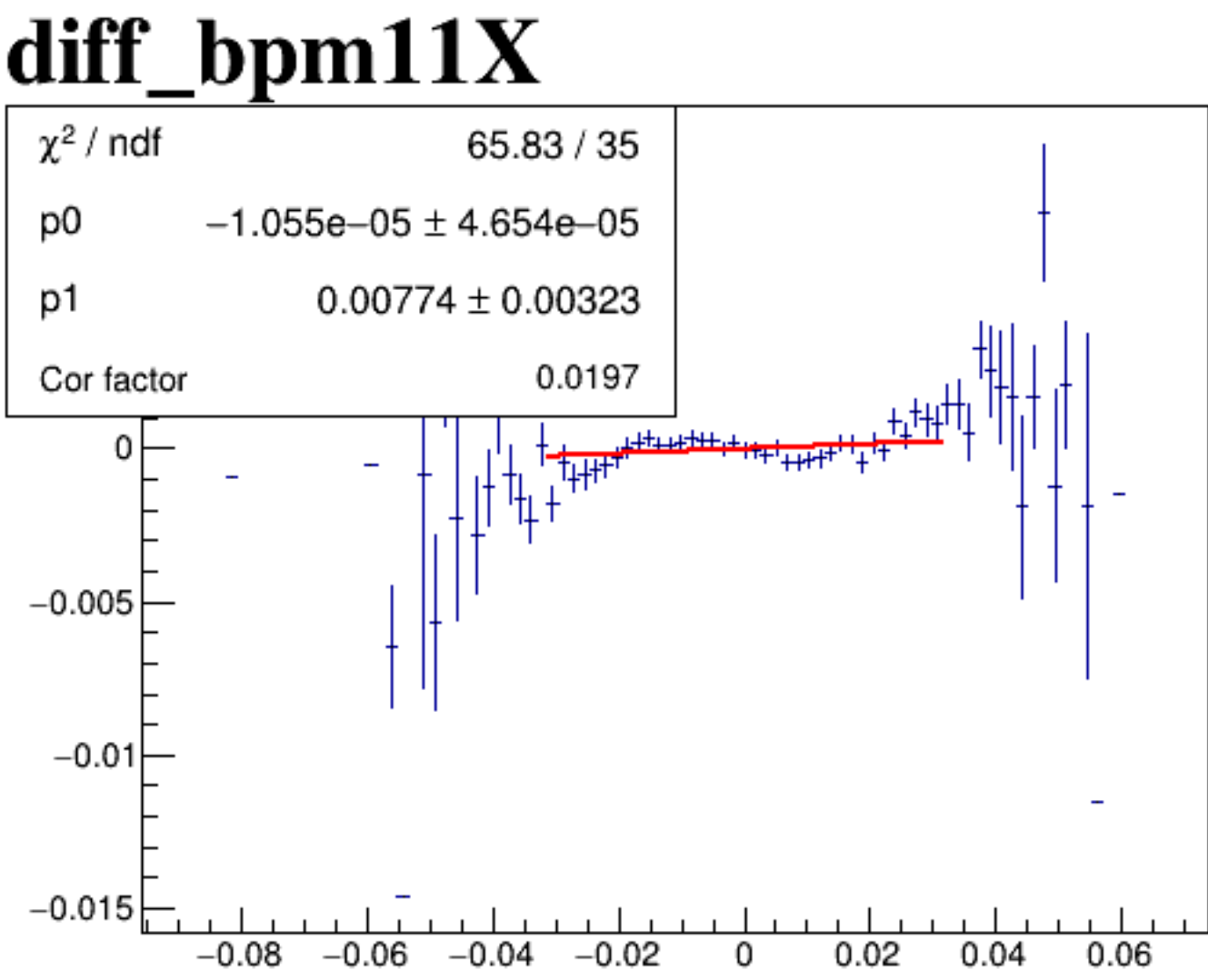
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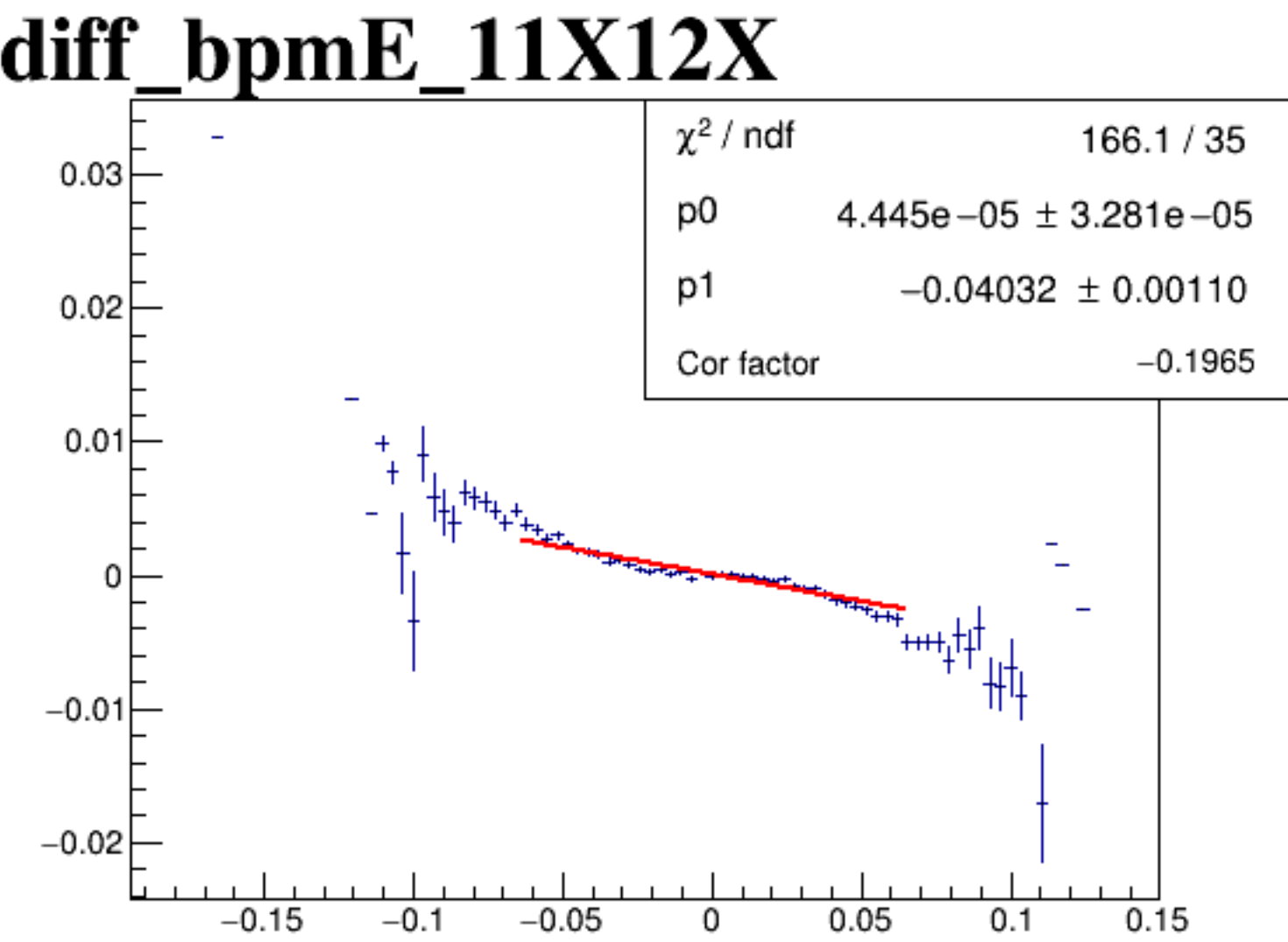
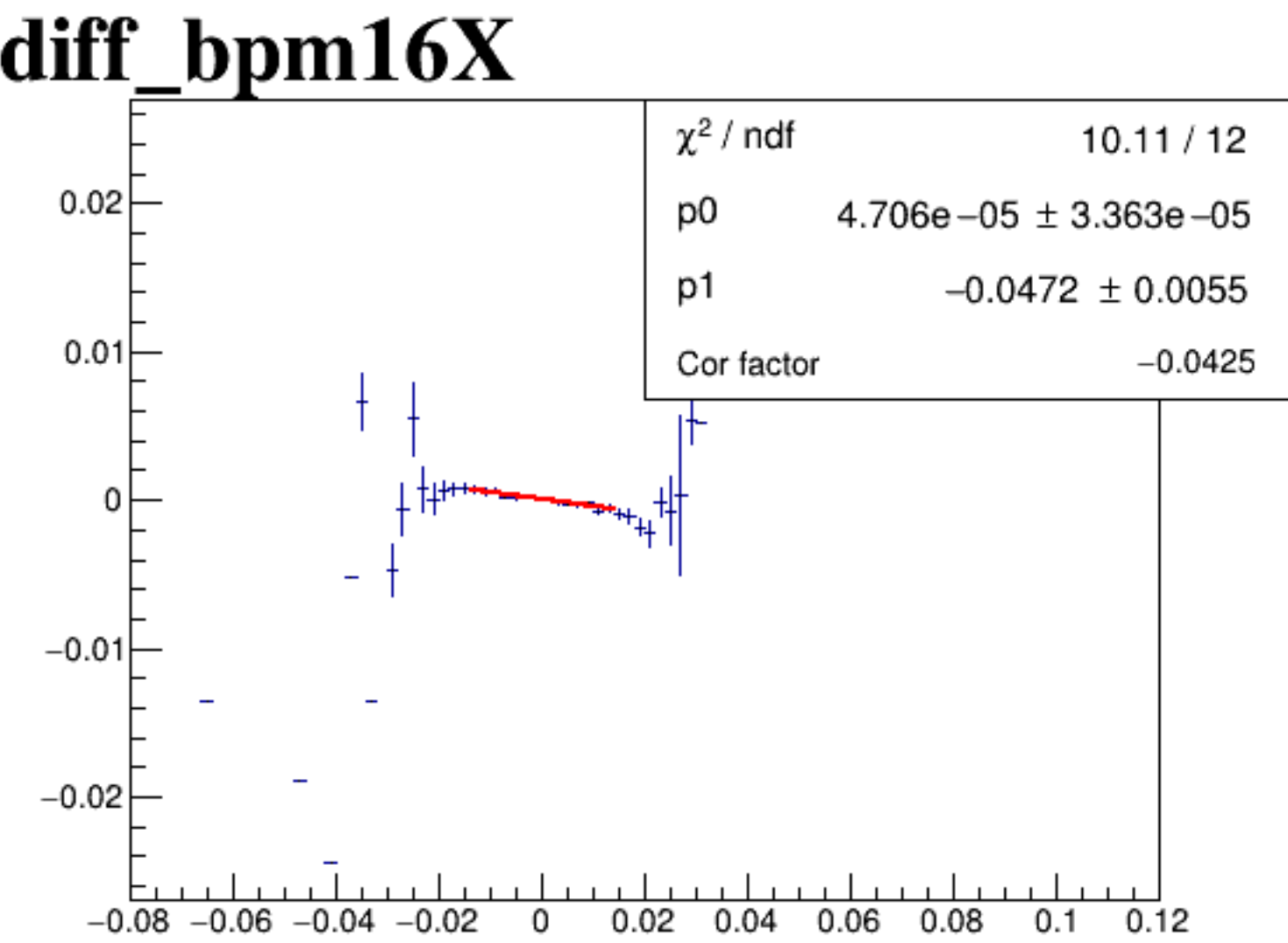
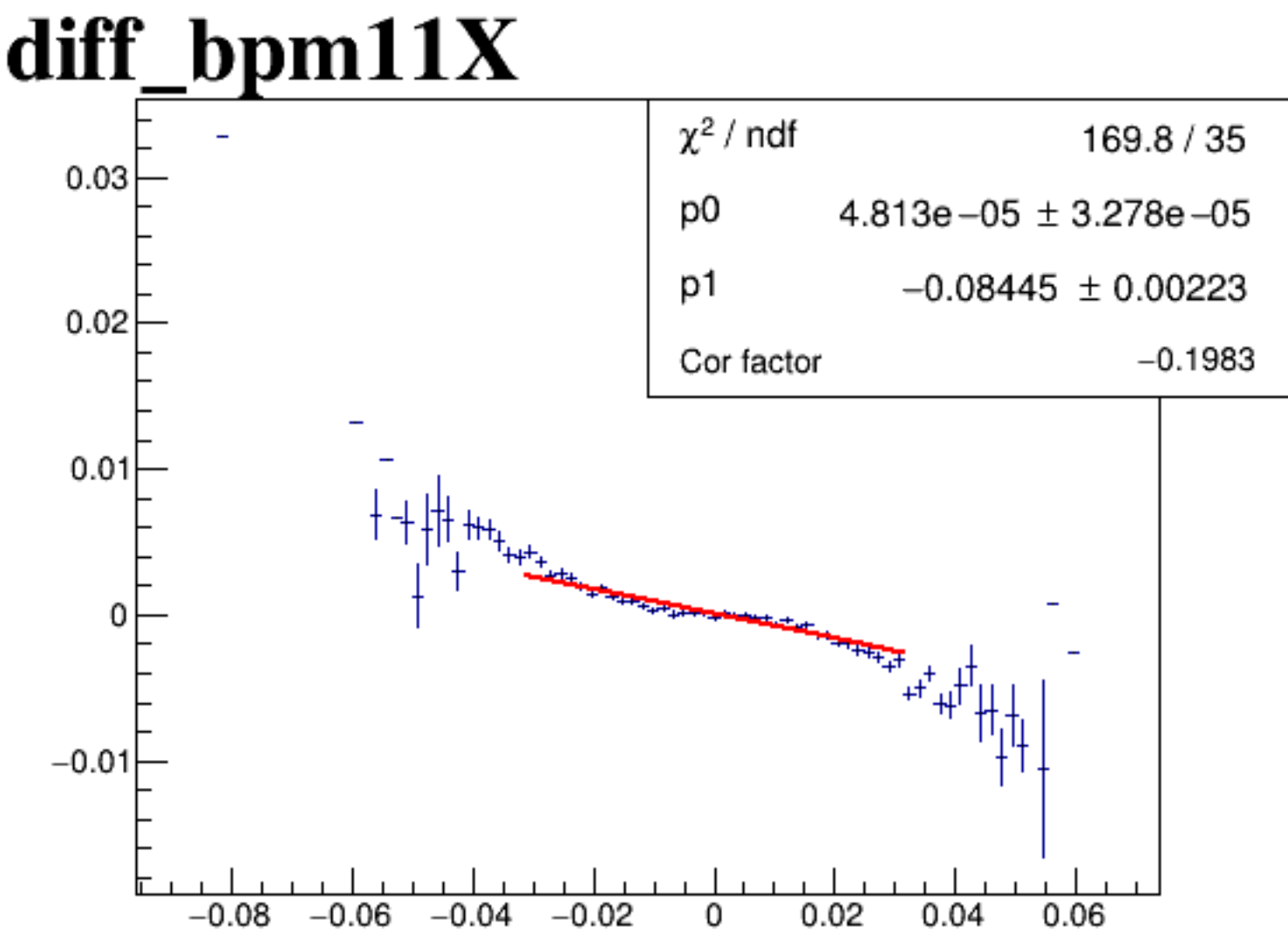
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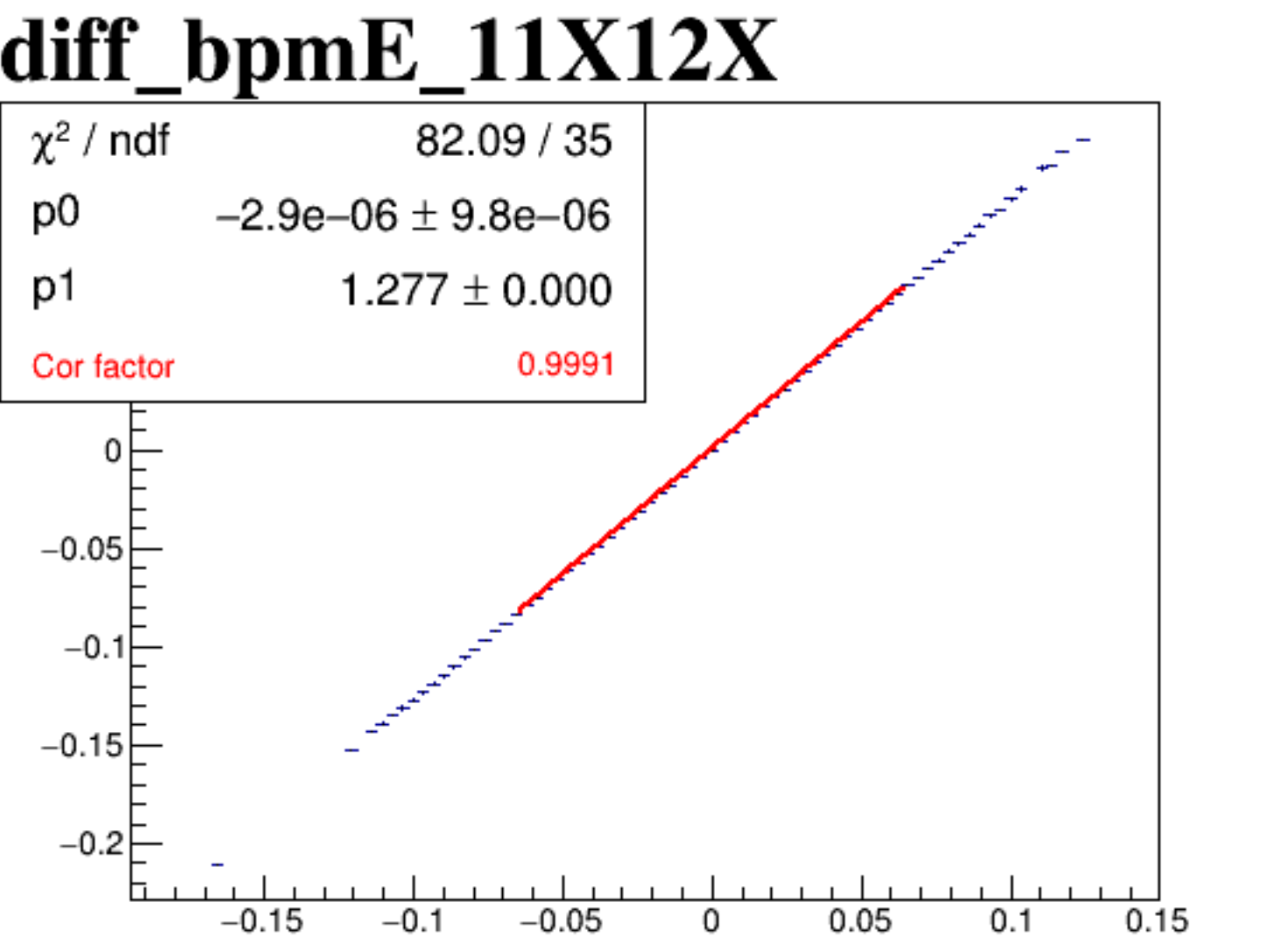
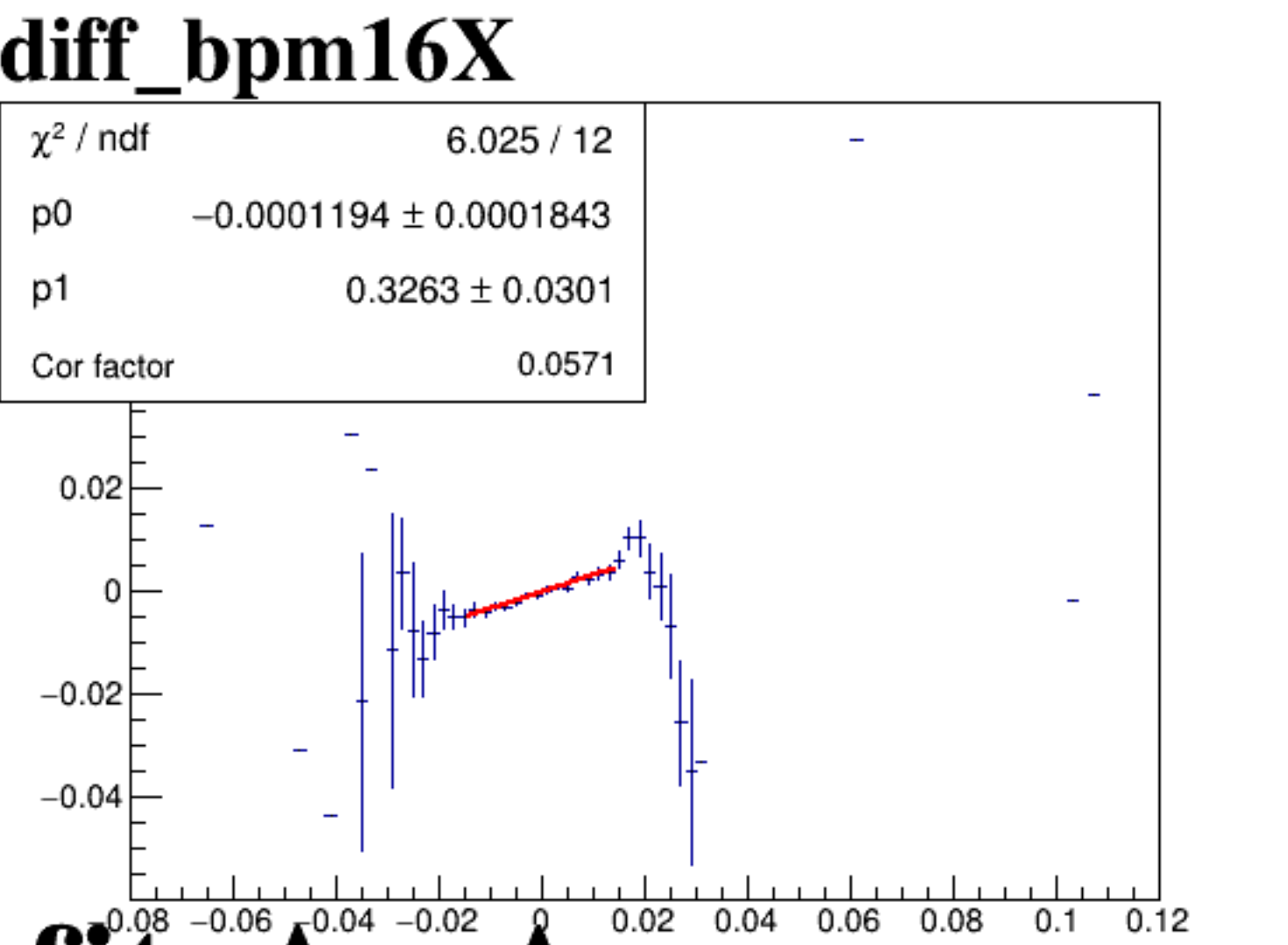
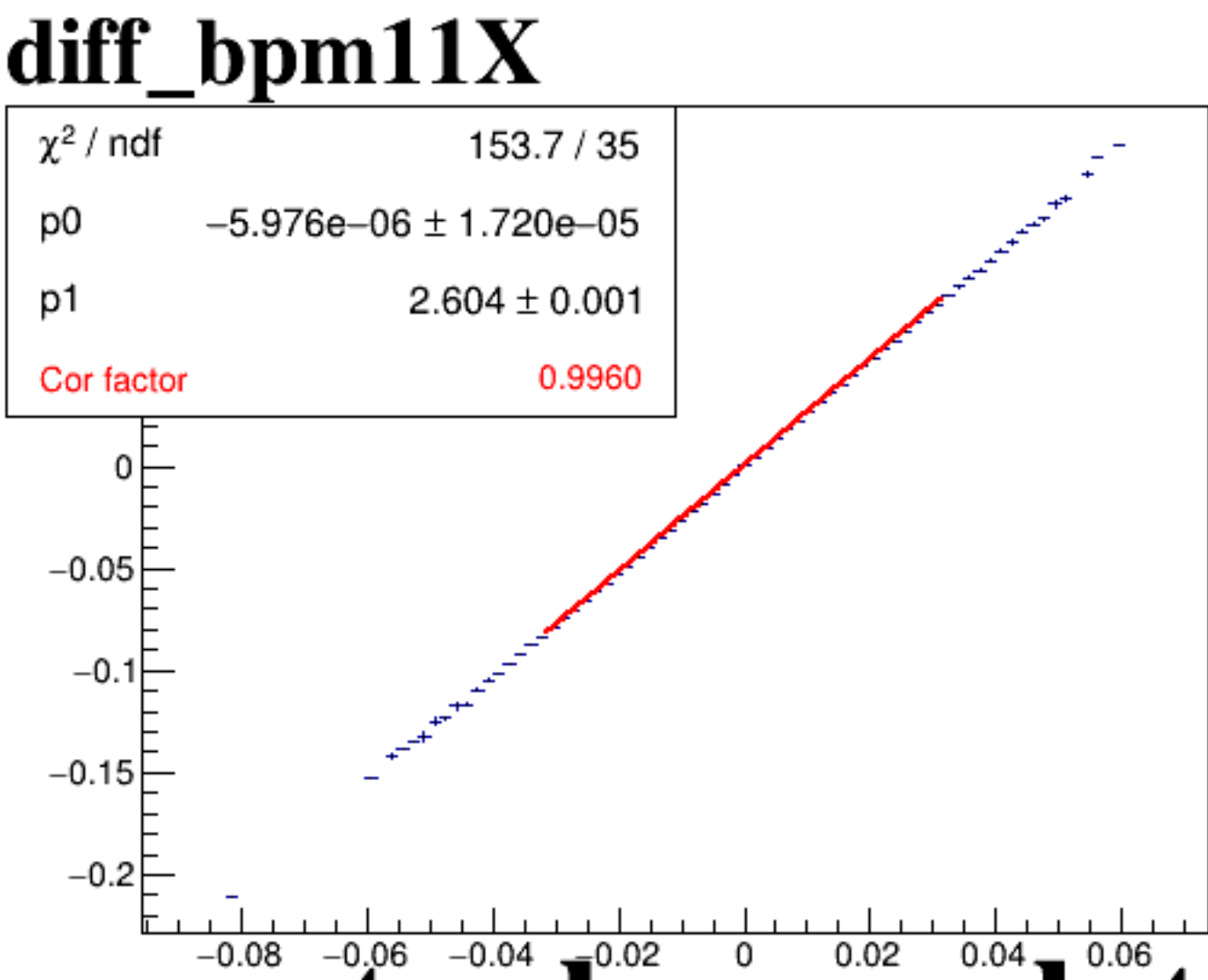
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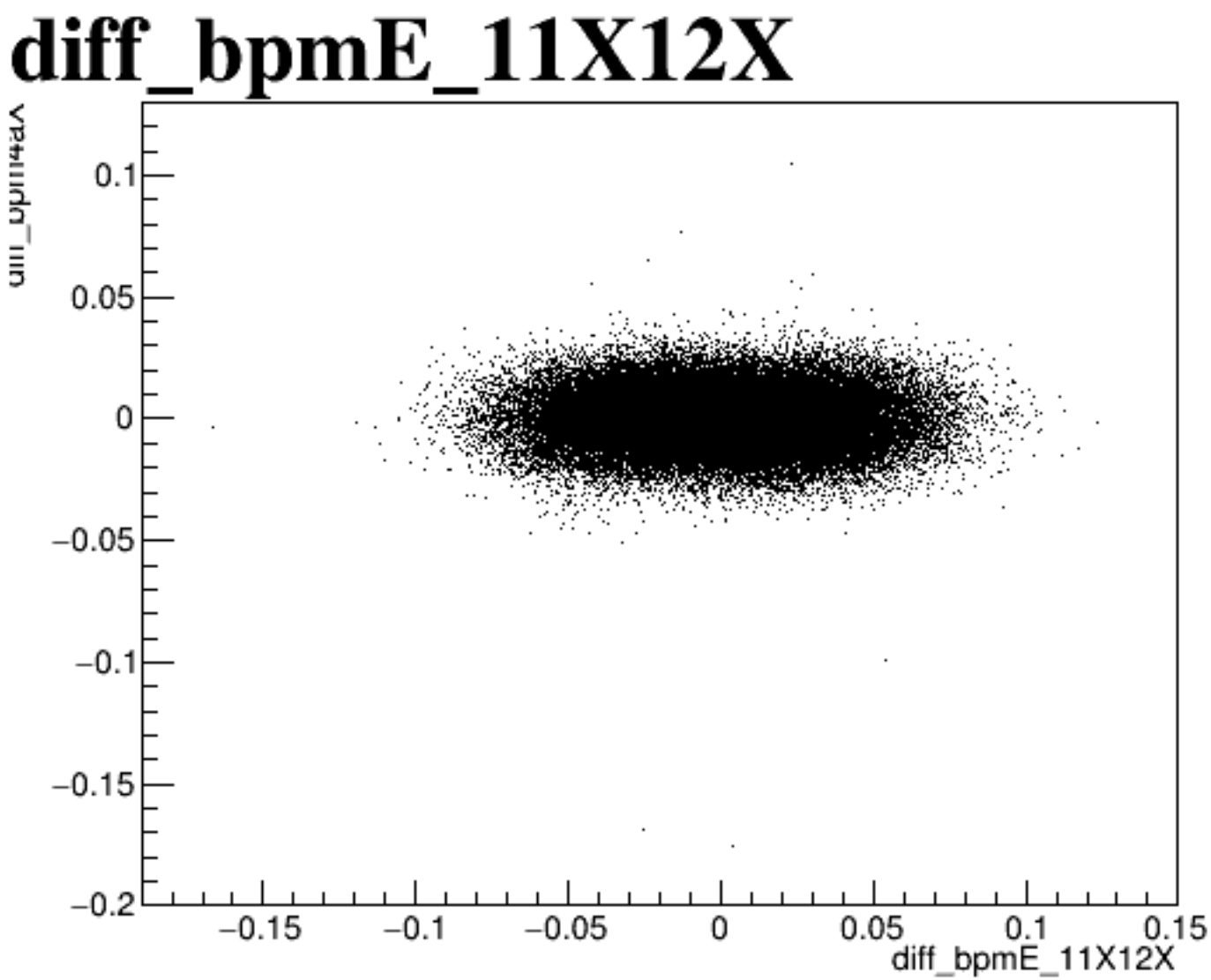
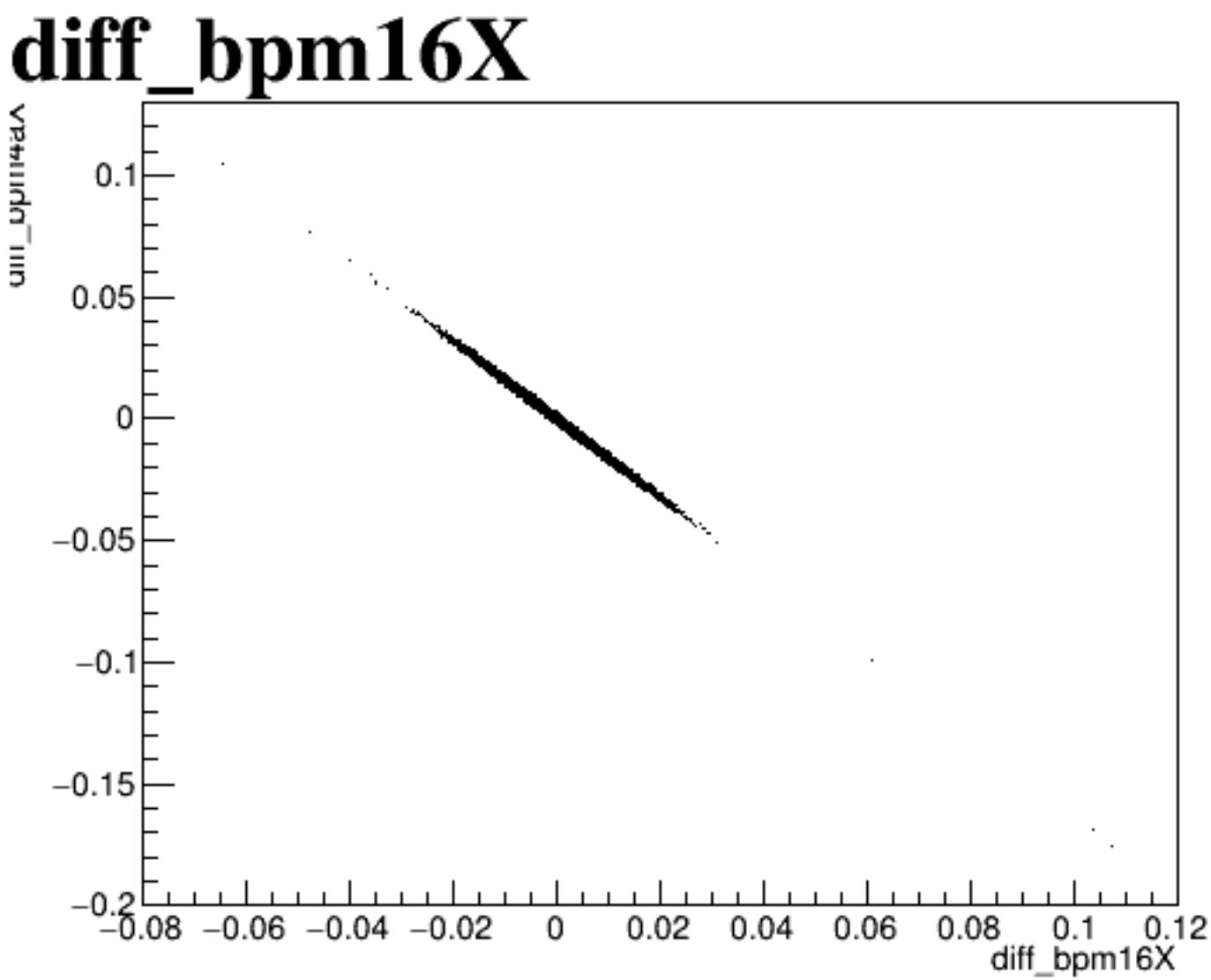
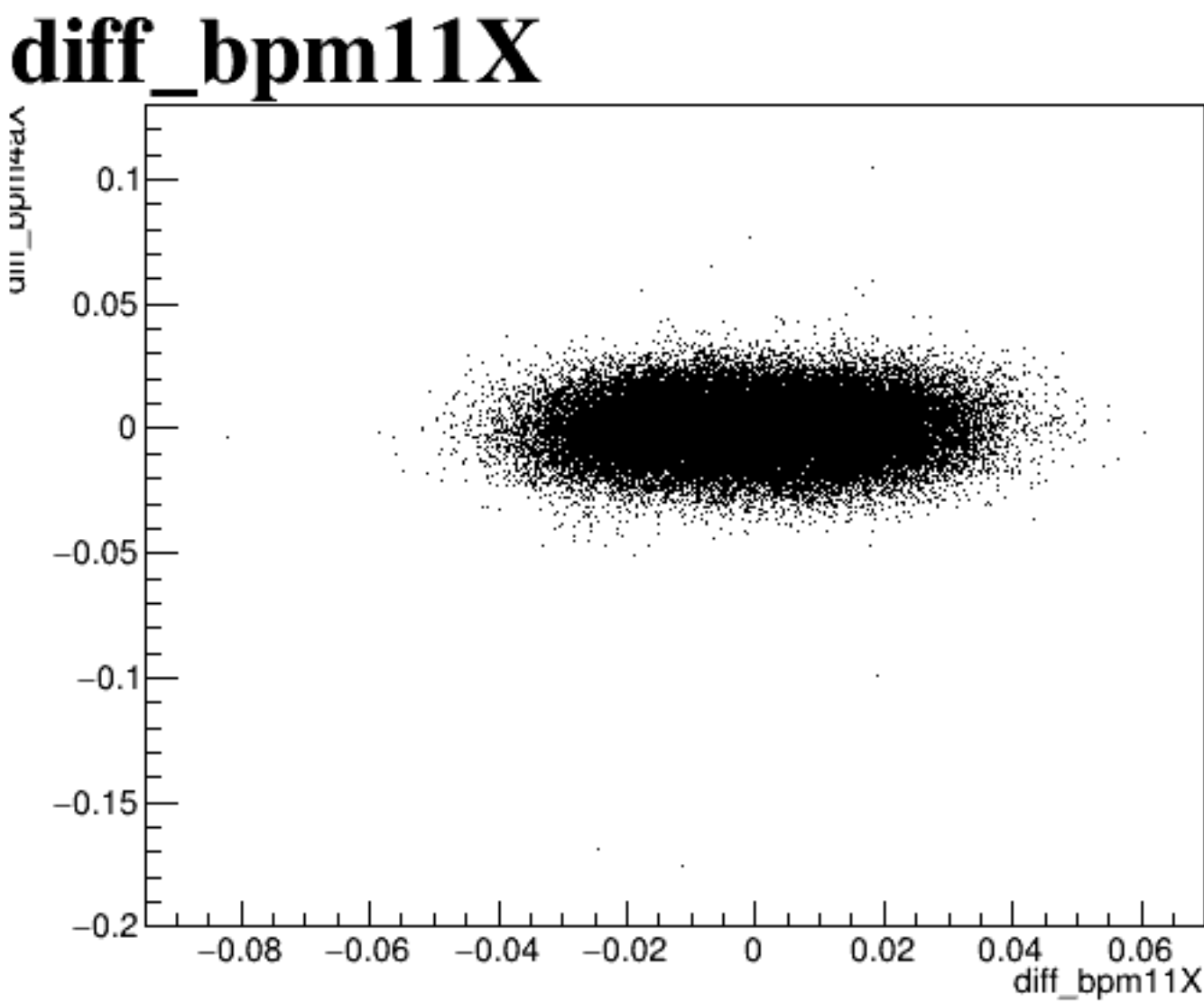
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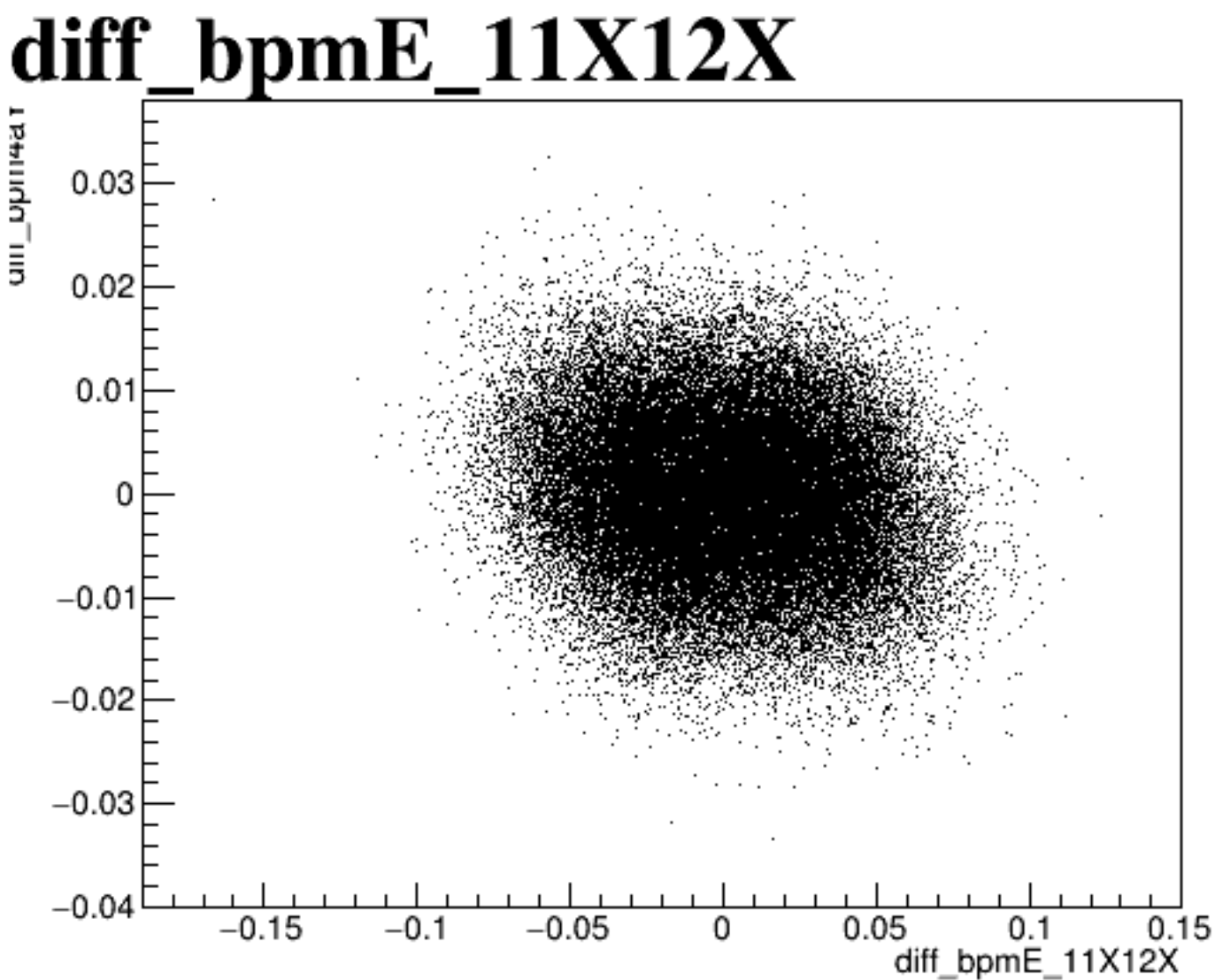
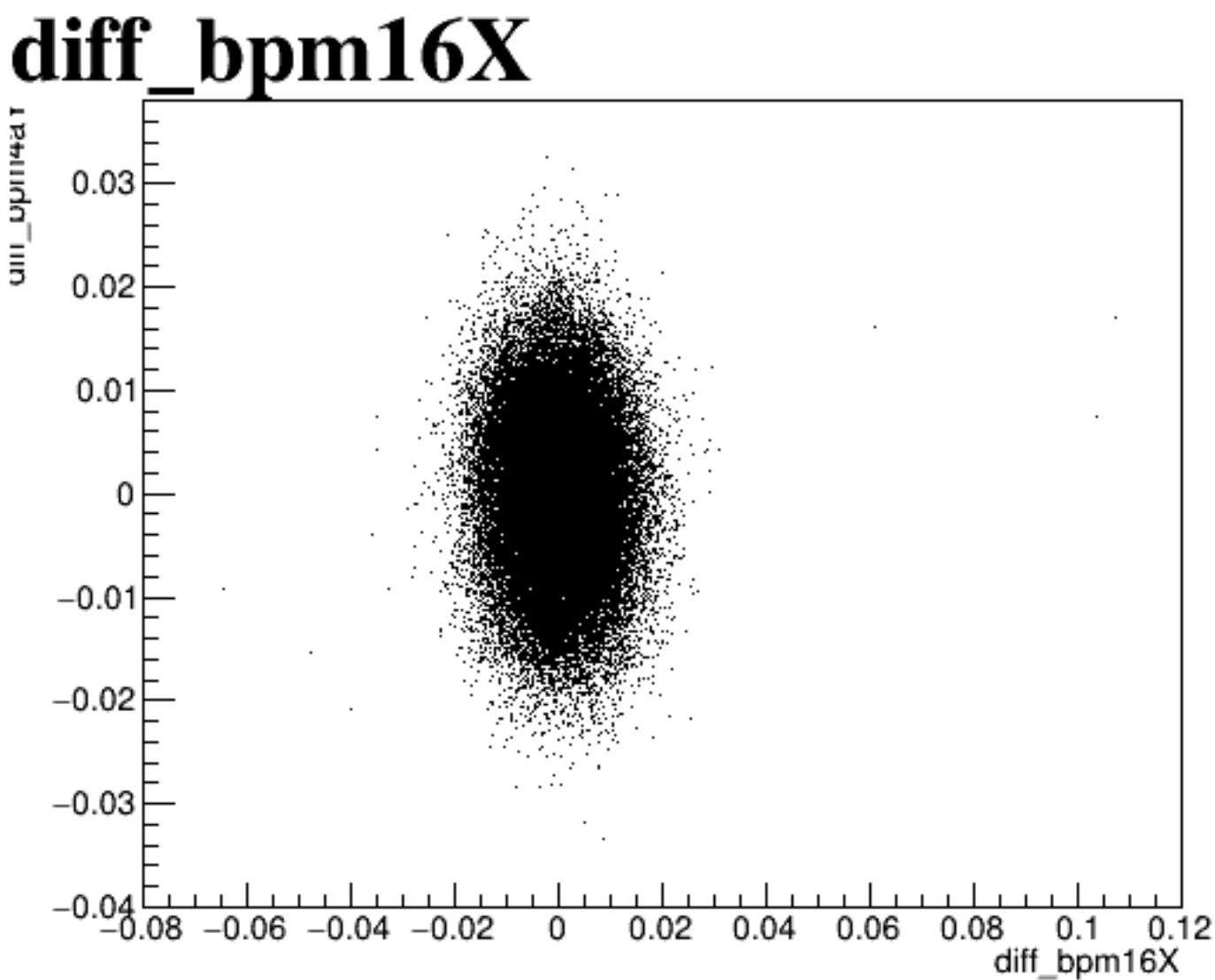
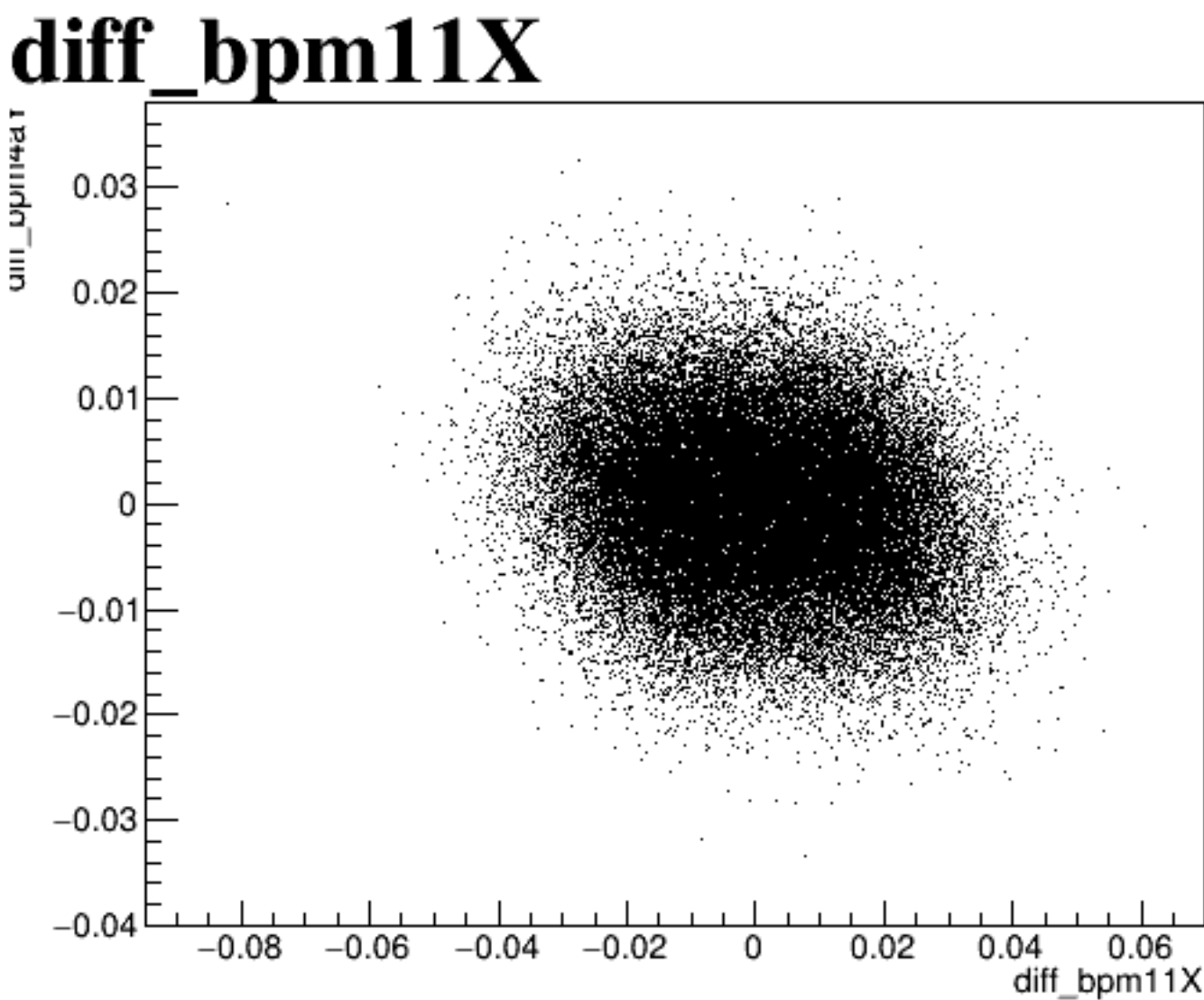
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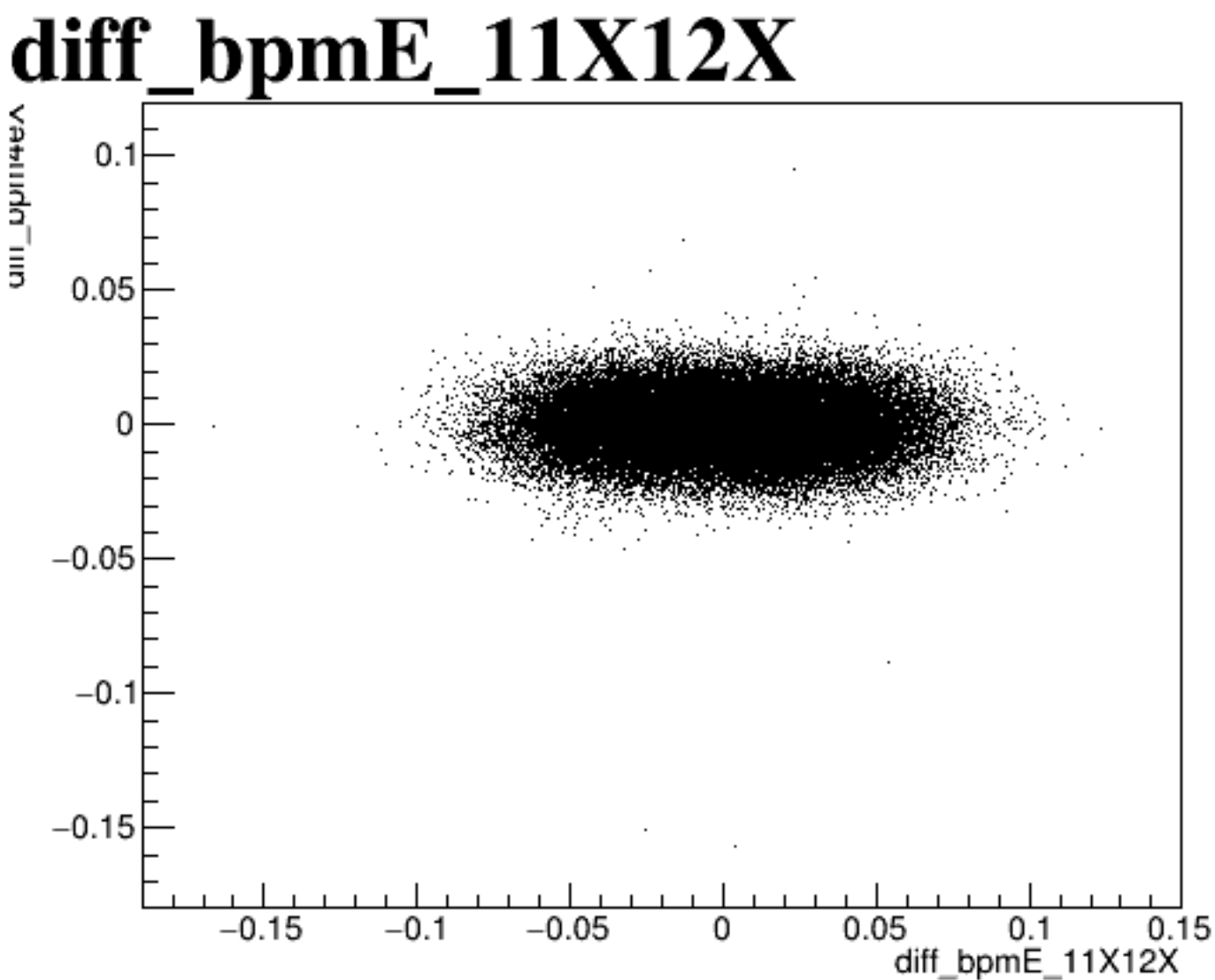
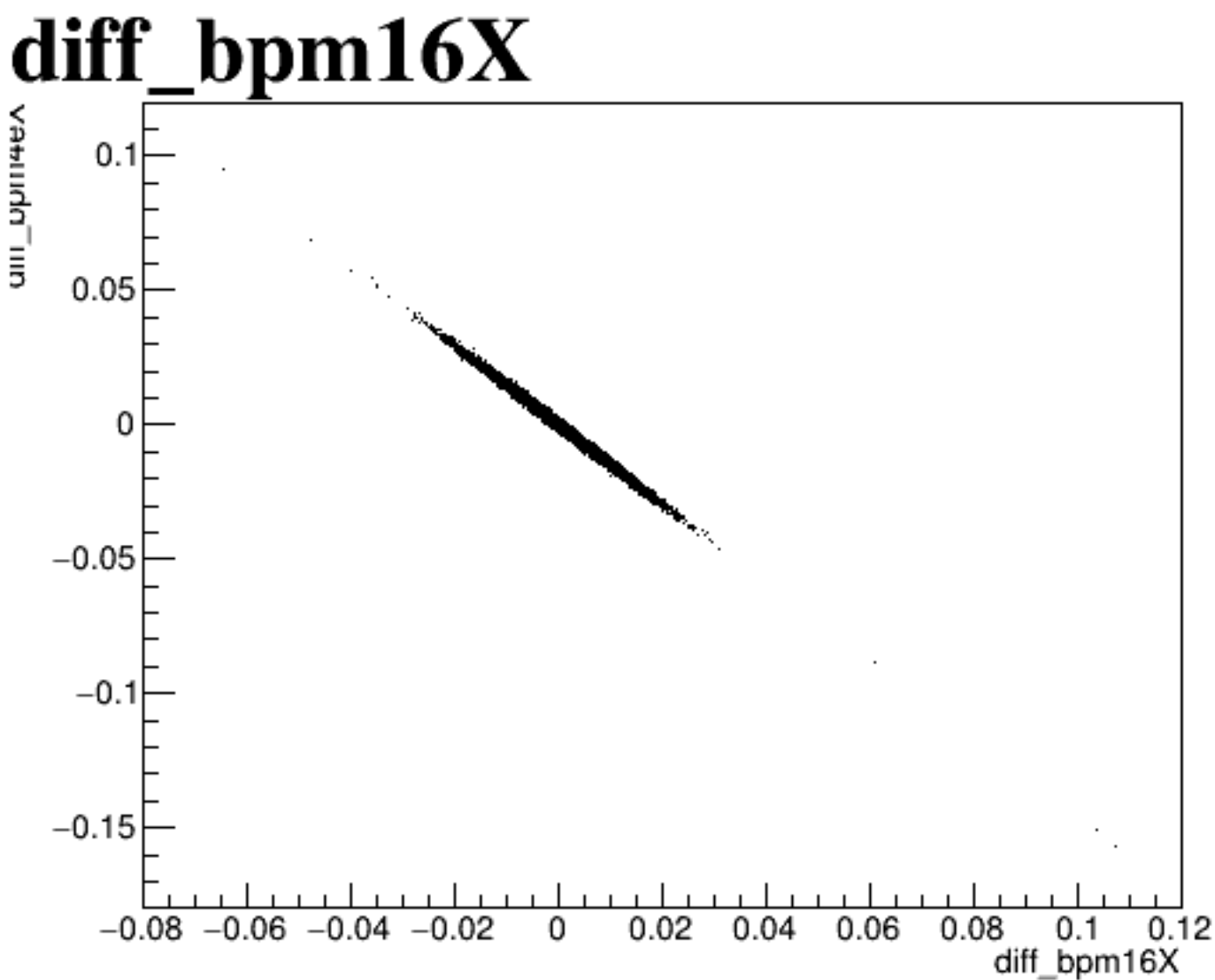
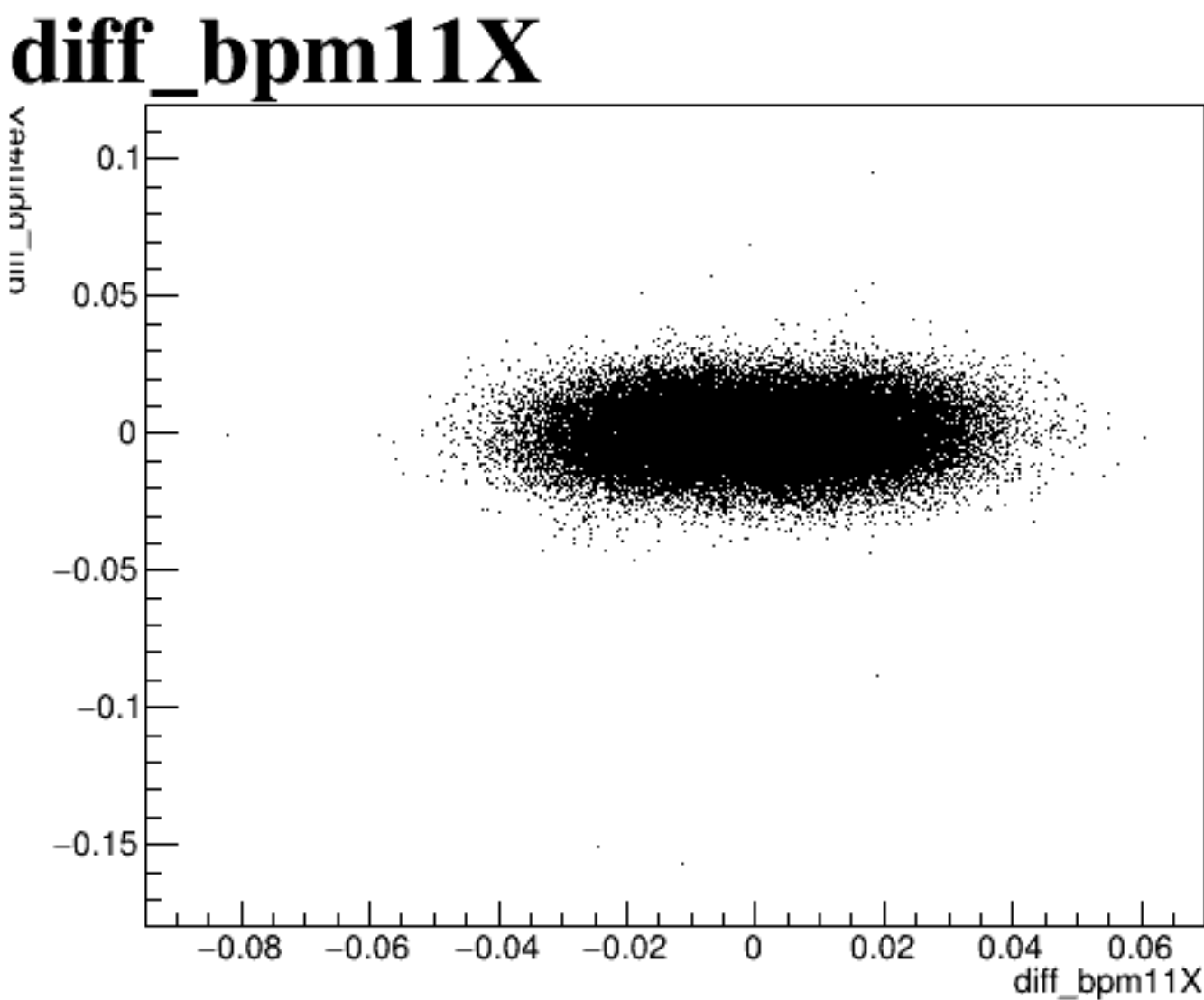
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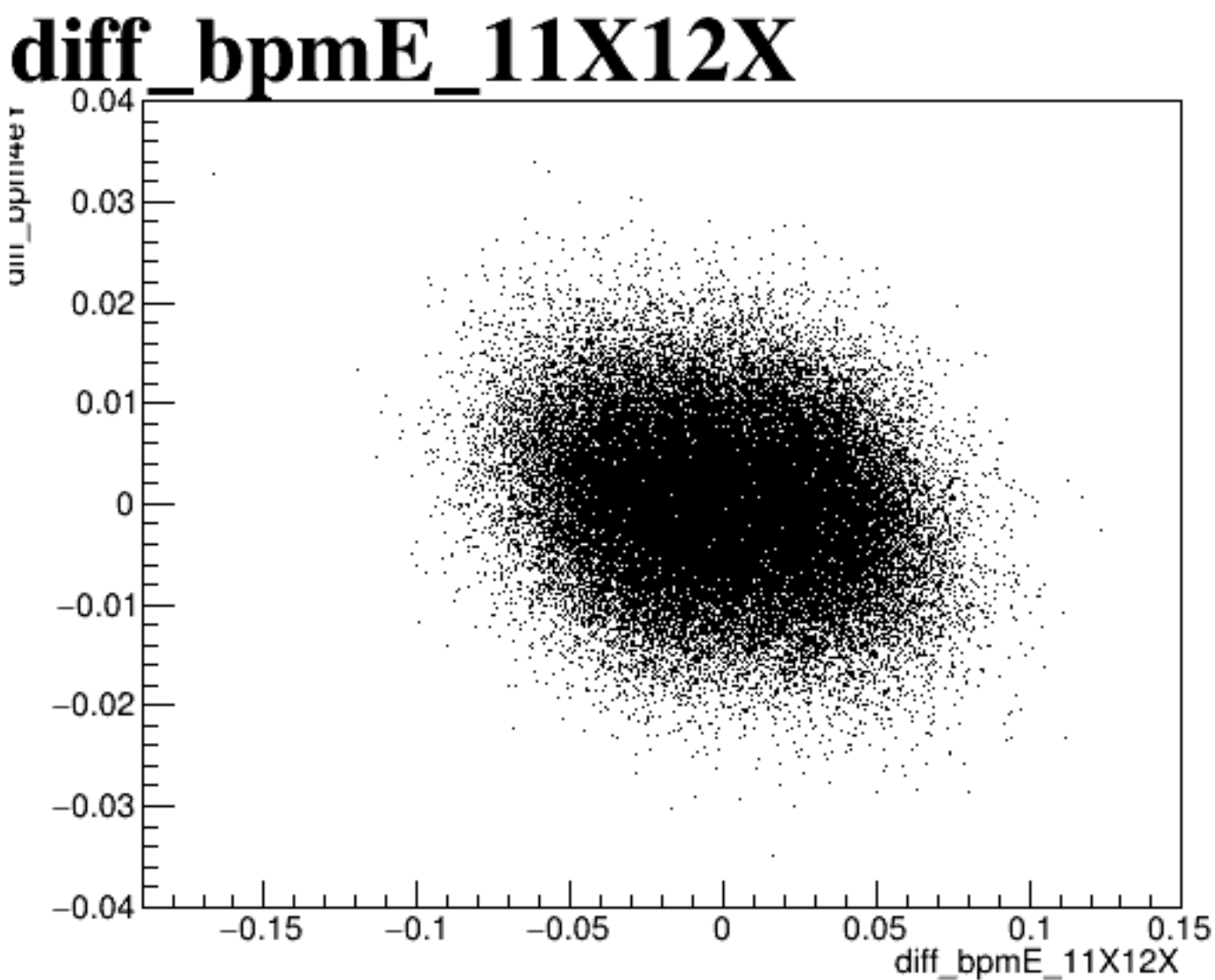
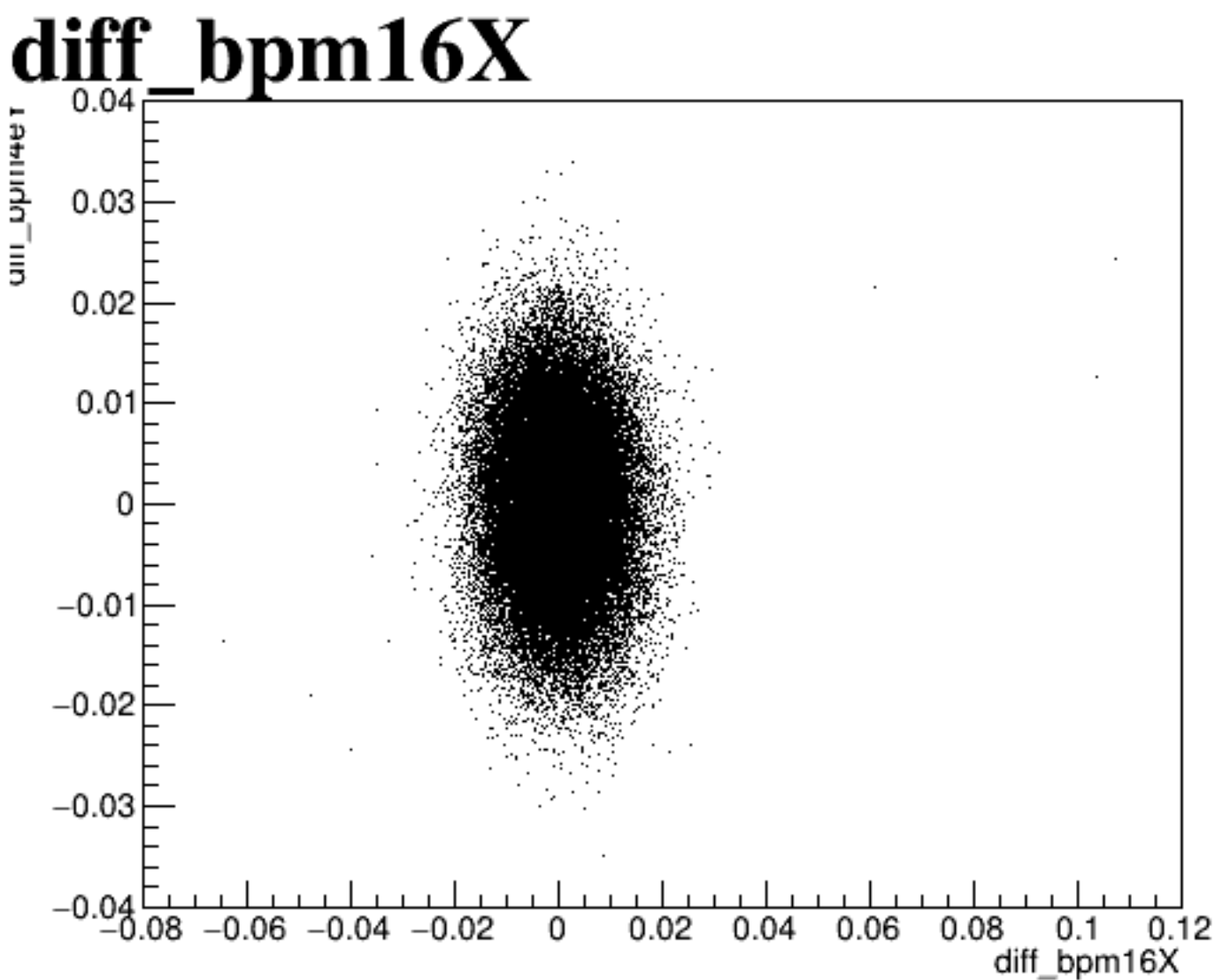
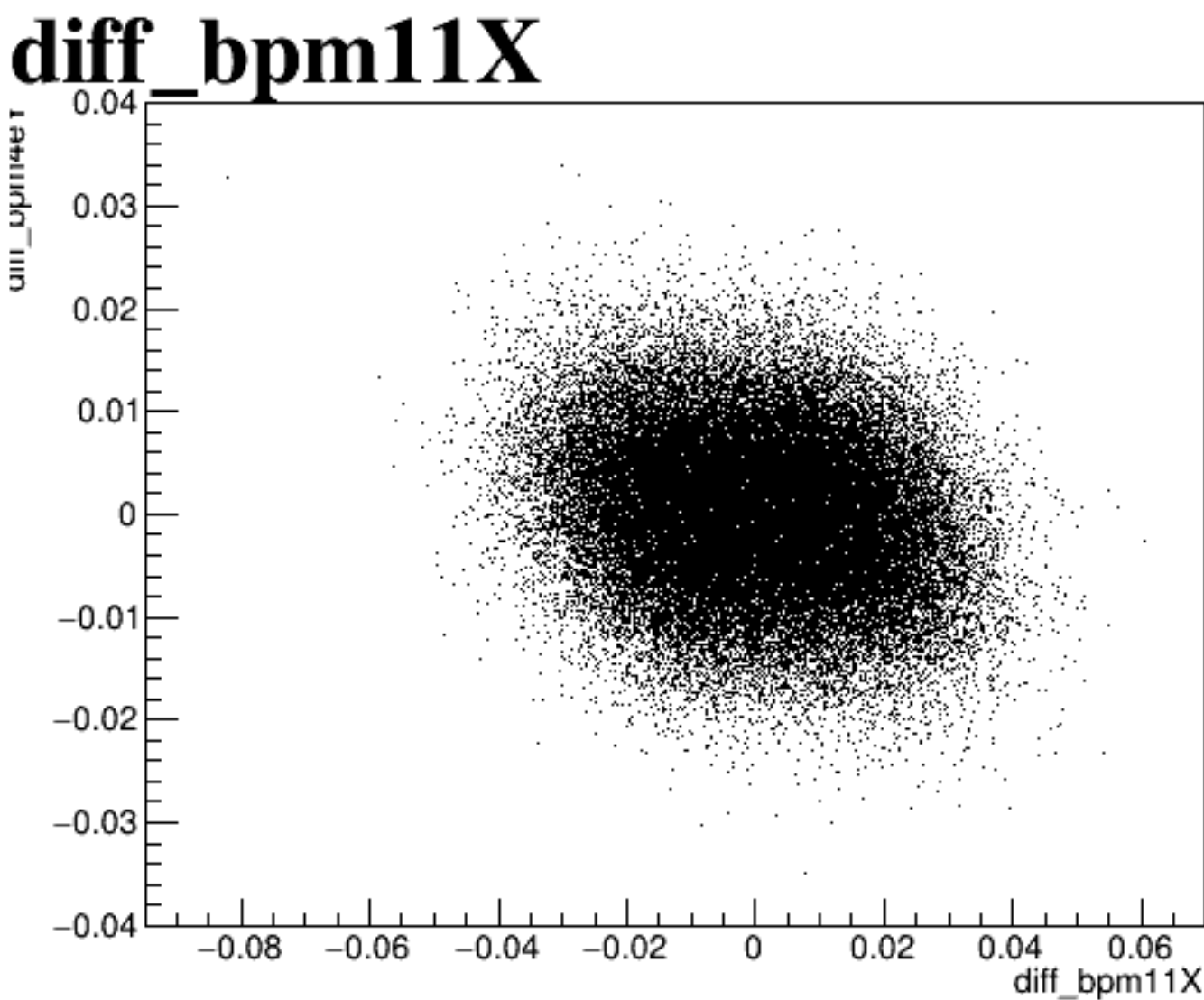
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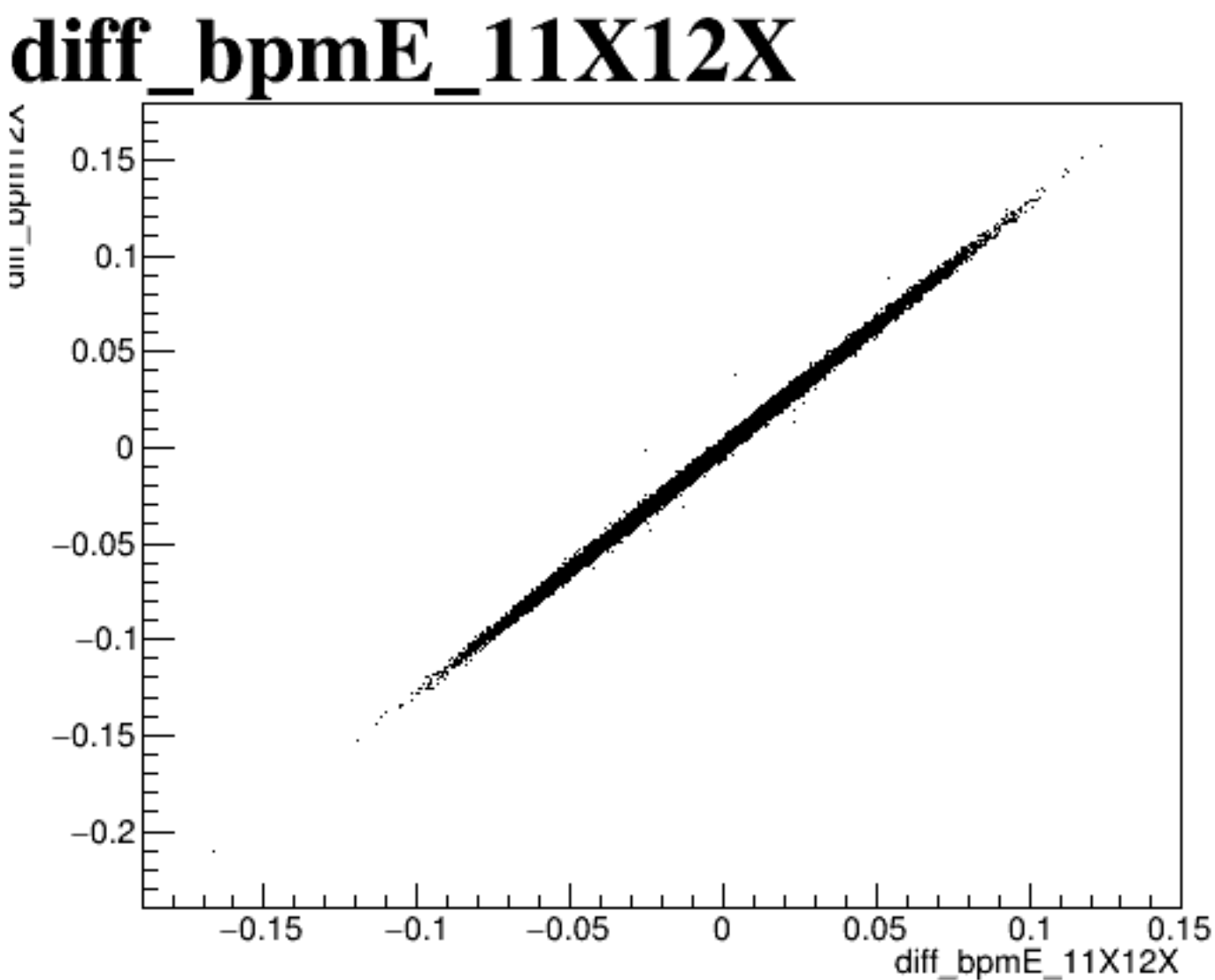
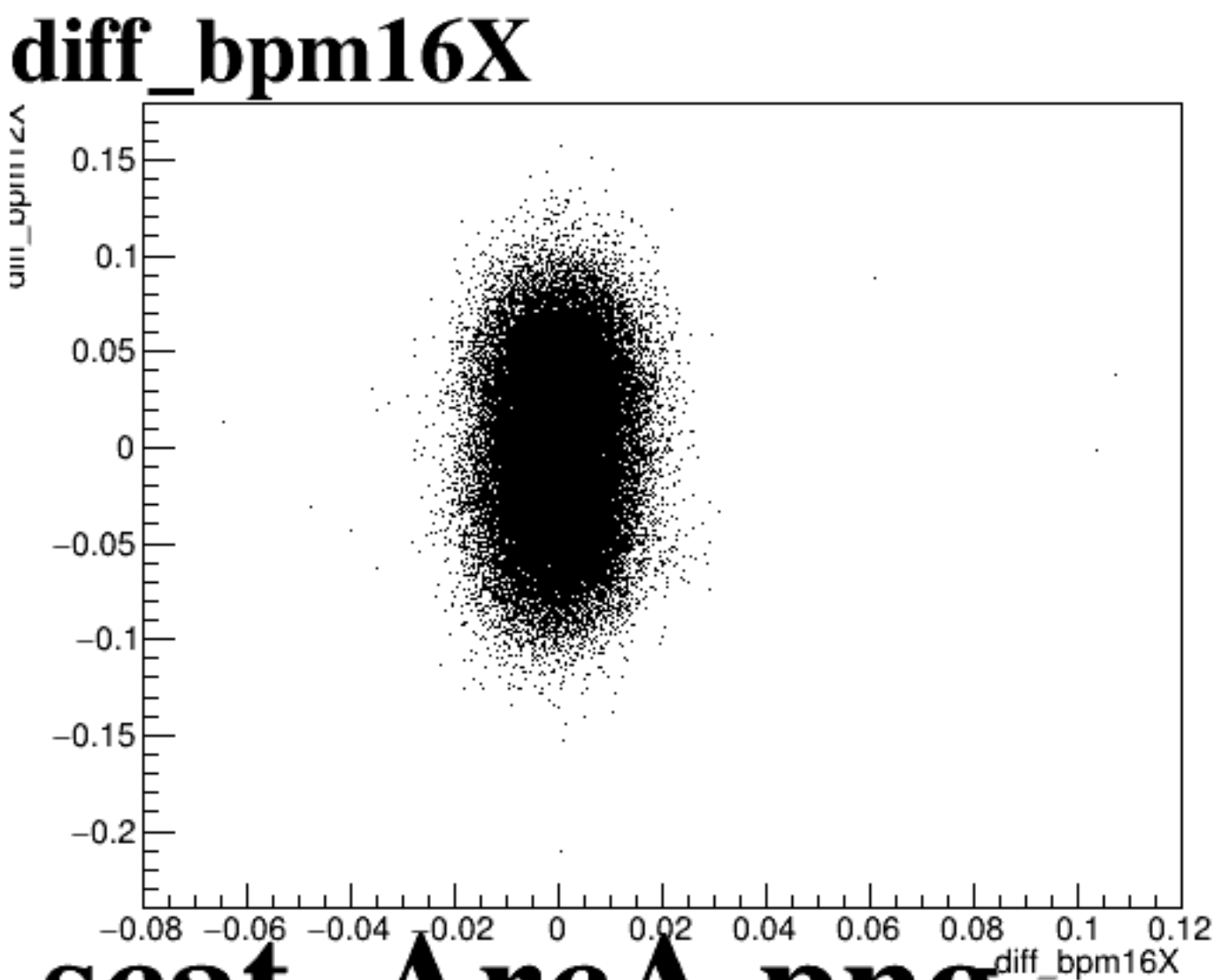
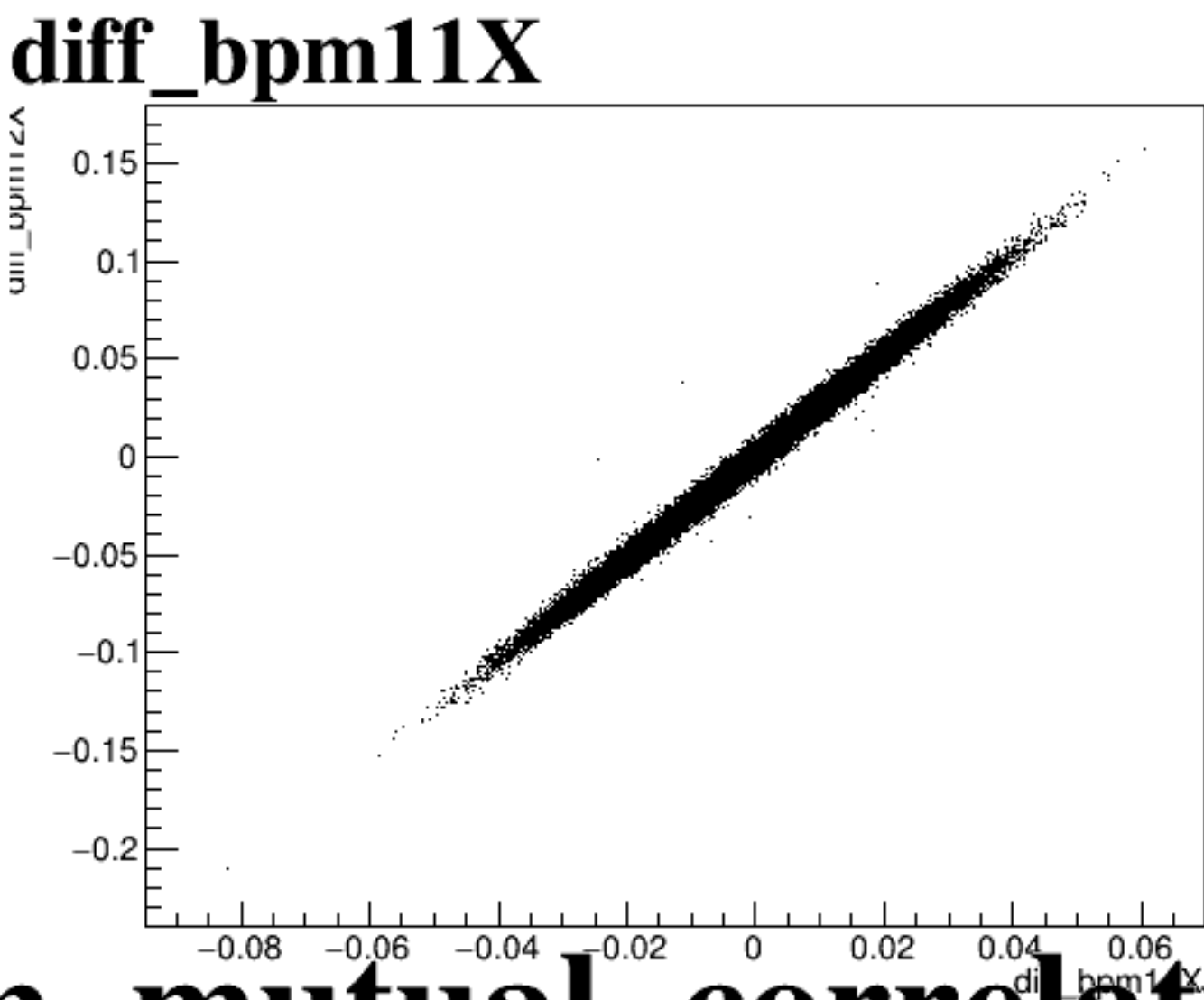
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diff_bpm4eY

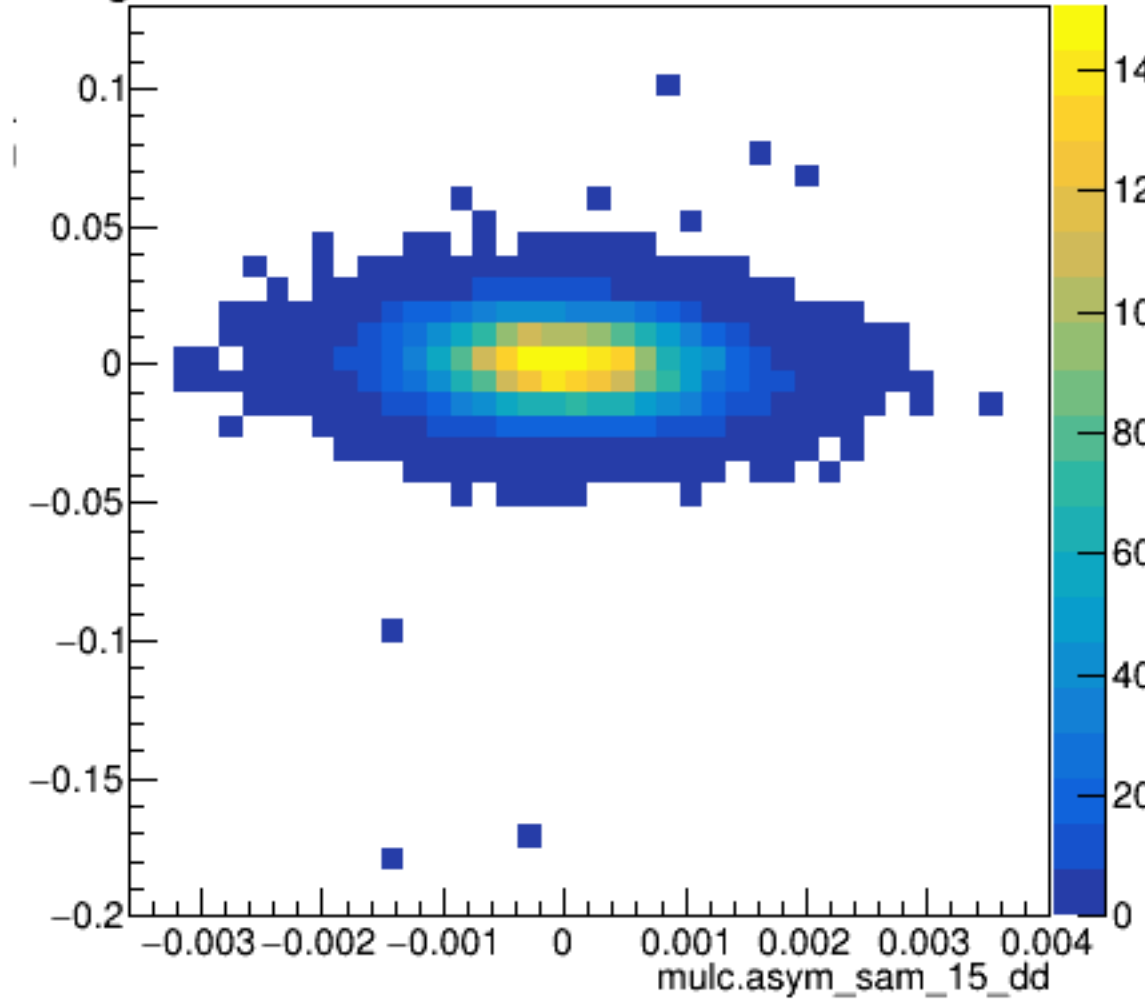


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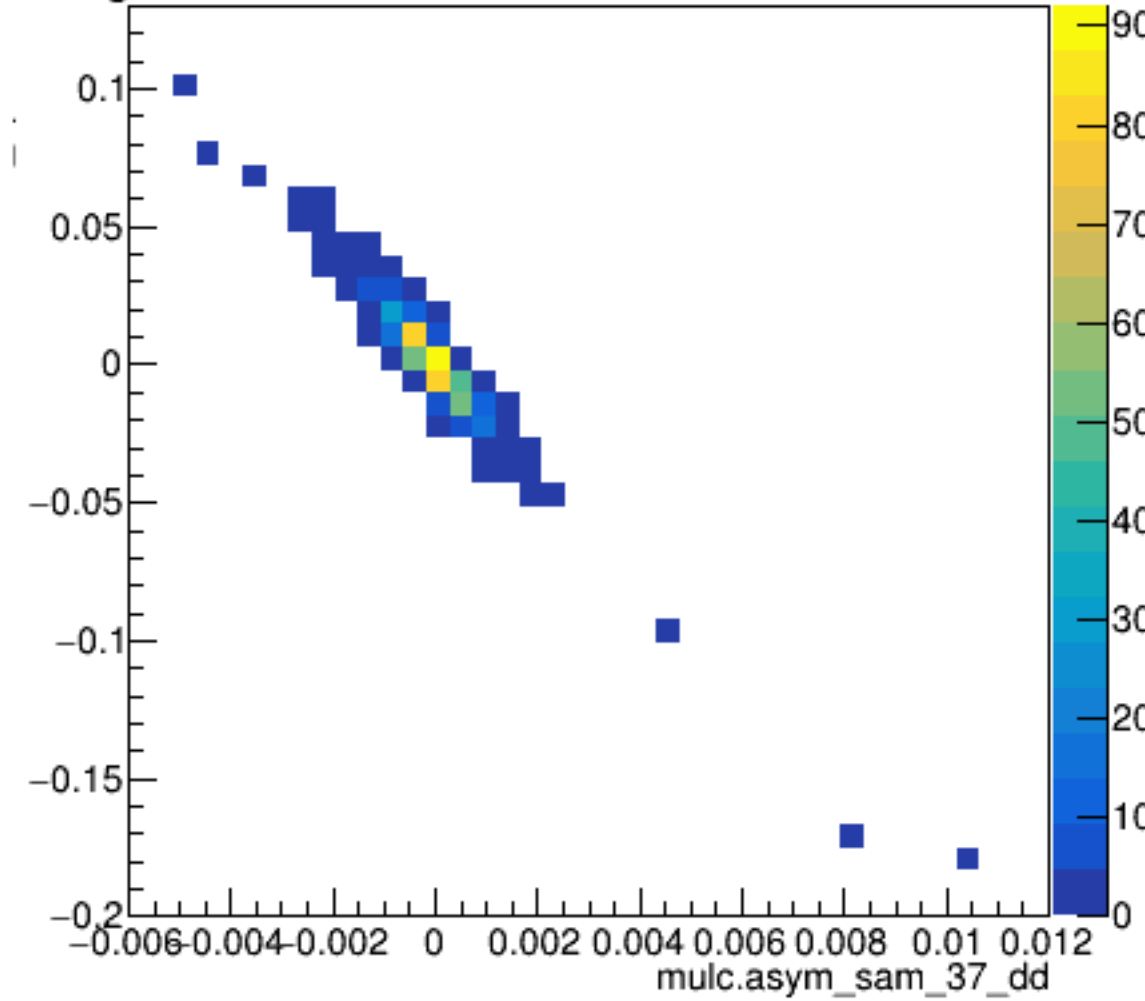


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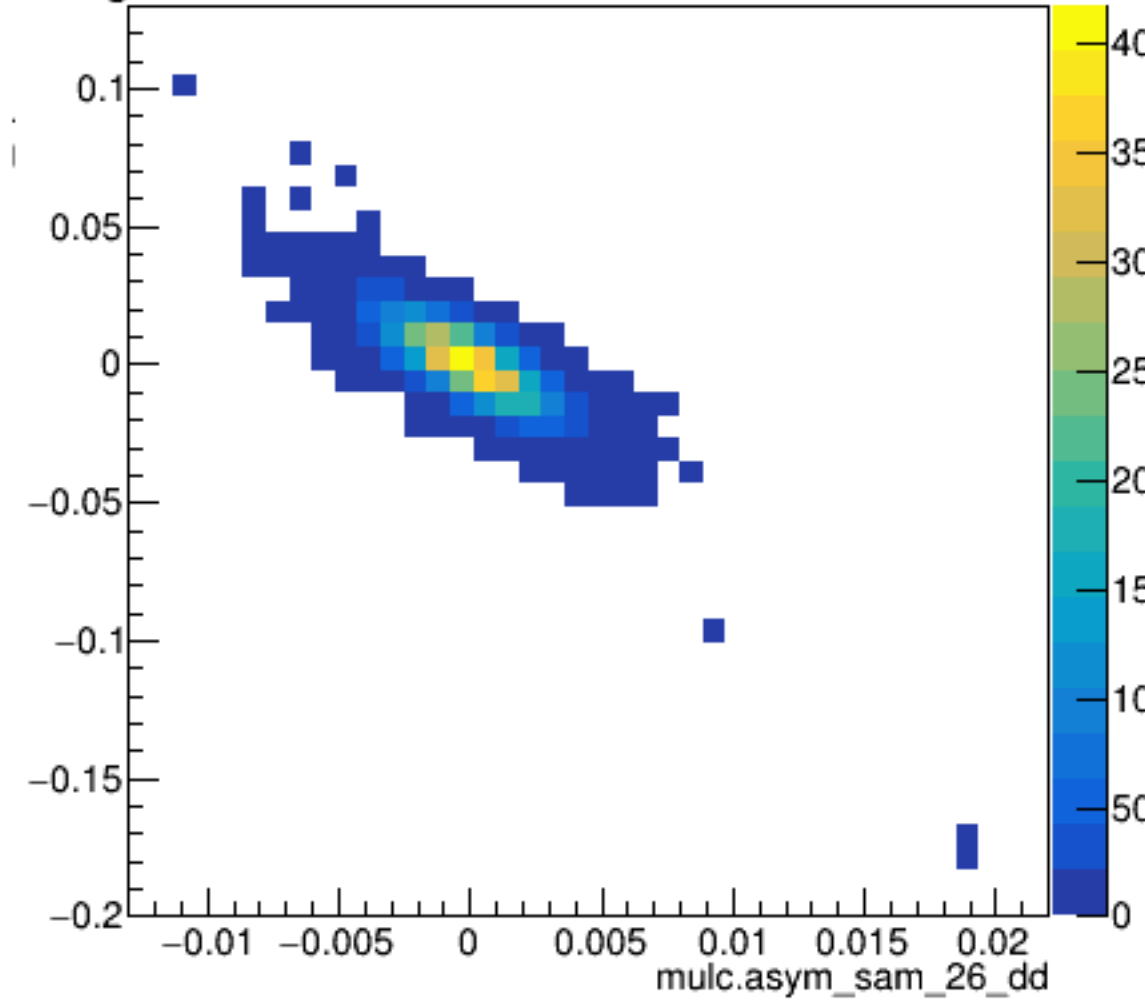
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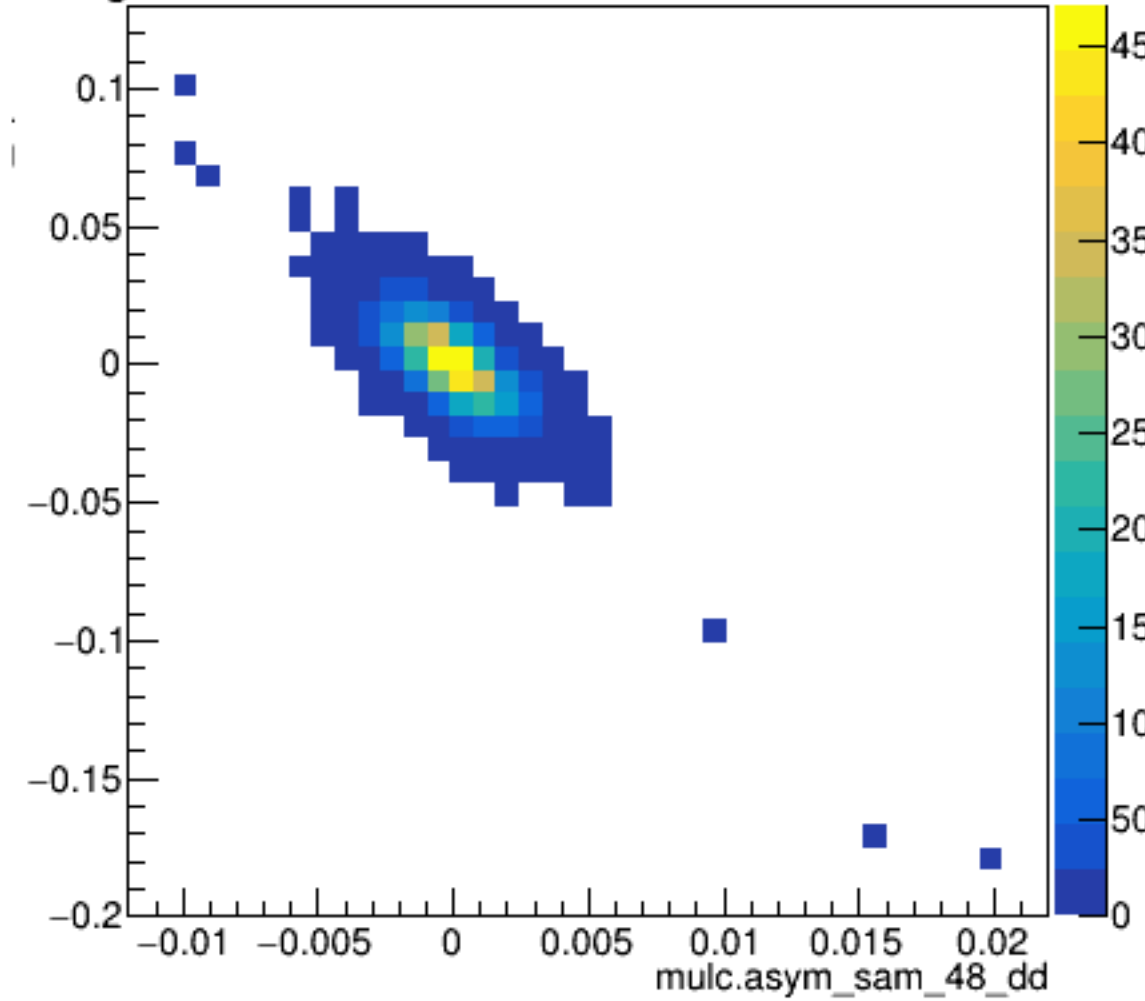
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asym_sam_26_dd

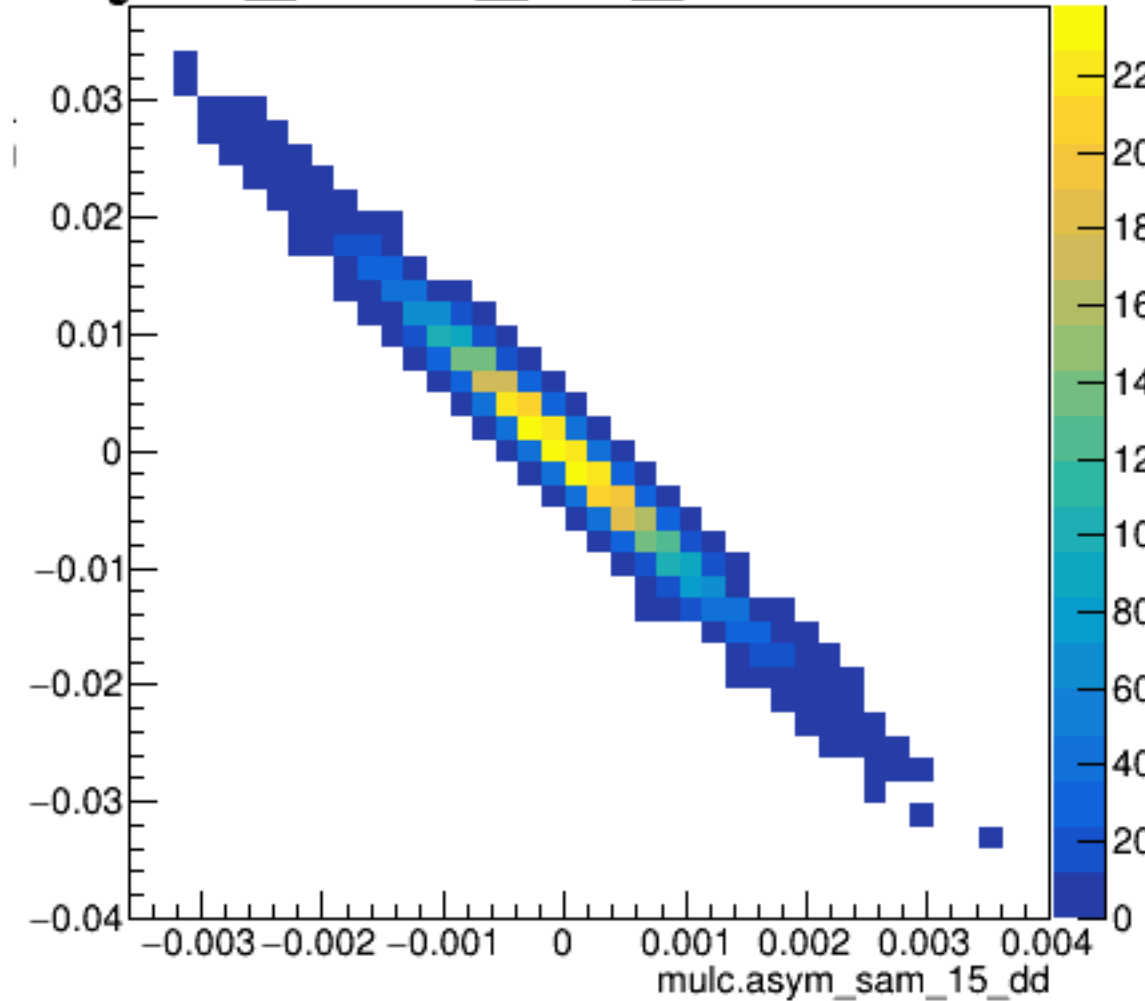


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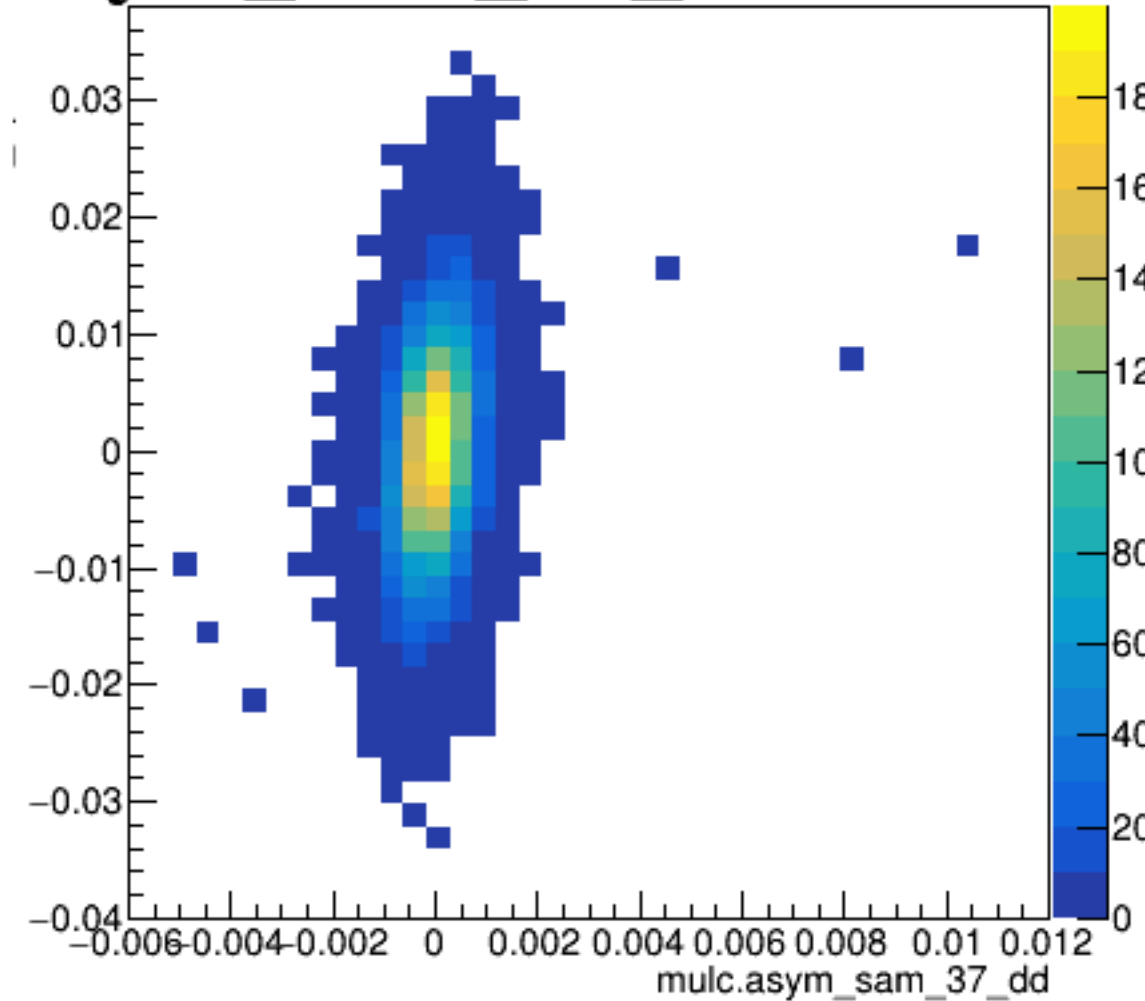


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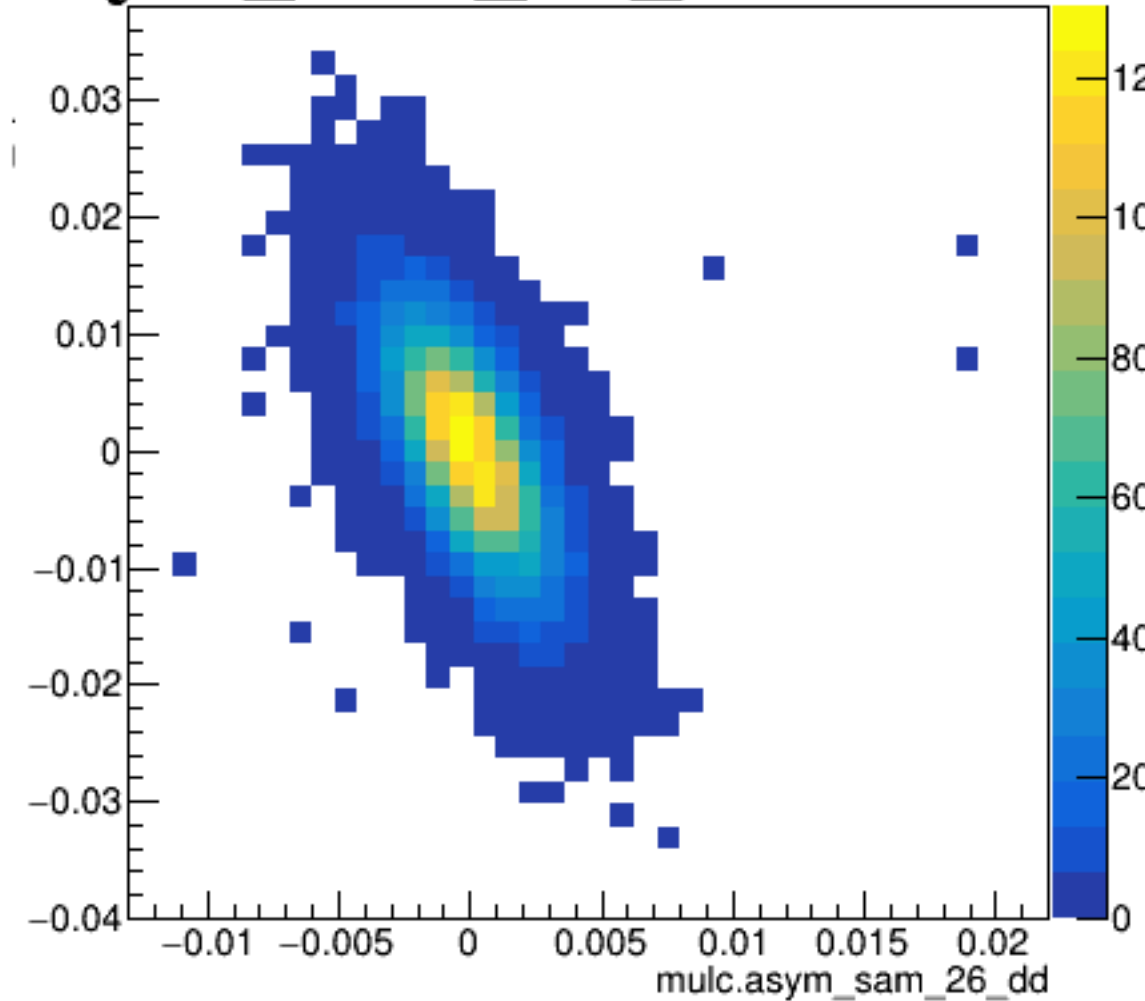
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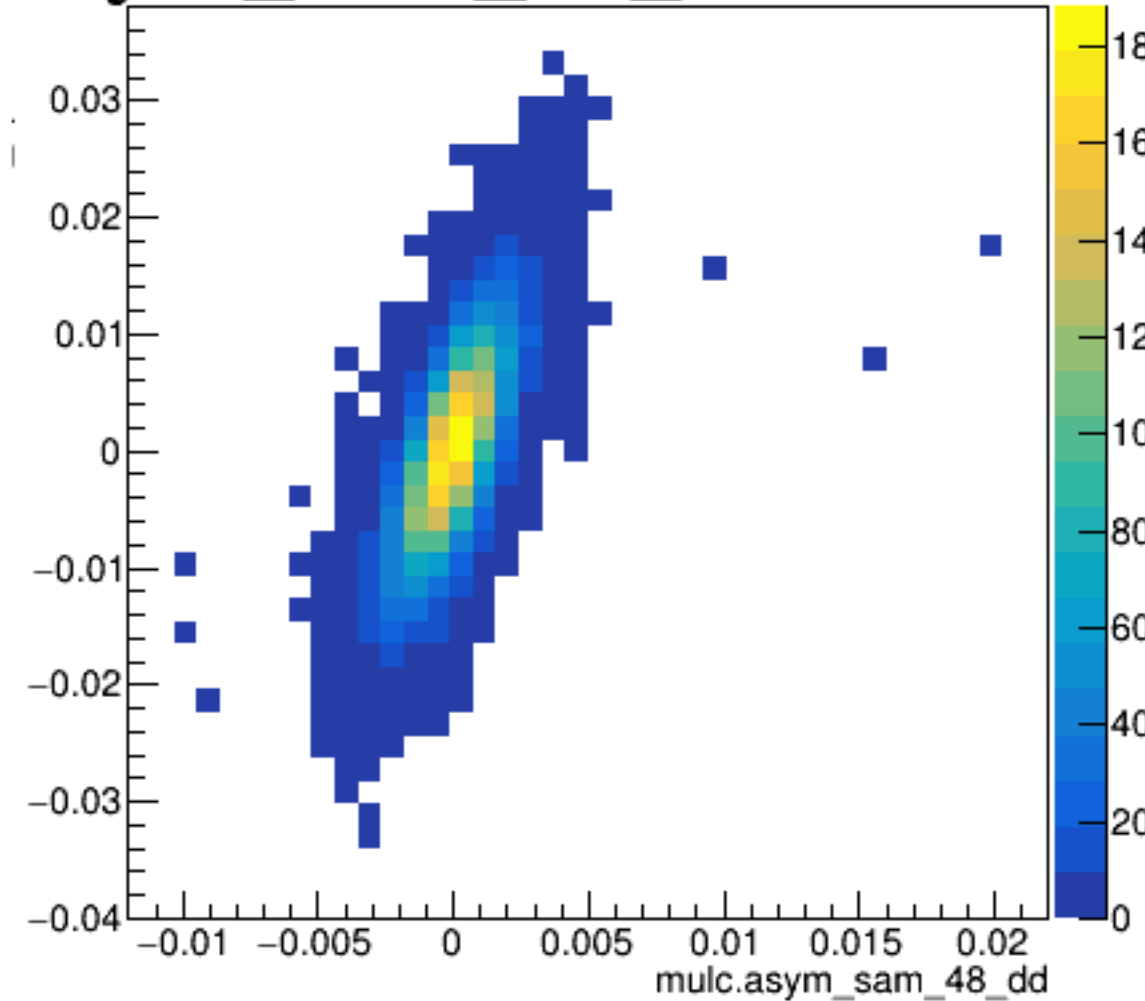
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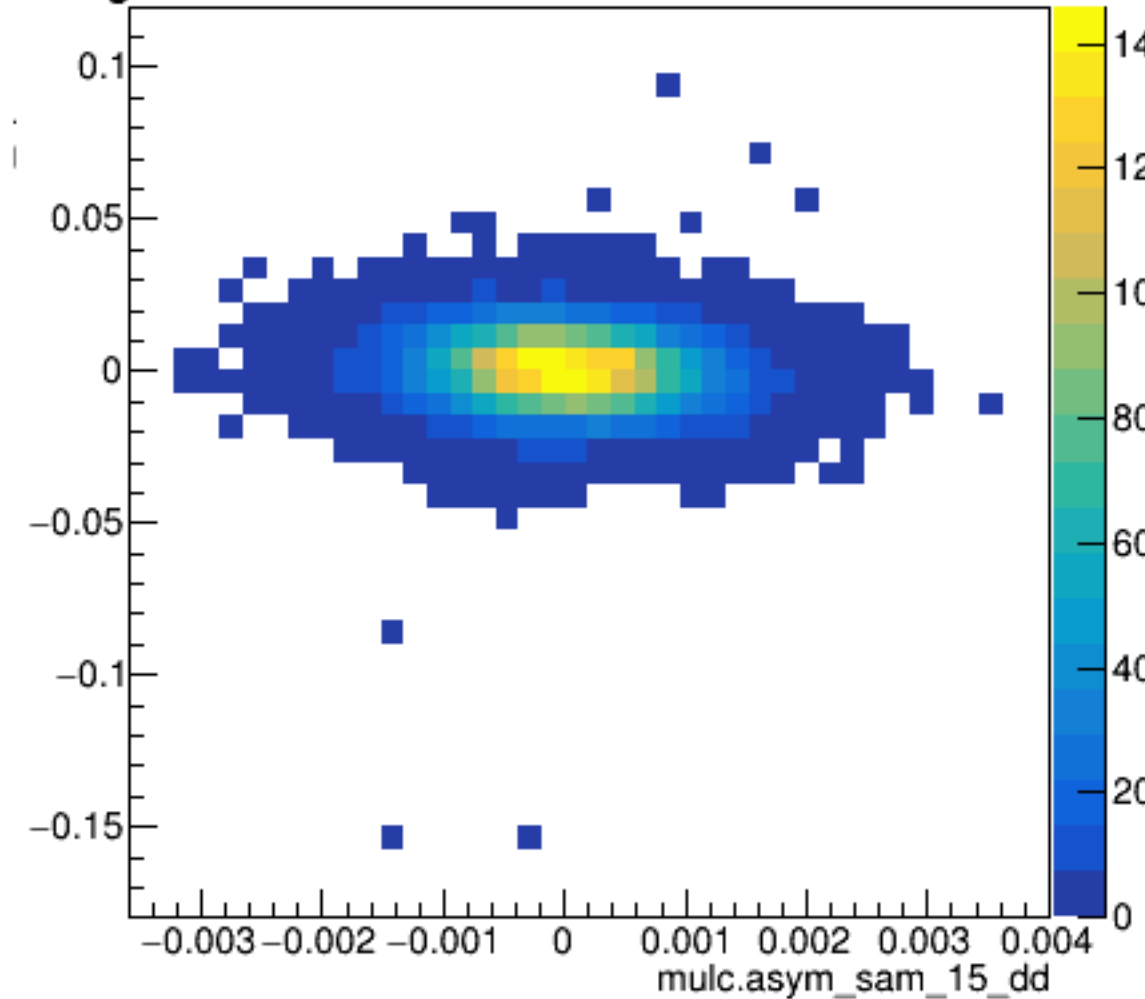


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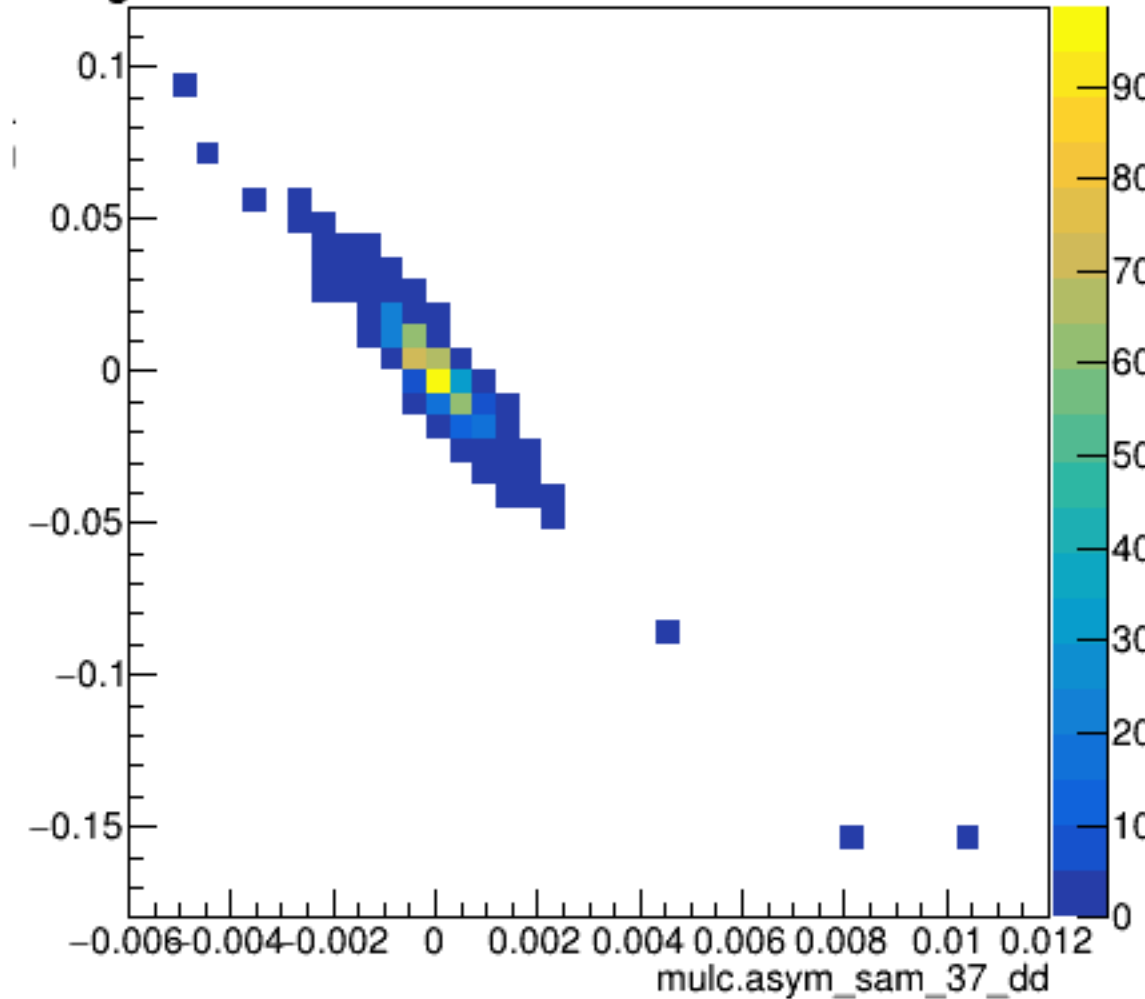


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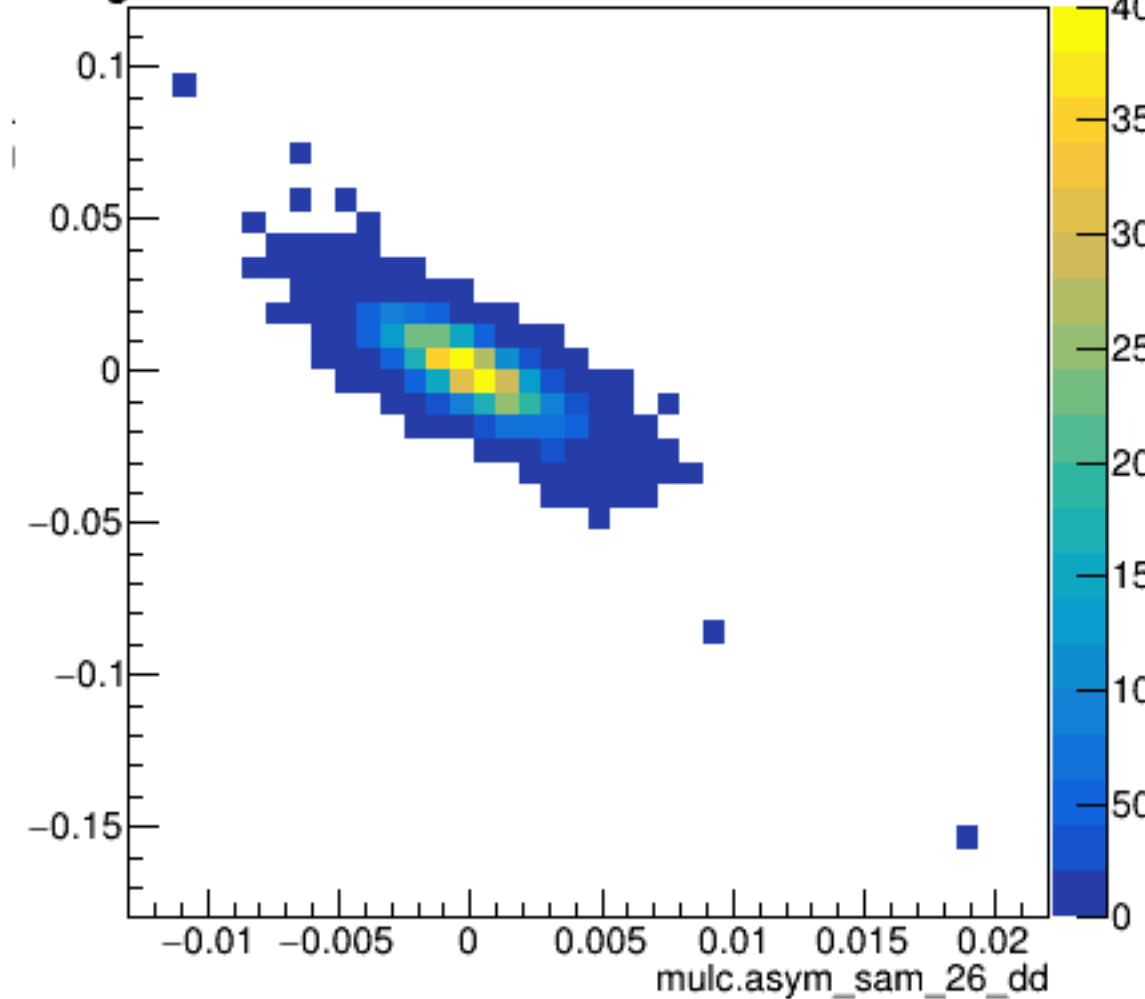
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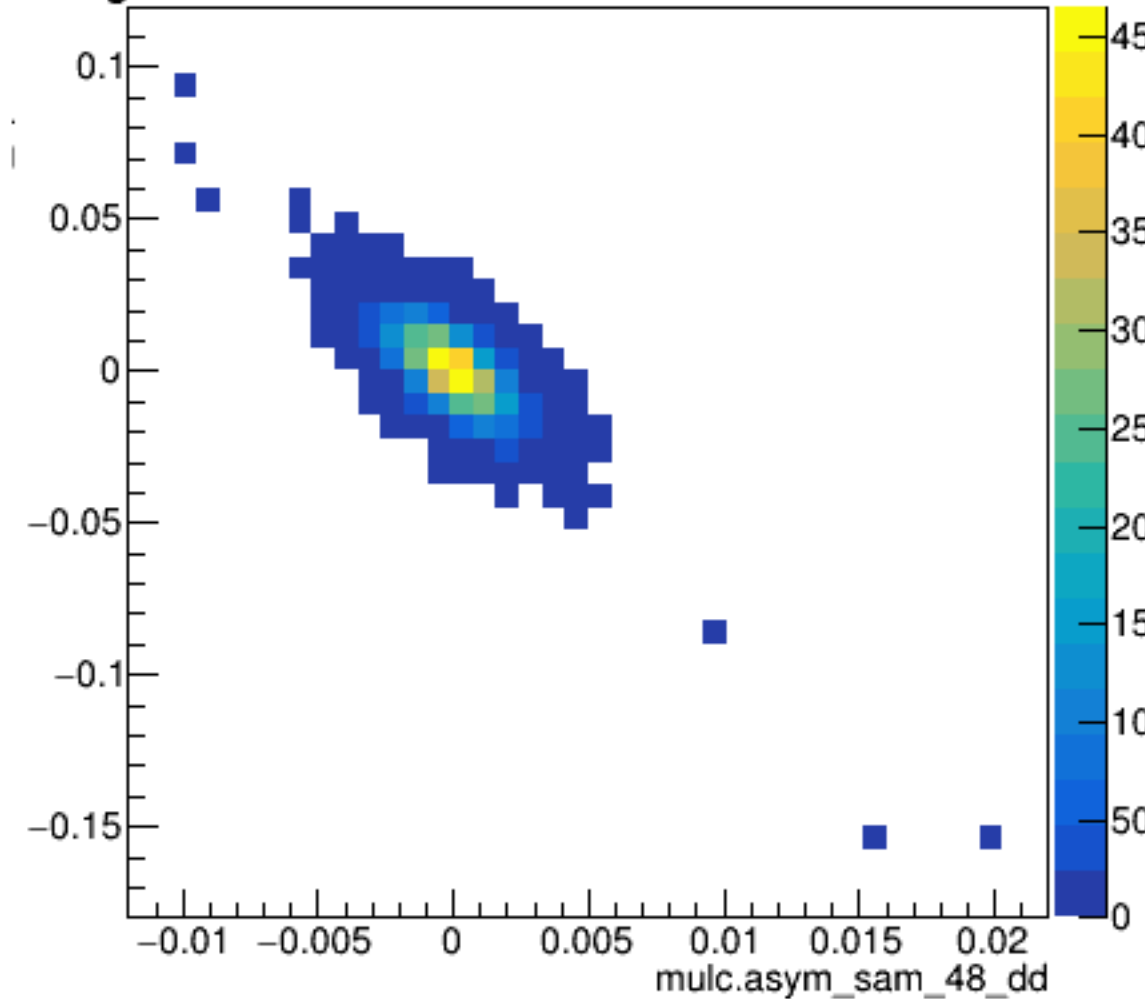
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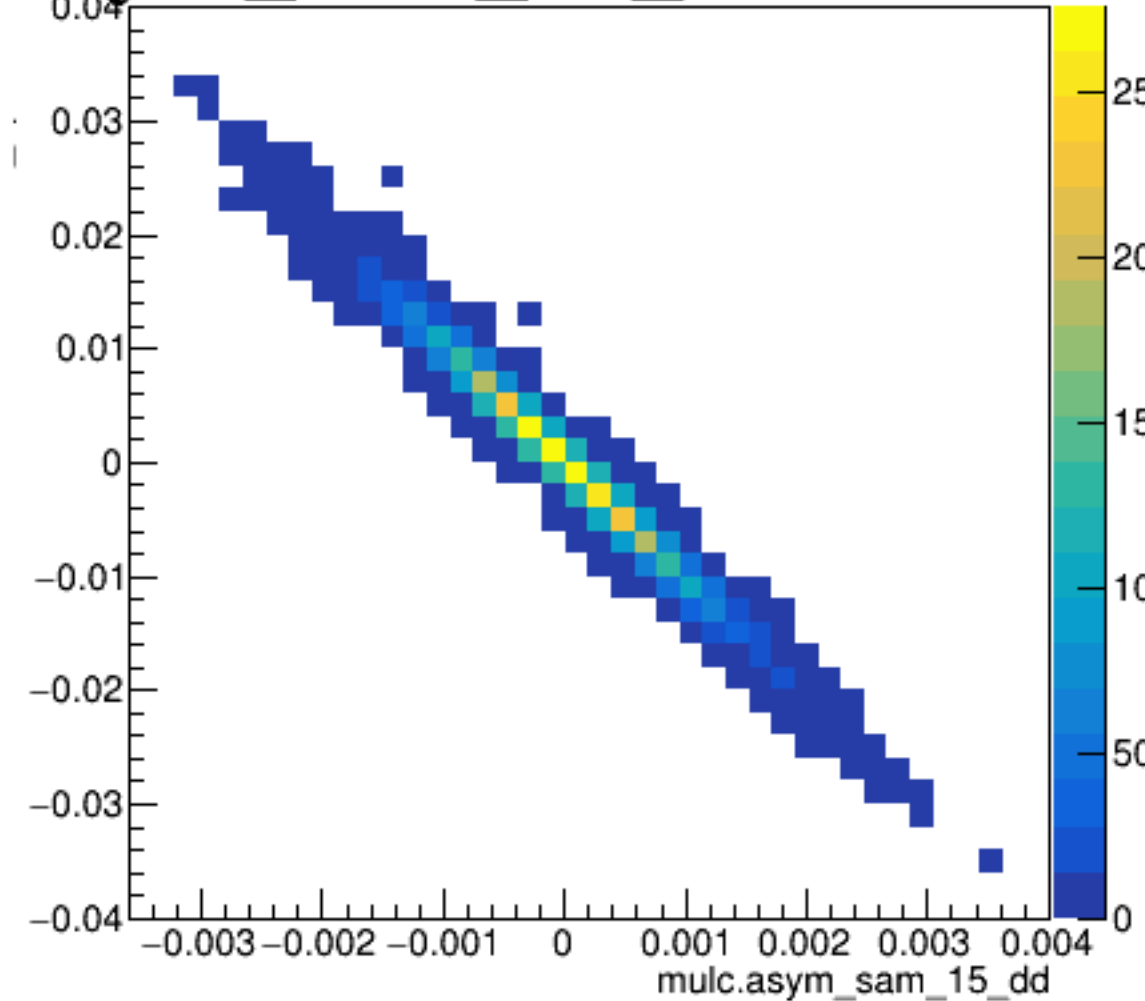


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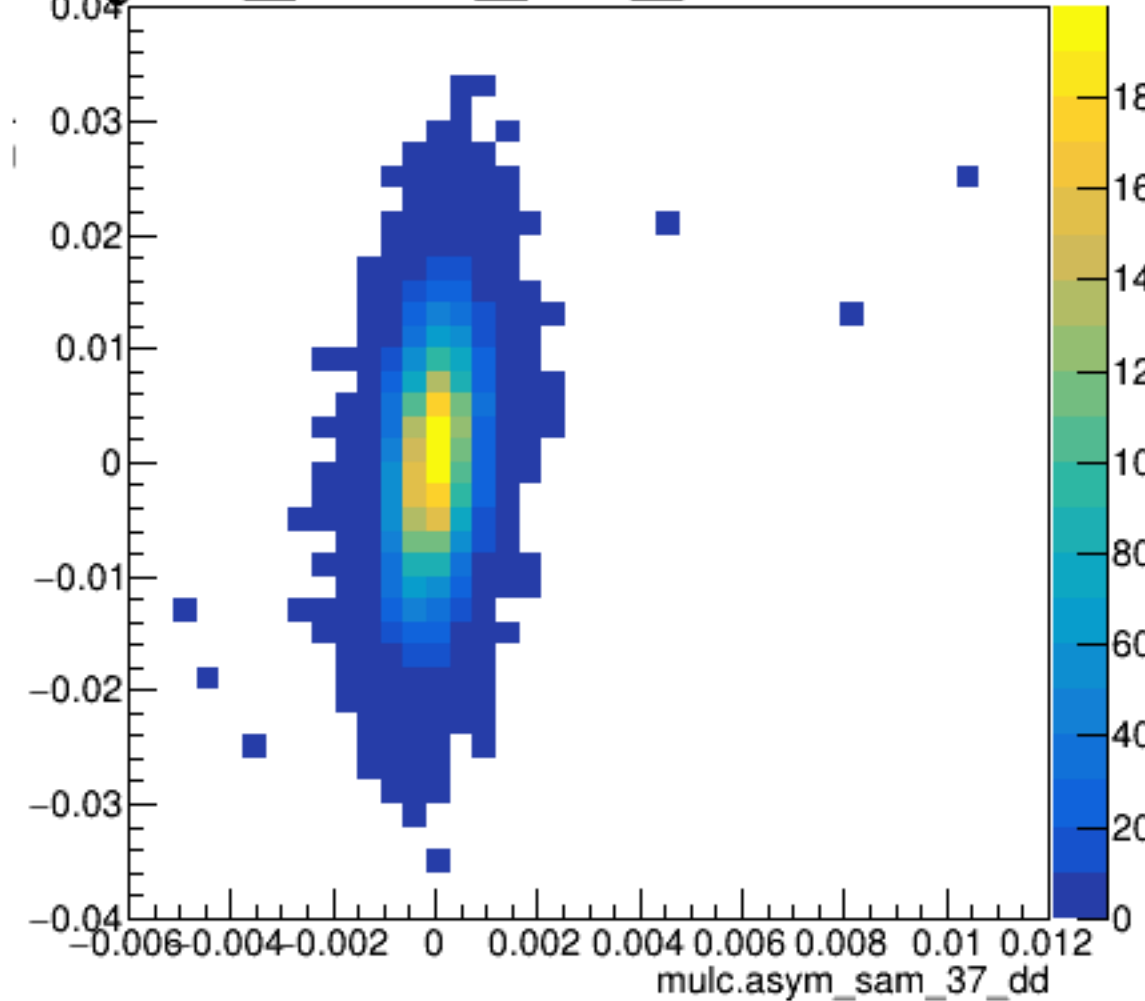


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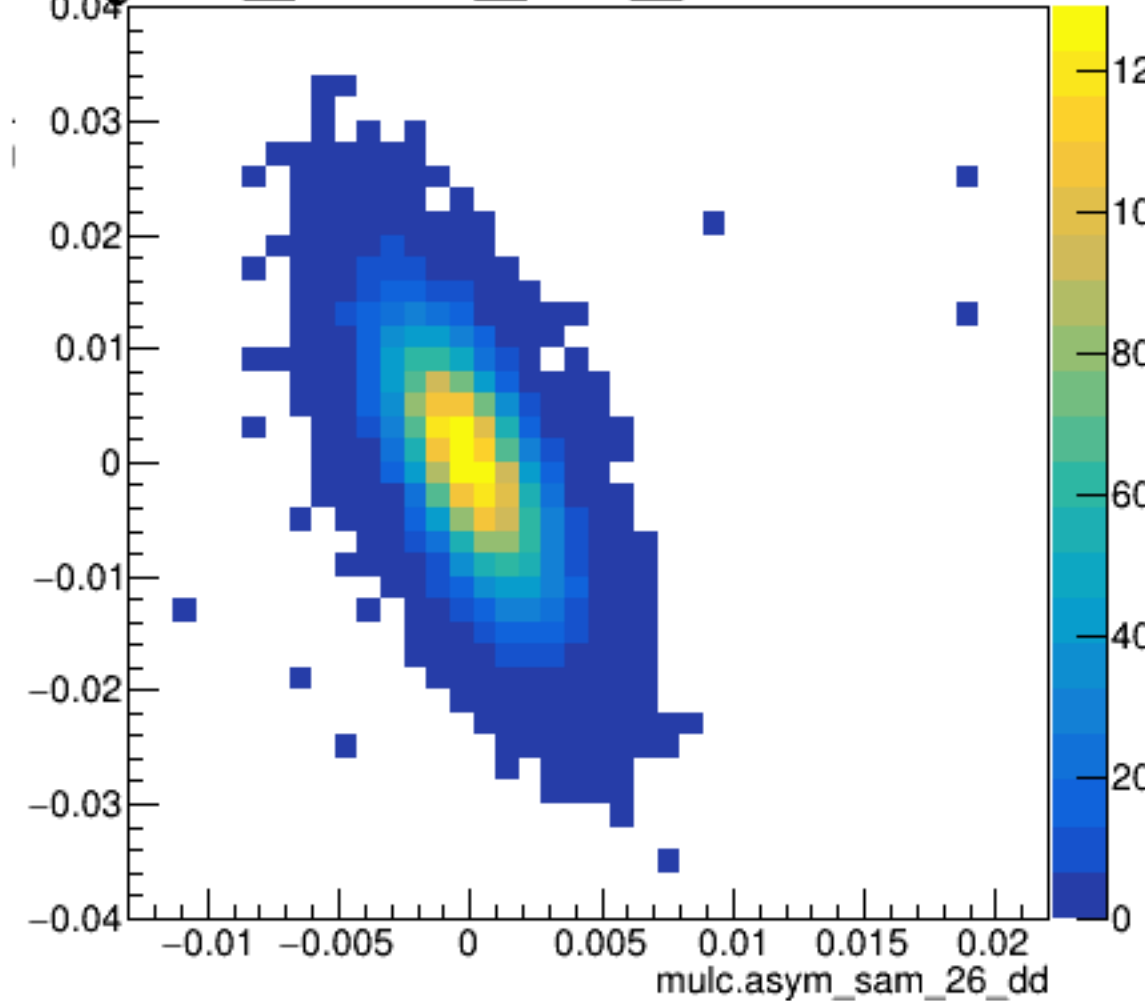
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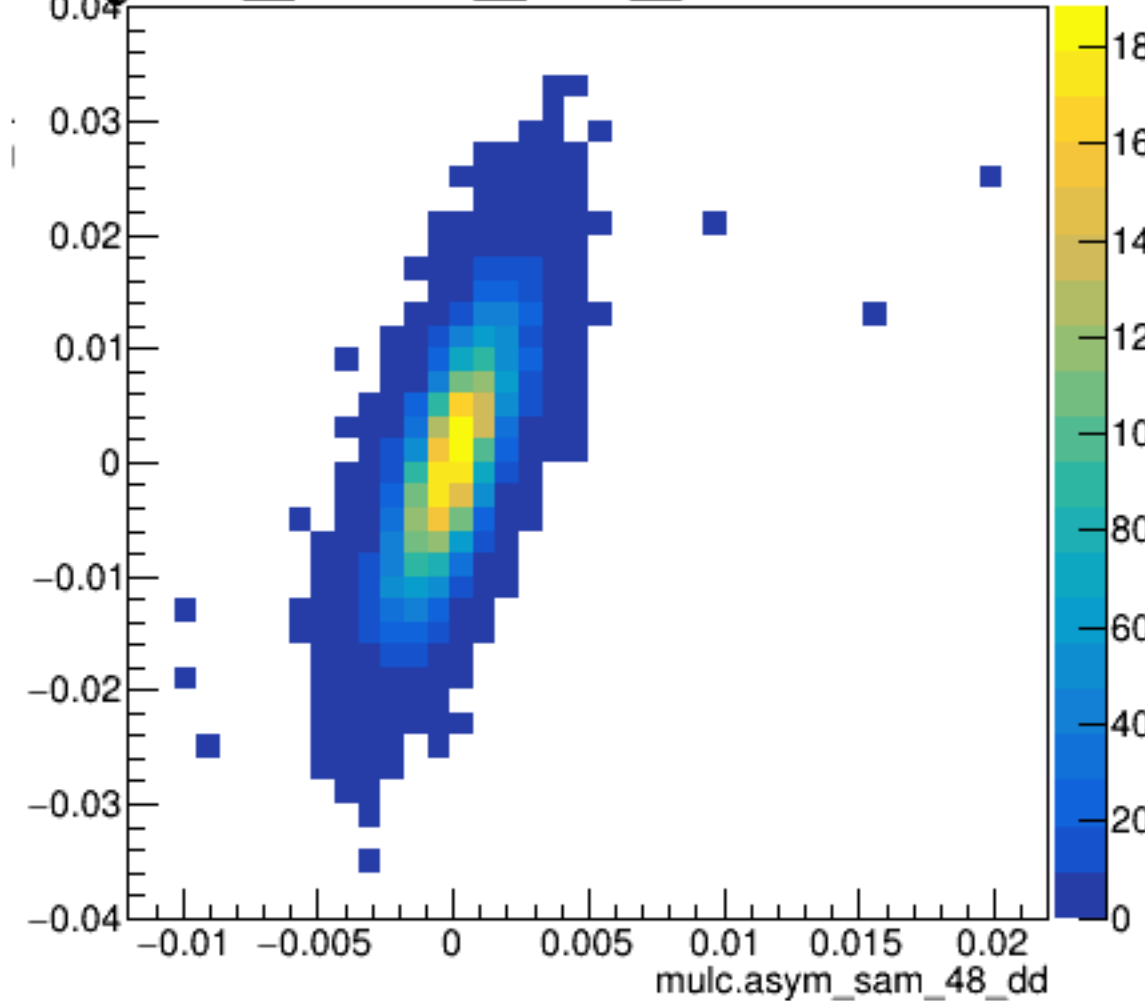
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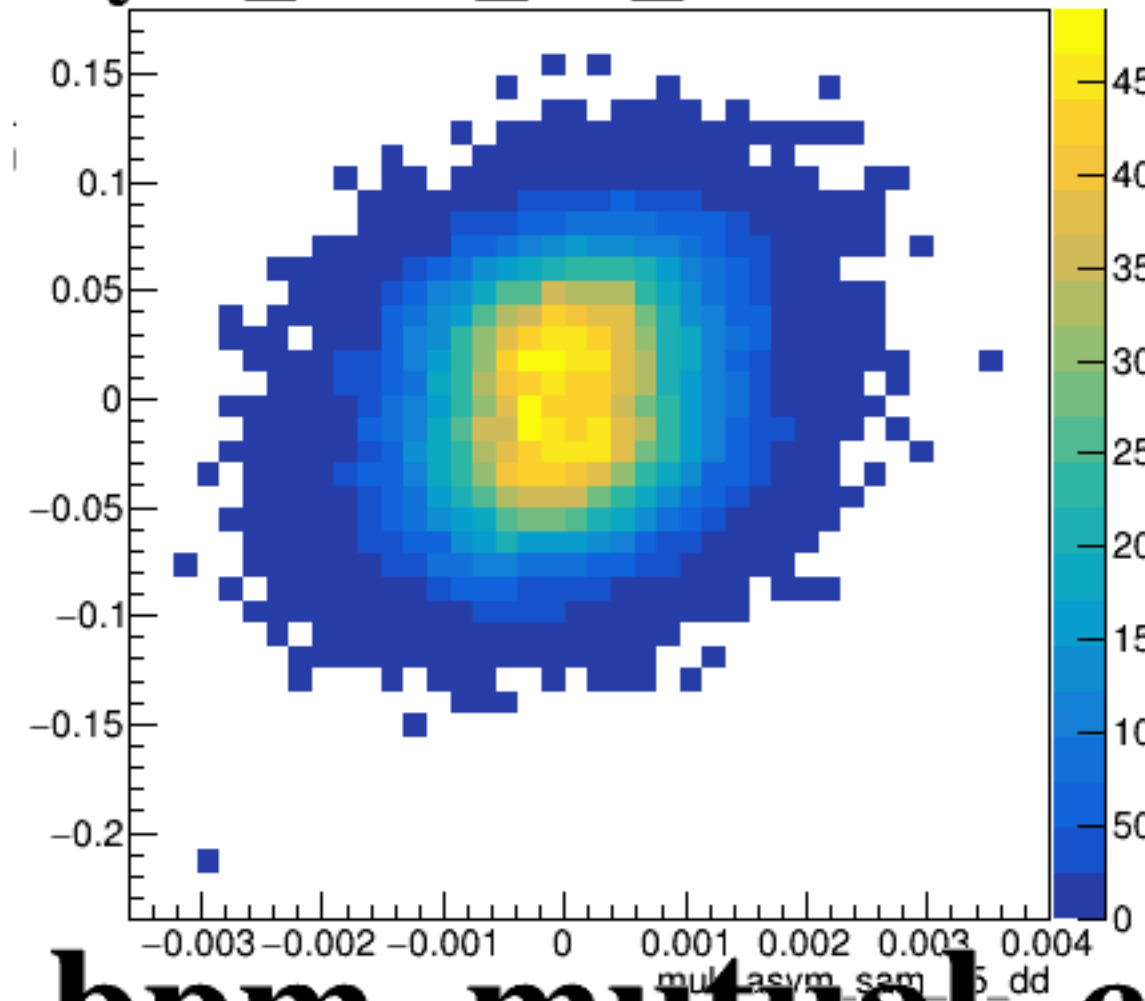


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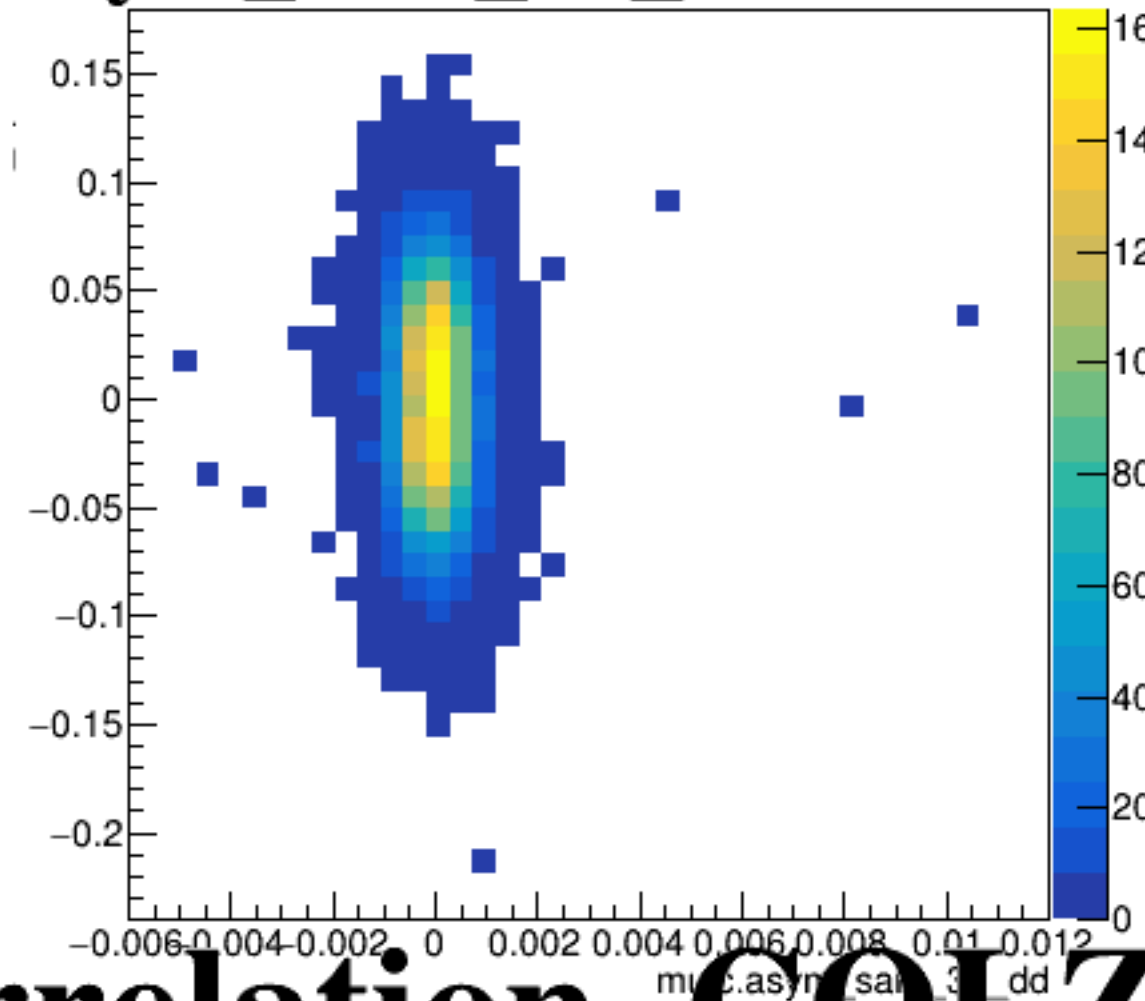


diff_bpm12X

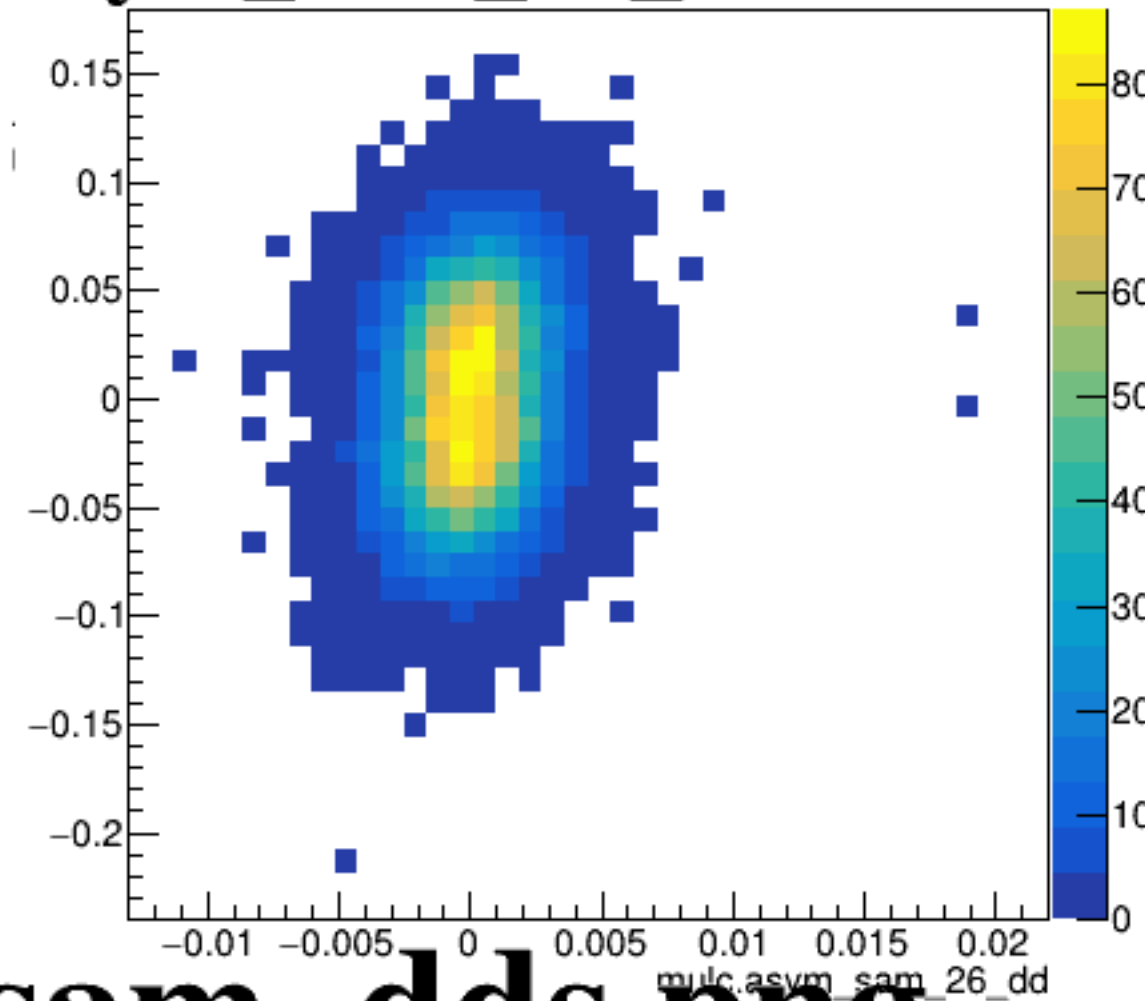
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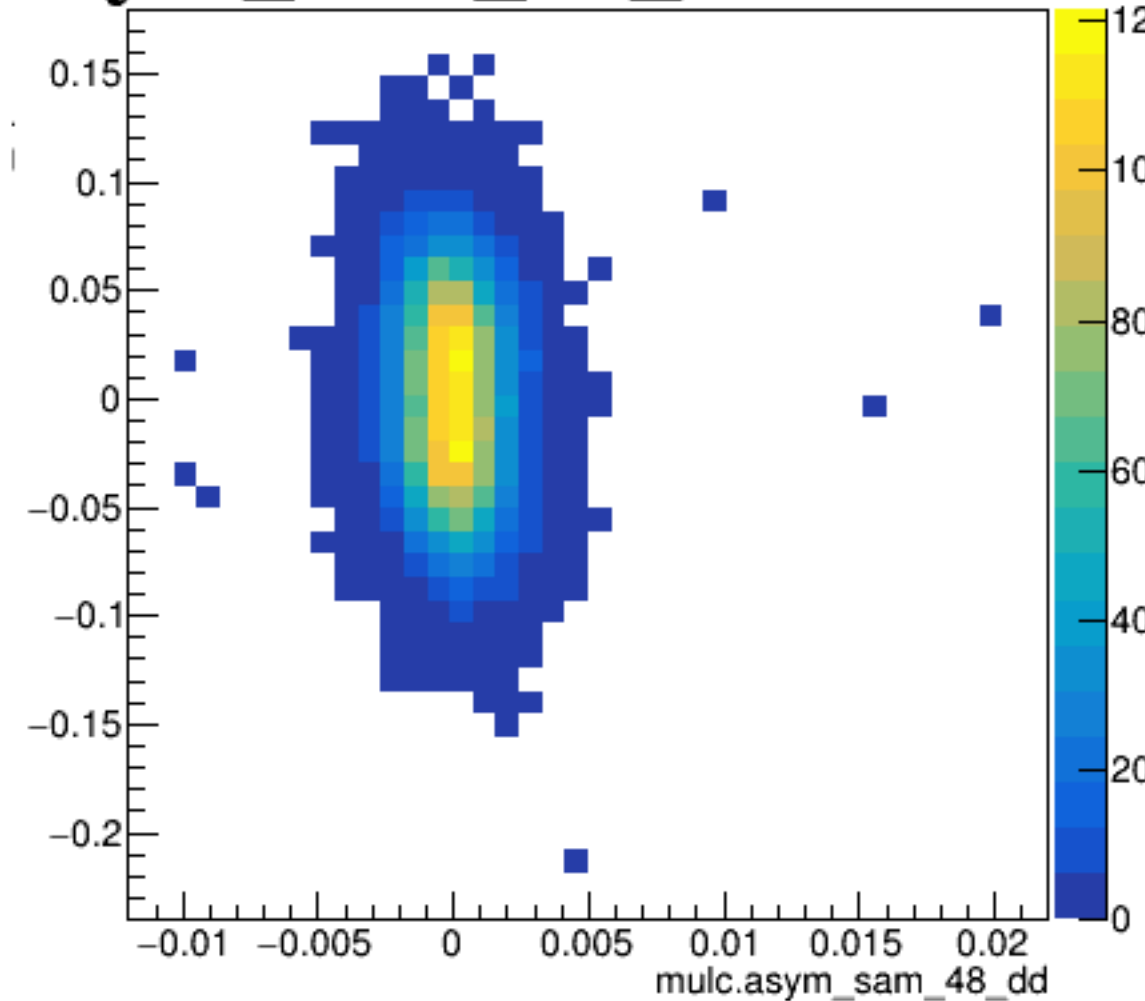
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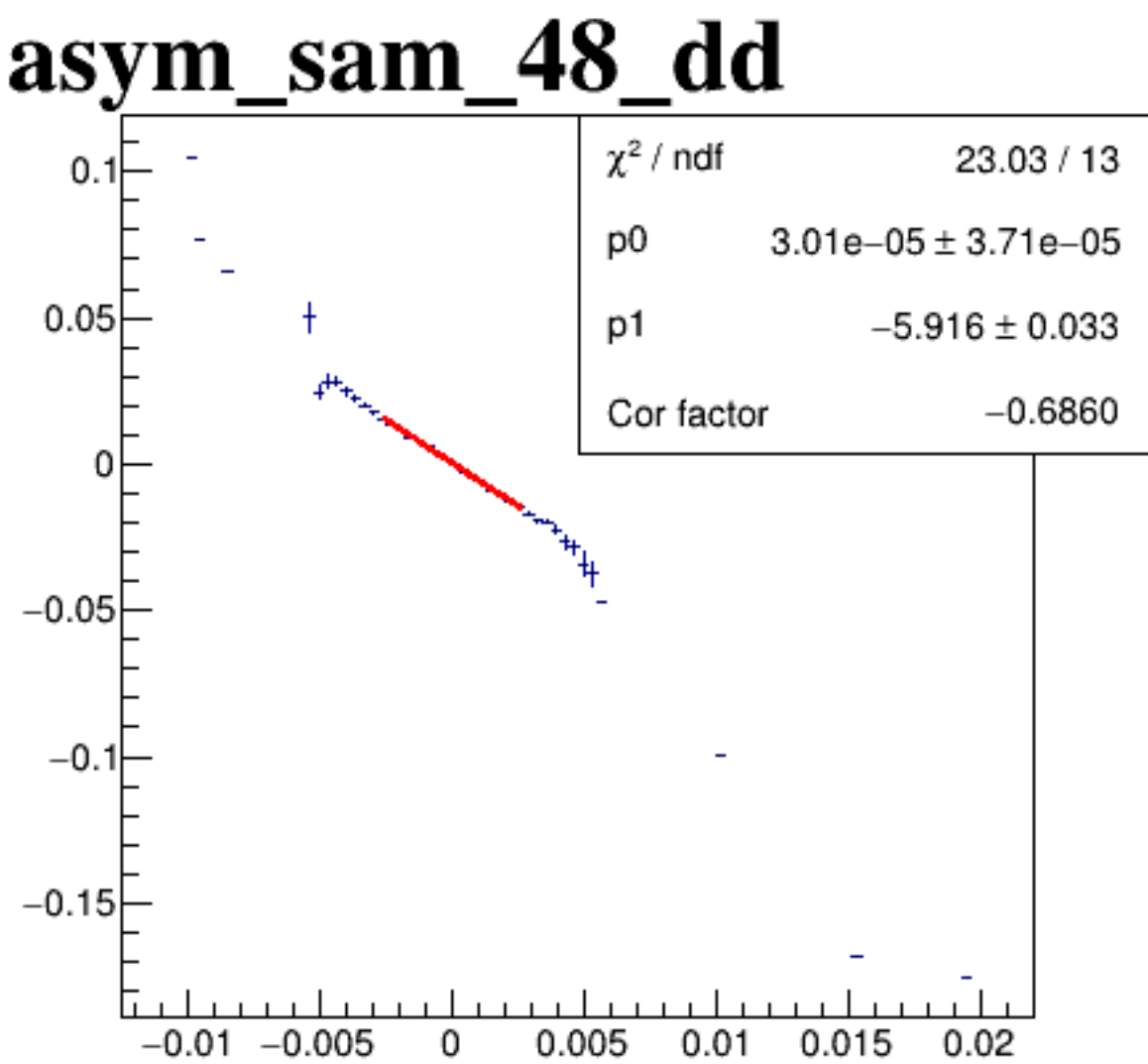
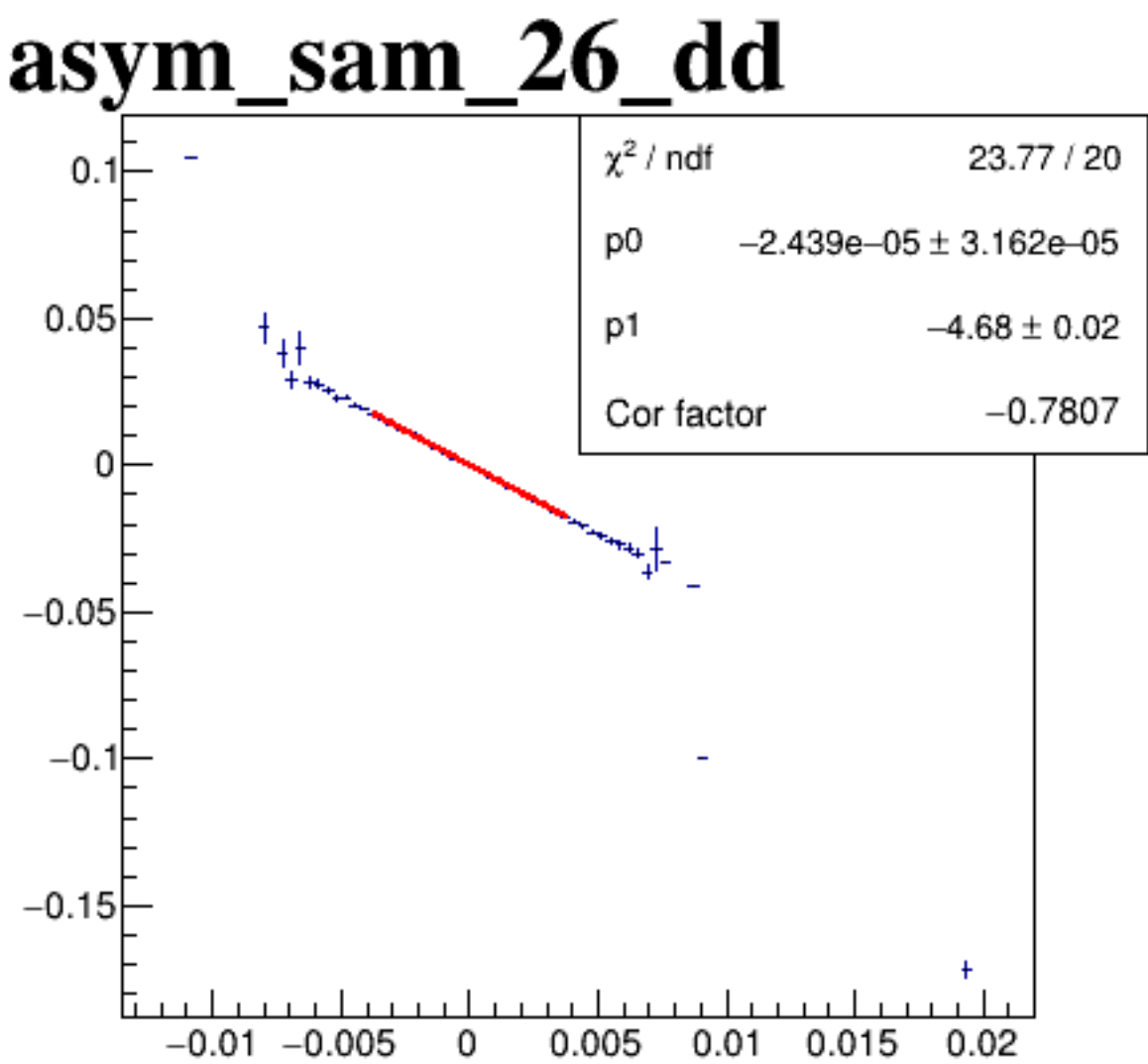
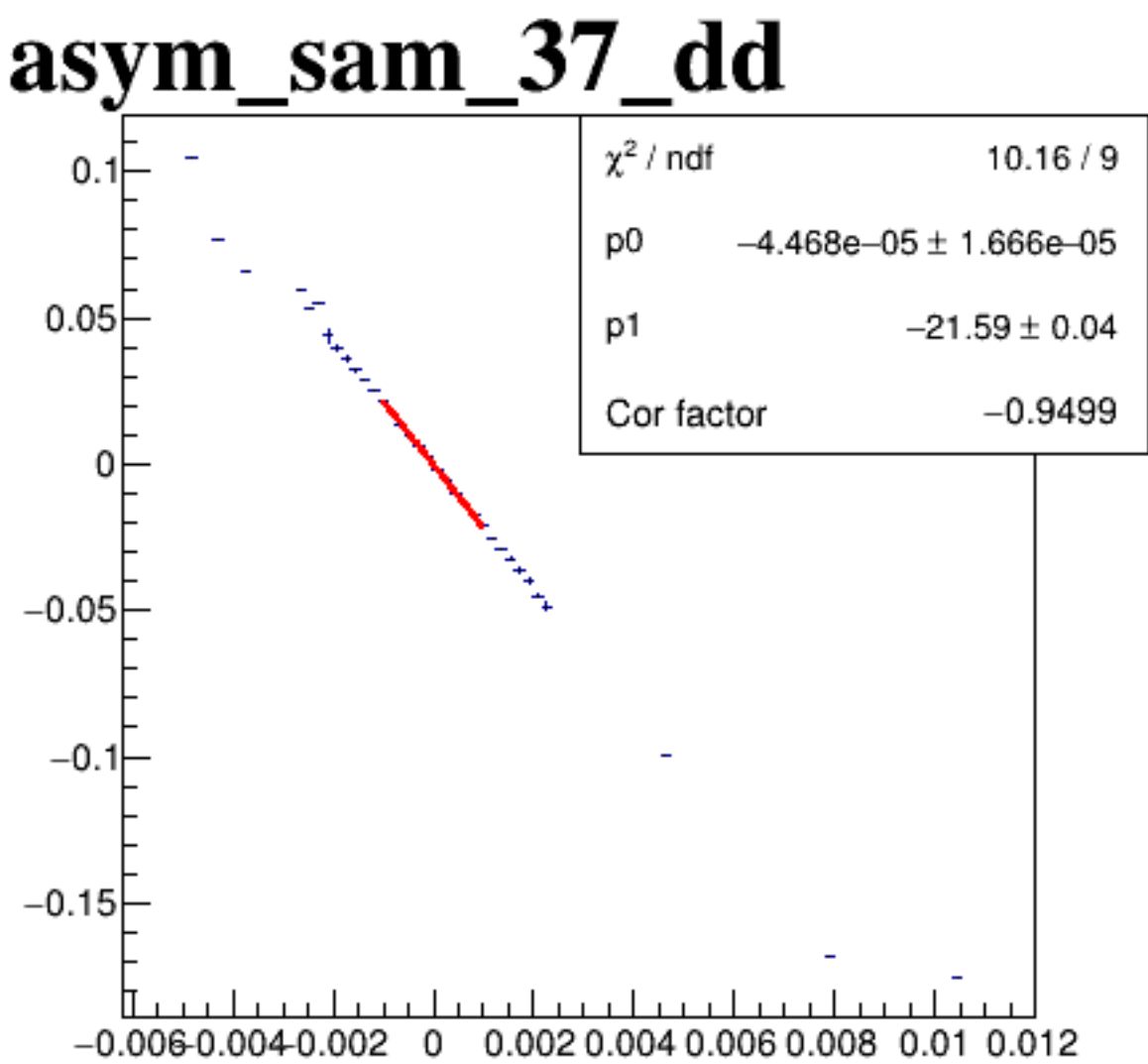
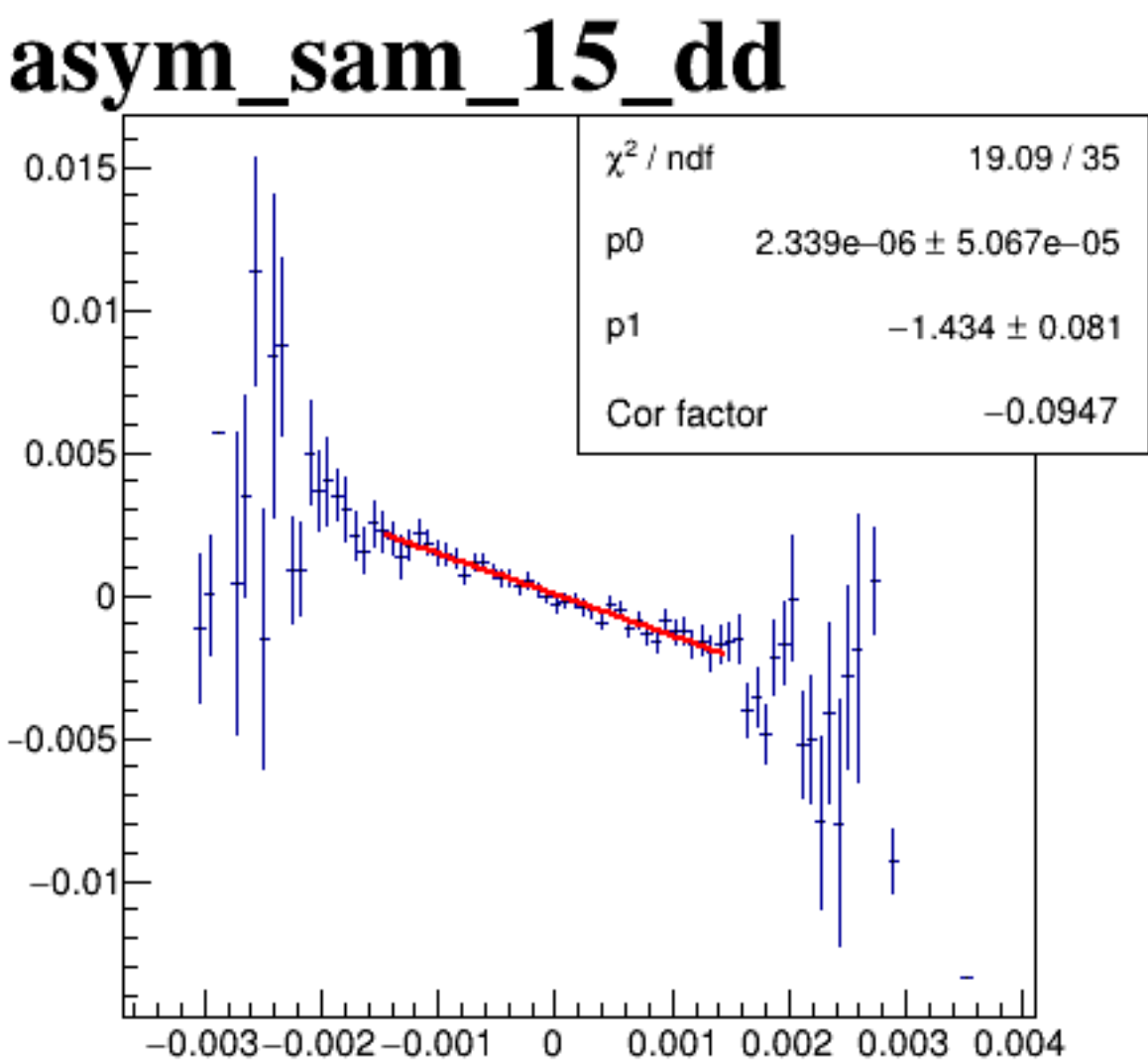
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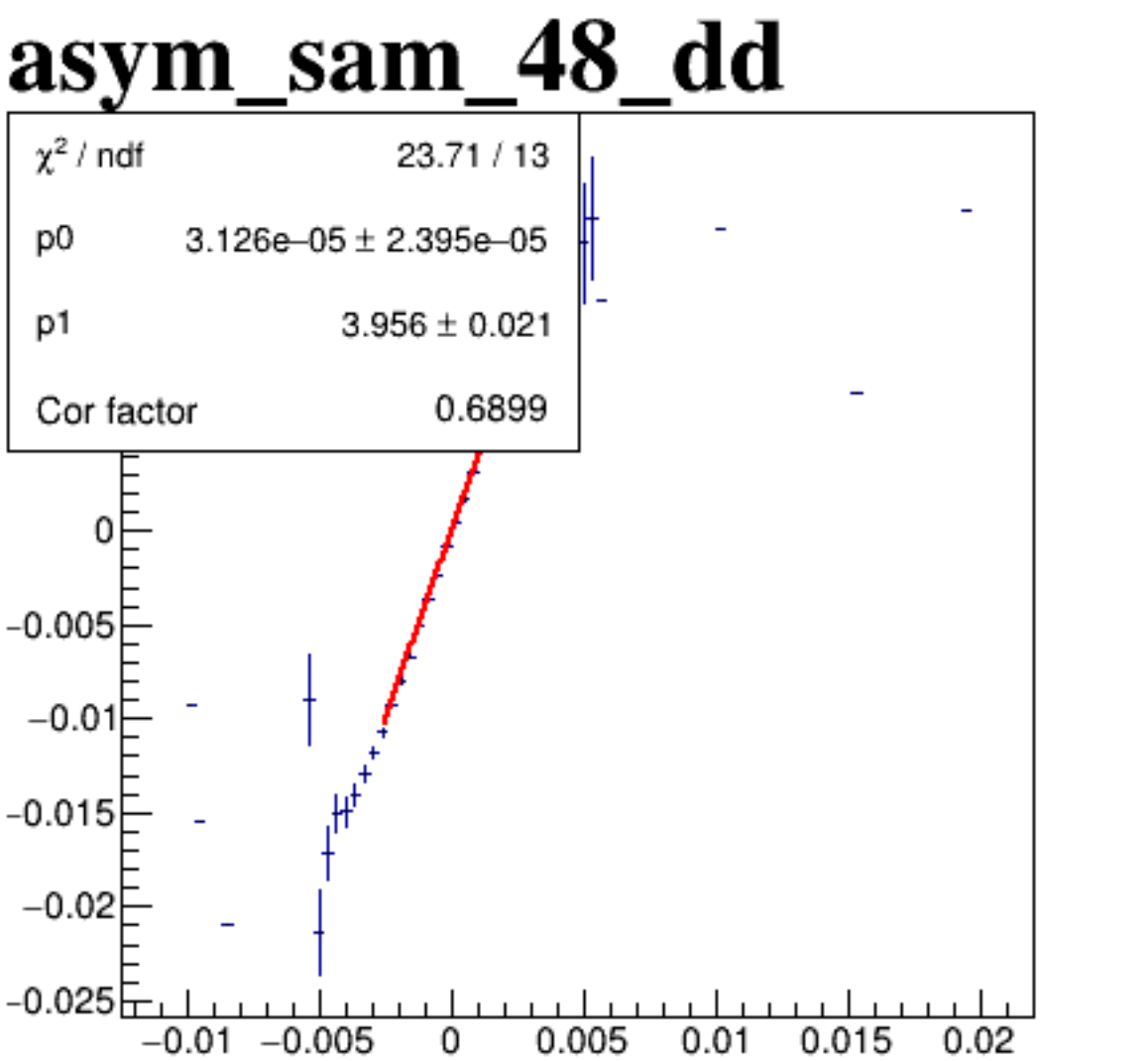
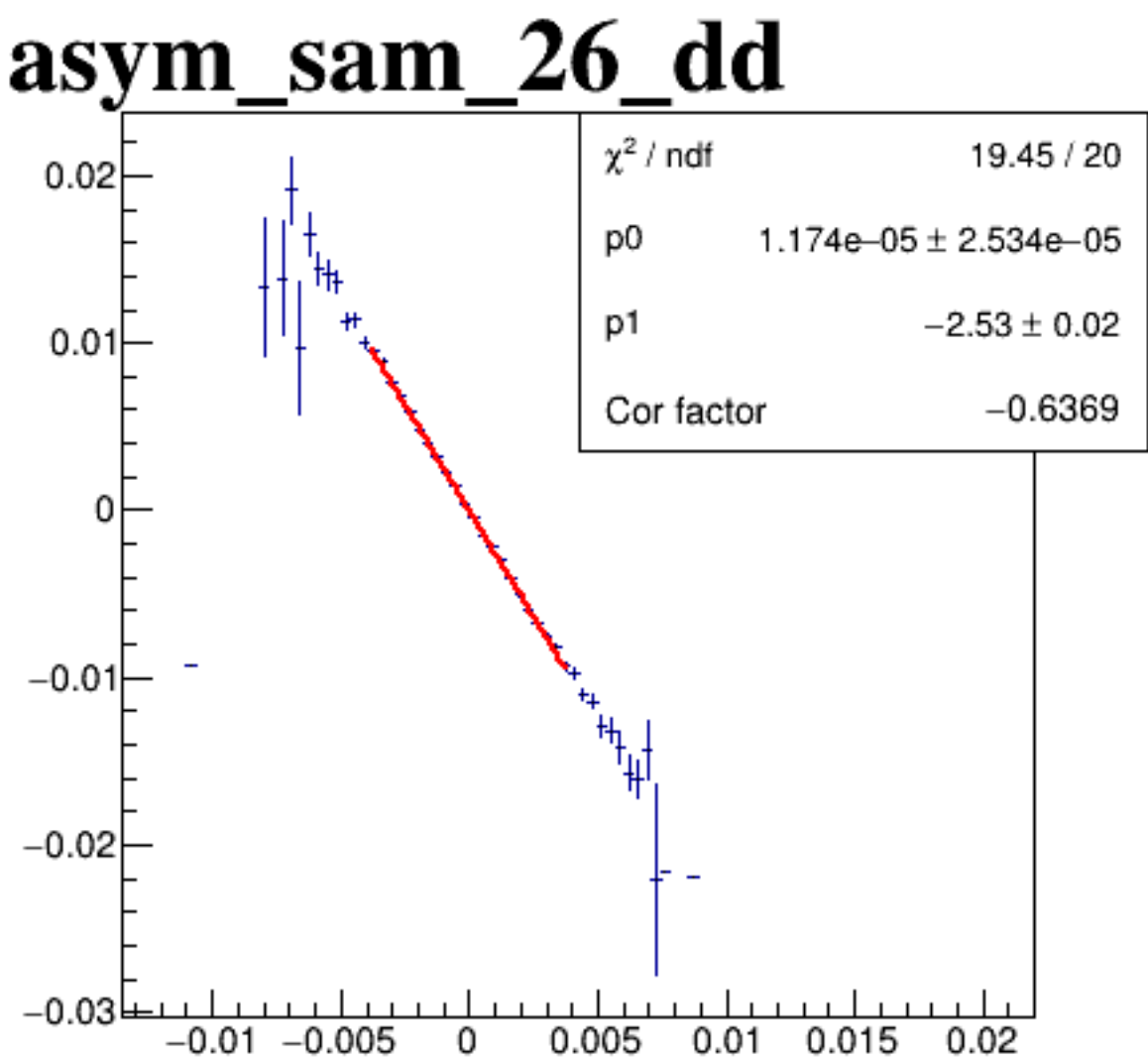
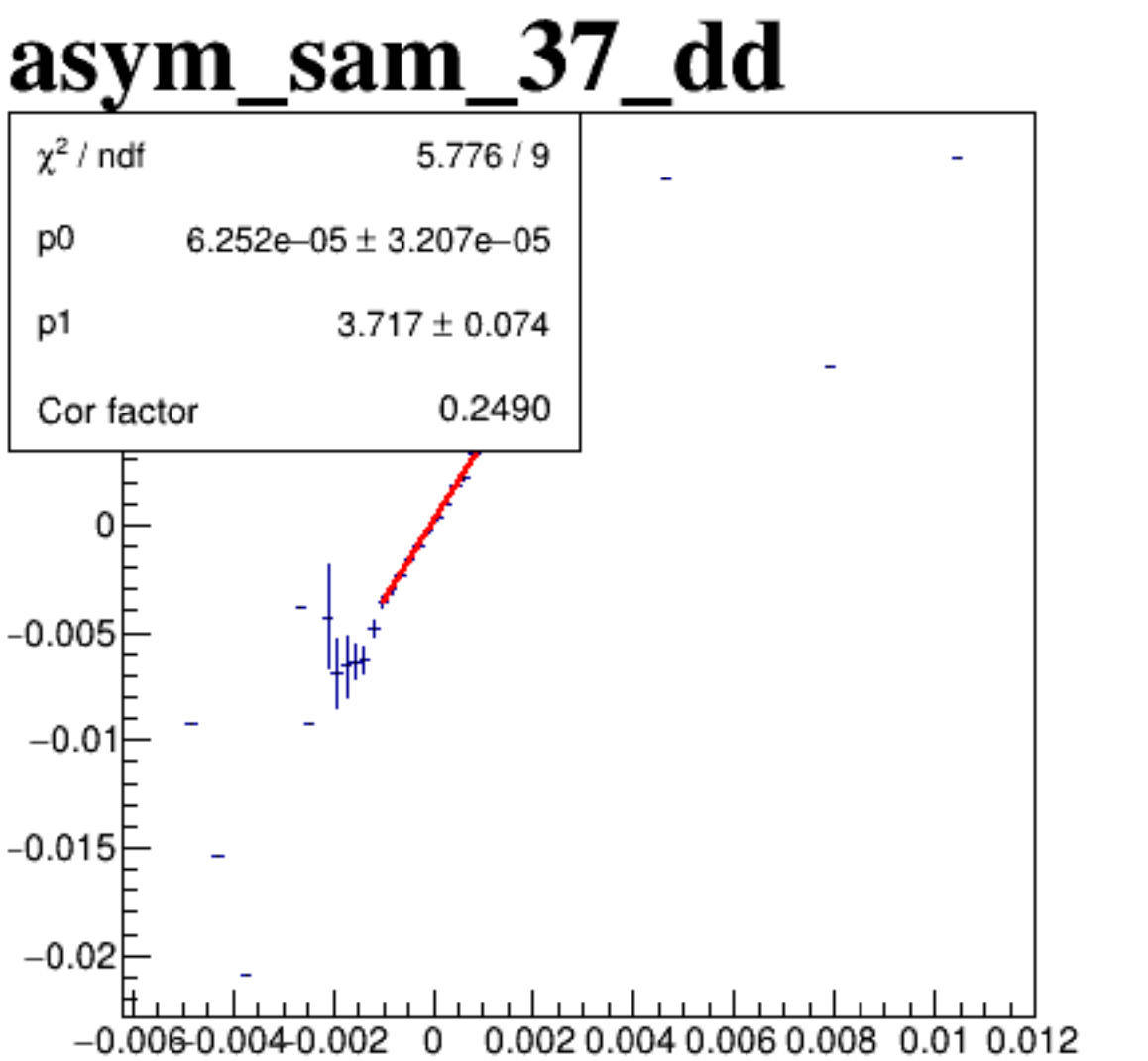
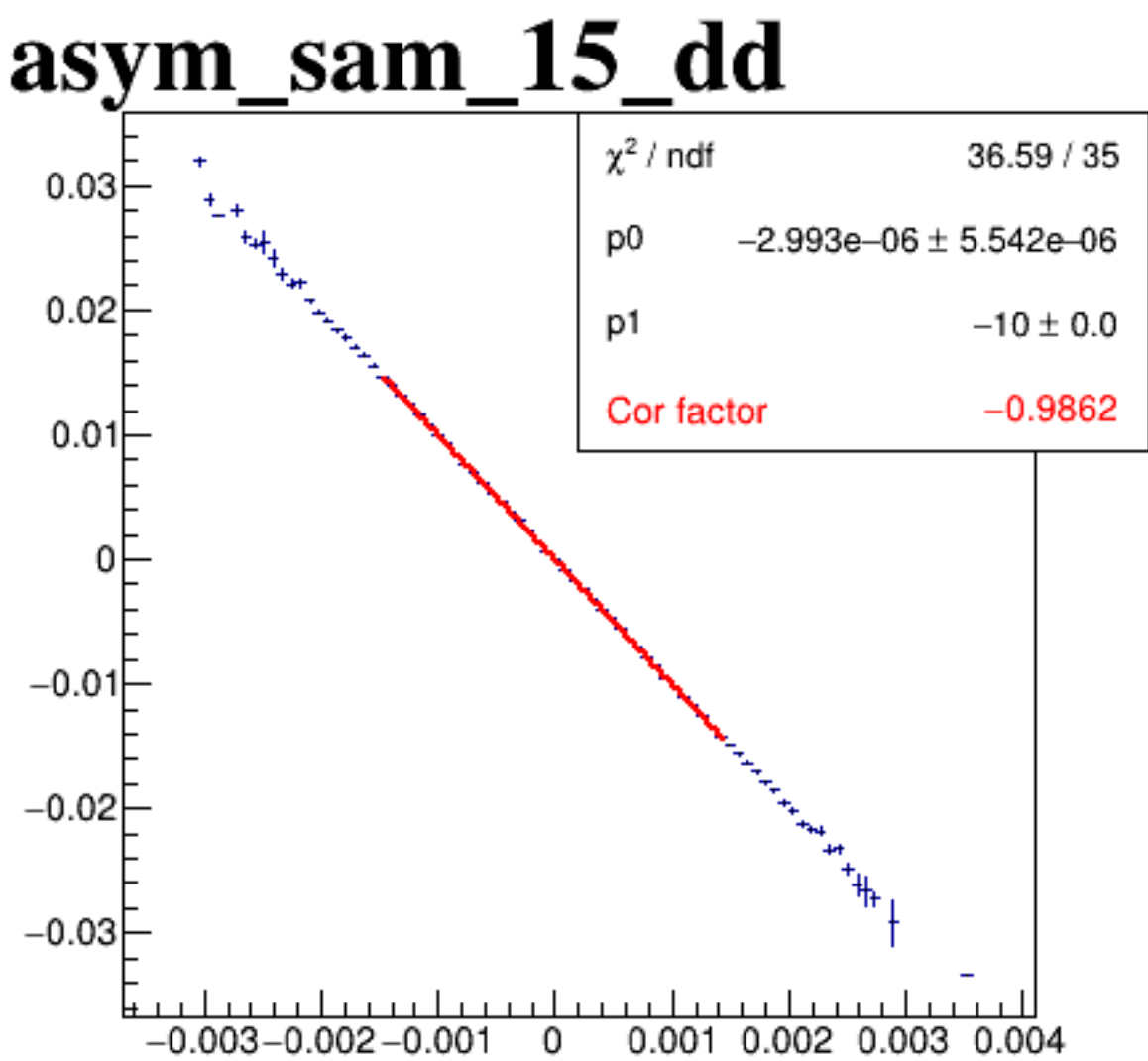
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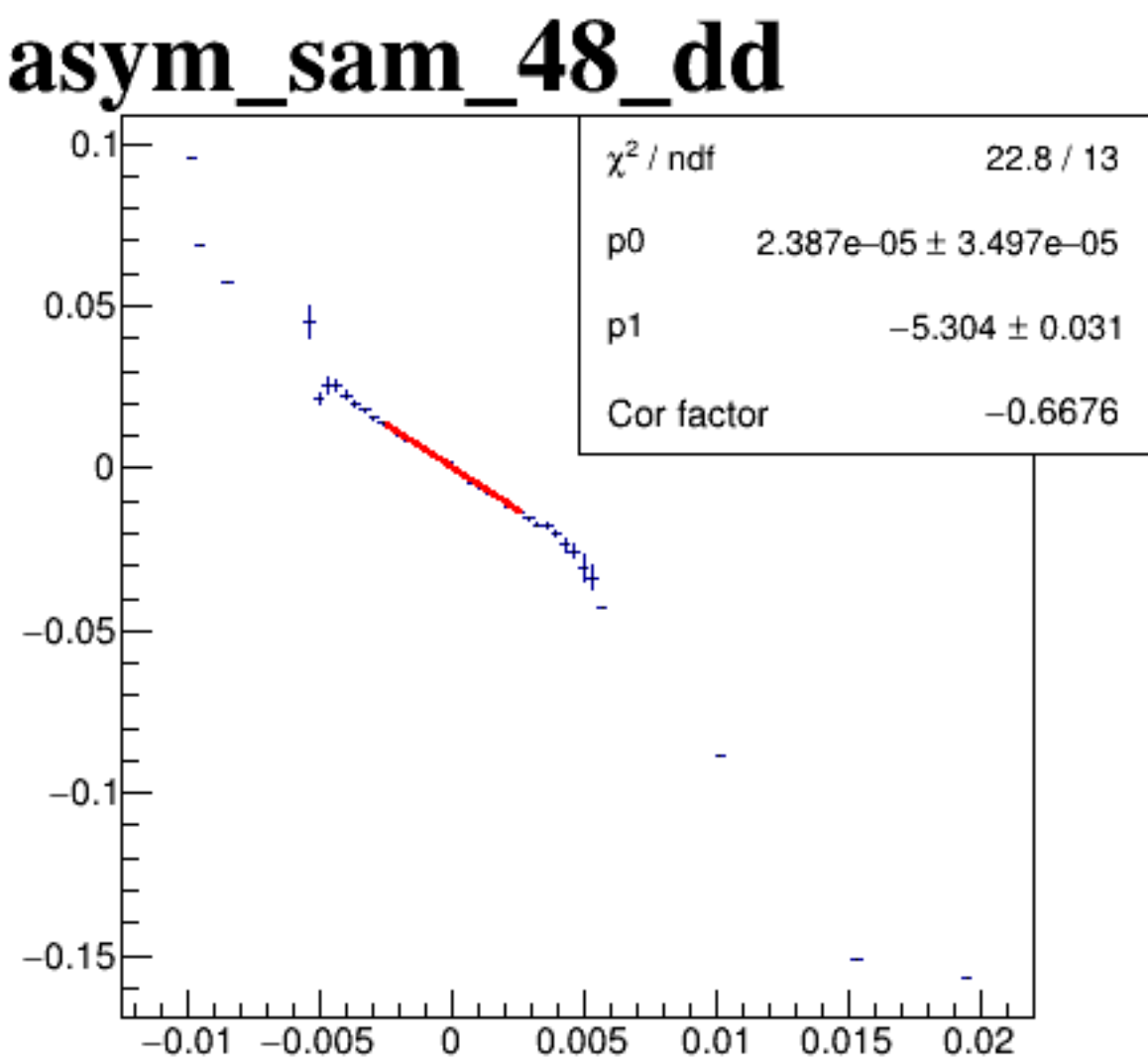
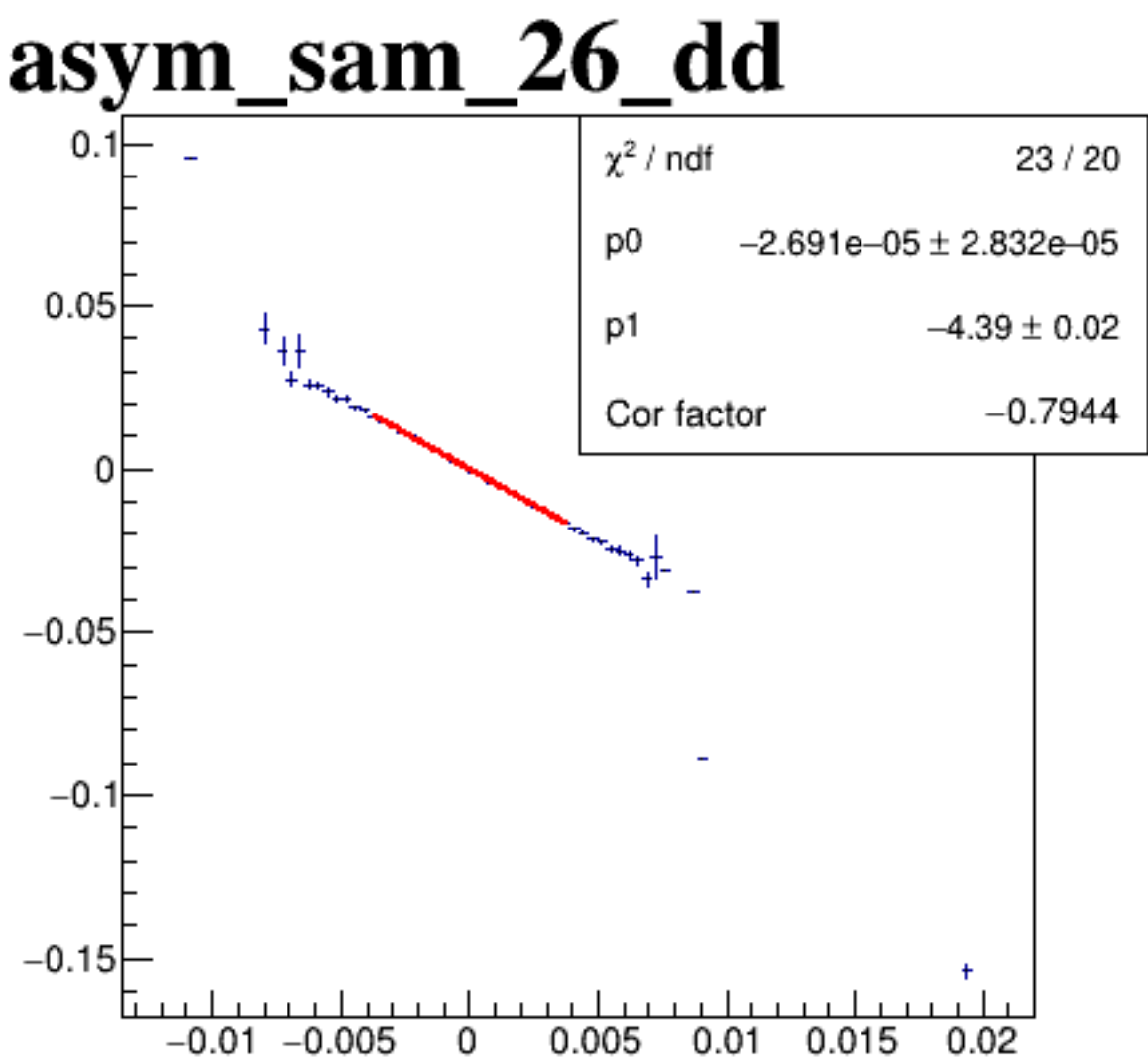
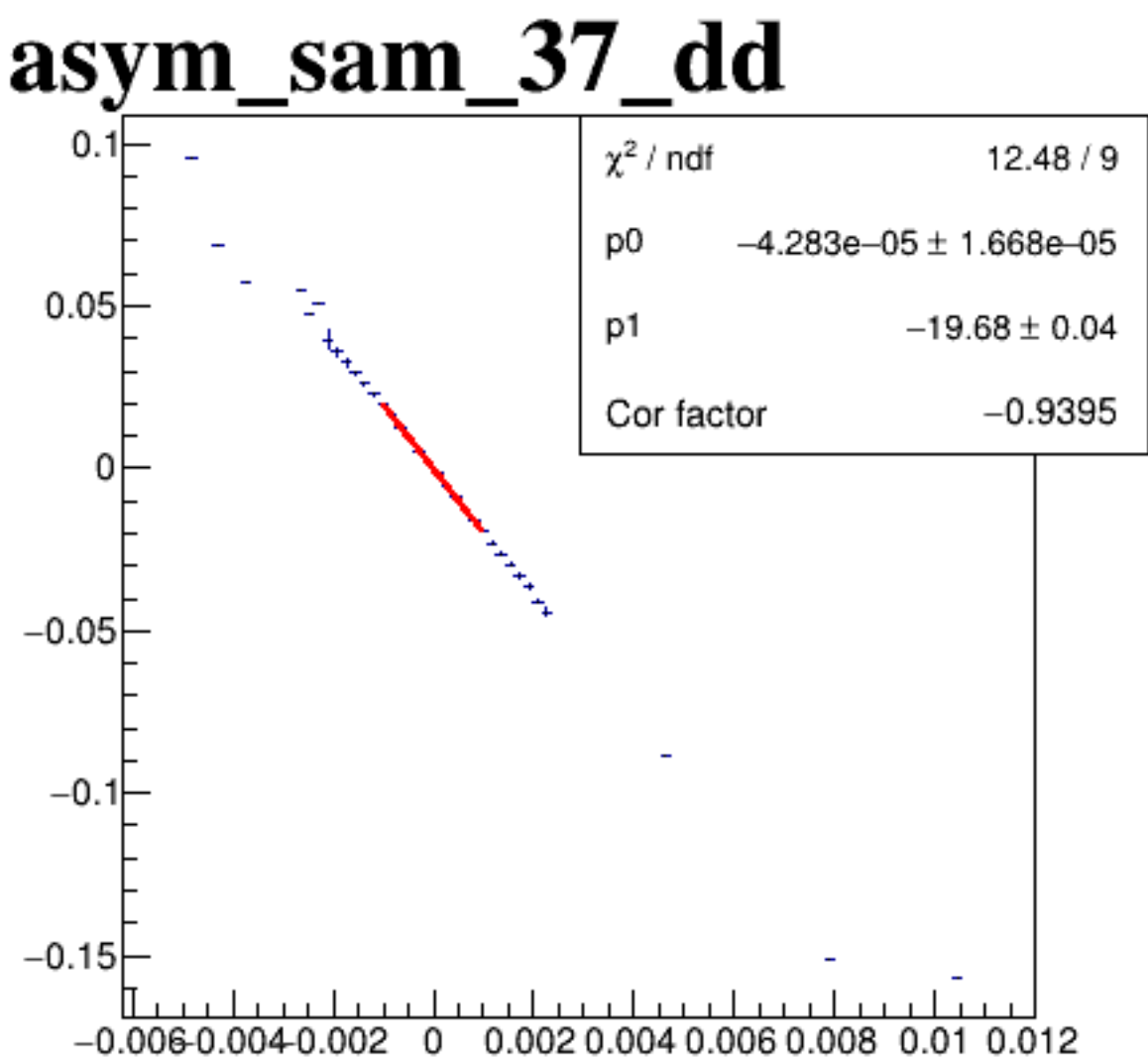
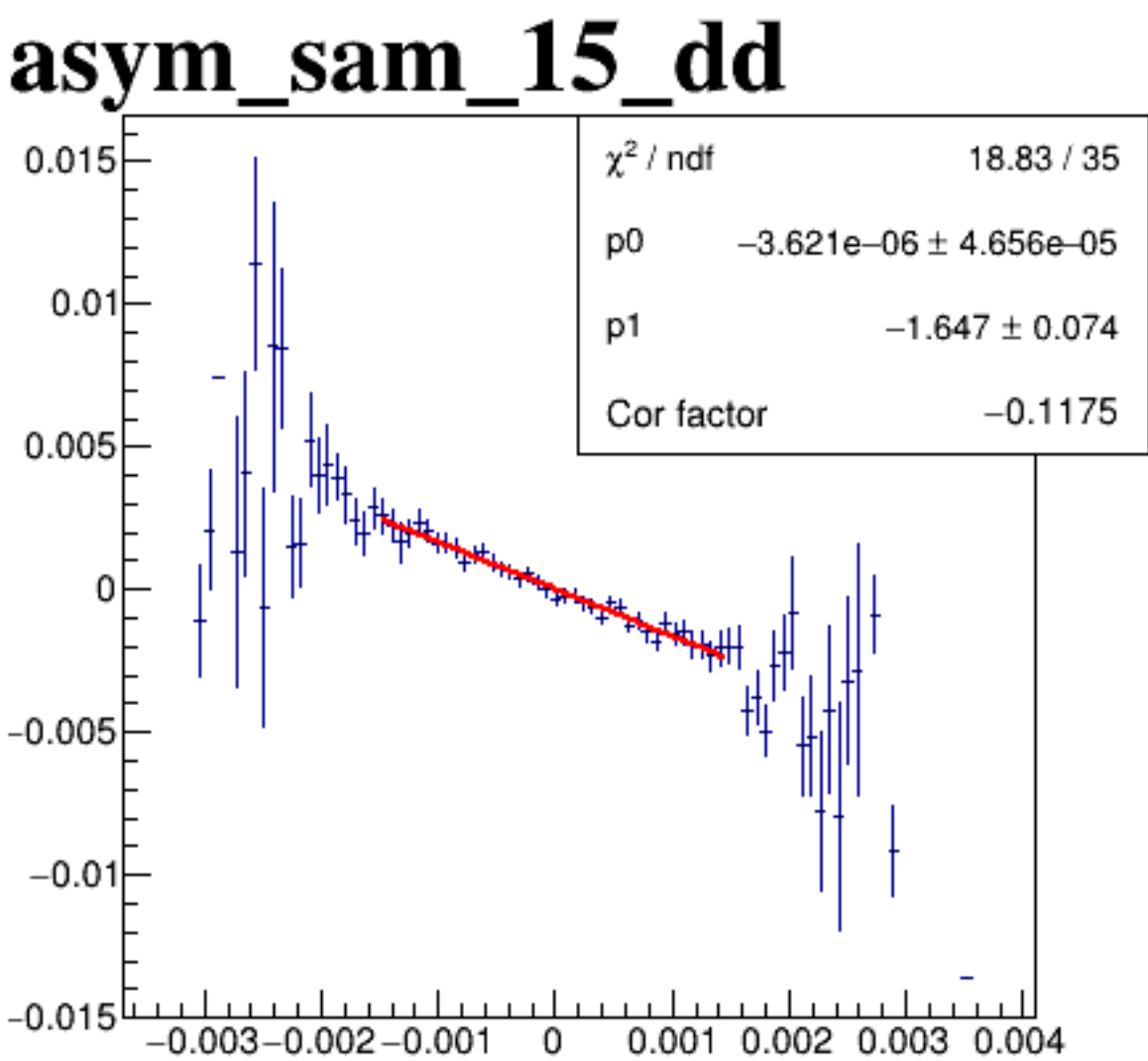
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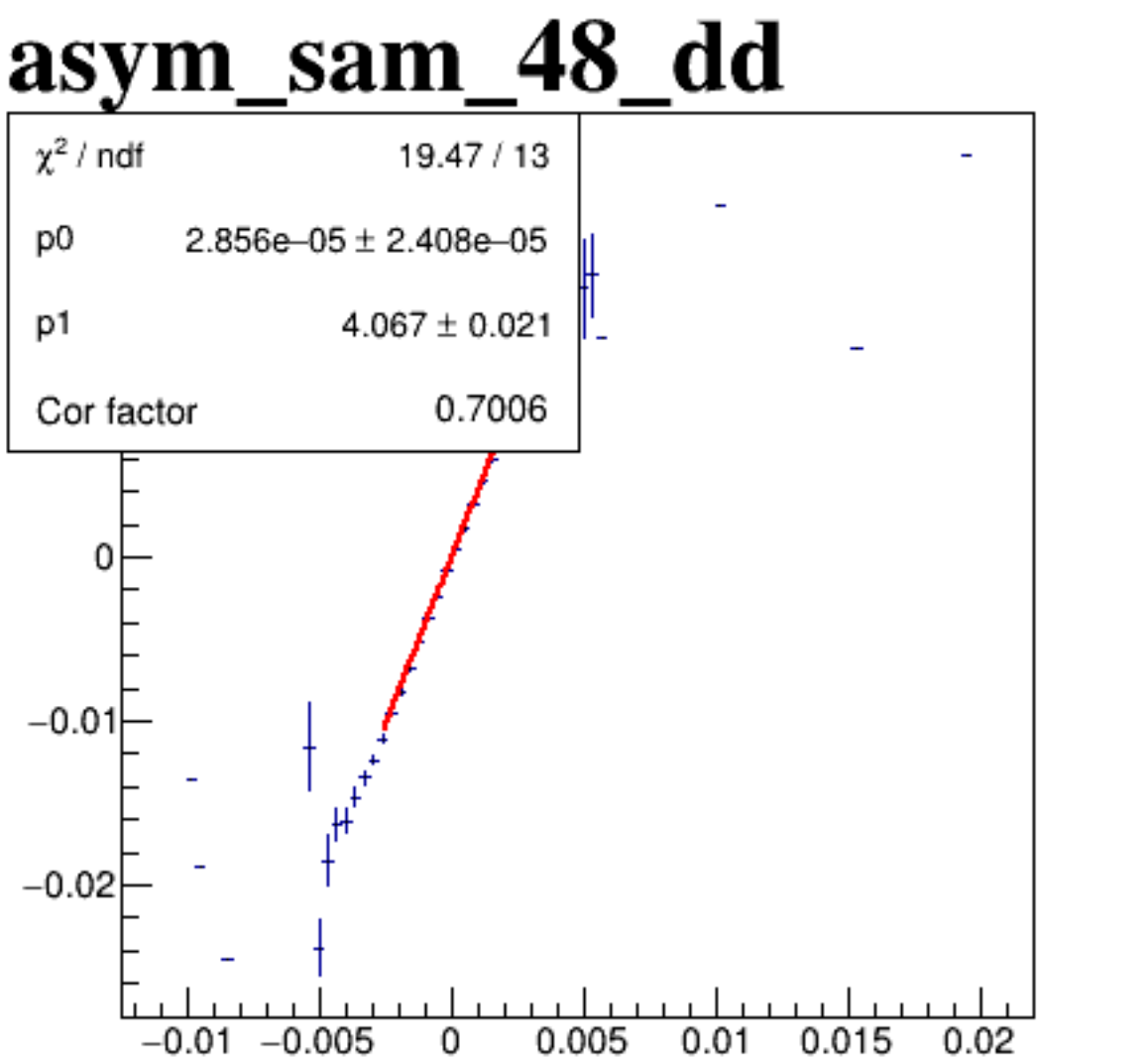
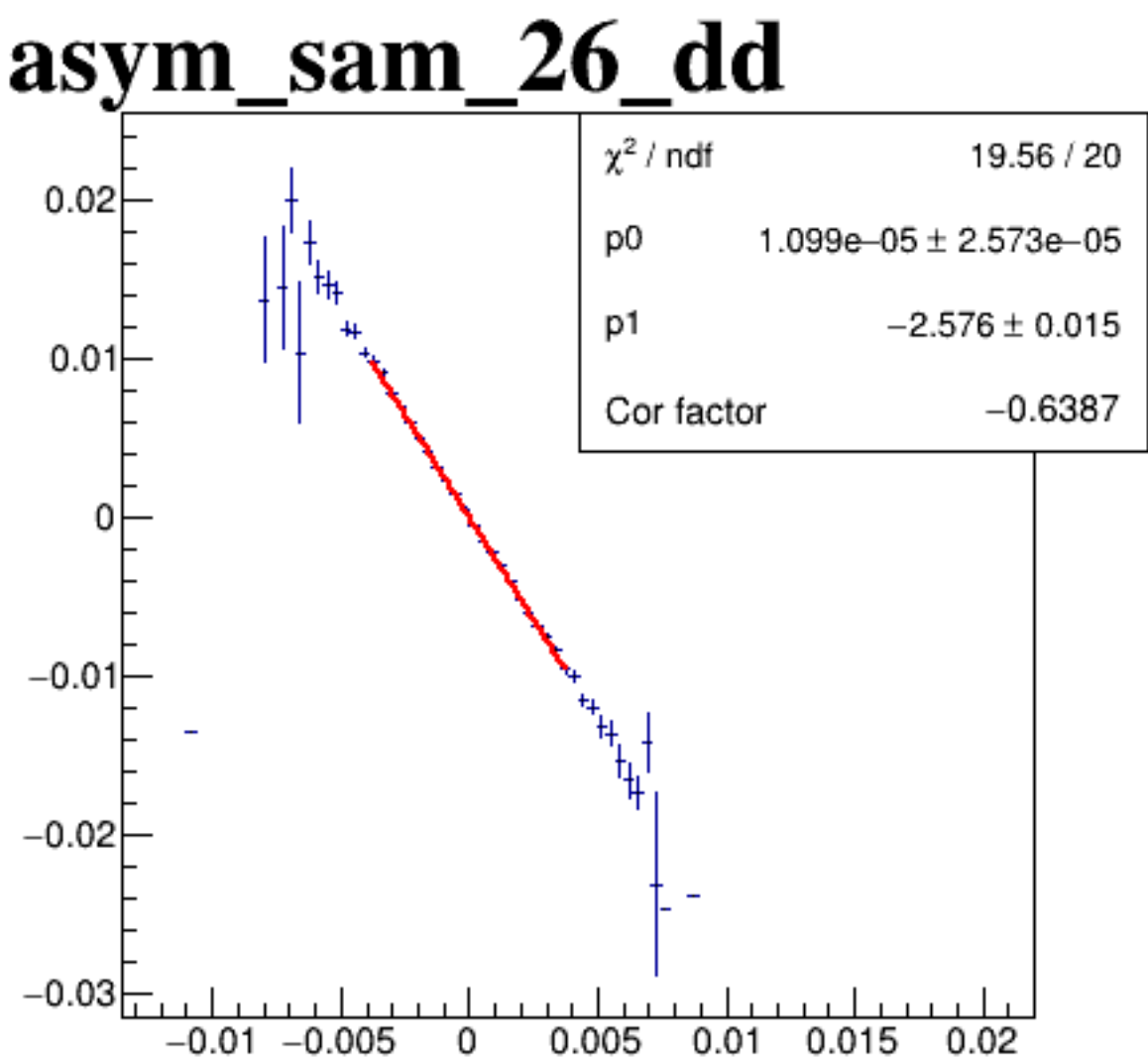
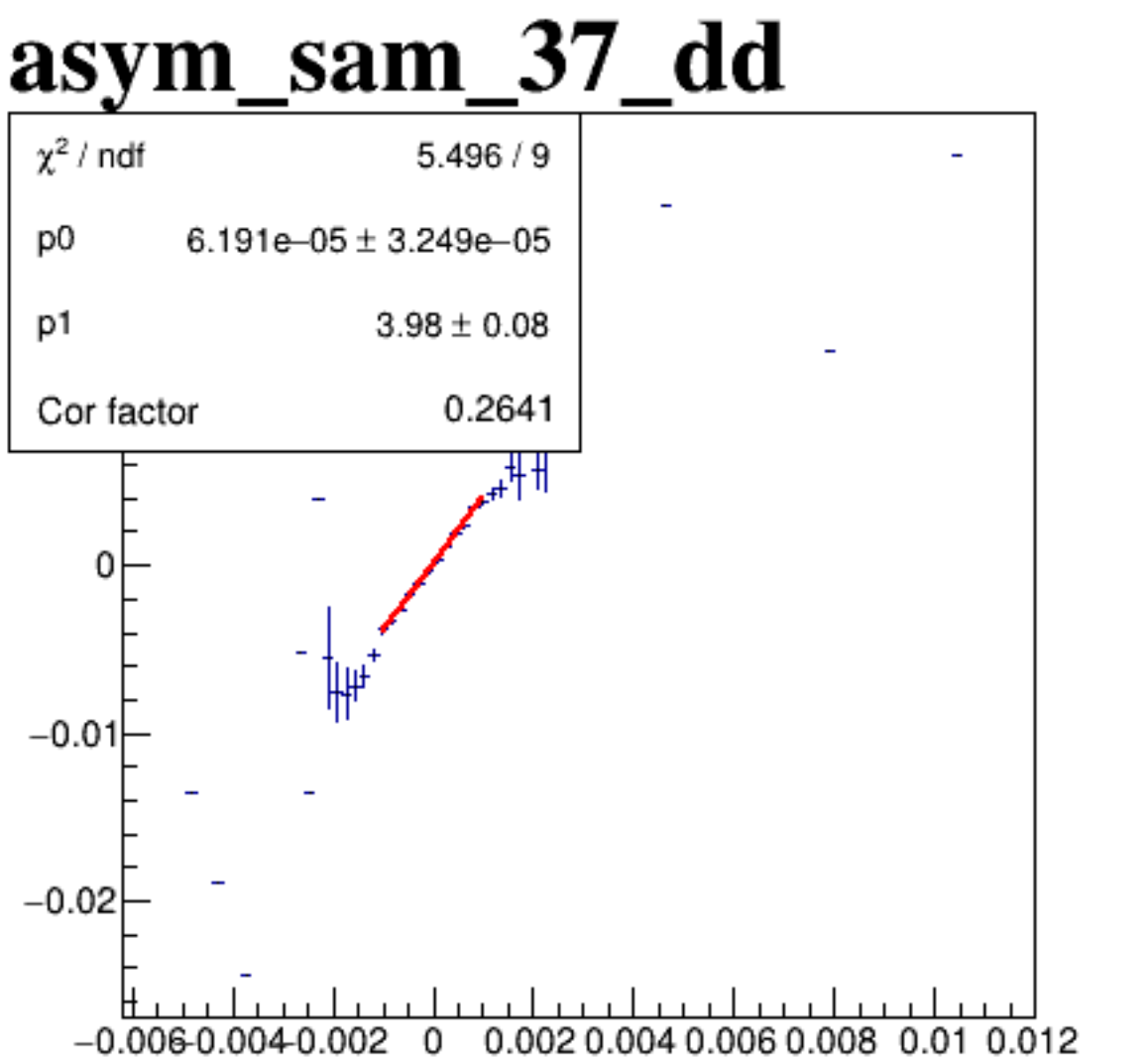
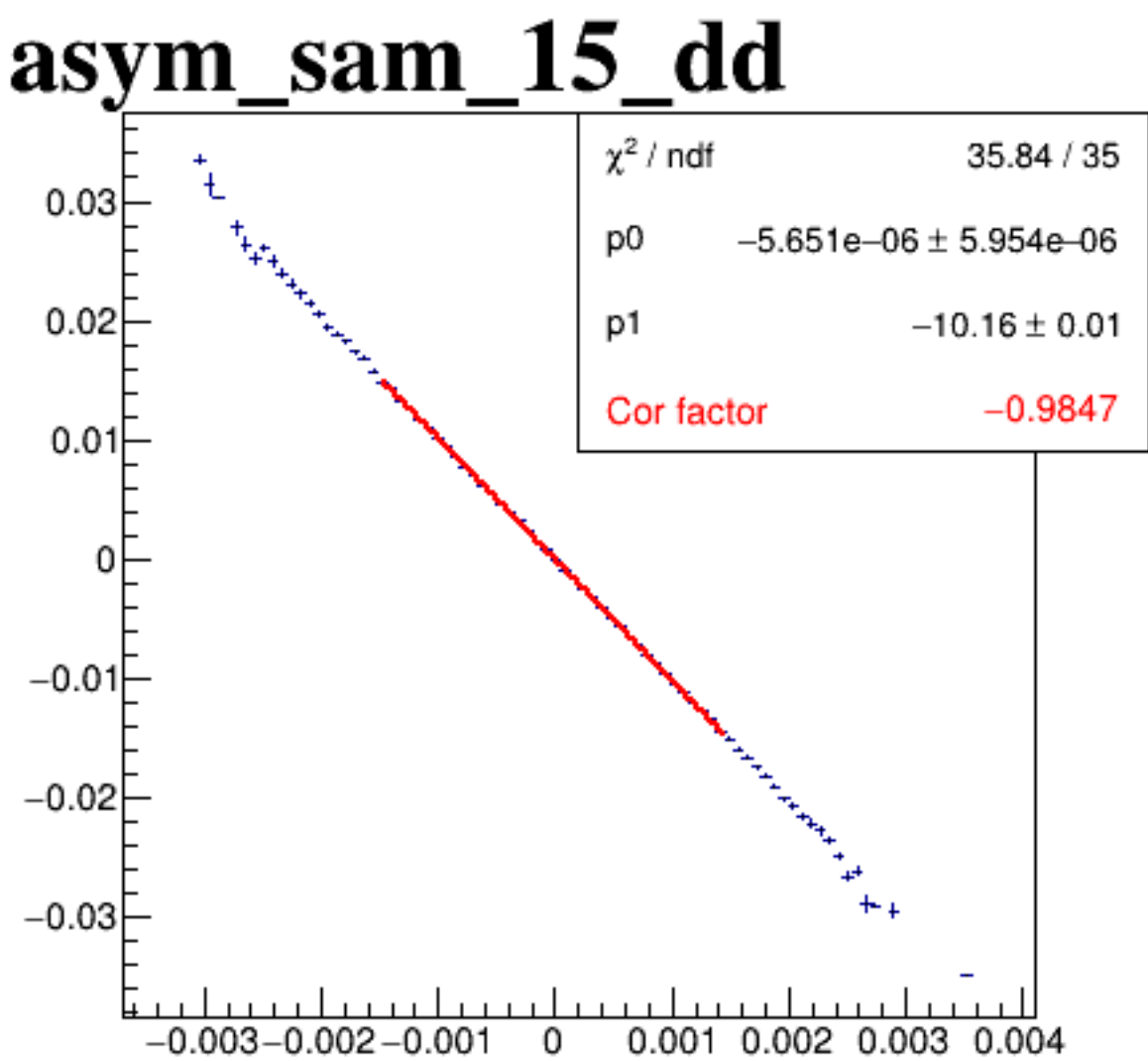
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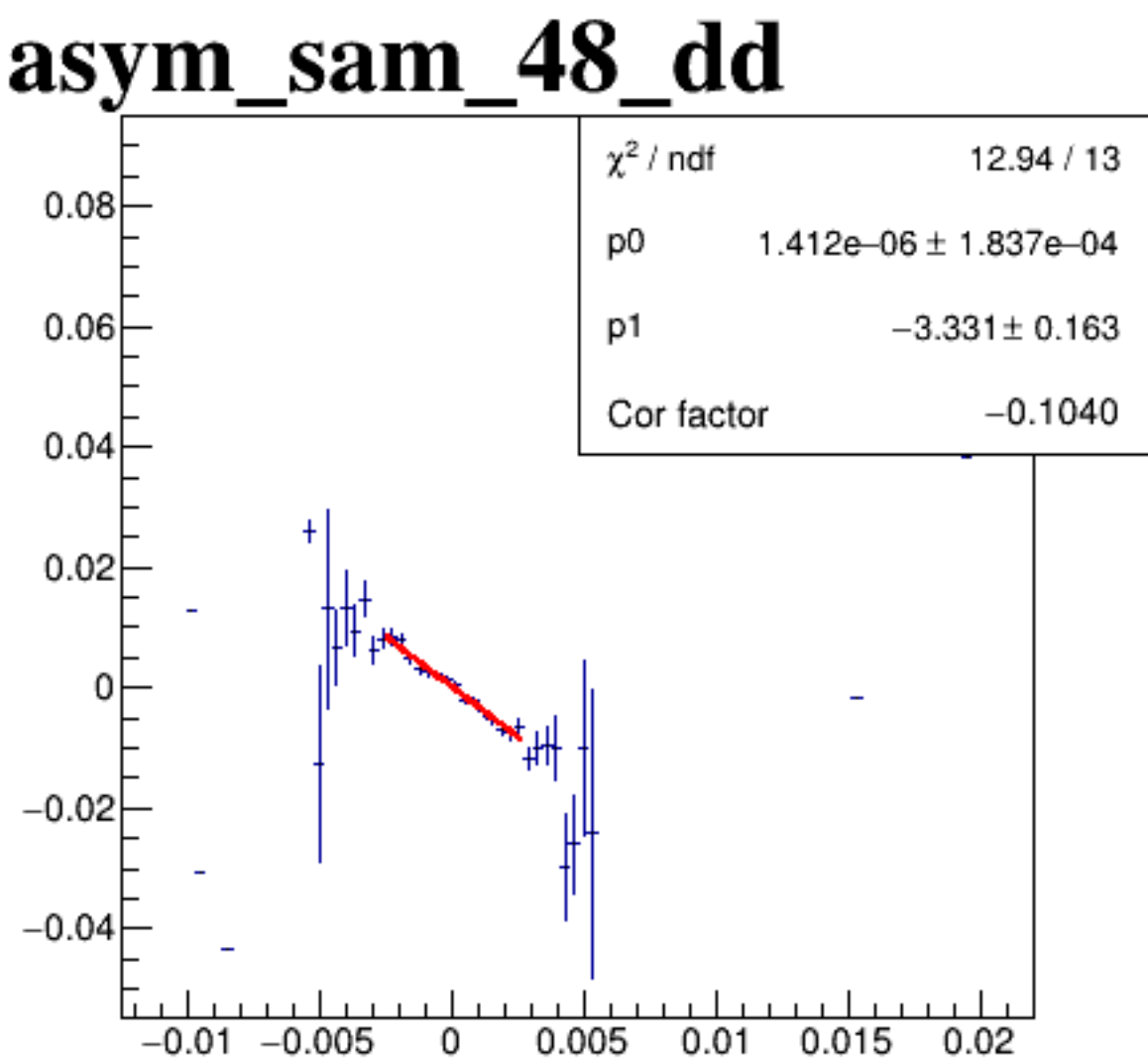
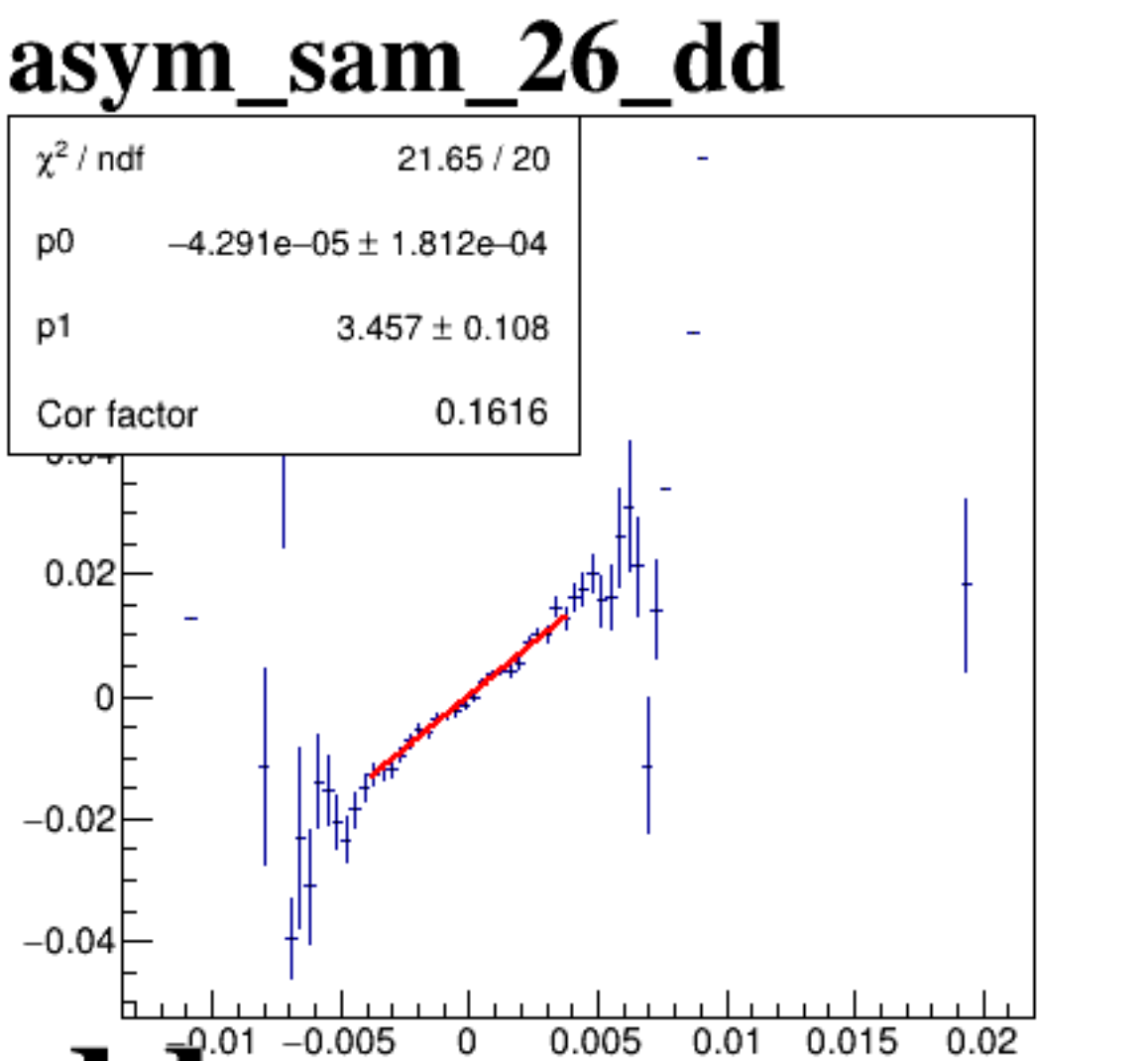
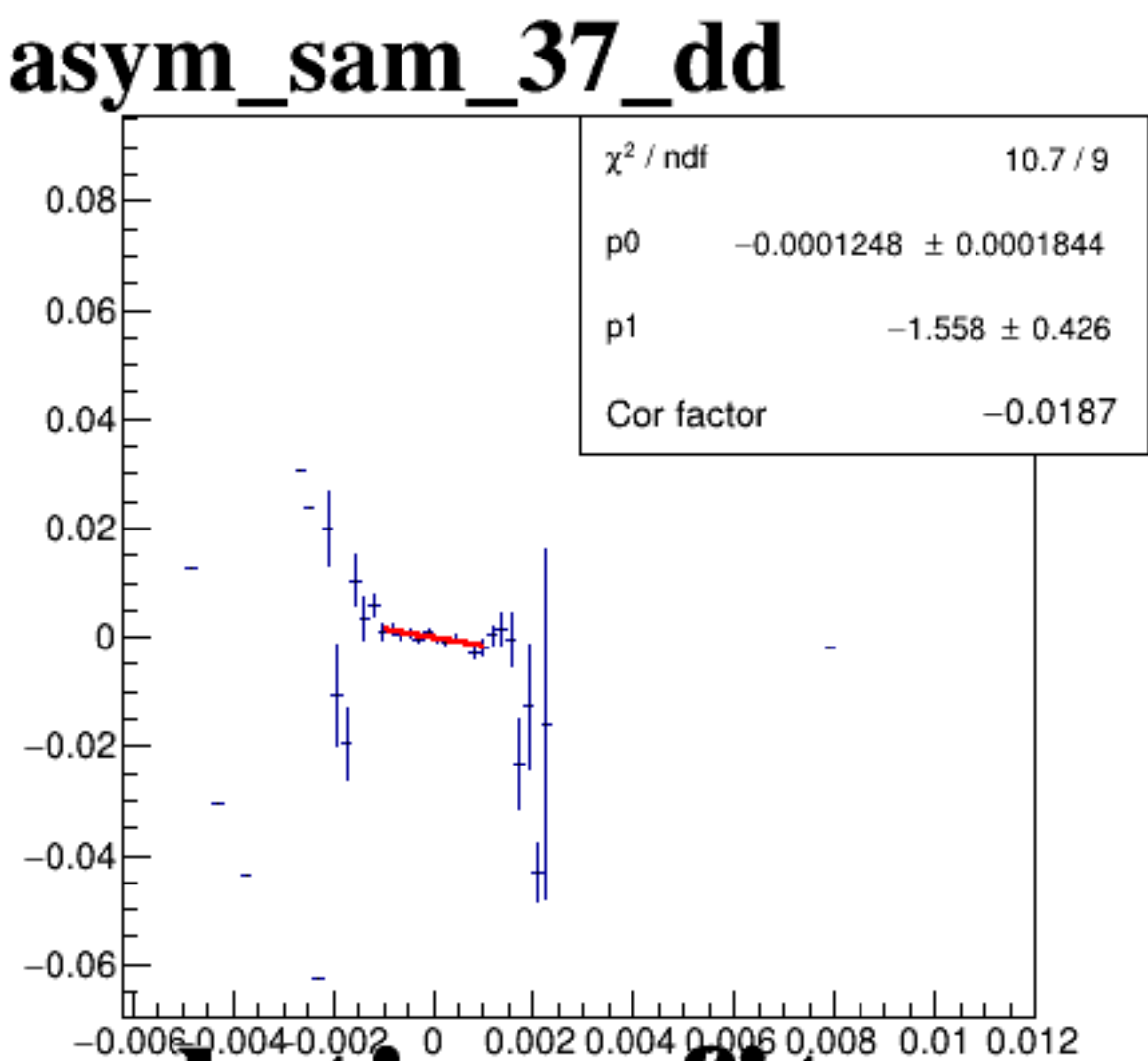
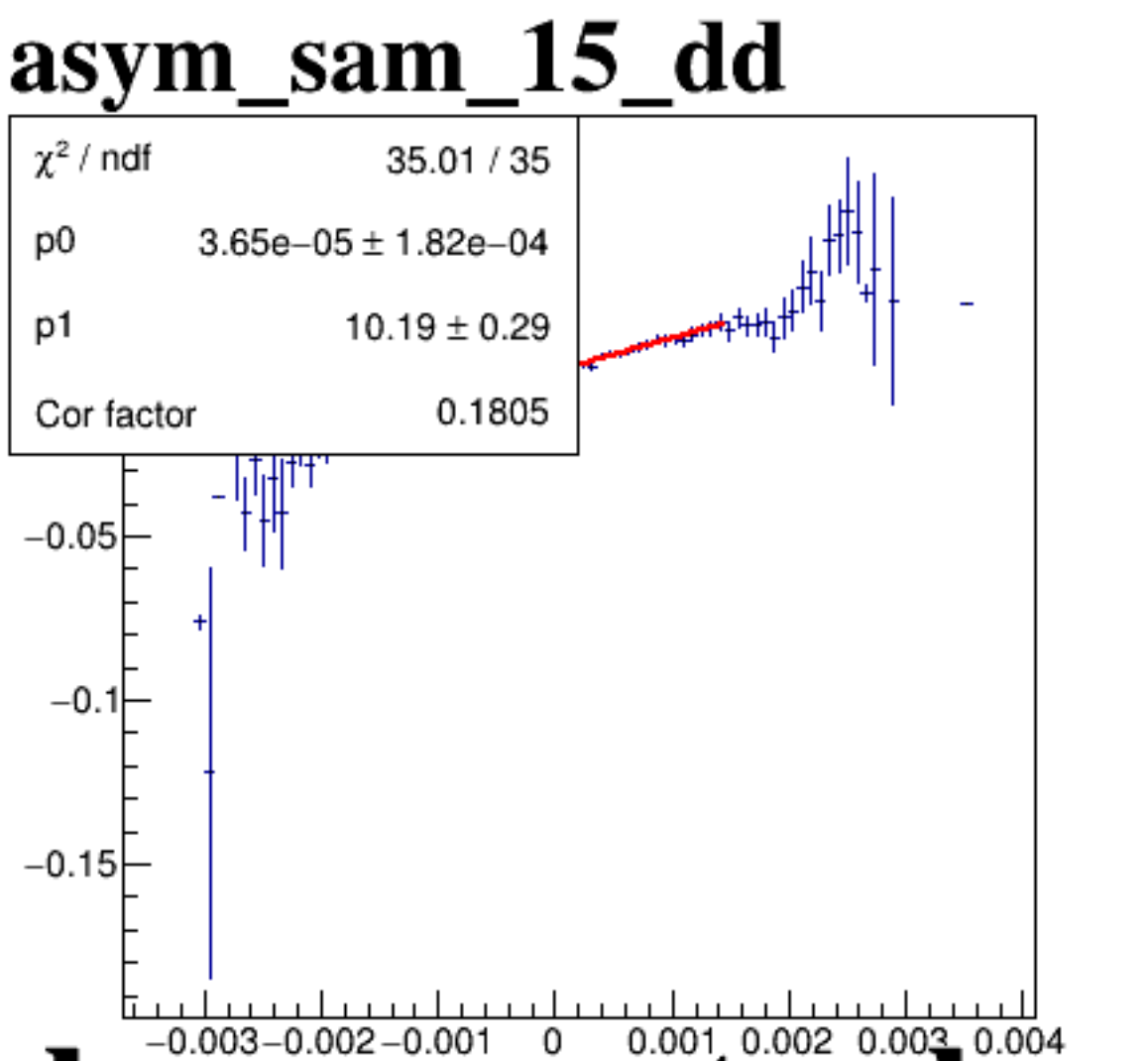
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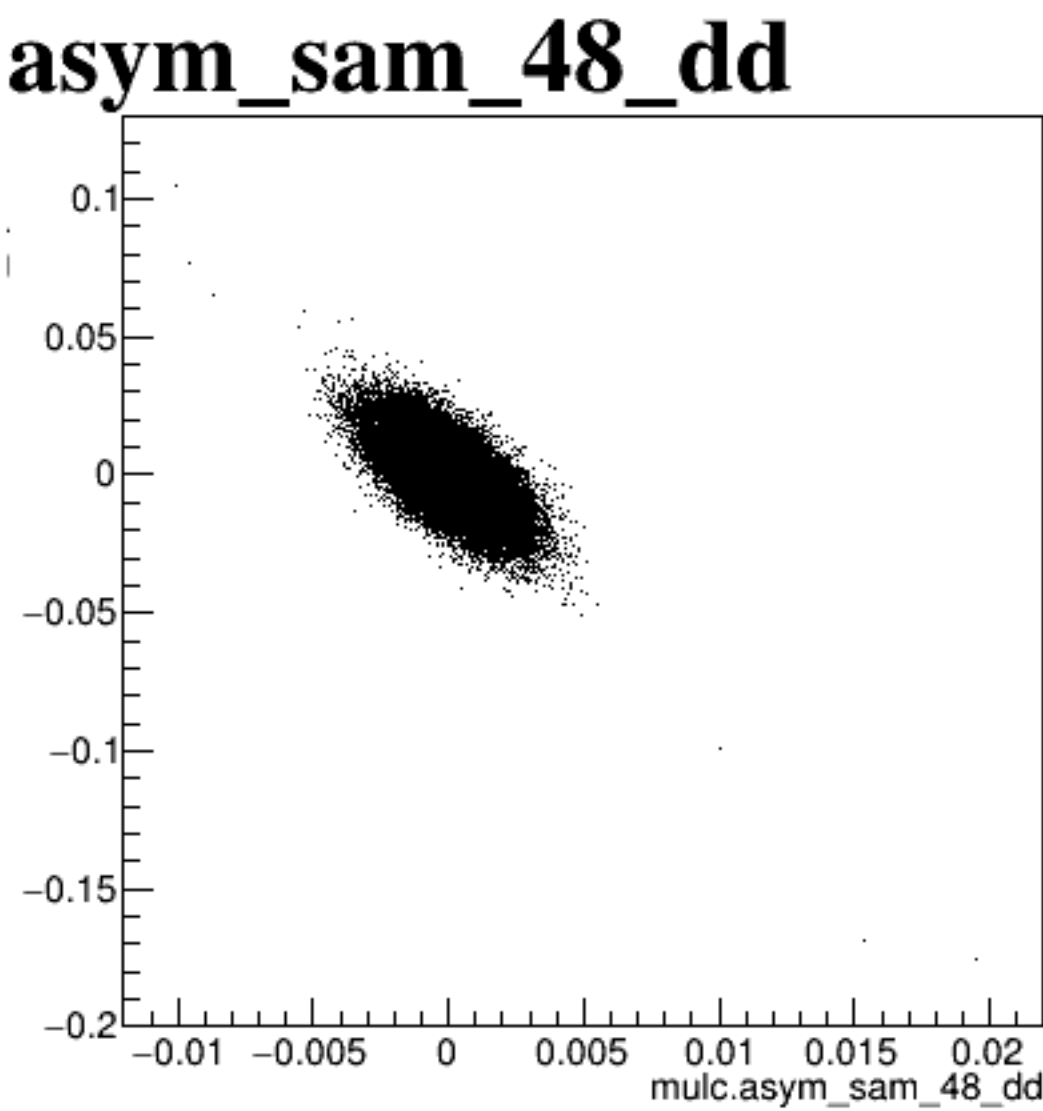
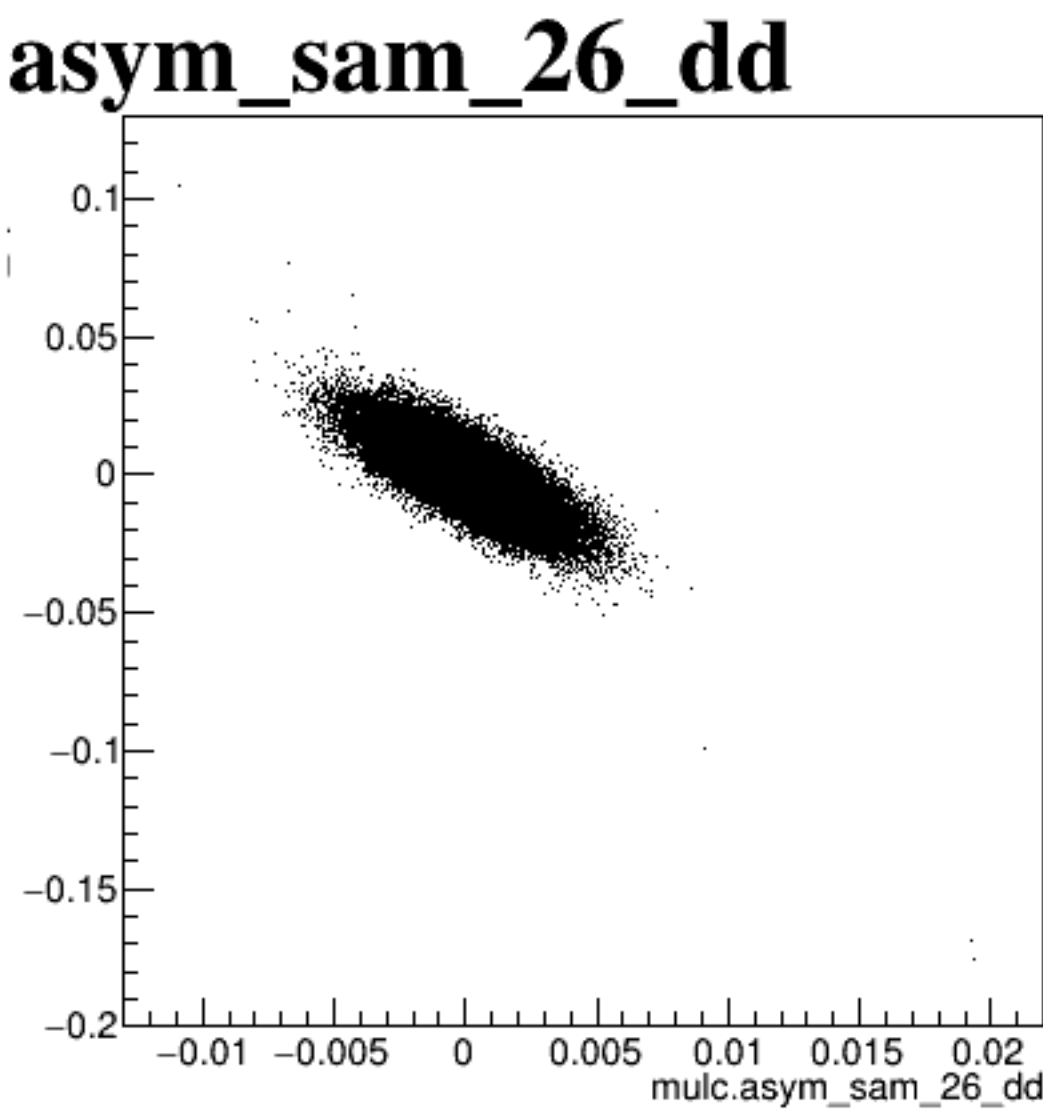
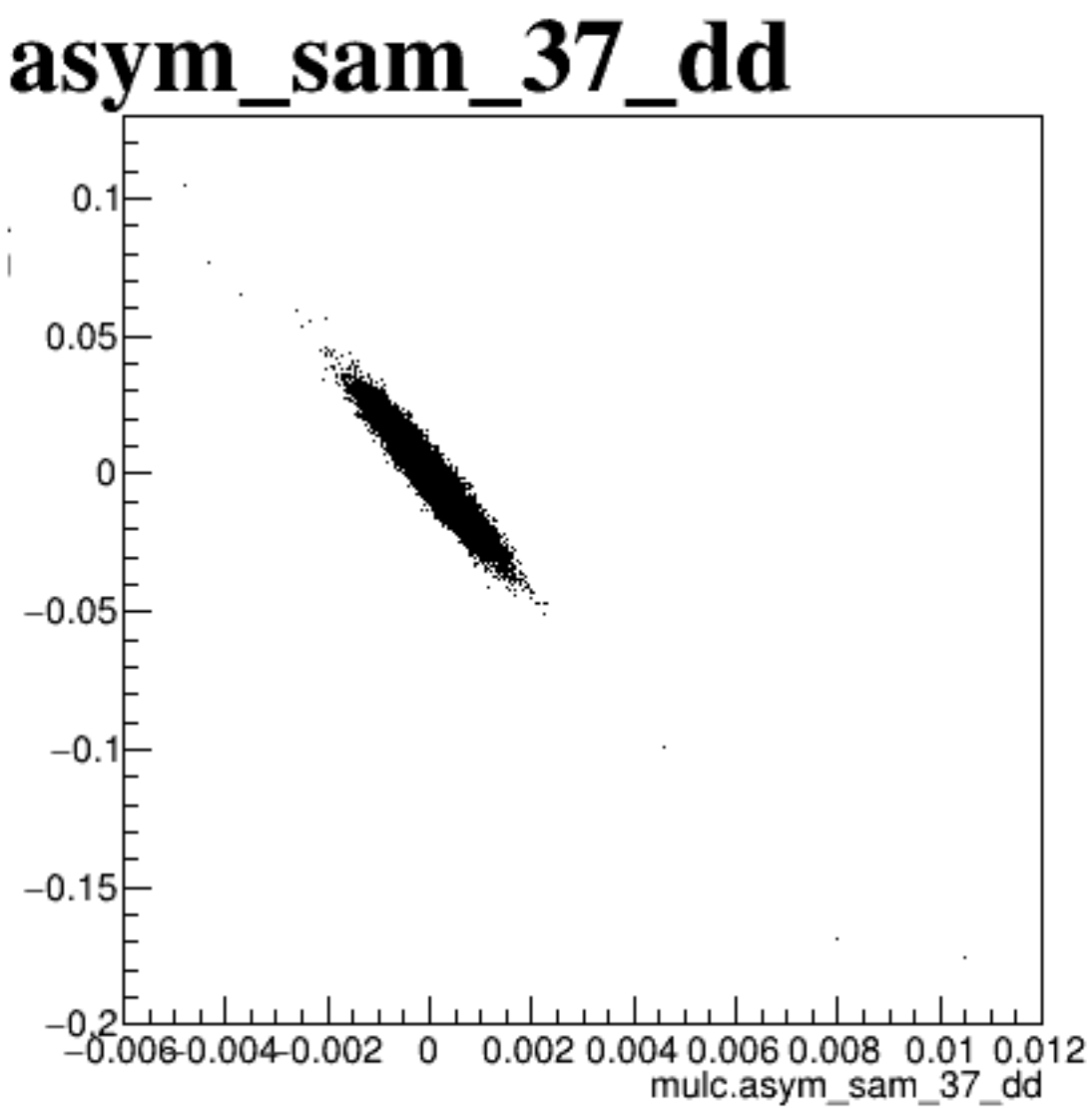
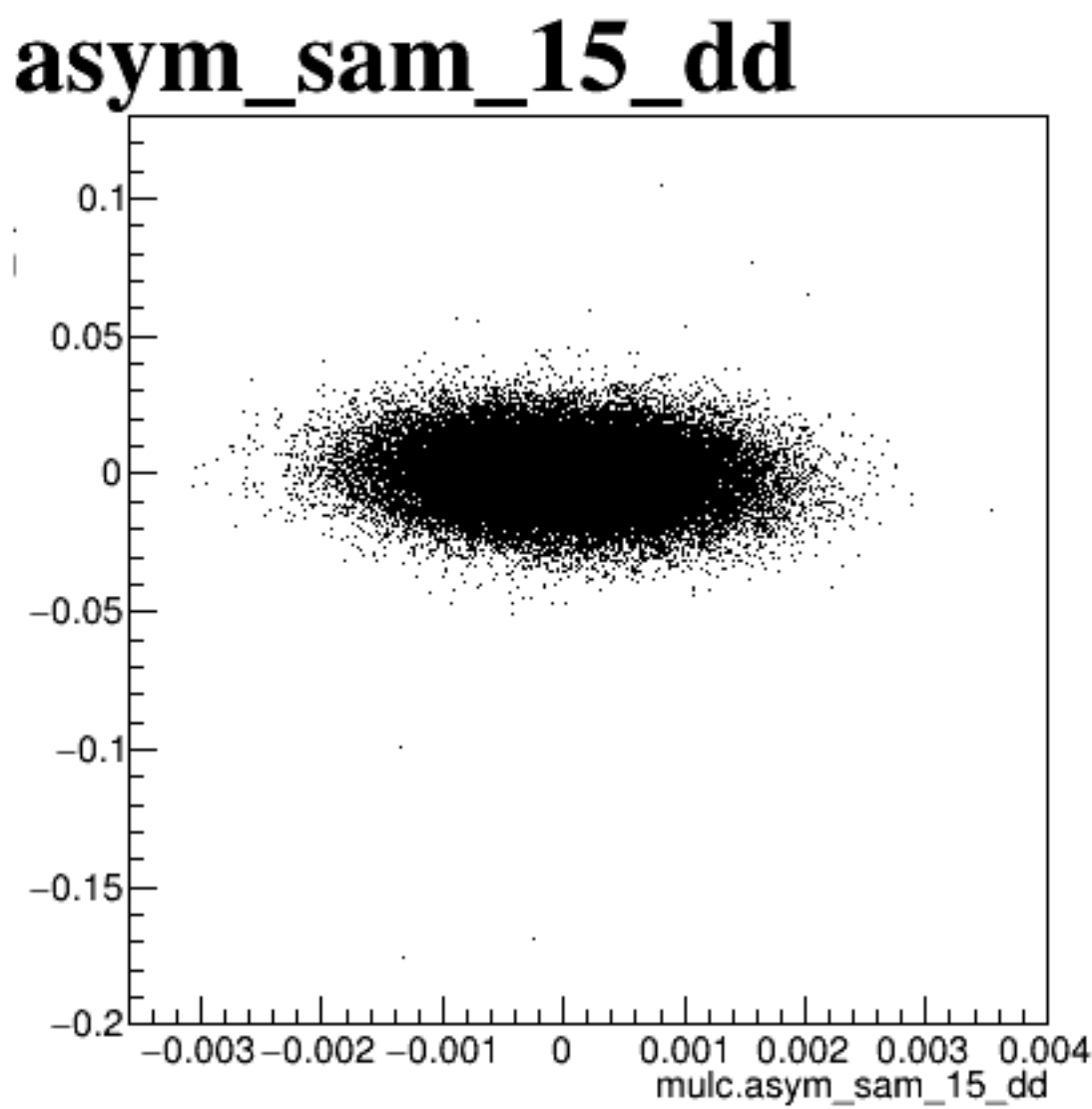
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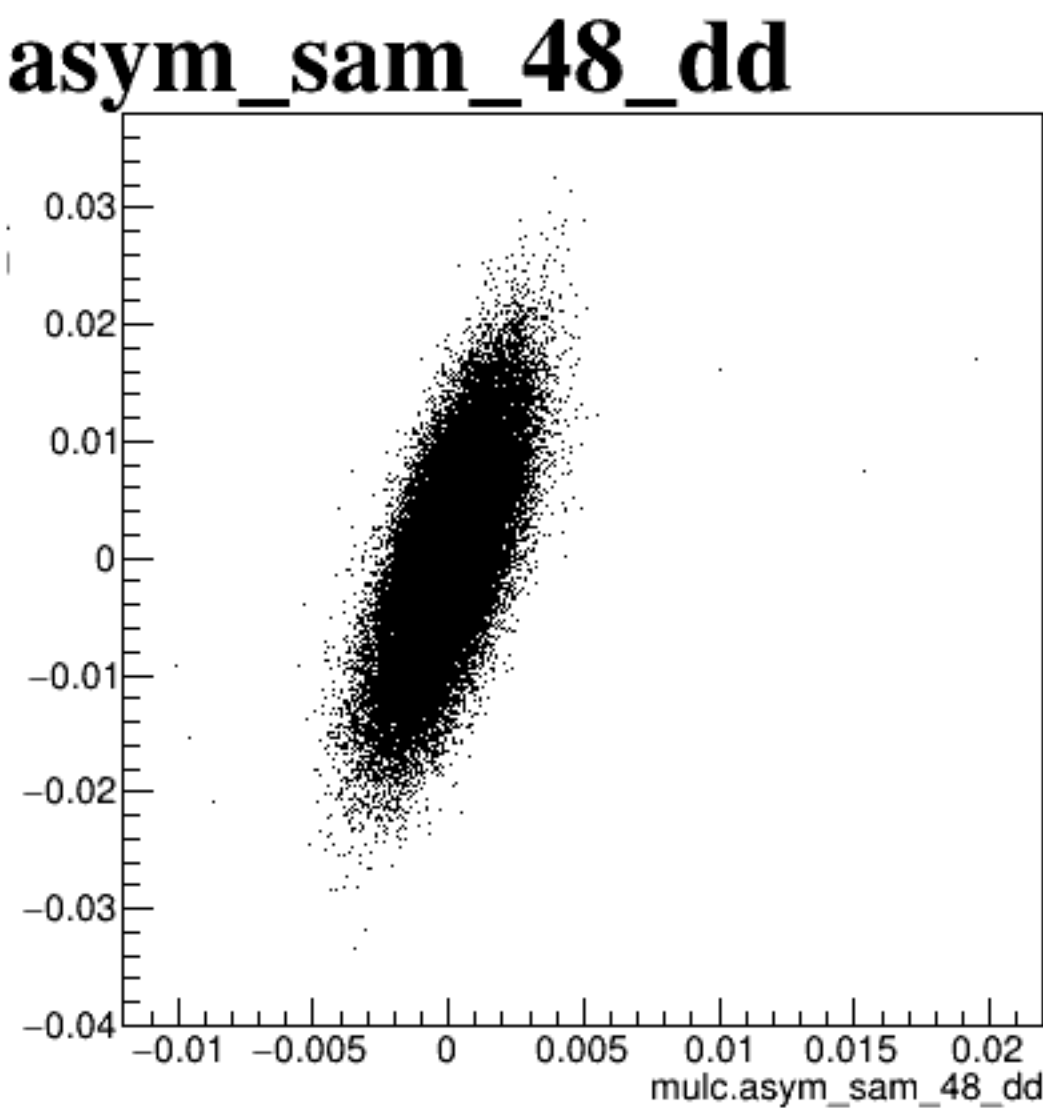
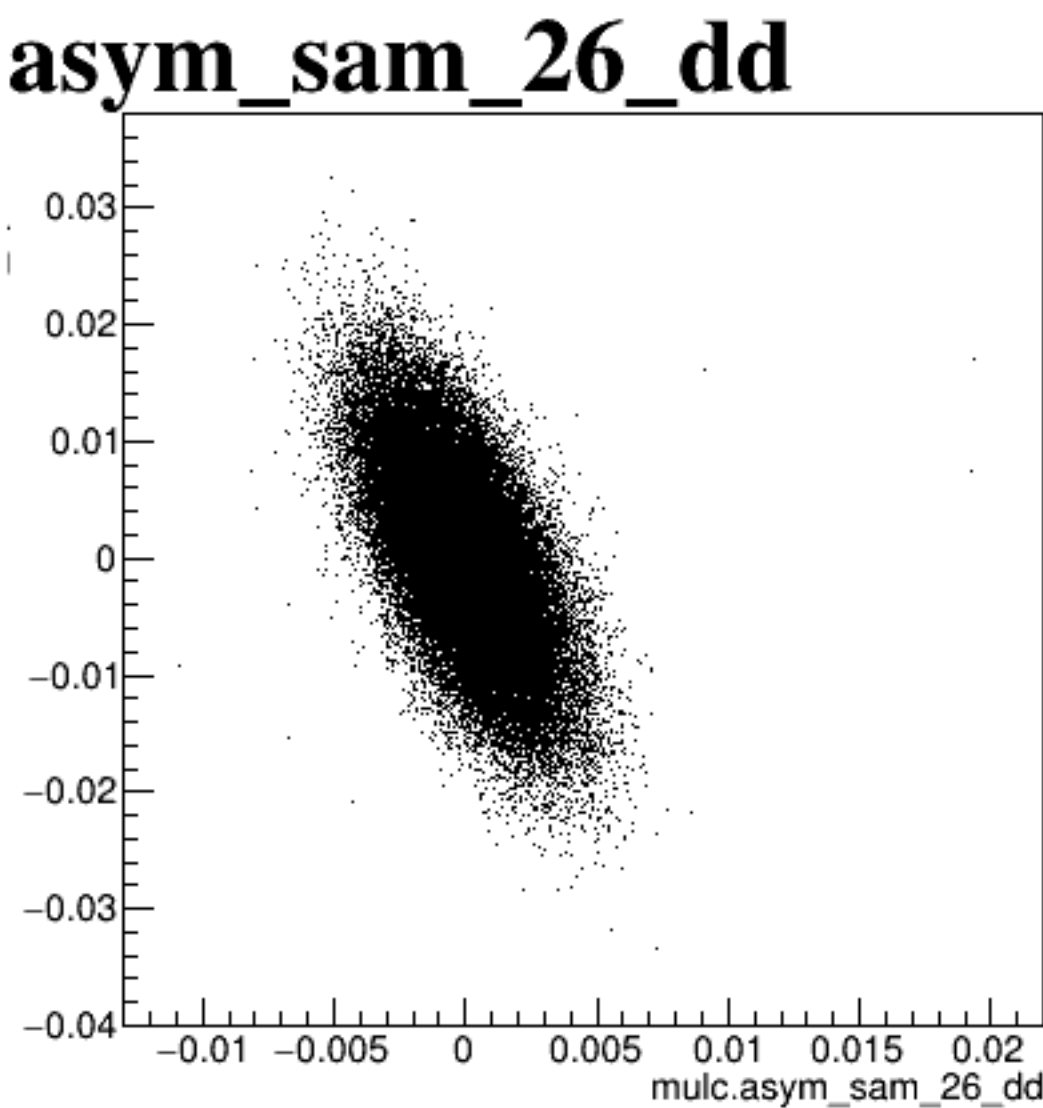
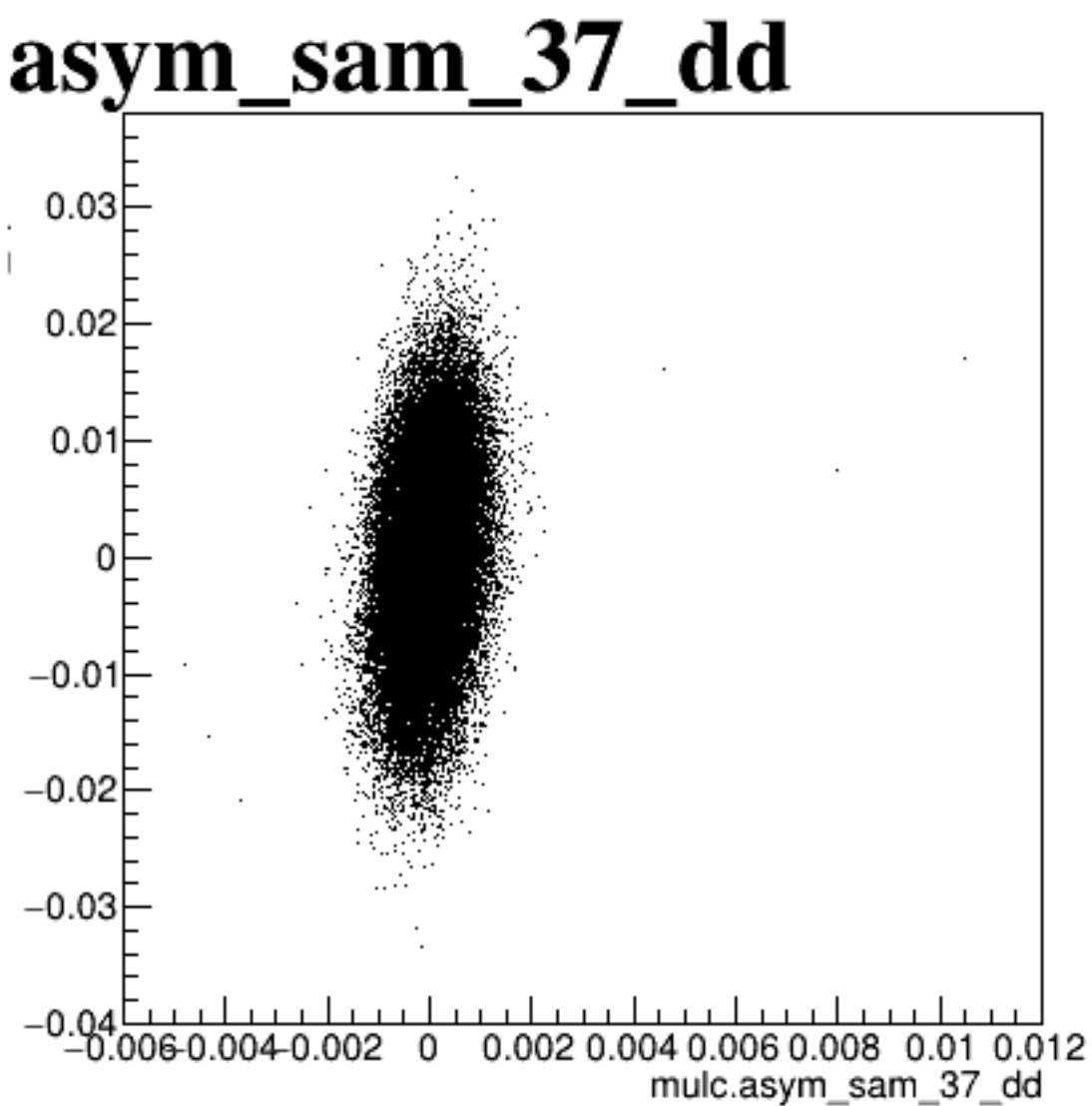
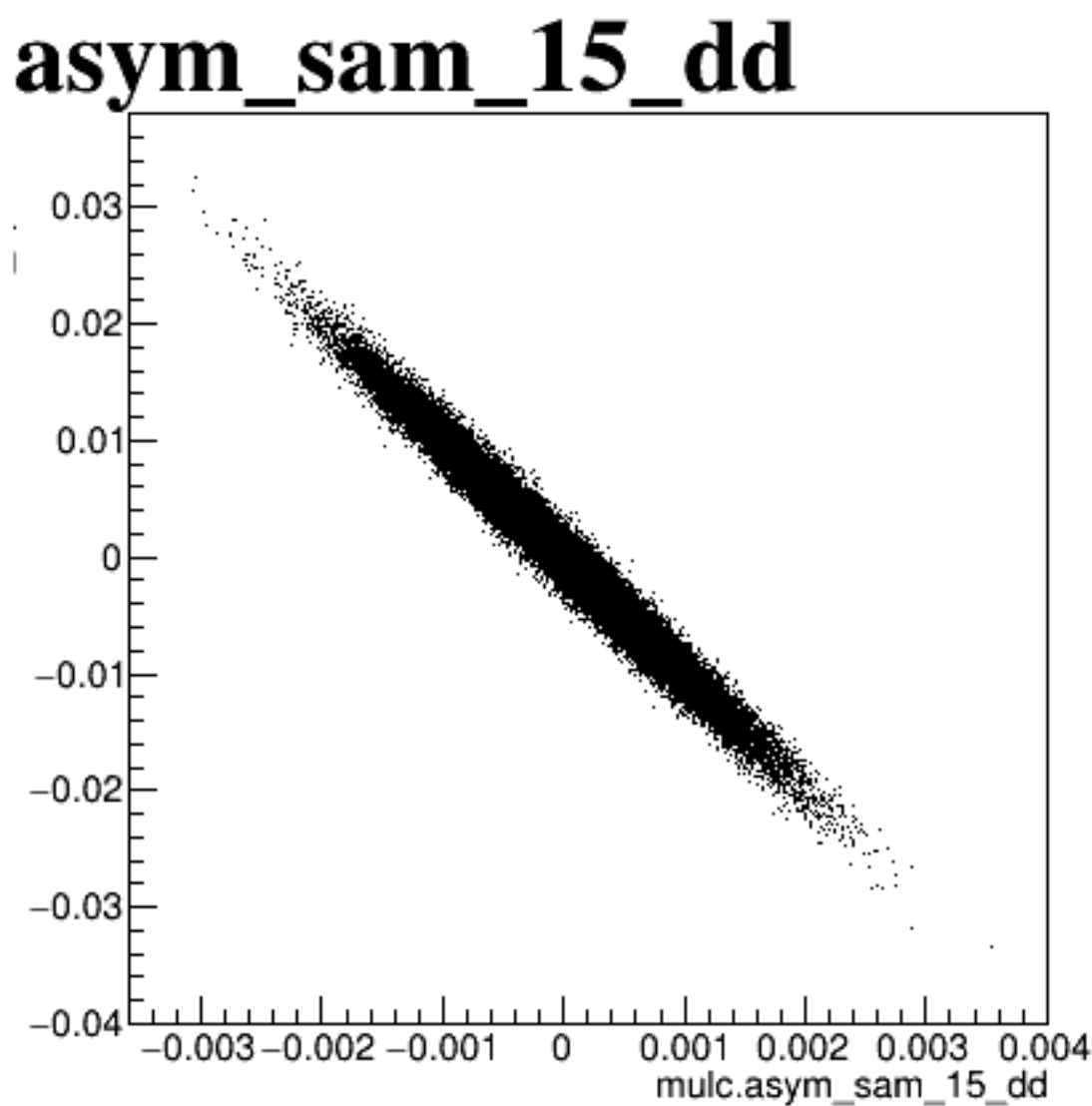
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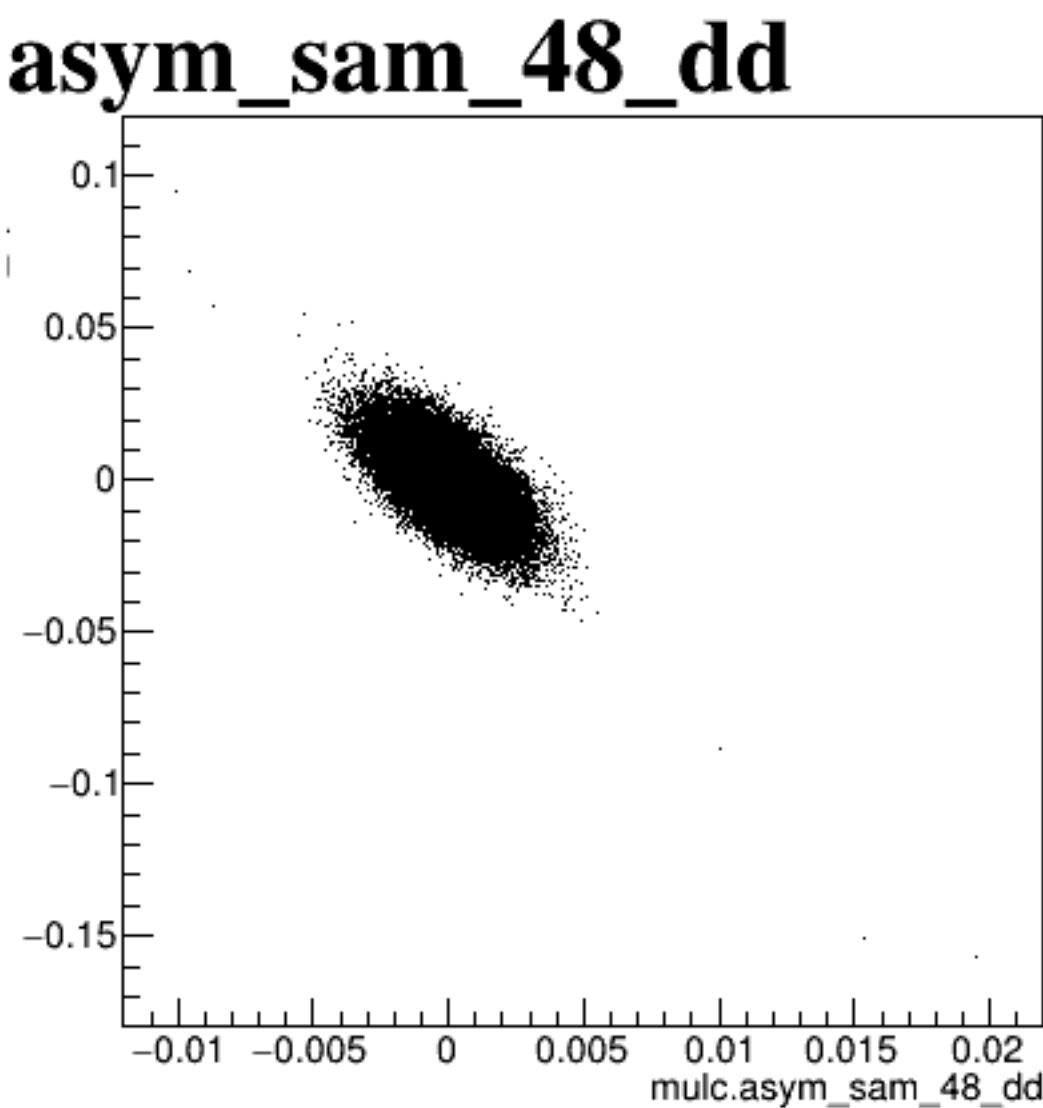
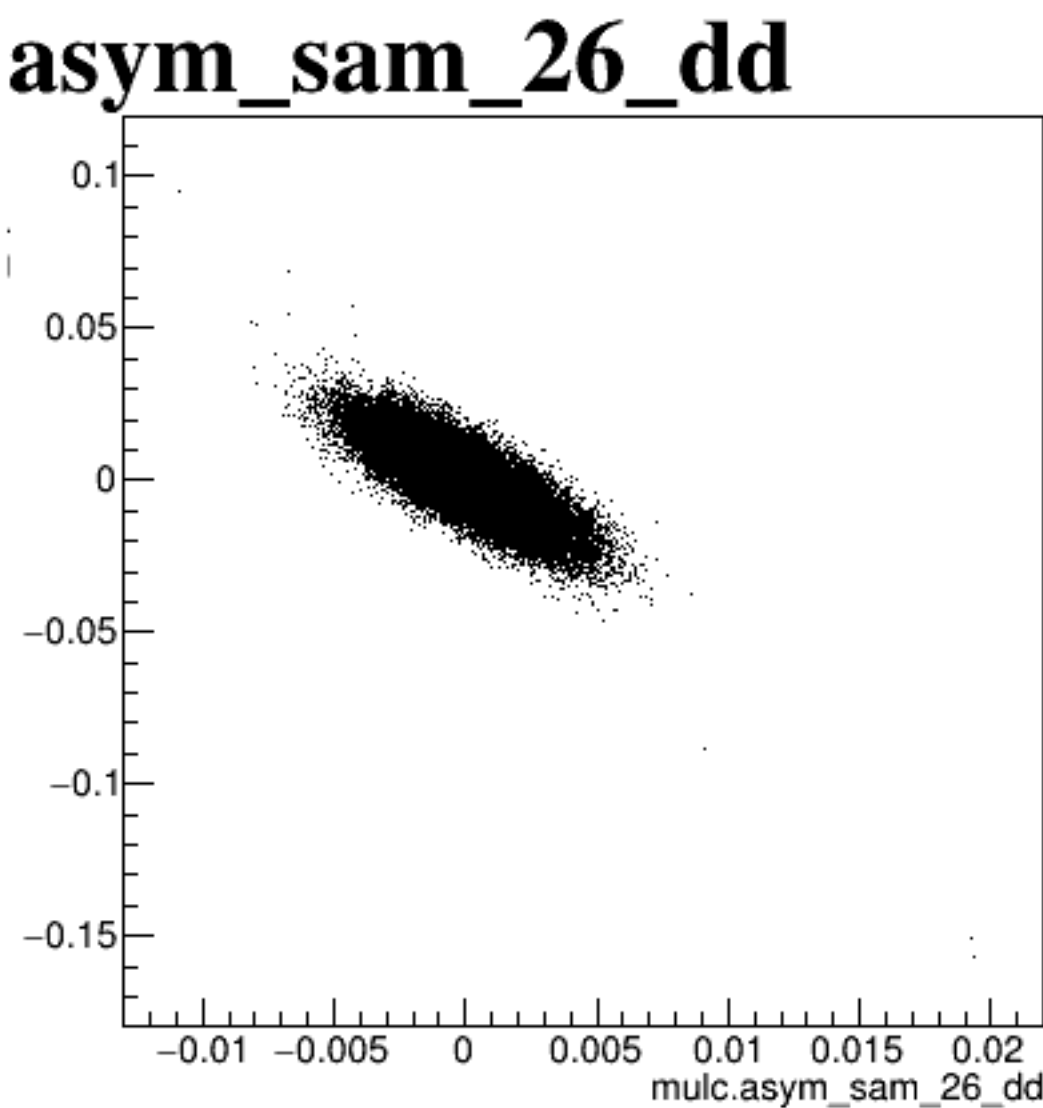
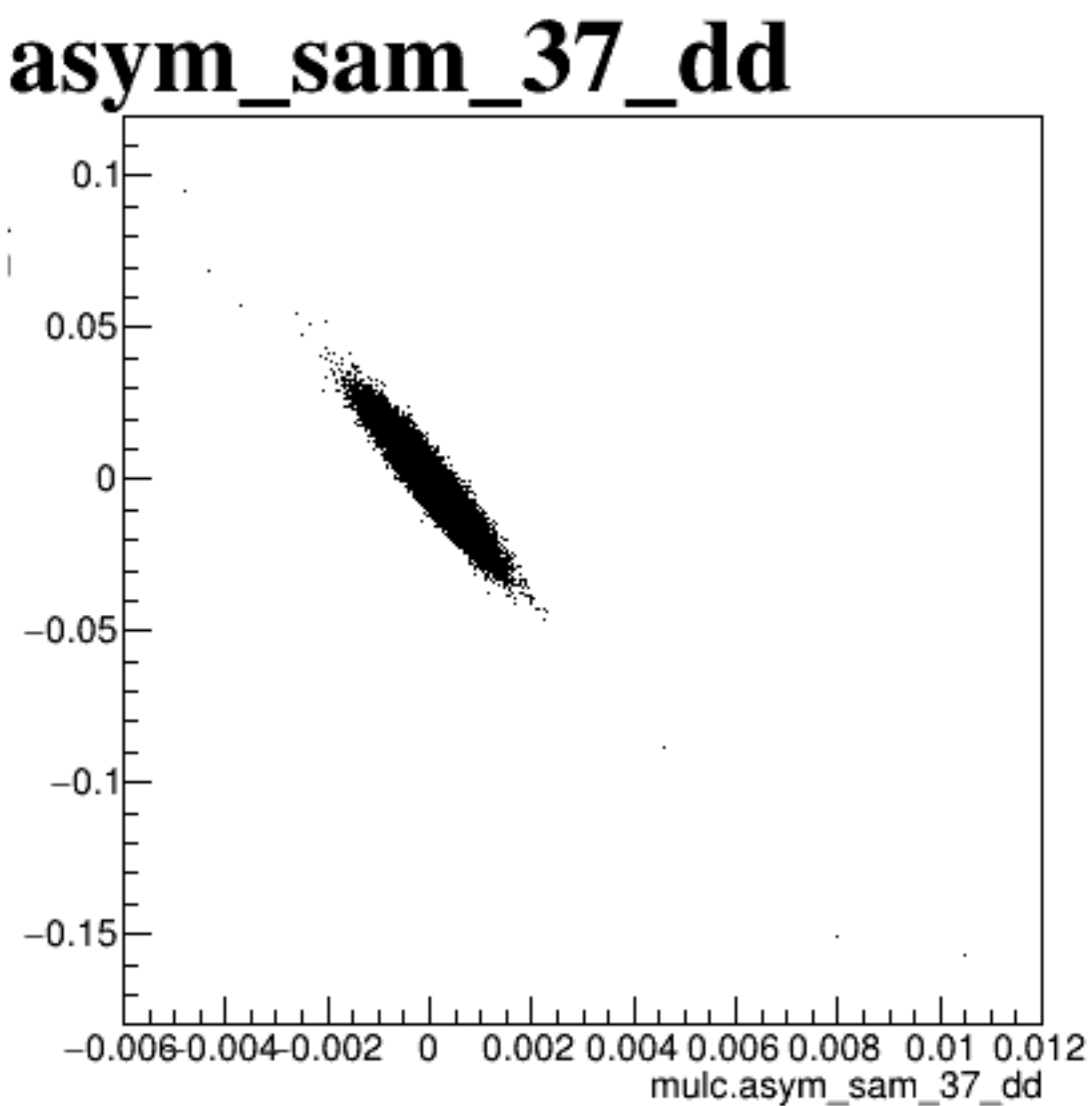
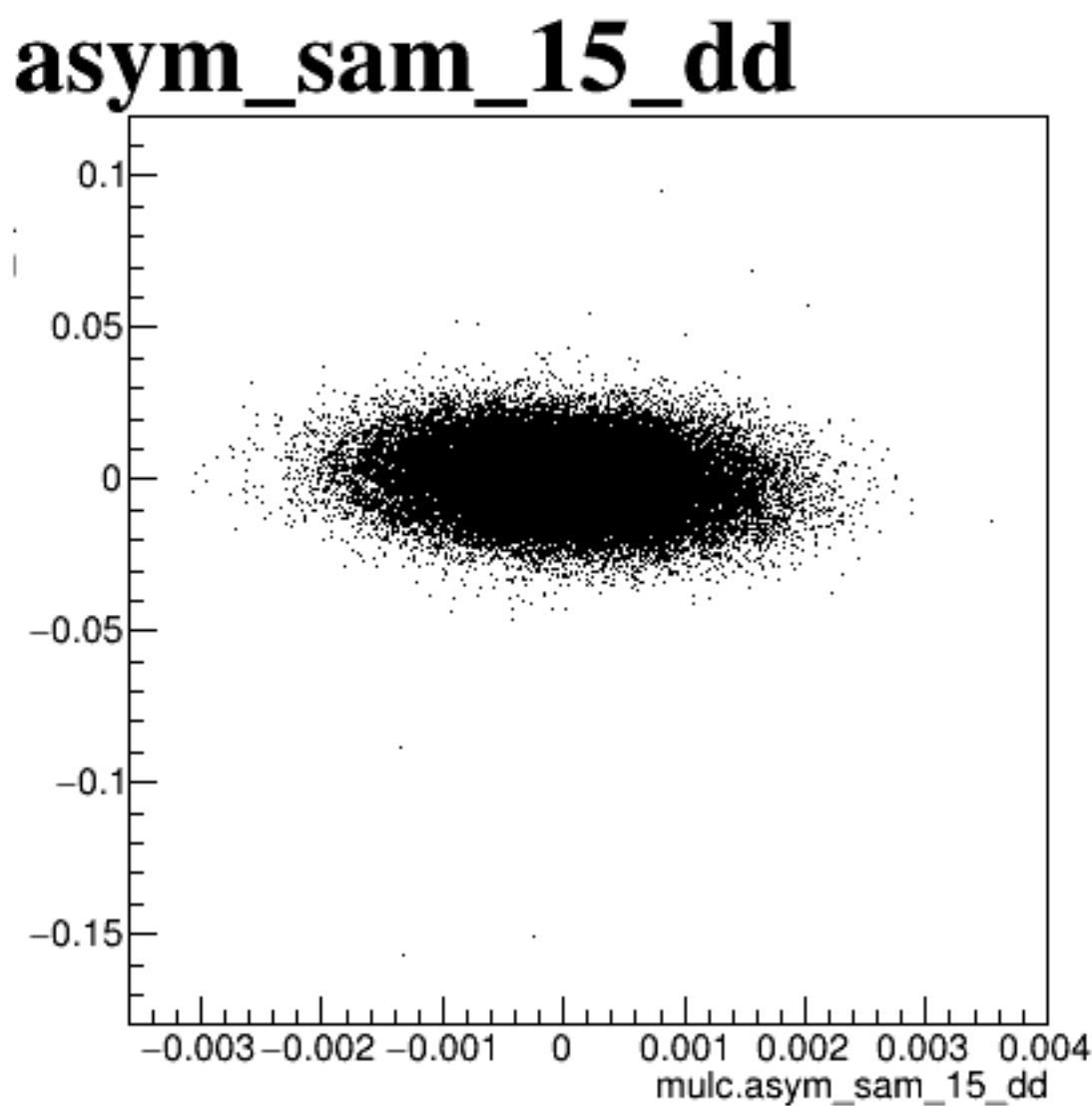
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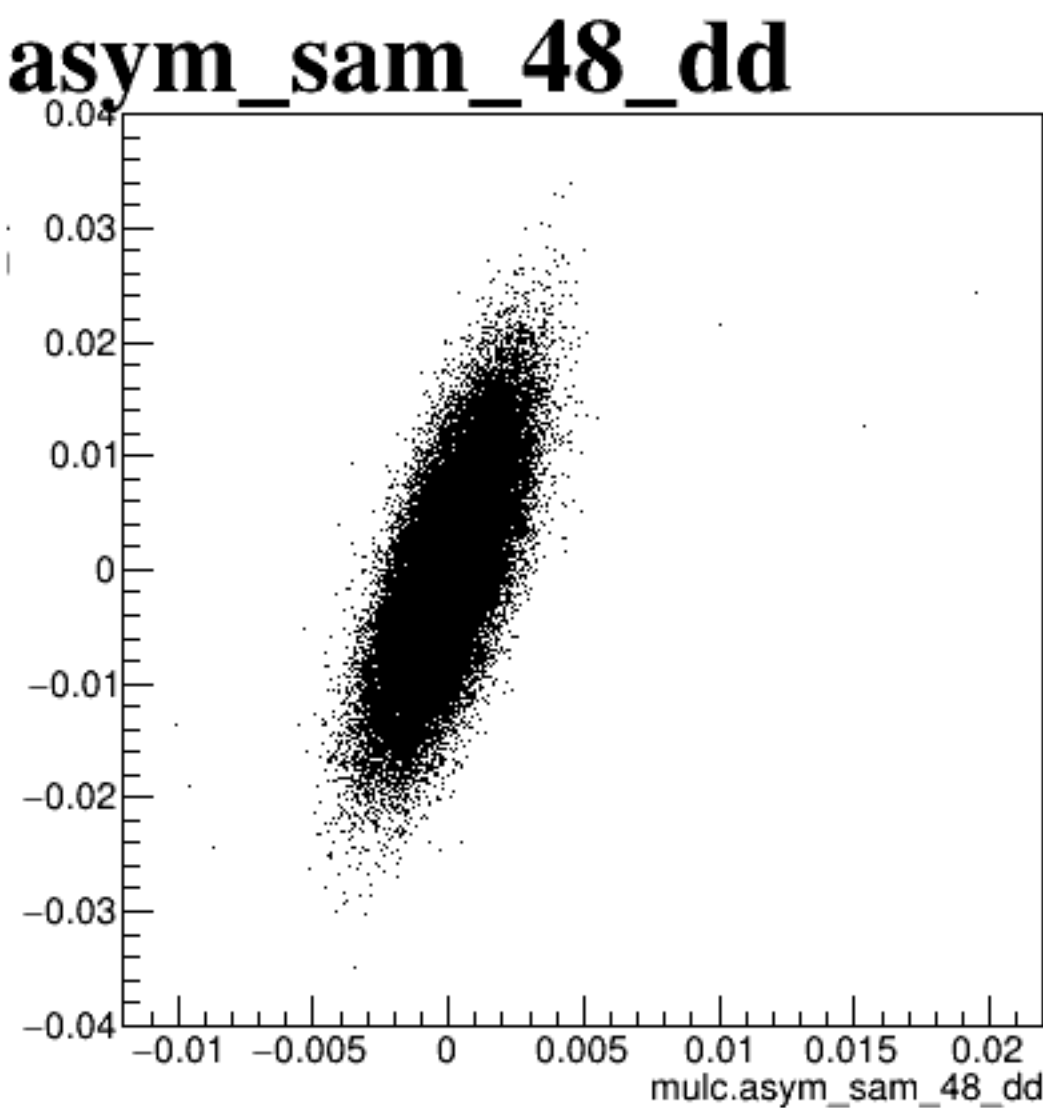
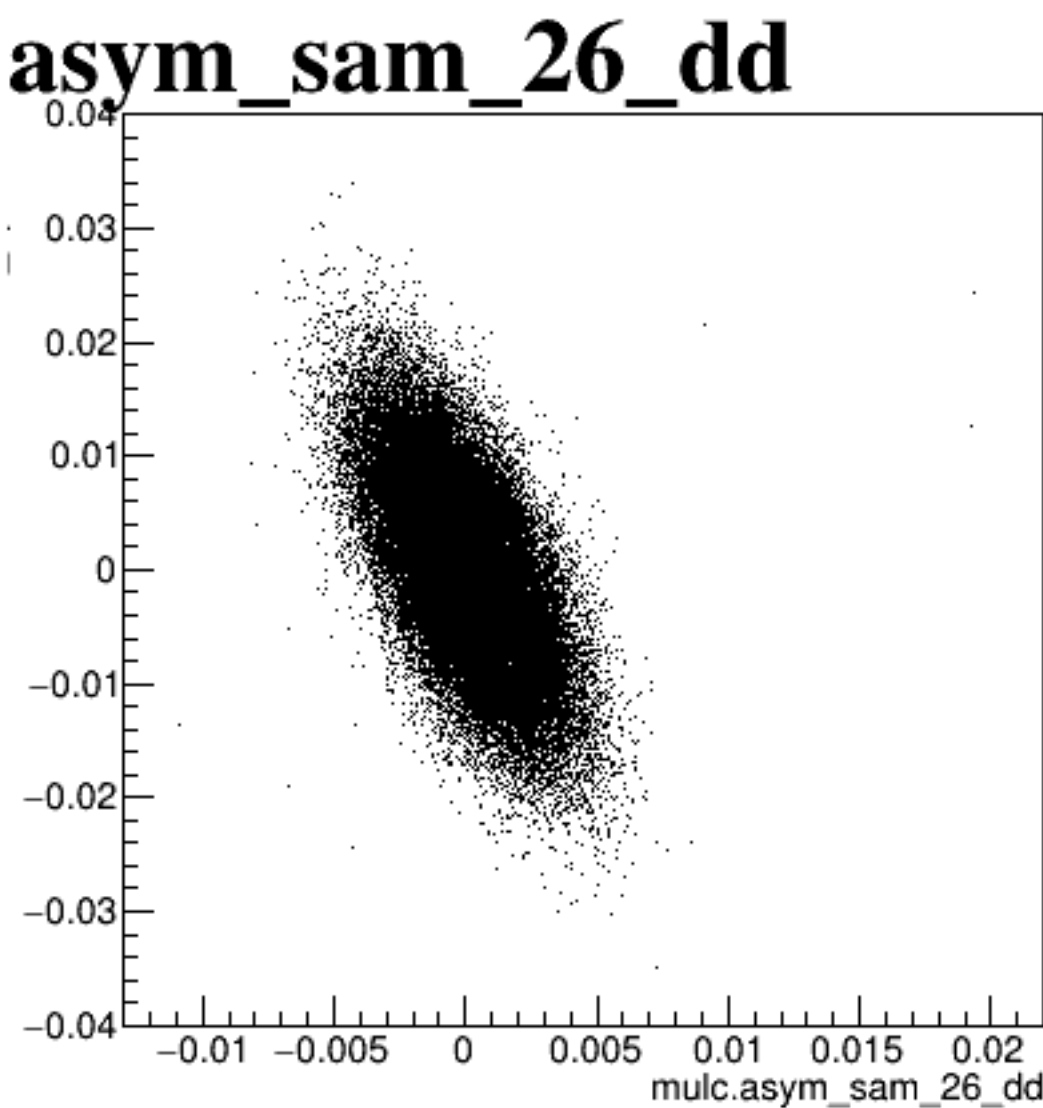
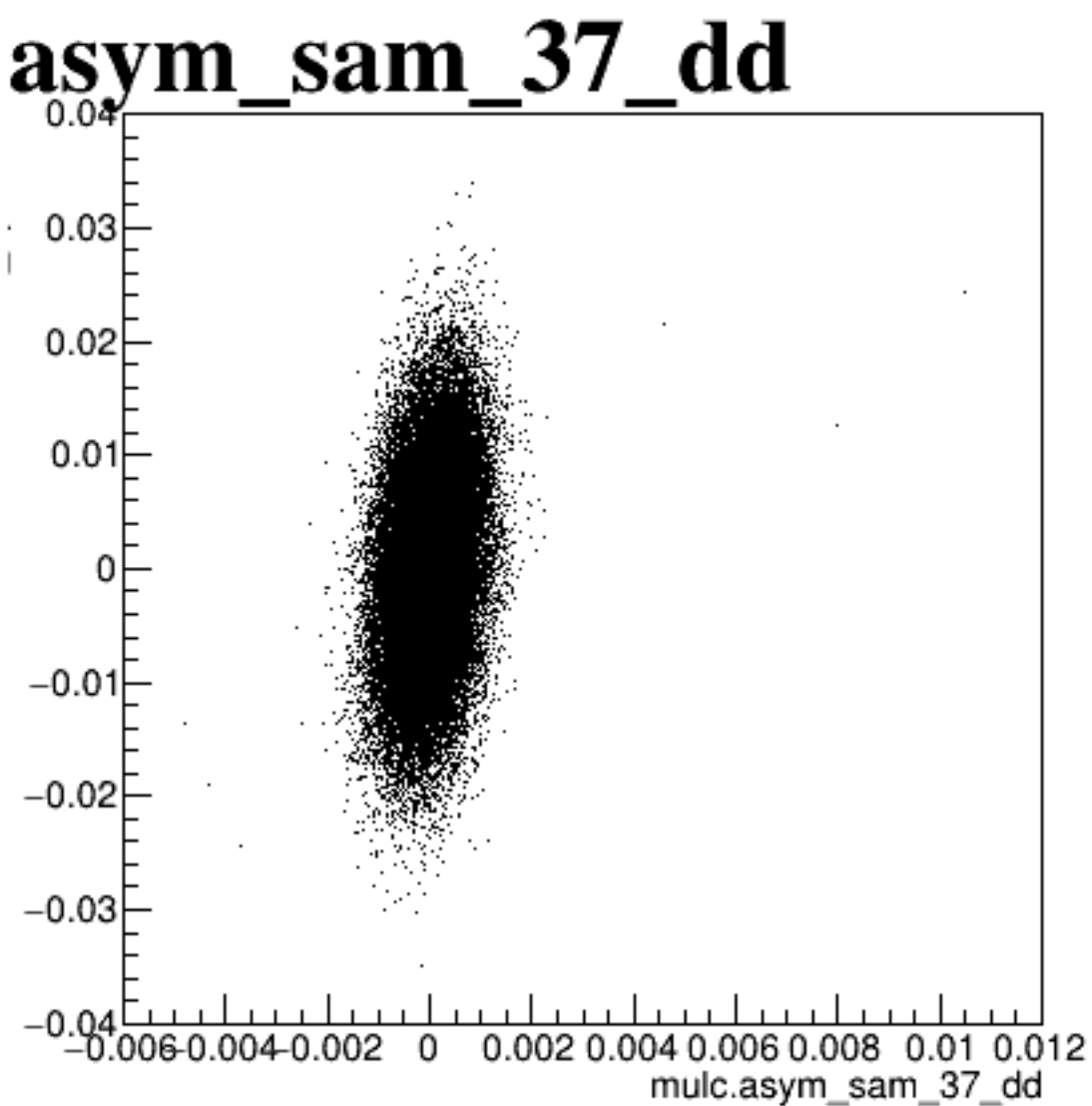
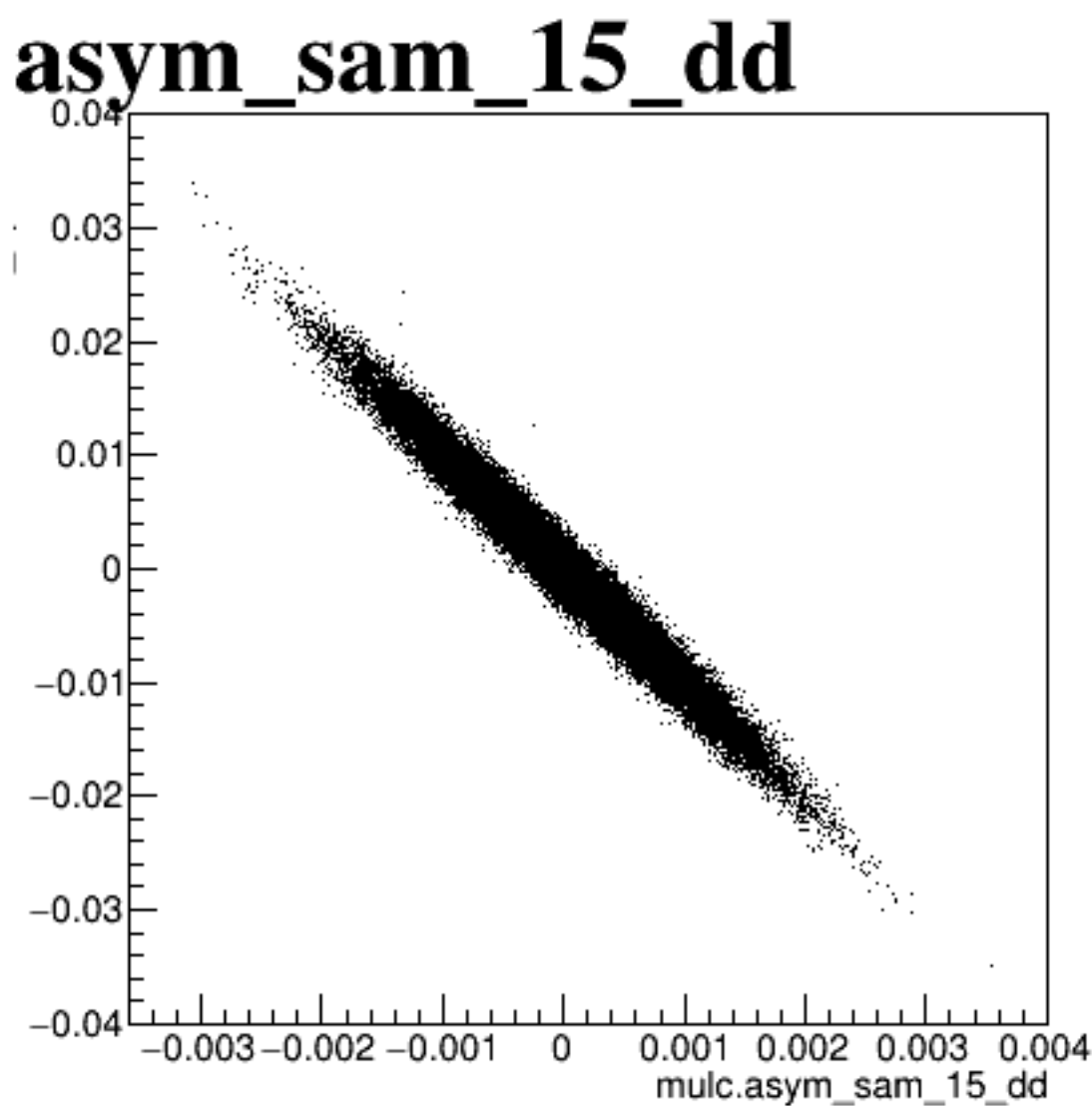
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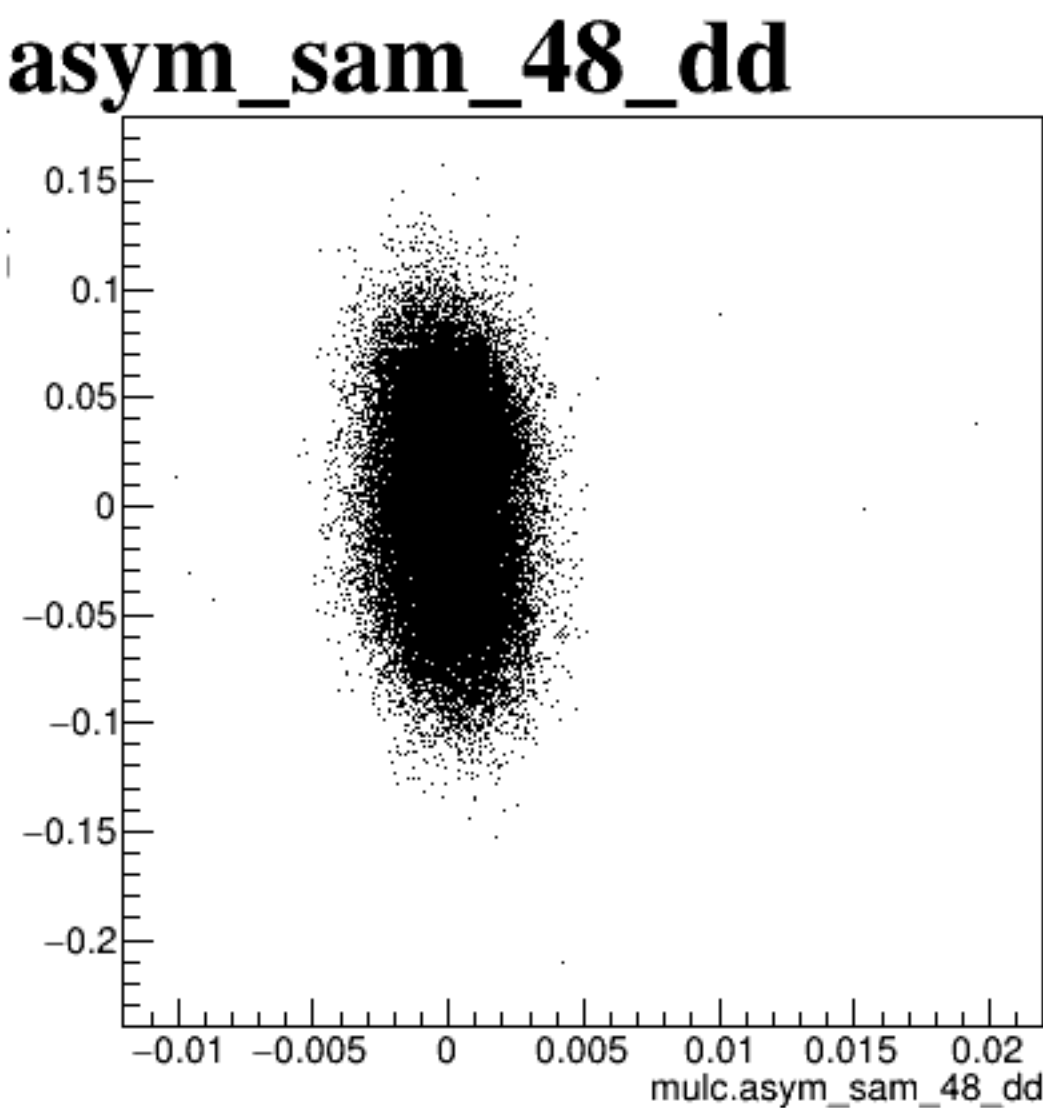
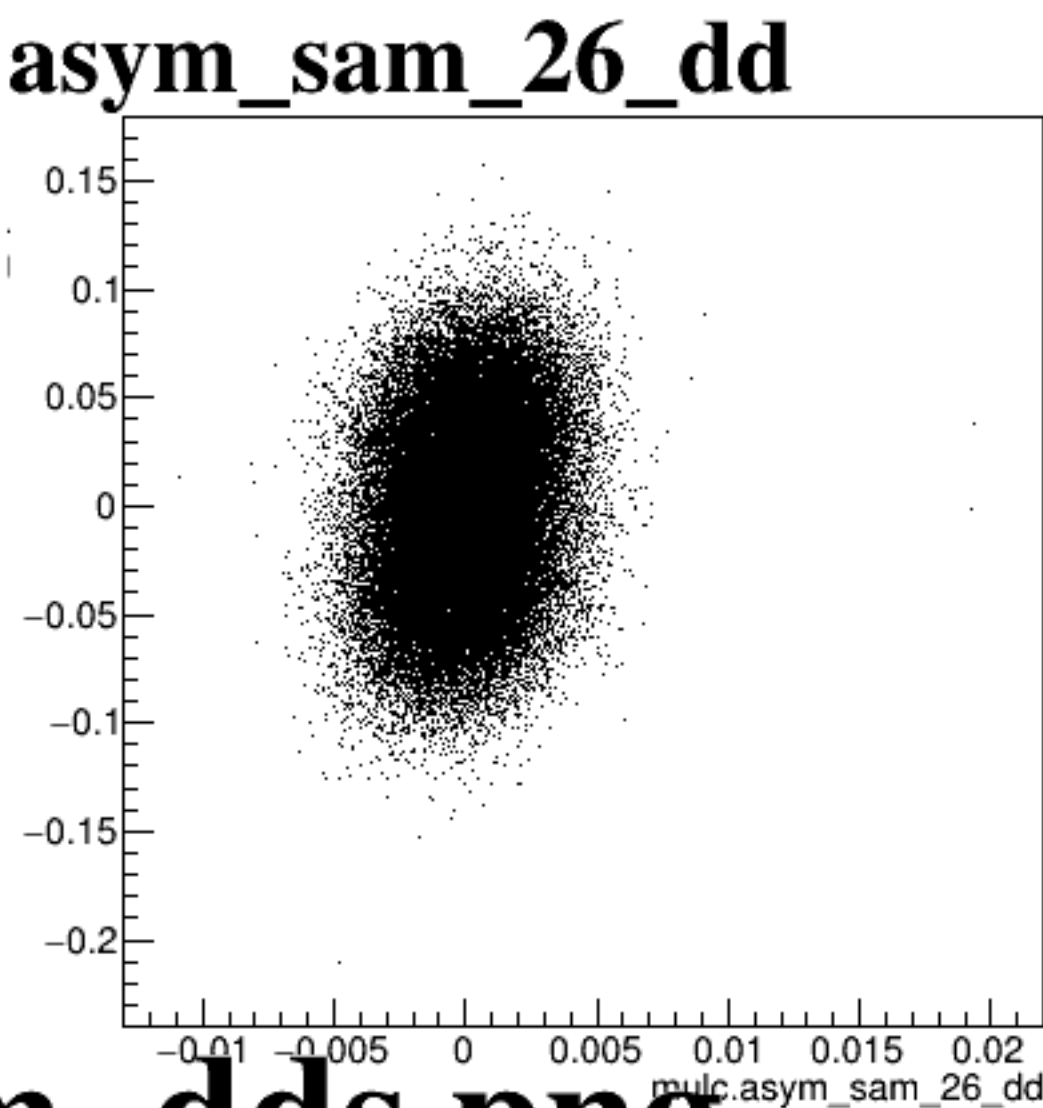
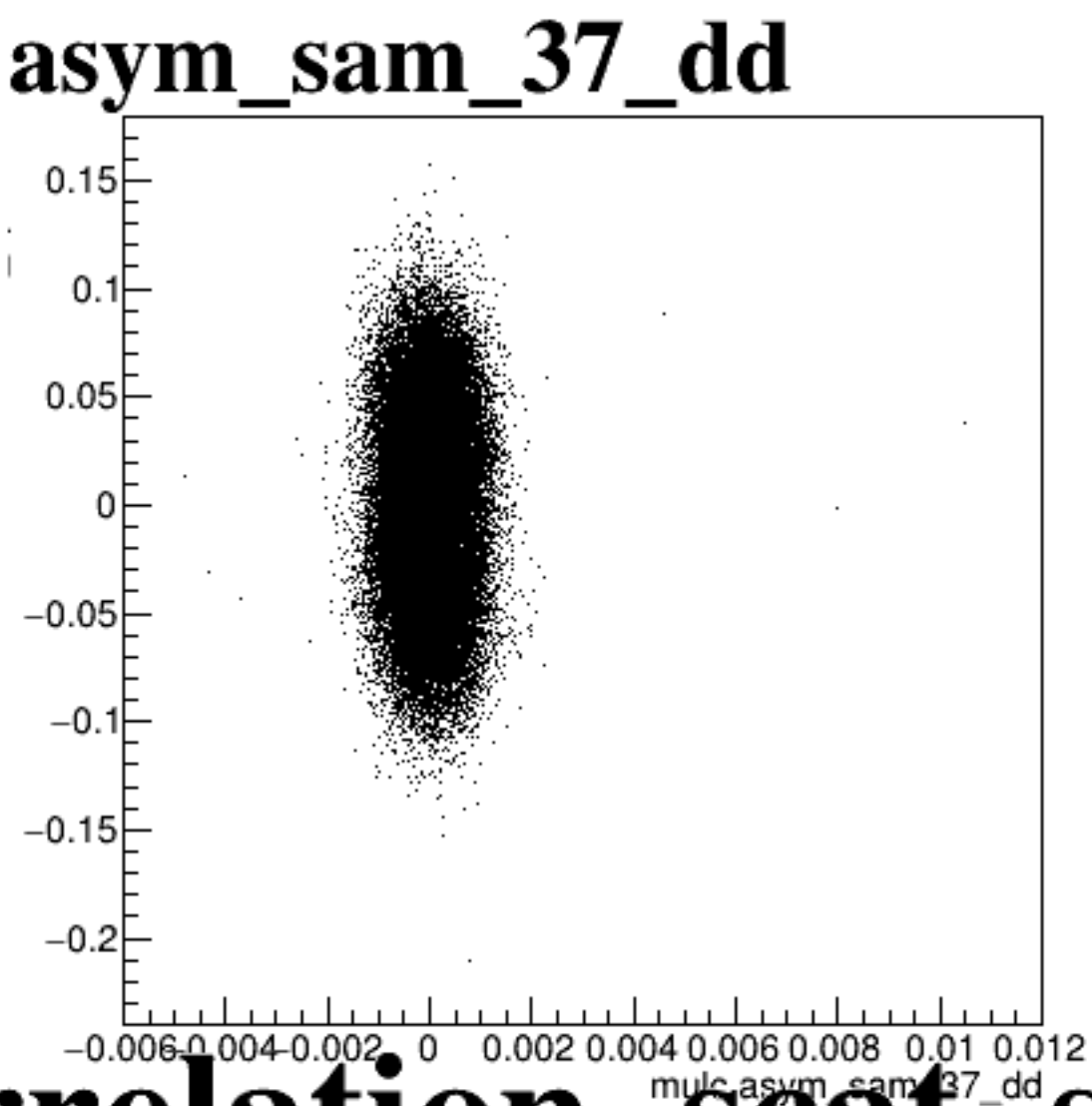
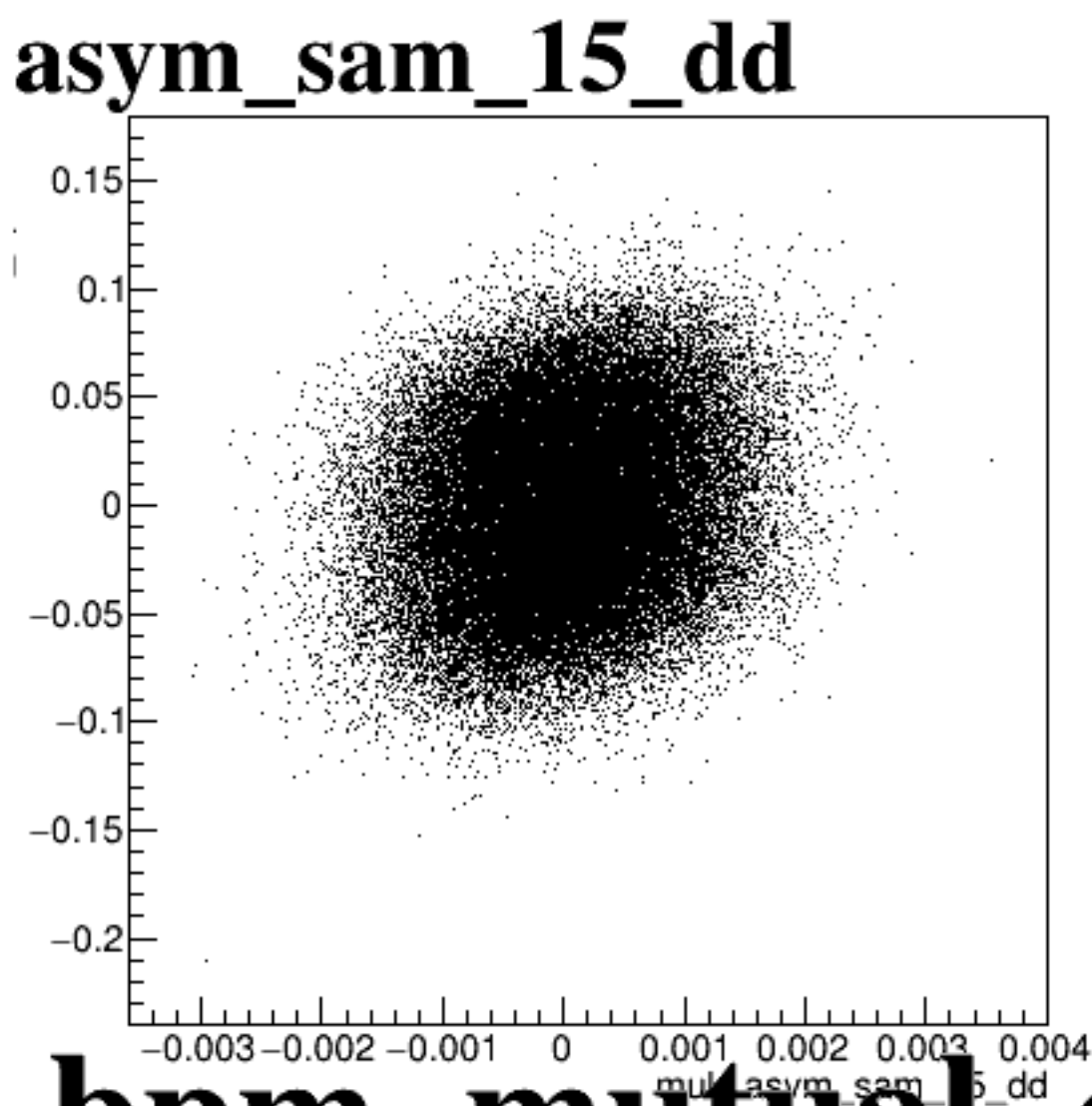
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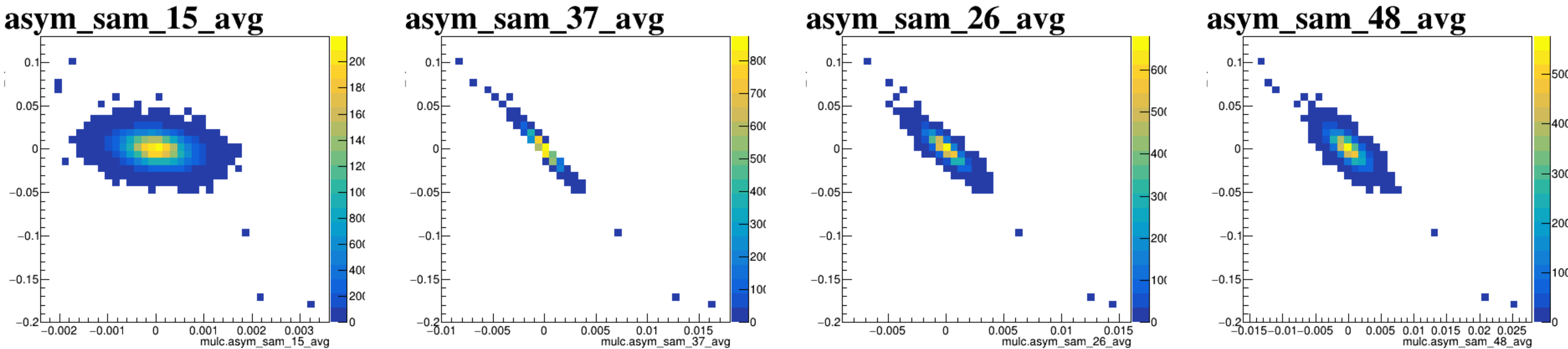
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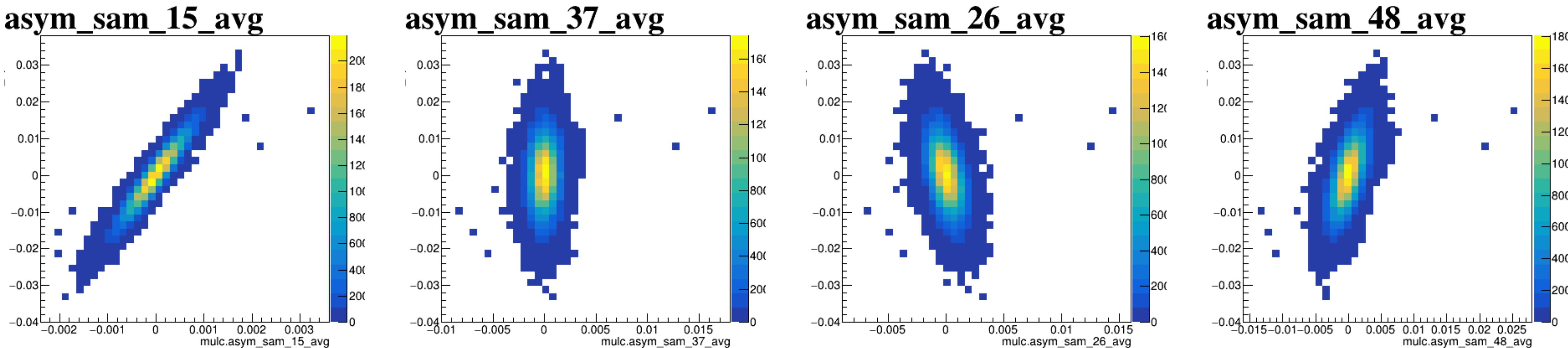
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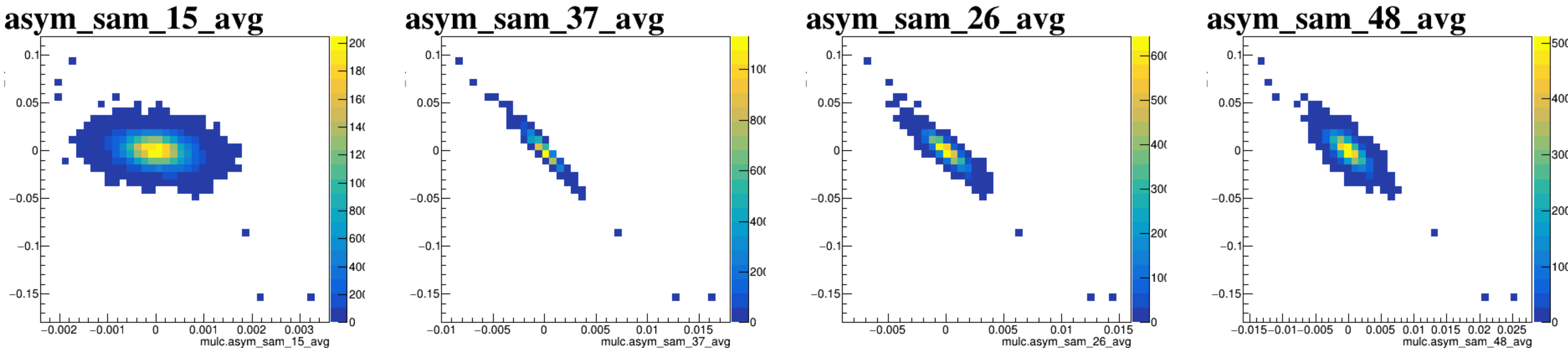
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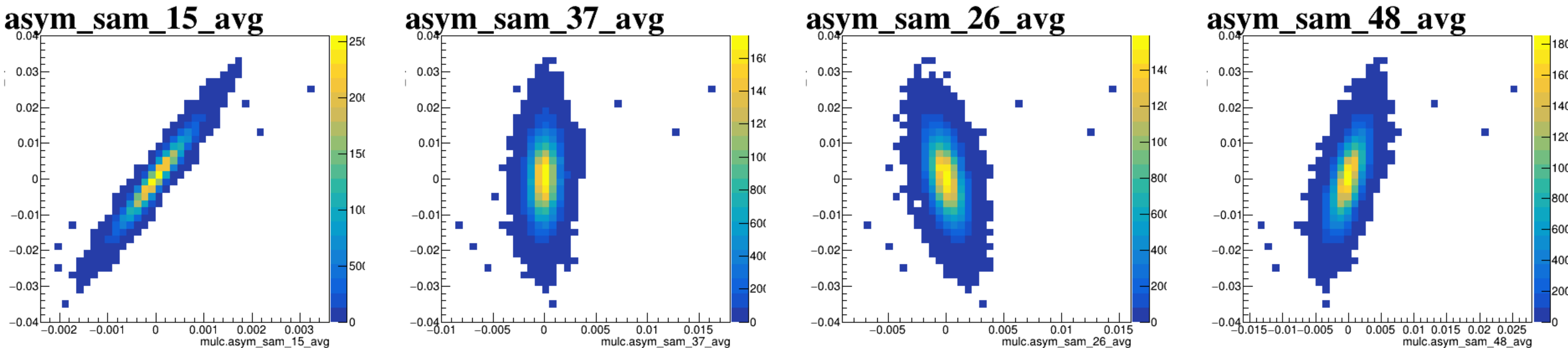
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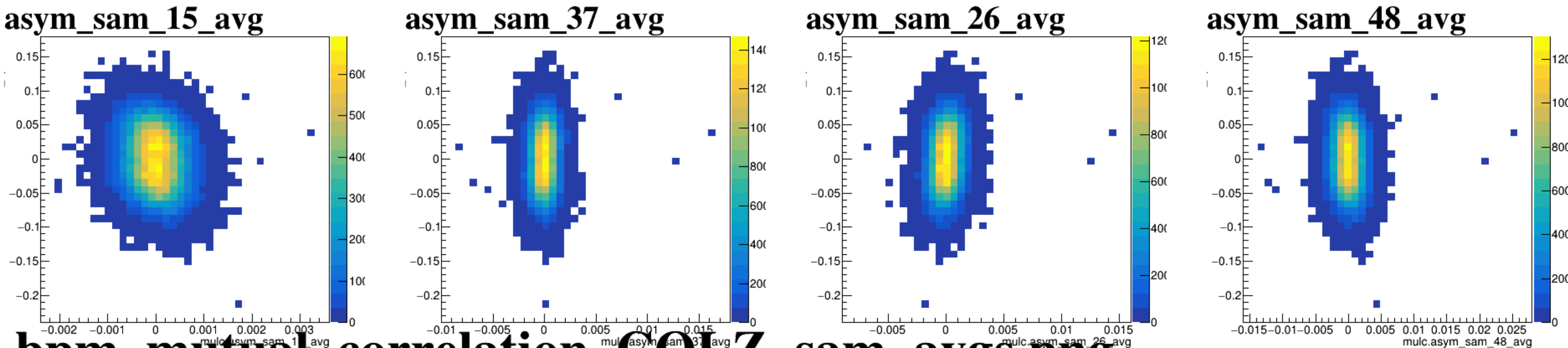
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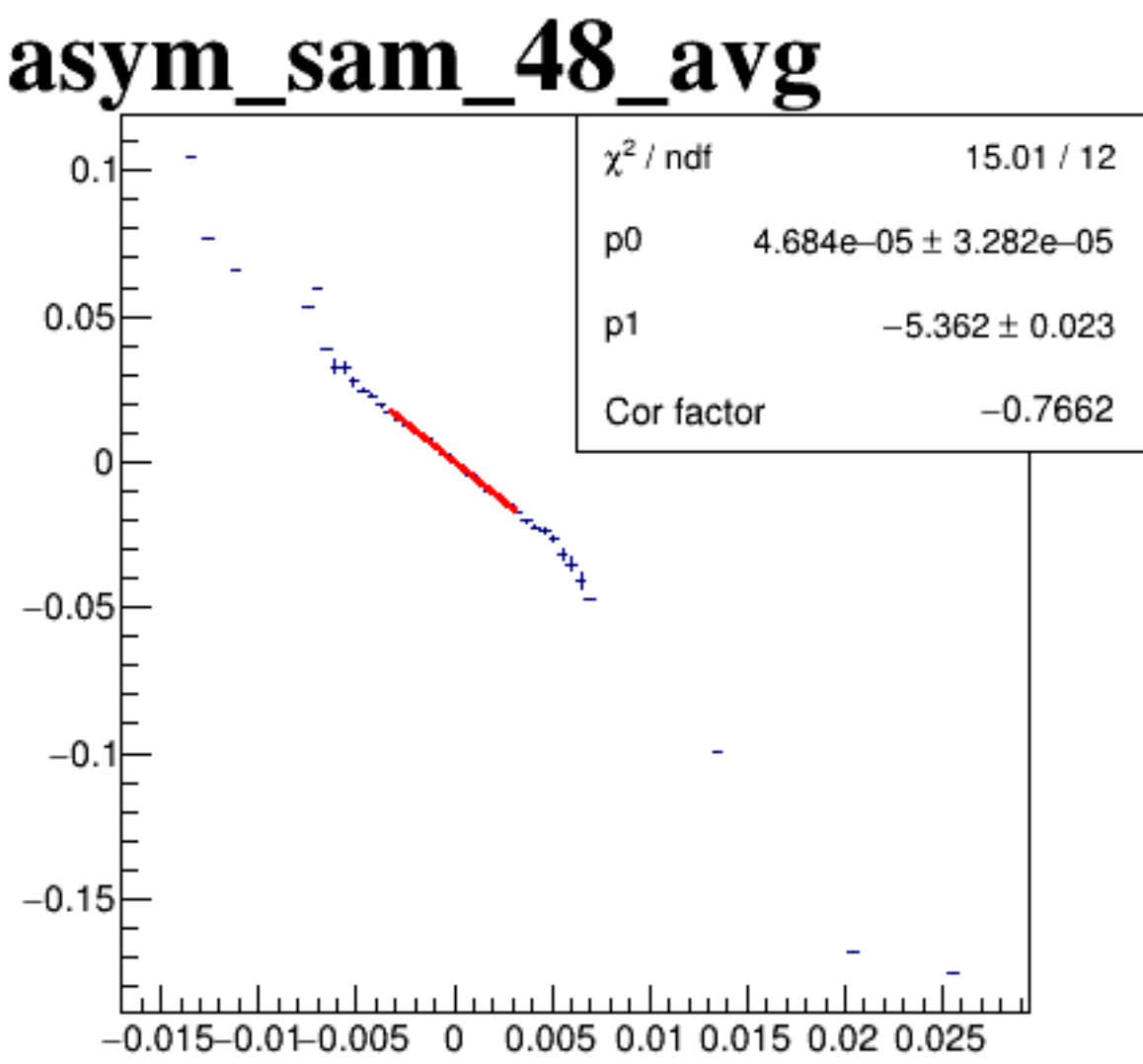
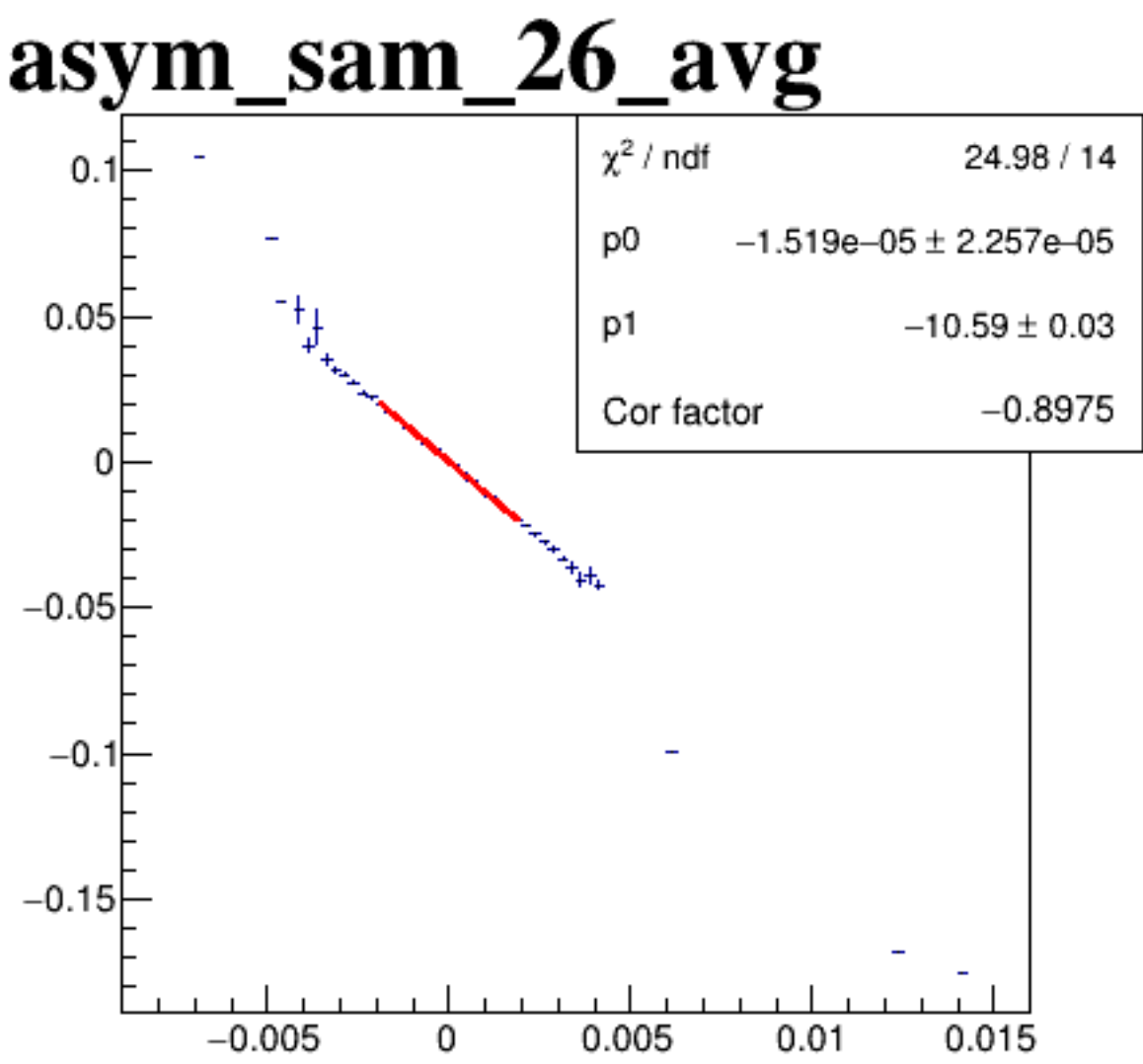
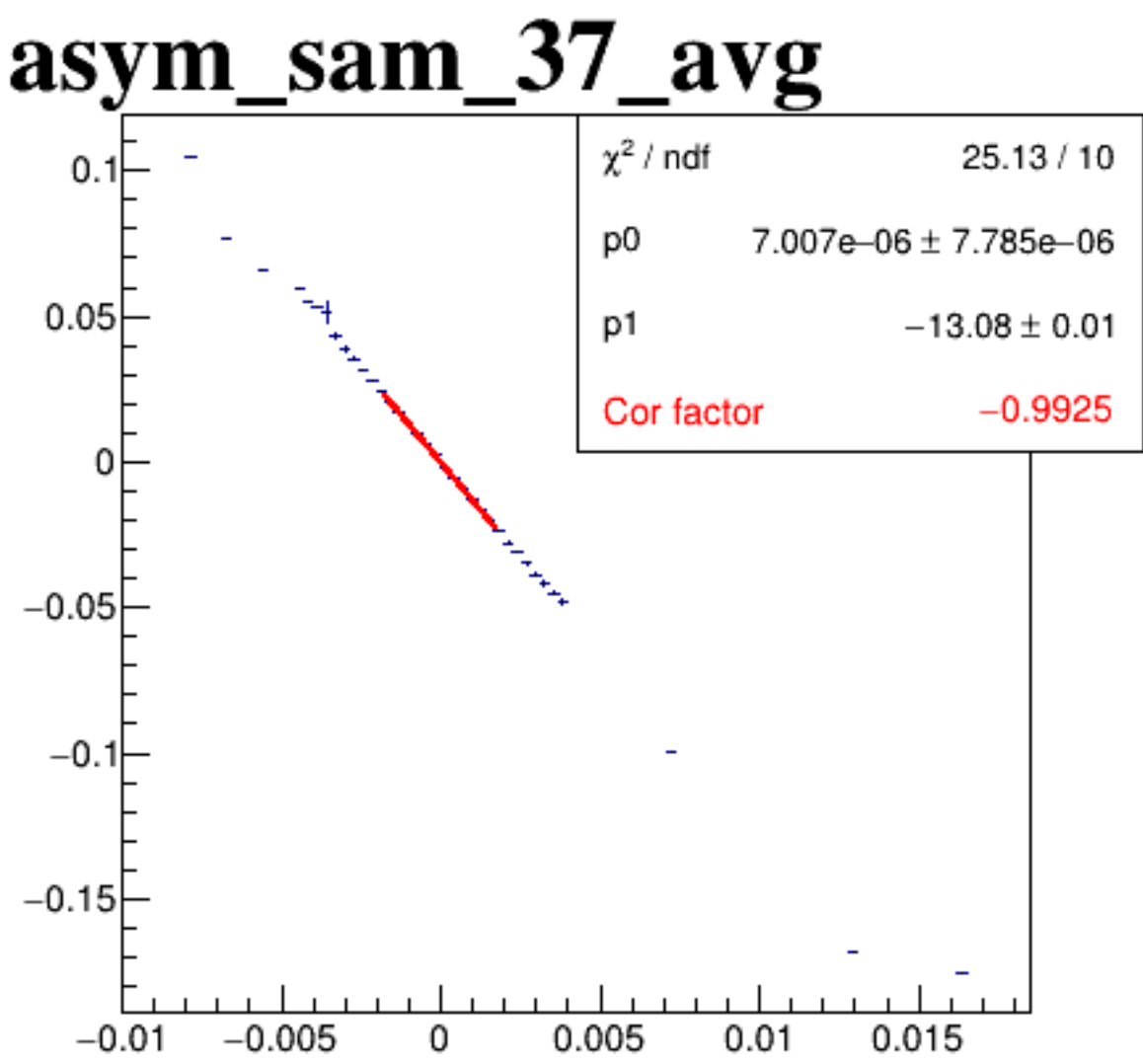
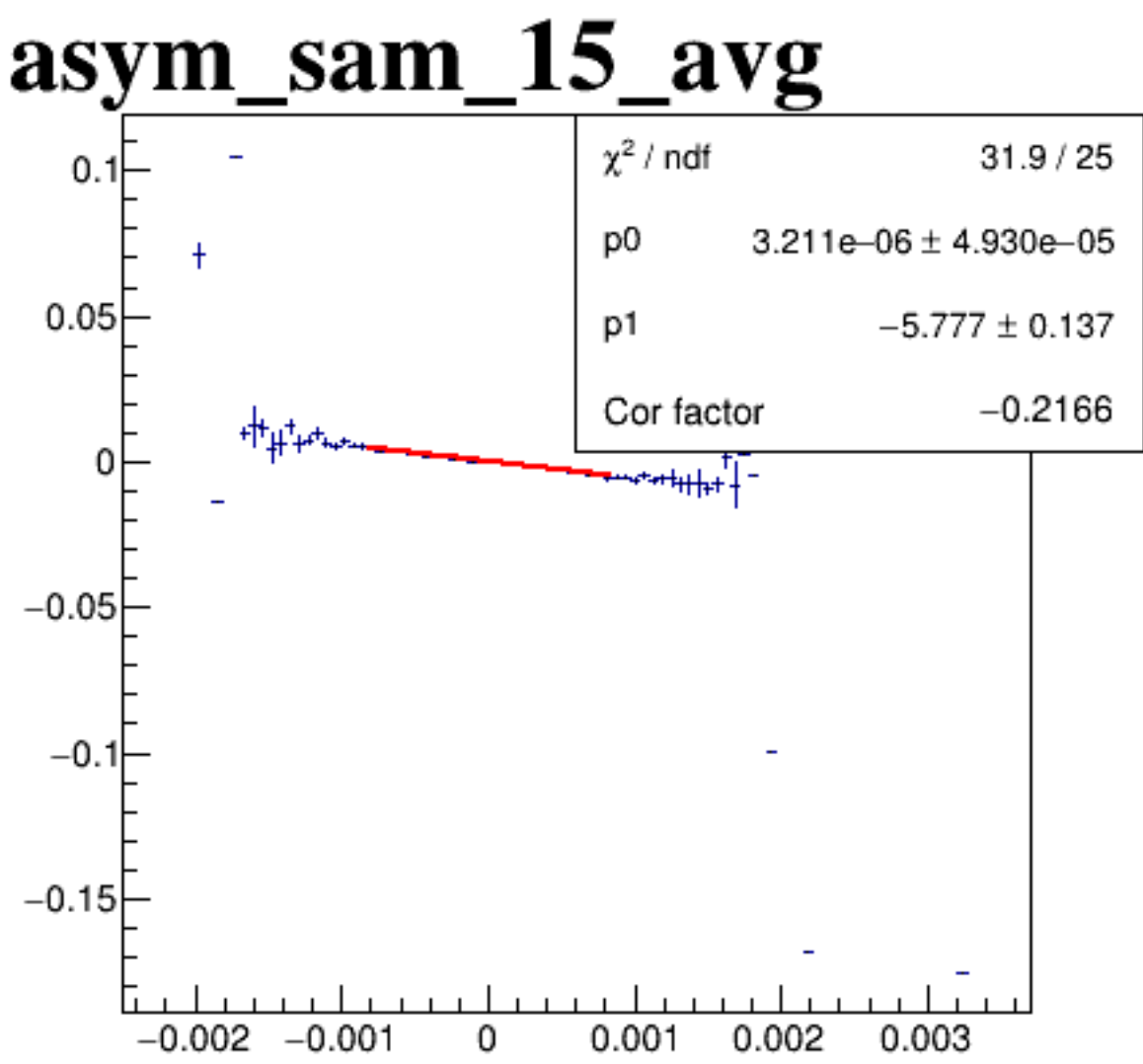
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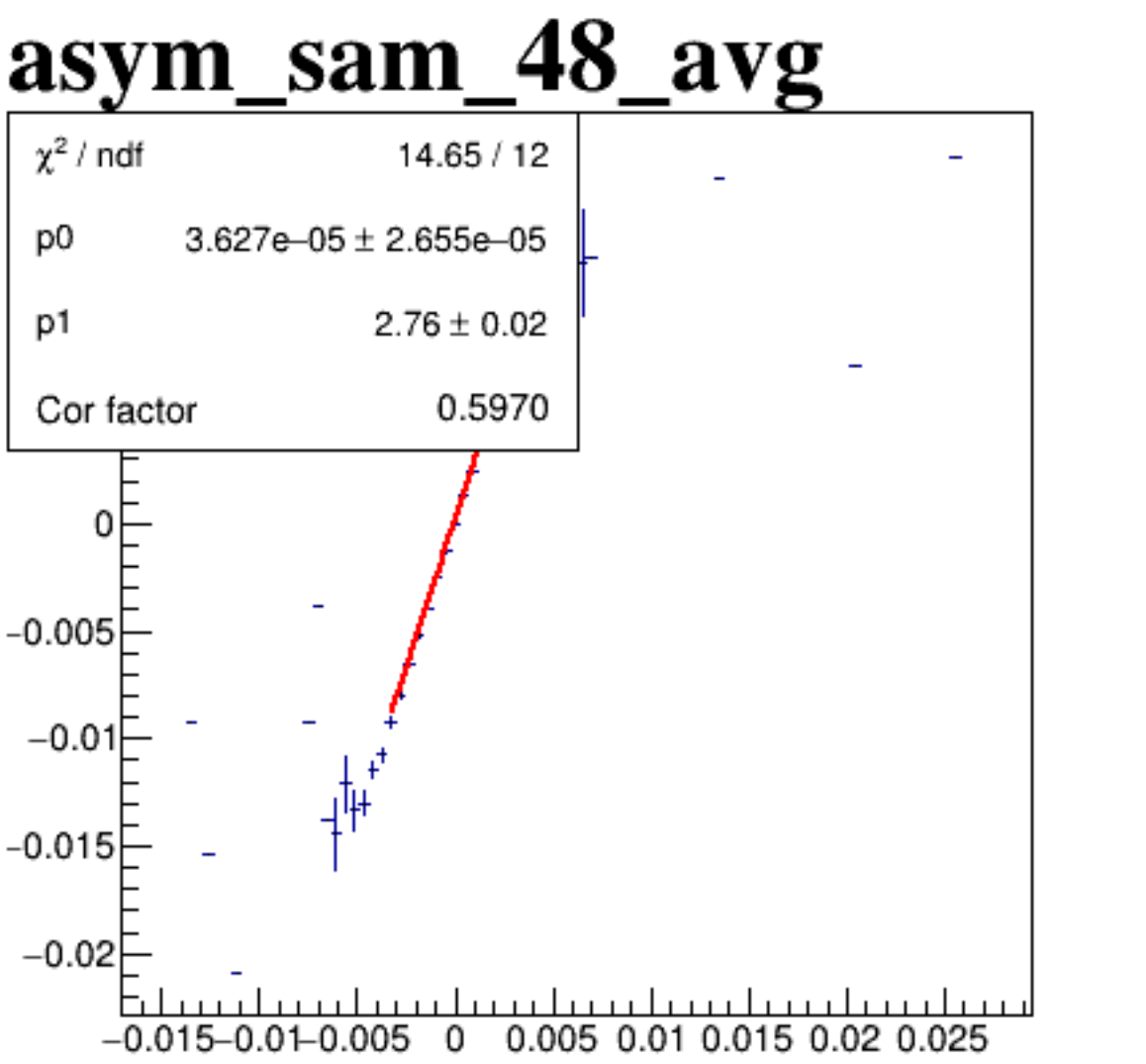
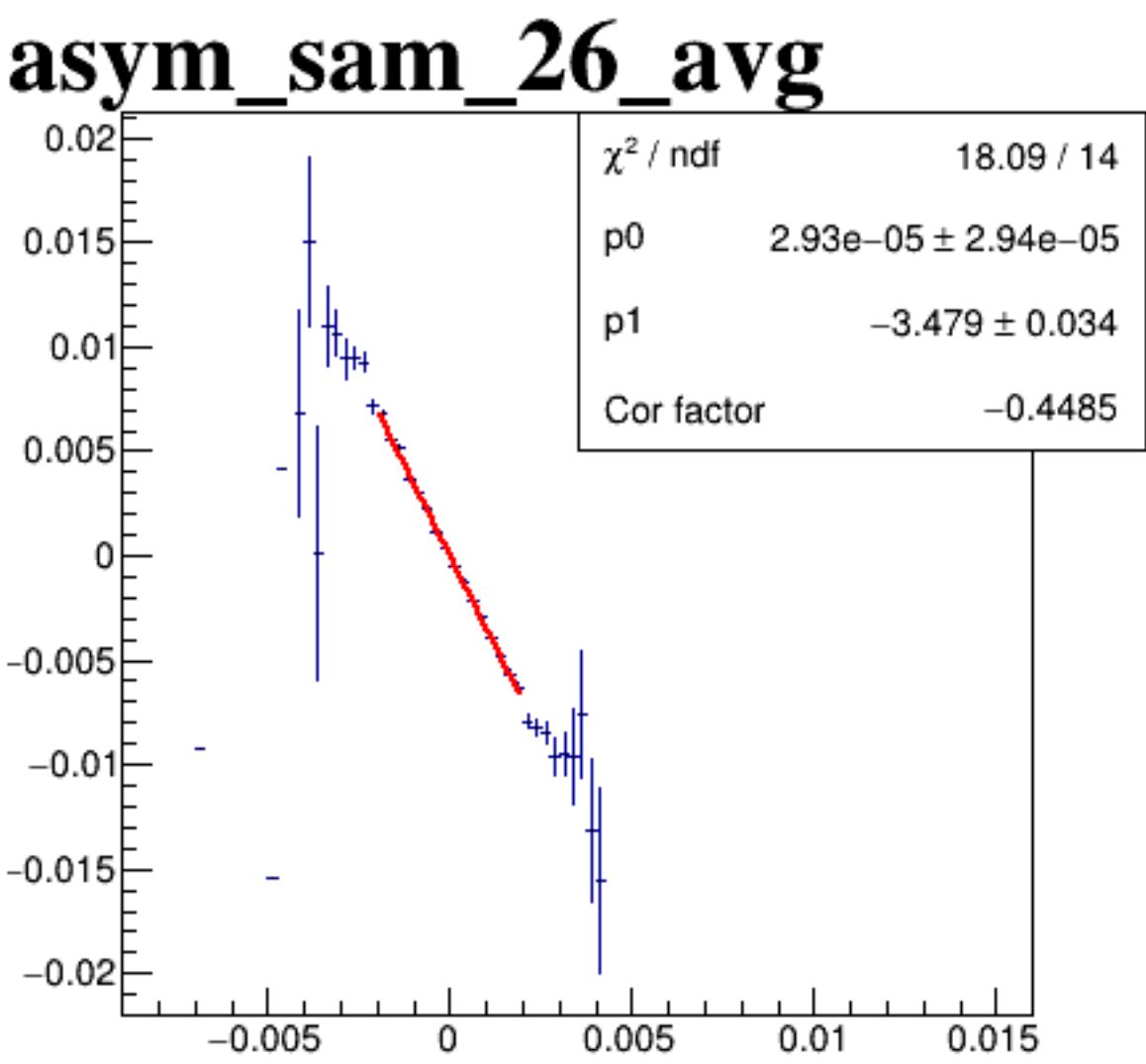
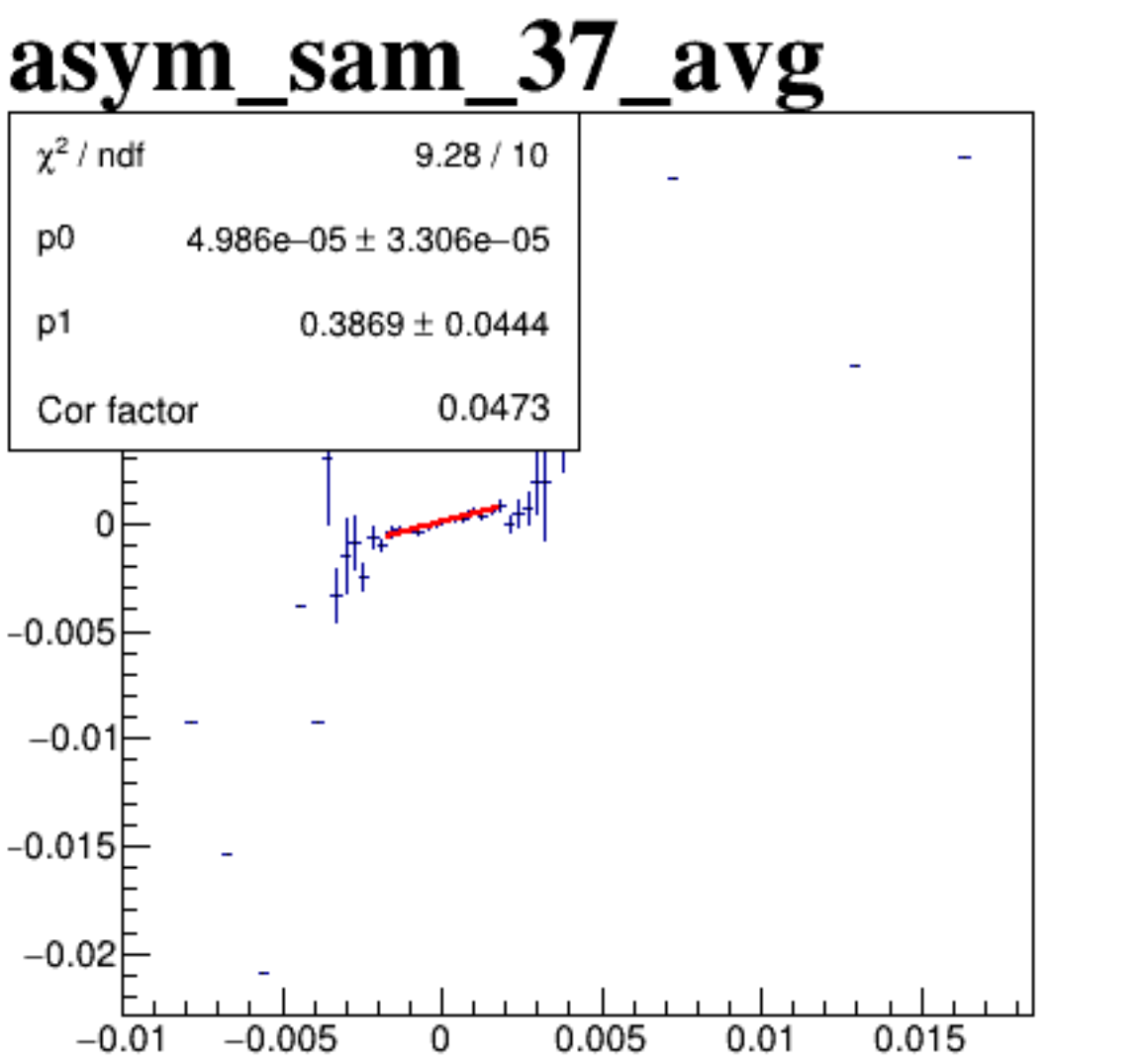
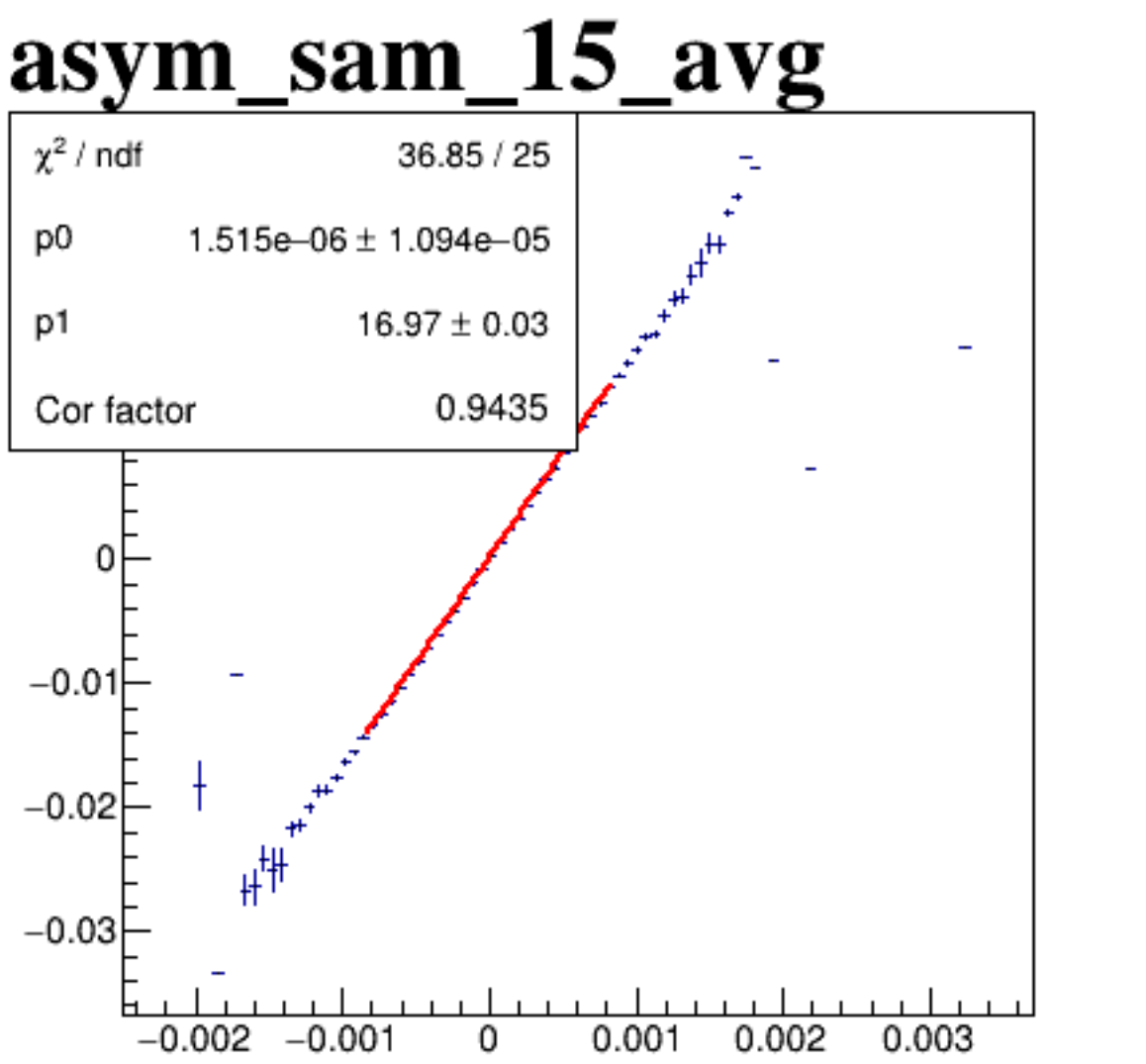
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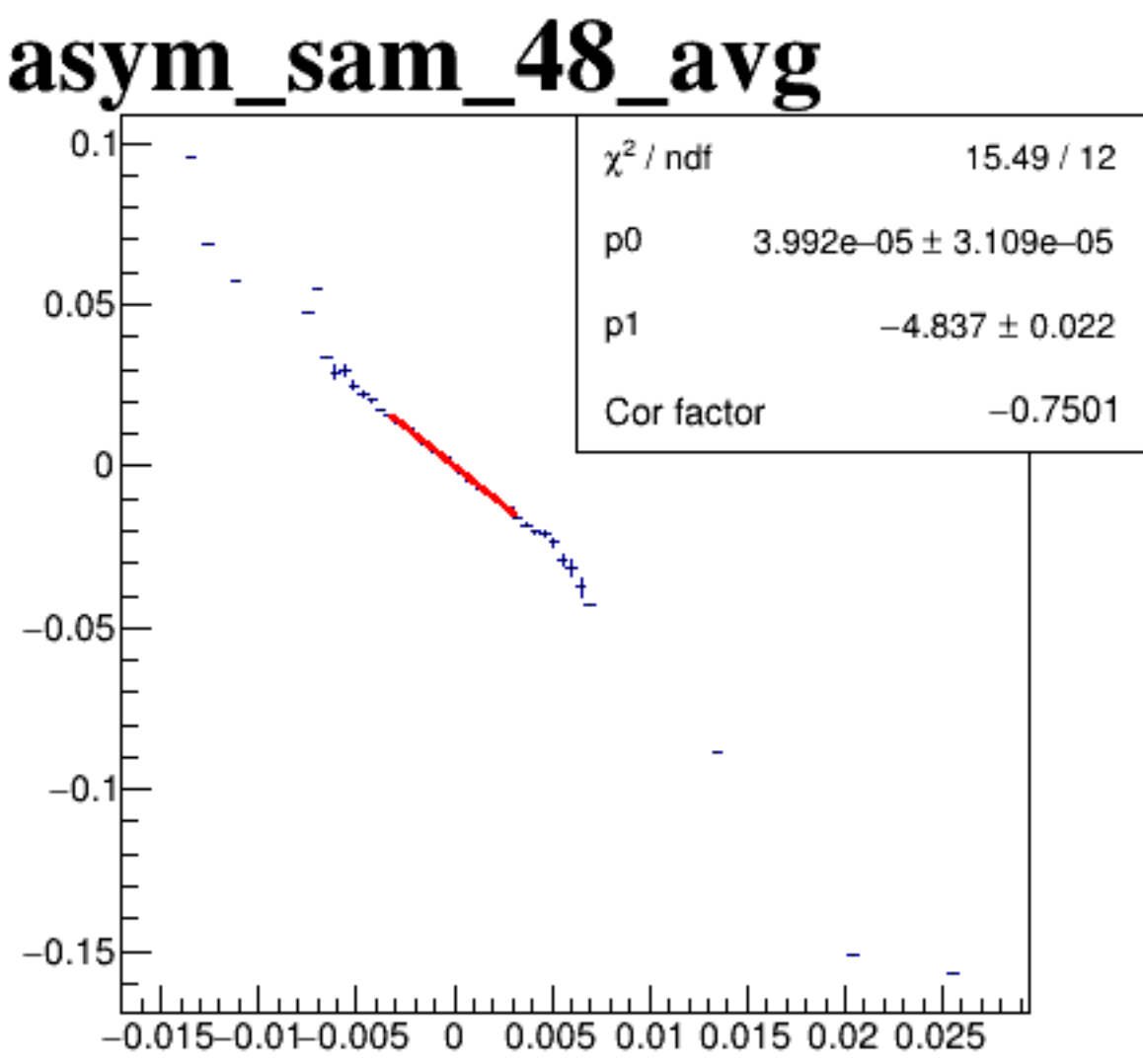
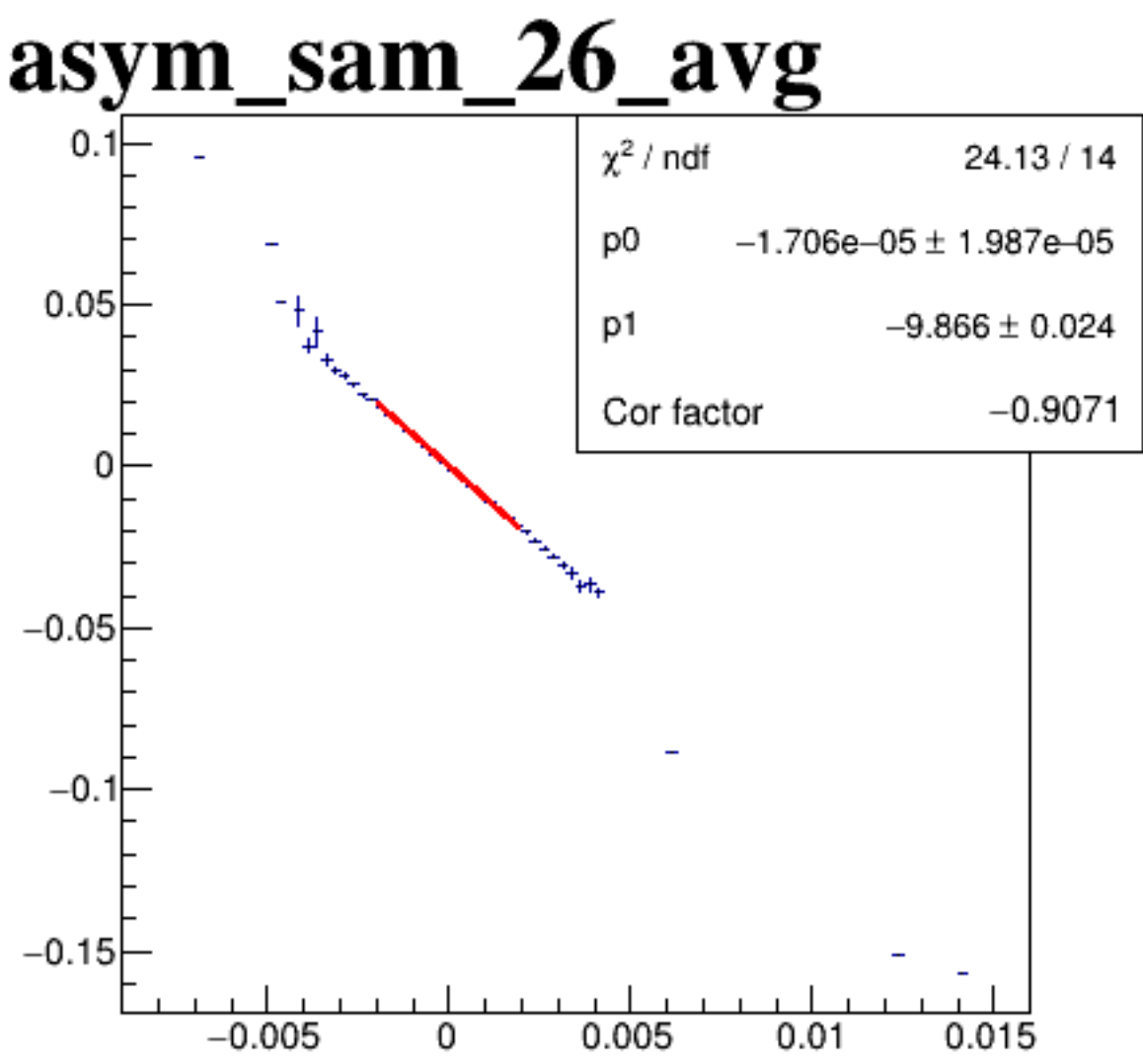
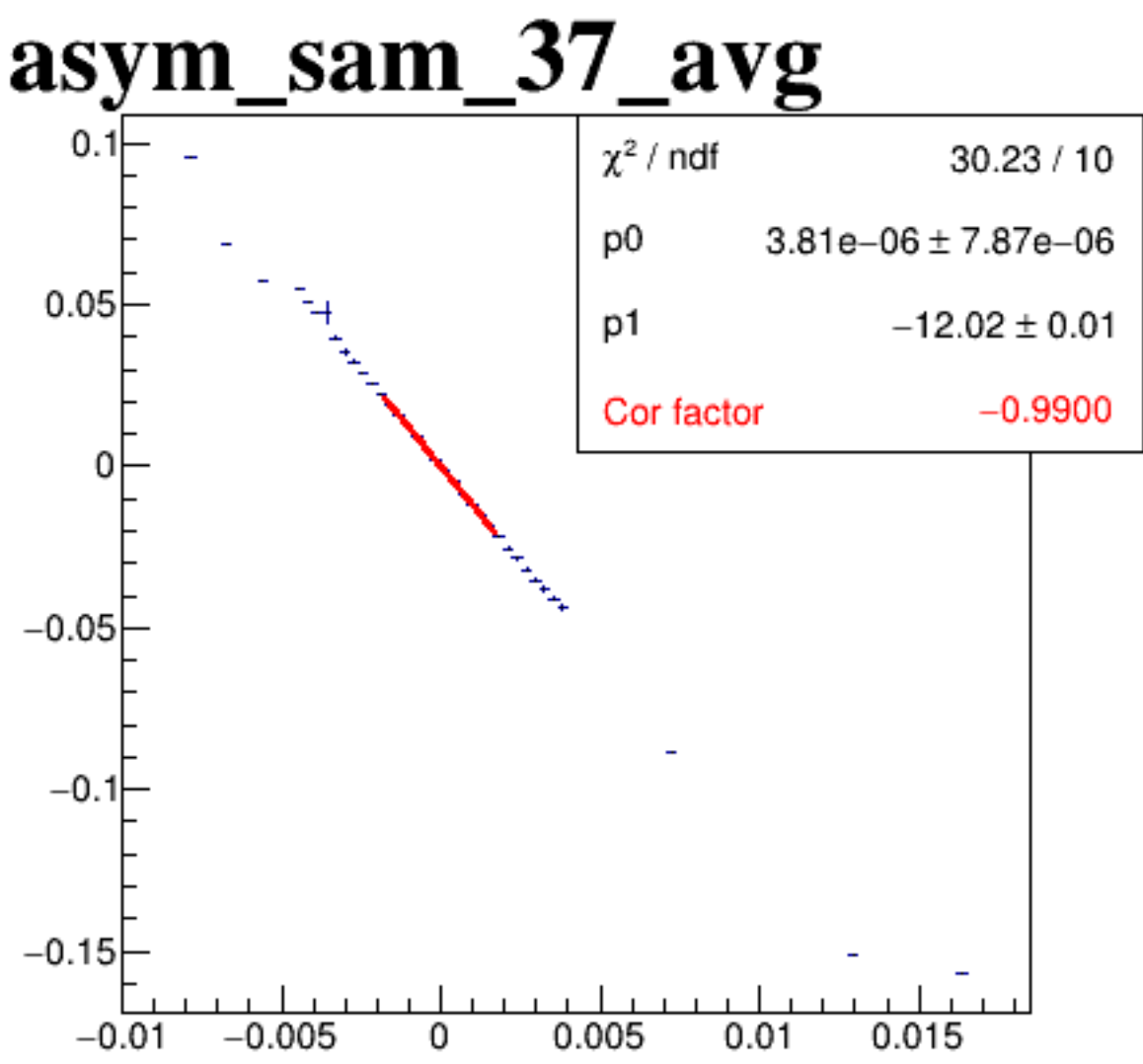
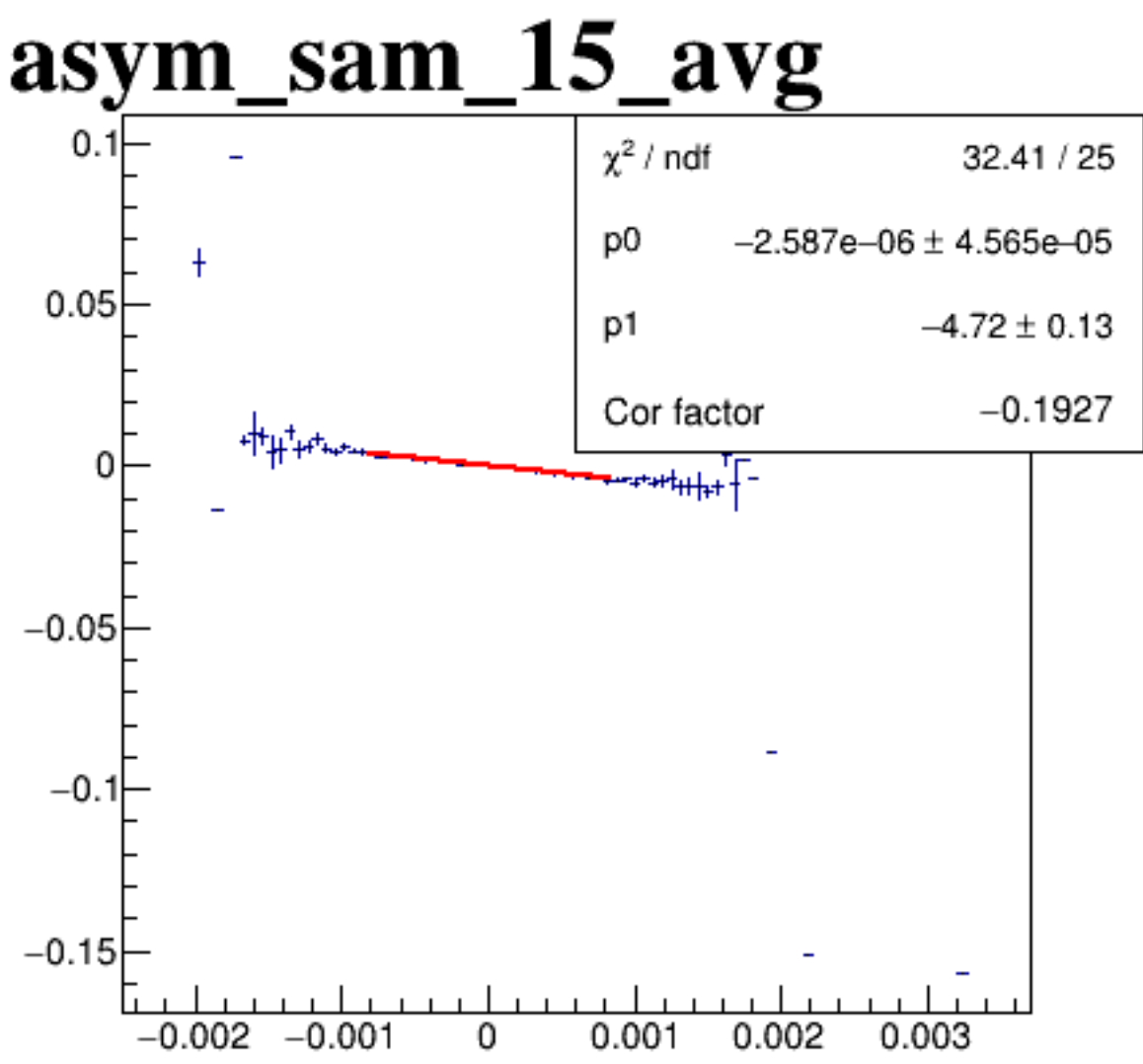
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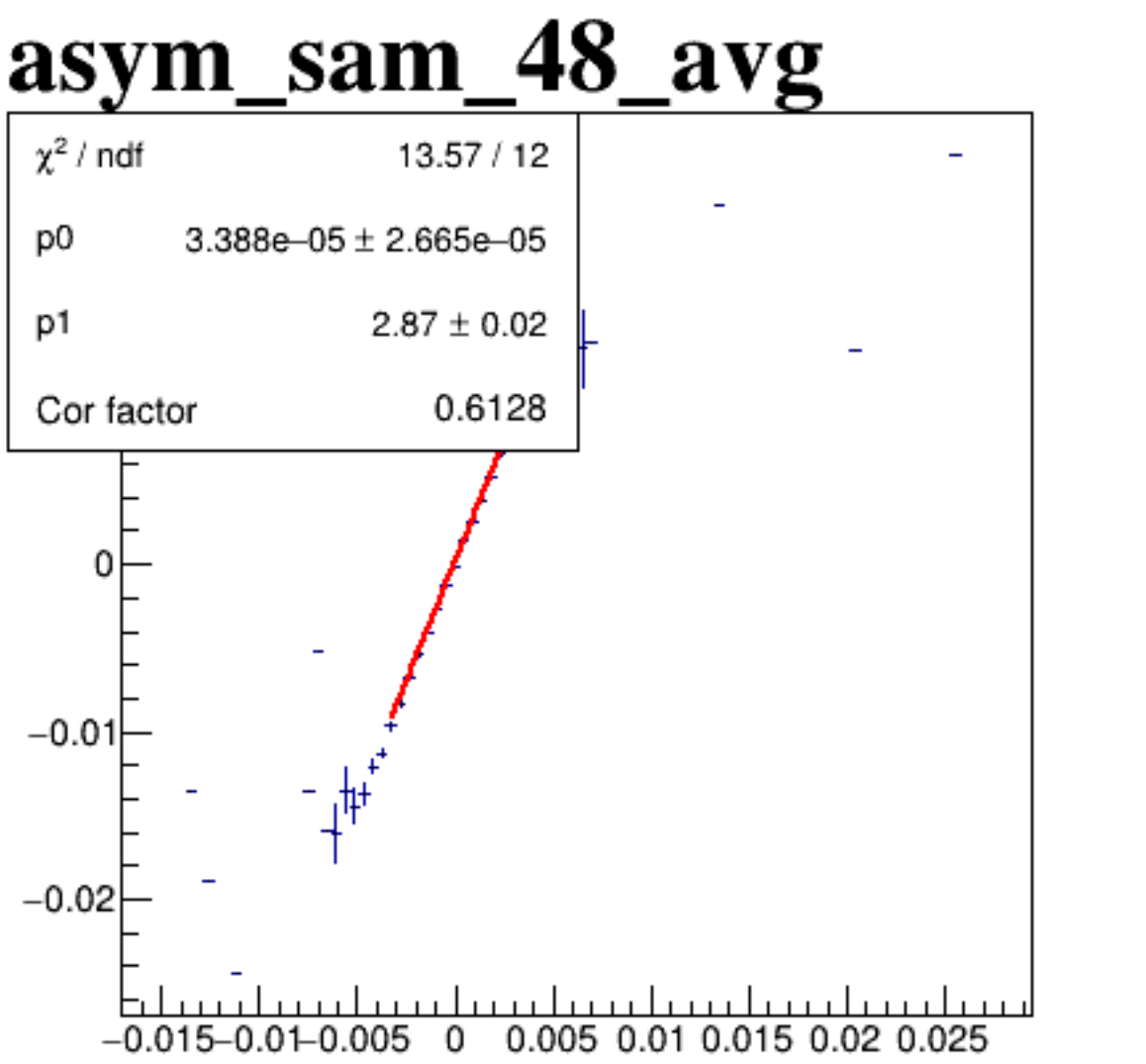
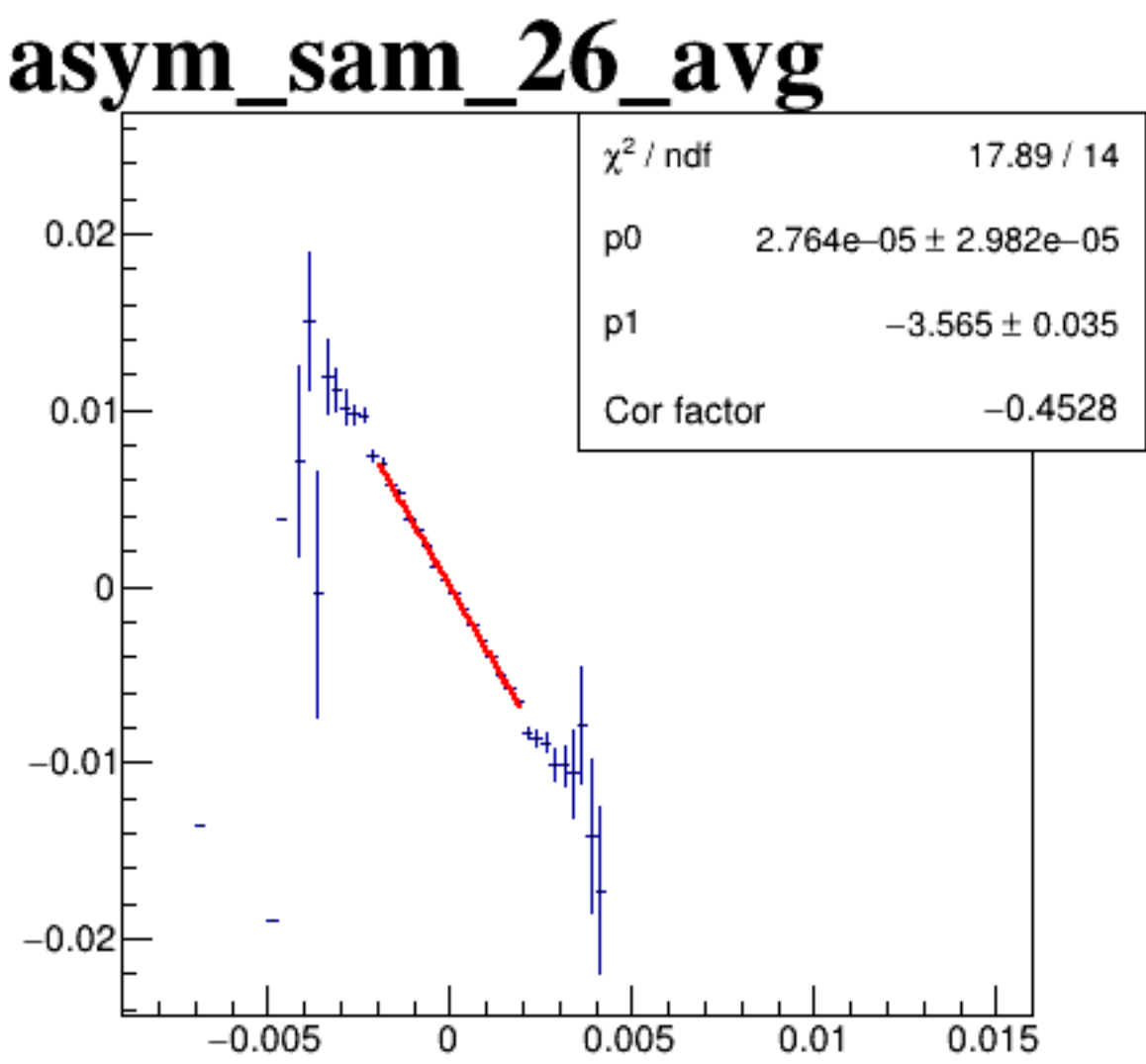
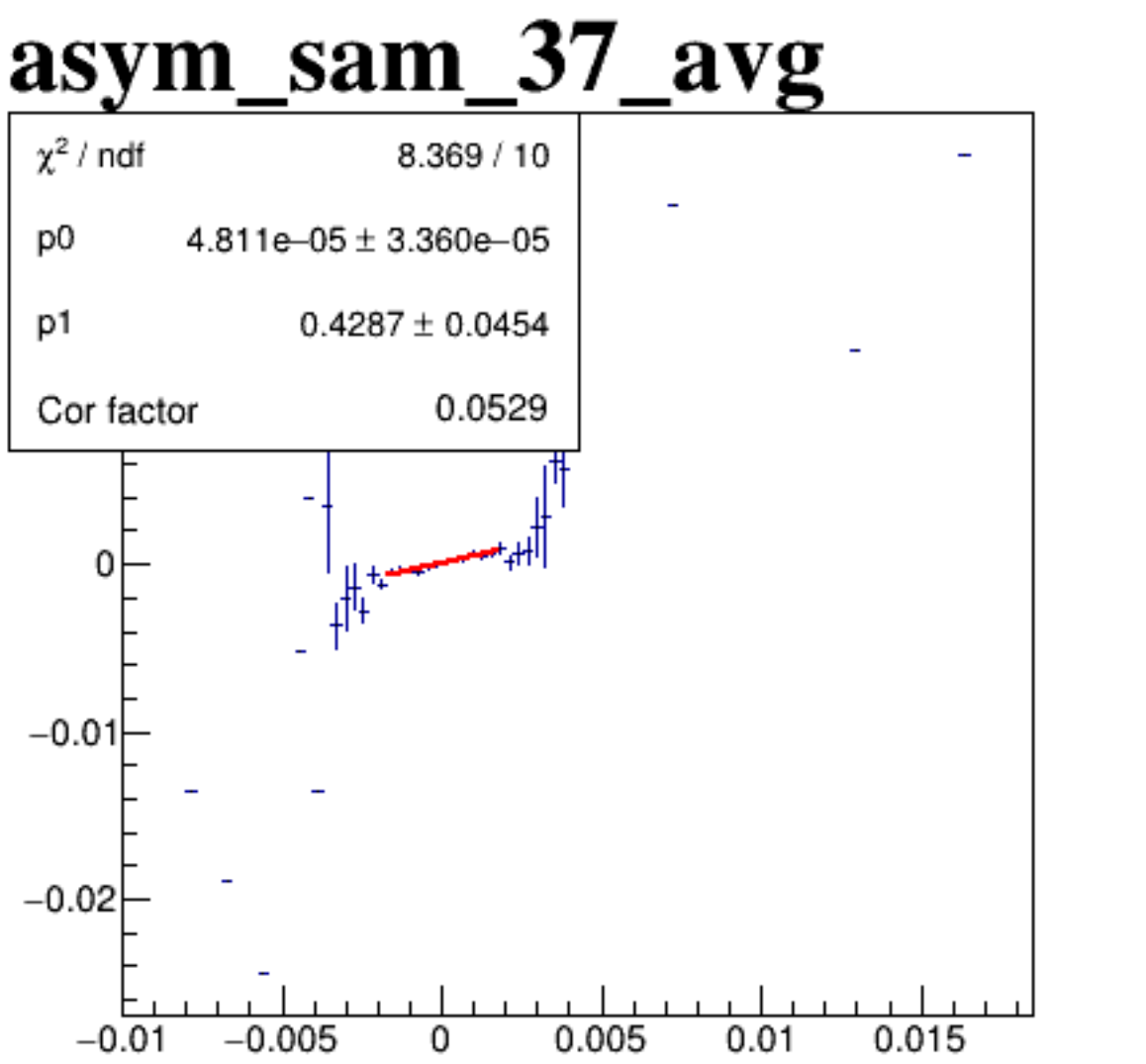
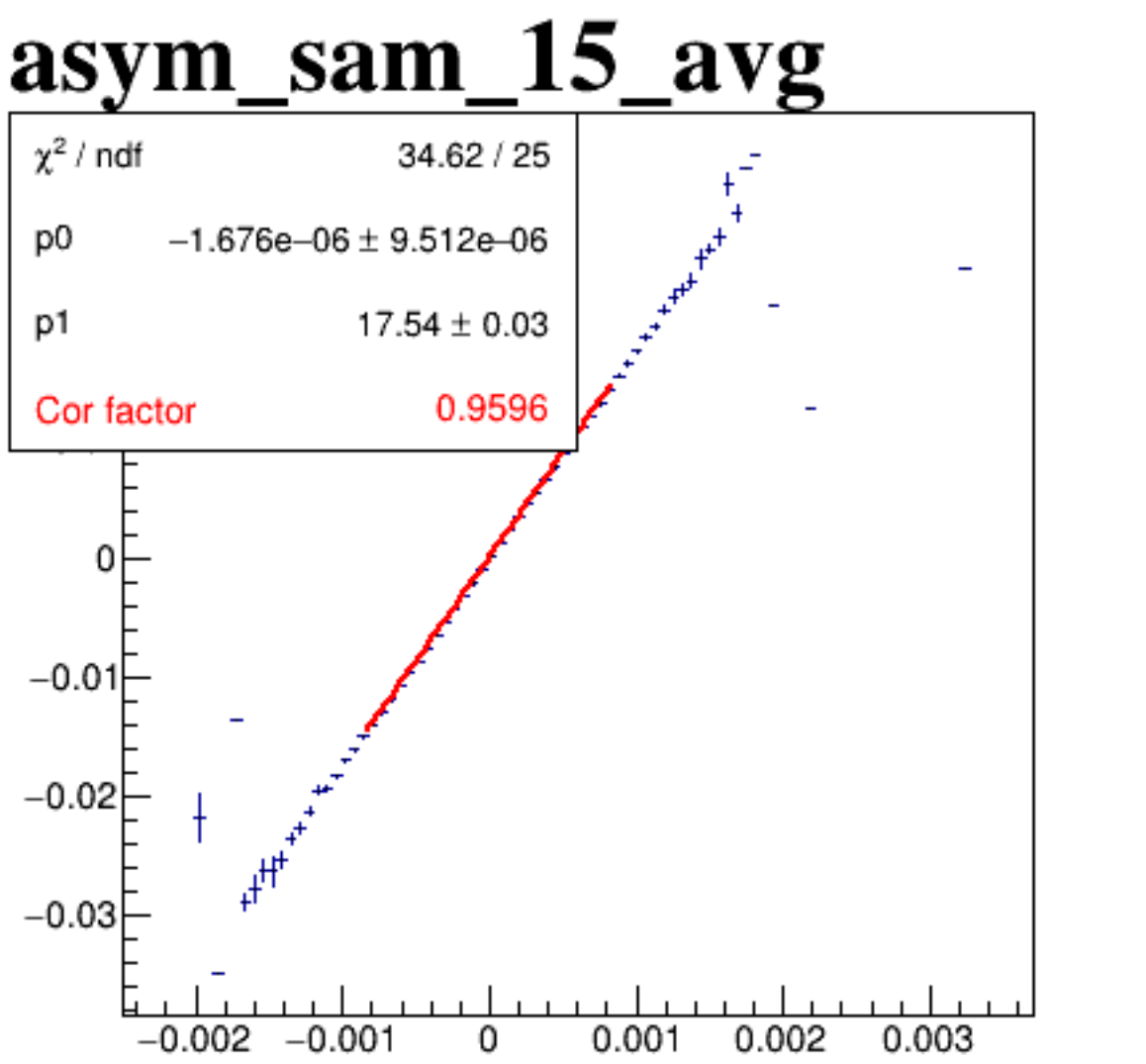
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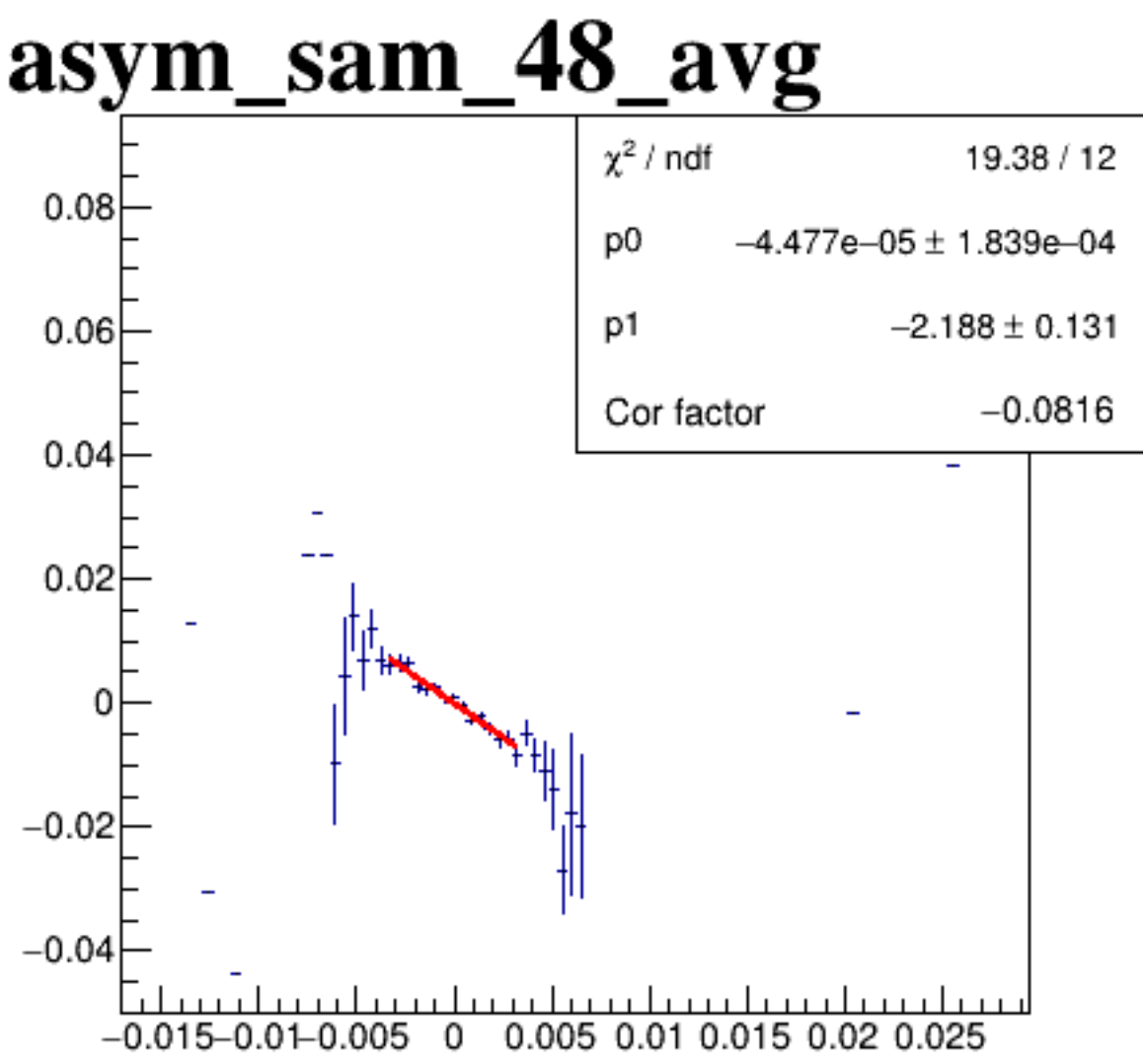
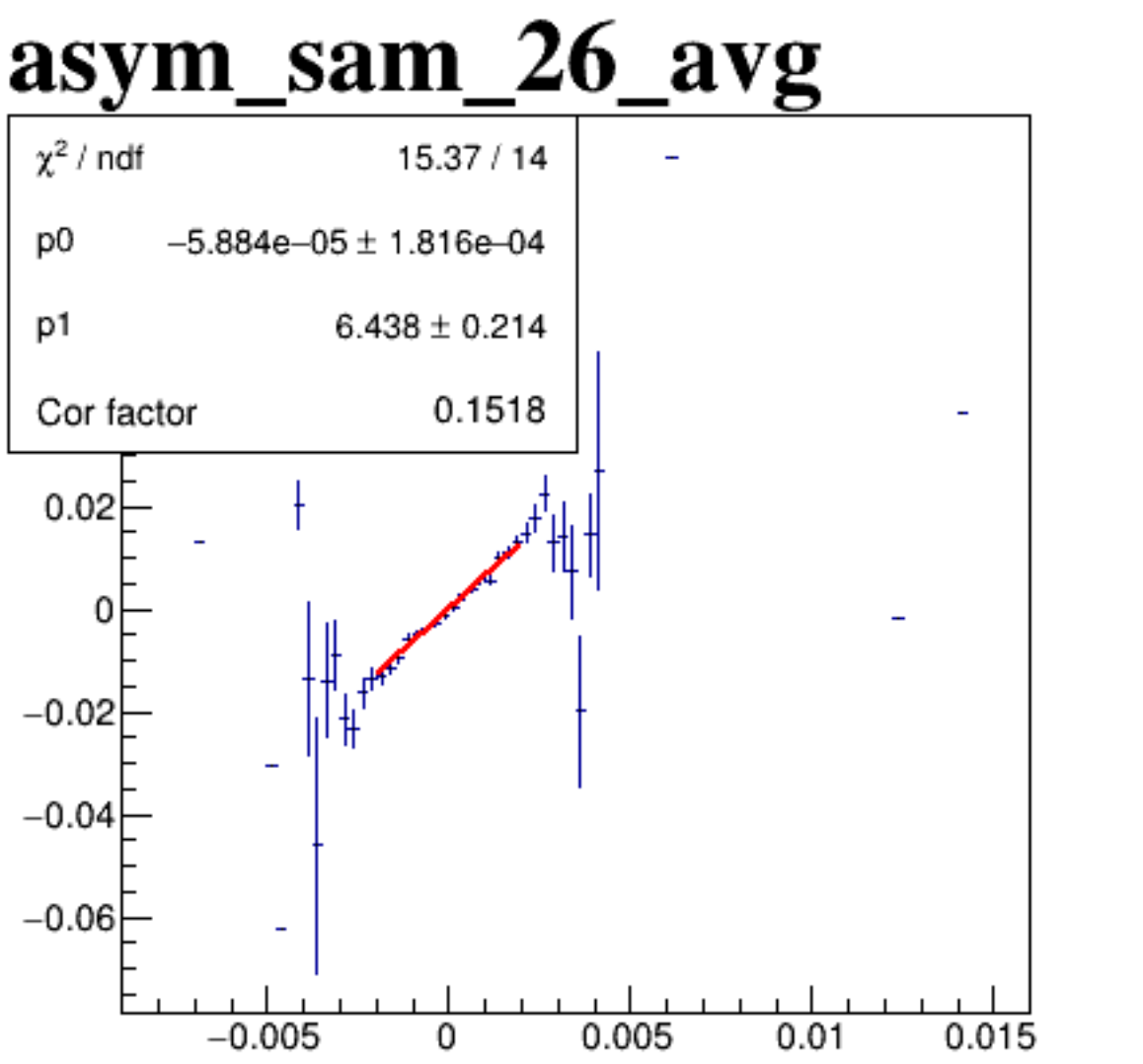
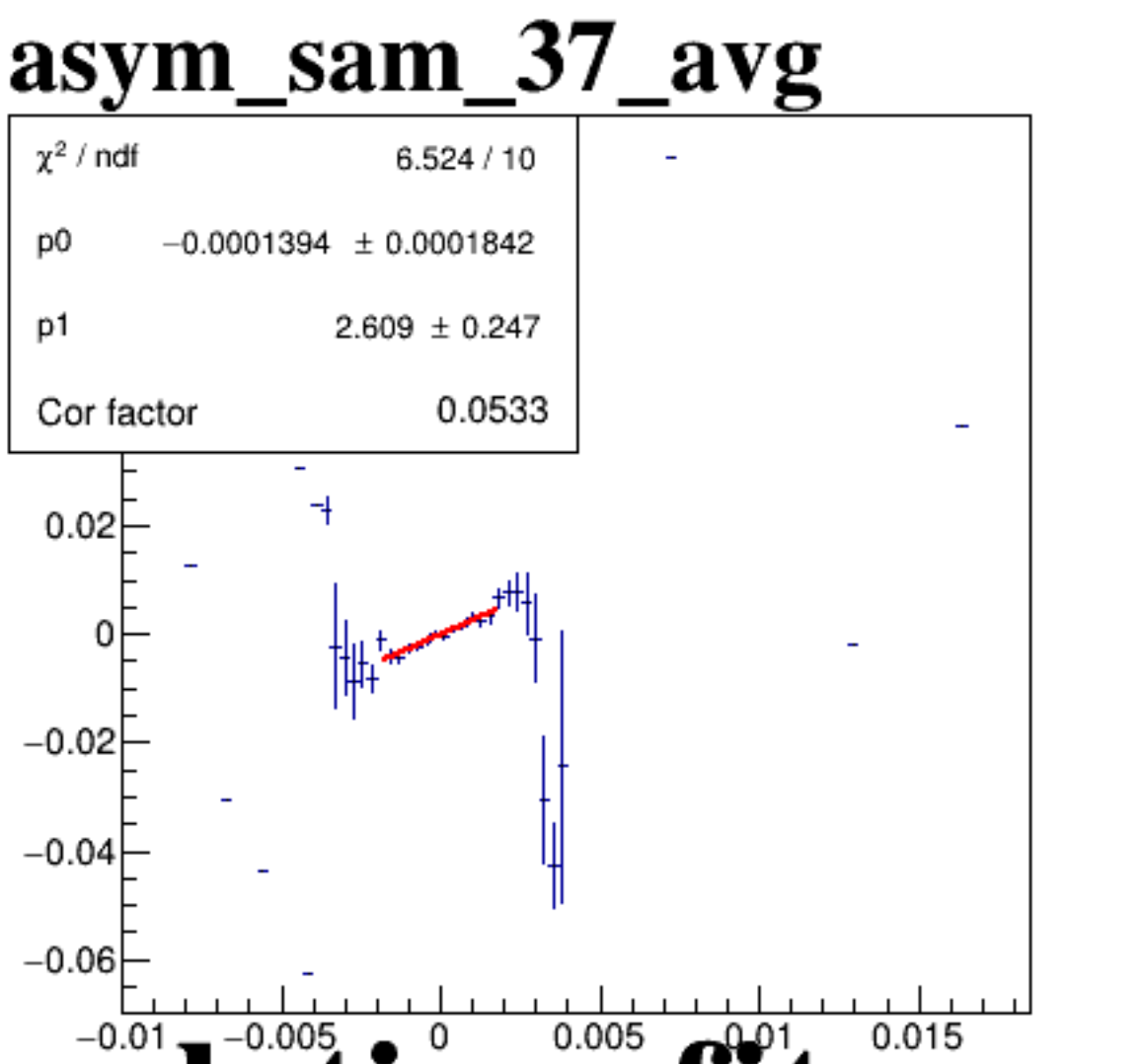
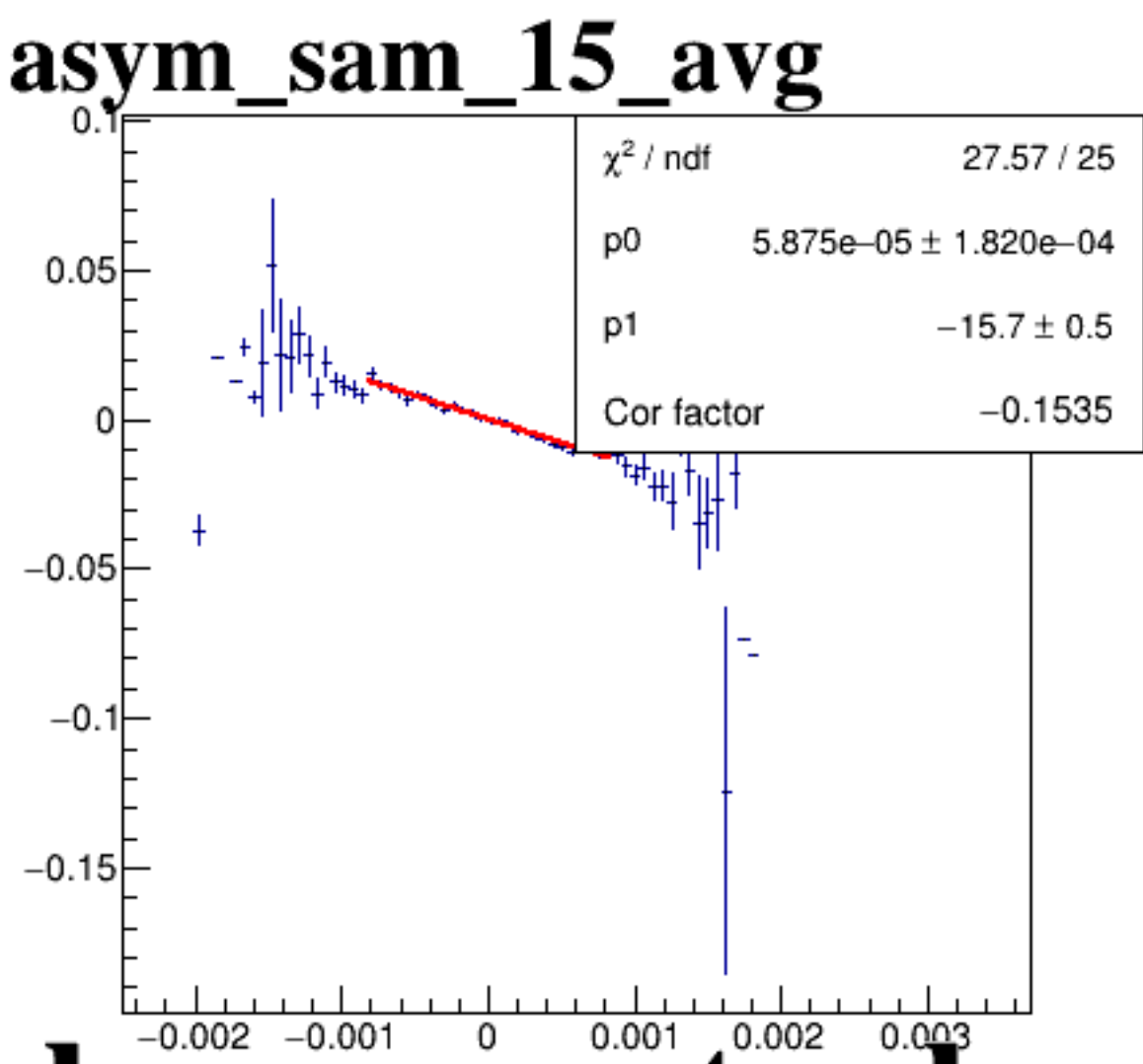
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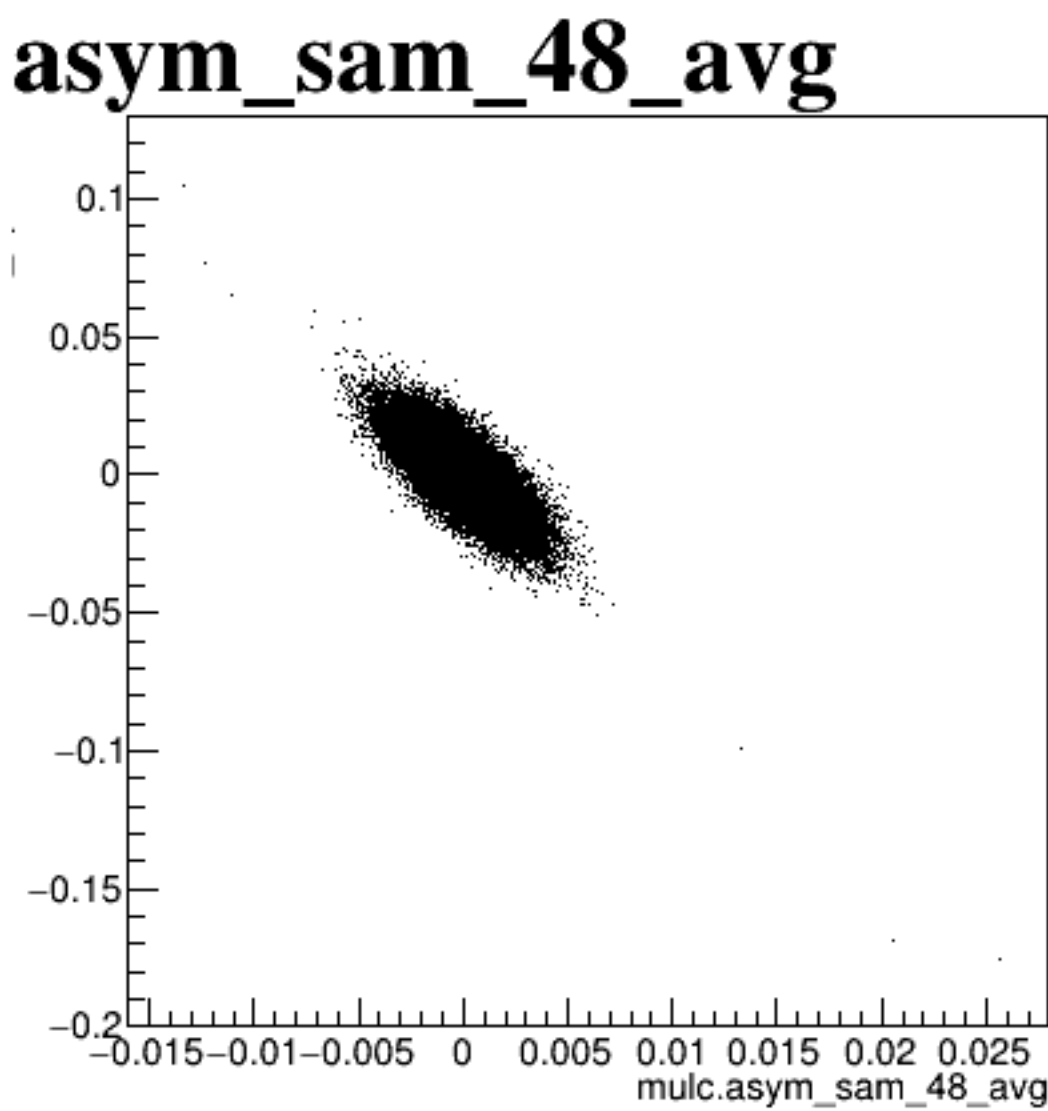
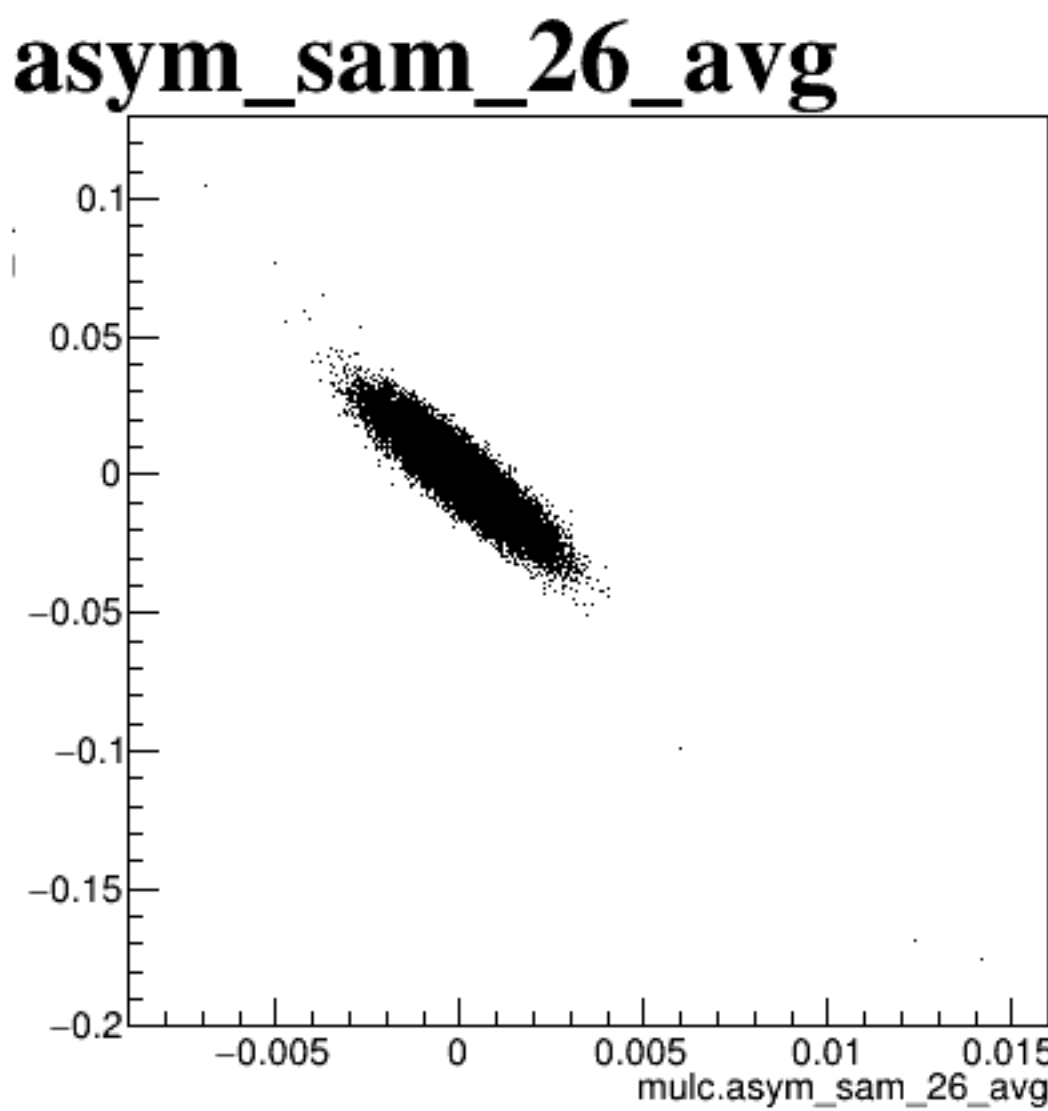
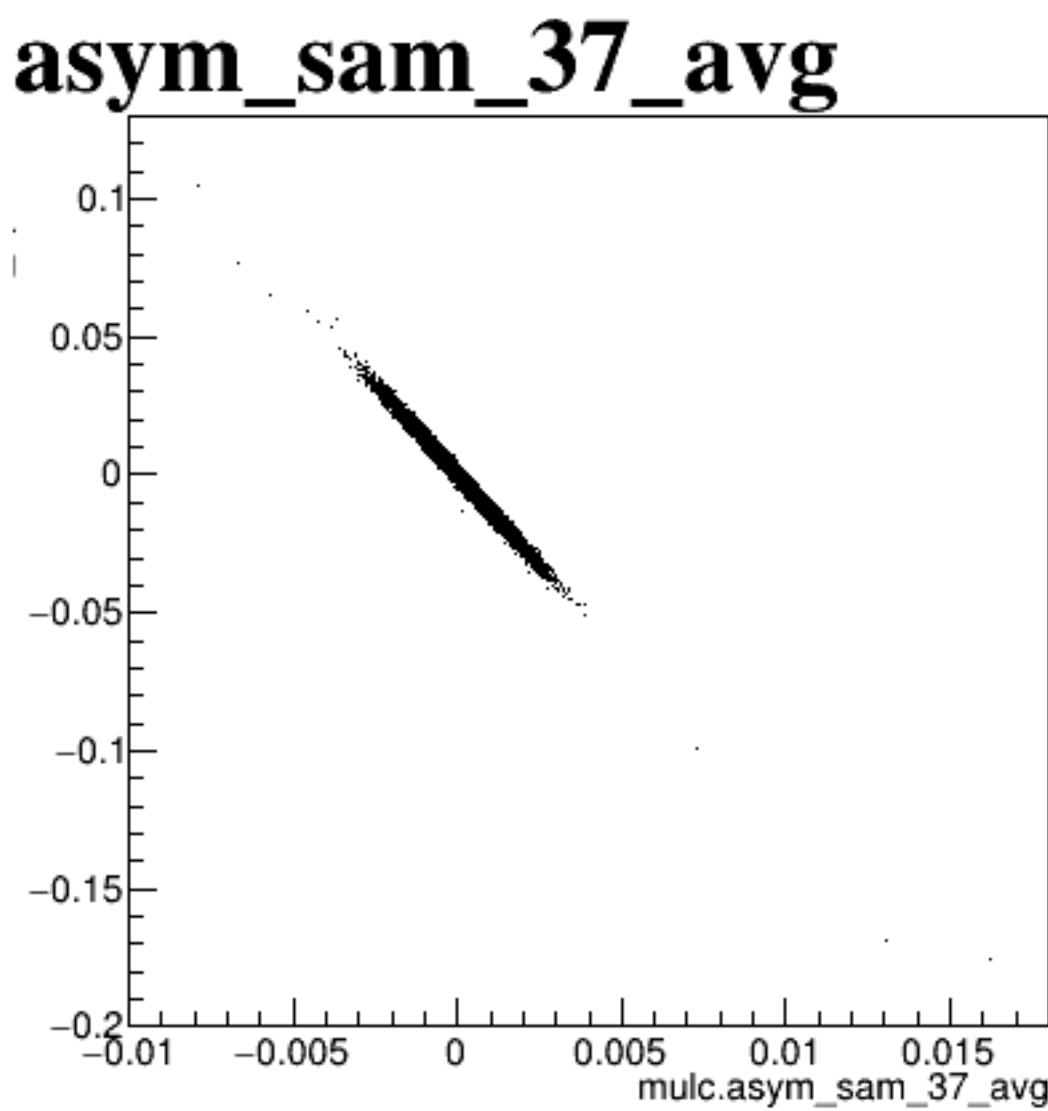
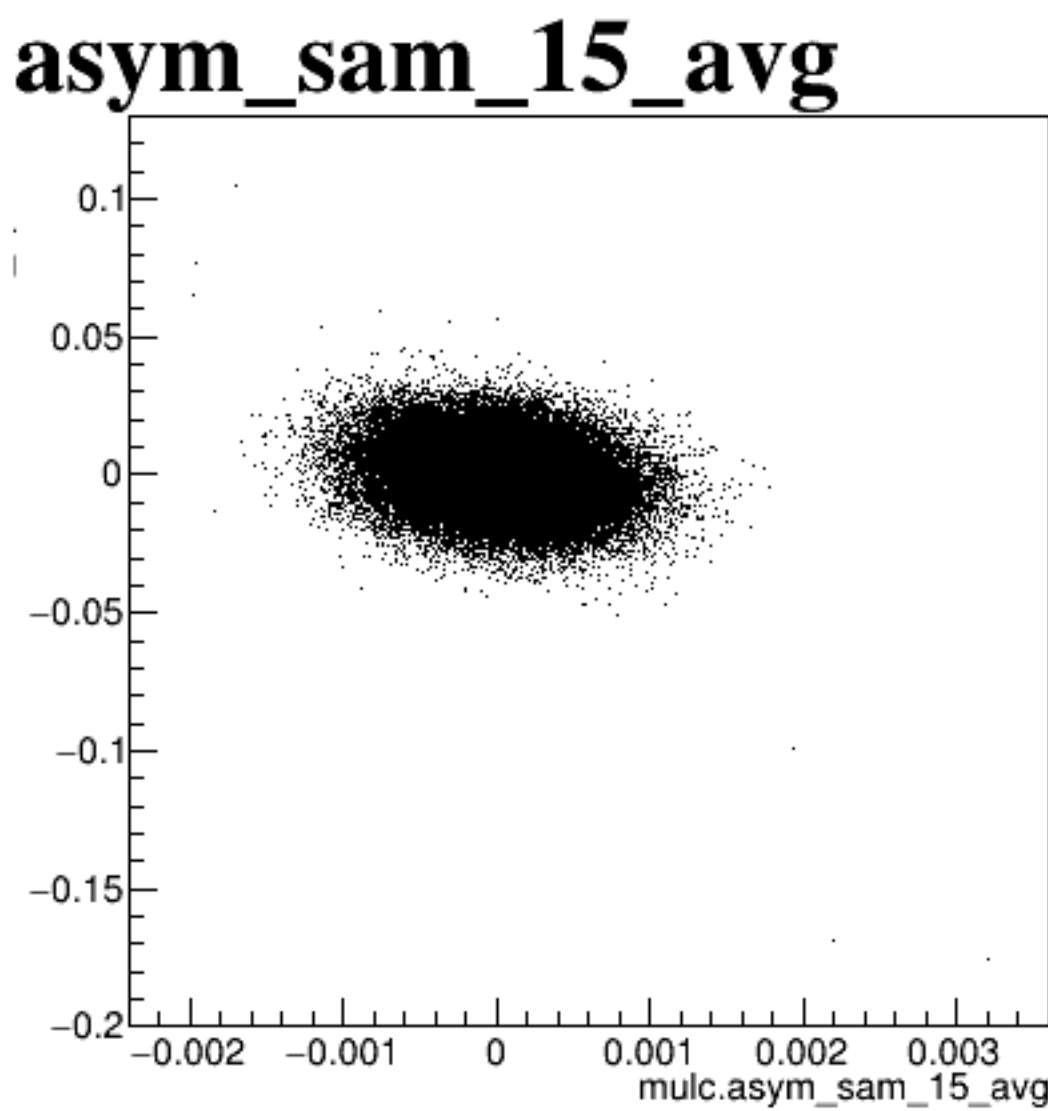
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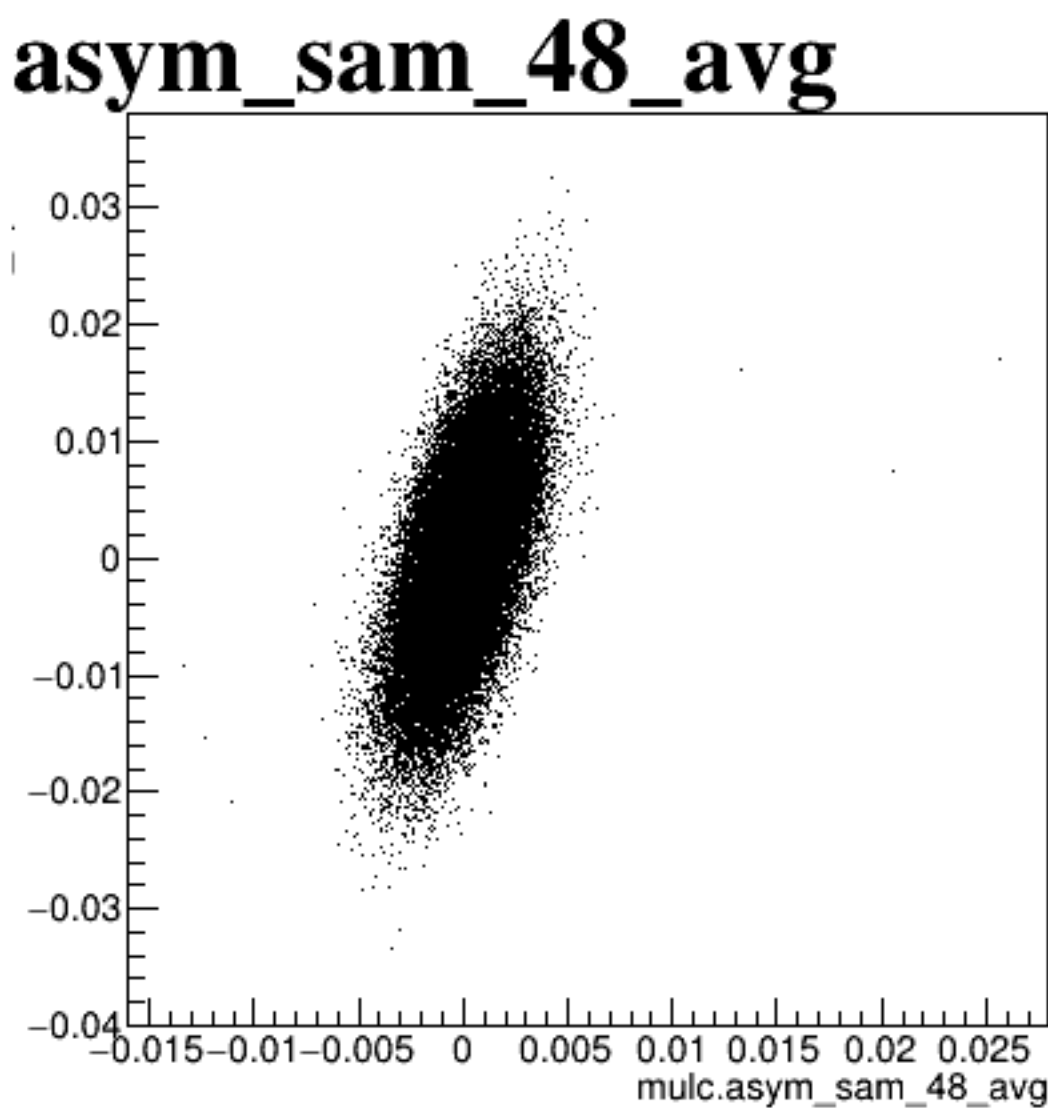
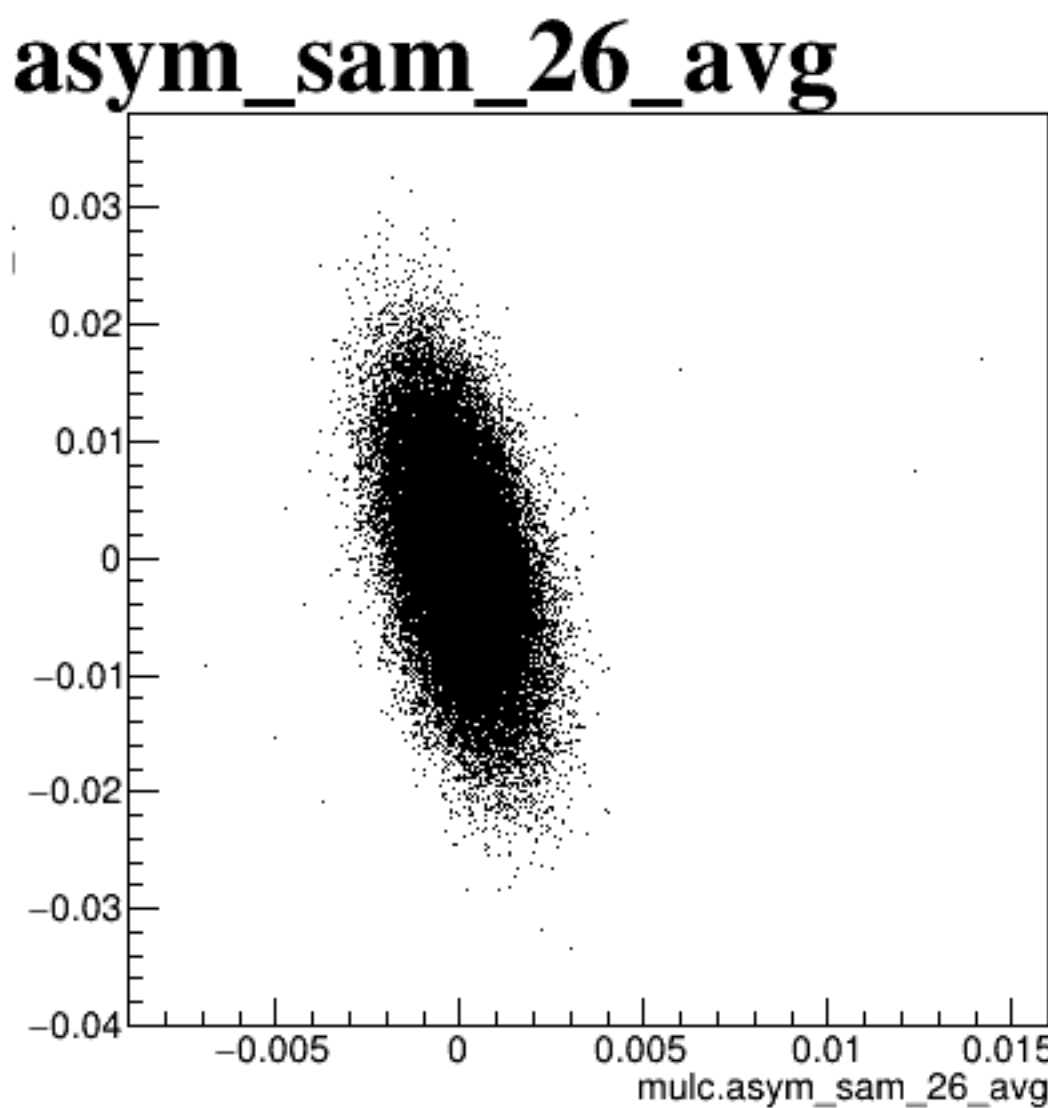
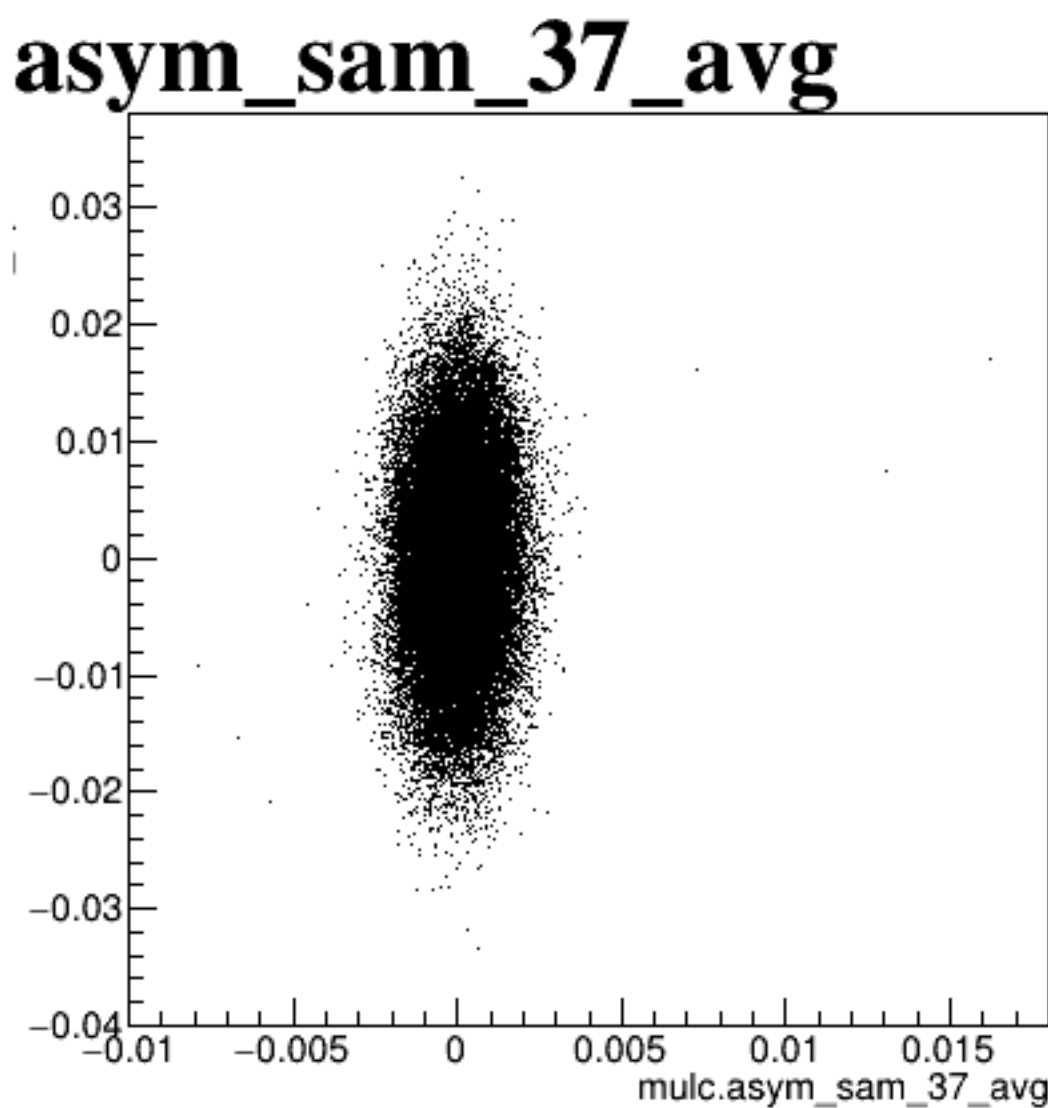
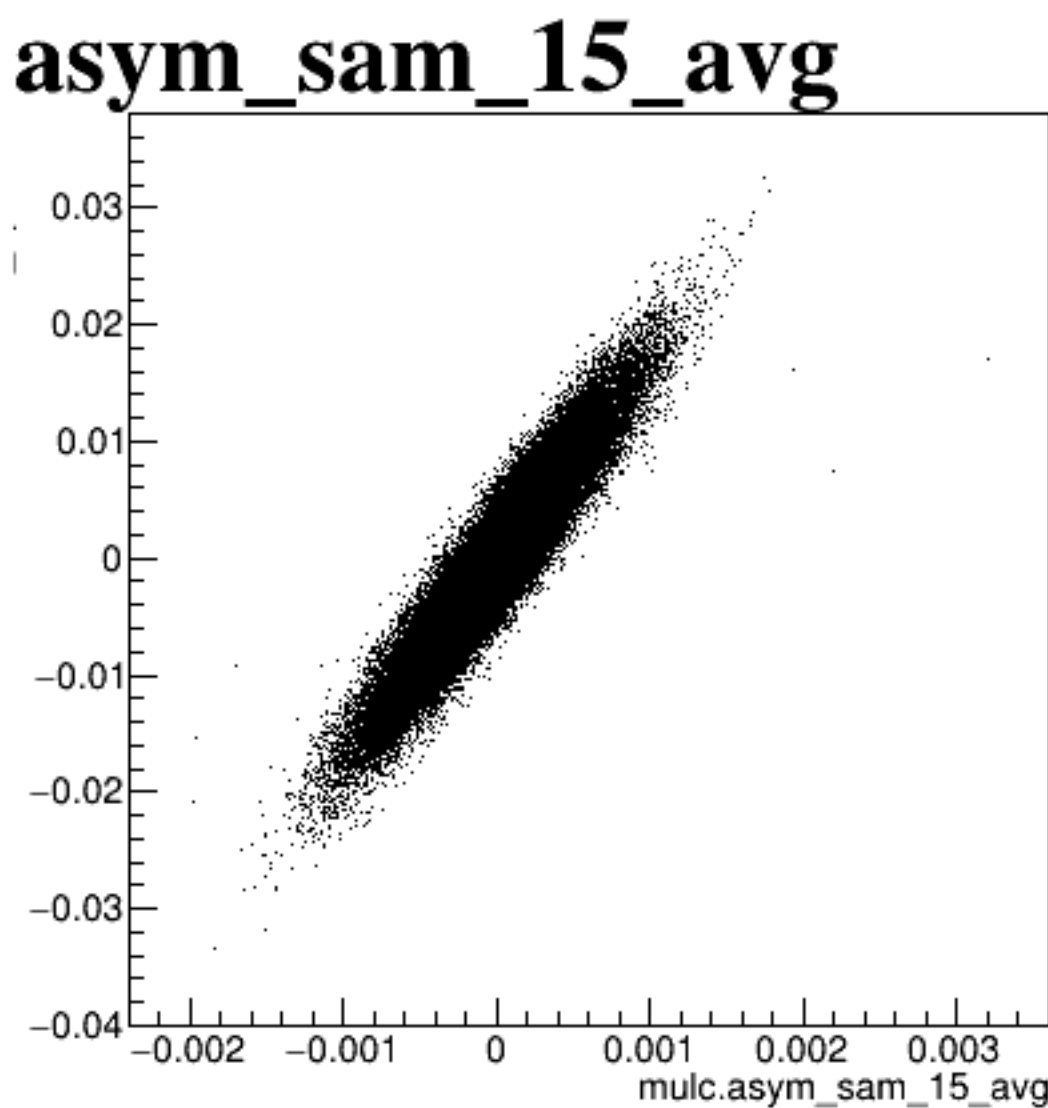
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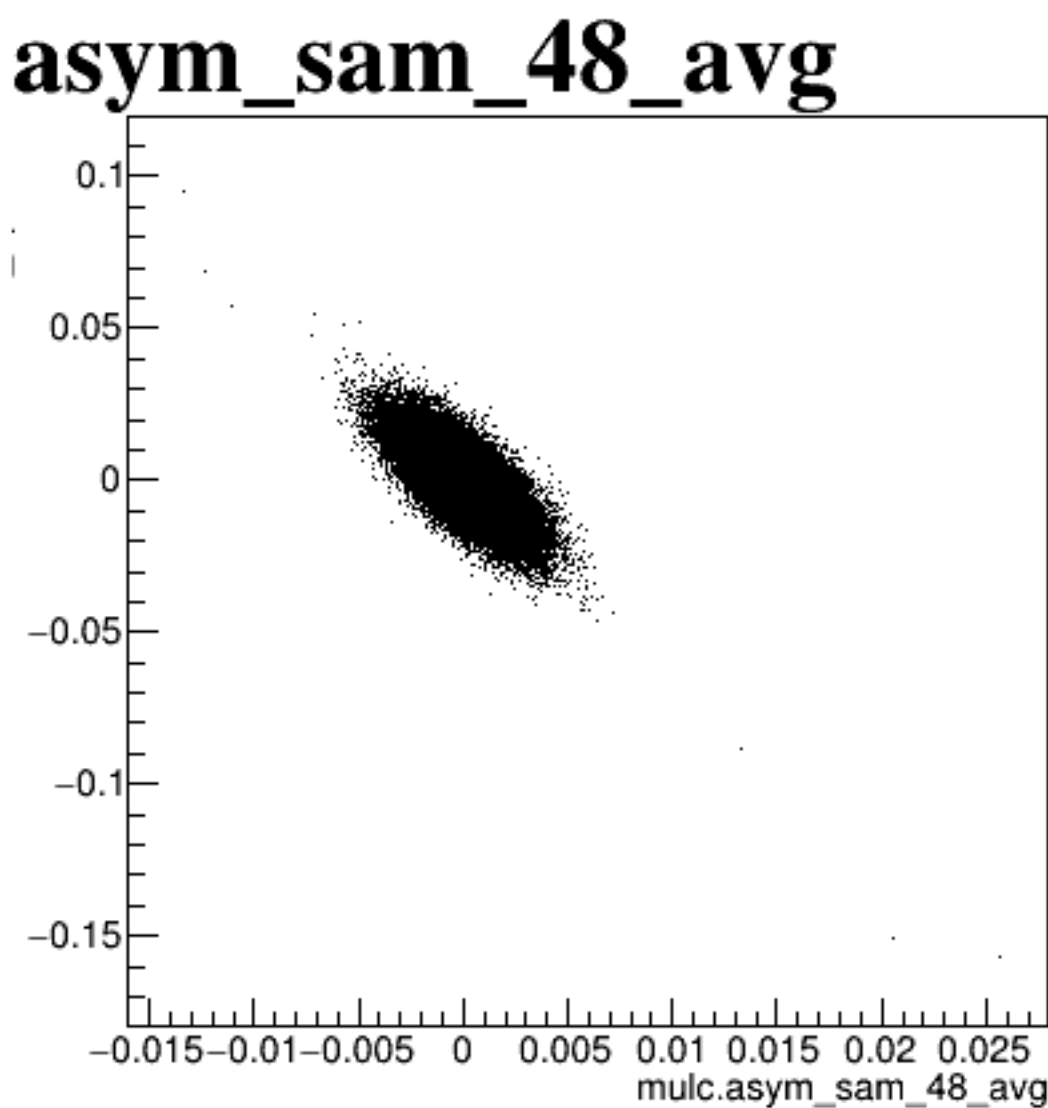
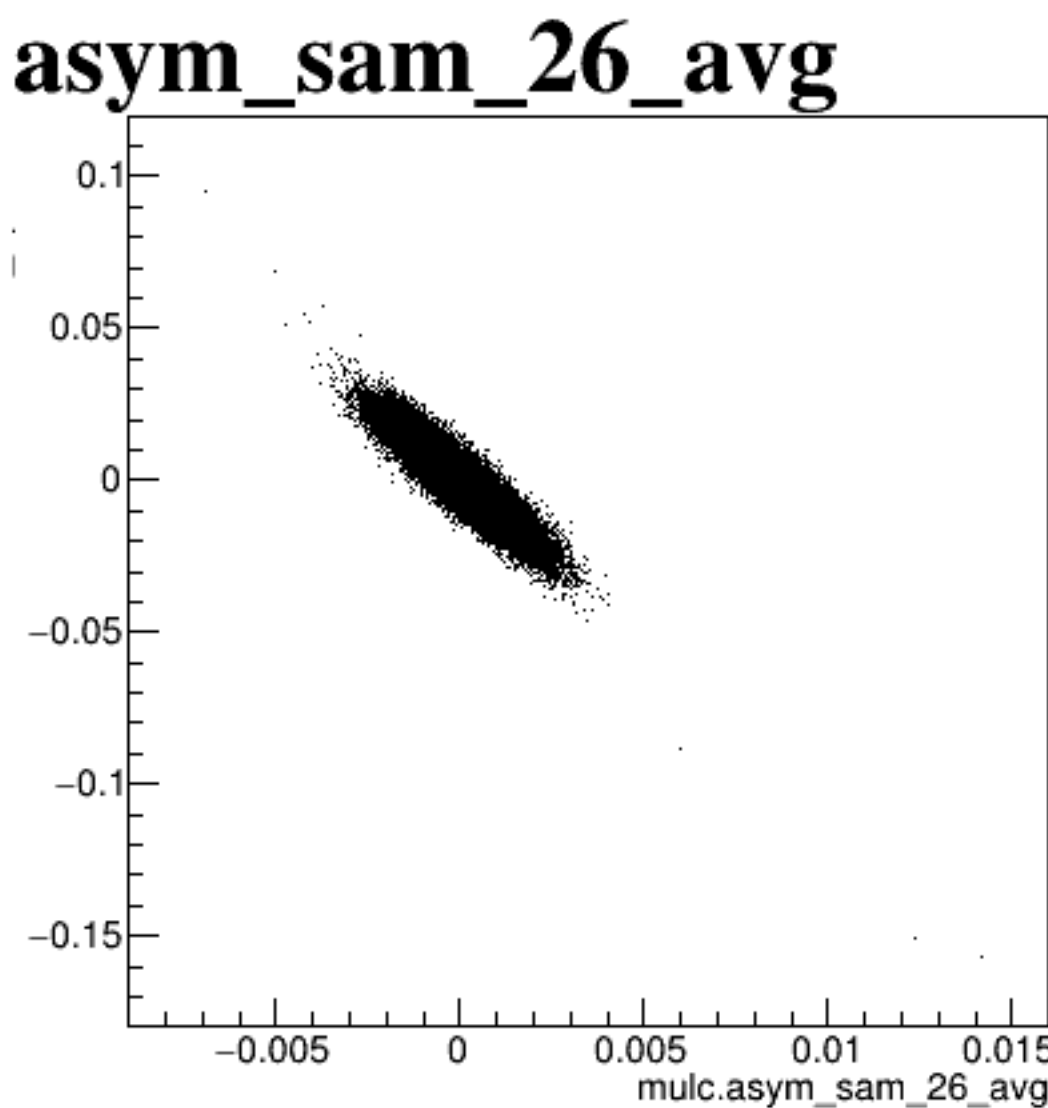
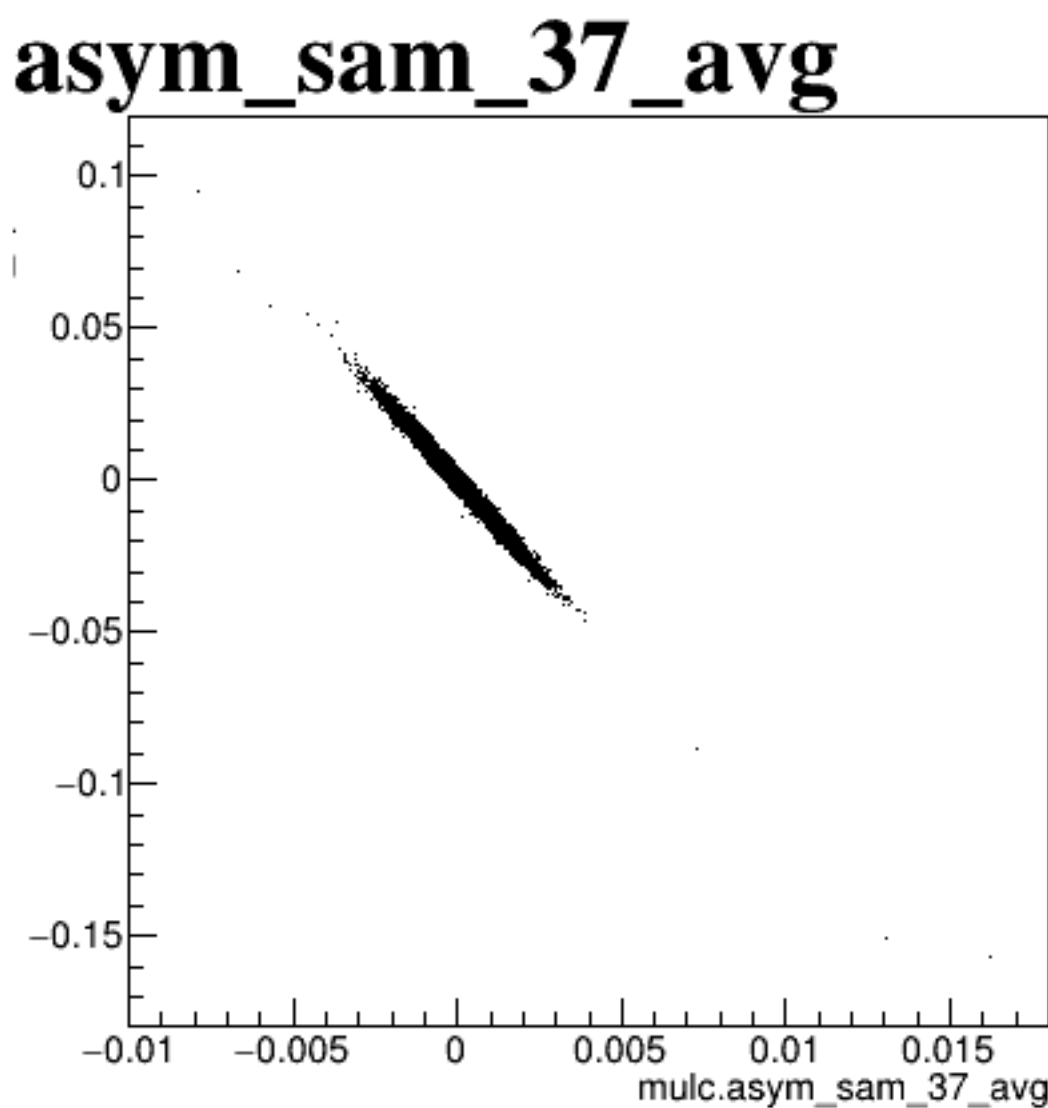
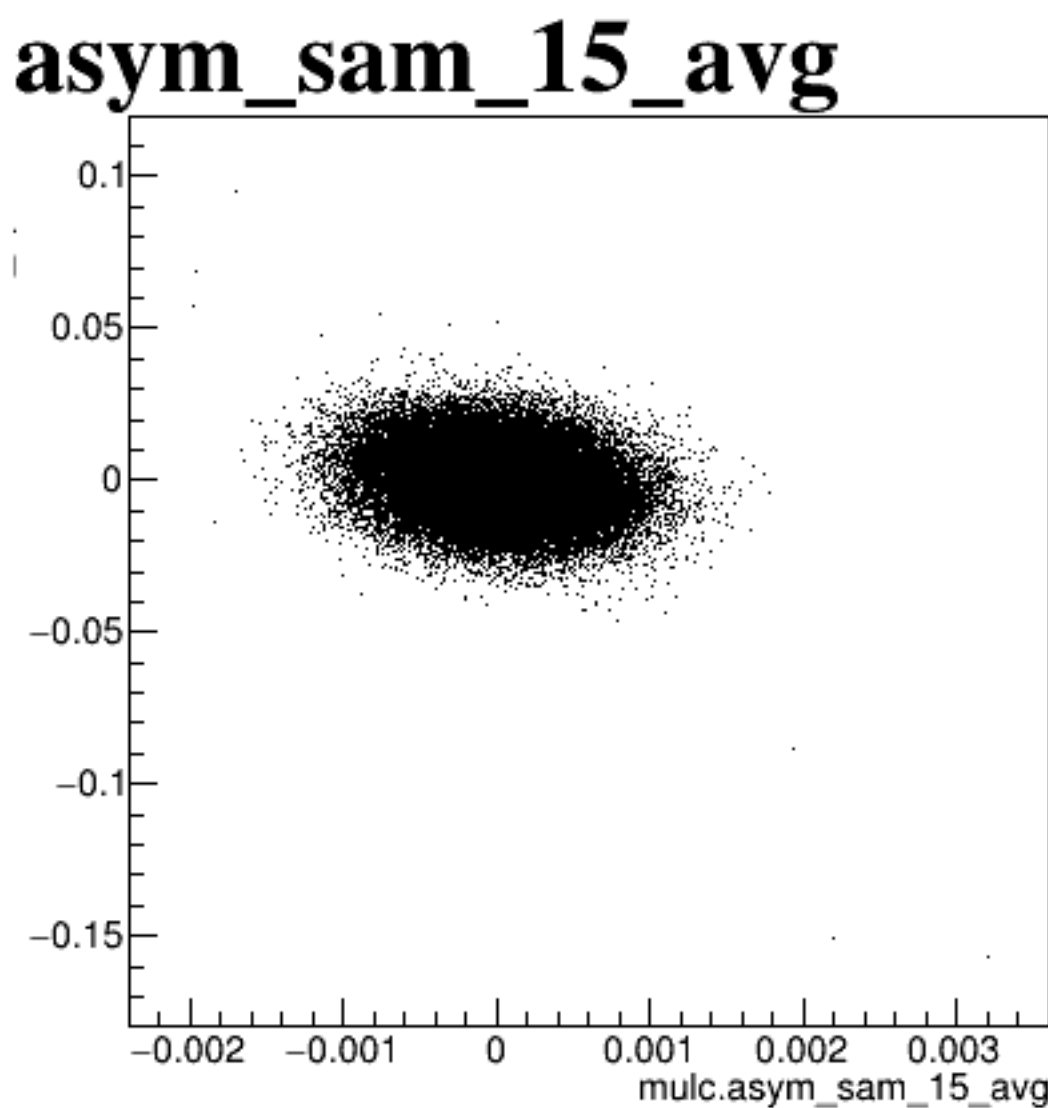
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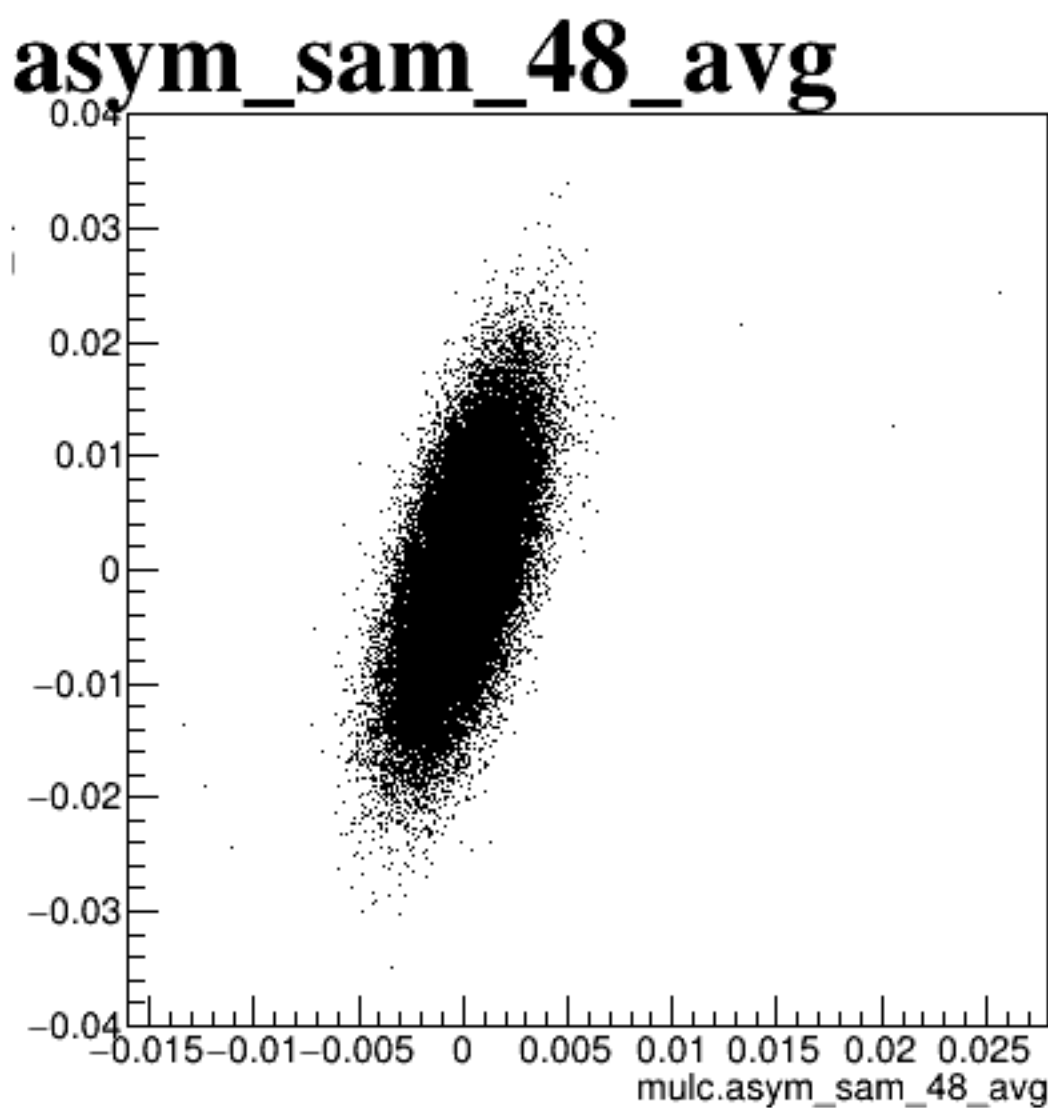
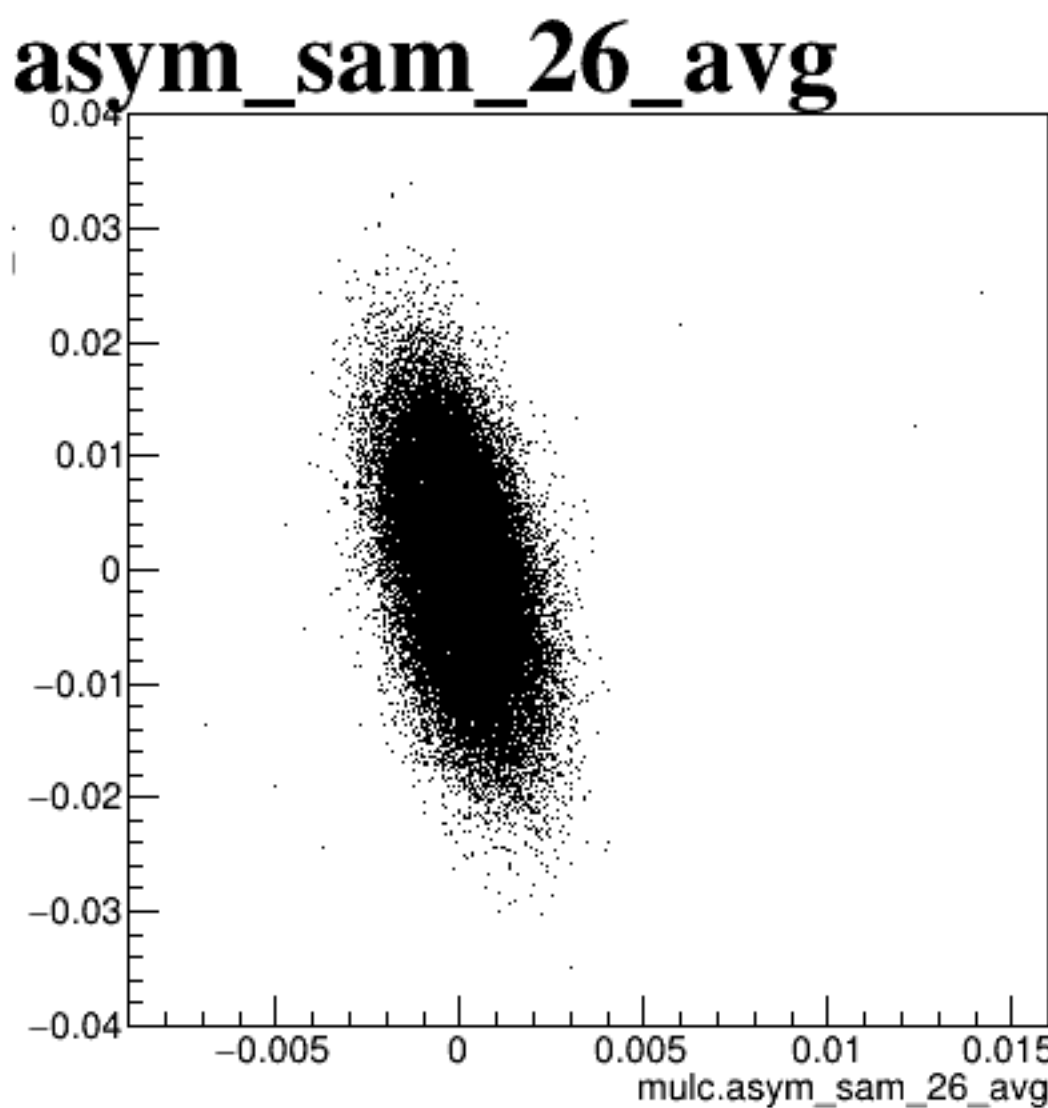
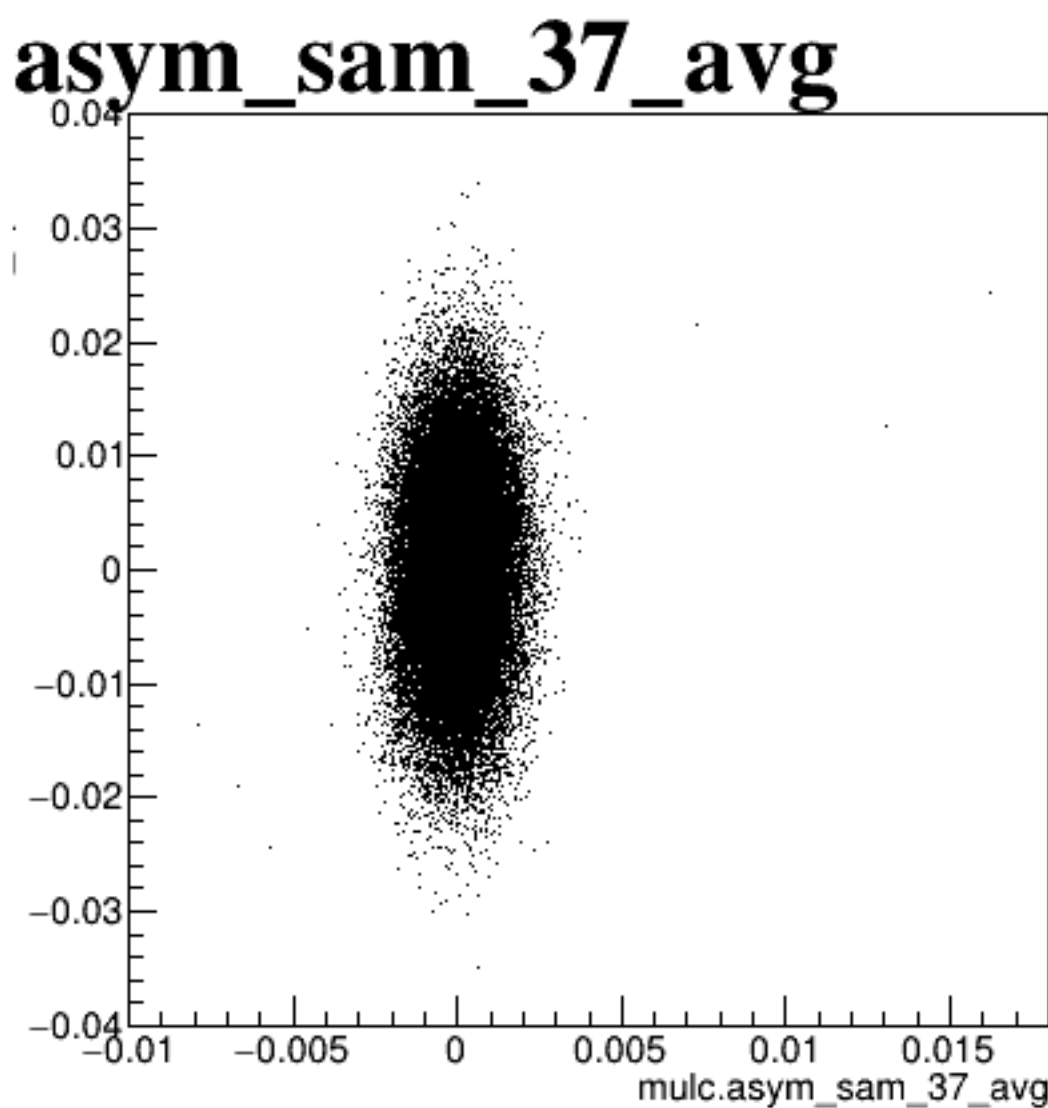
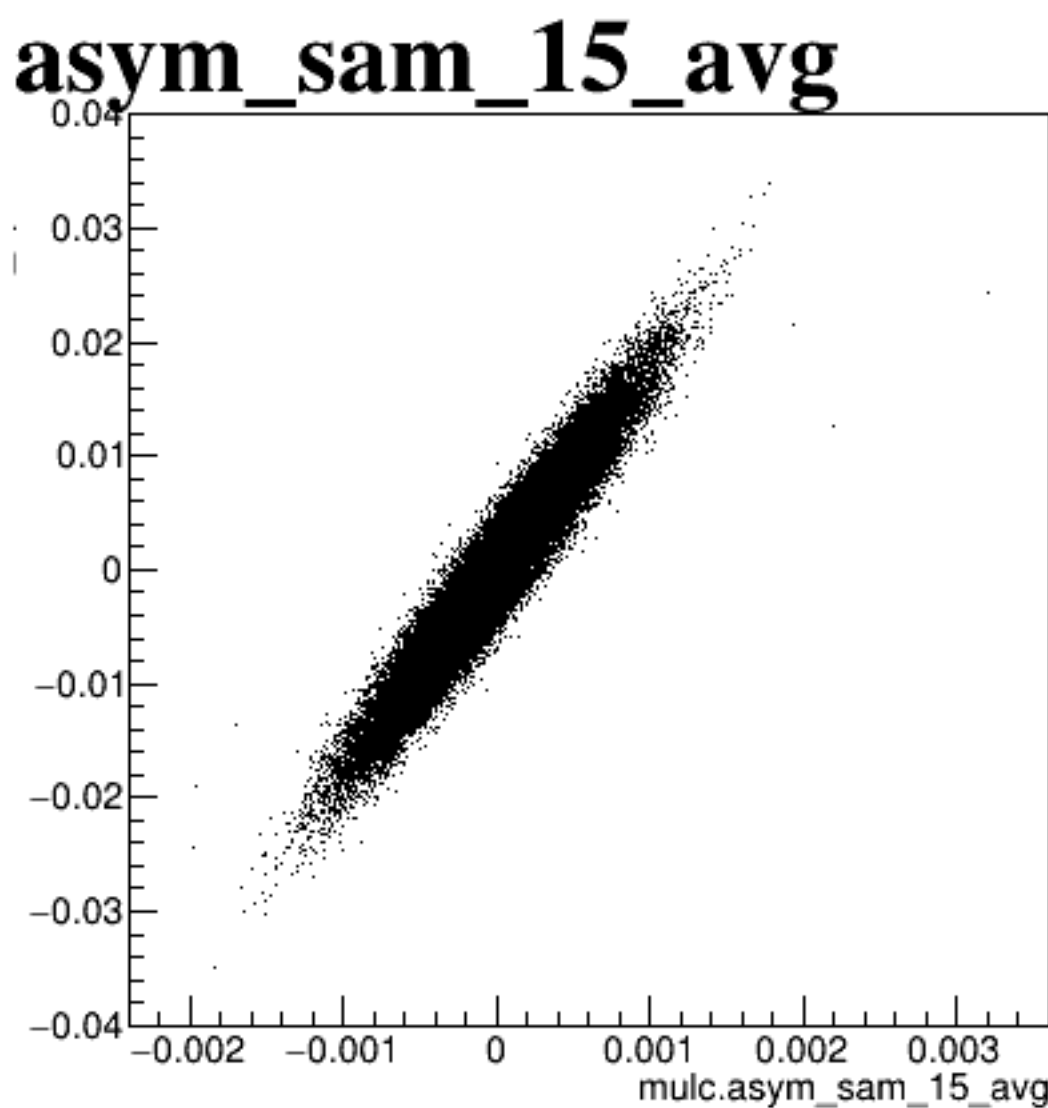
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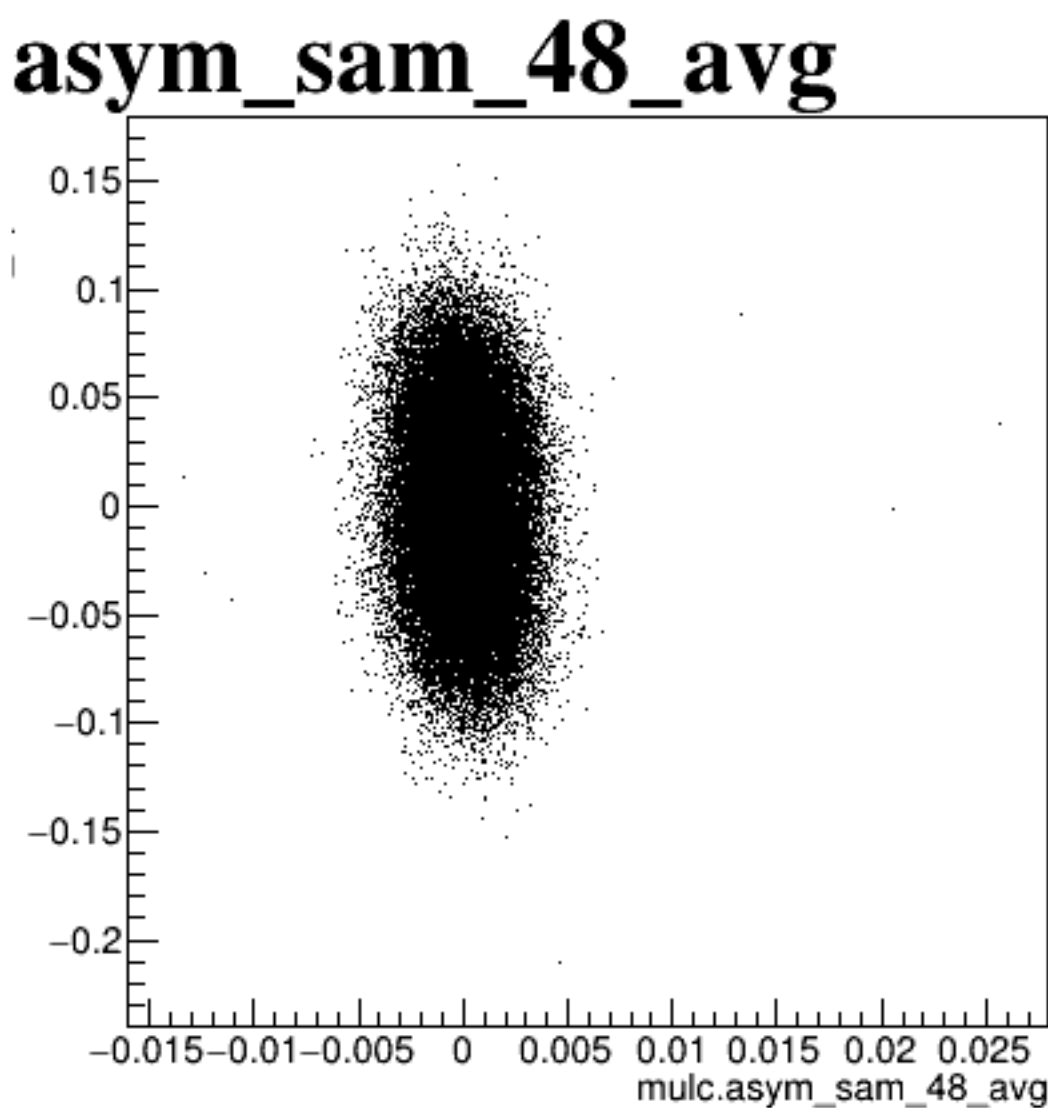
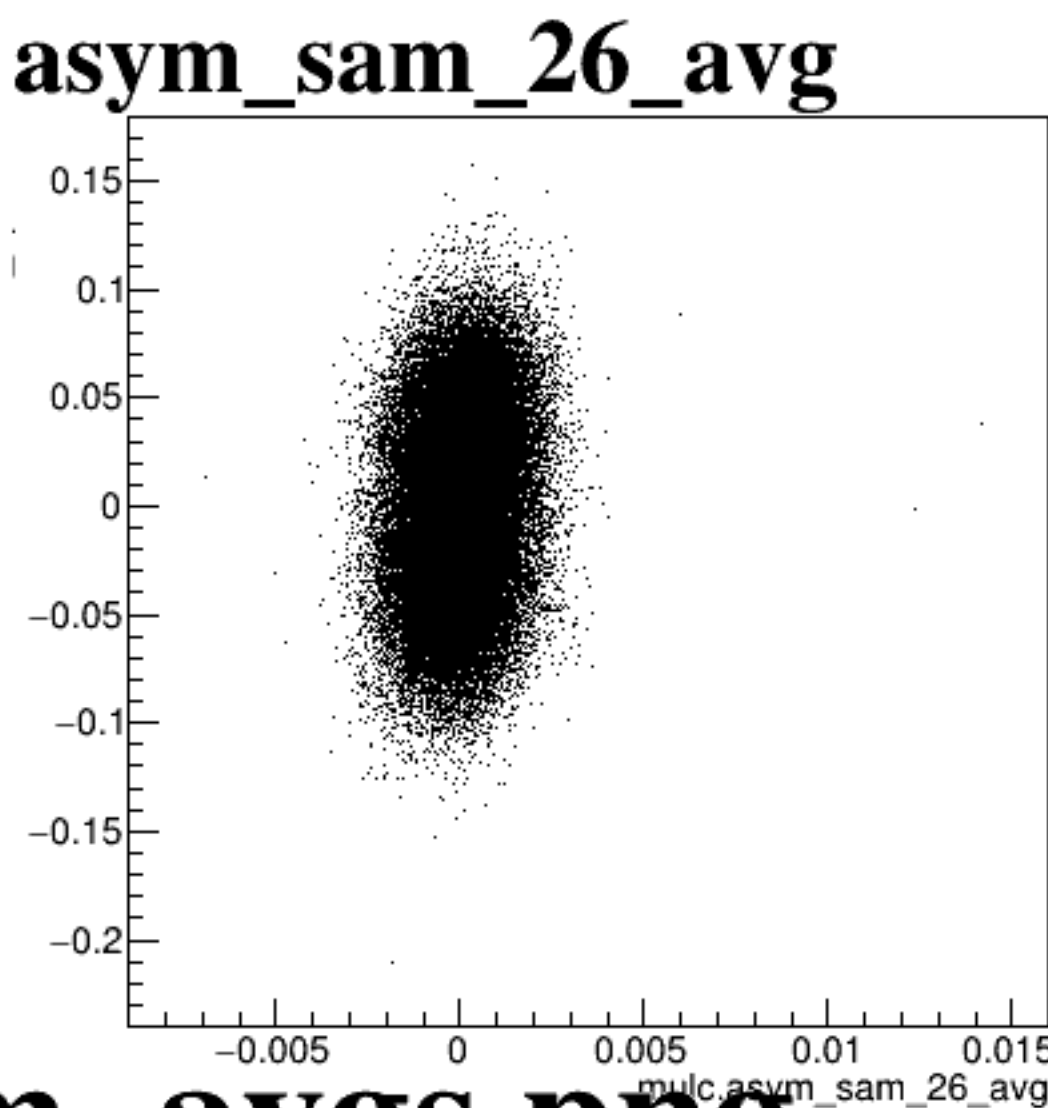
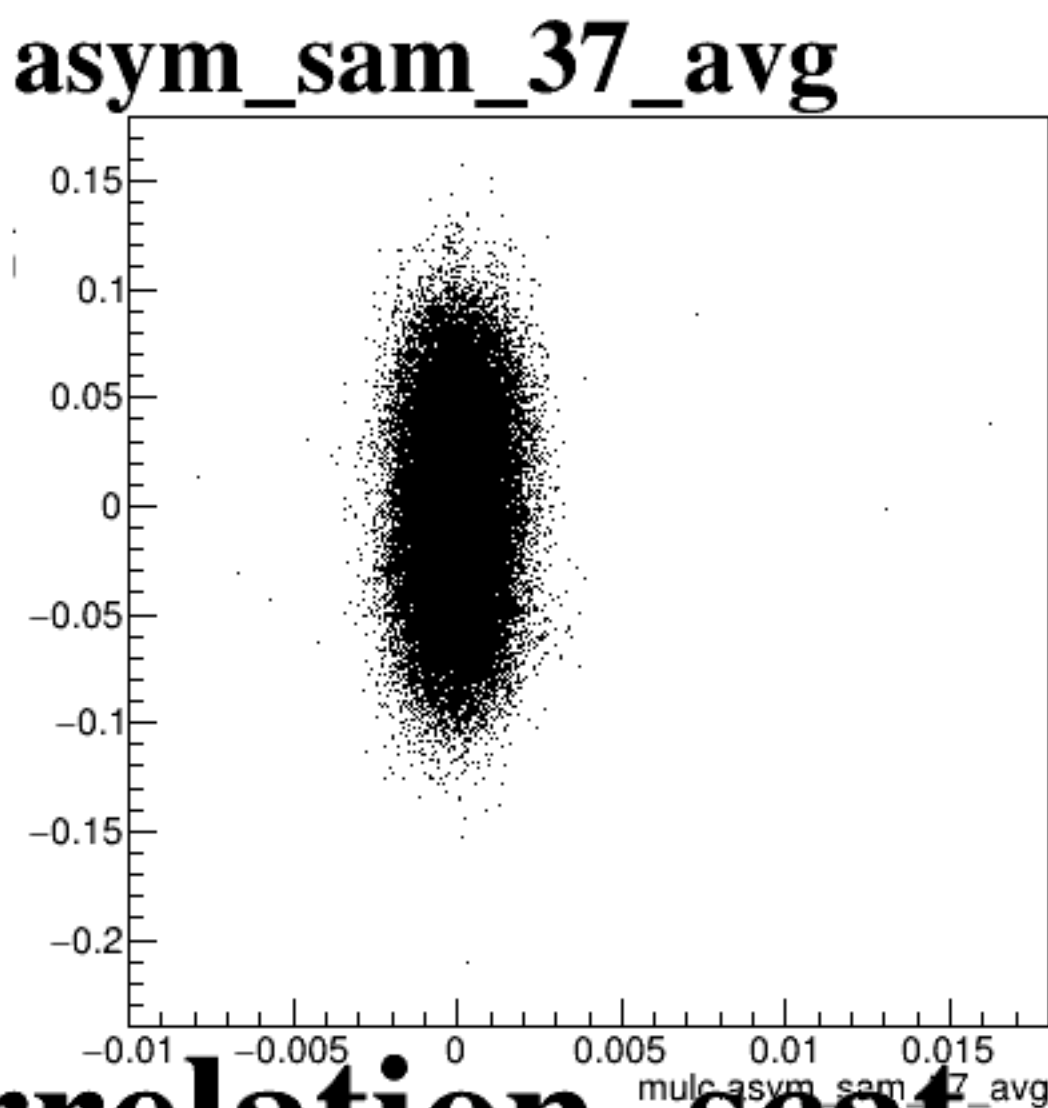
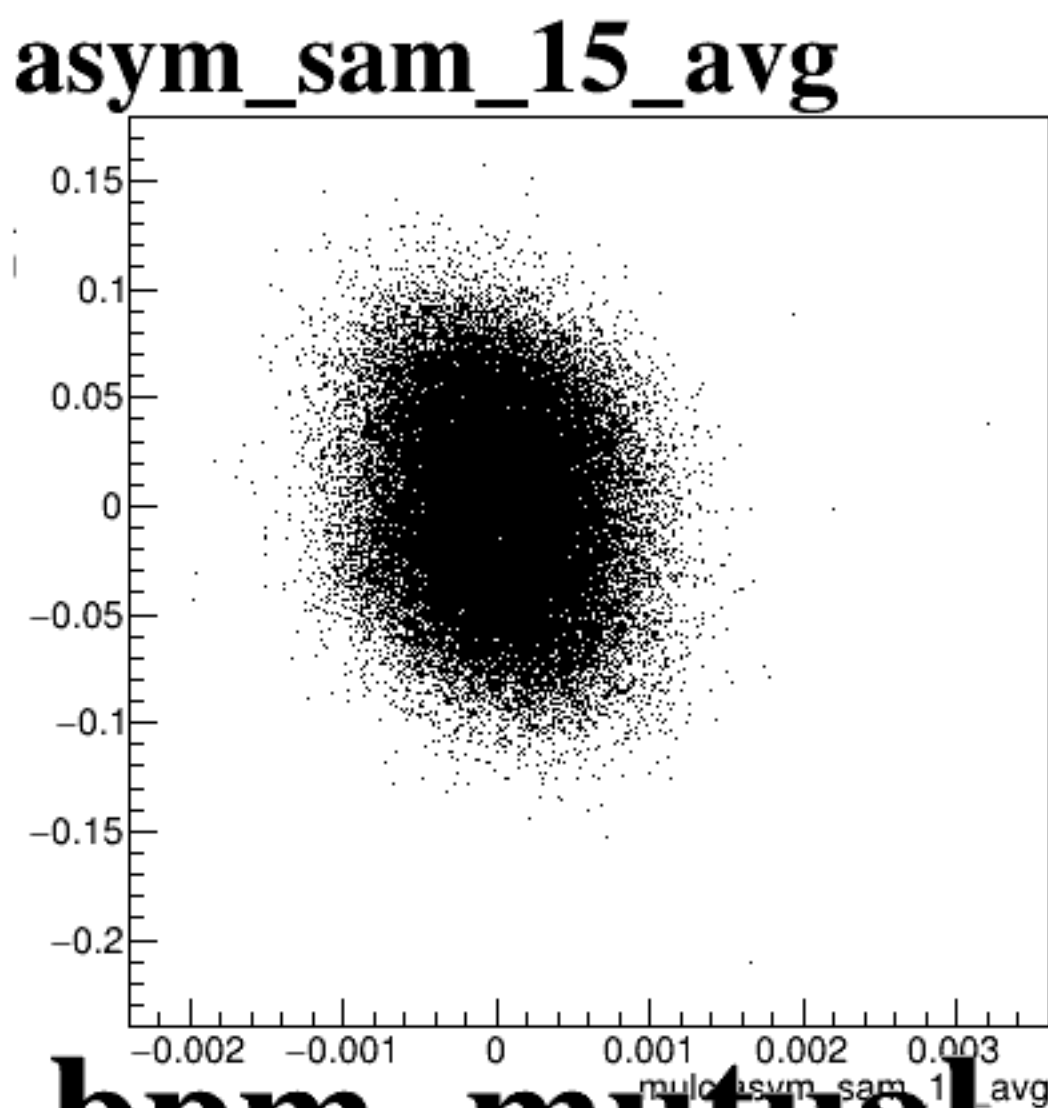
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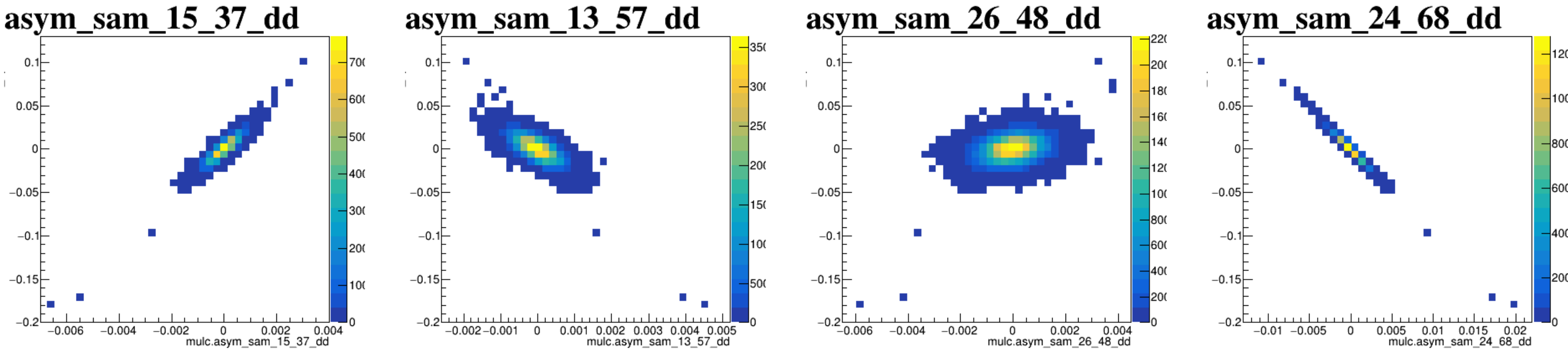
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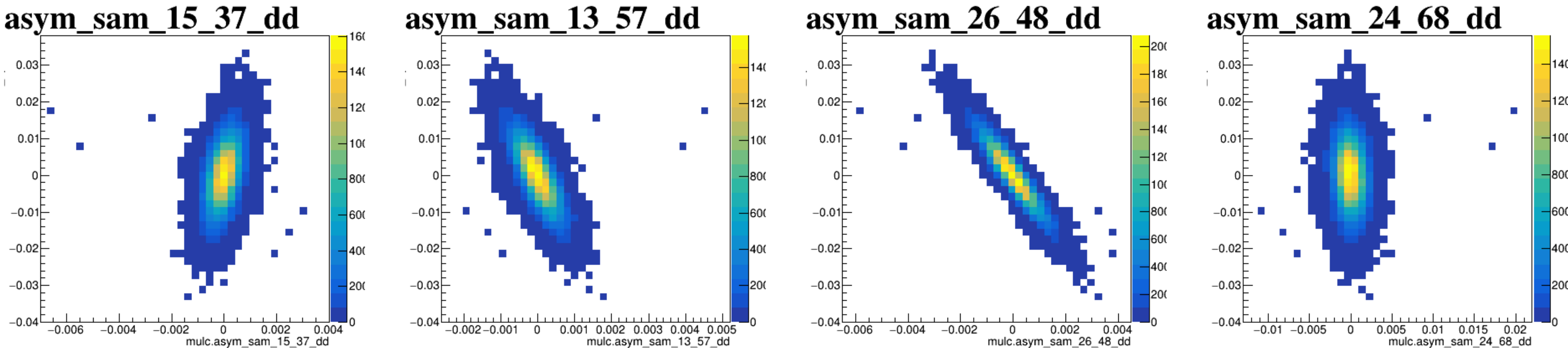
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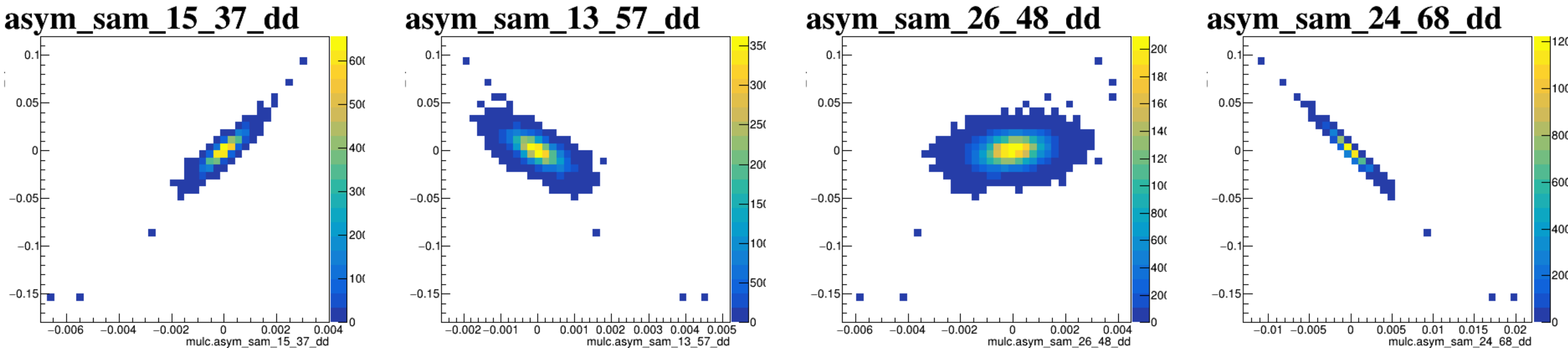
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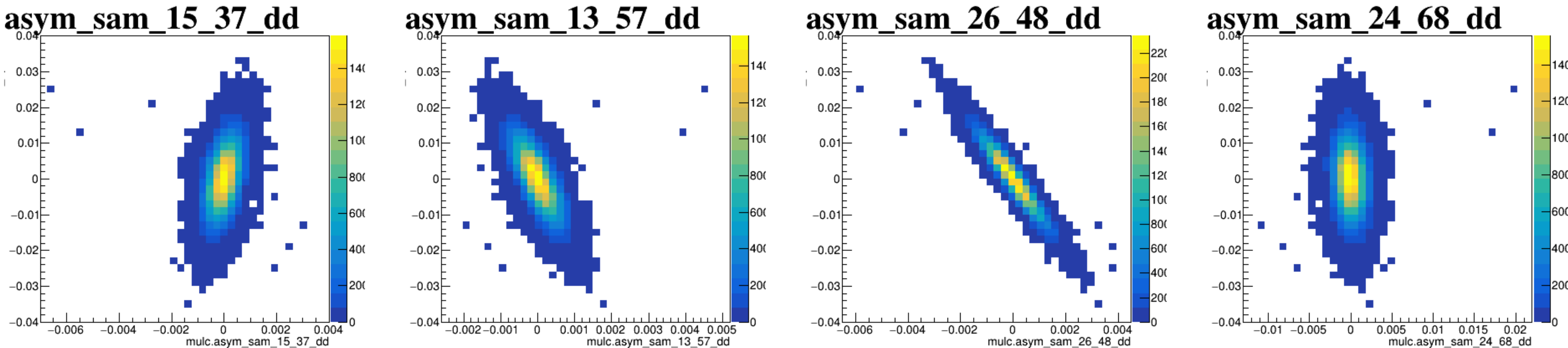
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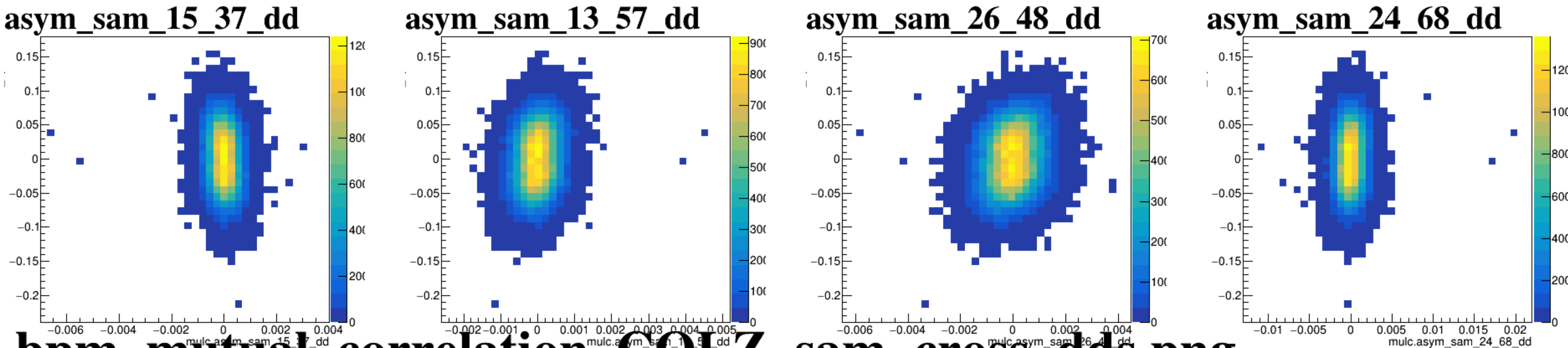
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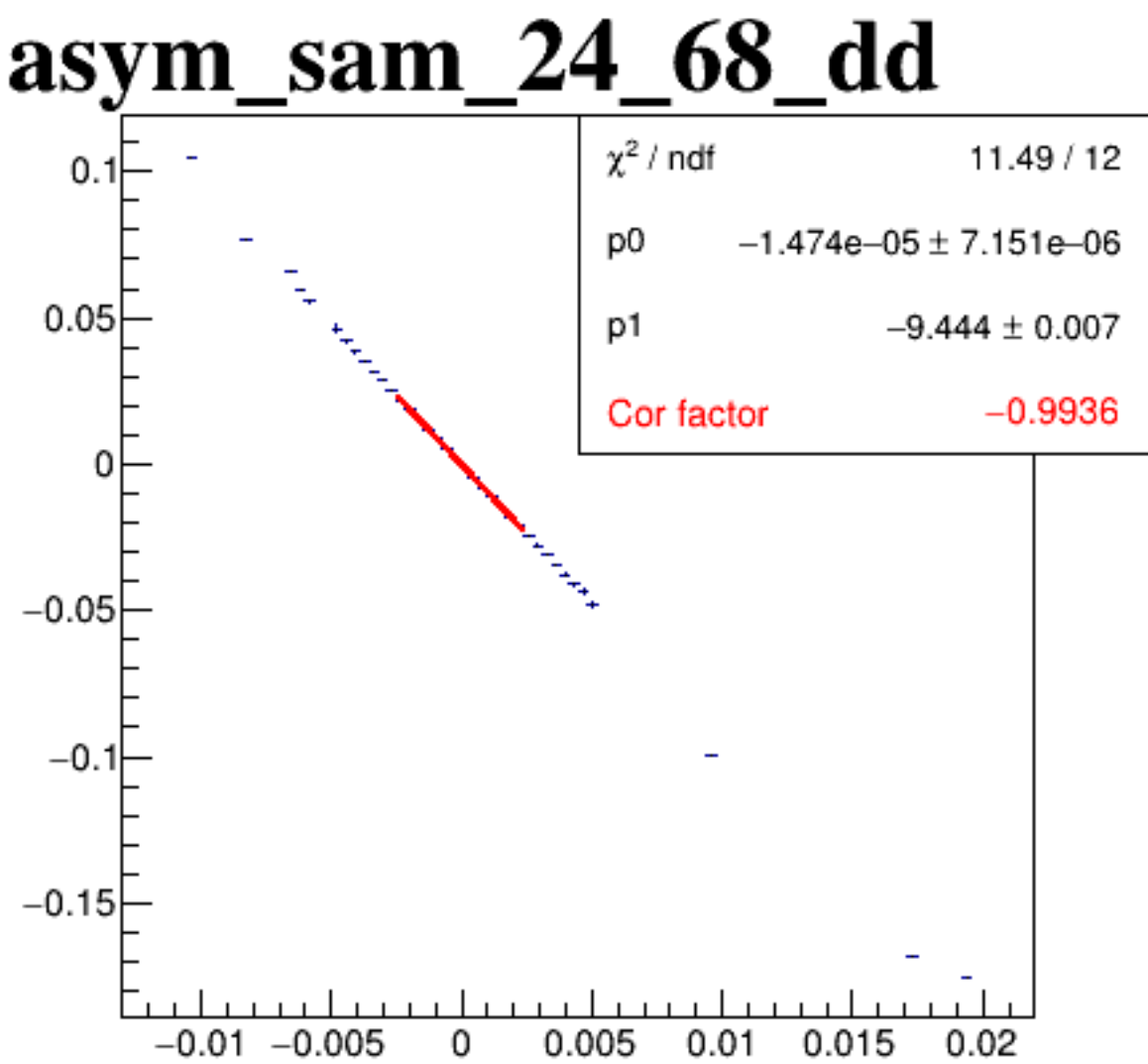
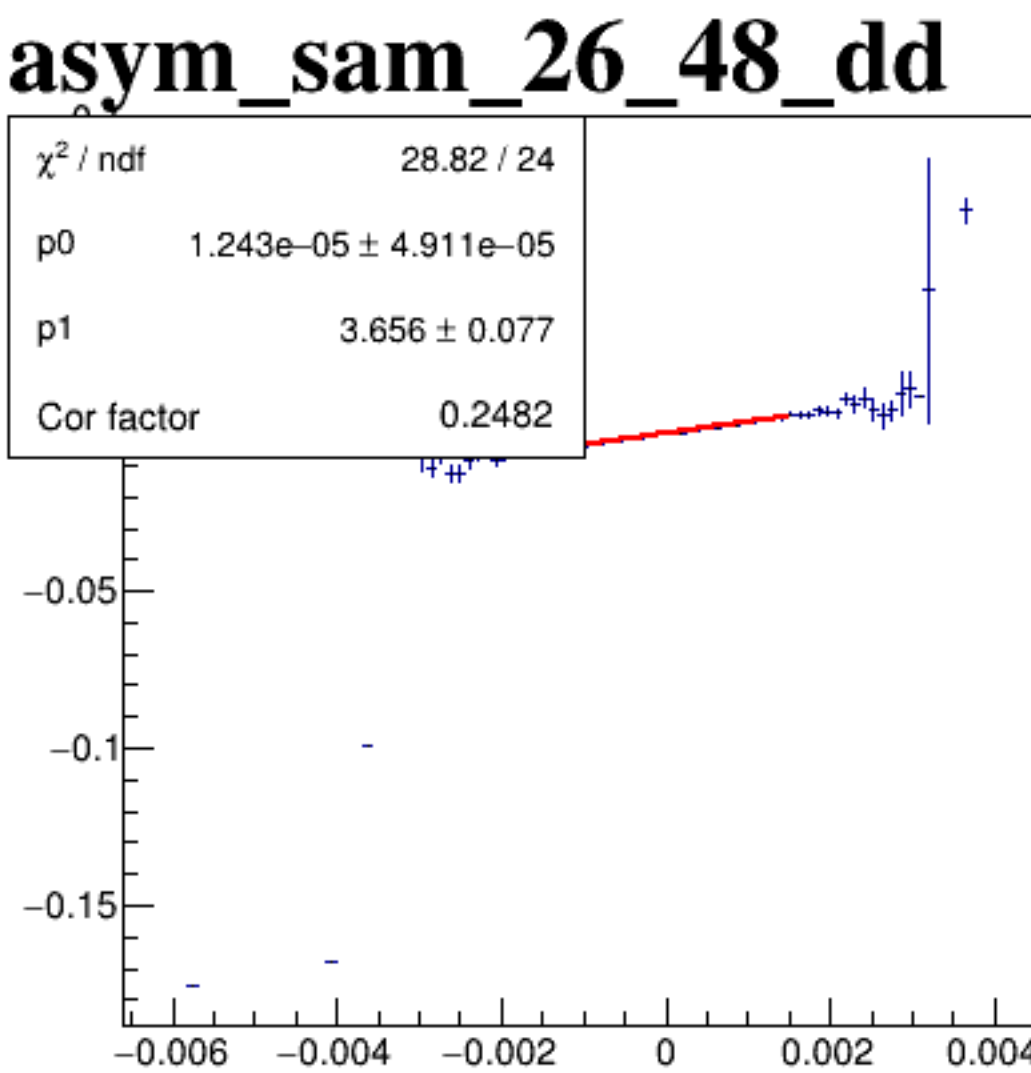
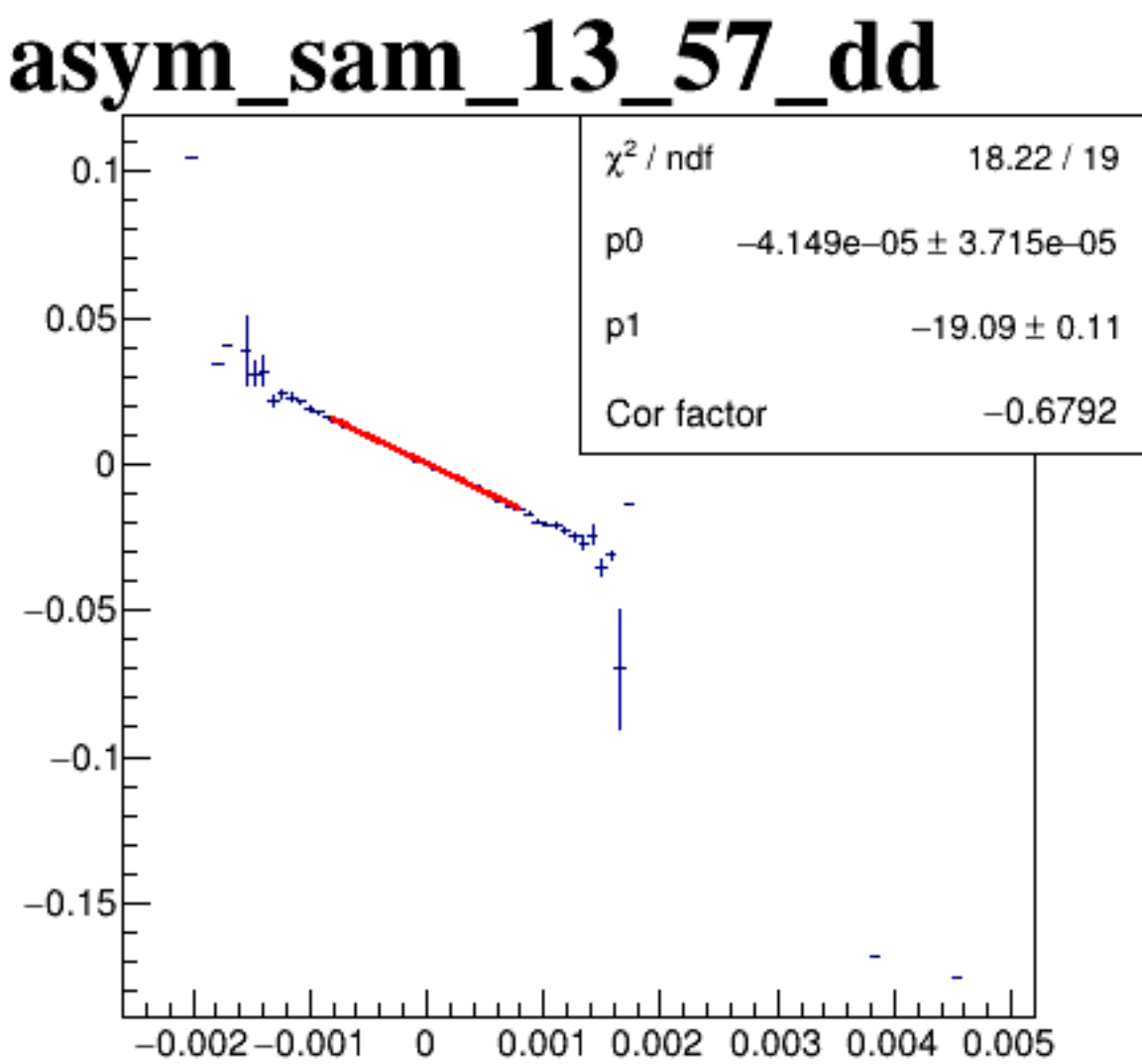
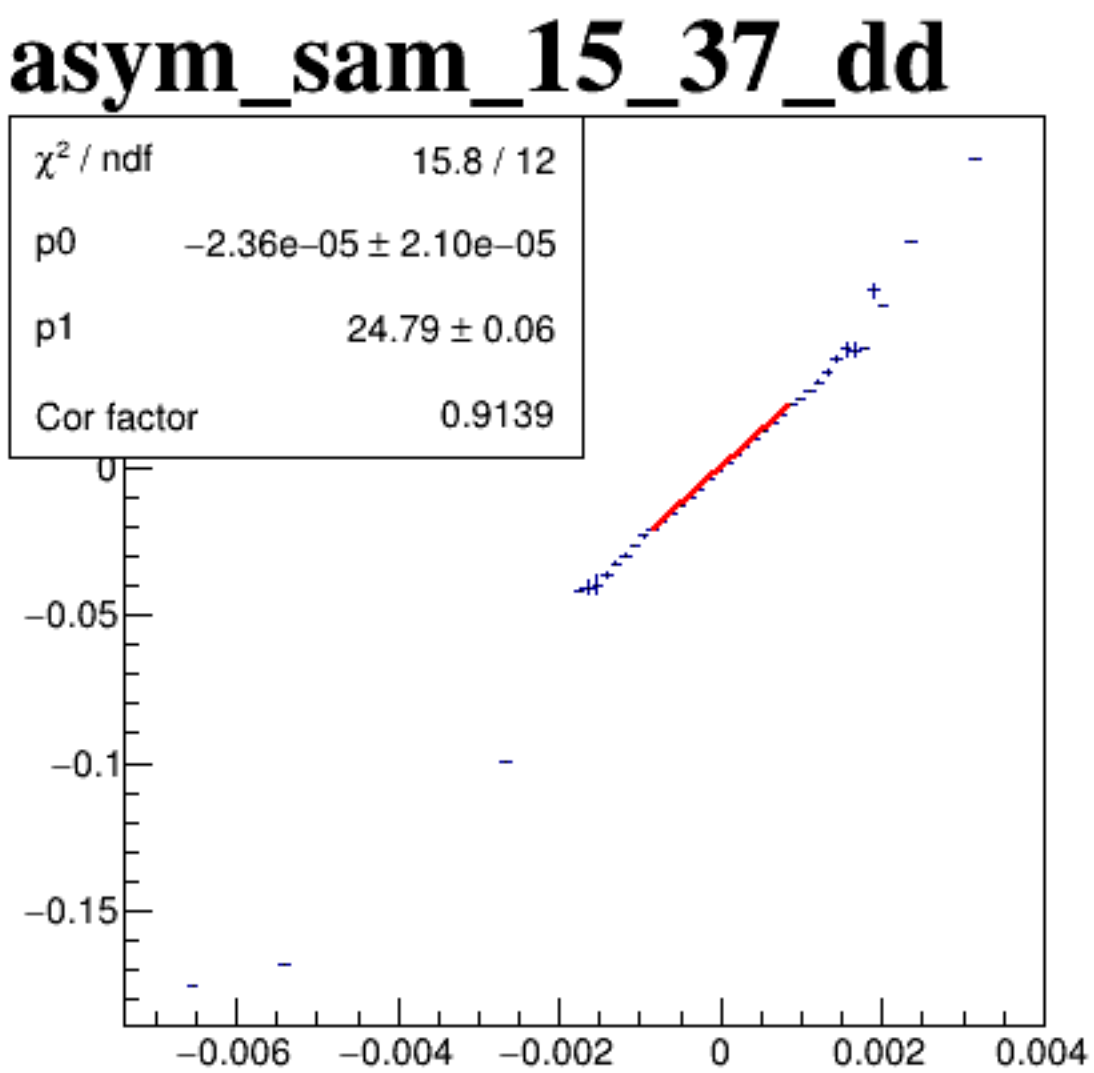
diff_bpm4eY



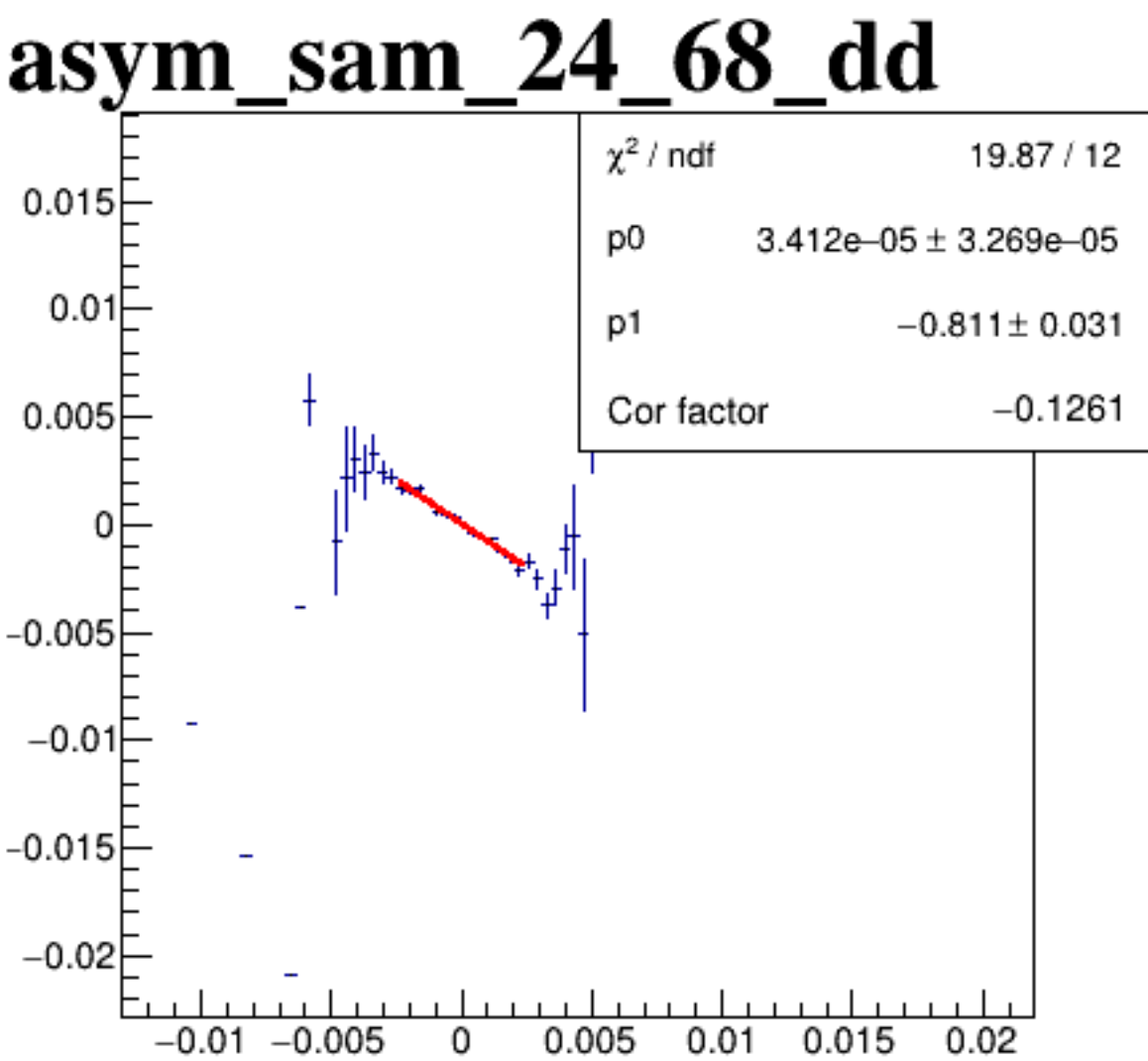
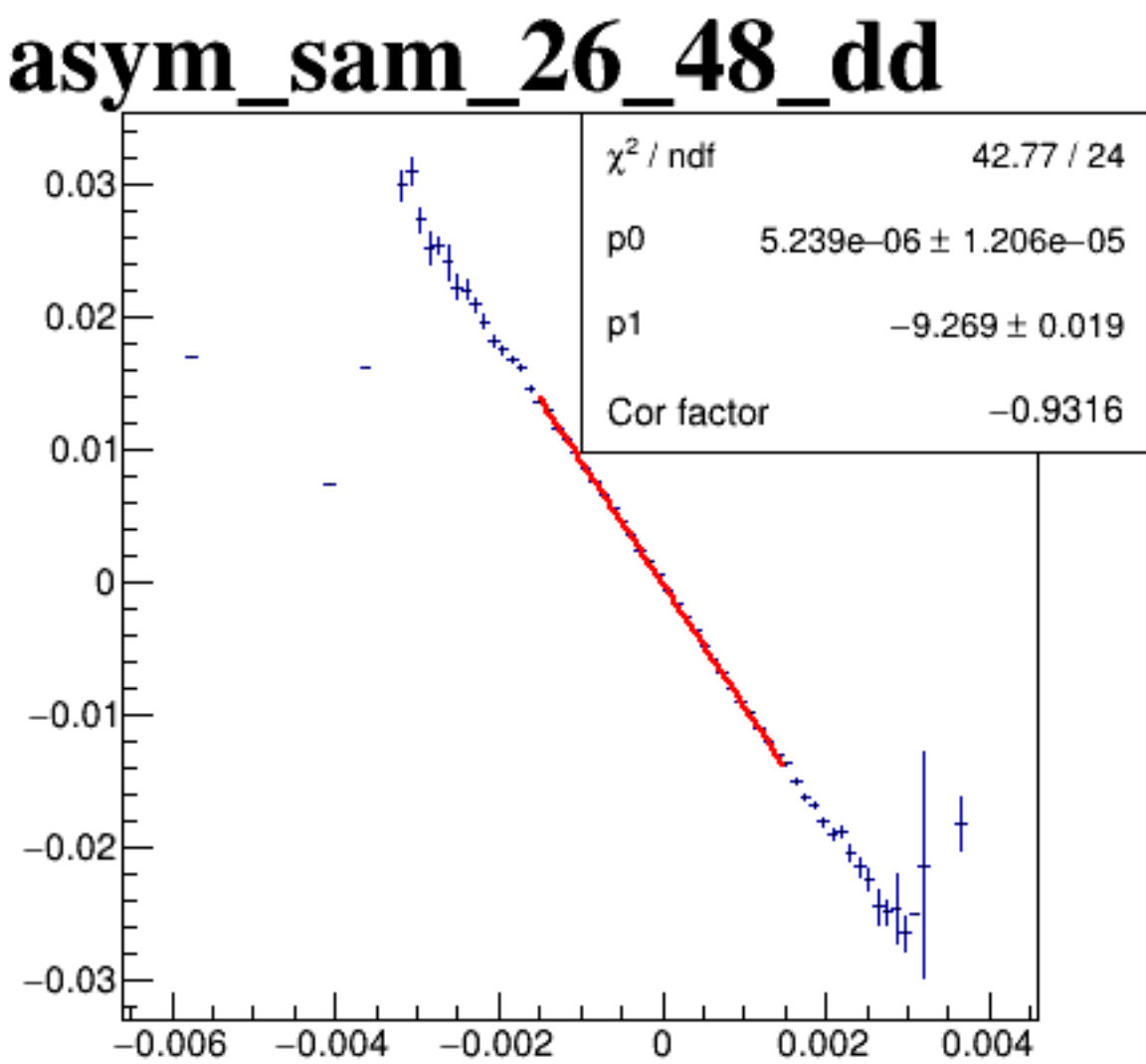
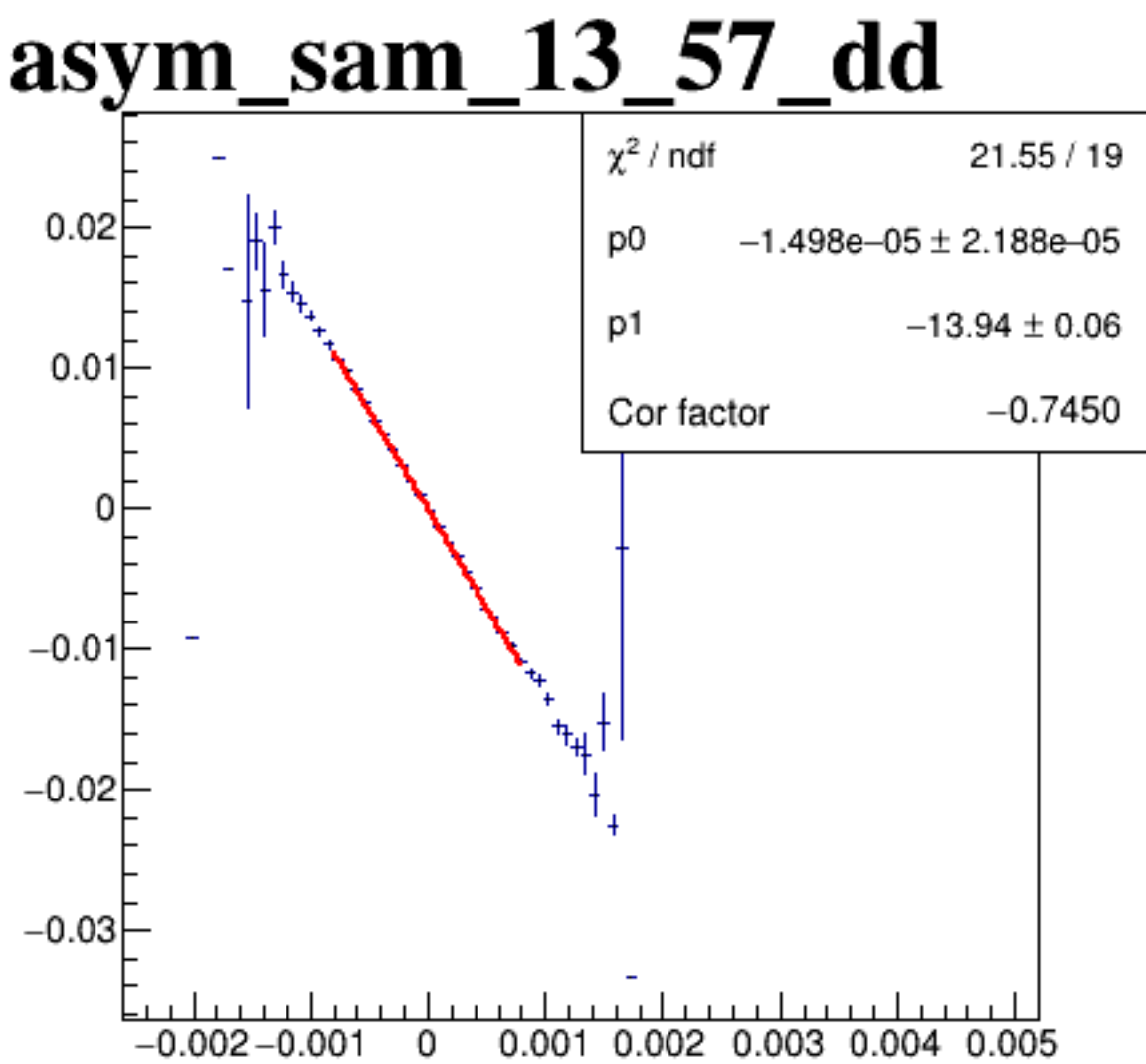
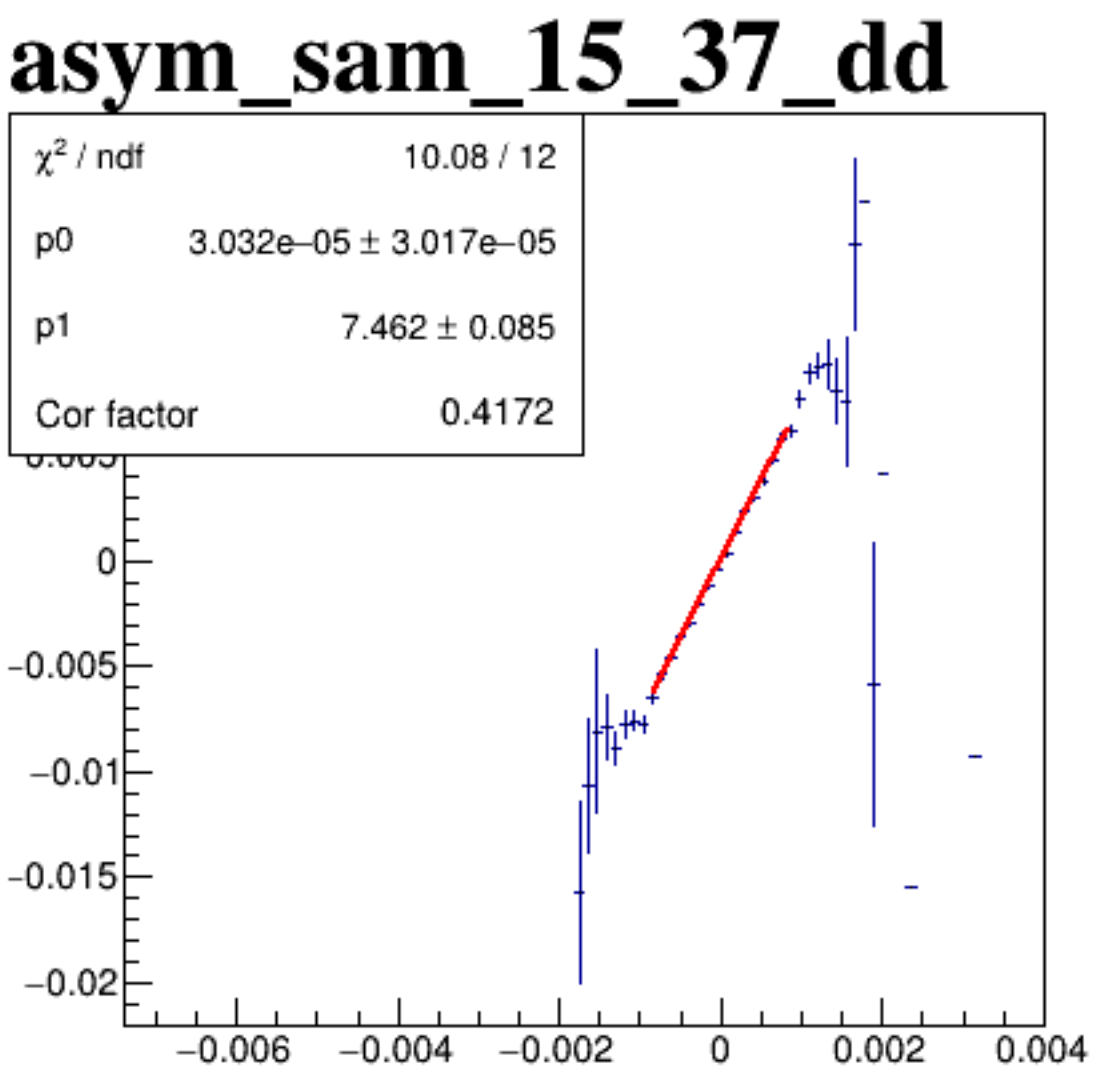
diff_bpm12X



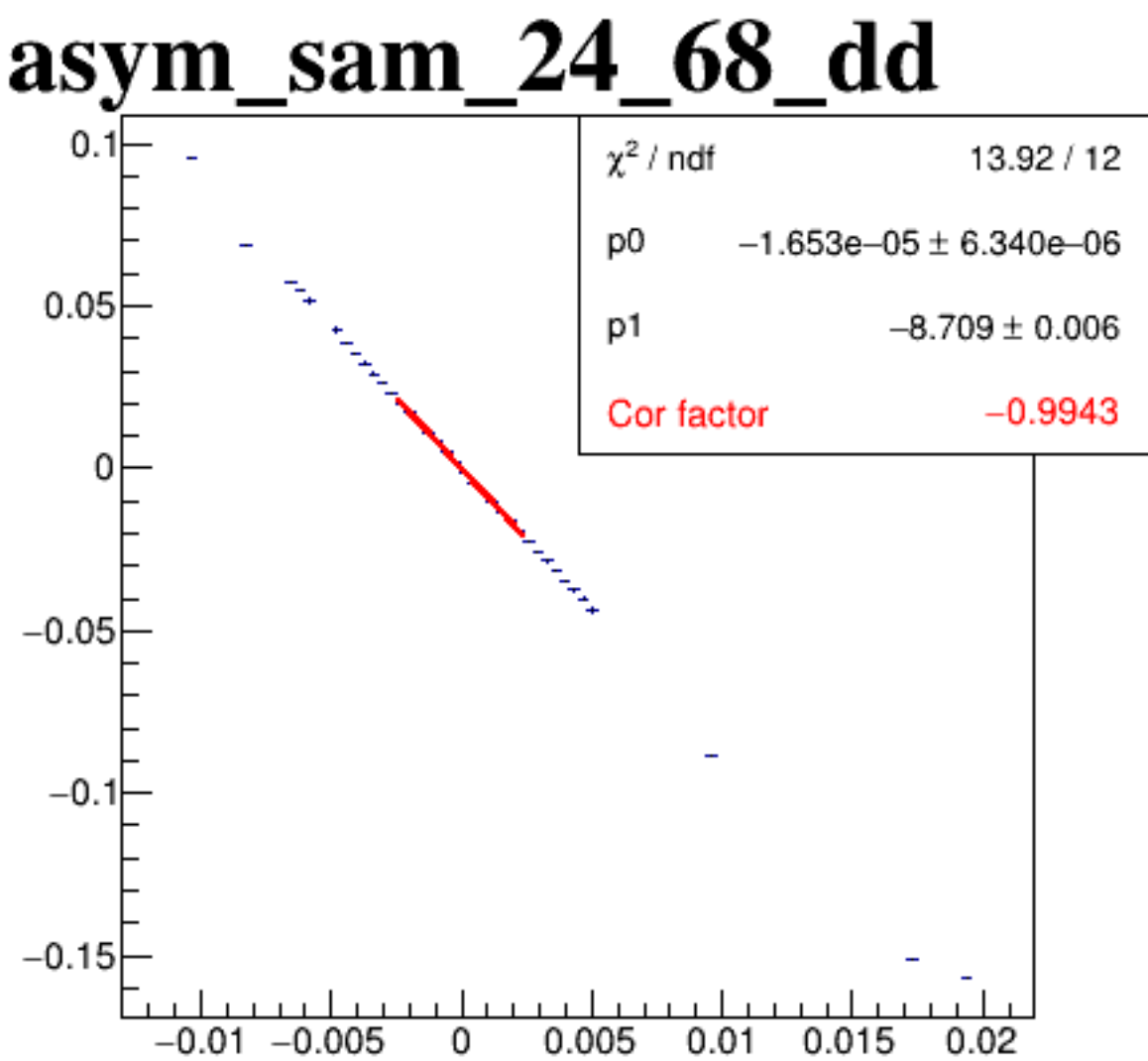
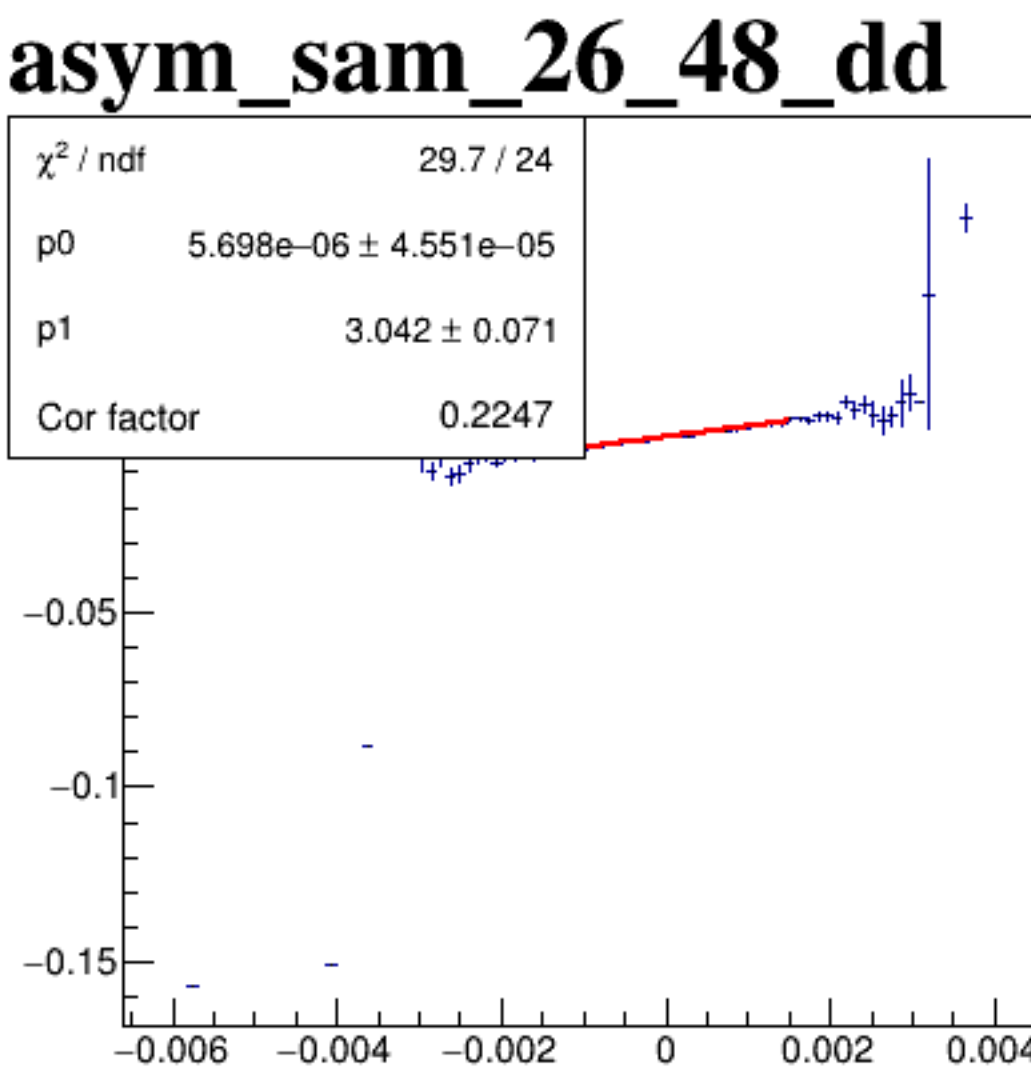
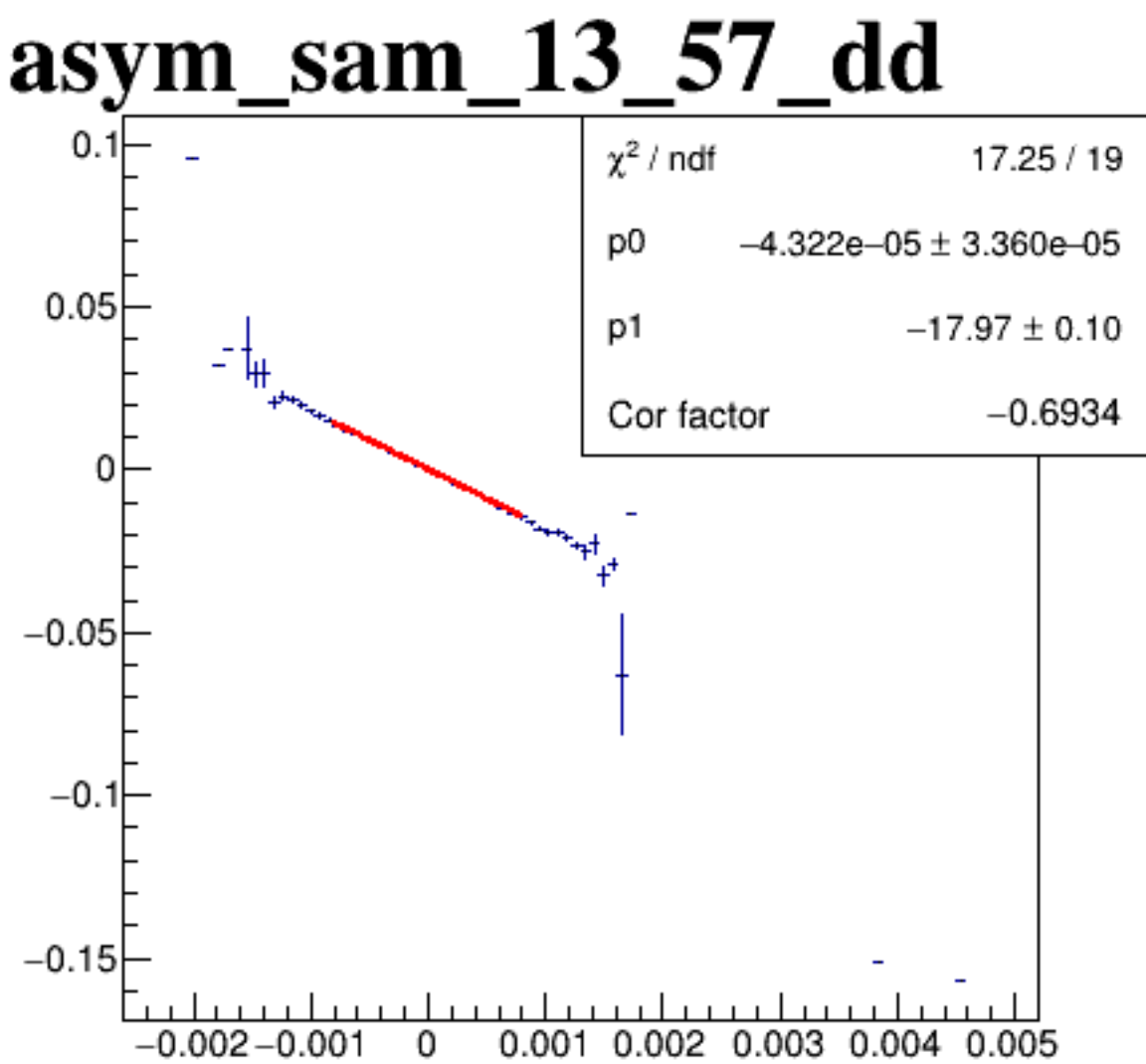
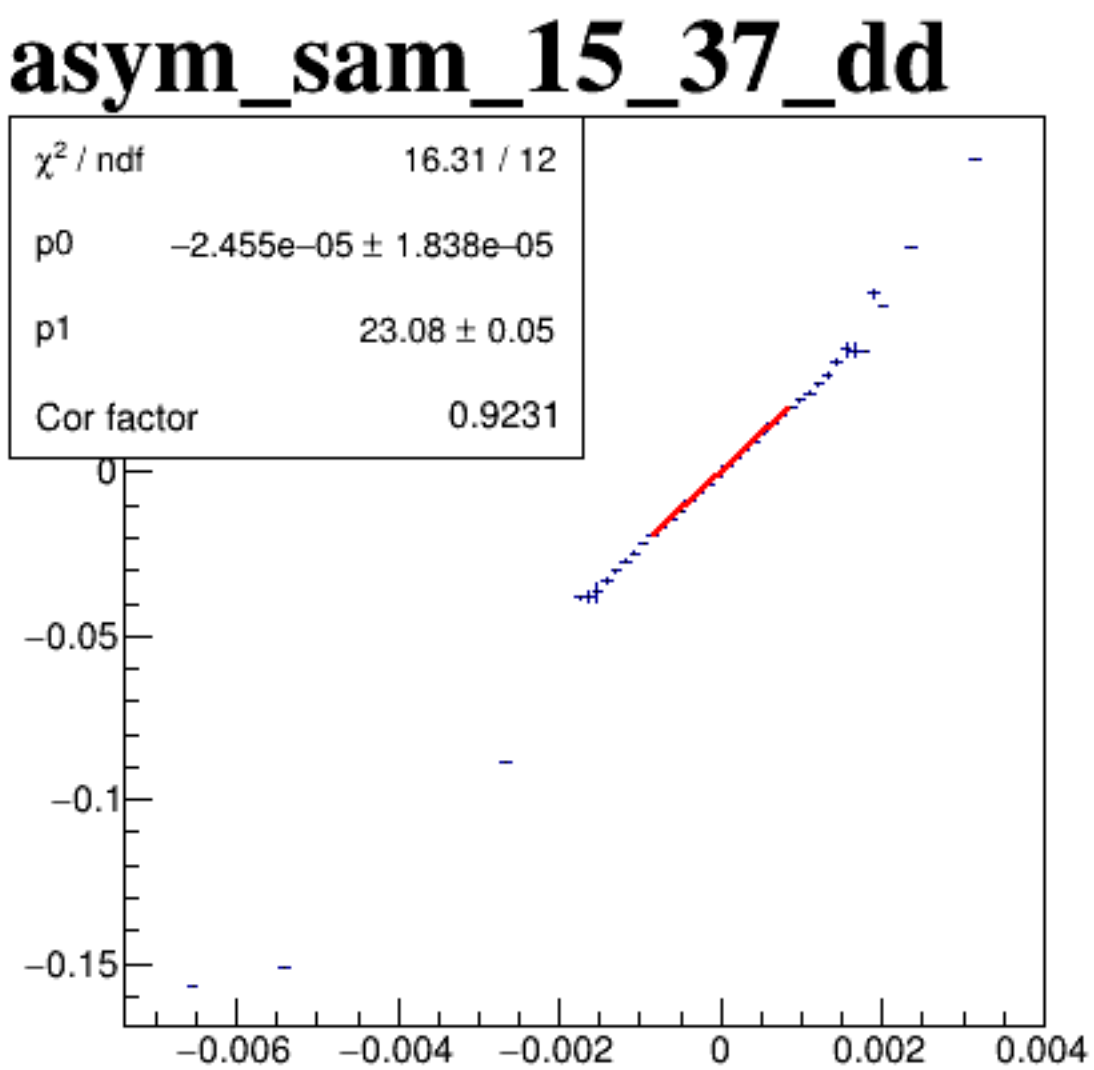
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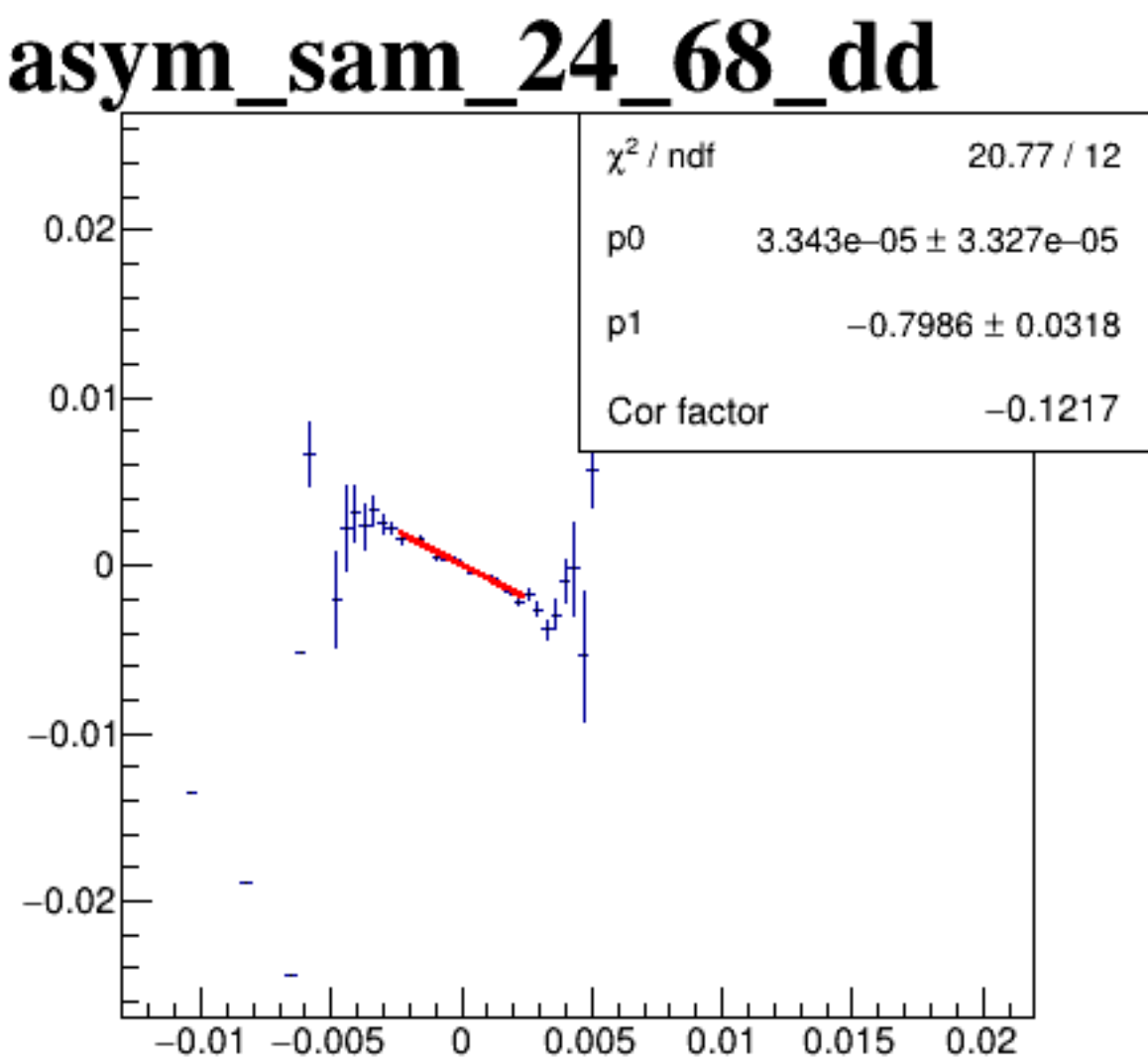
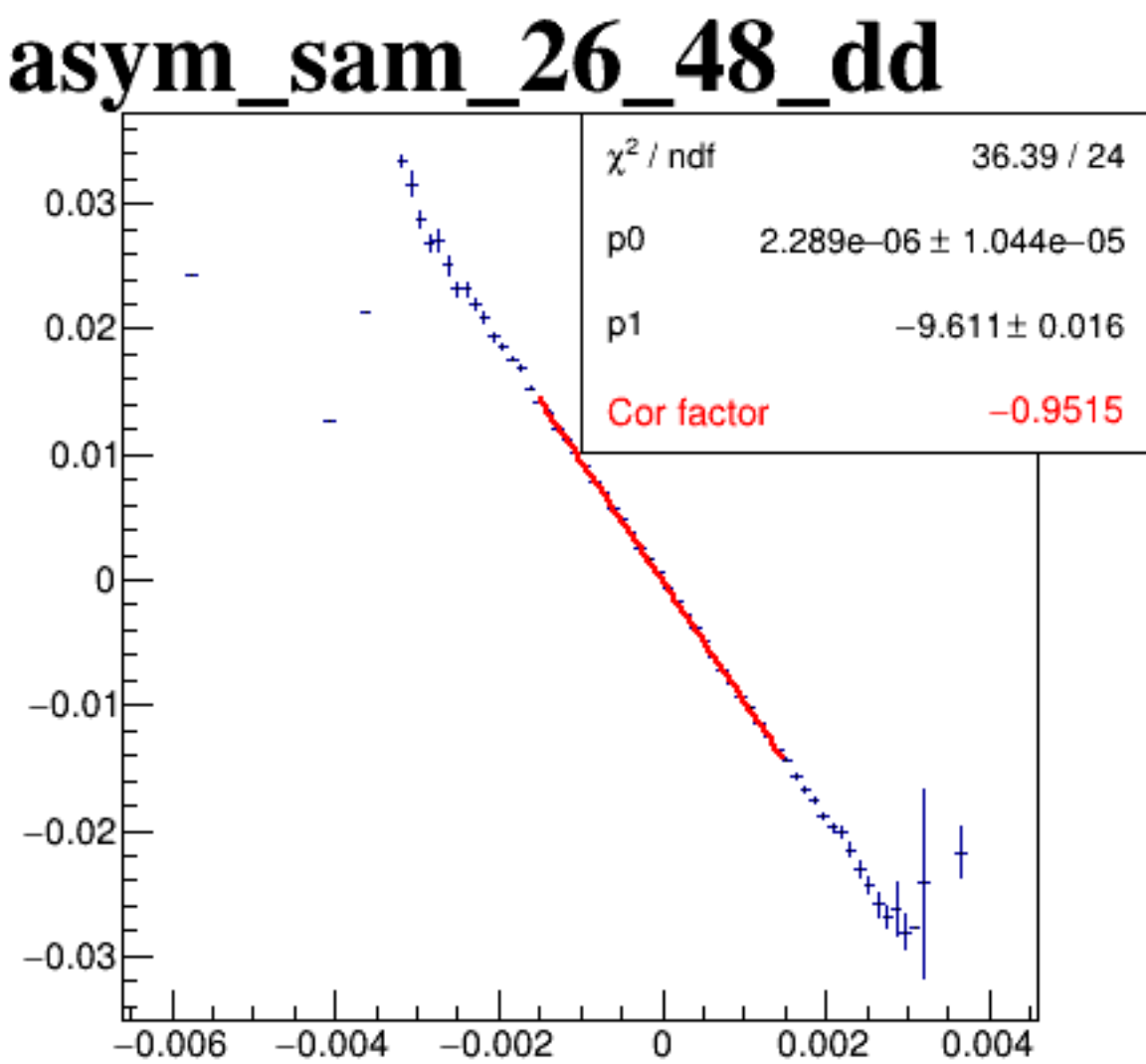
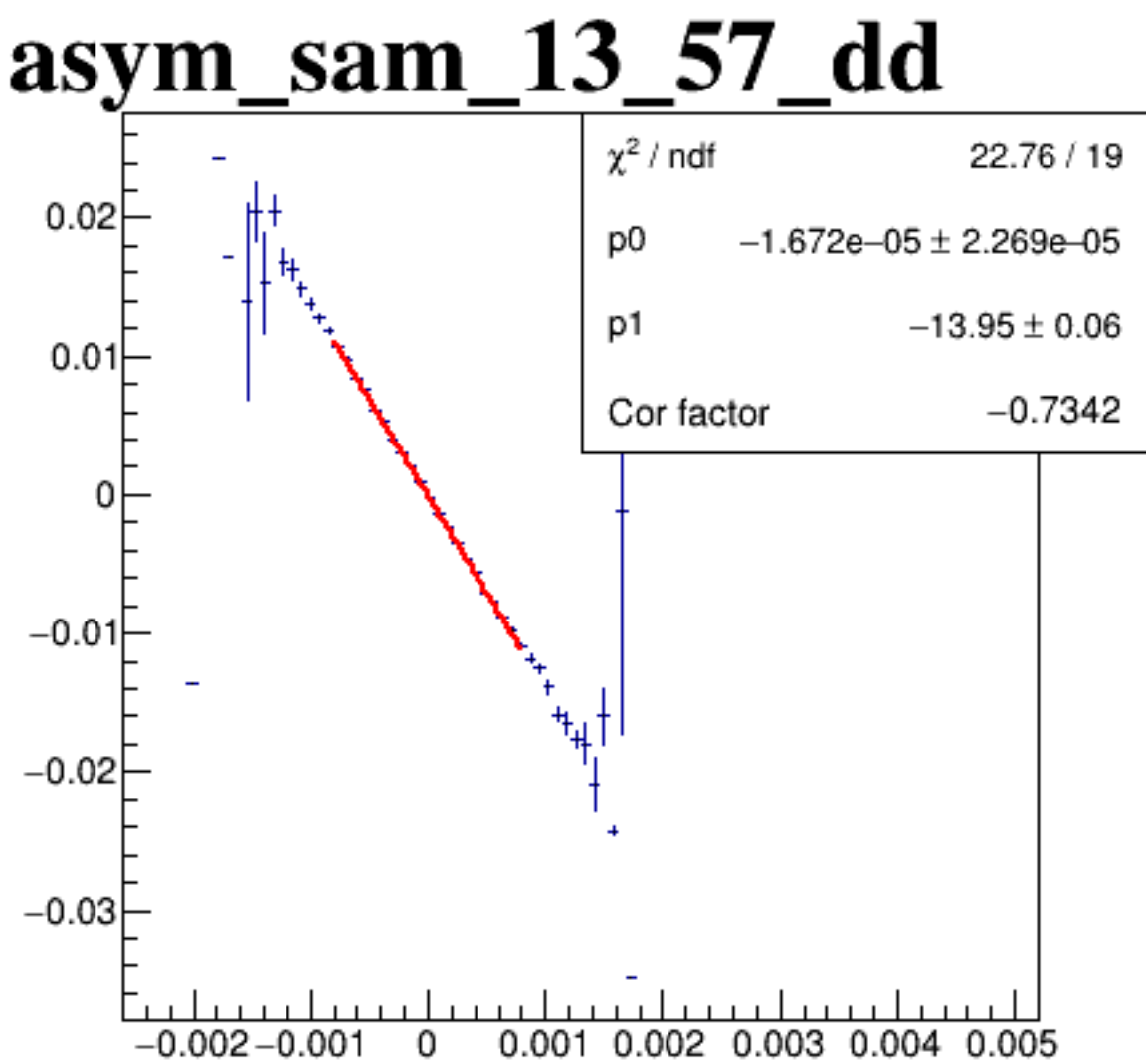
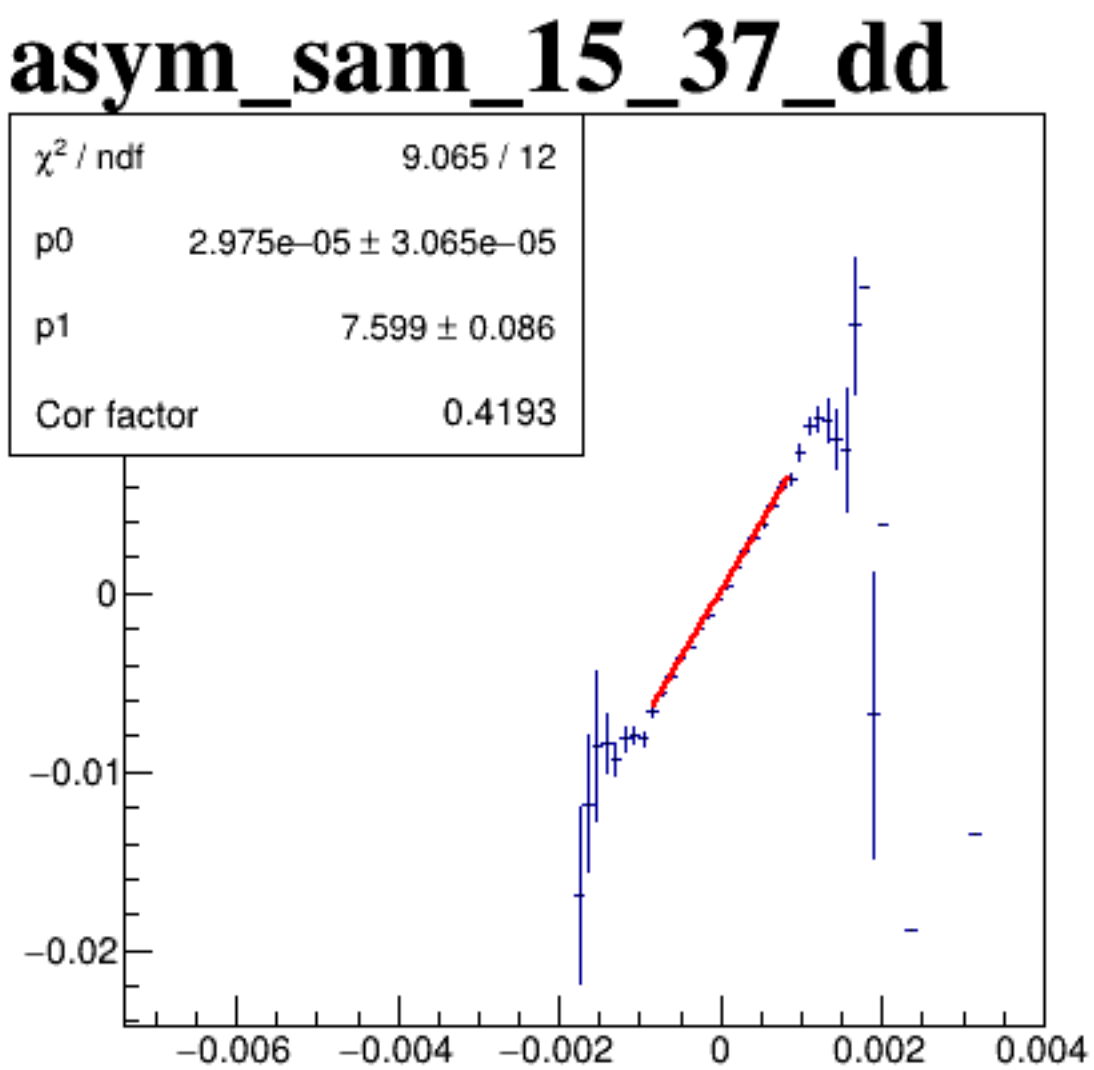
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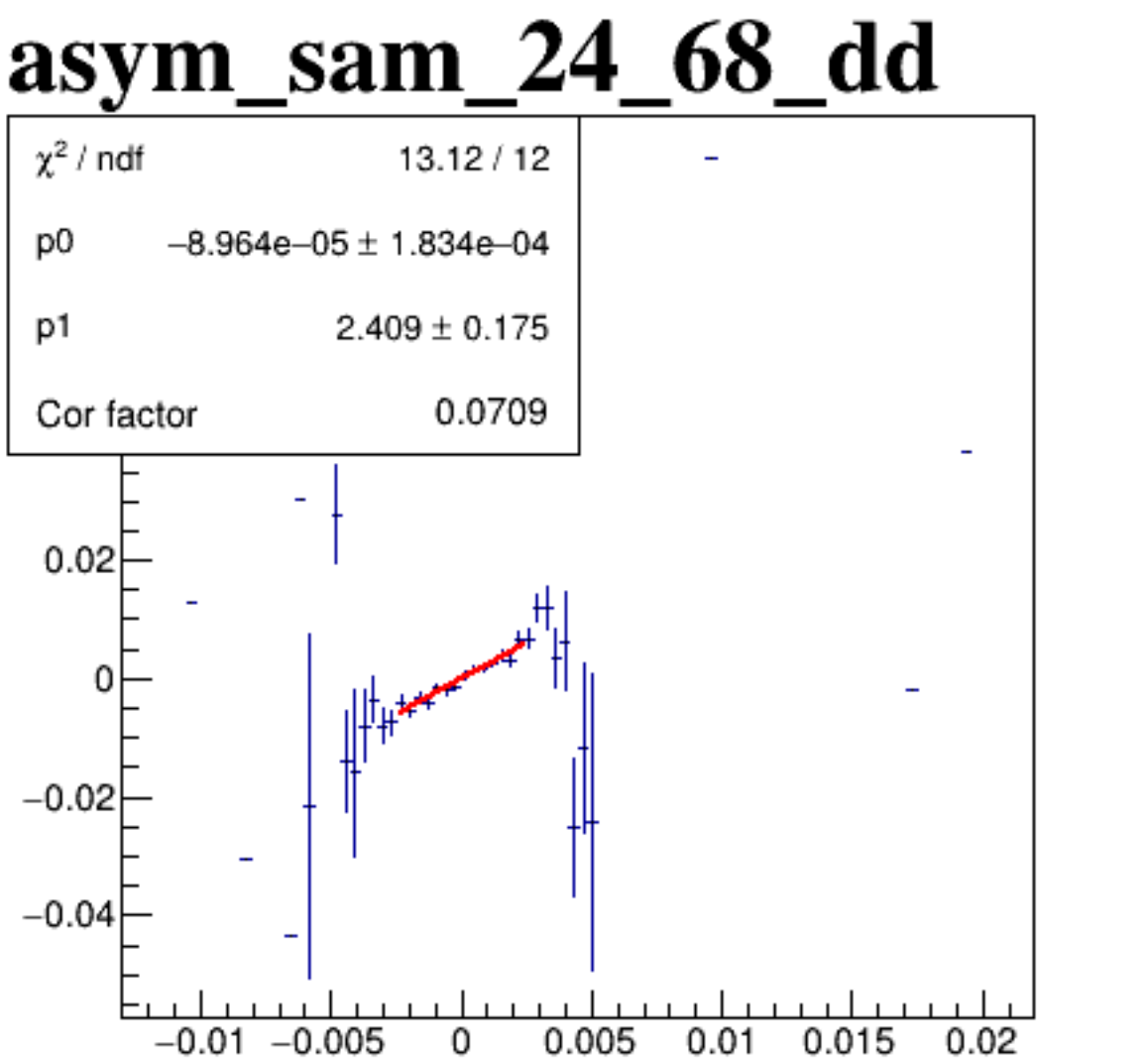
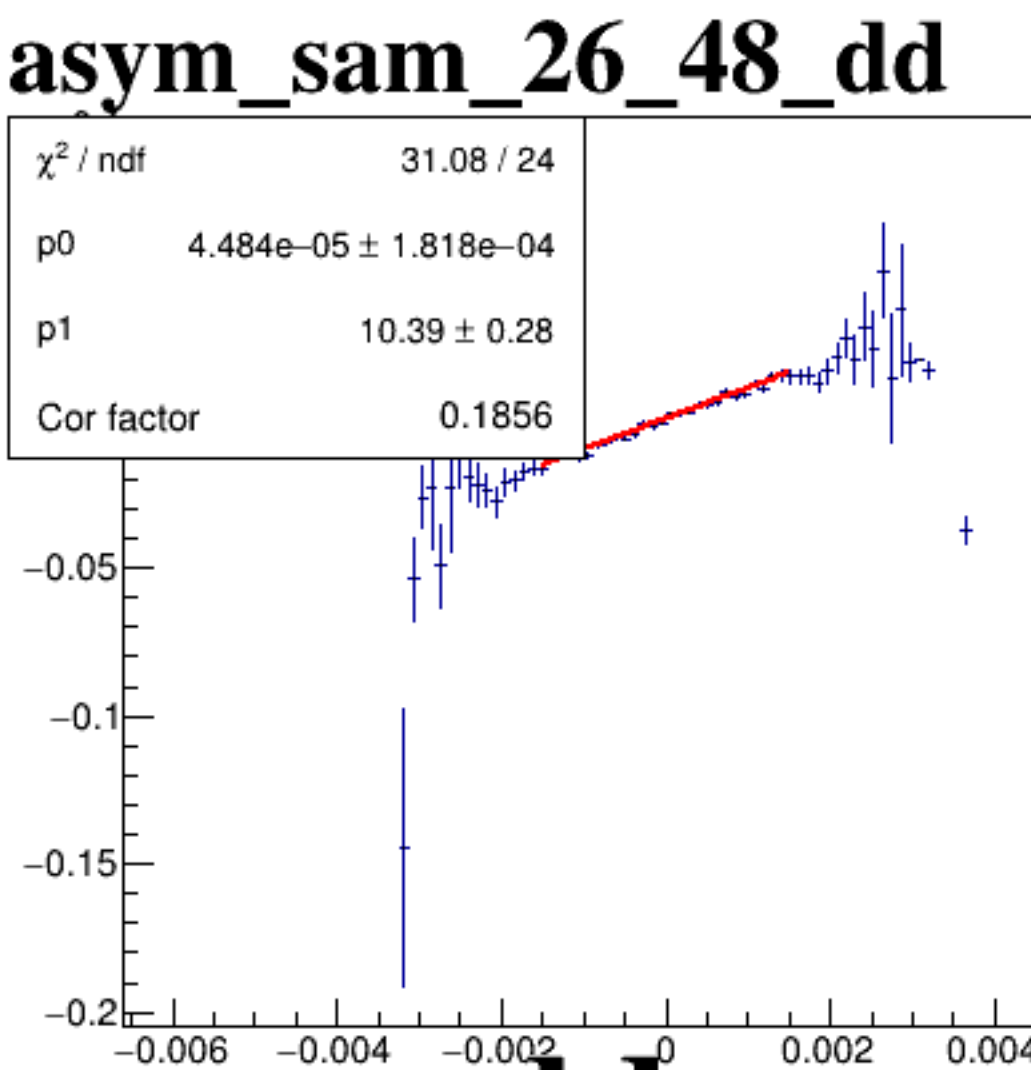
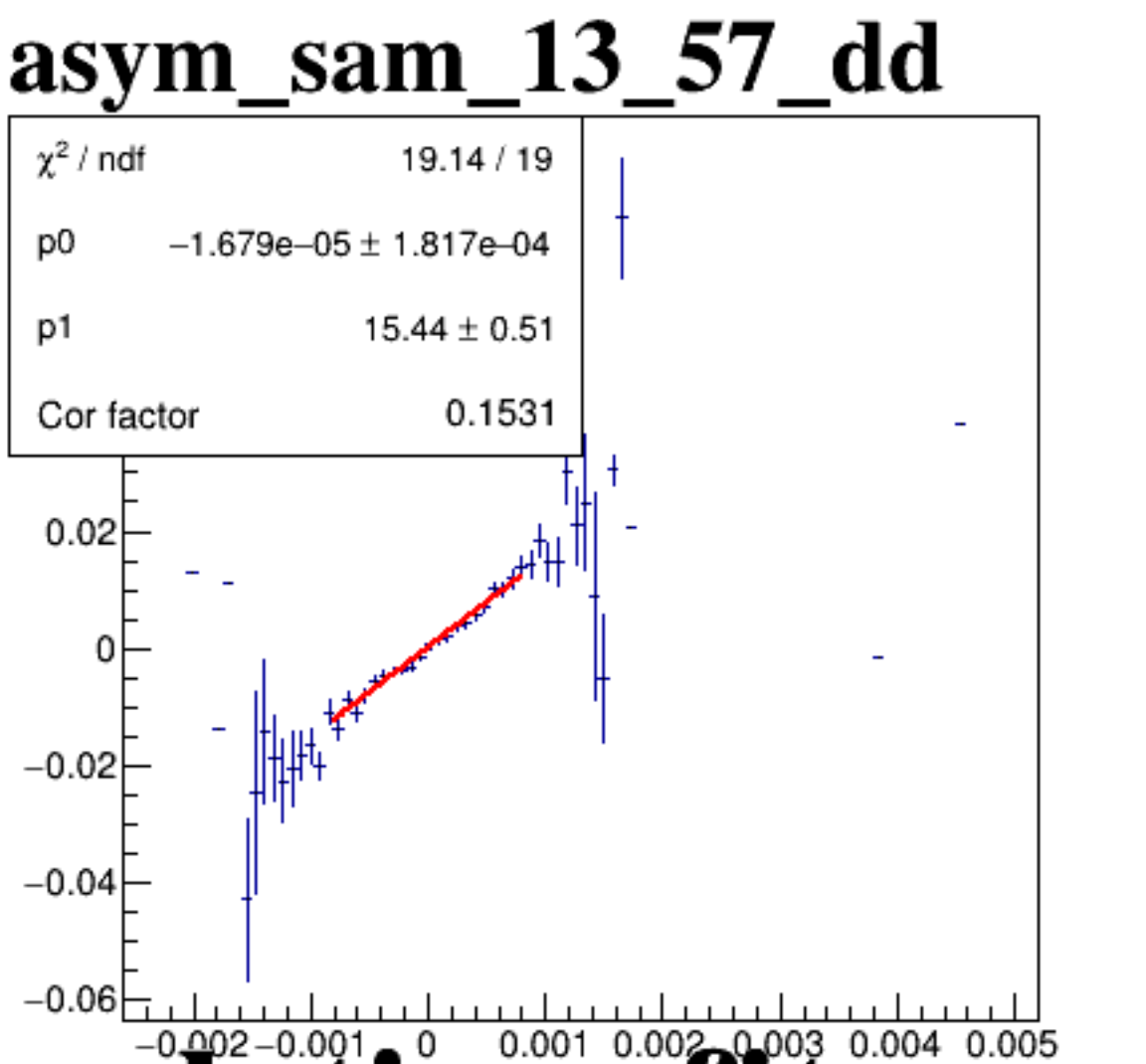
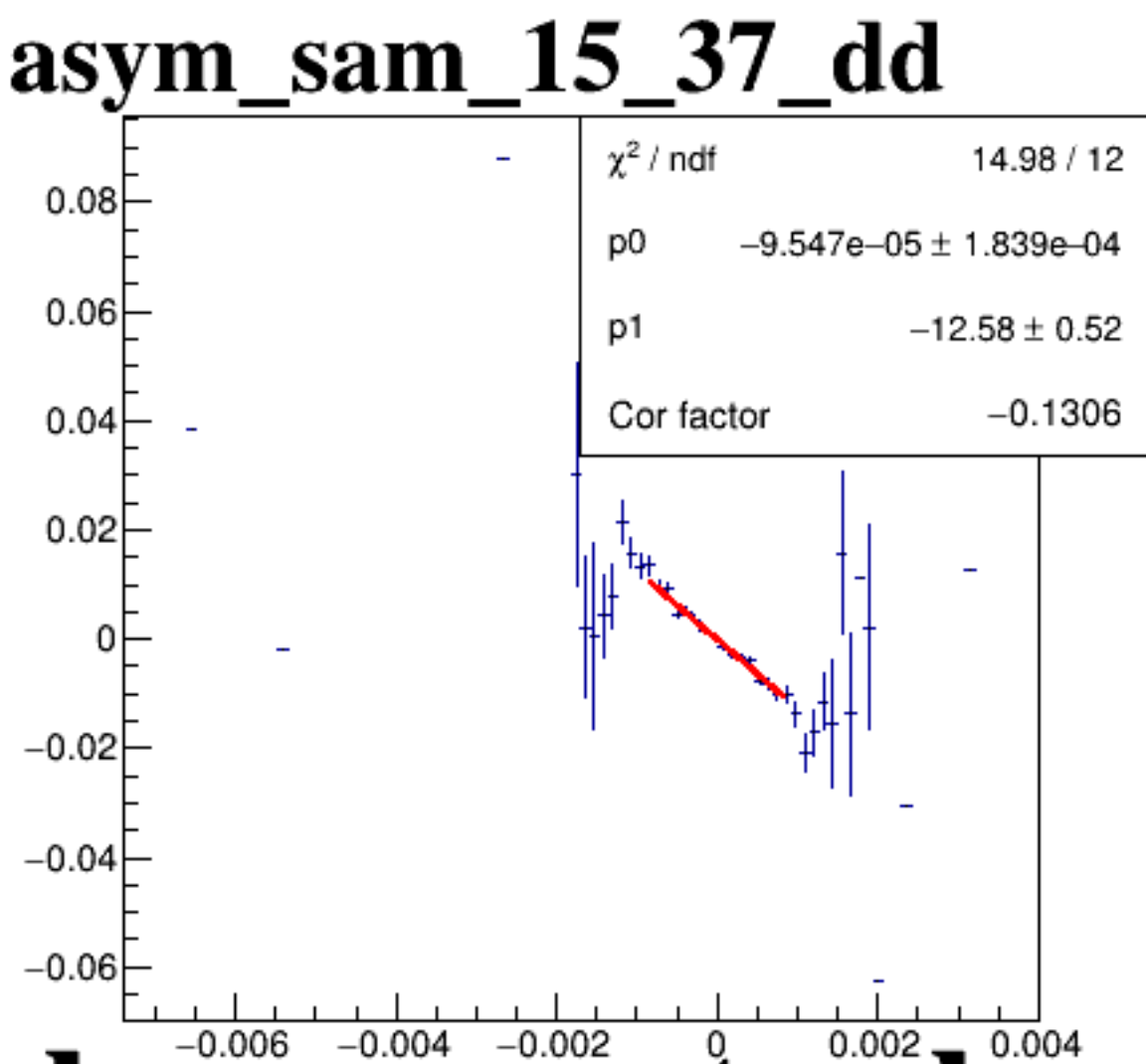
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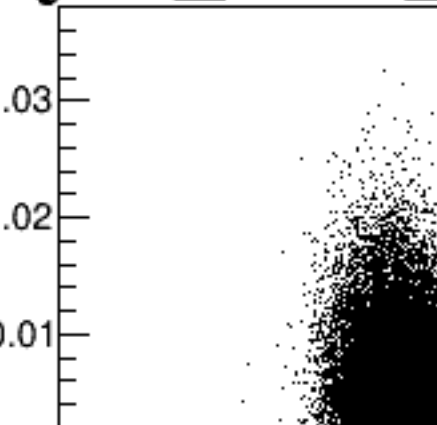


diff_bpm4eY

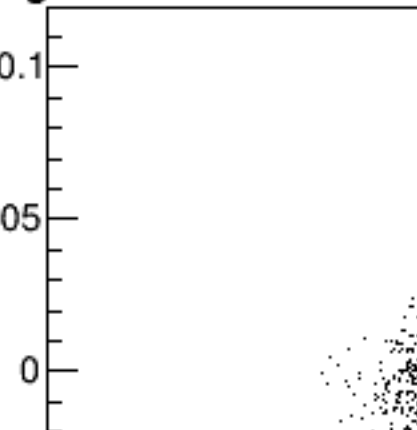


diff_bpm12X



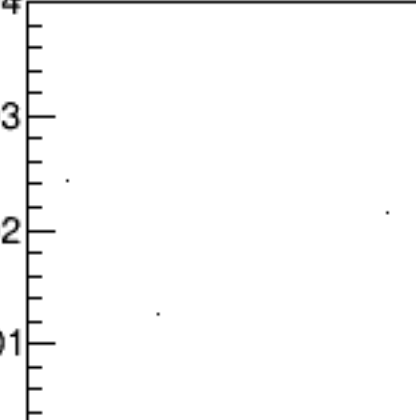


A scatter plot showing the relationship between `mulc.asy_m_sam_24_68_dd` (x-axis) and `asy_m_sam_24_68_dd` (y-axis). The x-axis ranges from -0.01 to 0.02, and the y-axis ranges from -0.04 to 0.03. The data points form a dense, vertically elongated cloud centered around x=0 and y=0, indicating a strong positive correlation.



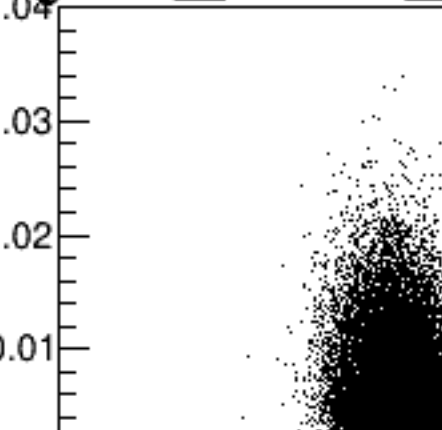
A scatter plot showing the relationship between `asym_sam_26_48_dd` (y-axis) and `mulc.asym_sam_26_48_dd` (x-axis). The y-axis ranges from -0.15 to 0.1, and the x-axis ranges from -0.006 to 0.004. The data points are tightly clustered around the origin (0,0), forming a dense, elongated cloud.

A scatter plot showing the relationship between `asym_sam_24_68_dd` (y-axis) and `mulc.asym_sam_24_68_dd` (x-axis). The y-axis ranges from -0.15 to 0.1, and the x-axis ranges from -0.01 to 0.02. The data points form a dense, dark diagonal line, indicating a strong positive correlation between the two variables.

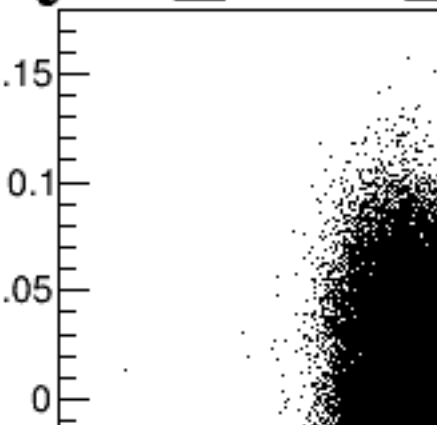


A scatter plot showing the relationship between `asym_sam_15_37_dd` (y-axis) and `mulc.asym_sam_15_37_dd` (x-axis). The data points form a dense, elongated elliptical cloud centered around (0,0), indicating a strong positive correlation. The axes range from -0.006 to 0.004 on the x-axis and -0.04 to 0.04 on the y-axis.

A scatter plot showing the relationship between `mulc.asy_sam_13_57_dd` (x-axis) and `asy_sam_13_57_dd` (y-axis). The x-axis ranges from -0.002 to 0.005, and the y-axis ranges from -0.04 to 0.04. The data points form a dense, elongated elliptical cloud centered around (0,0), indicating a strong positive correlation.



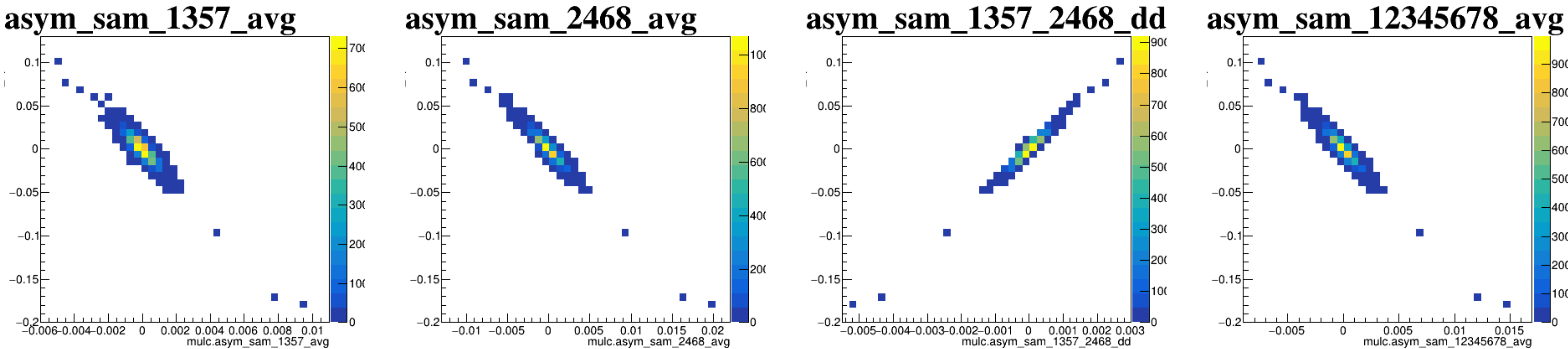
A scatter plot showing the relationship between `asym_sam_24_68_dd` (y-axis) and `mulc.asym_sam_24_68_dd` (x-axis). The y-axis ranges from -0.04 to 0.04, and the x-axis ranges from -0.01 to 0.02. The data points form a dense, vertically elongated elliptical cloud centered around (0, 0), indicating a weak positive correlation.



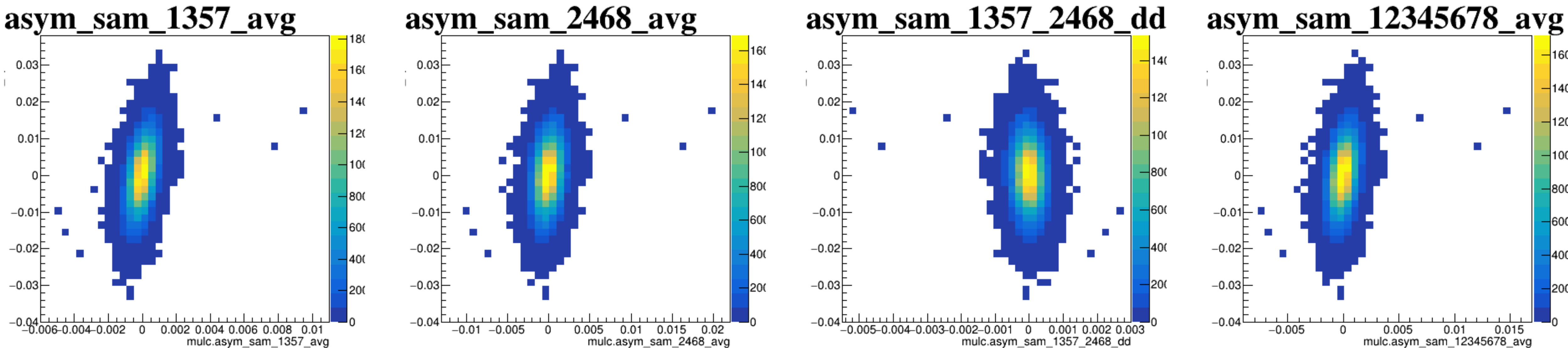
A scatter plot showing the relationship between `asym_sam_24_68_dd` (y-axis) and `mulc.asym_sam_24_68_dd` (x-axis). The y-axis ranges from -0.2 to 0.15, and the x-axis ranges from -0.01 to 0.02. The data points form a dense, vertically elongated cloud centered around x=0 and y=0.

run6381_000_diff_bpm_mutual_correlation_scat_sam_cross_dd.png

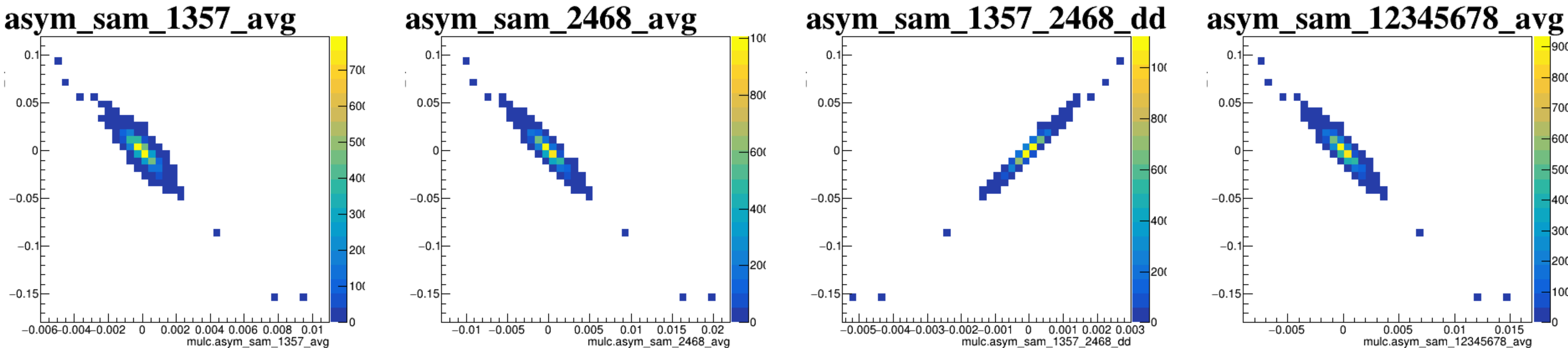
diff_bpm4aX



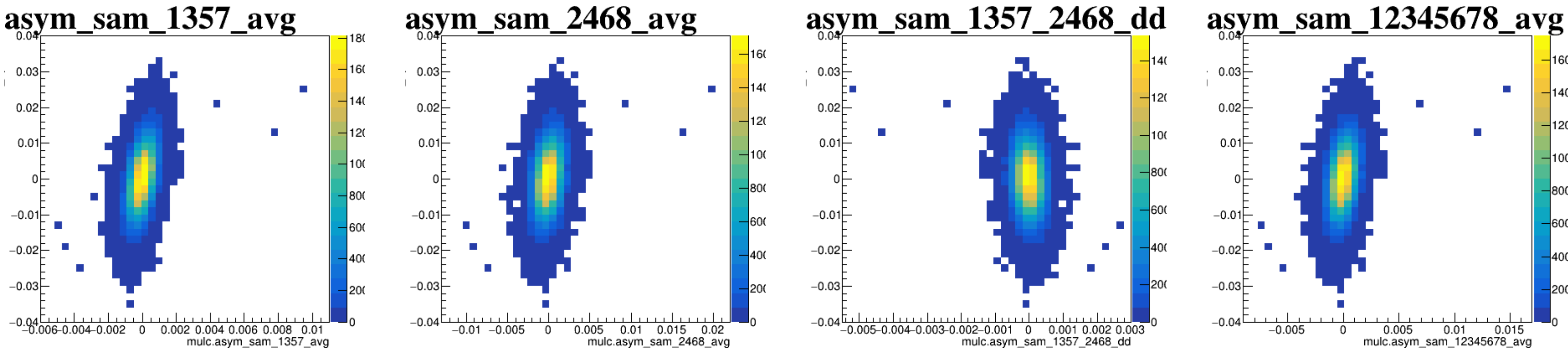
diff_bpm4aY



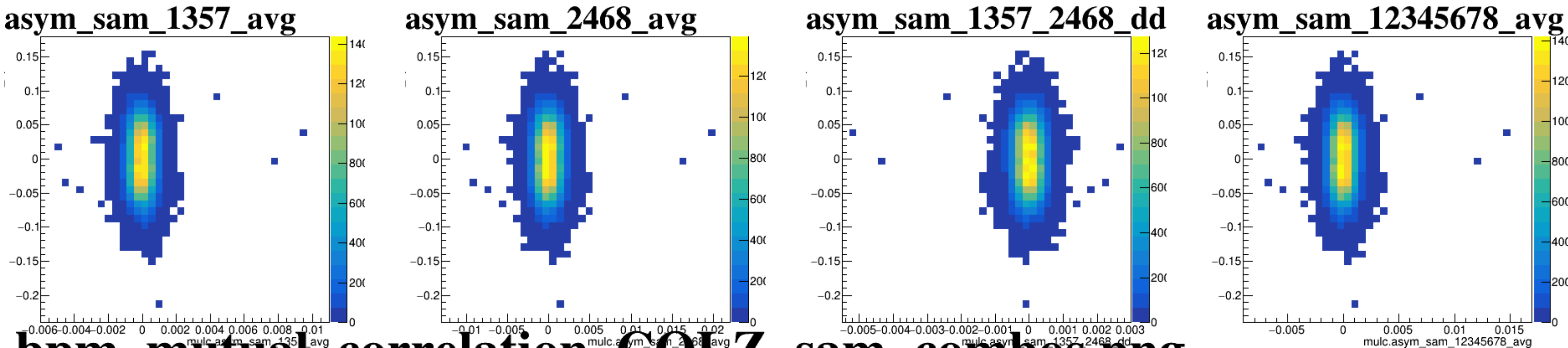
diff_bpm4eX



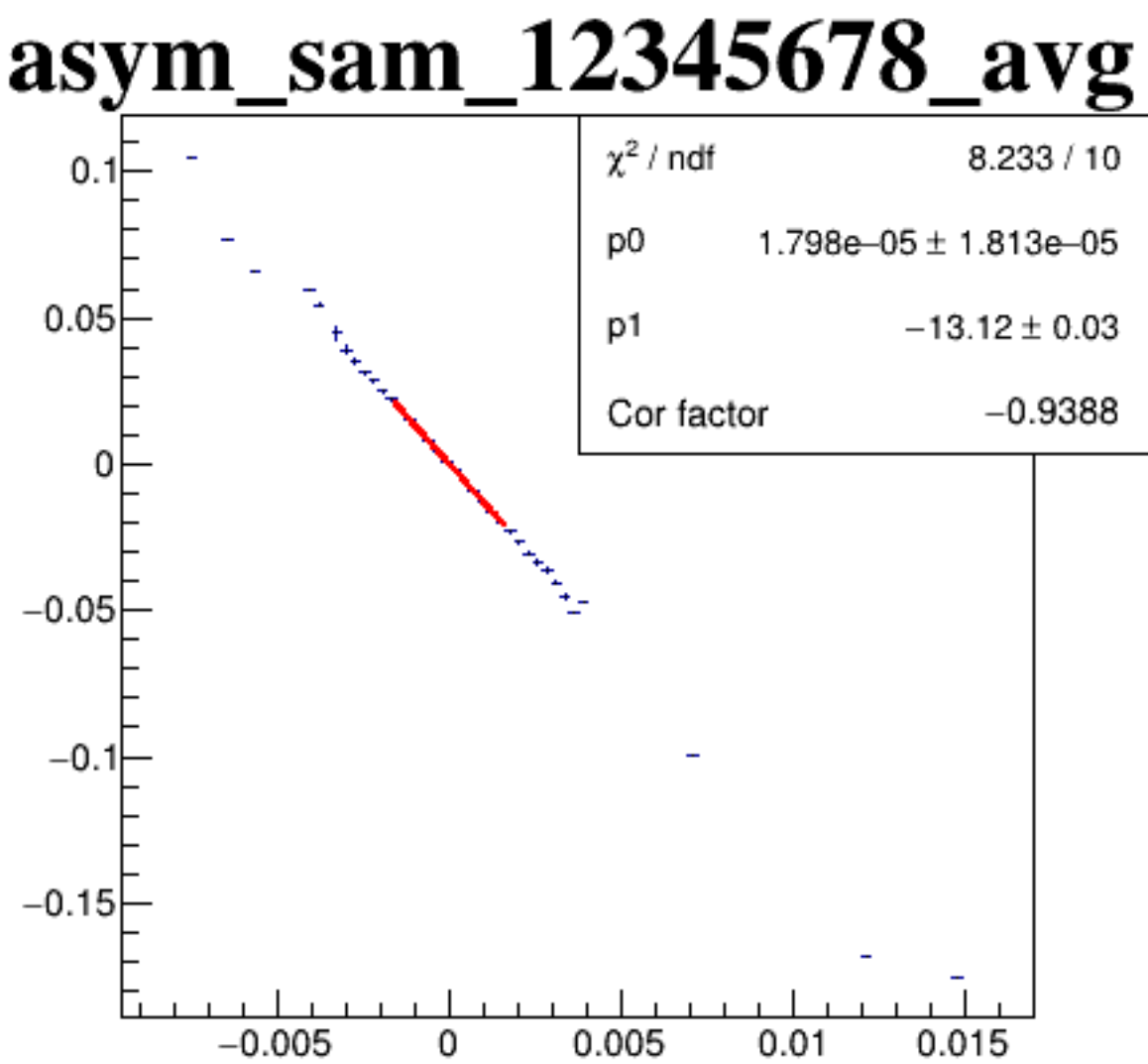
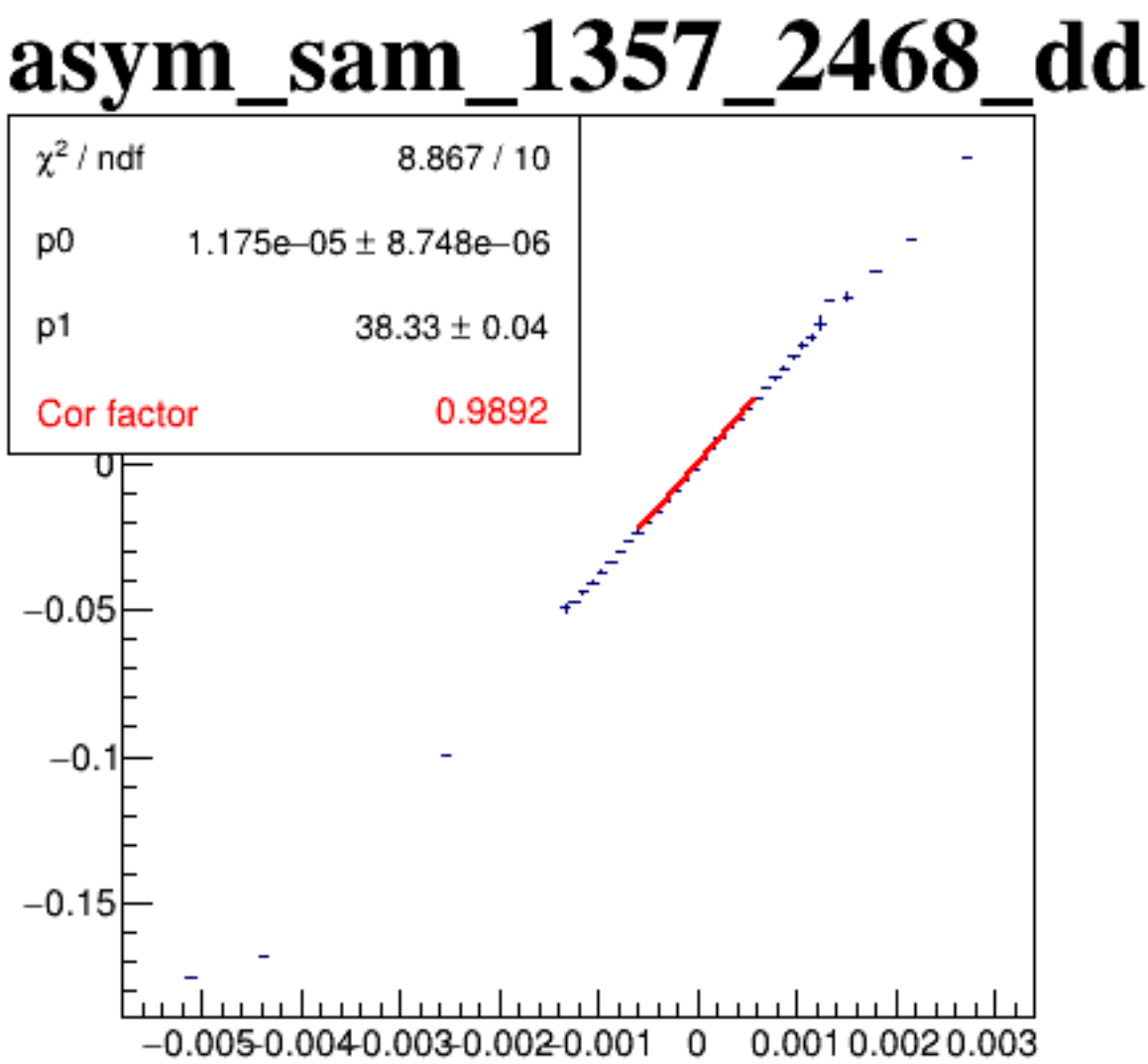
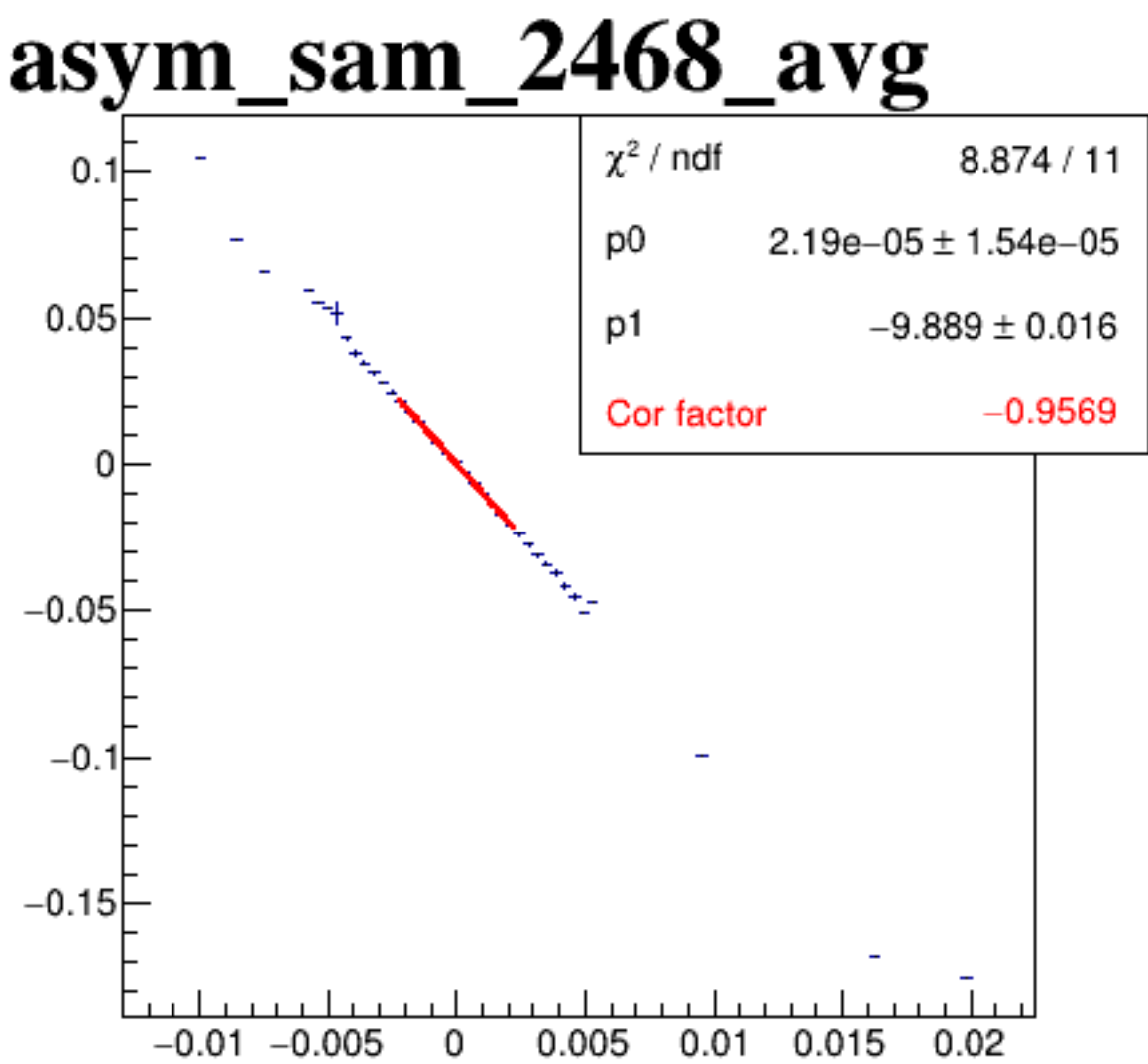
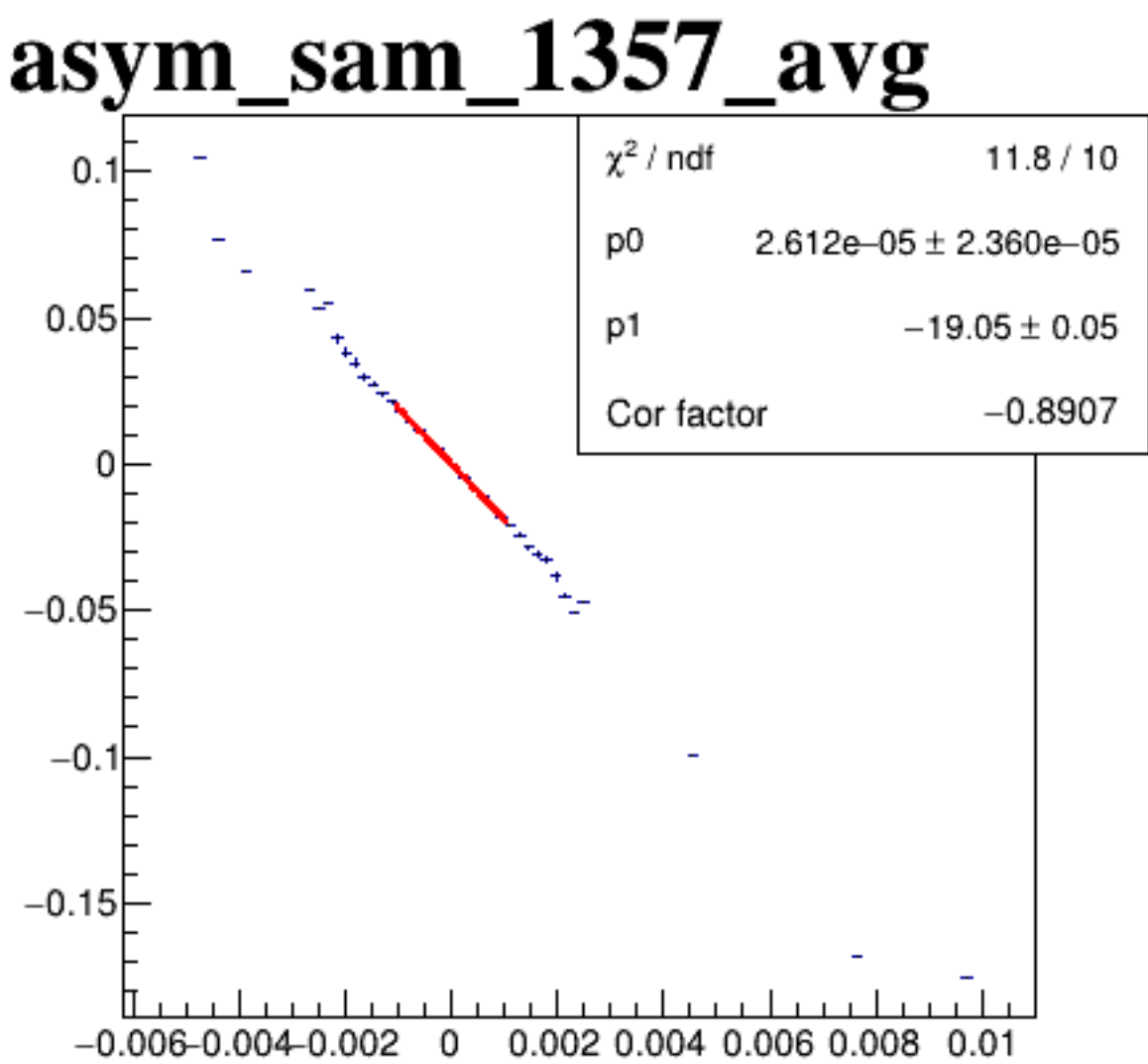
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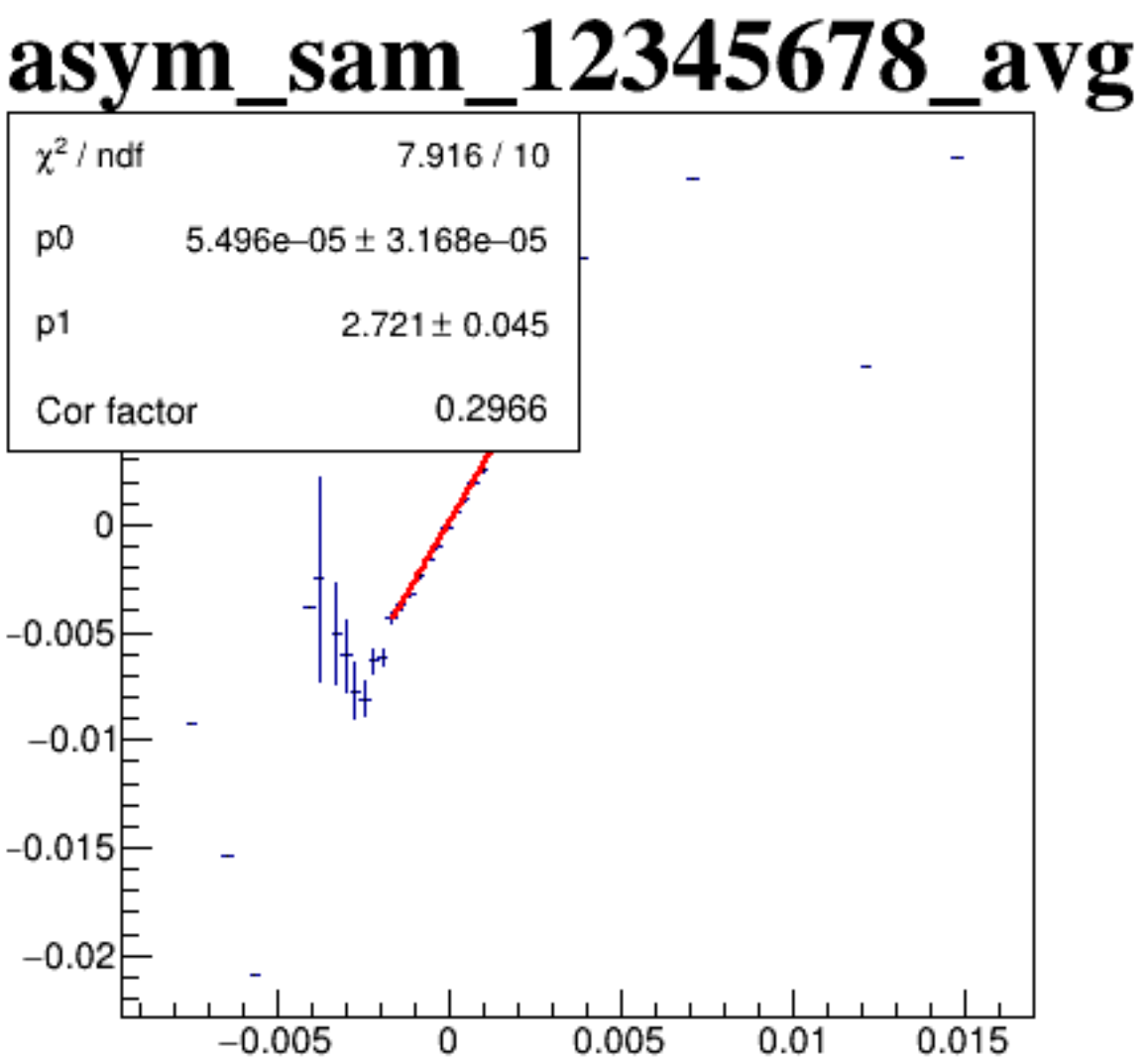
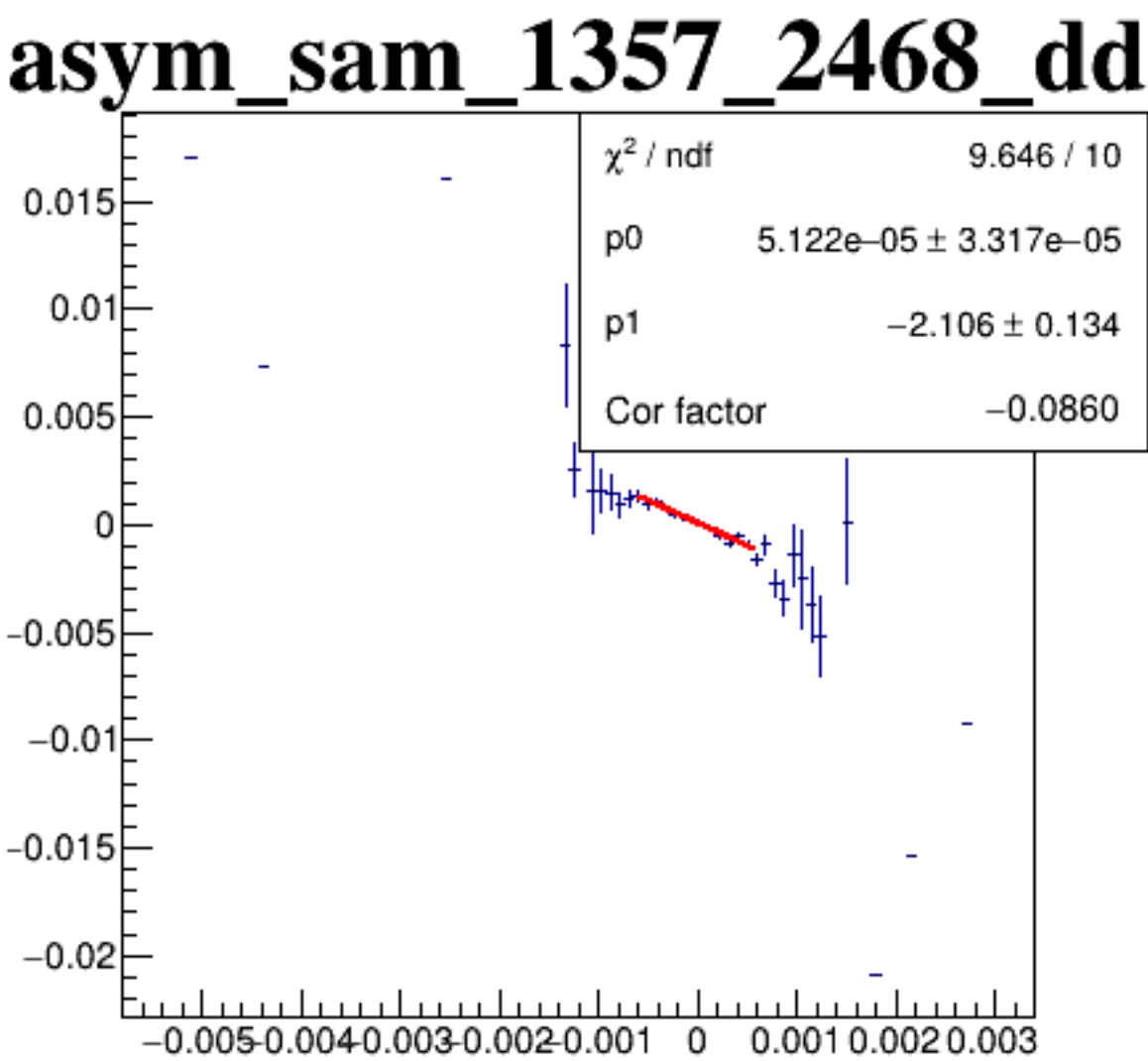
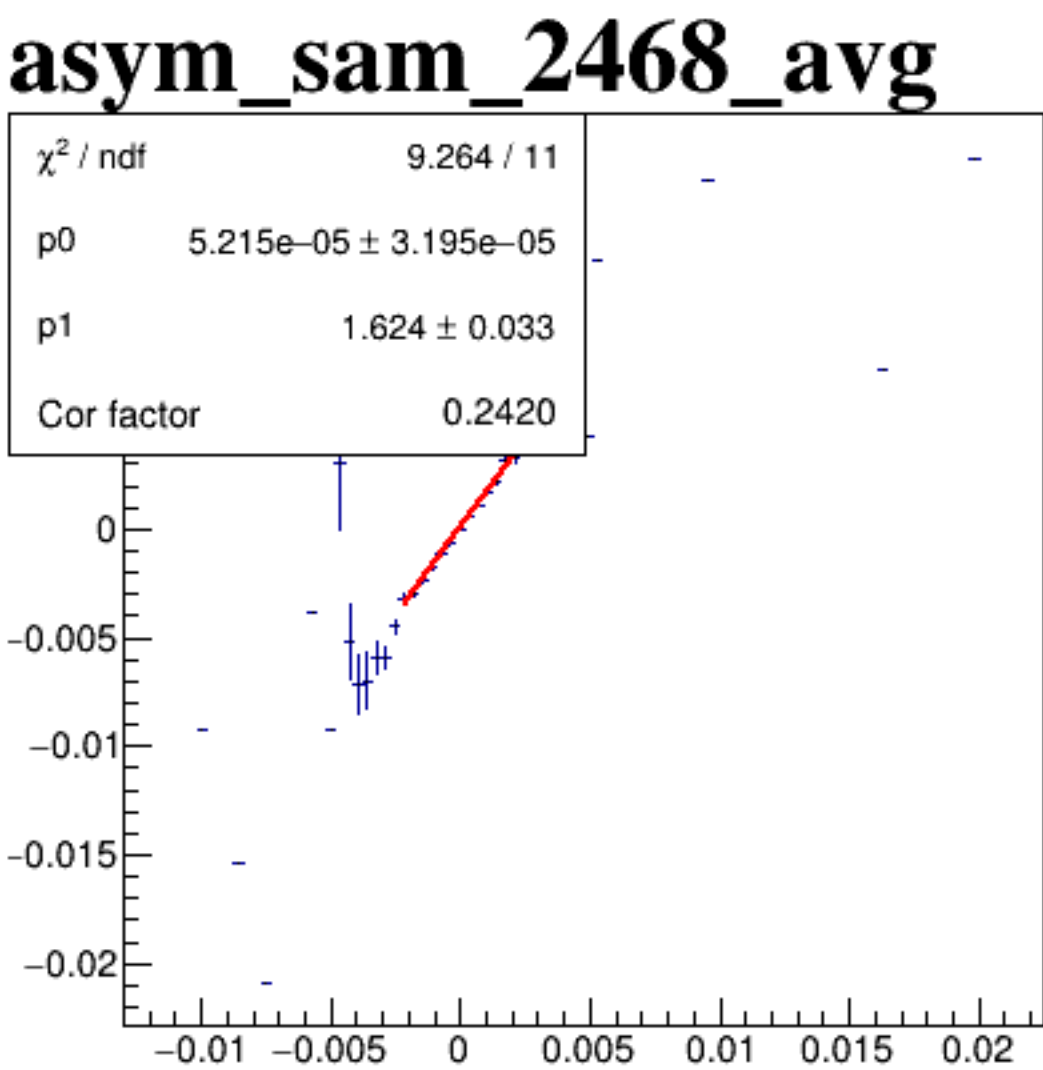
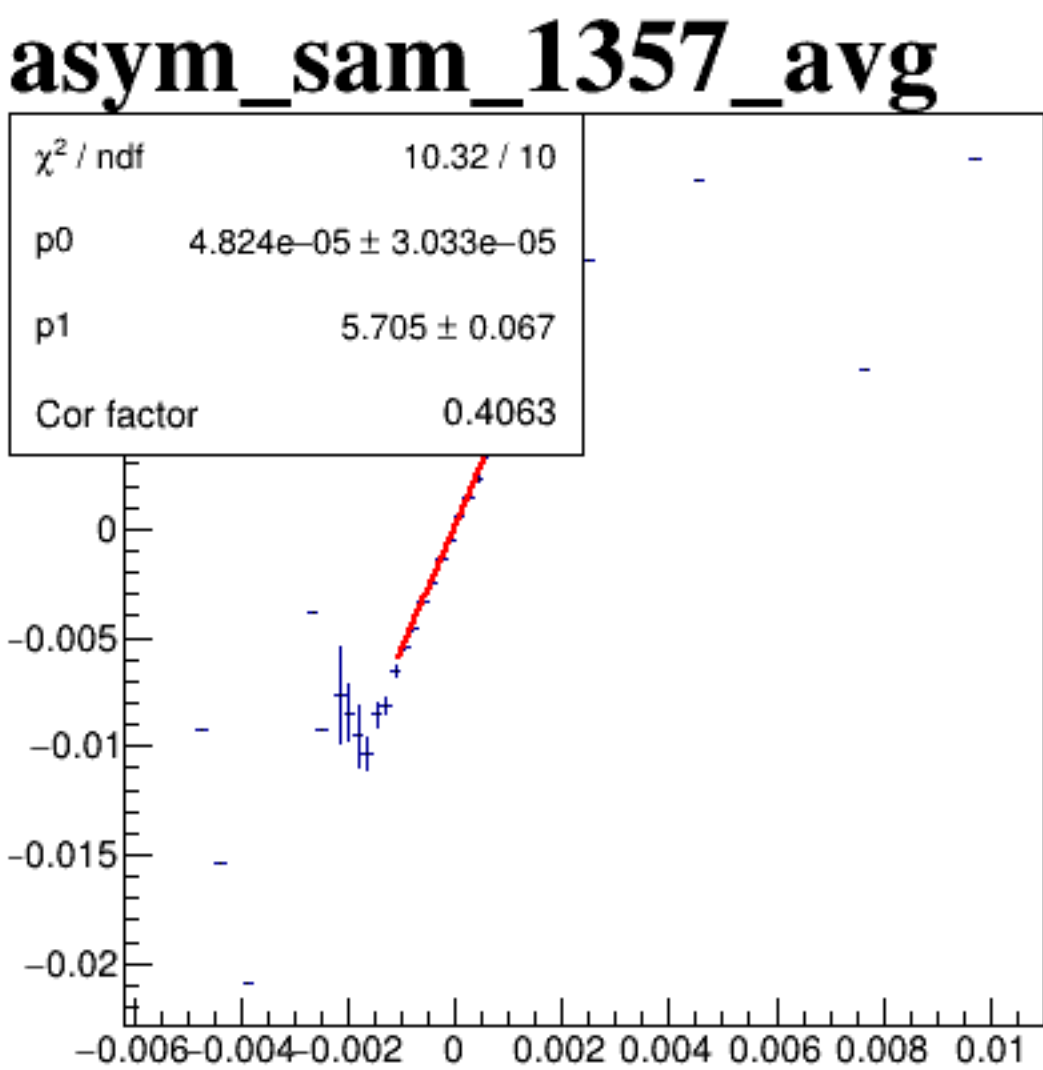
diff_bpm12X



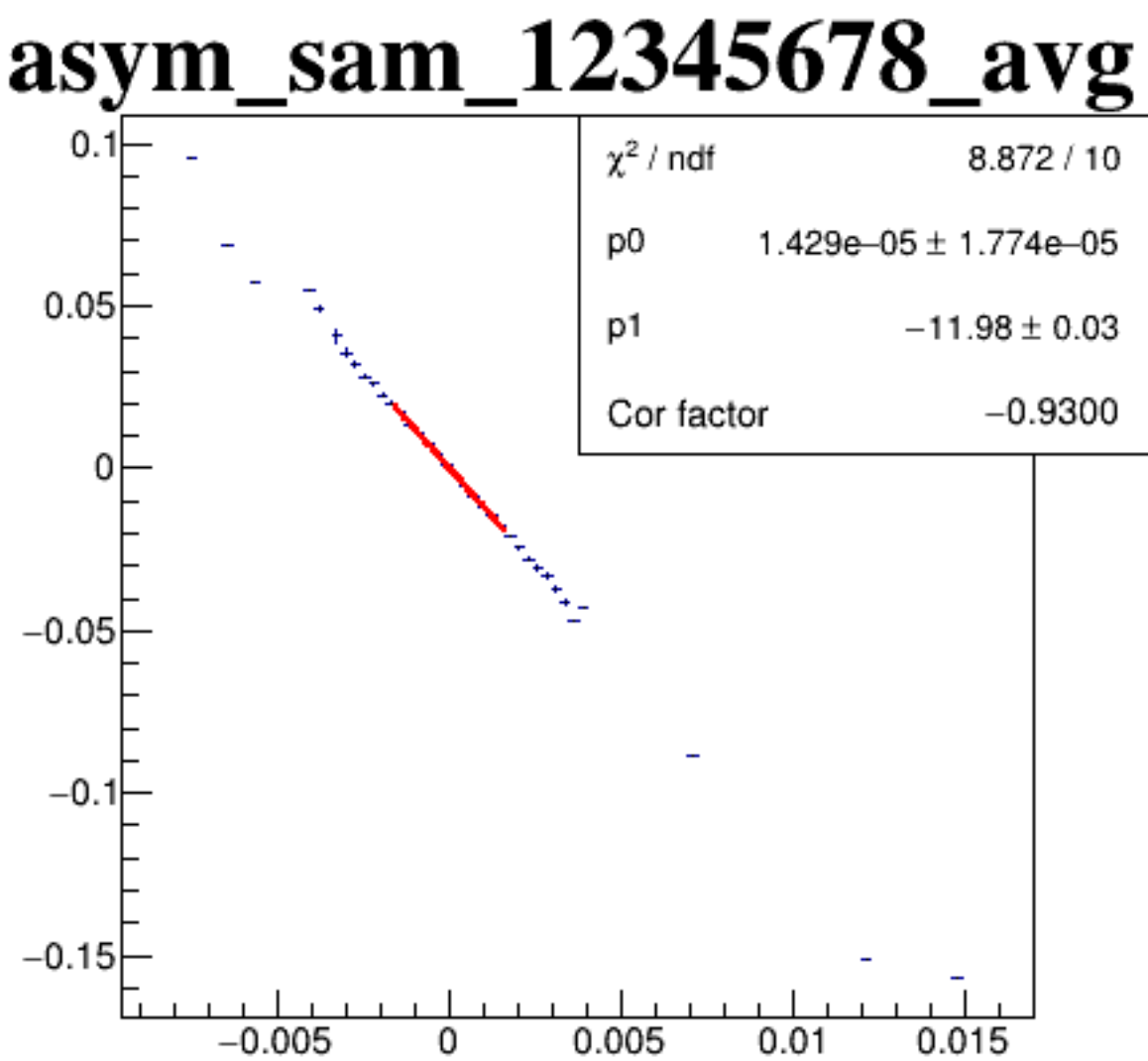
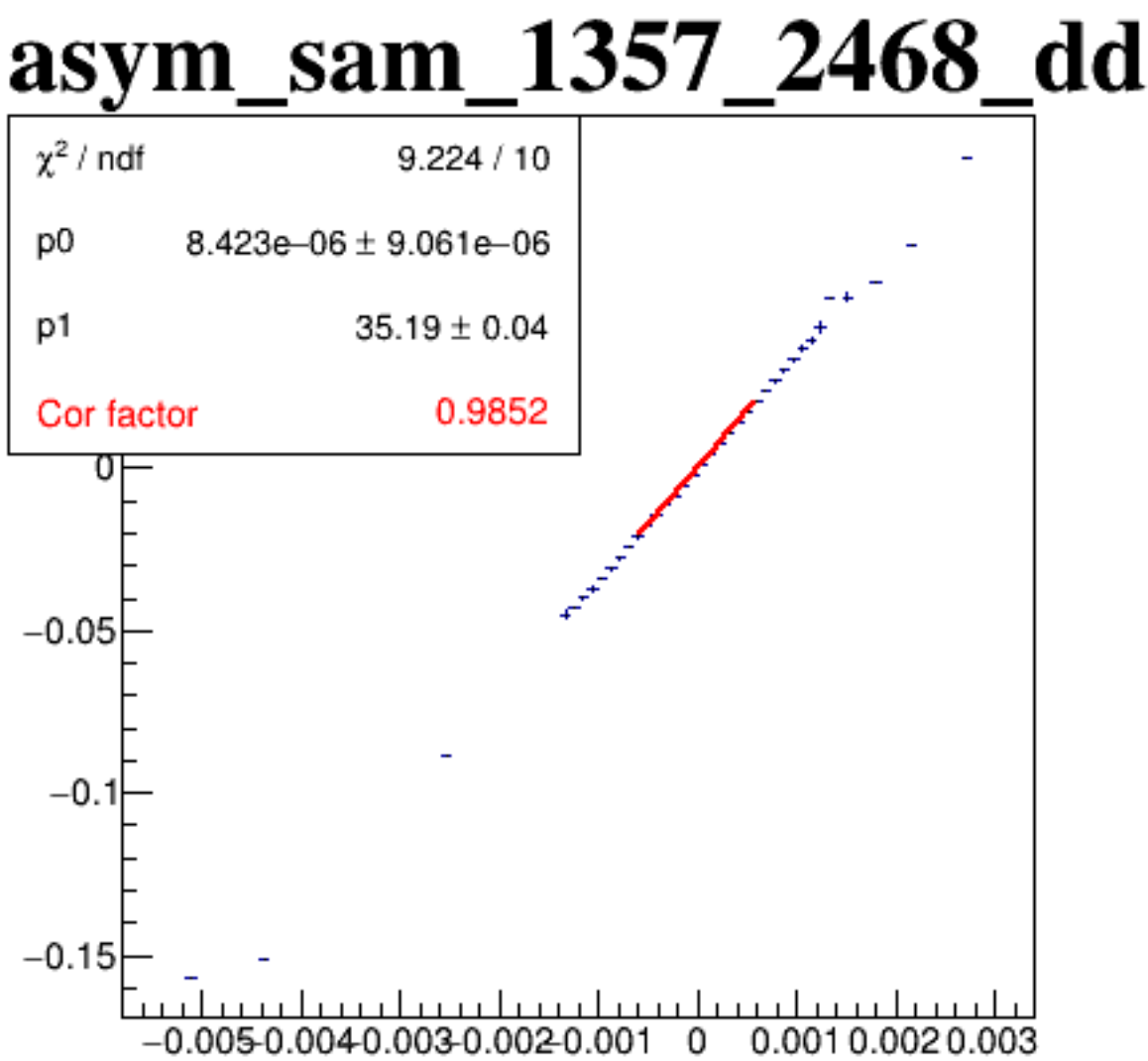
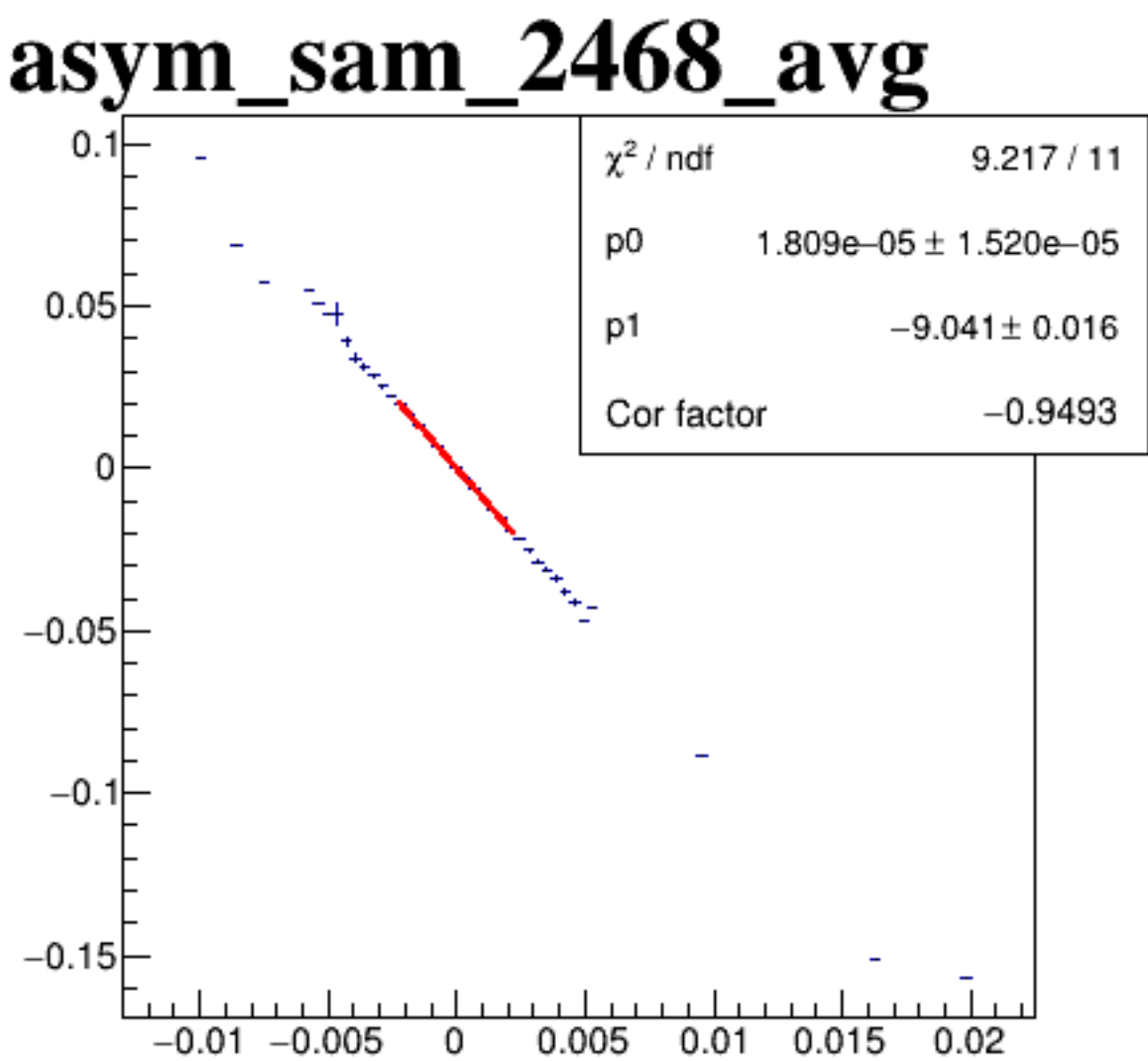
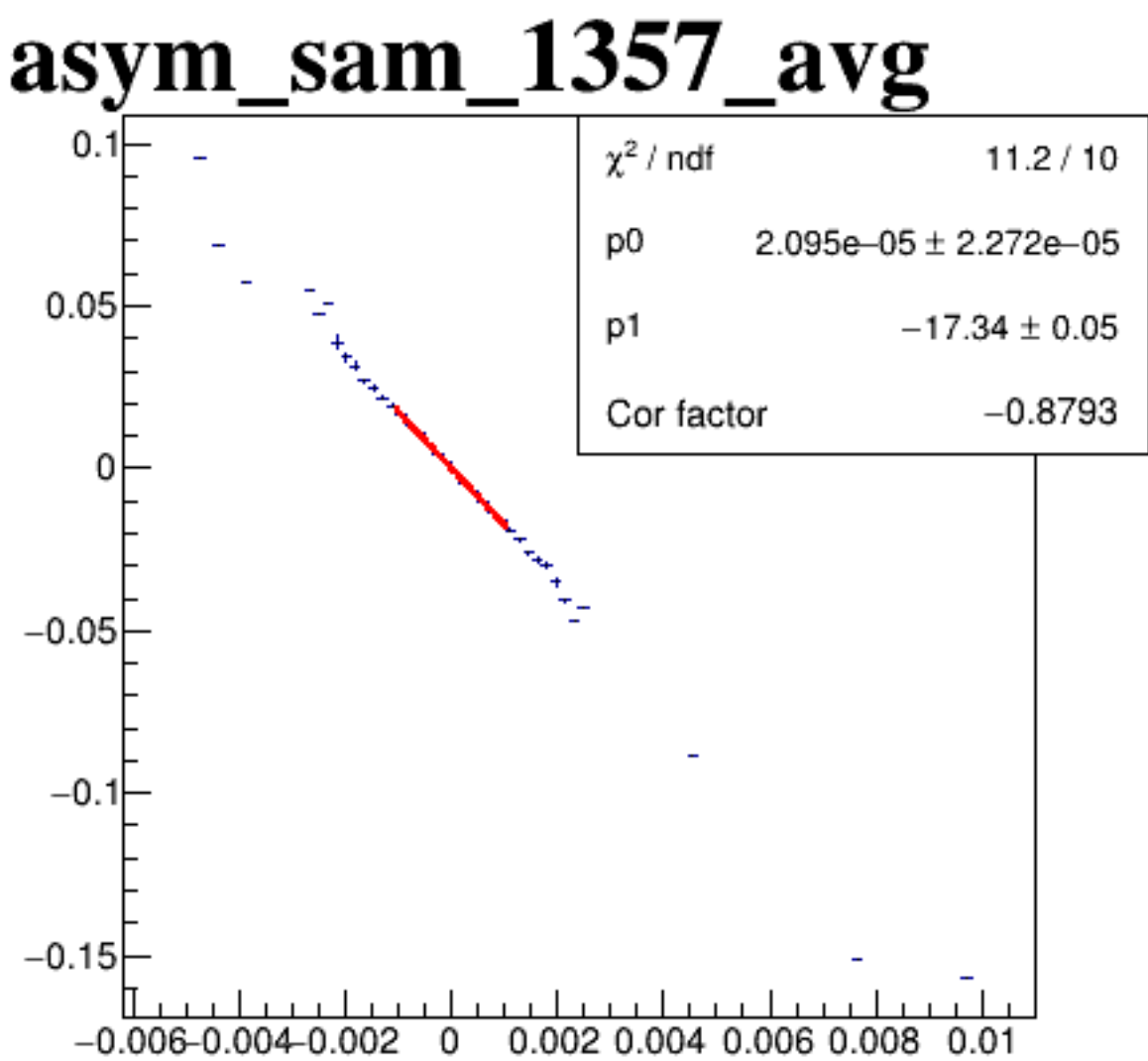
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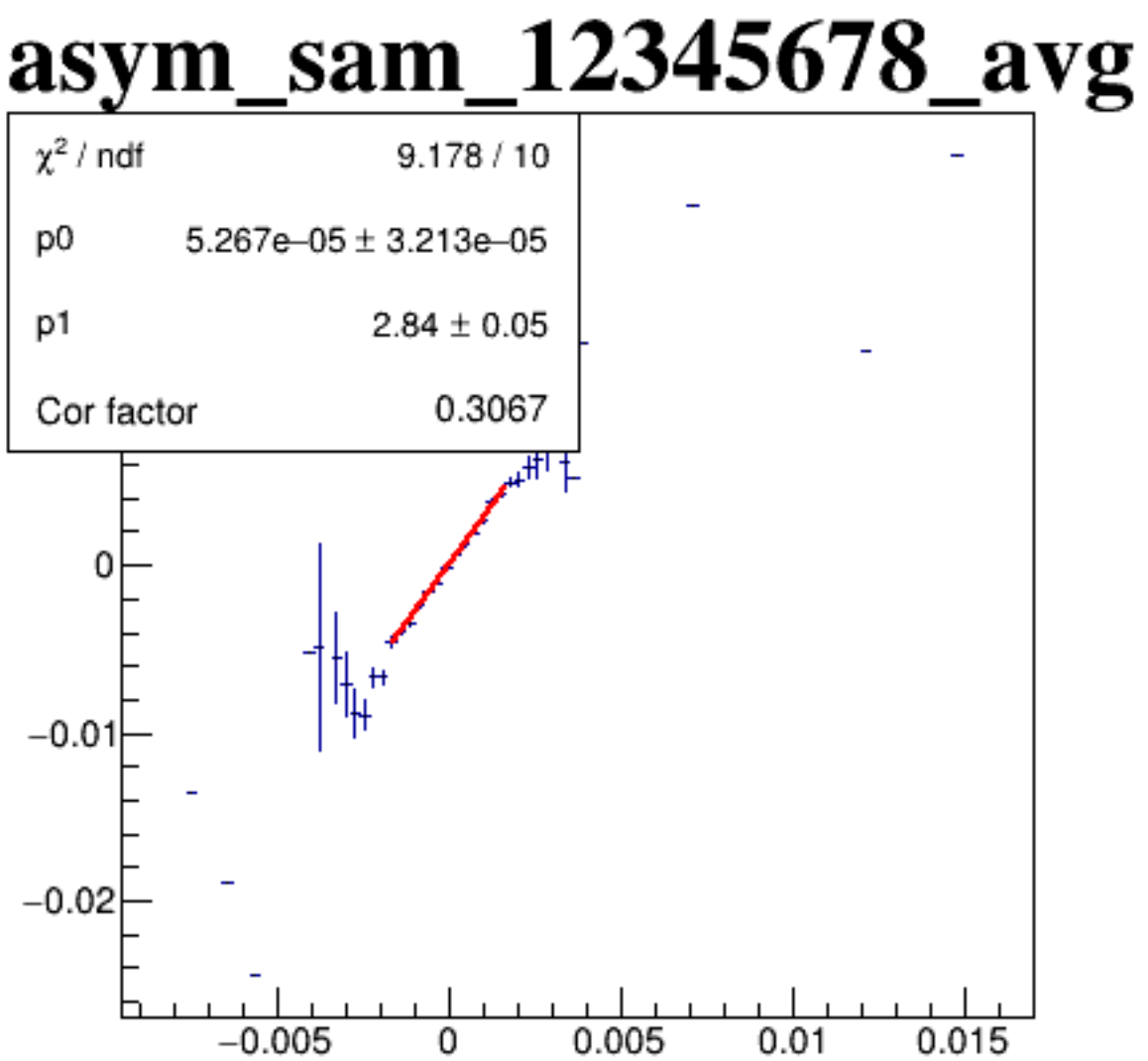
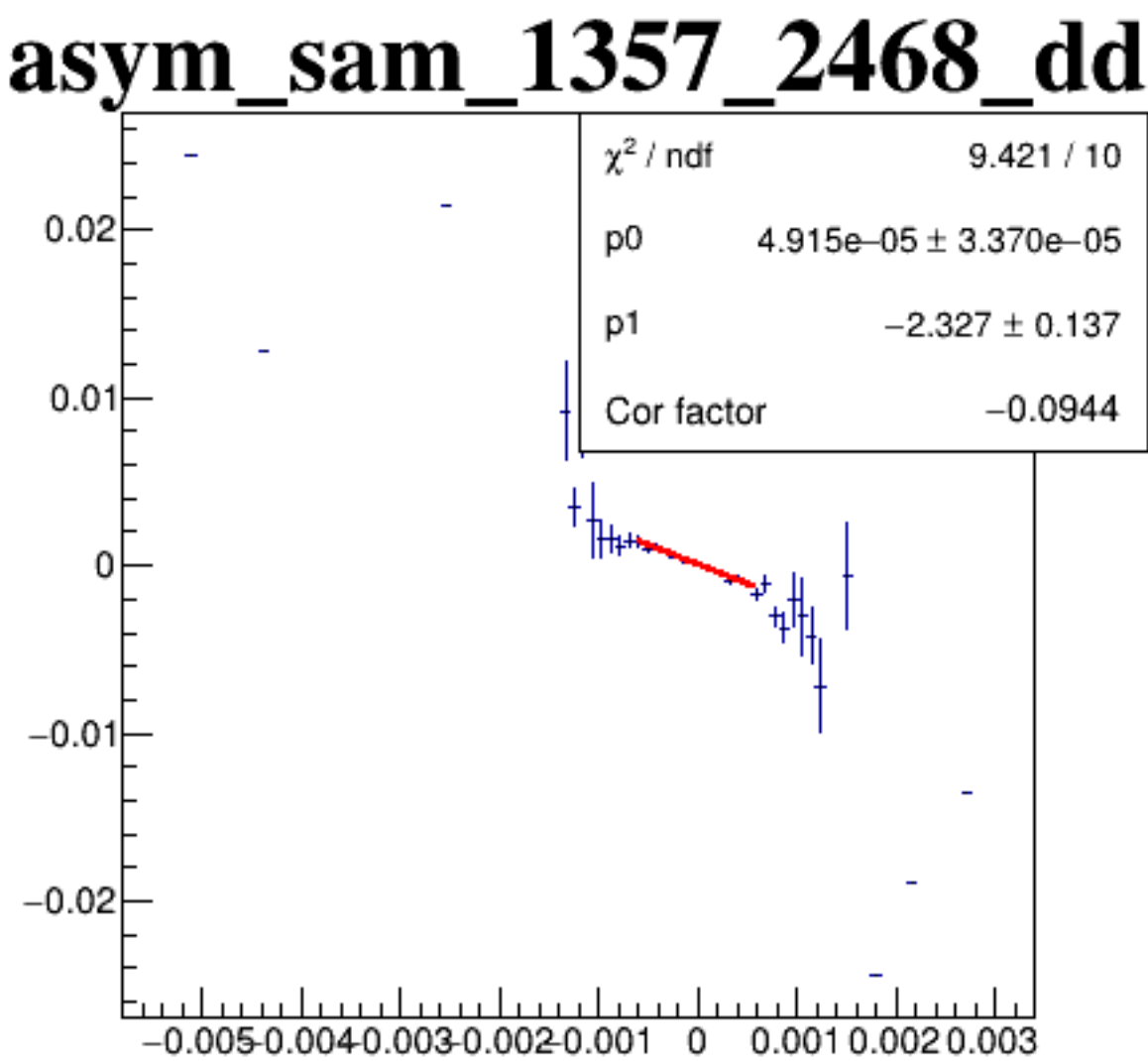
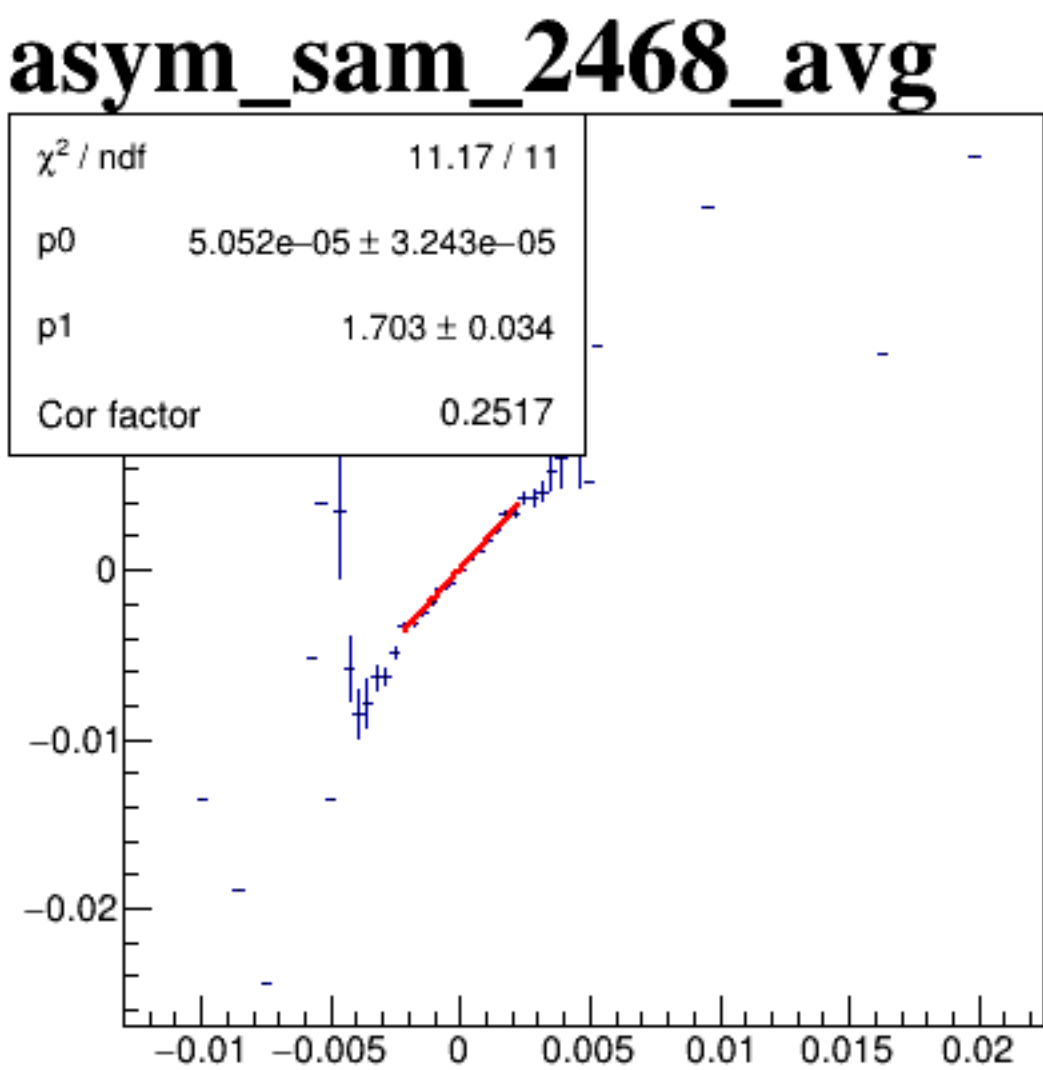
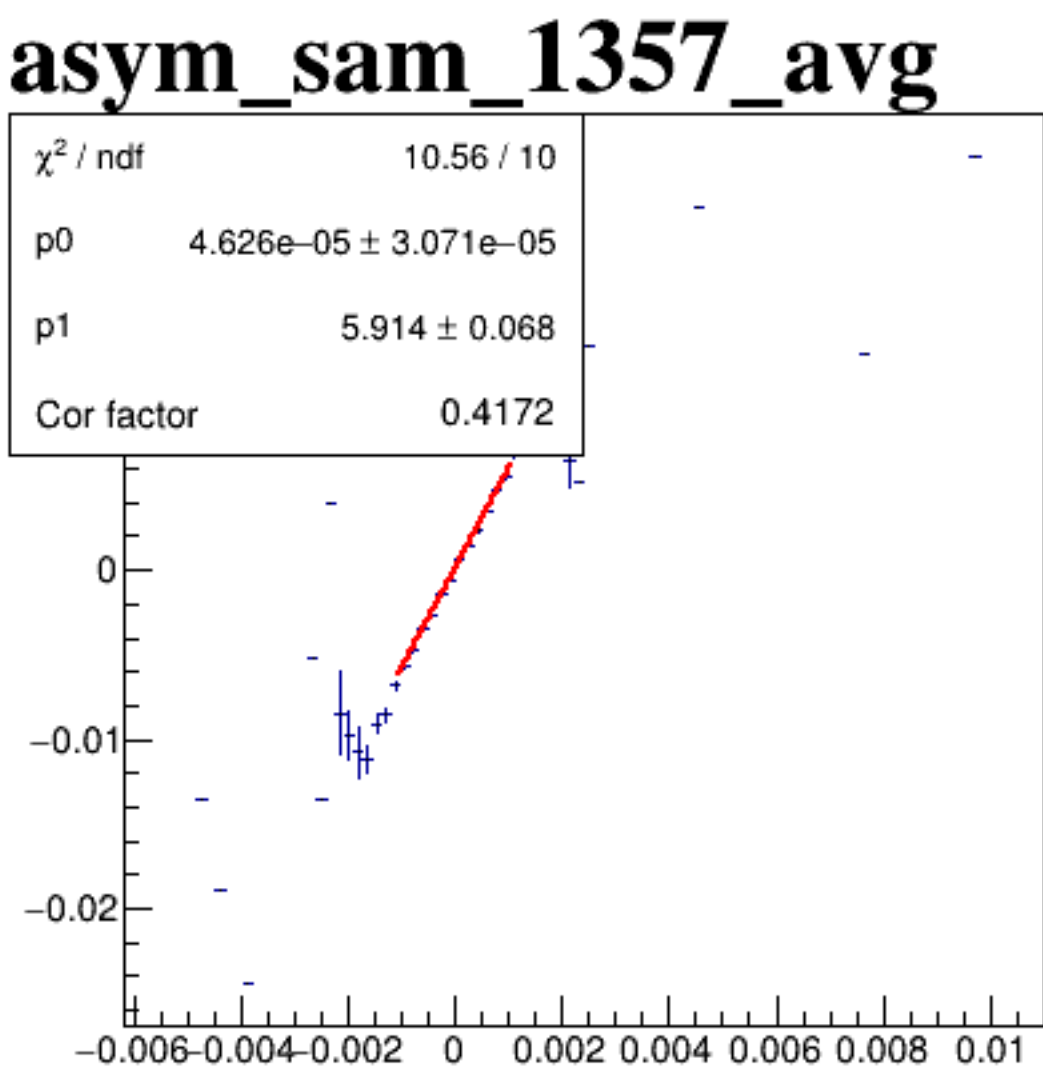
diff_bpm4aY



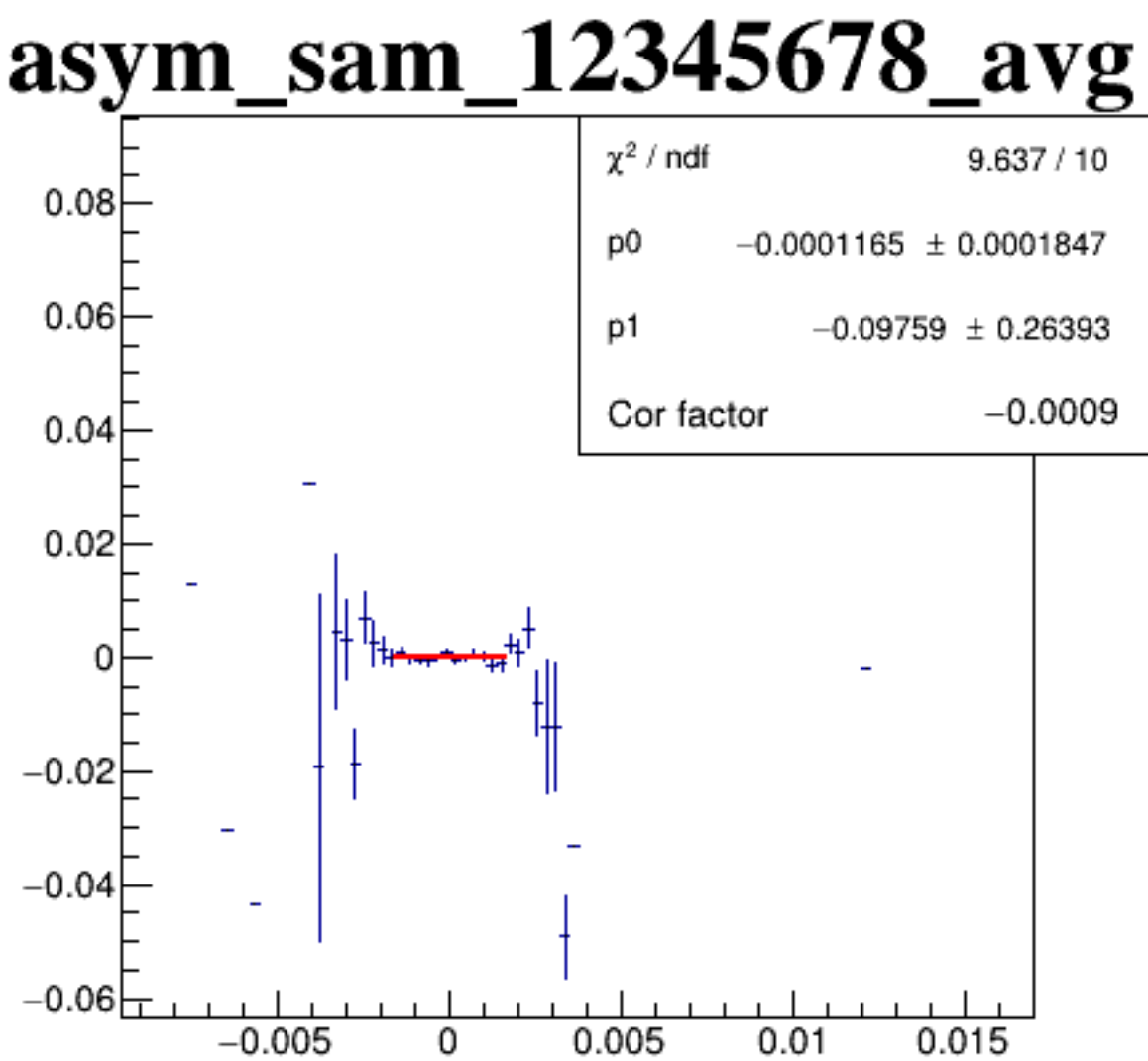
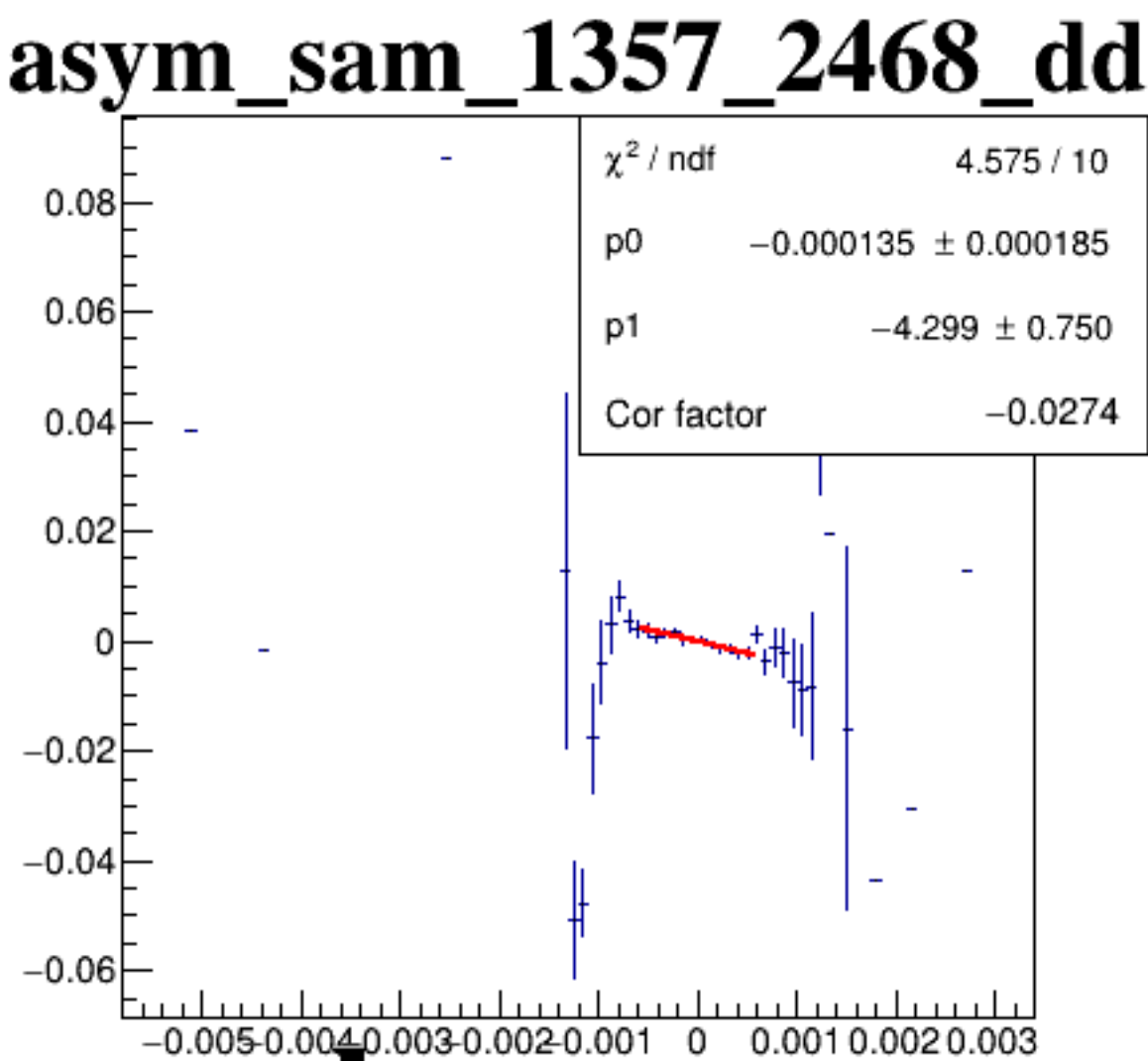
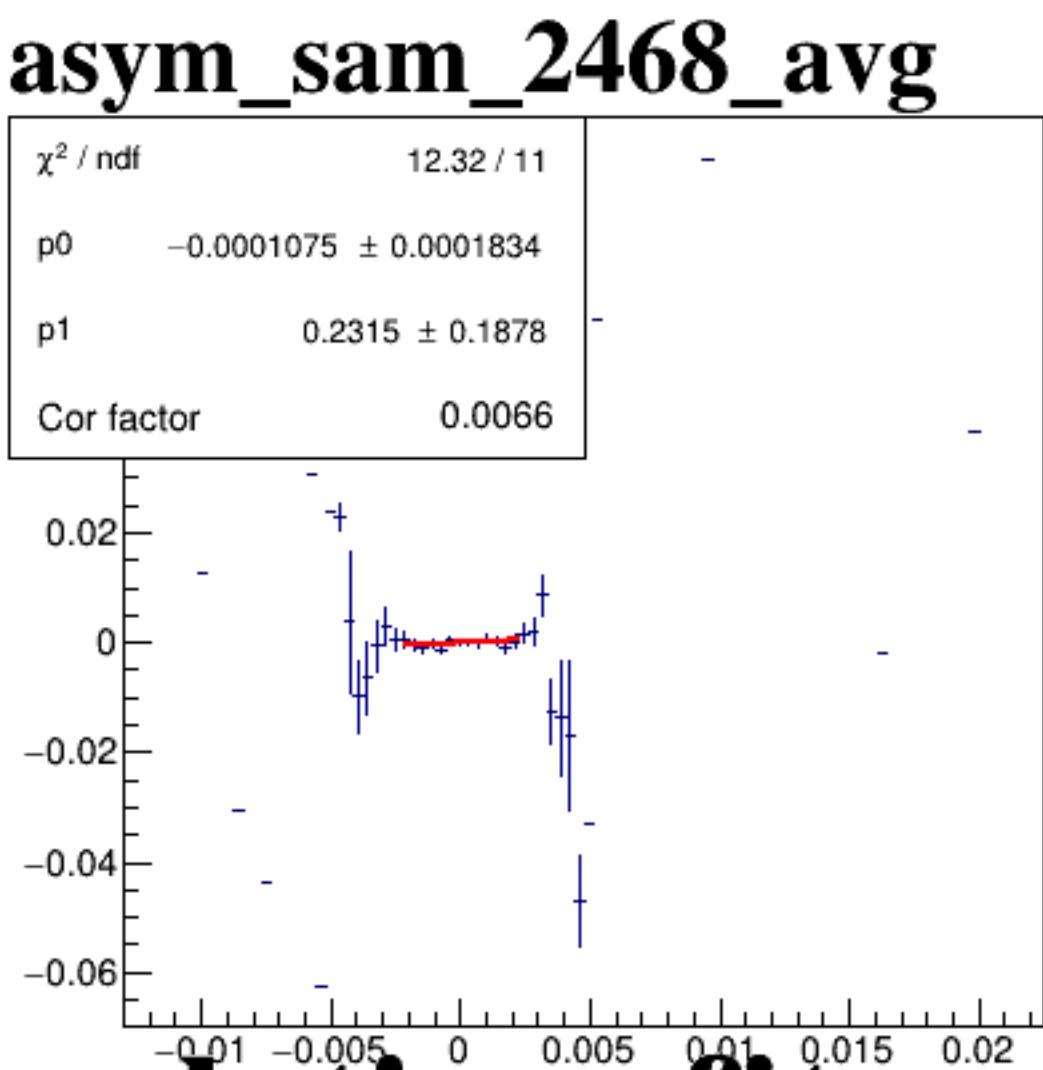
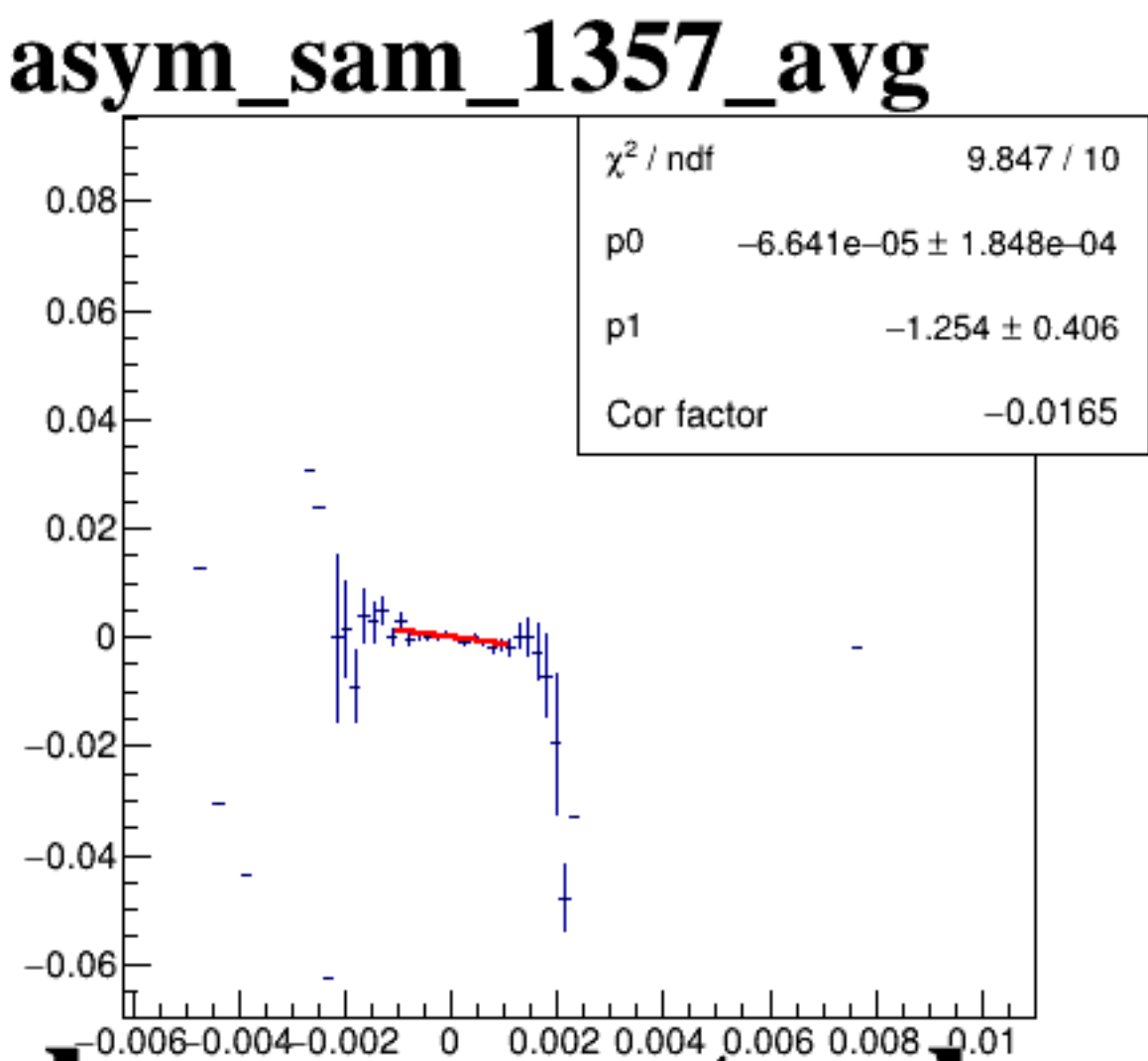
diff_bpm4eX



diff_bpm4eY



diff_bpm12X



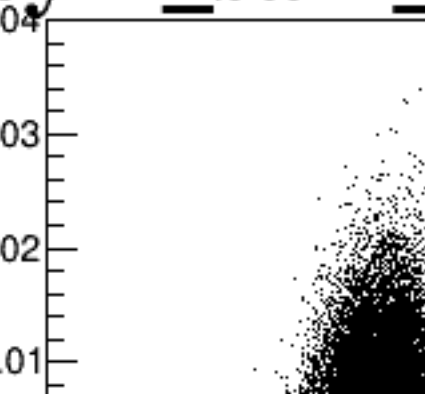
A scatter plot showing the relationship between `mulc.asym_sam_2468_avg` (x-axis) and `asym_sam_2468_avg` (y-axis). The x-axis ranges from -0.01 to 0.02, and the y-axis ranges from -0.2 to 0.1. The data points form a dense, elongated cluster along a diagonal line, indicating a strong positive correlation between the two variables.



A scatter plot showing the relationship between the variable `asym_sam_1357_2468_dd` (y-axis) and `mulc.asym_sam_1357_2468_dd` (x-axis). The x-axis ranges from -0.005 to 0.003, and the y-axis ranges from -0.2 to 0.1. The data points are tightly clustered along a diagonal line, indicating a strong positive correlation between the two variables.

A scatter plot showing the relationship between `mulc.asym_sam_12345678_avg` (x-axis) and `asym_sam_12345678_avg` (y-axis). The x-axis ranges from -0.005 to 0.015, and the y-axis ranges from -0.2 to 0.1. The data points form a dense, elongated cluster centered around (0, 0), indicating a strong positive correlation.

A scatter plot showing the relationship between `asym_sam_2468_avg` (y-axis) and `mulc.asym_sam_2468_avg` (x-axis). The y-axis ranges from -0.04 to 0.04, and the x-axis ranges from -0.01 to 0.02. The data points form a dense, vertically elongated elliptical cloud centered around (0, 0), indicating a positive correlation.



A scatter plot showing the relationship between the variable `mulc.asym_sam_12345678_avg` on the x-axis and `asym_sam_12345678_avg` on the y-axis. The x-axis ranges from -0.005 to 0.015, and the y-axis ranges from -0.04 to 0.04. The data points form a dense, vertically elongated elliptical cloud centered around (0, 0), indicating a weak positive correlation.

asym_sam_1357_2468_dd

0.15
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2

-0.005 -0.004 -0.003 -0.002 -0.001 0 0.001 0.002 0.003

multic_asym_sam_1357_2468_dd

asym_sam_12345678_avg

mulc.asym_sam_12345678_avg