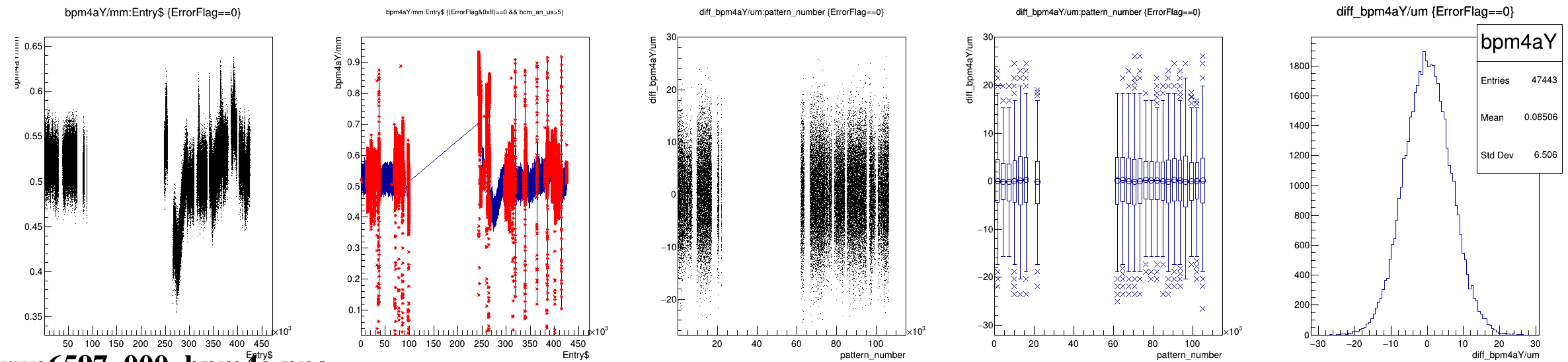
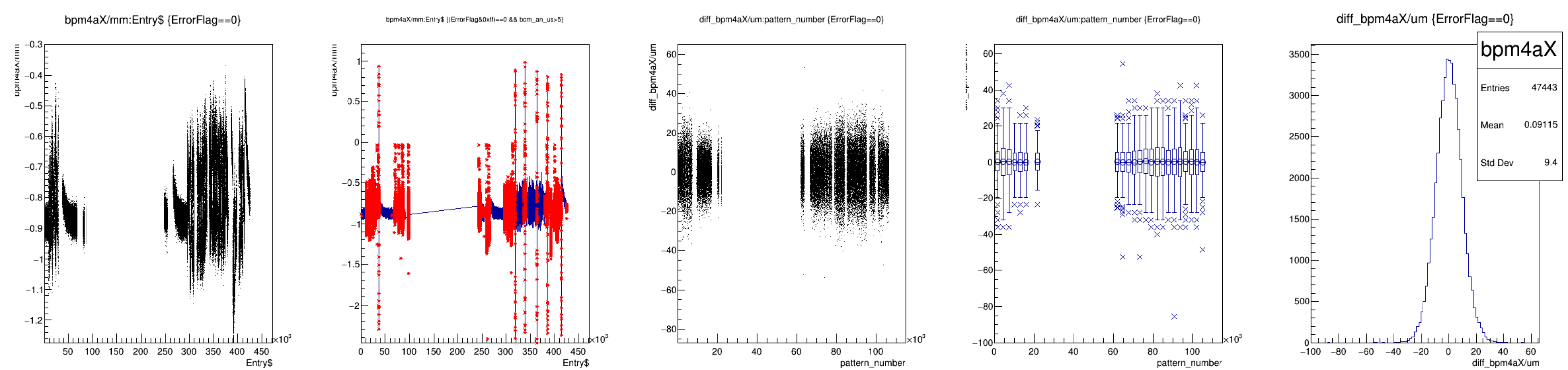
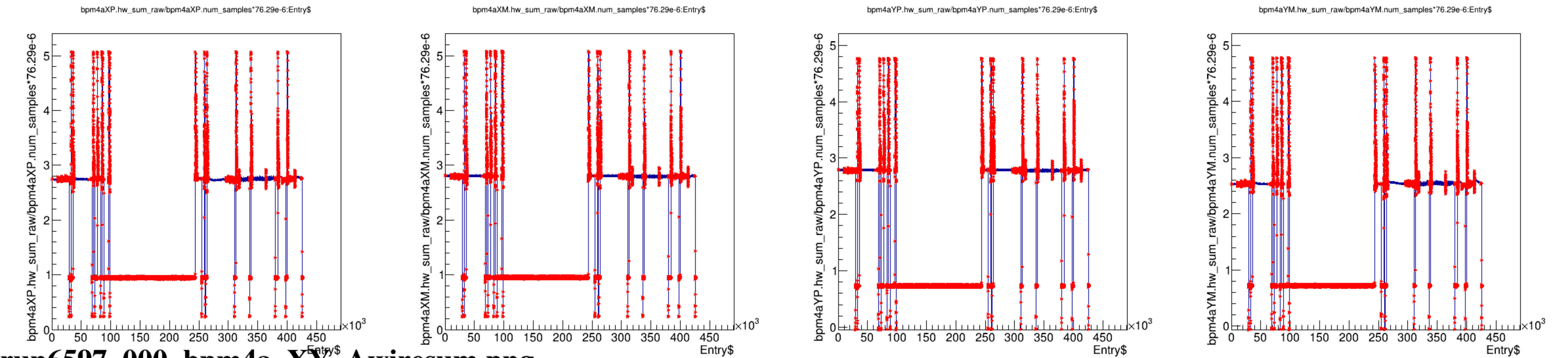
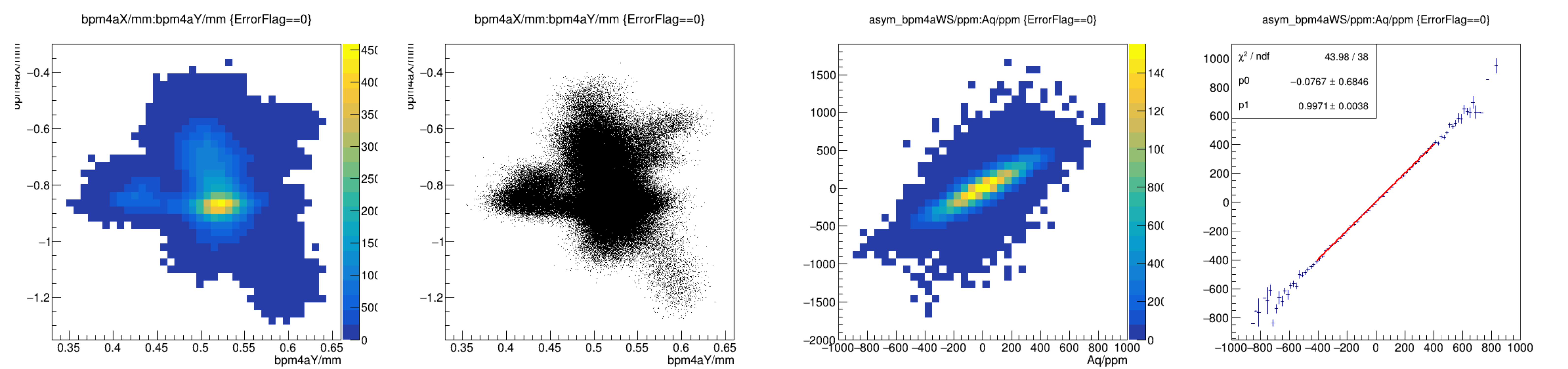
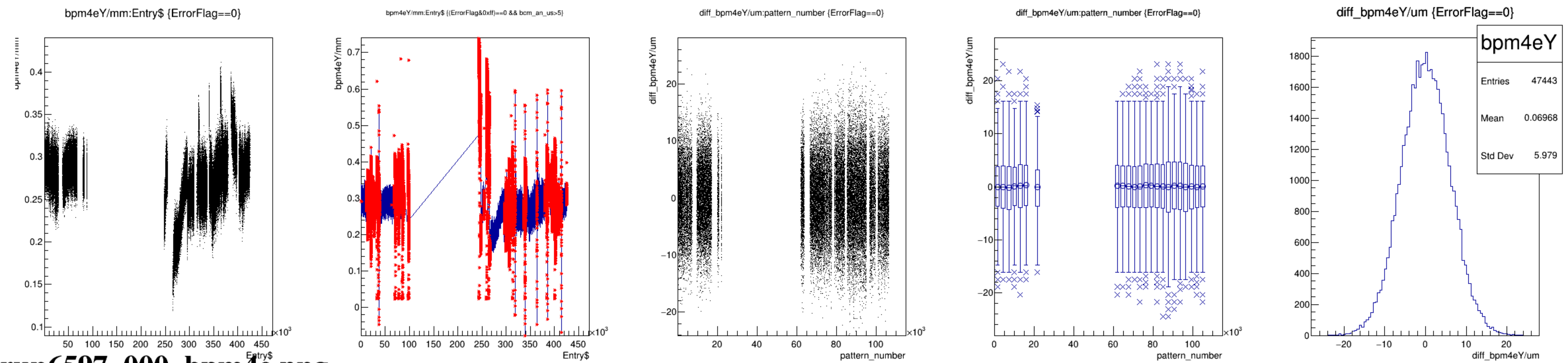
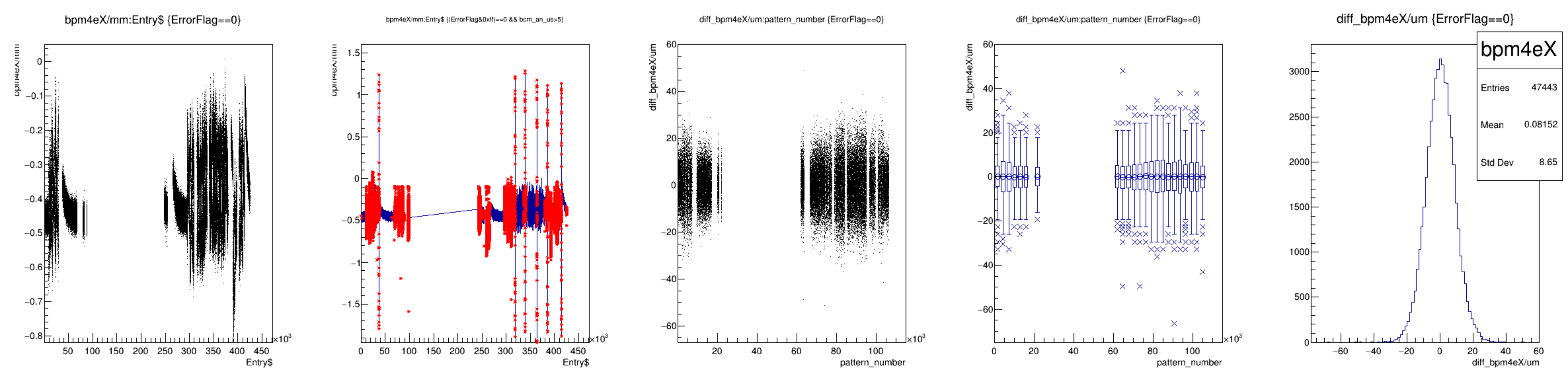
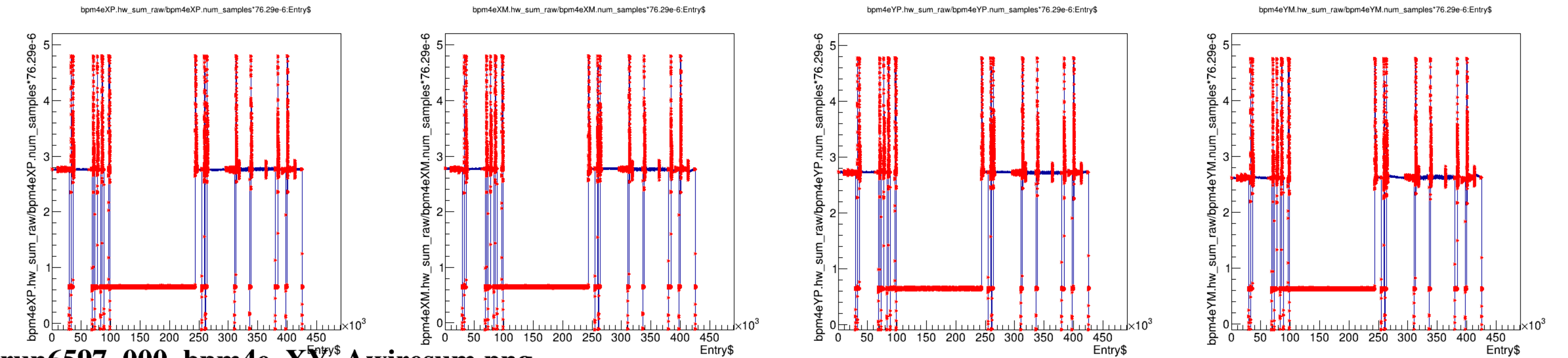
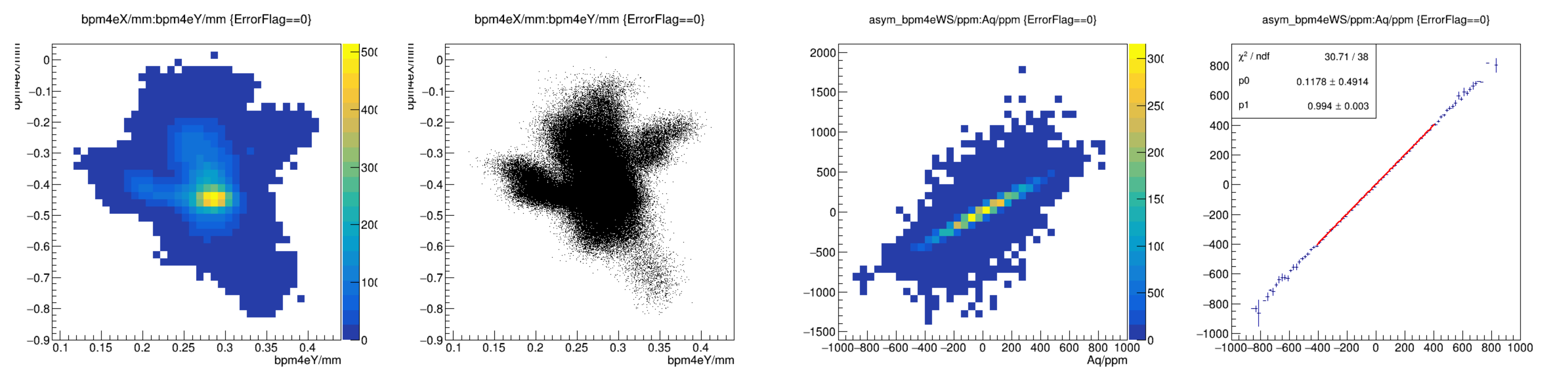


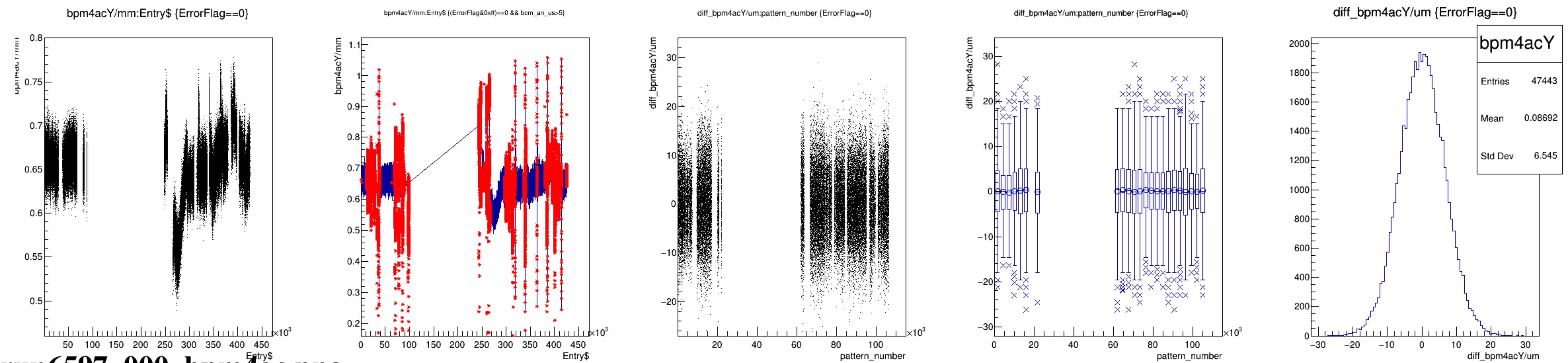
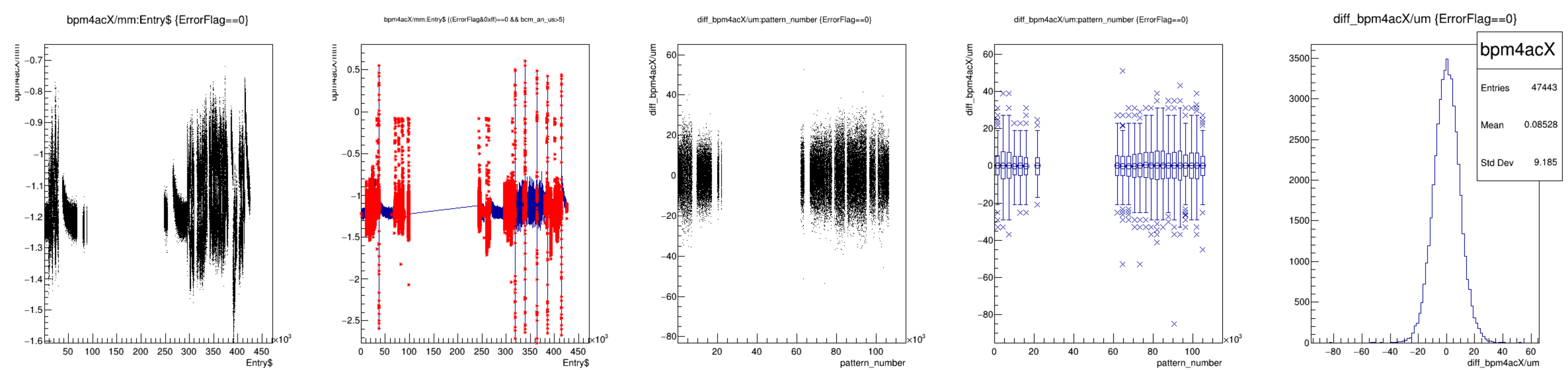


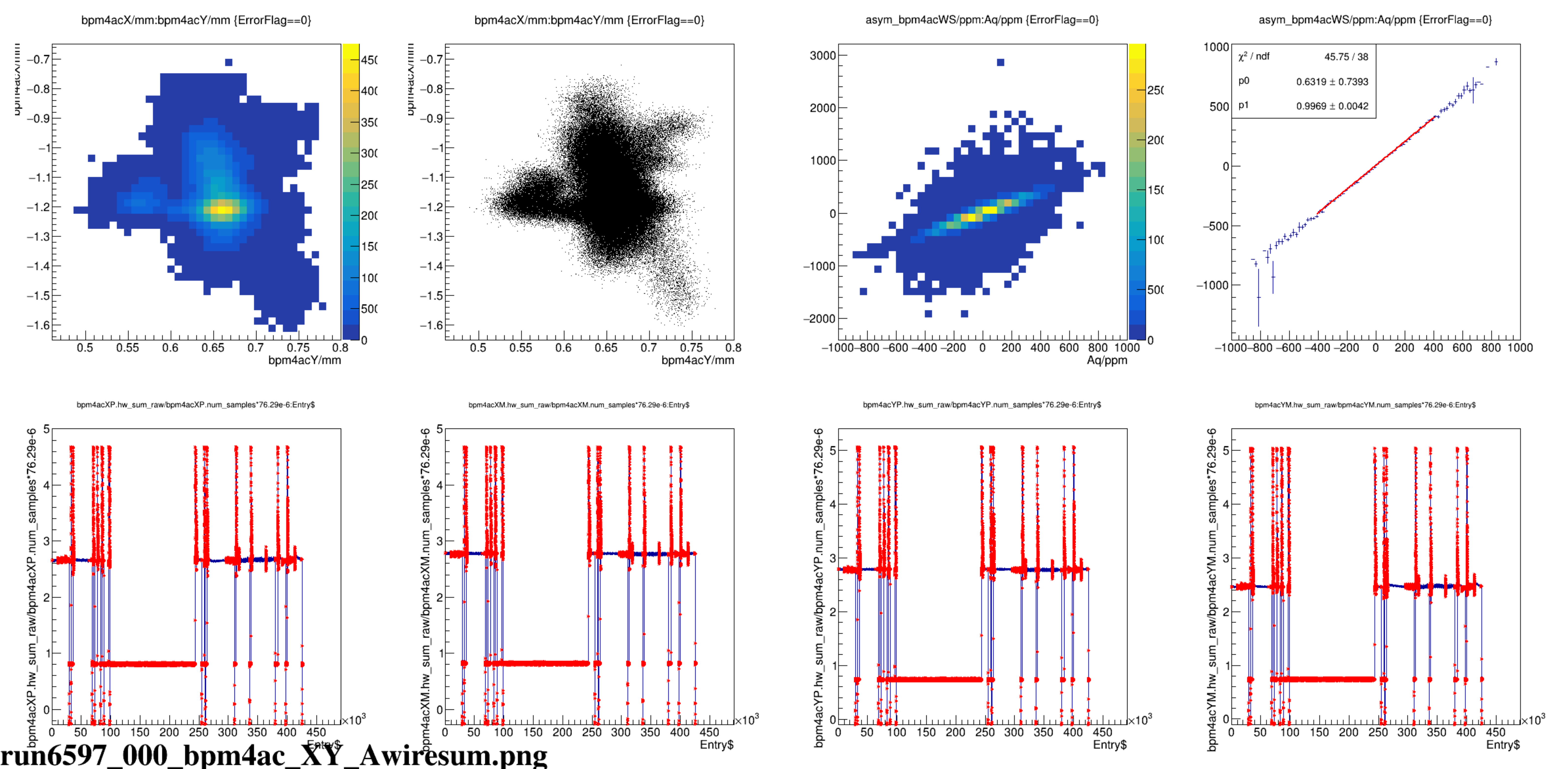


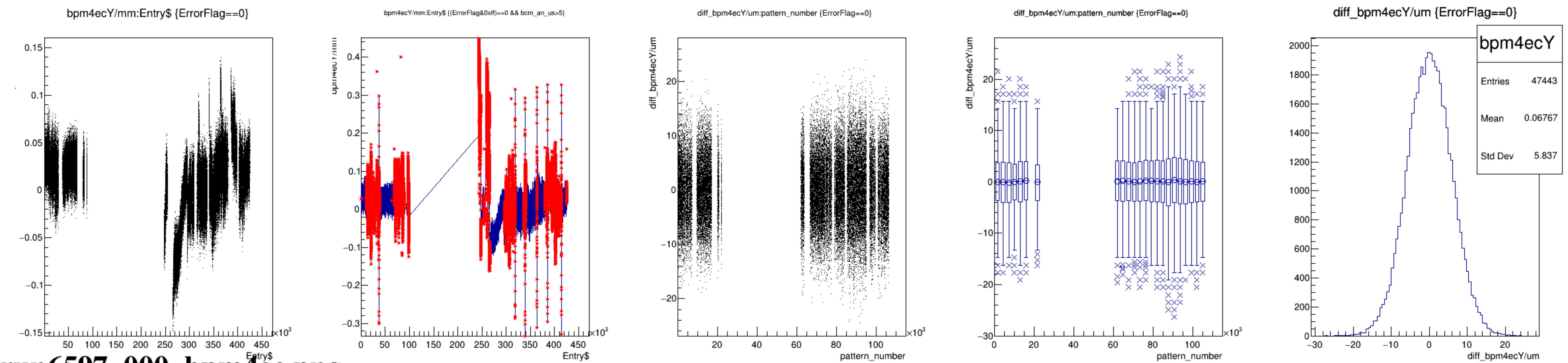
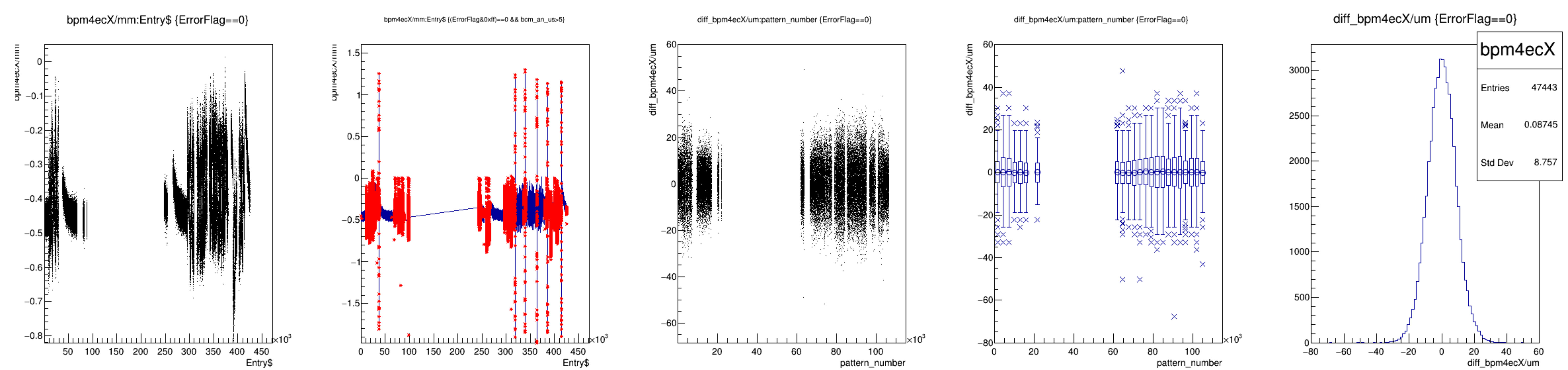


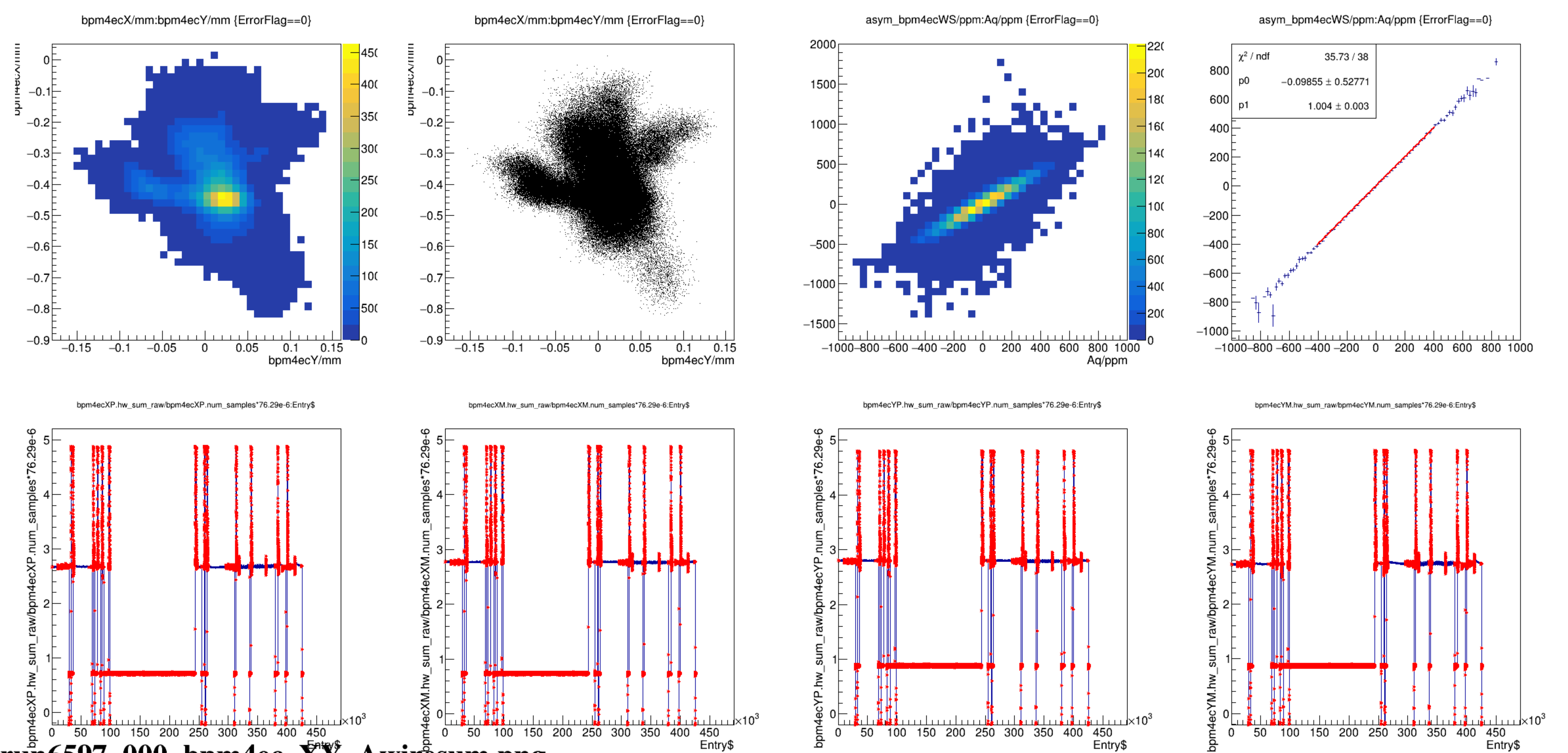


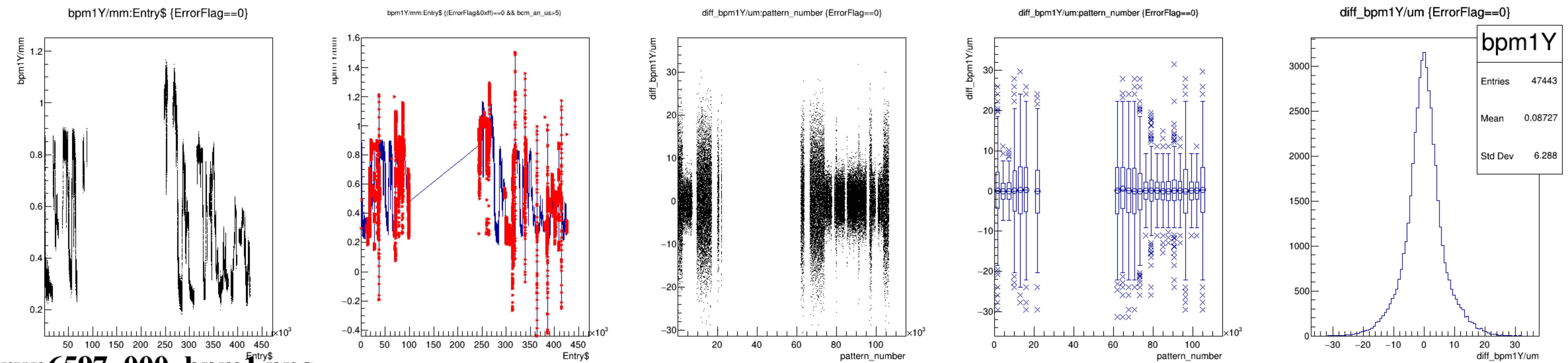
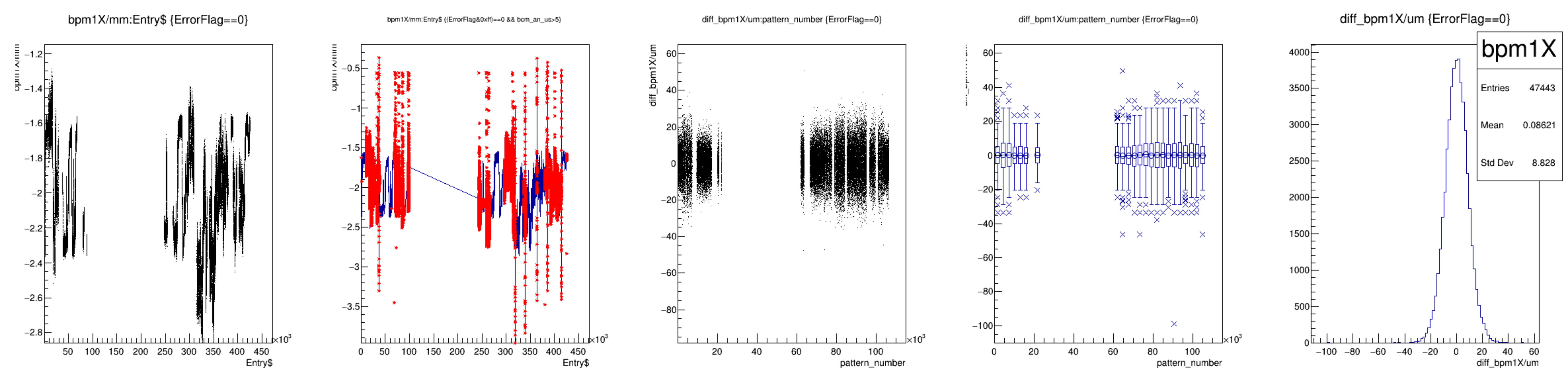
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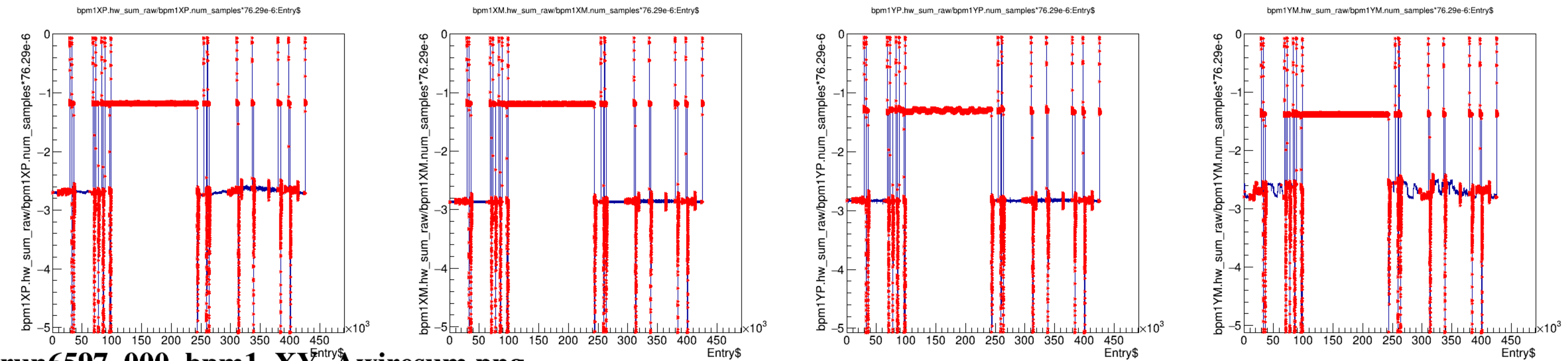
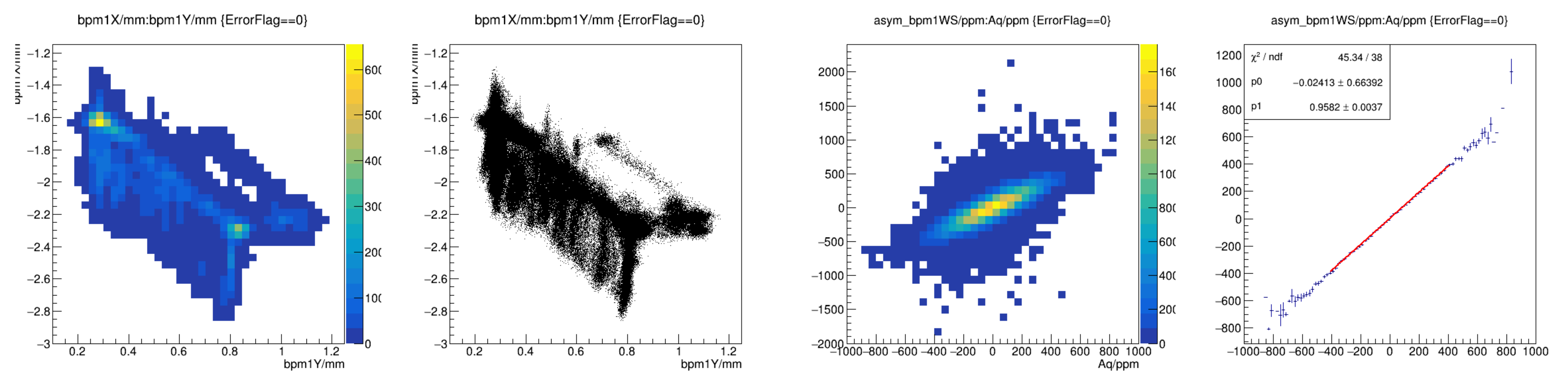


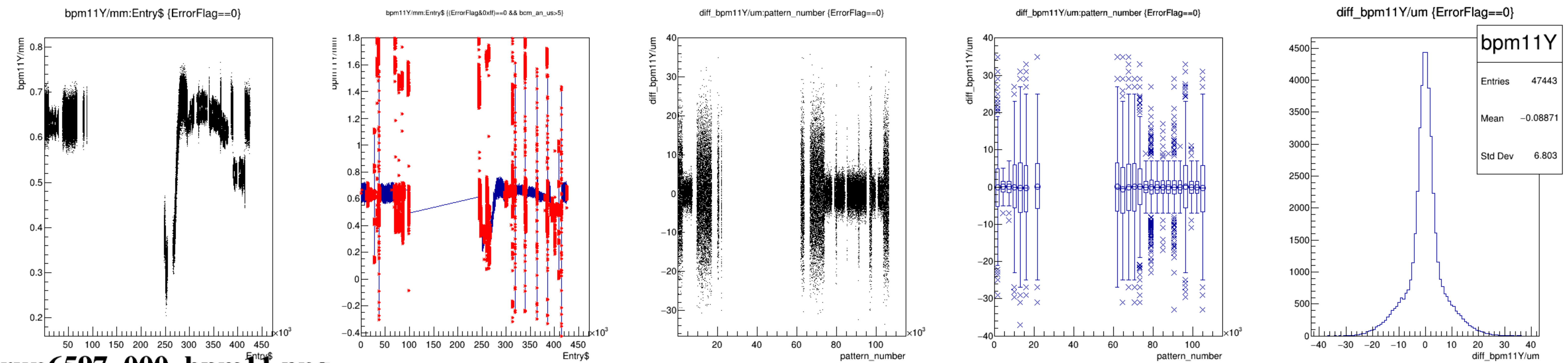
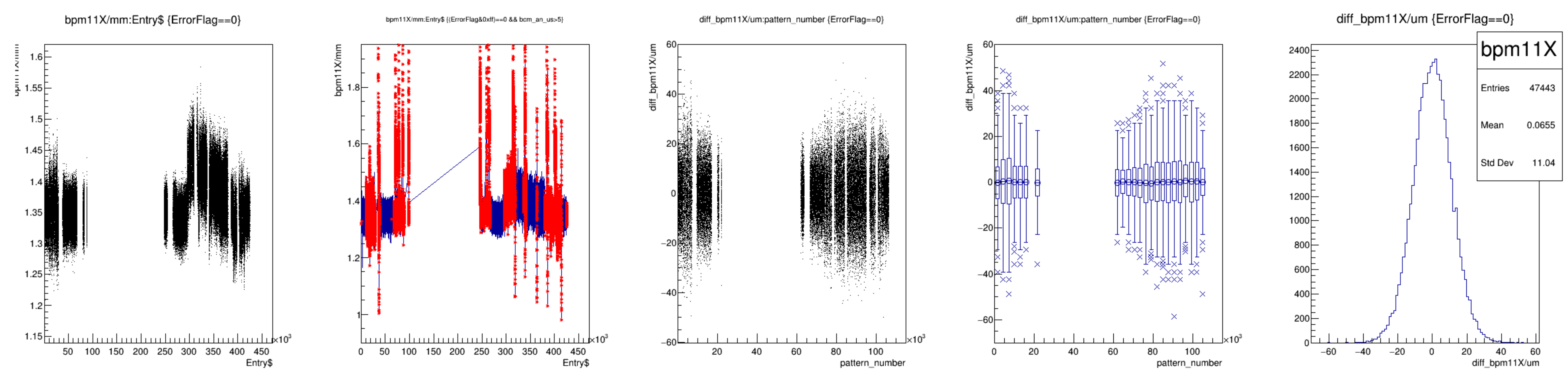


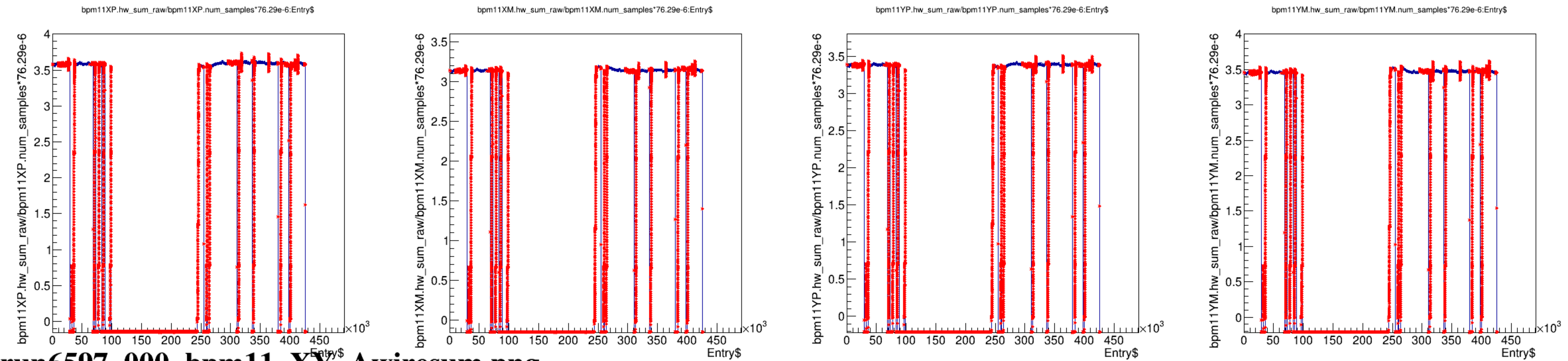
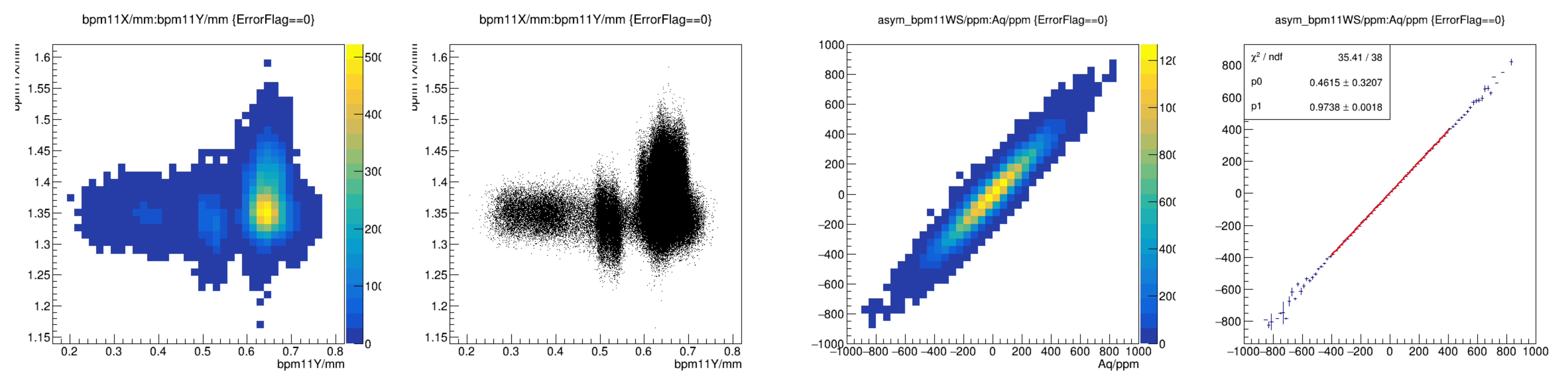


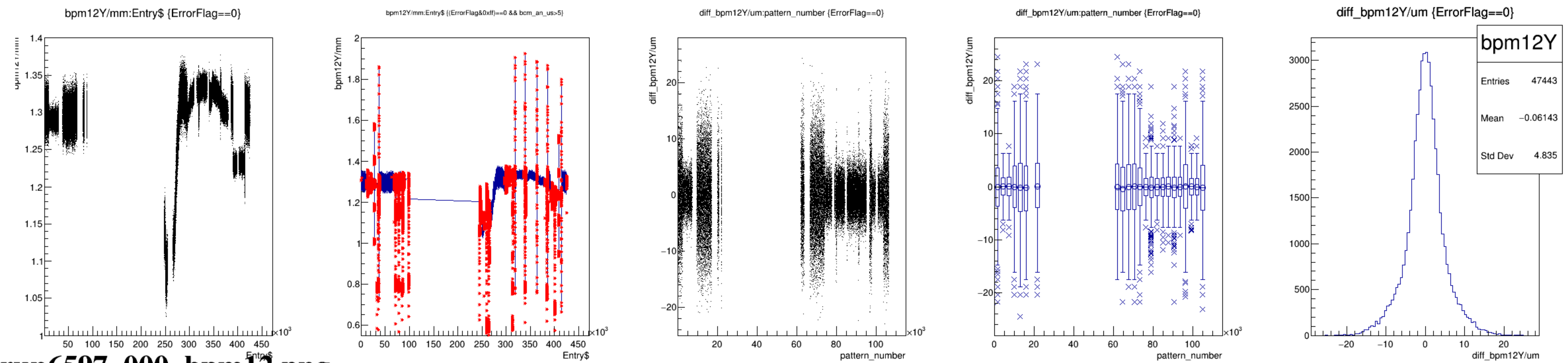
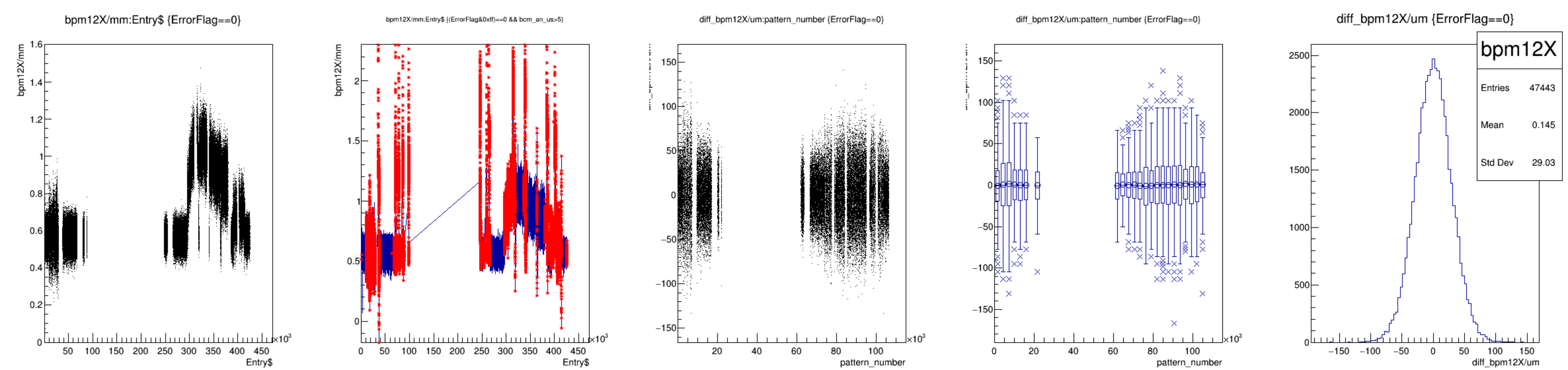


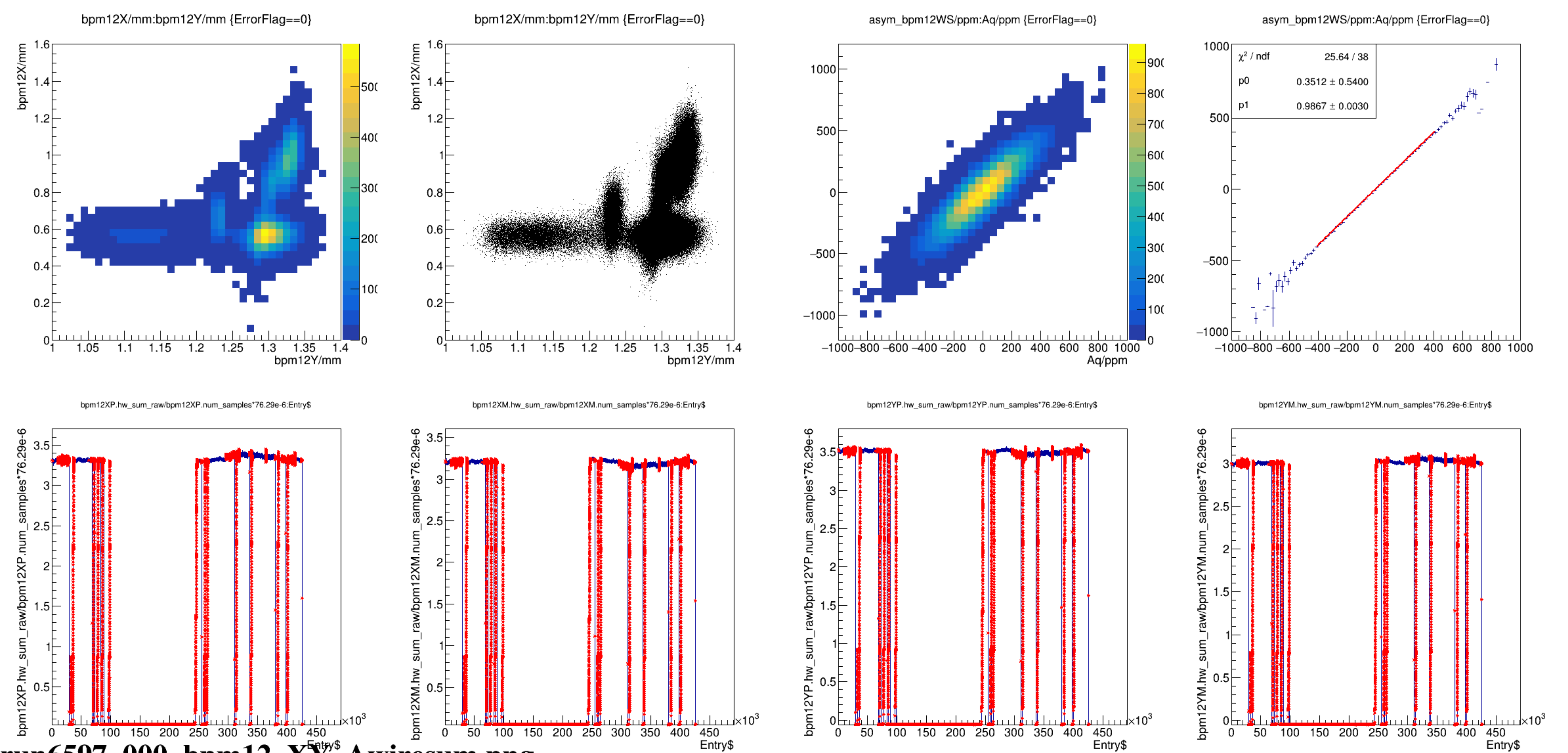




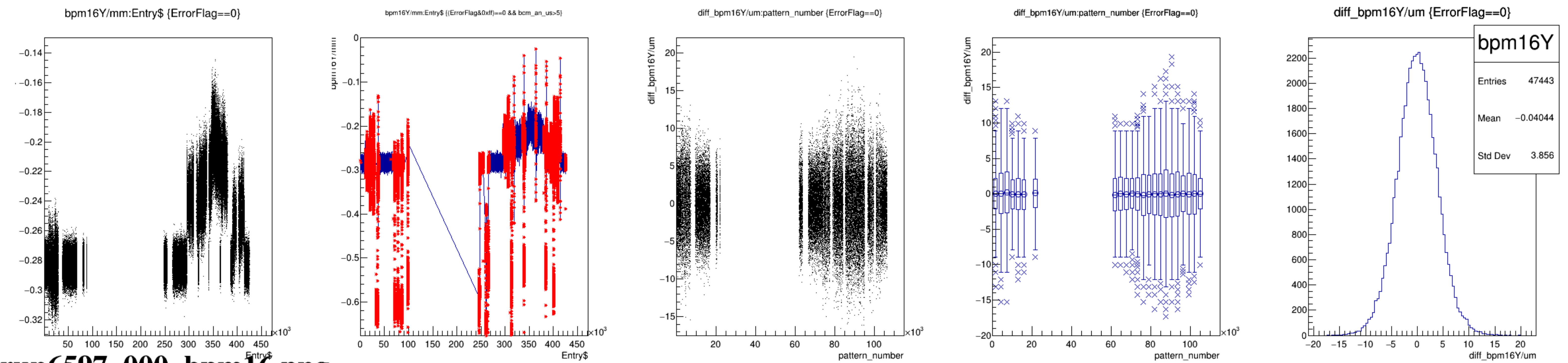
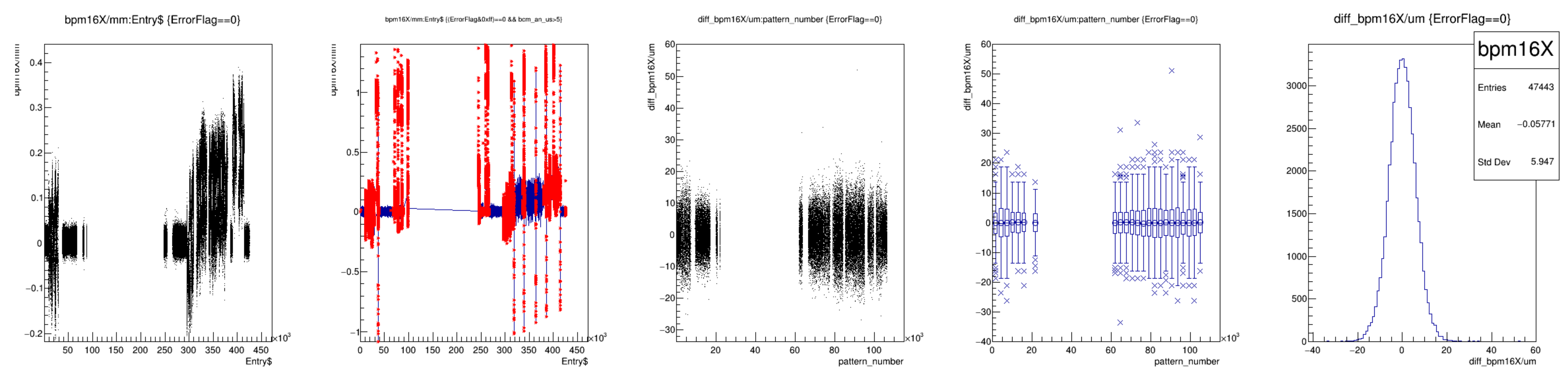


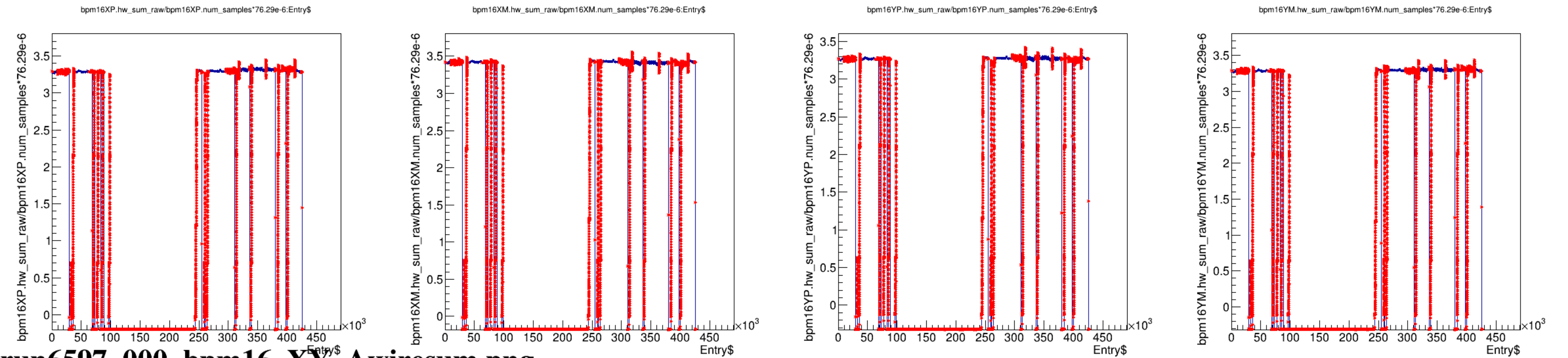
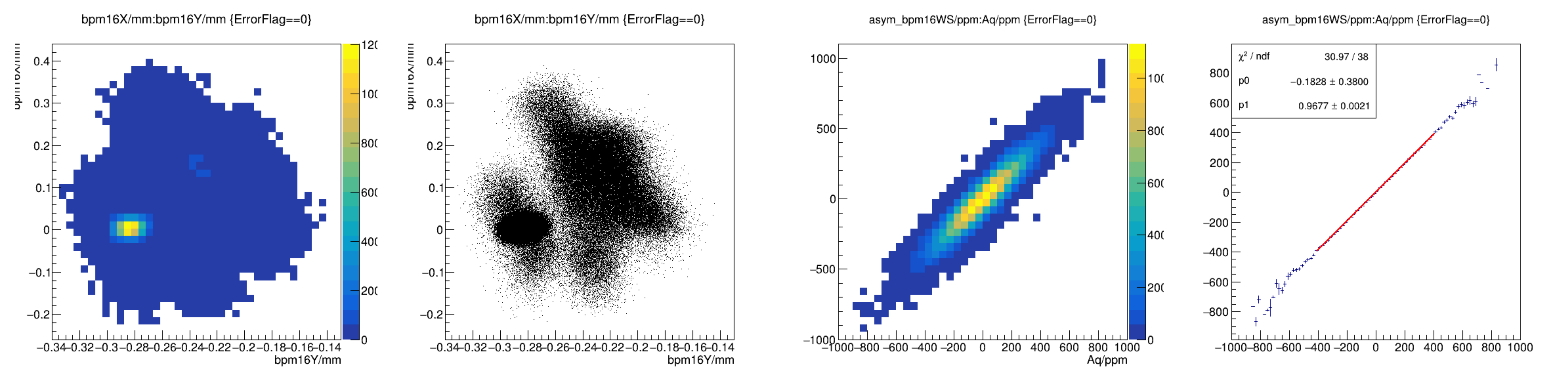


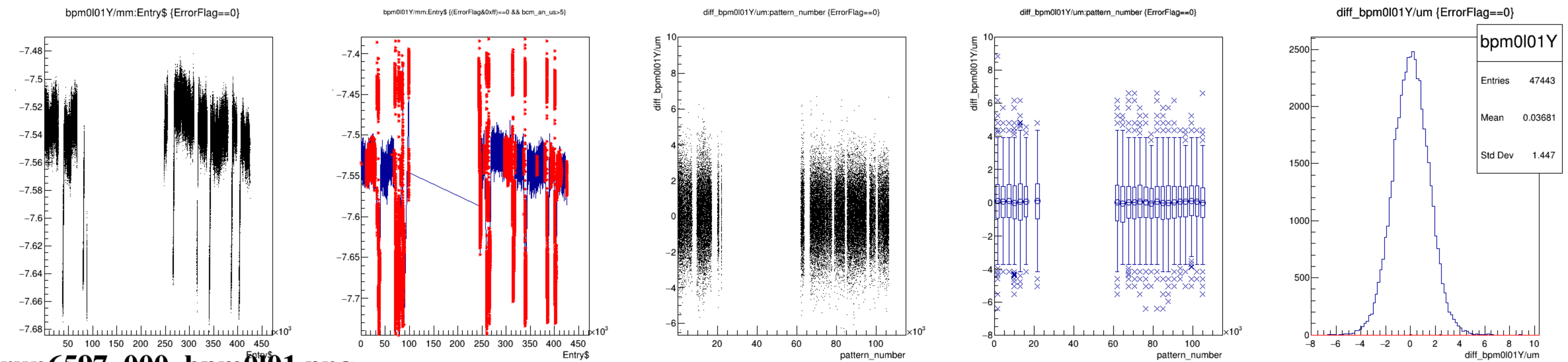
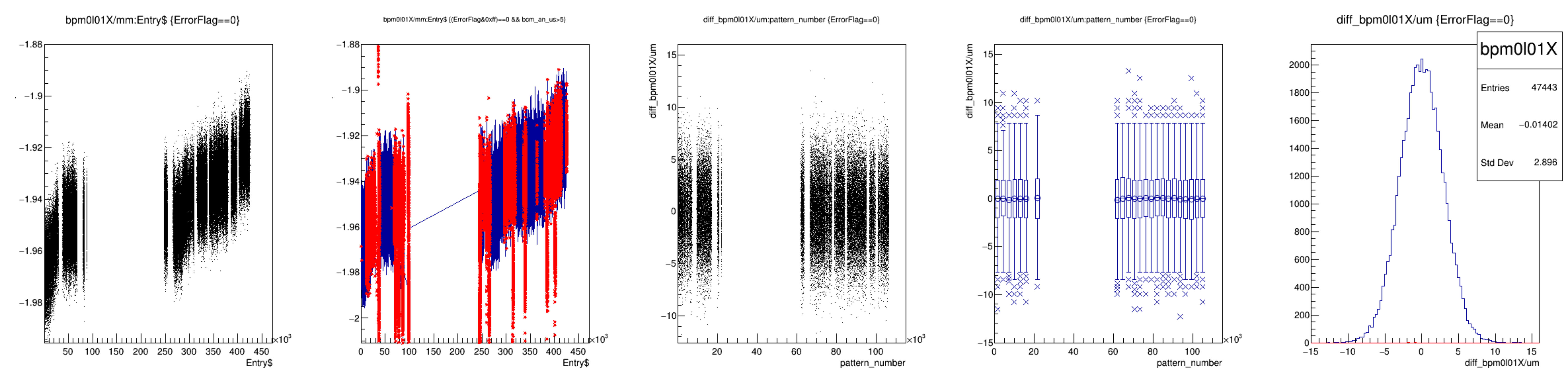


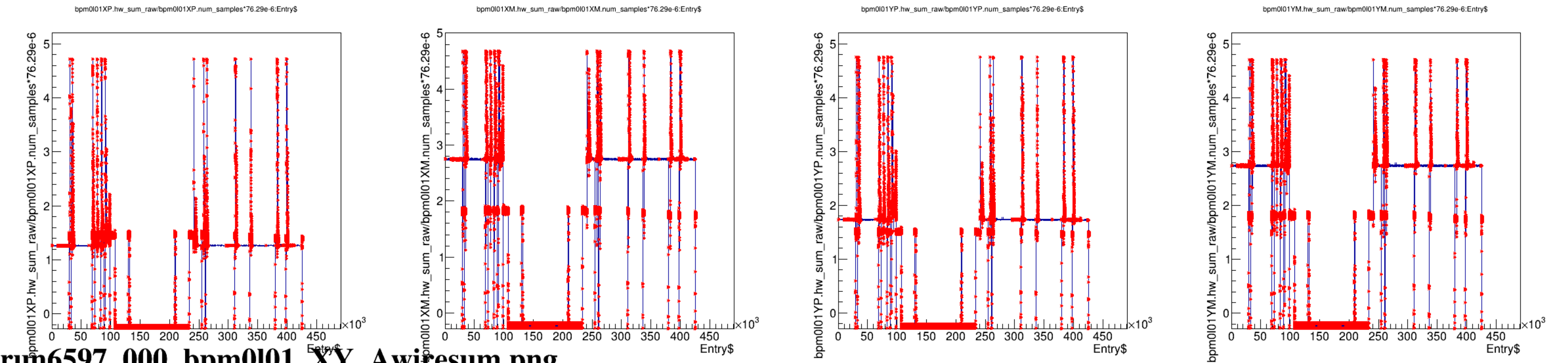
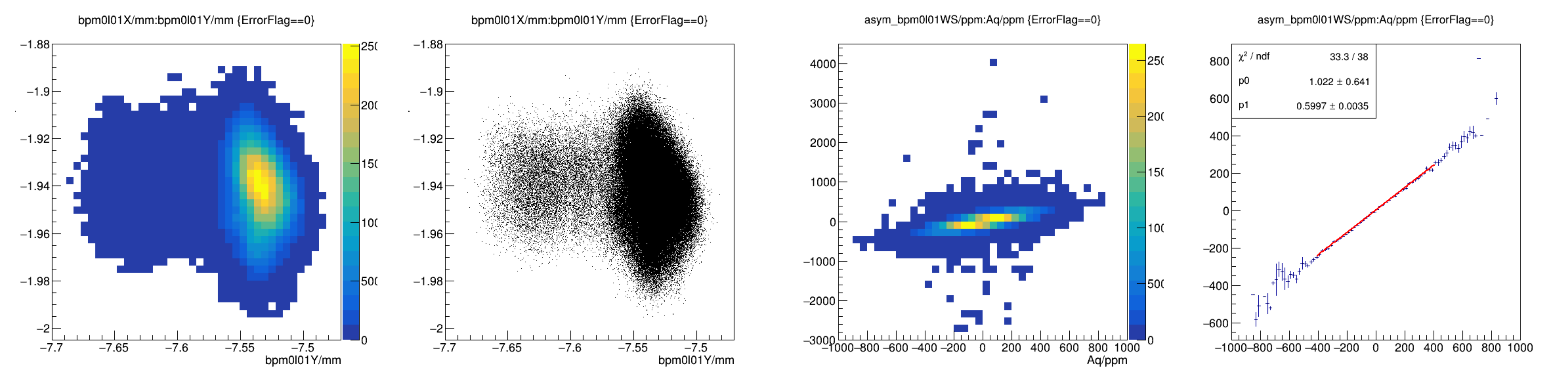


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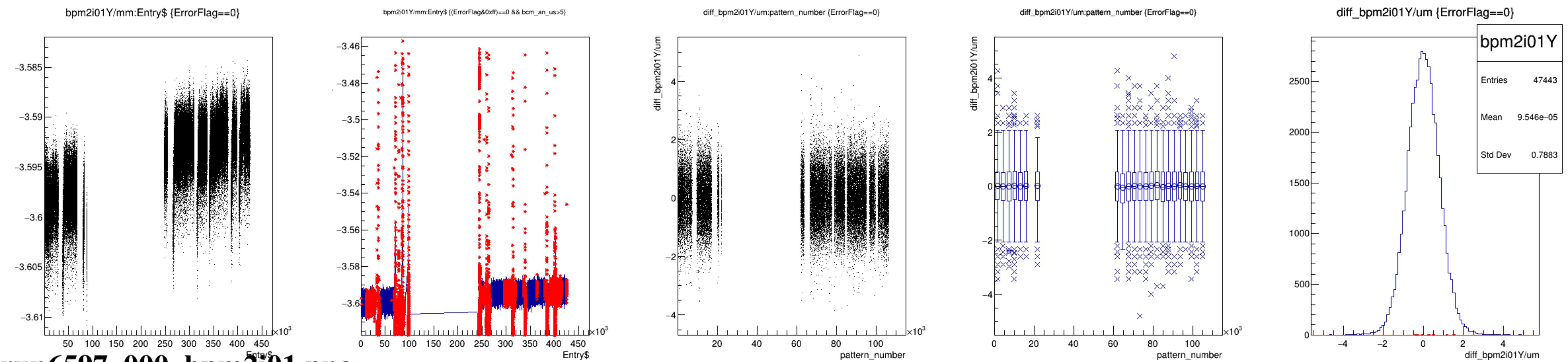
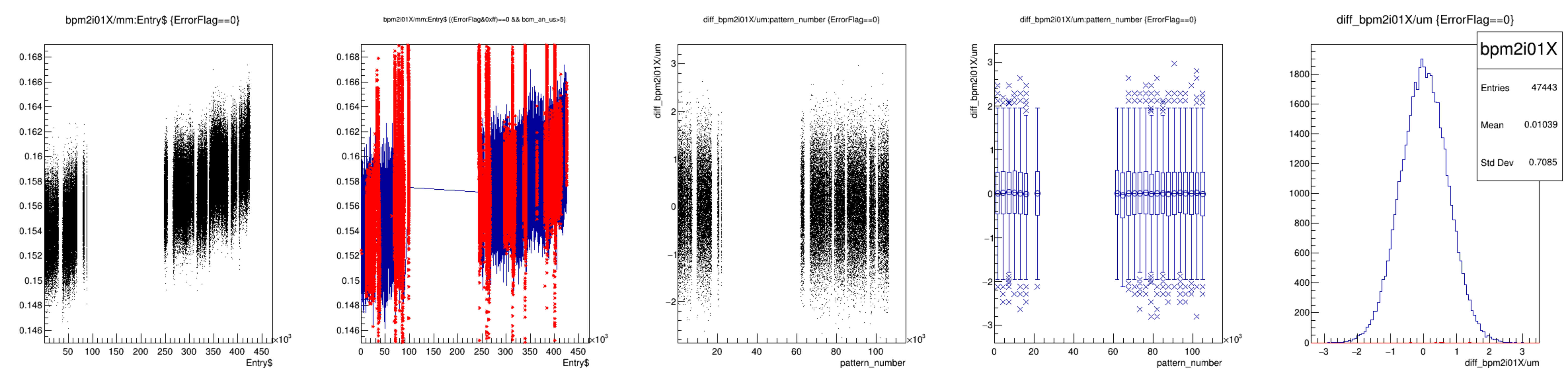




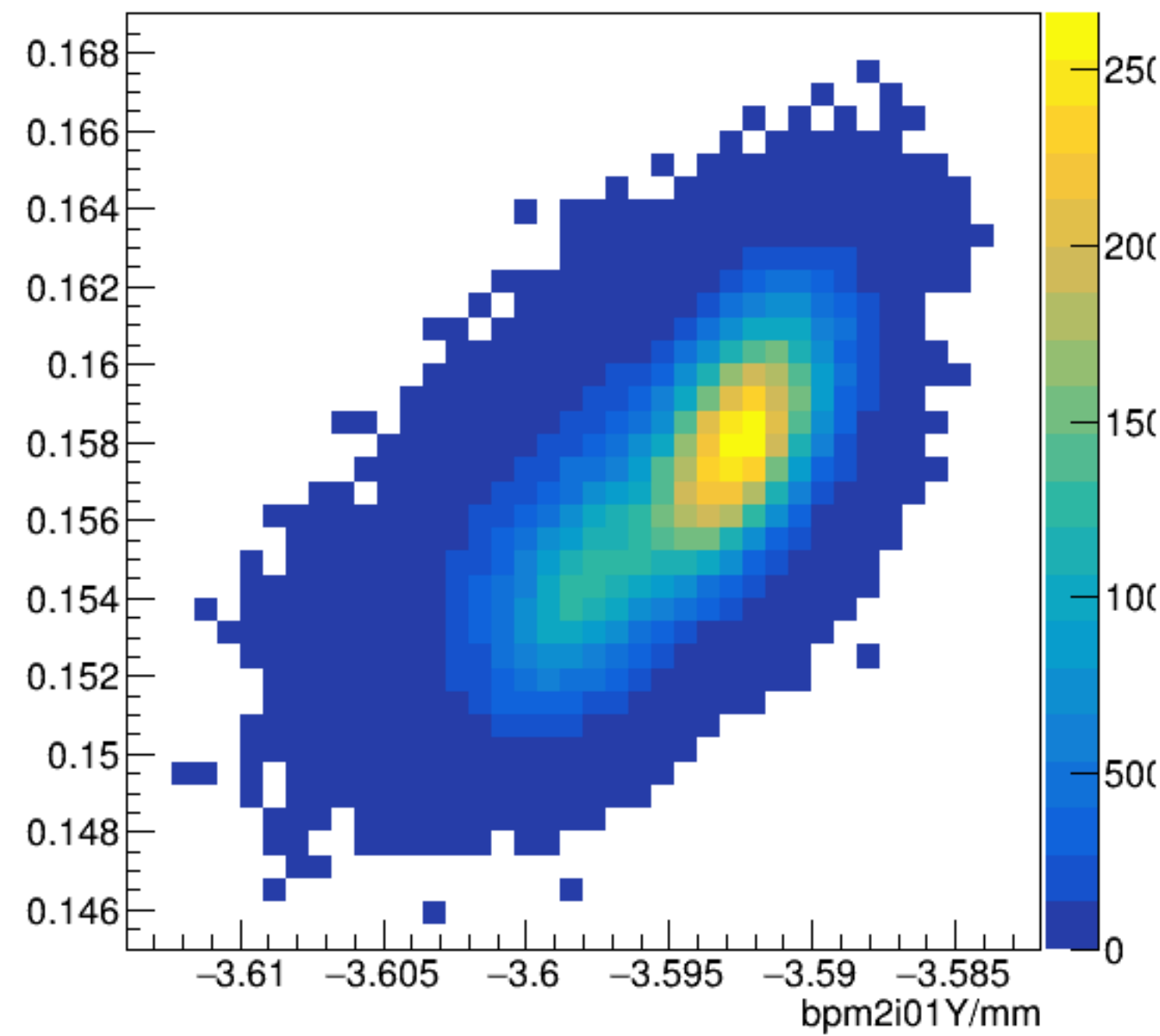




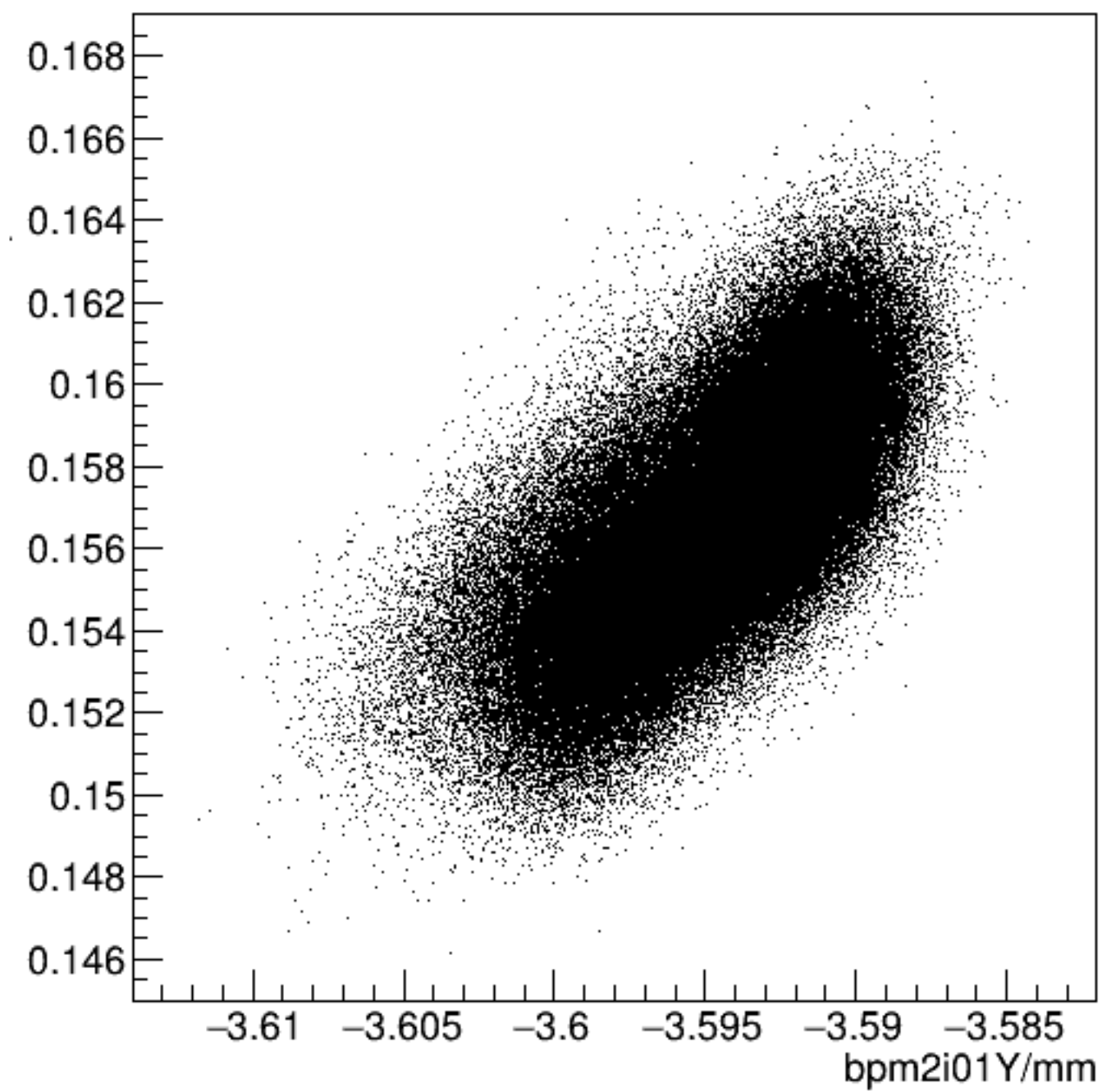
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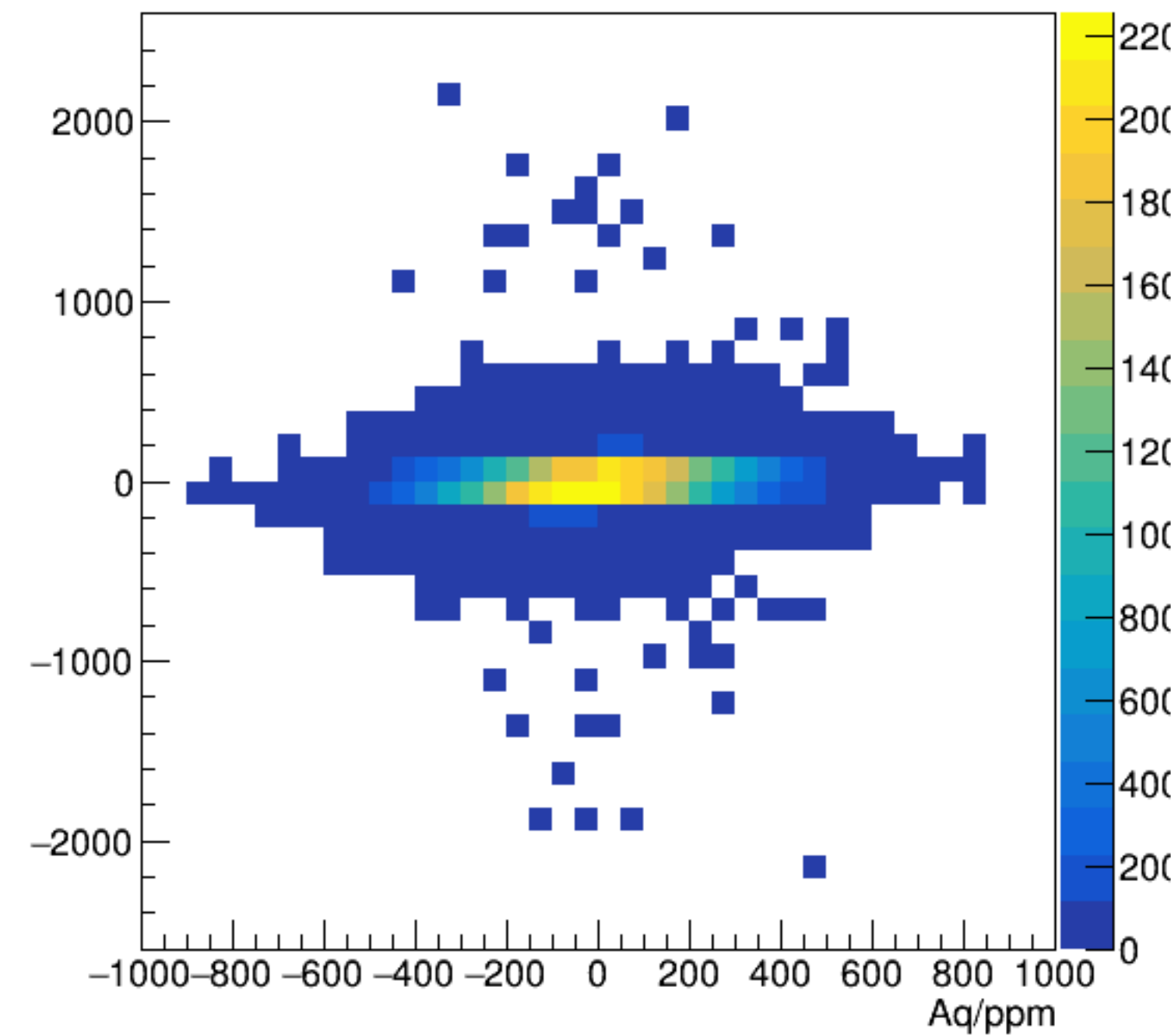
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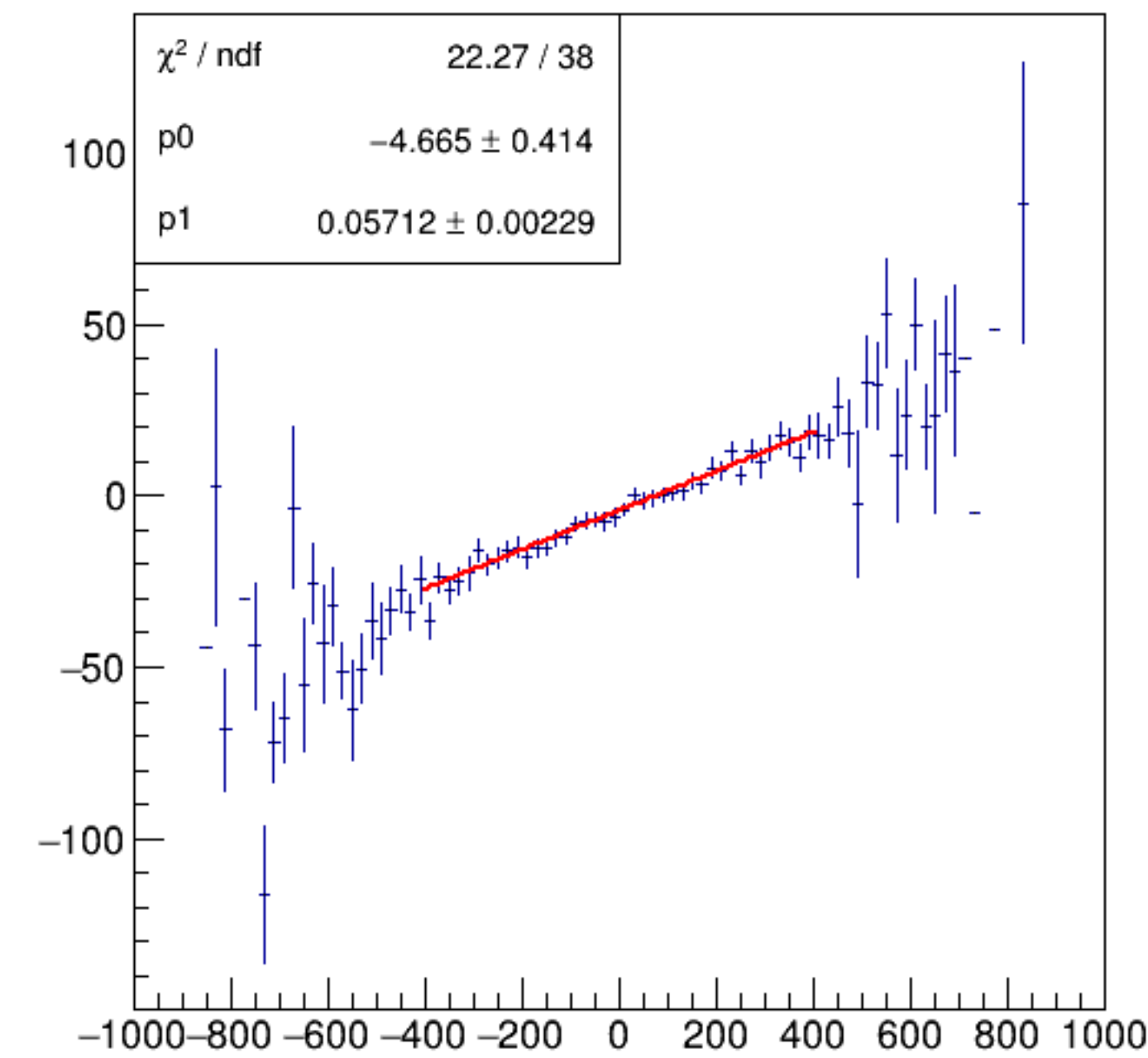
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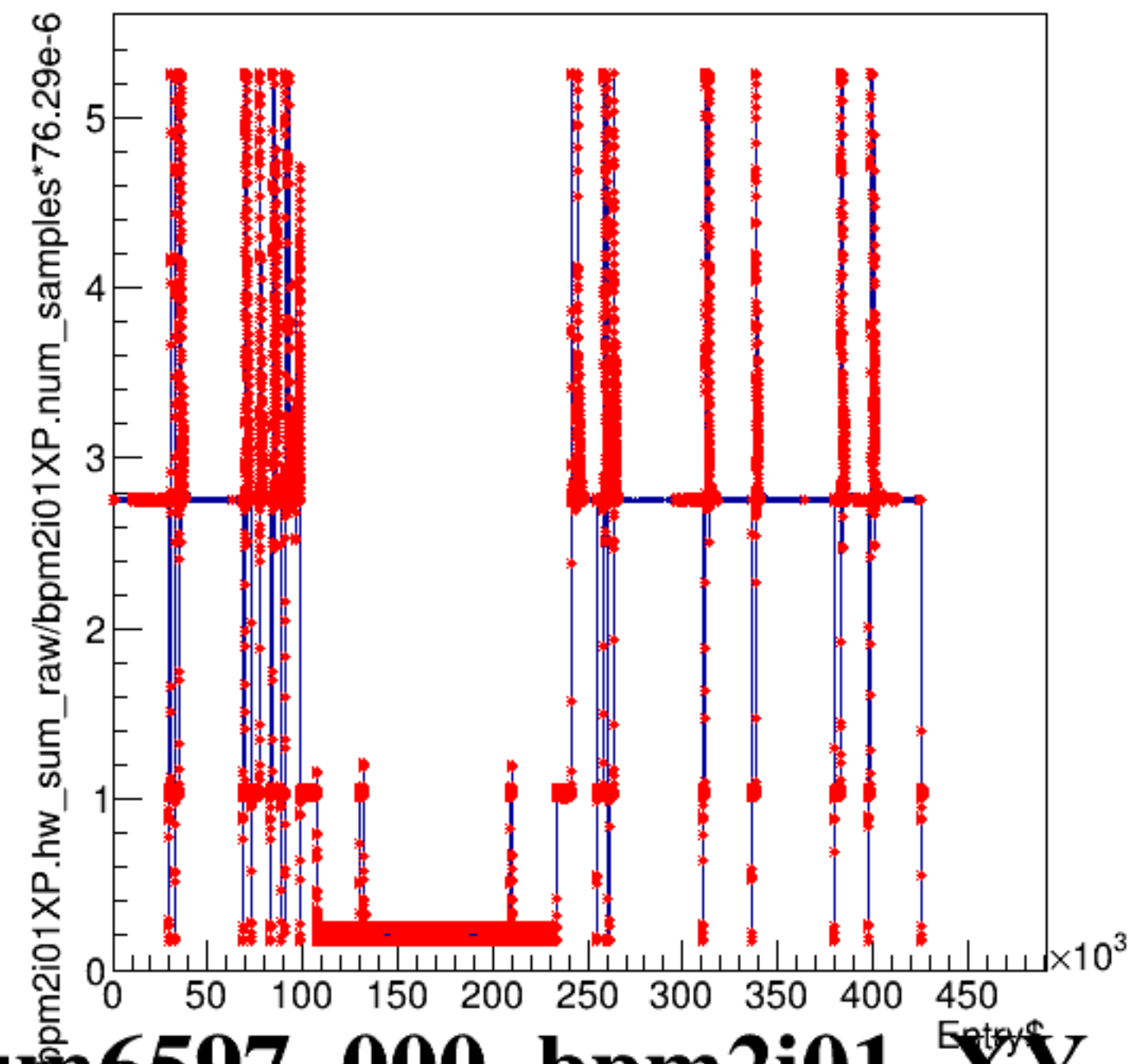
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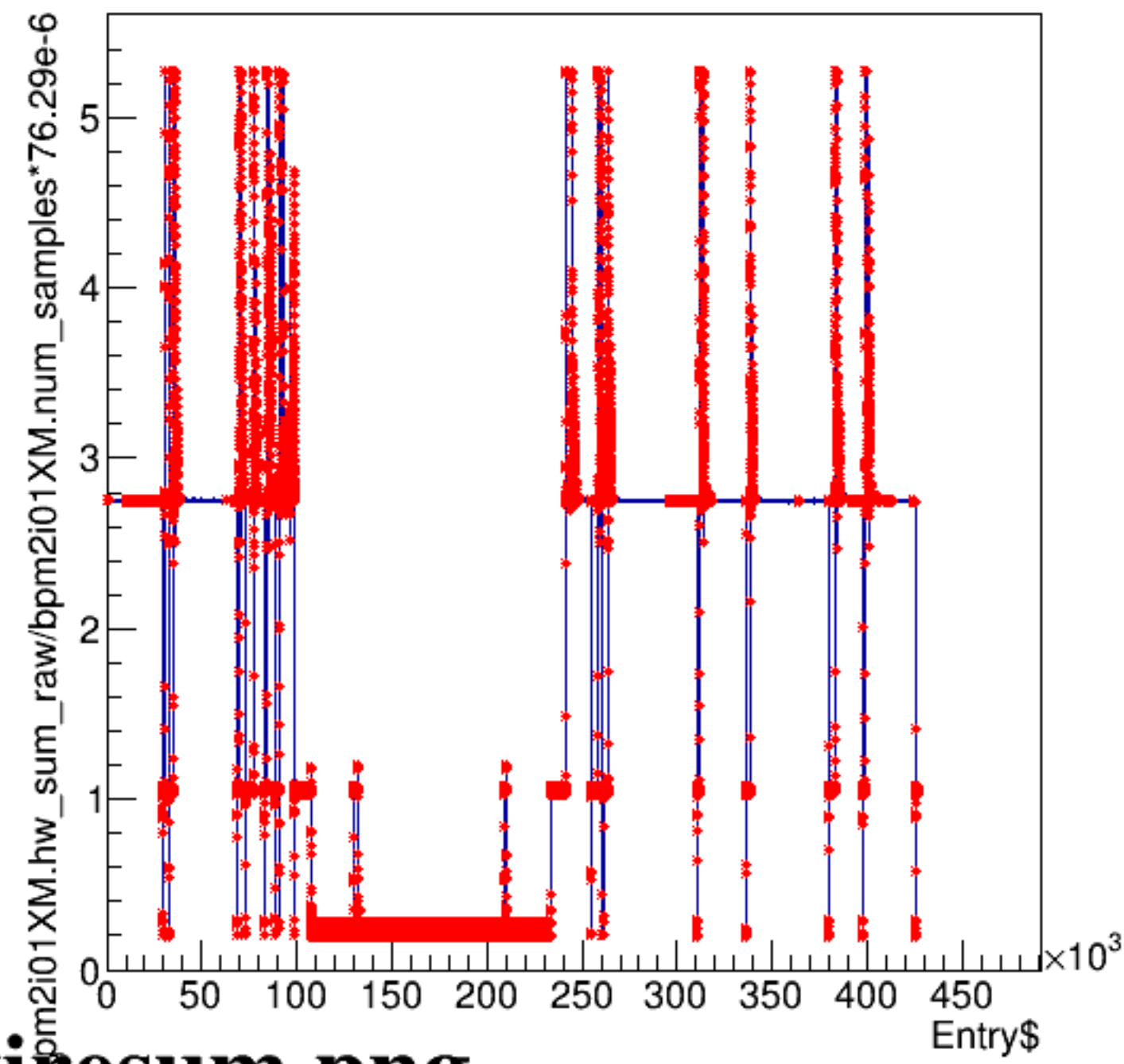
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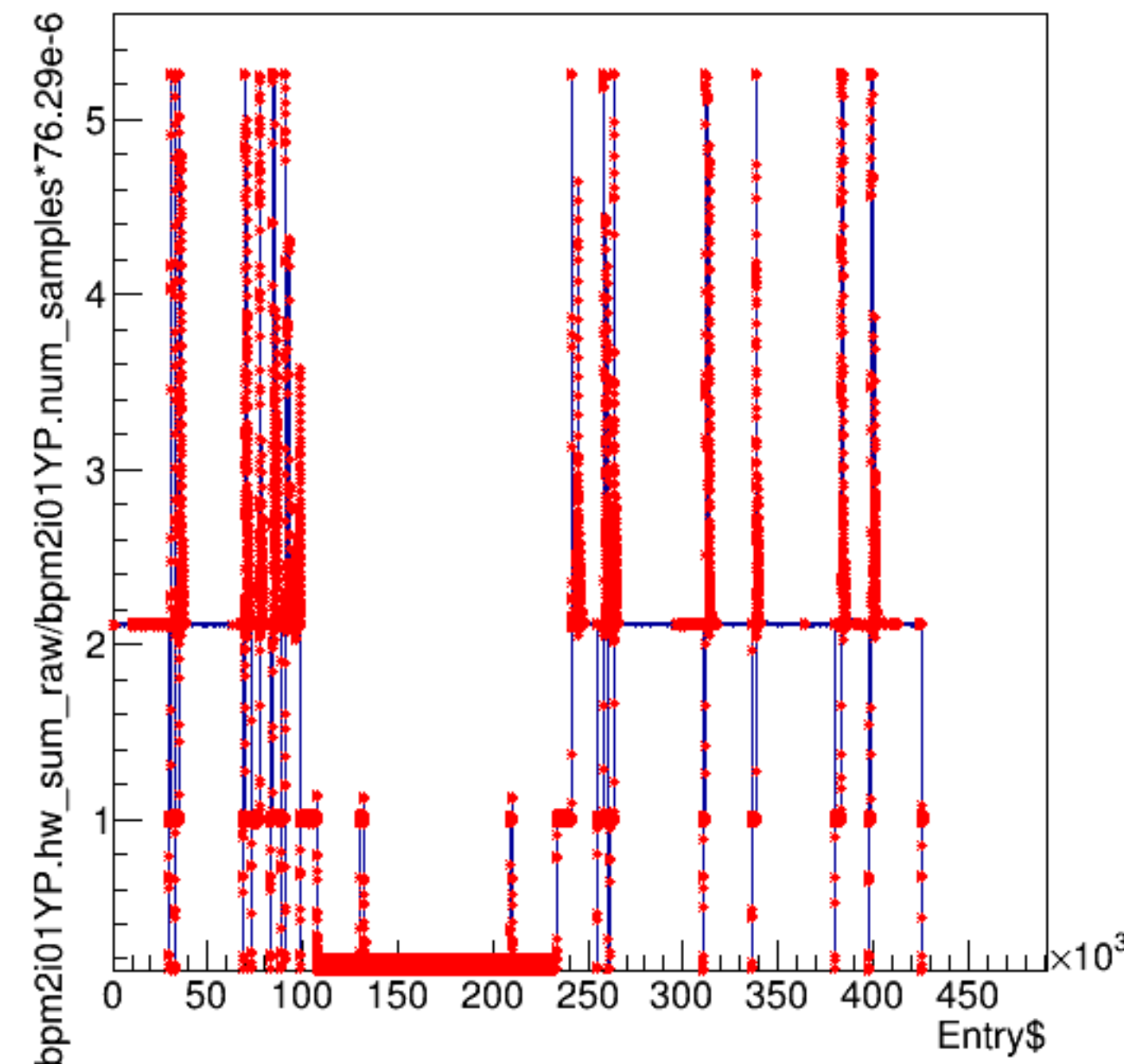
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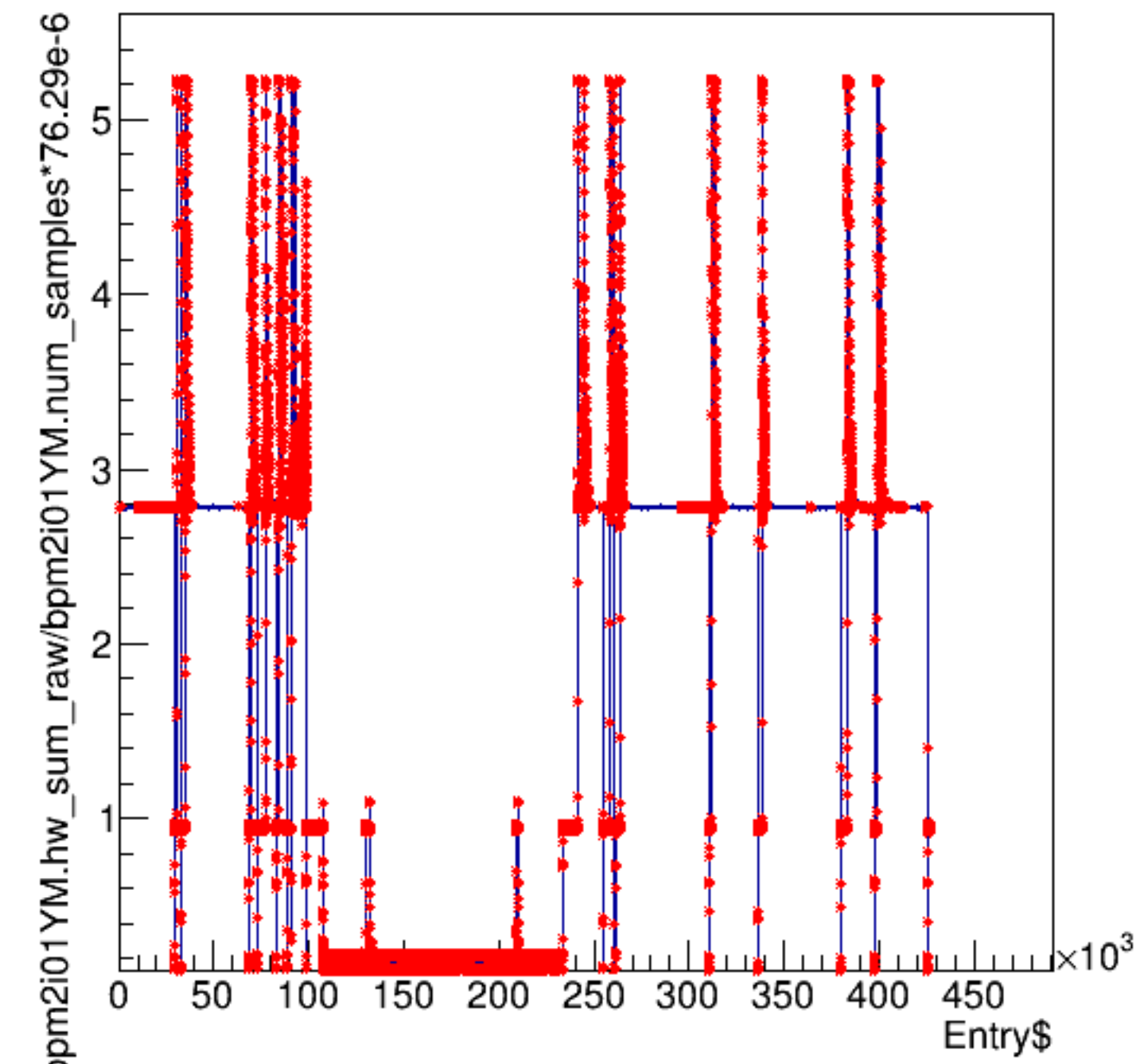
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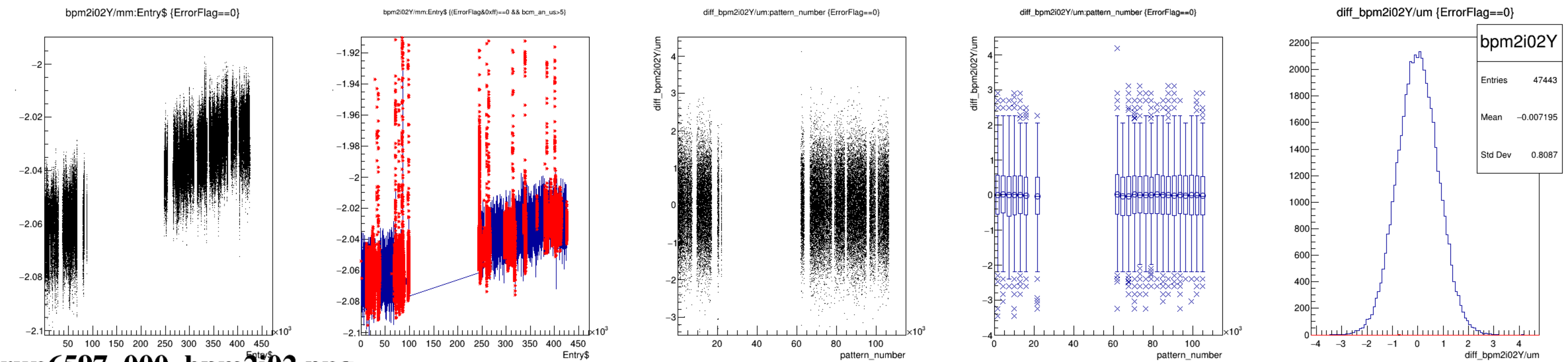
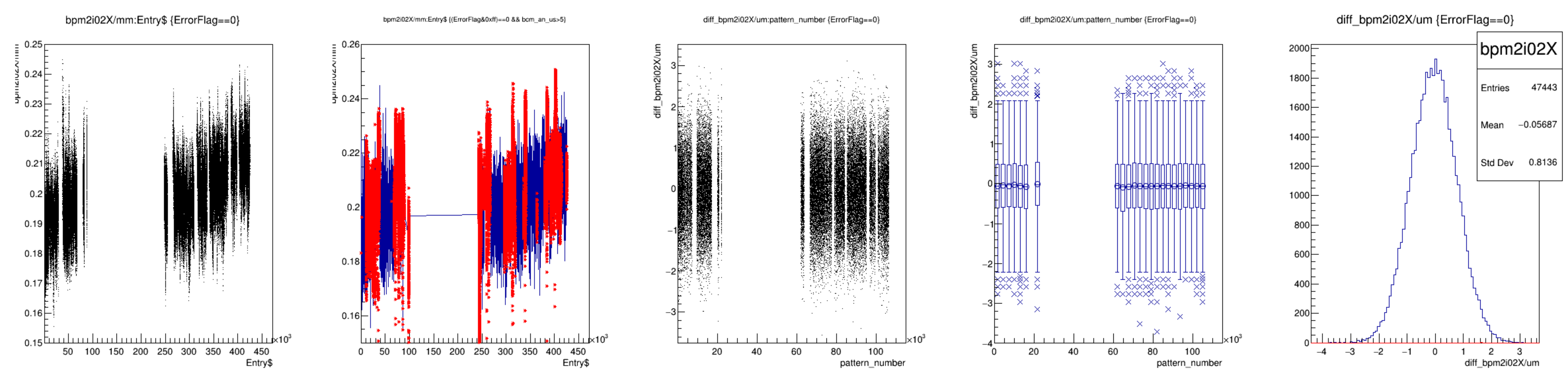


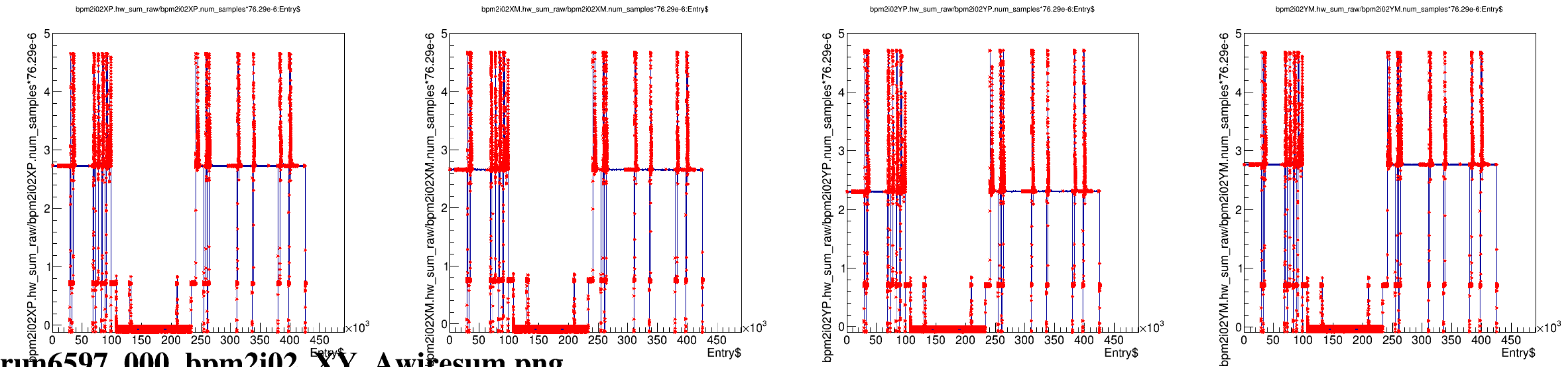
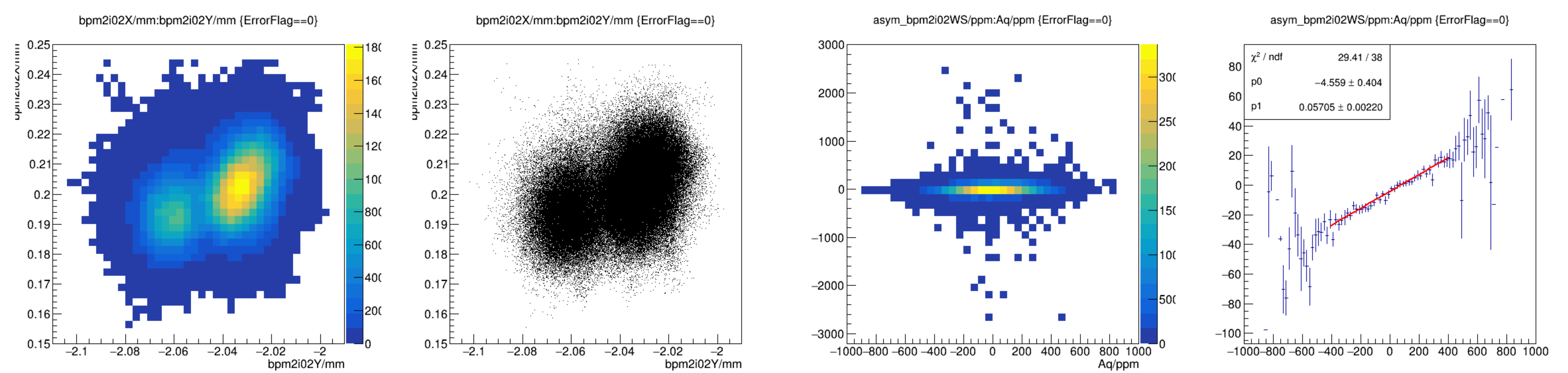
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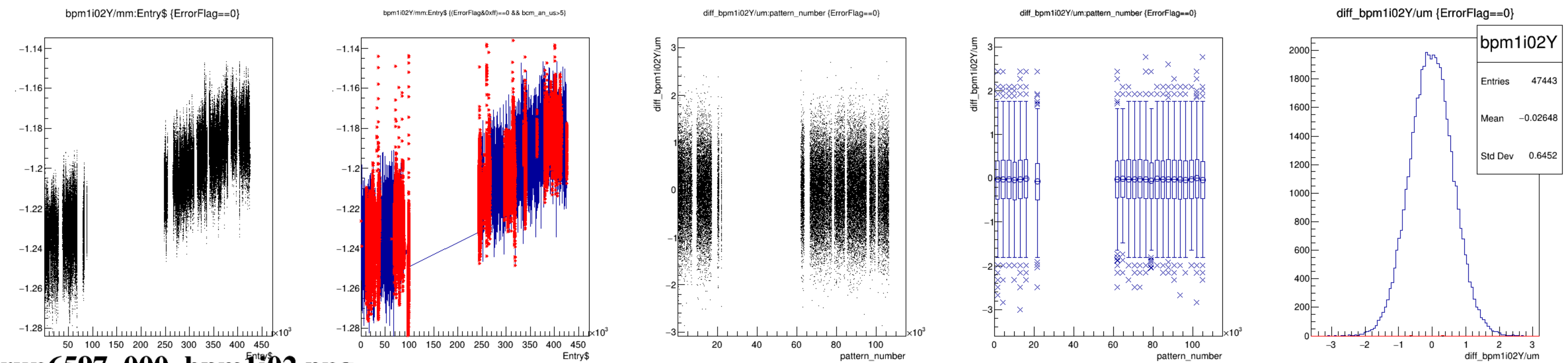
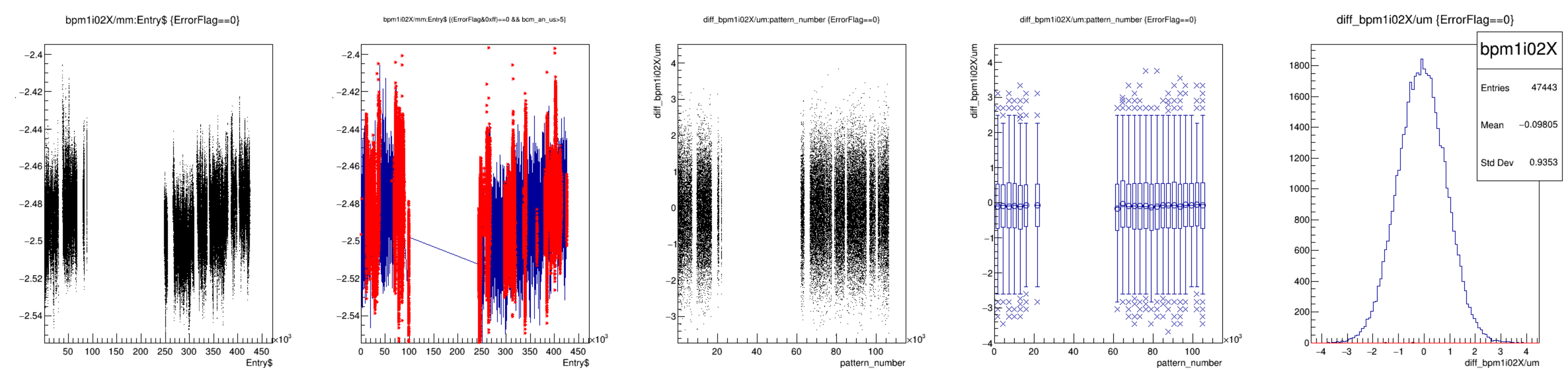
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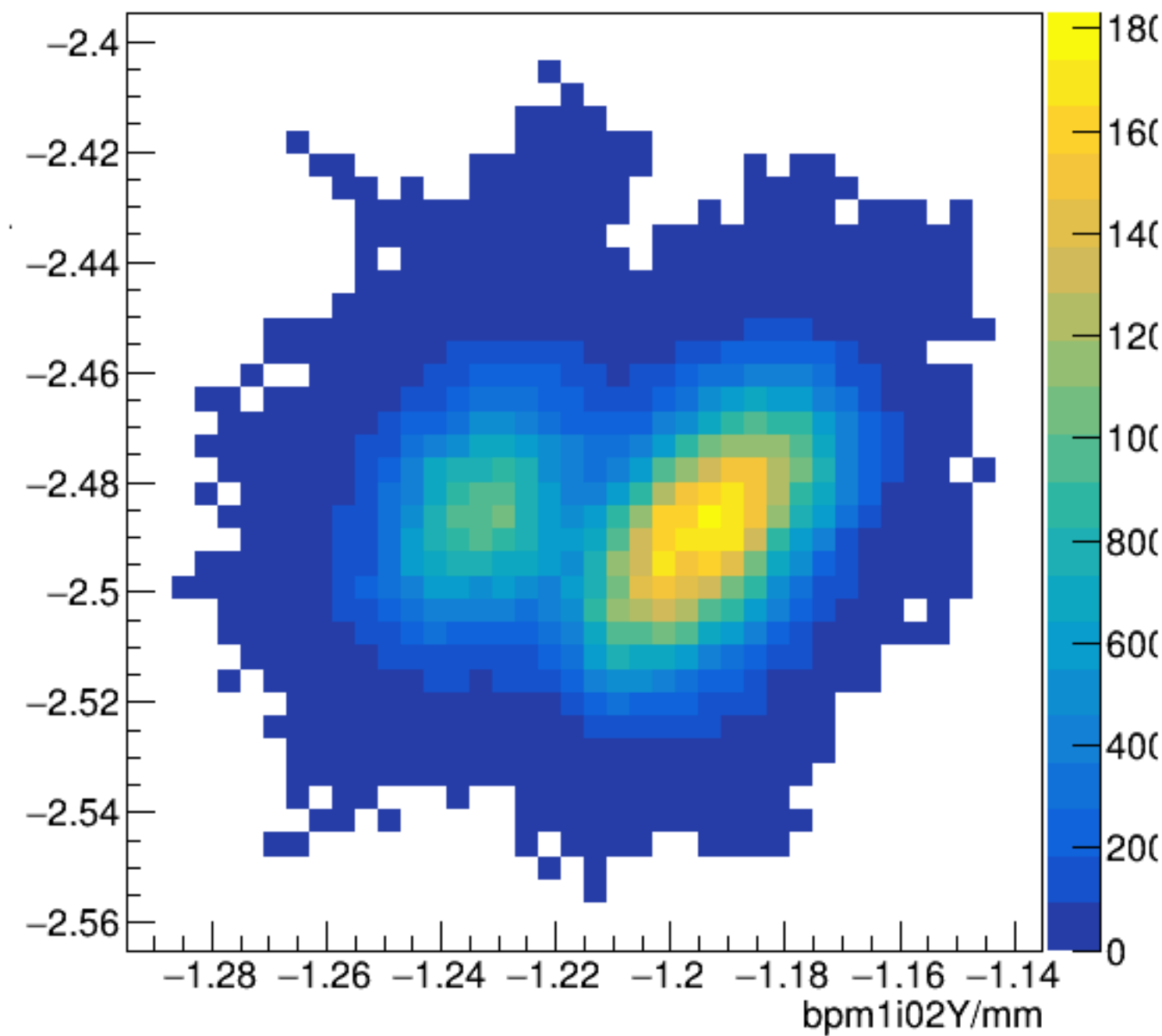




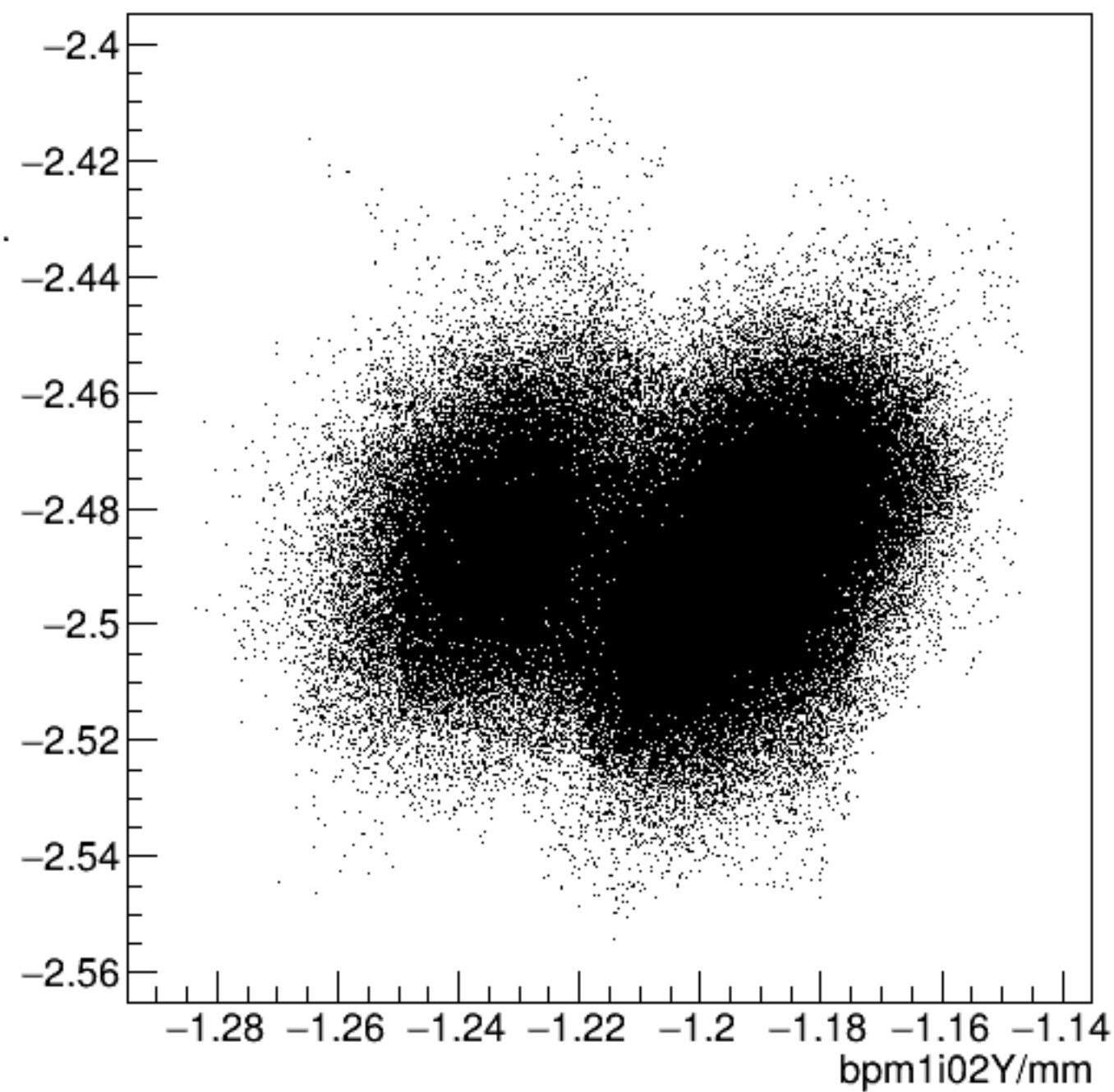
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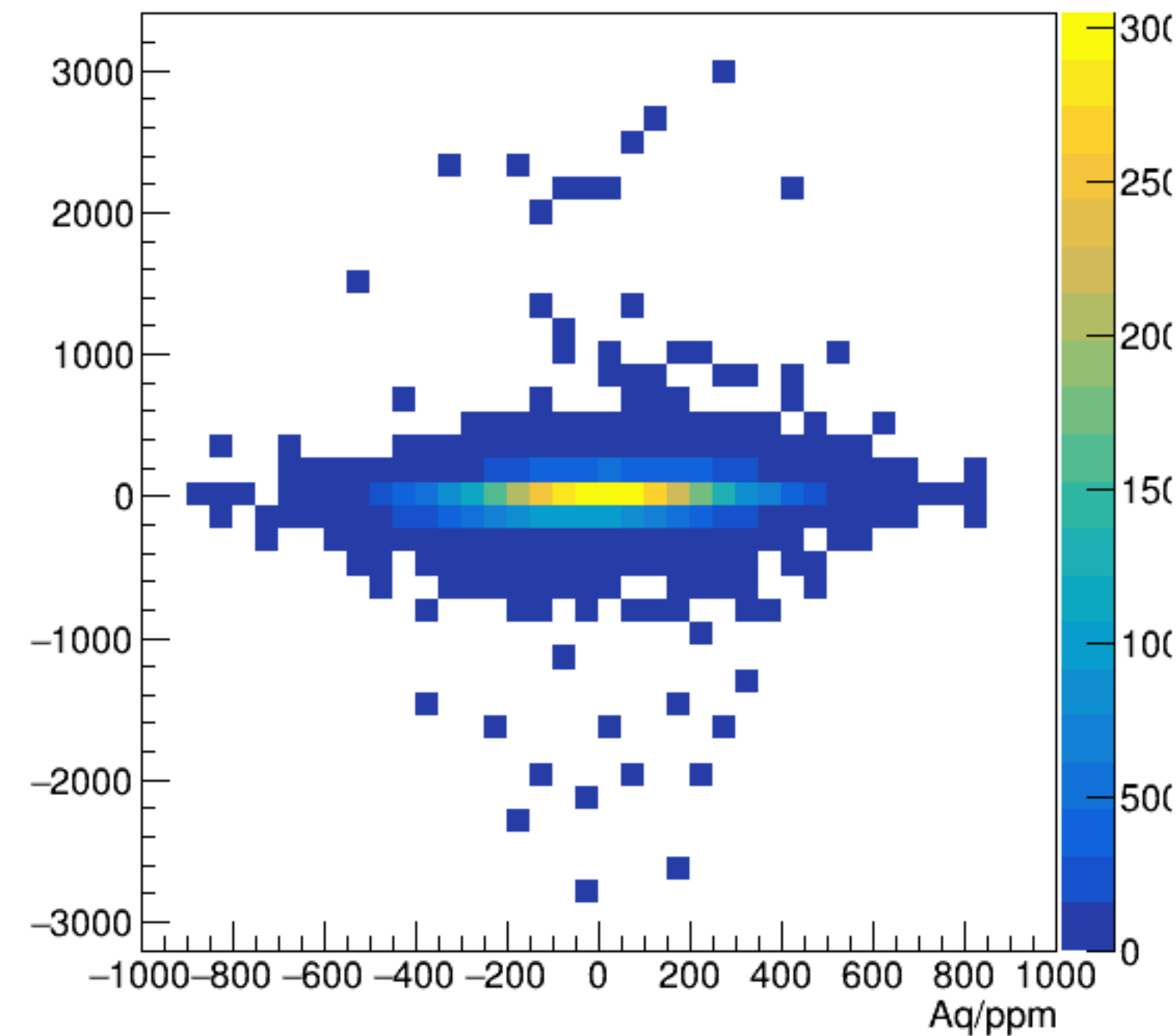
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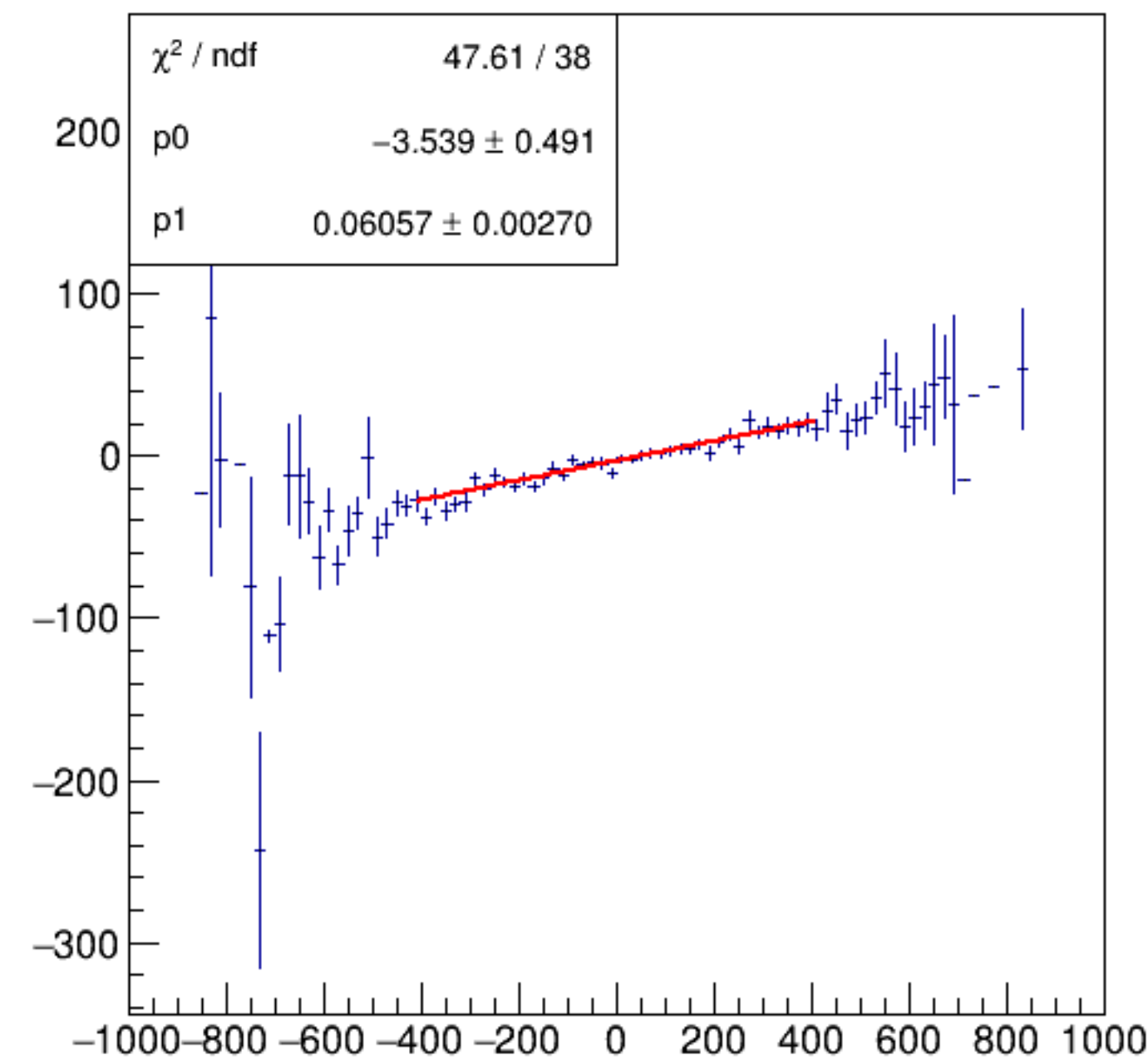
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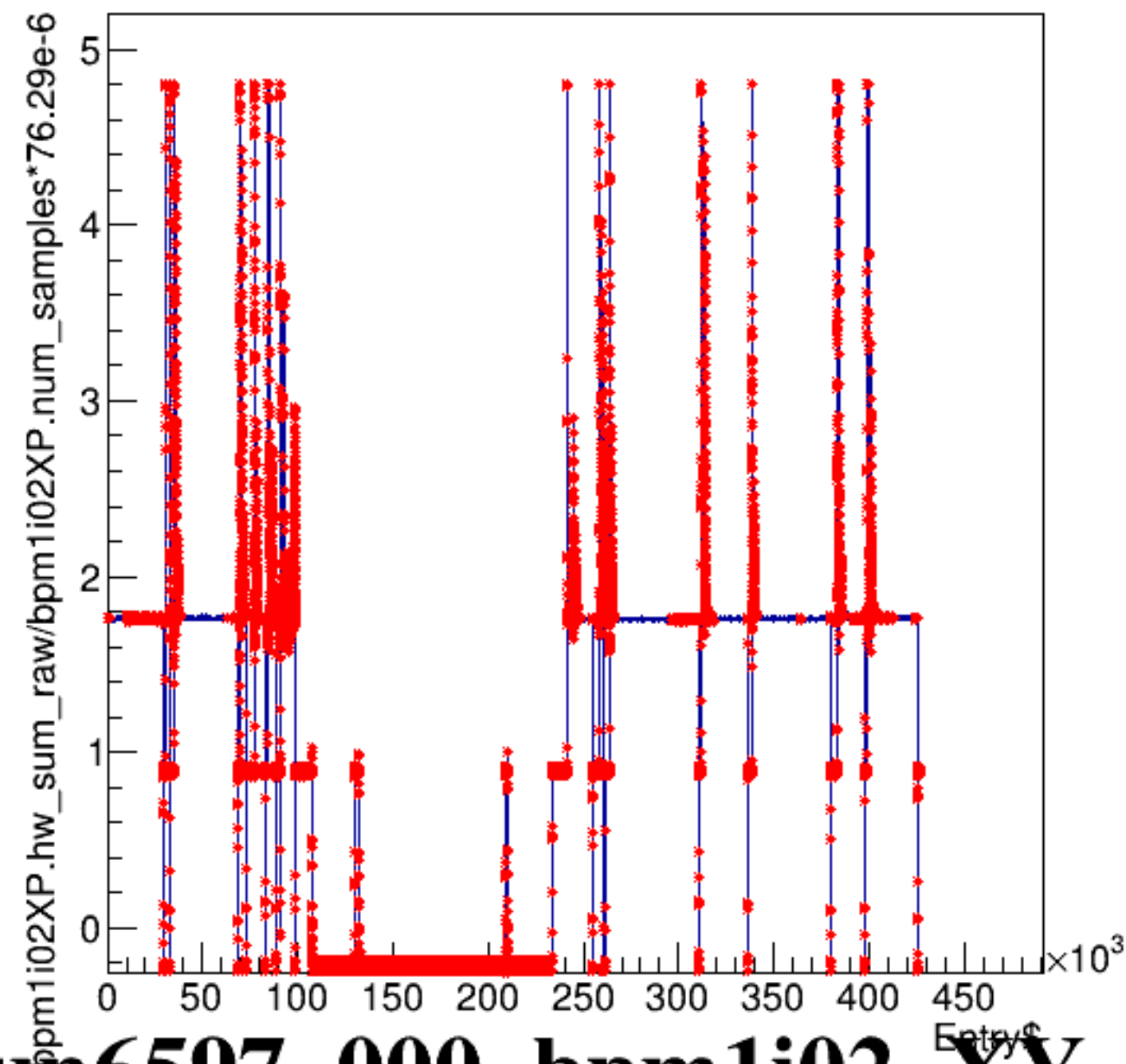
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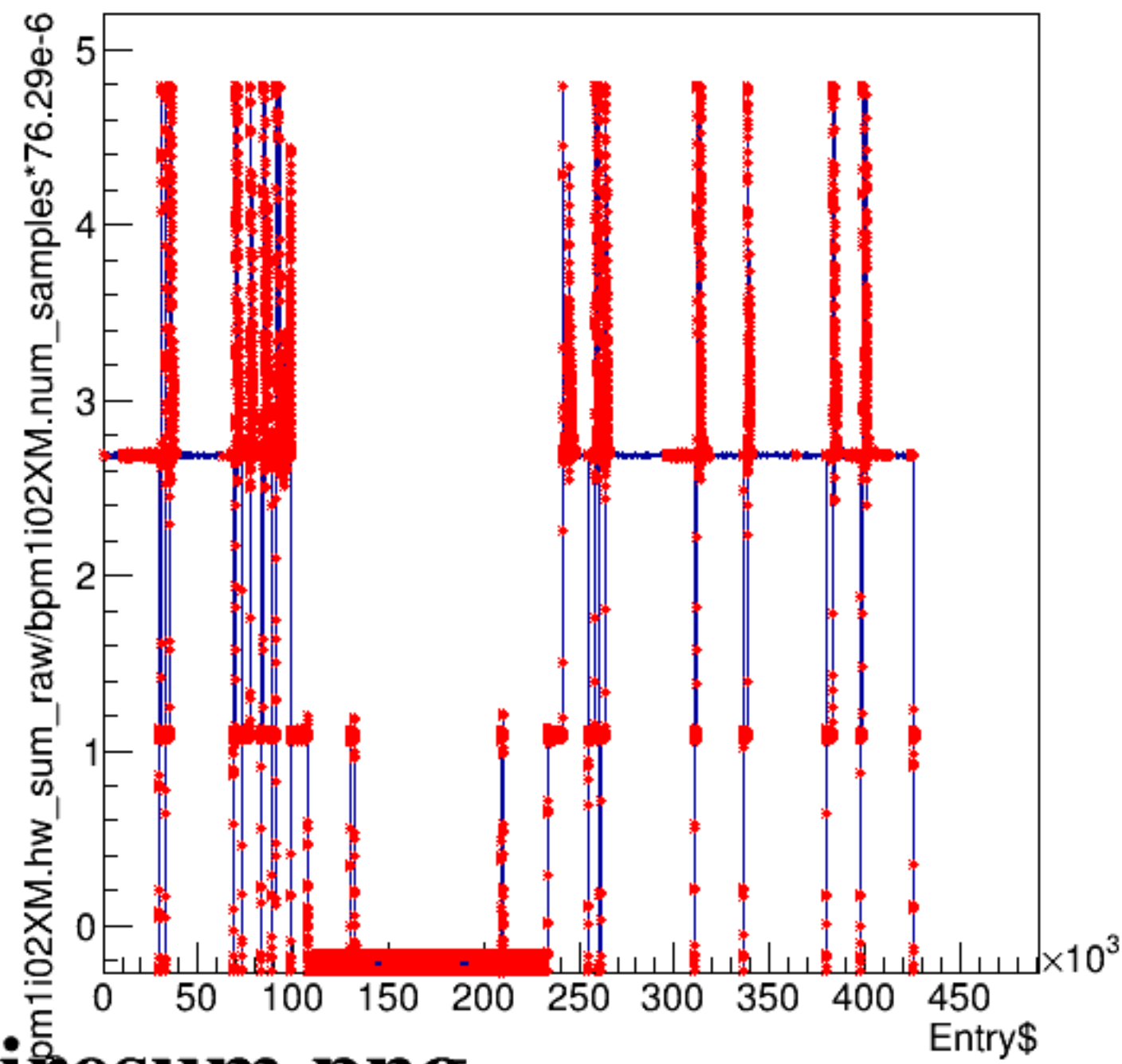
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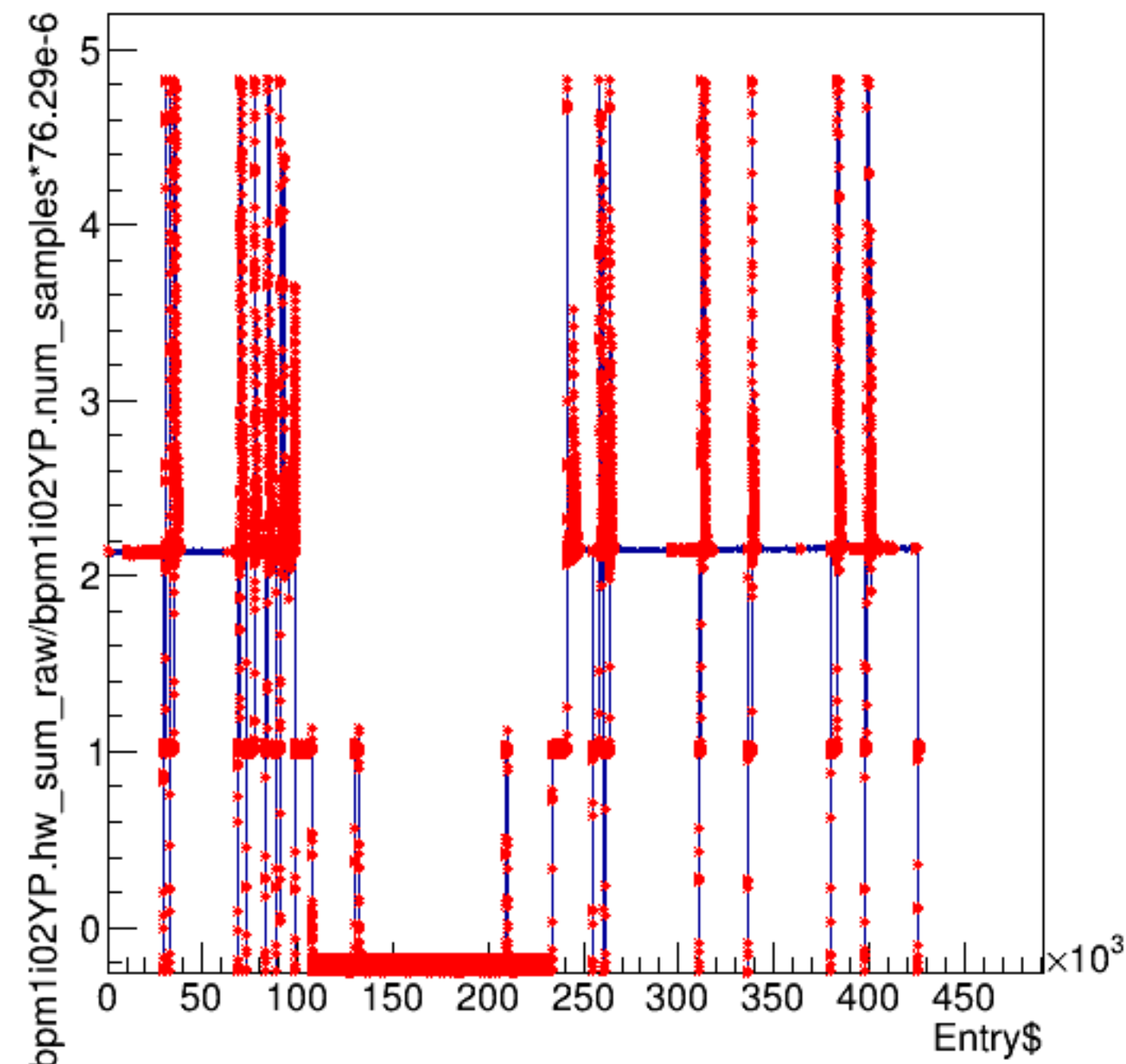
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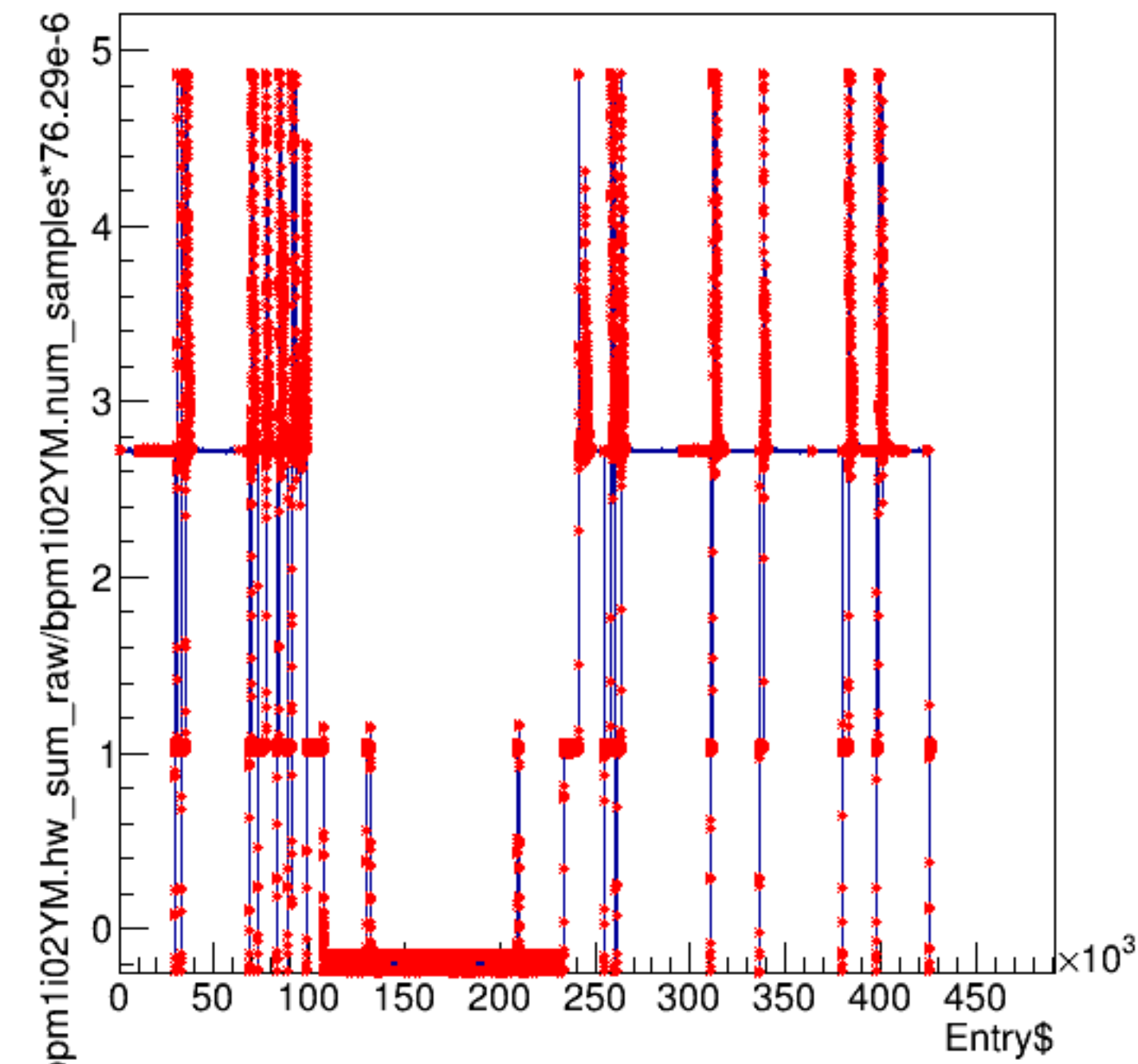
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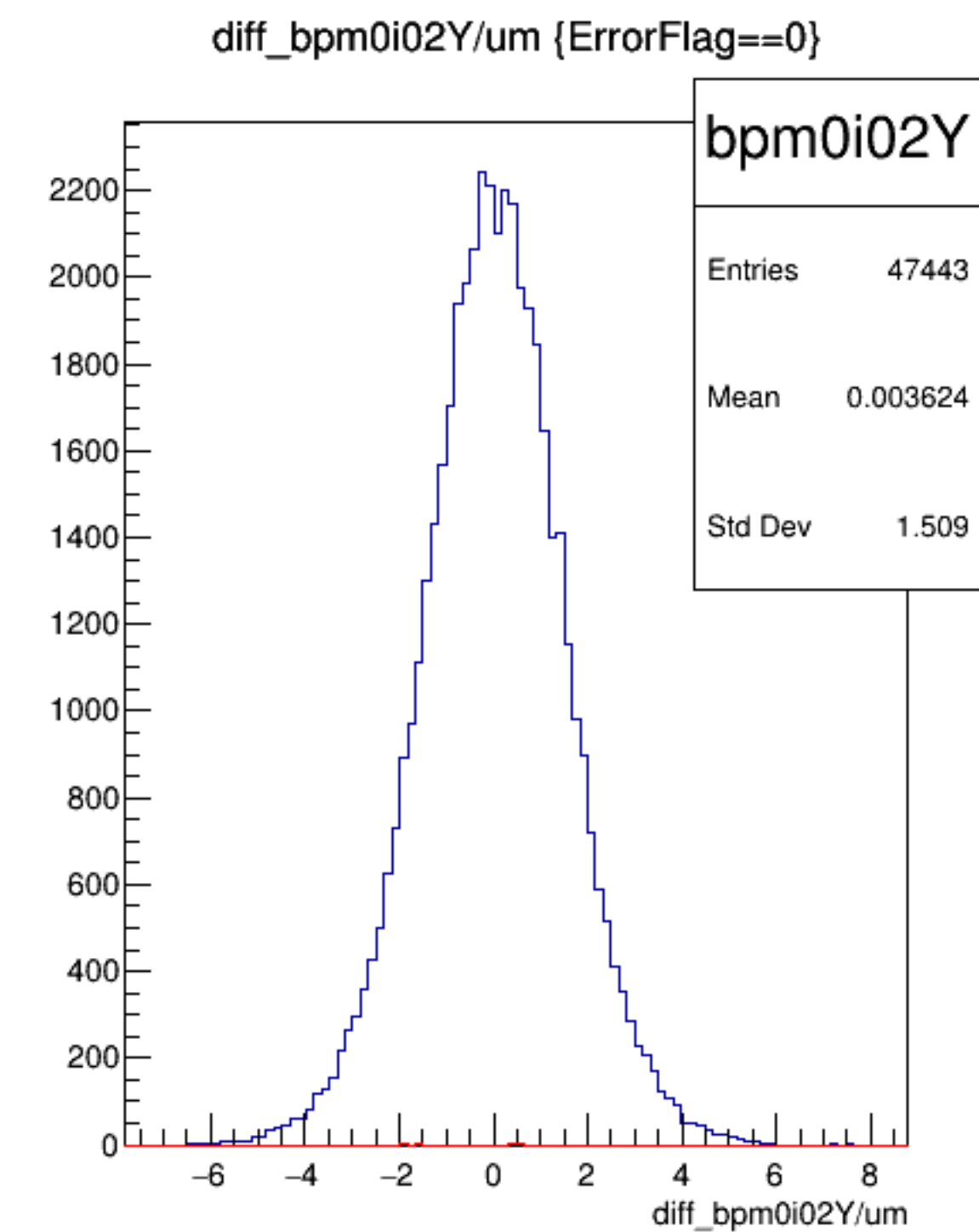
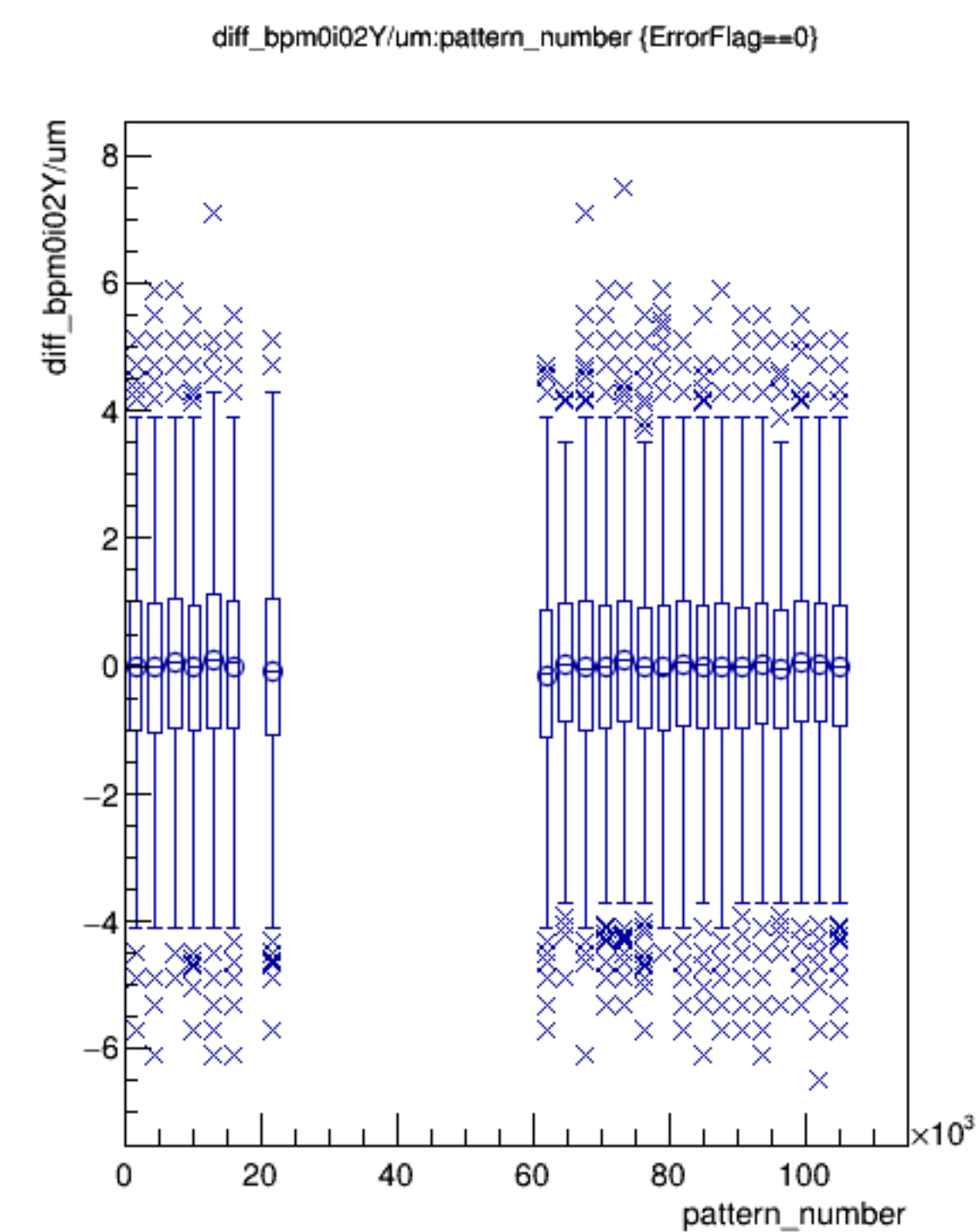
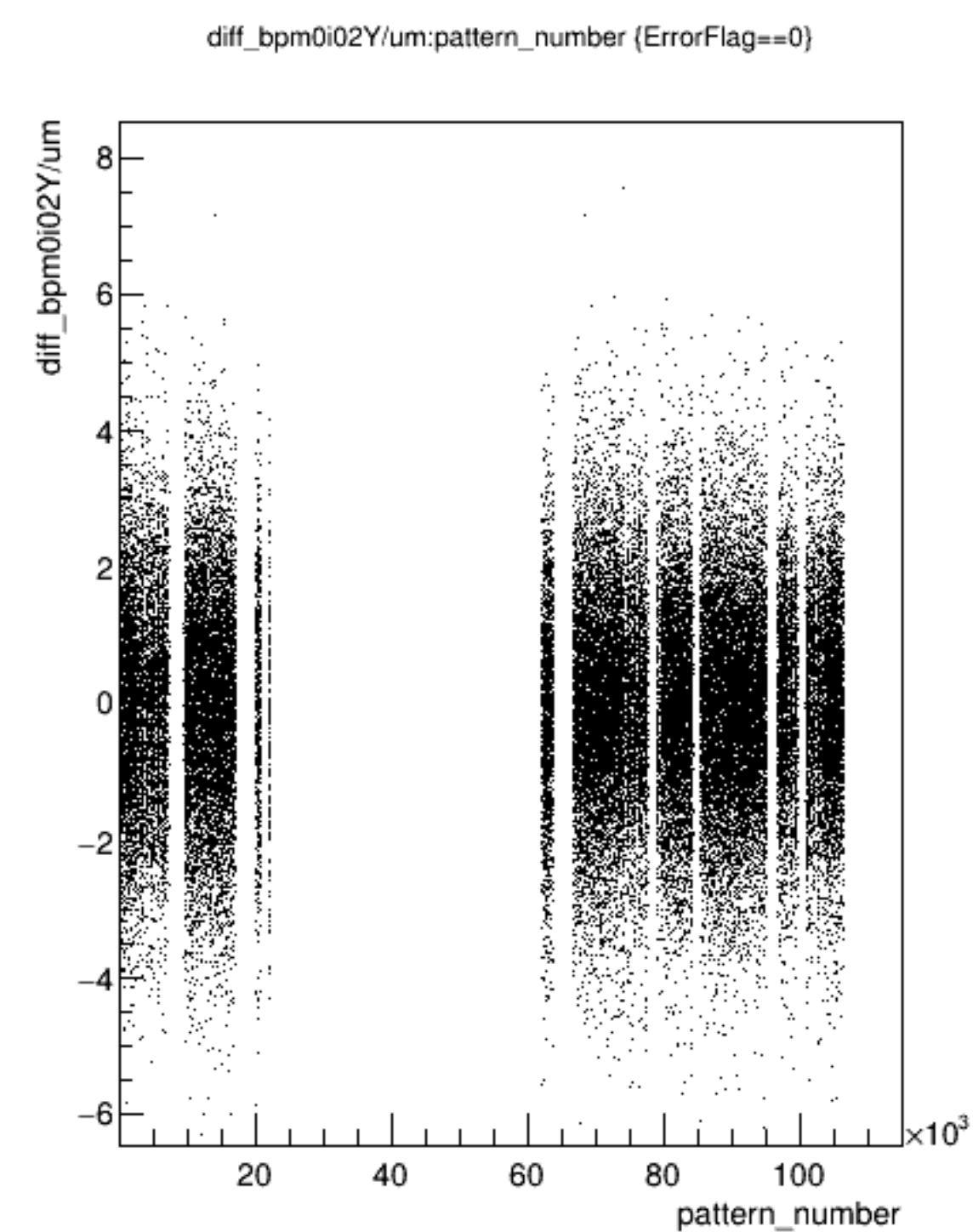
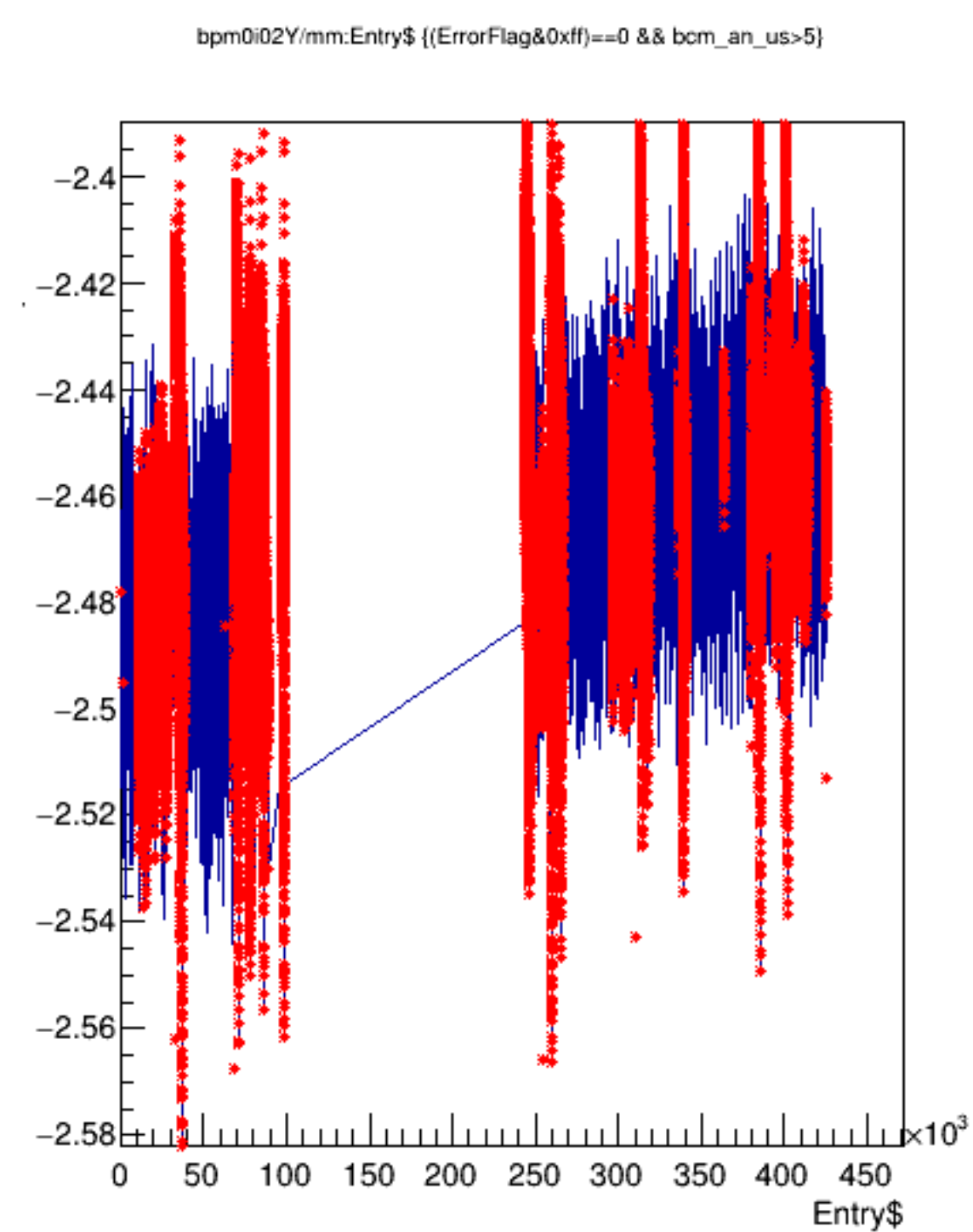
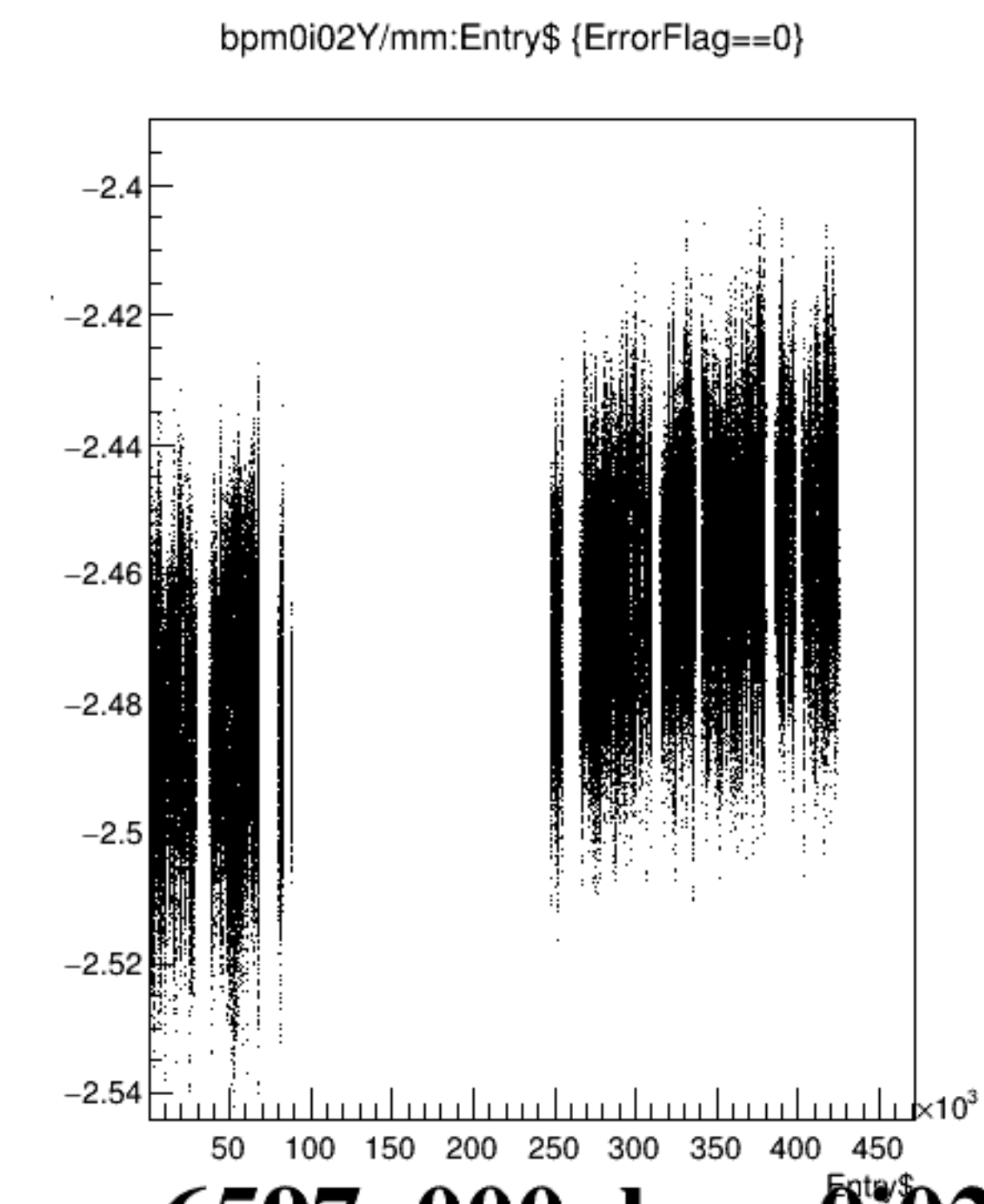
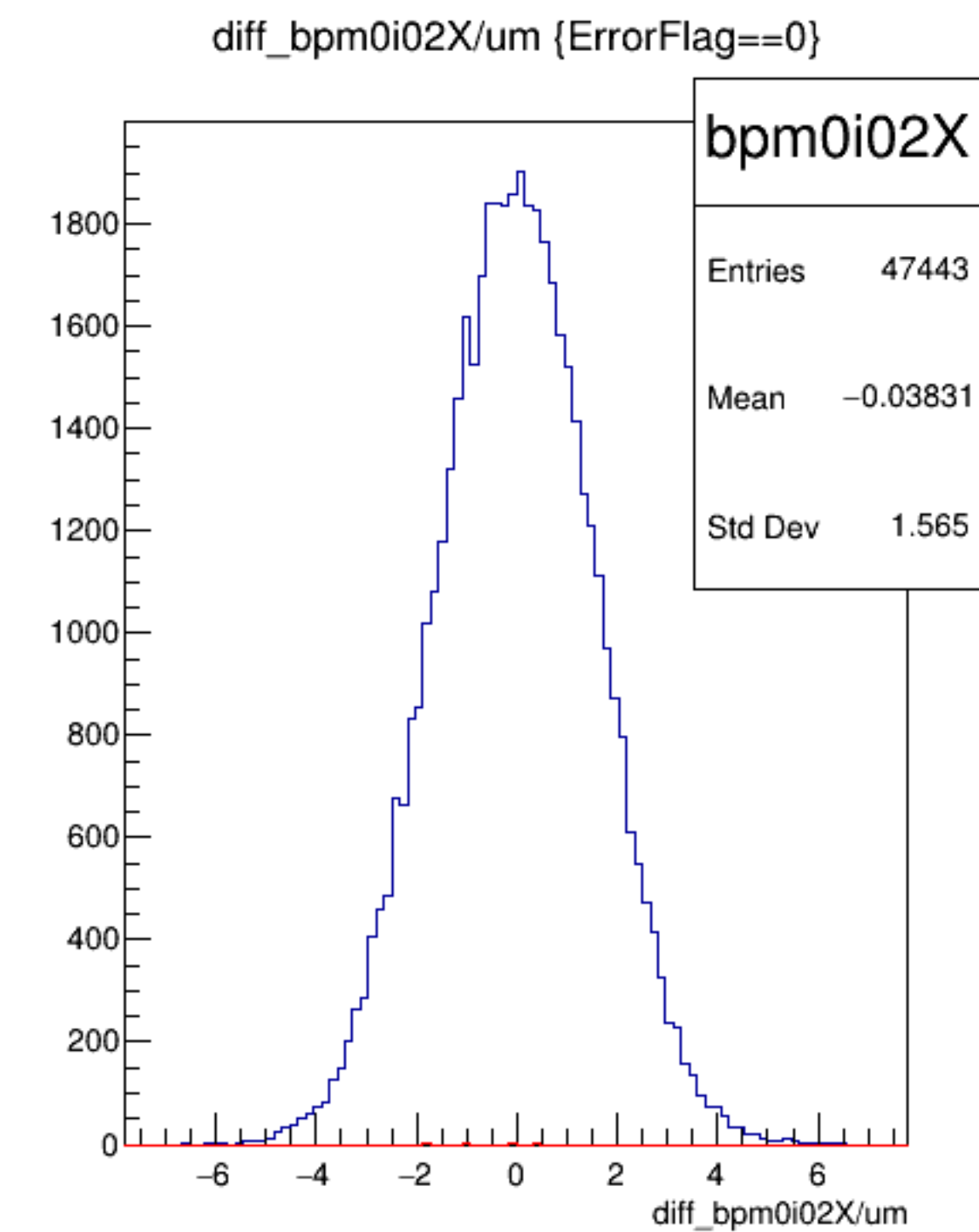
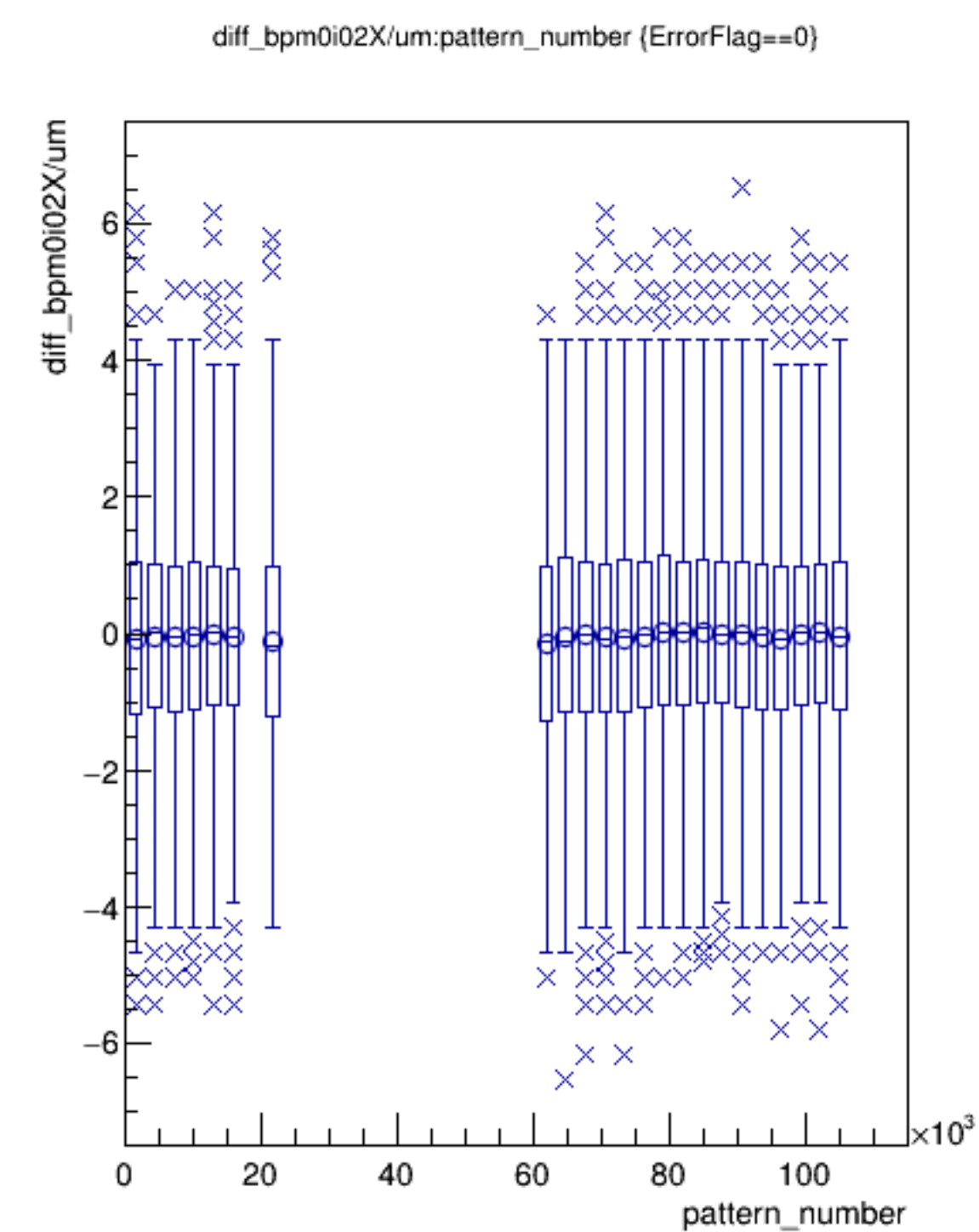
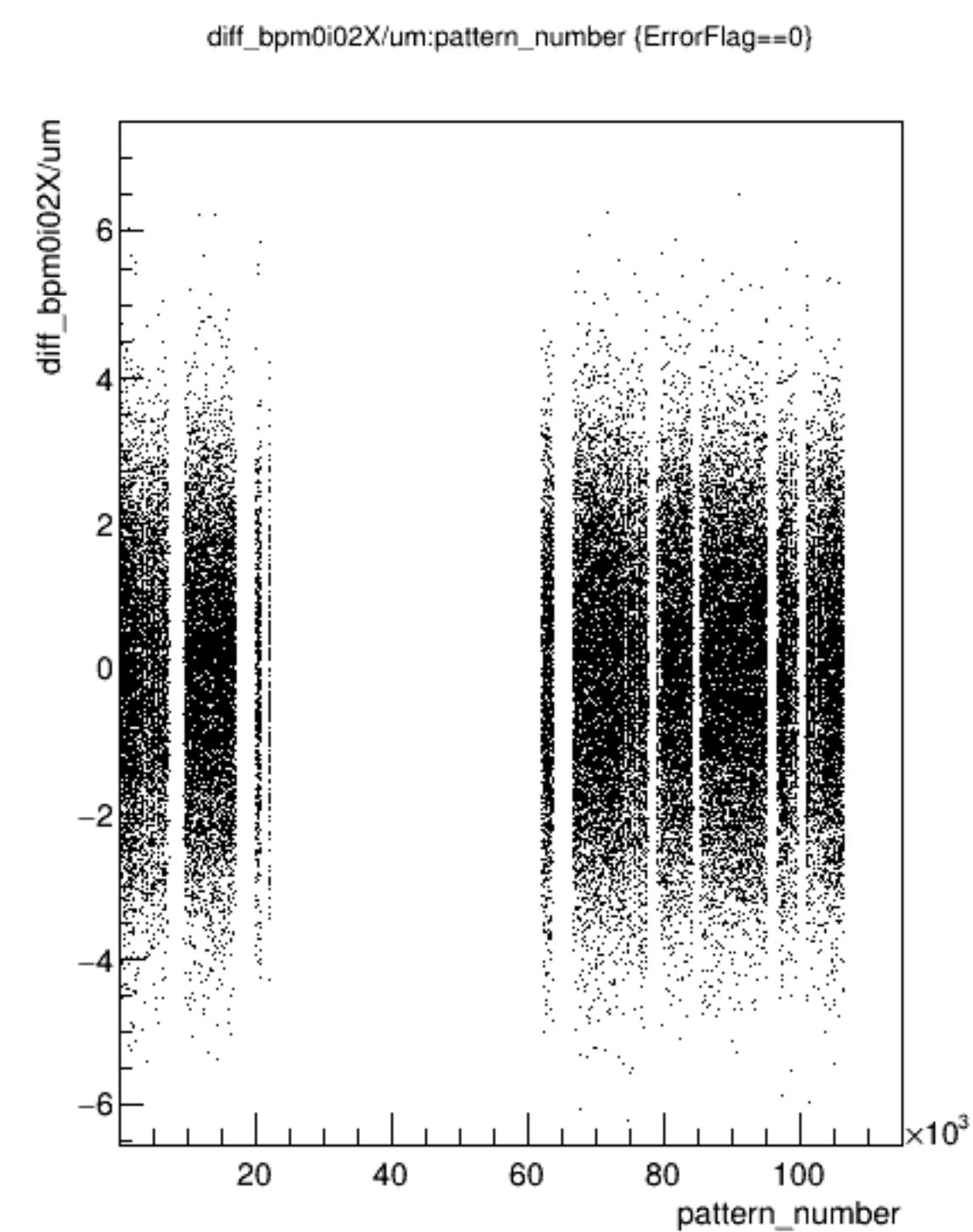
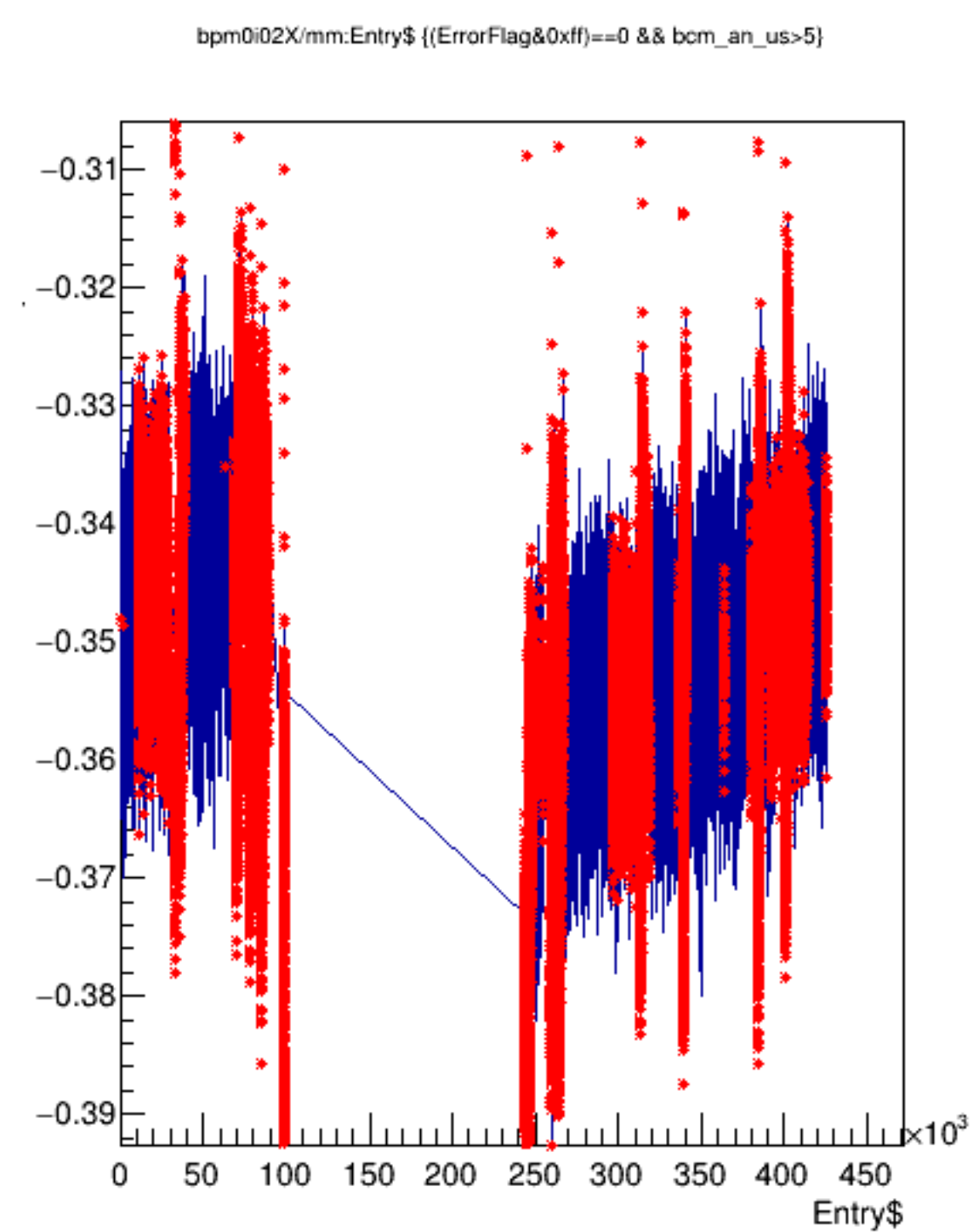
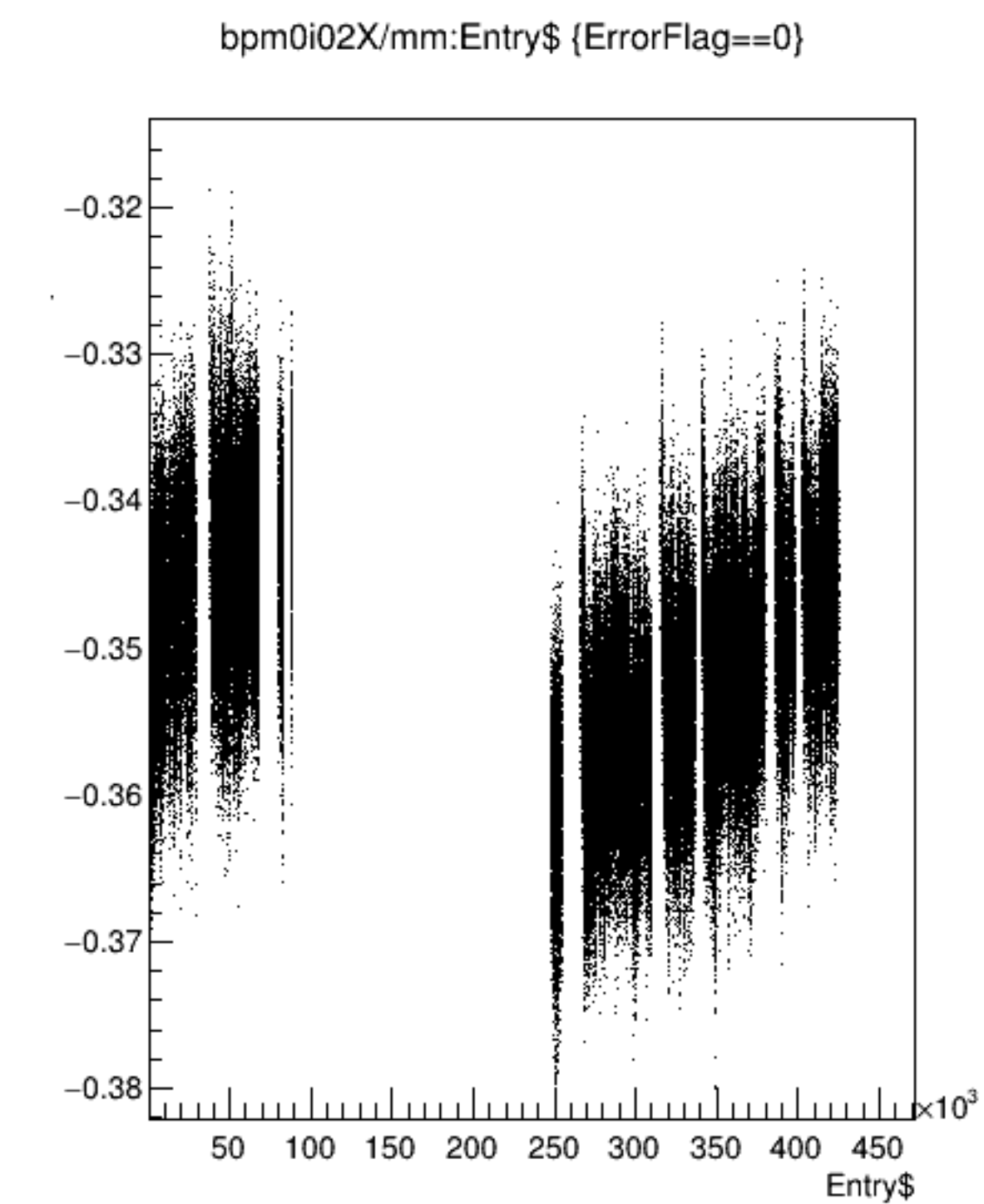


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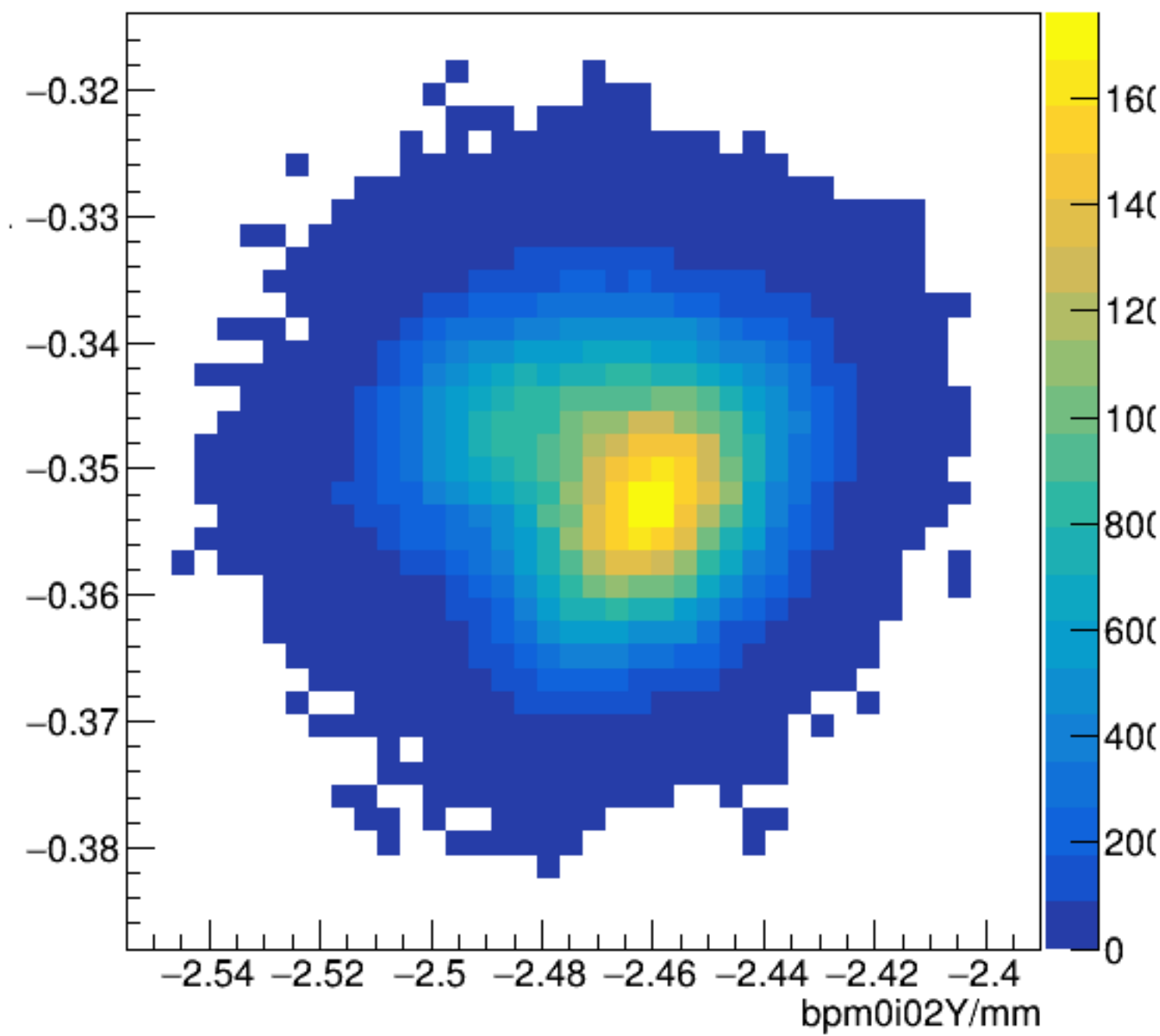
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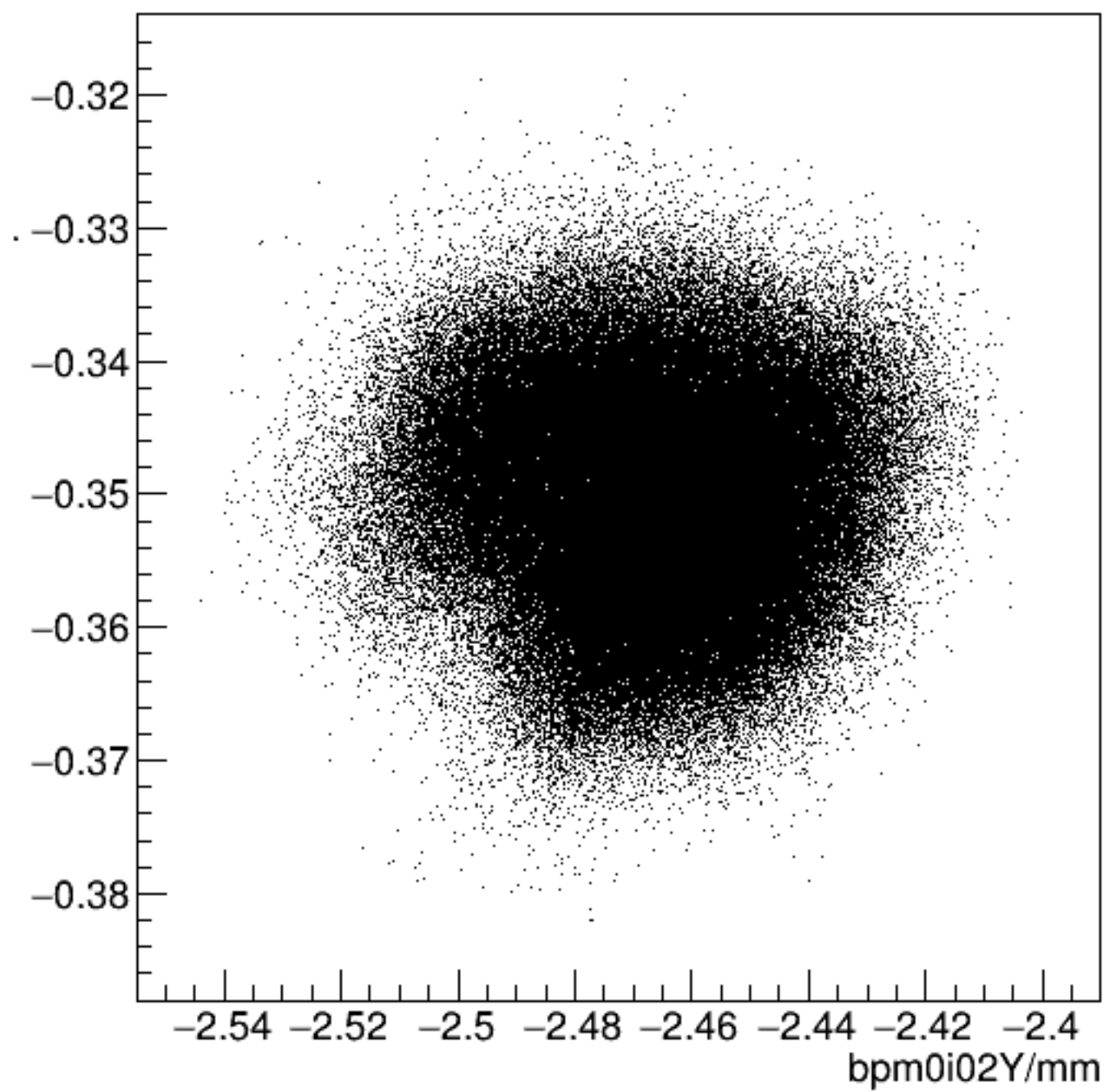


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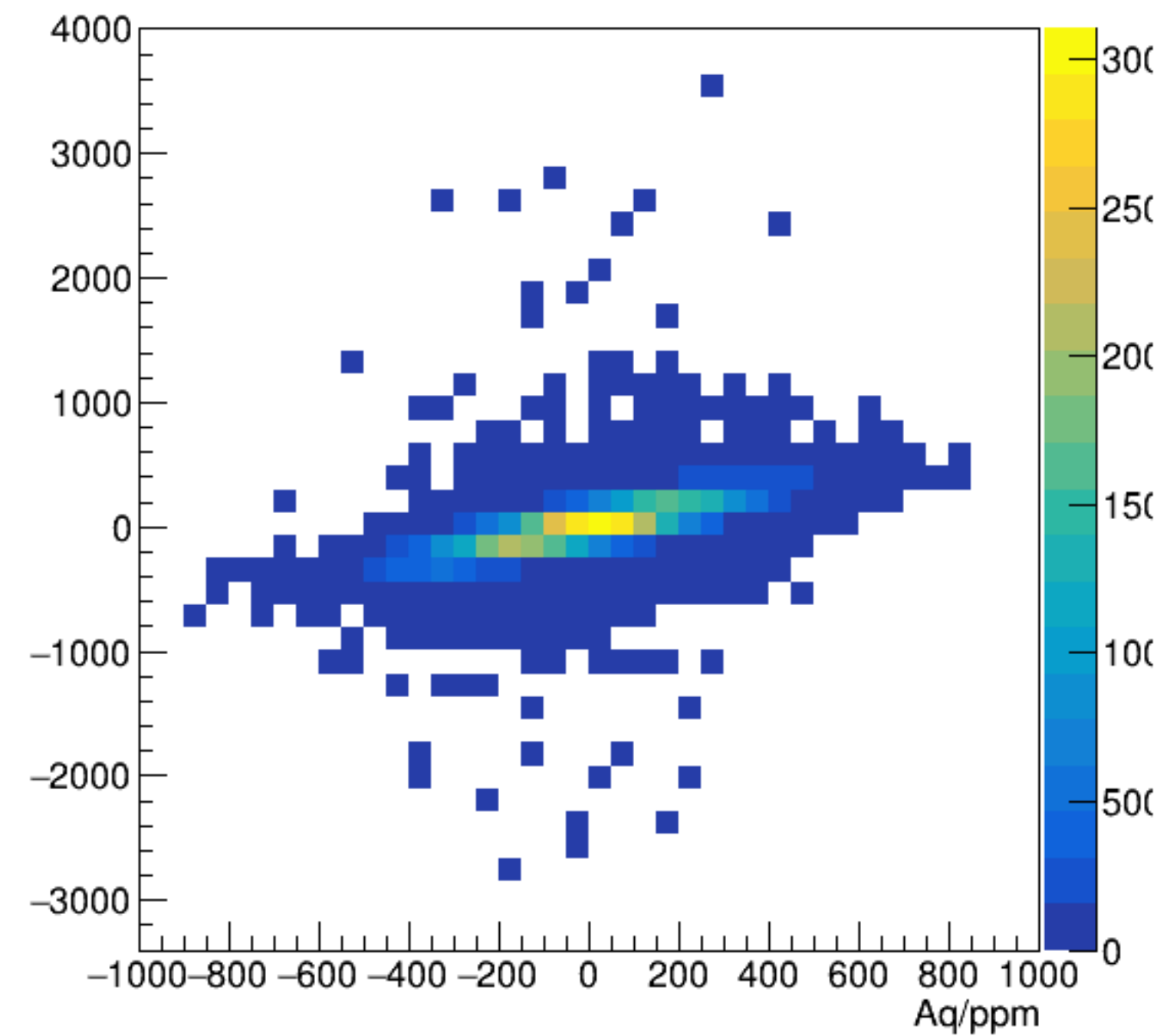
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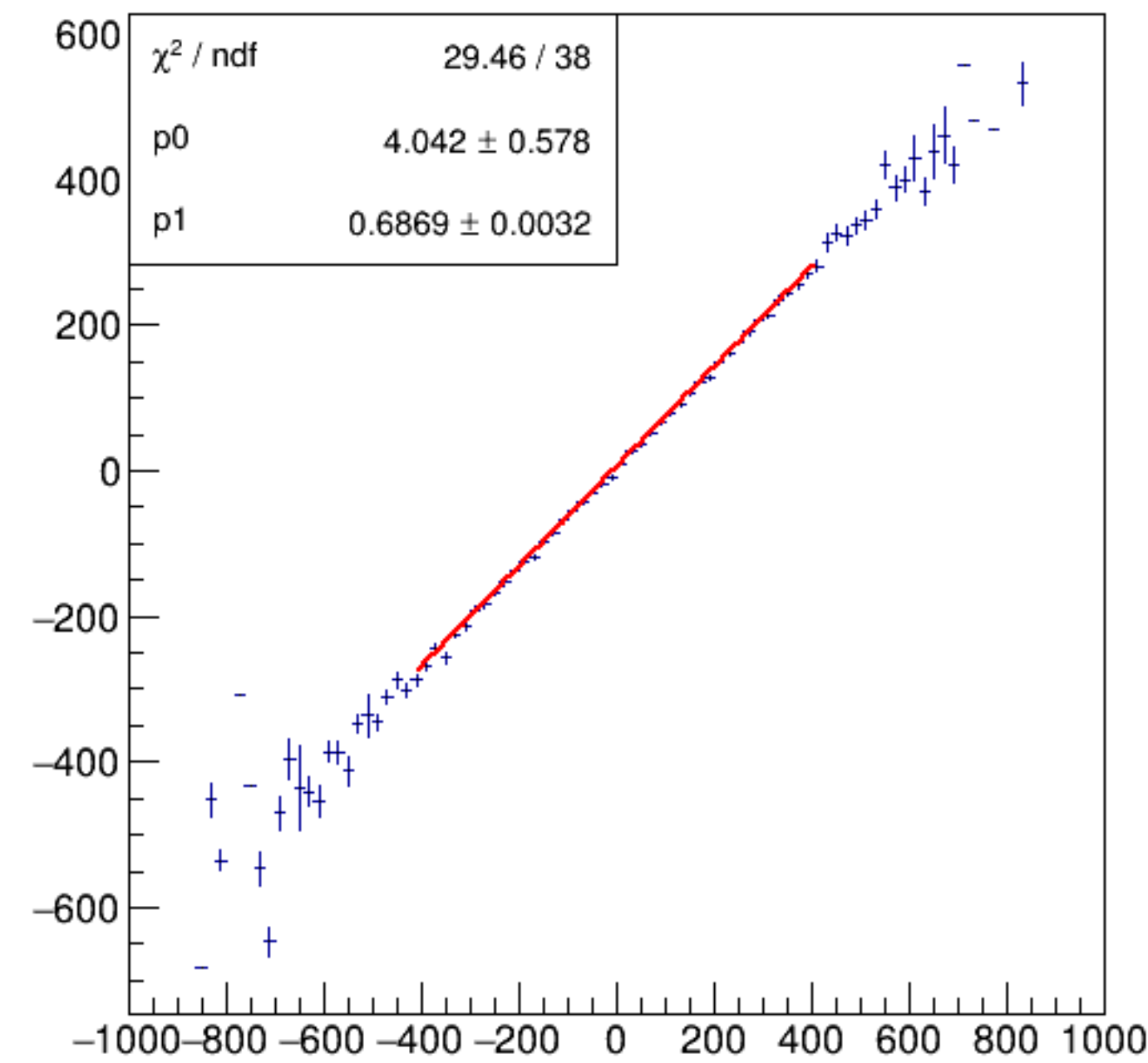
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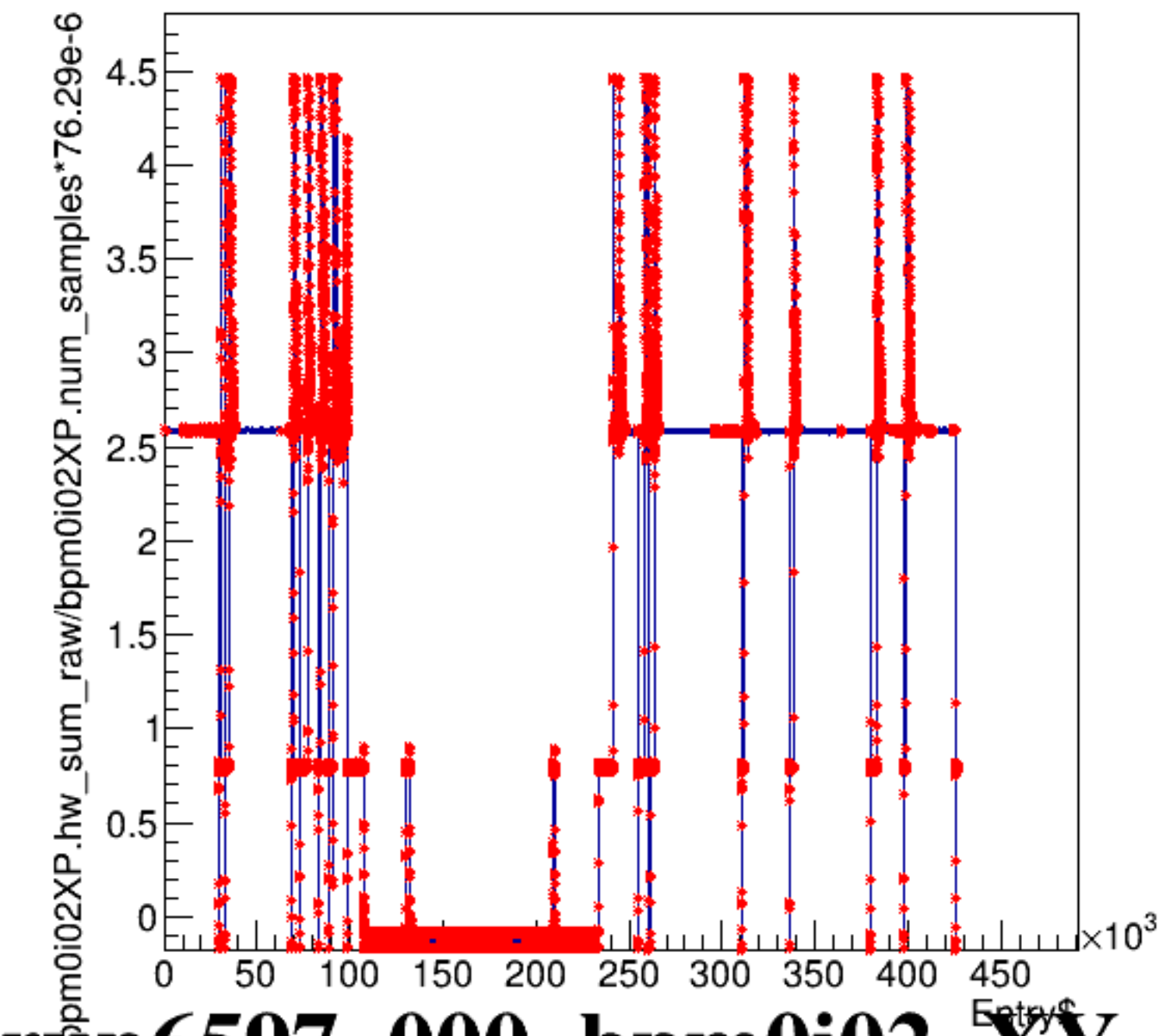
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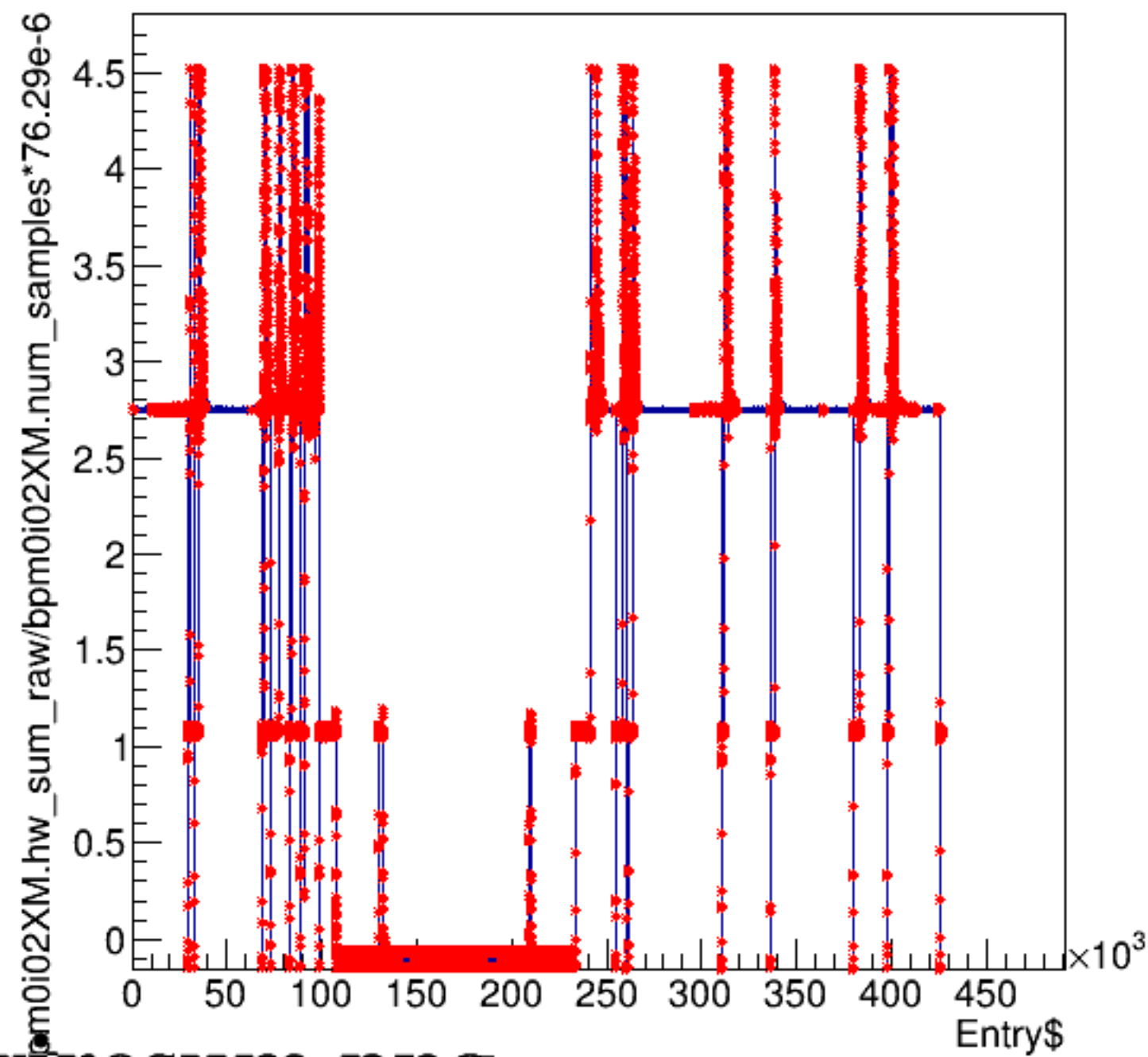
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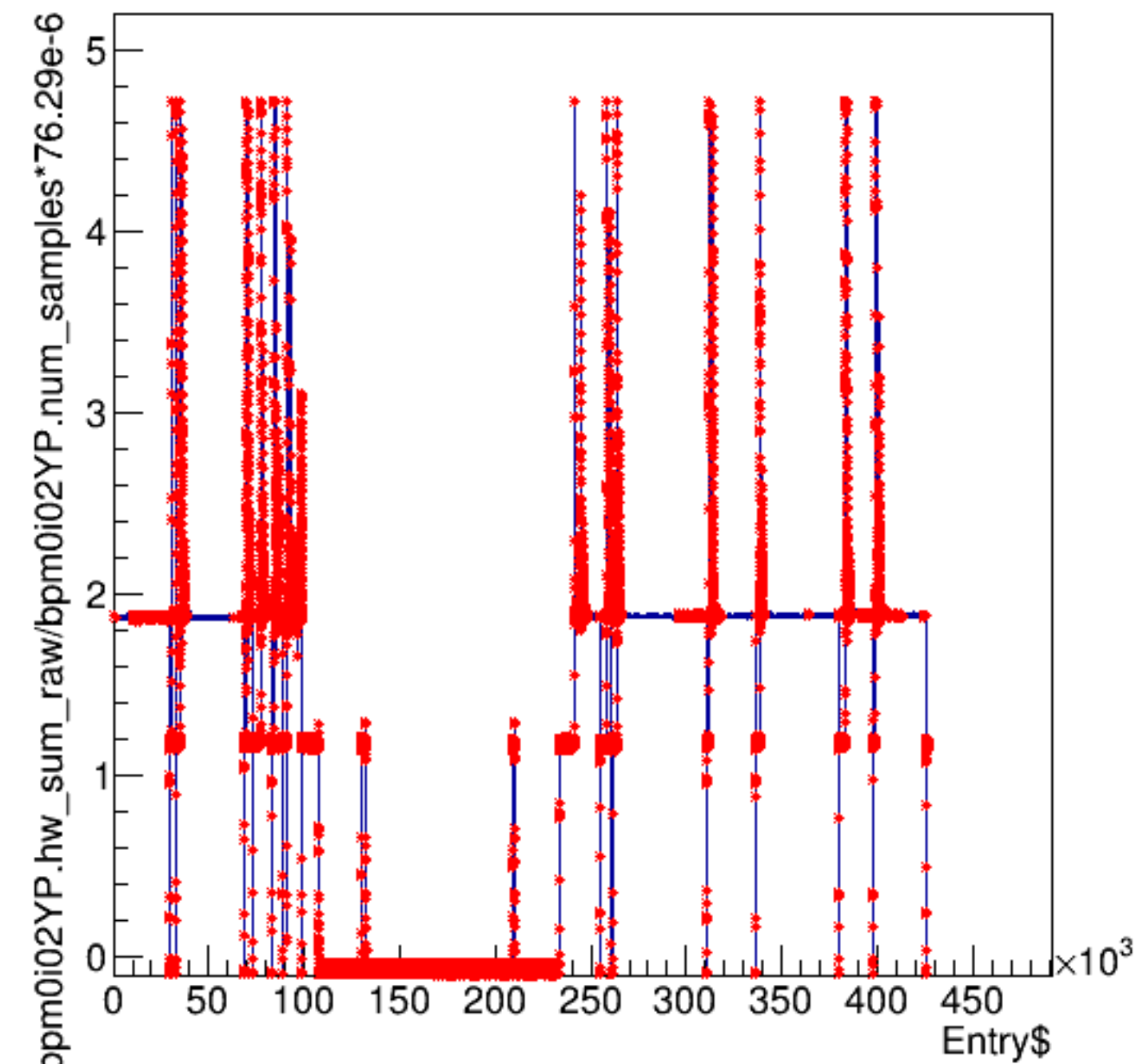
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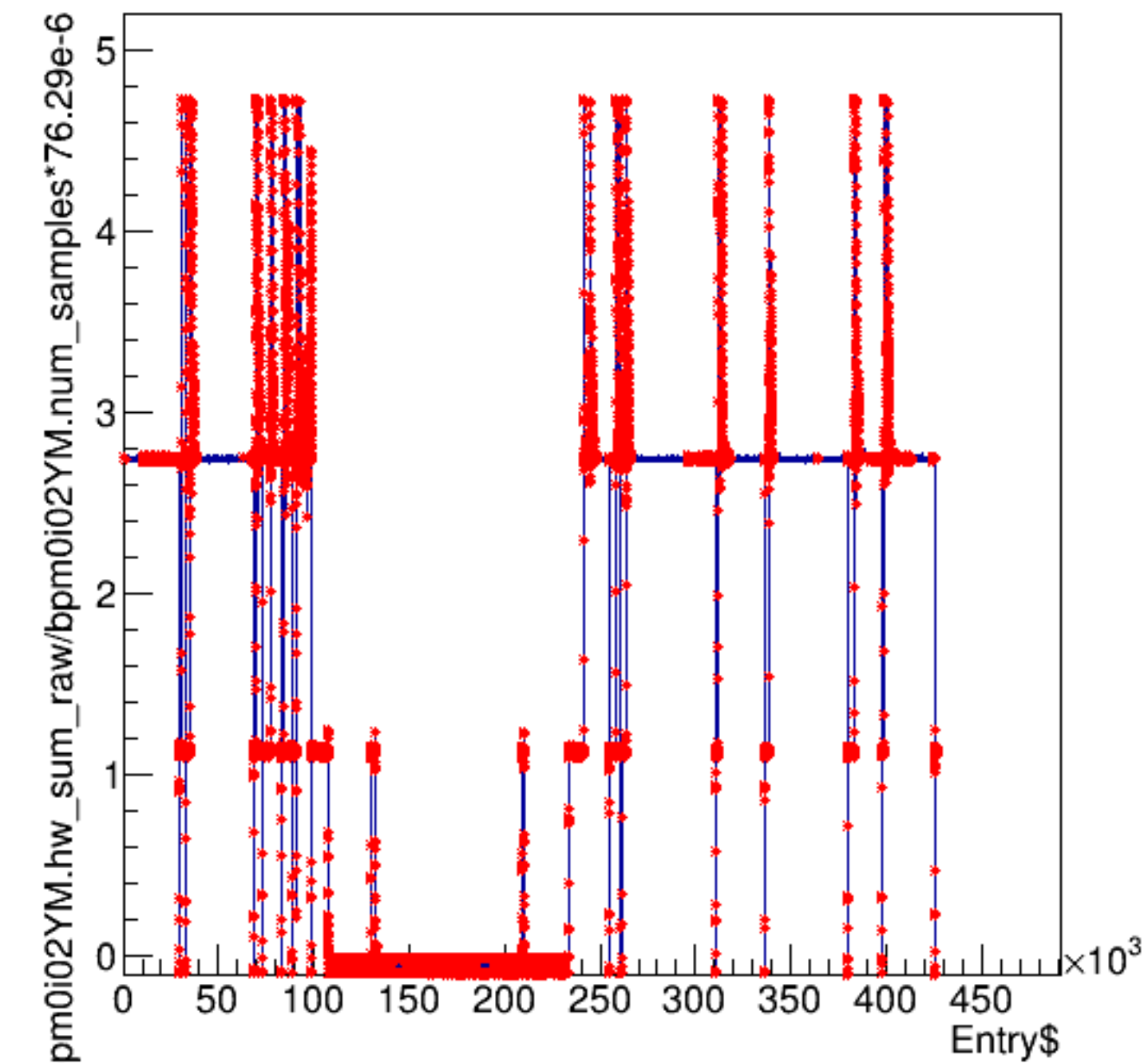
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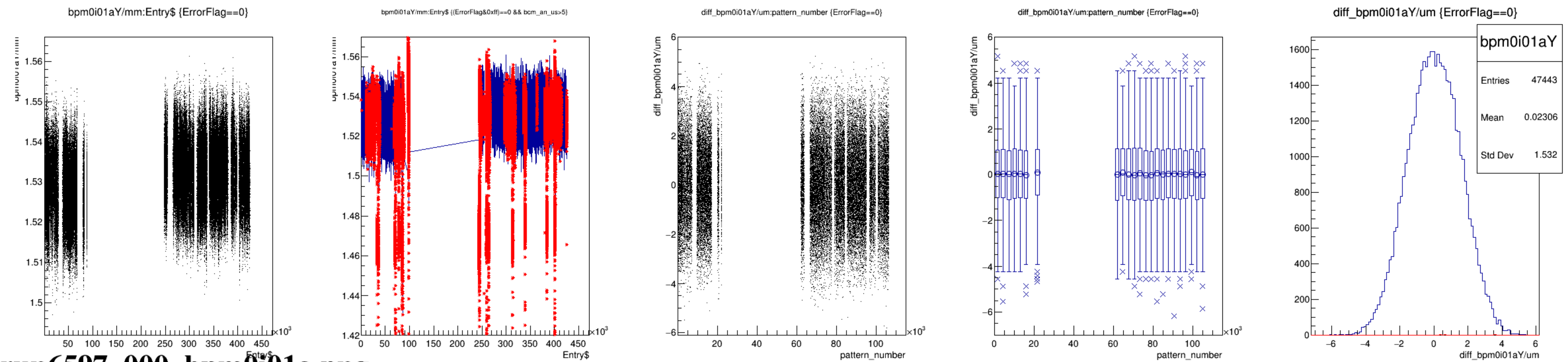
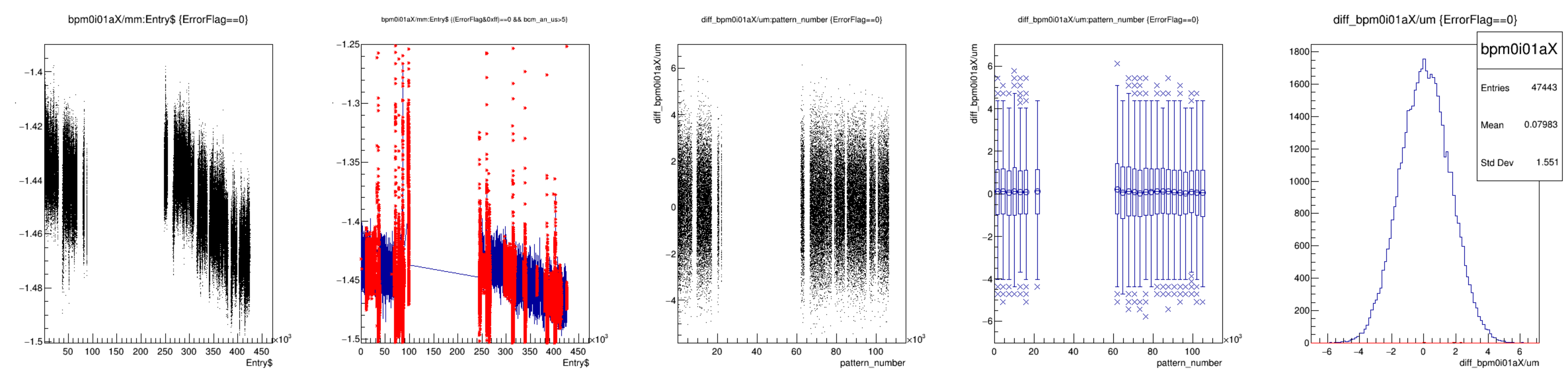


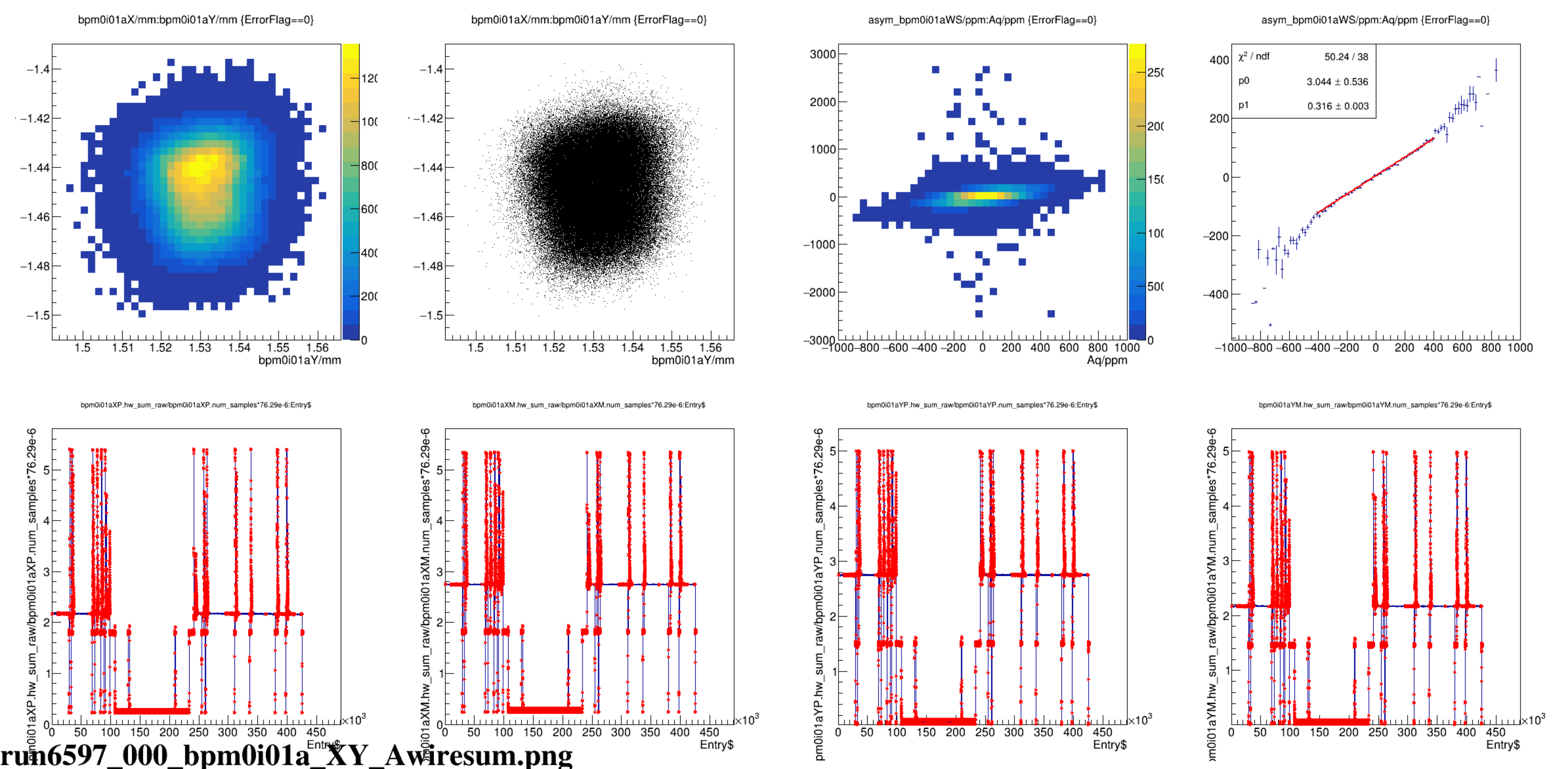
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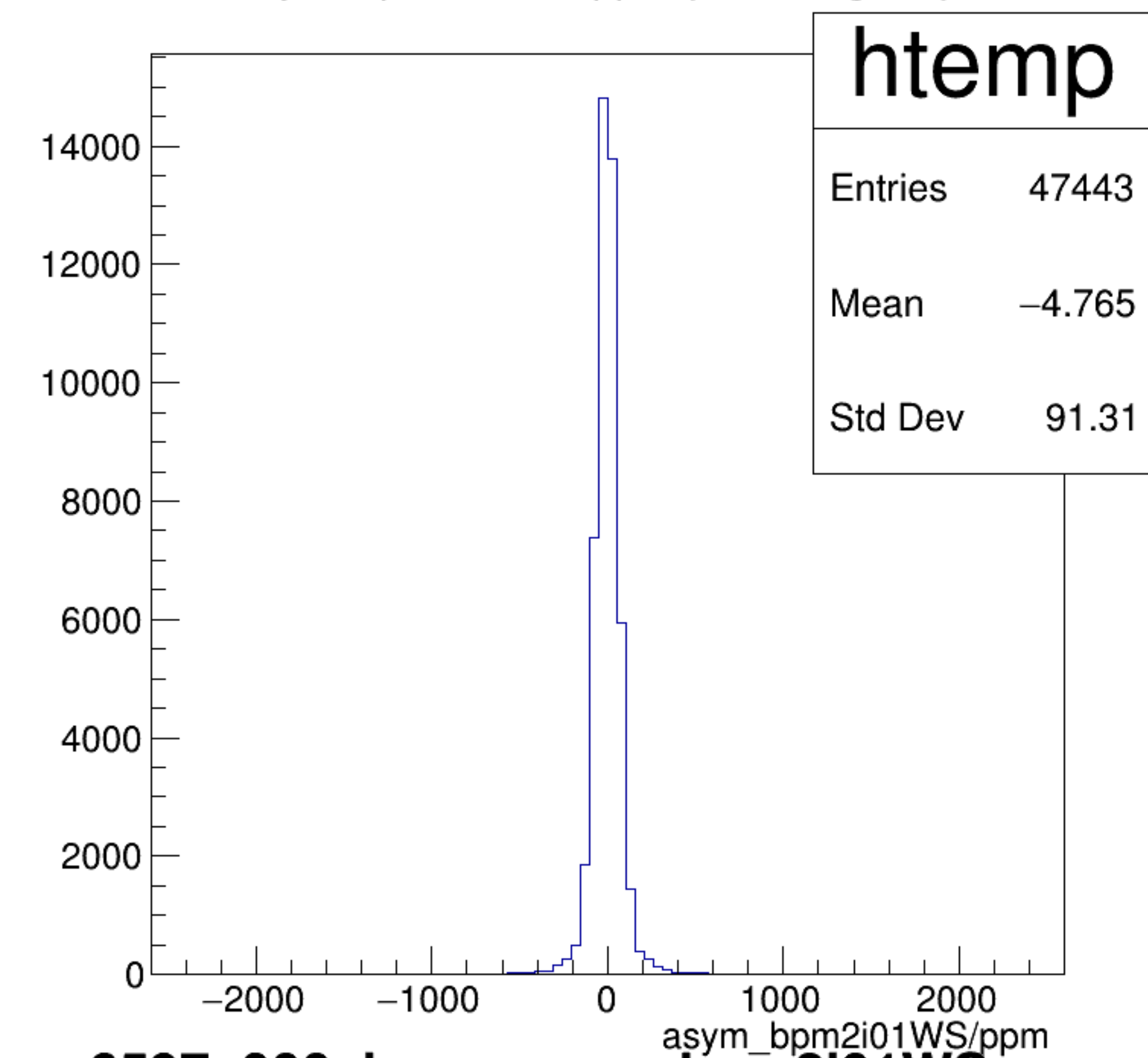
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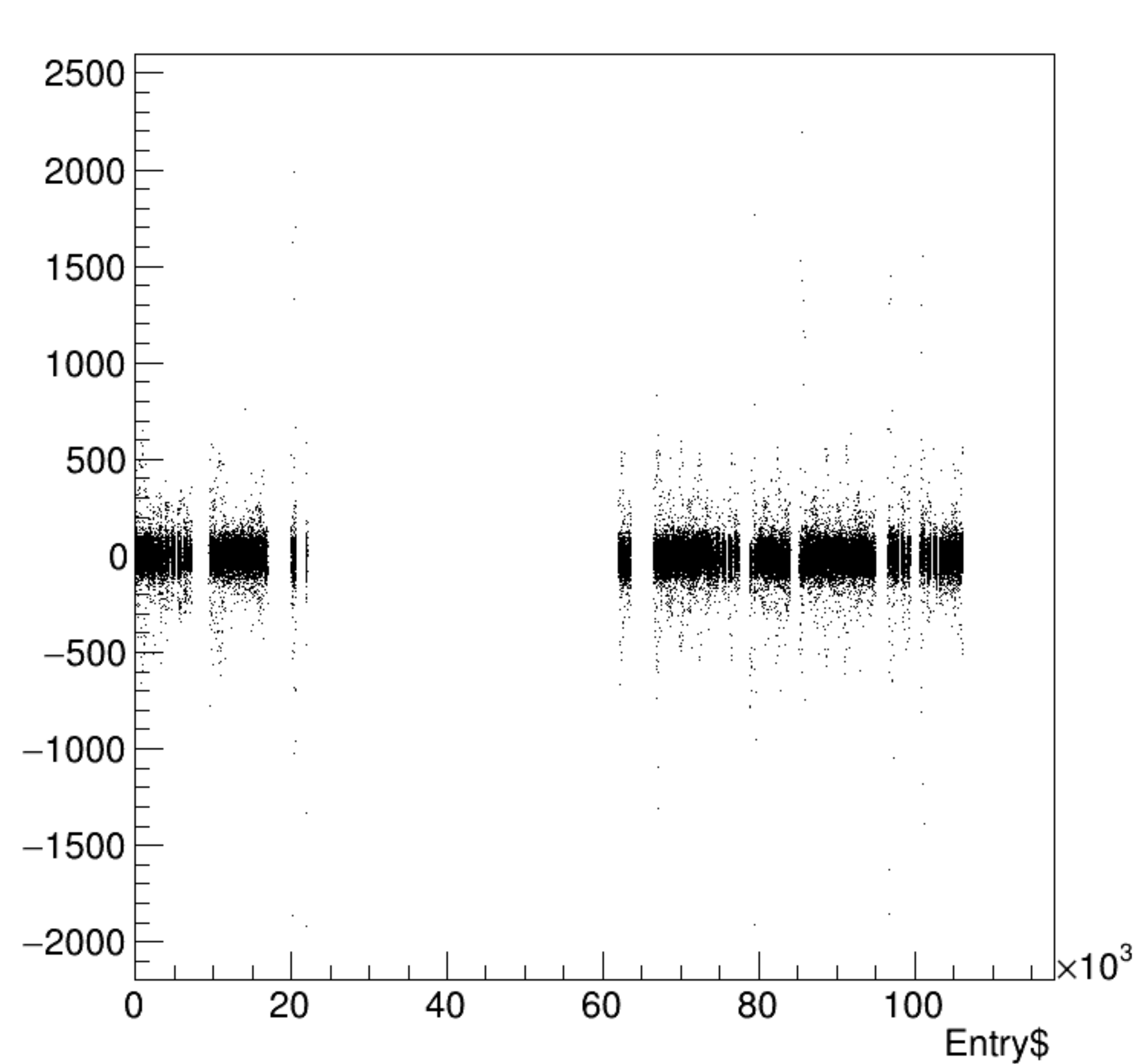




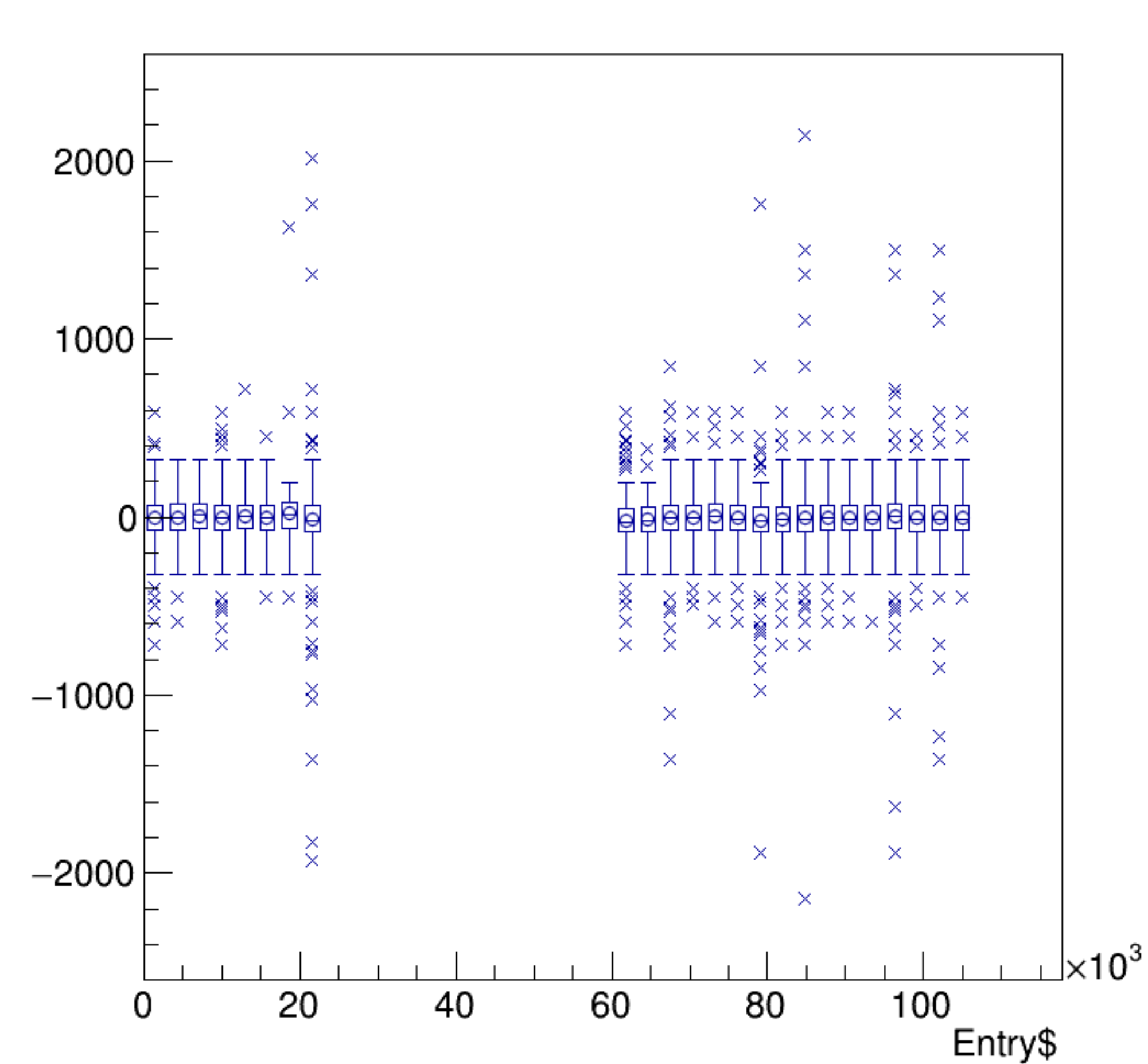
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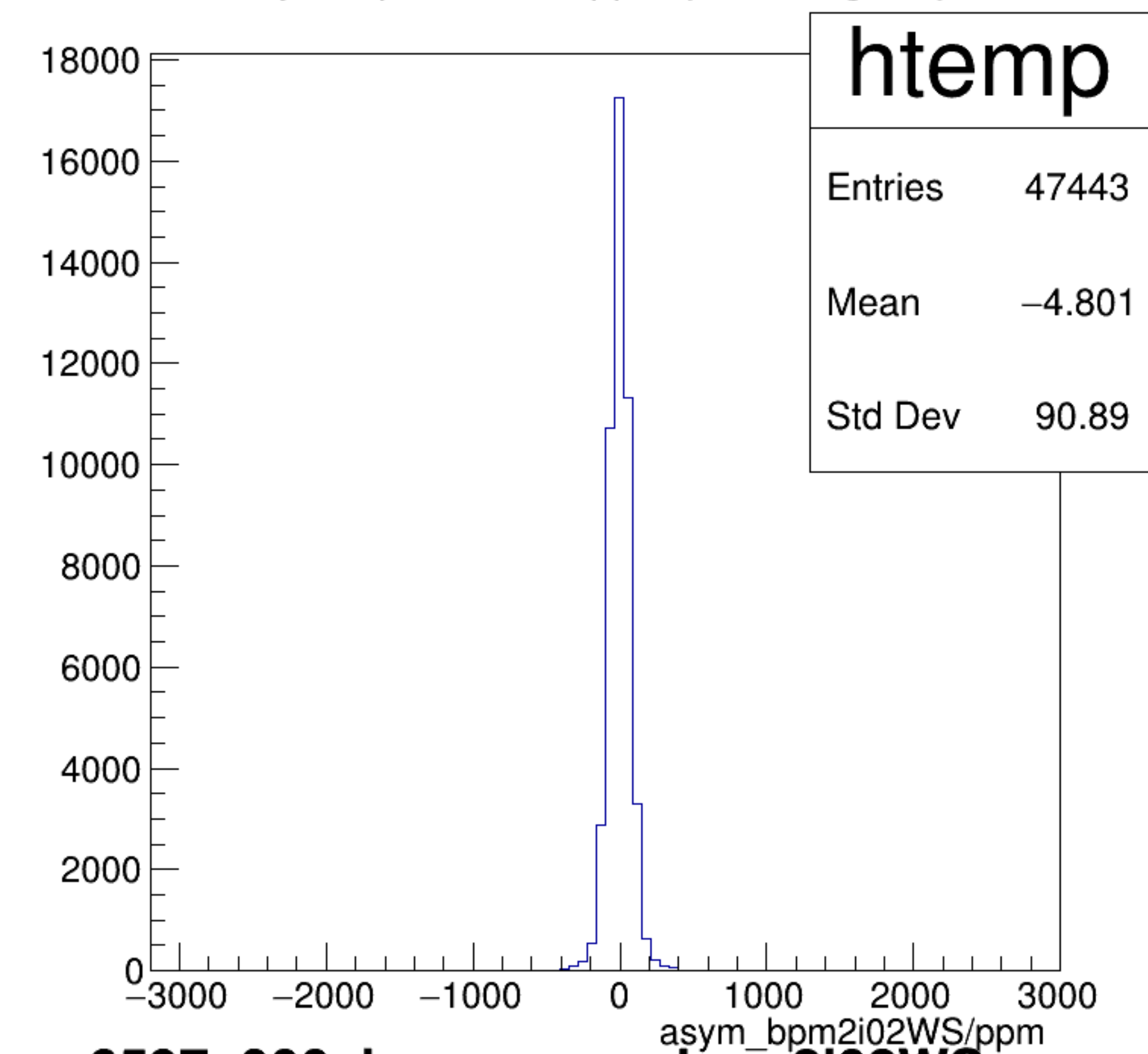
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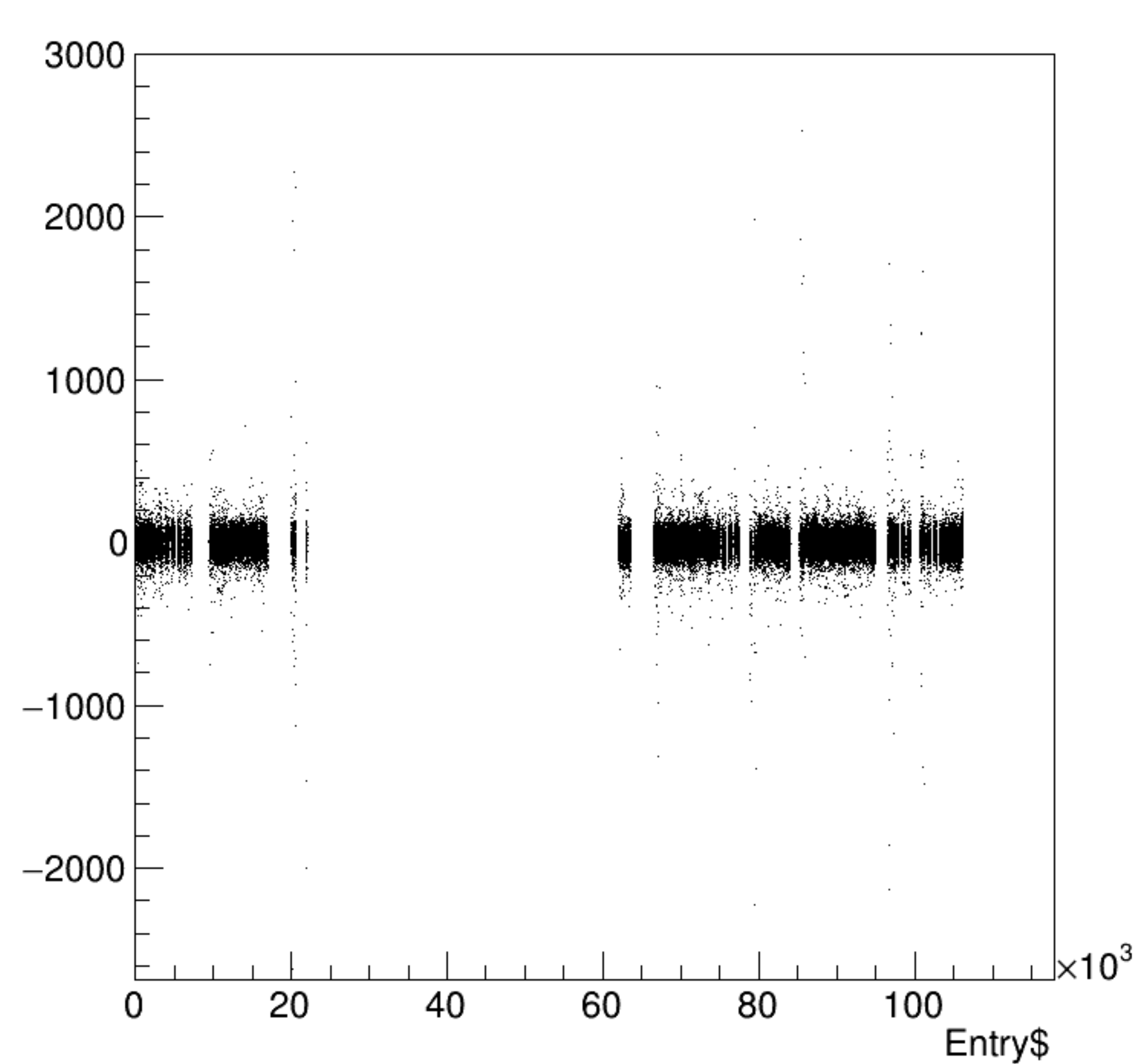
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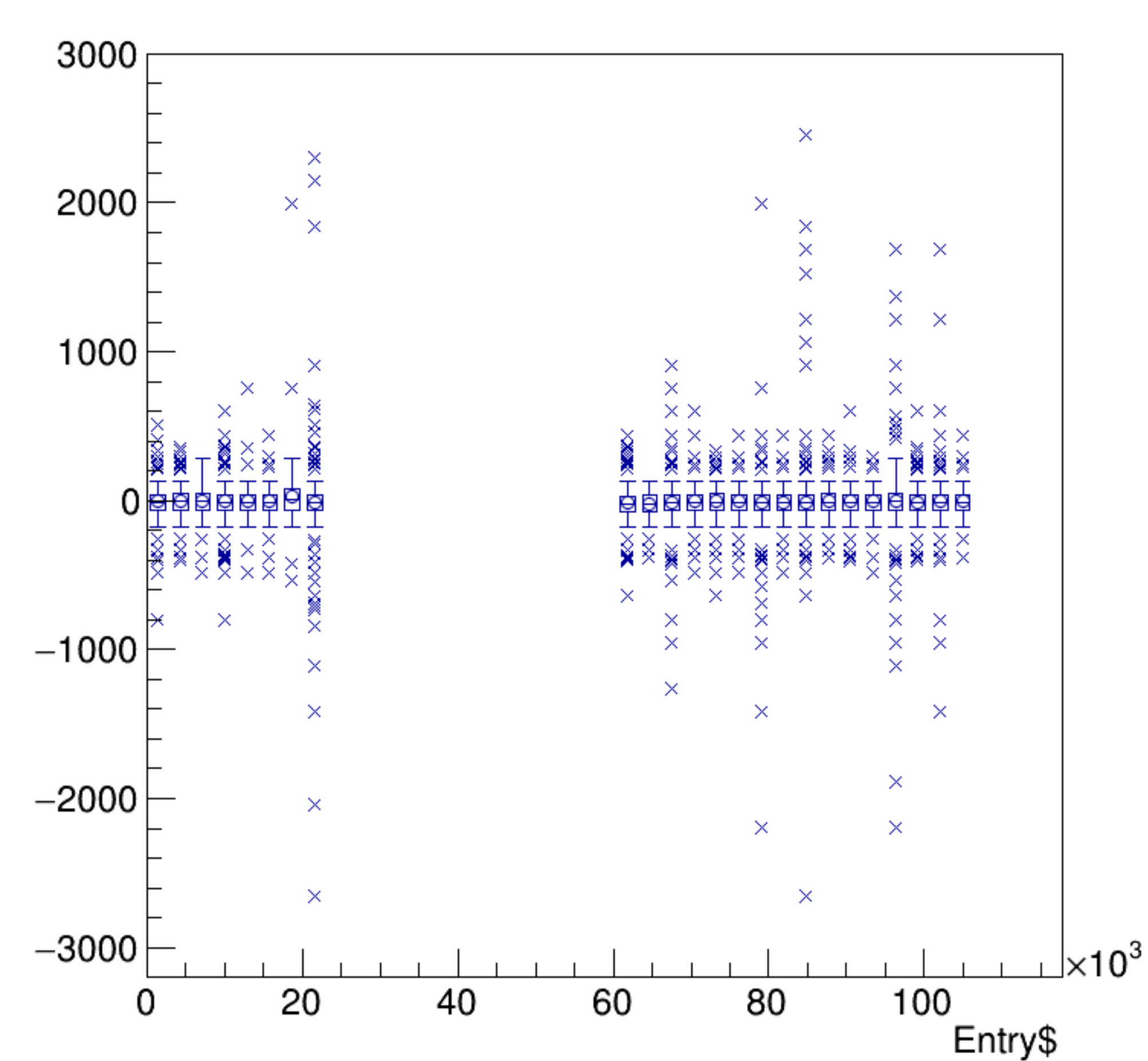
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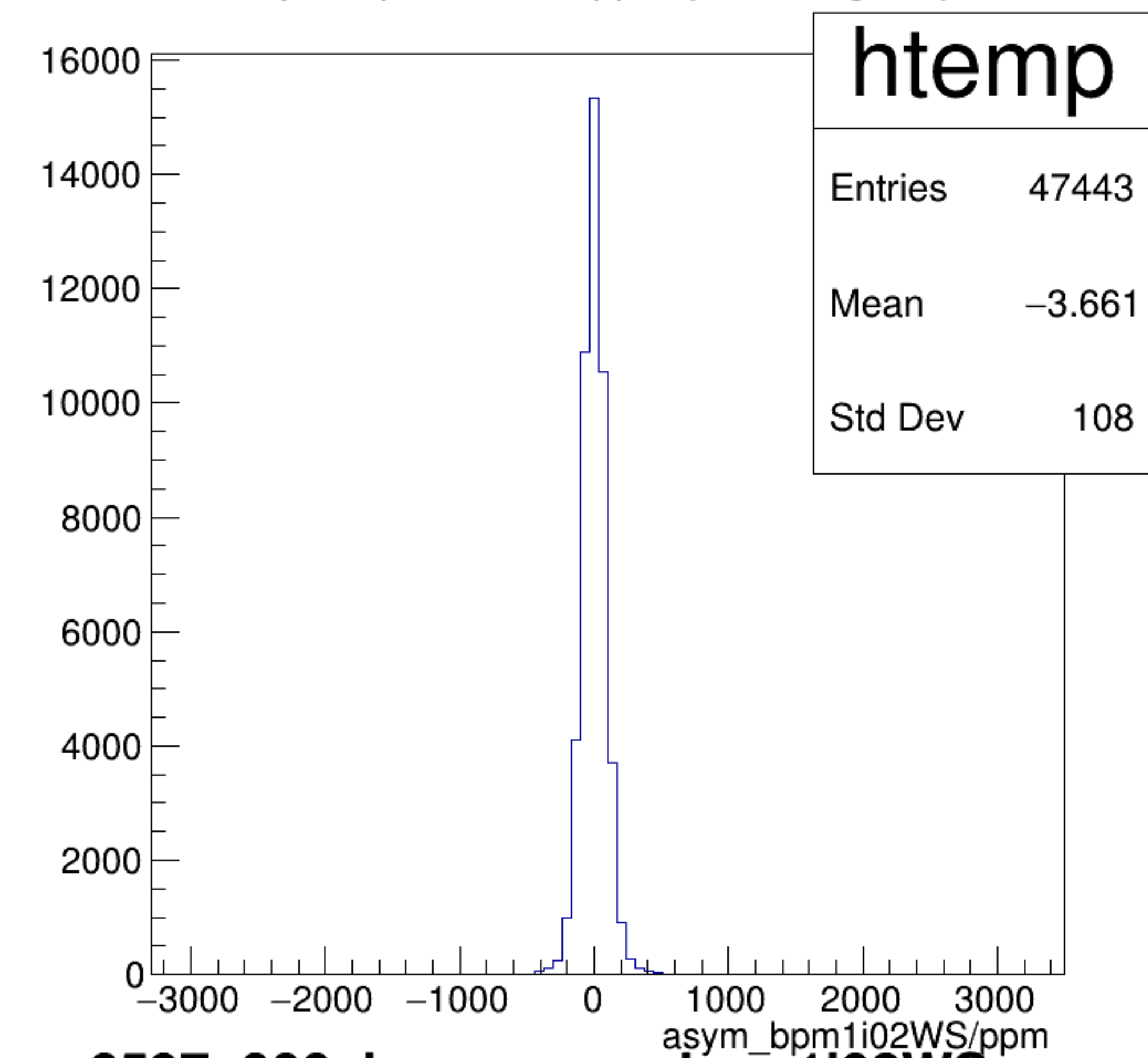
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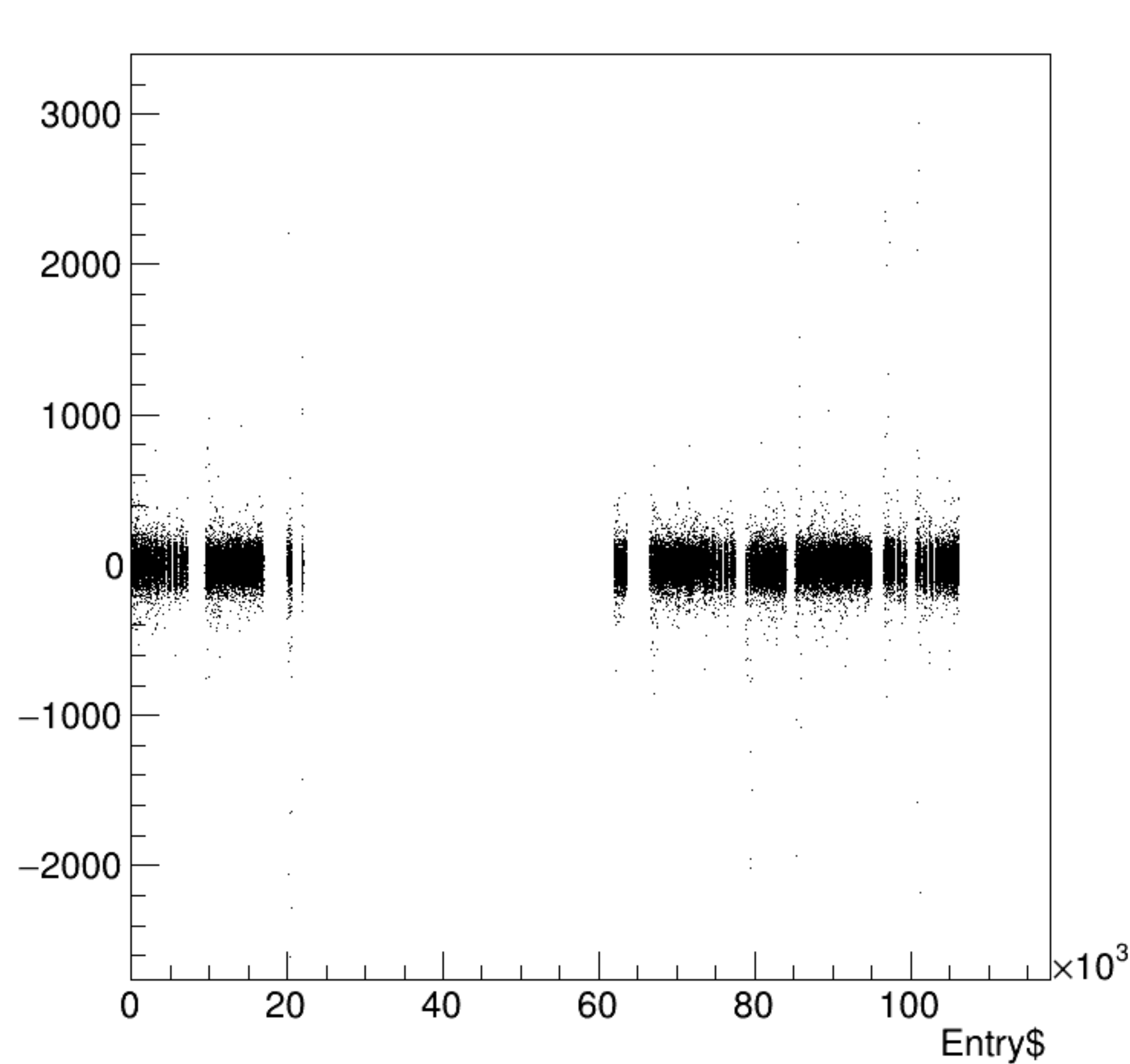


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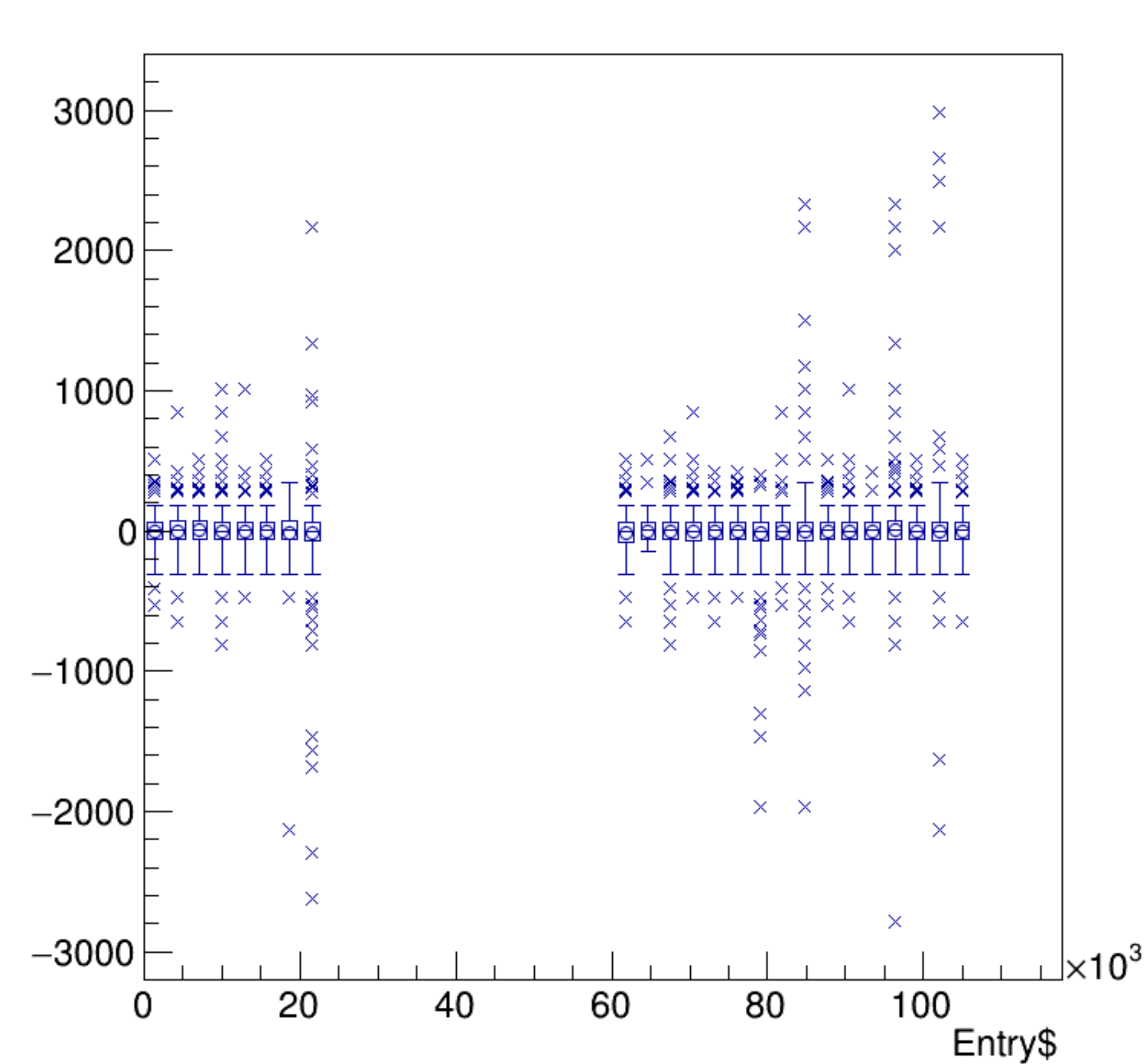


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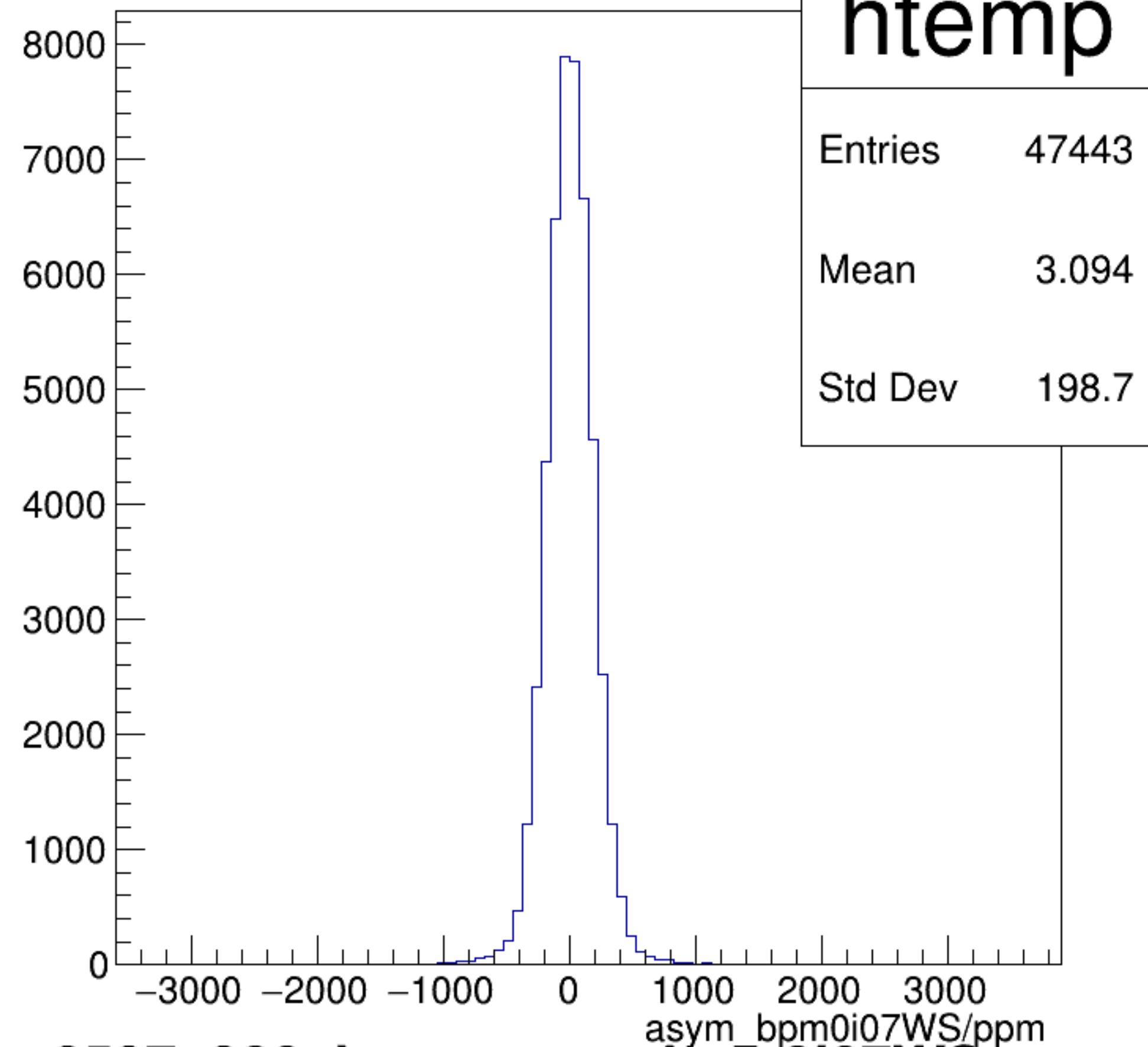
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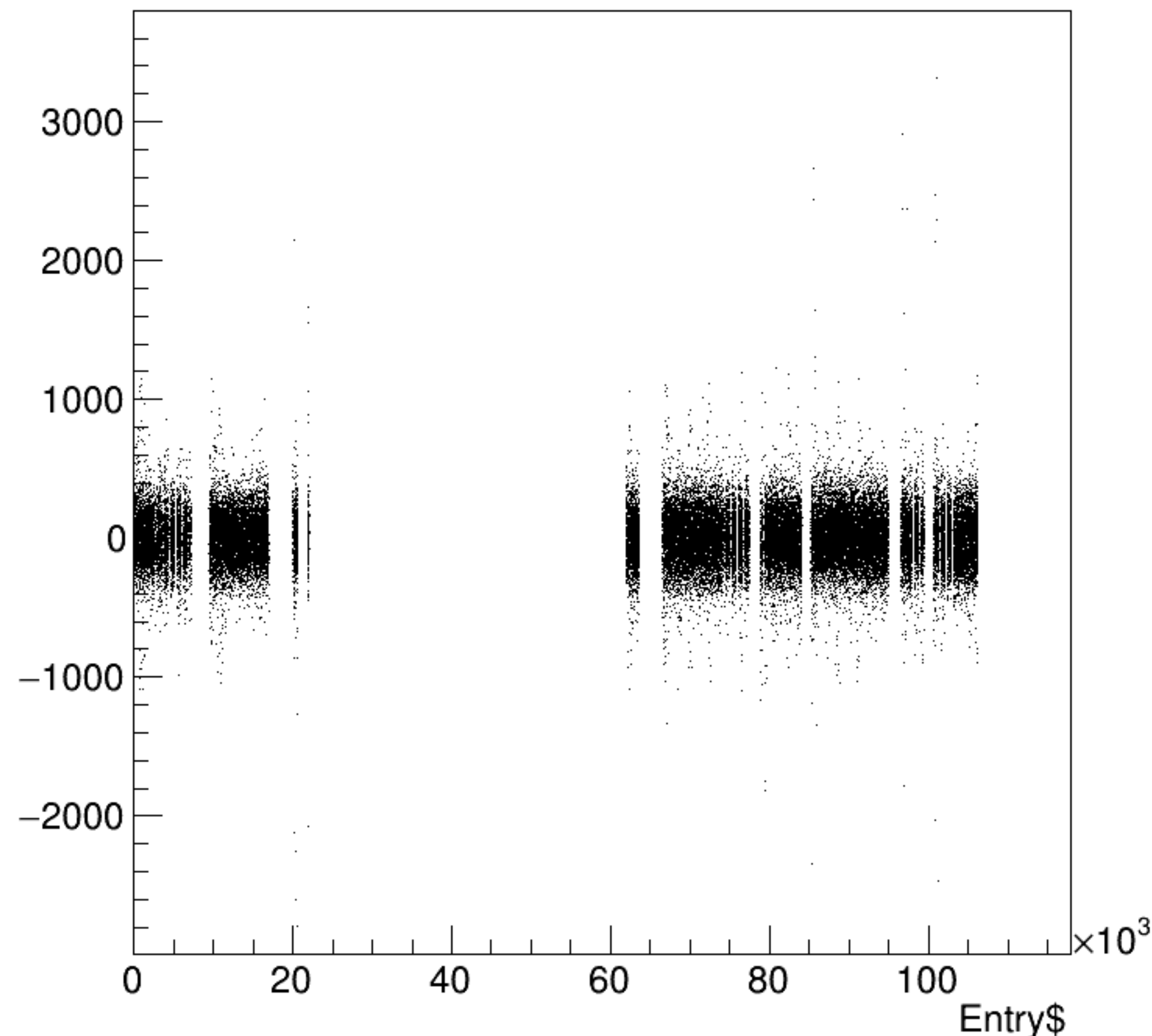
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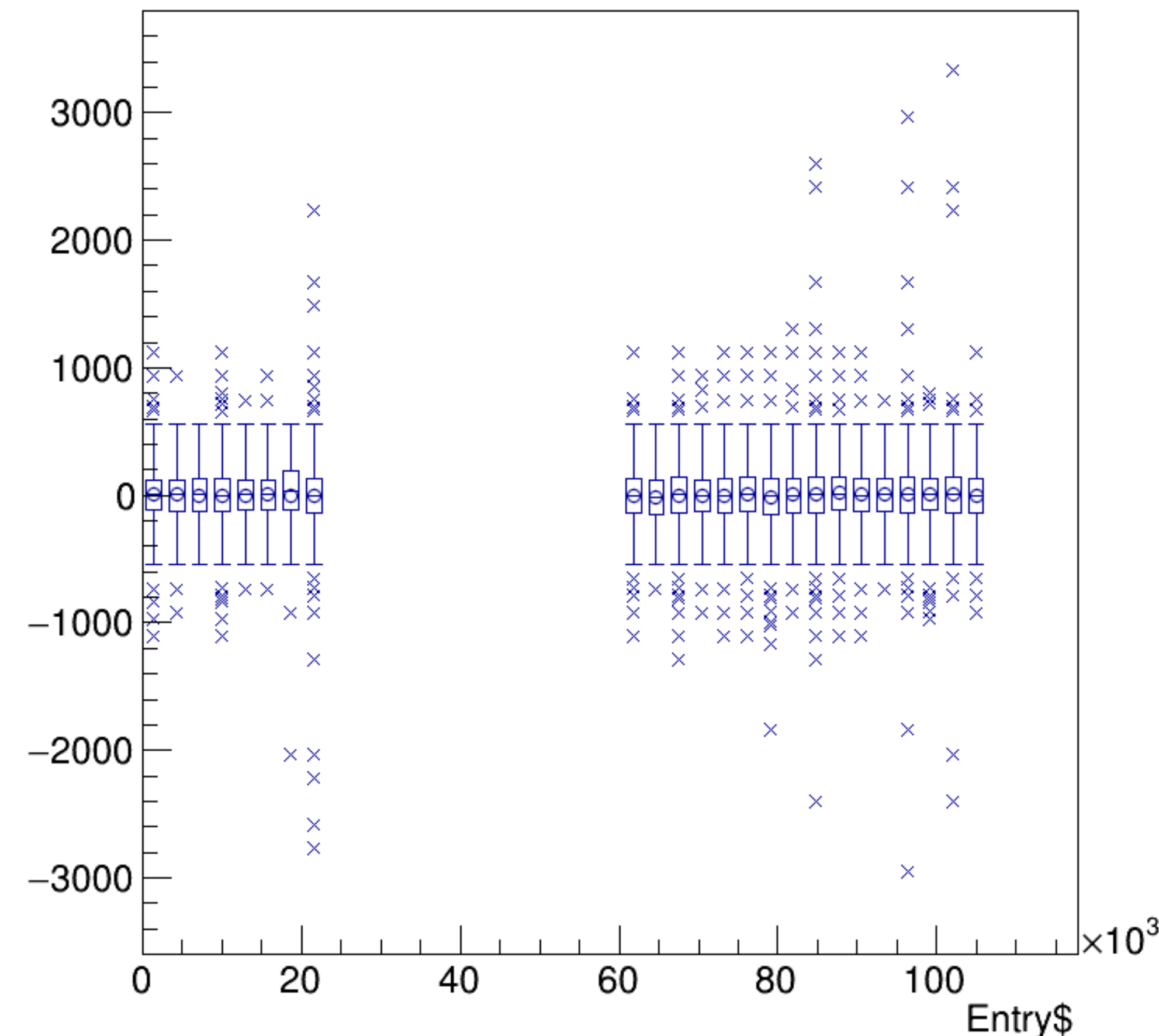
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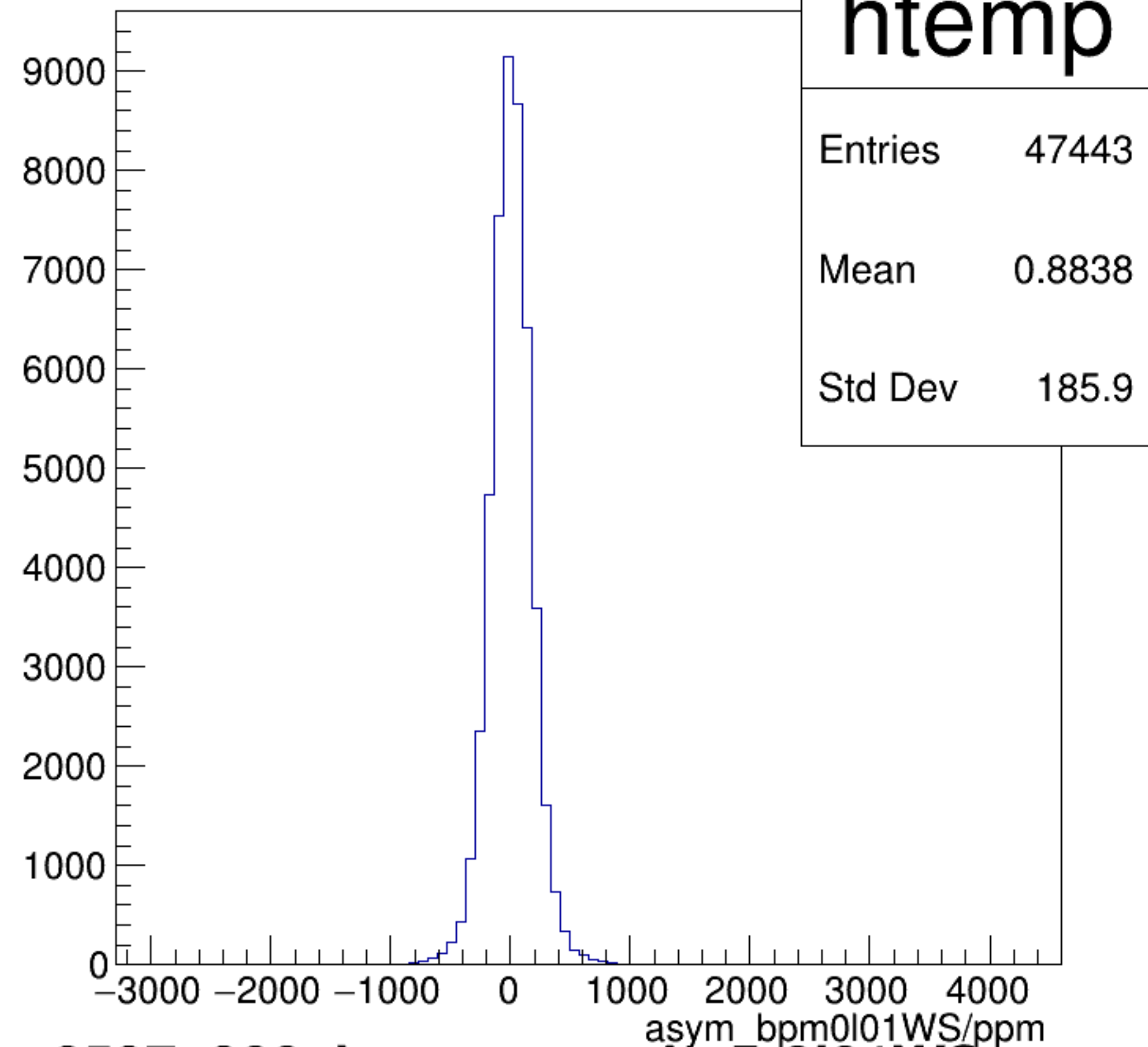
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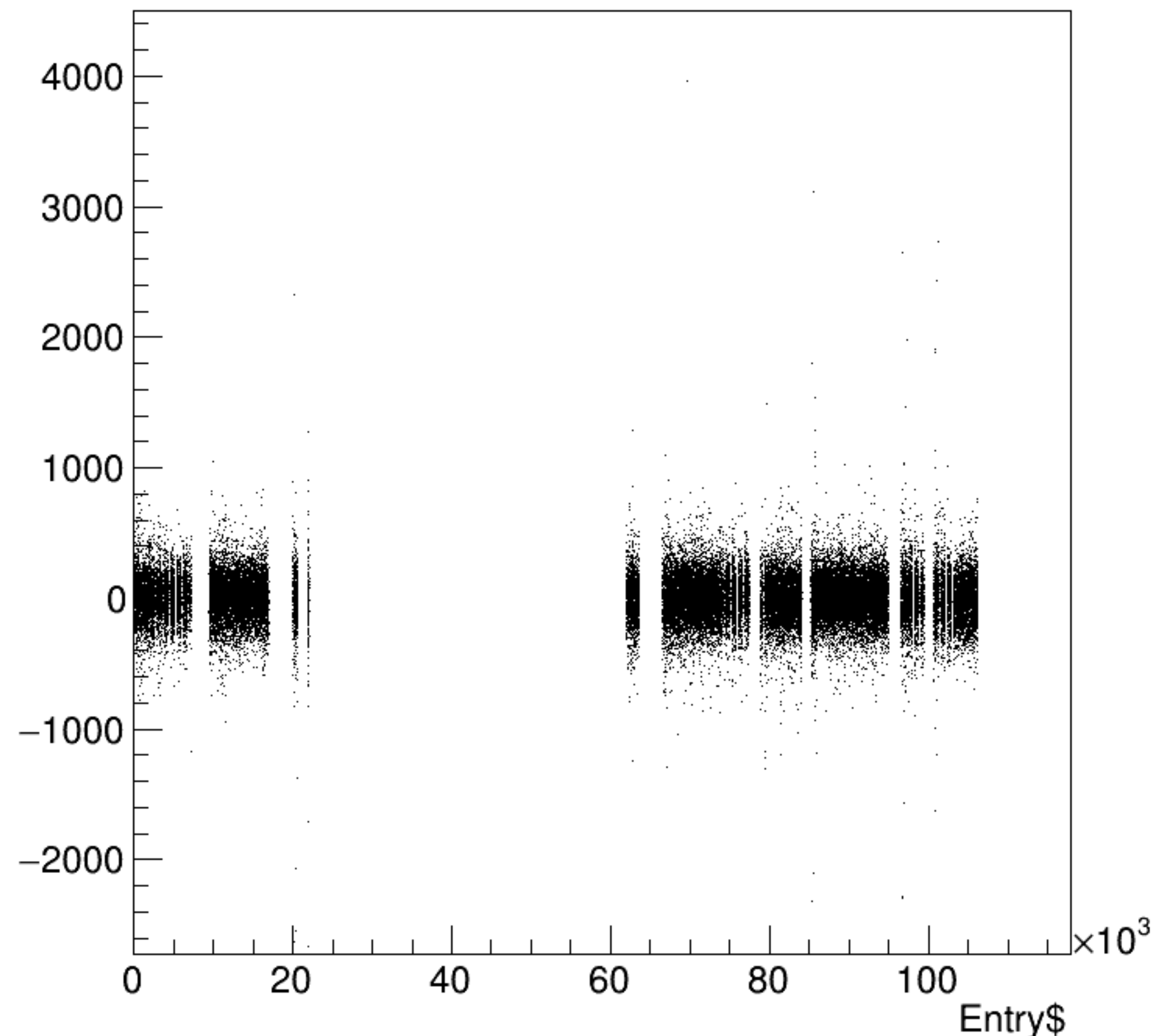
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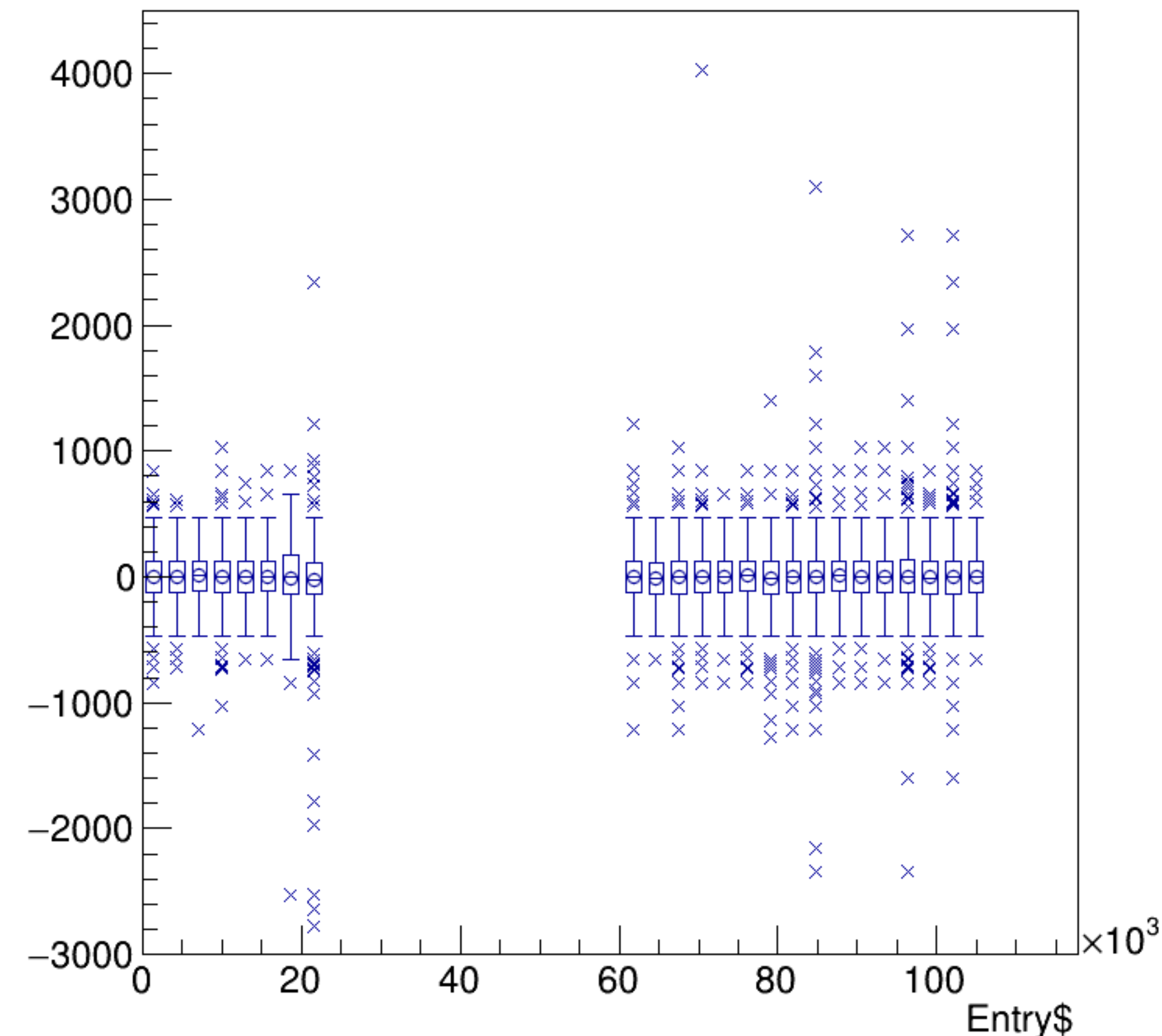
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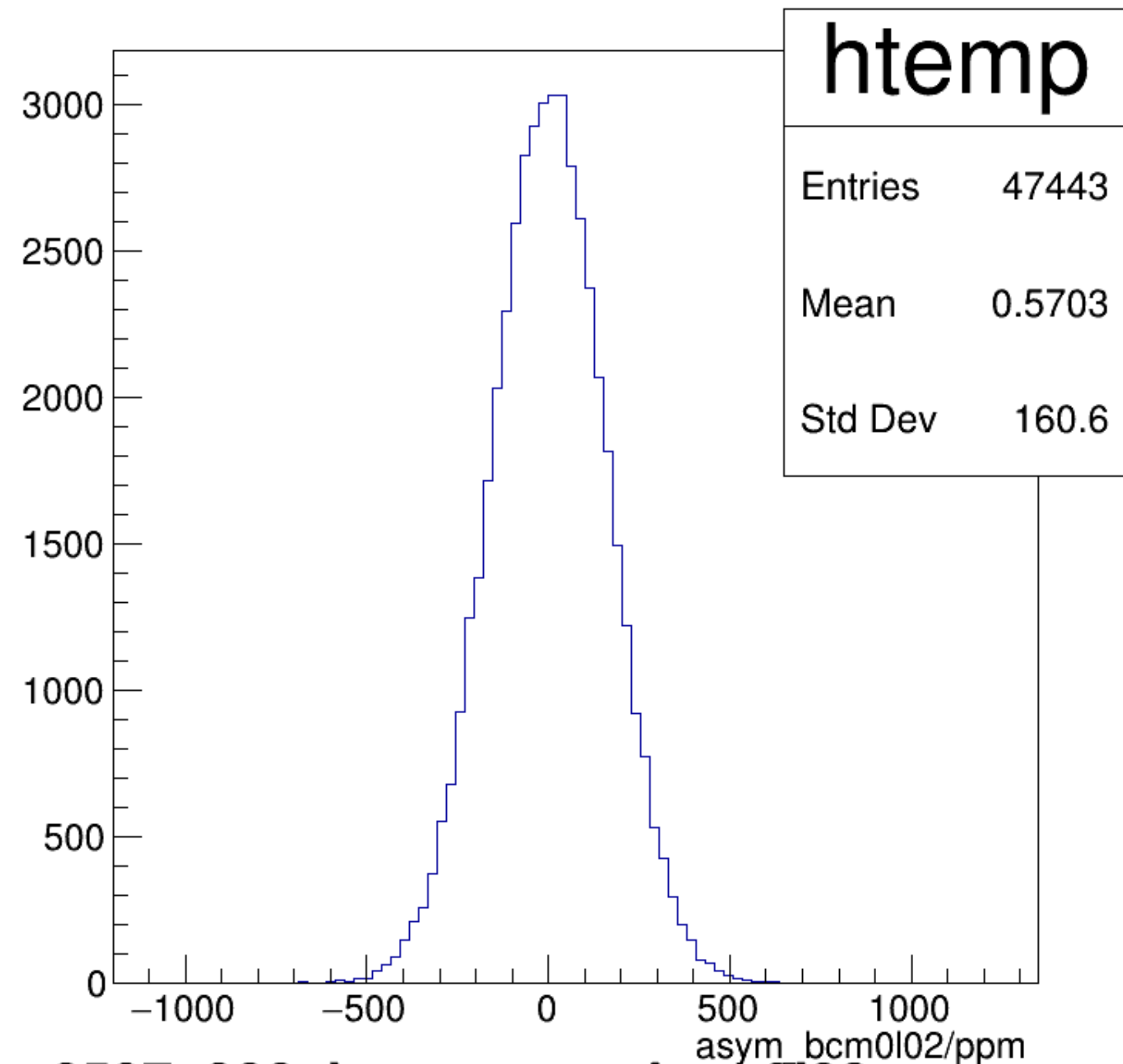
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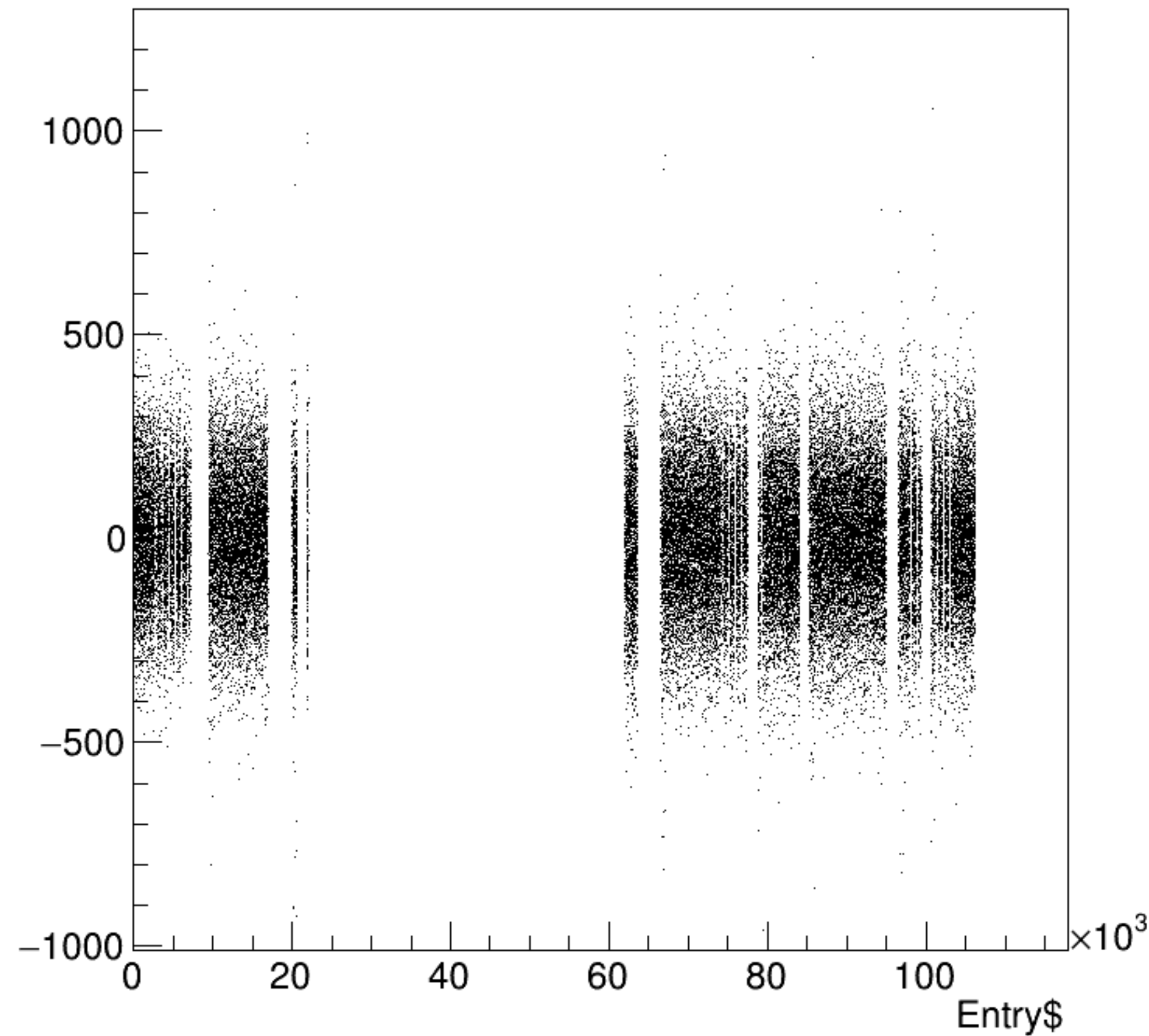
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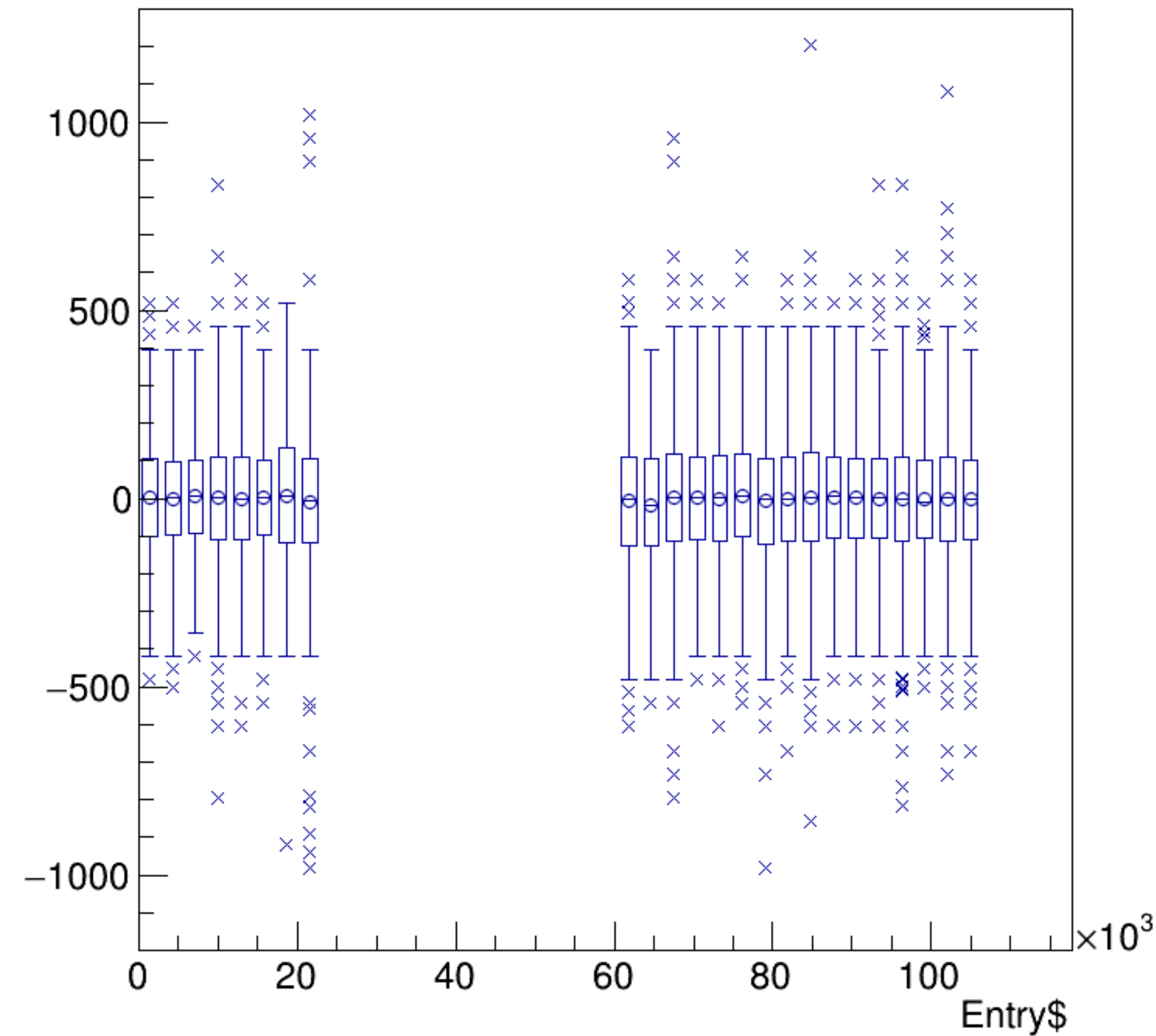
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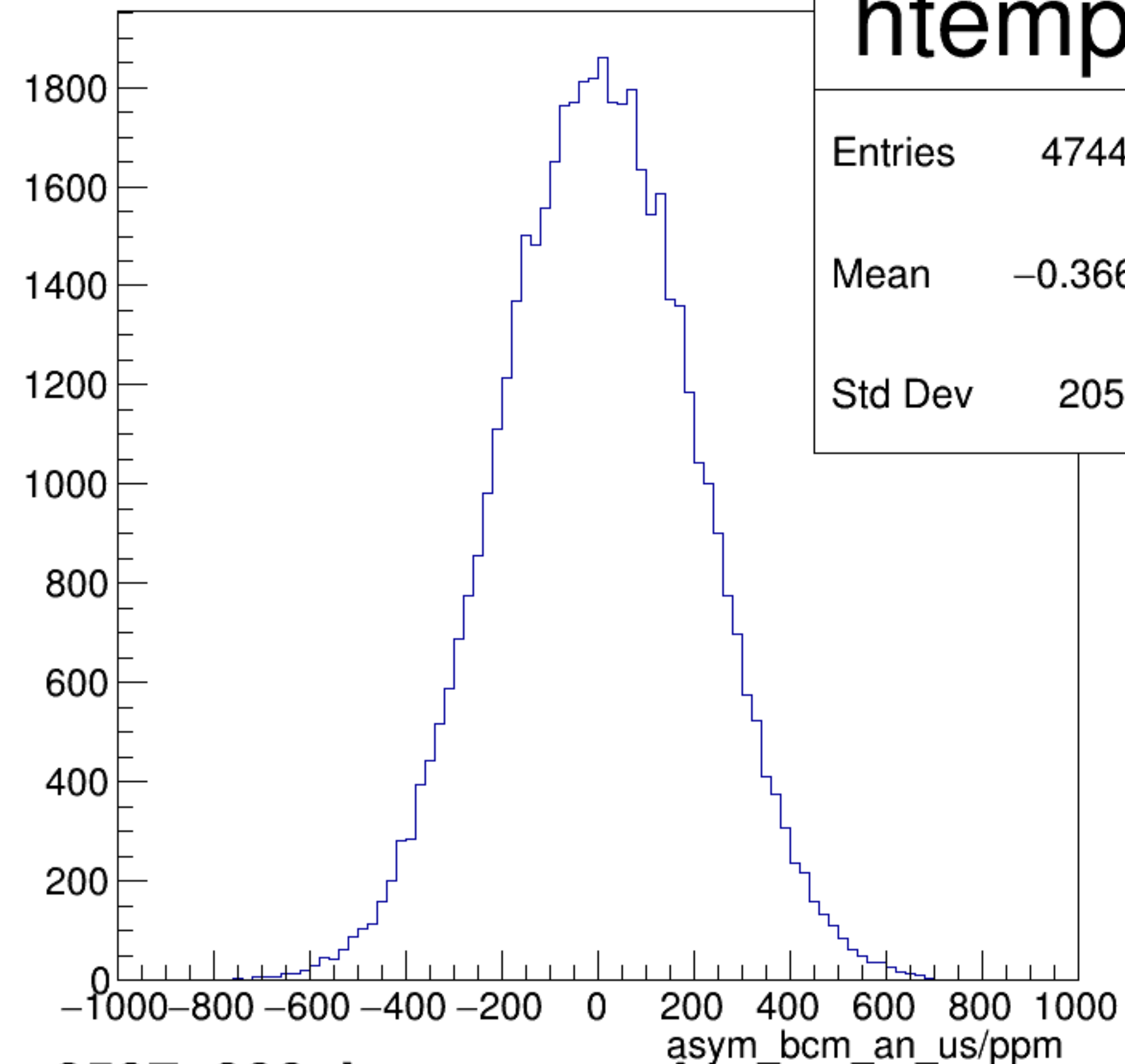
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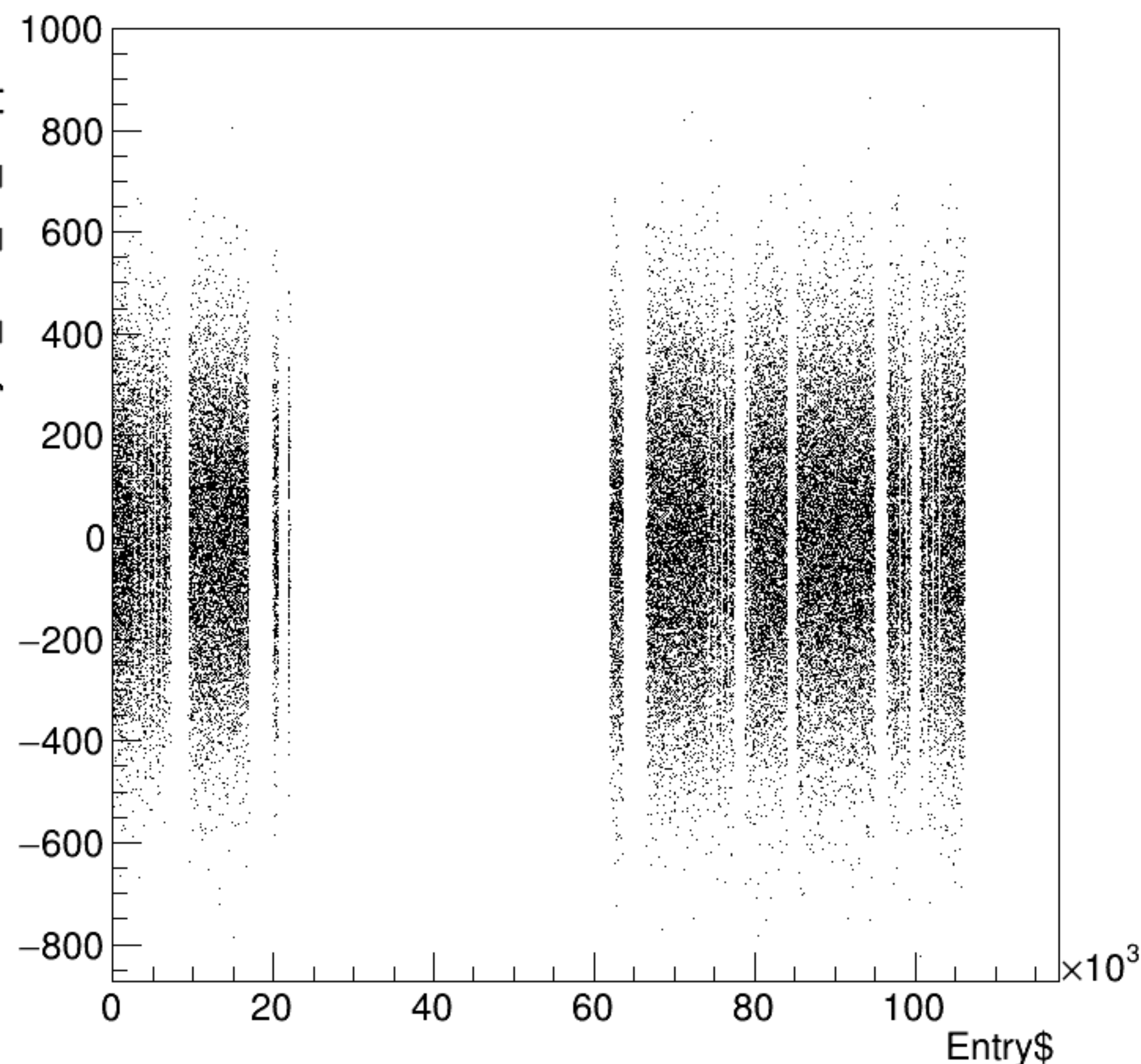
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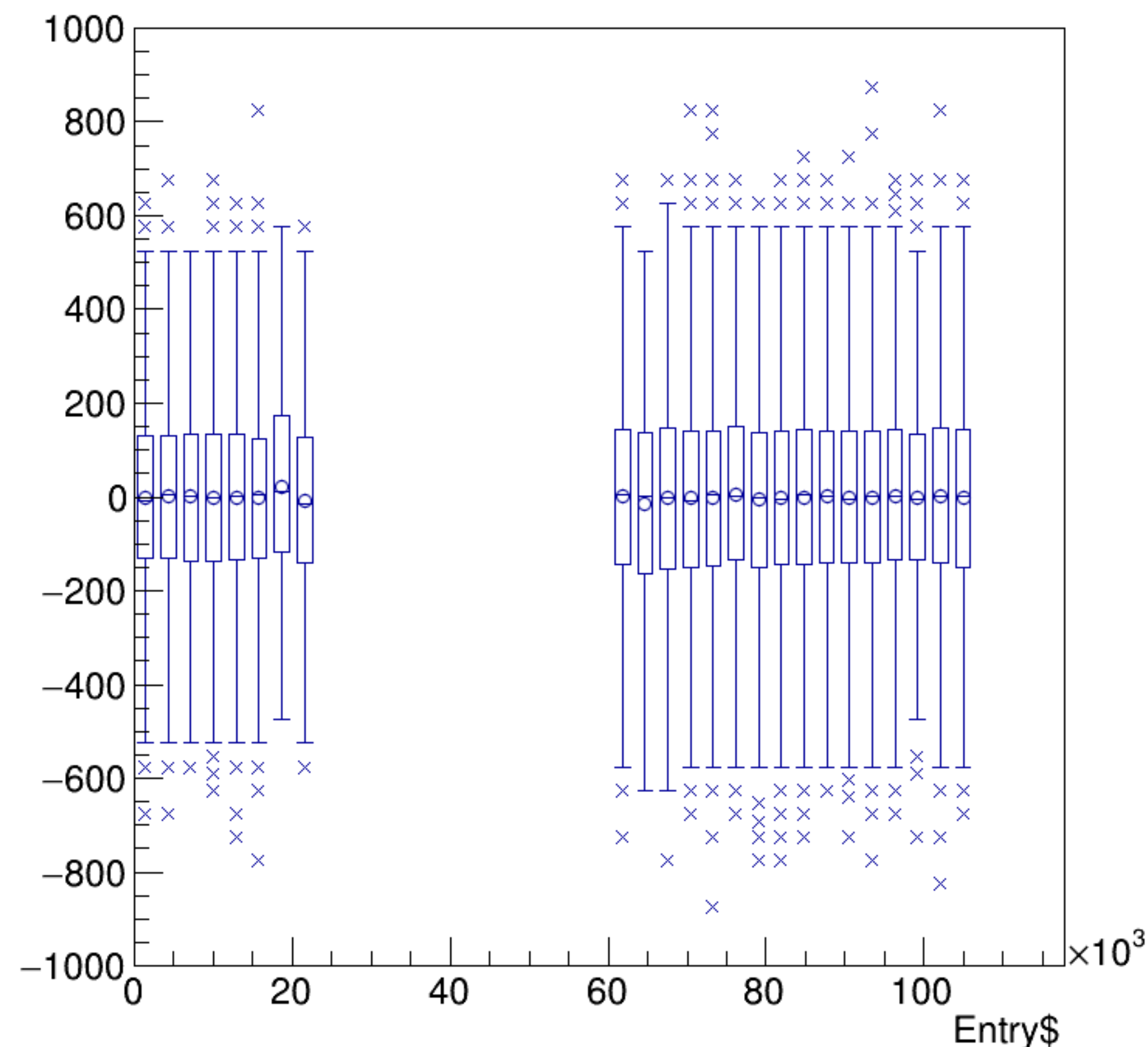
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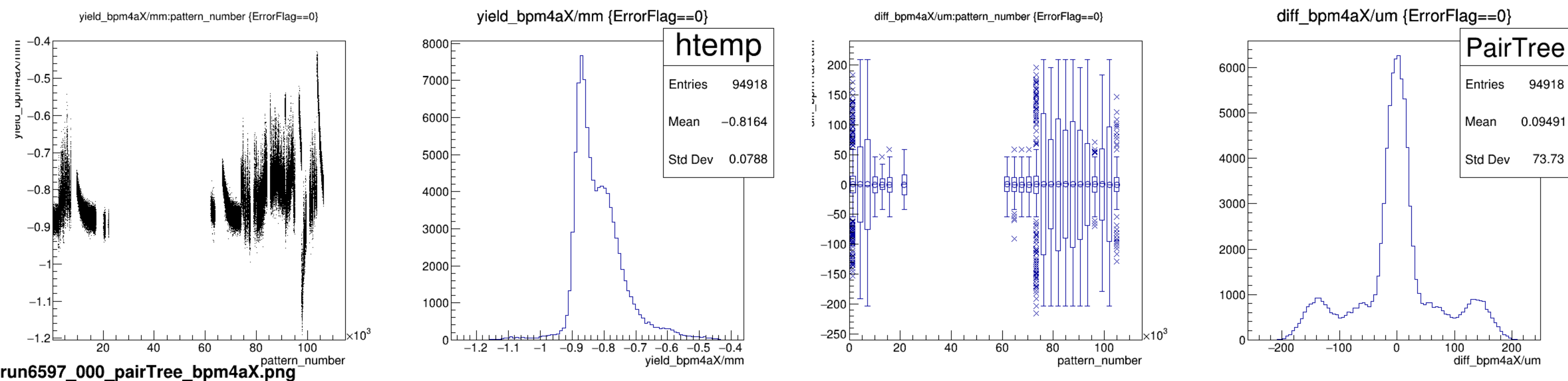


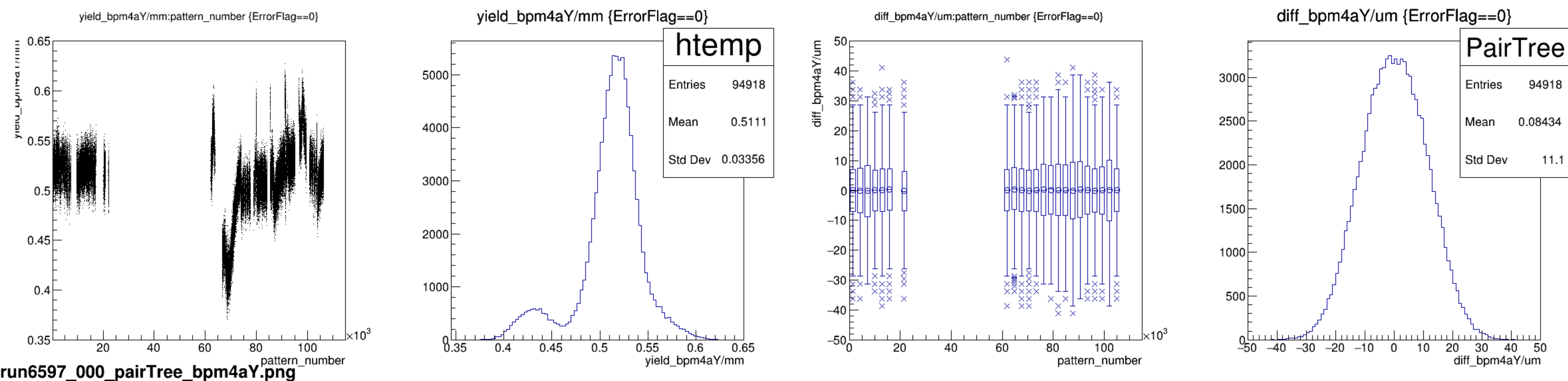
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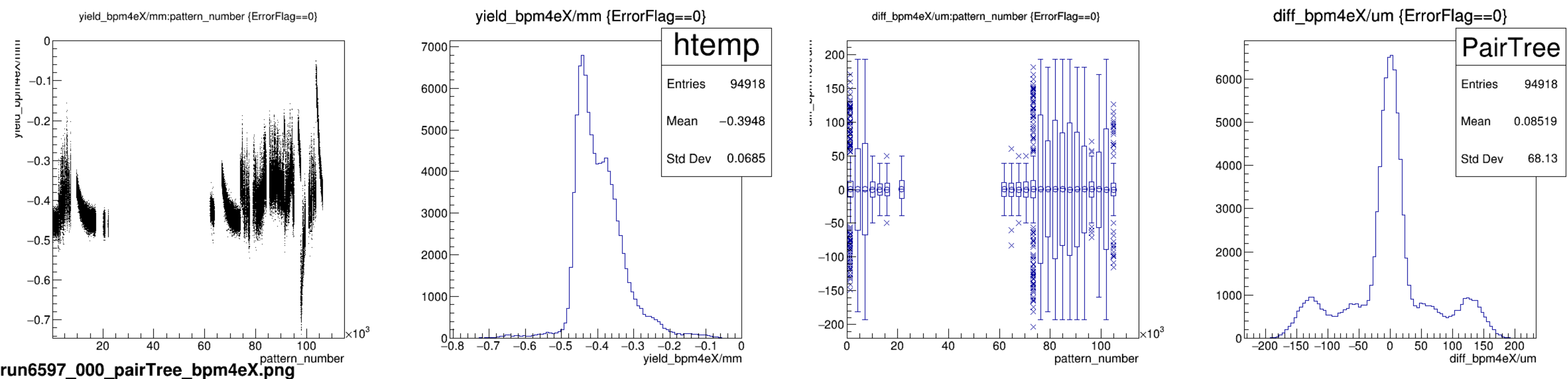


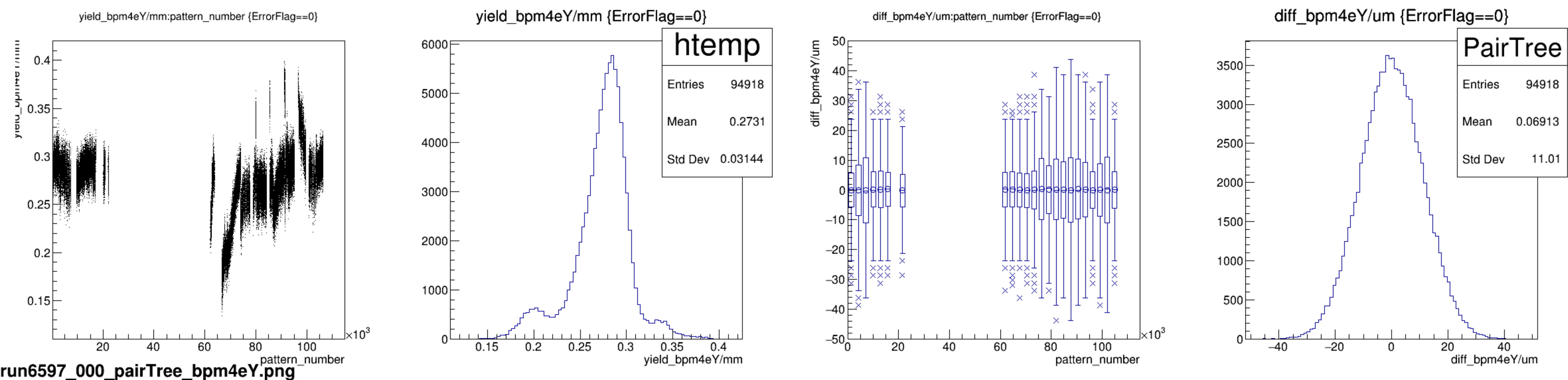
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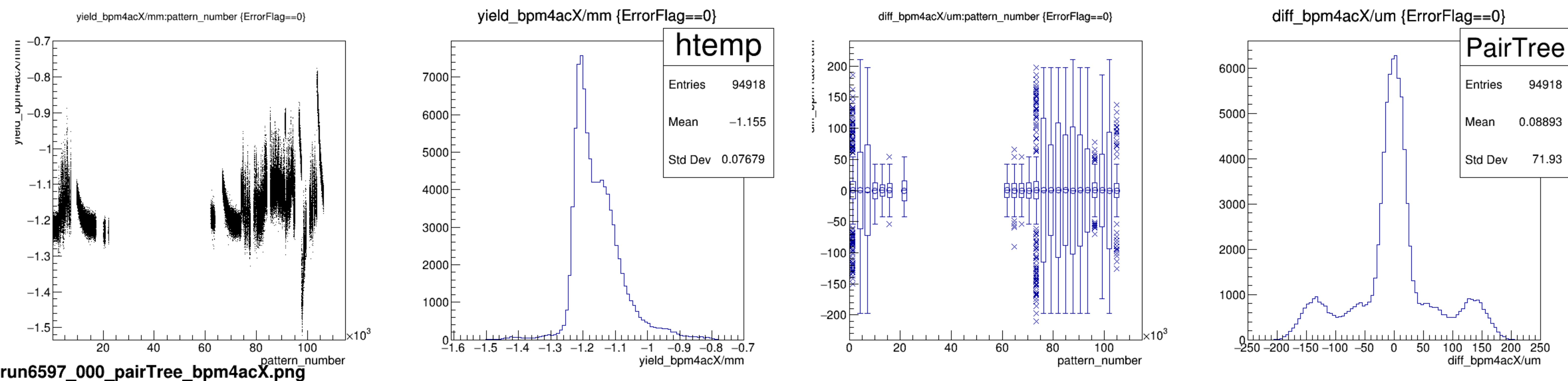


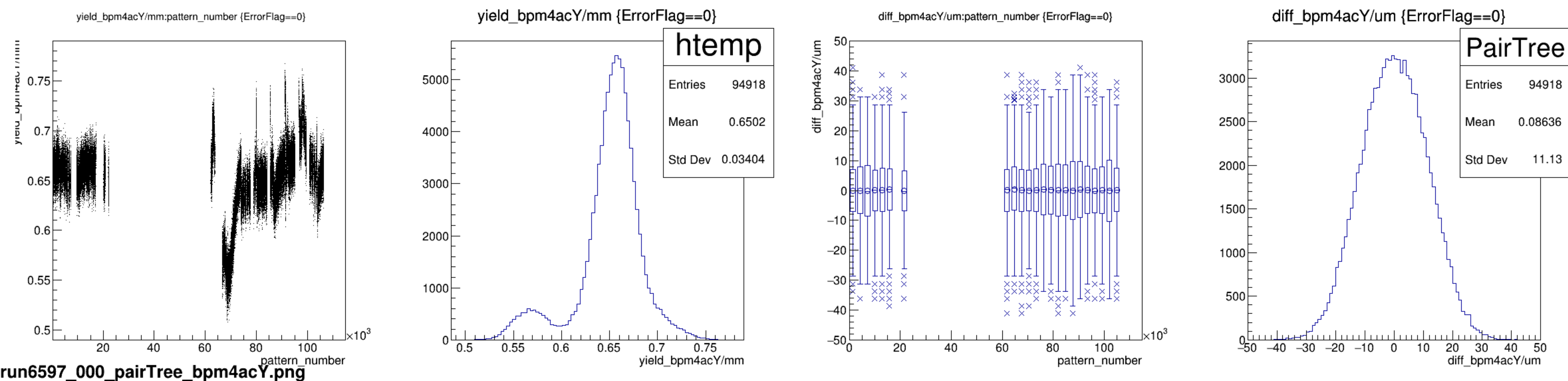


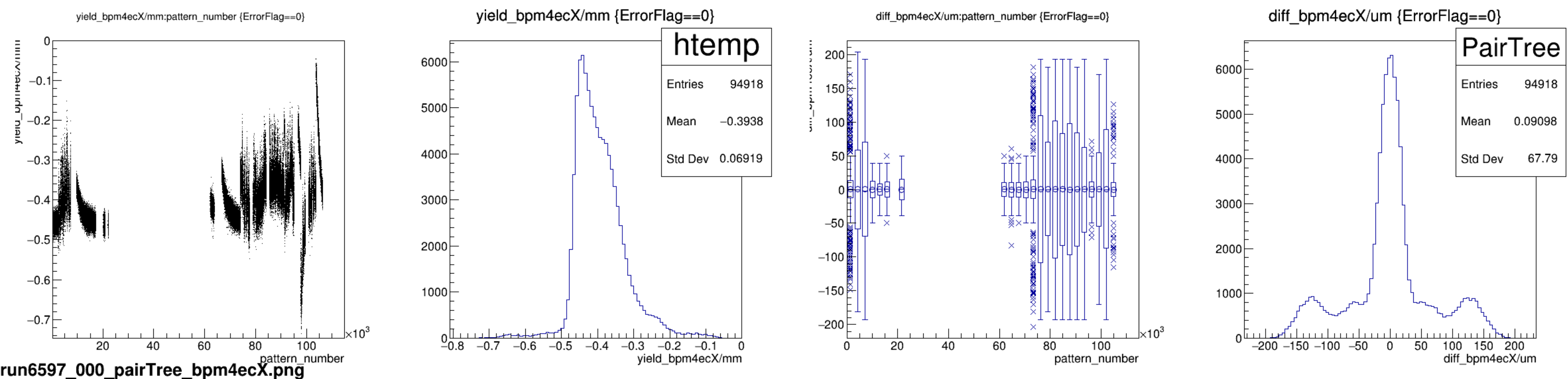




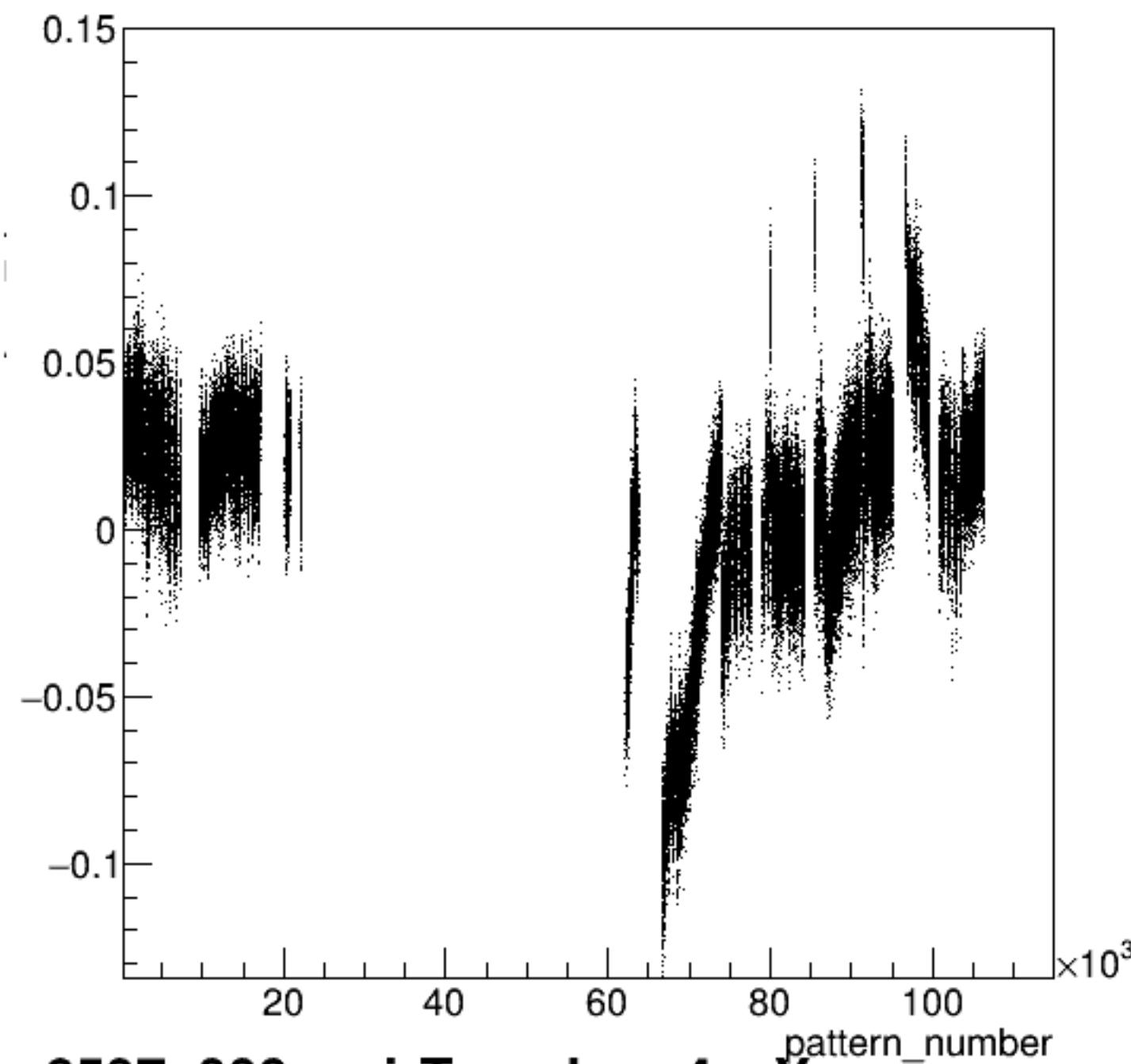




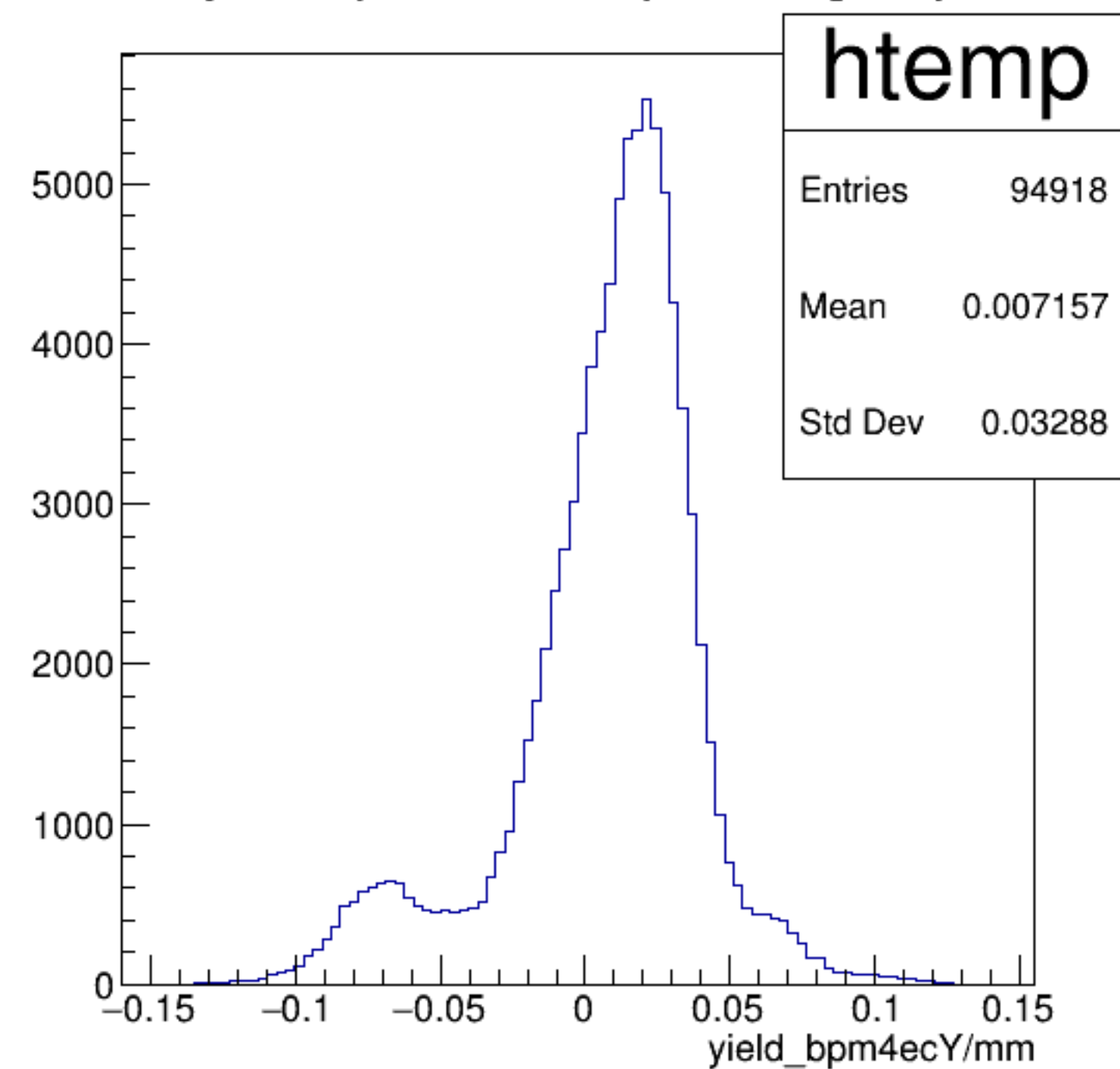




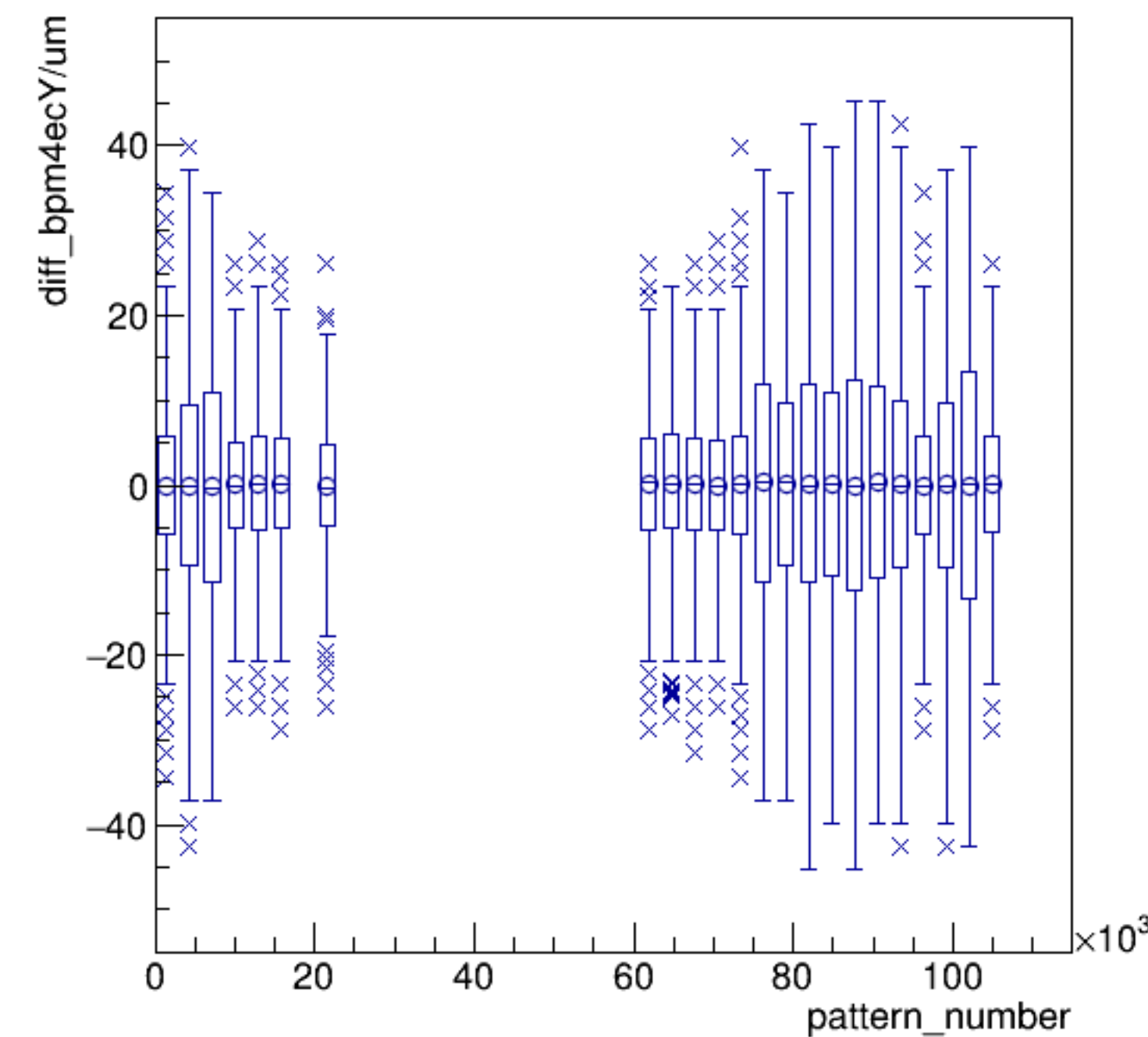
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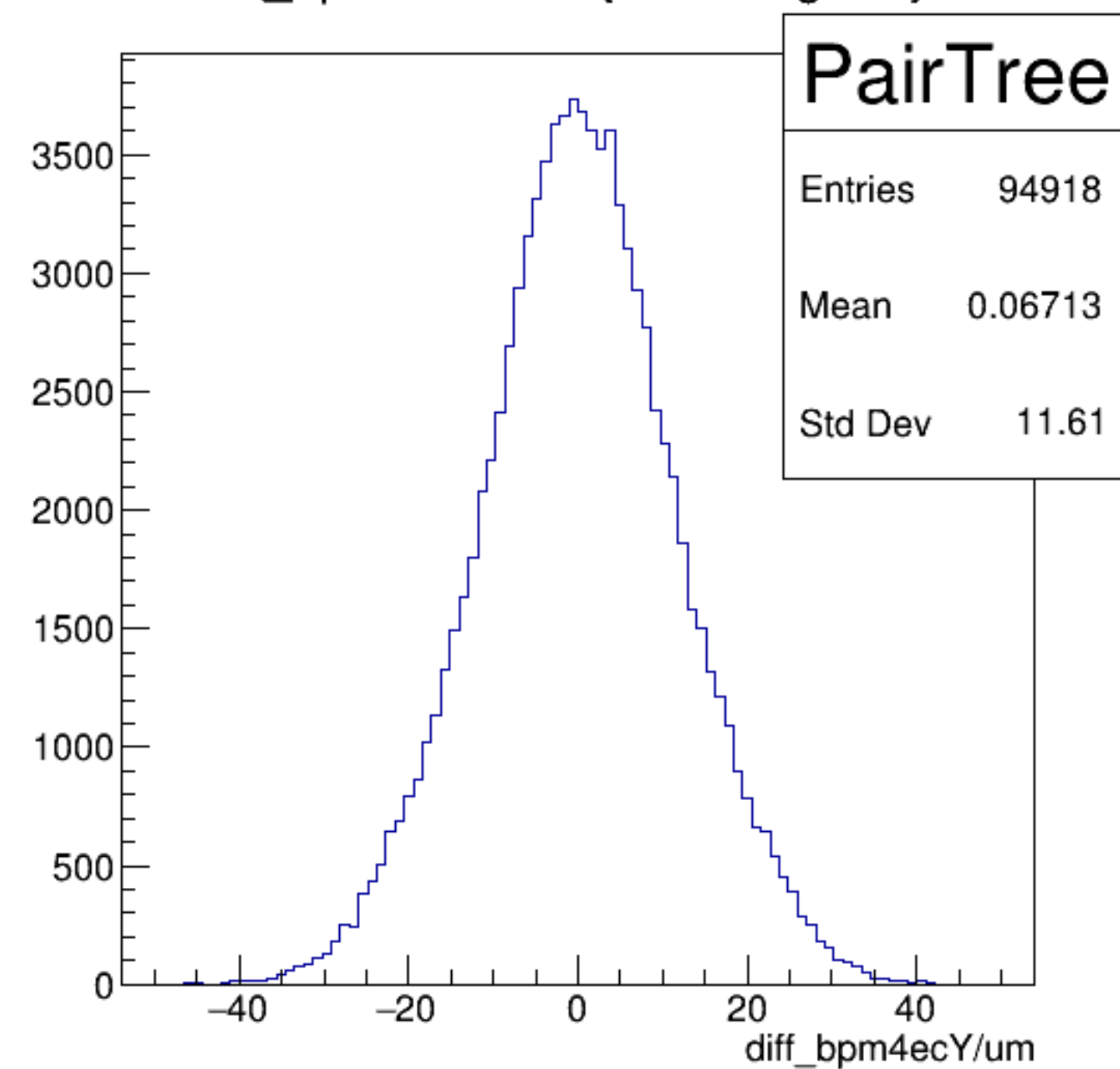
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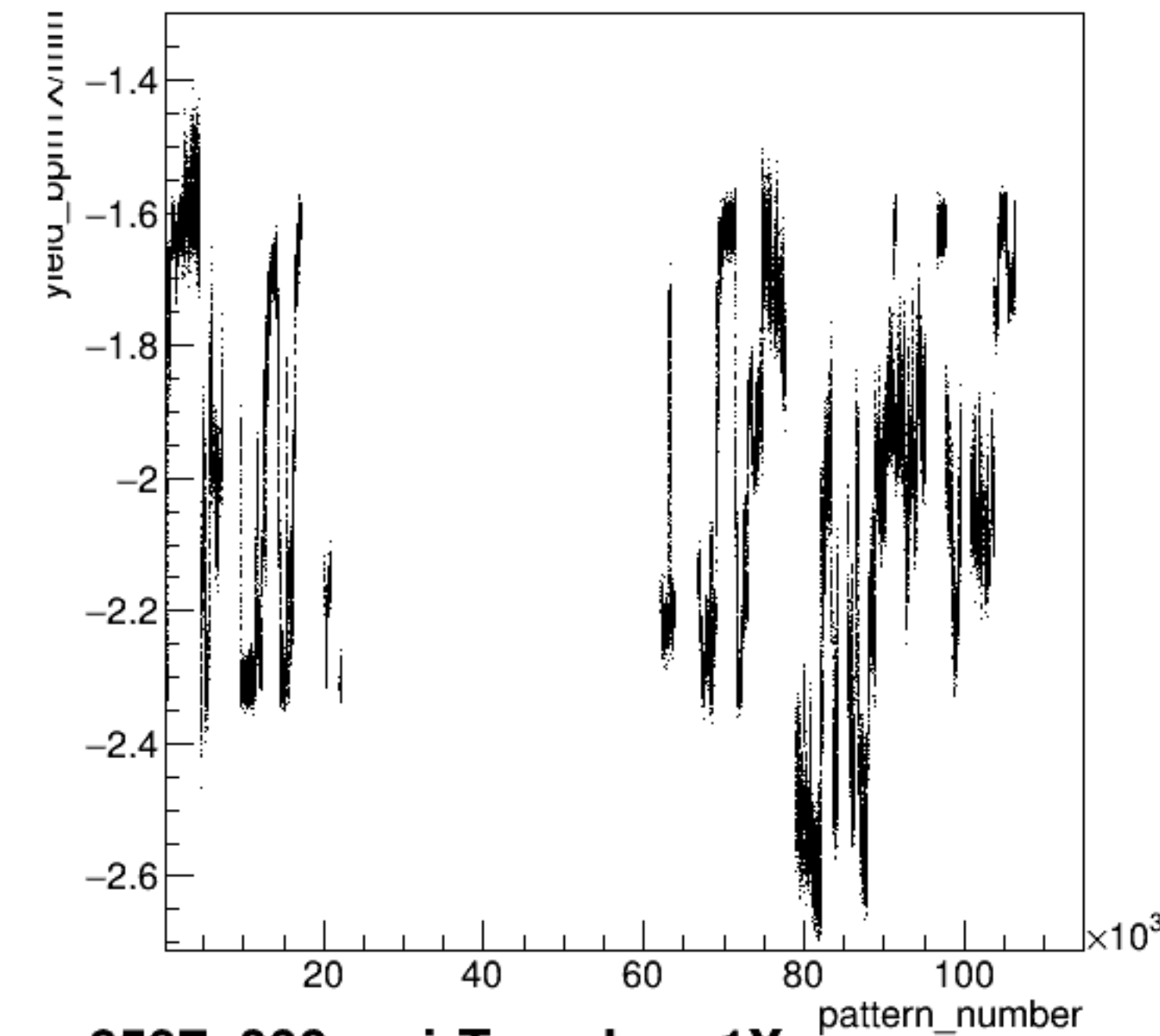
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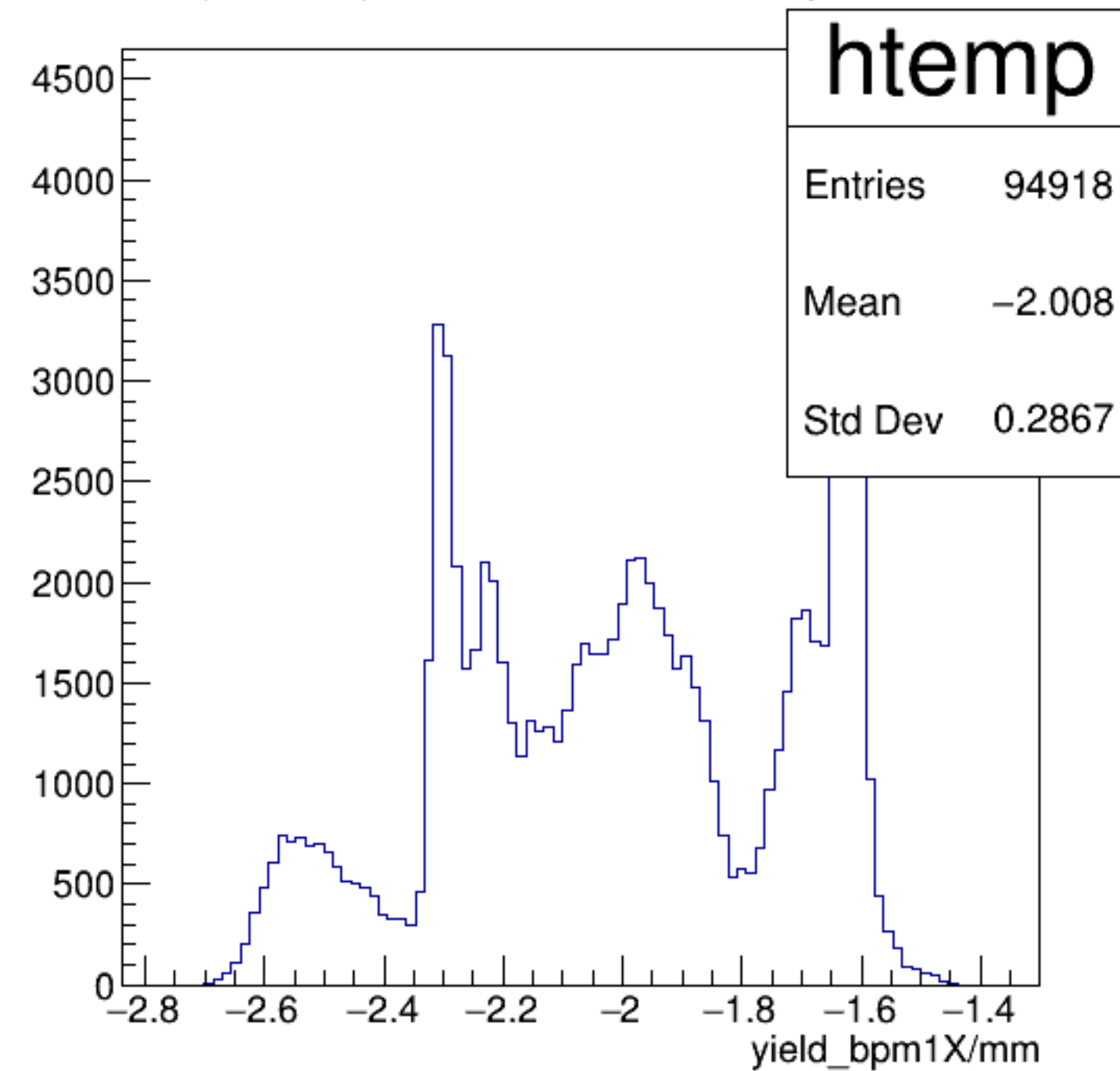
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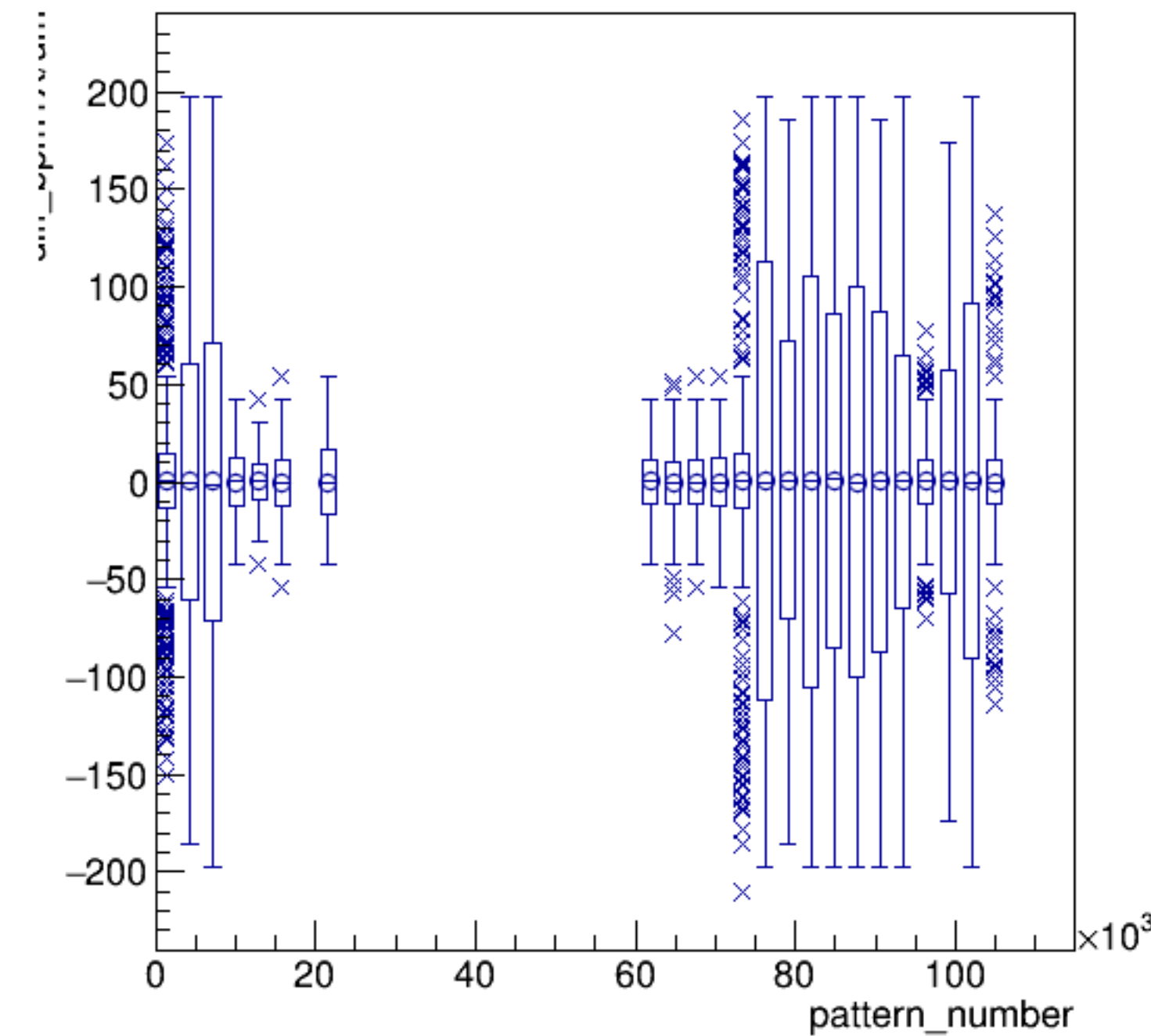
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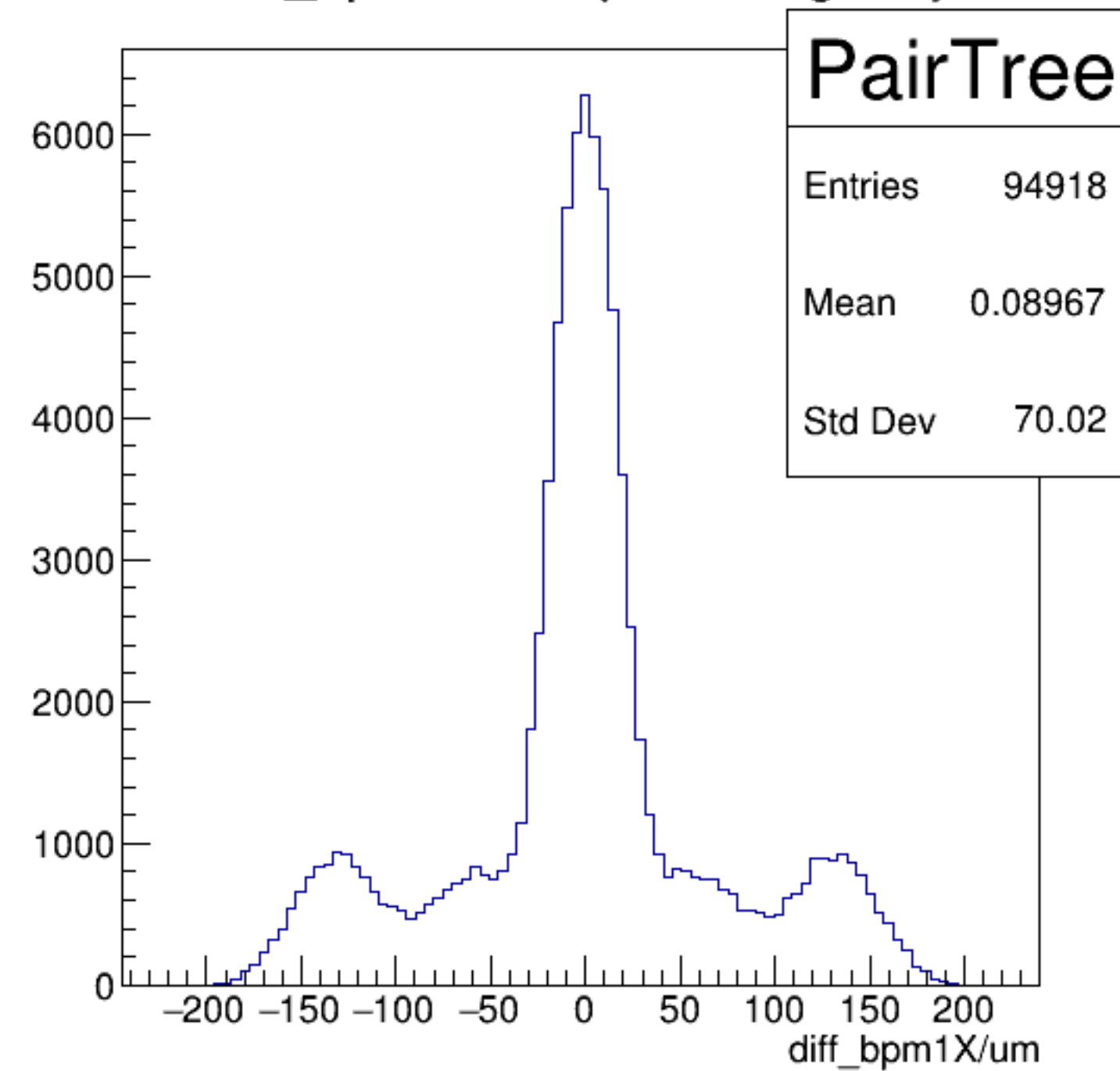
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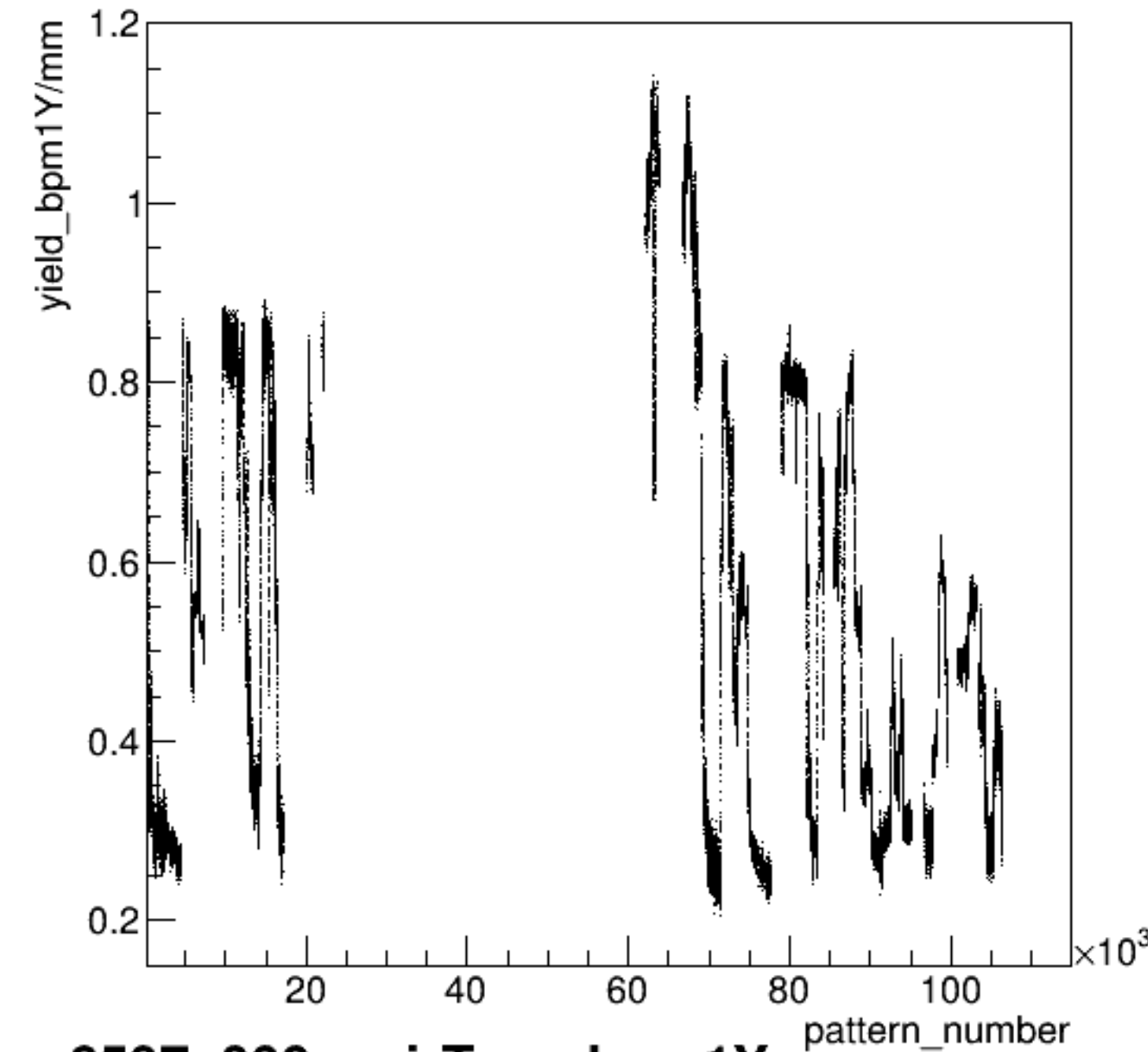
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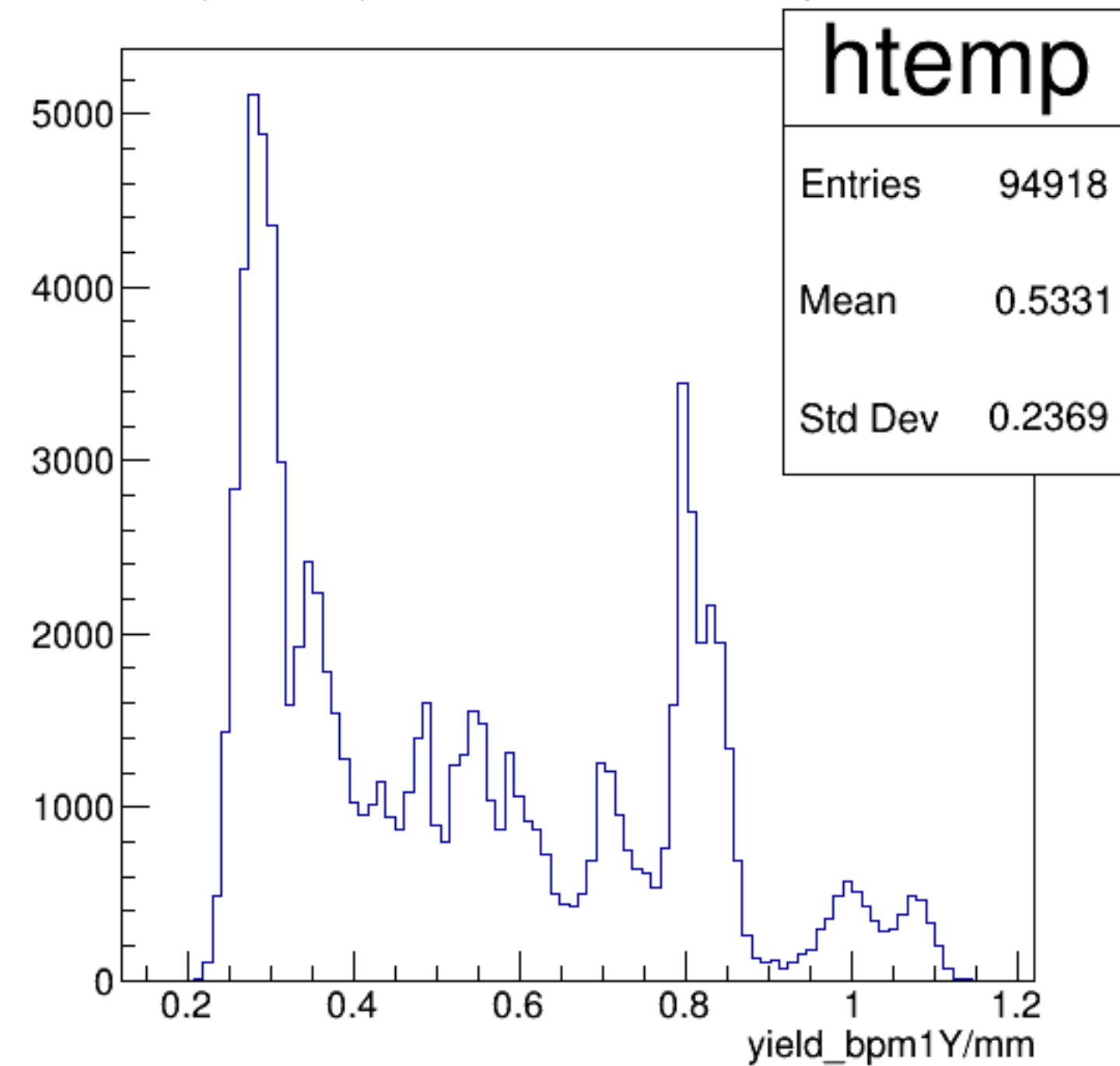
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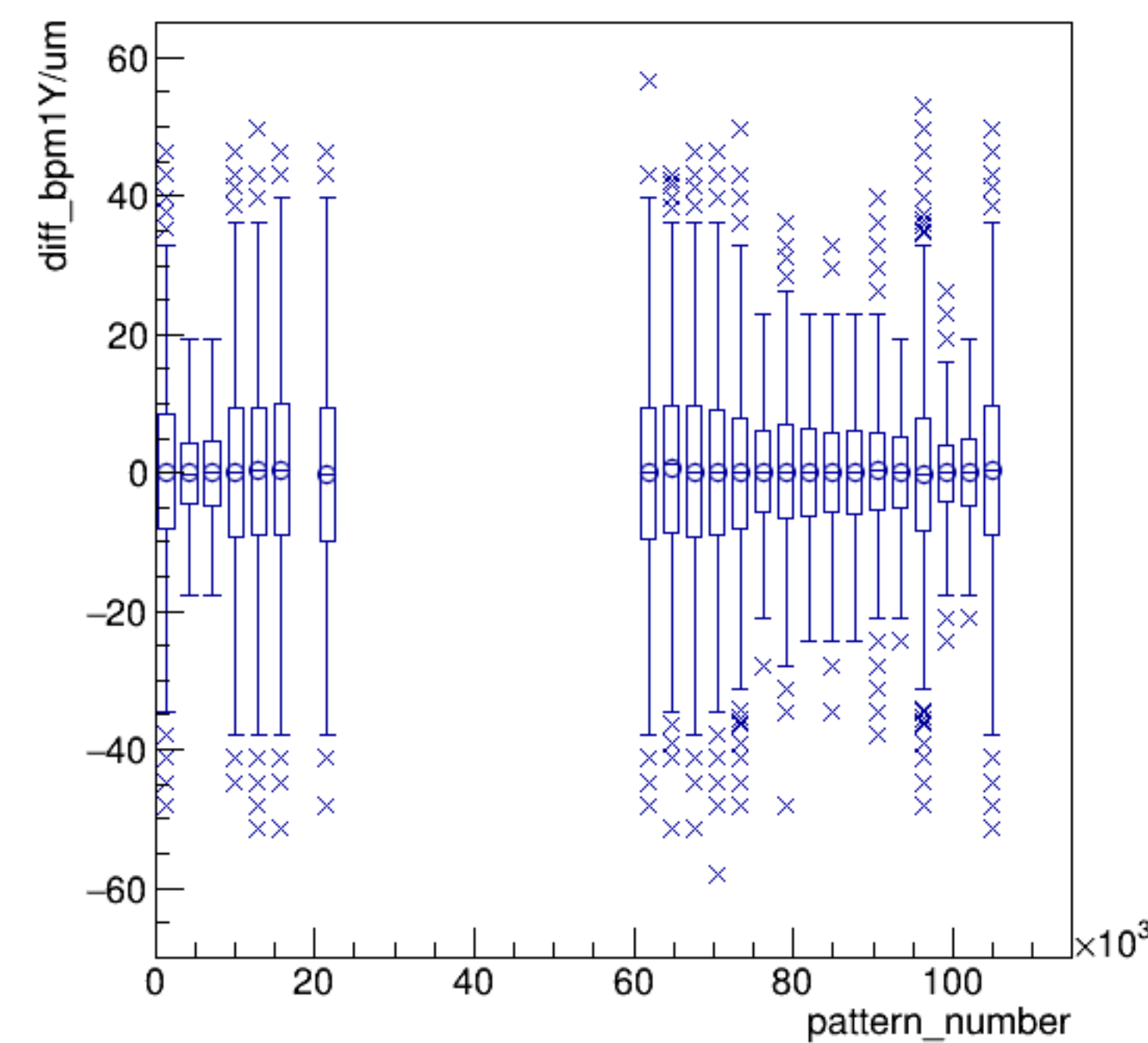
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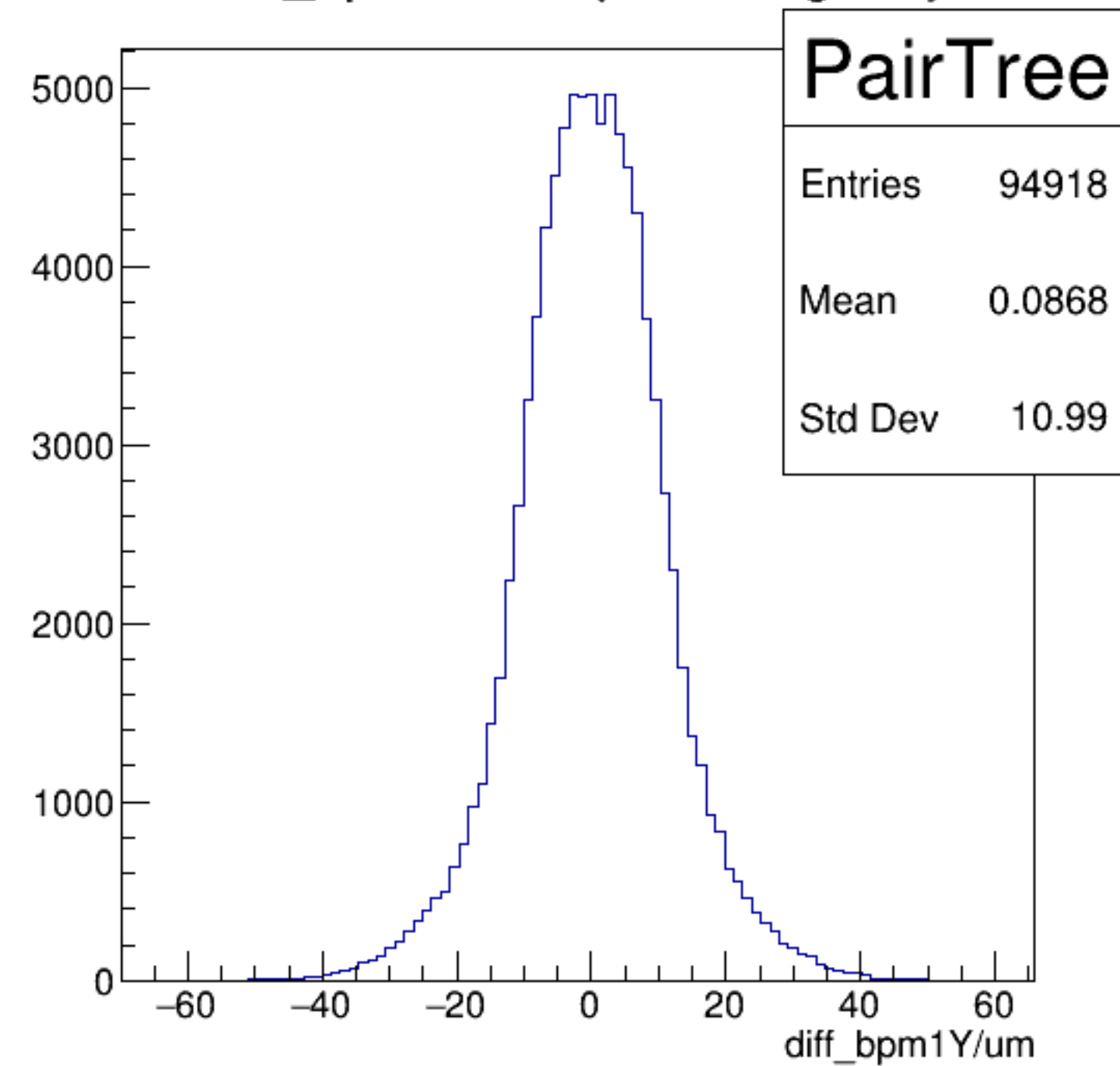
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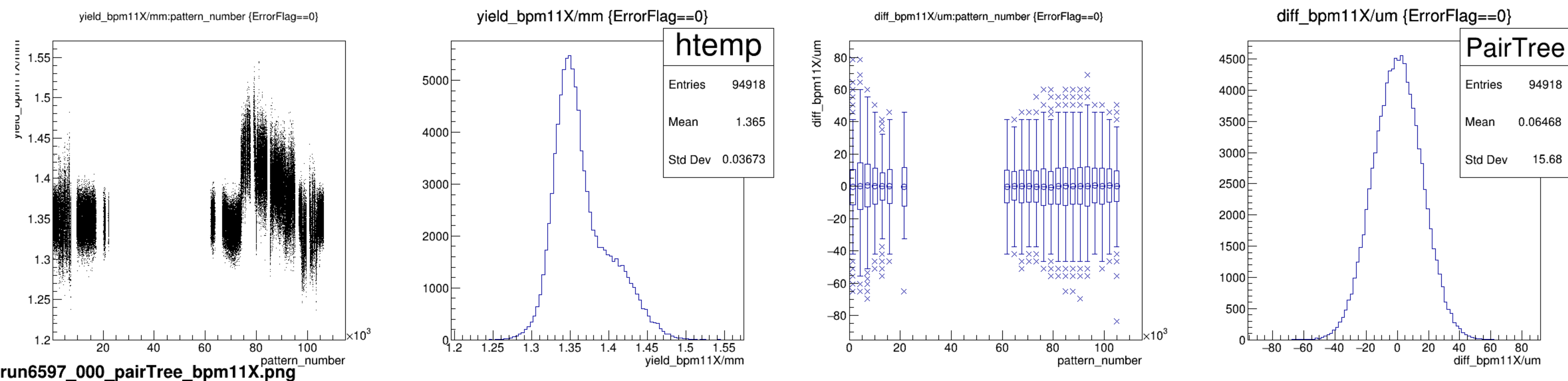


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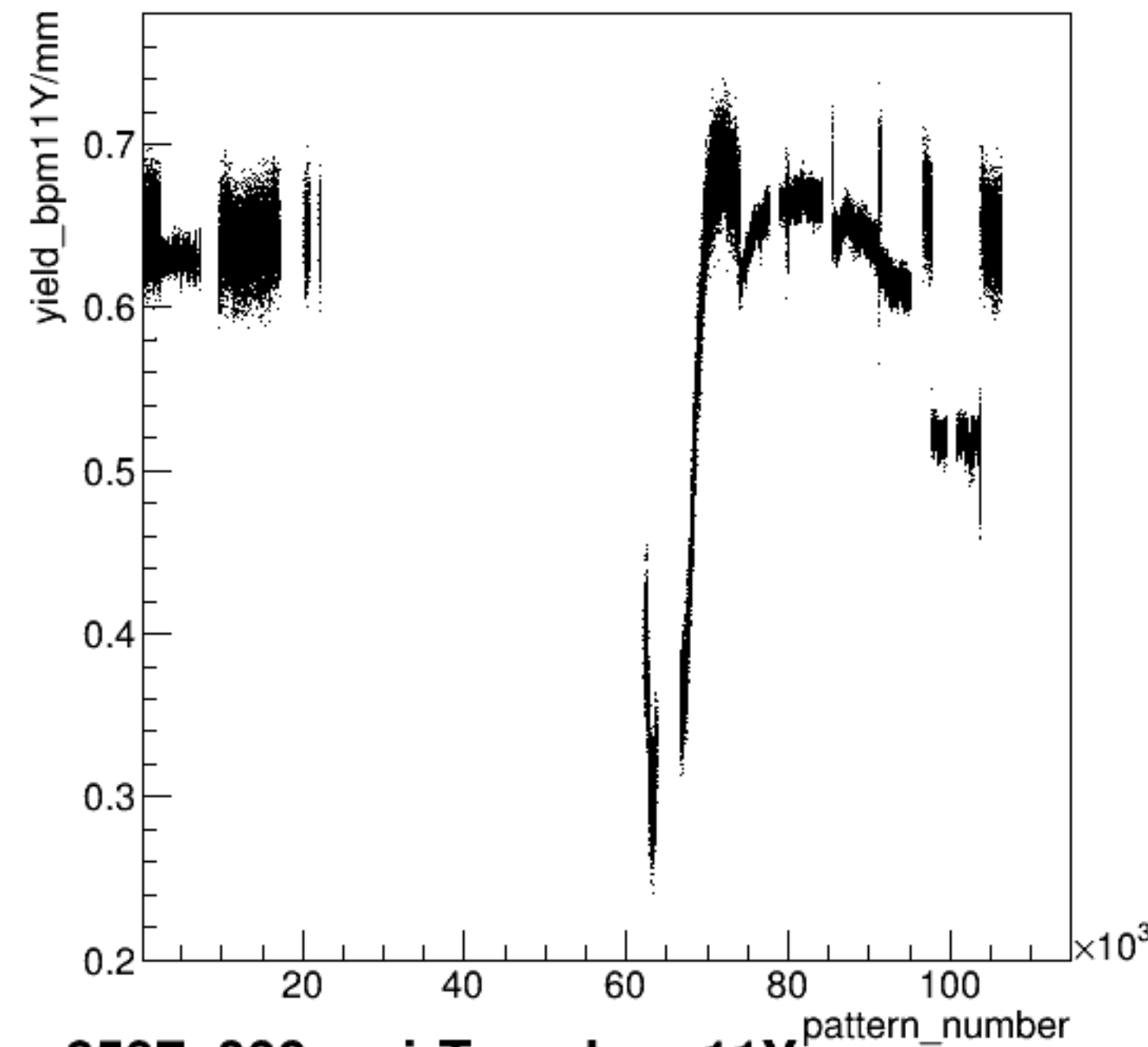


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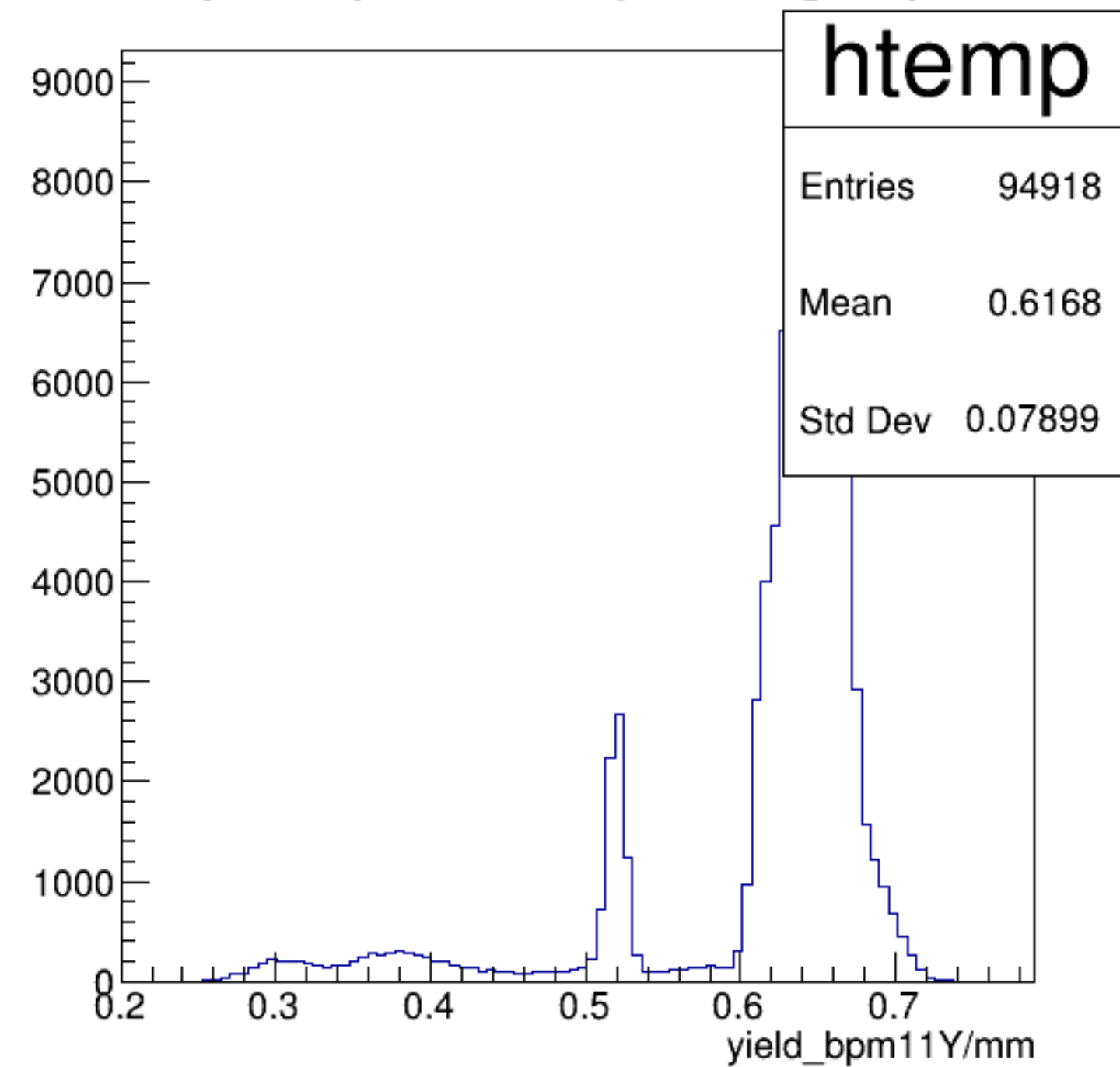




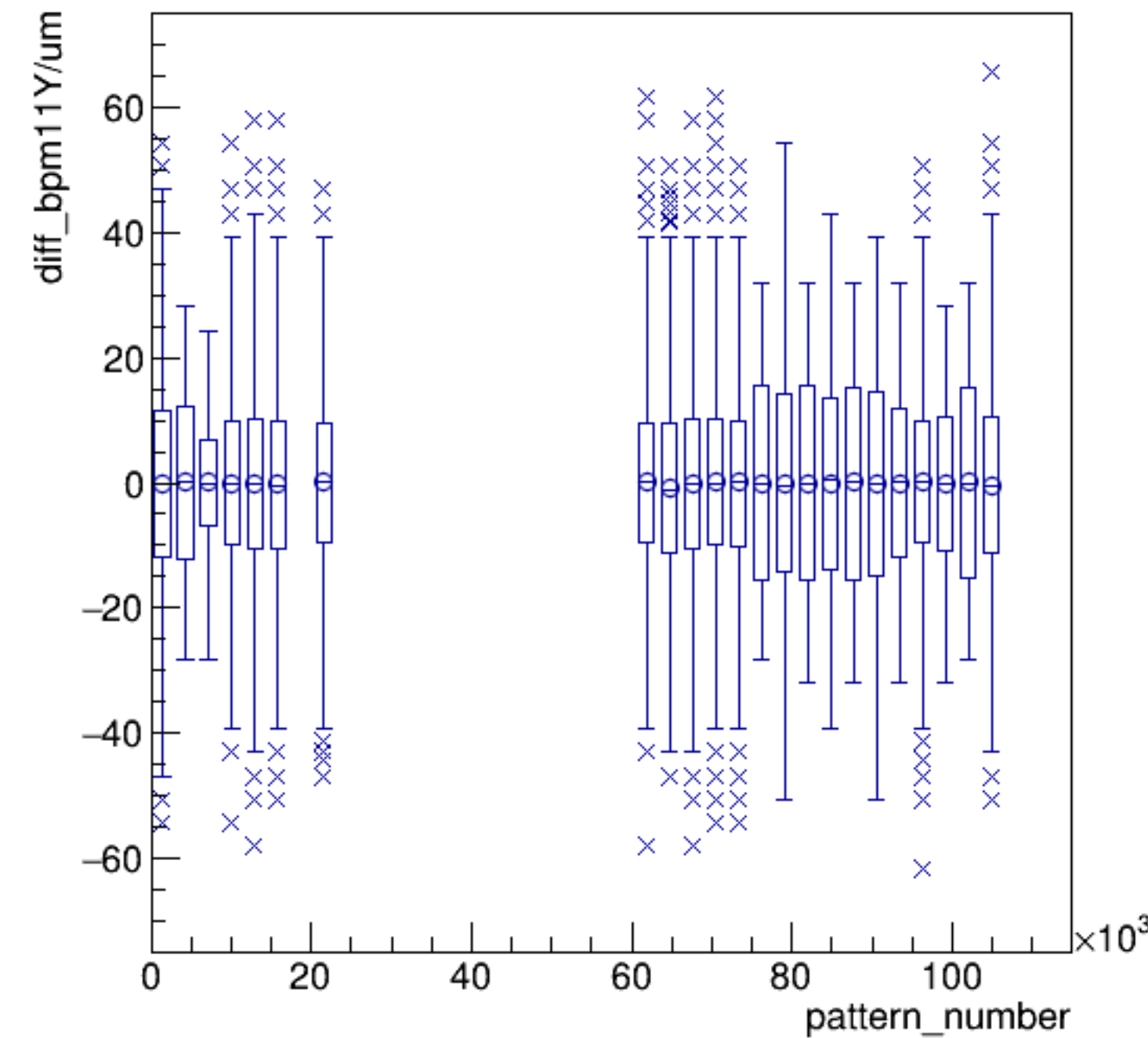
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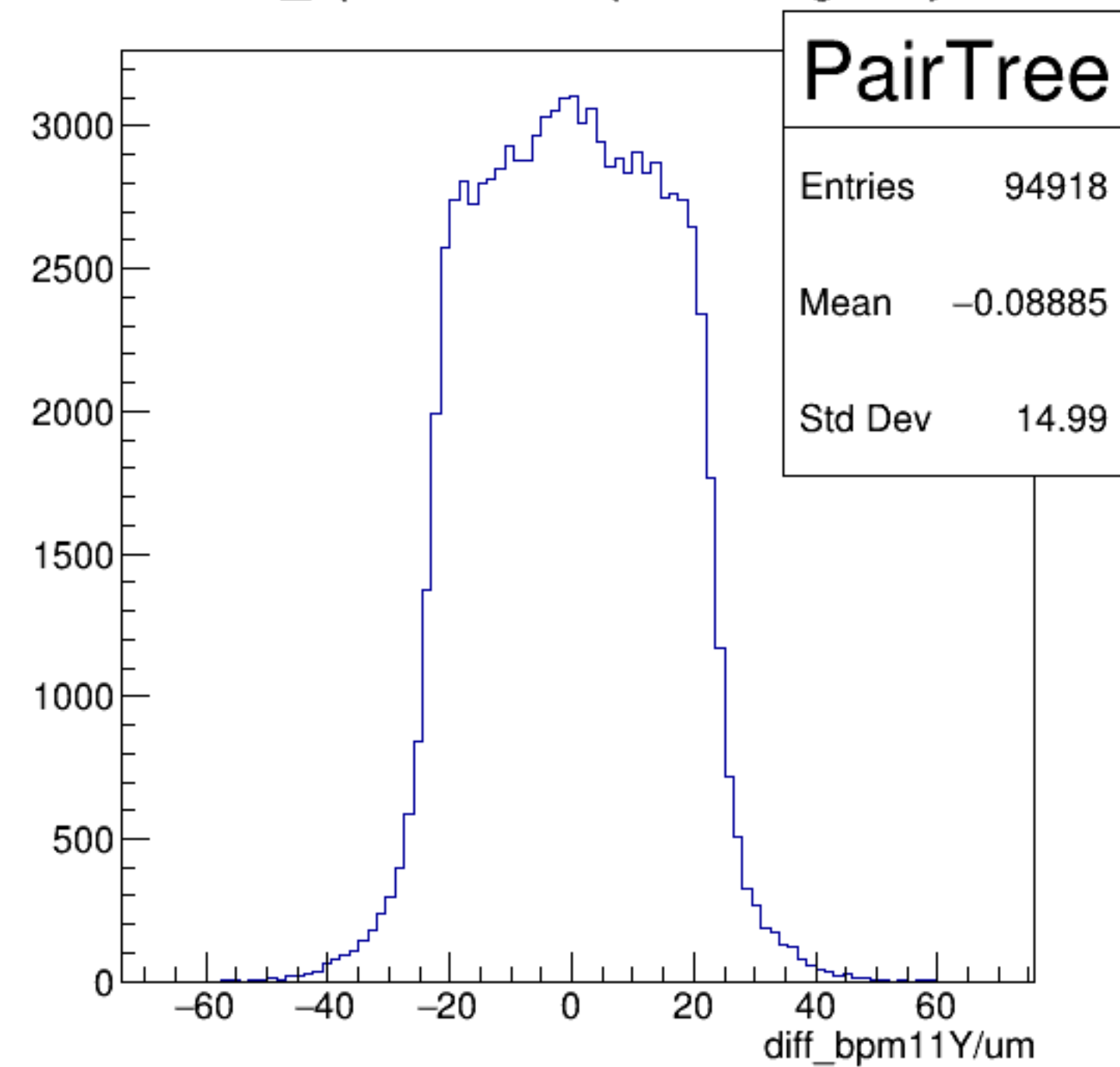
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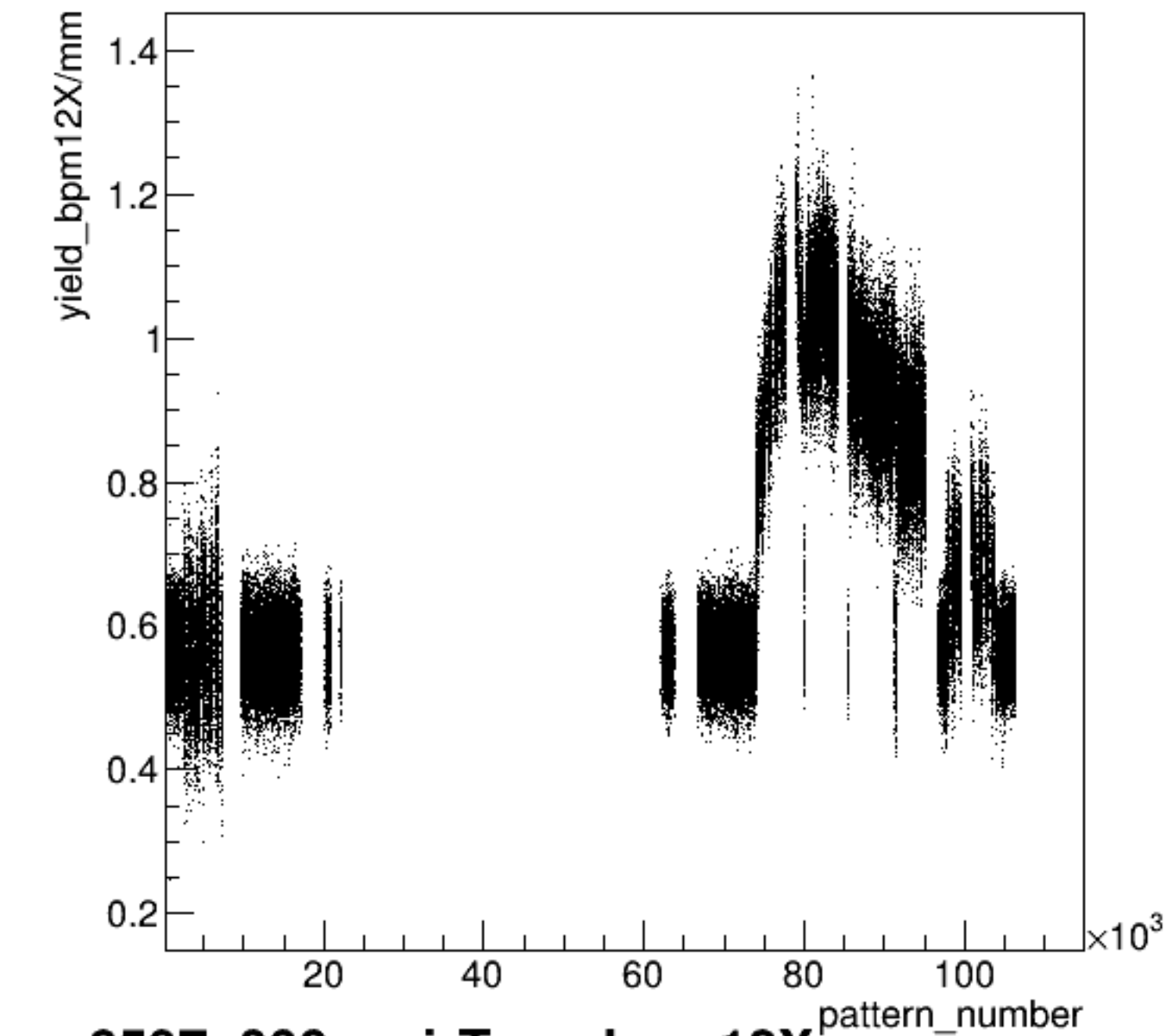
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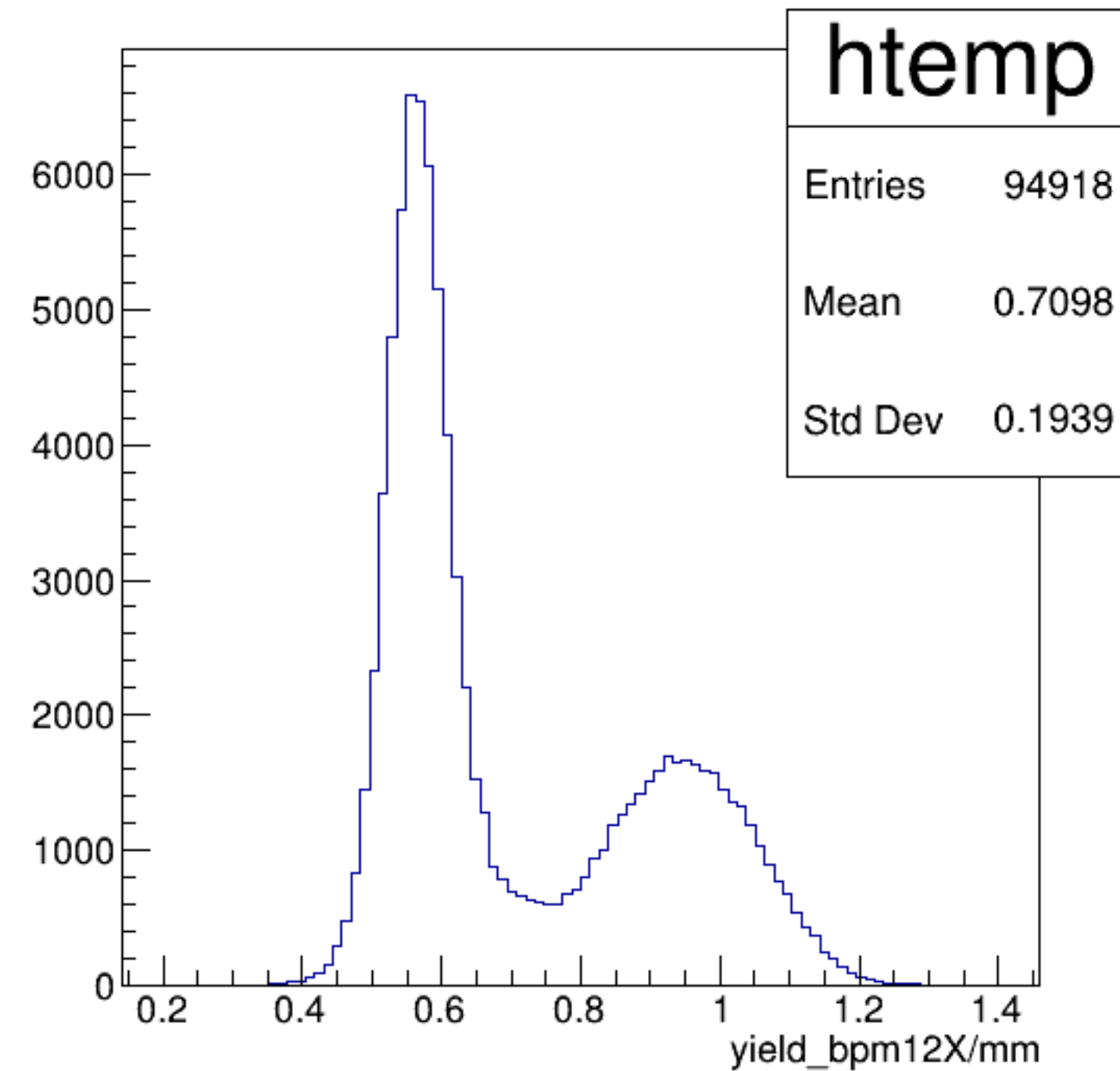


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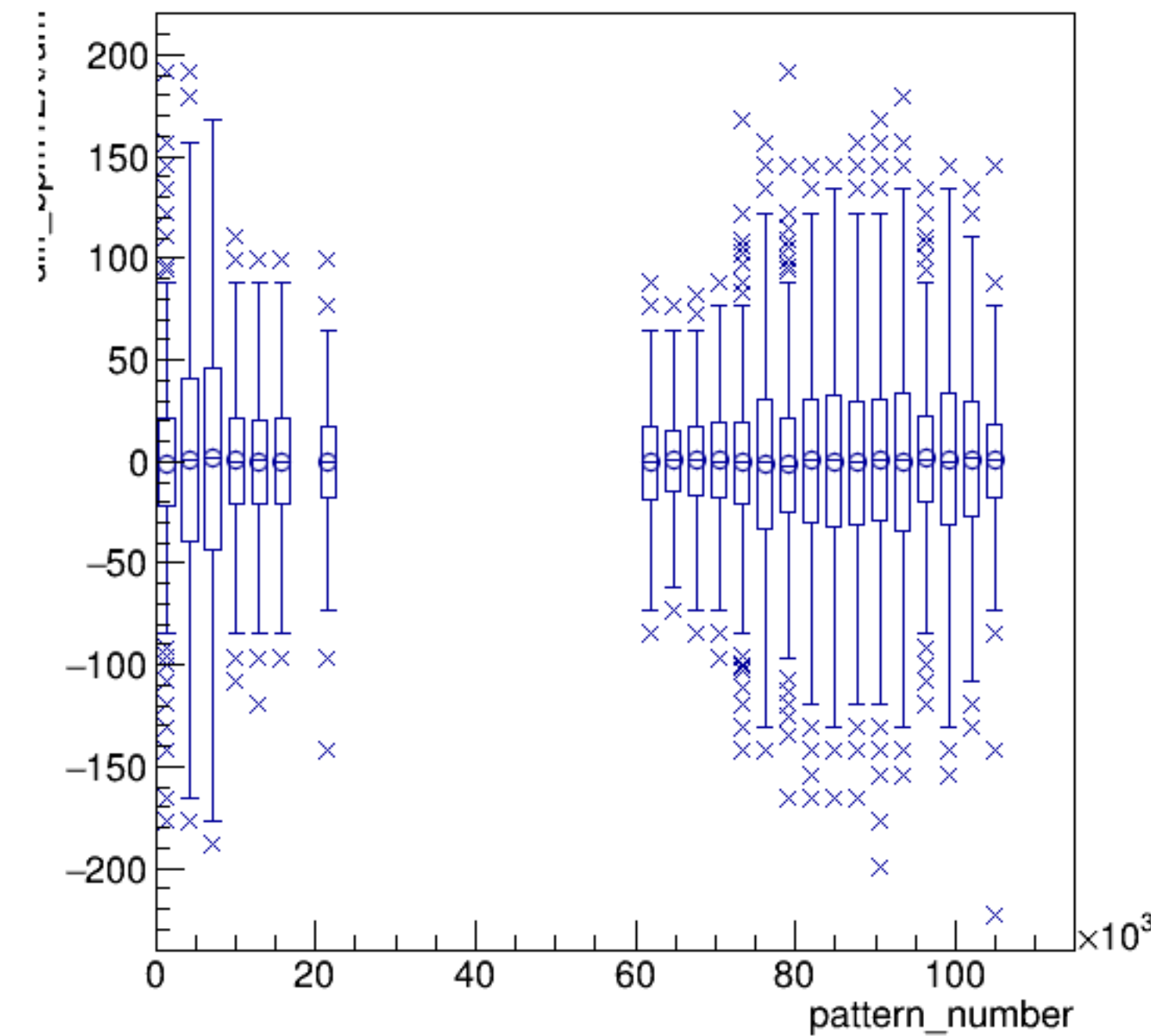


run6597_000_pairTree_bpm12X.png

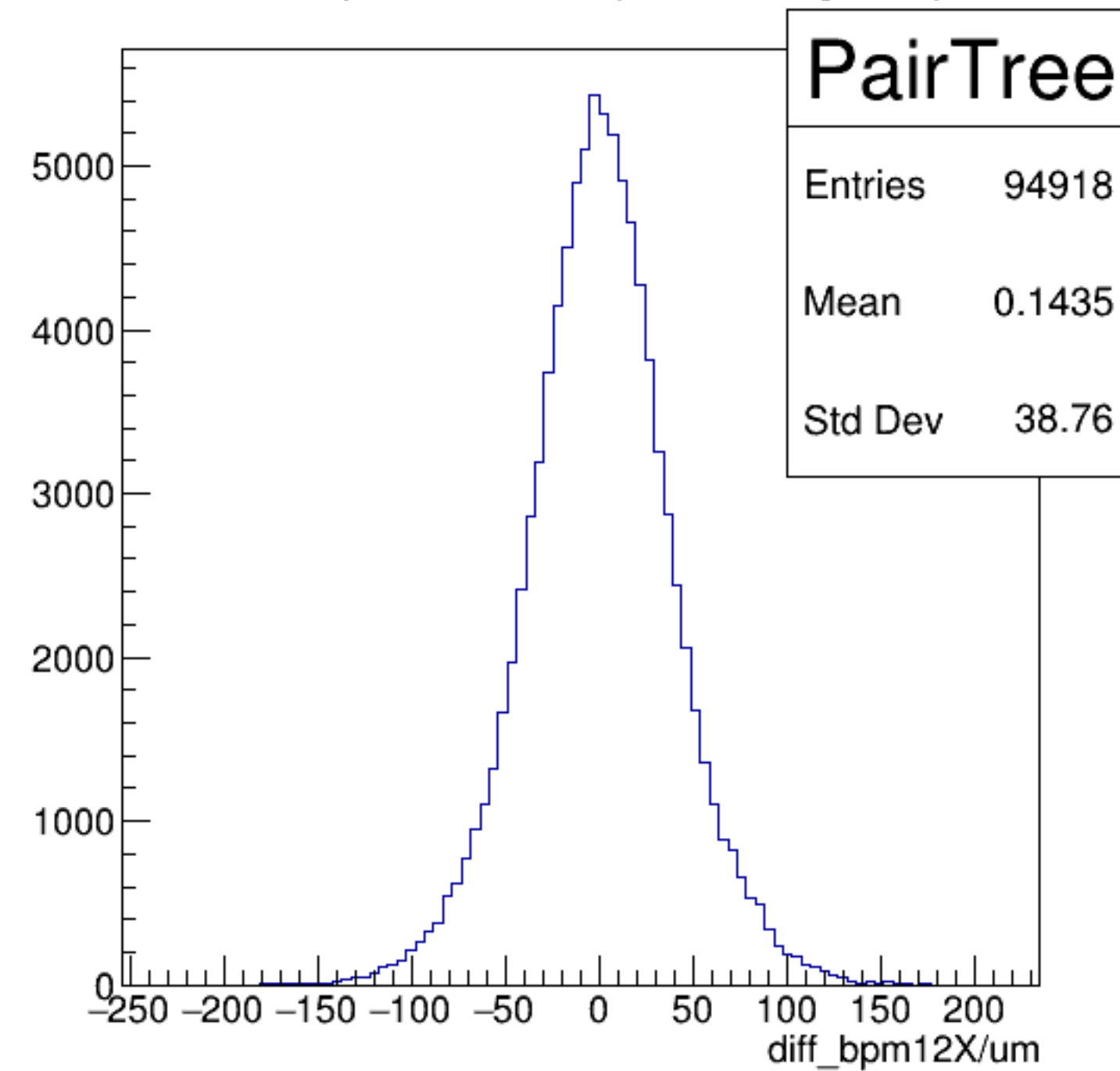
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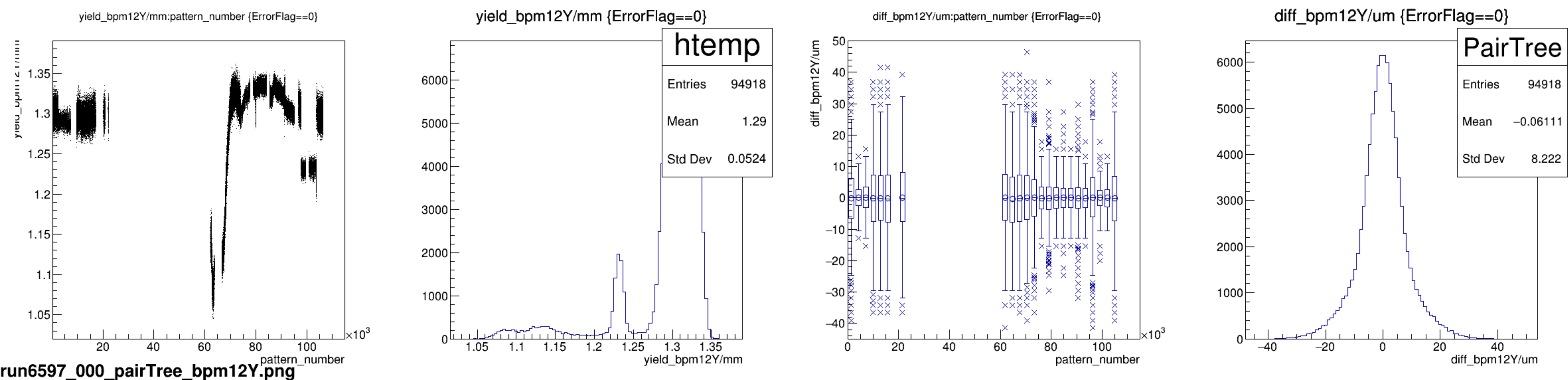


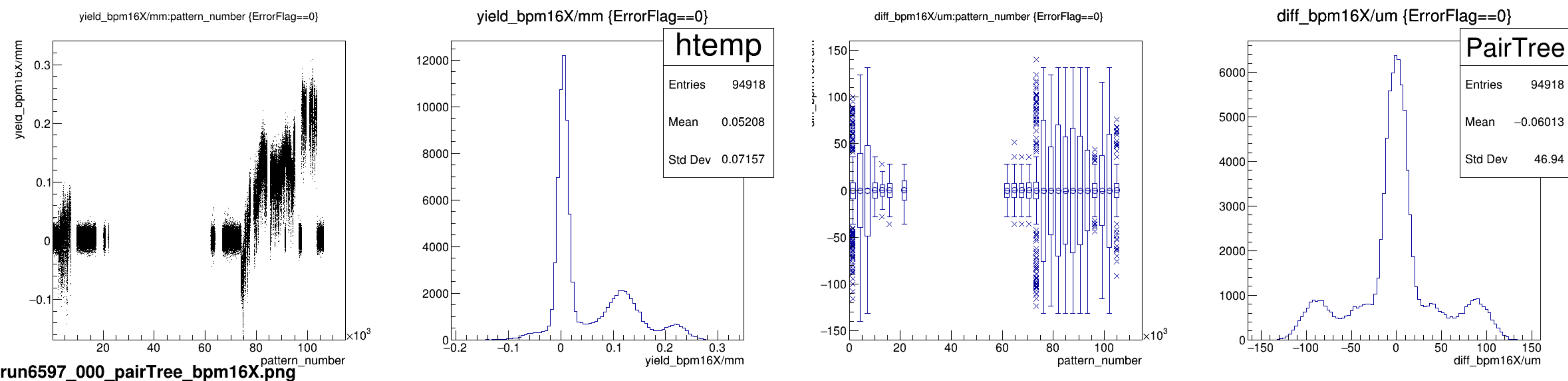
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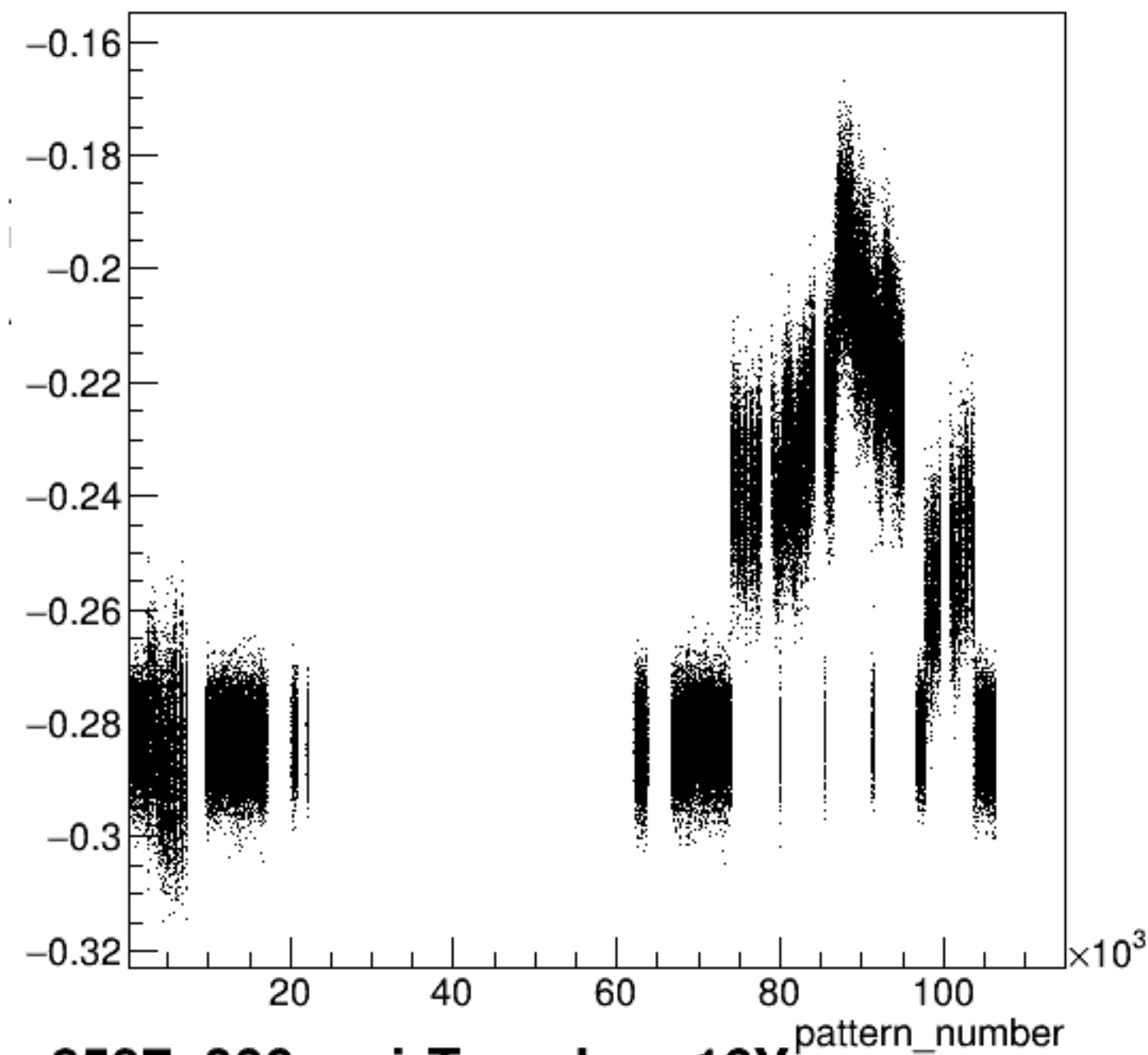
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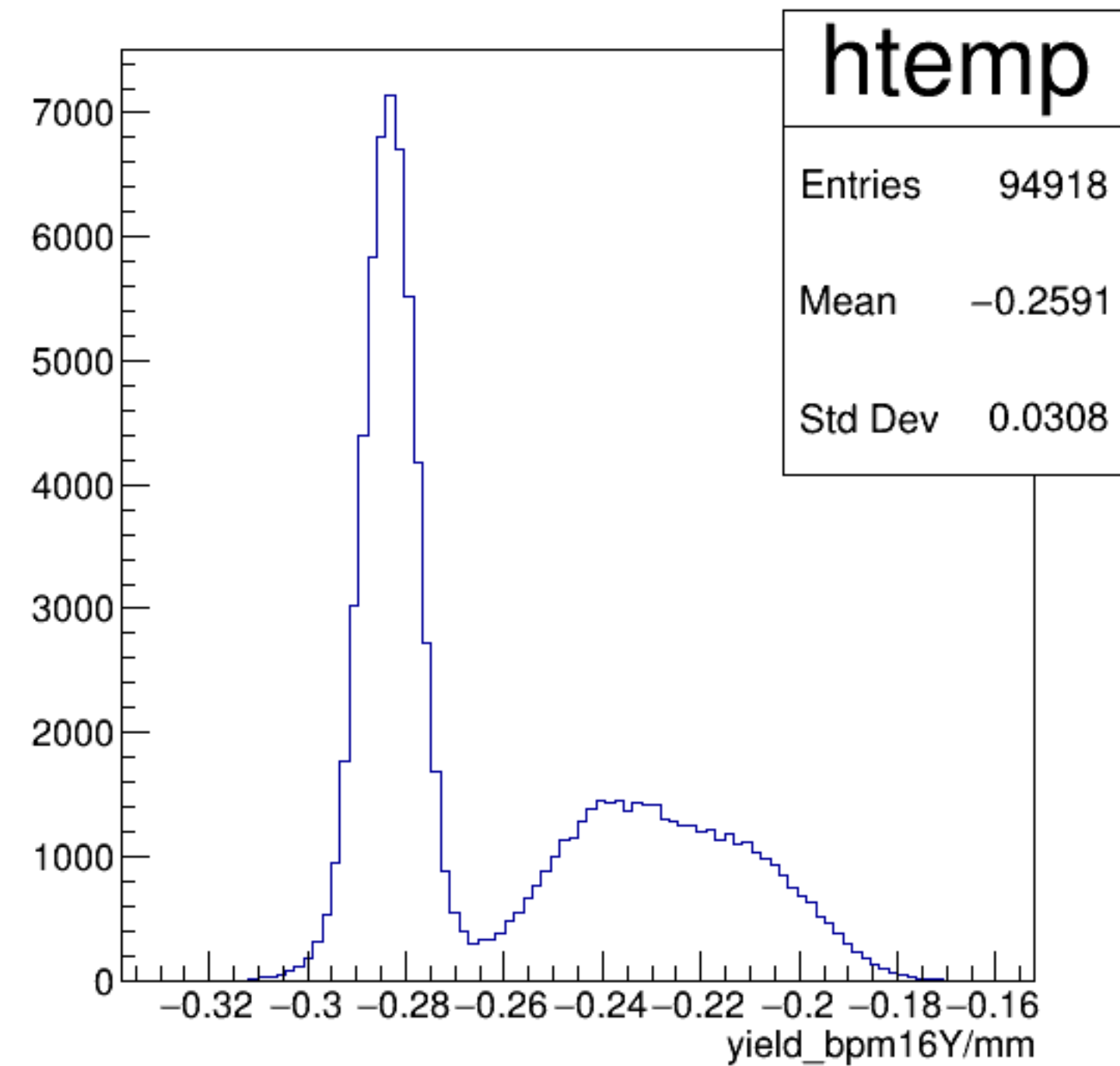




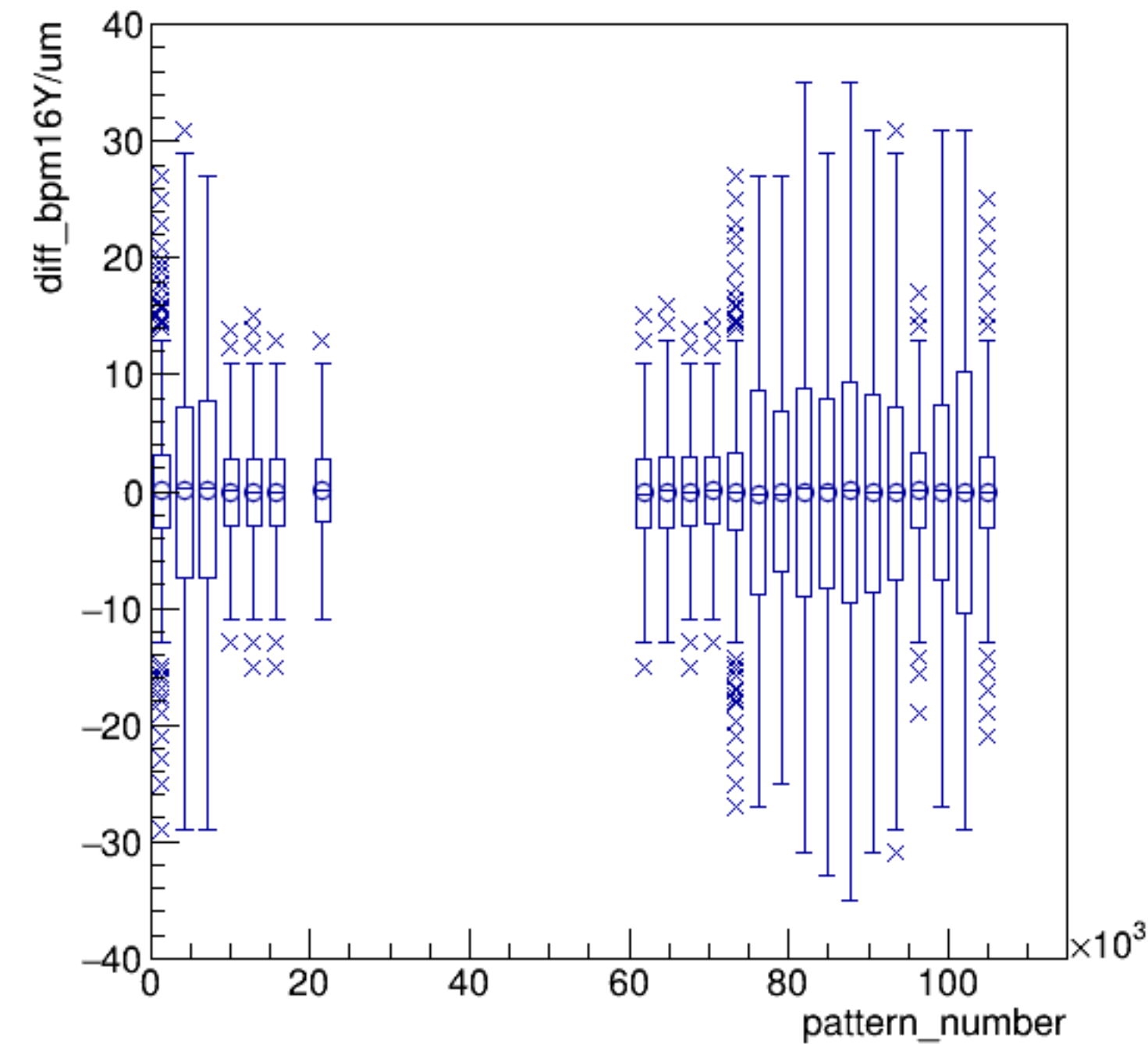
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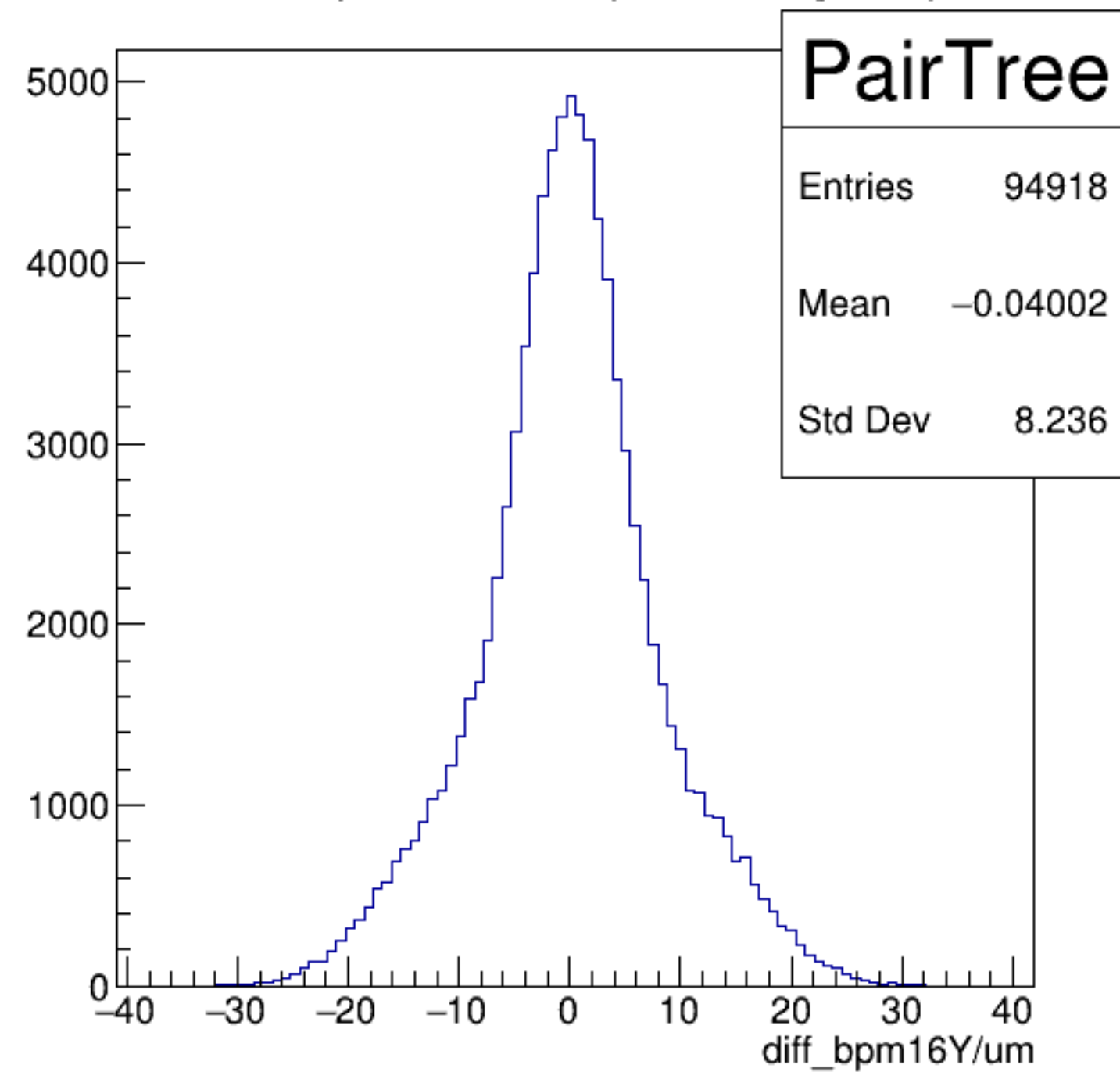
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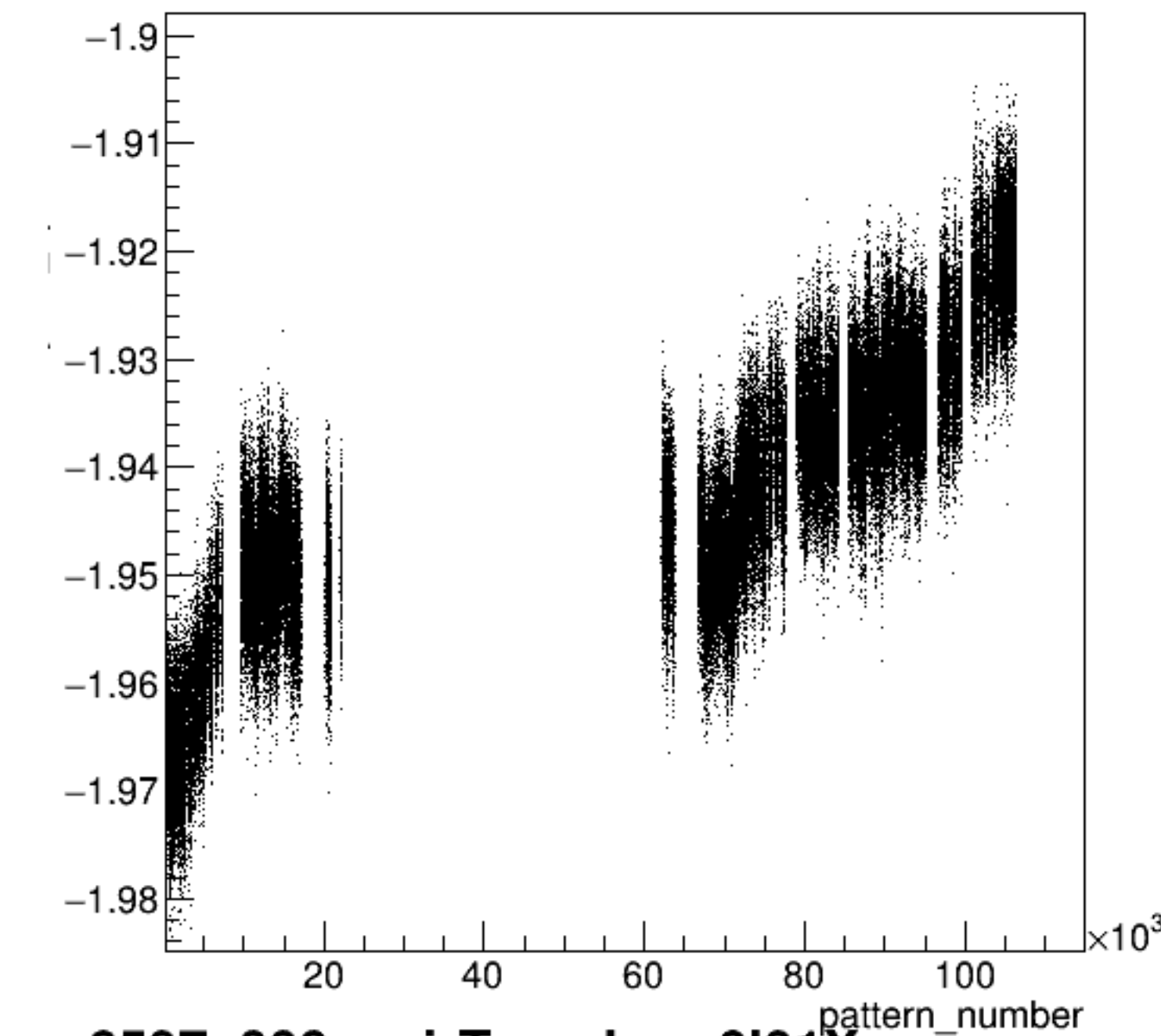
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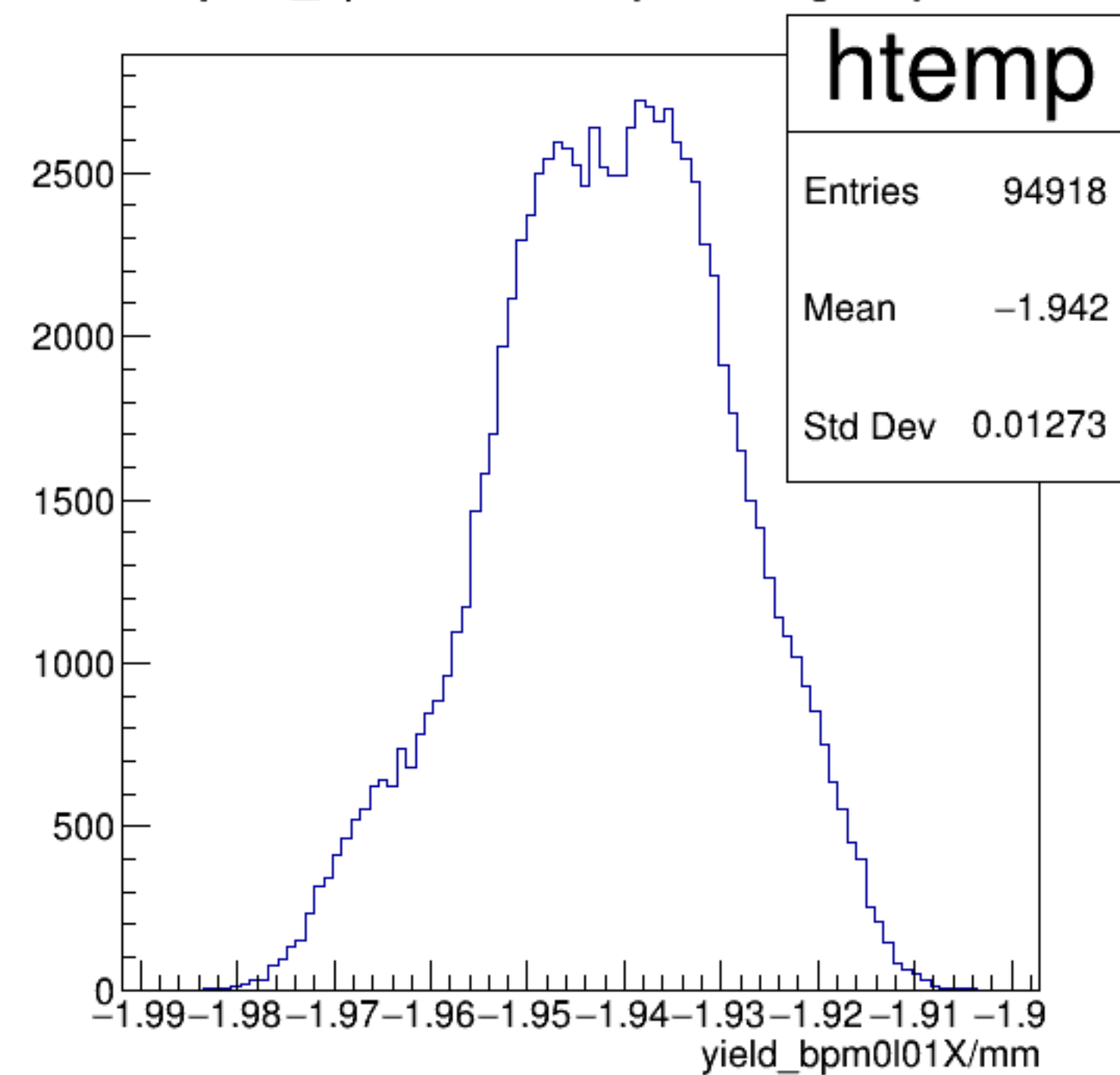
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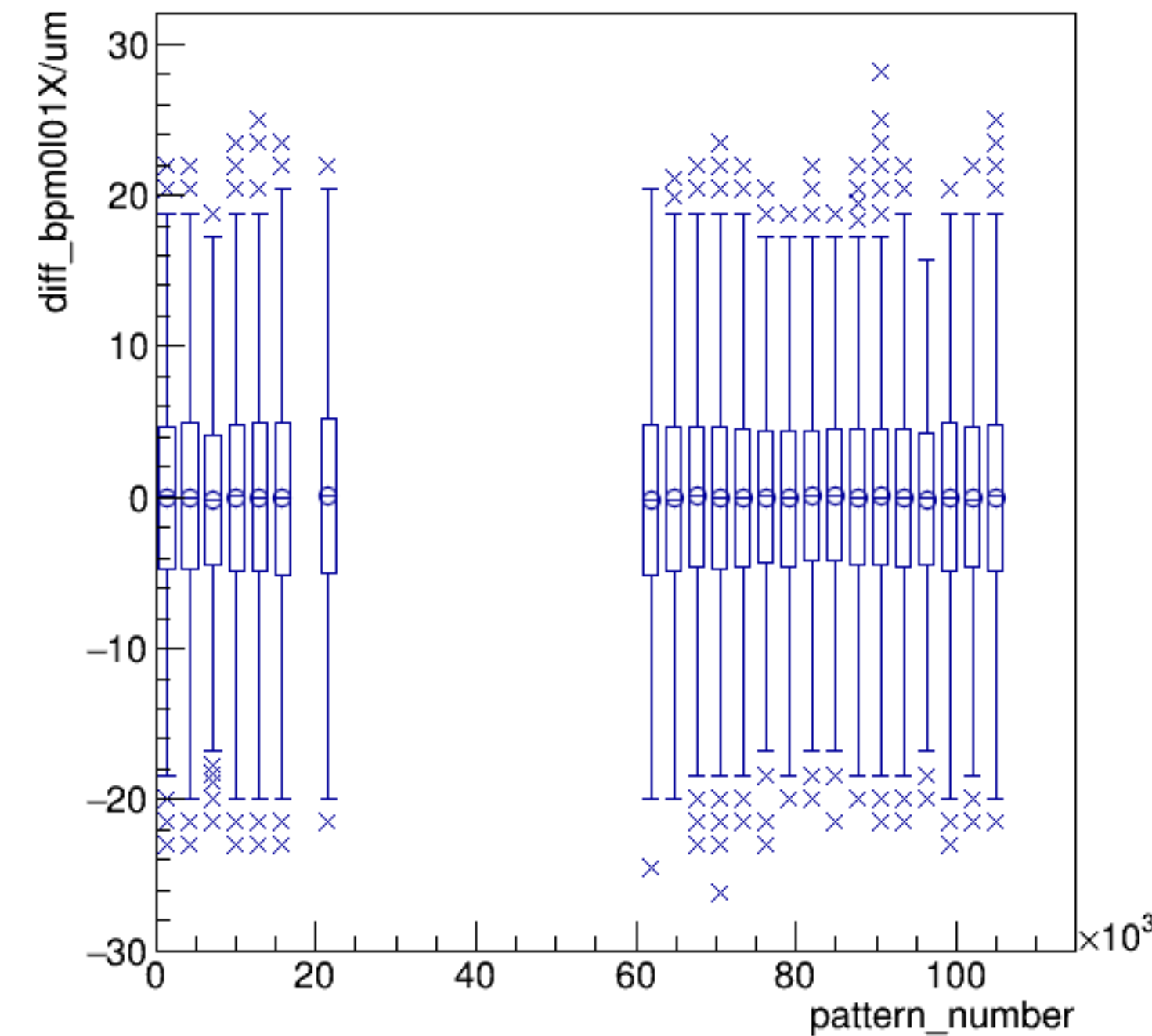
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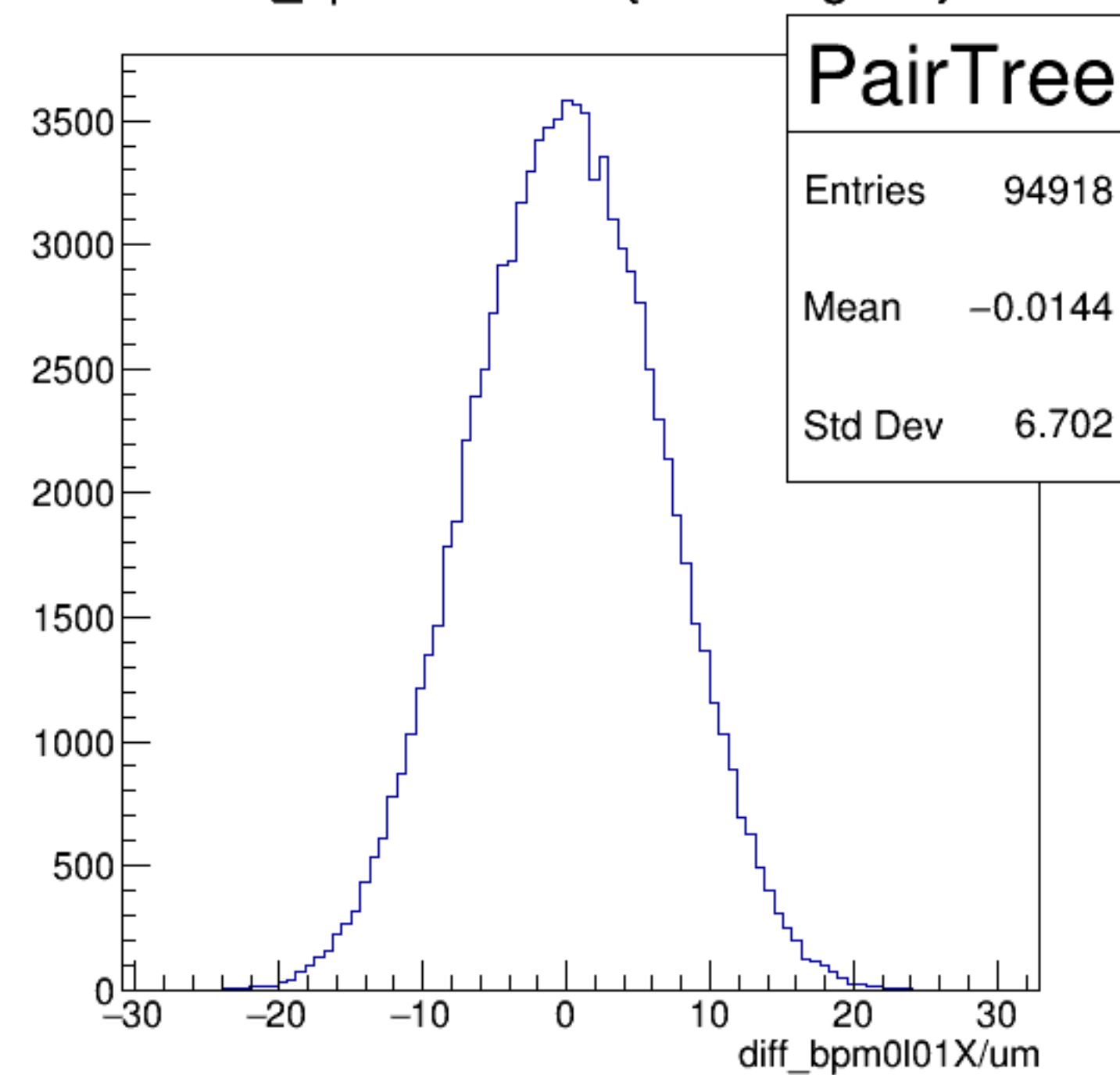
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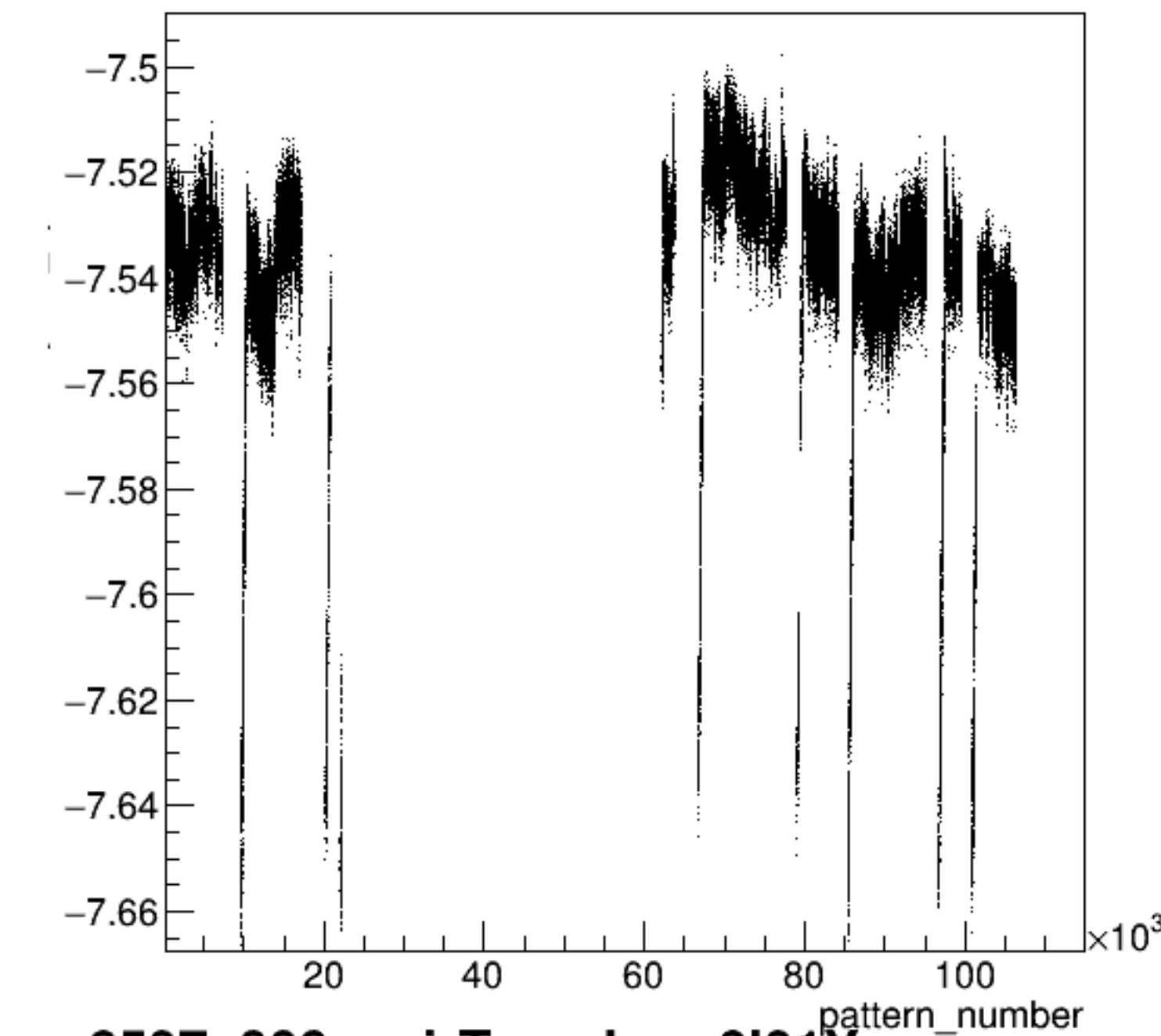
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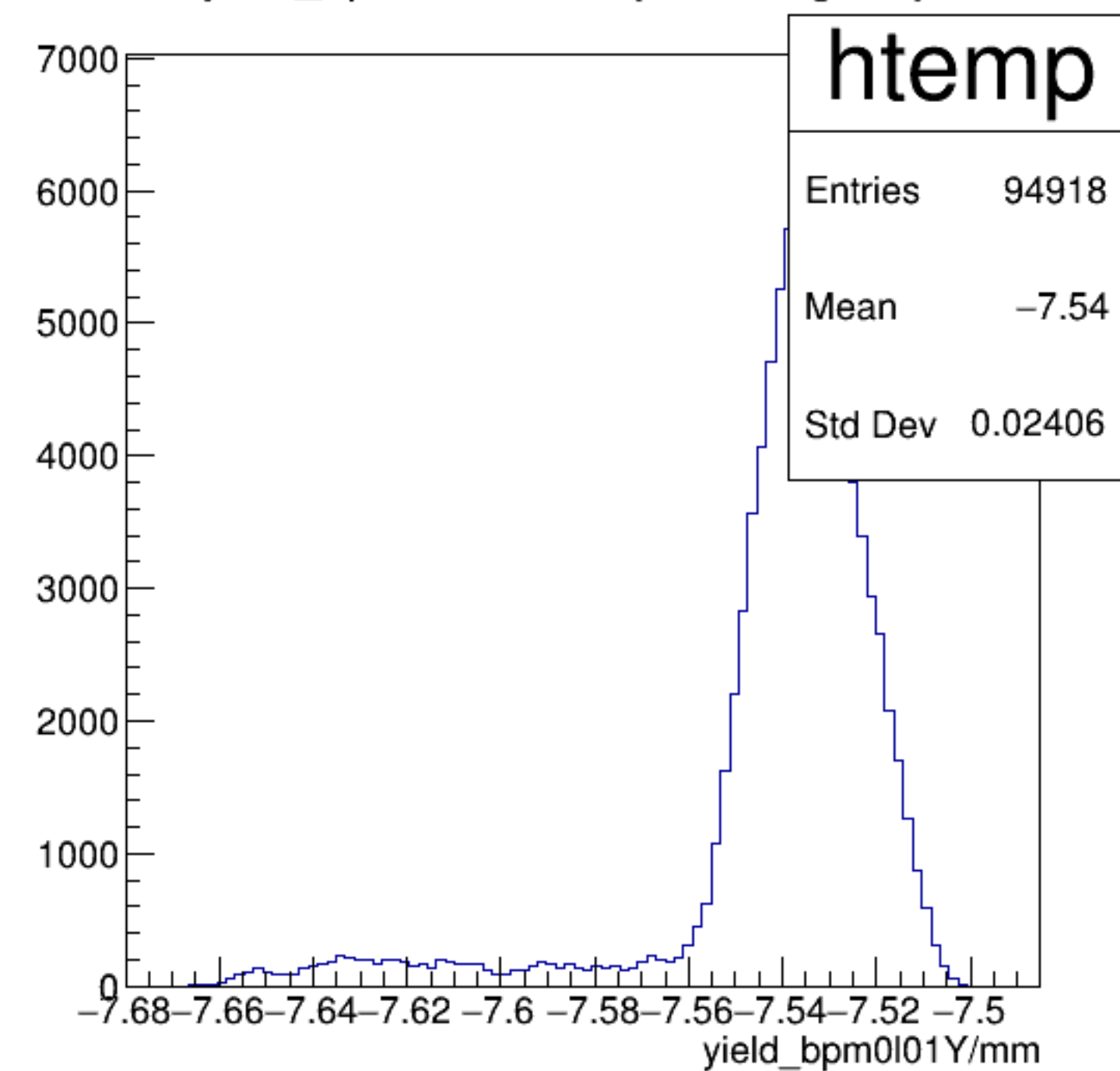
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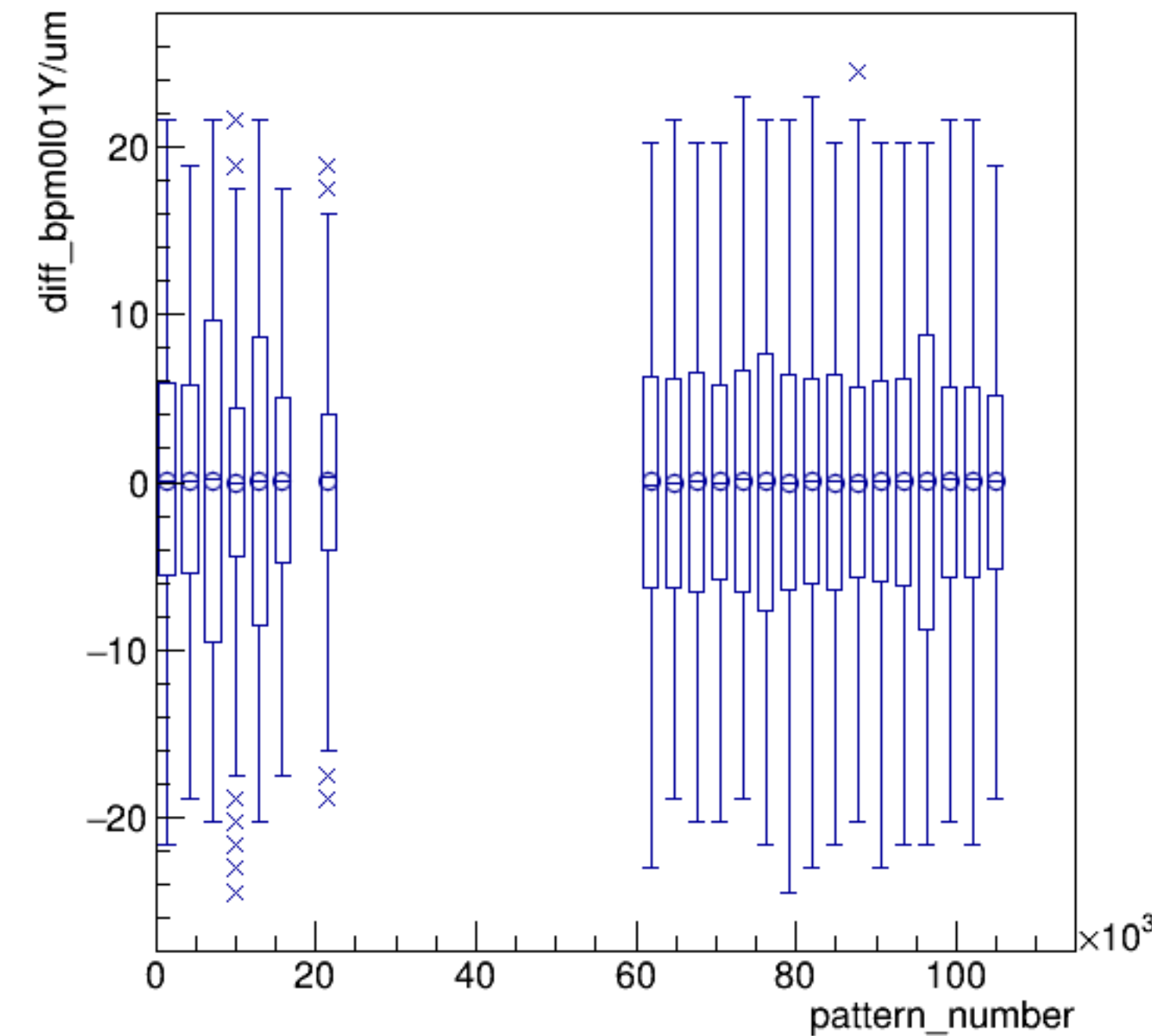
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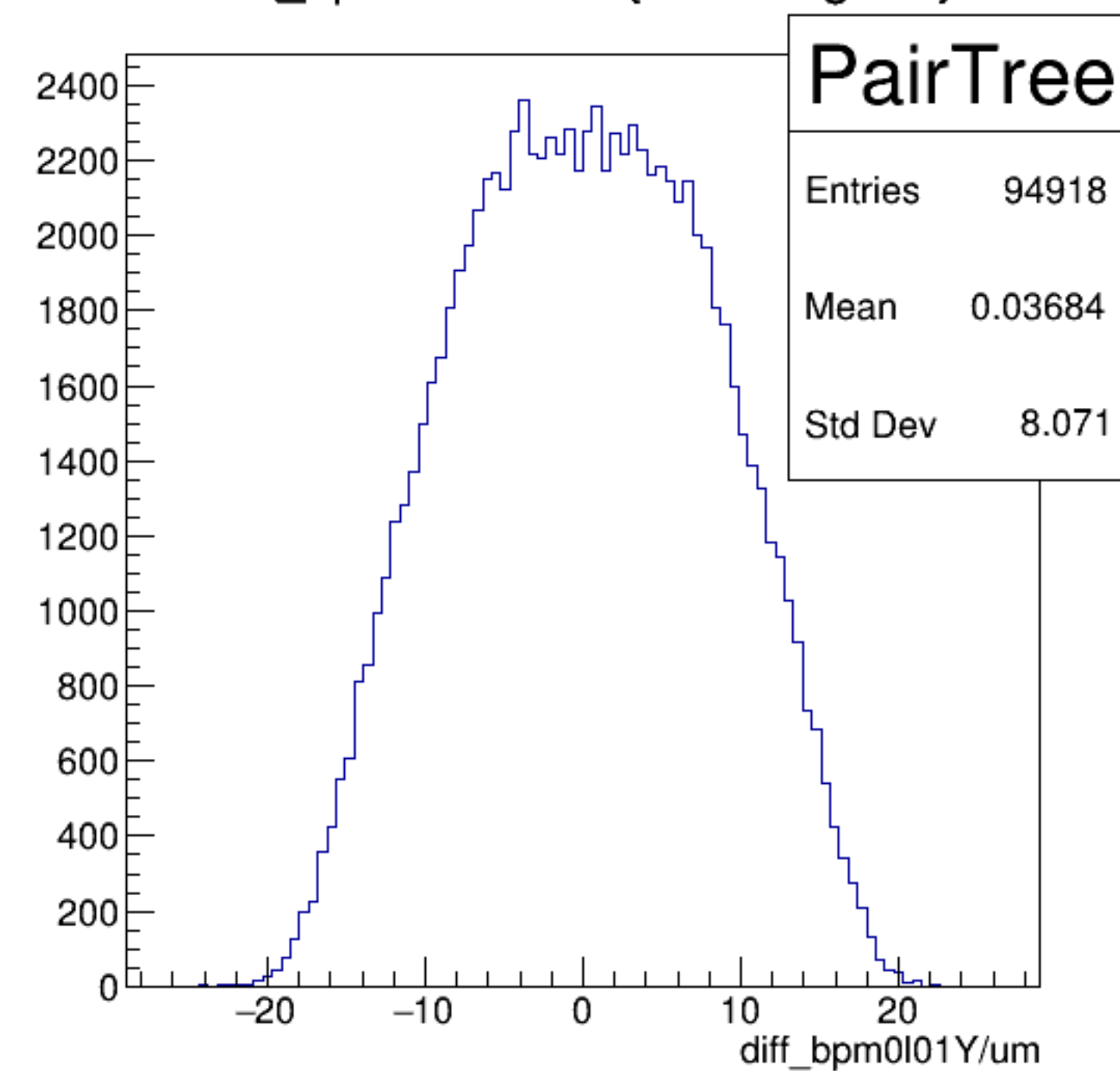
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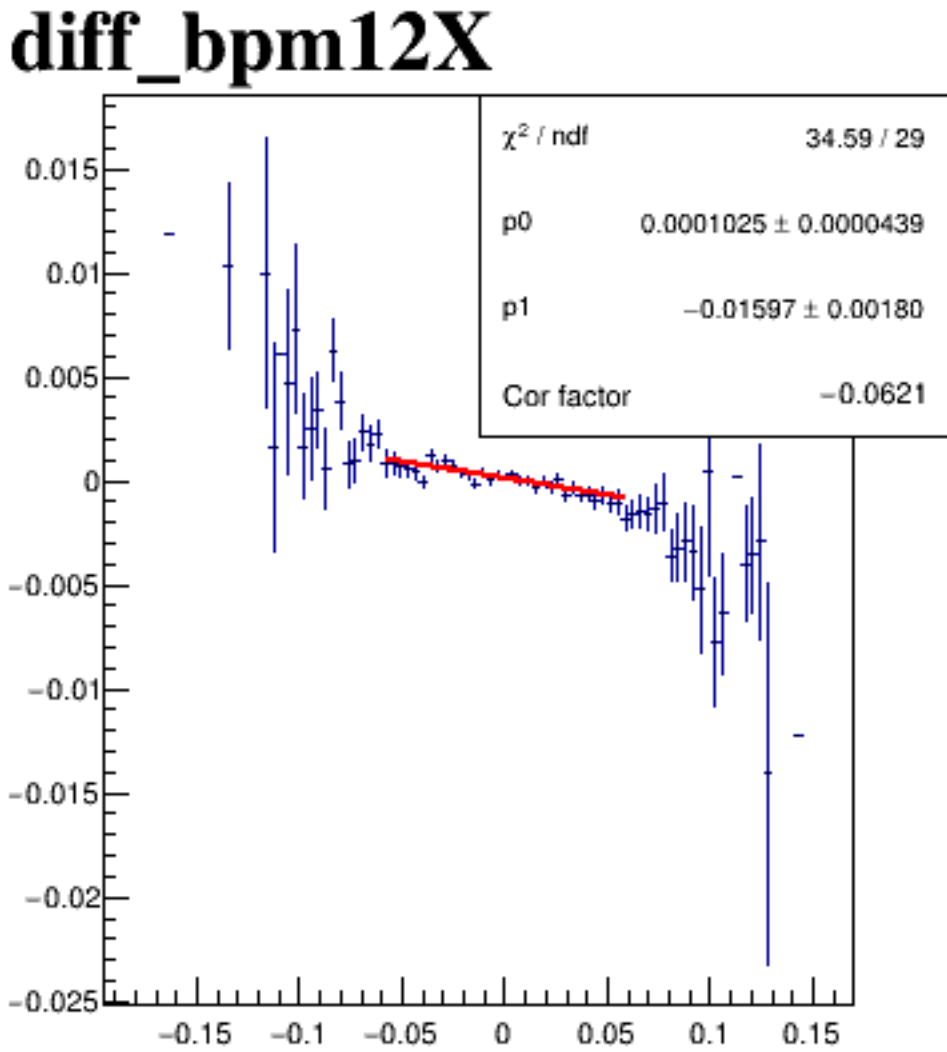
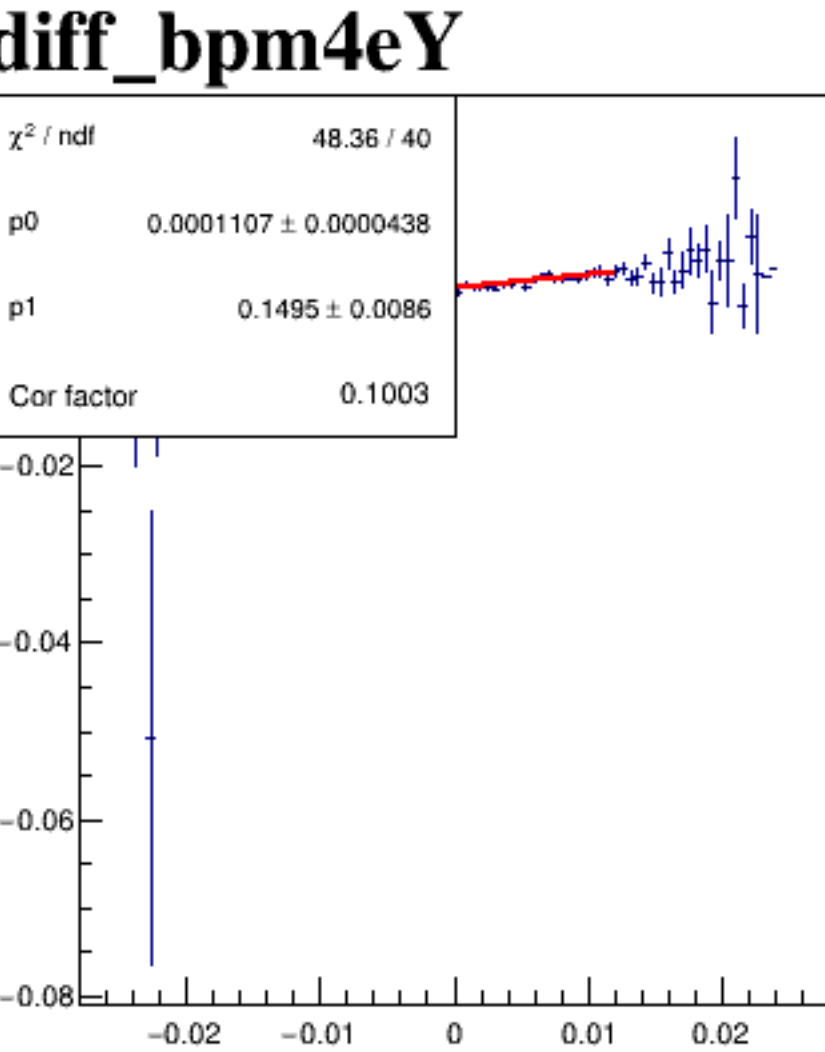
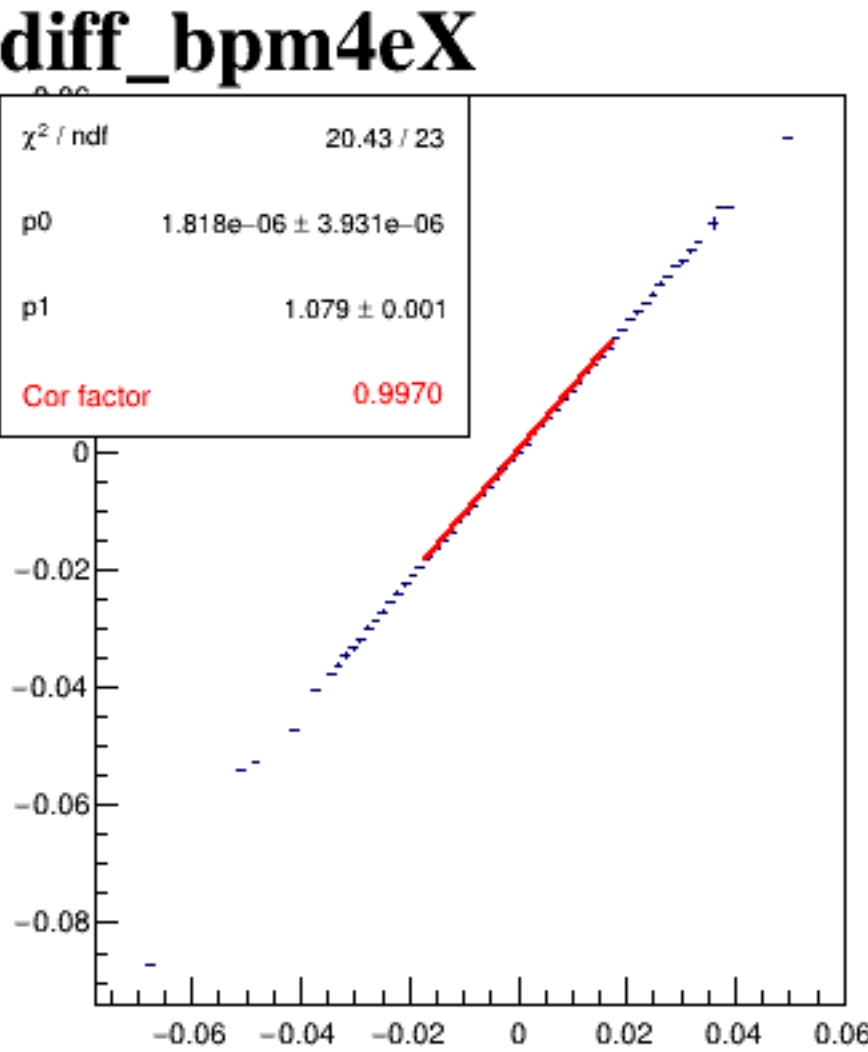
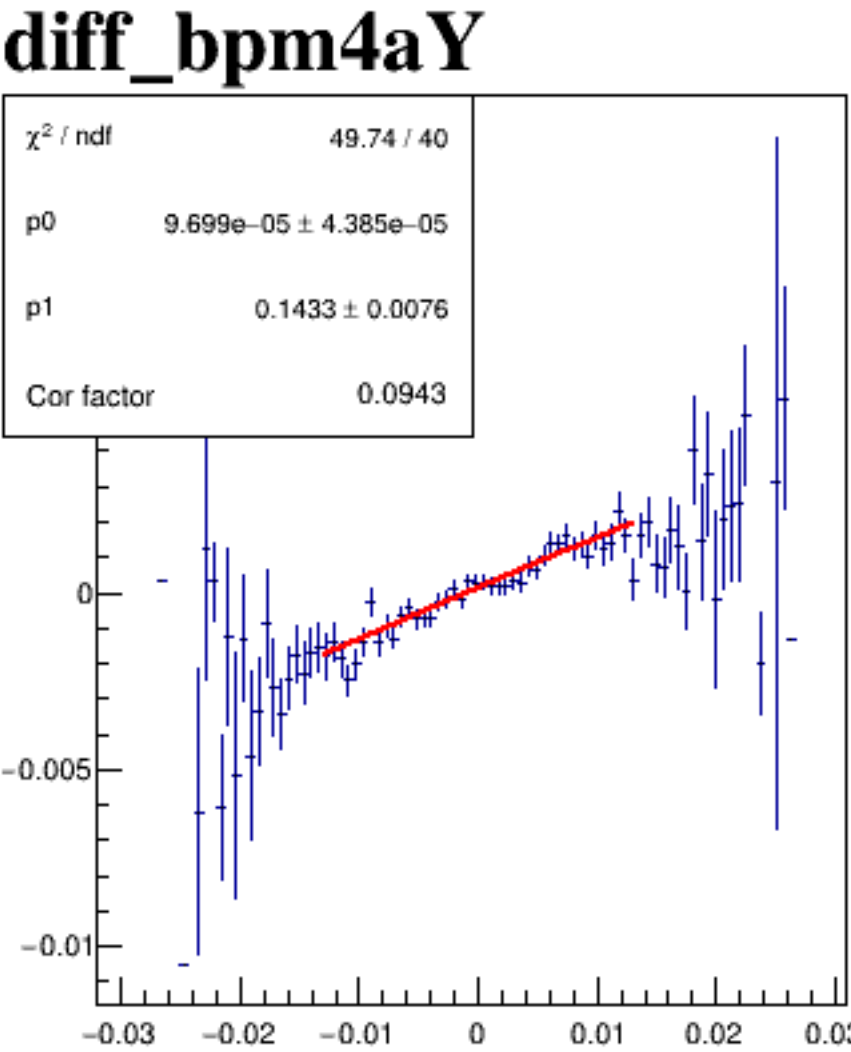
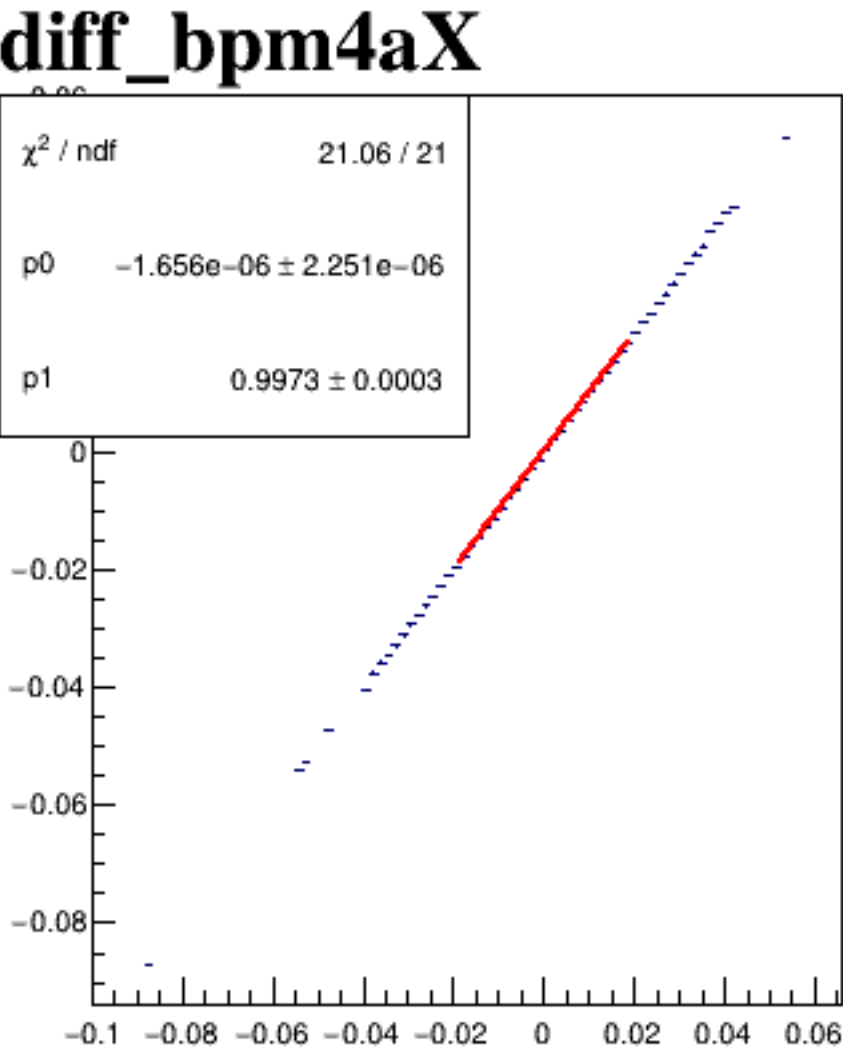


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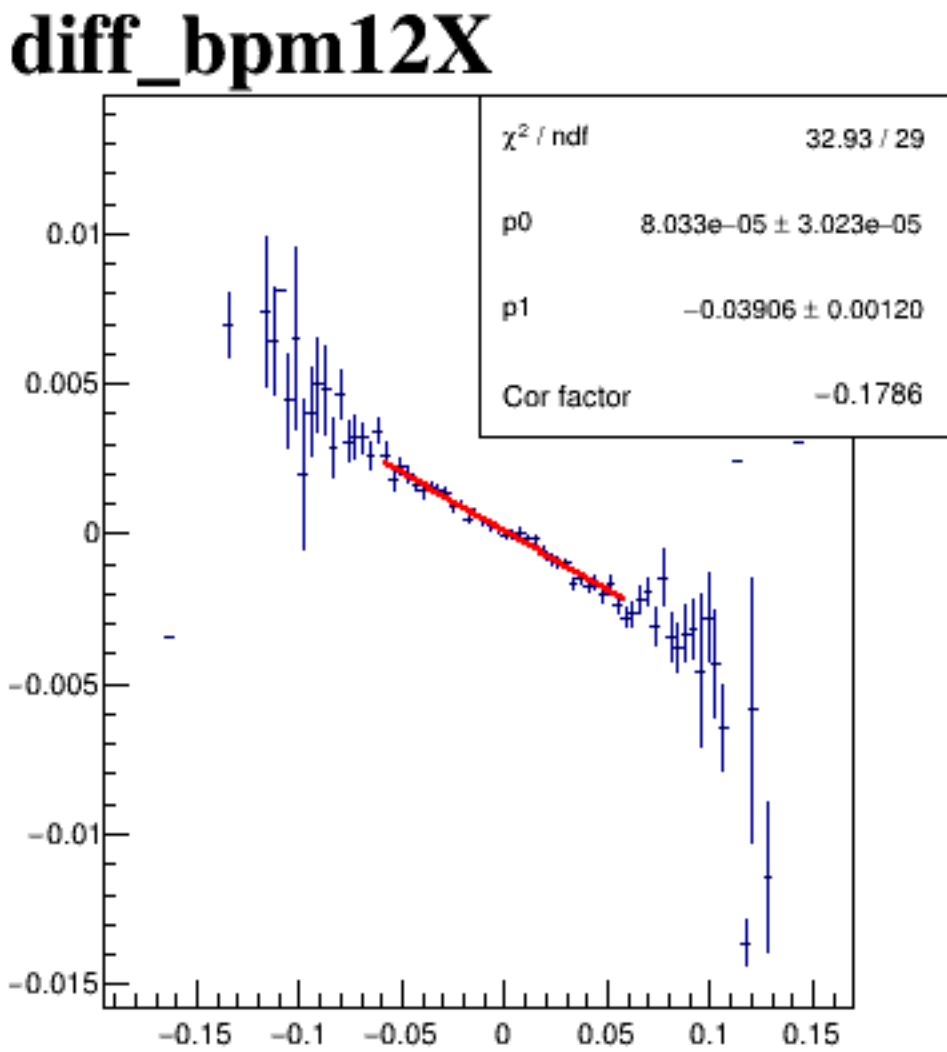
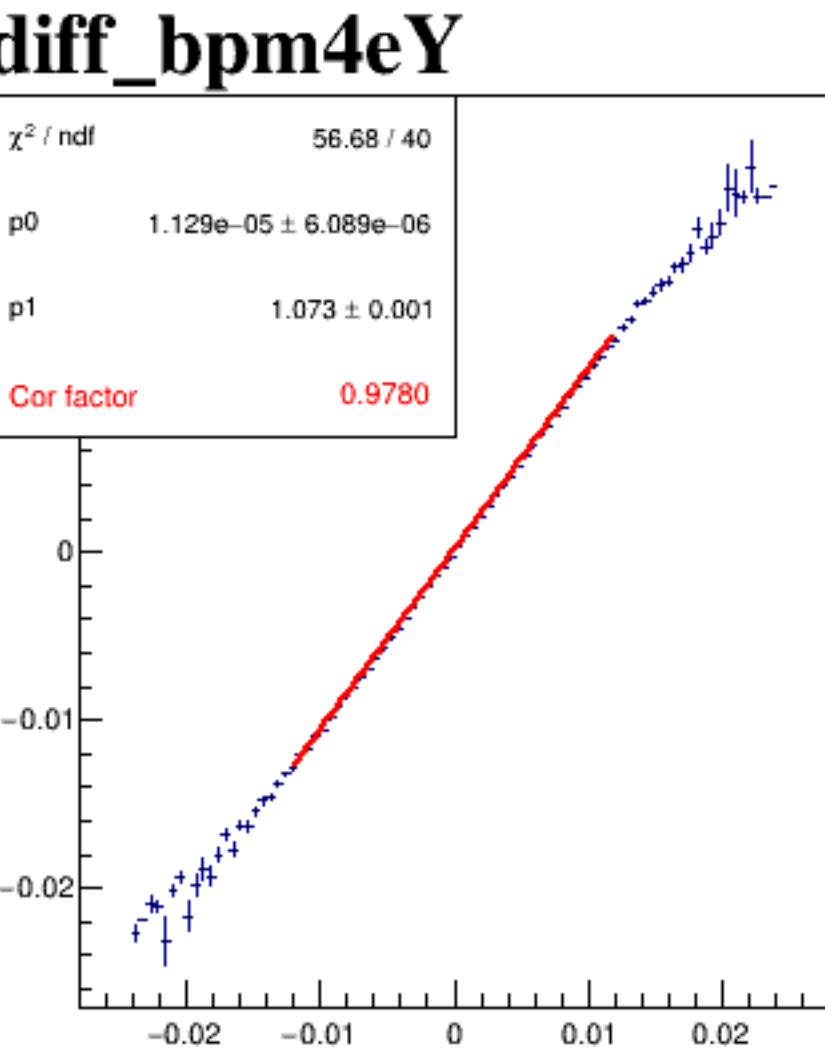
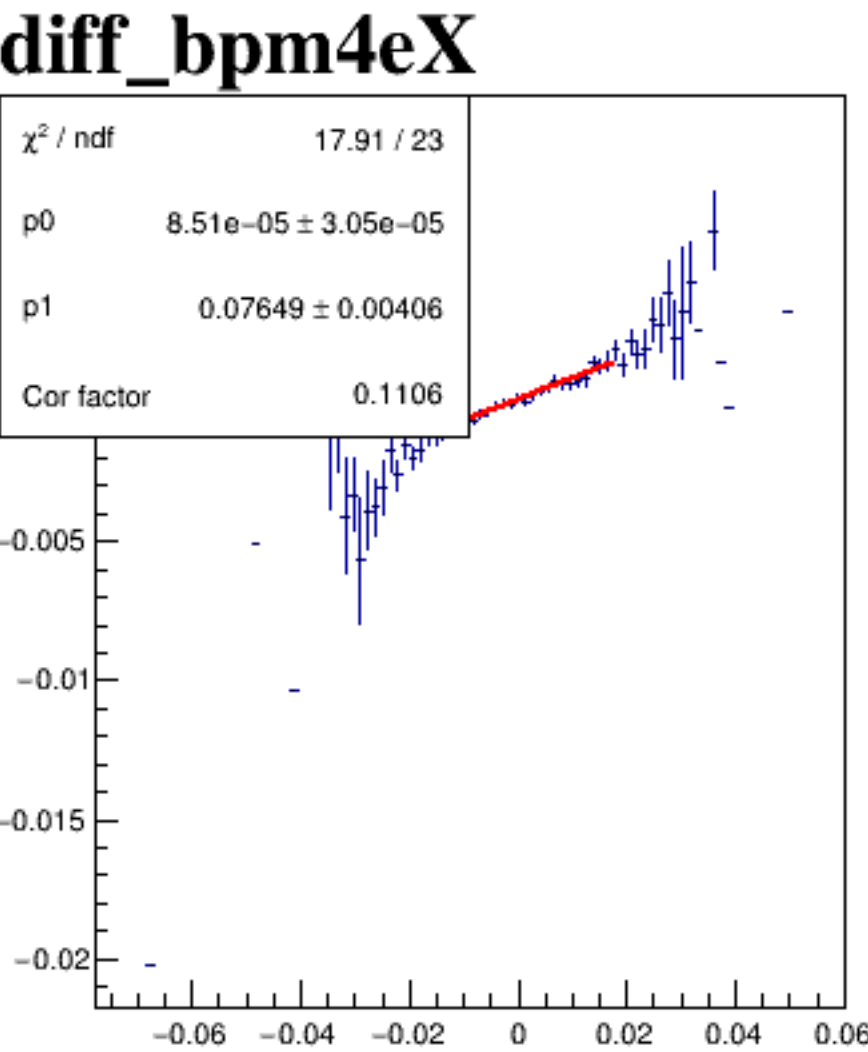
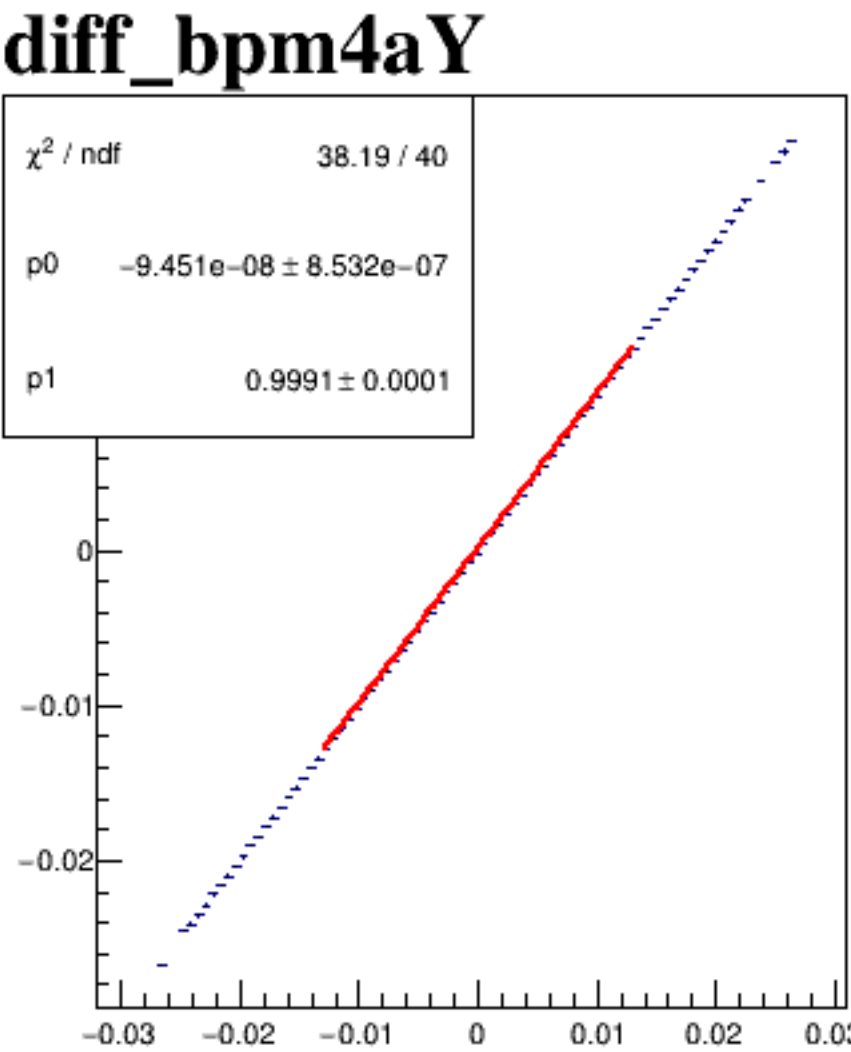
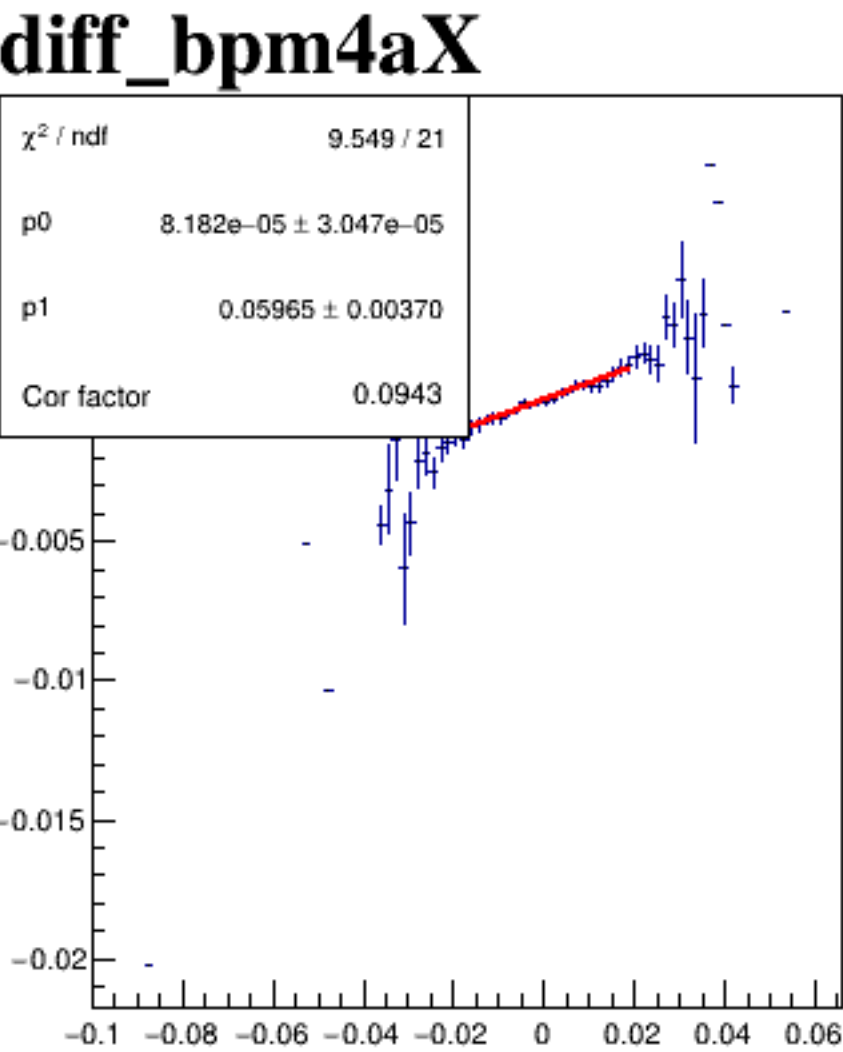


run6597_000_diff_bpm_mutual_correlation_COLZ_default.png

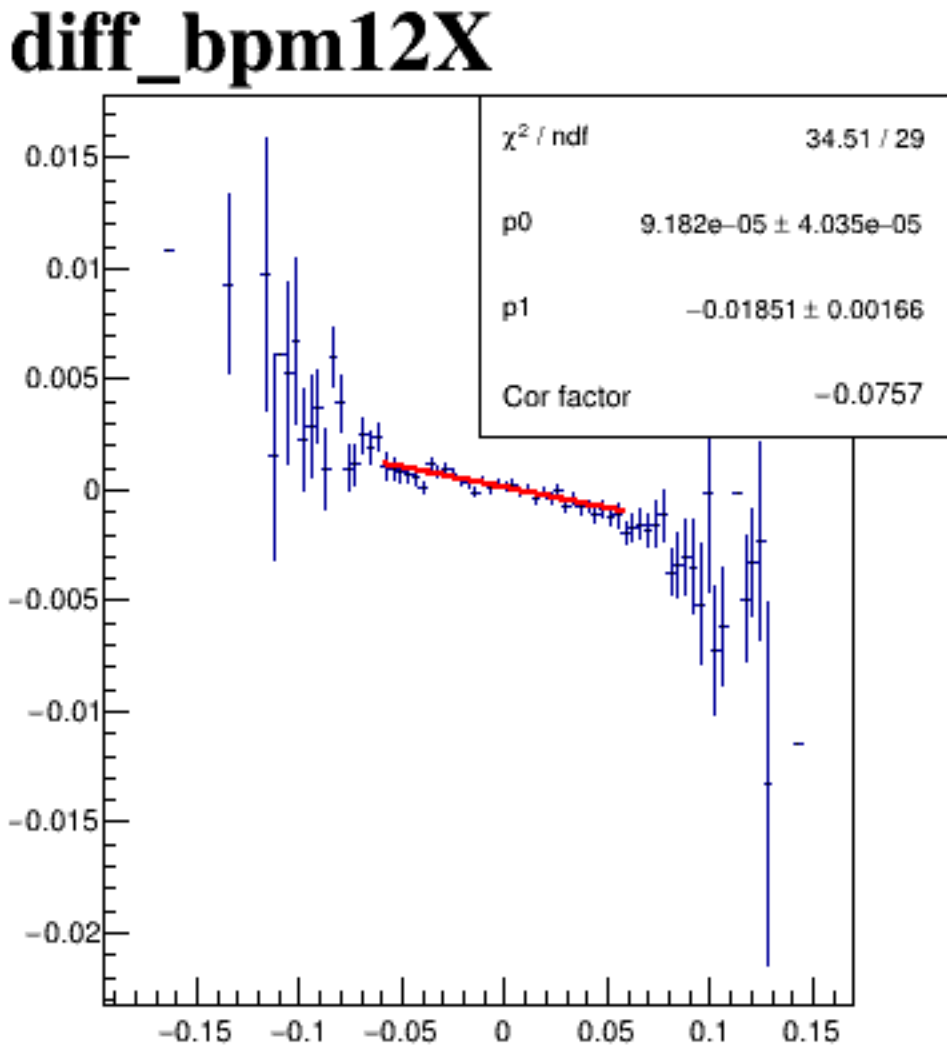
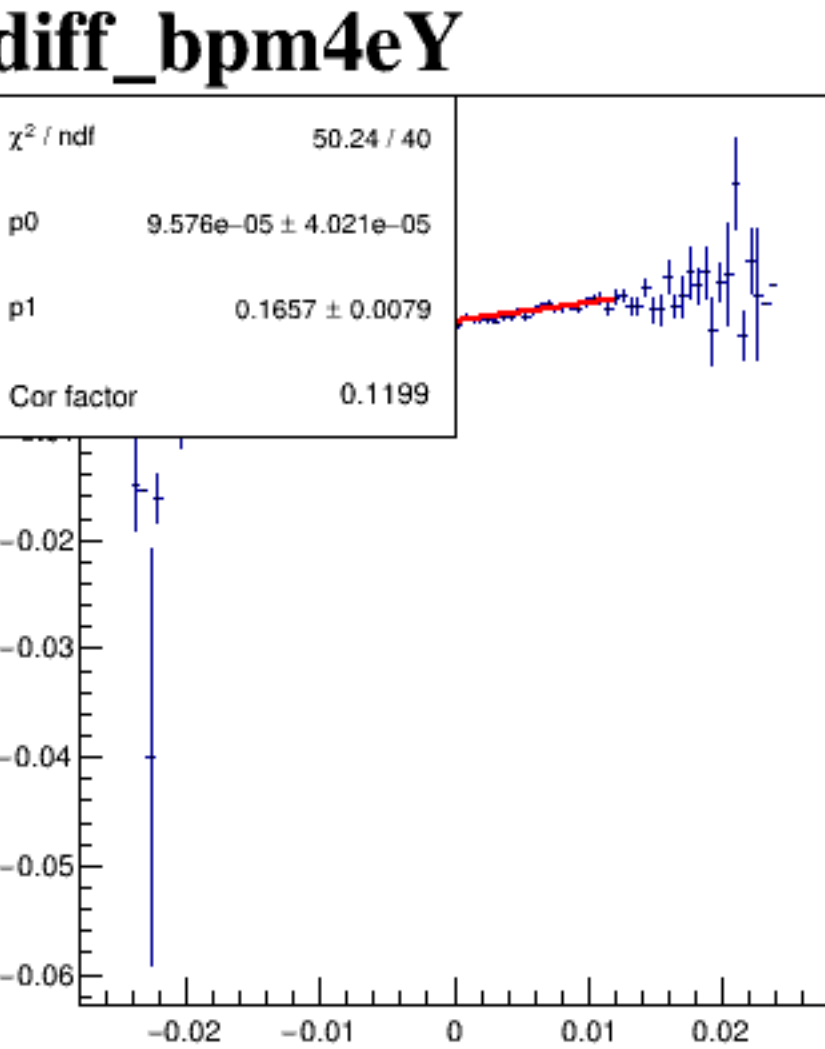
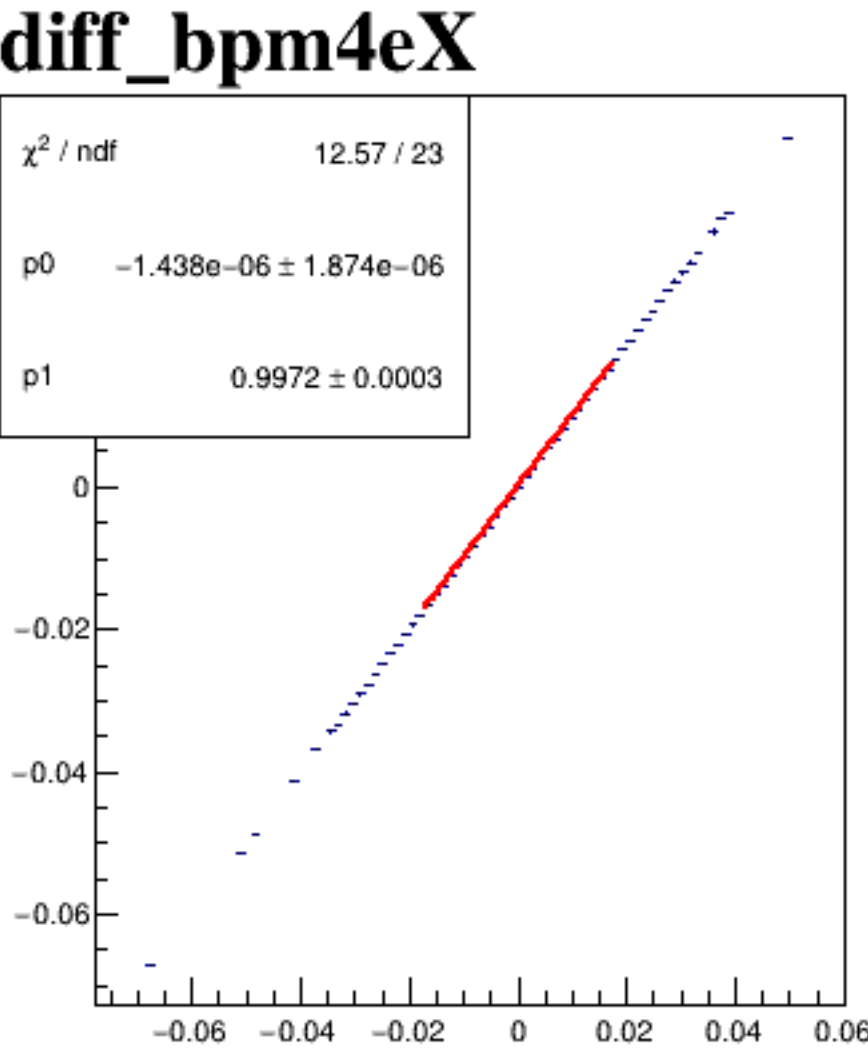
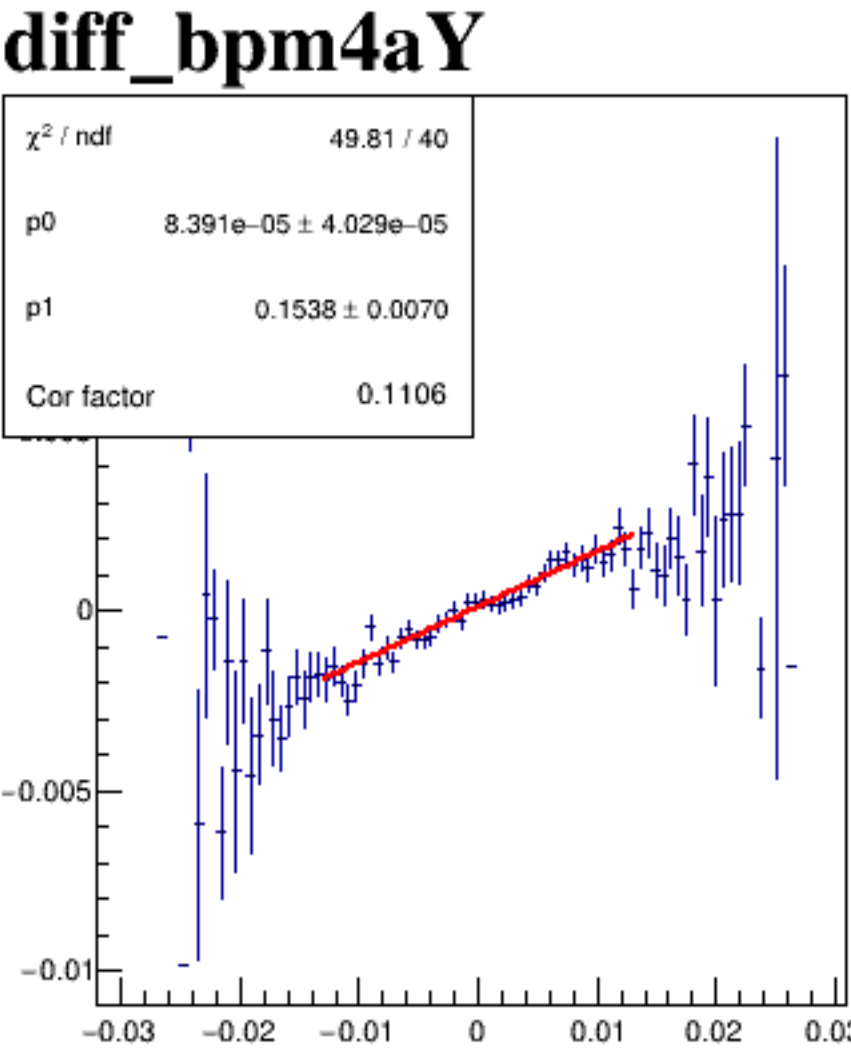
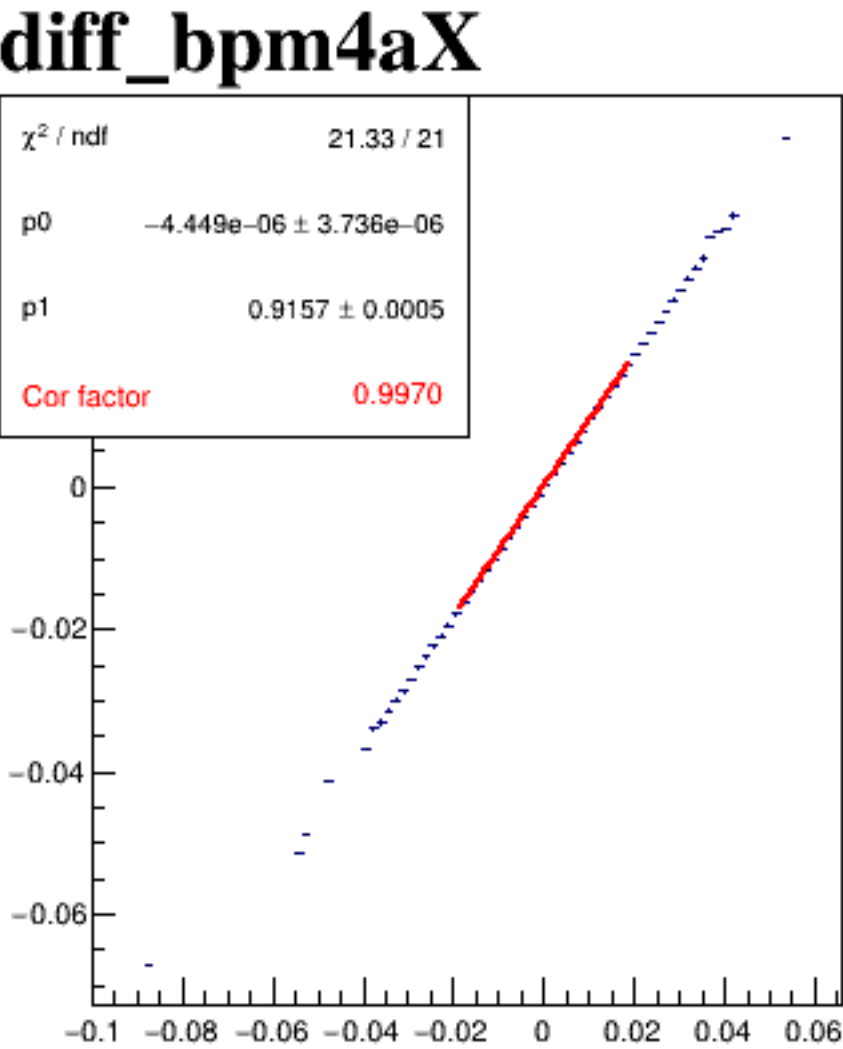
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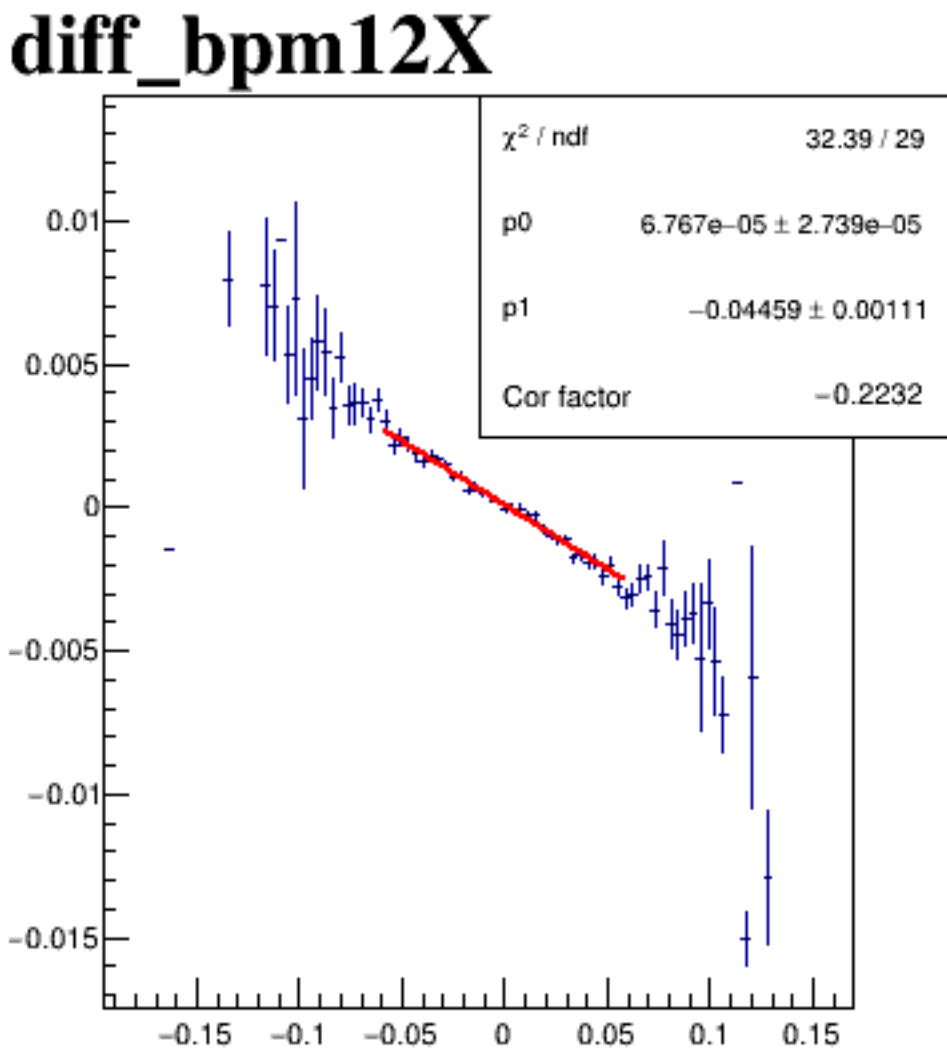
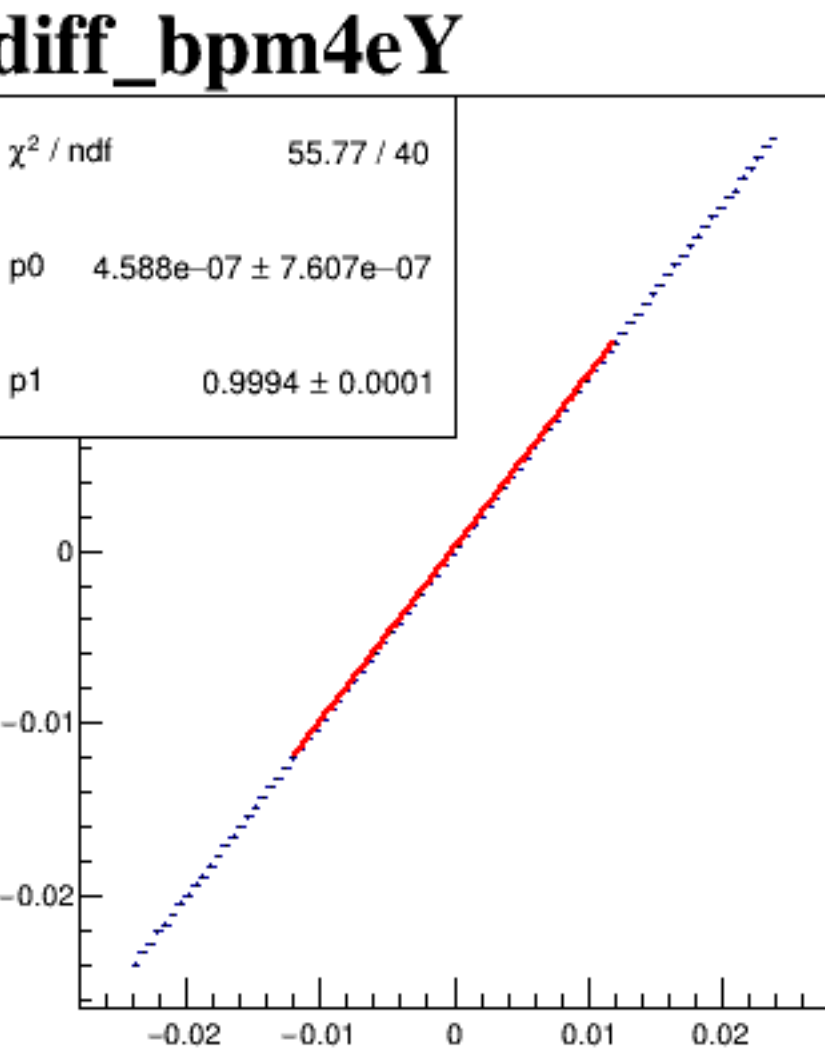
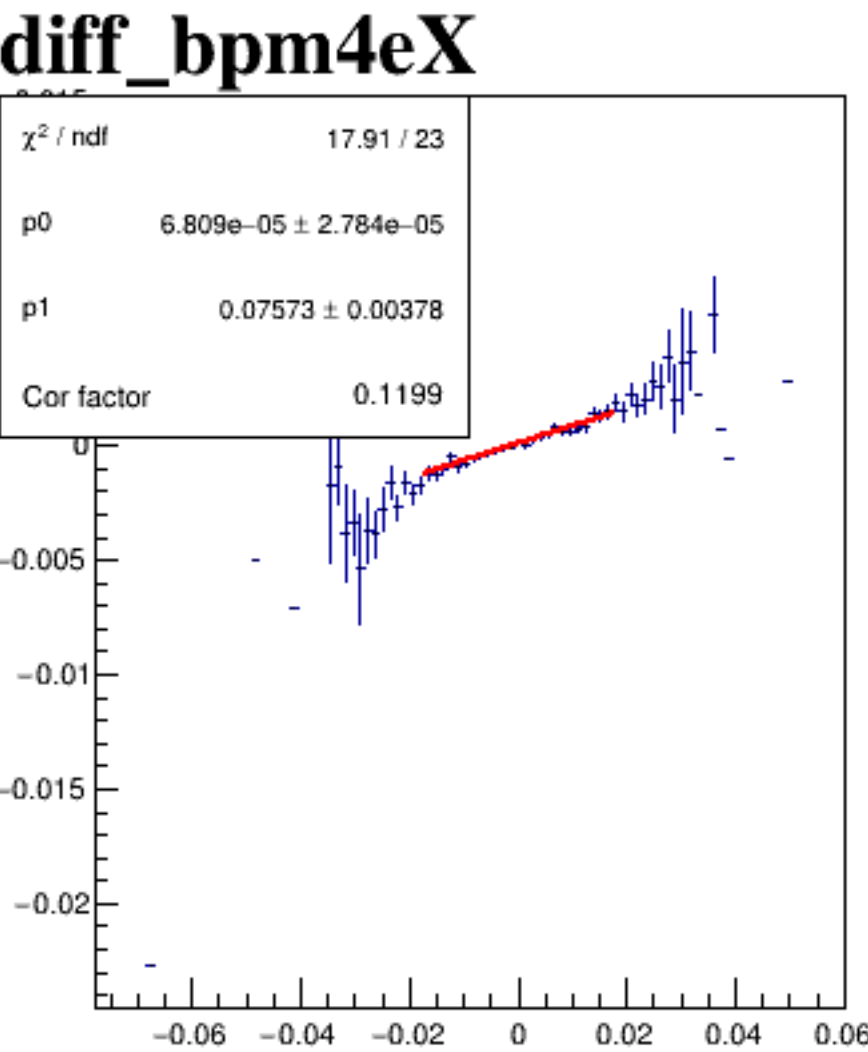
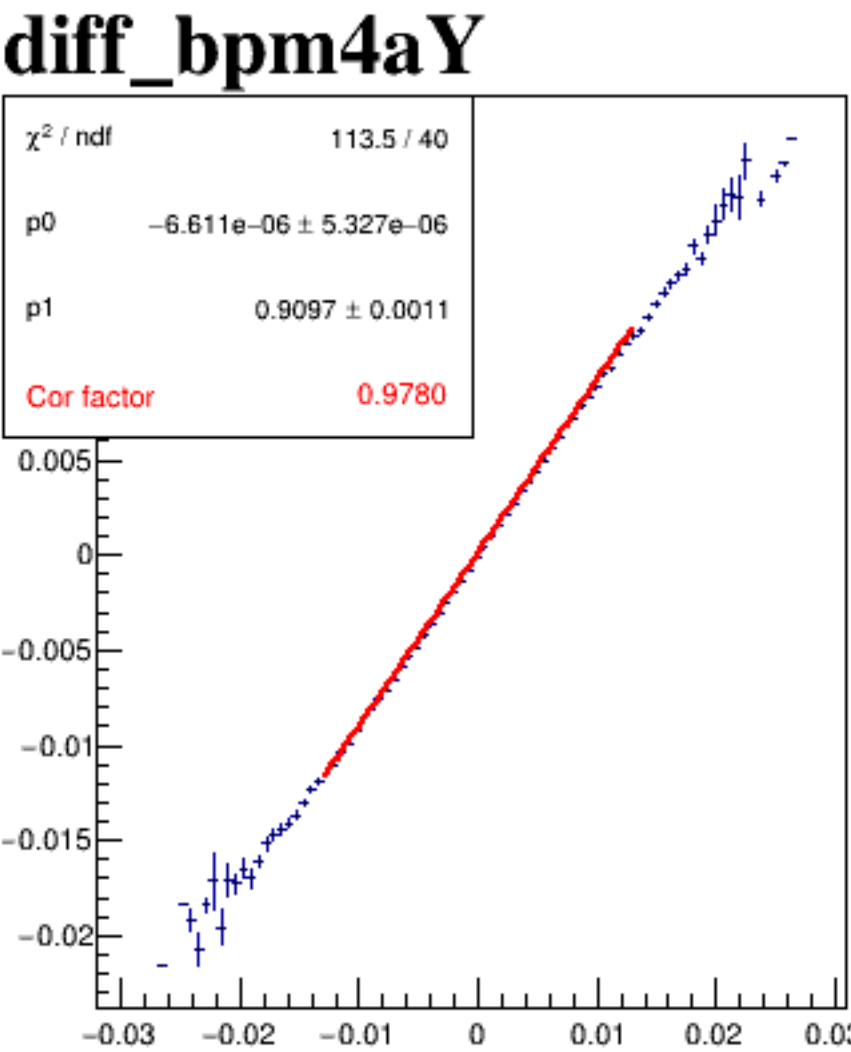
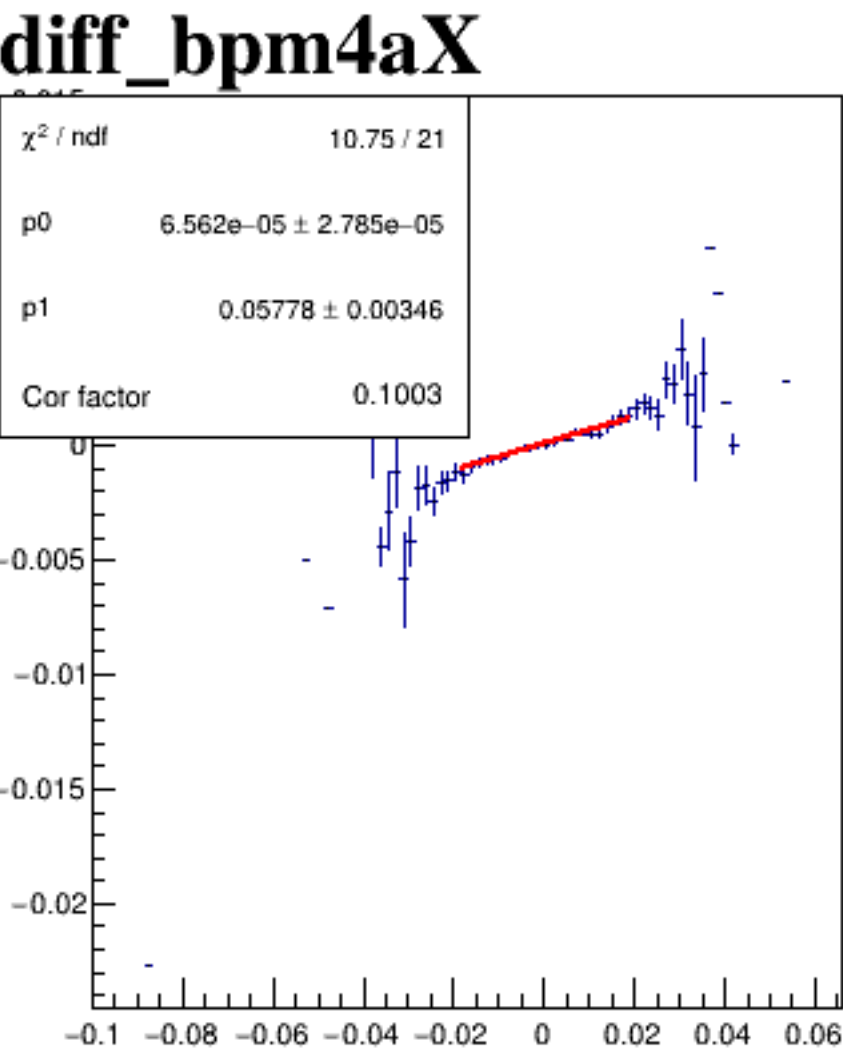
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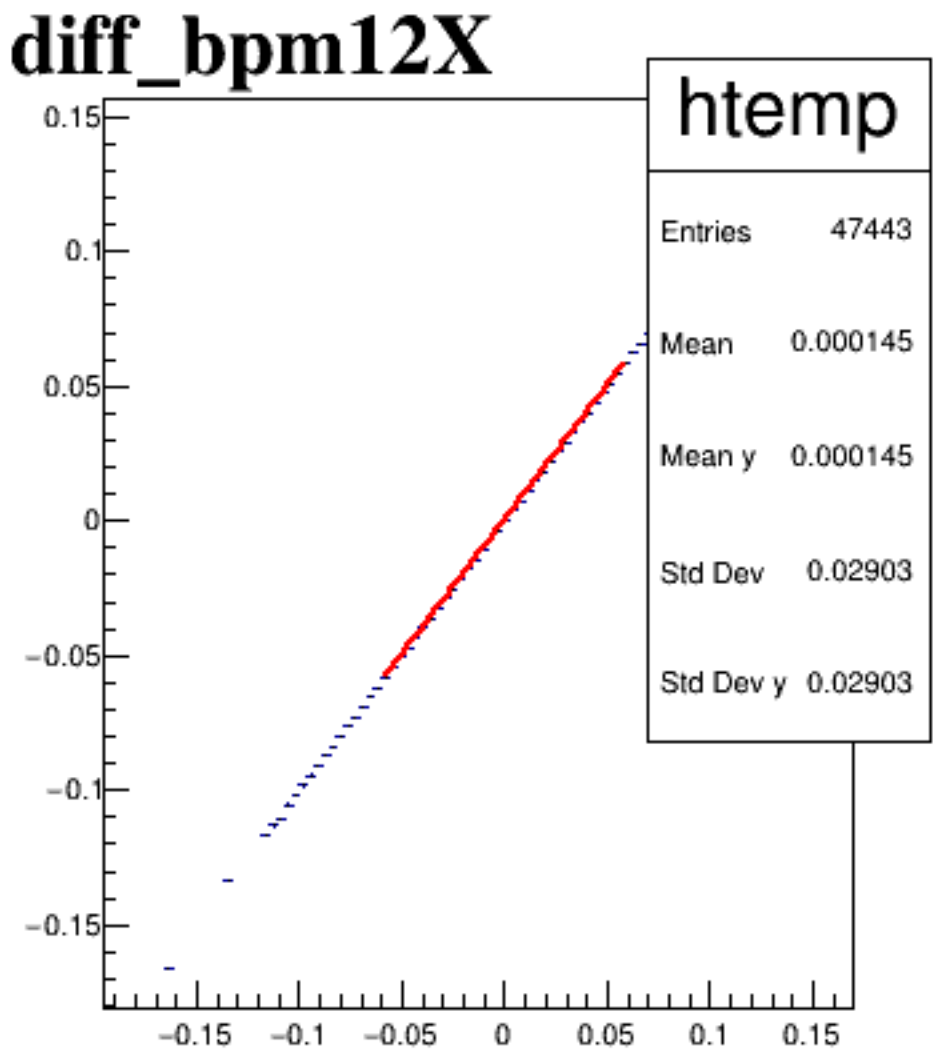
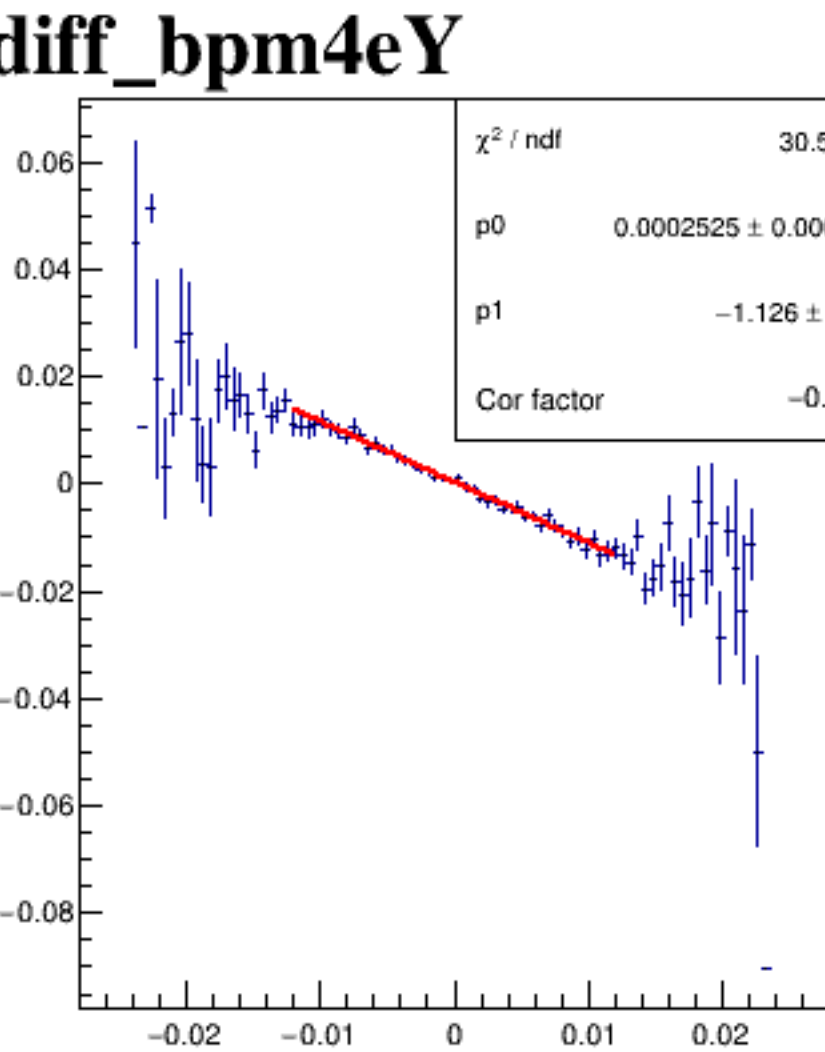
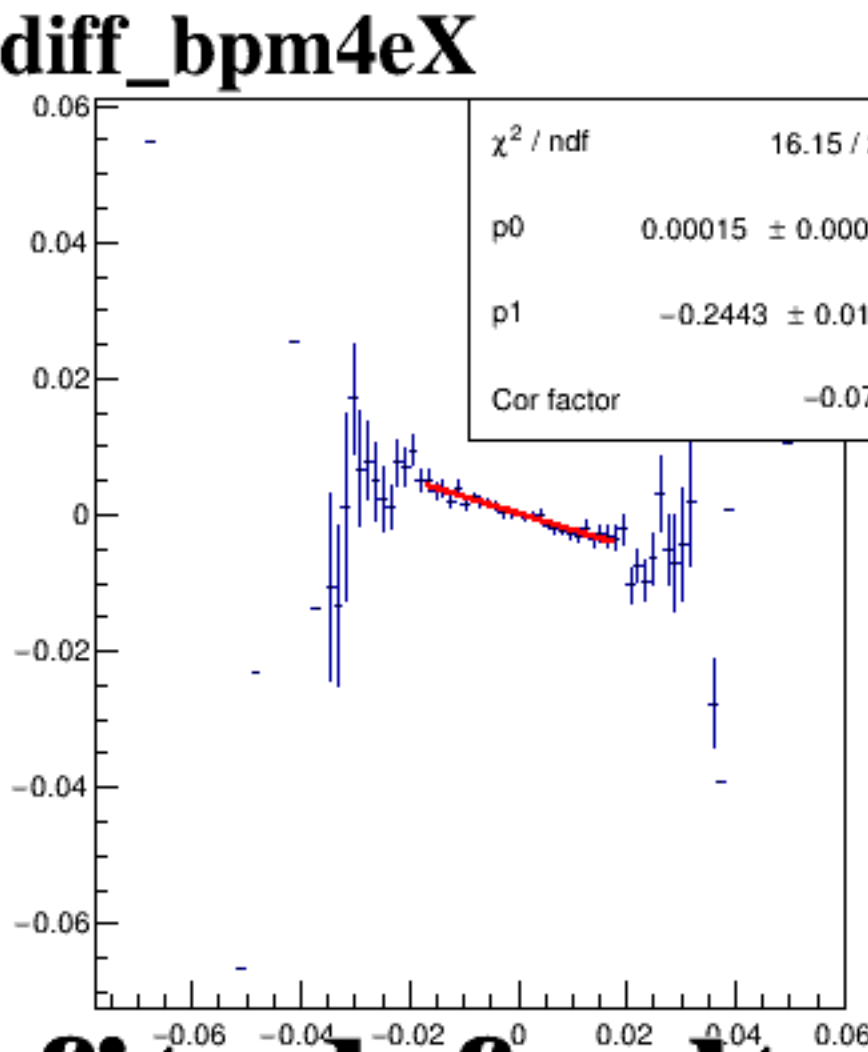
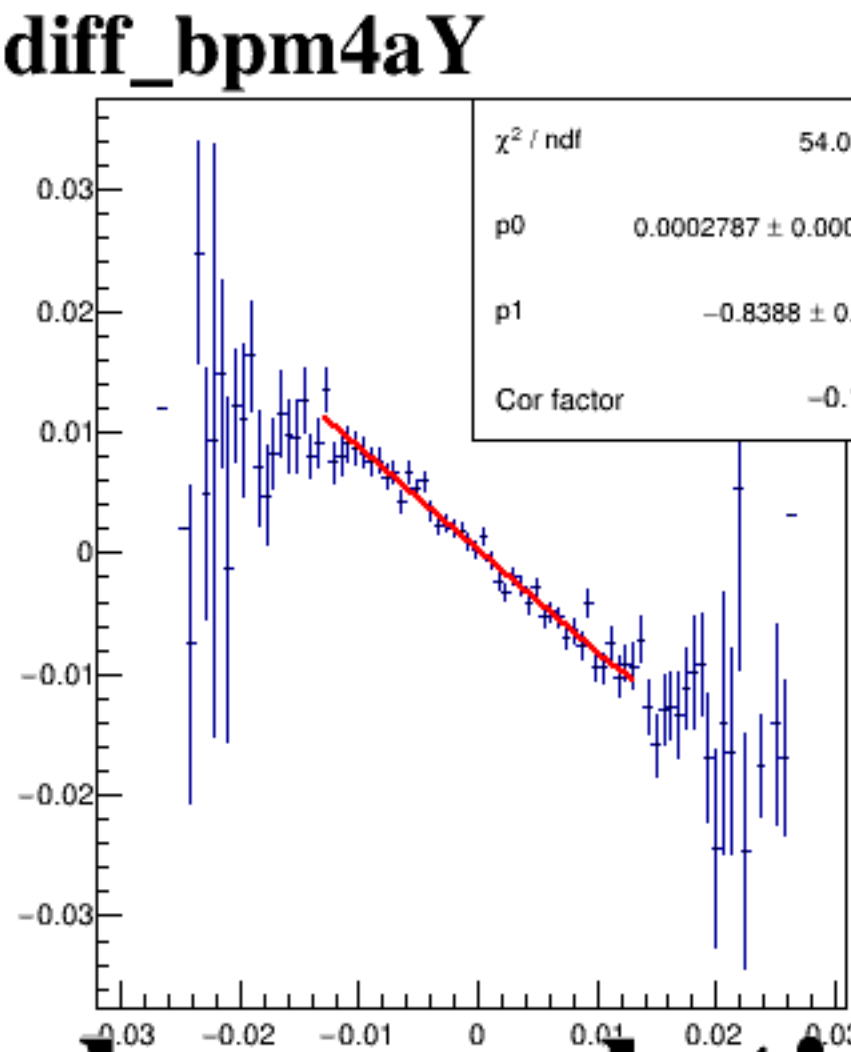
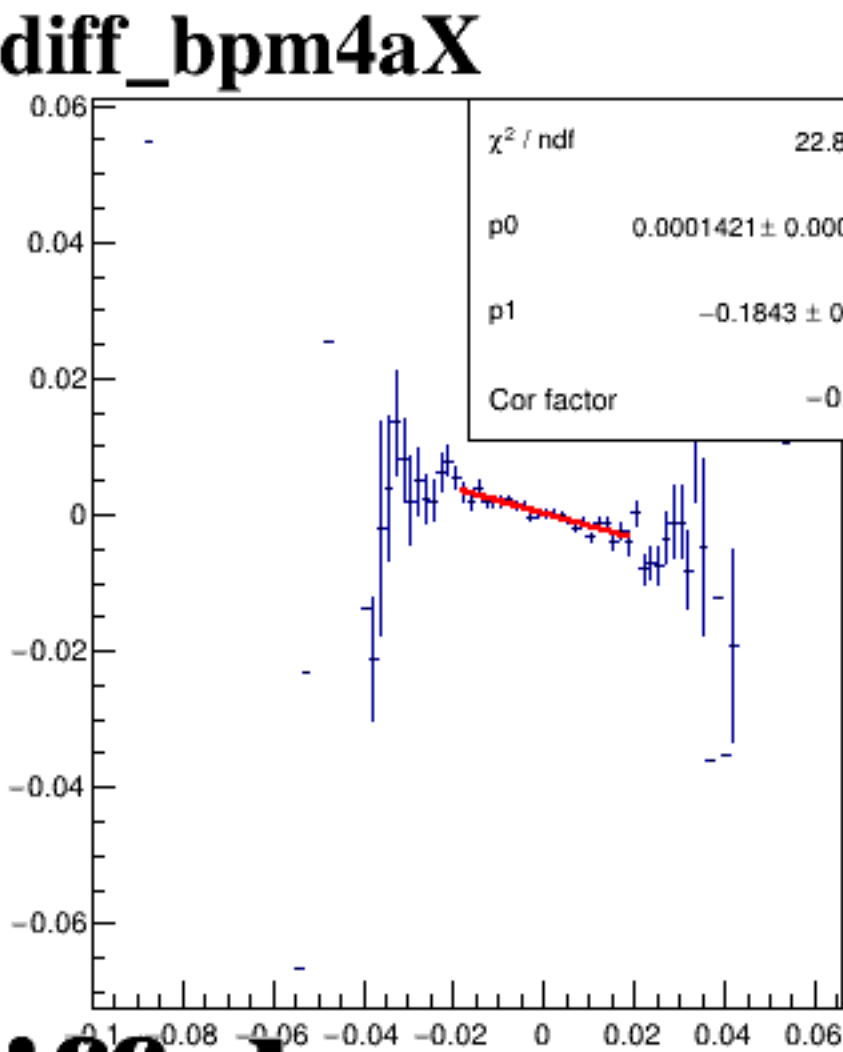
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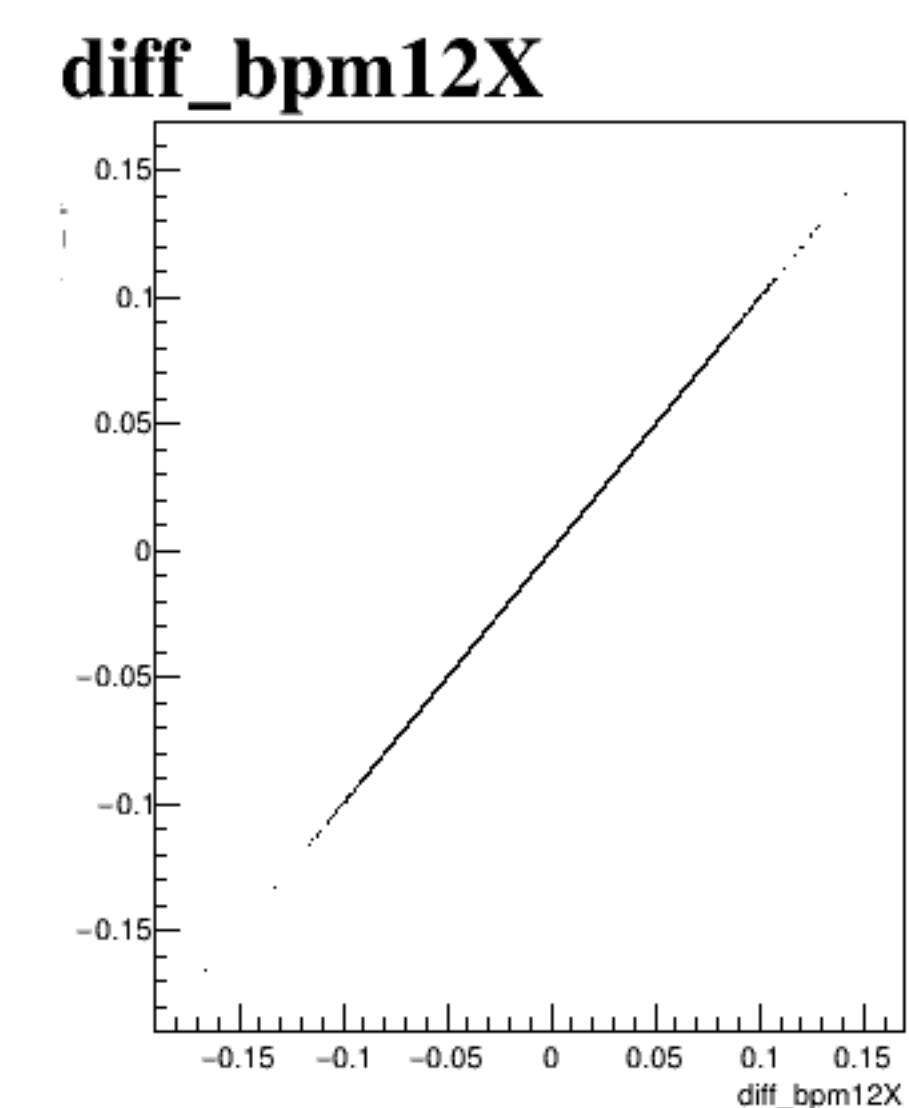
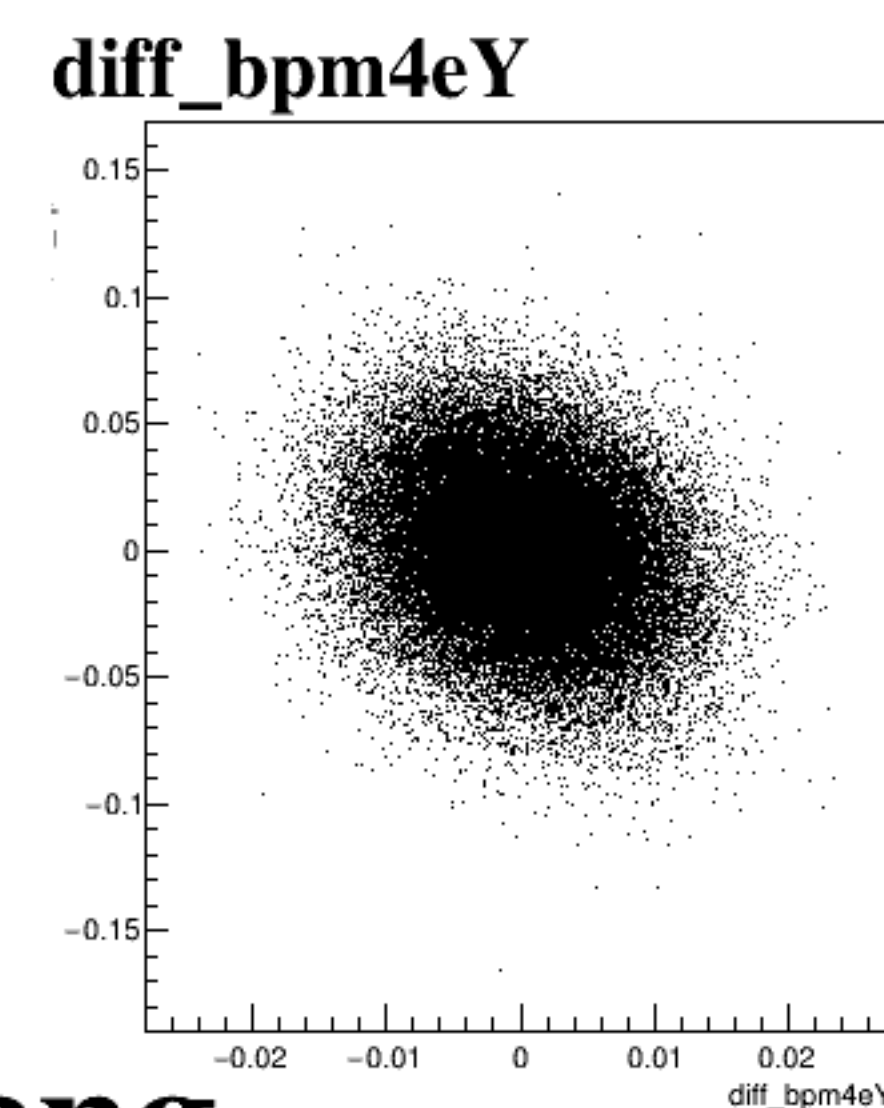
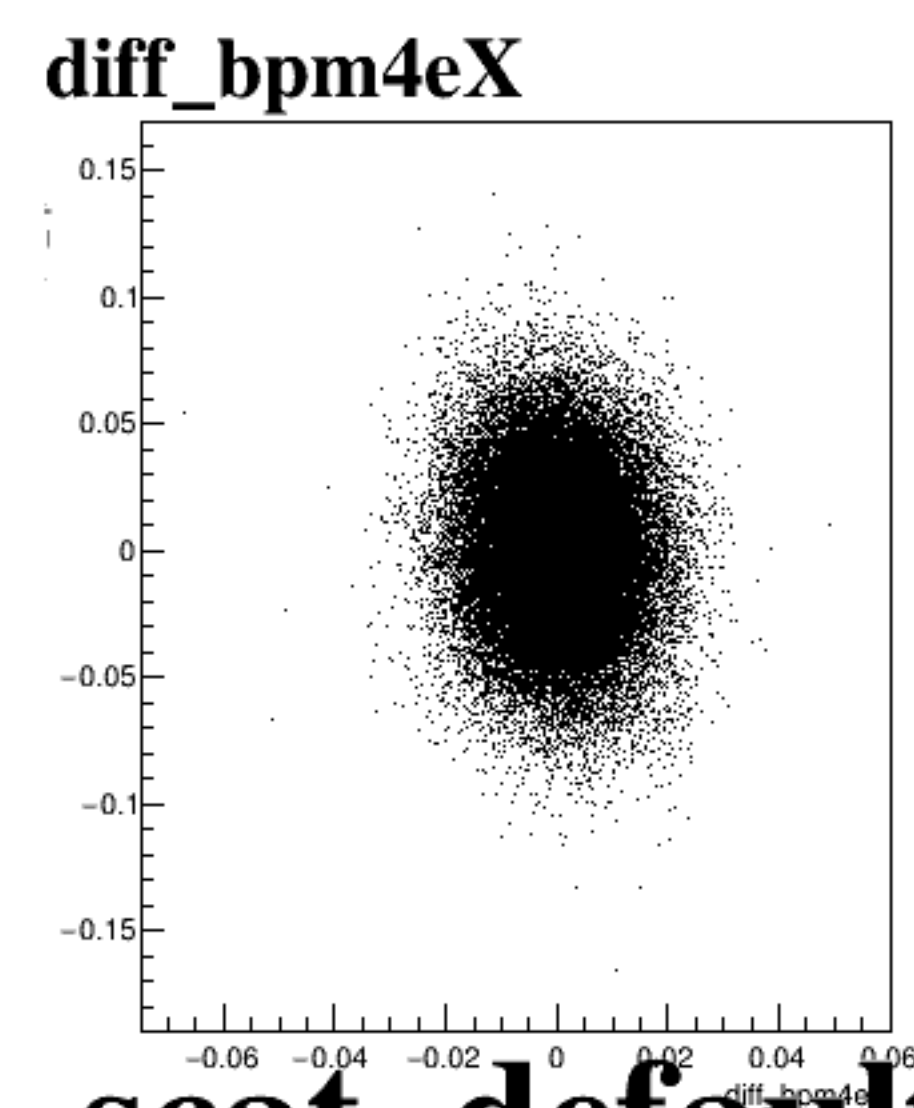
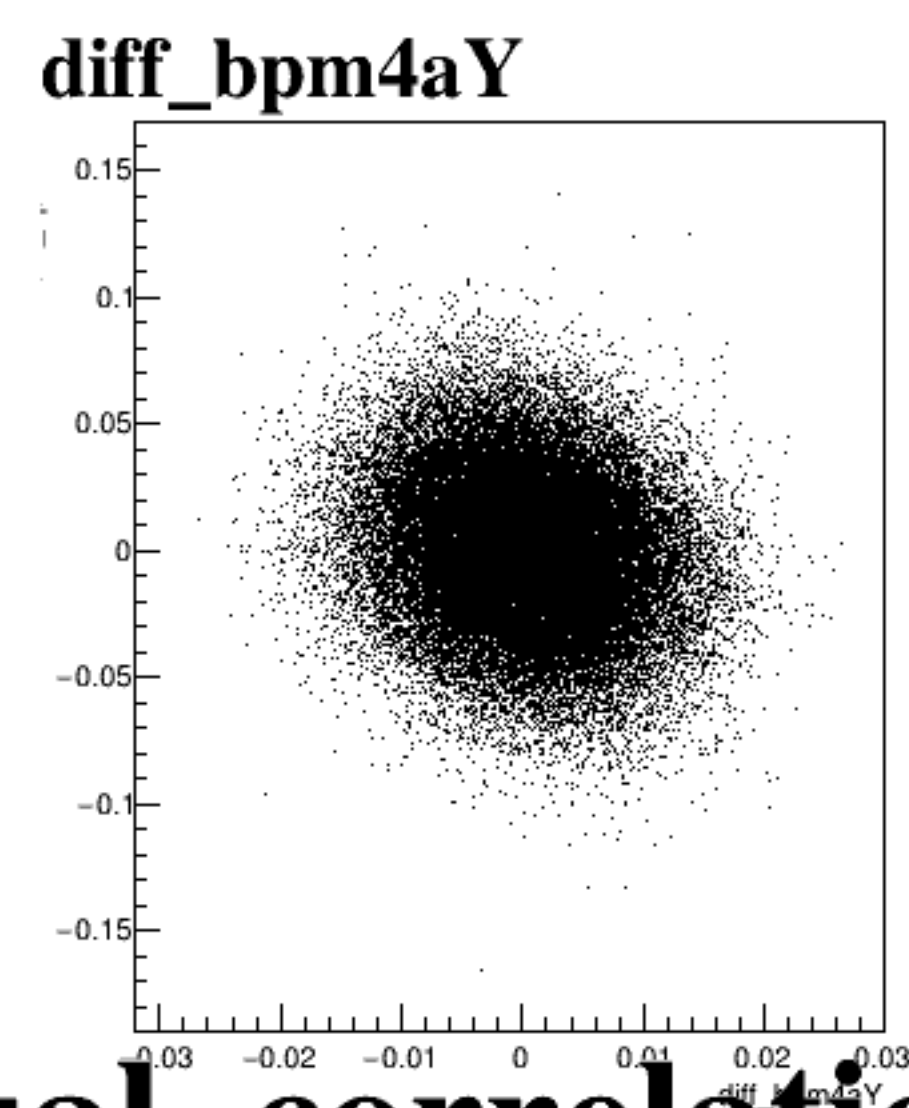
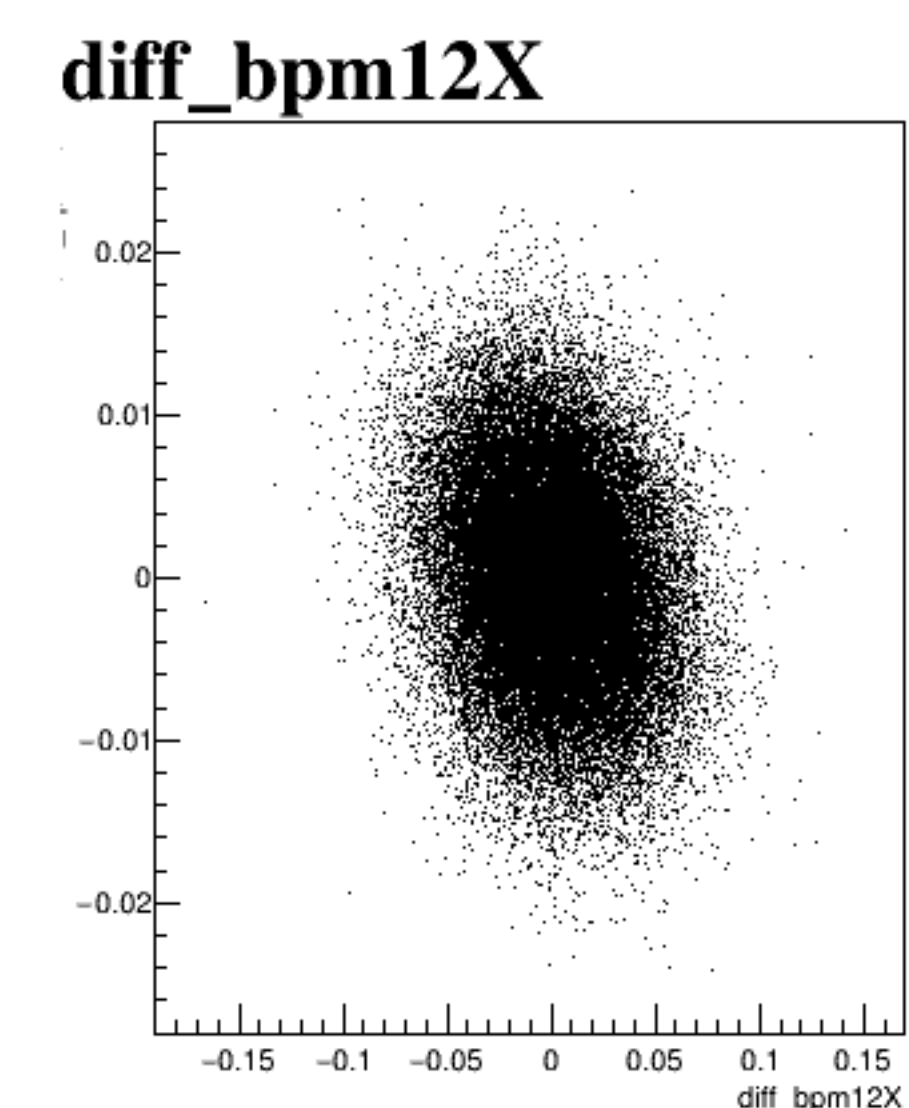
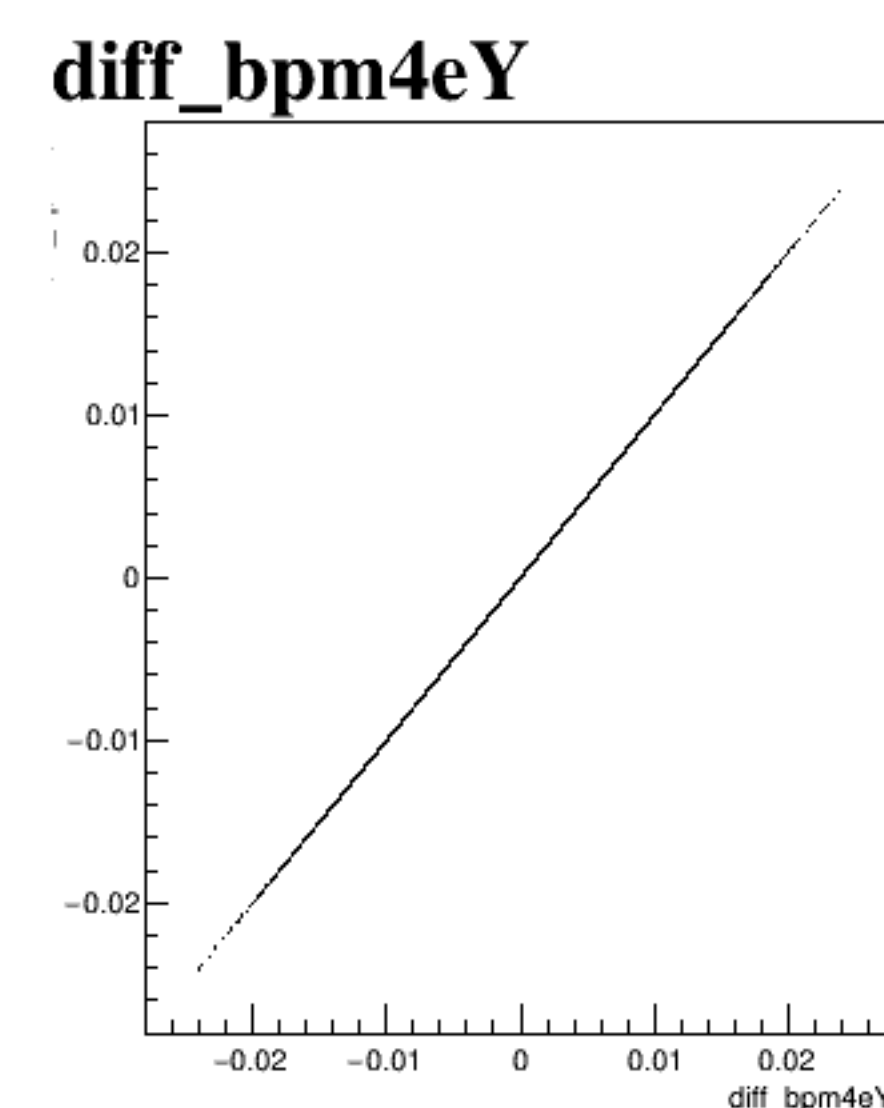
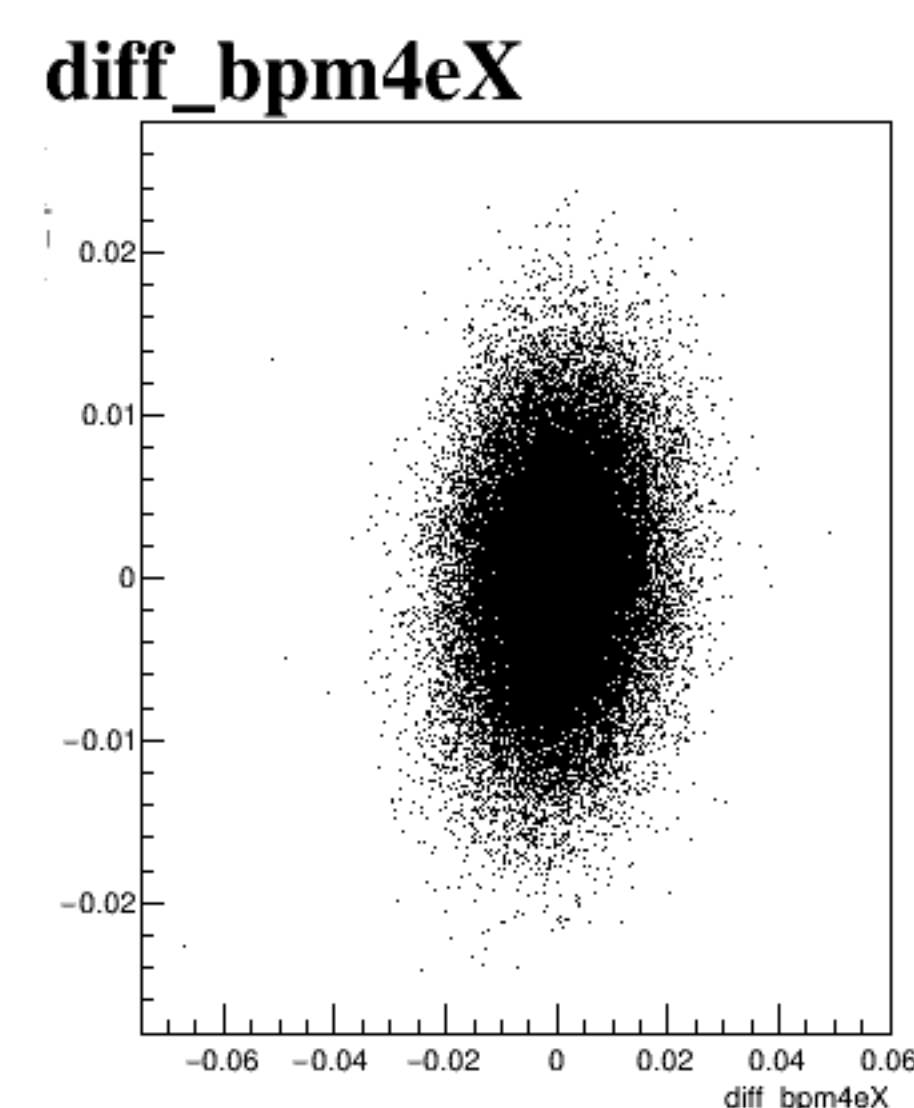
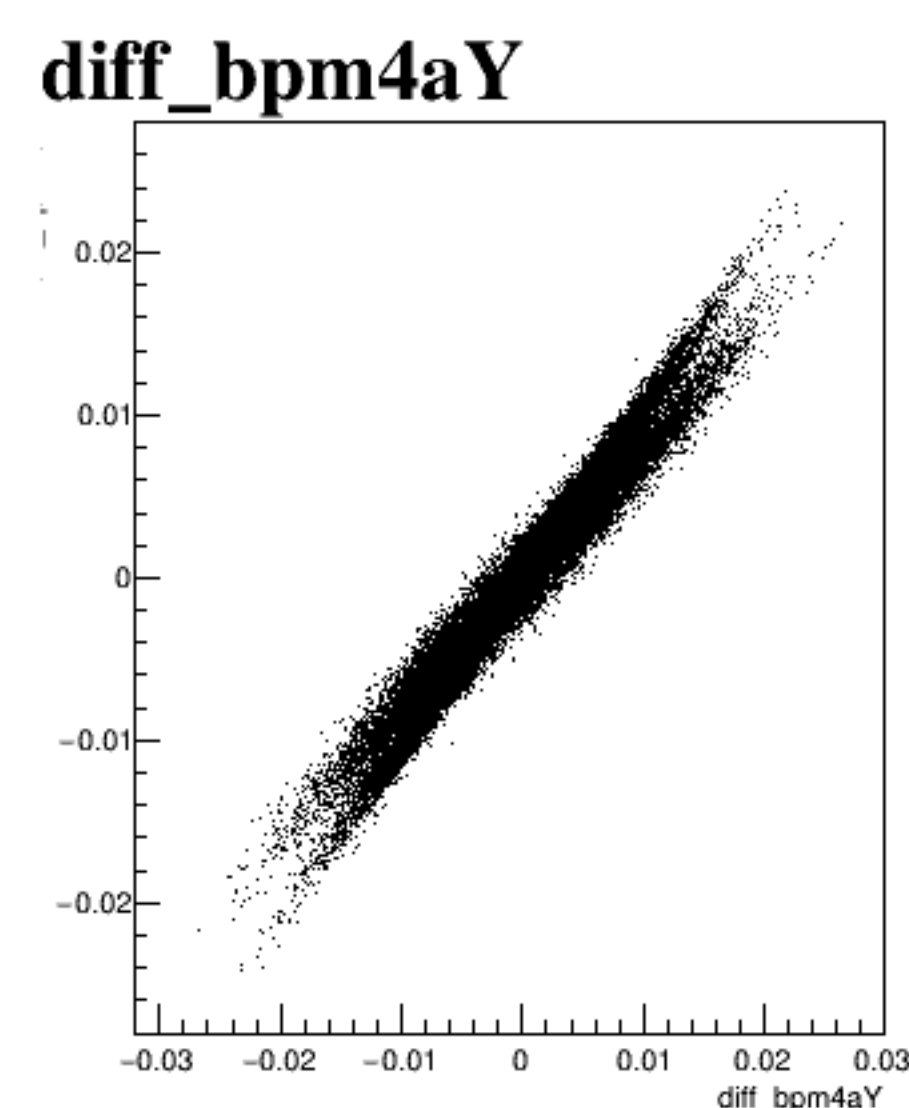
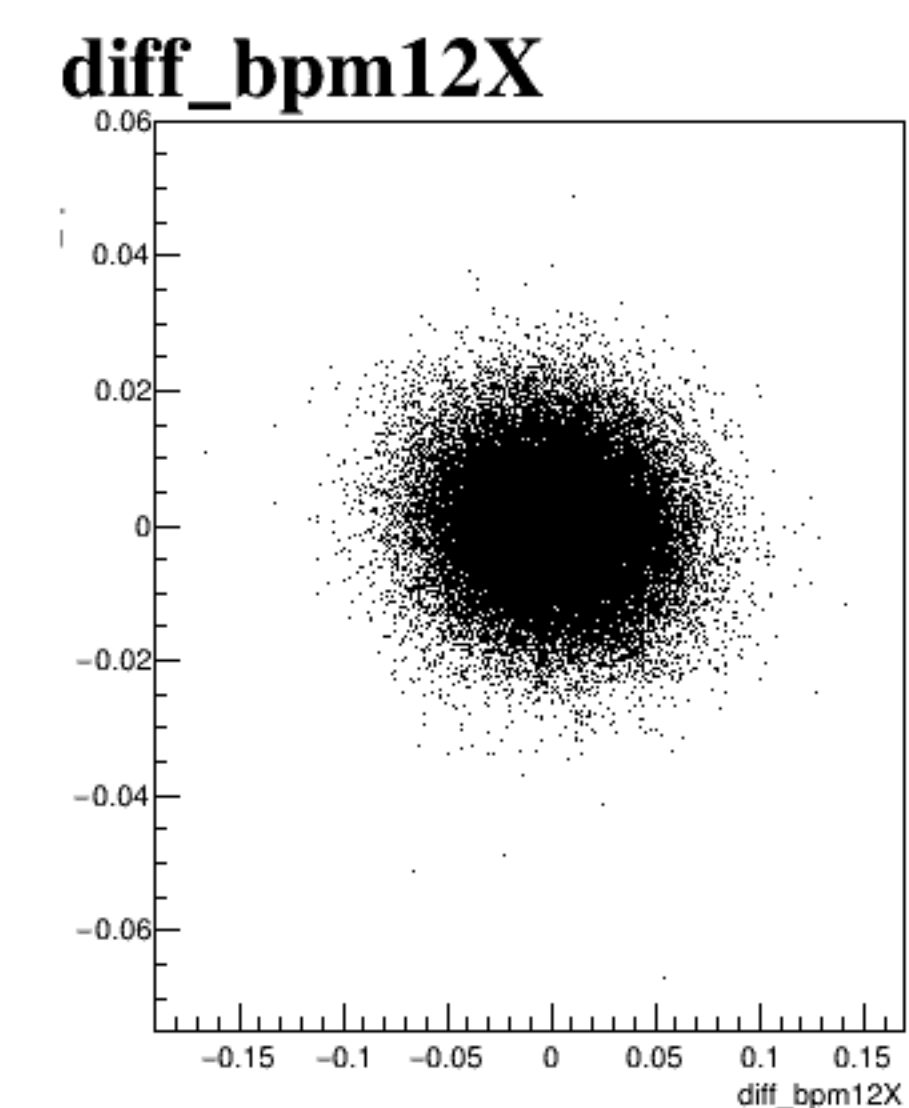
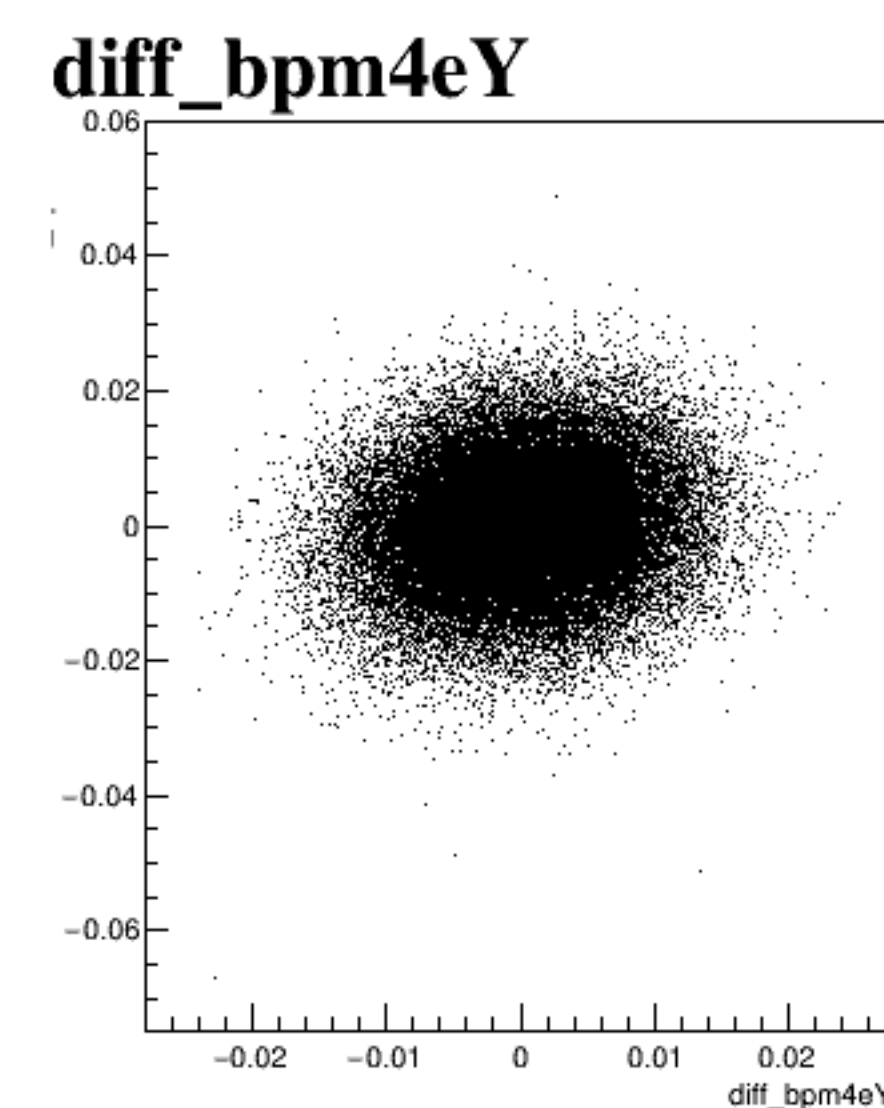
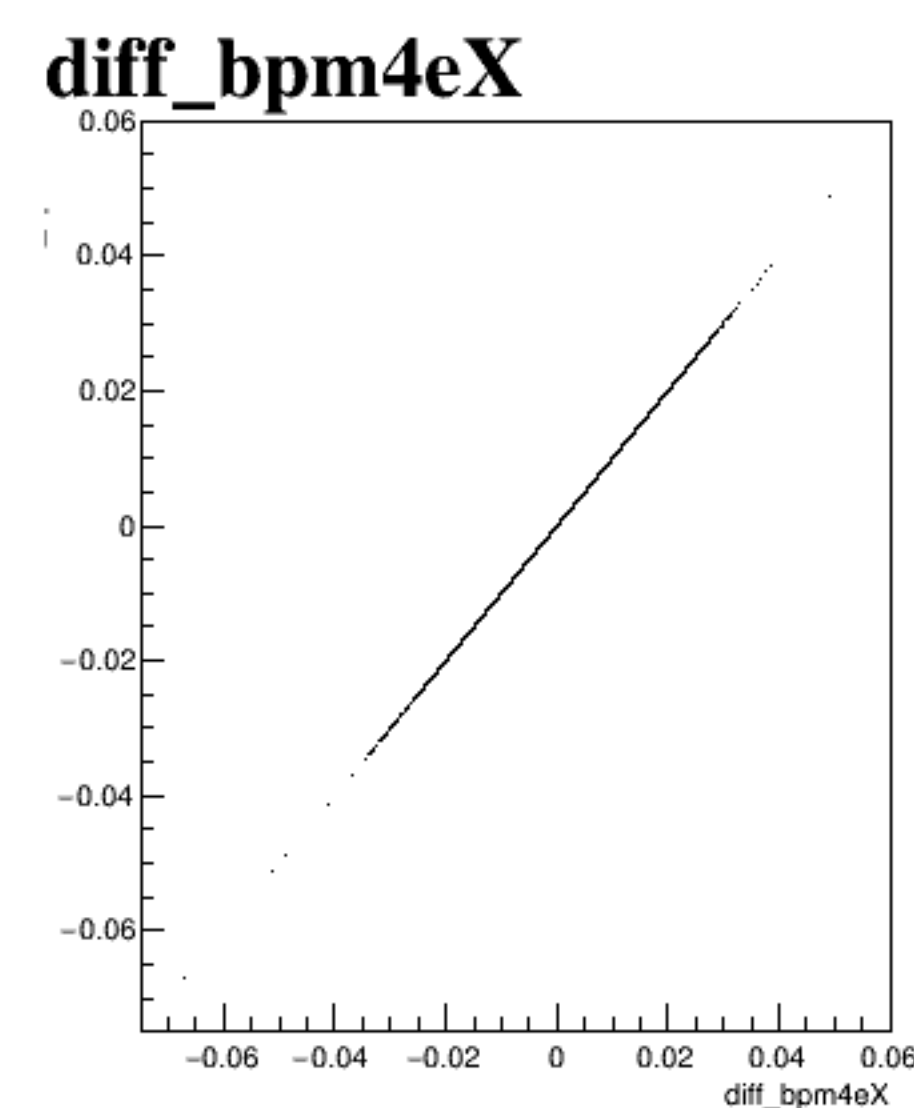
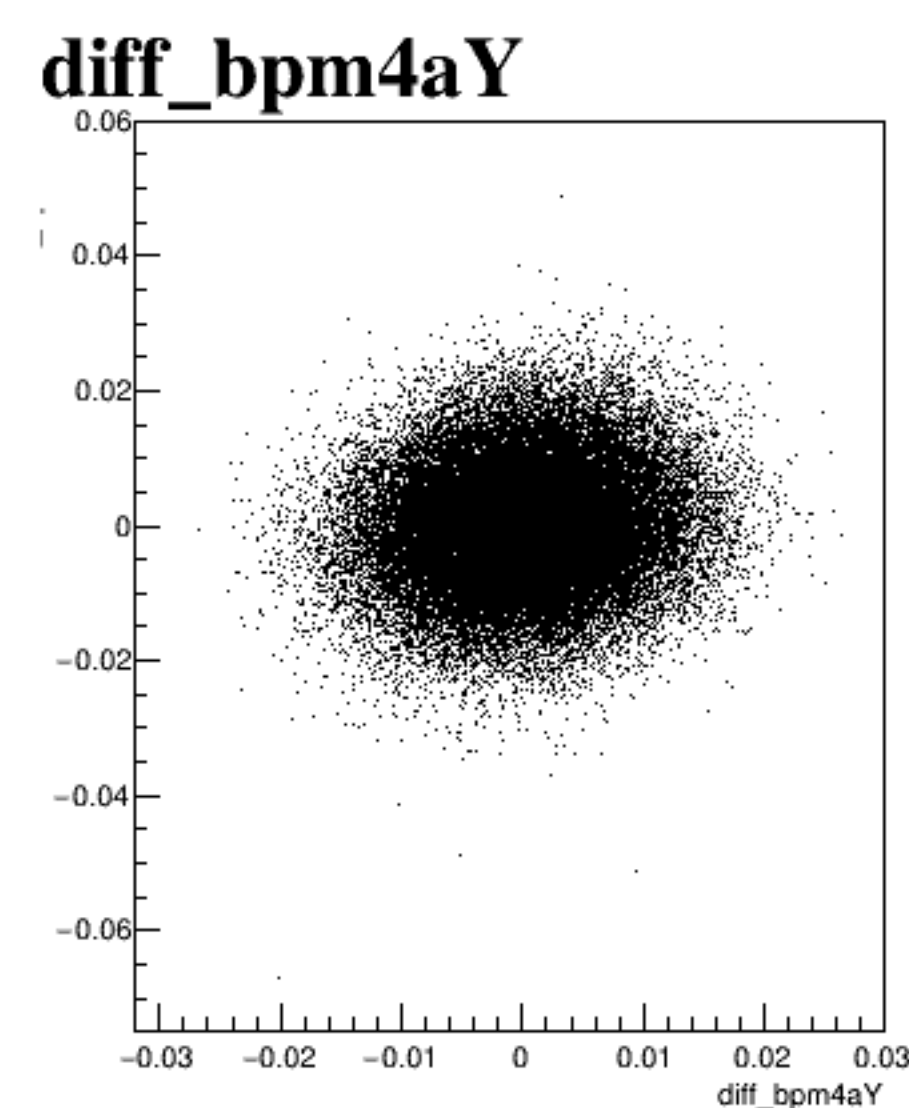
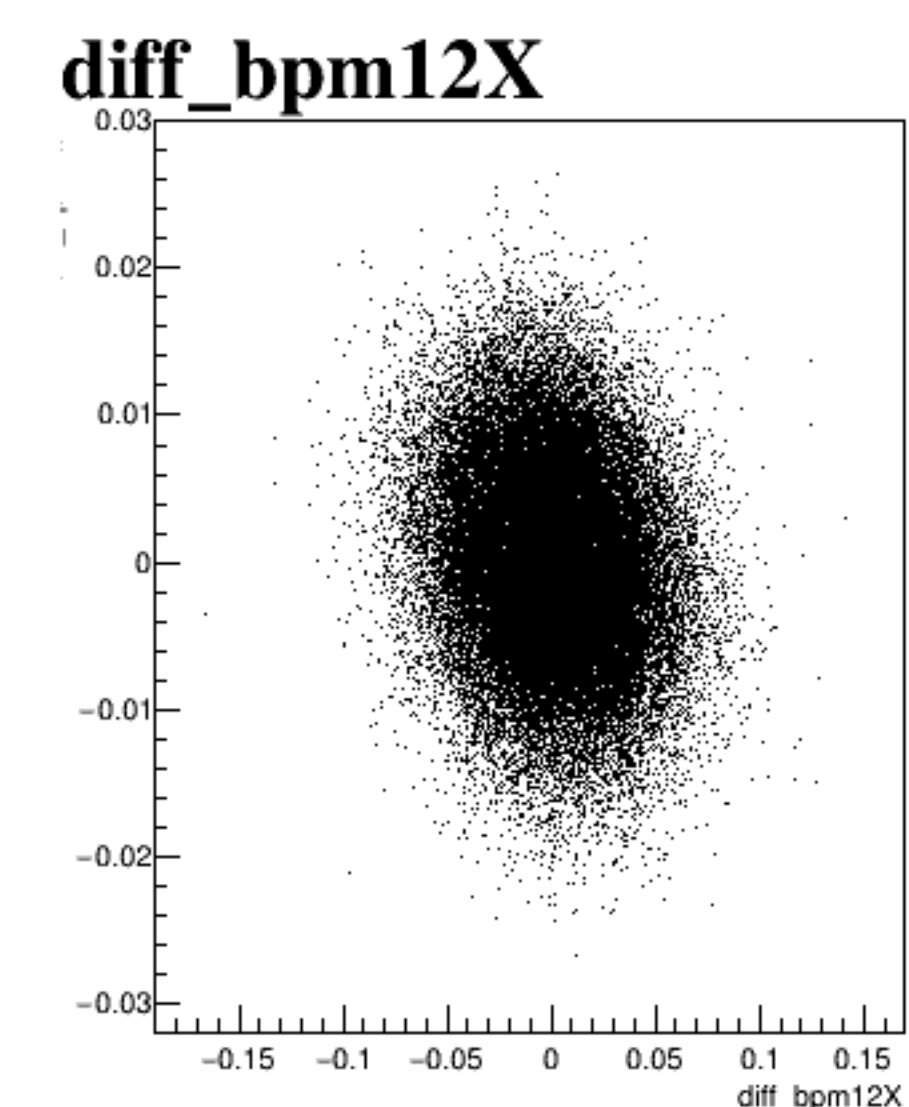
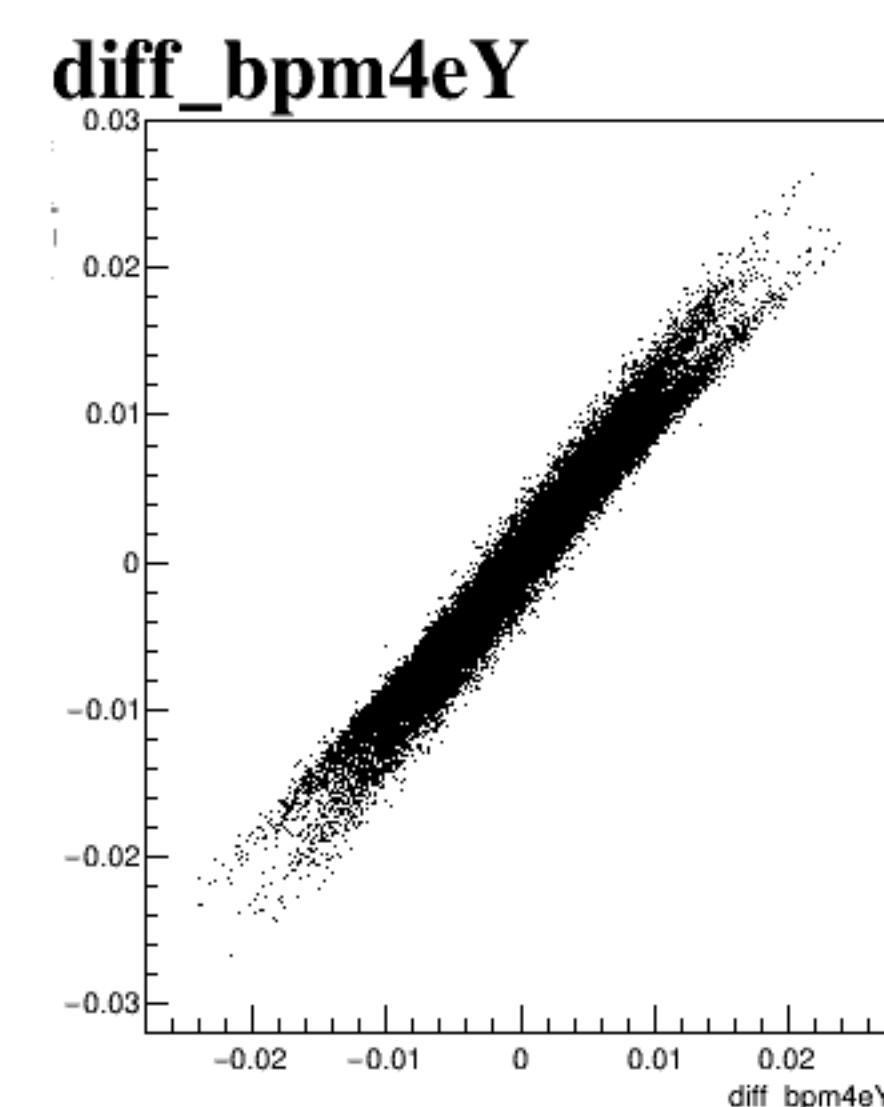
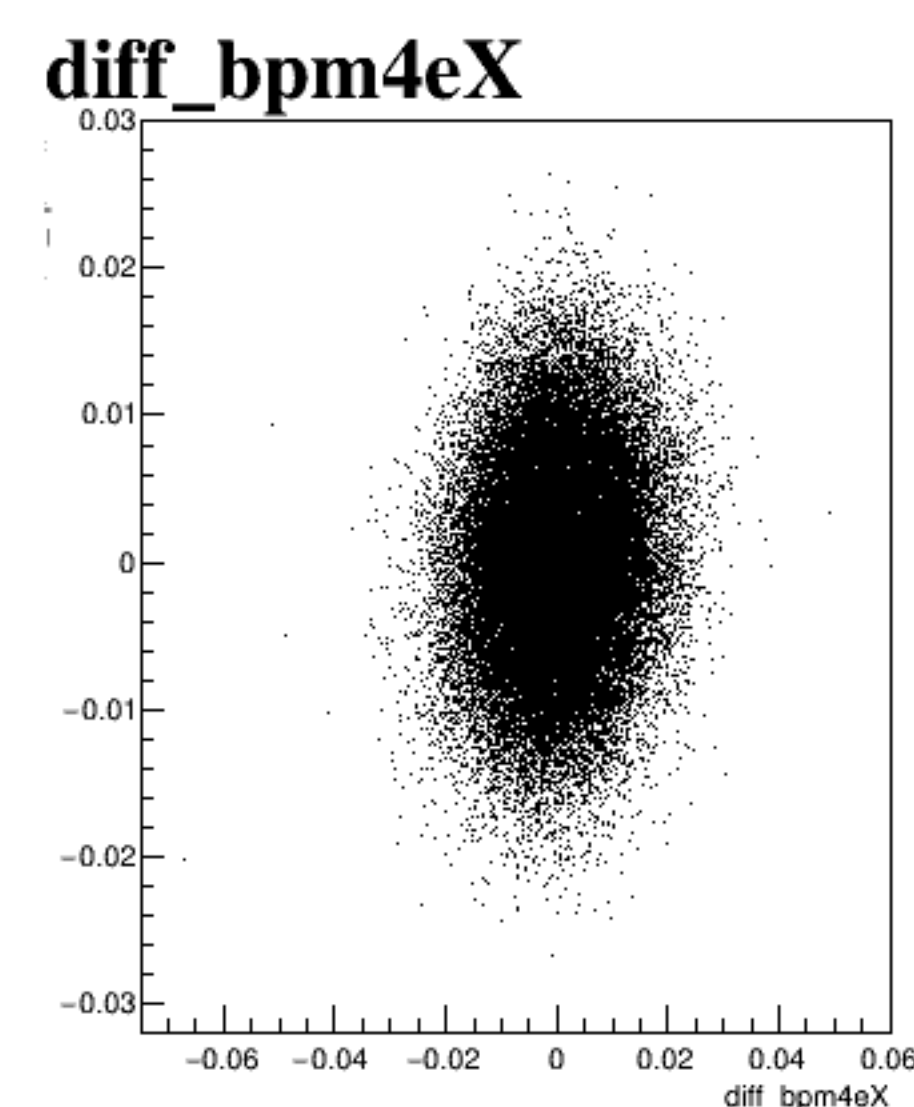
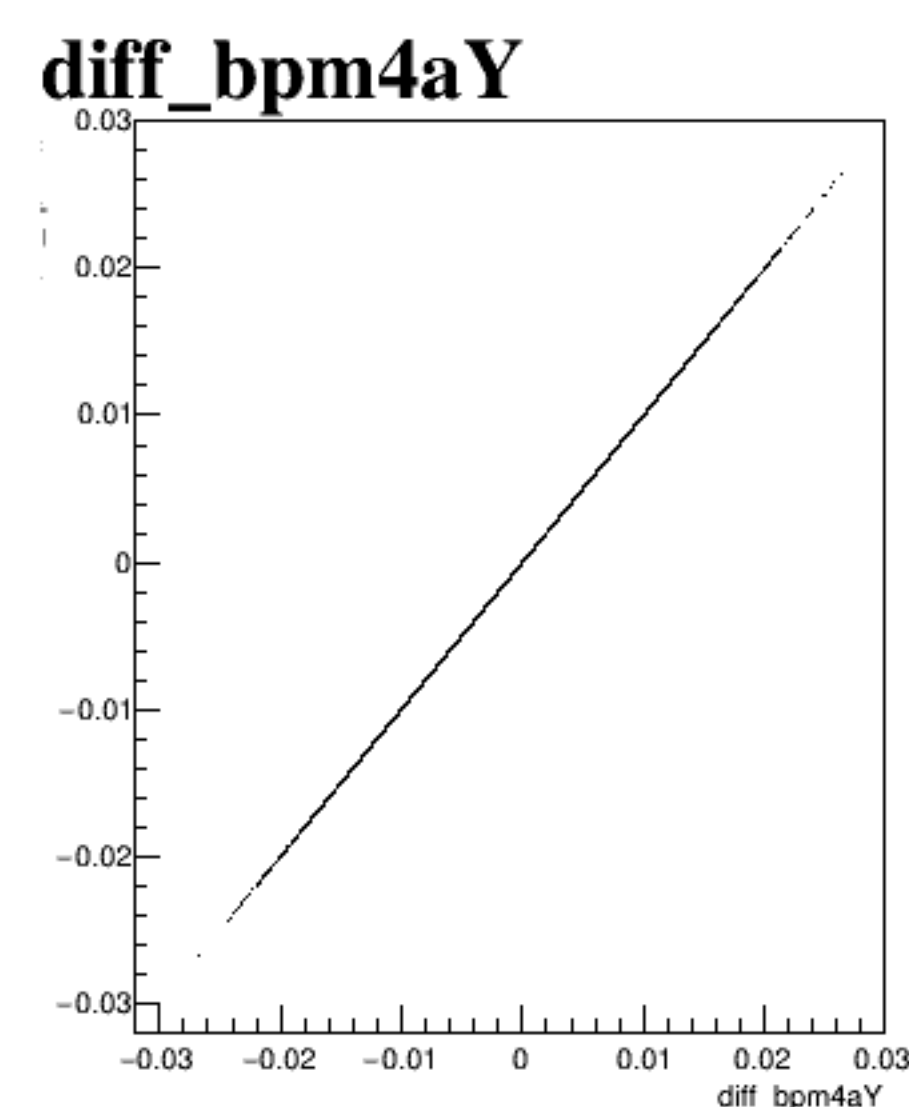
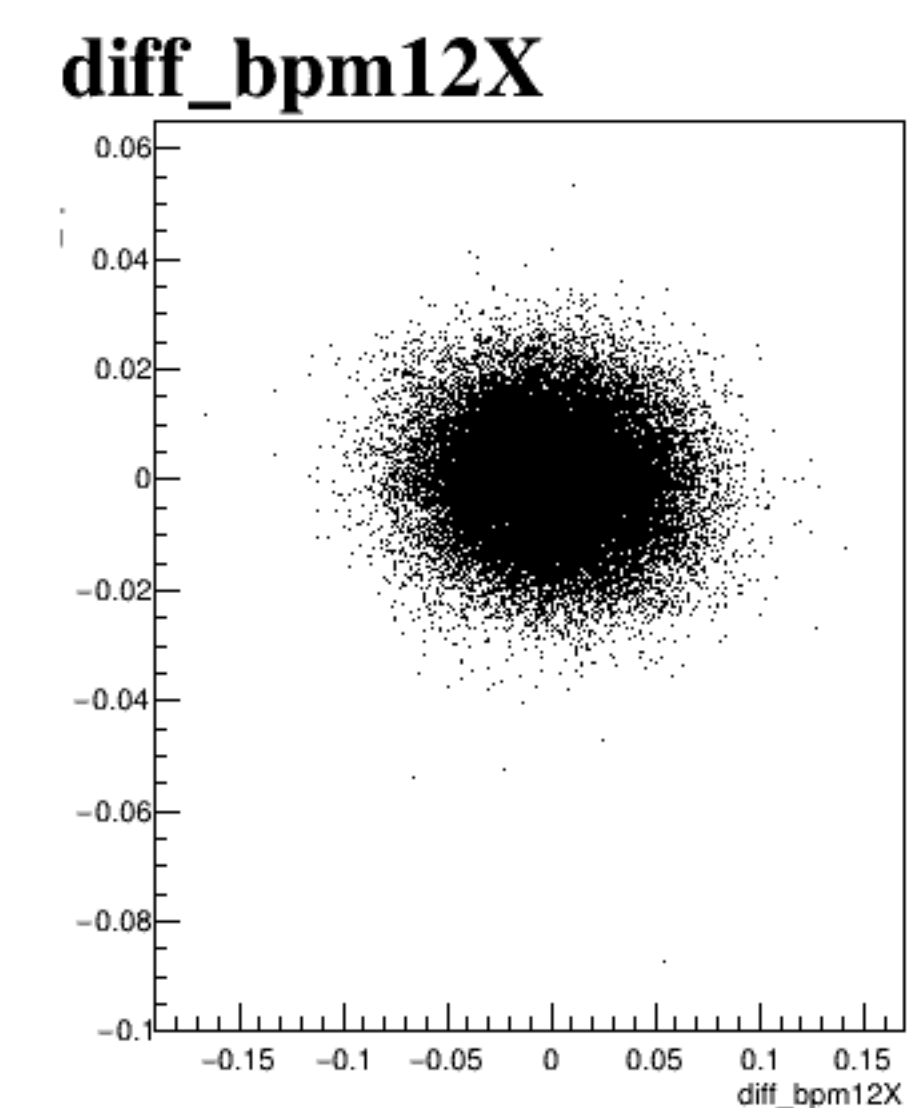
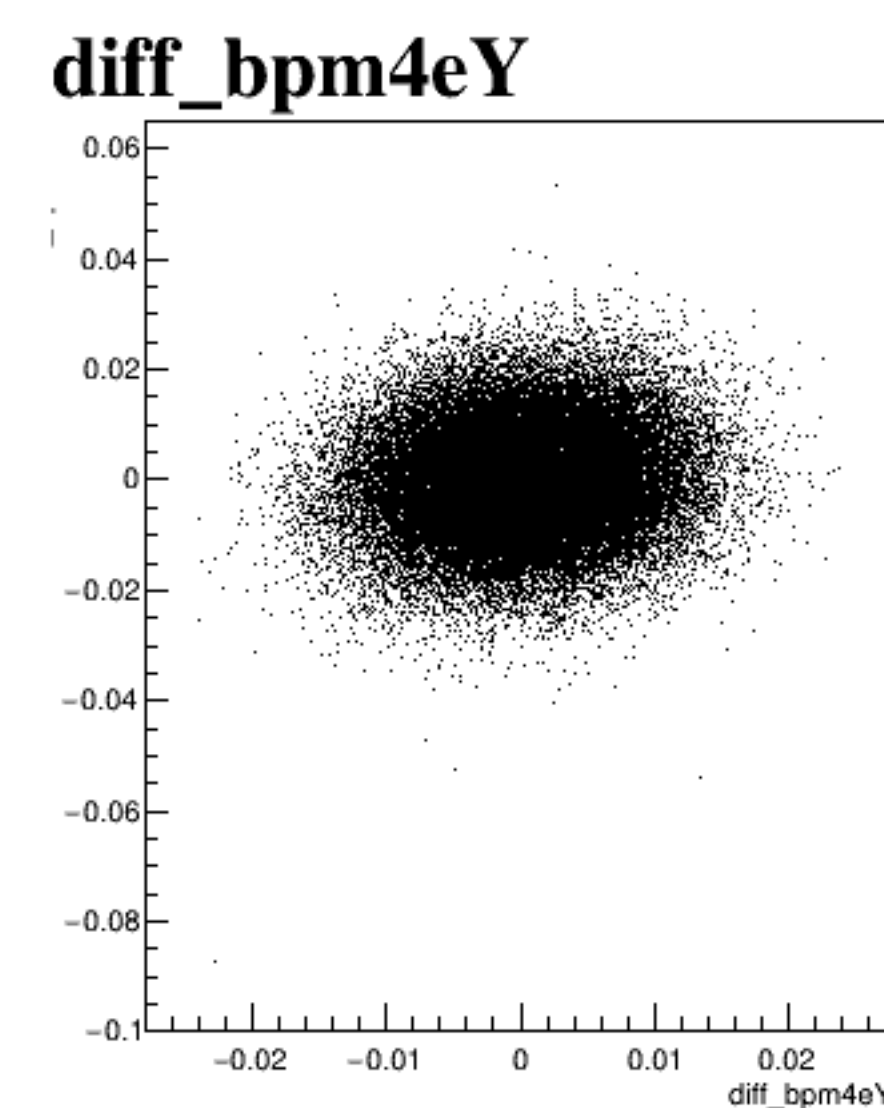
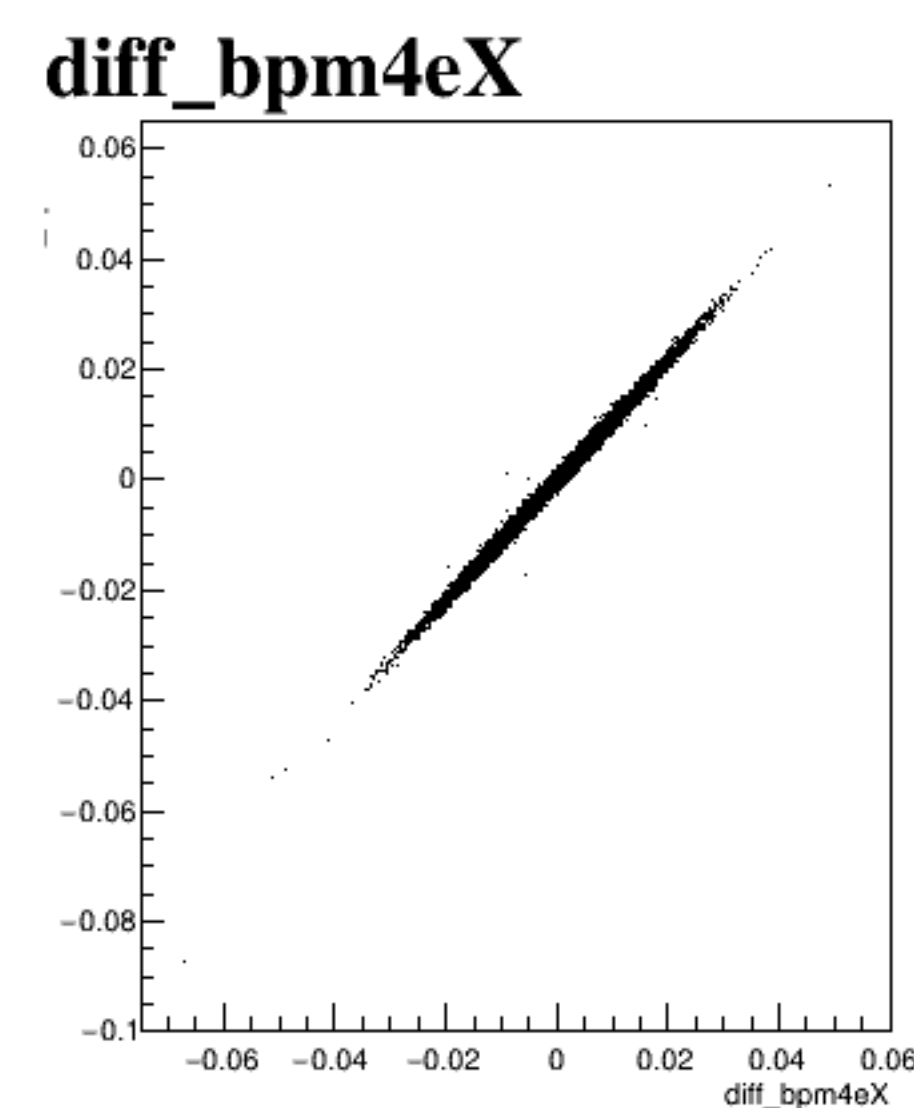
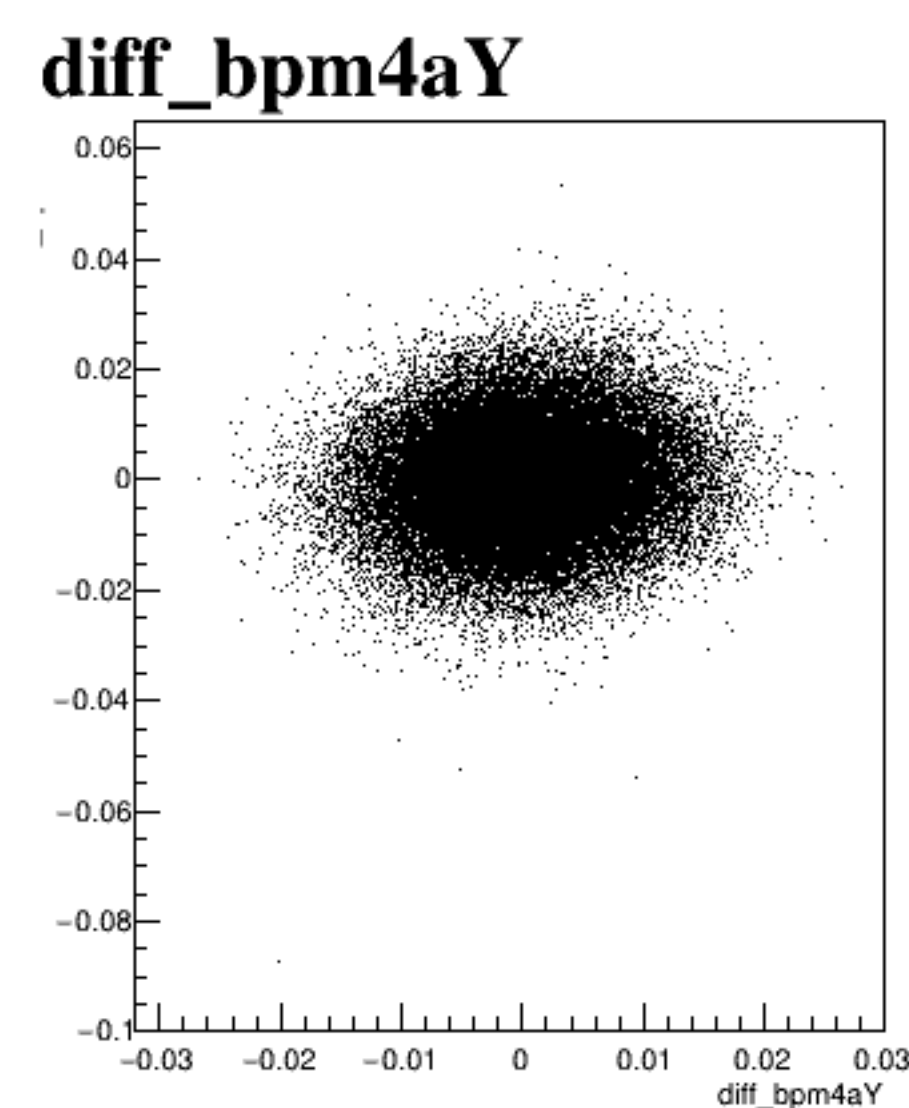
diff_bpm4eY



diff_bpm12X

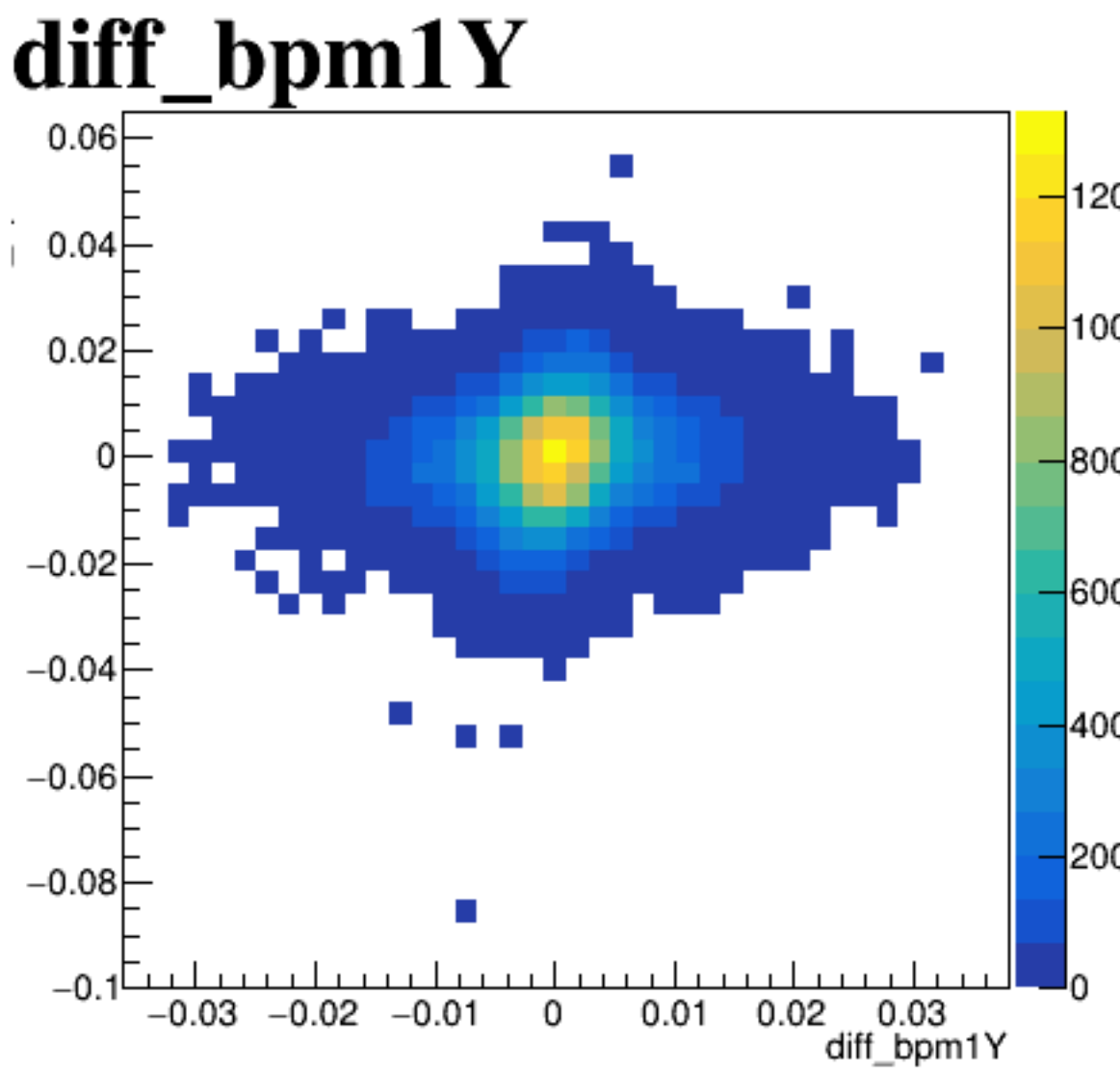
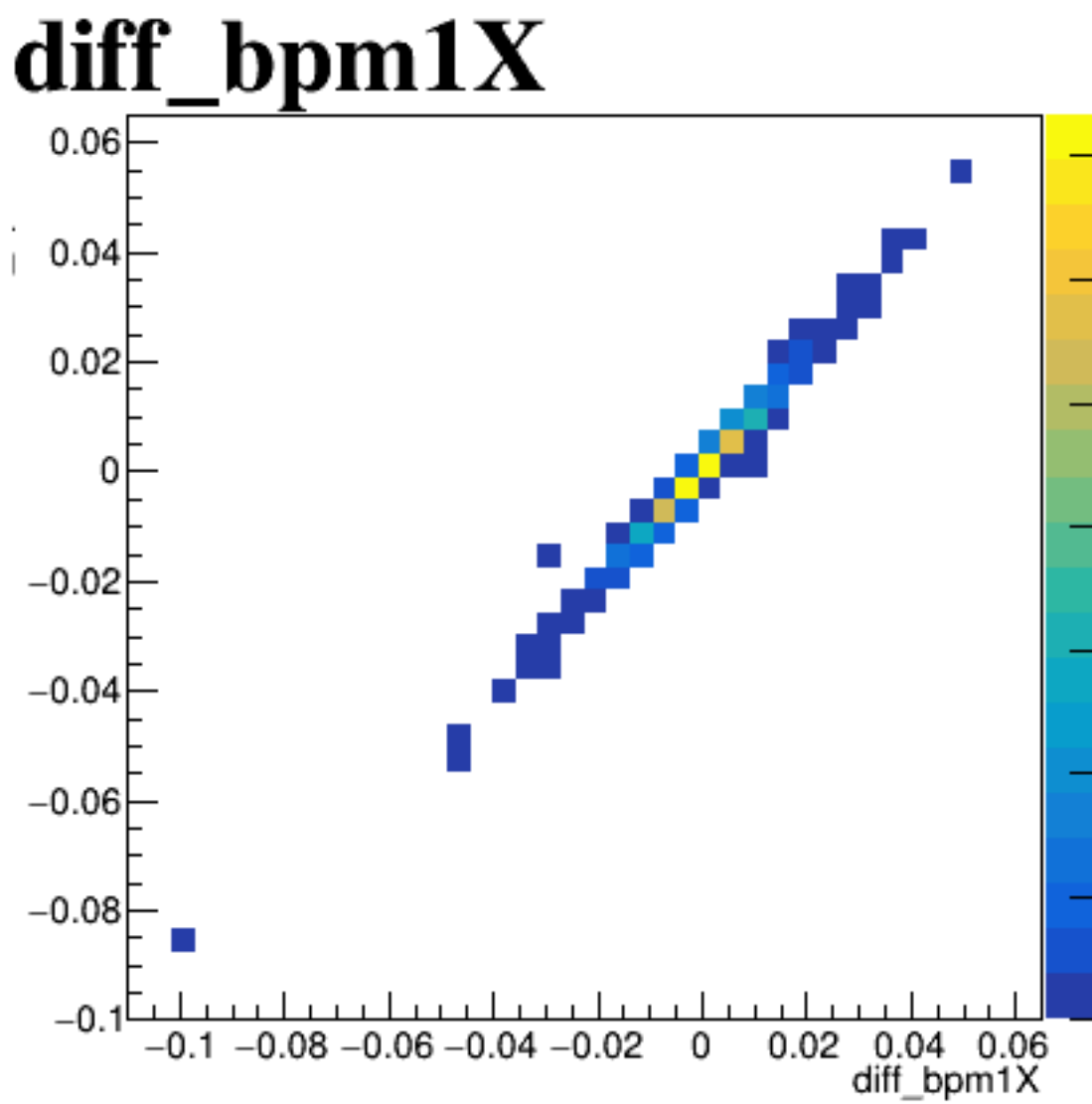
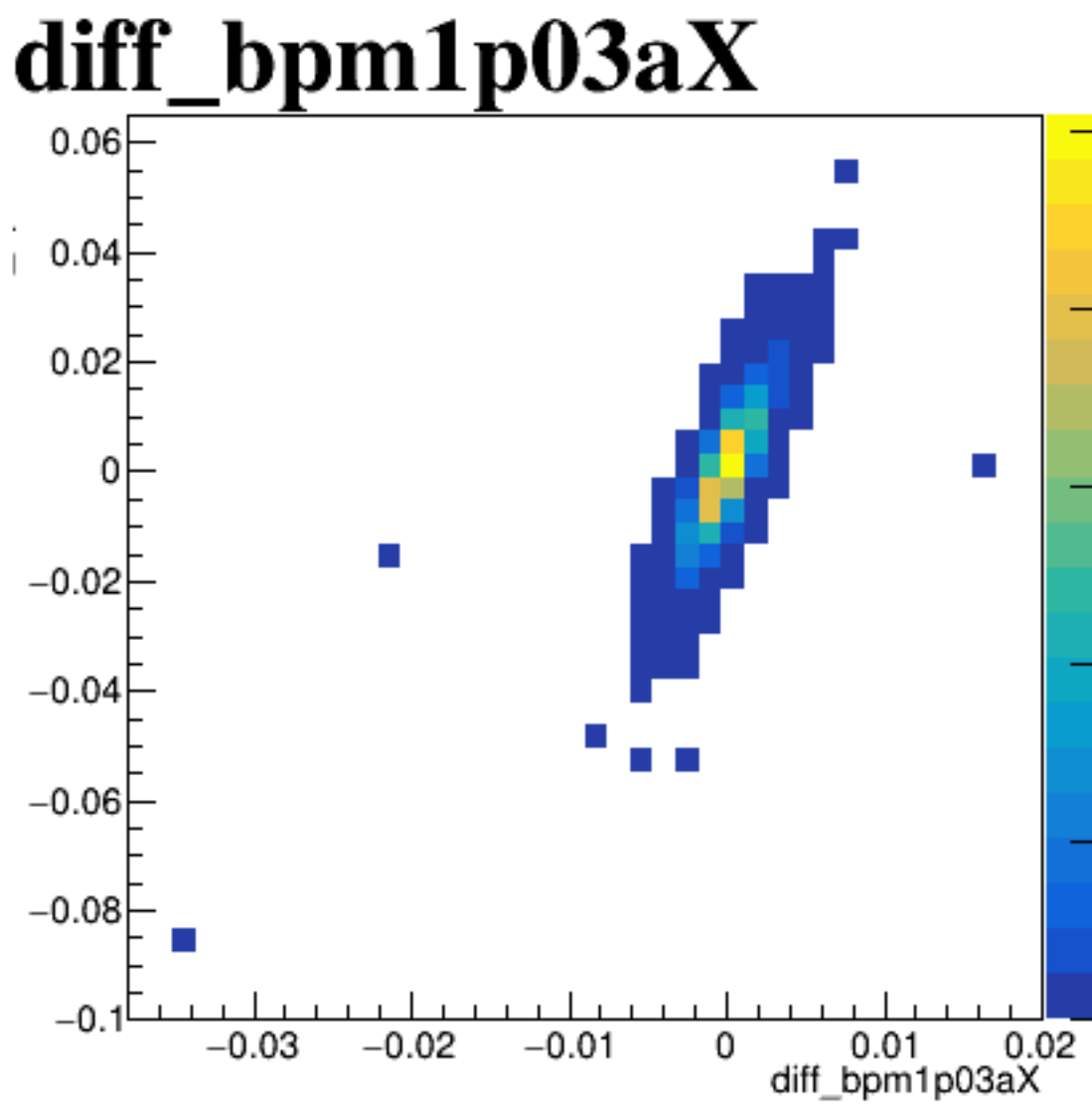
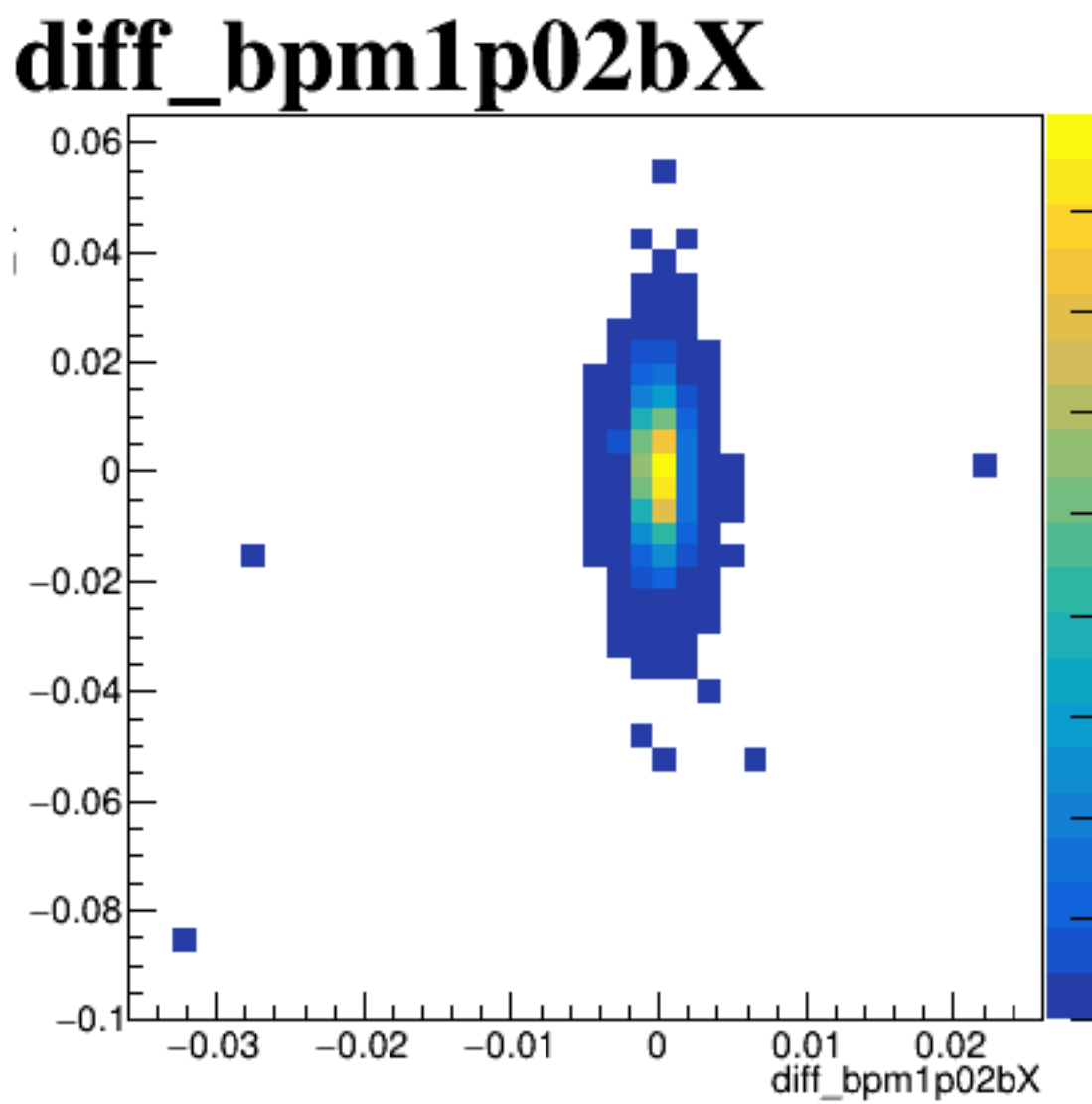


run6597_000_diff_bpm_mutual_correlation_fit_default.png

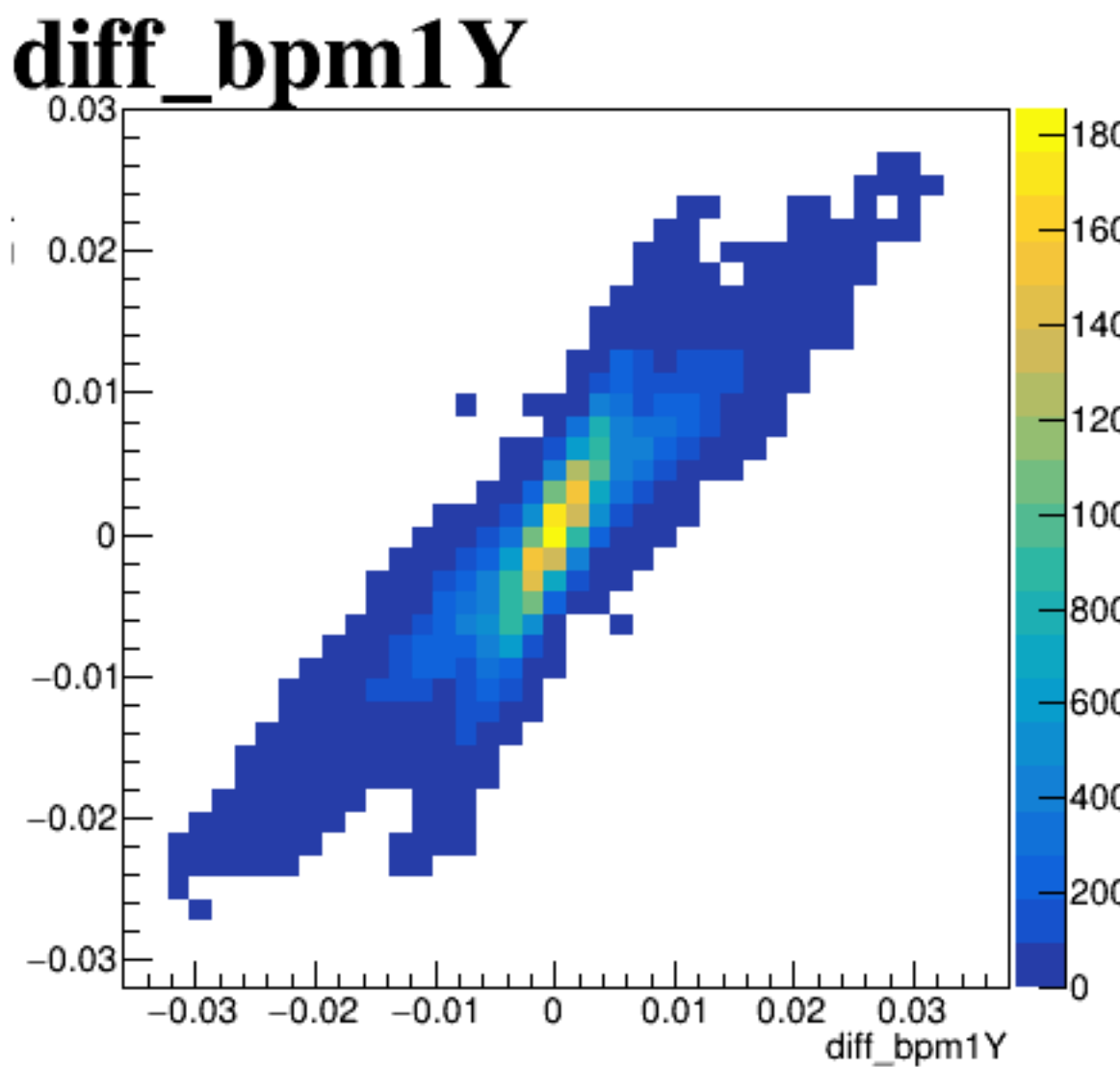
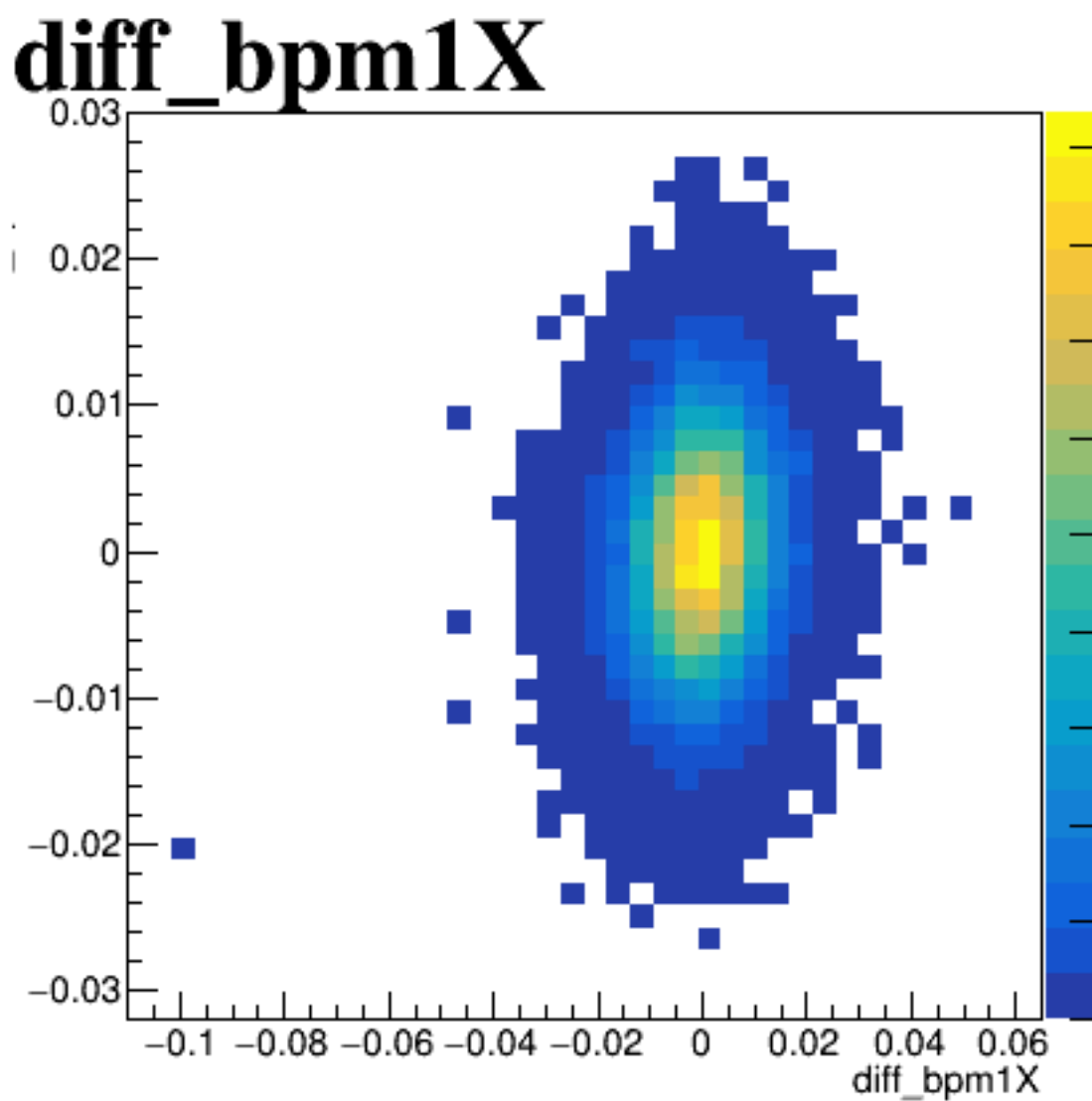
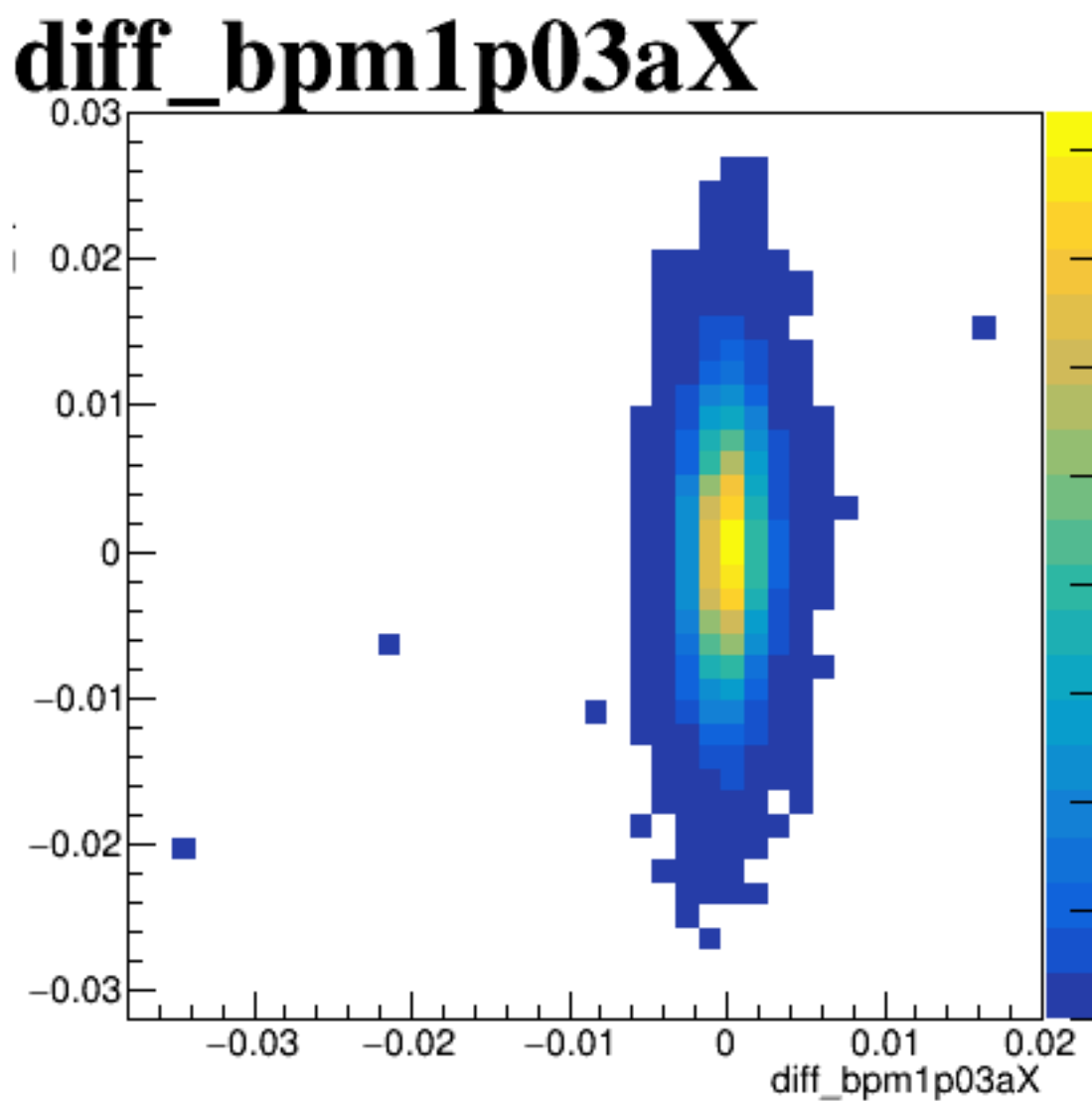
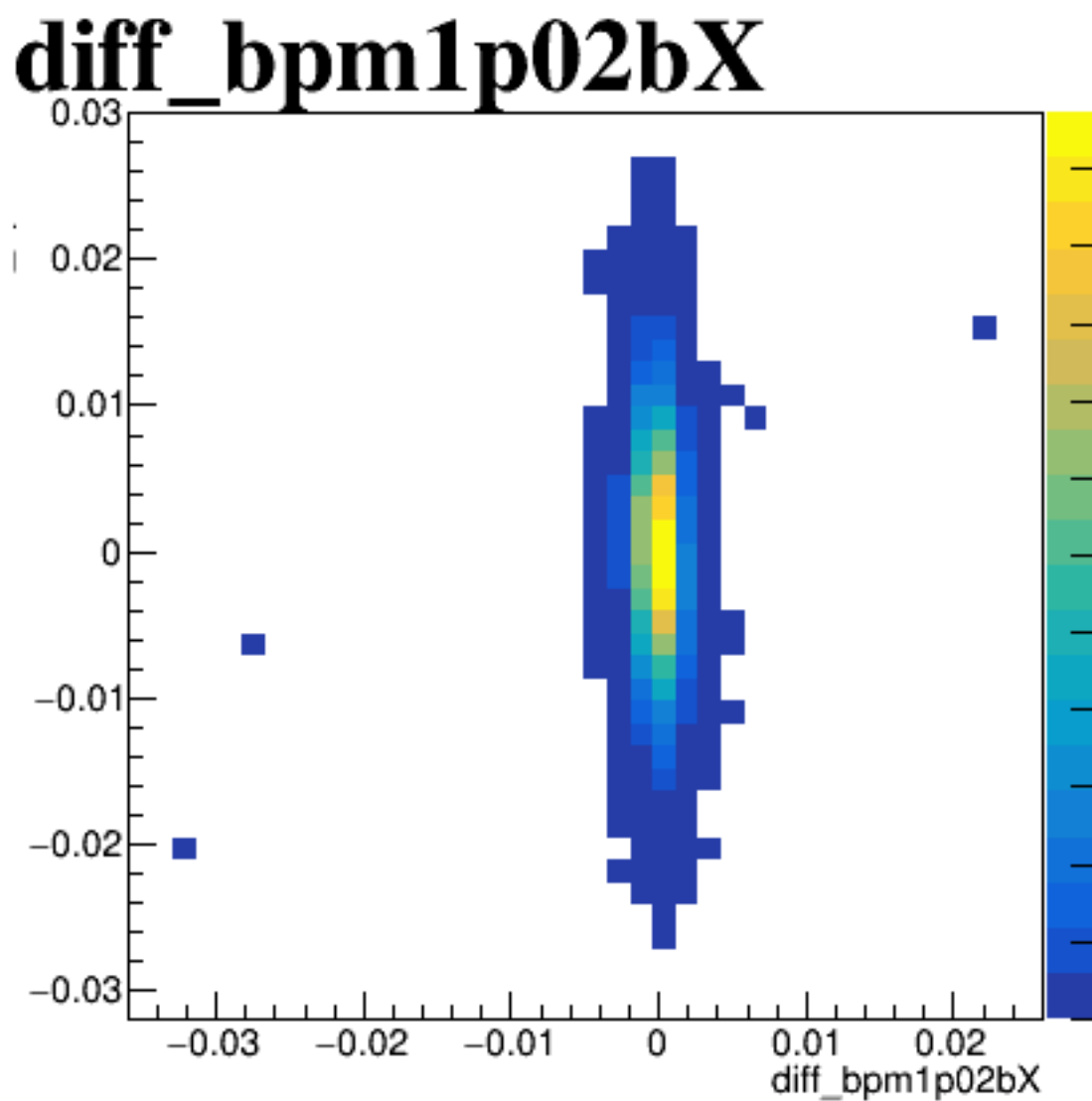


run6597_000_diff_bpm_mutual_correlation_scatter_default.png

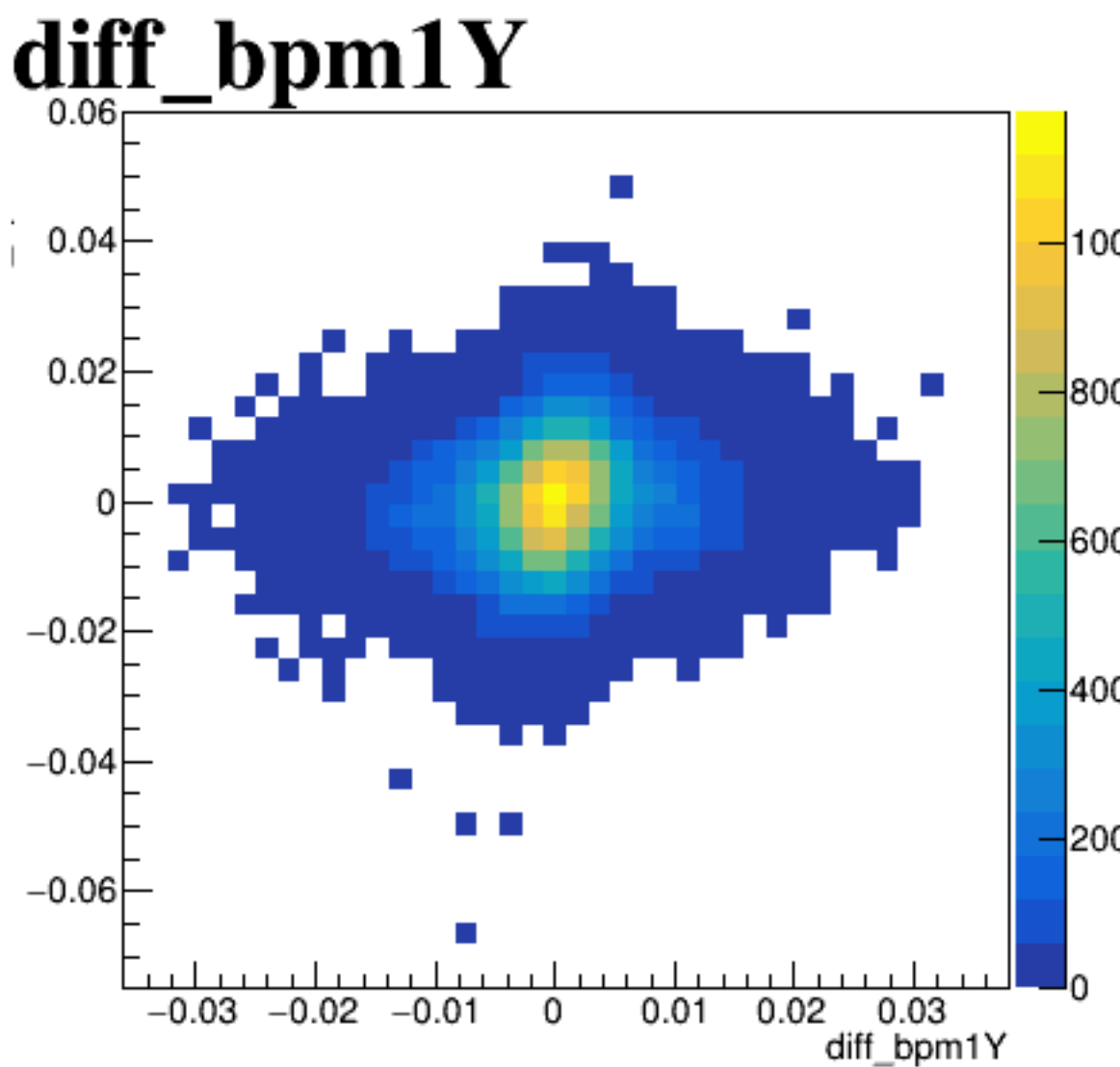
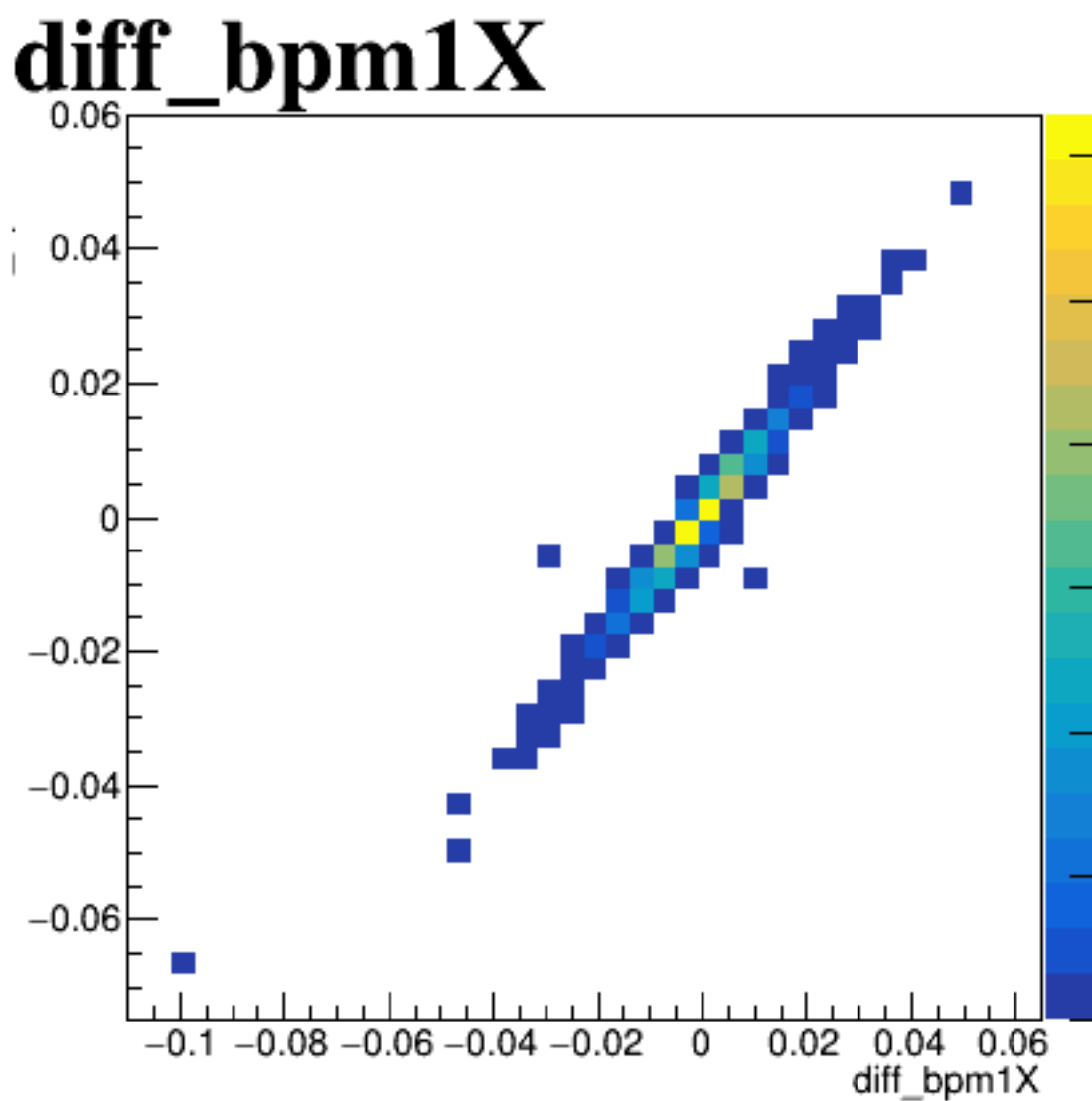
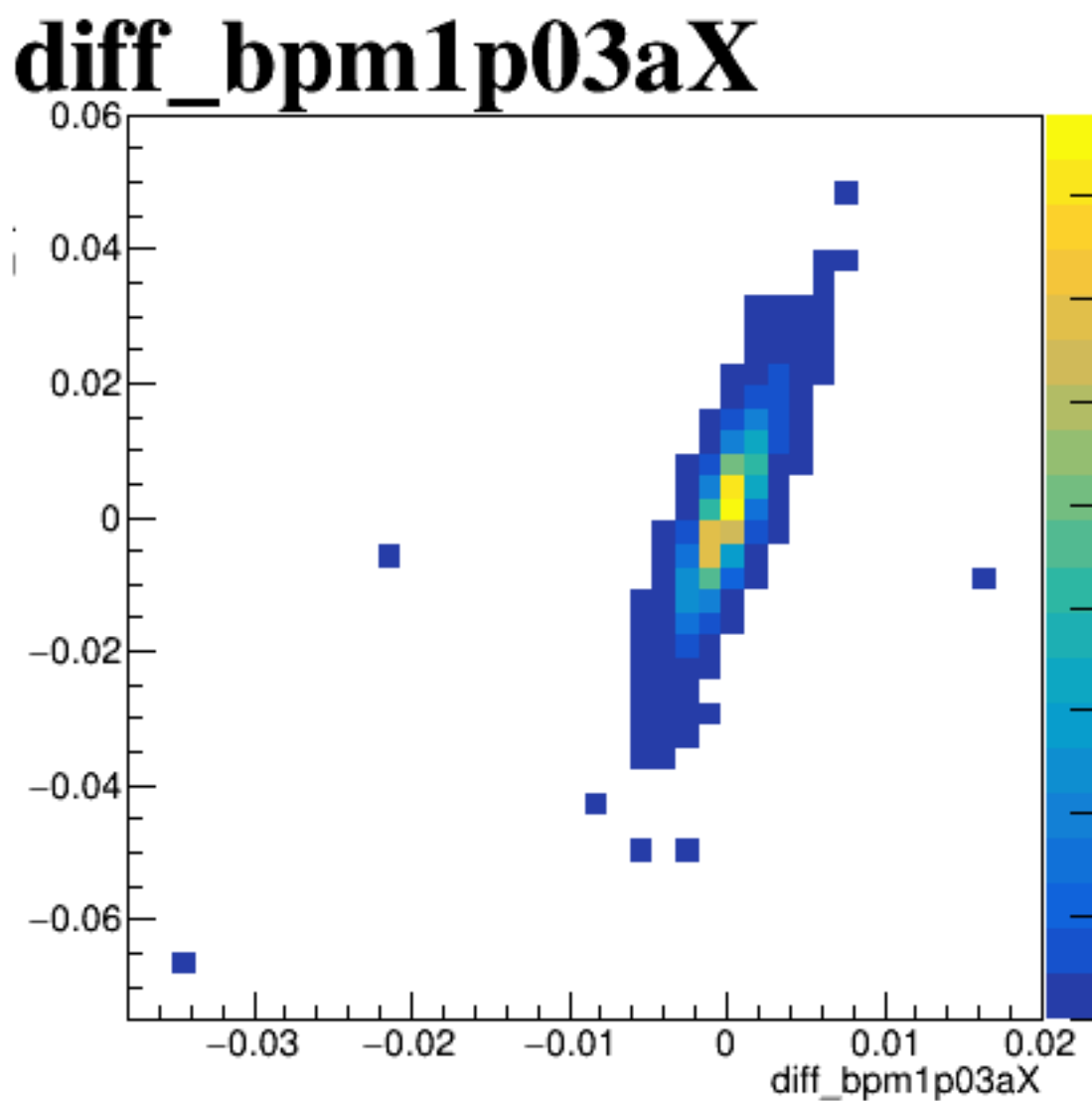
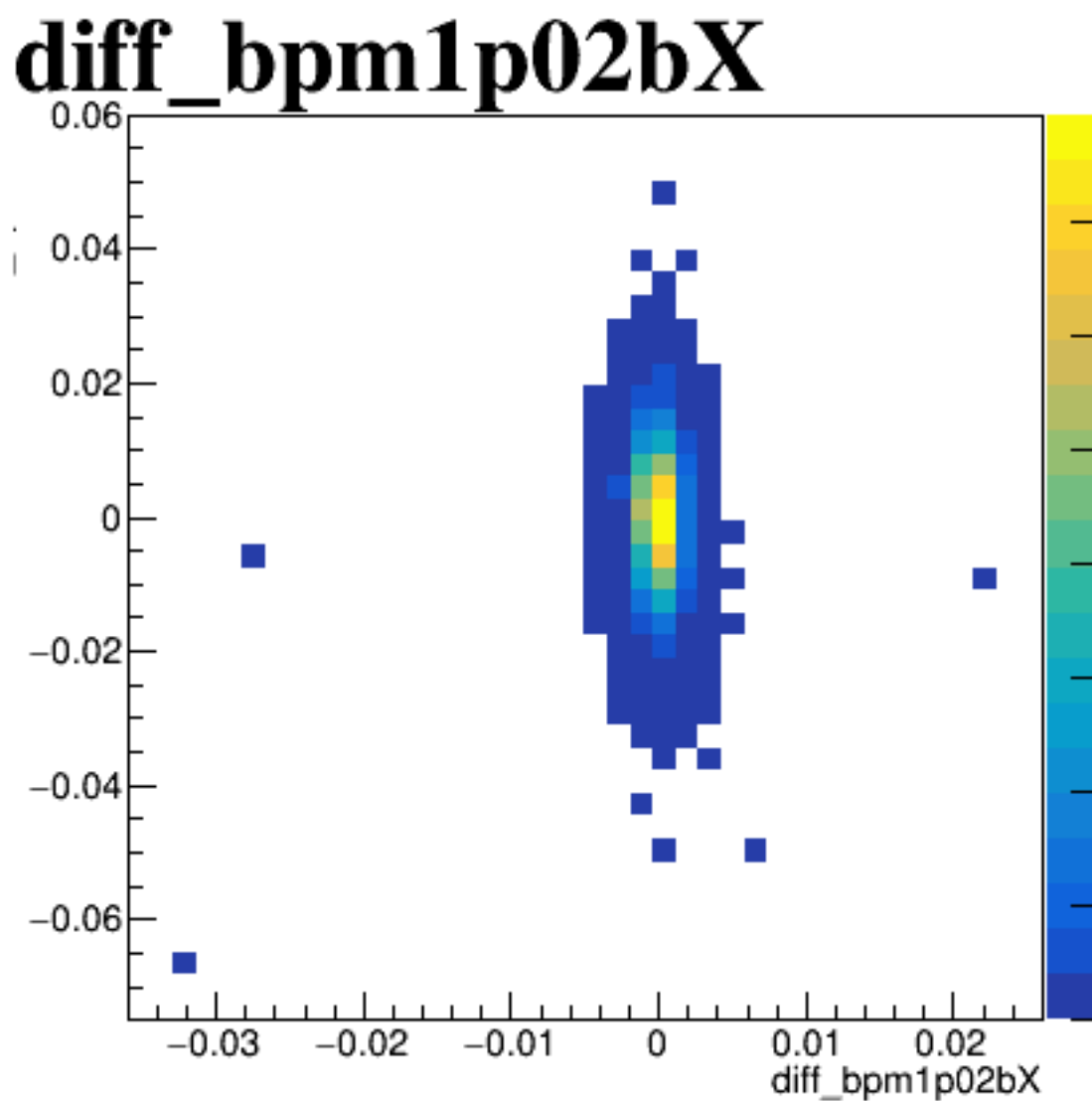
diff_bpm4aX



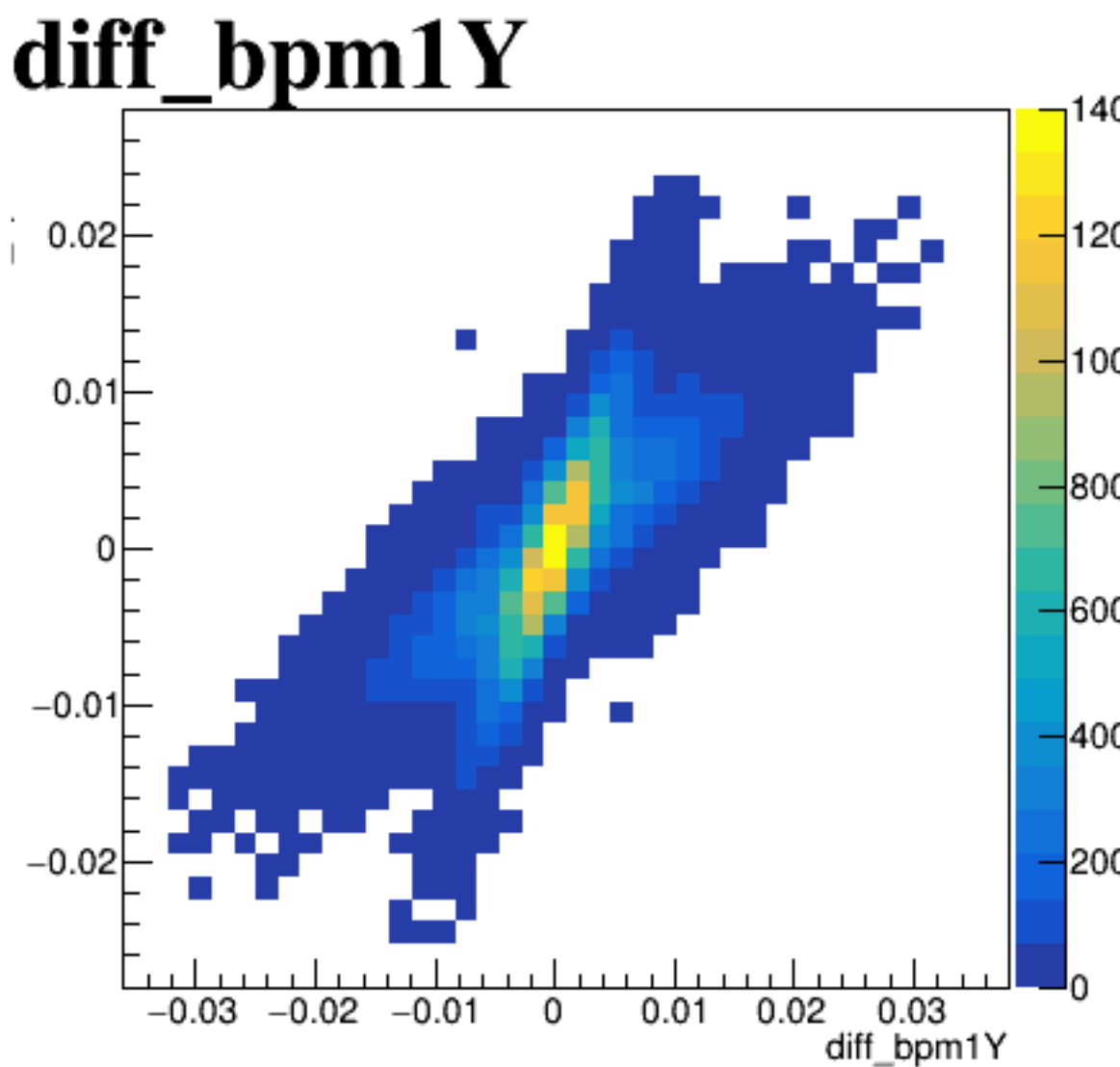
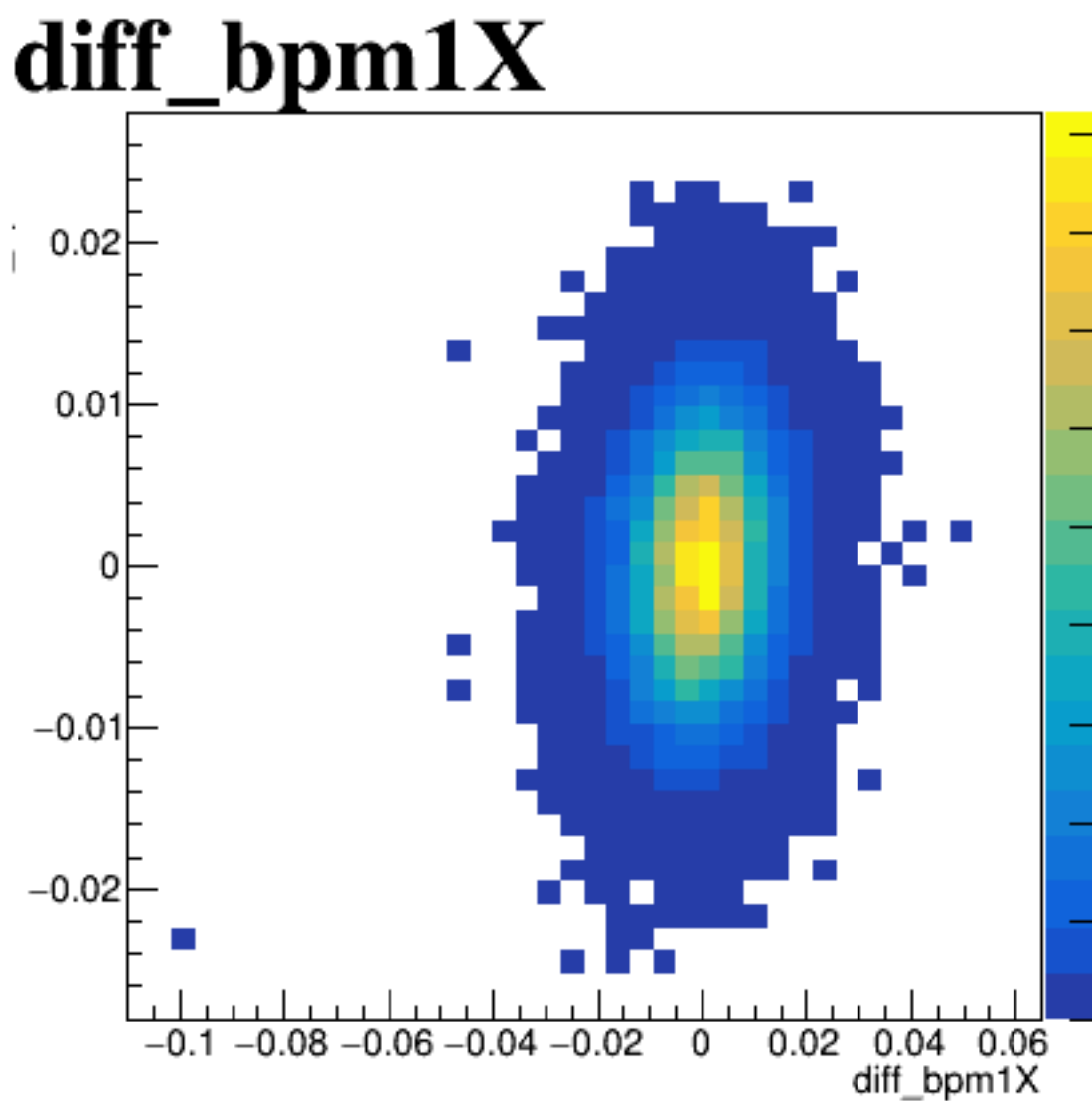
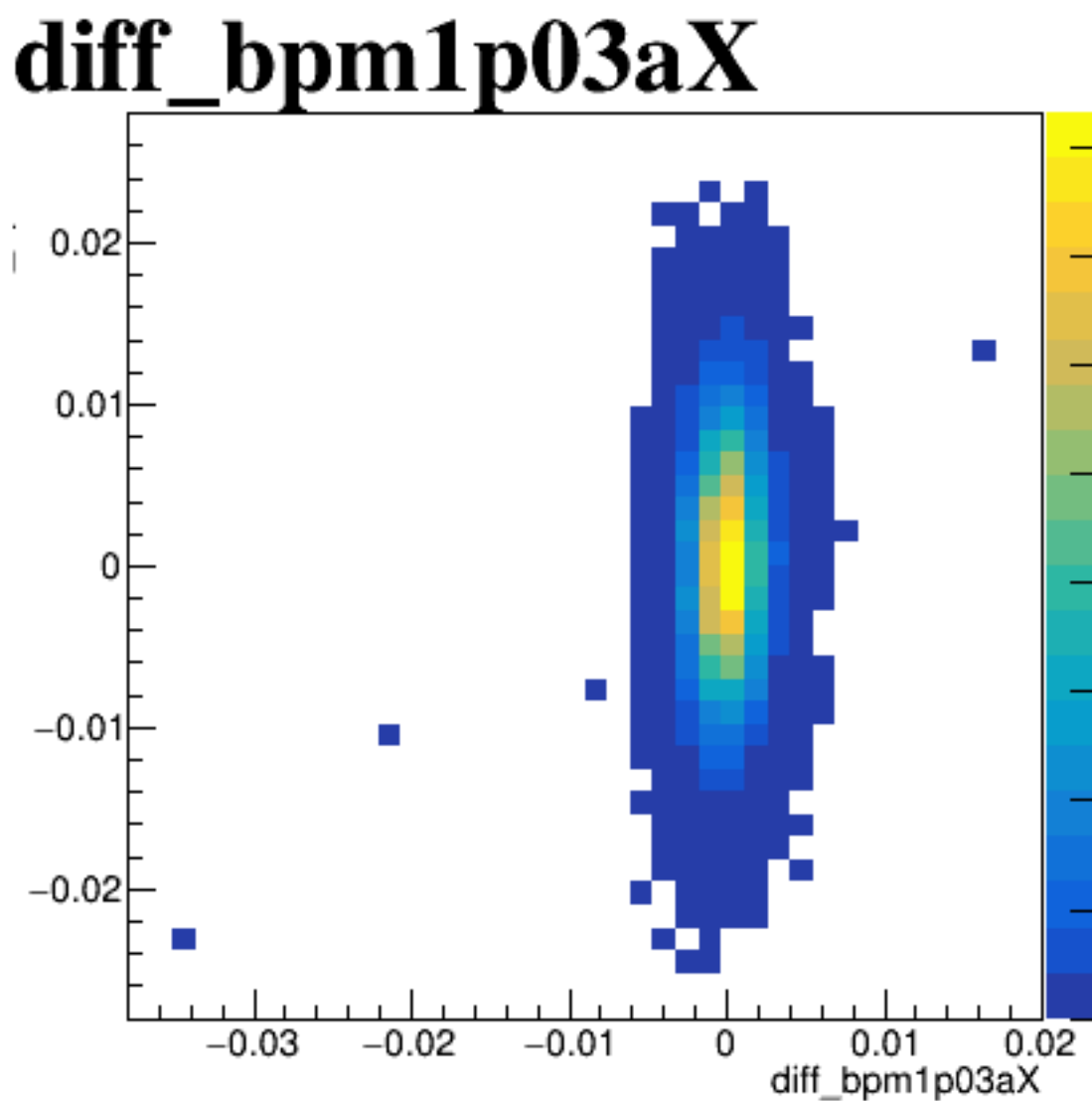
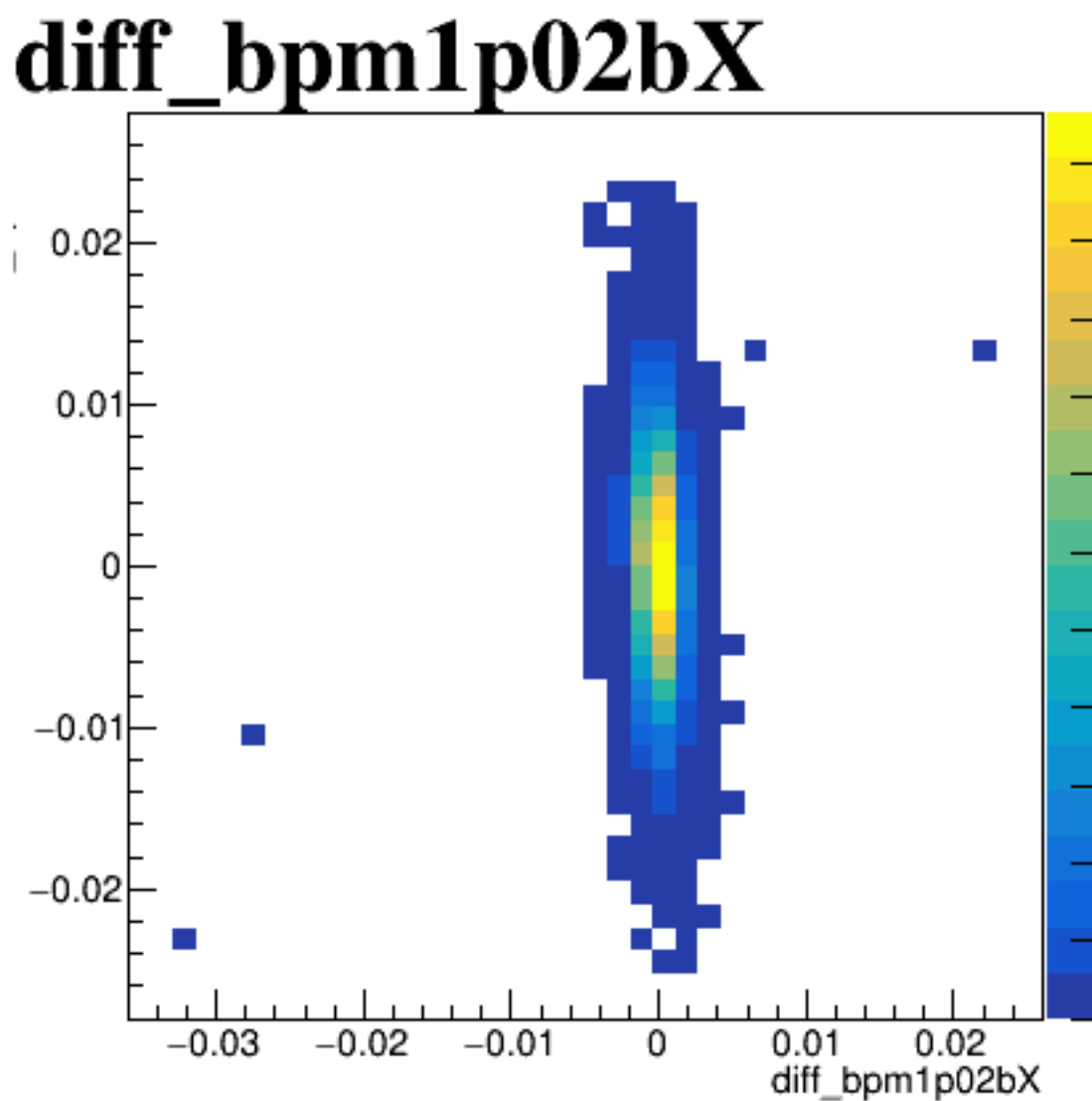
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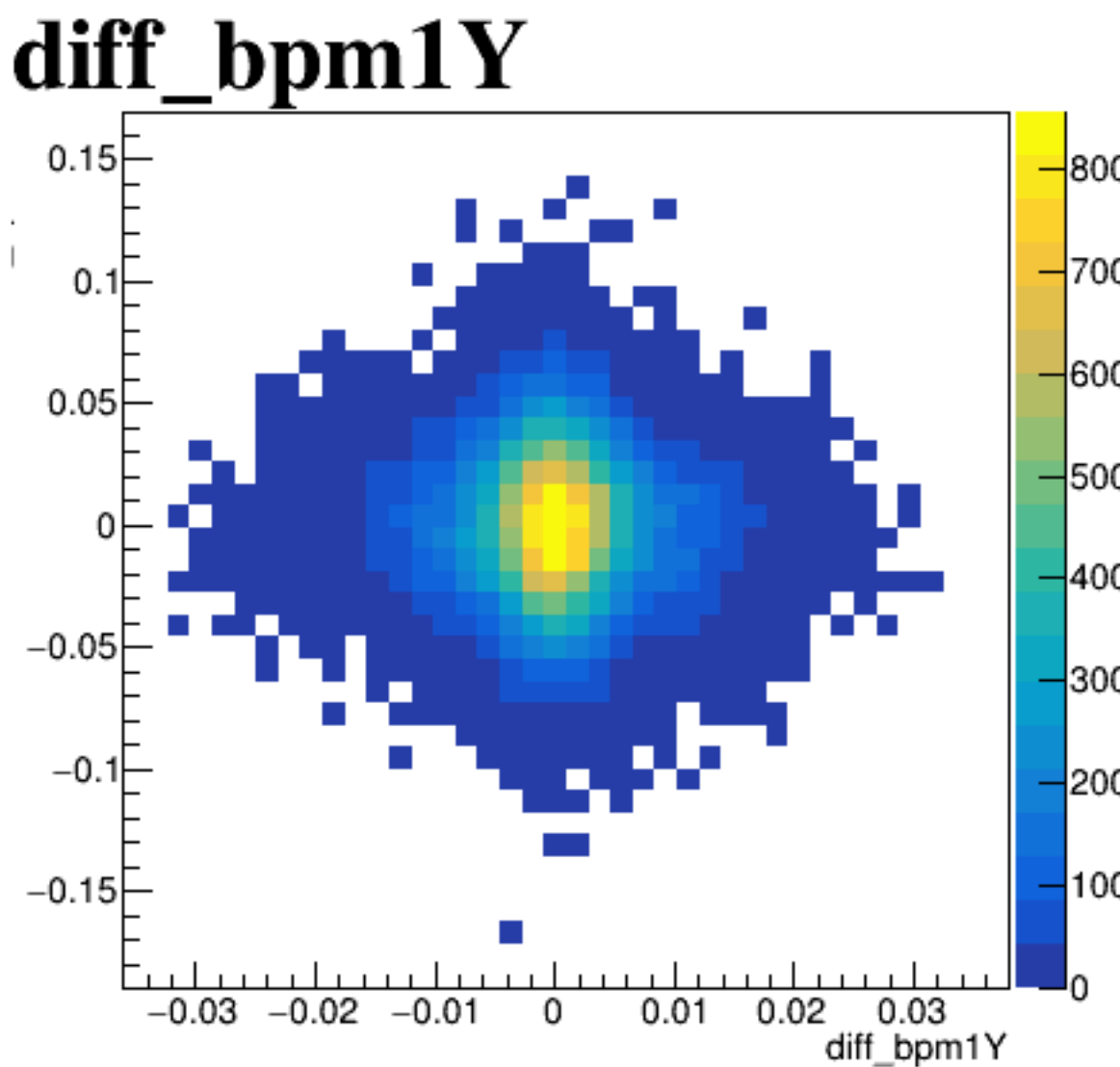
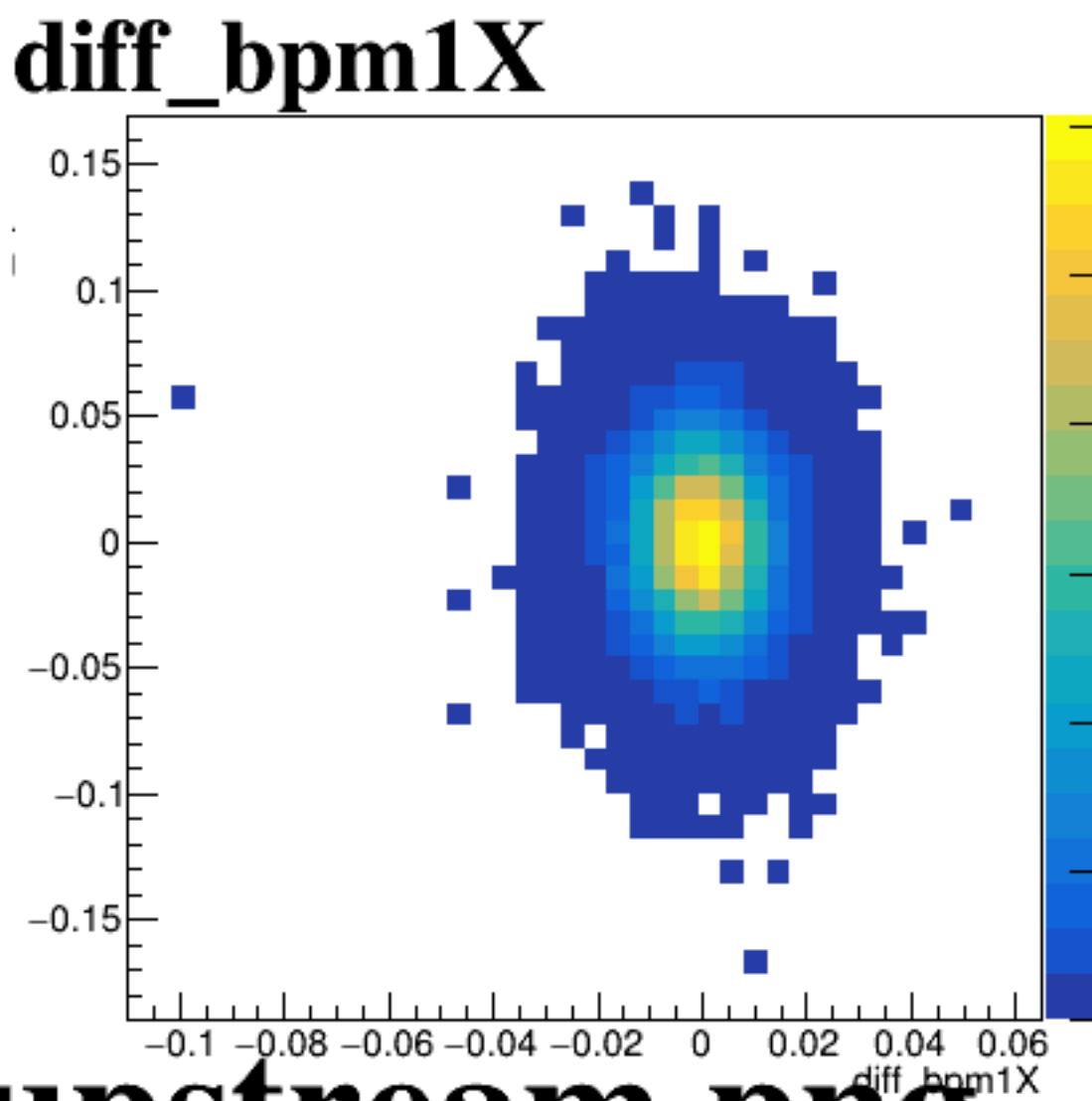
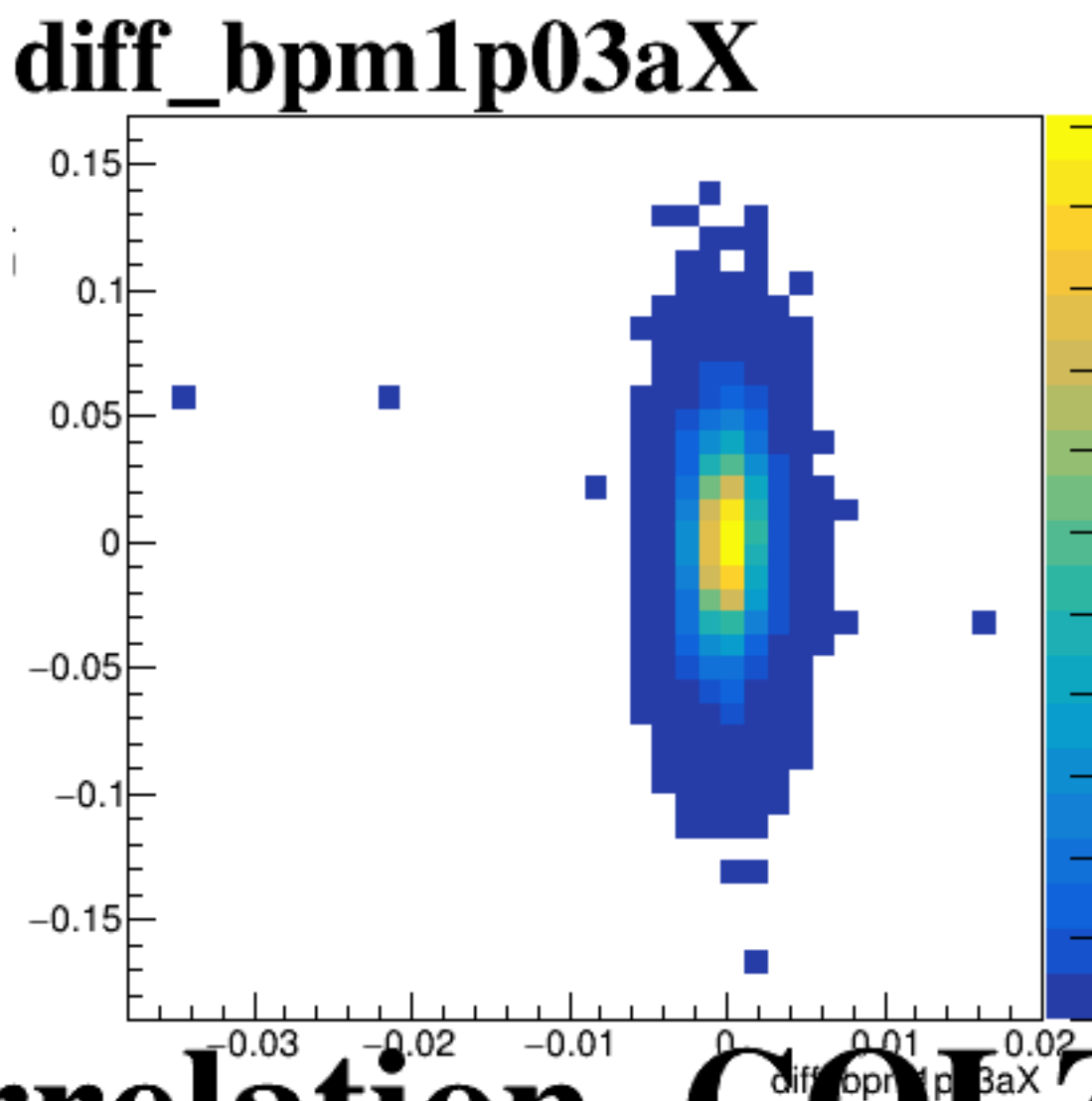
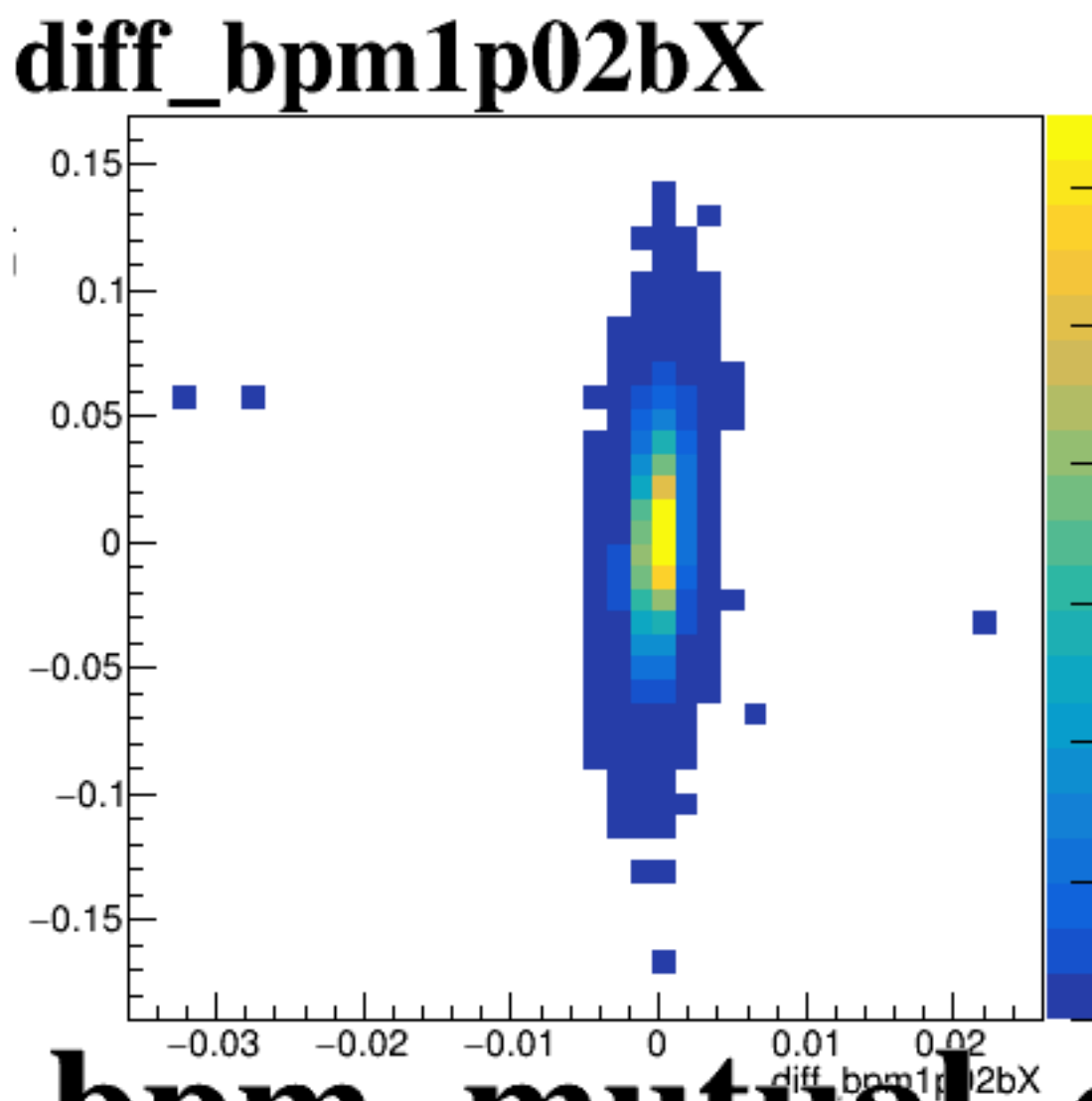
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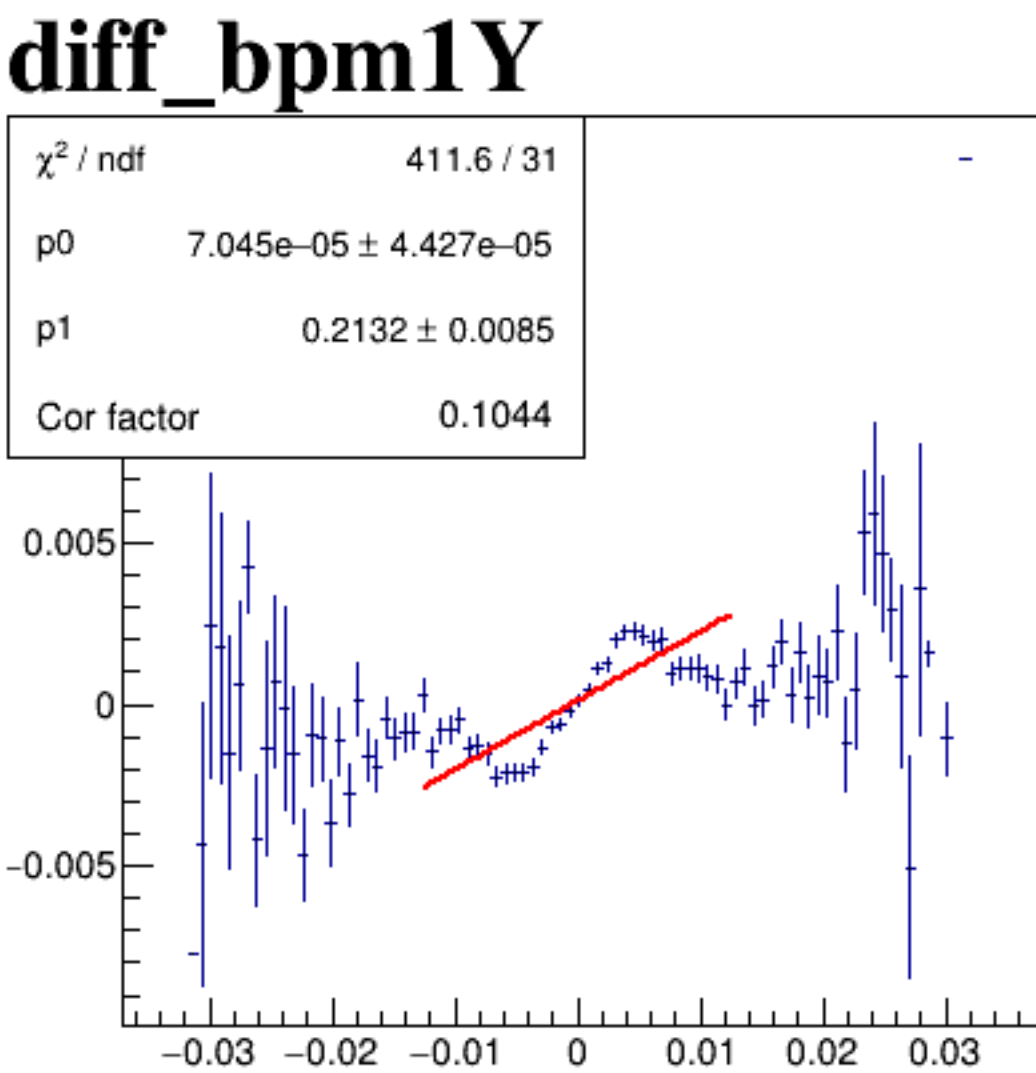
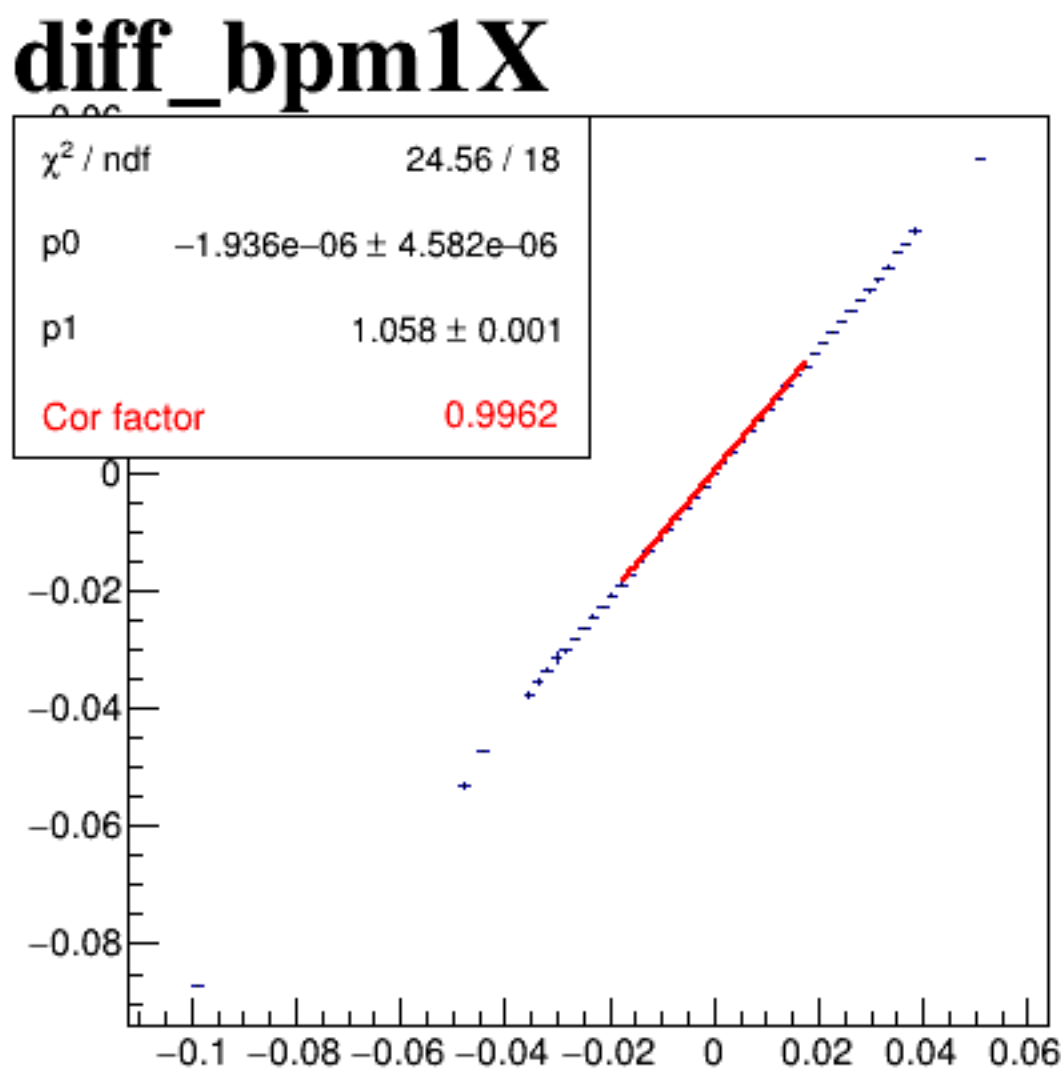
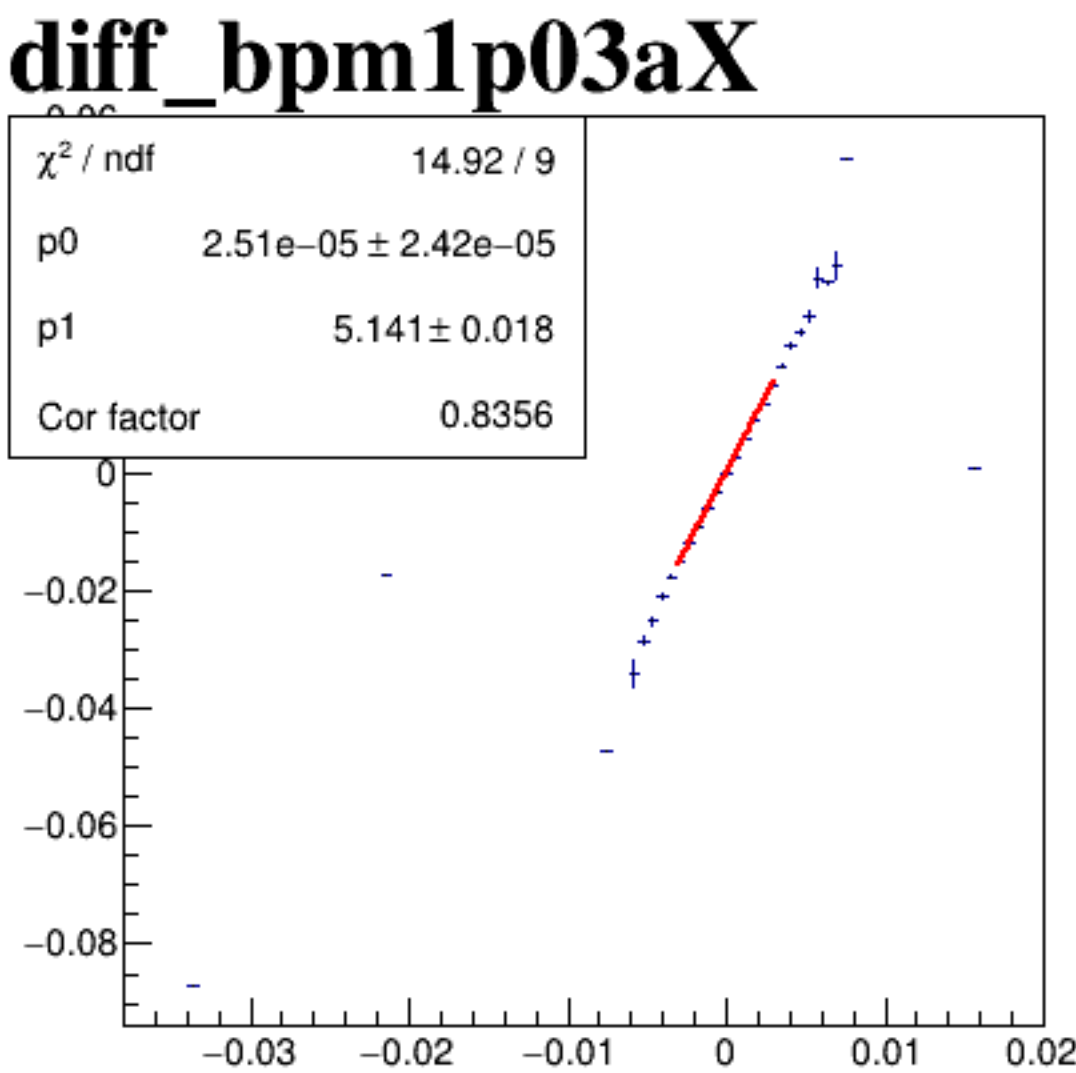
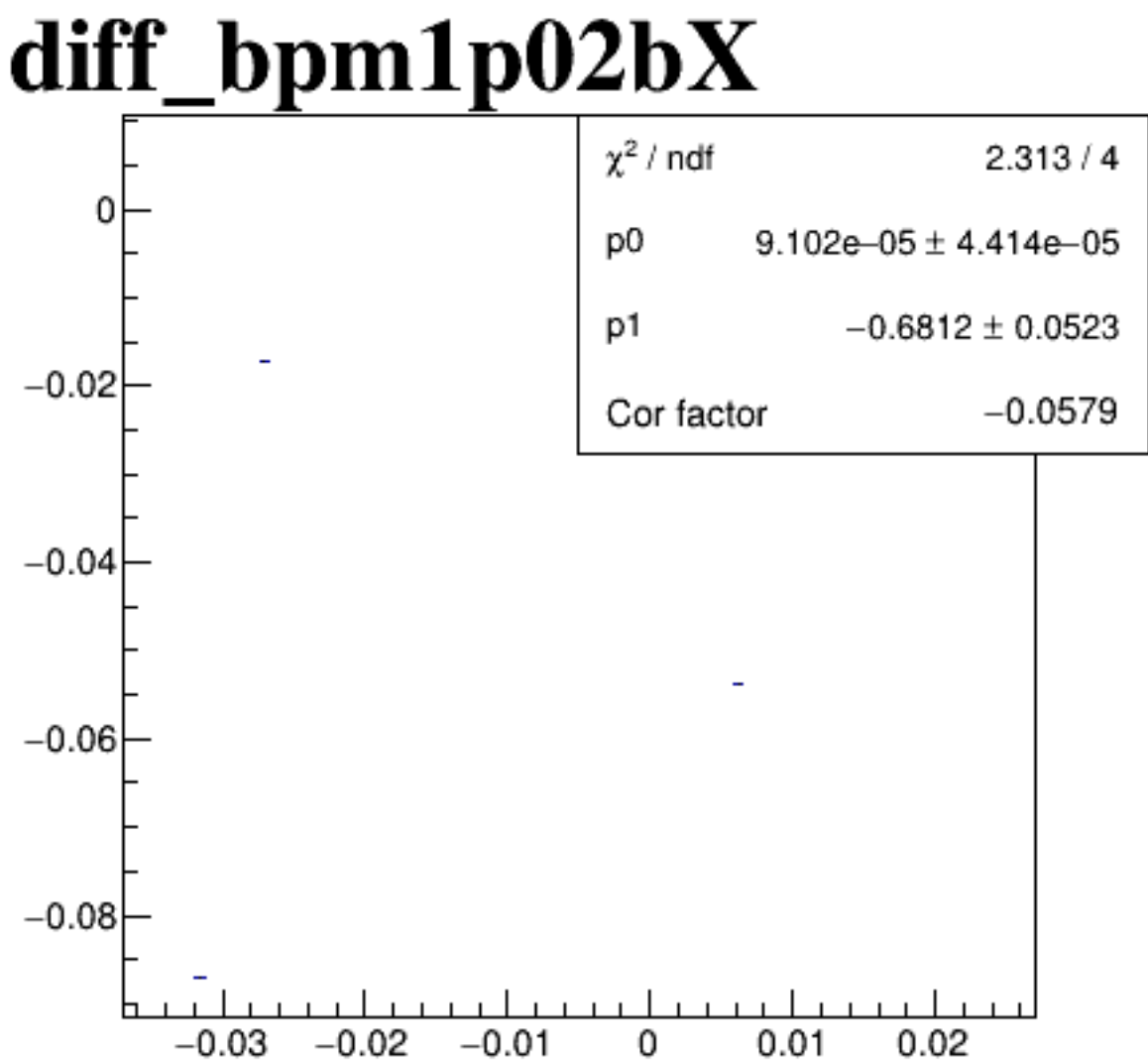
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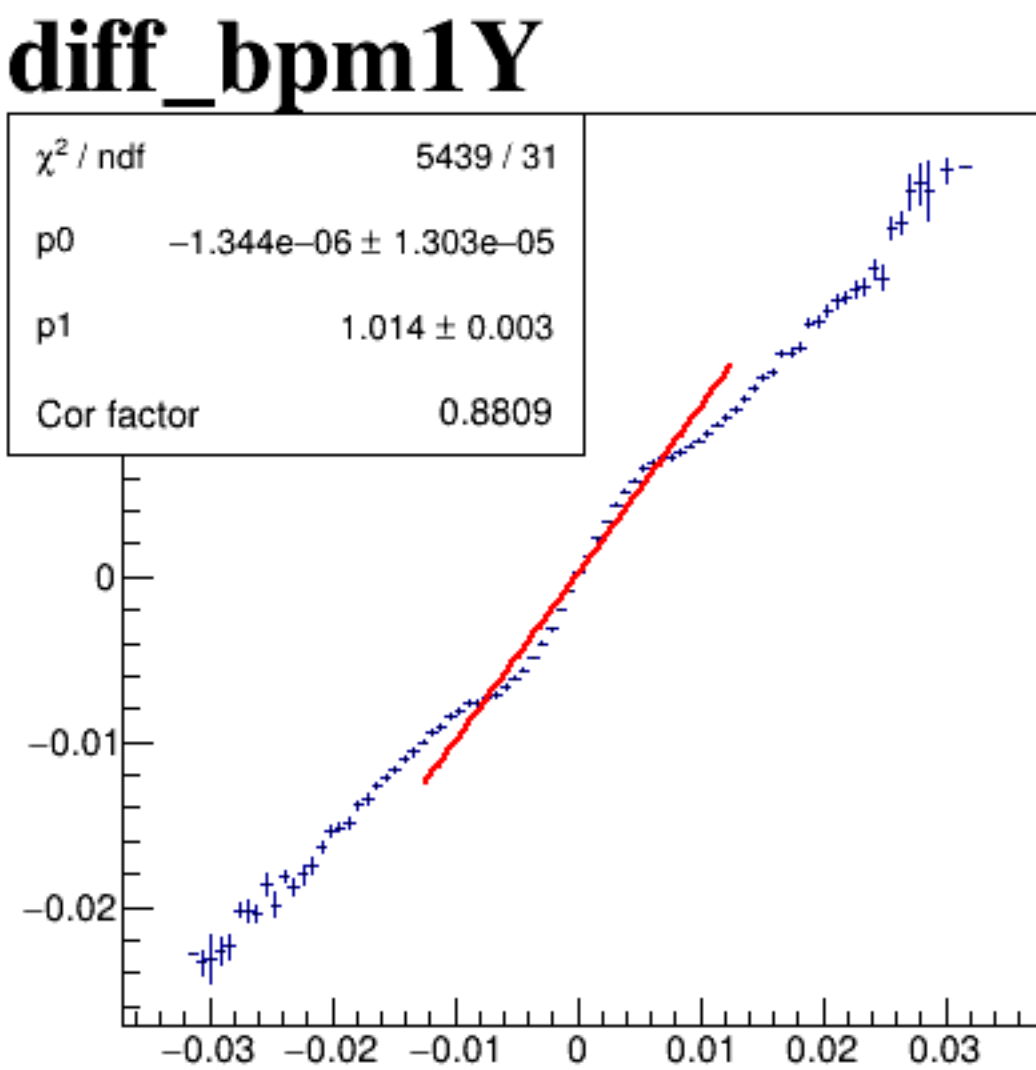
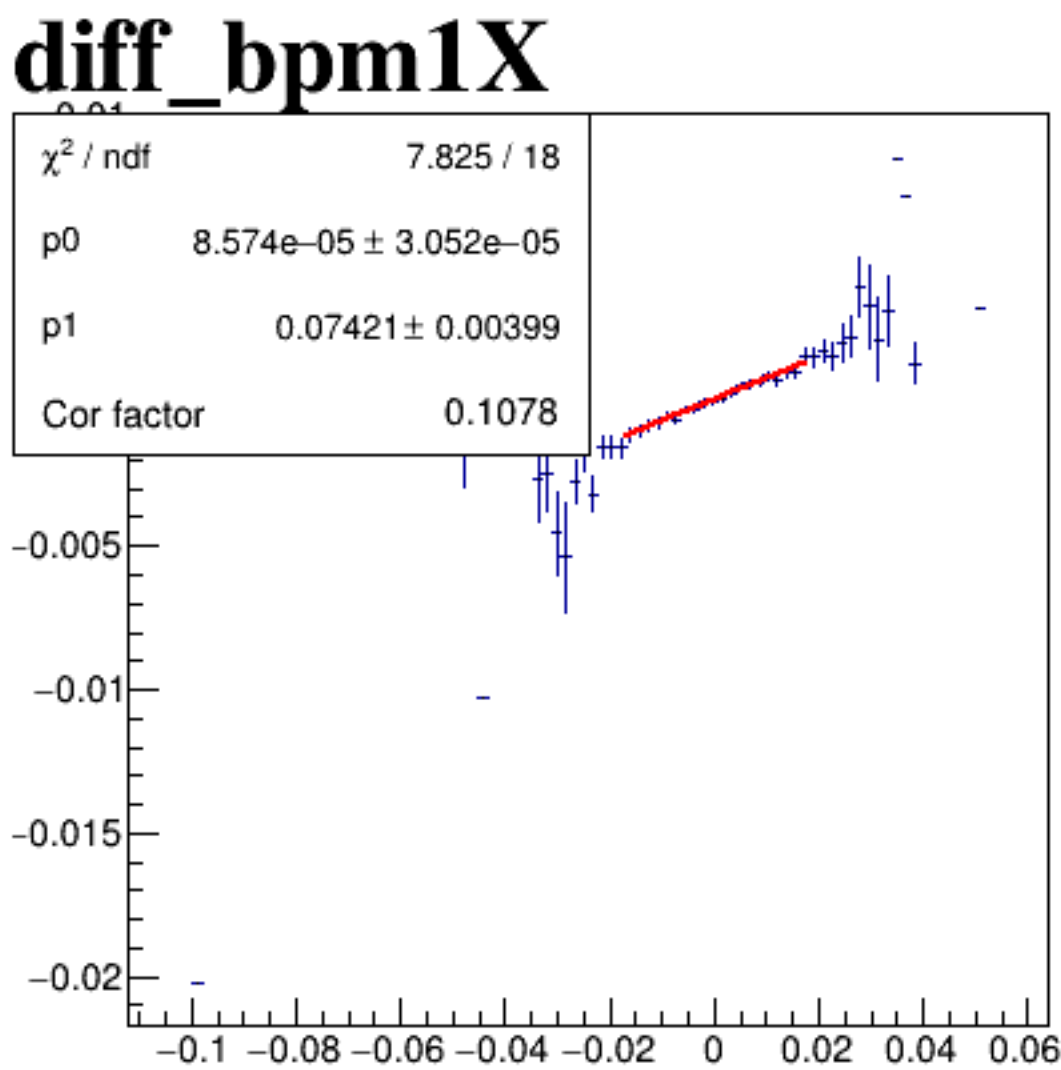
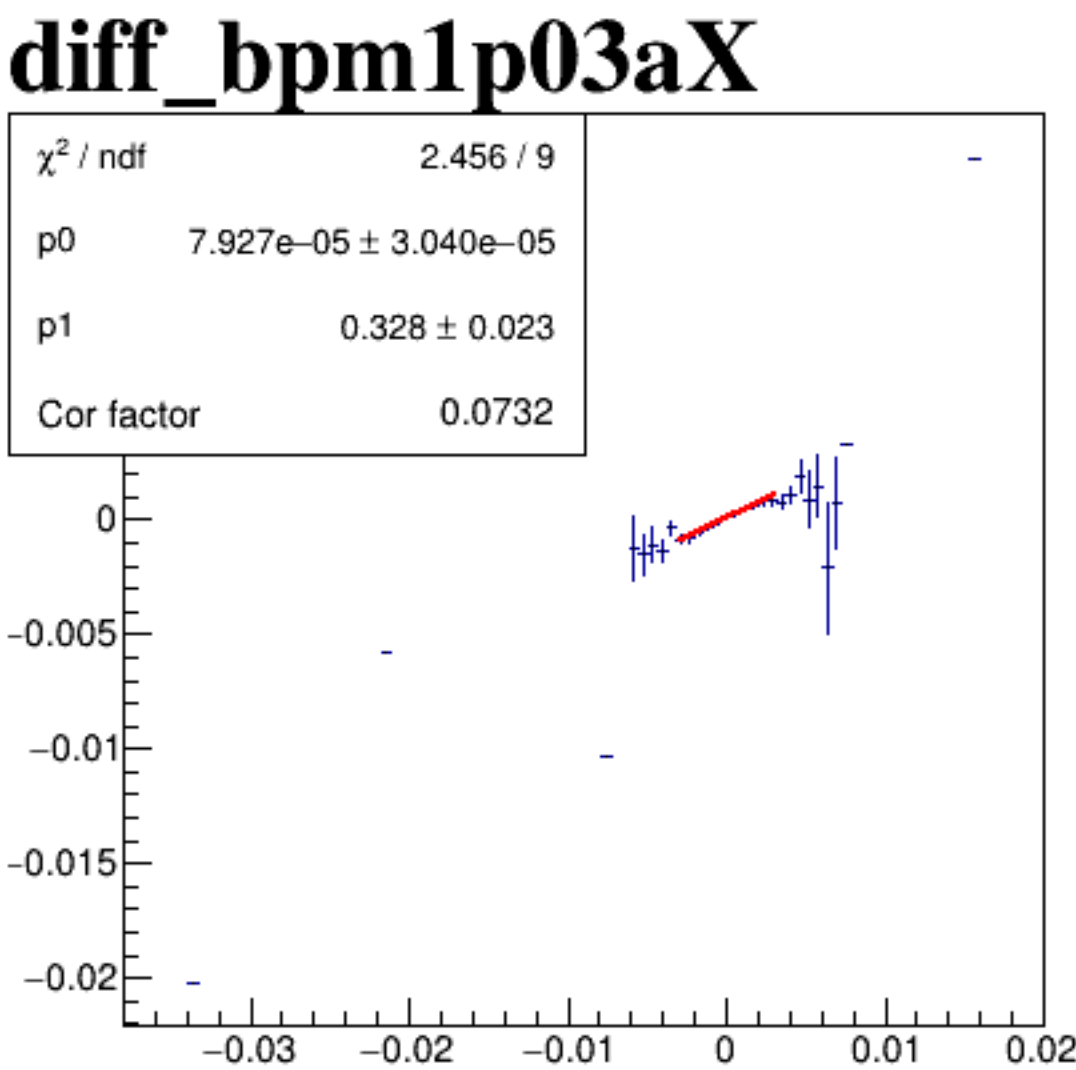
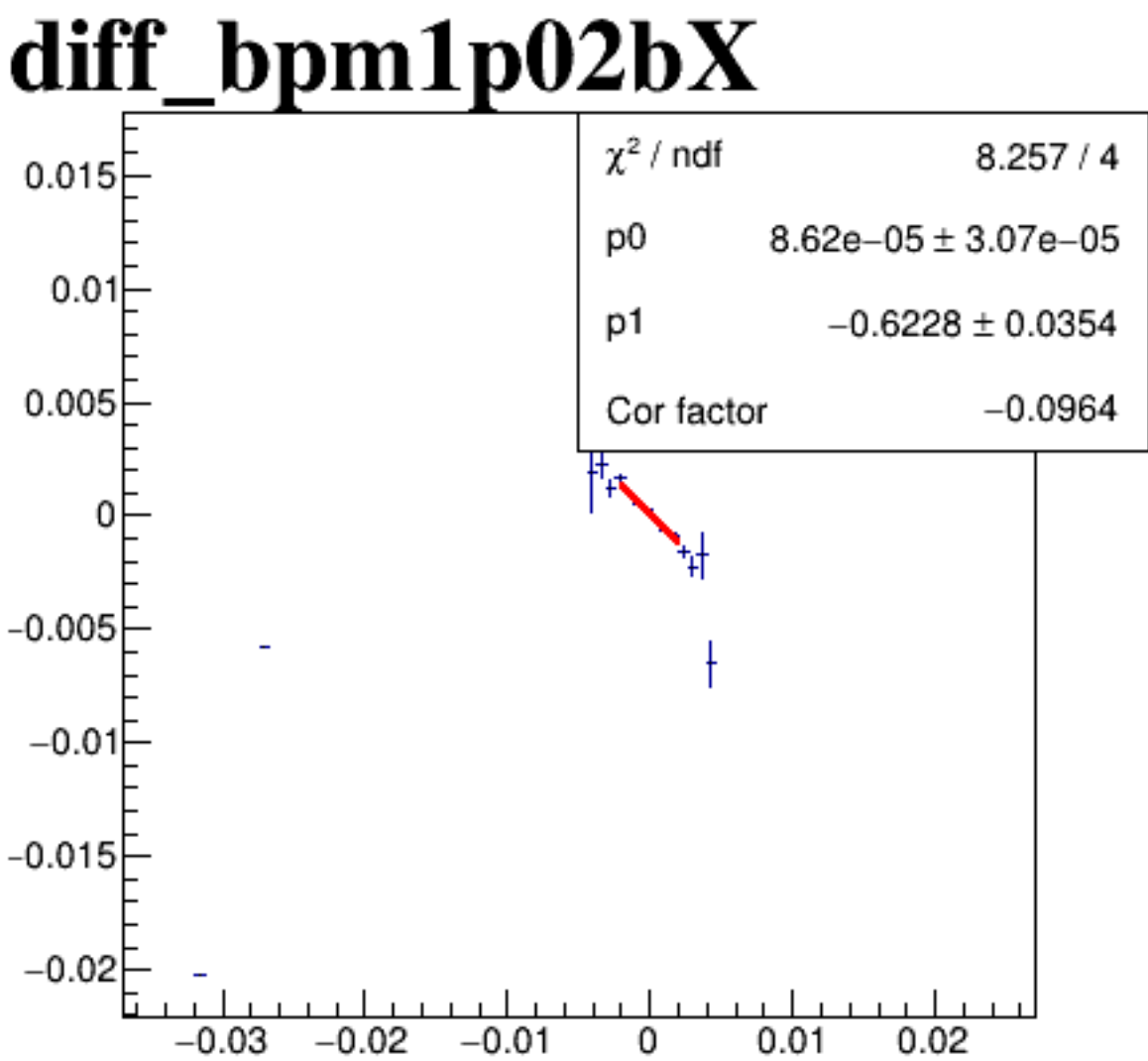
diff_bpm12X



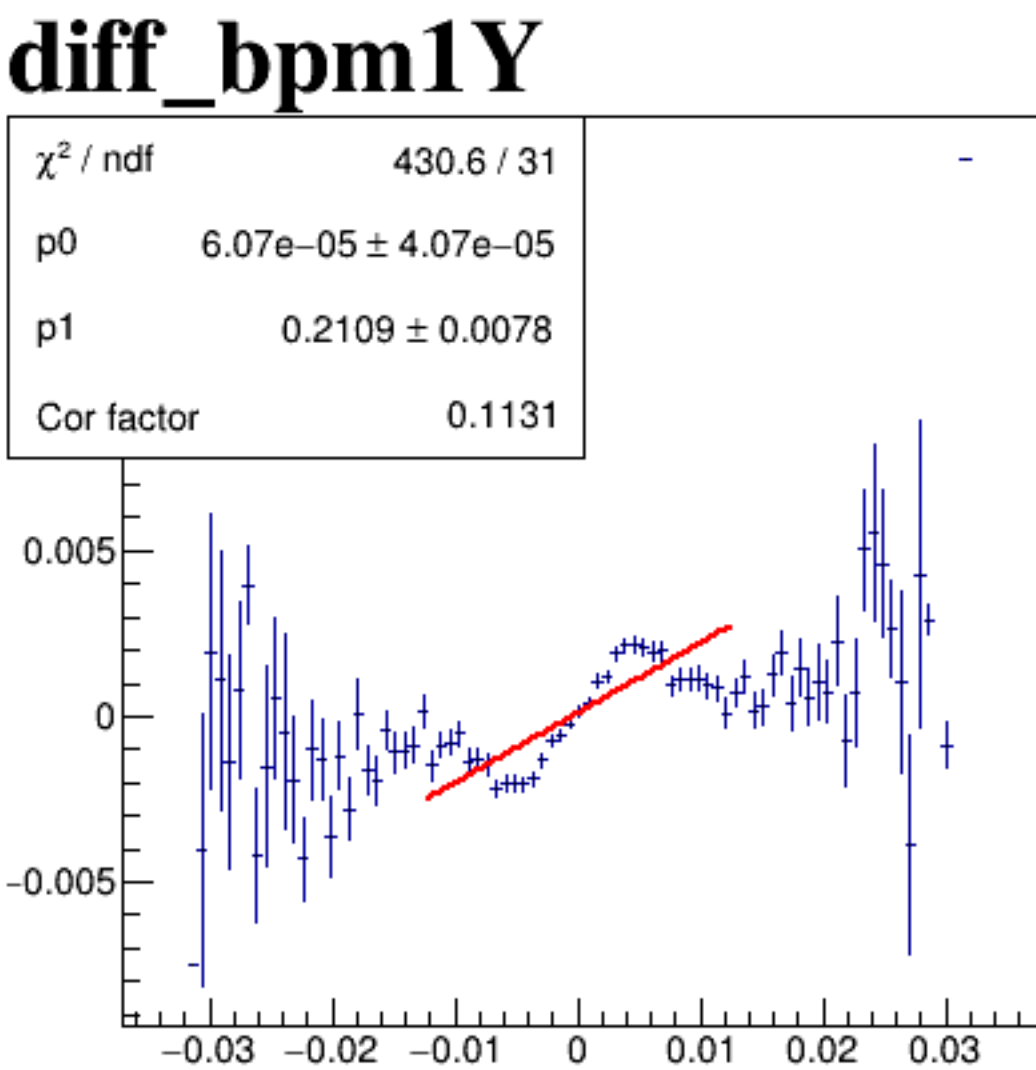
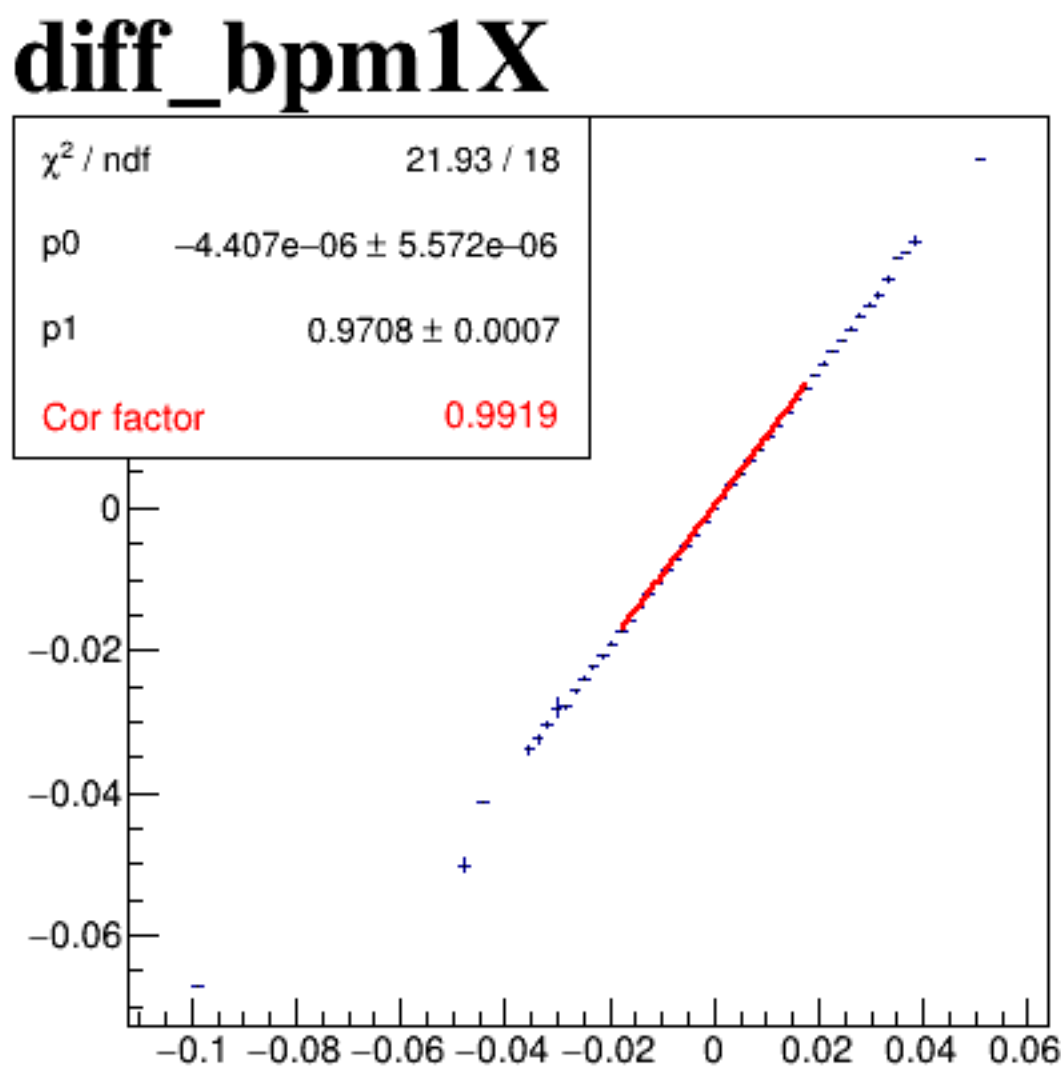
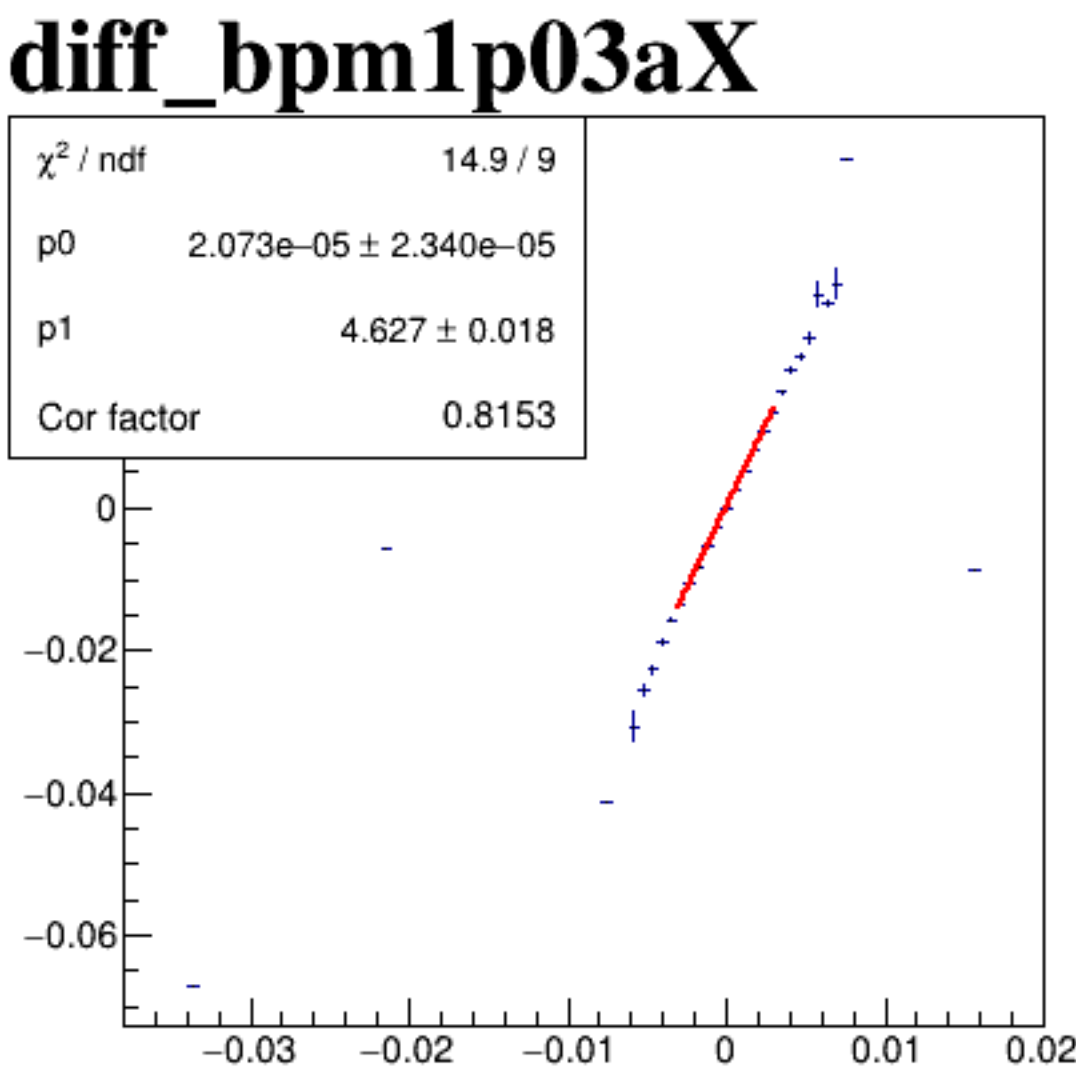
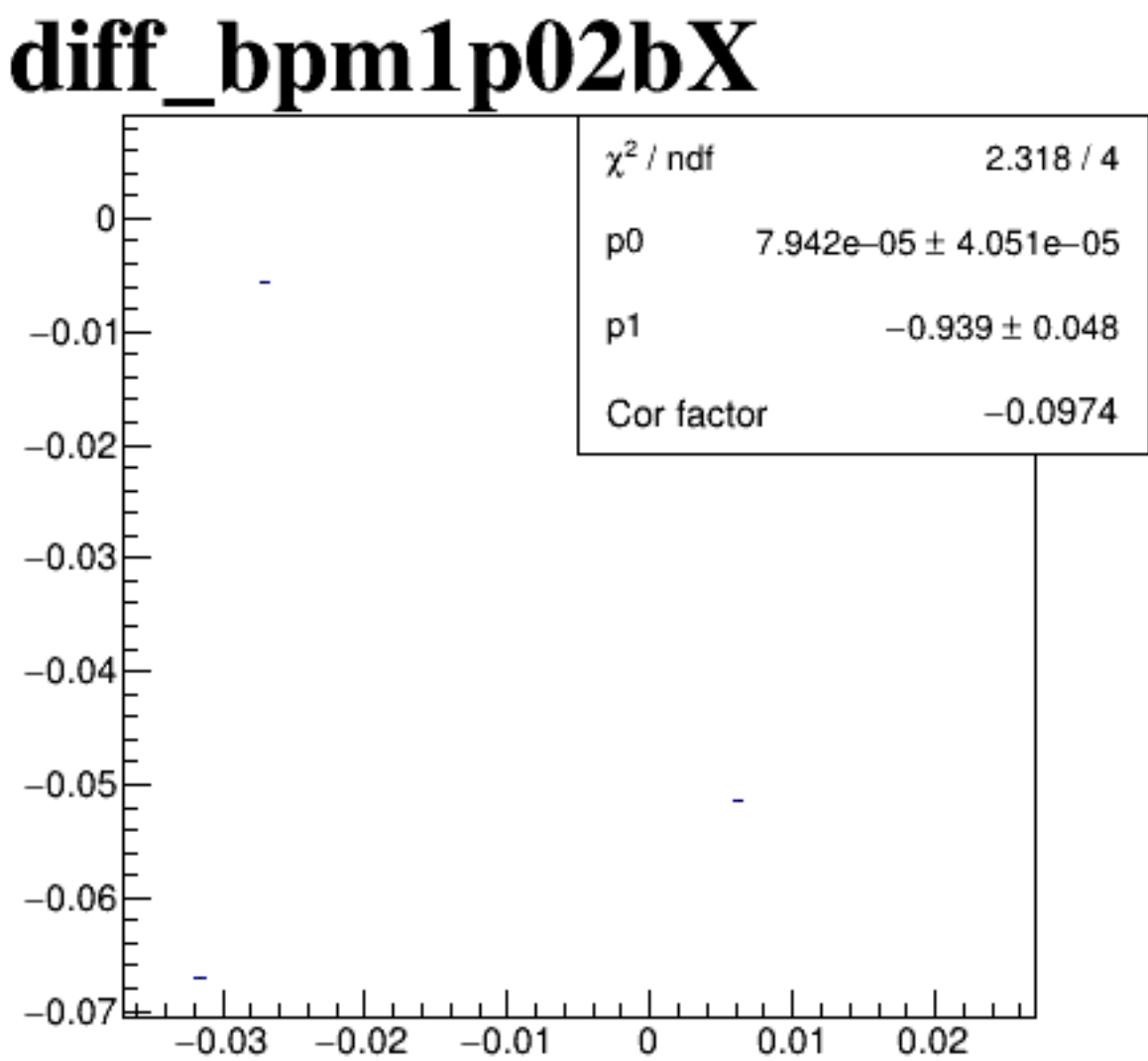
diff_bpm4aX



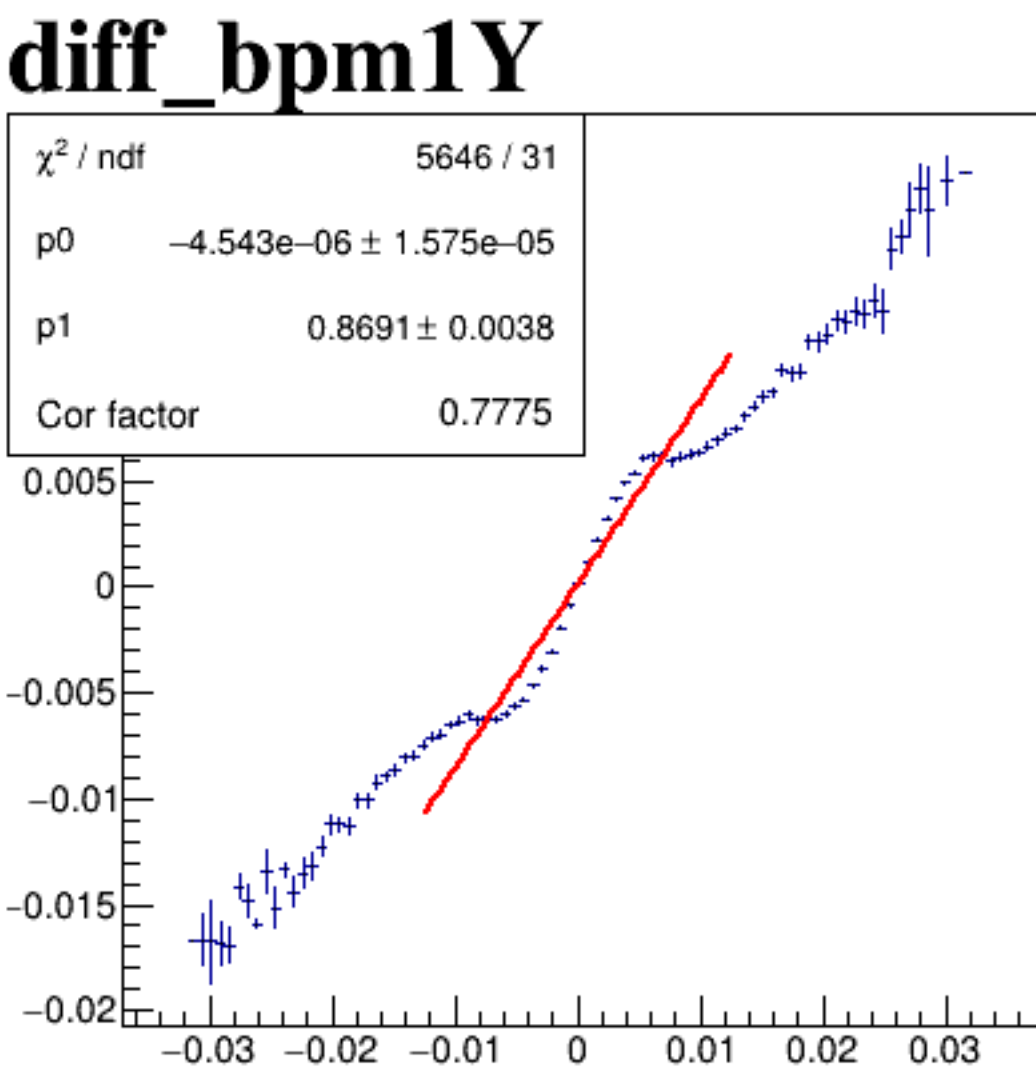
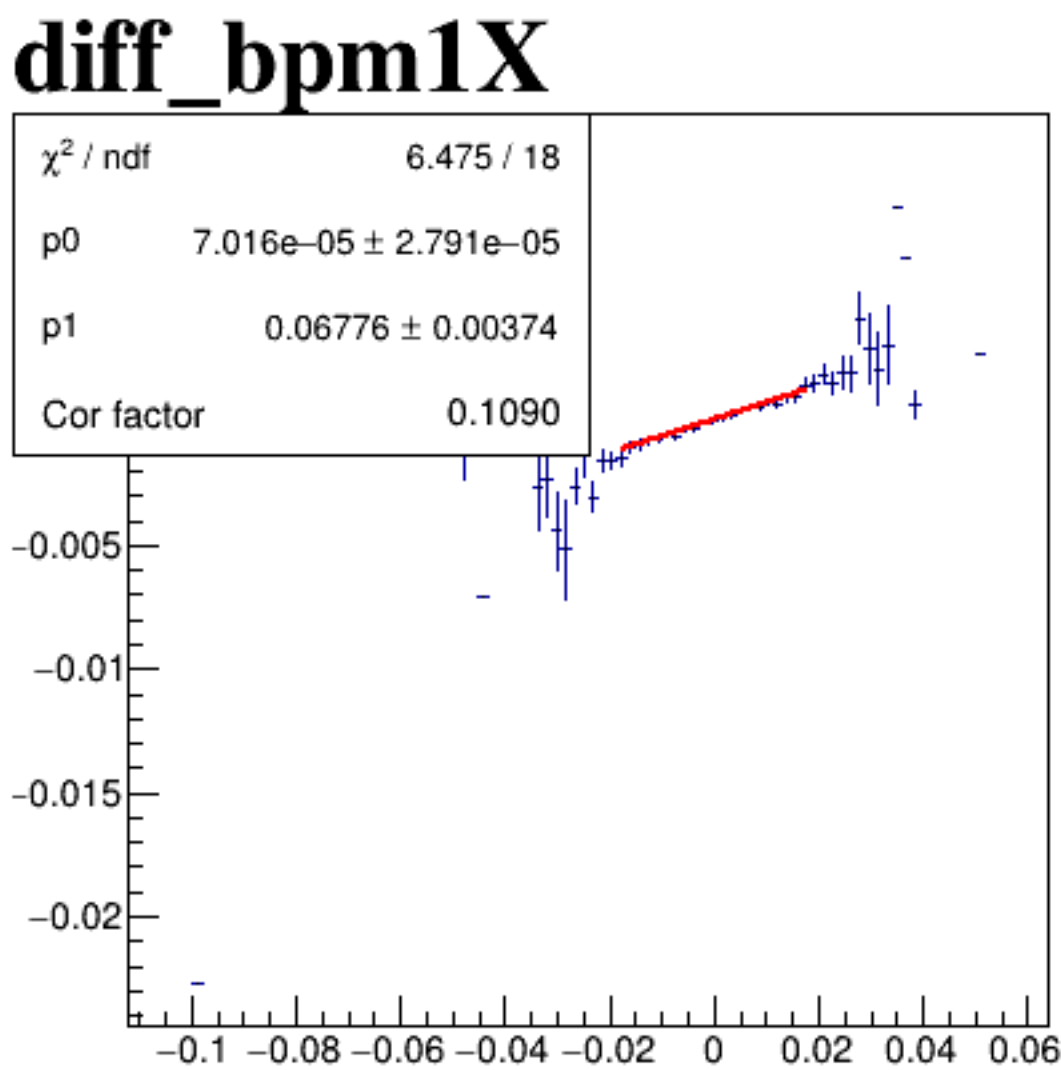
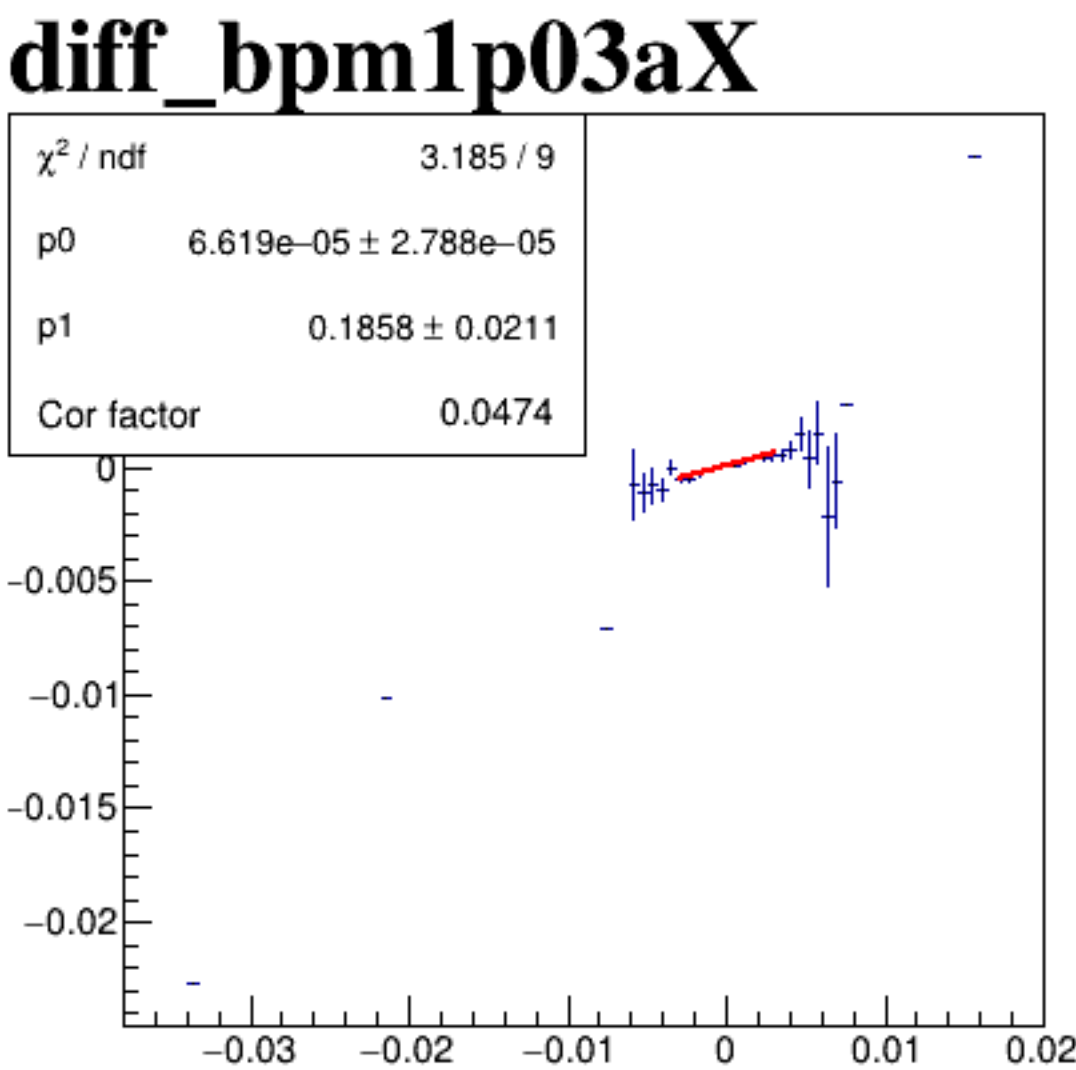
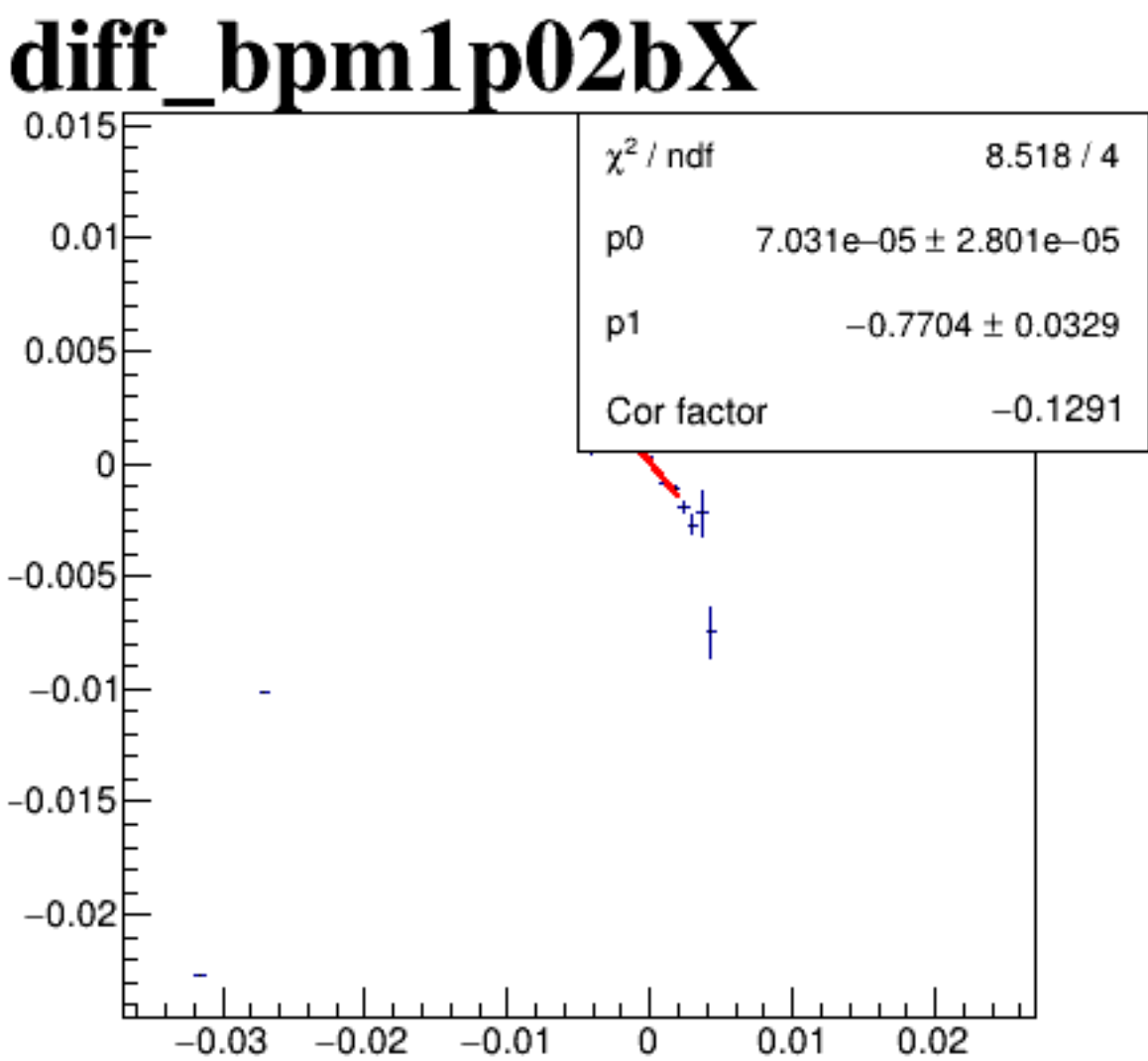
diff_bpm4aY



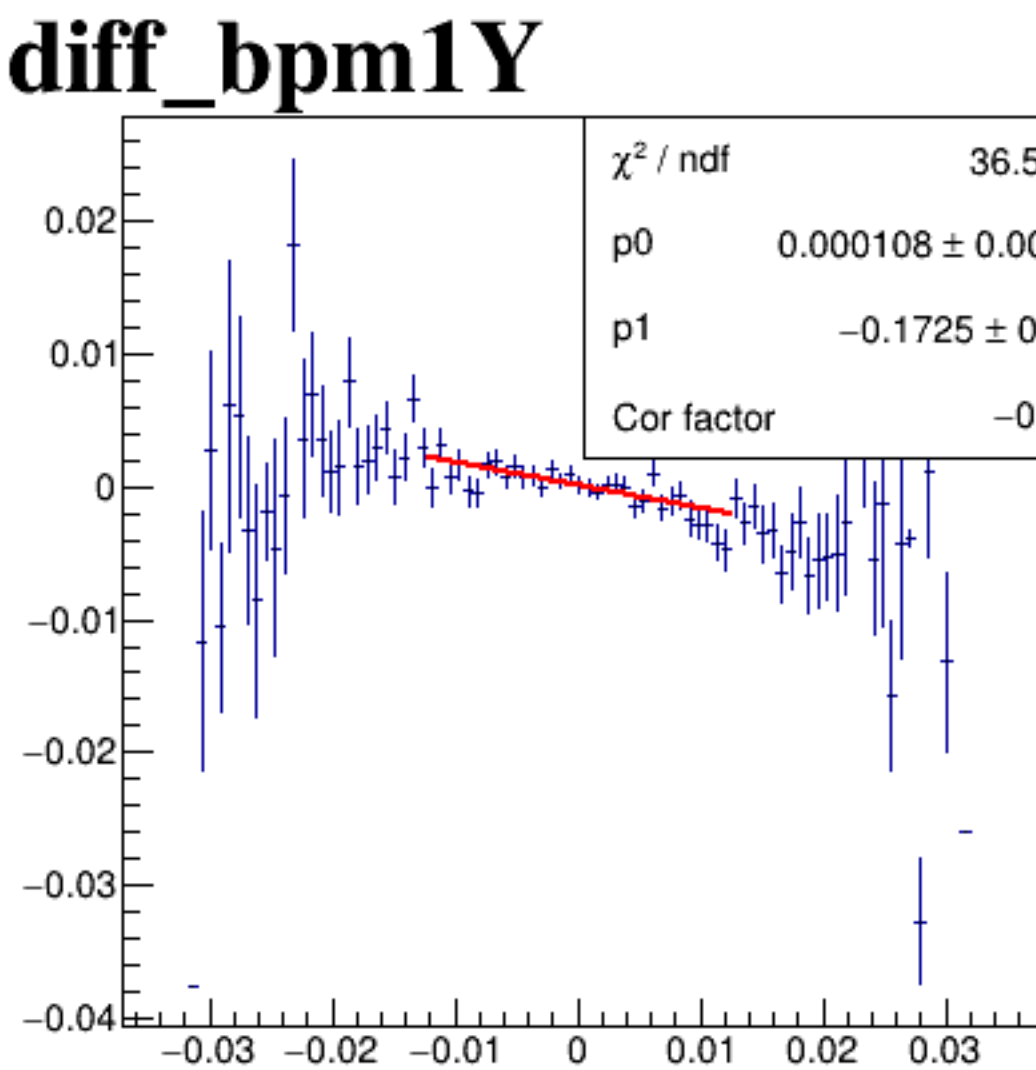
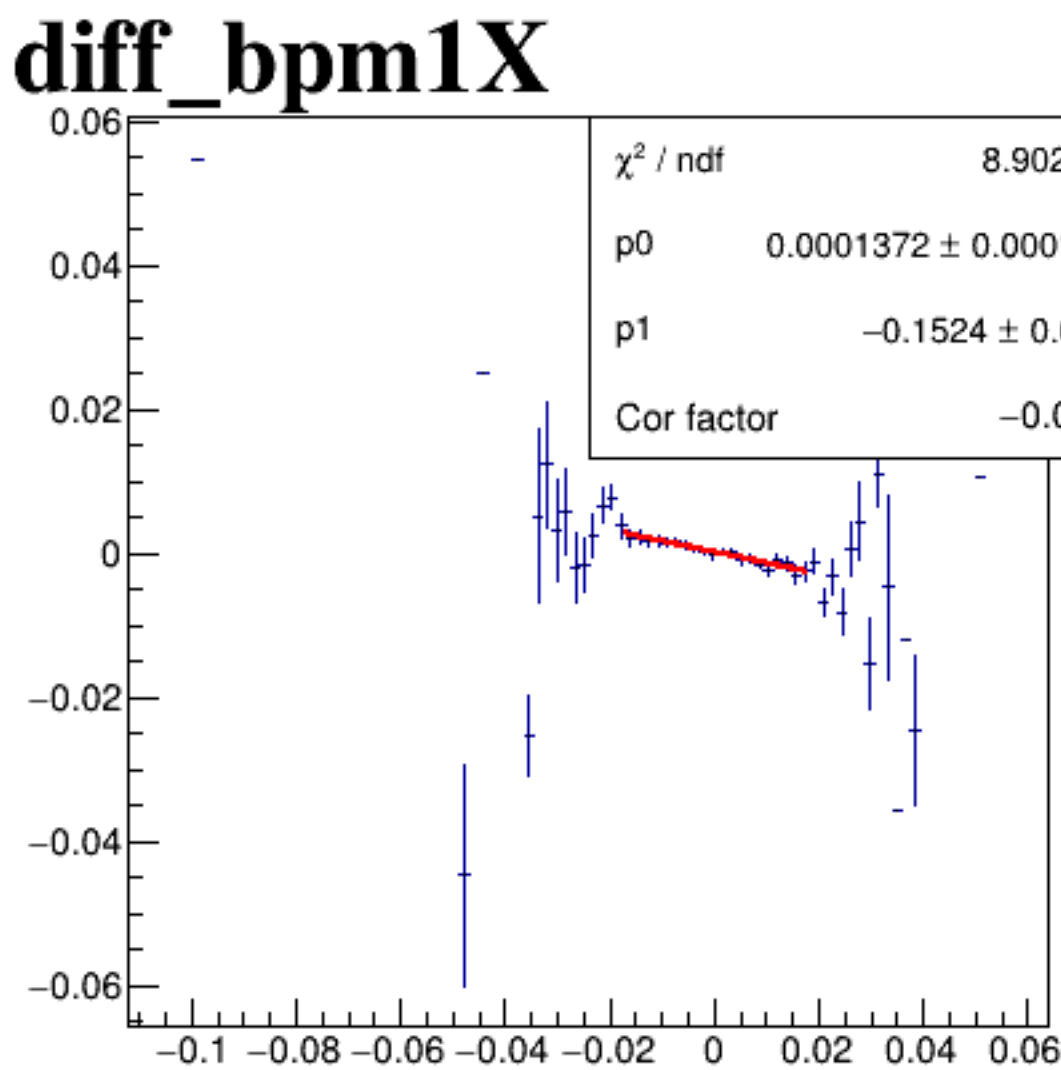
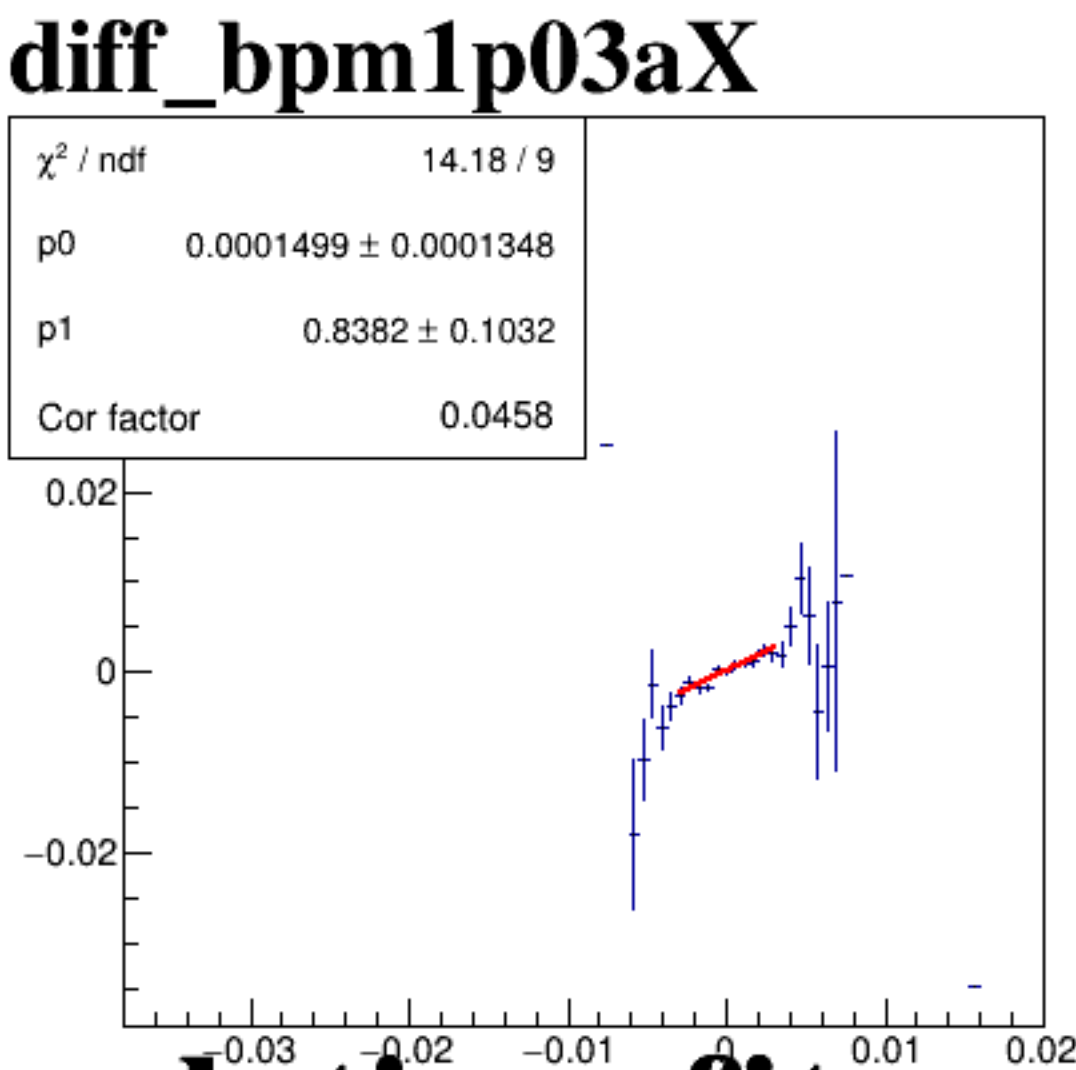
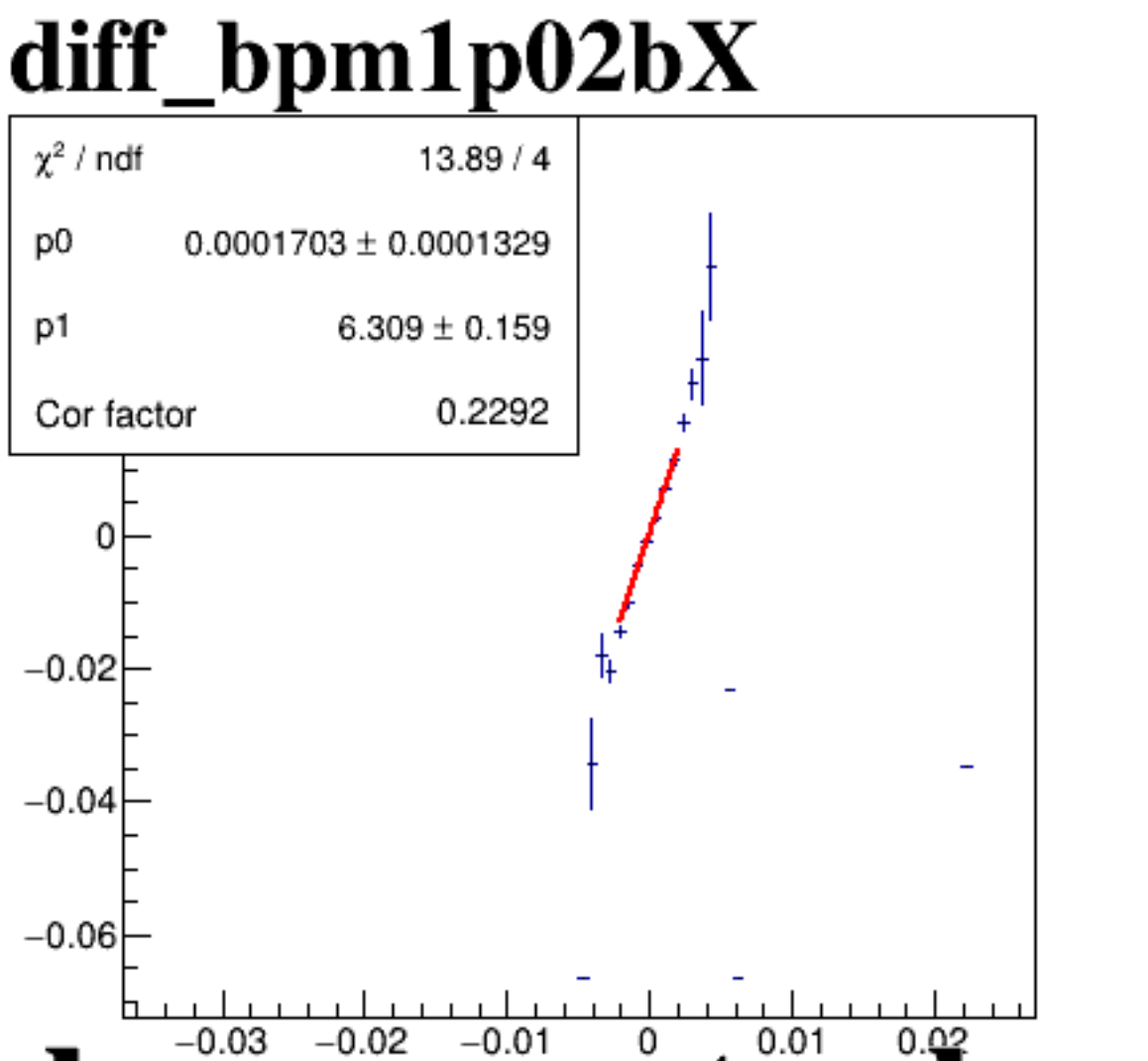
diff_bpm4eX



diff_bpm4eY



diff_bpm12X

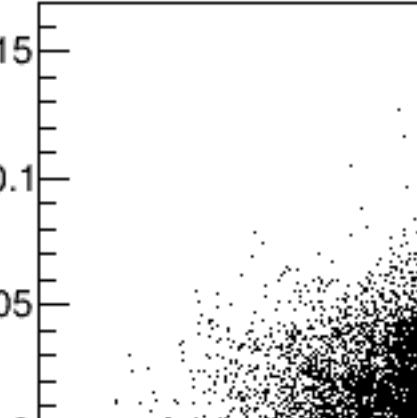


A scatter plot titled "diff_bpm1Y" showing a dense cloud of points centered around (0,0). The x-axis is labeled "diff_bpm1Y" and ranges from -0.03 to 0.03. The y-axis ranges from -0.1 to 0.06.

A scatter plot showing the relationship between two variables, both labeled 'diff_bpm1X'. The x-axis and y-axis both range from -0.1 to 0.06, with major ticks every 0.02 units. The data points are tightly clustered along a diagonal line from the bottom-left to the top-right, indicating a very strong positive correlation. The plot is titled 'diff_bpm1X' in large, bold, black font at the top left.

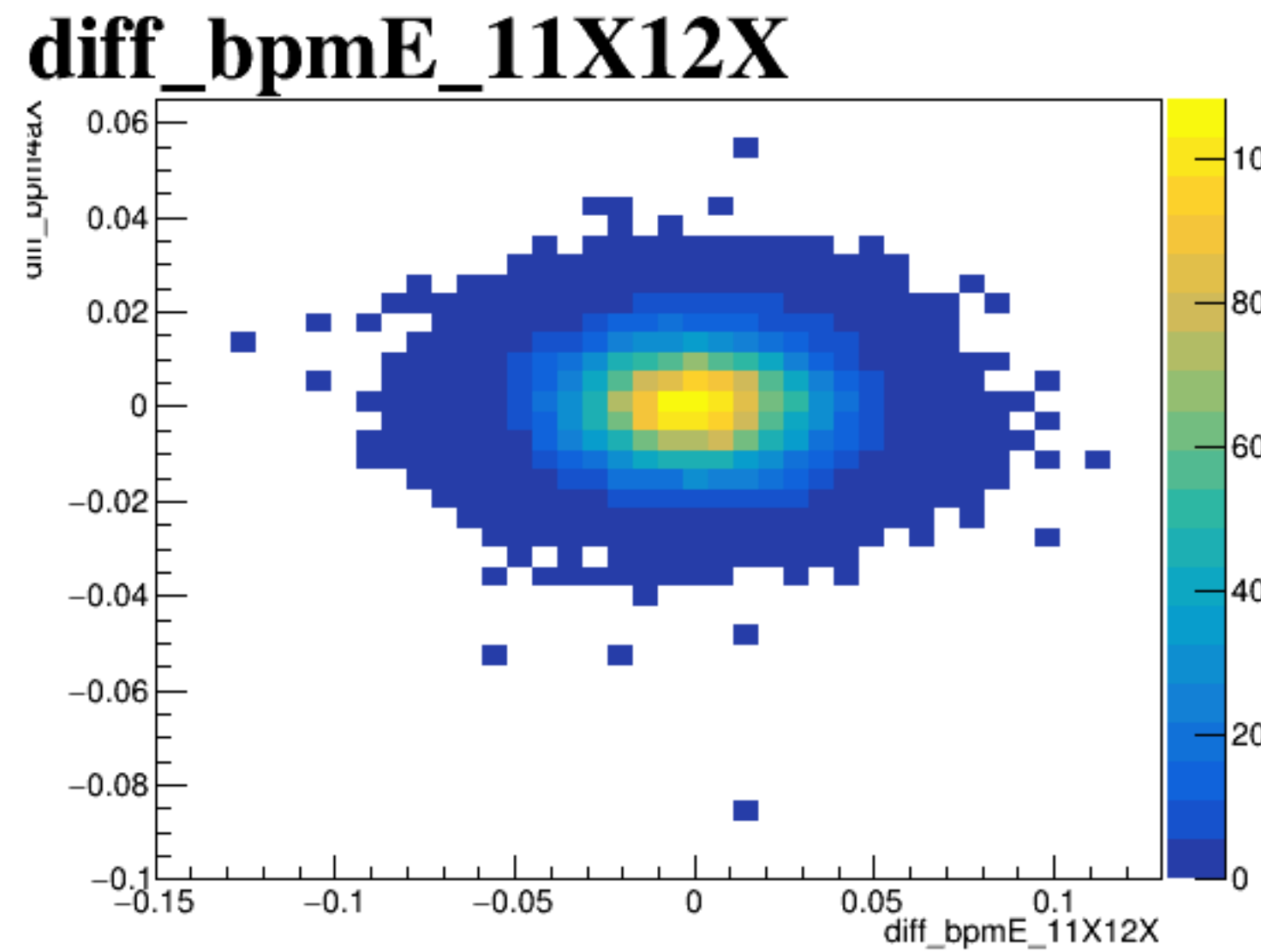
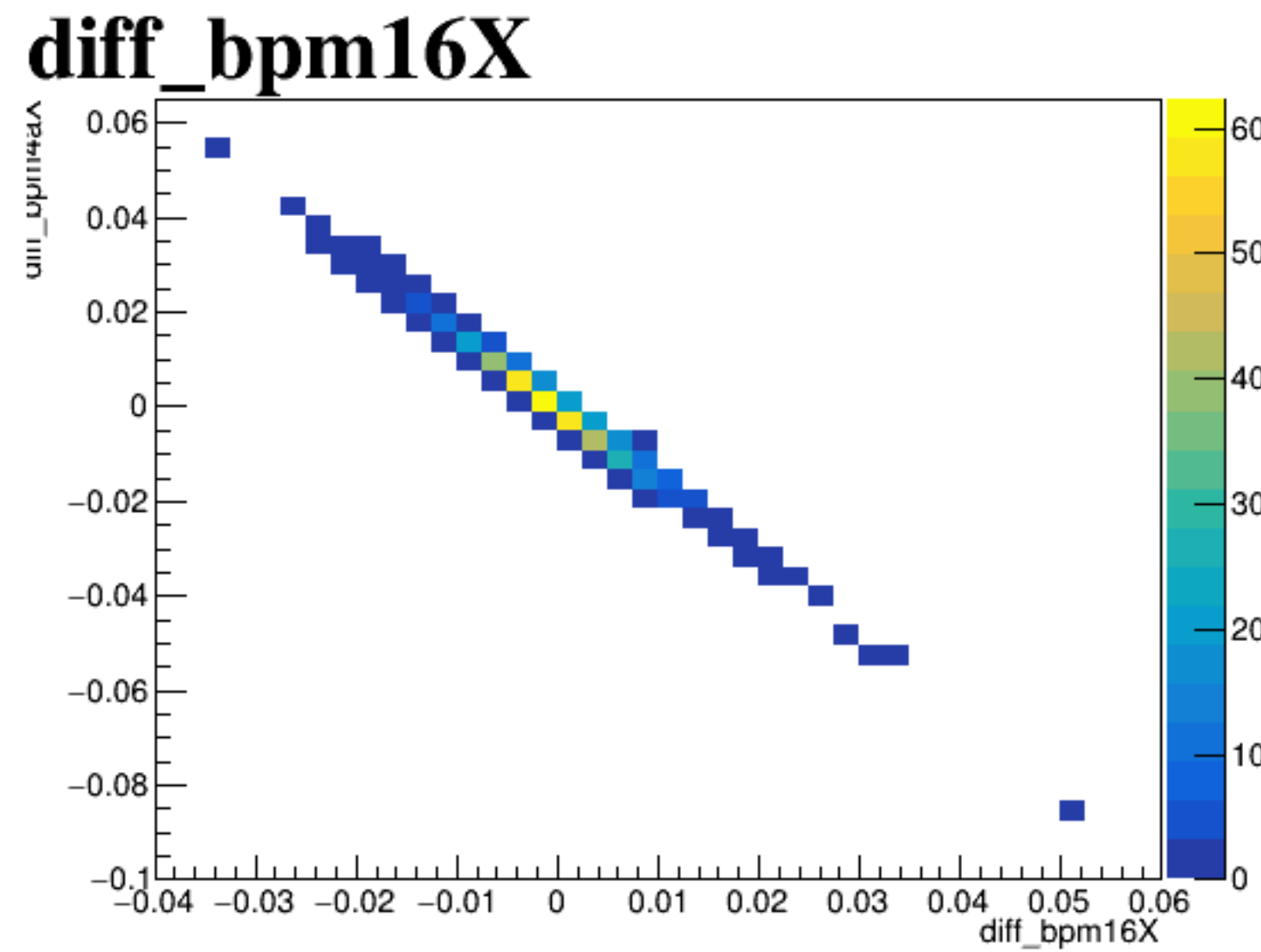
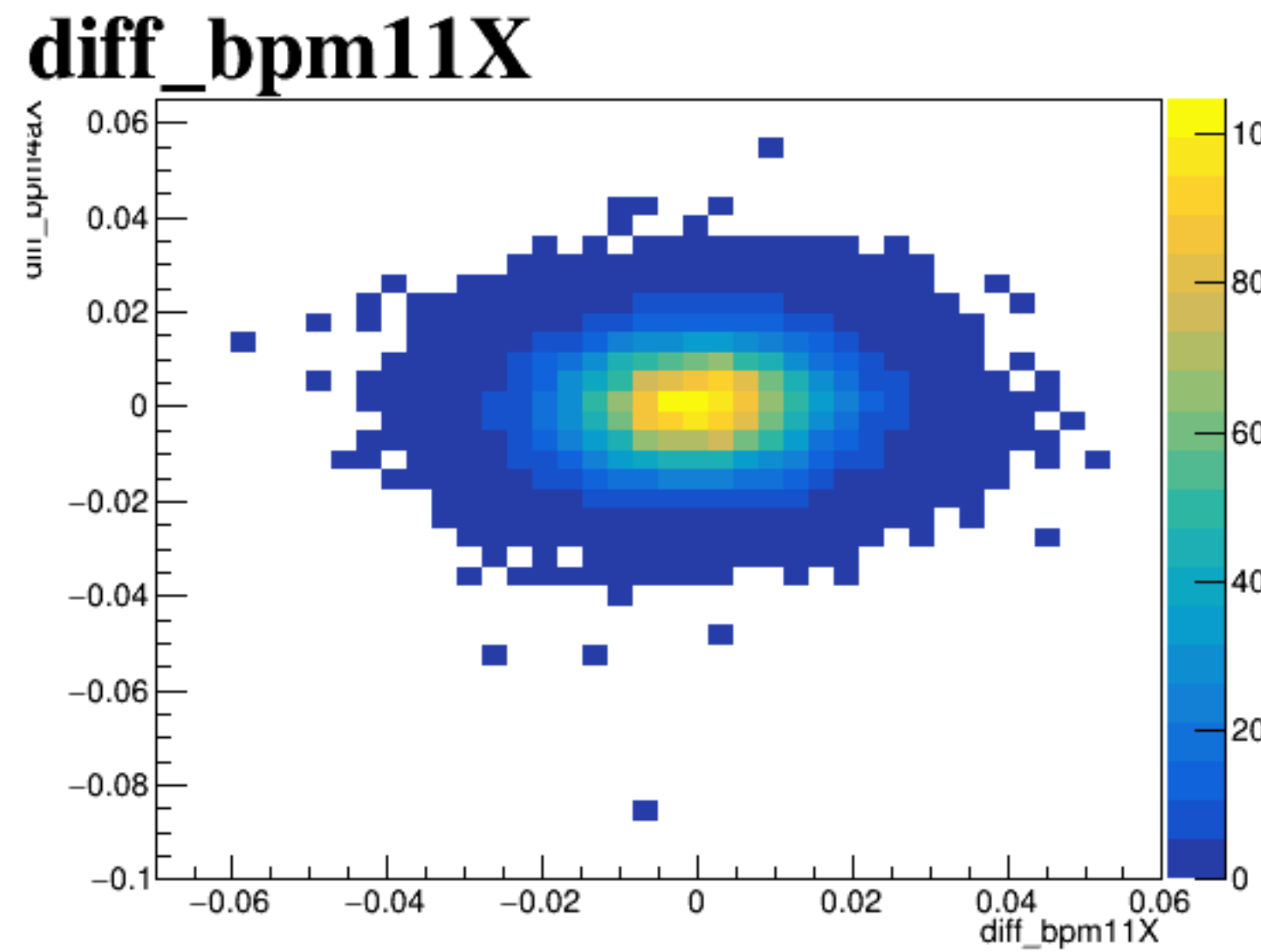
A scatter plot titled "diff_bpm1Y" showing a dense cloud of points centered around (0,0). The x-axis is labeled "diff_bpm1Y" and ranges from -0.03 to 0.03. The y-axis ranges from -0.06 to 0.06.

A scatter plot titled "diff_bpm1p02bX". The x-axis is labeled "diff_bpm1p02bX" and ranges from -0.03 to 0.02. The y-axis ranges from -0.02 to 0.02. The plot shows a dense vertical distribution of points centered at 0 on the x-axis, with a slight spread in the y-direction.

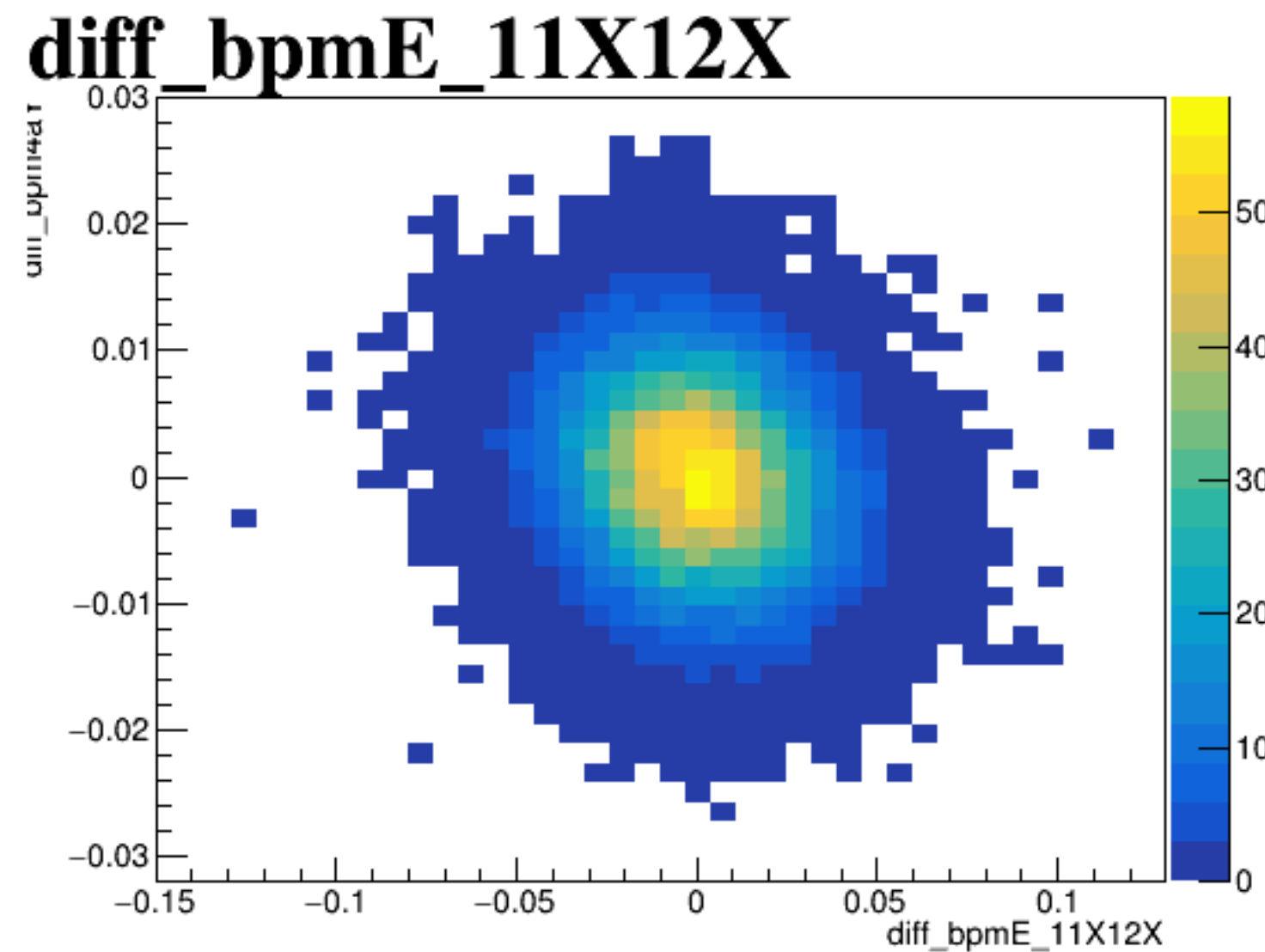
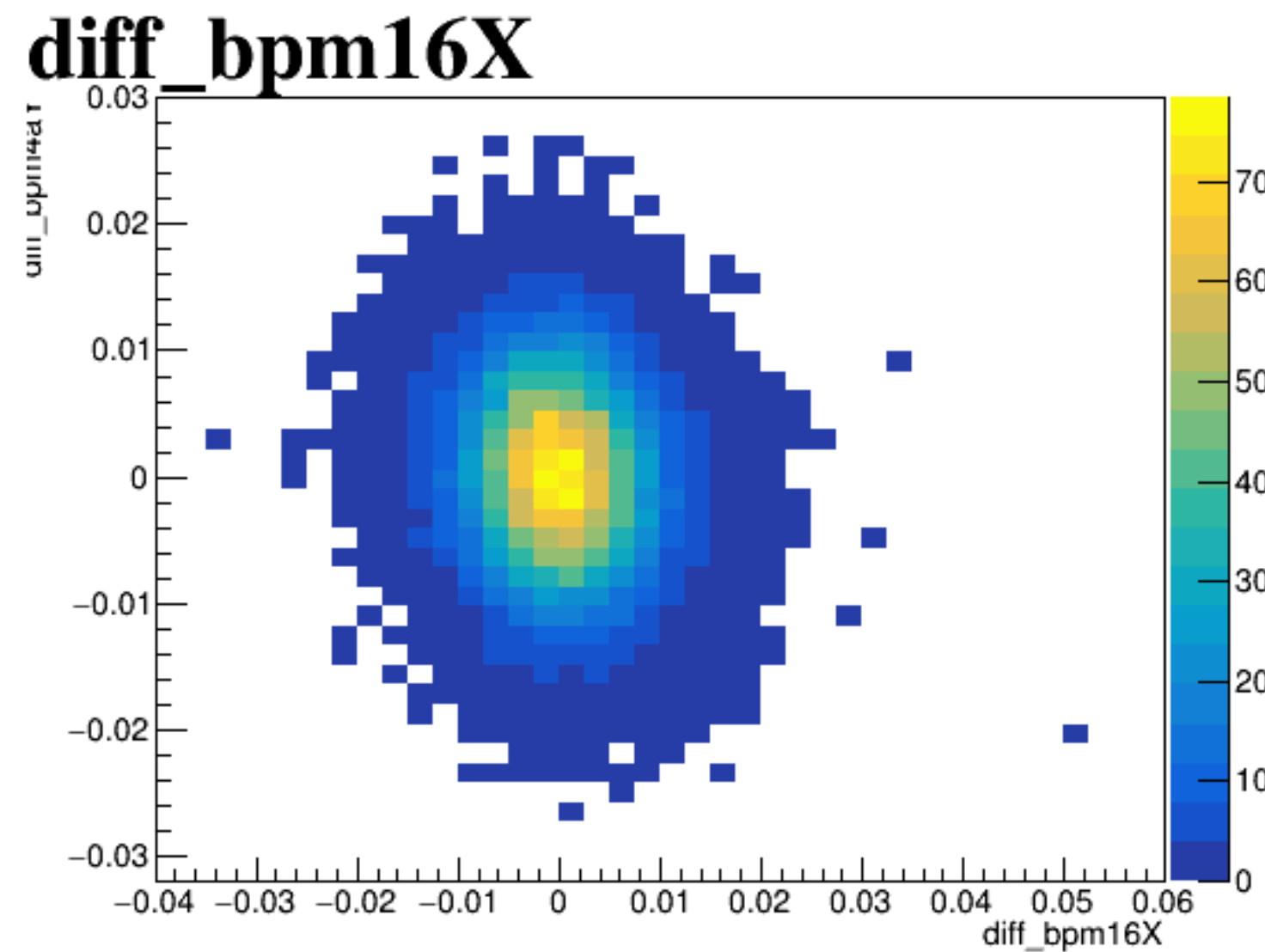
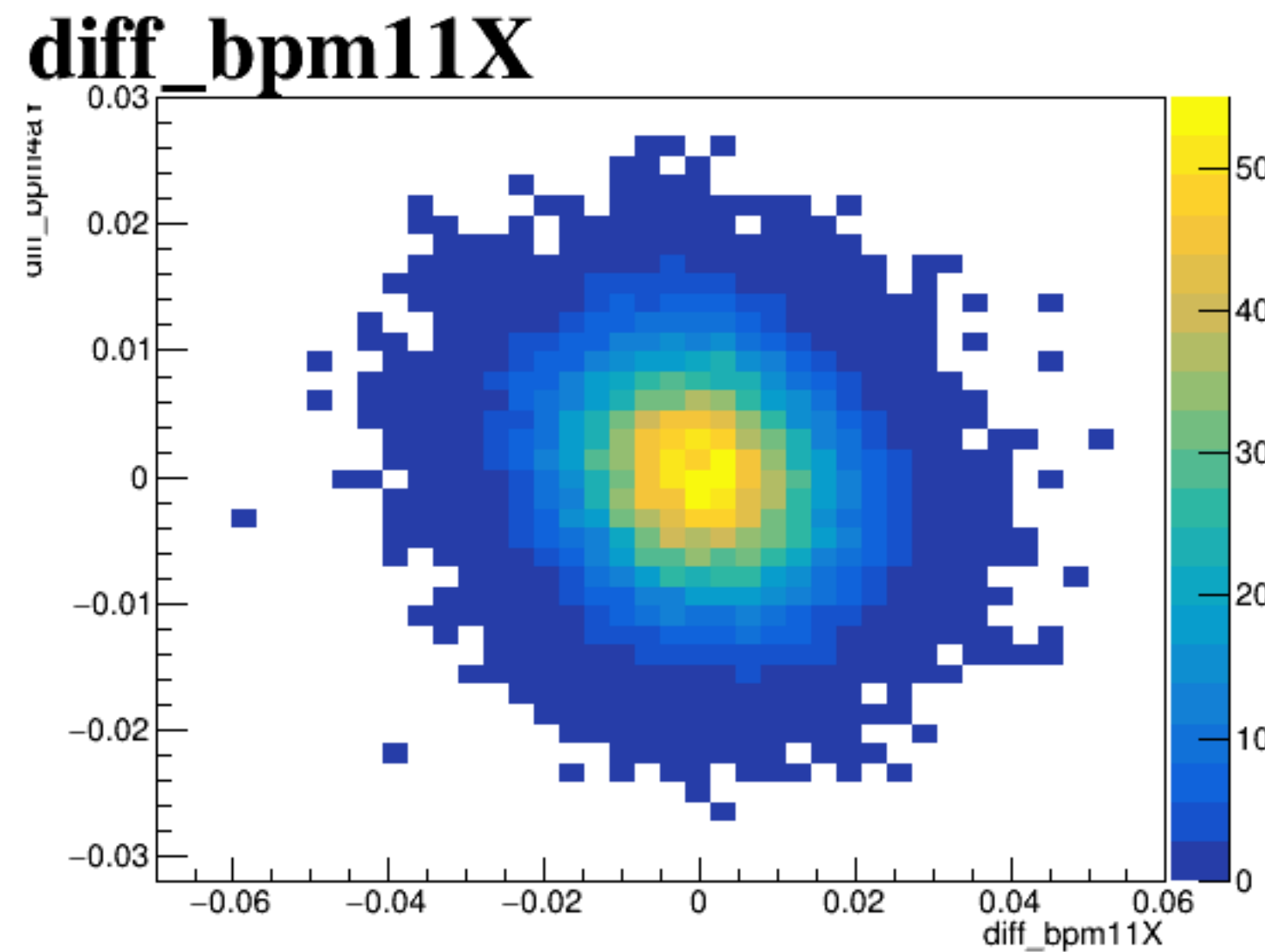


A scatter plot showing the relationship between diff_bpm1Y (x-axis) and diff_bpm1Y (y-axis). The plot displays a dense cloud of points centered around the origin (0,0), indicating a strong positive correlation. The axes range from approximately -0.03 to 0.03 on the x-axis and -0.15 to 0.15 on the y-axis.

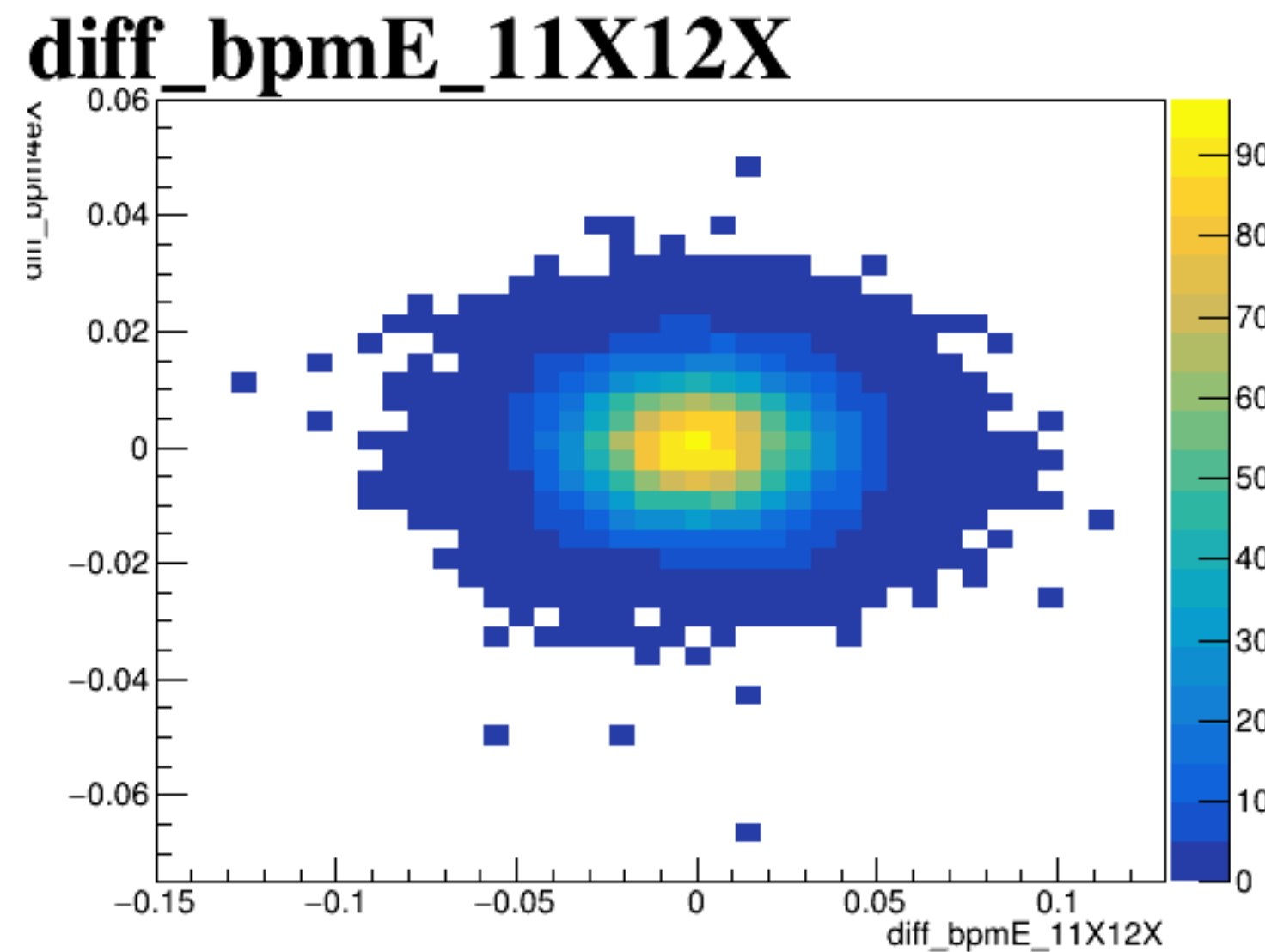
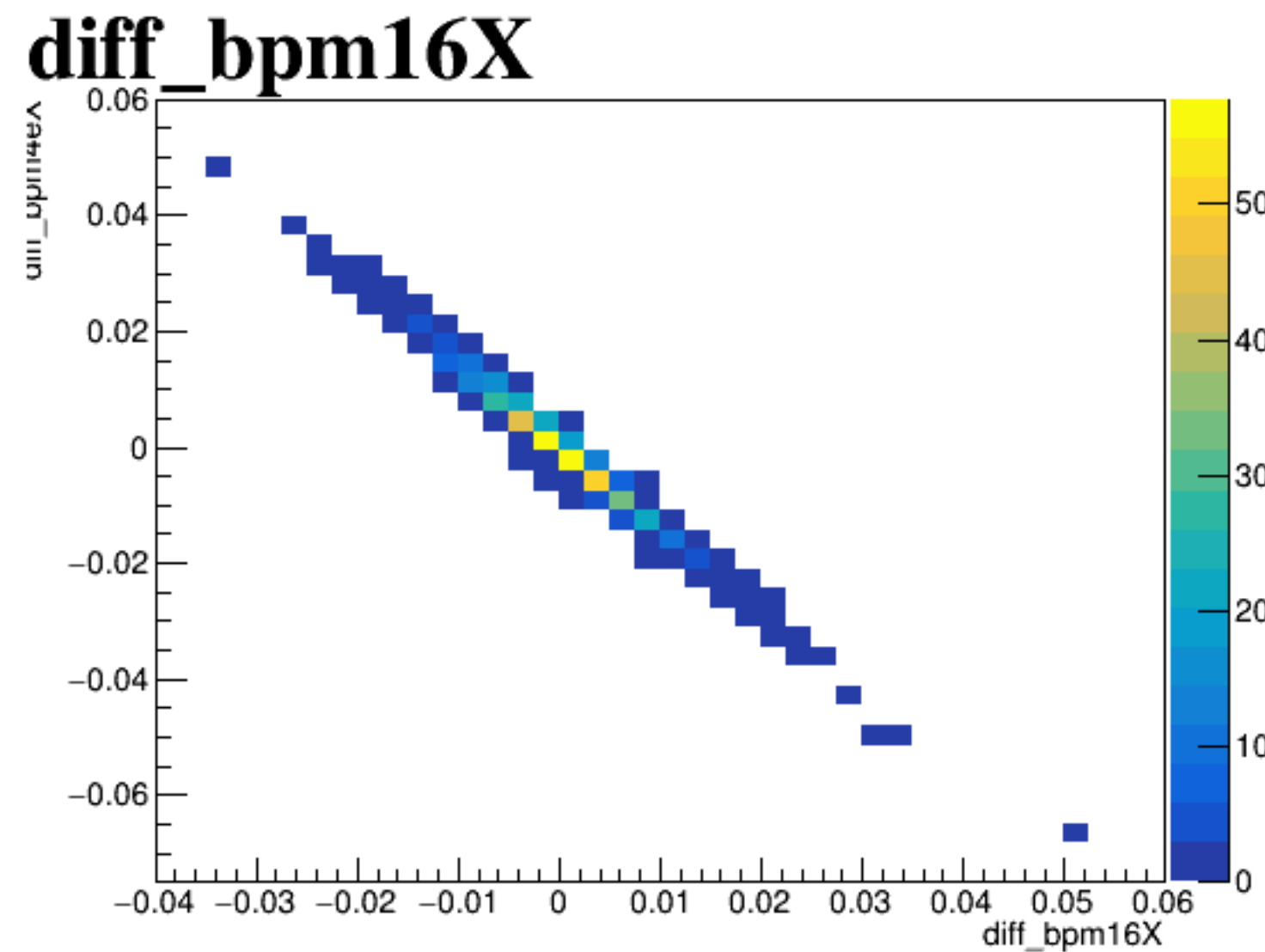
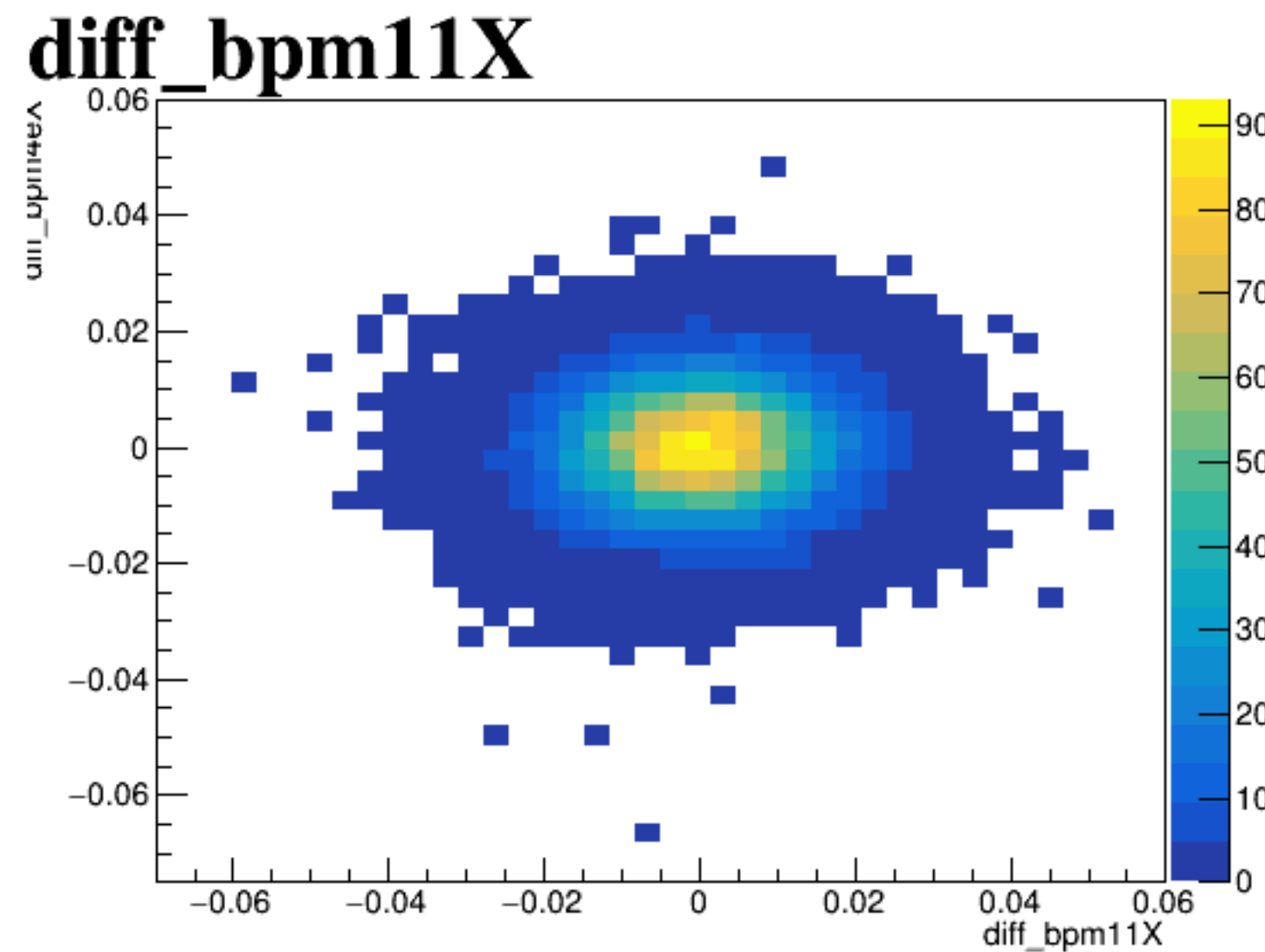
diff_bpm4aX



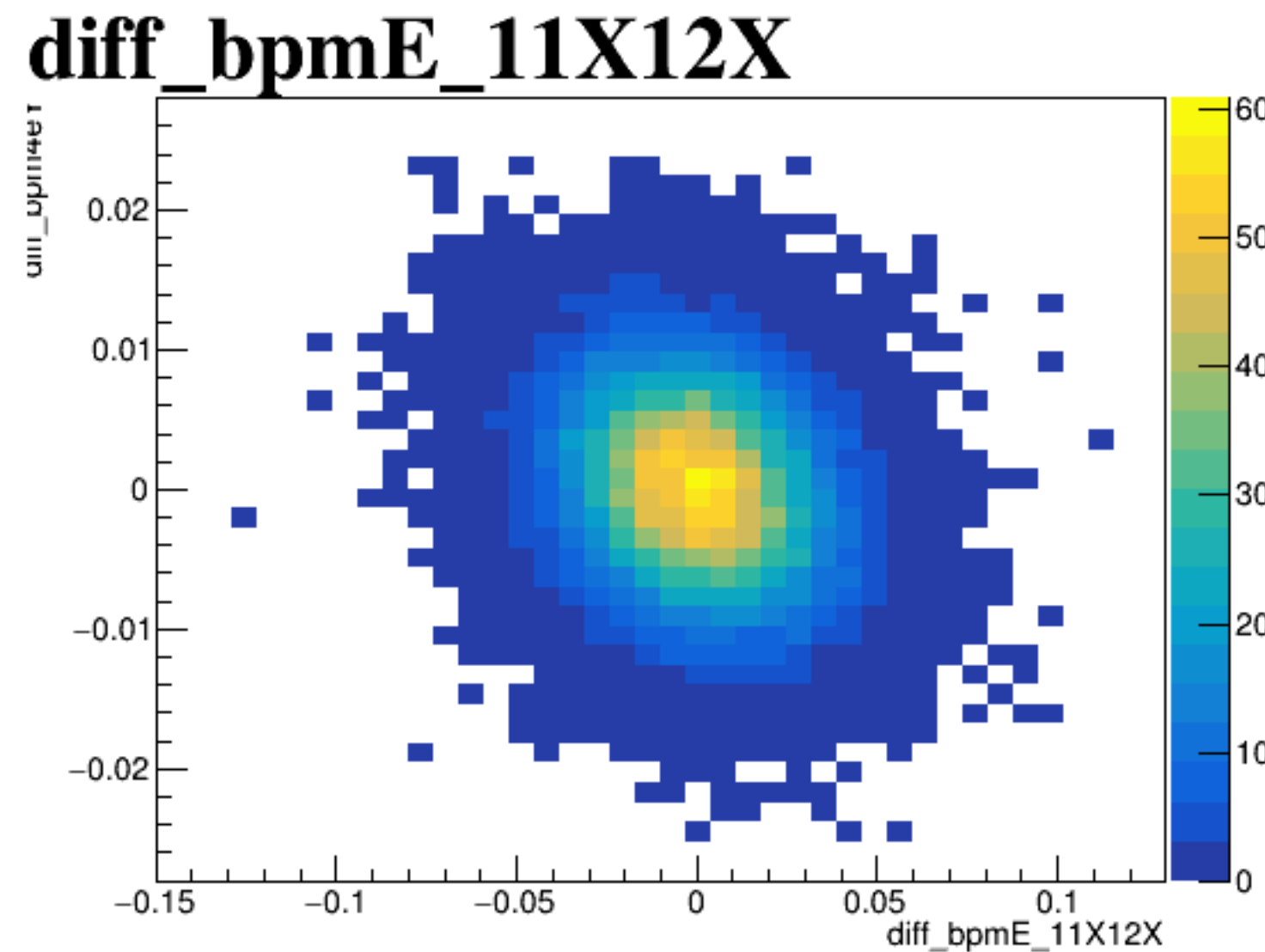
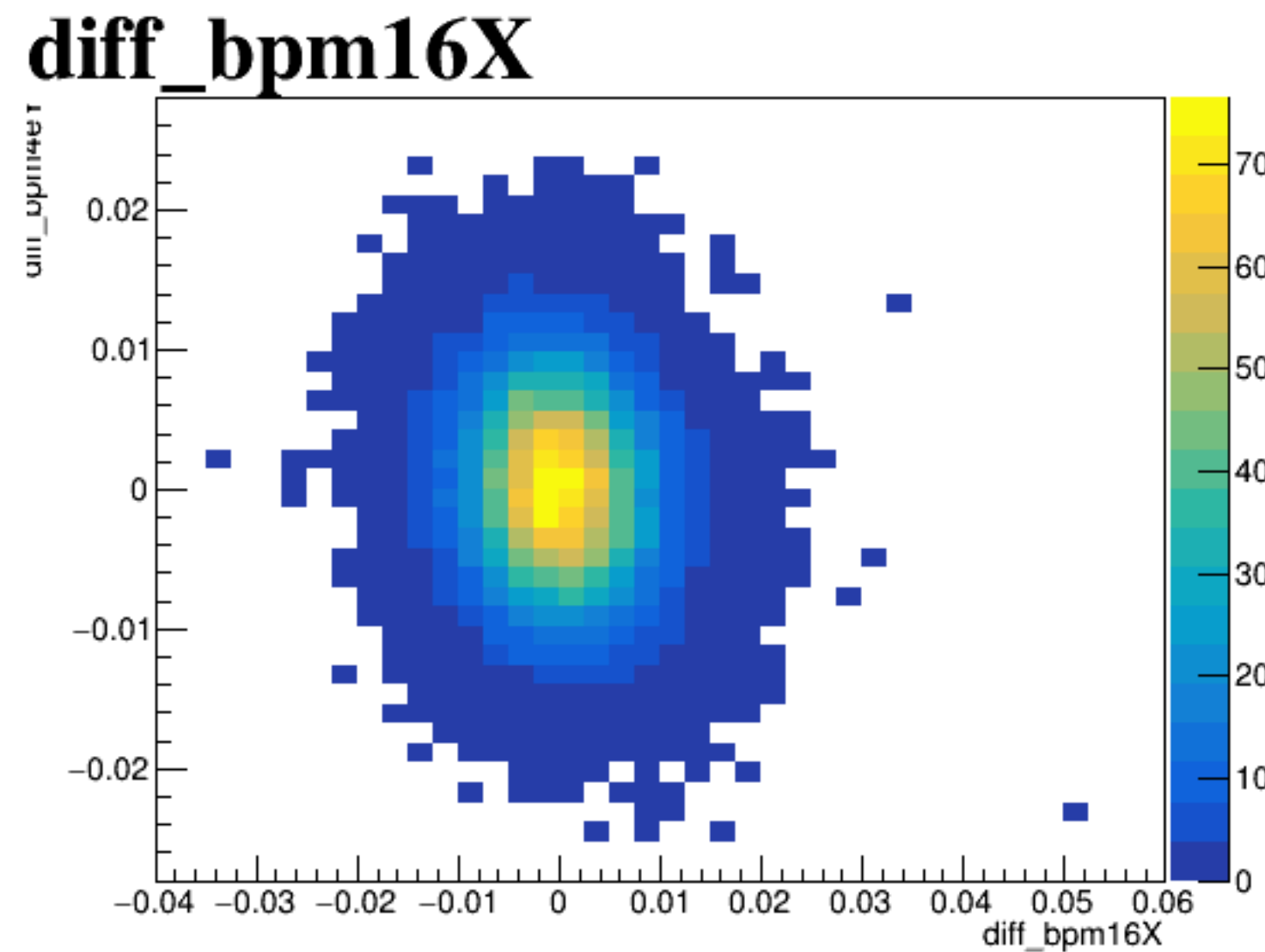
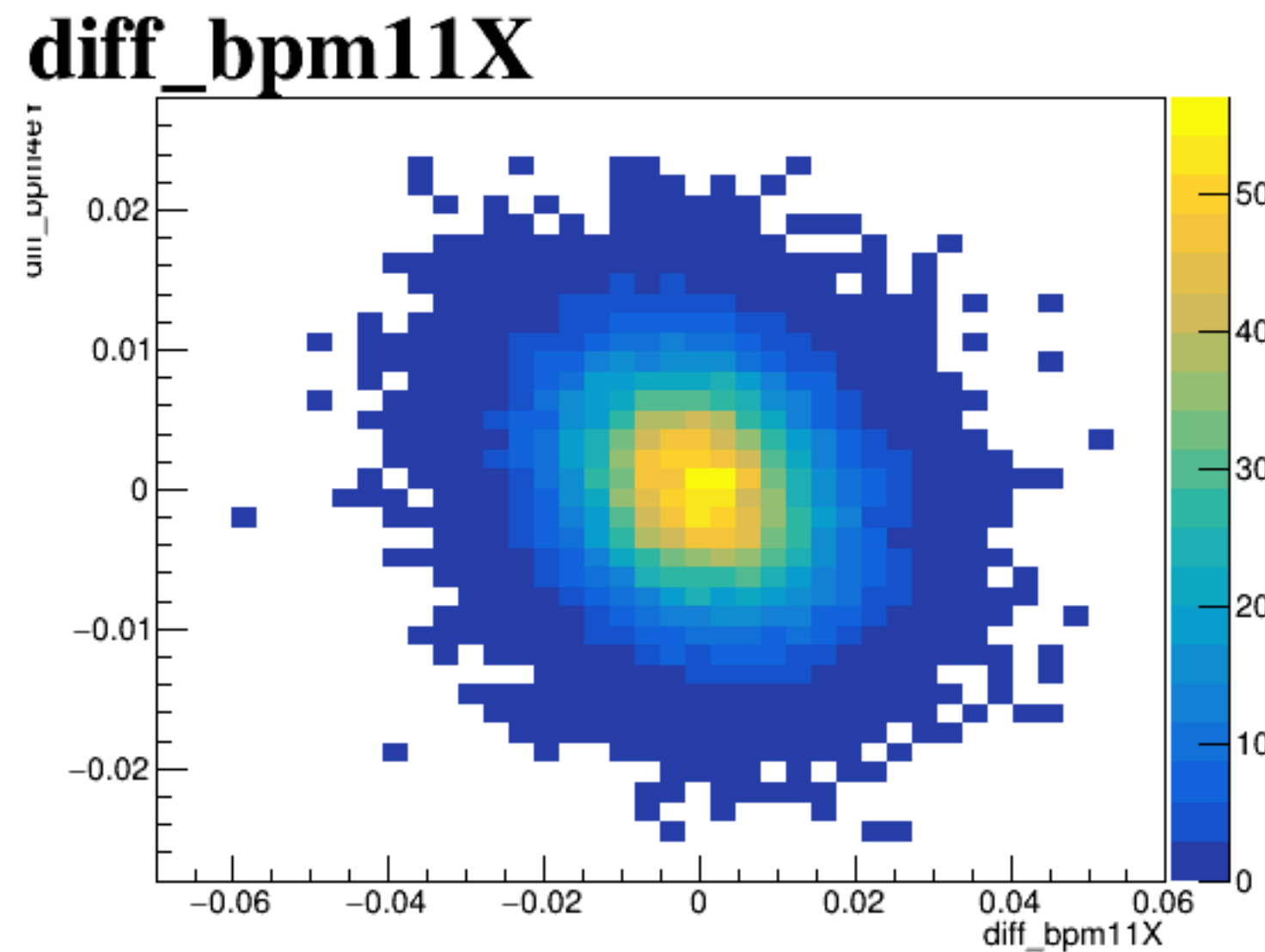
diff_bpm4aY



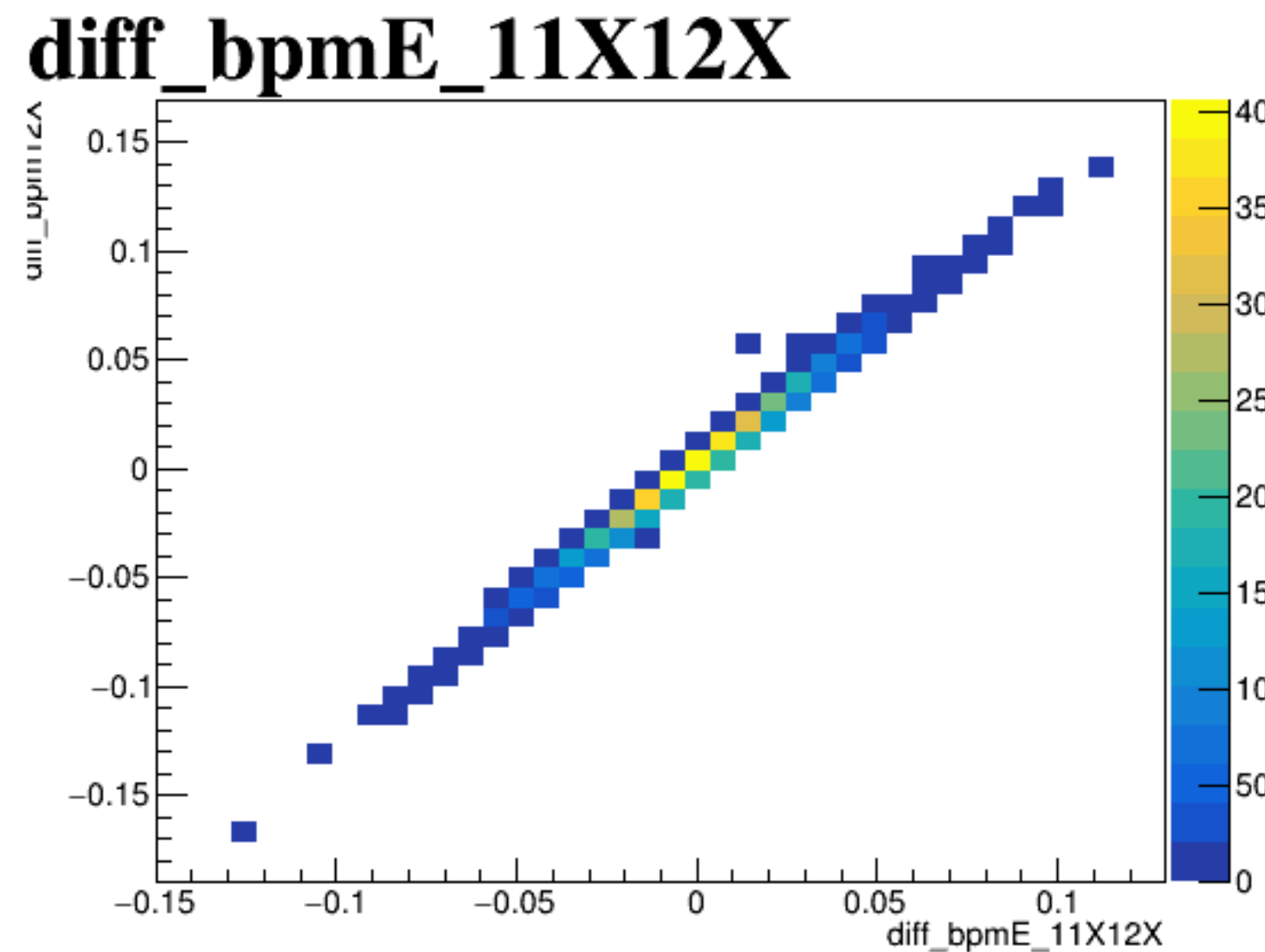
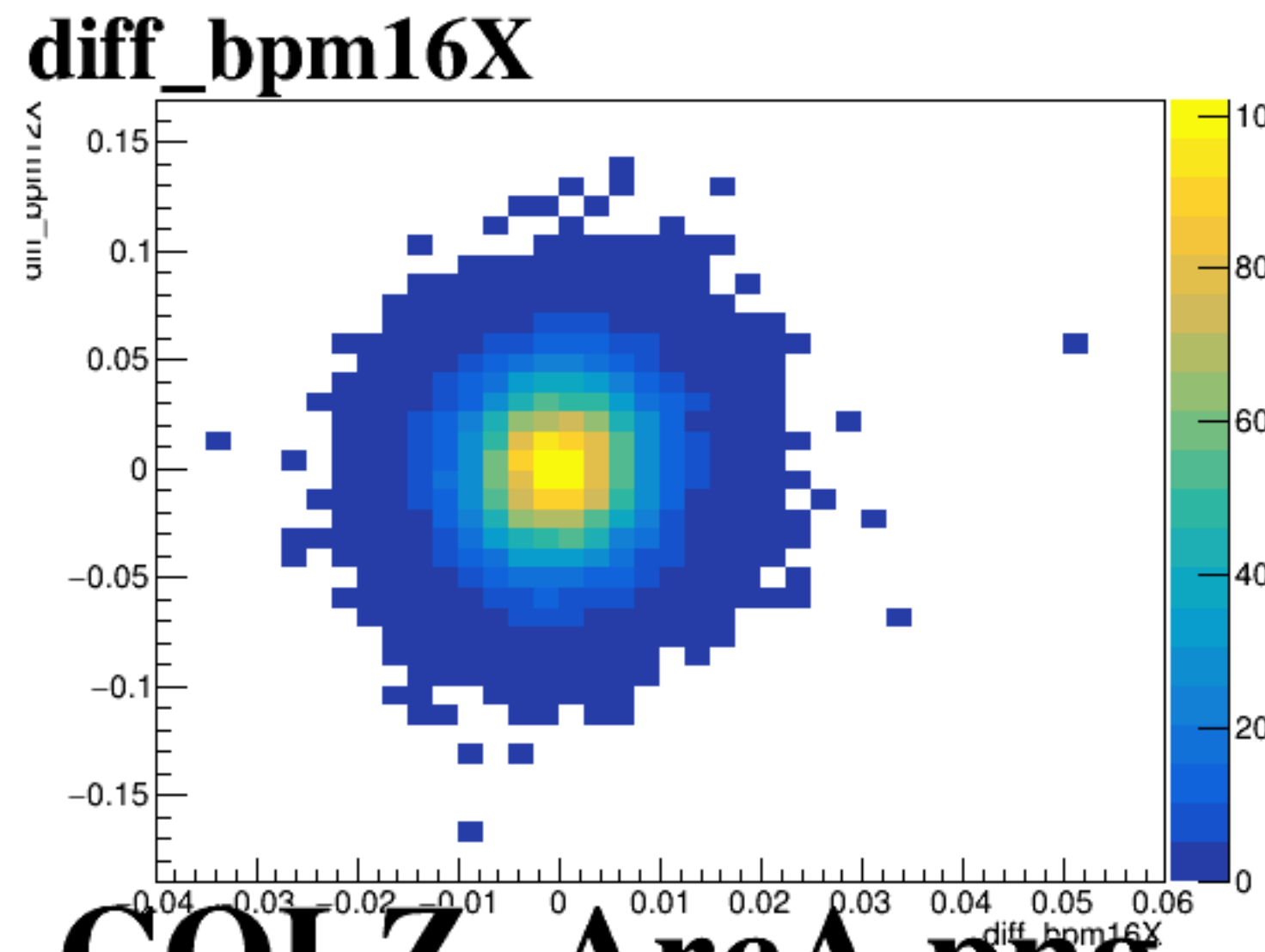
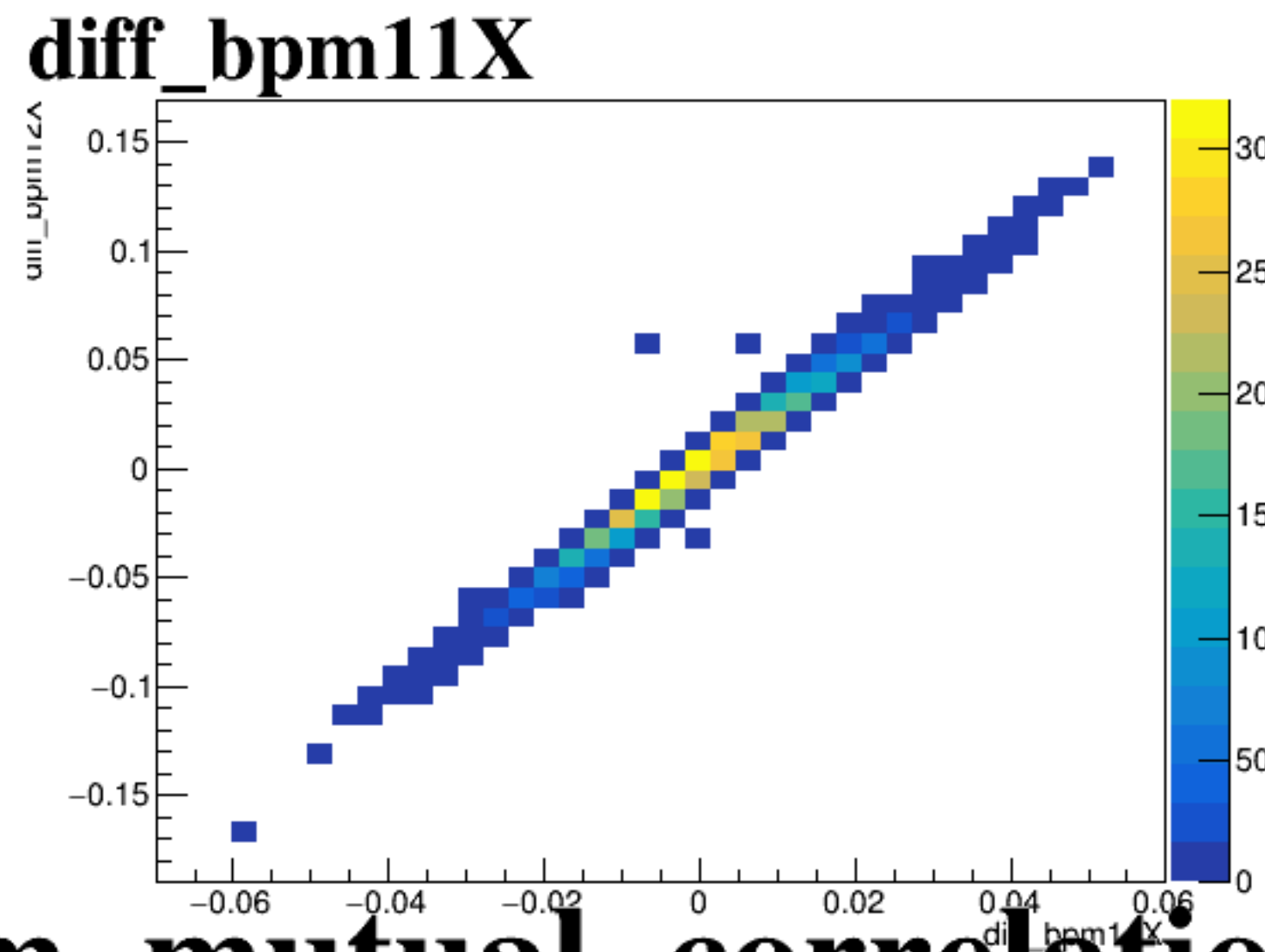
diff_bpm4eX



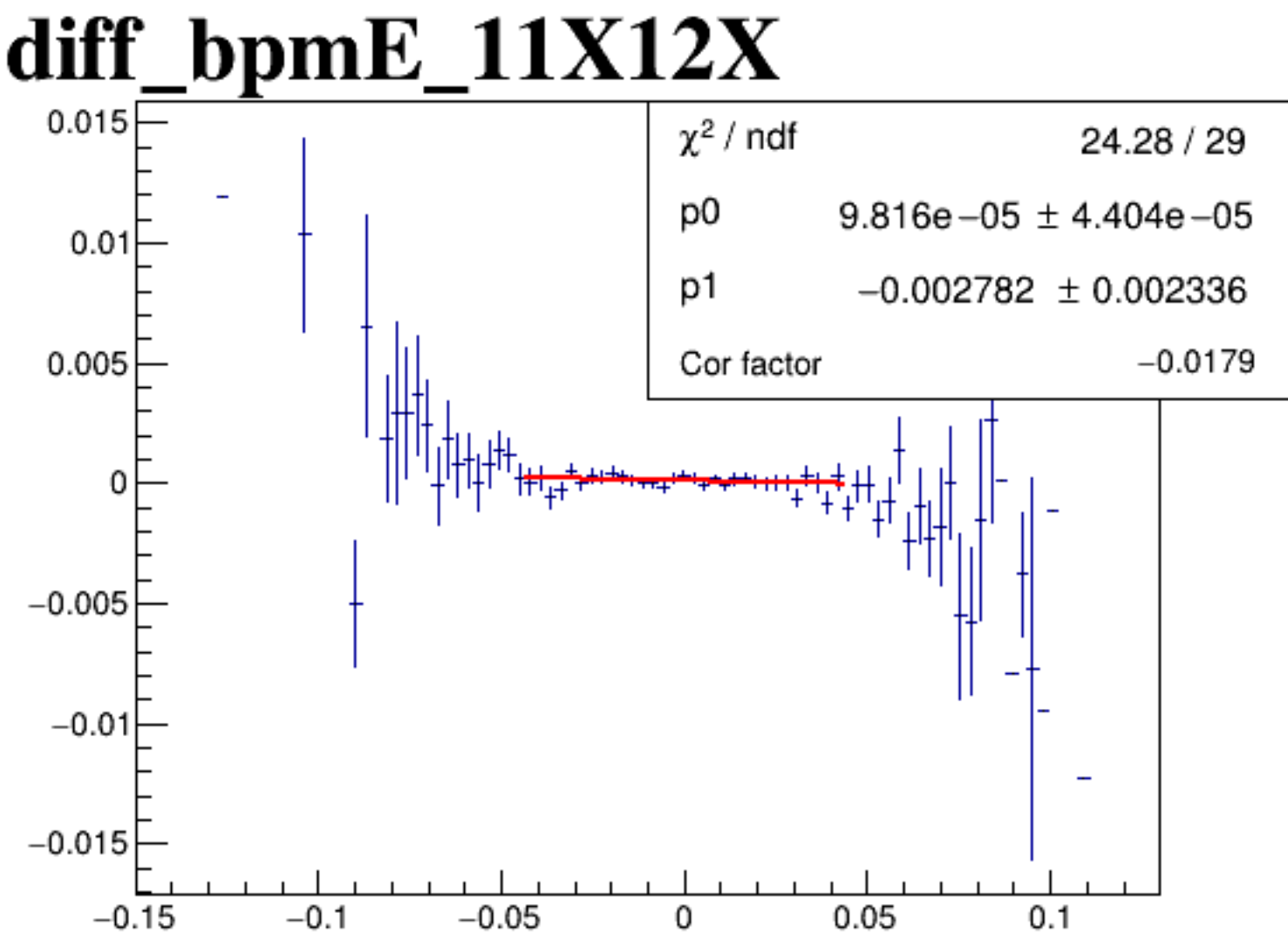
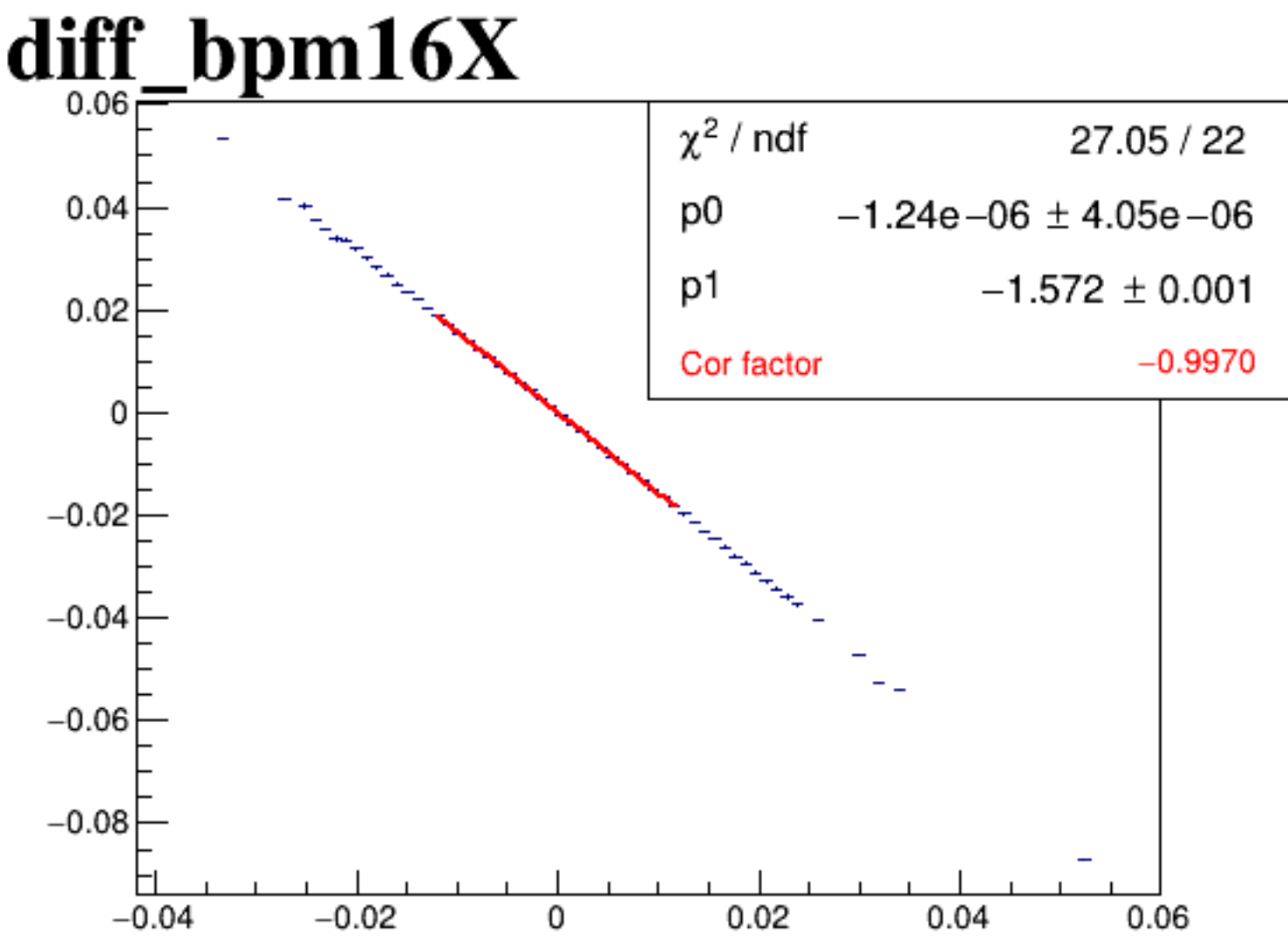
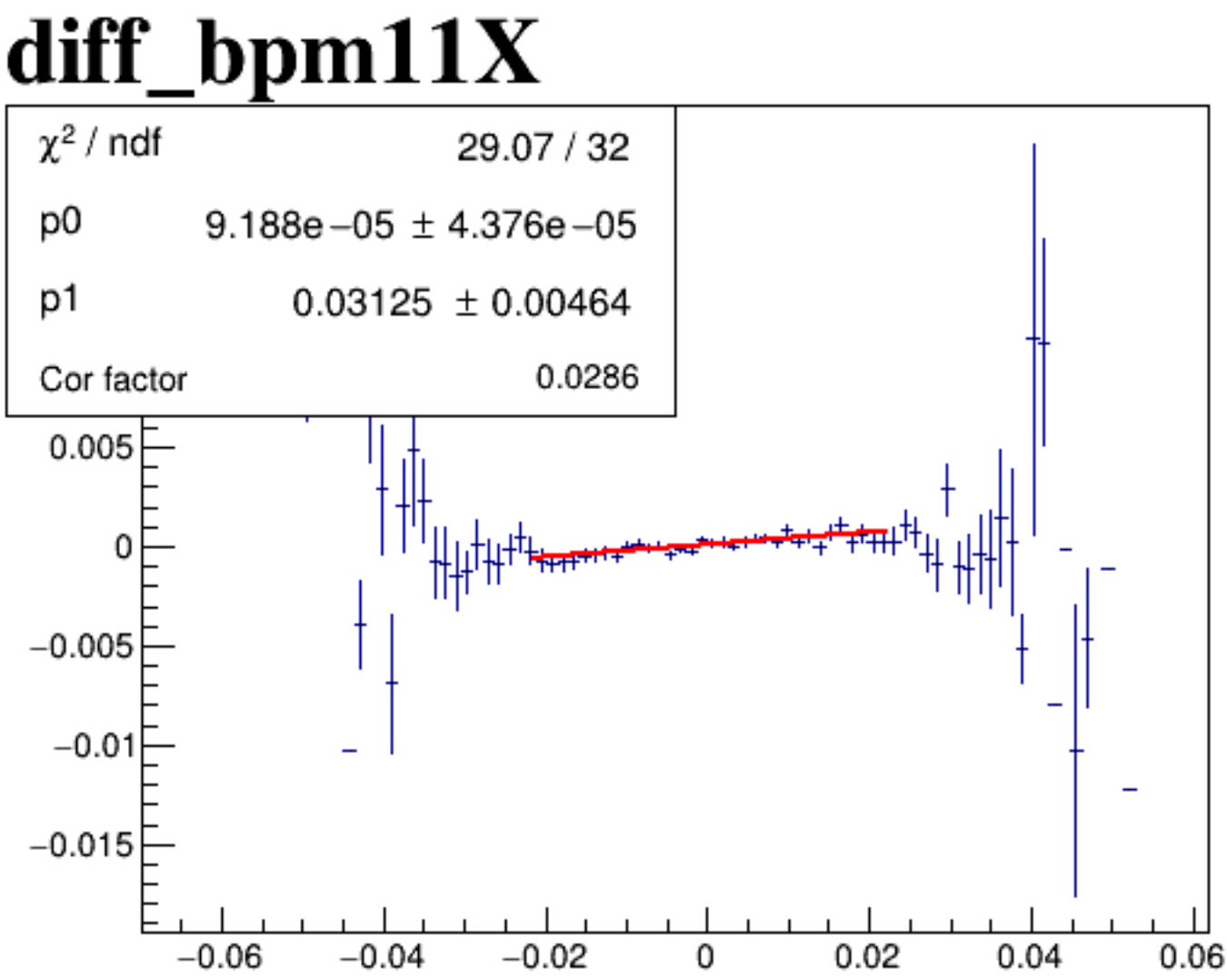
diff_bpm4eY



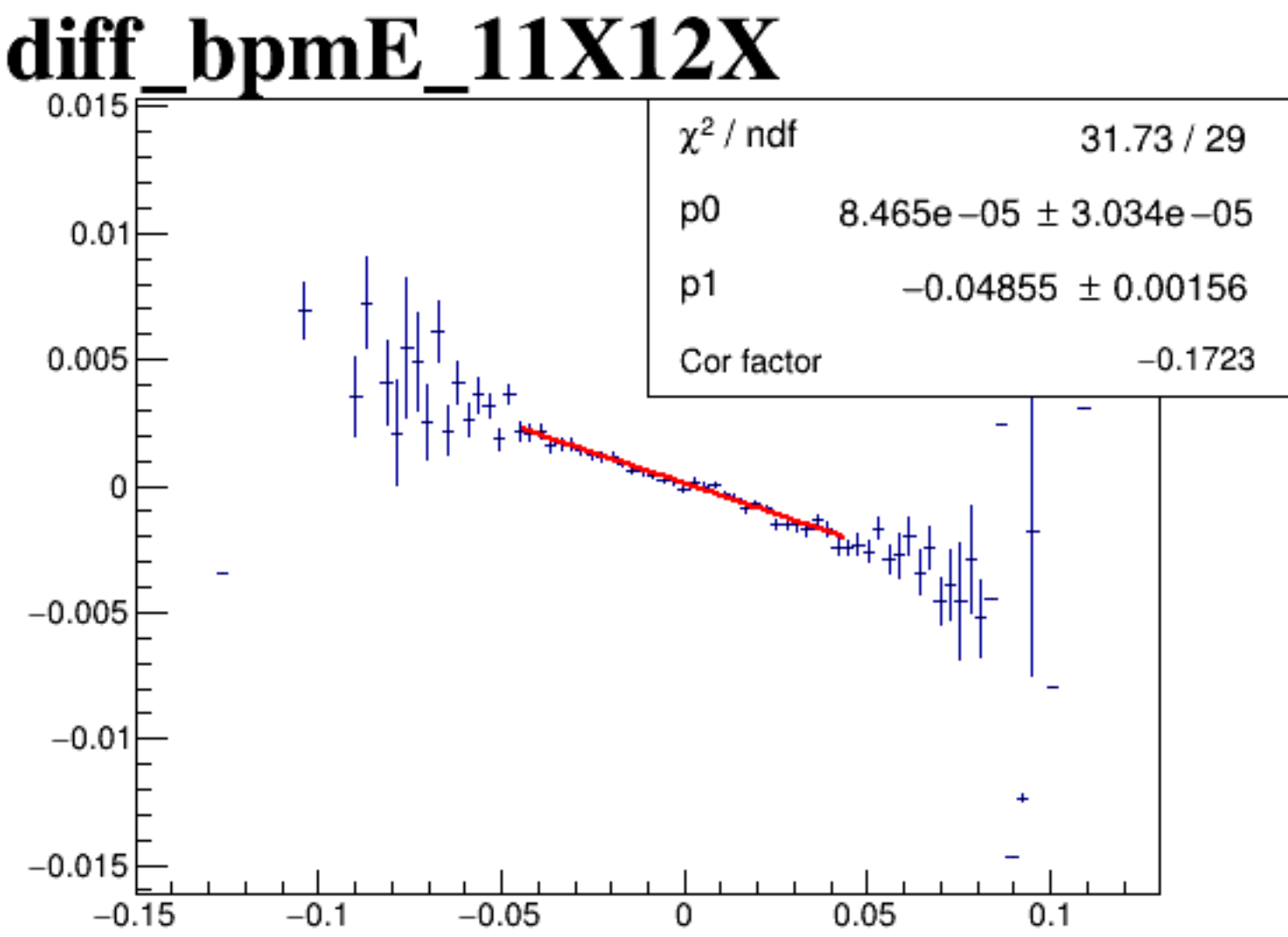
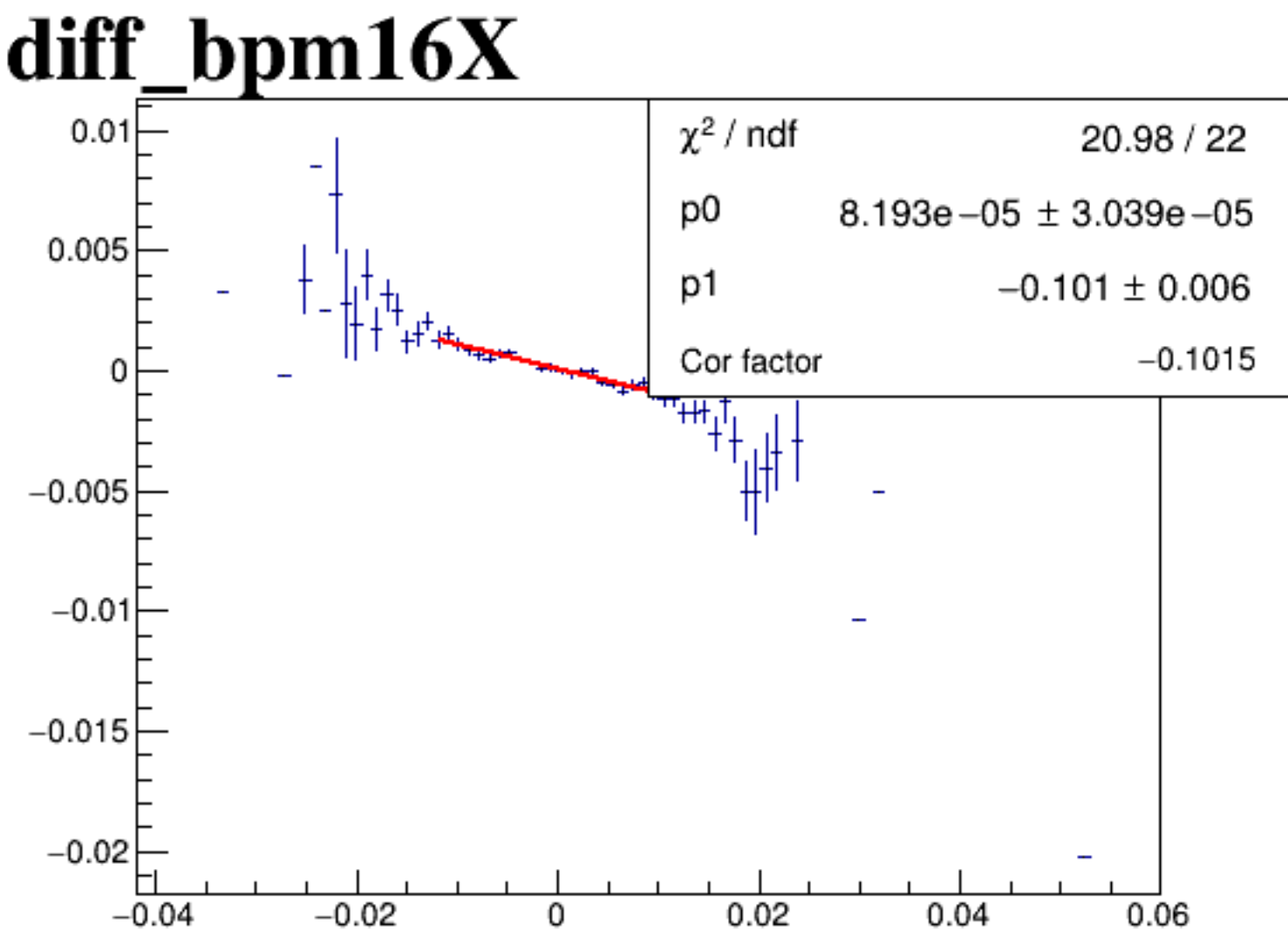
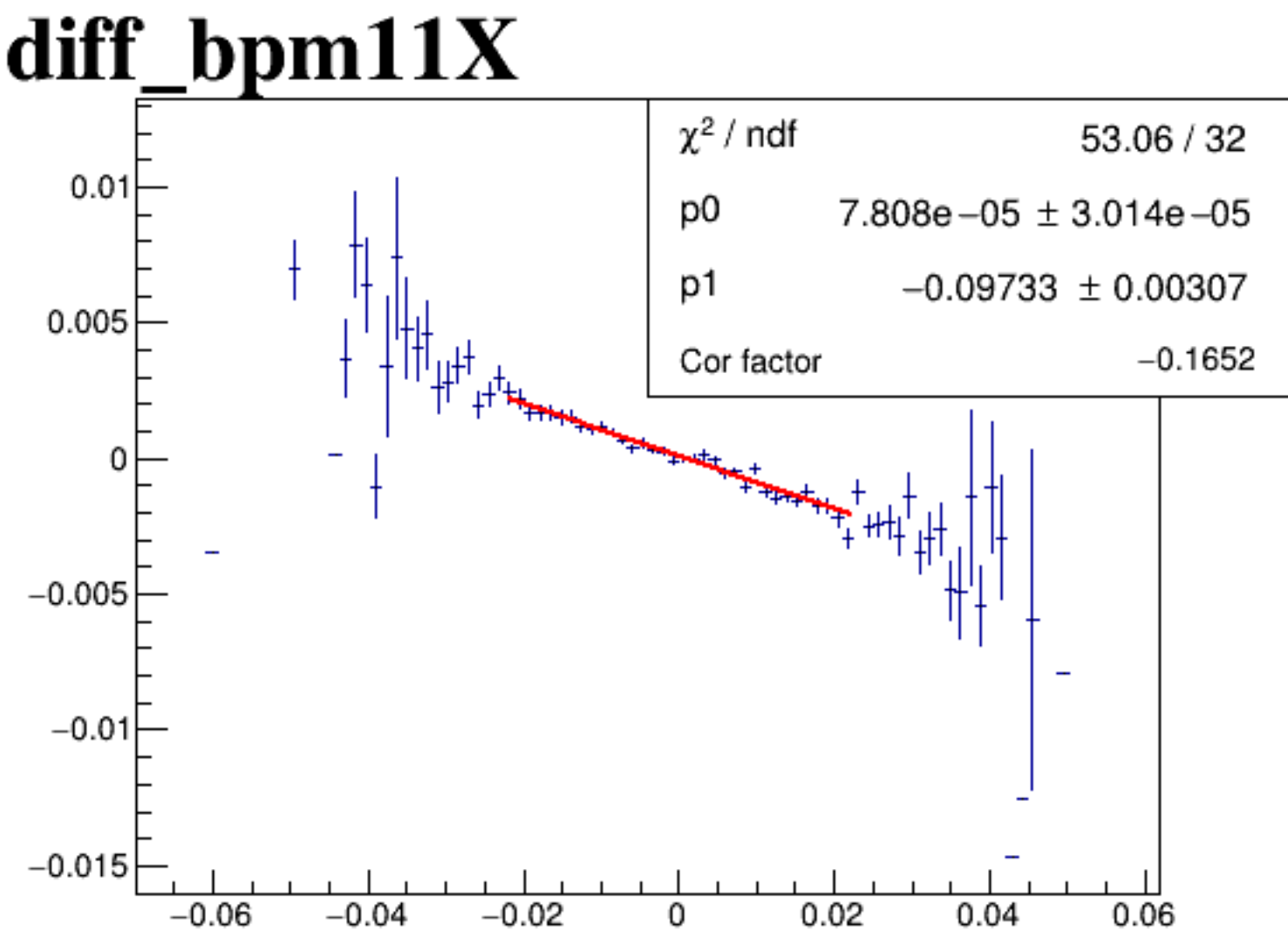
diff_bpm12X



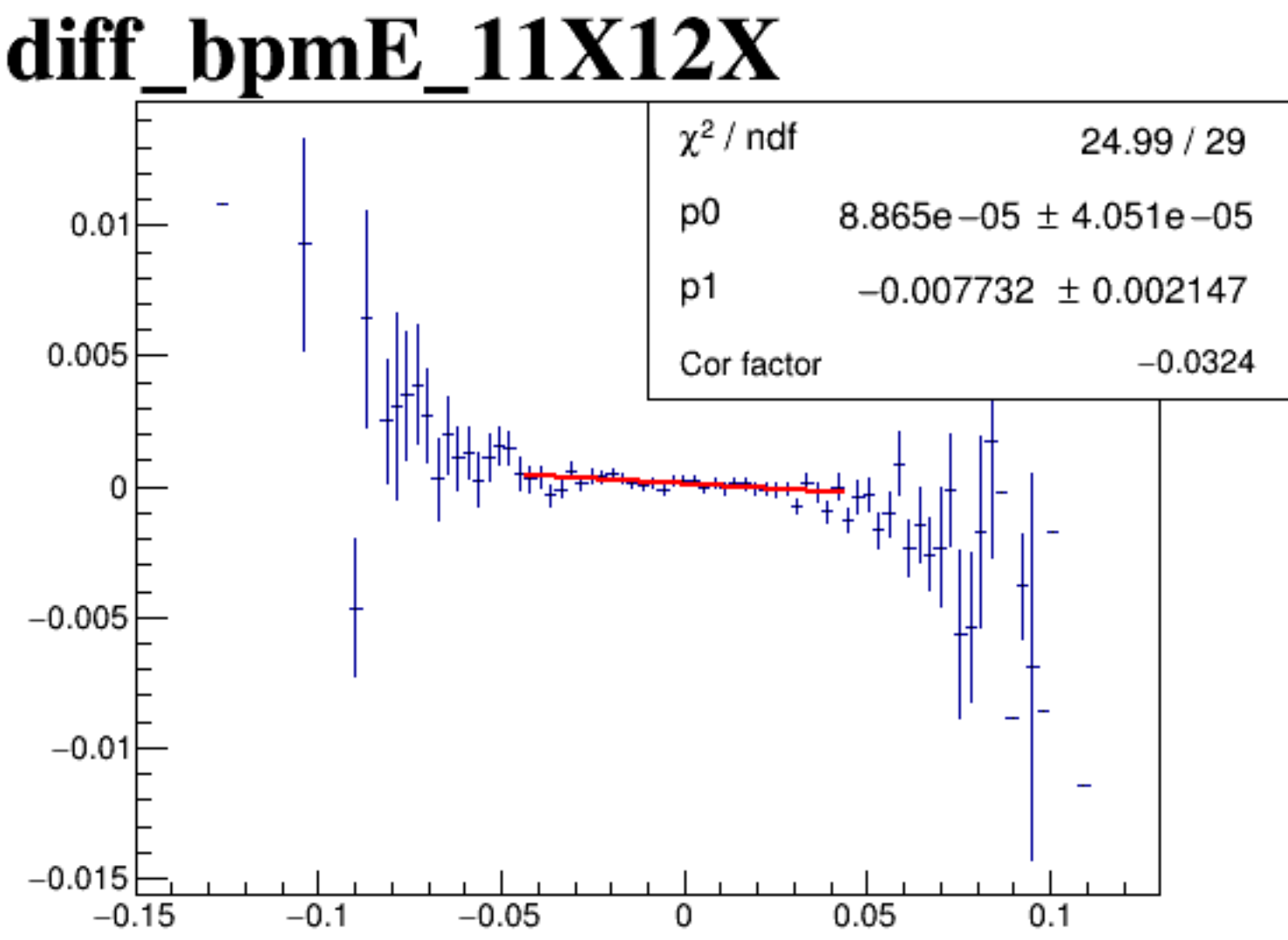
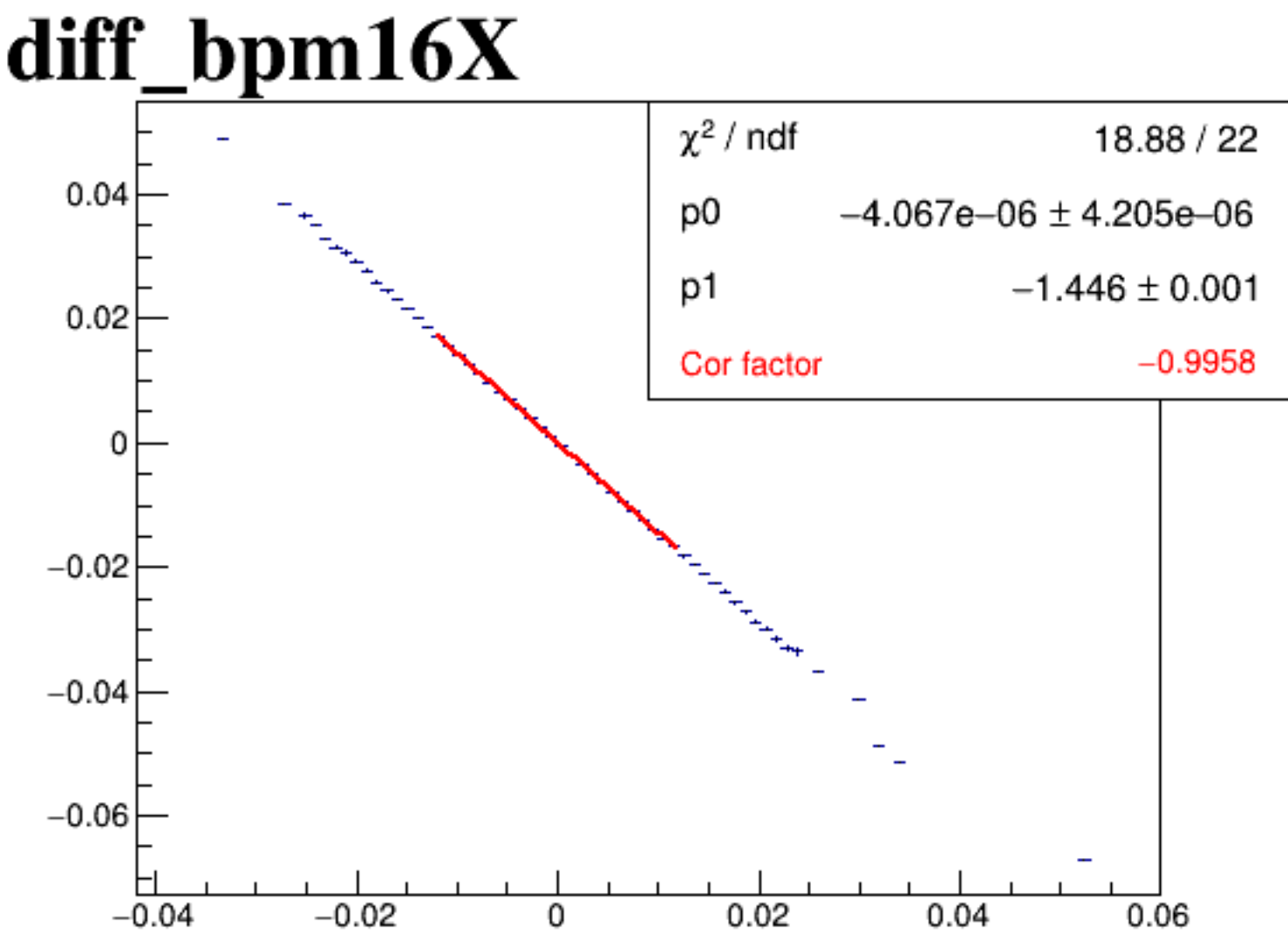
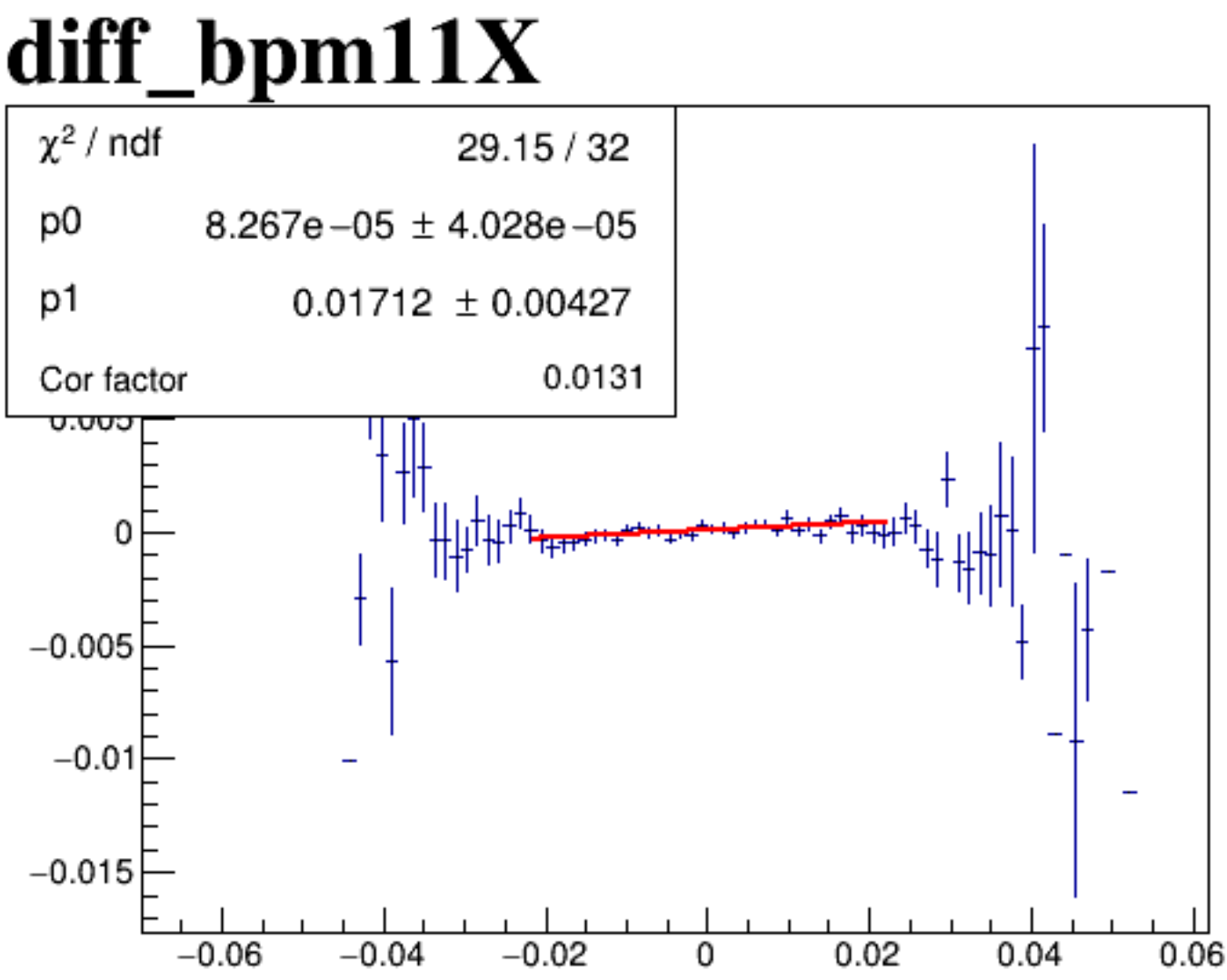
diff_bpm4aX



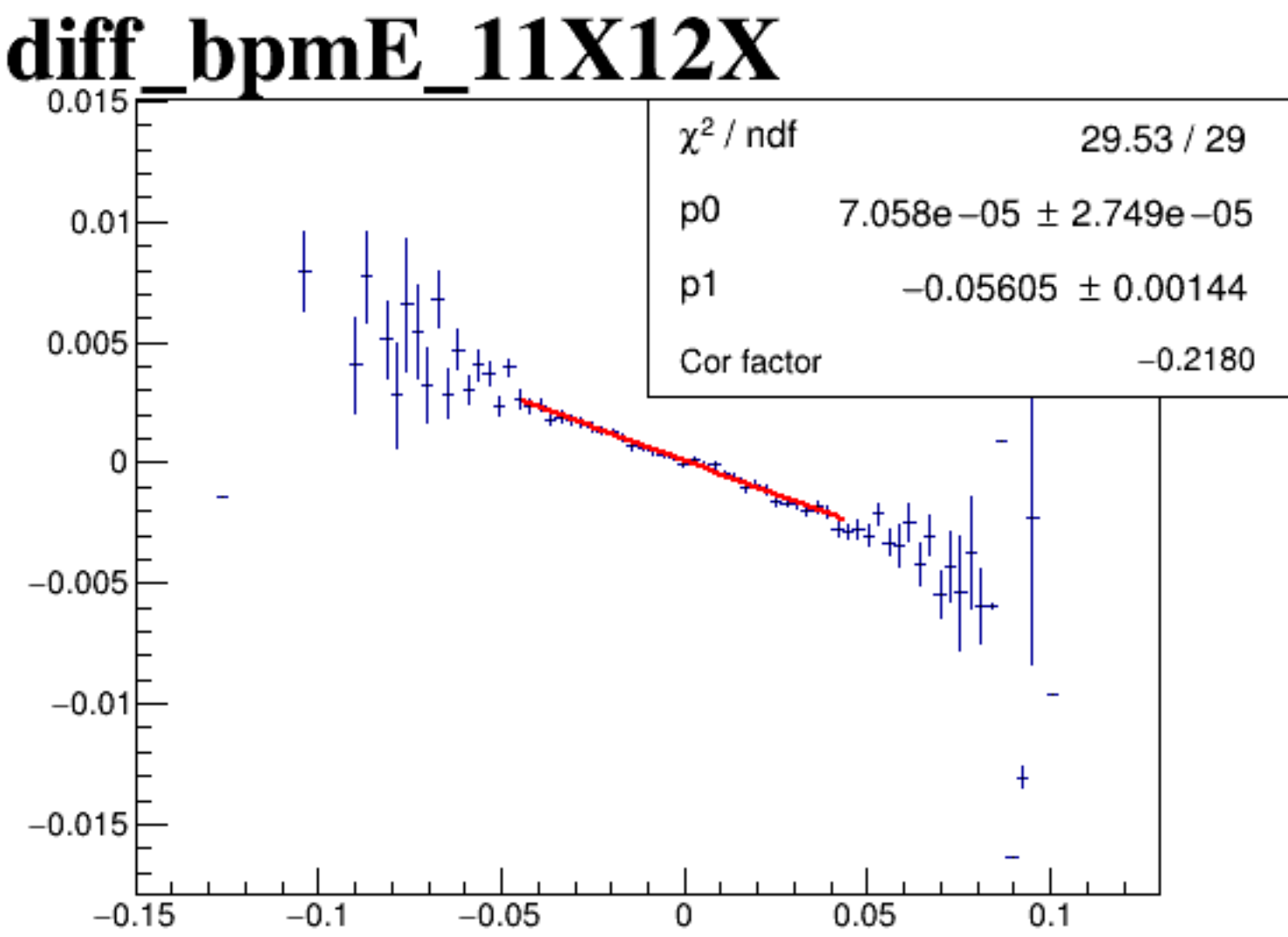
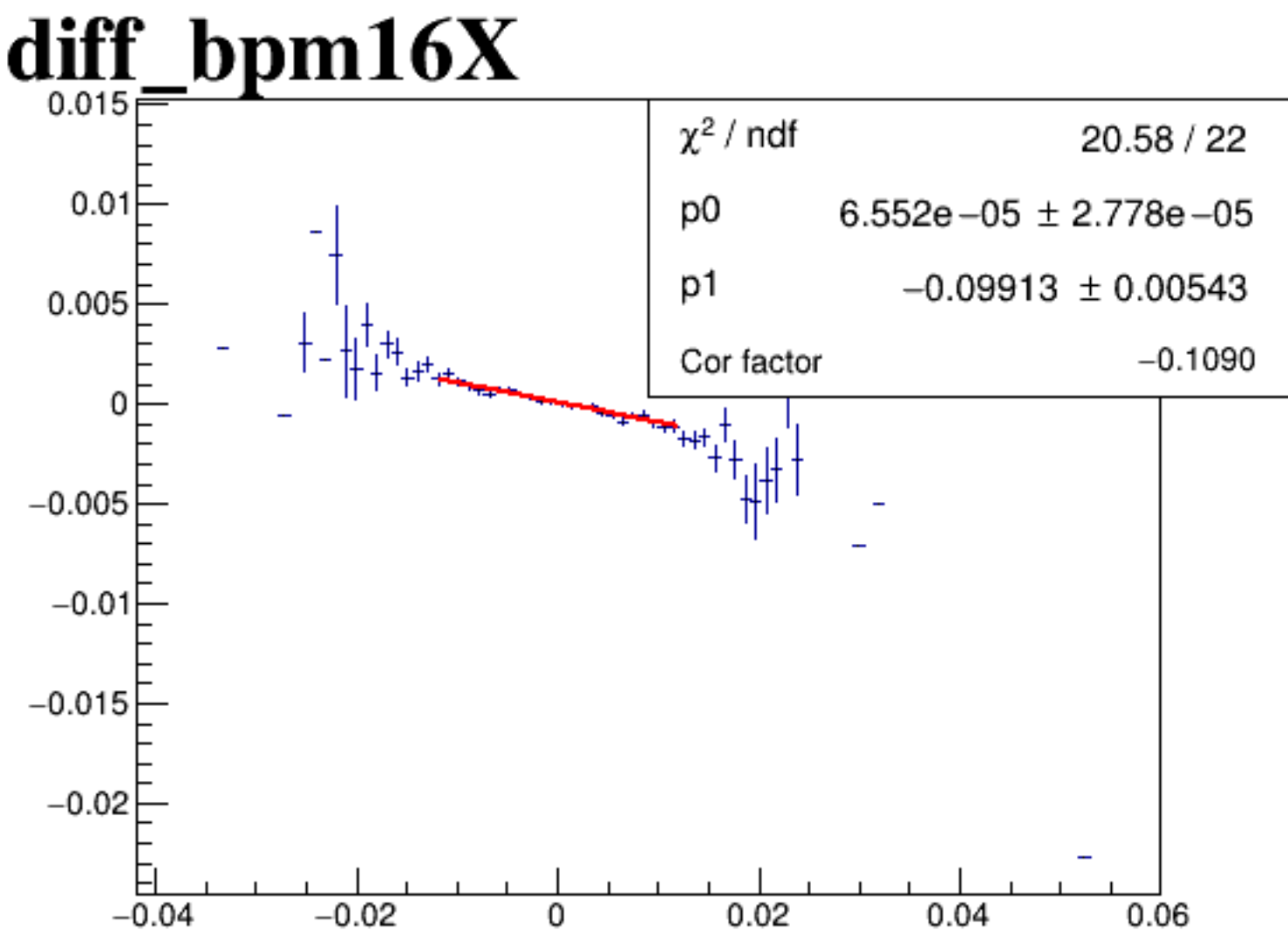
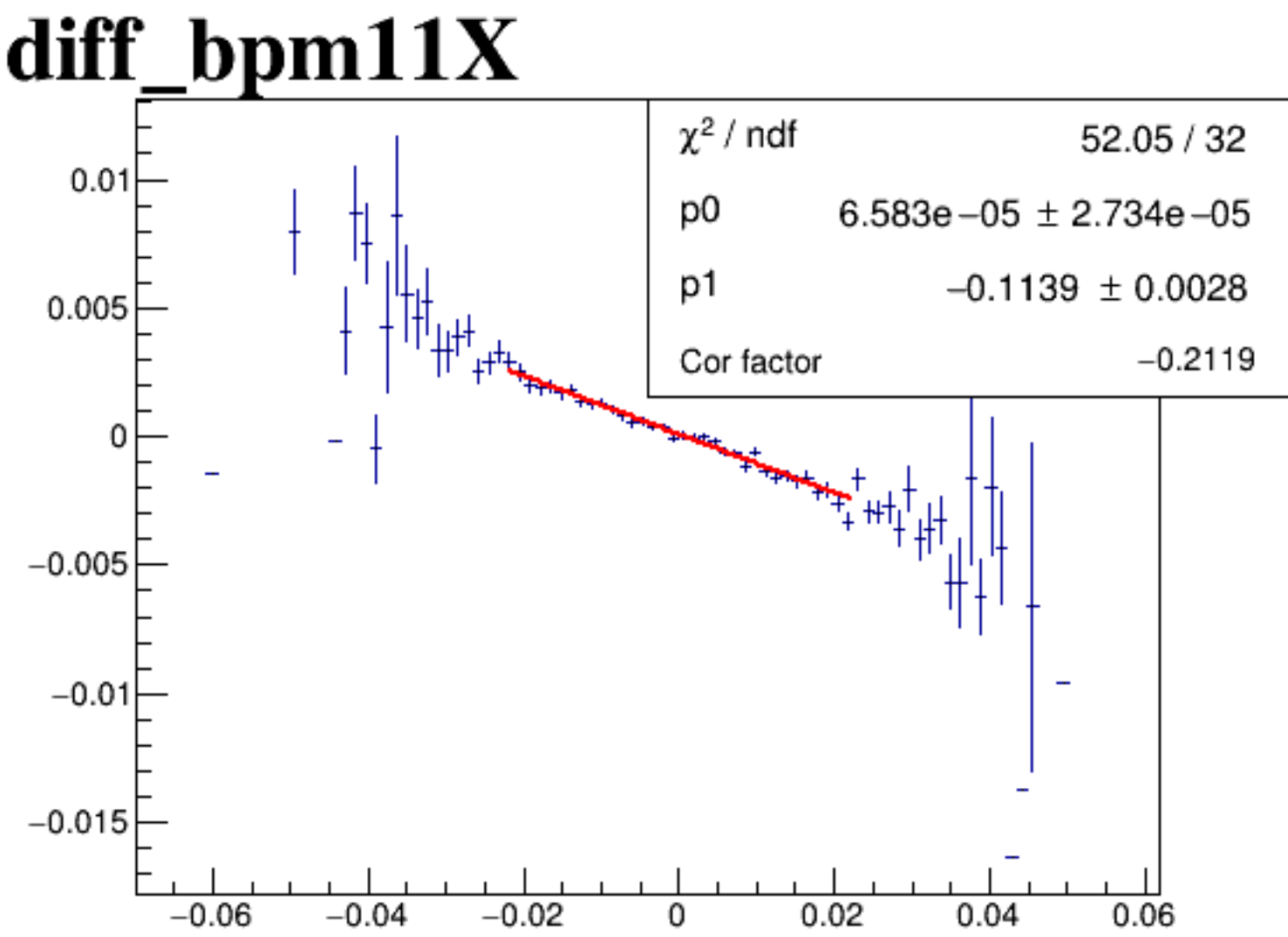
diff_bpm4aY



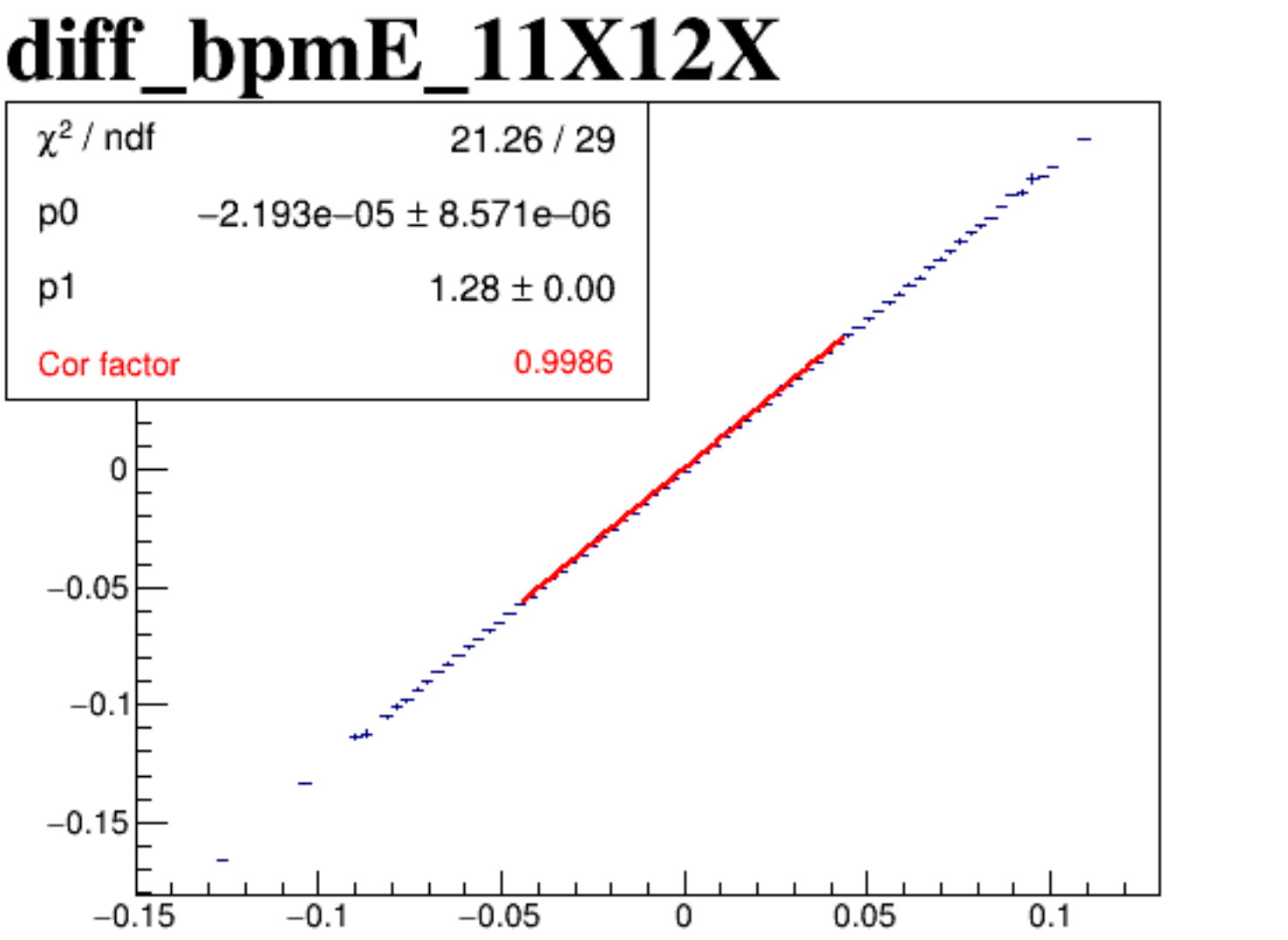
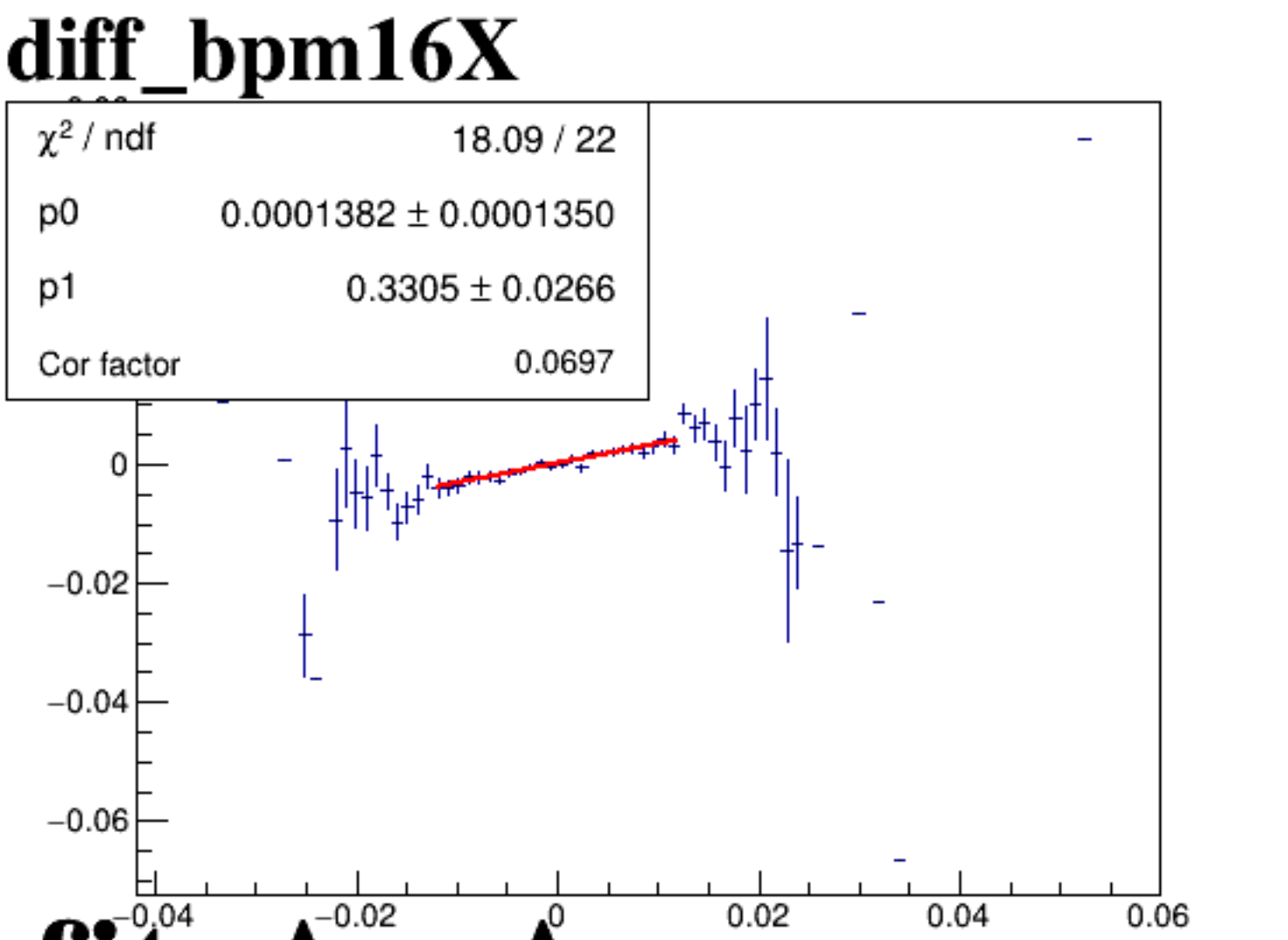
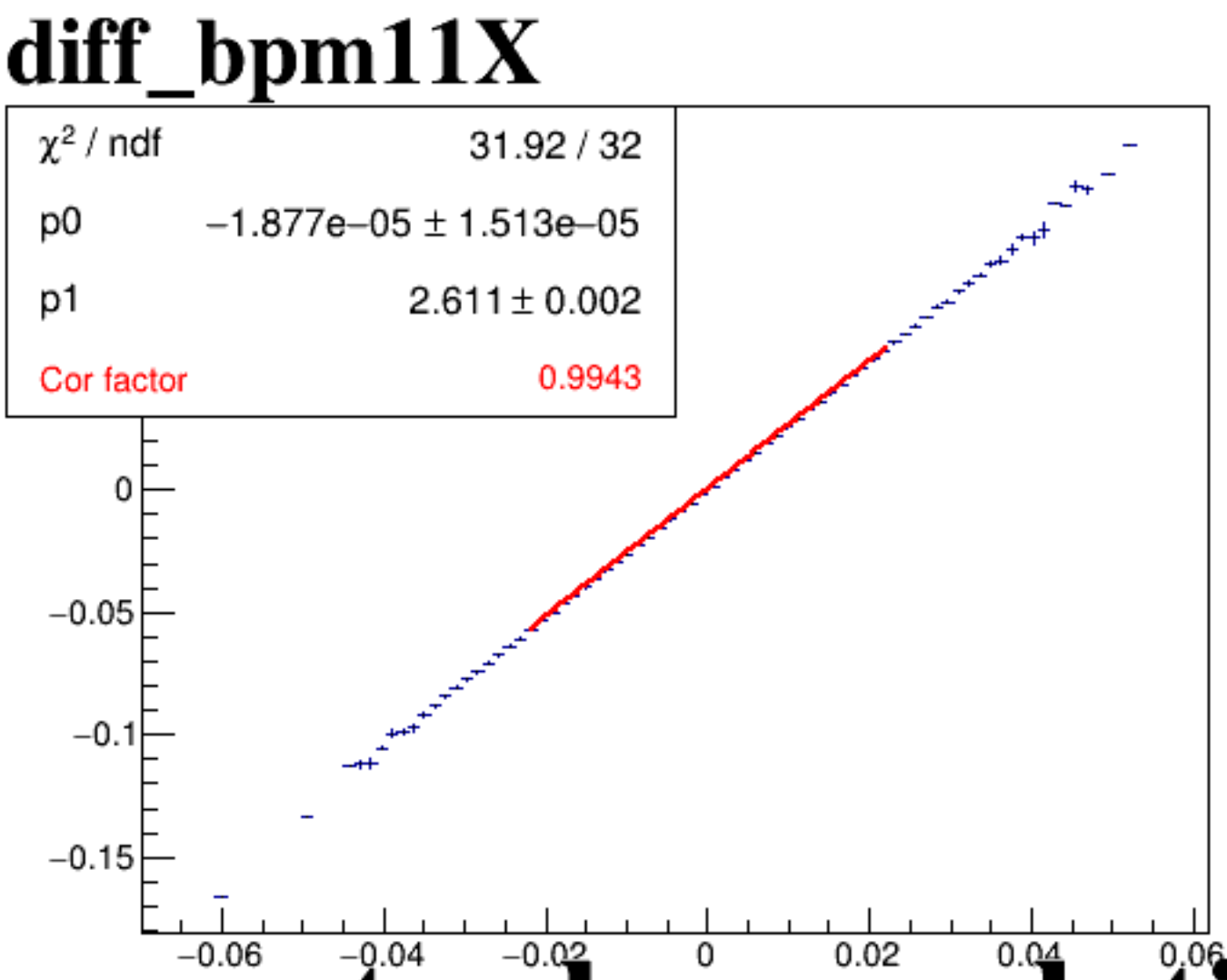
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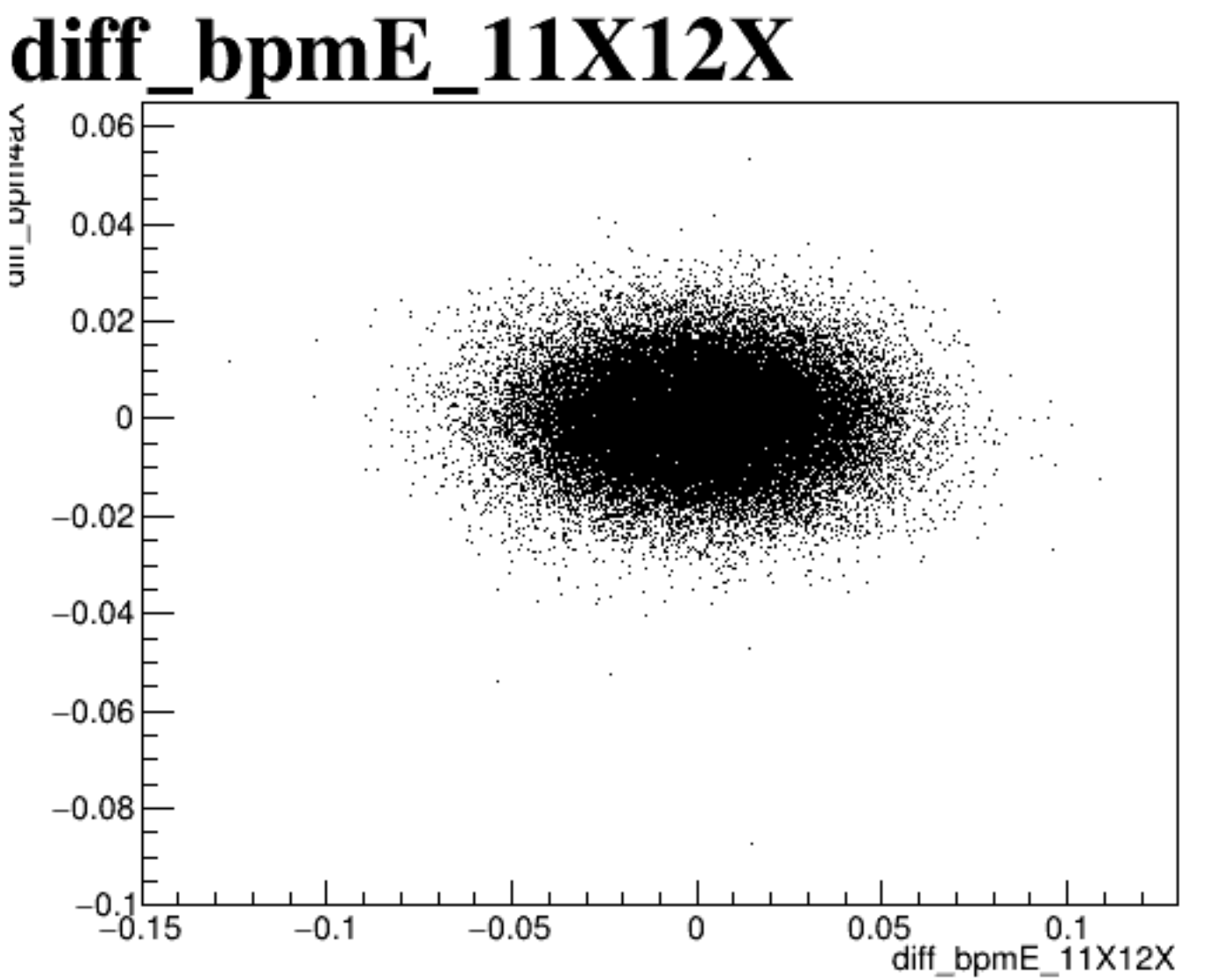
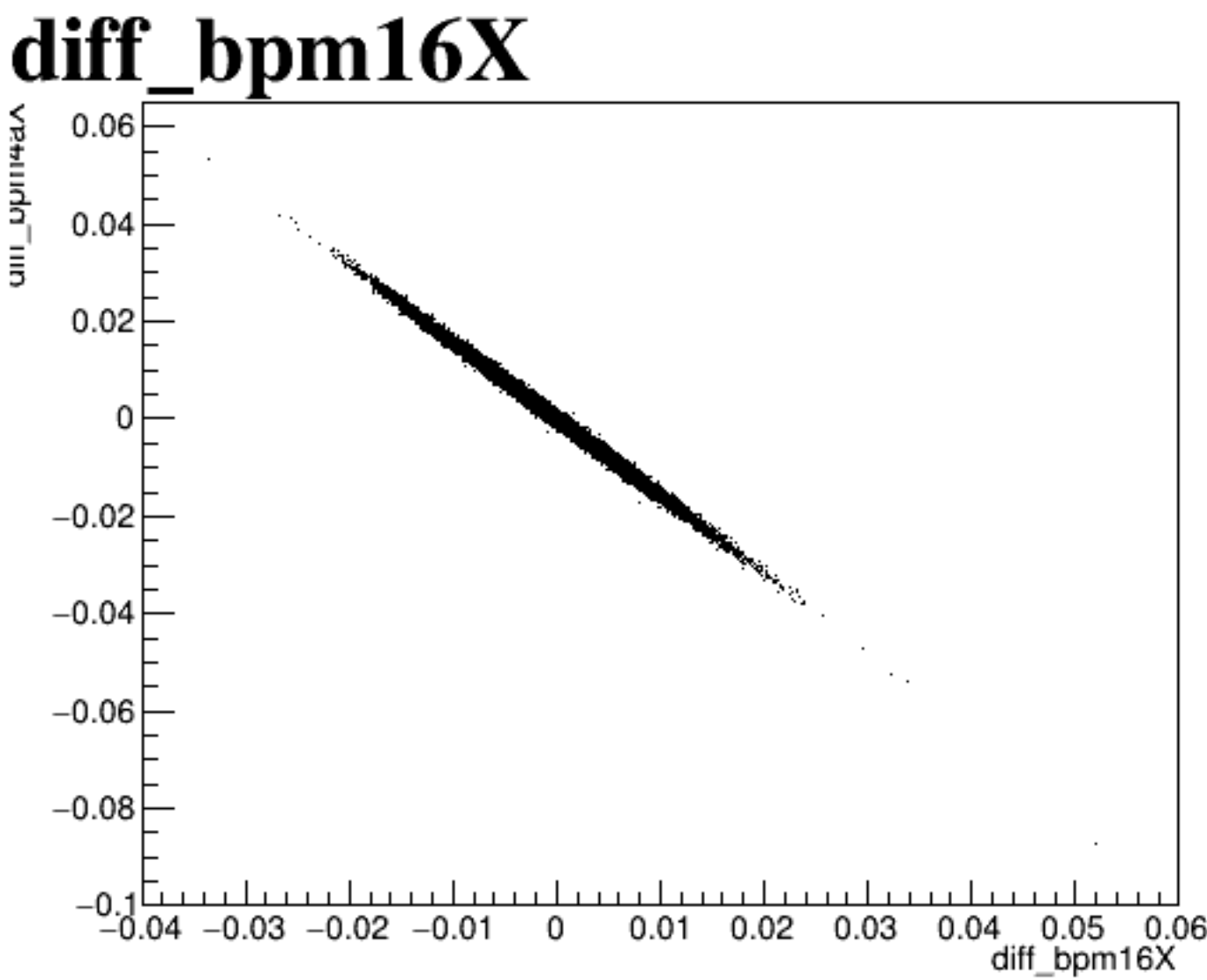
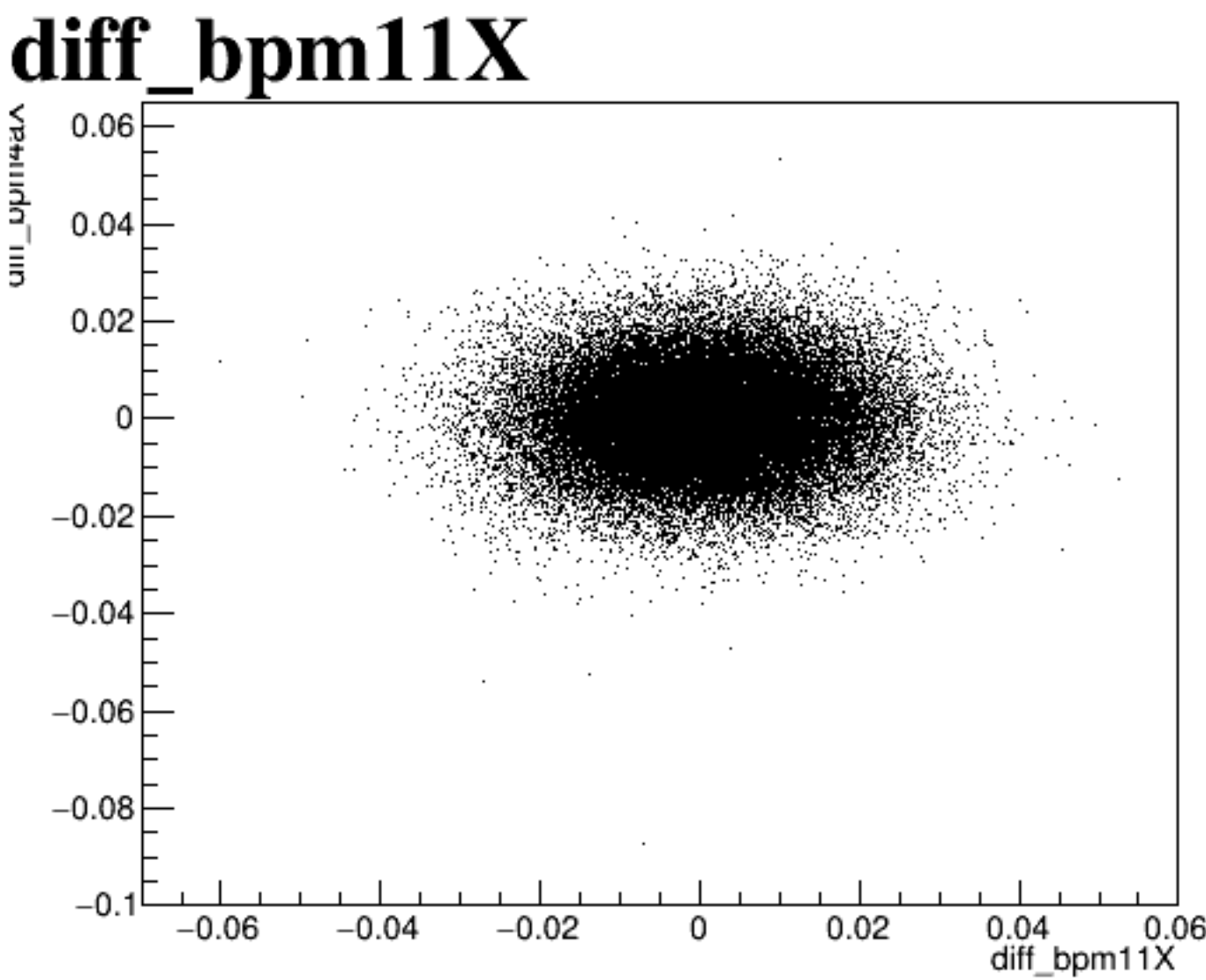
diff_bpm4eY



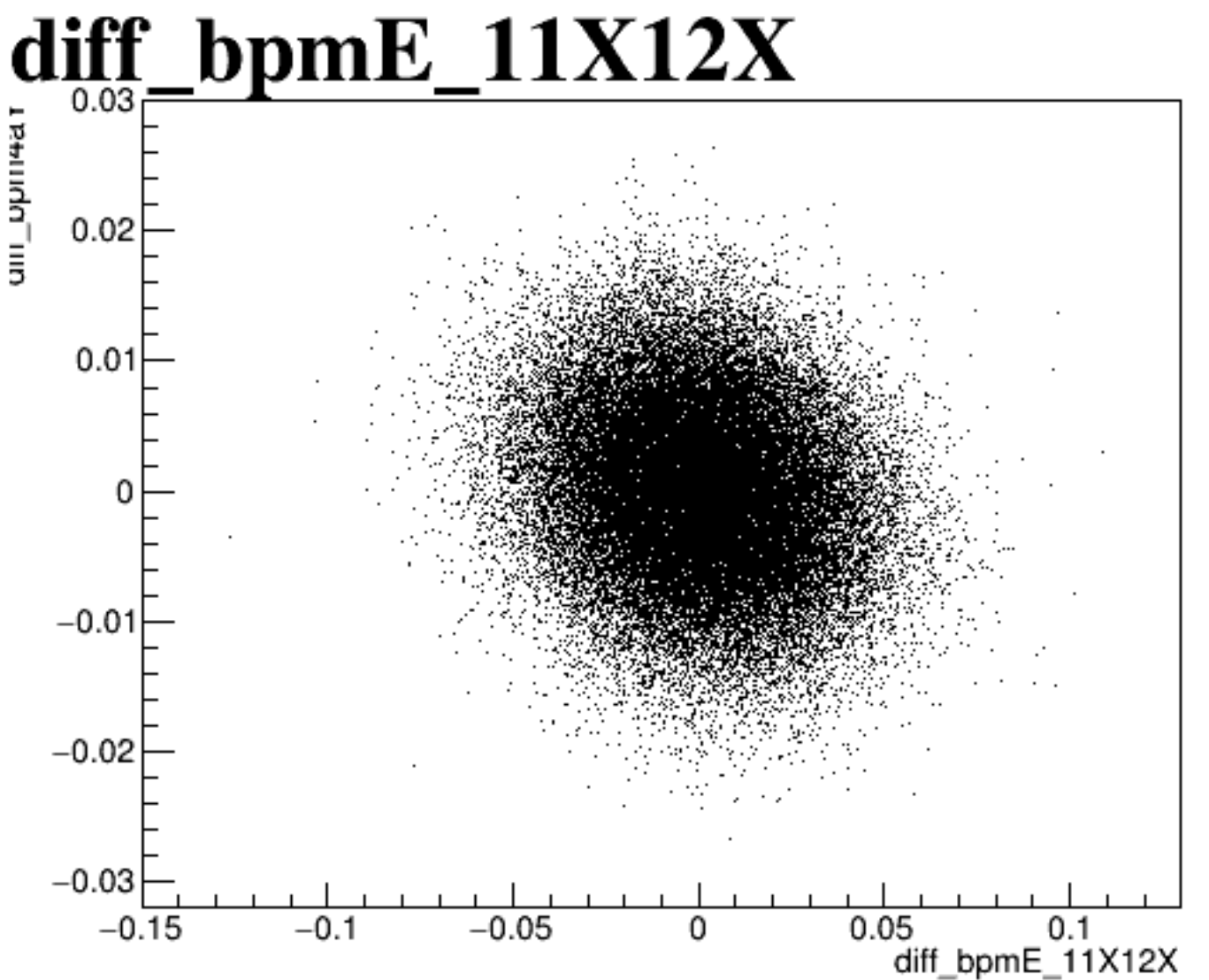
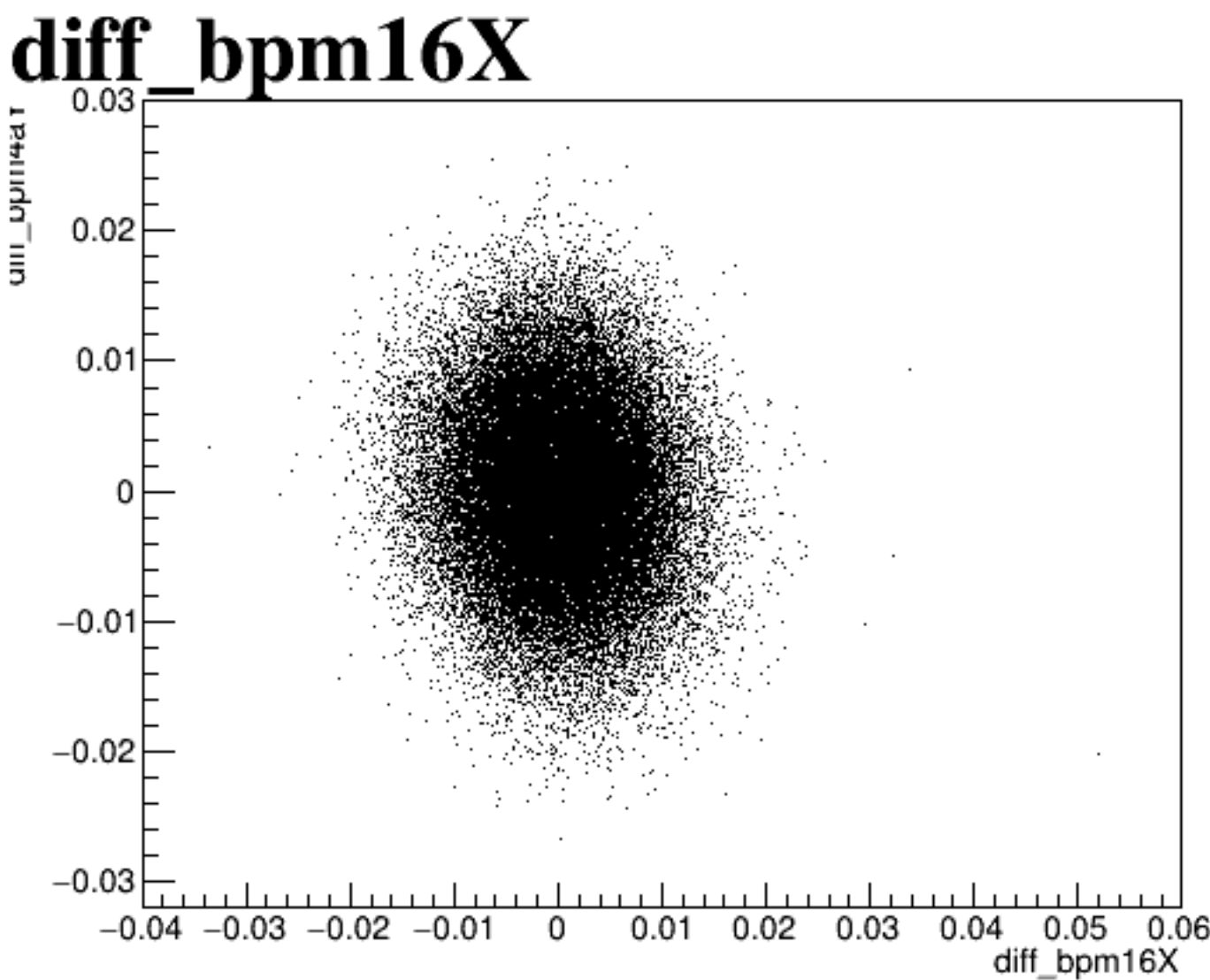
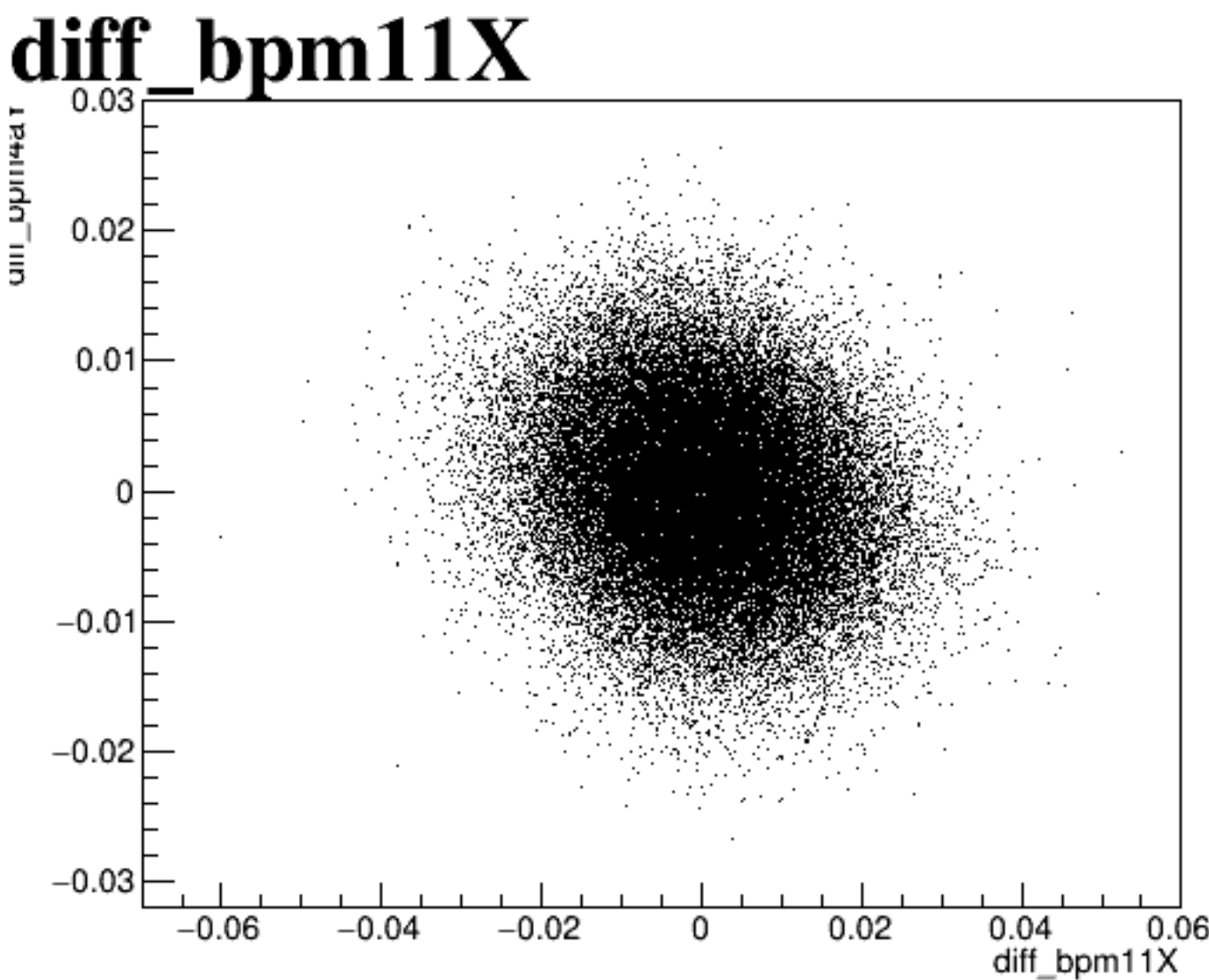
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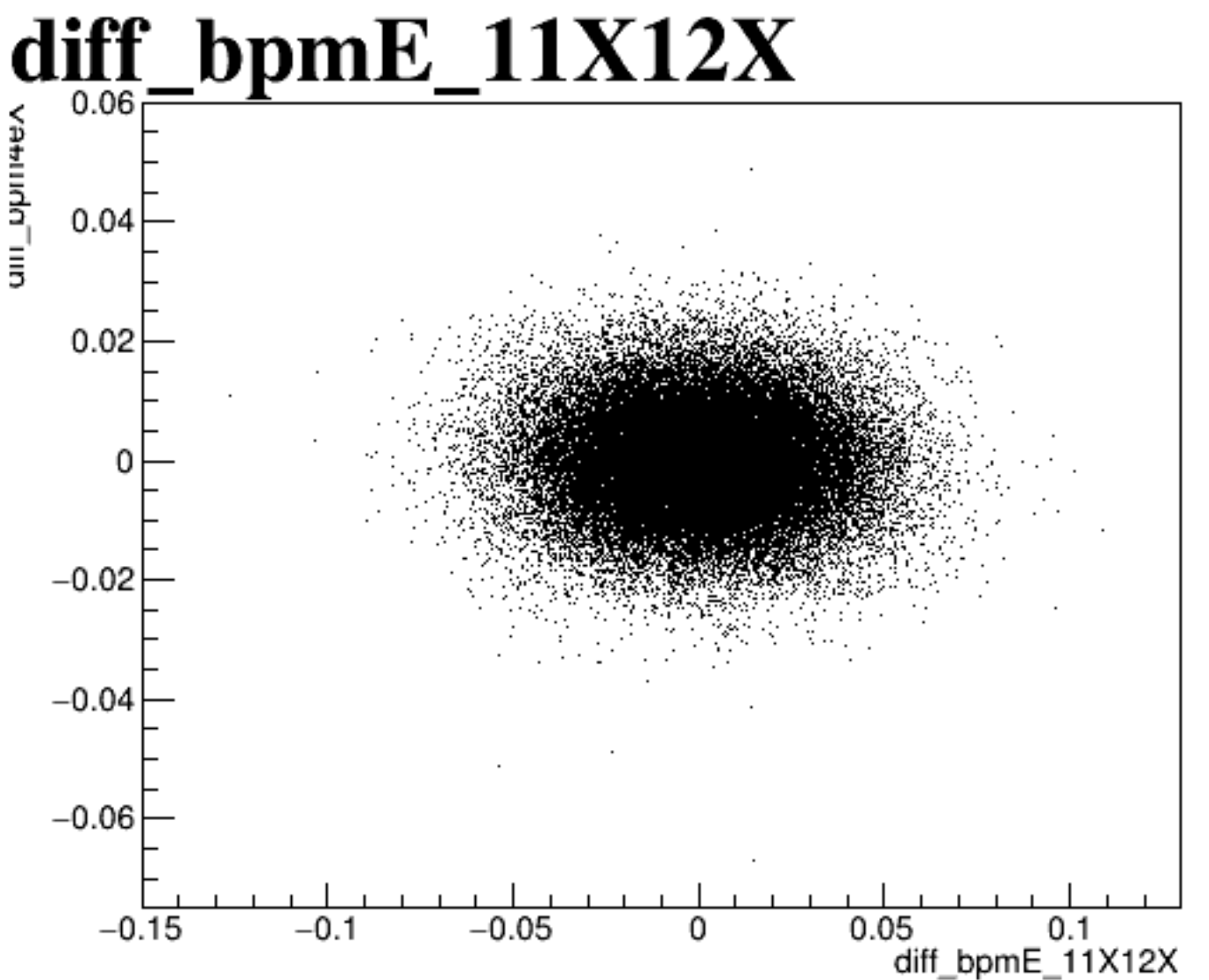
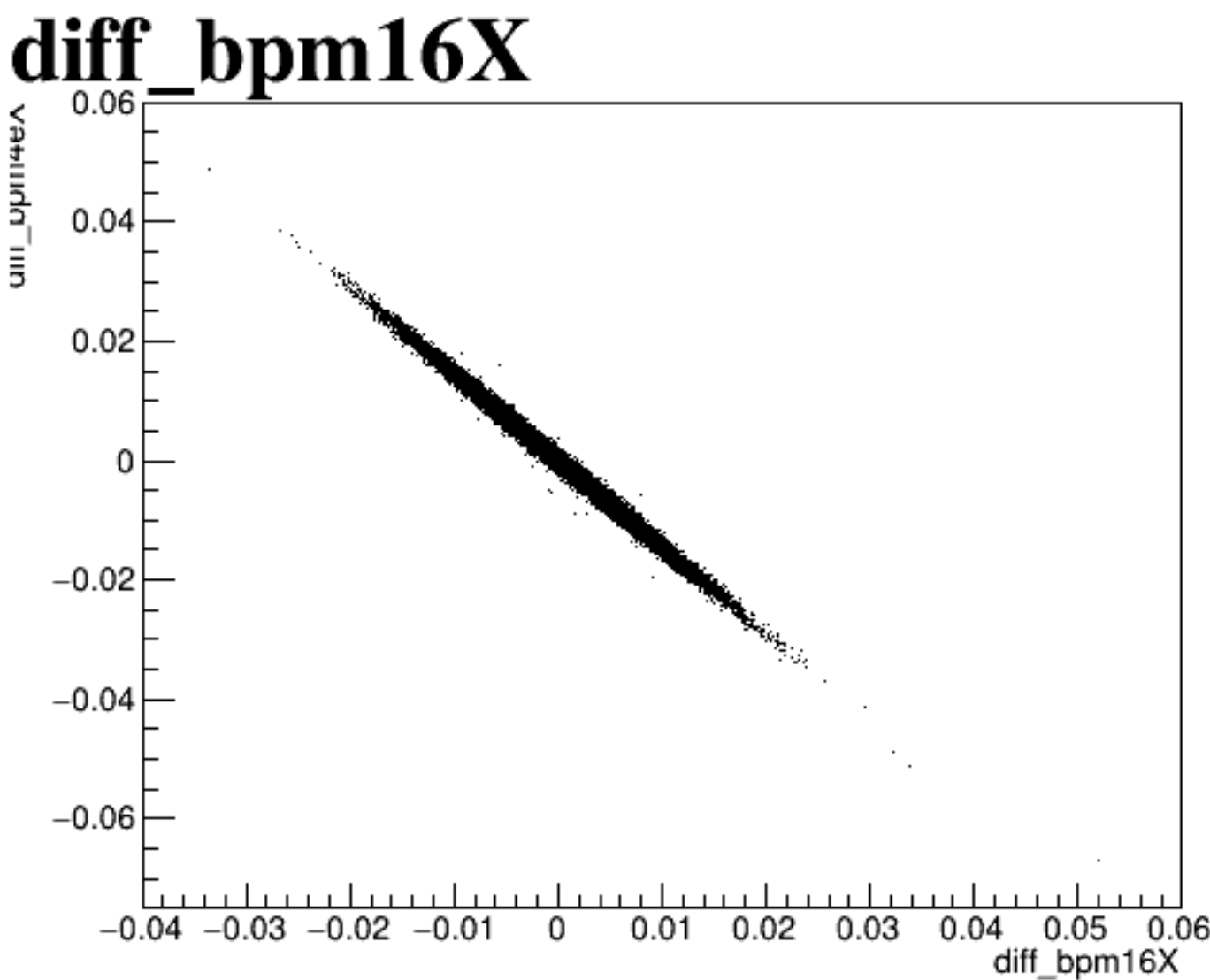
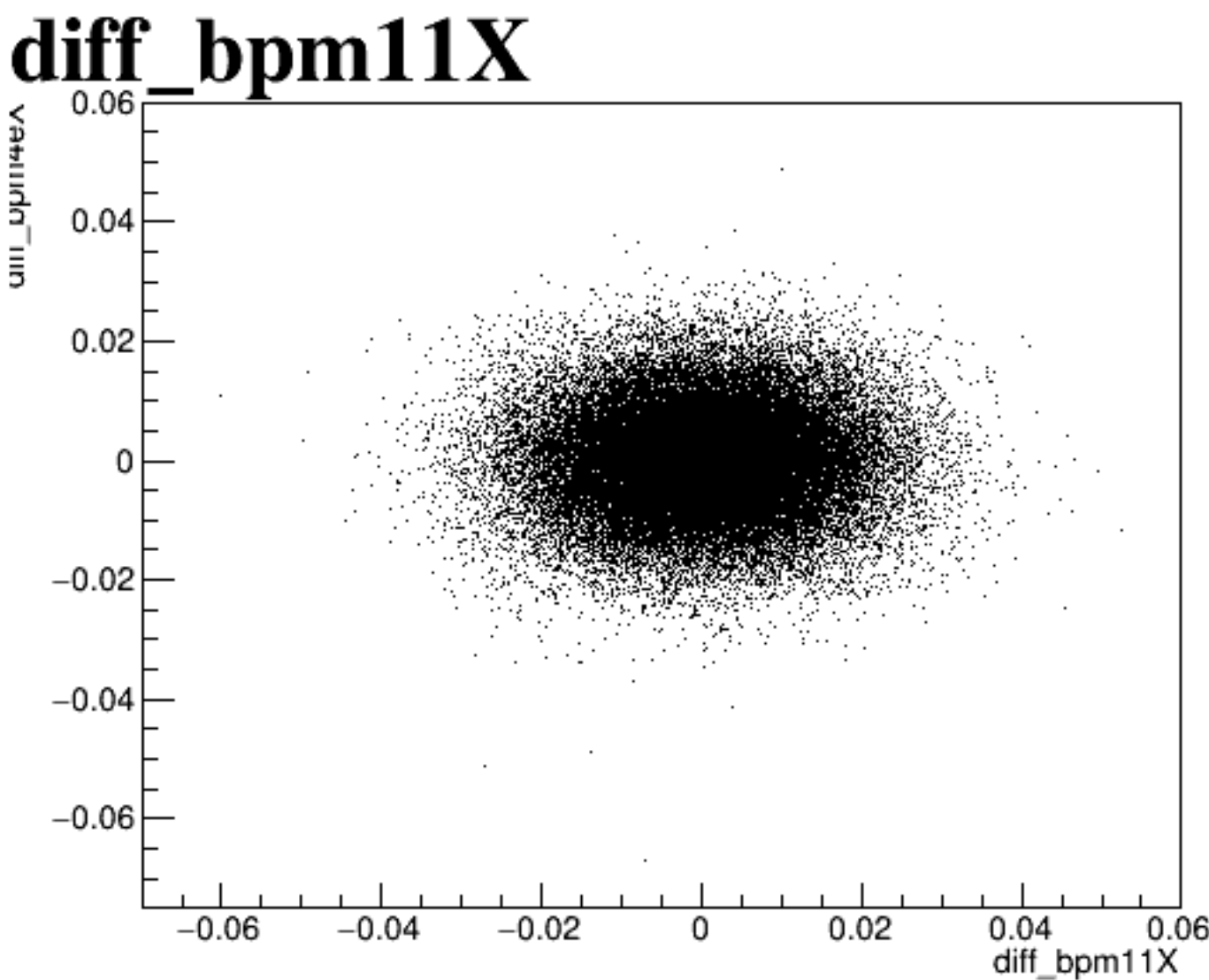
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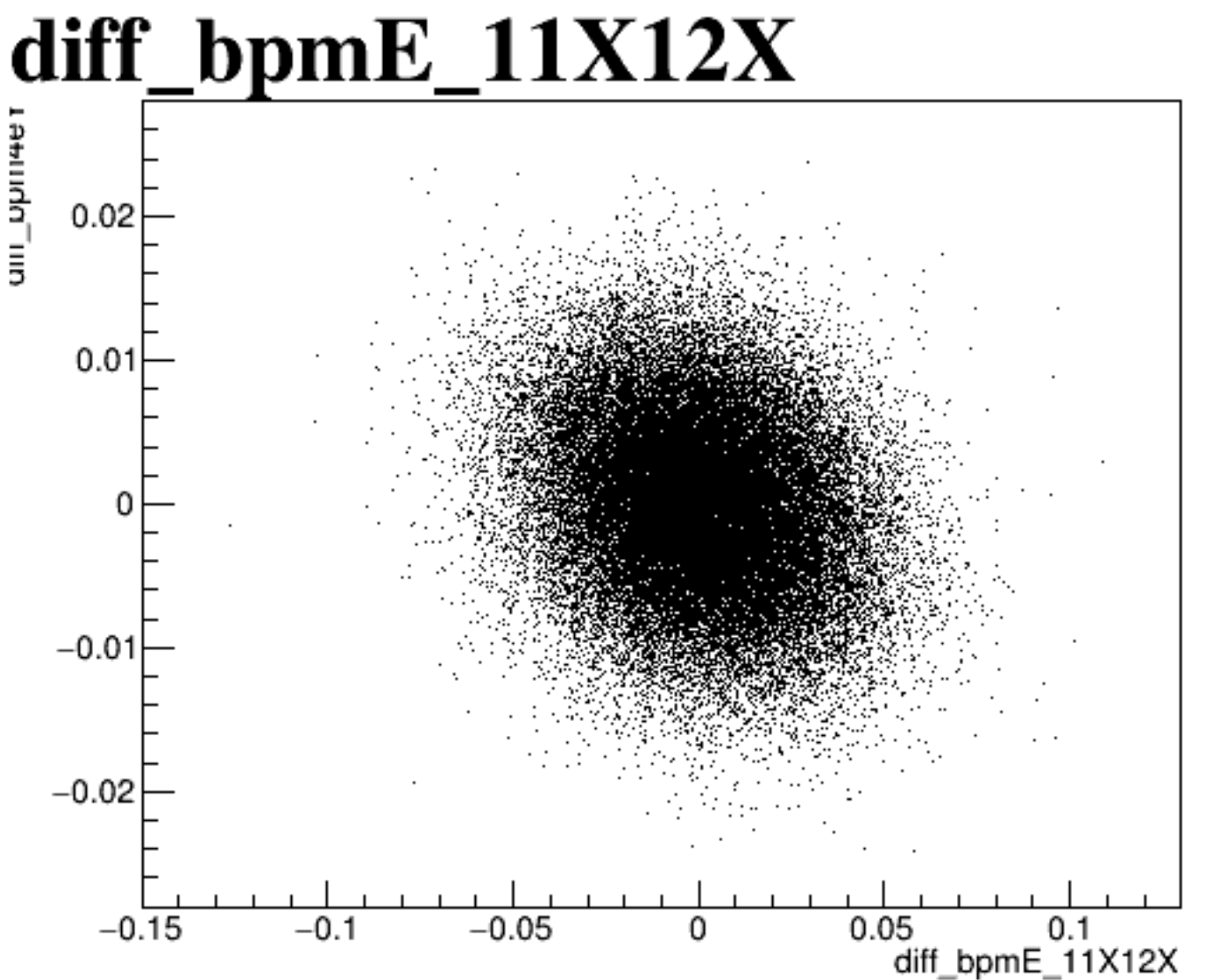
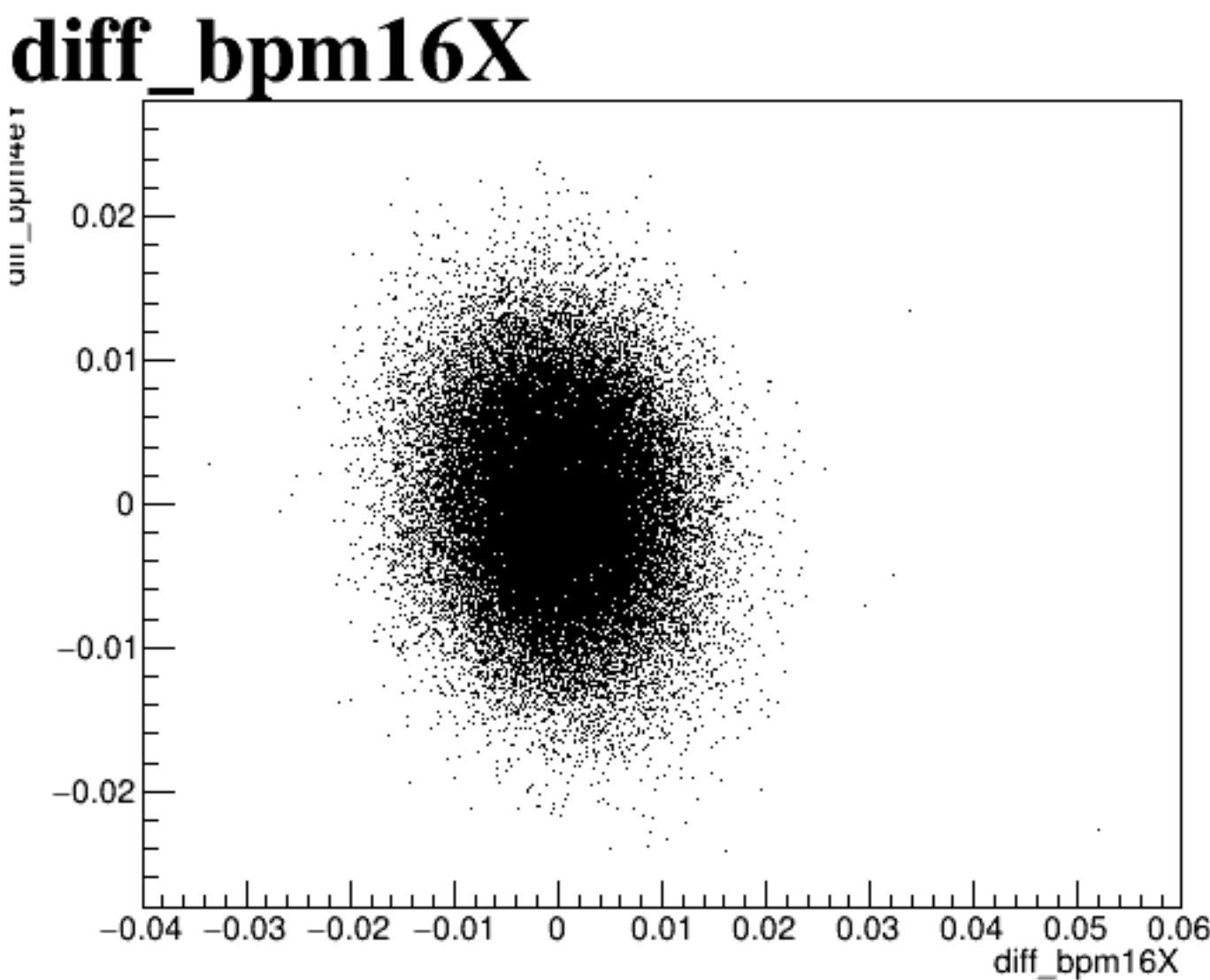
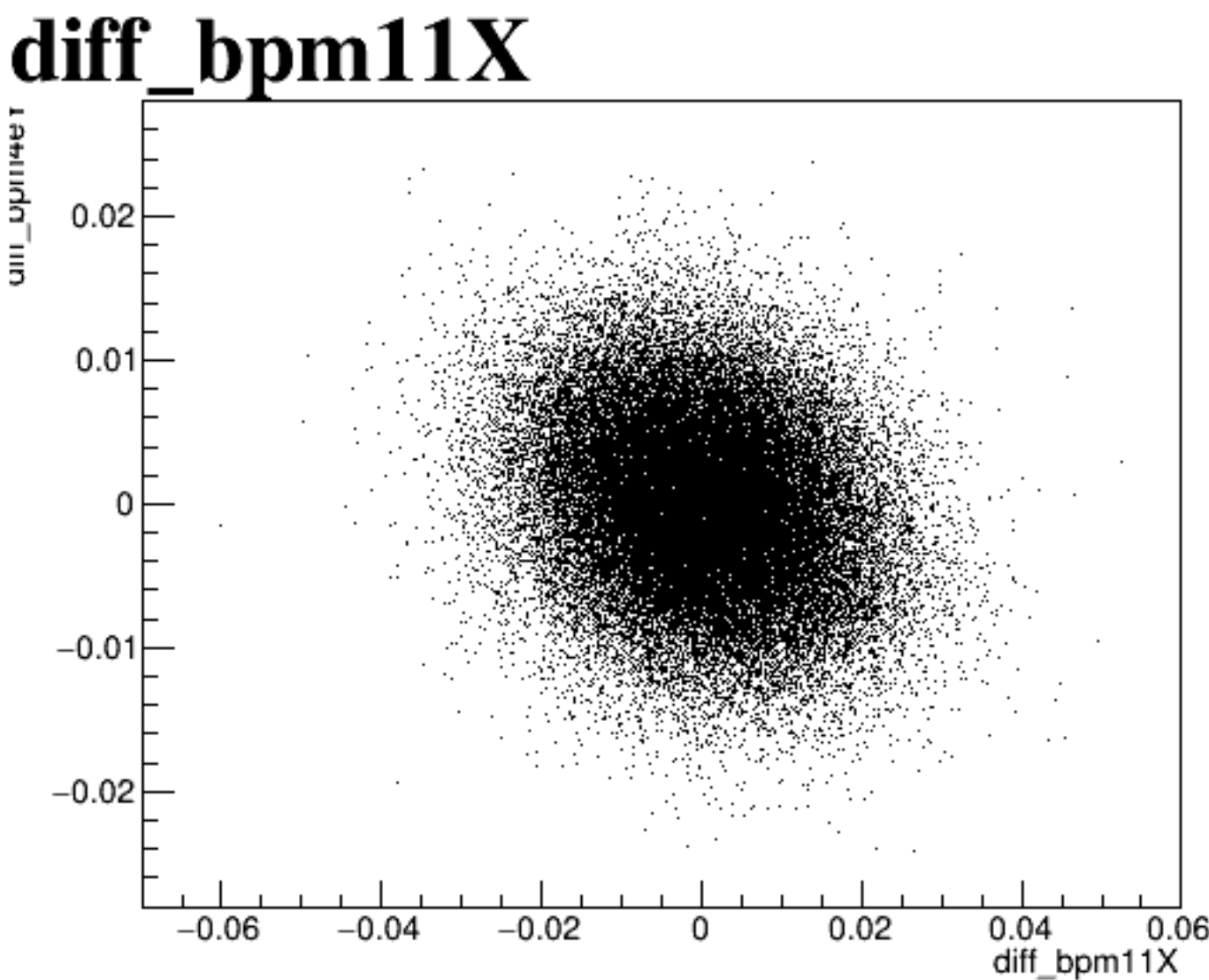
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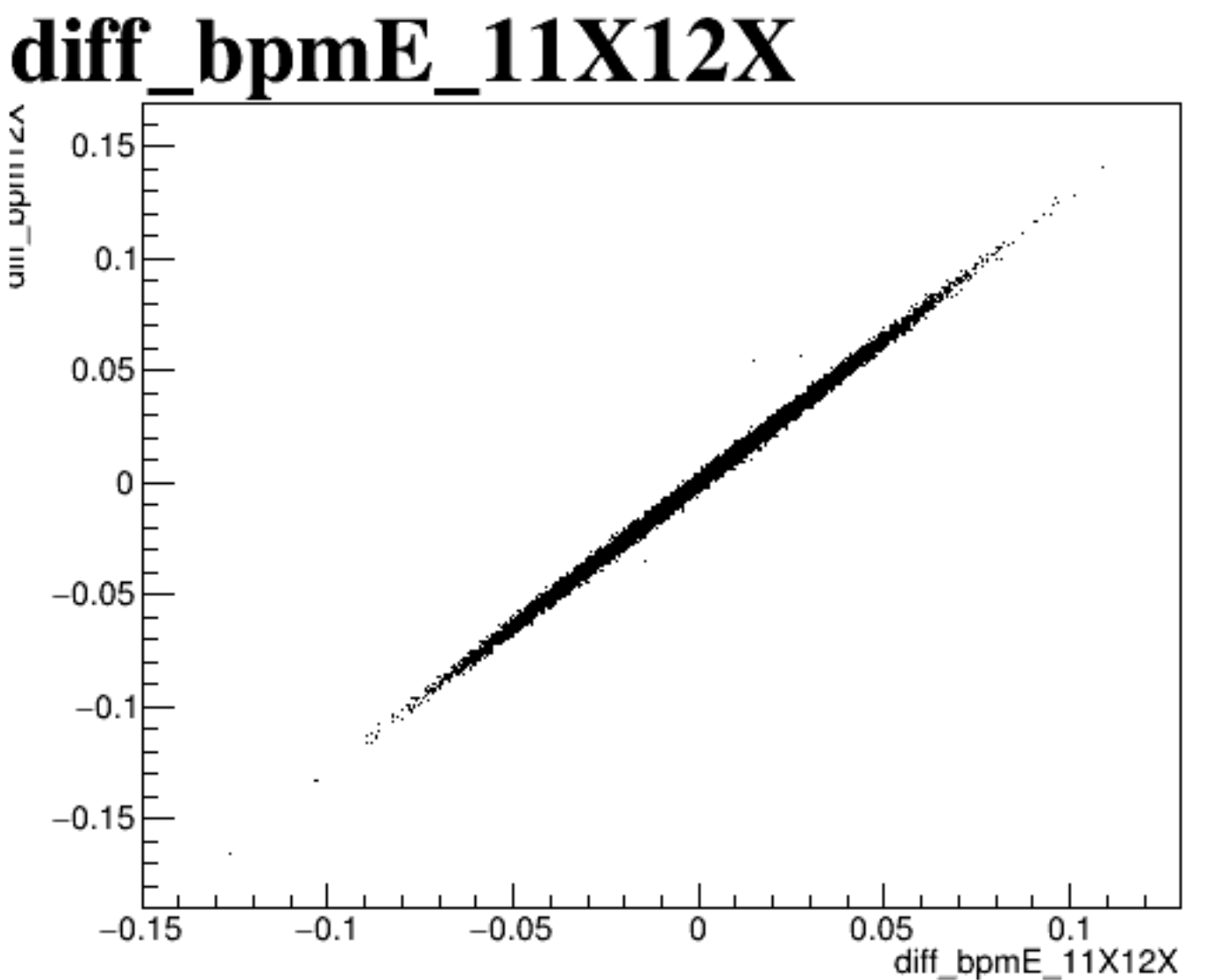
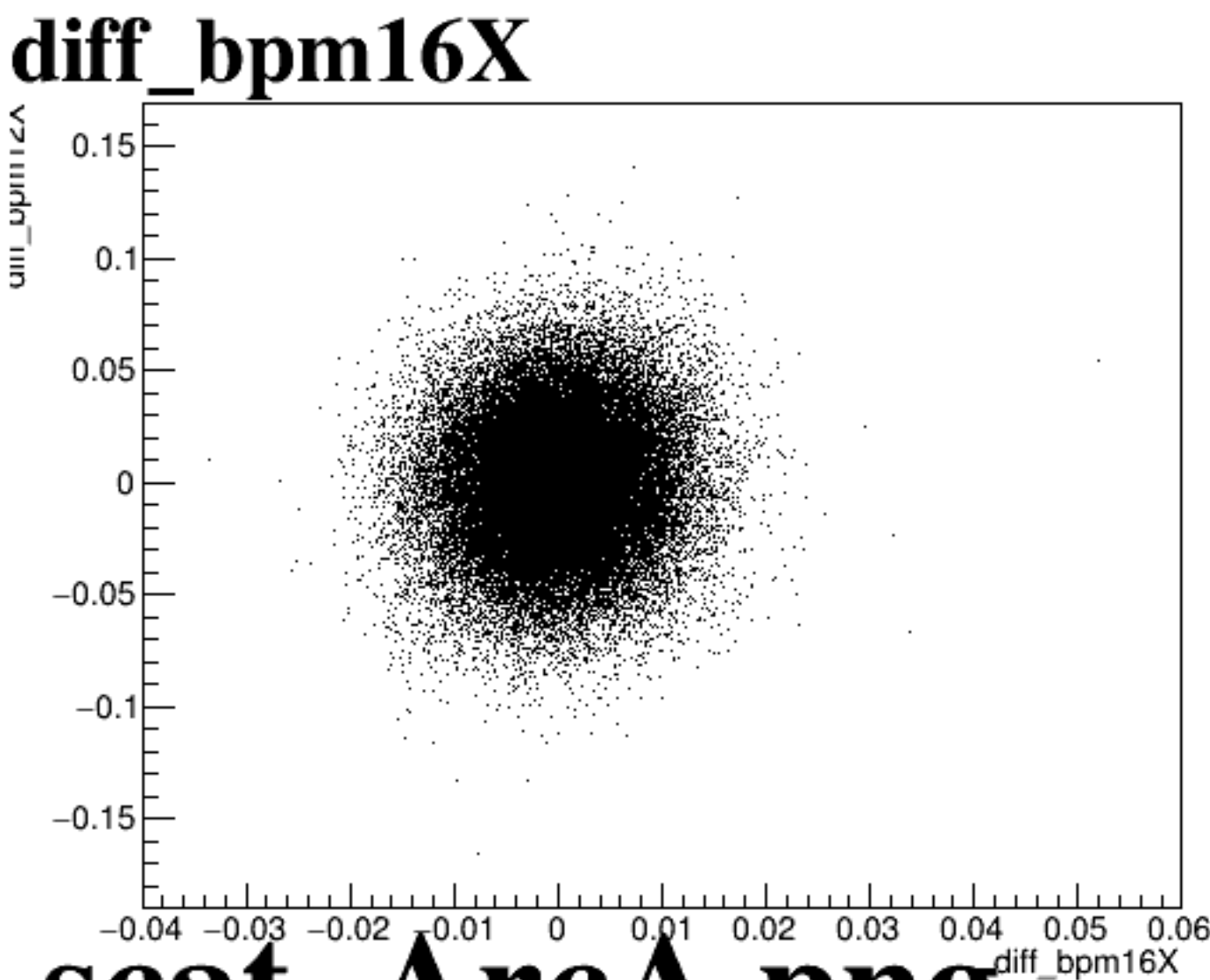
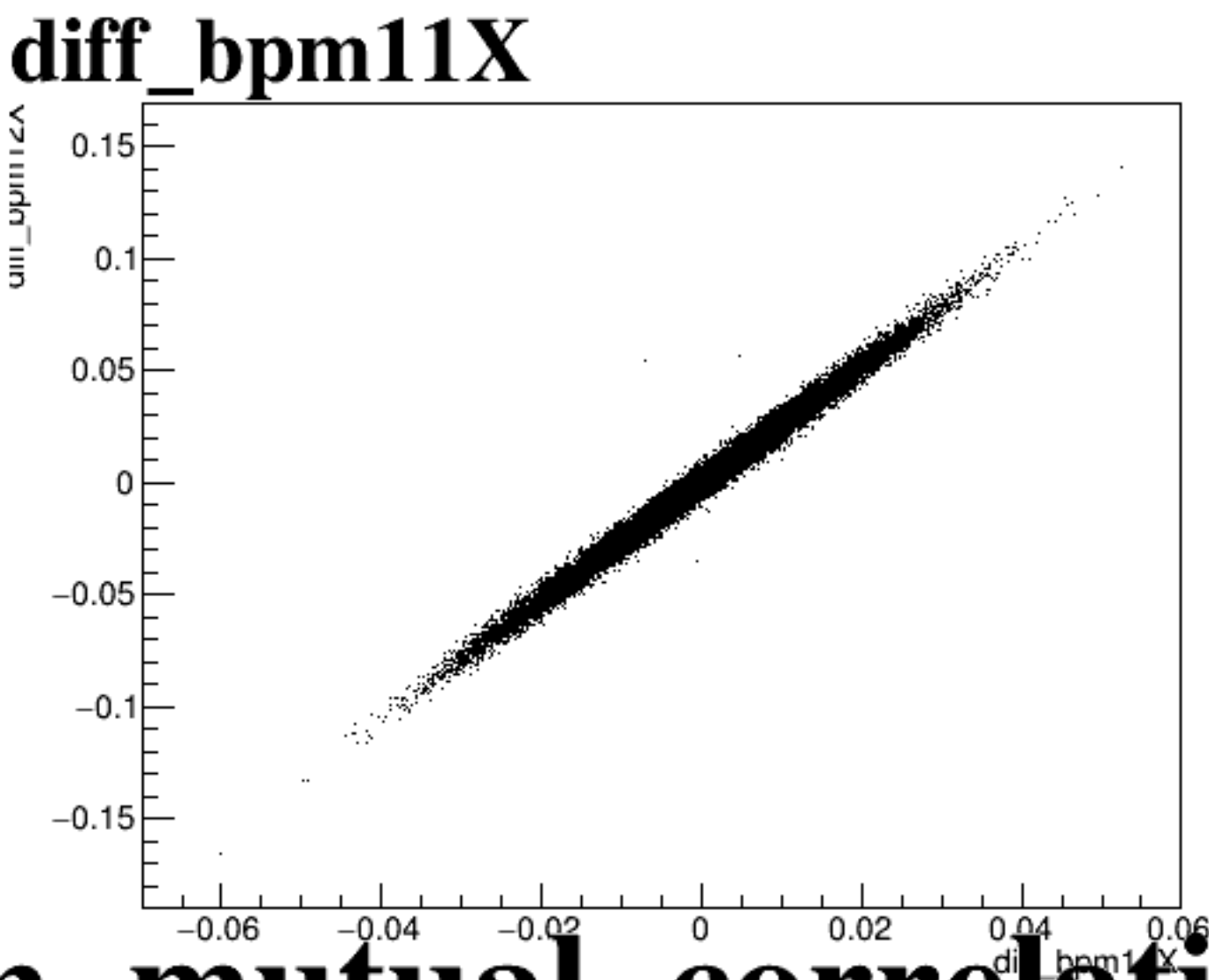
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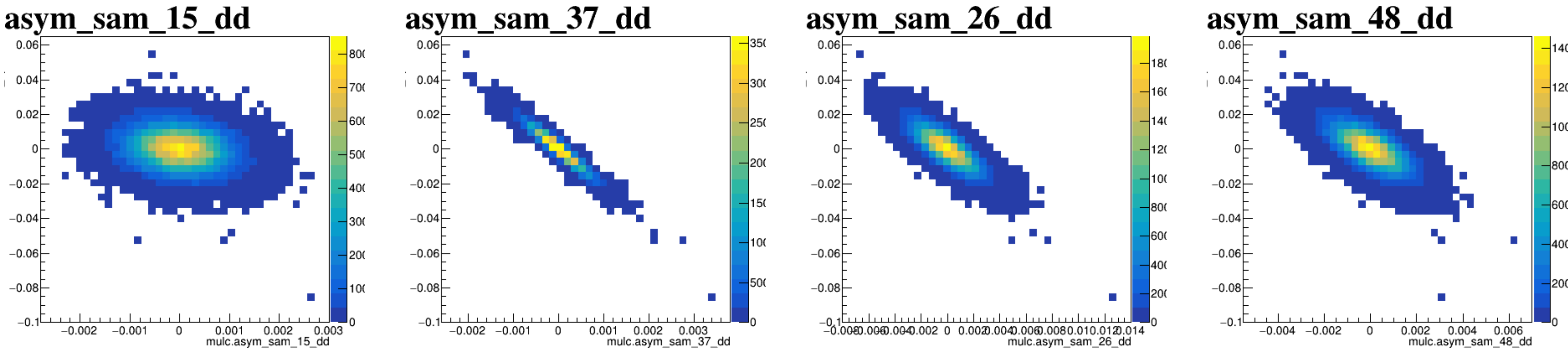
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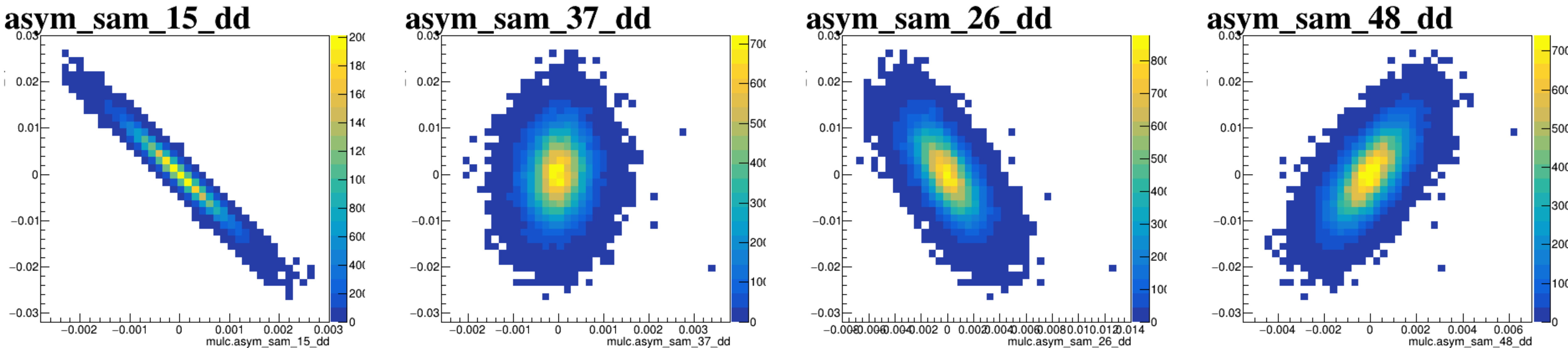
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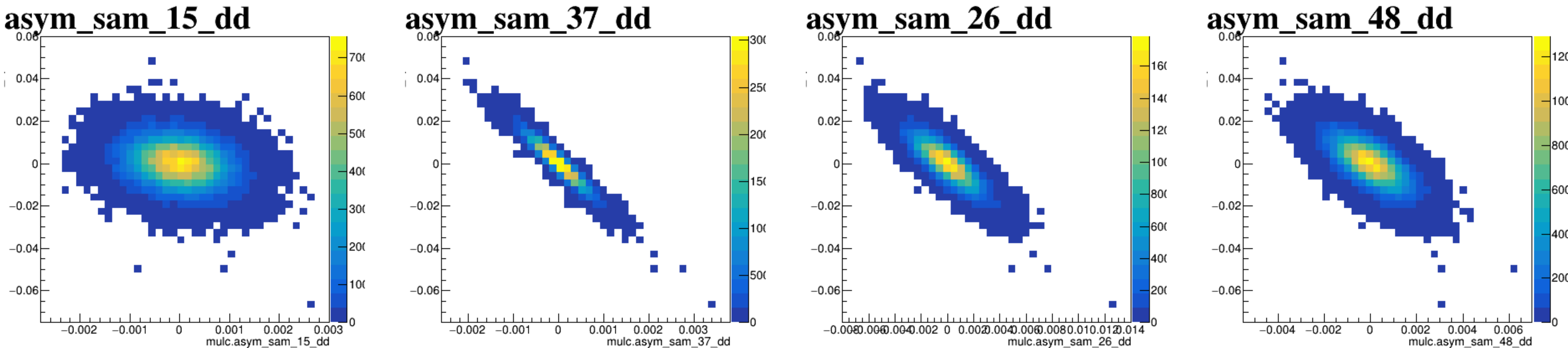
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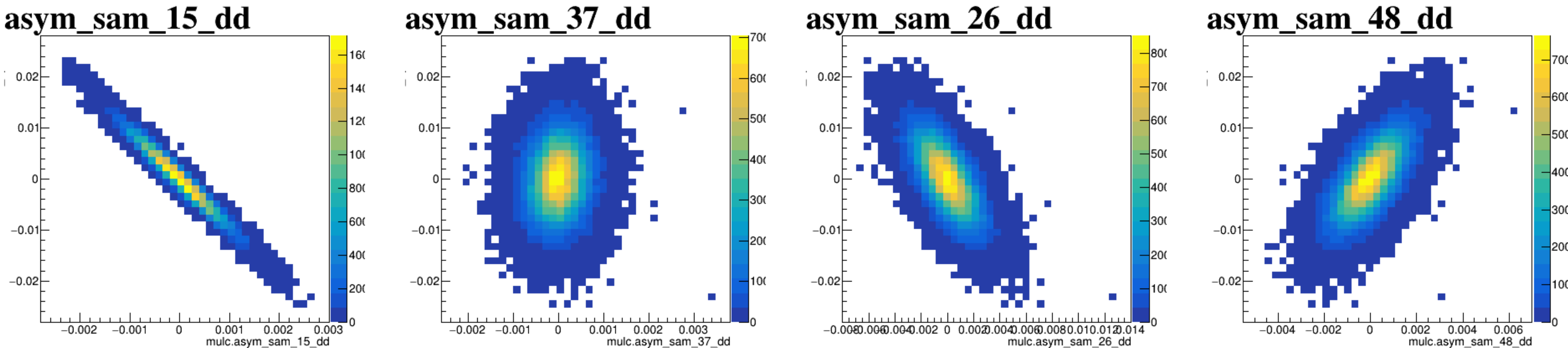
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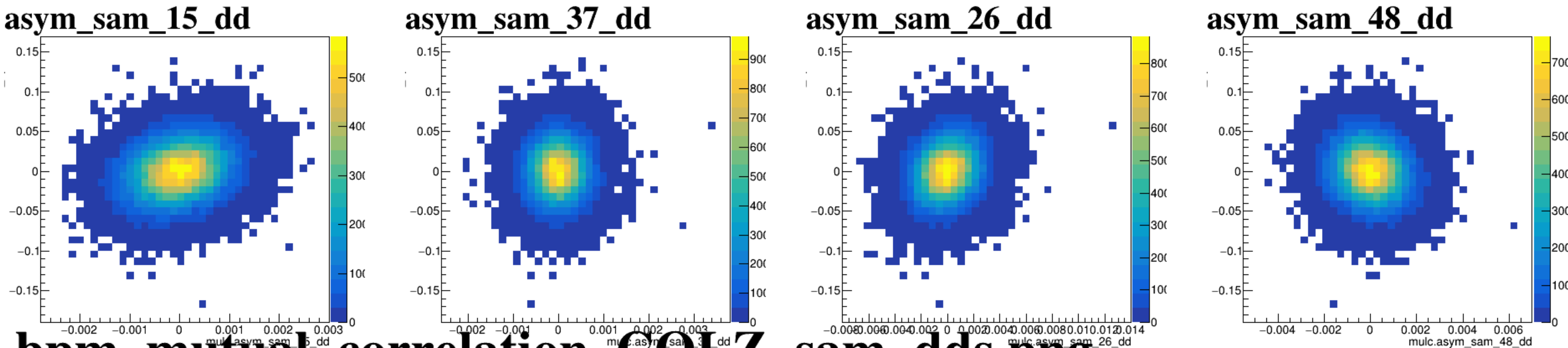
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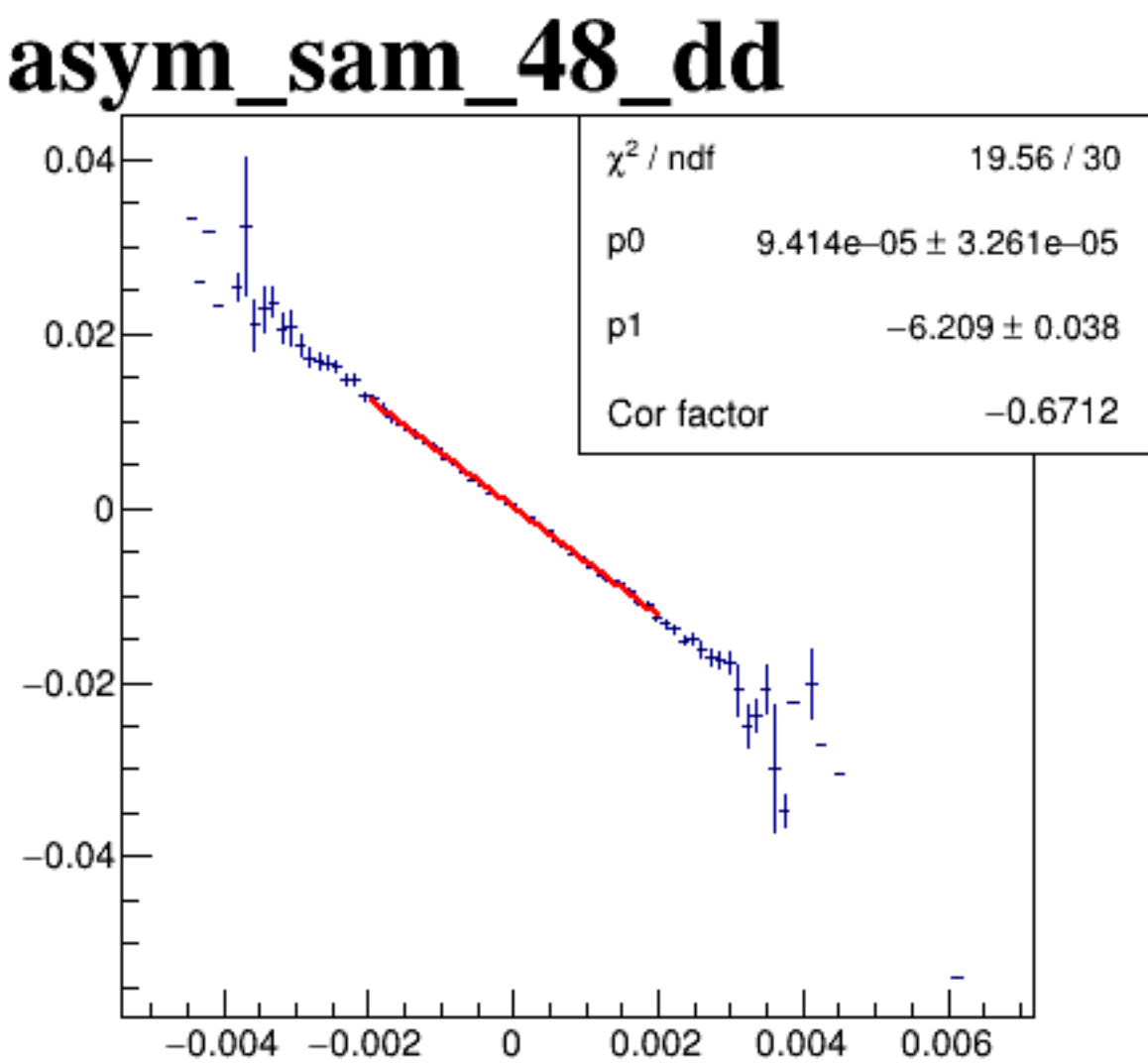
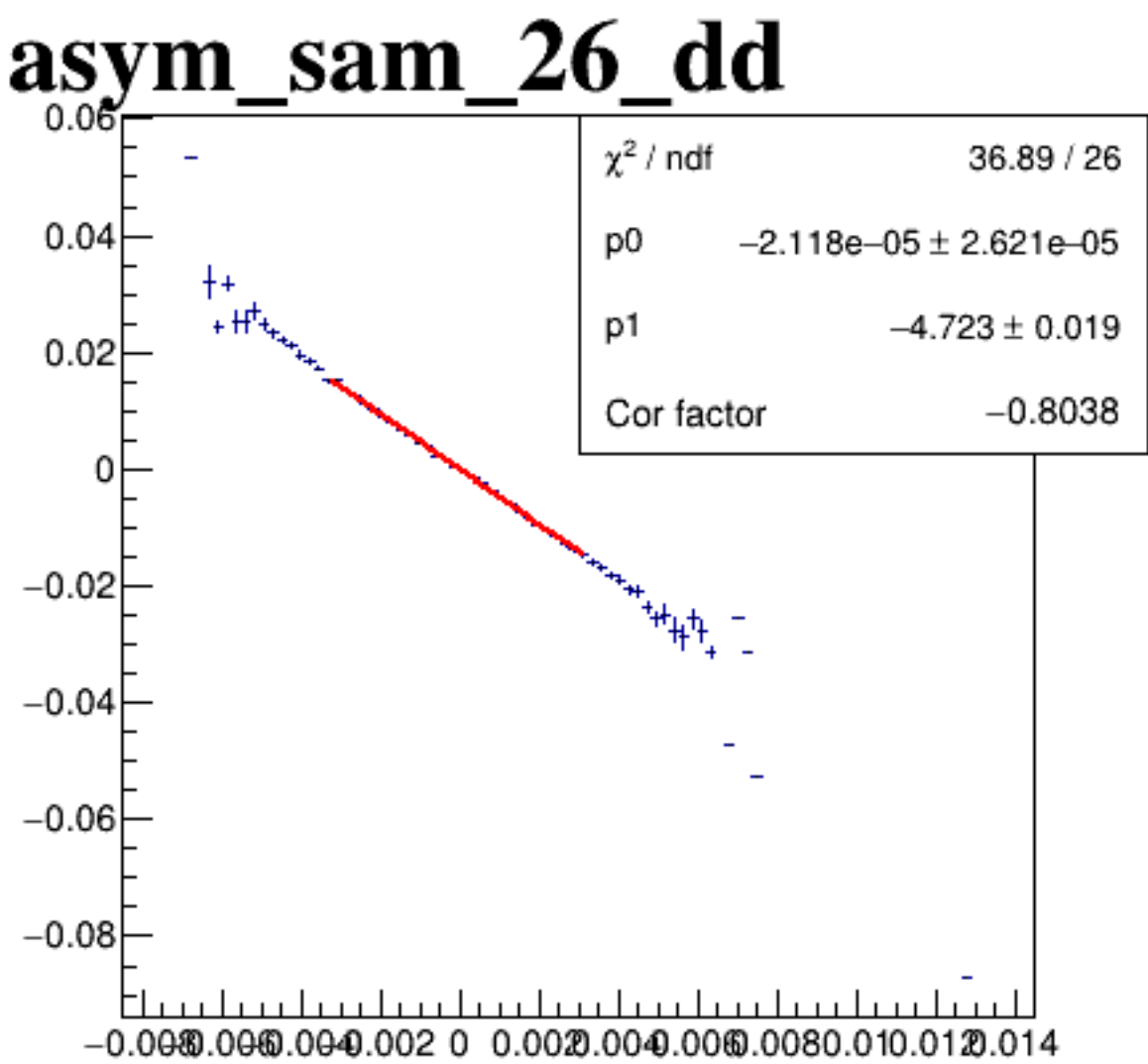
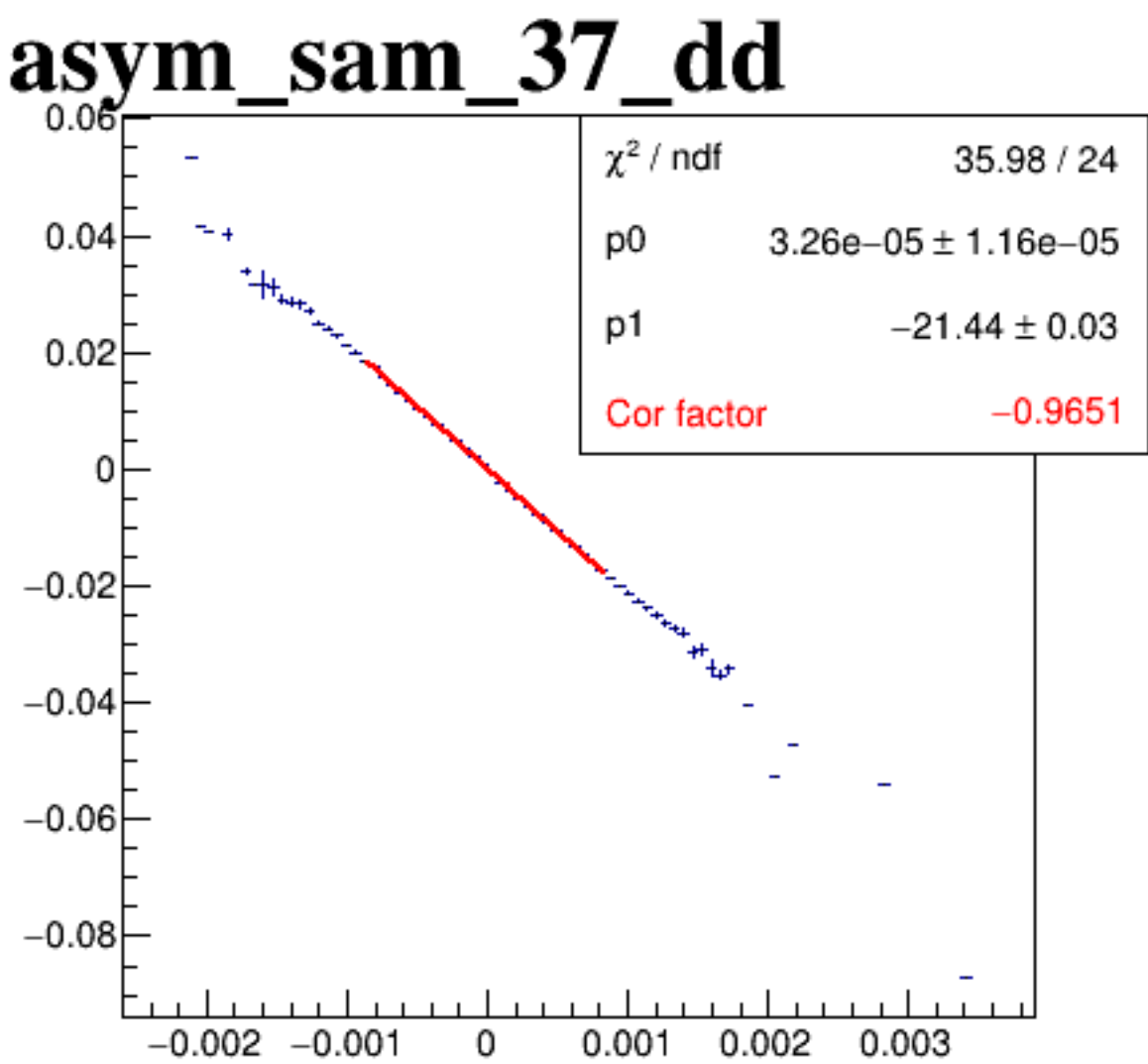
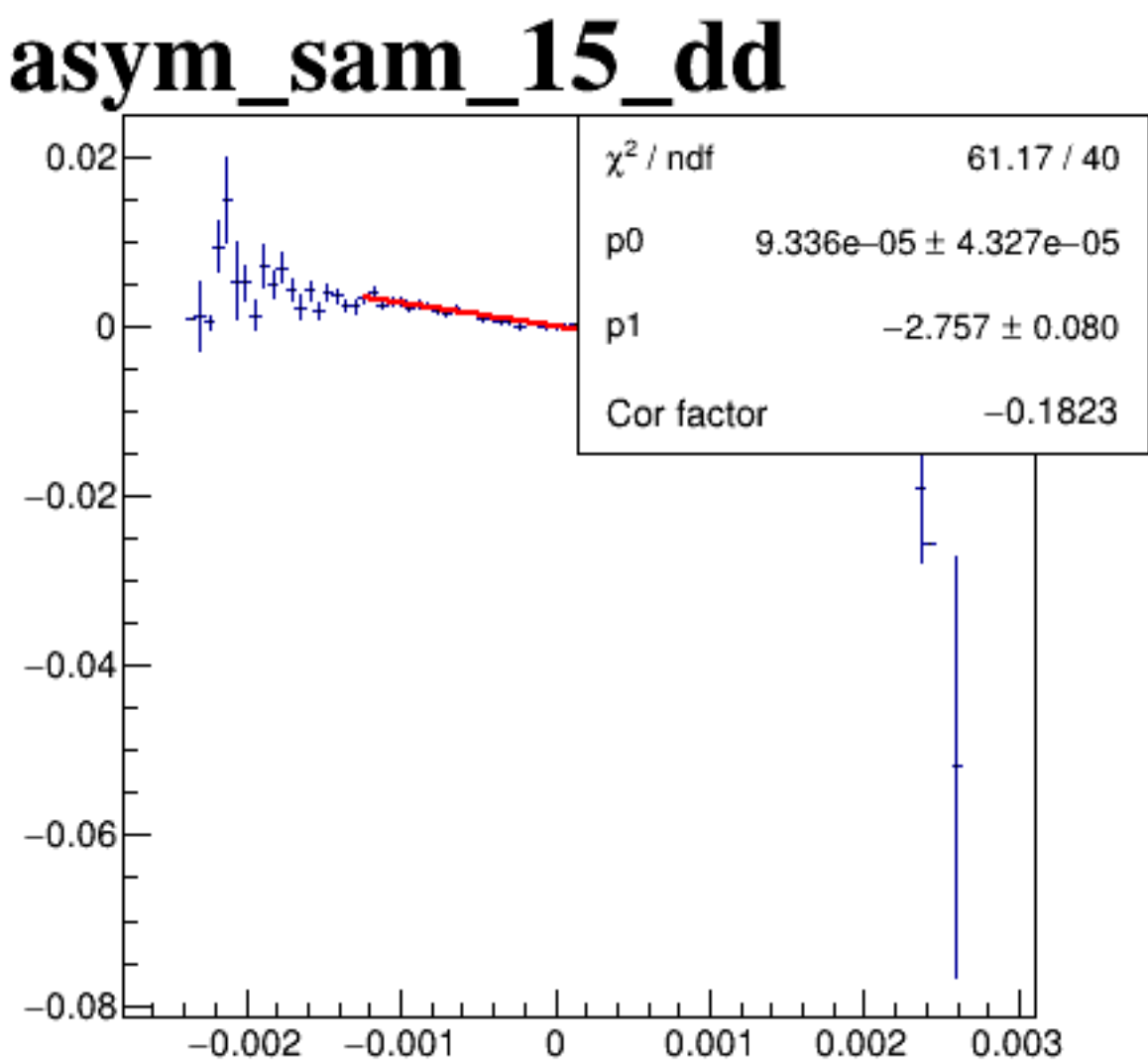
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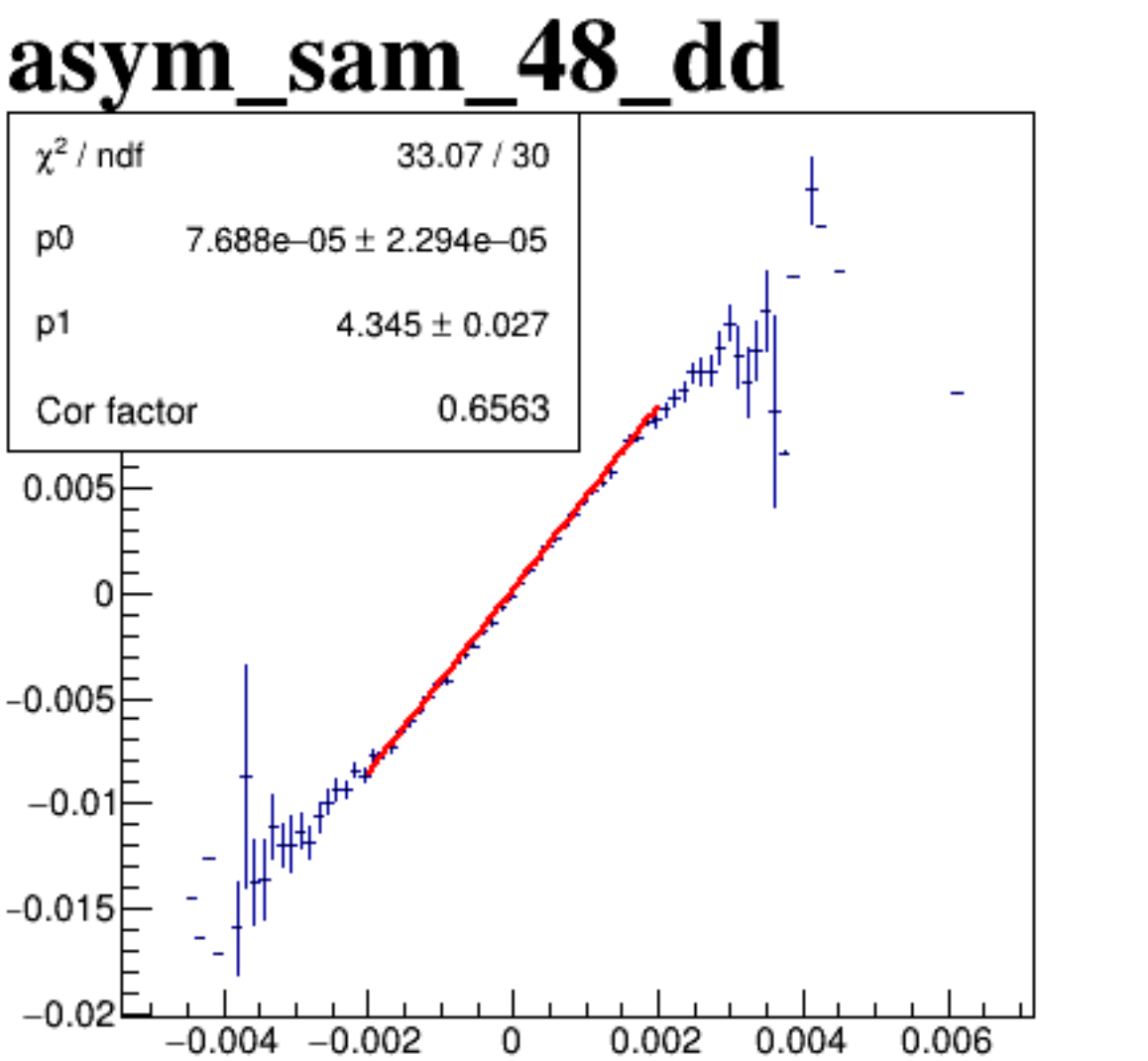
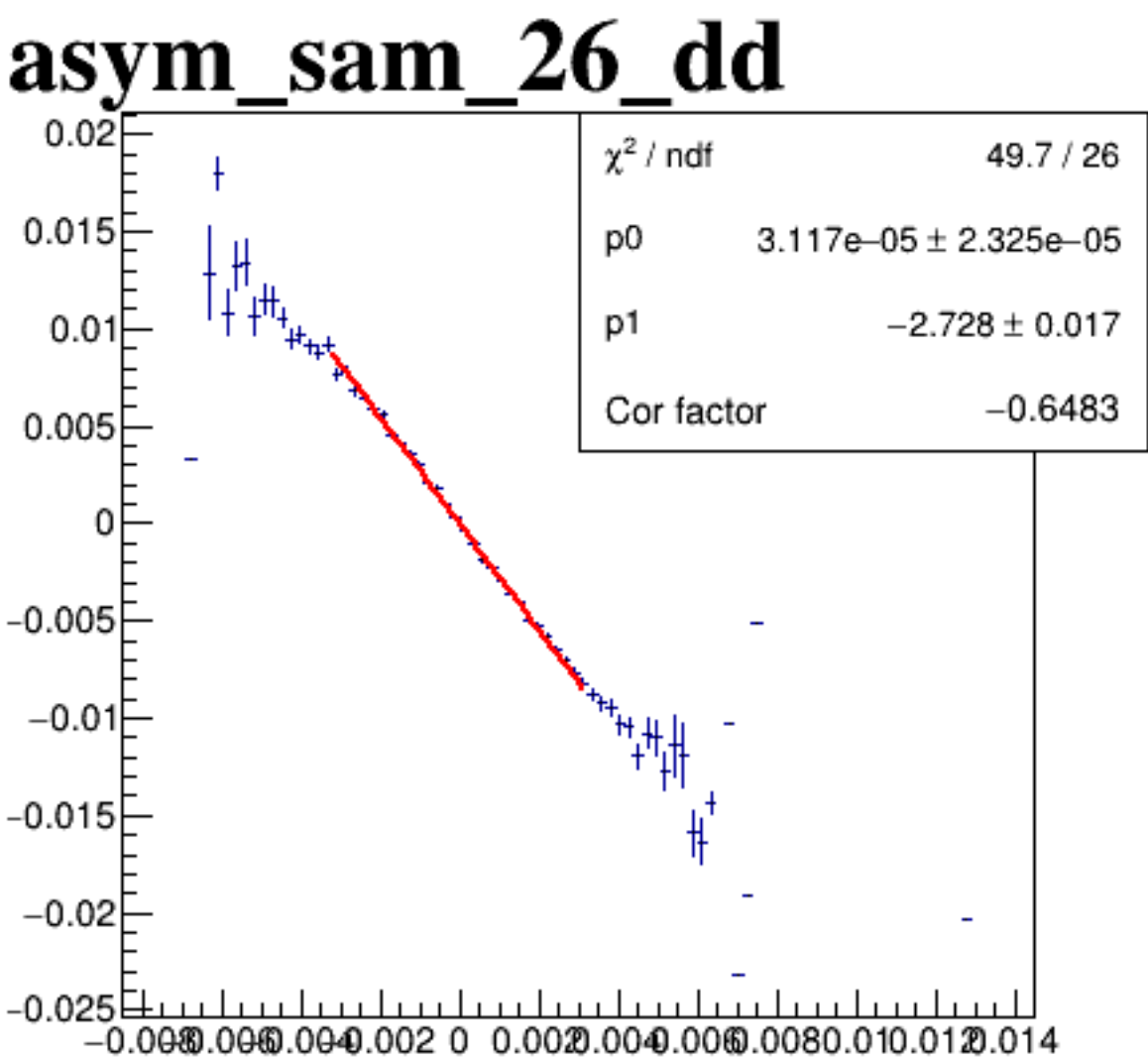
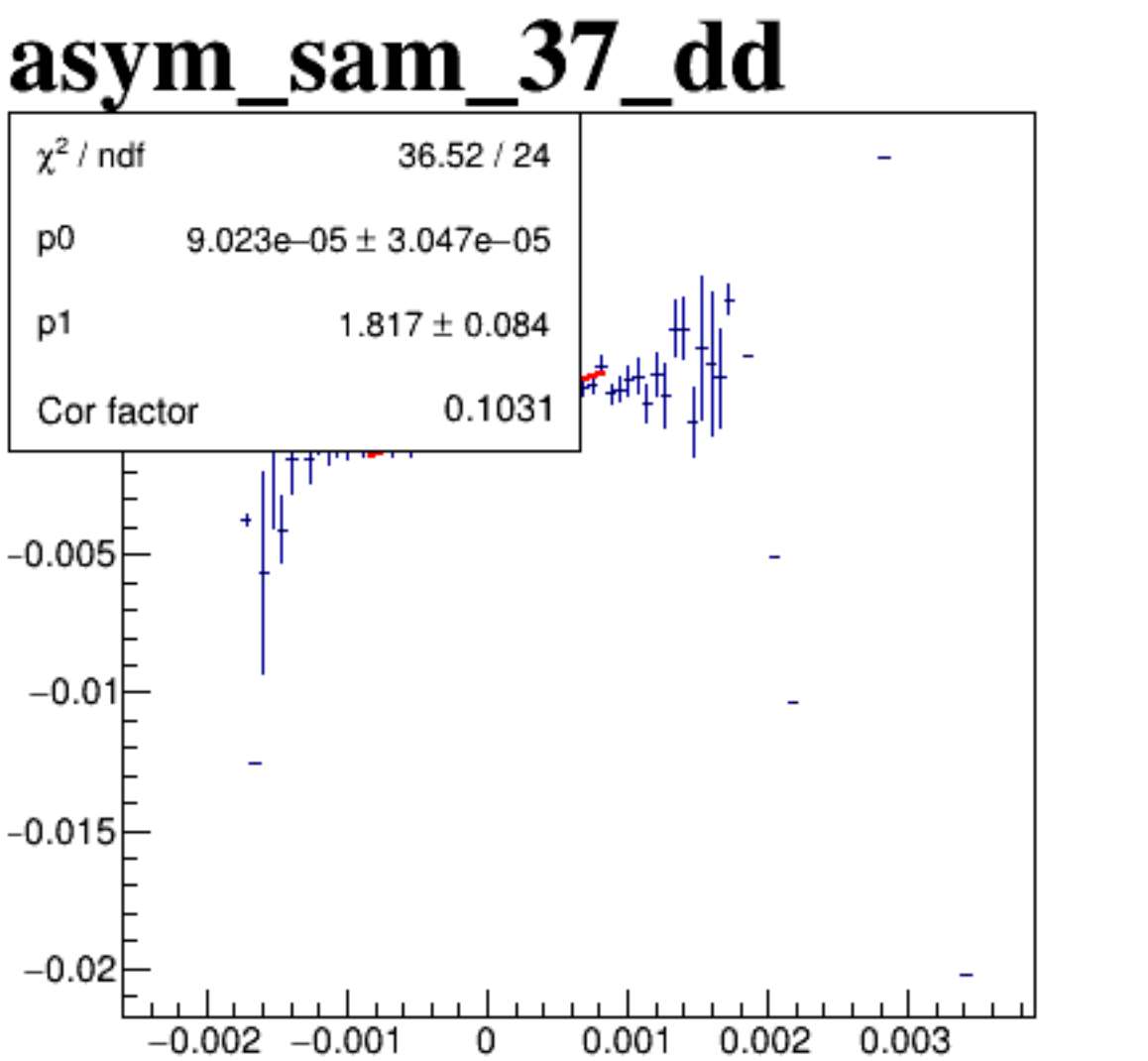
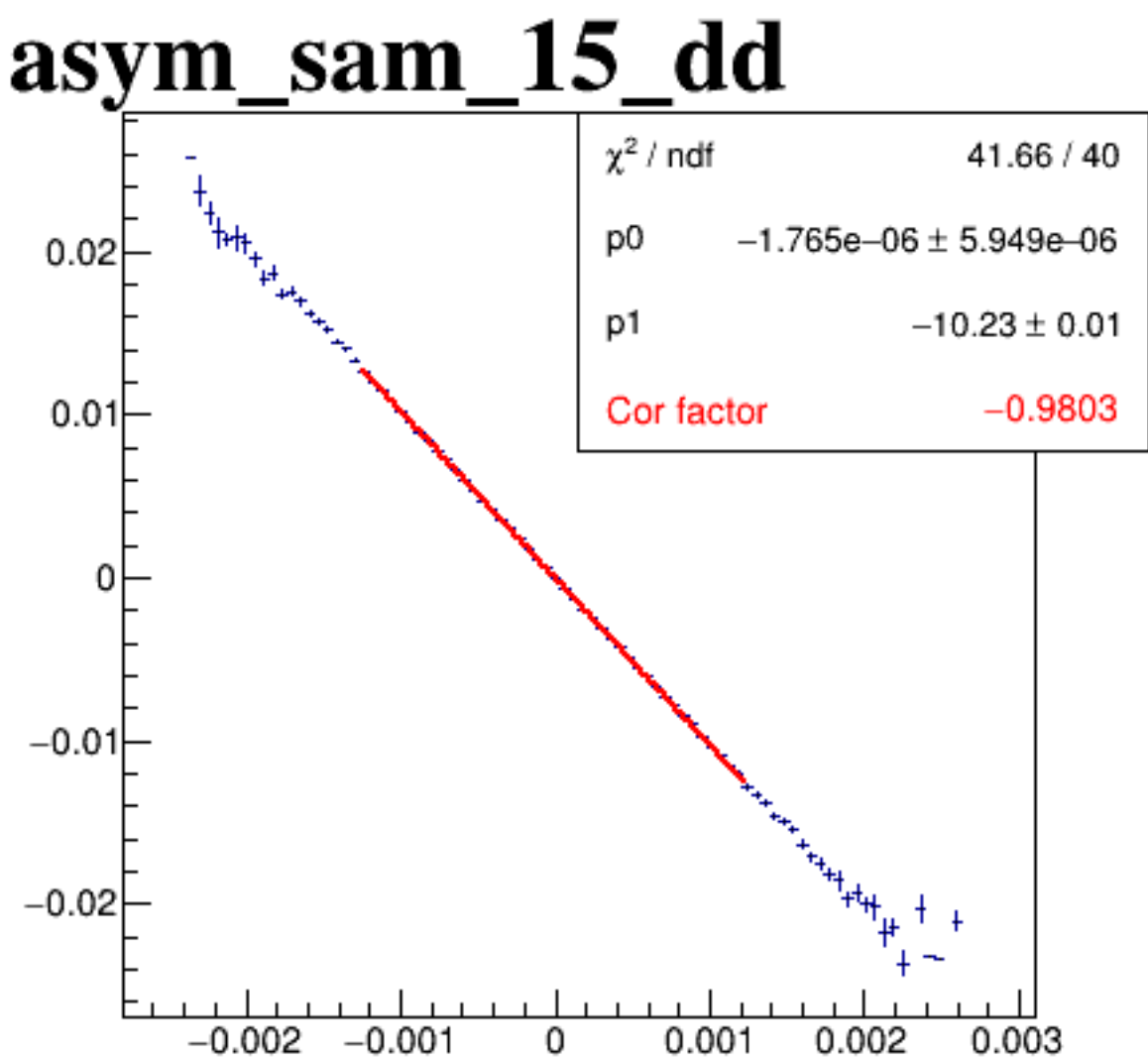
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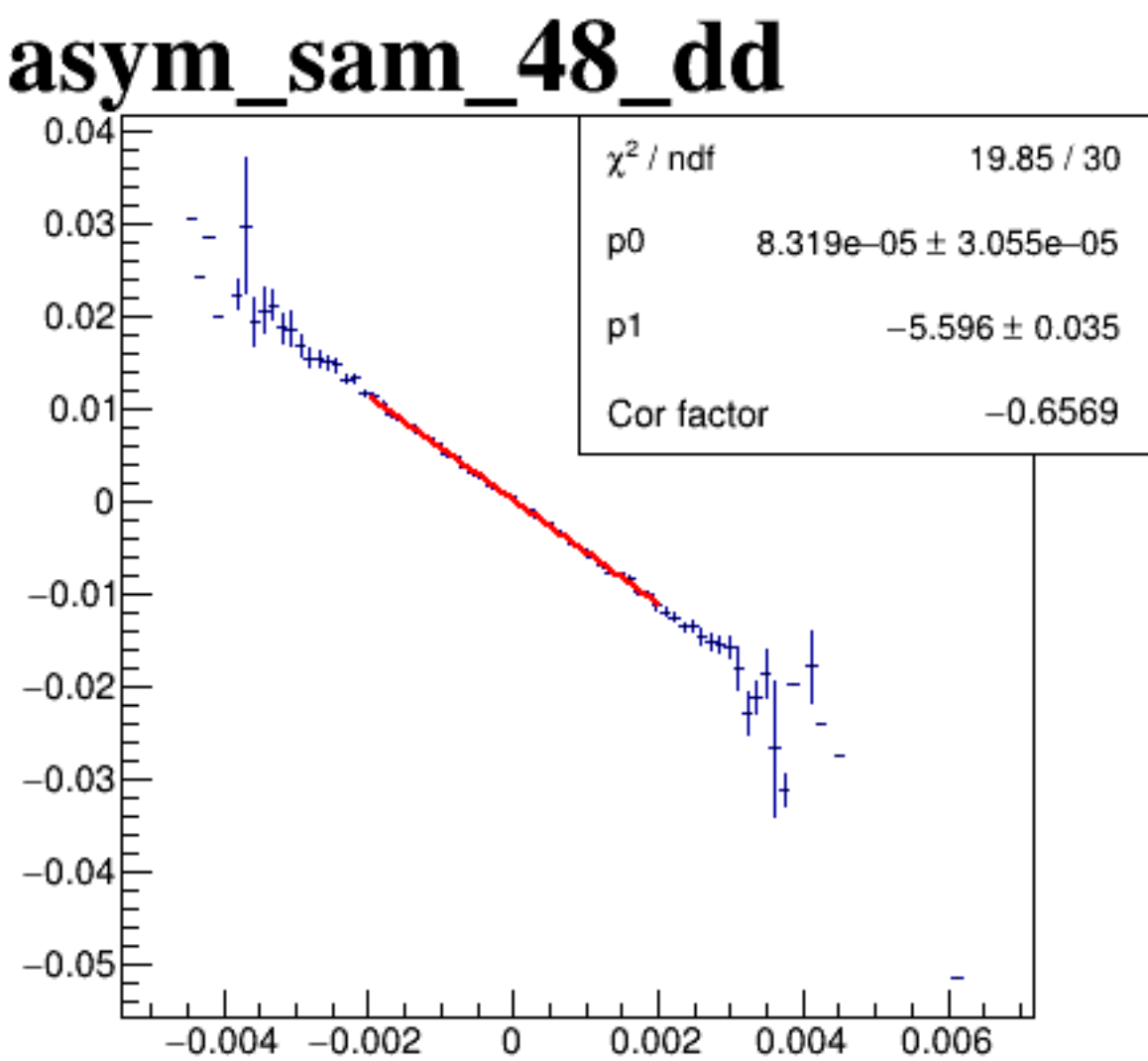
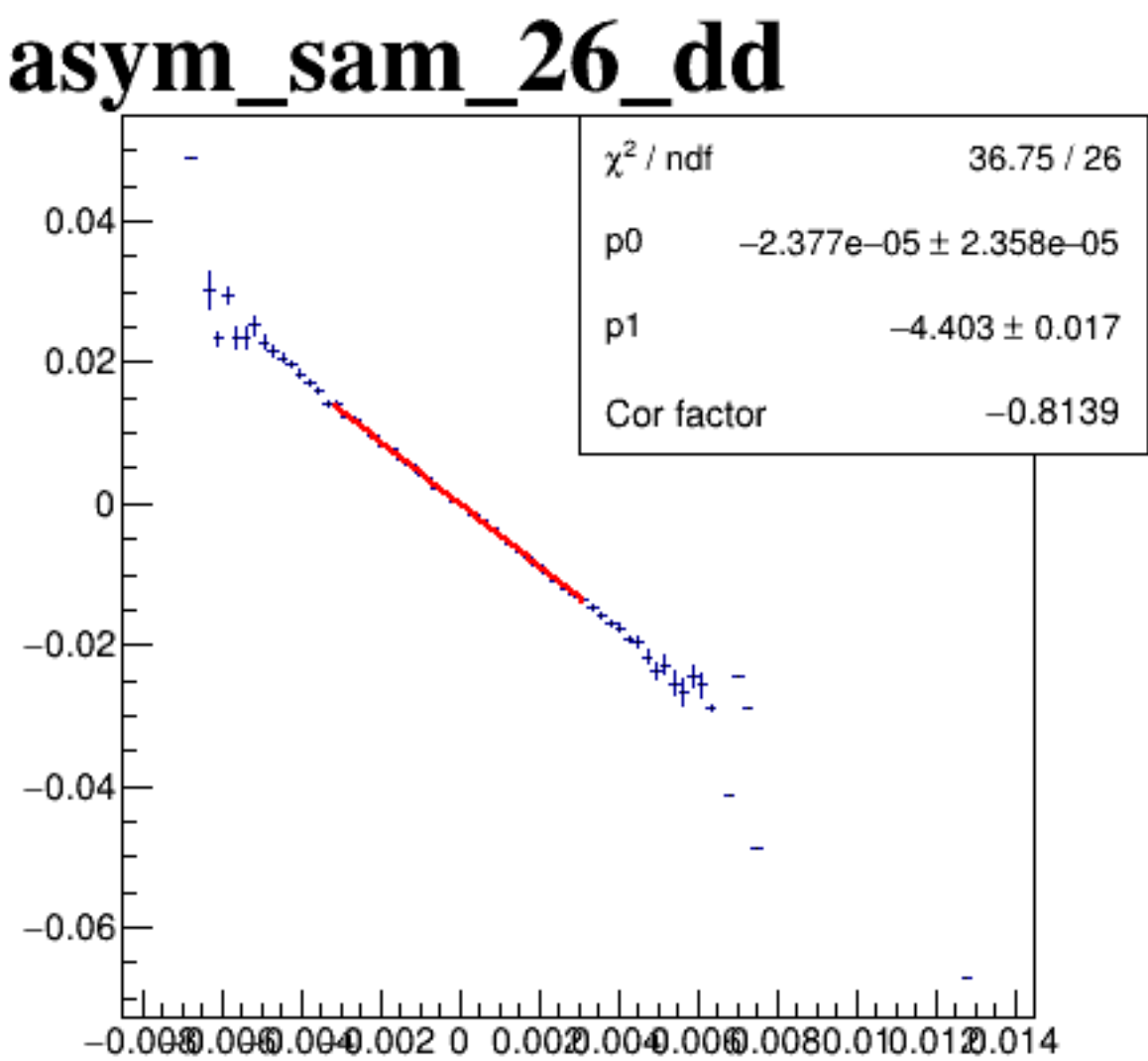
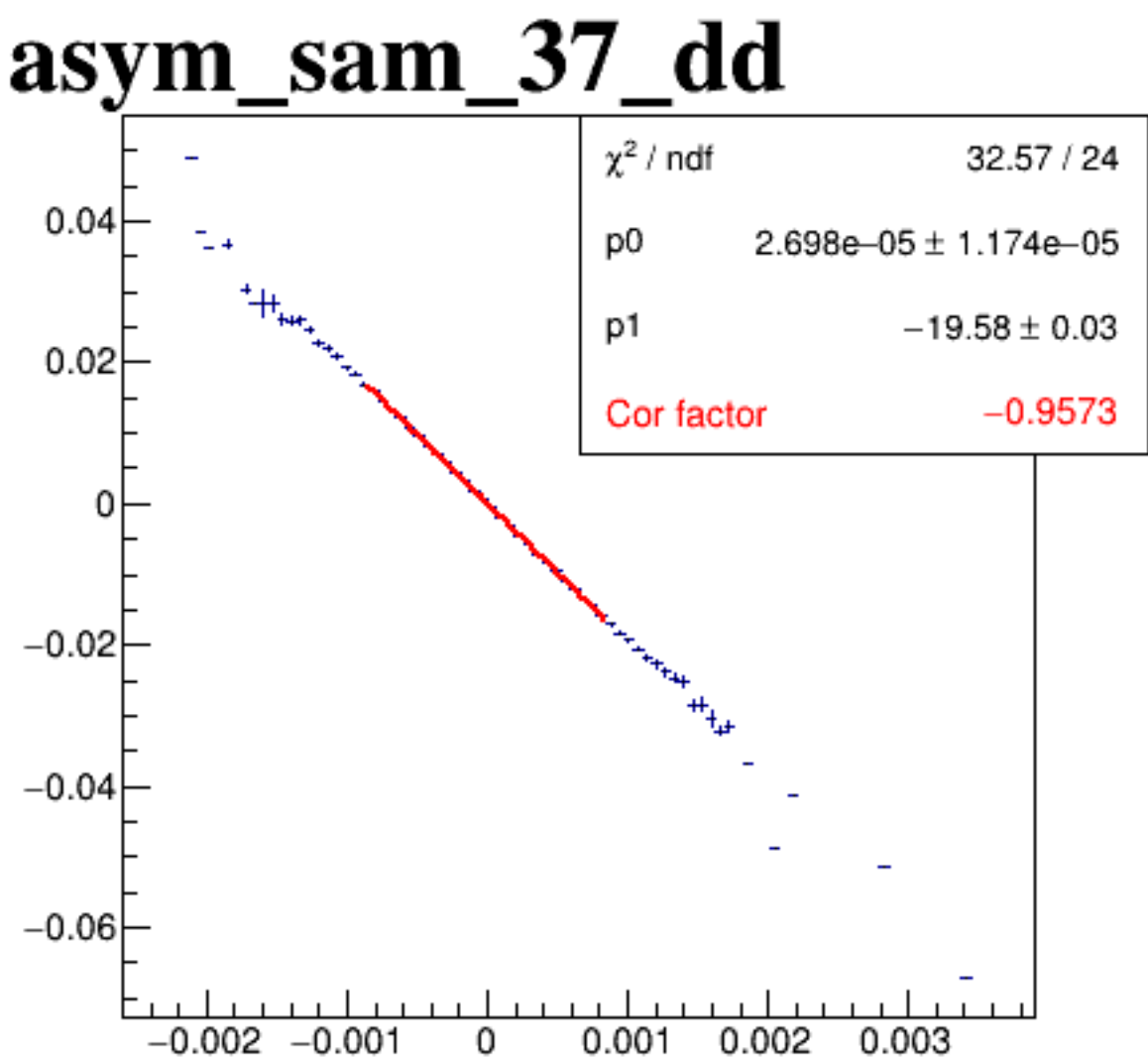
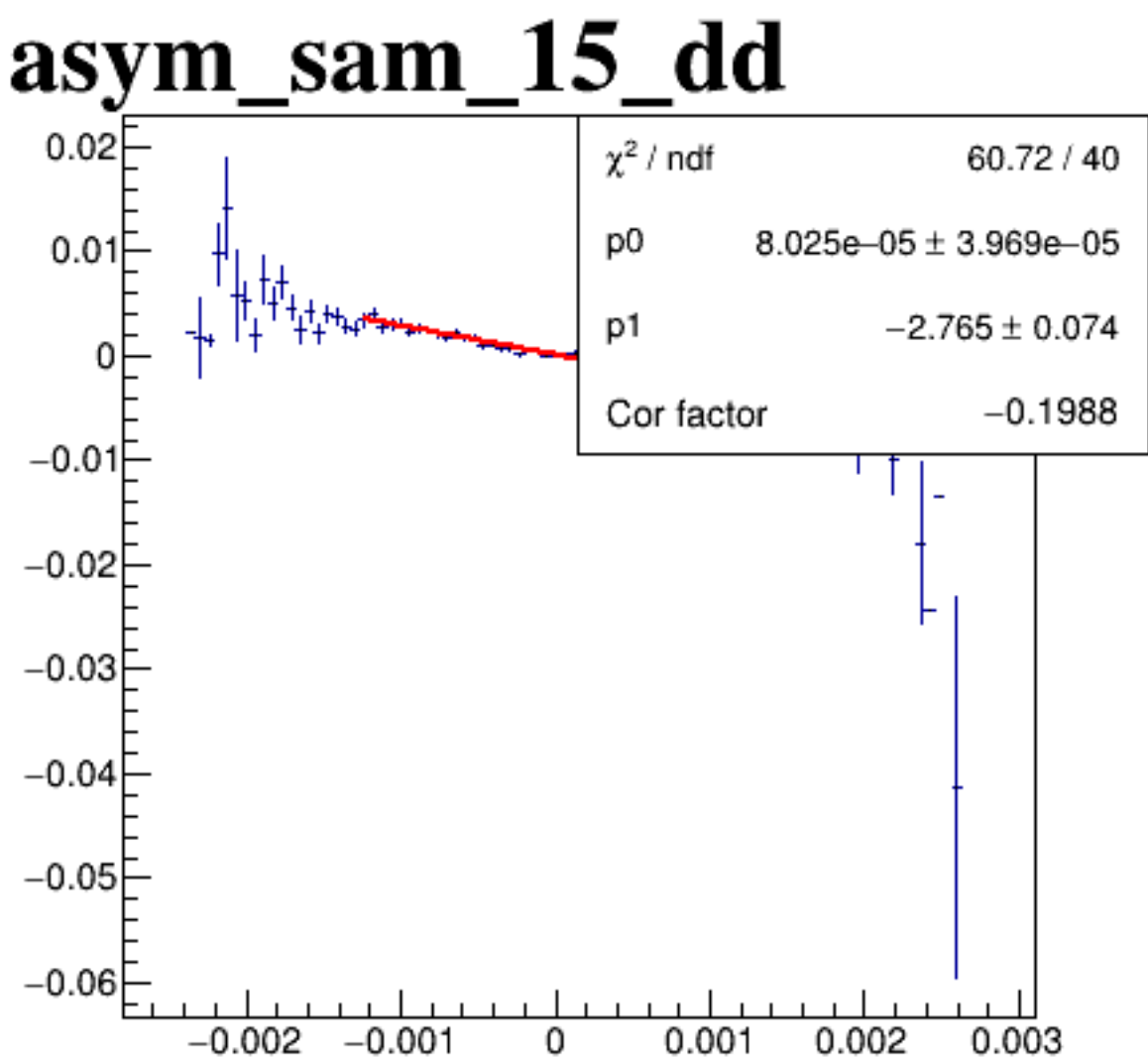
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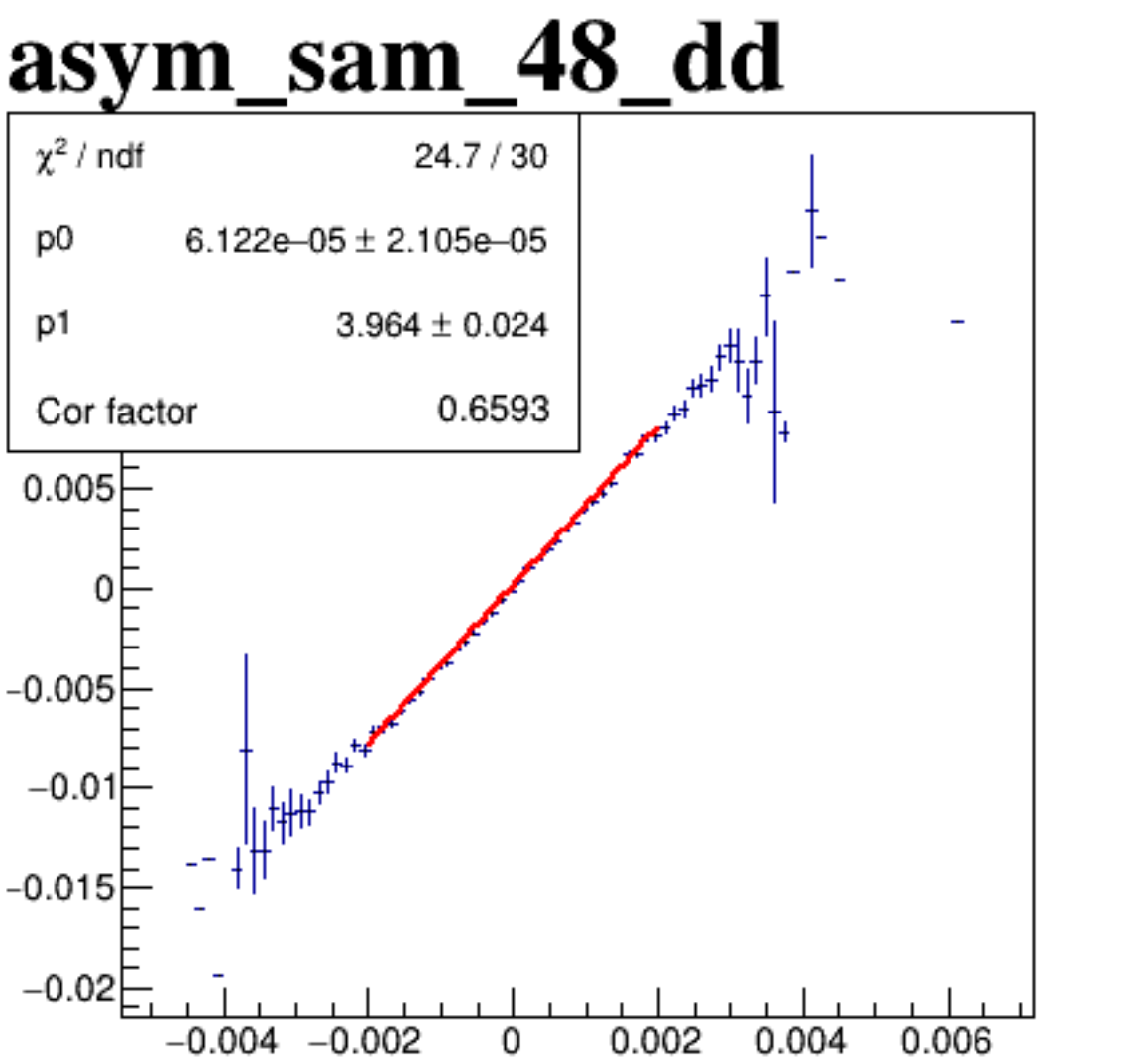
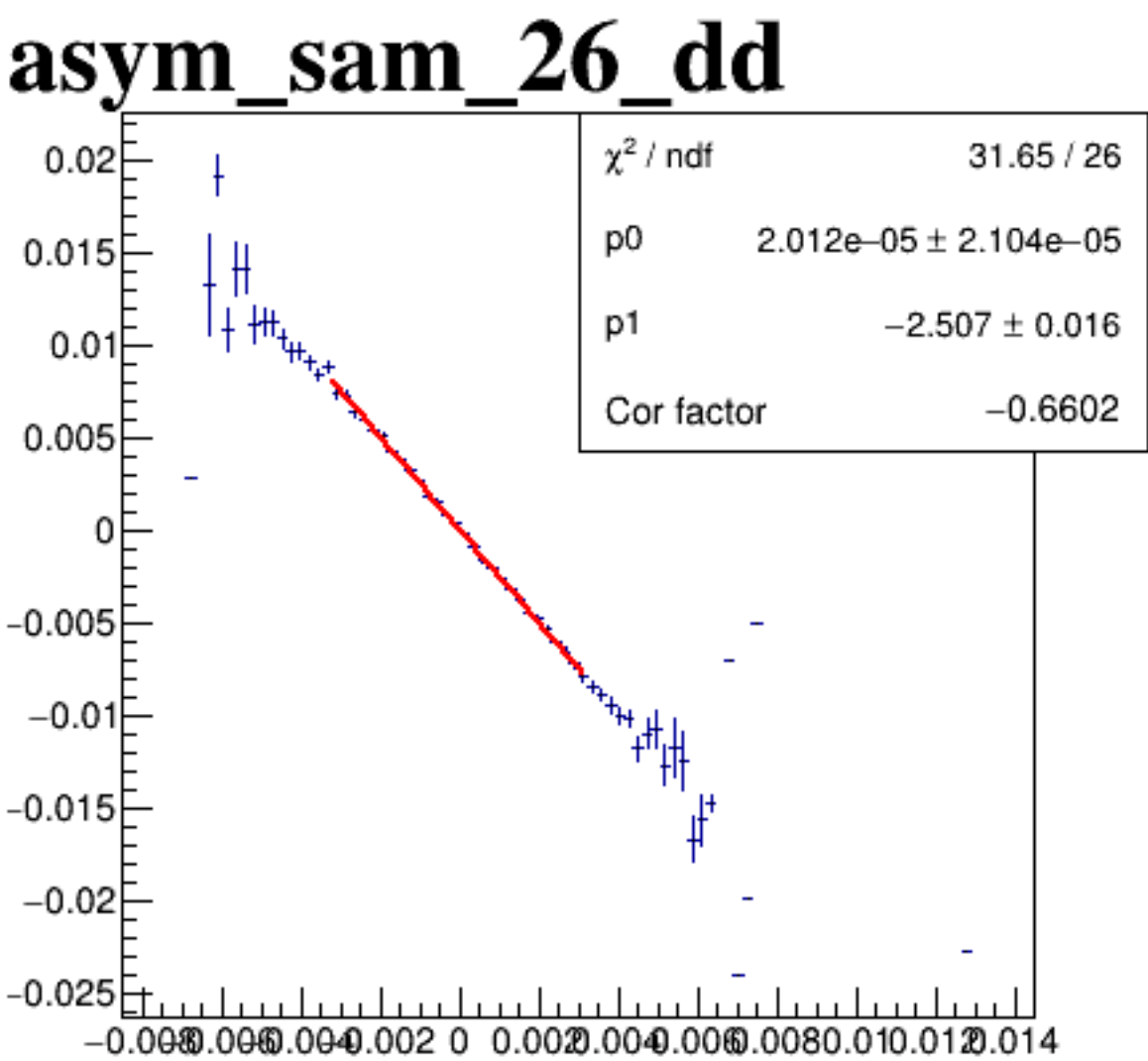
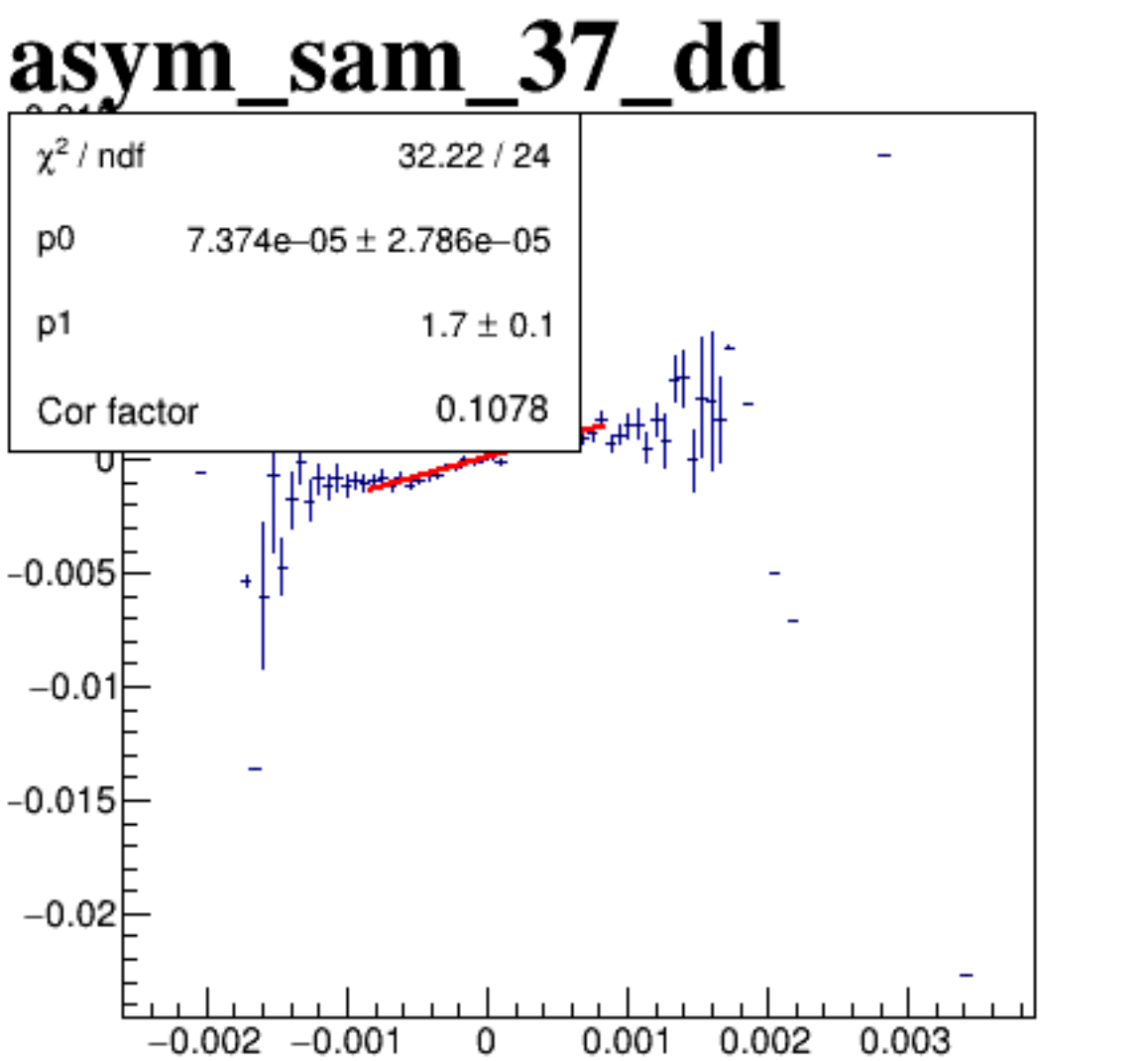
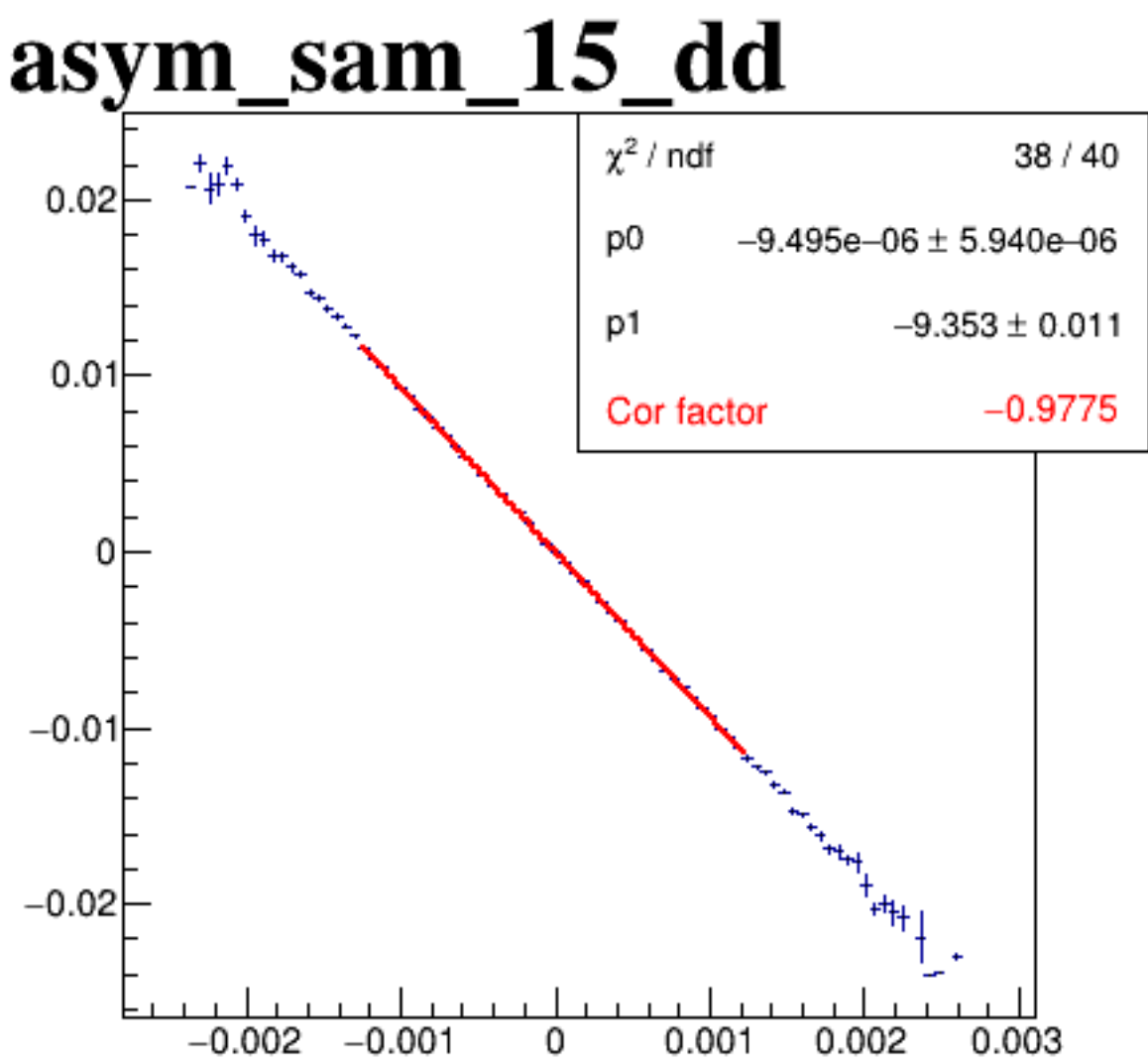
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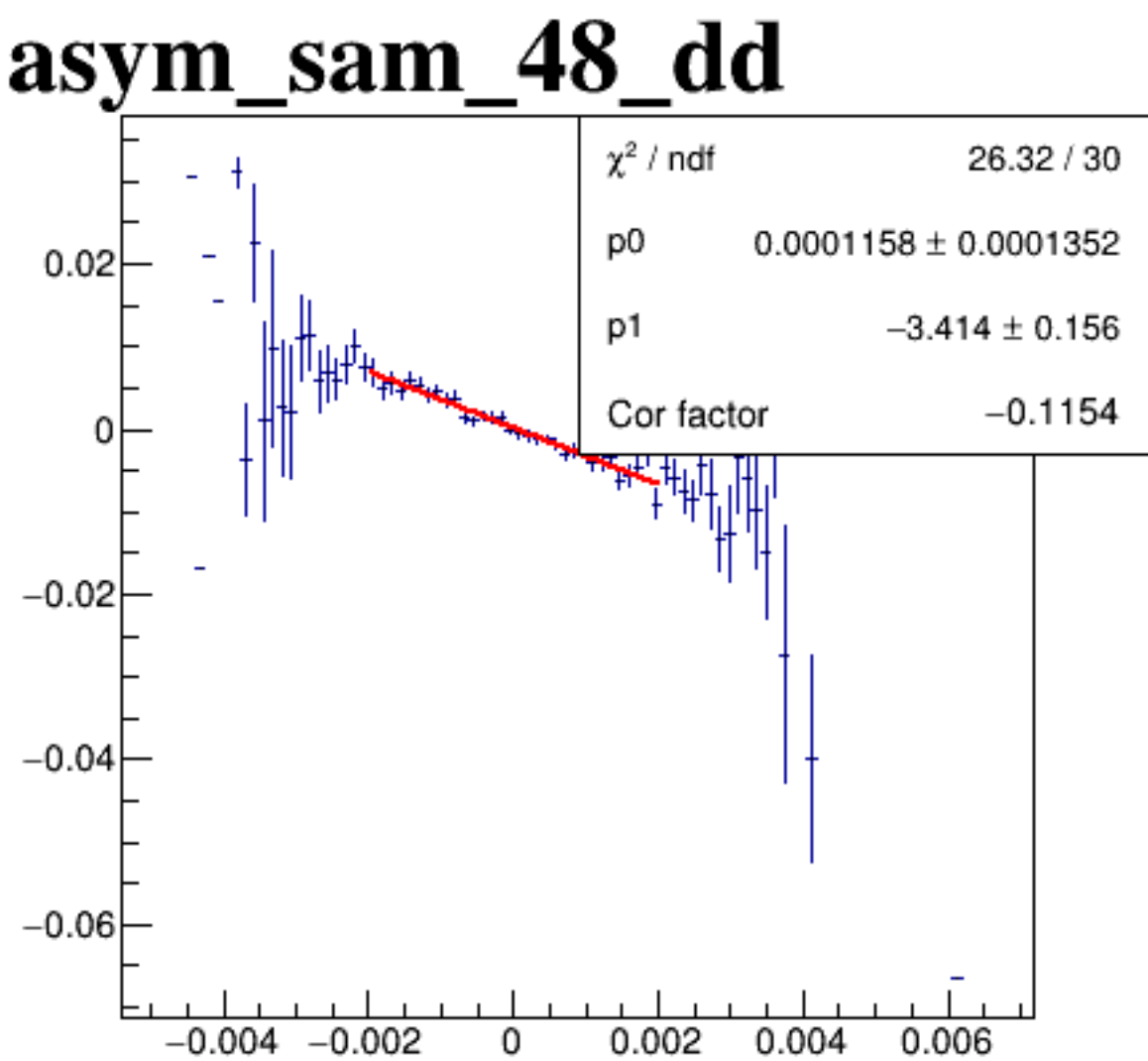
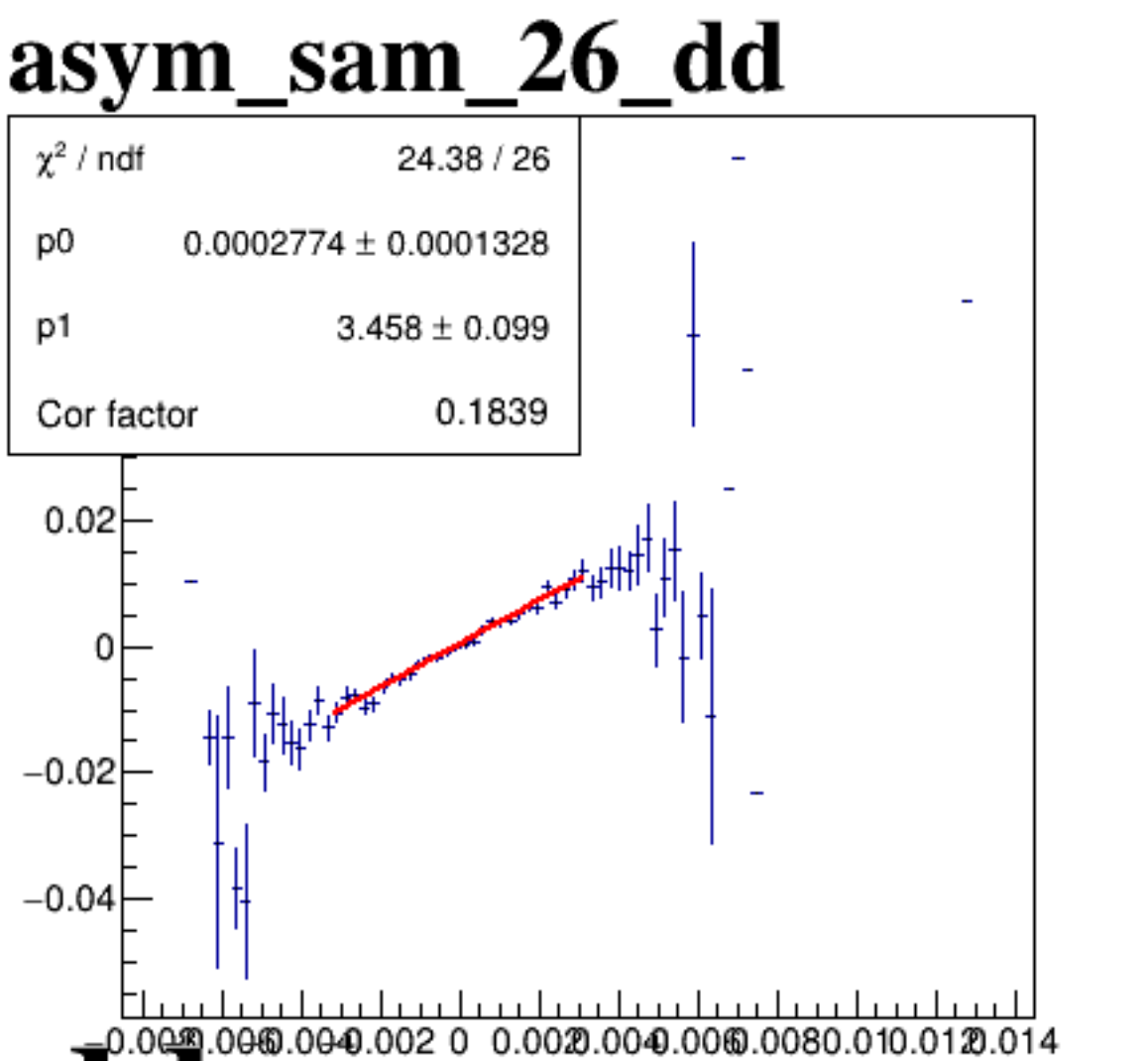
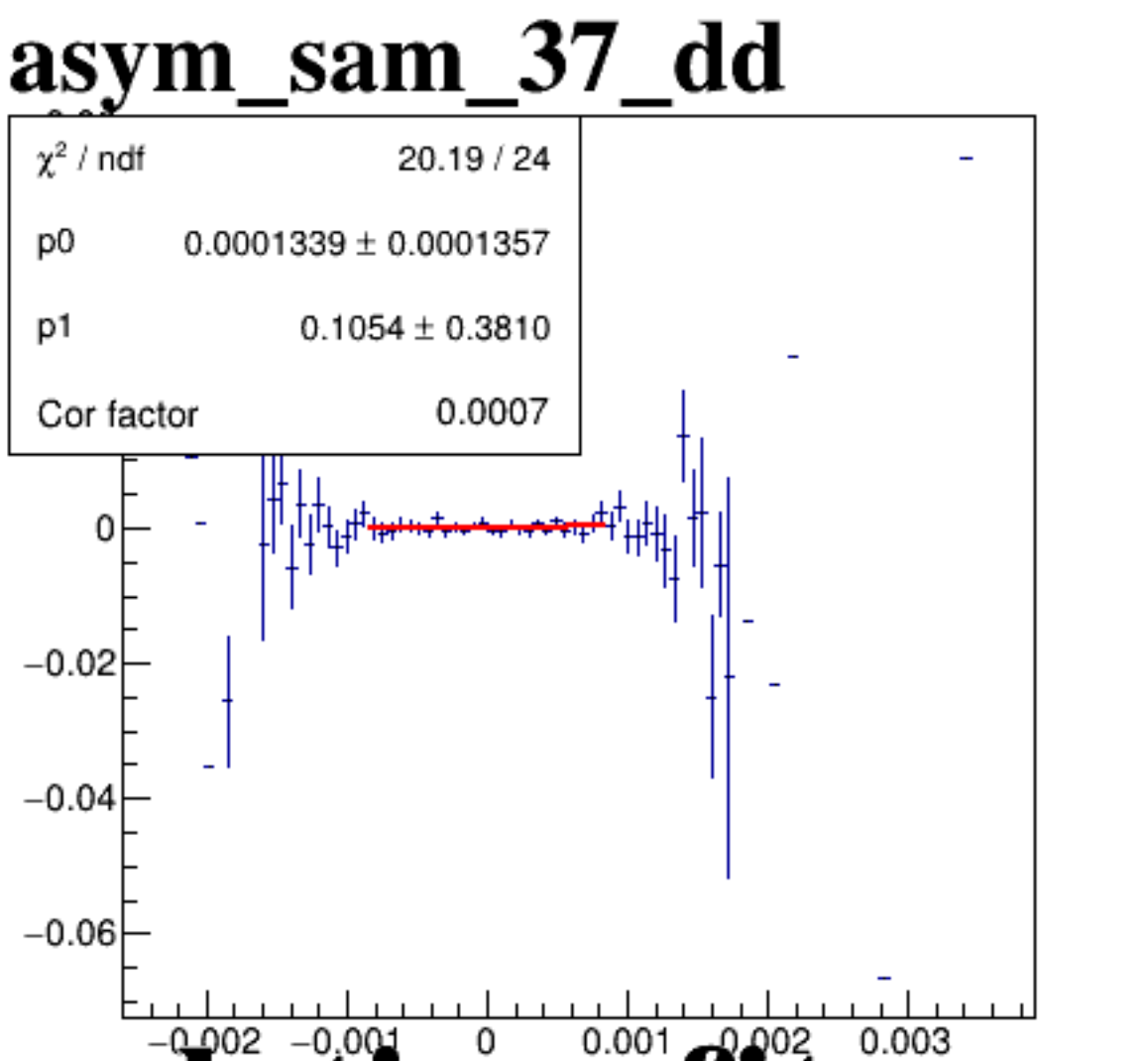
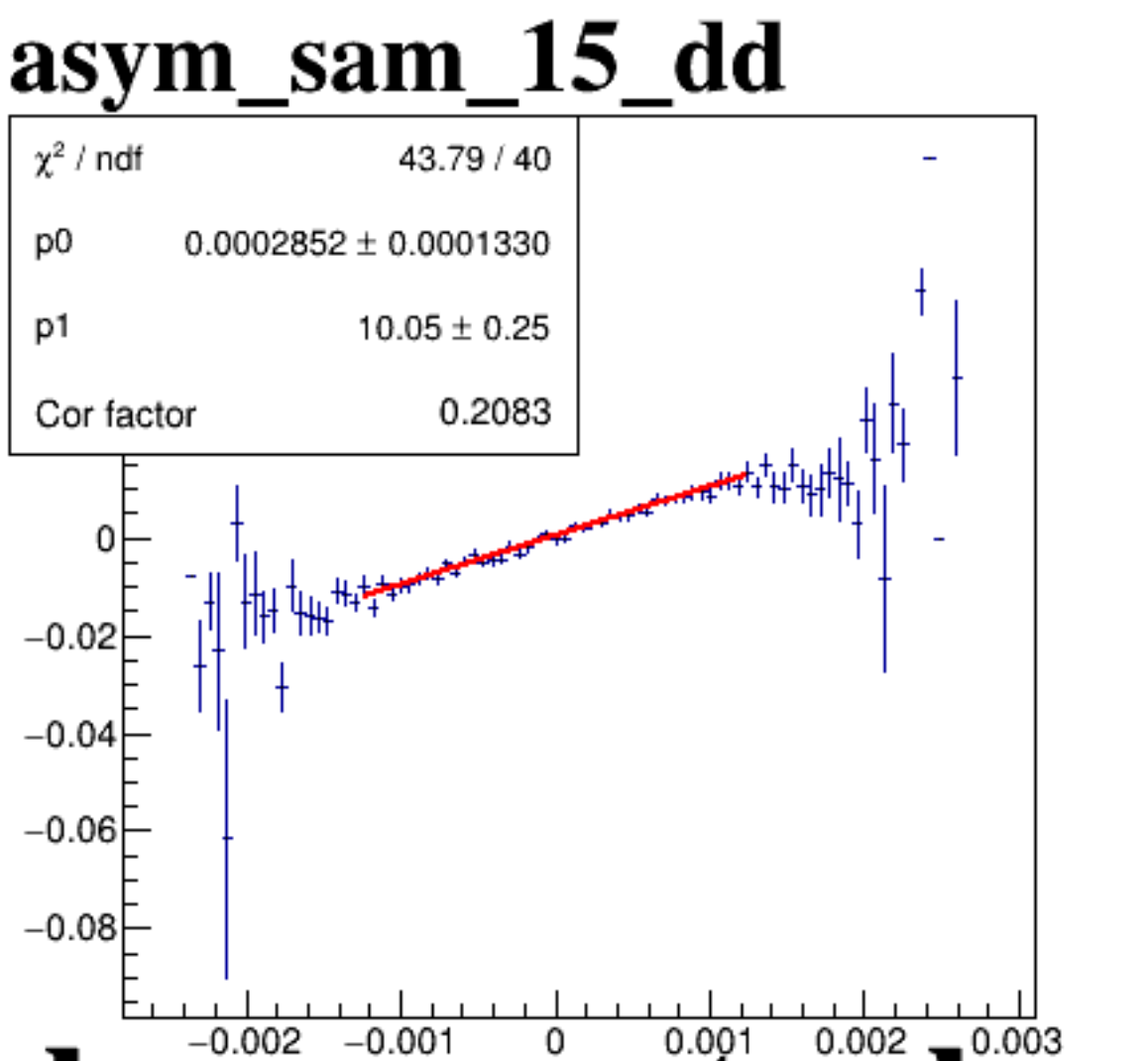
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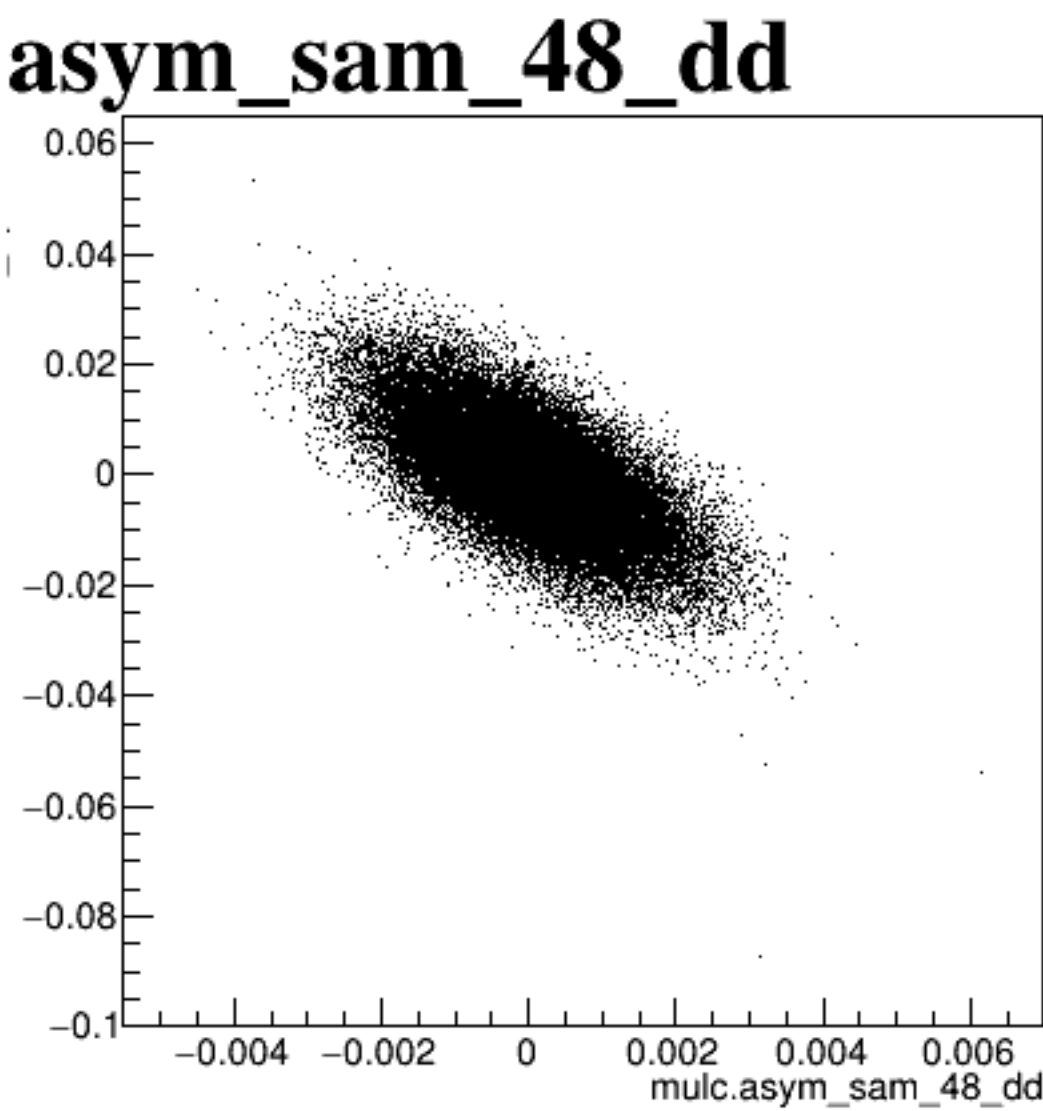
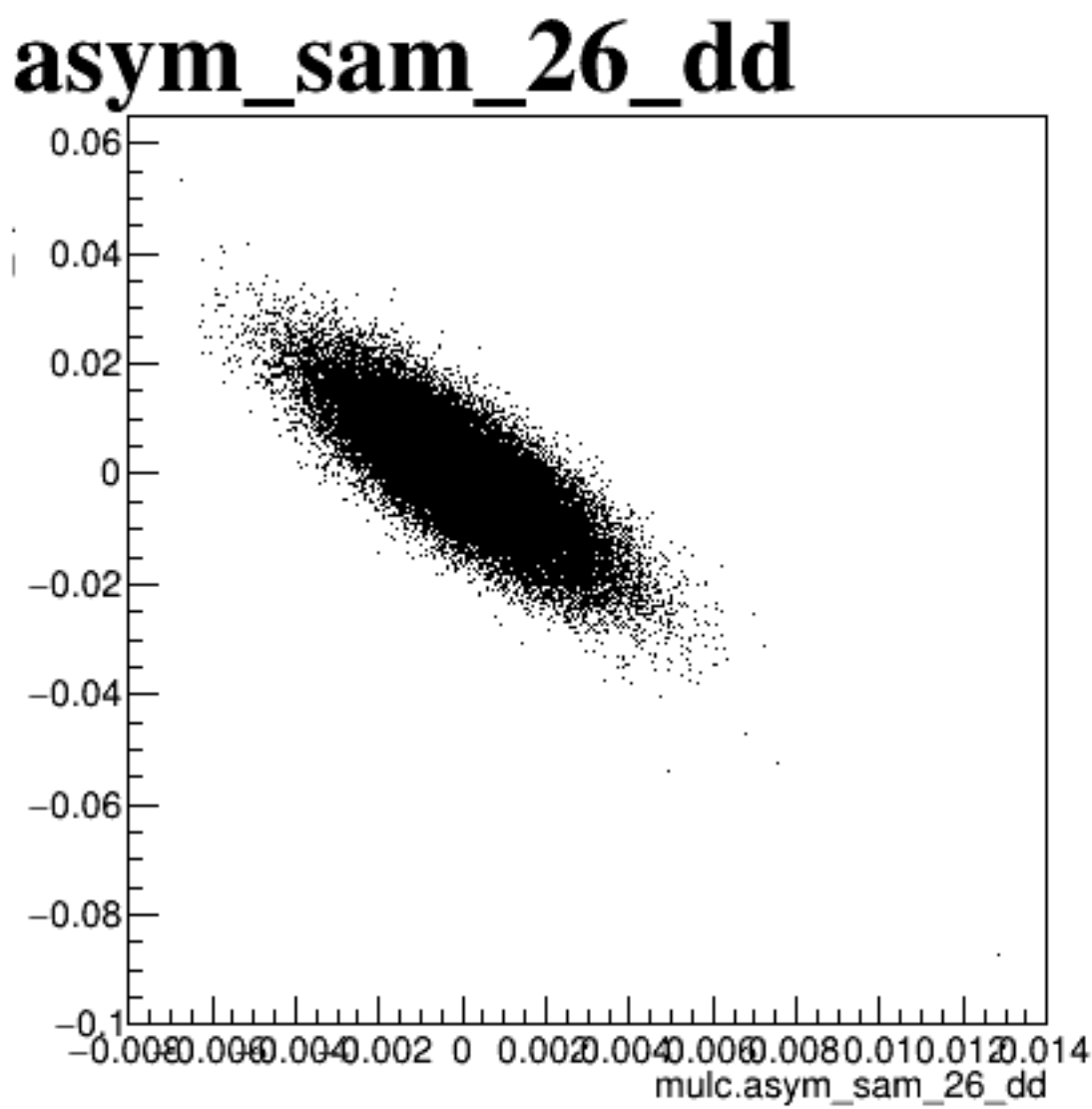
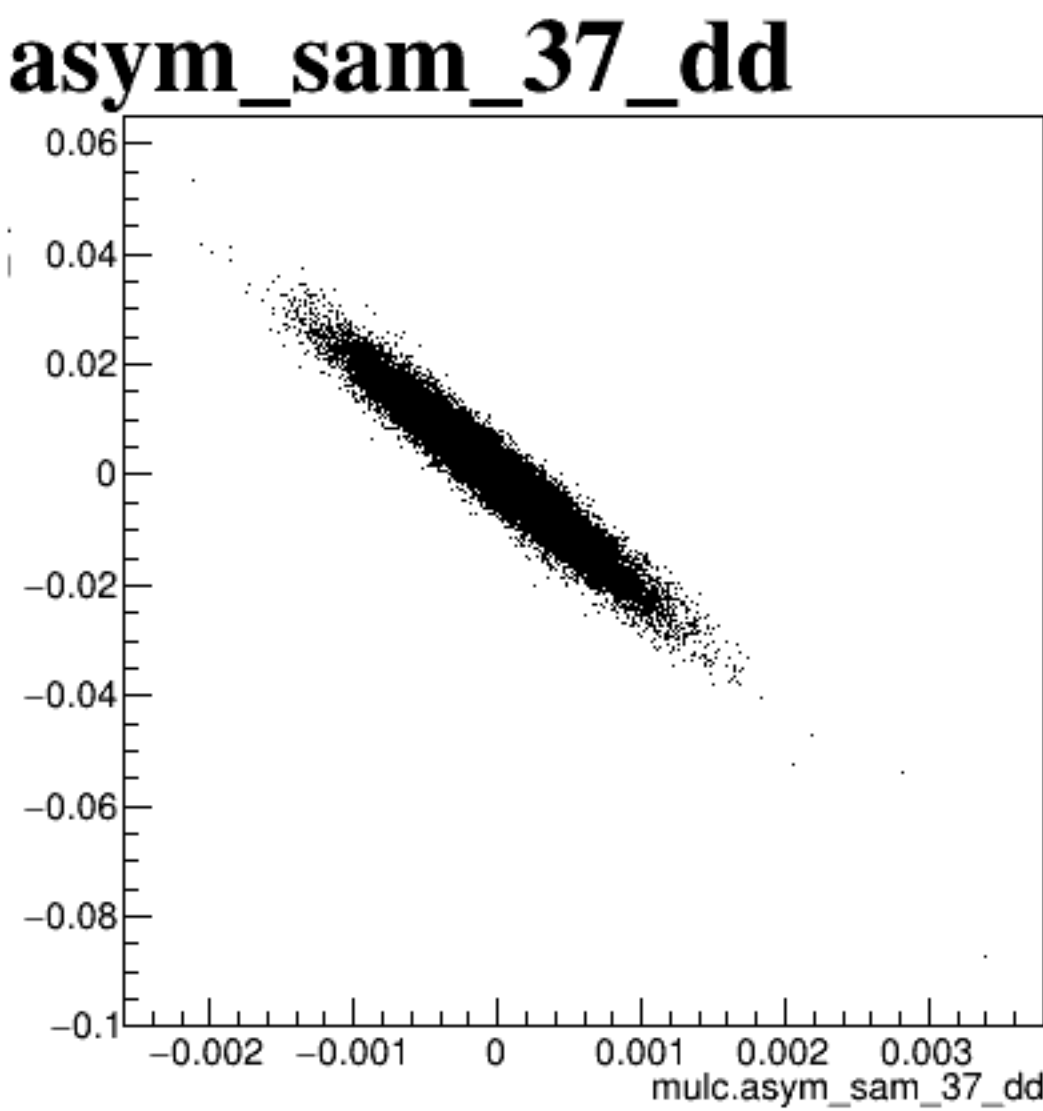
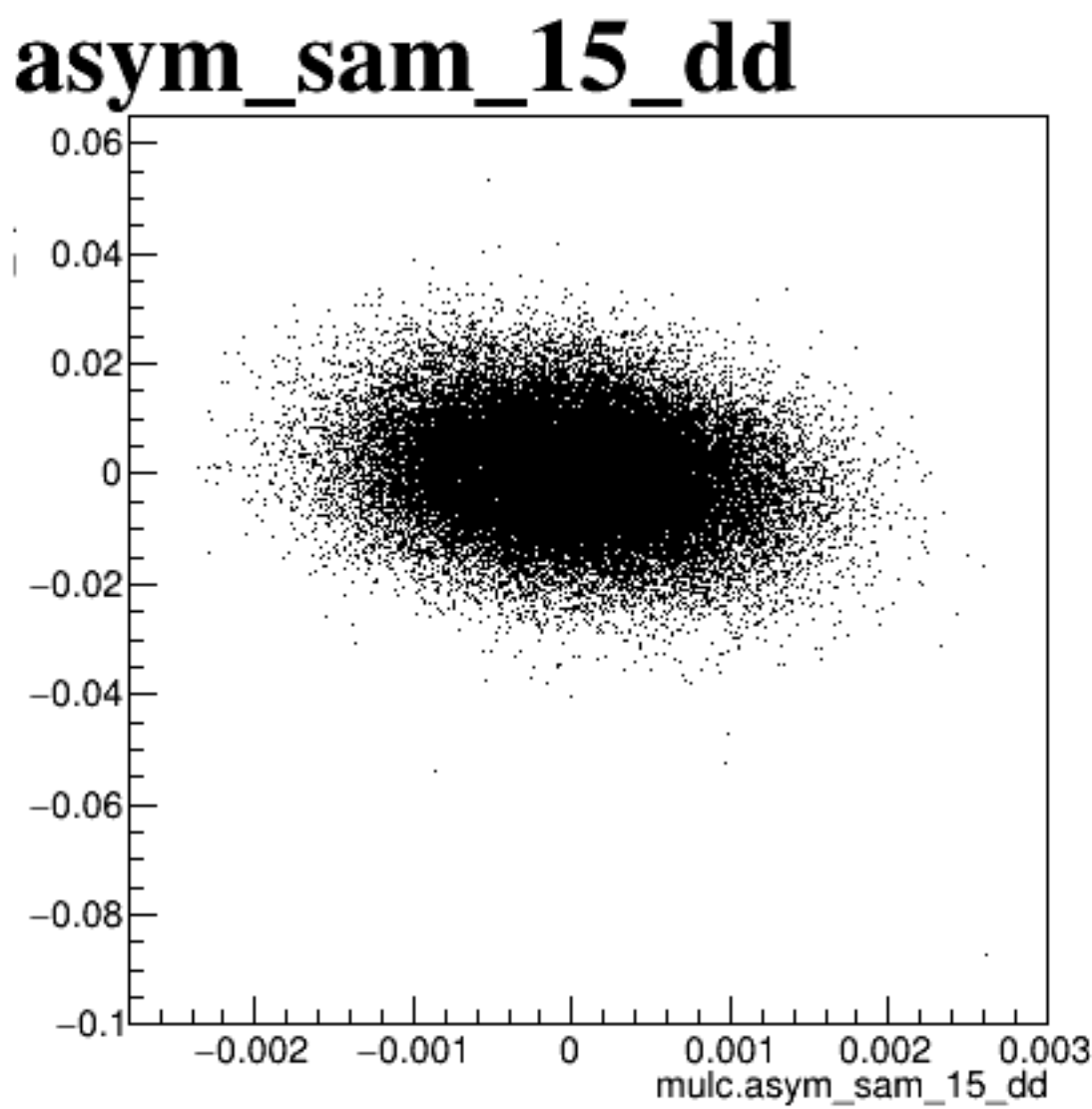
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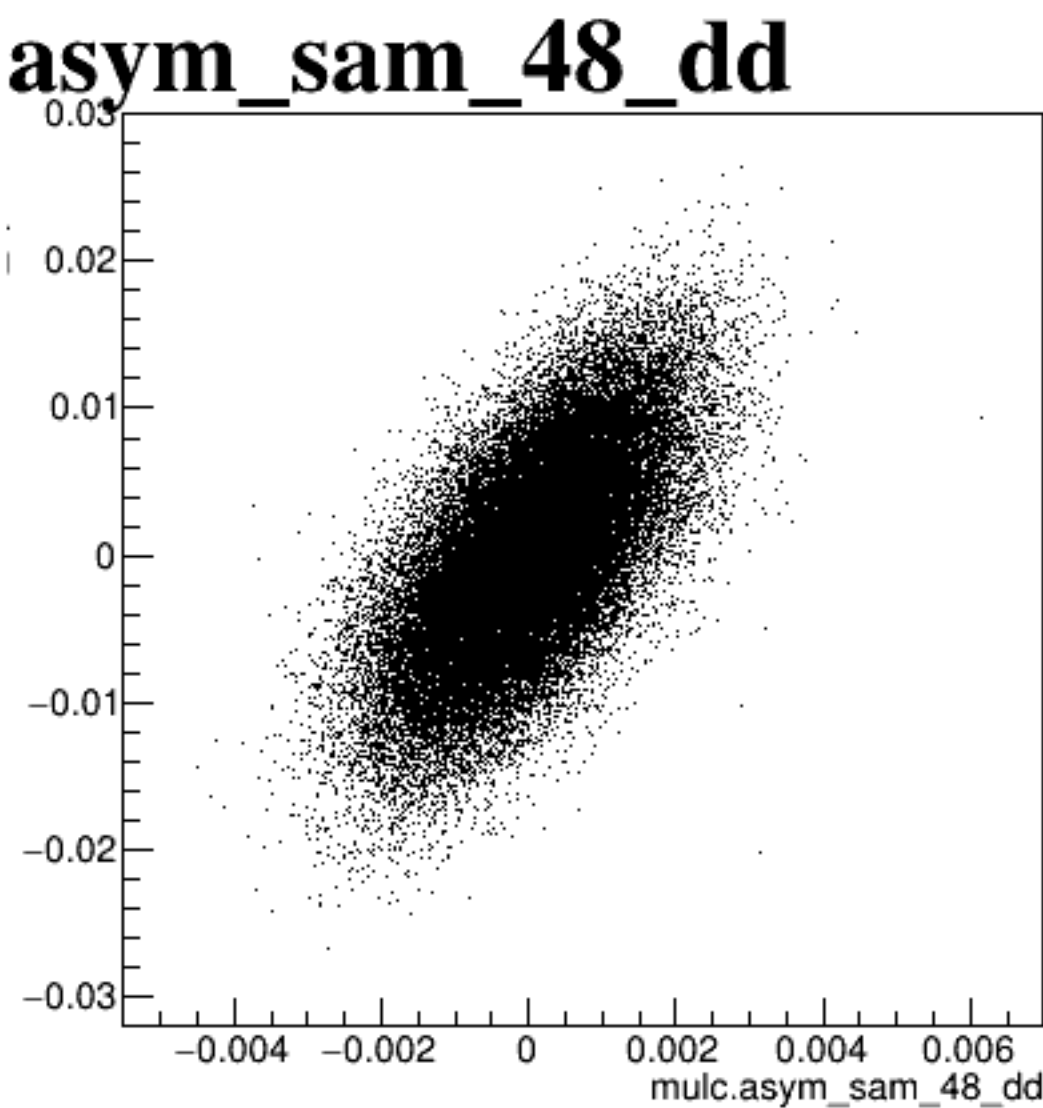
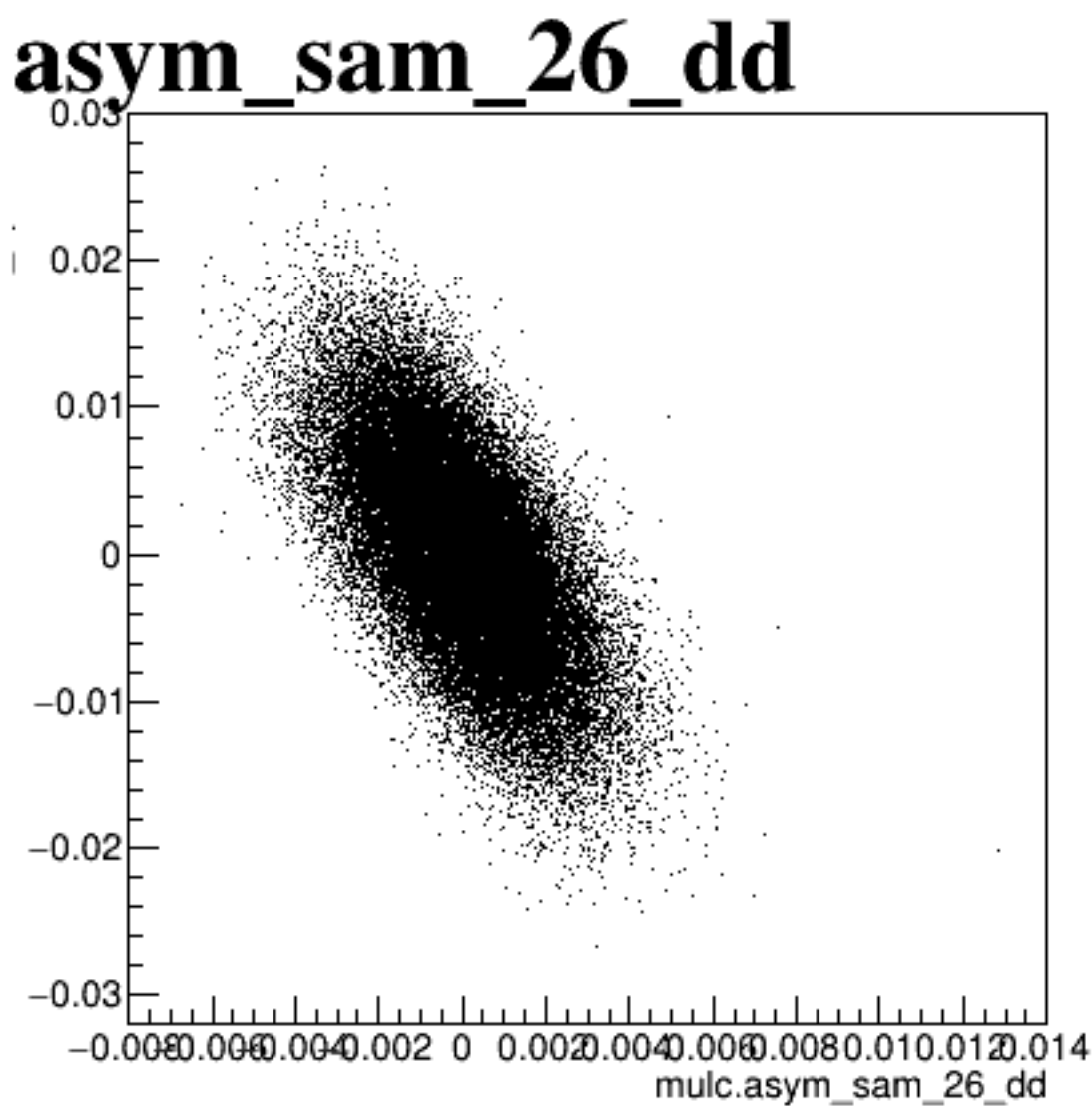
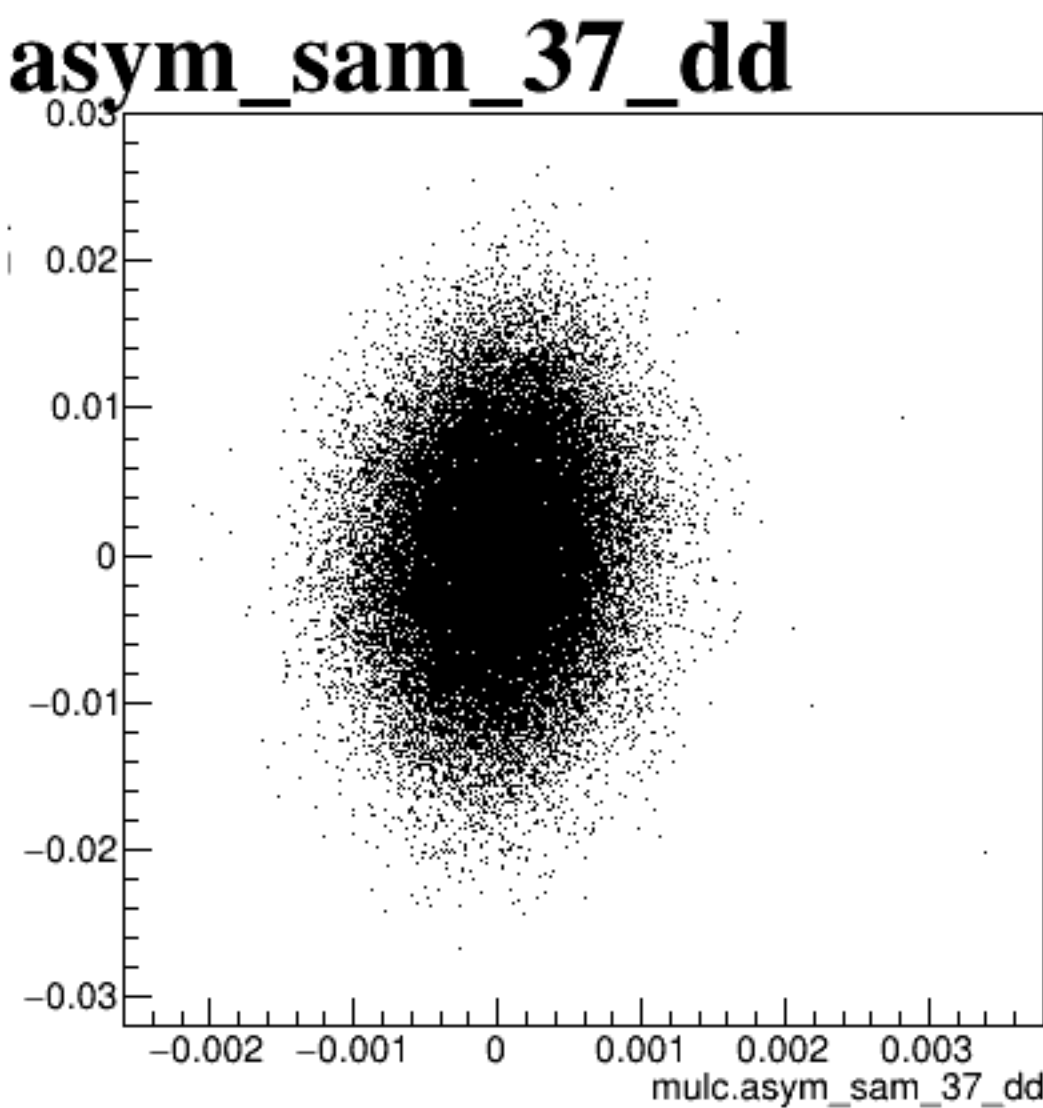
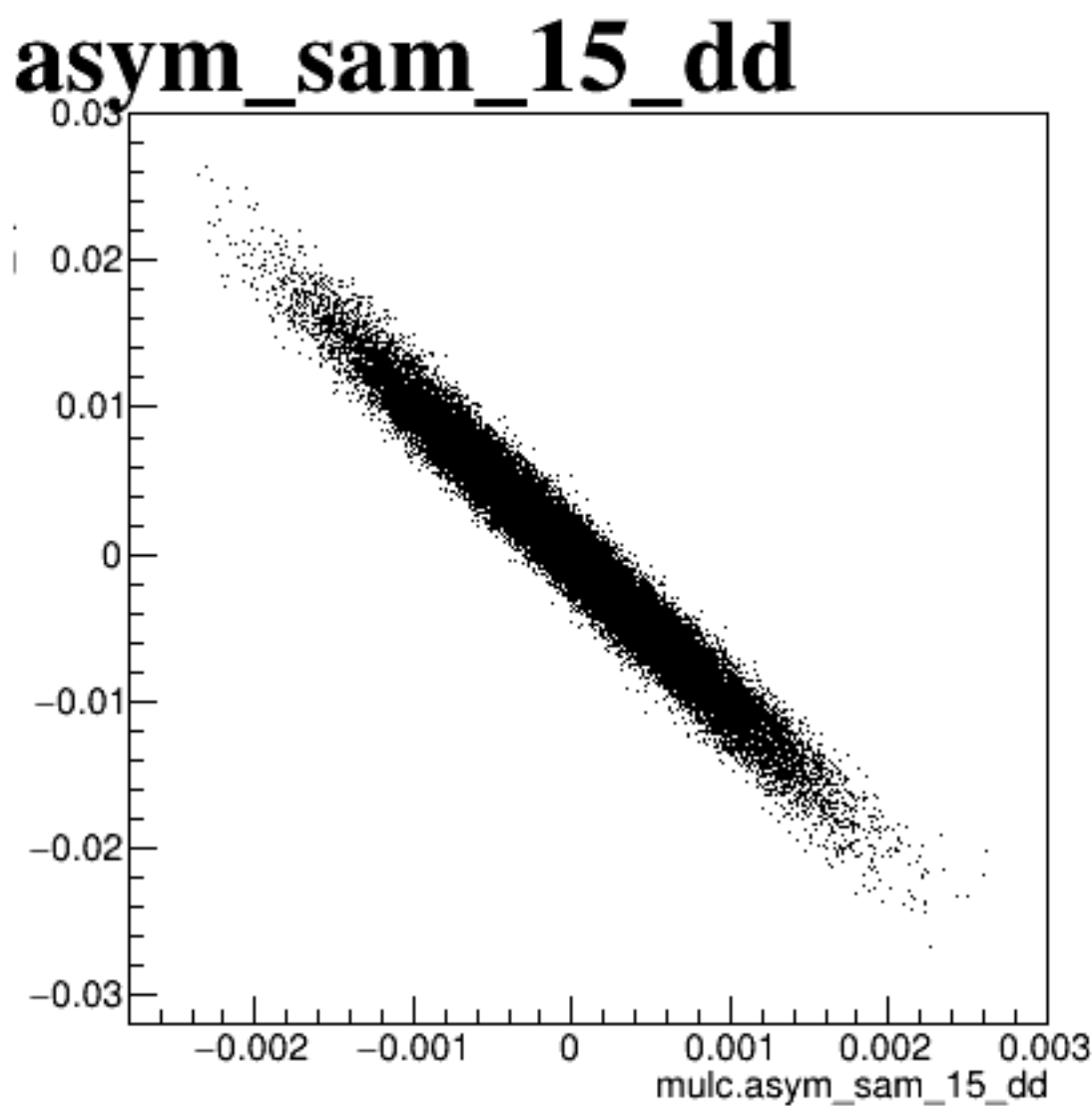
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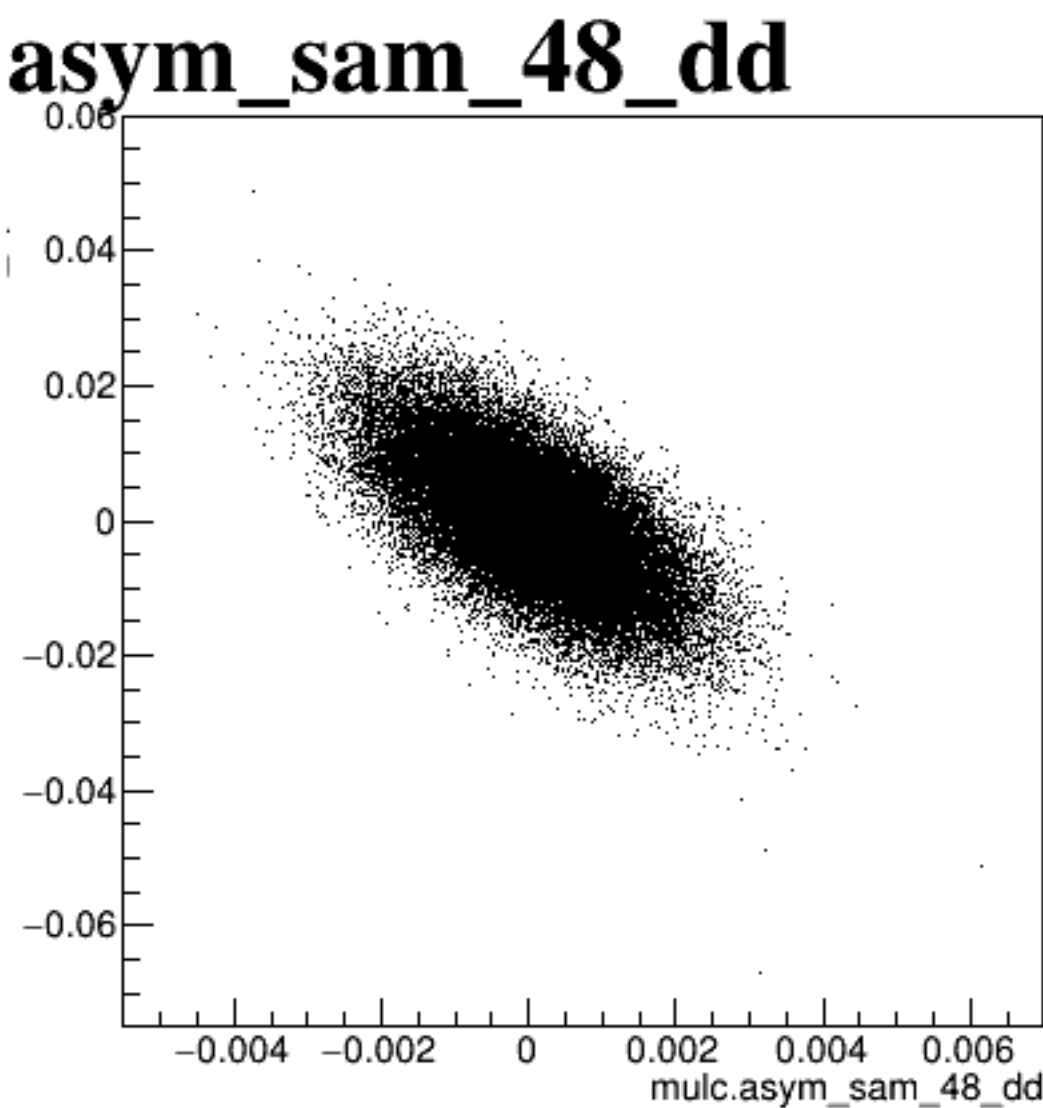
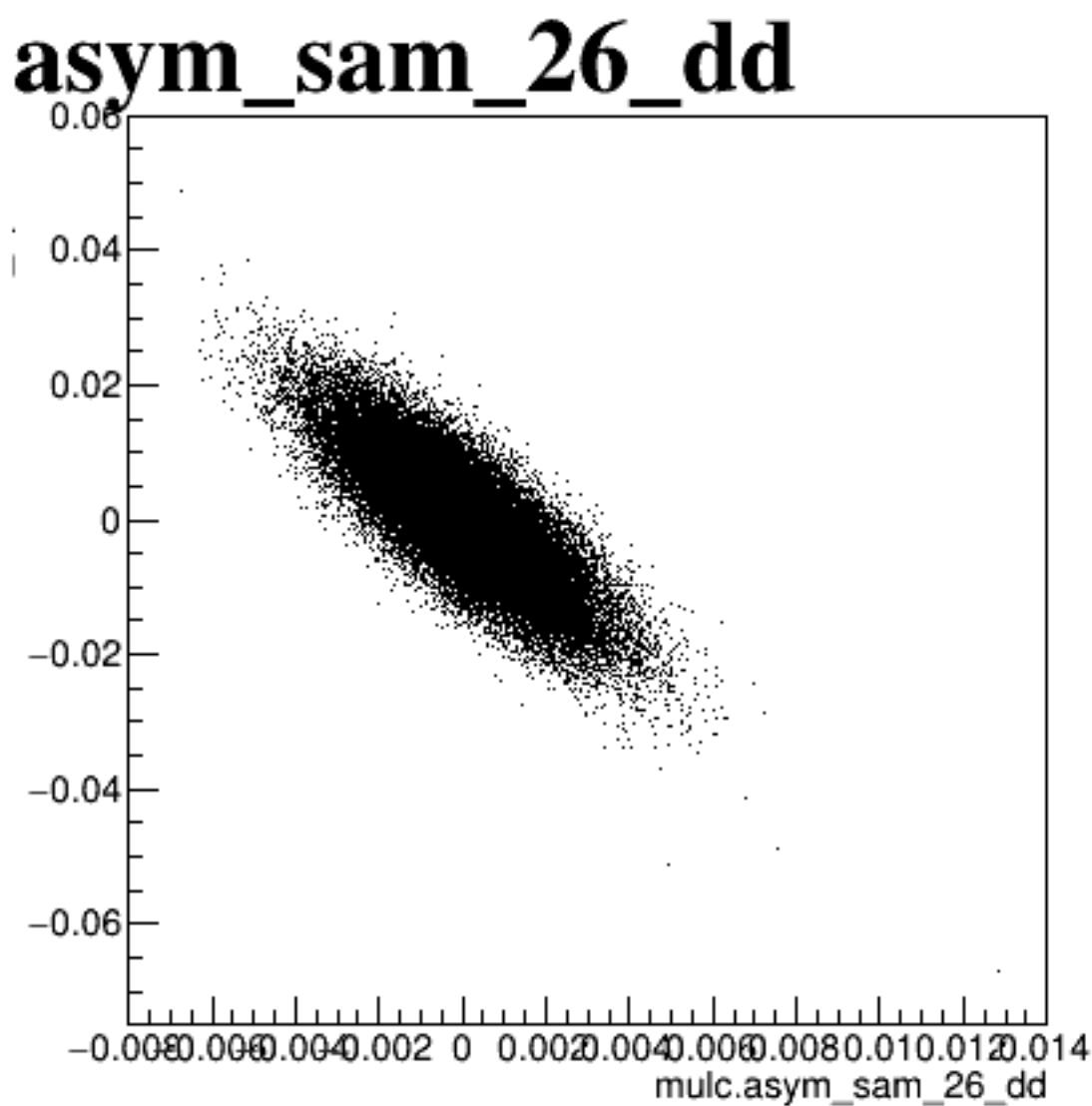
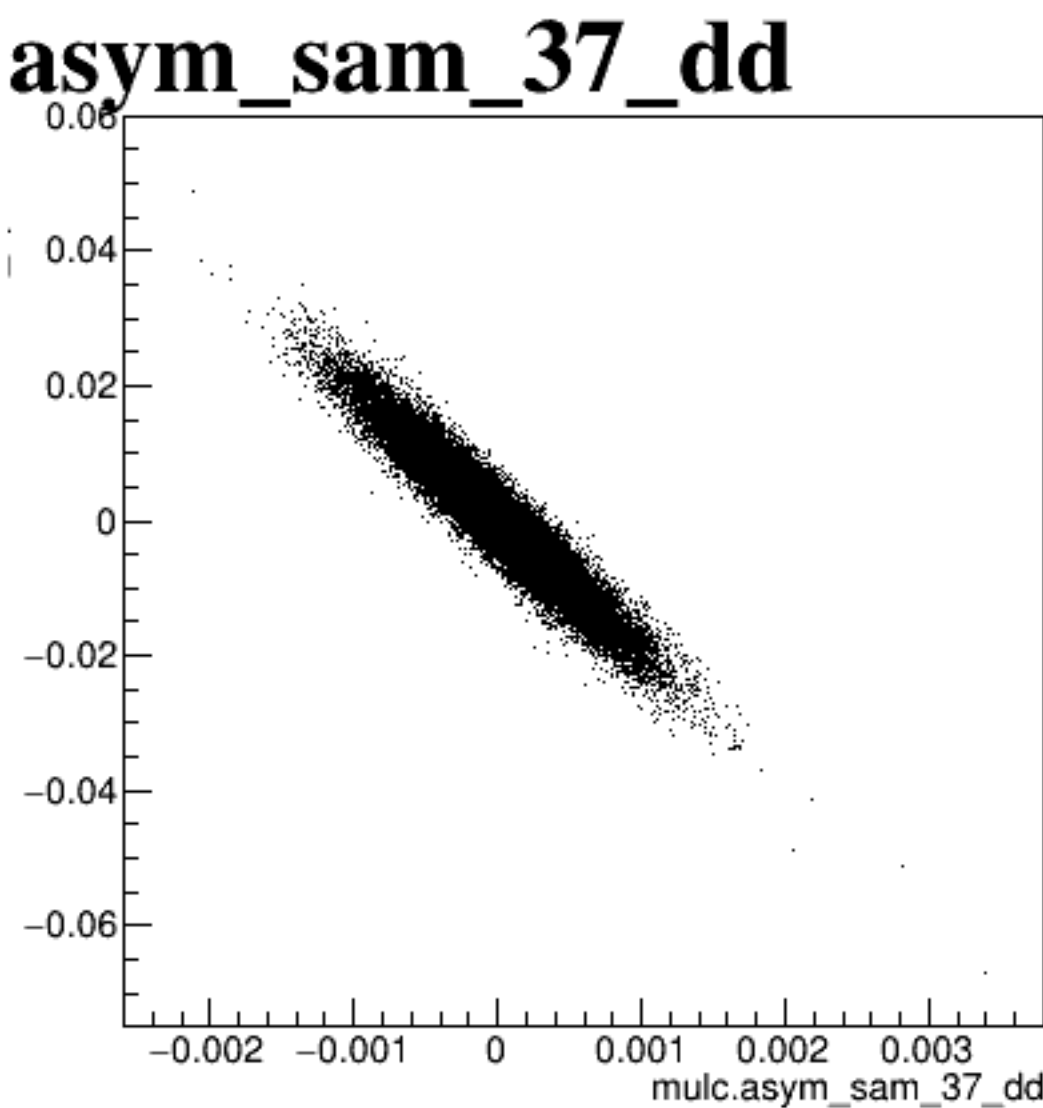
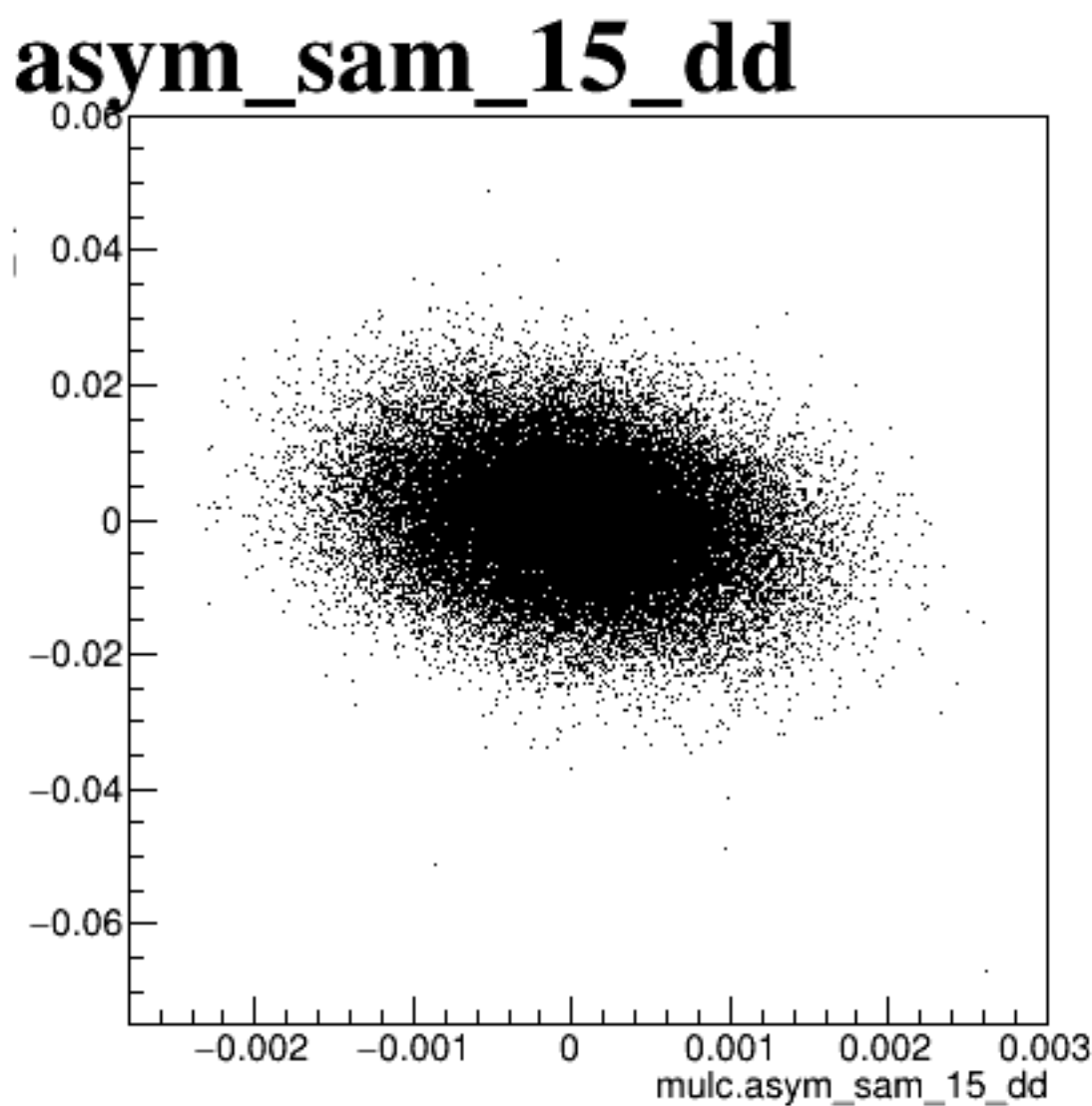
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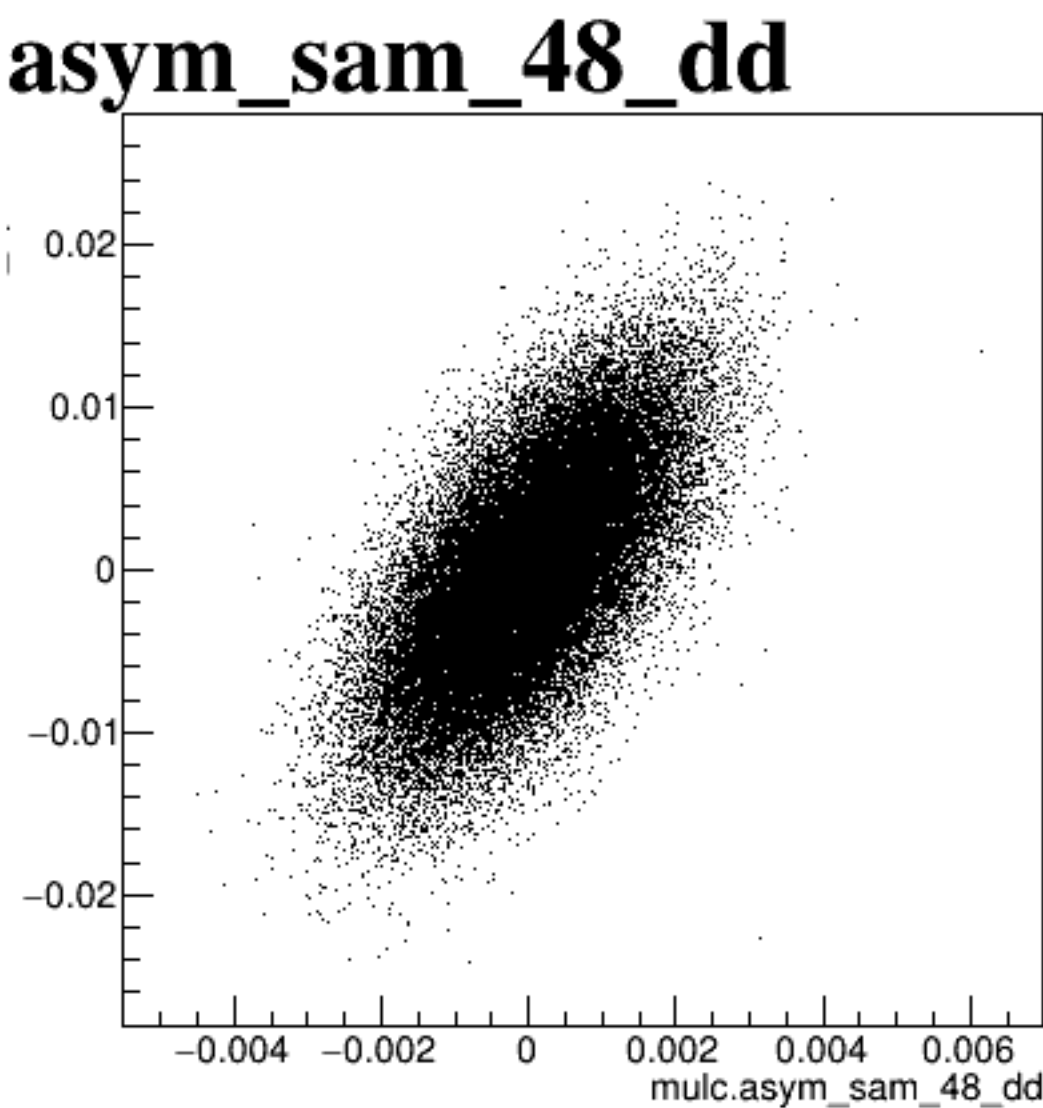
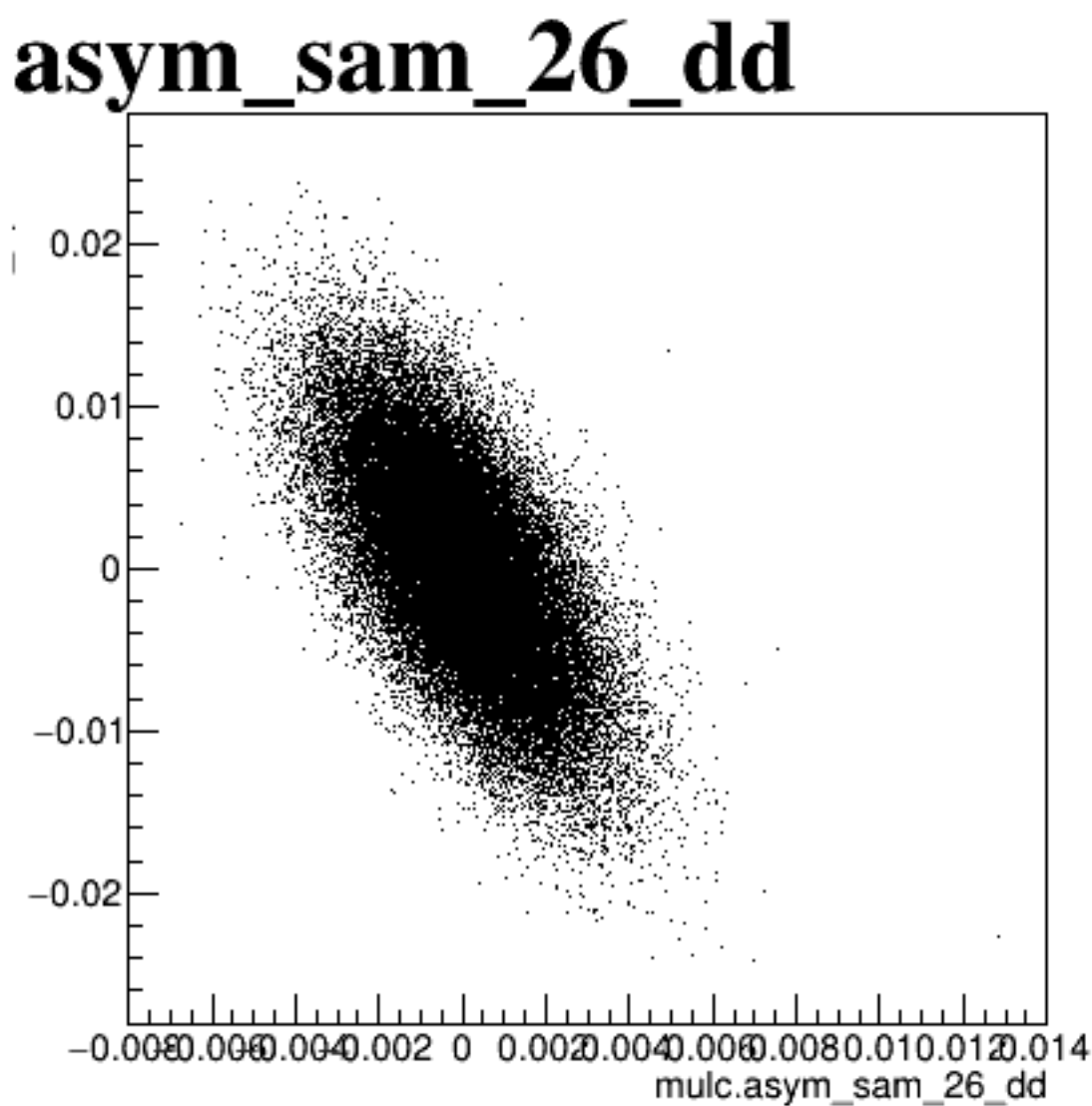
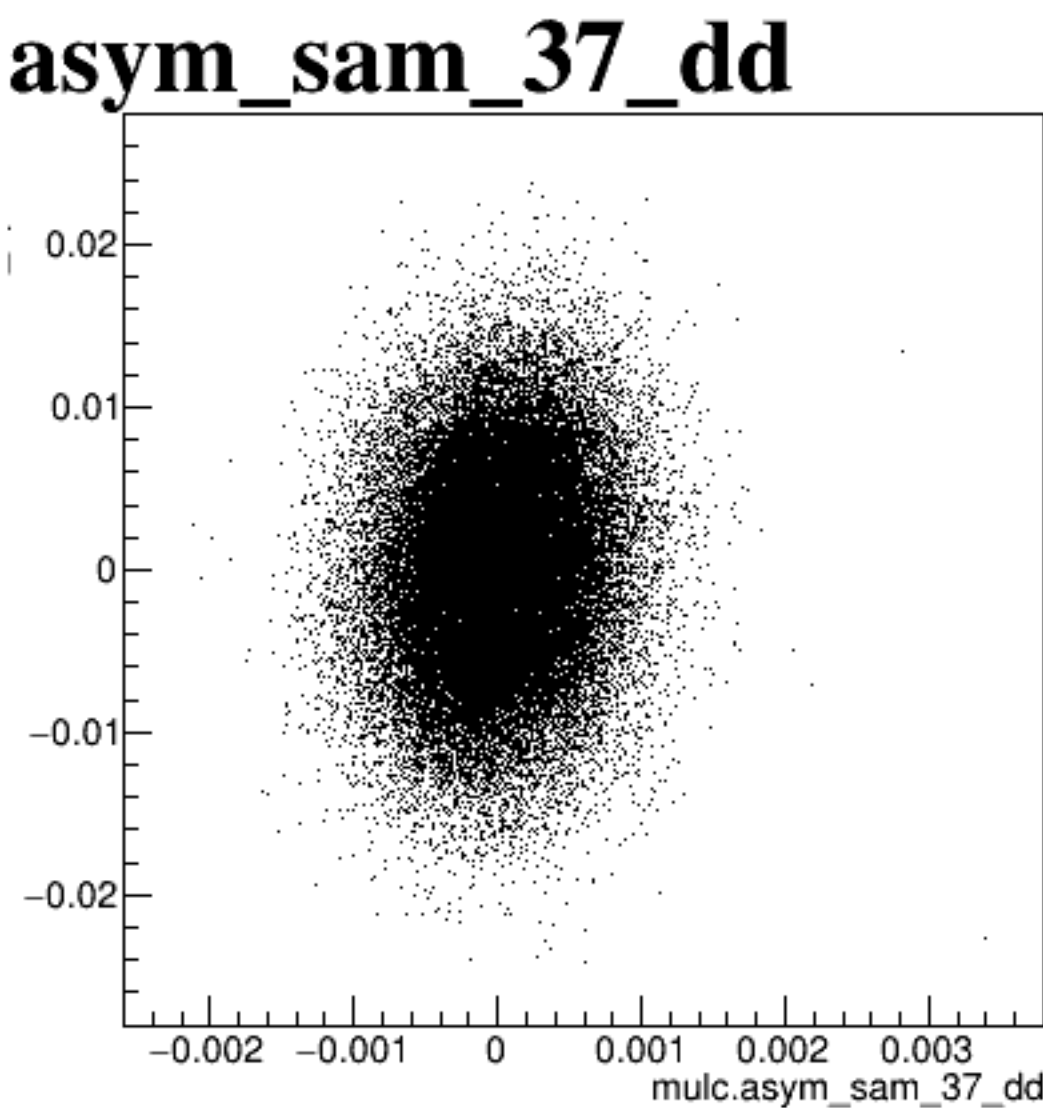
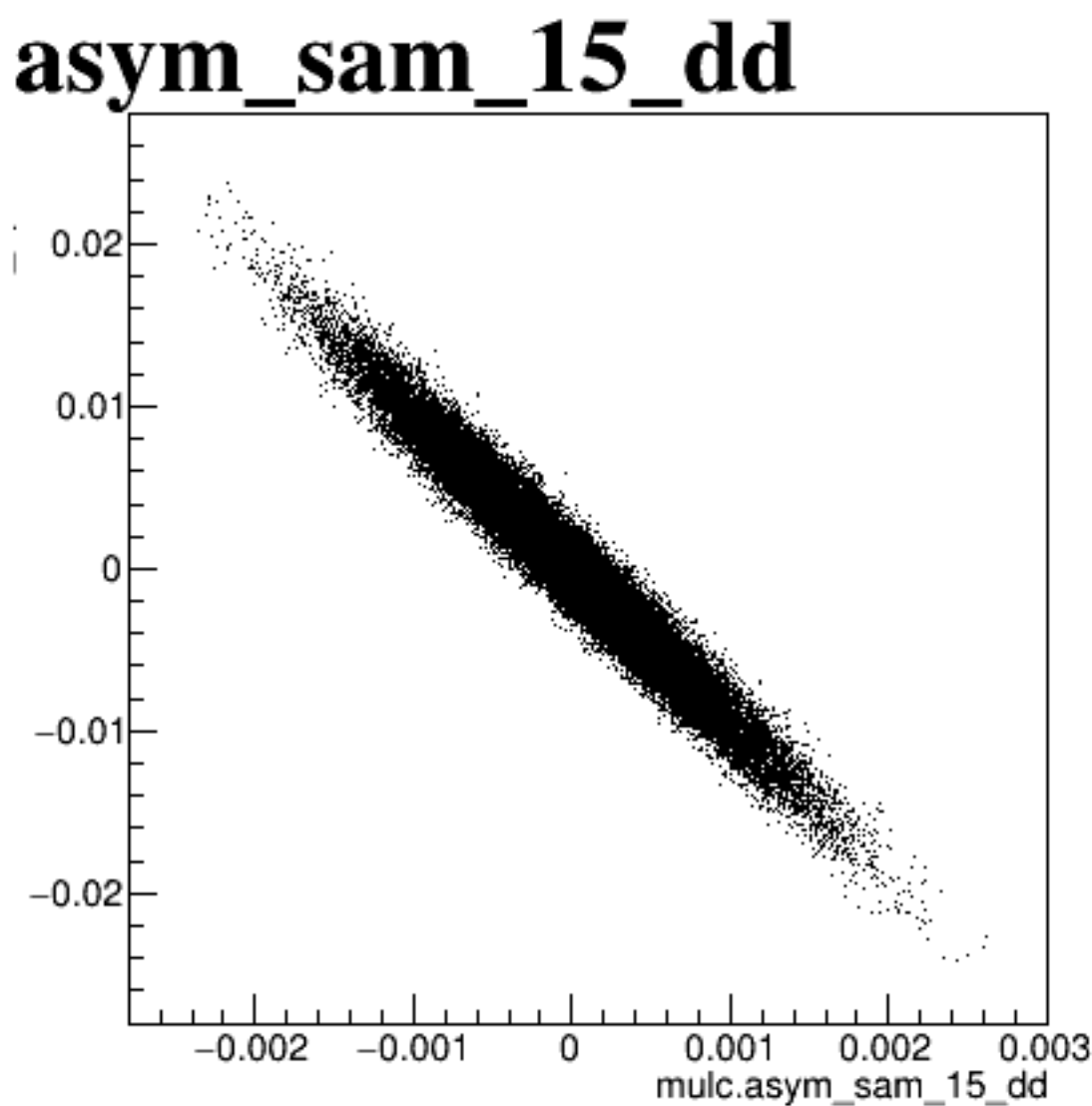
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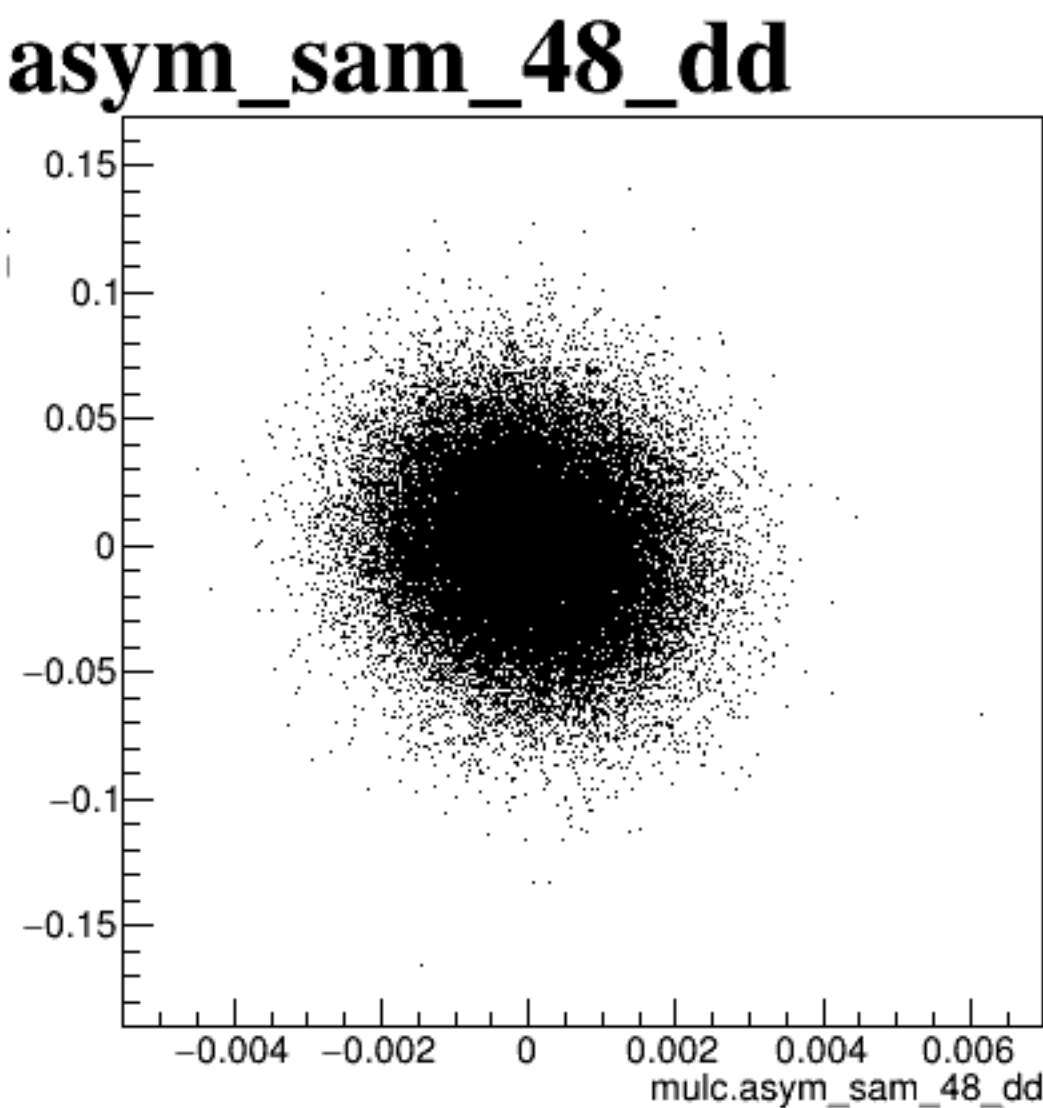
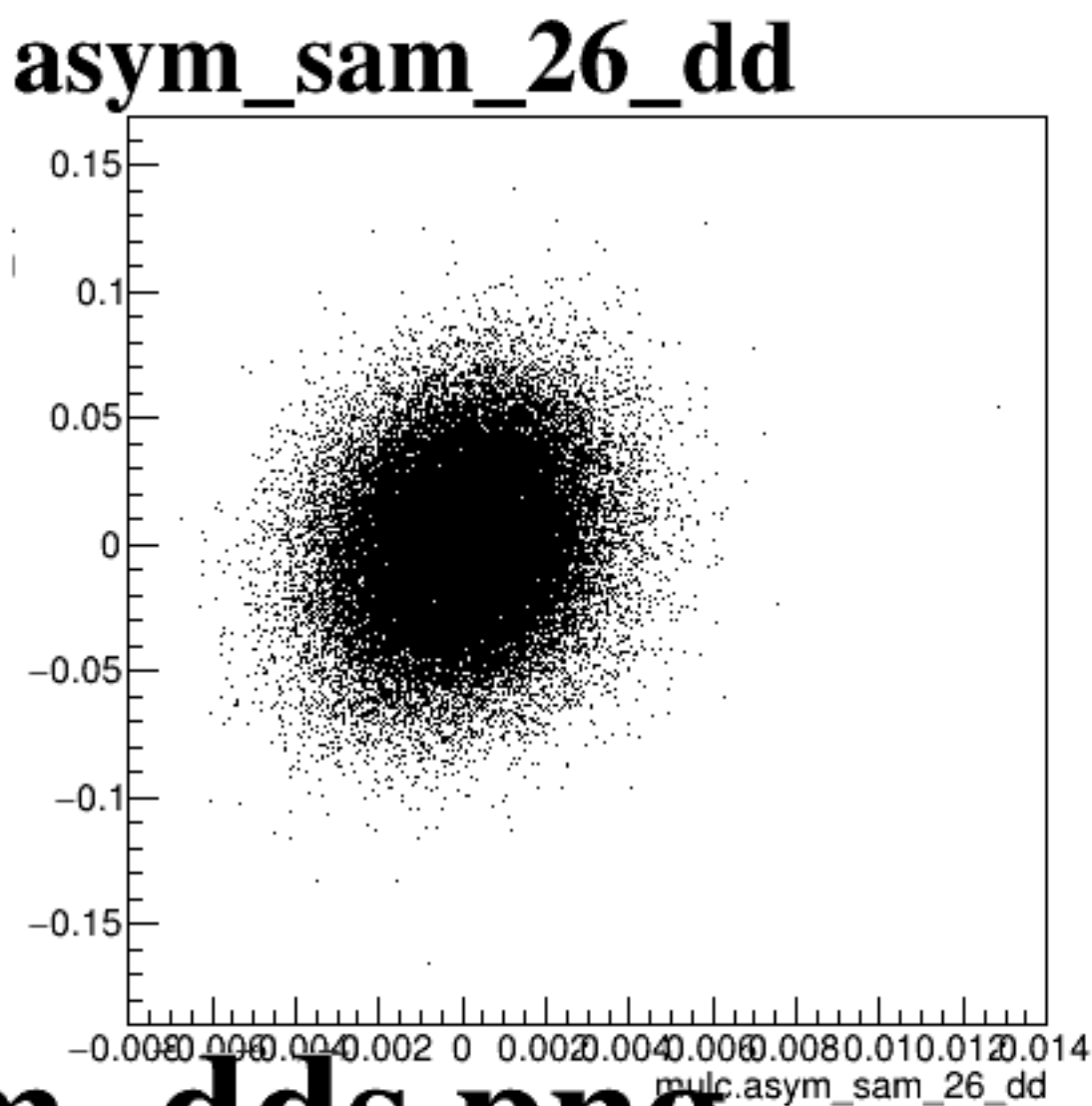
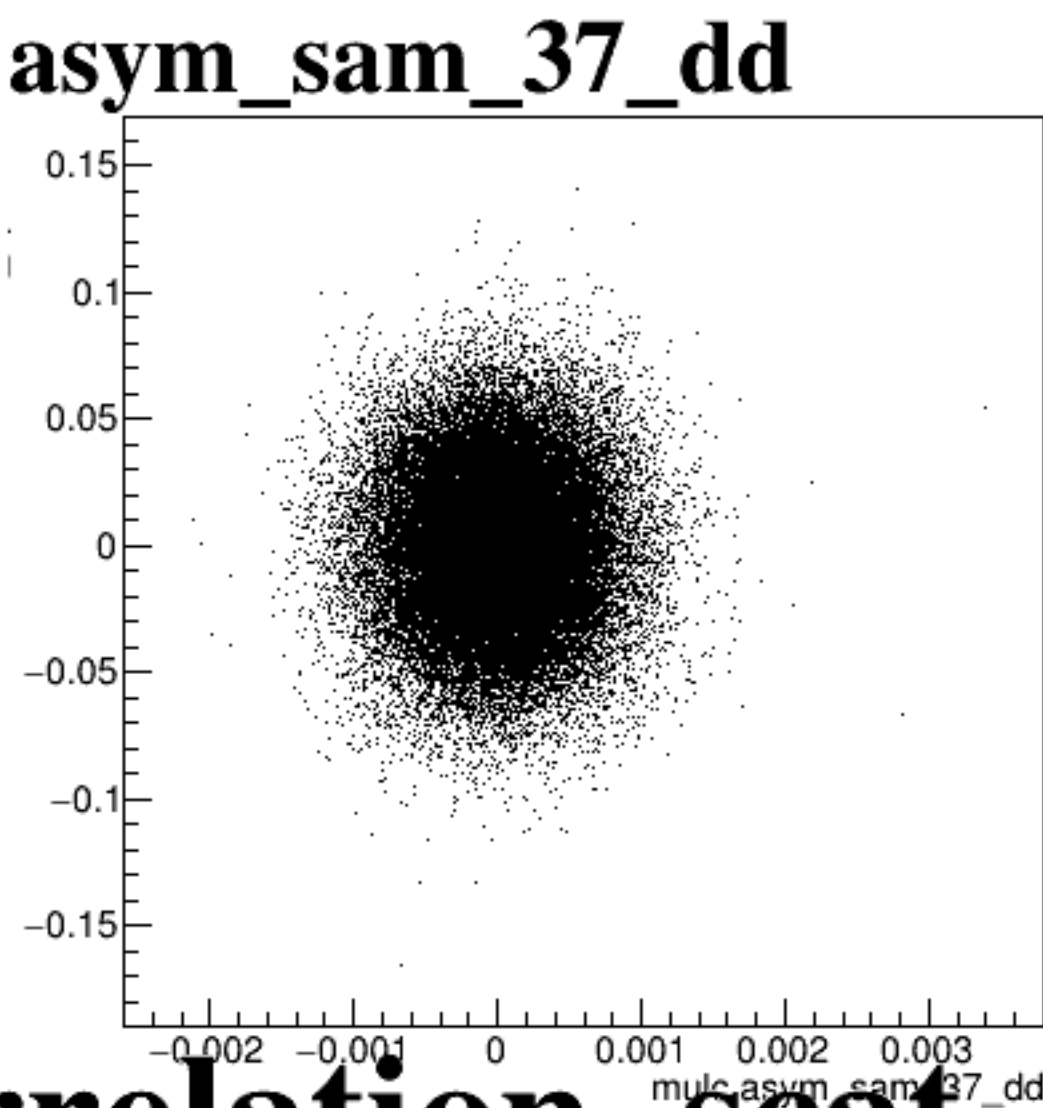
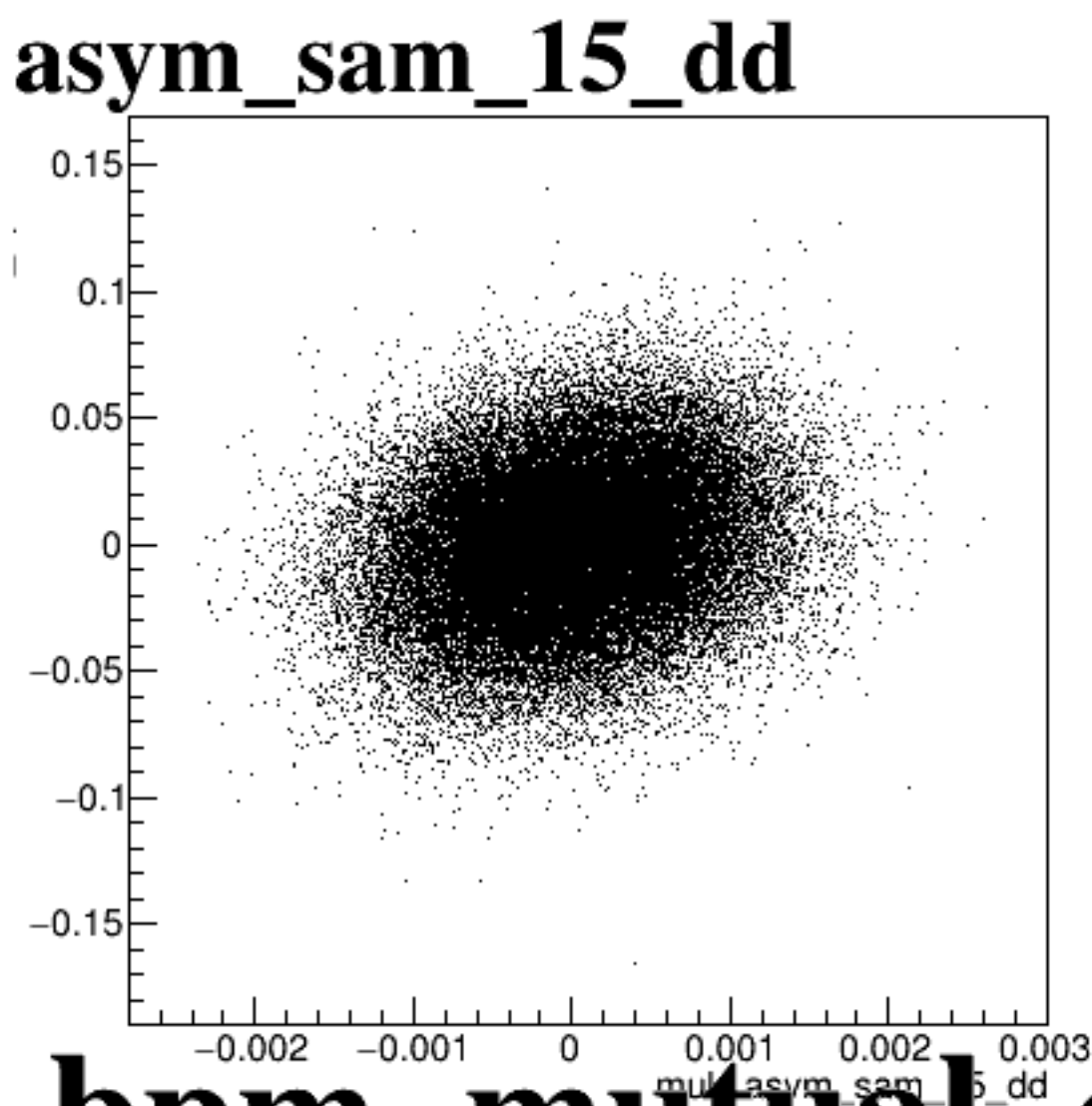
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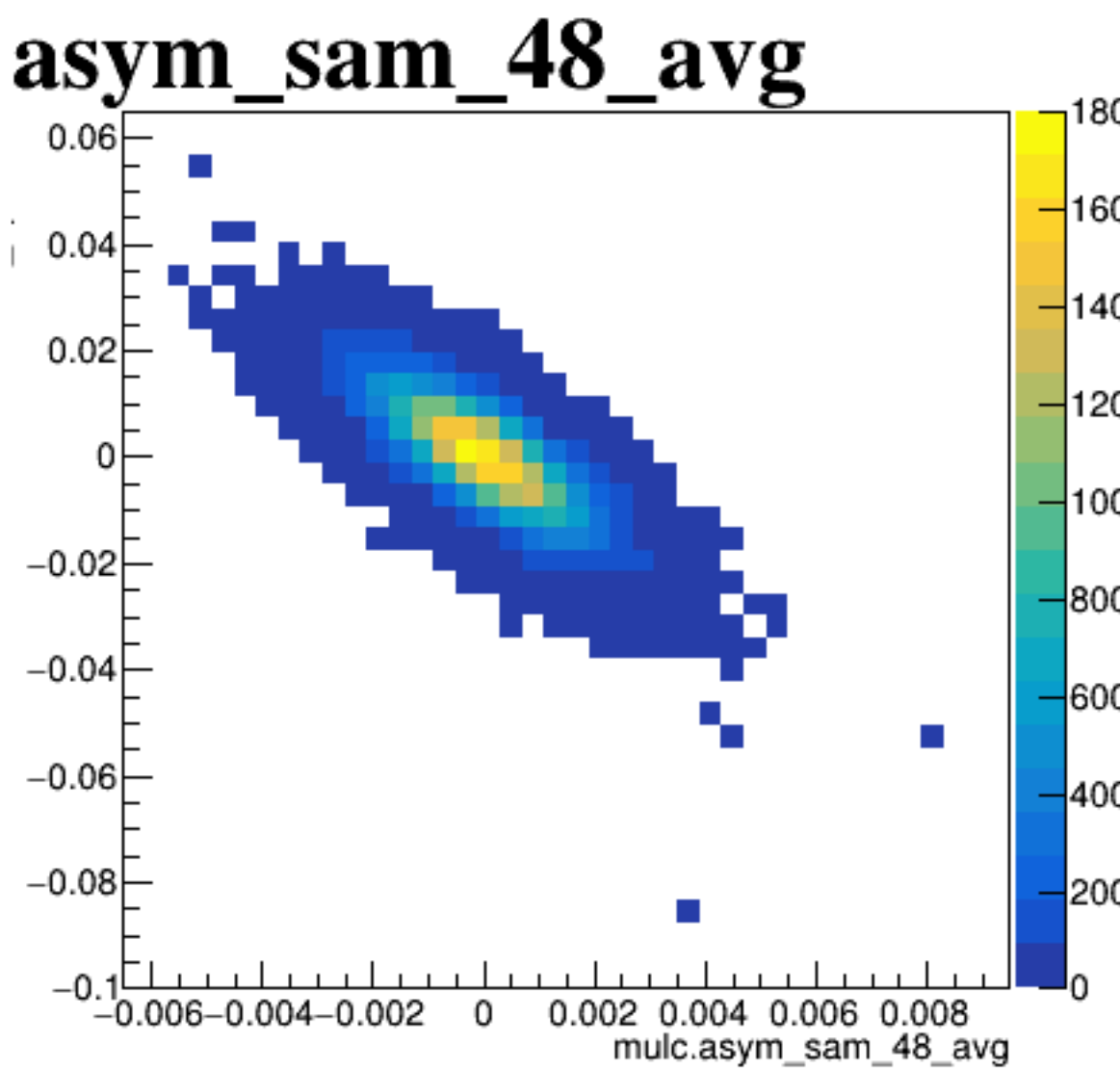
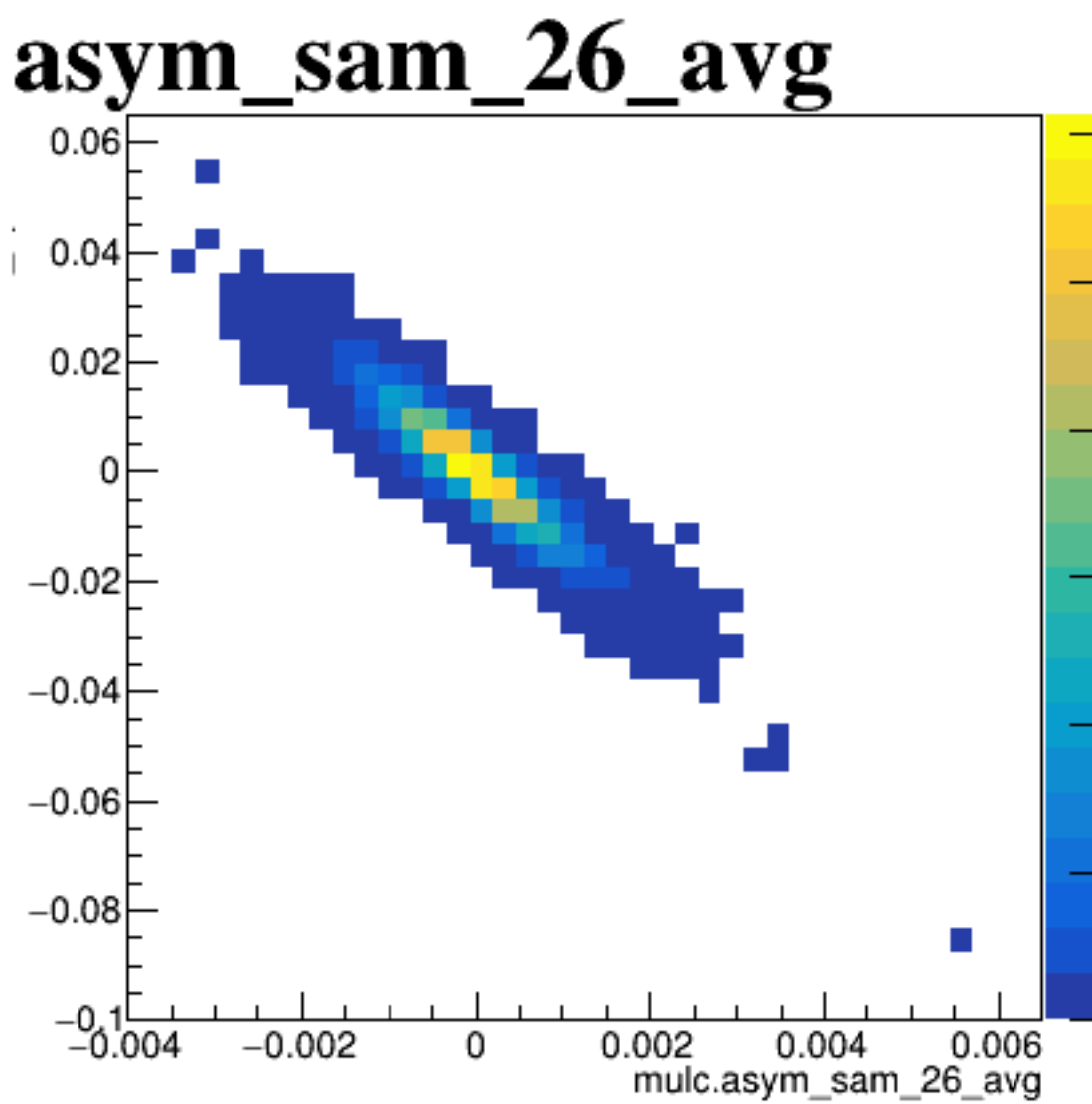
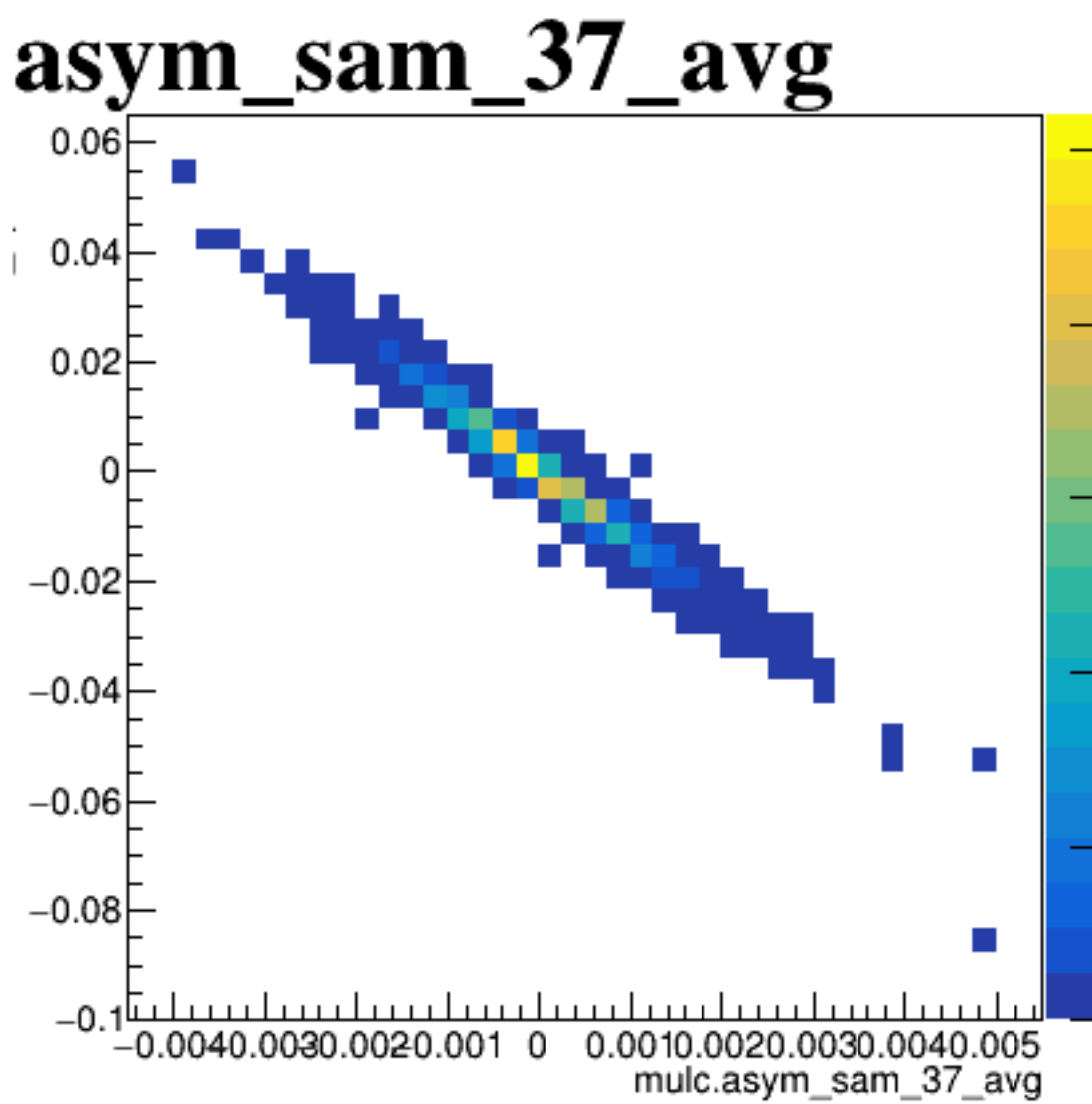
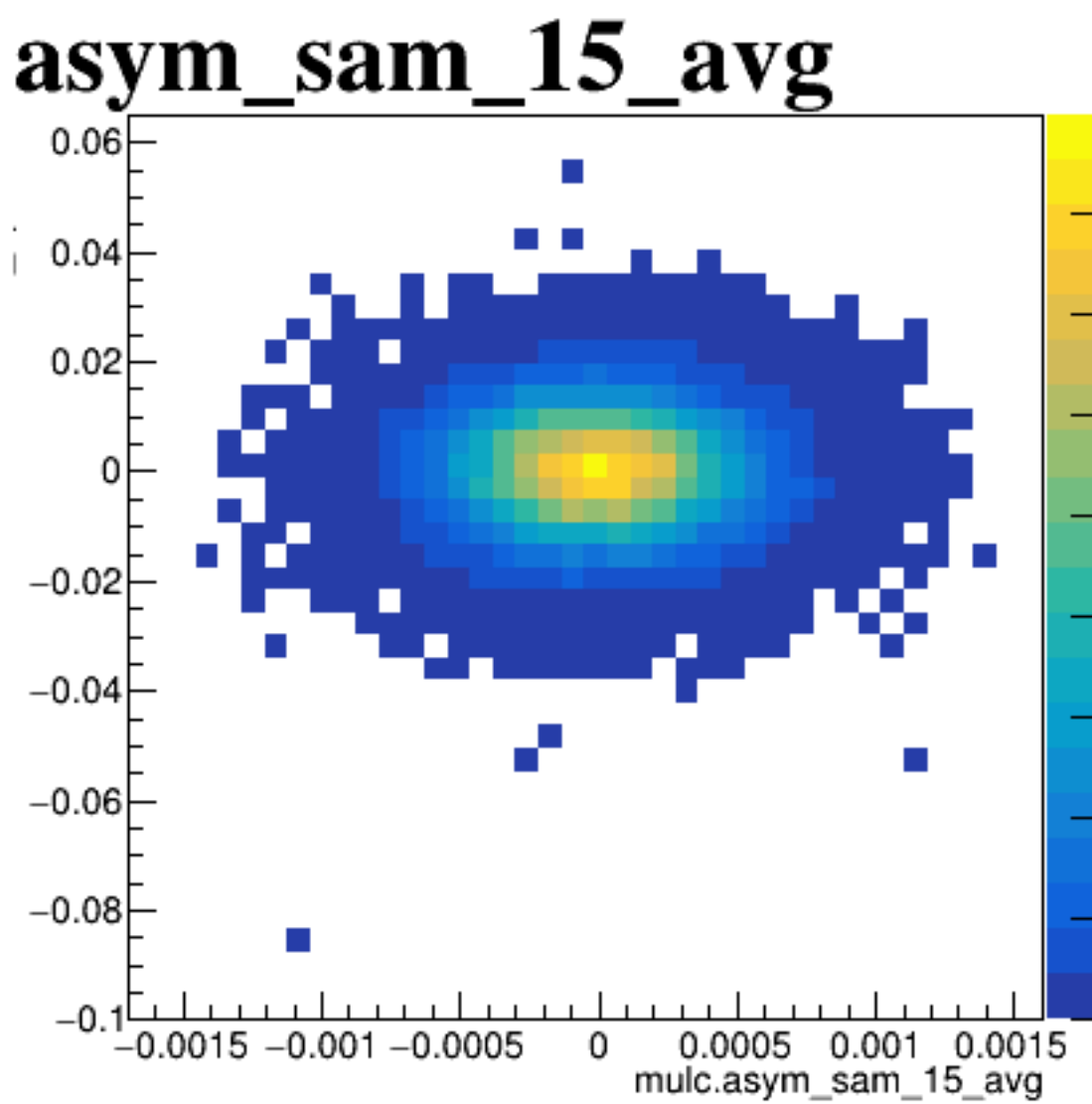
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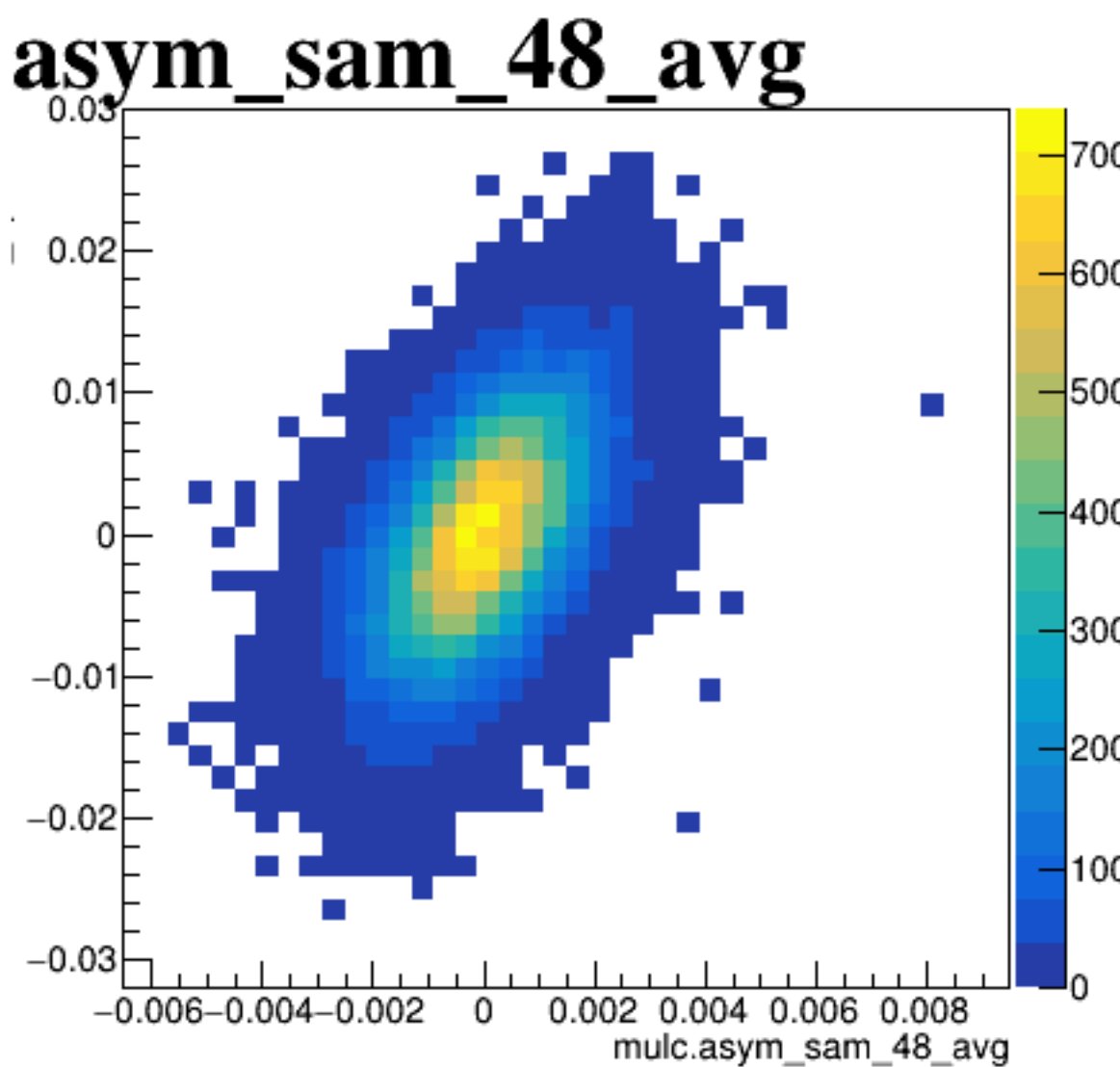
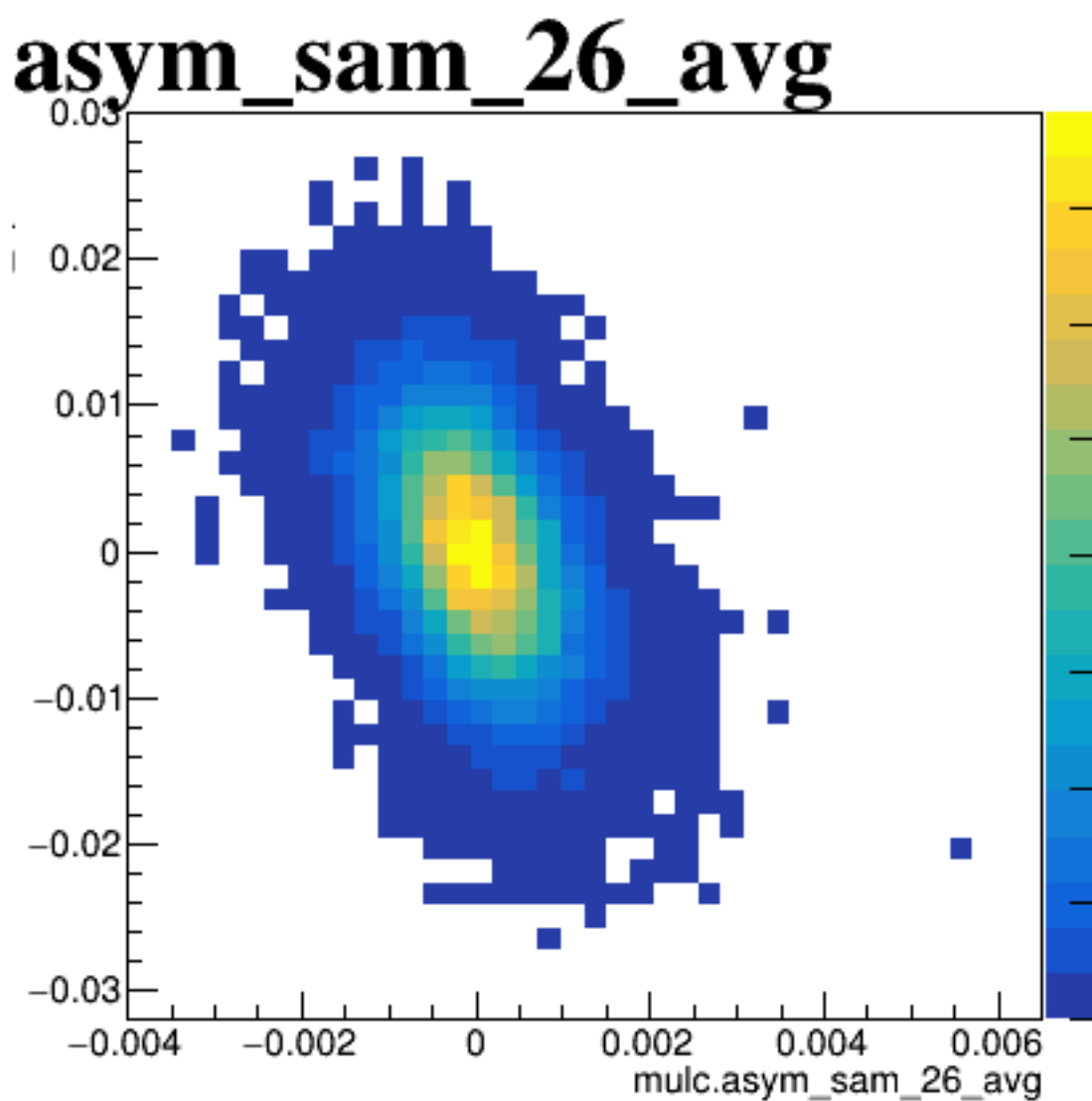
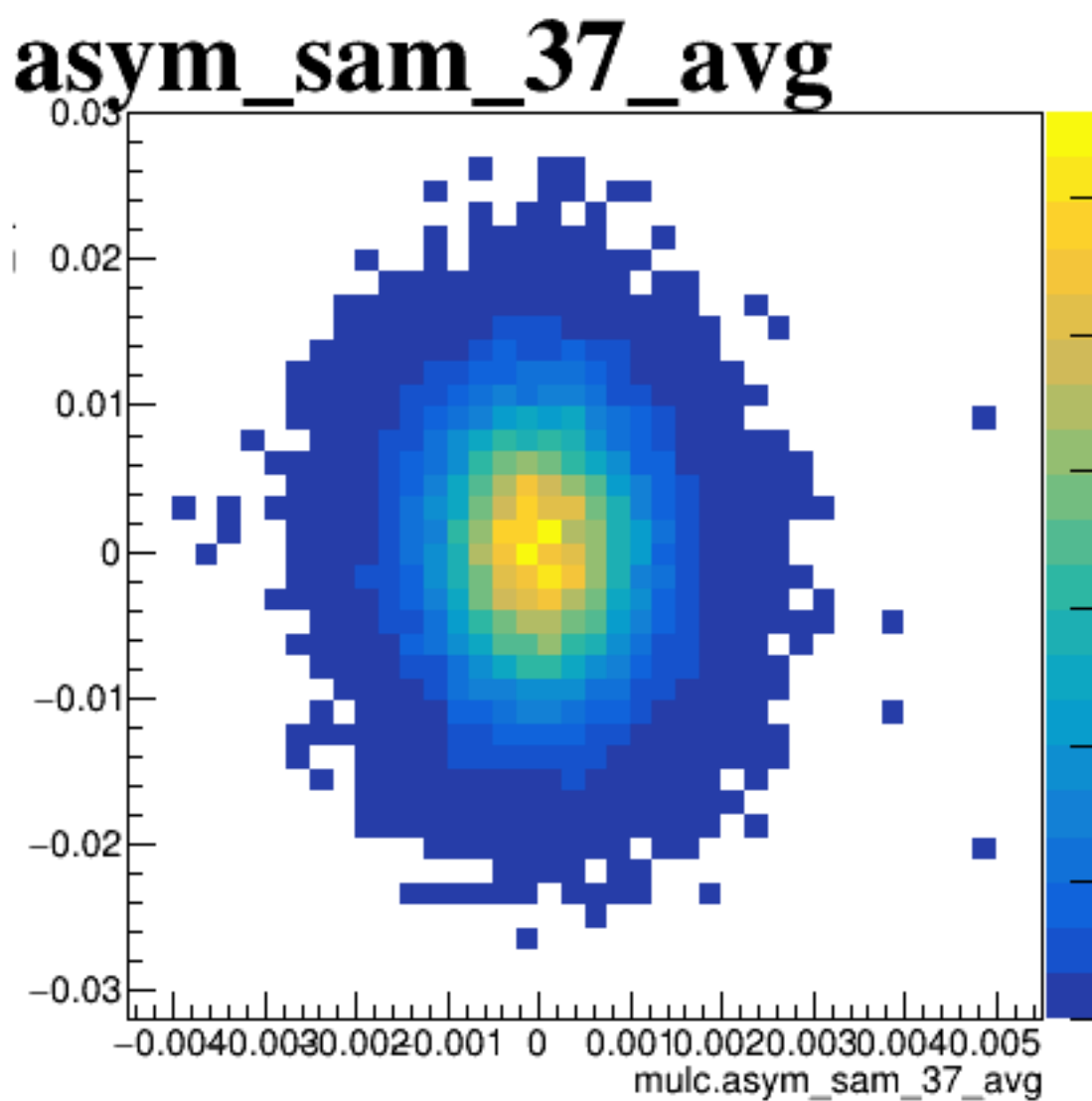
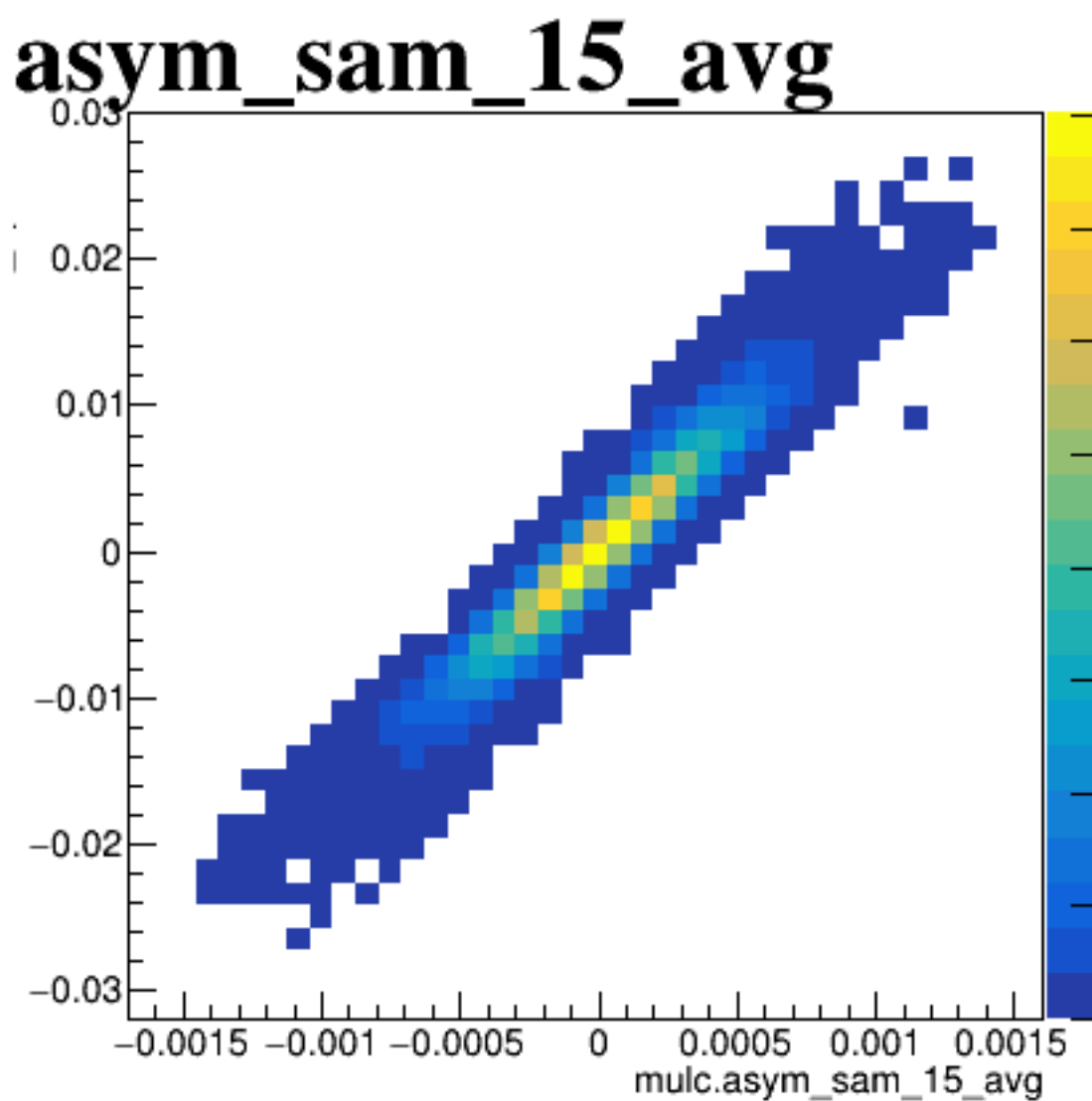
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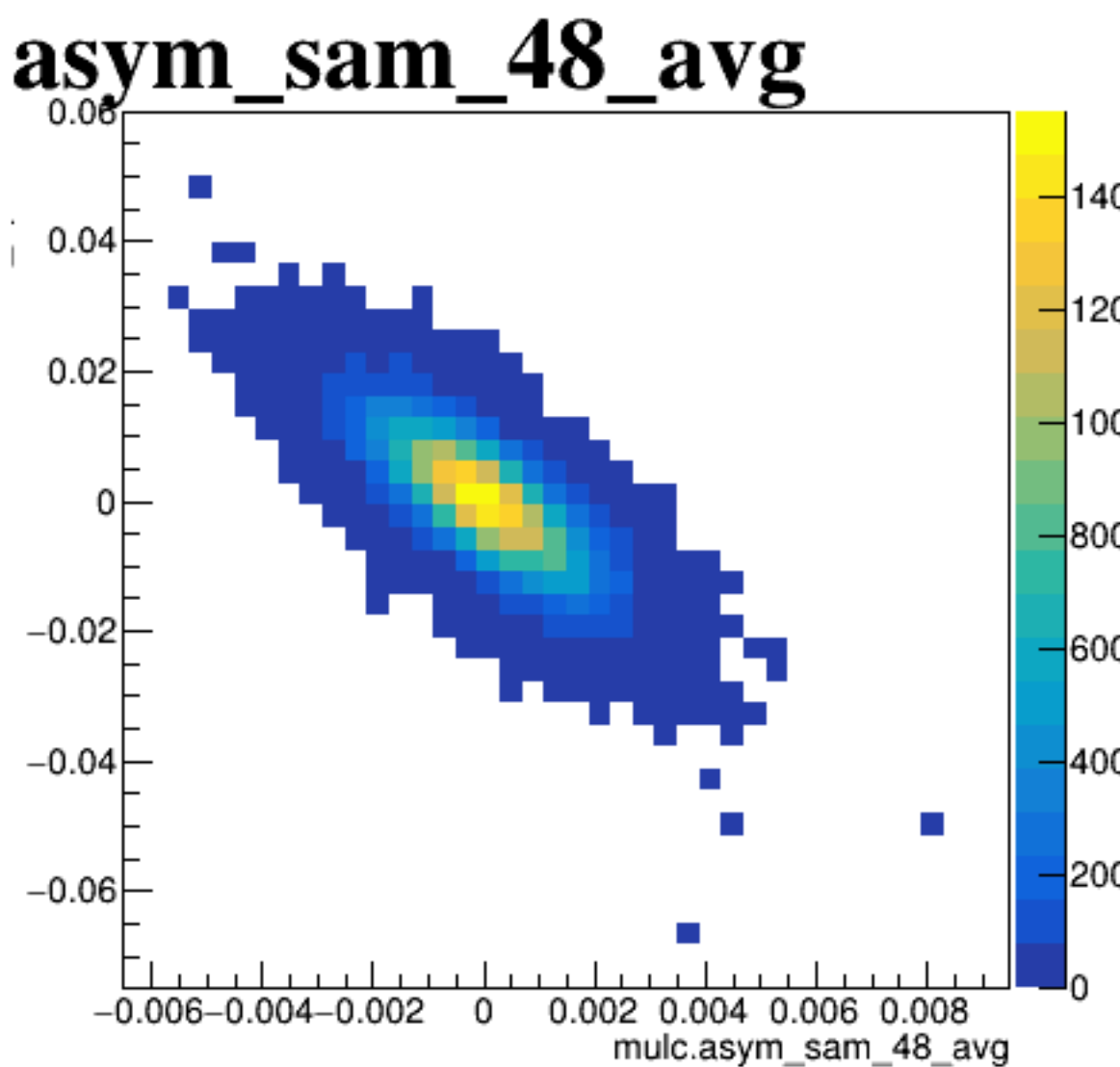
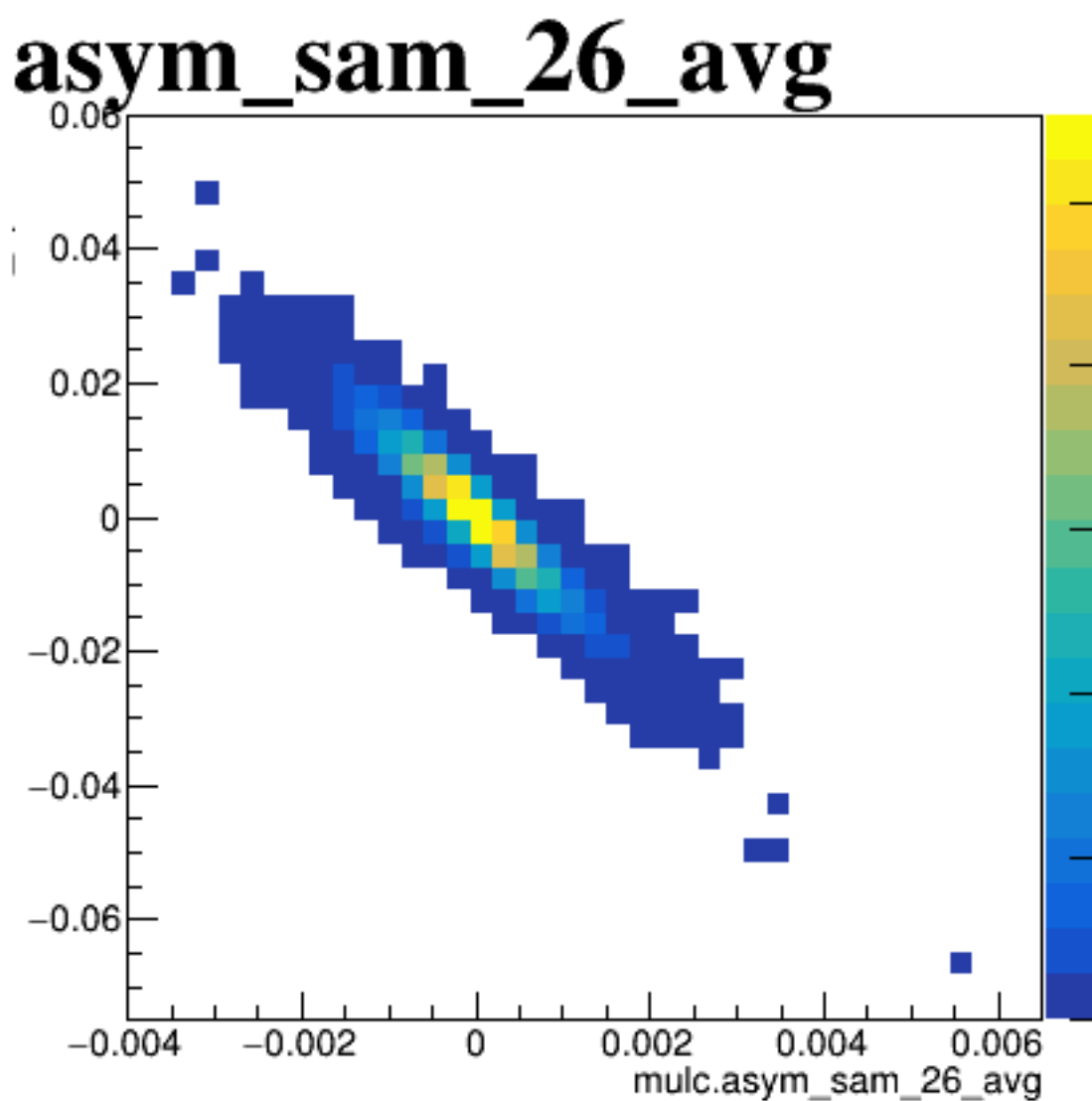
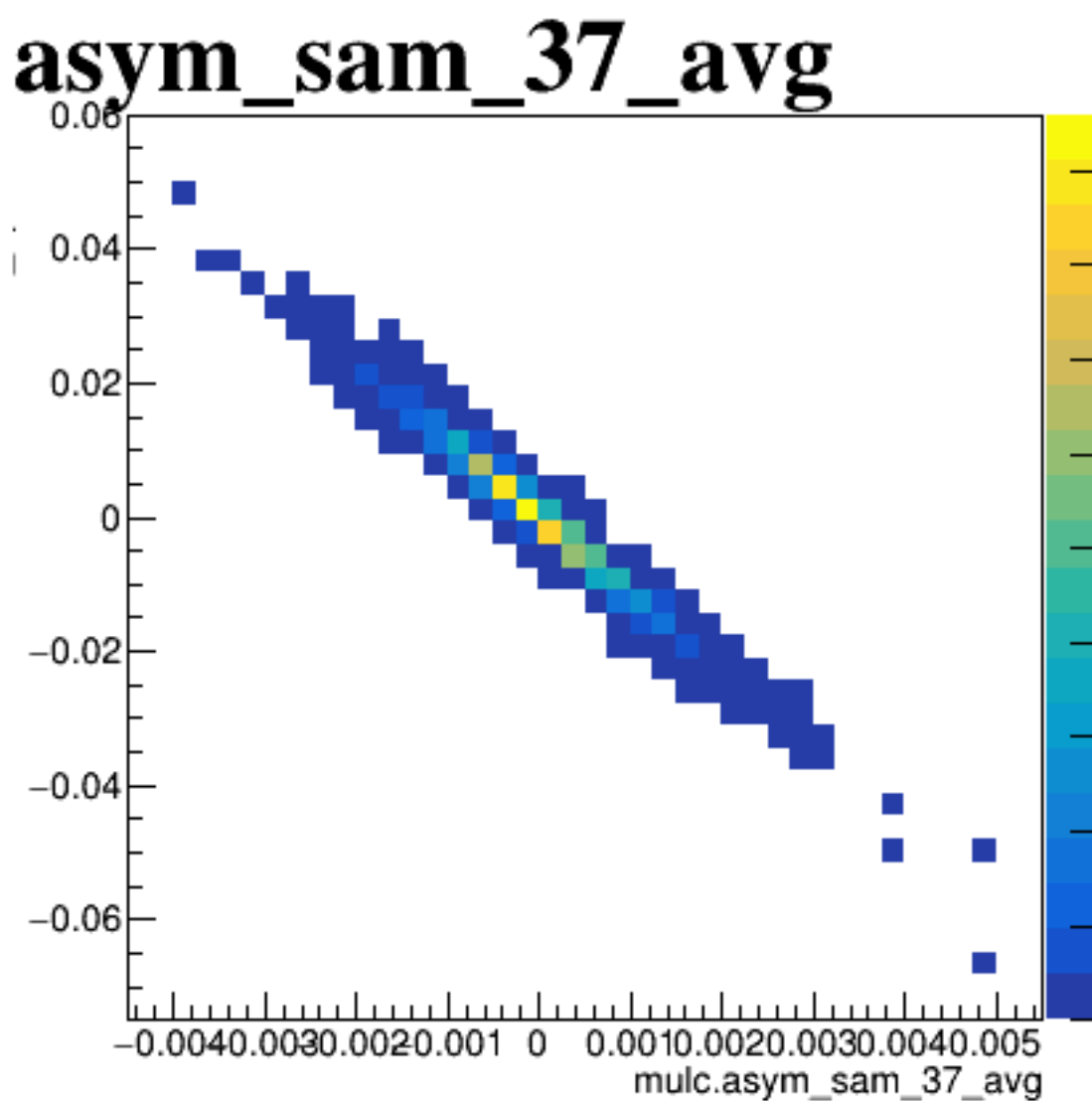
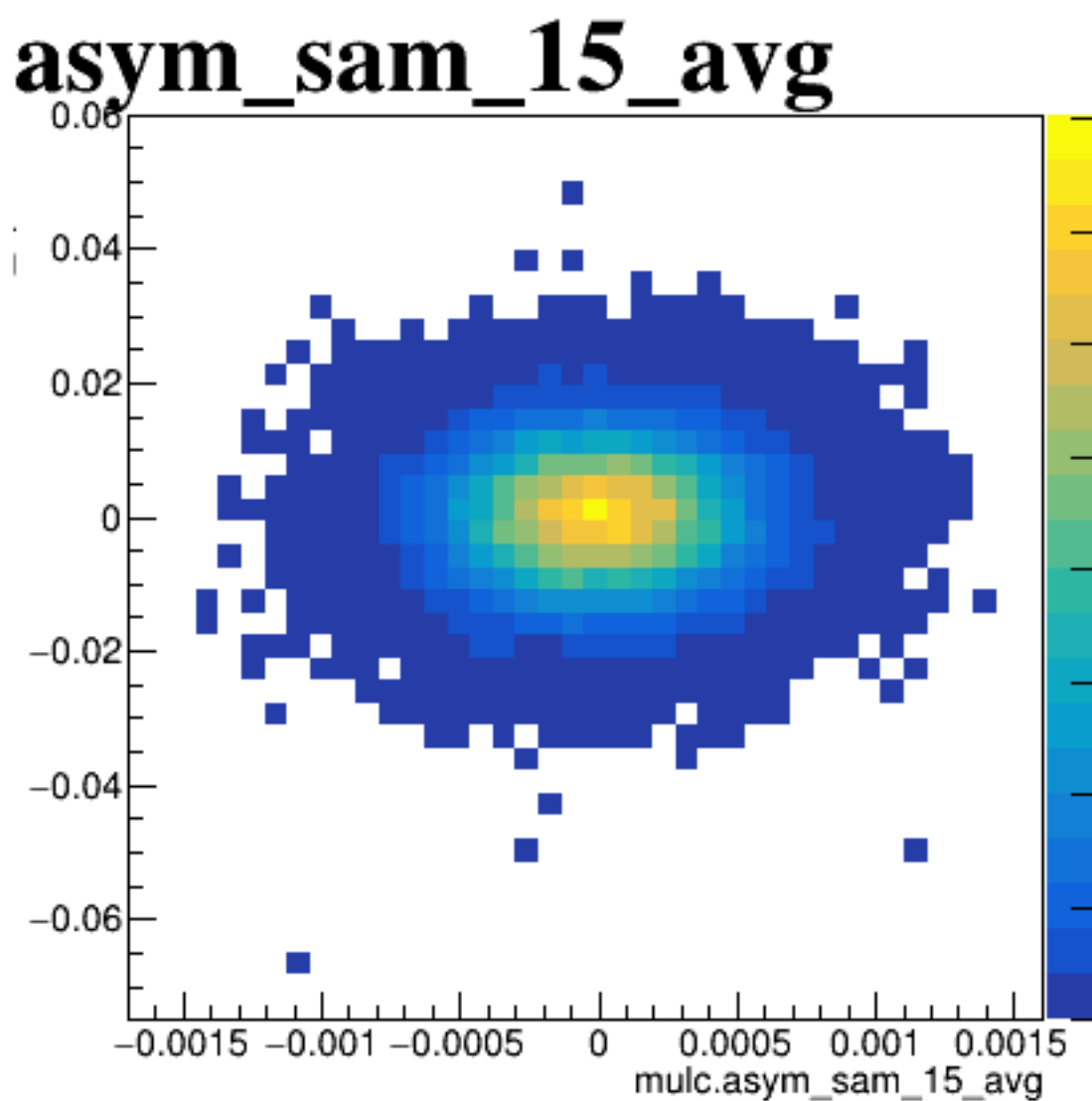
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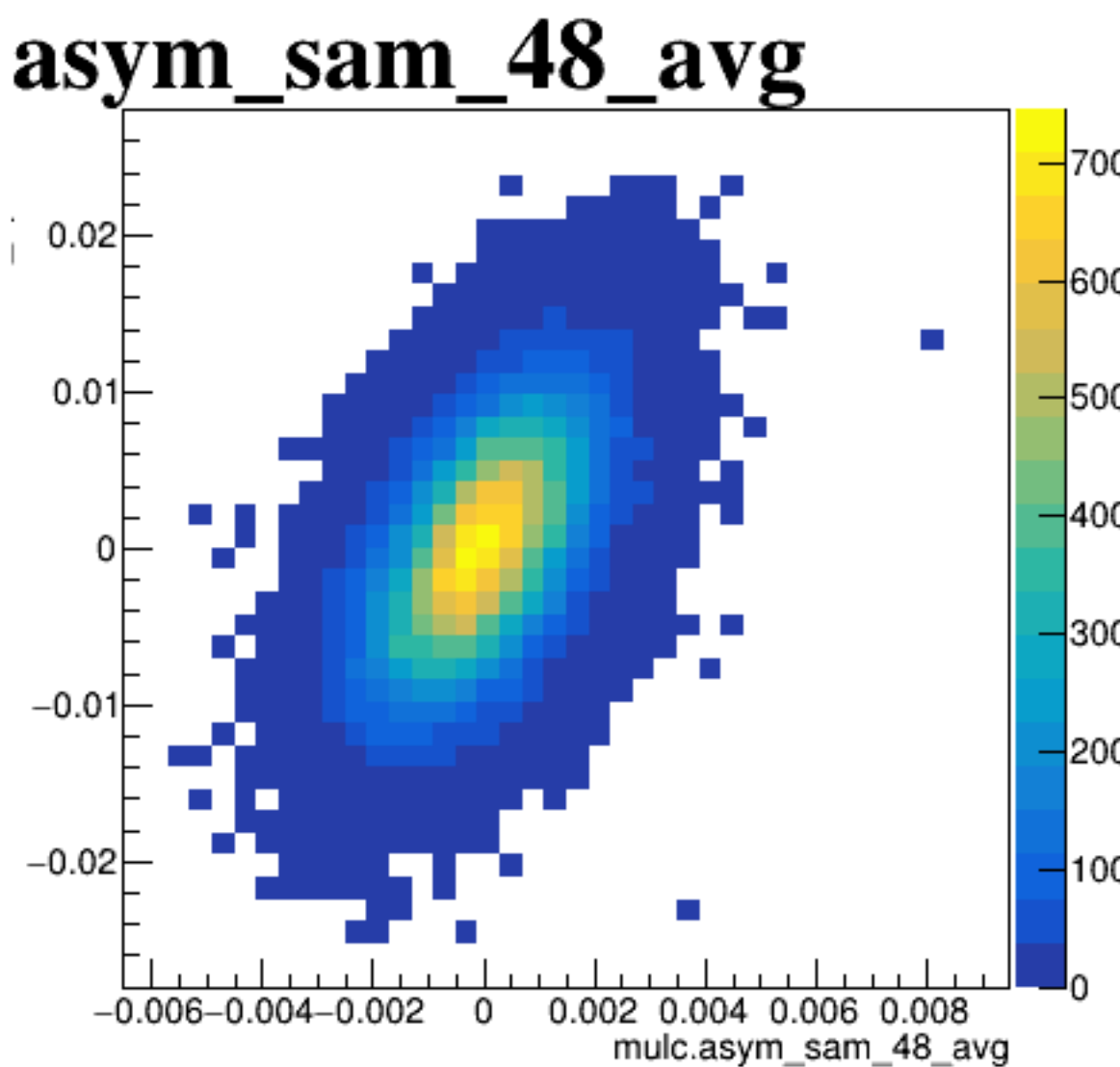
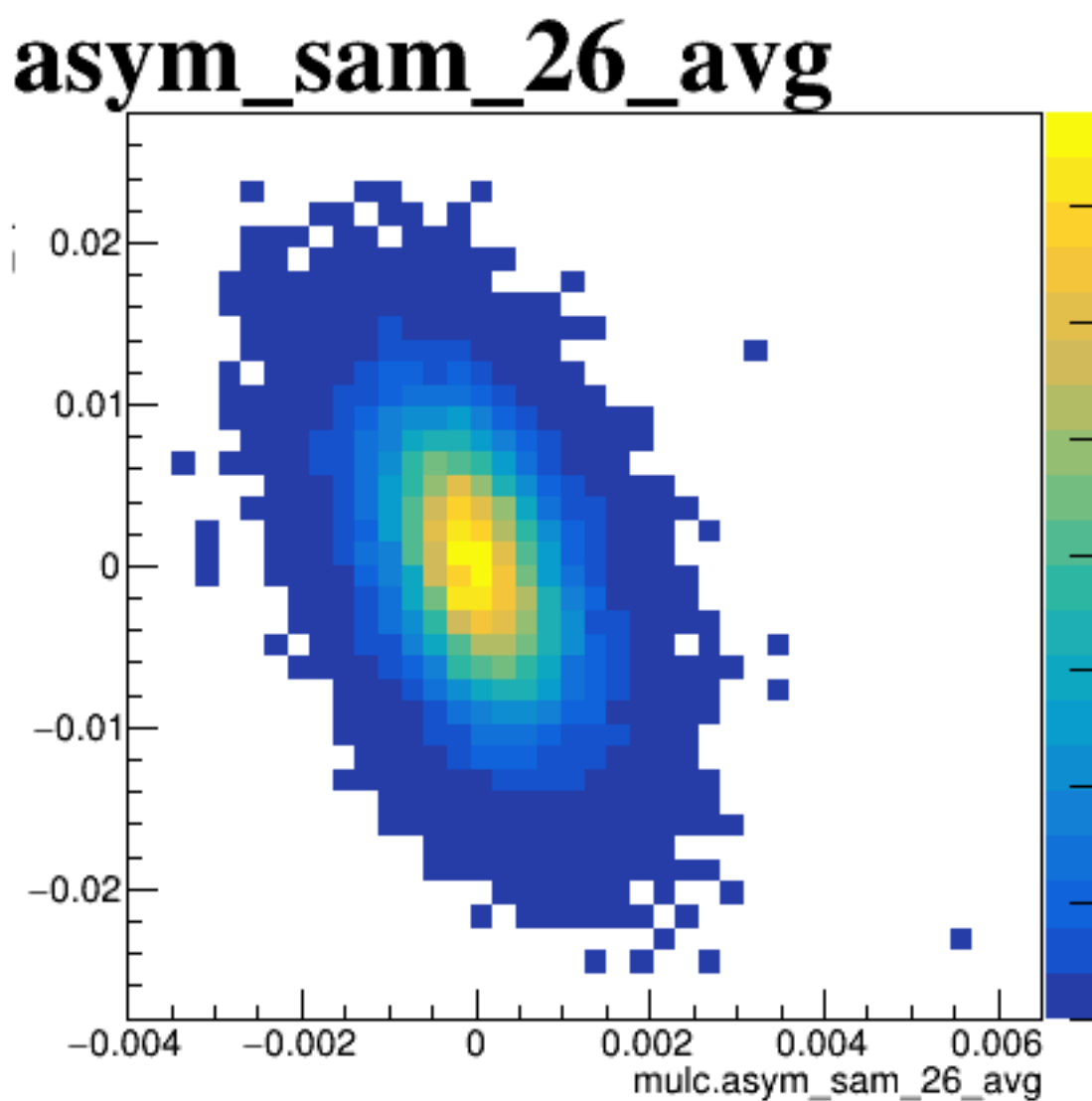
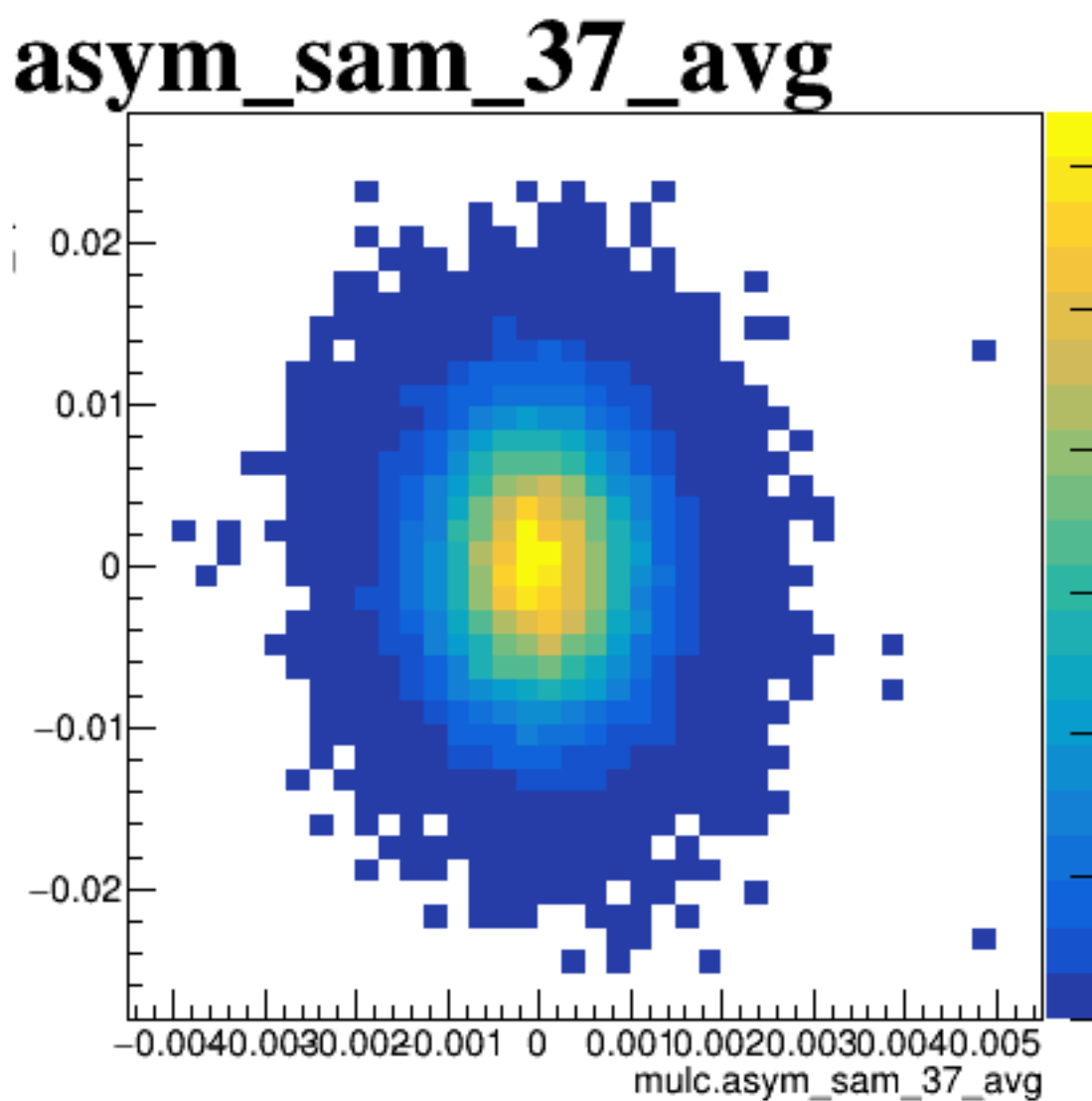
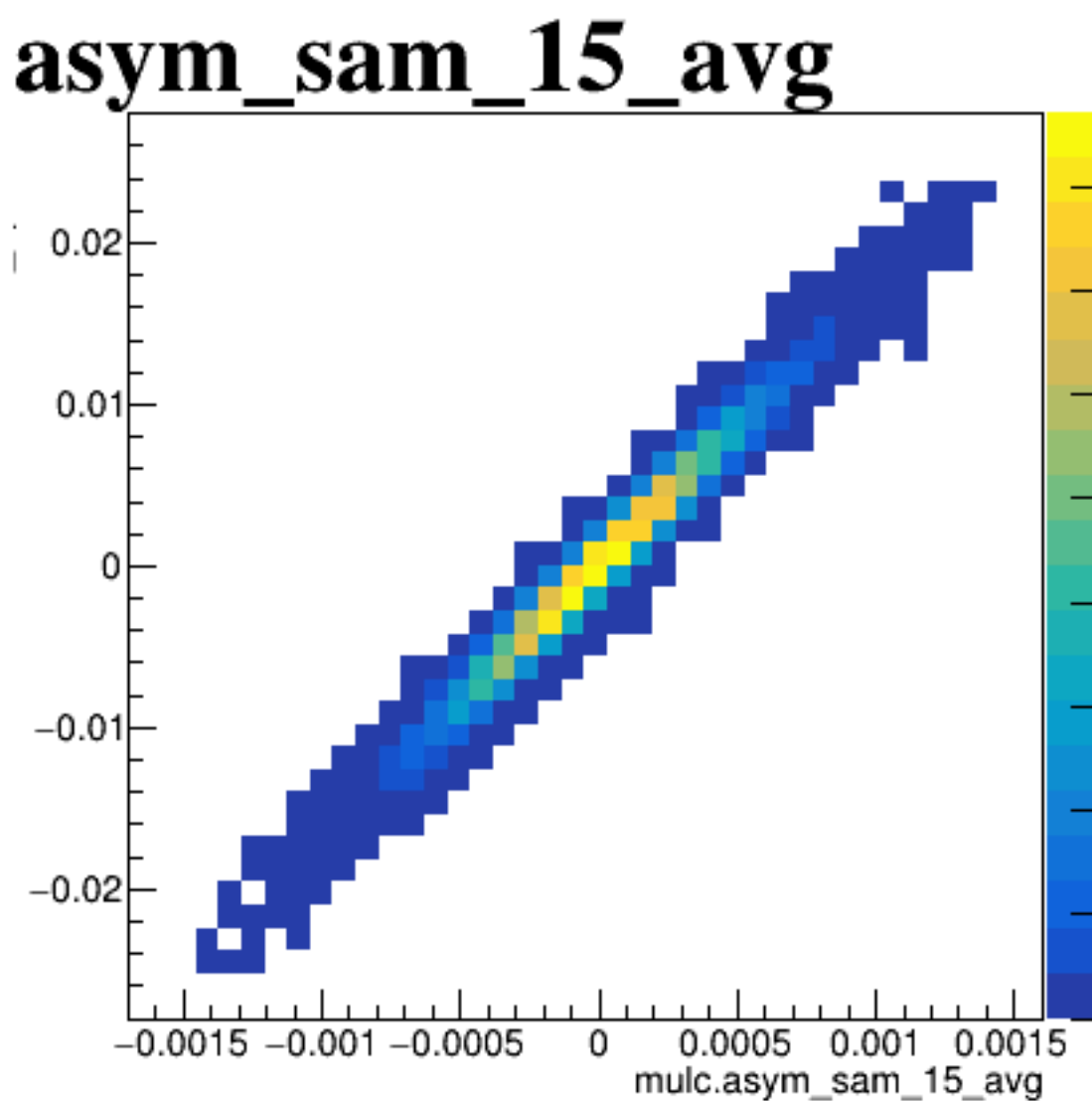
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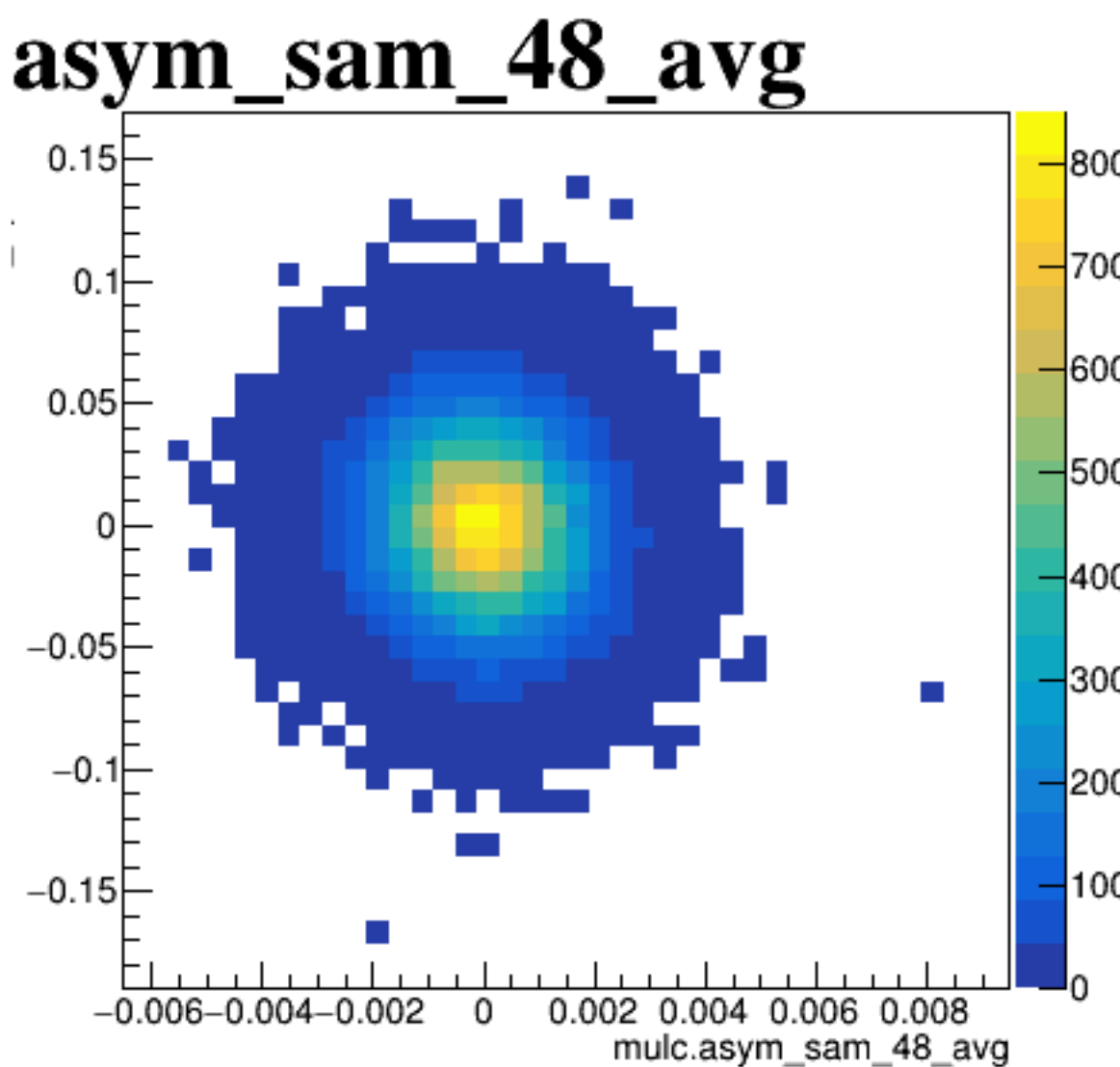
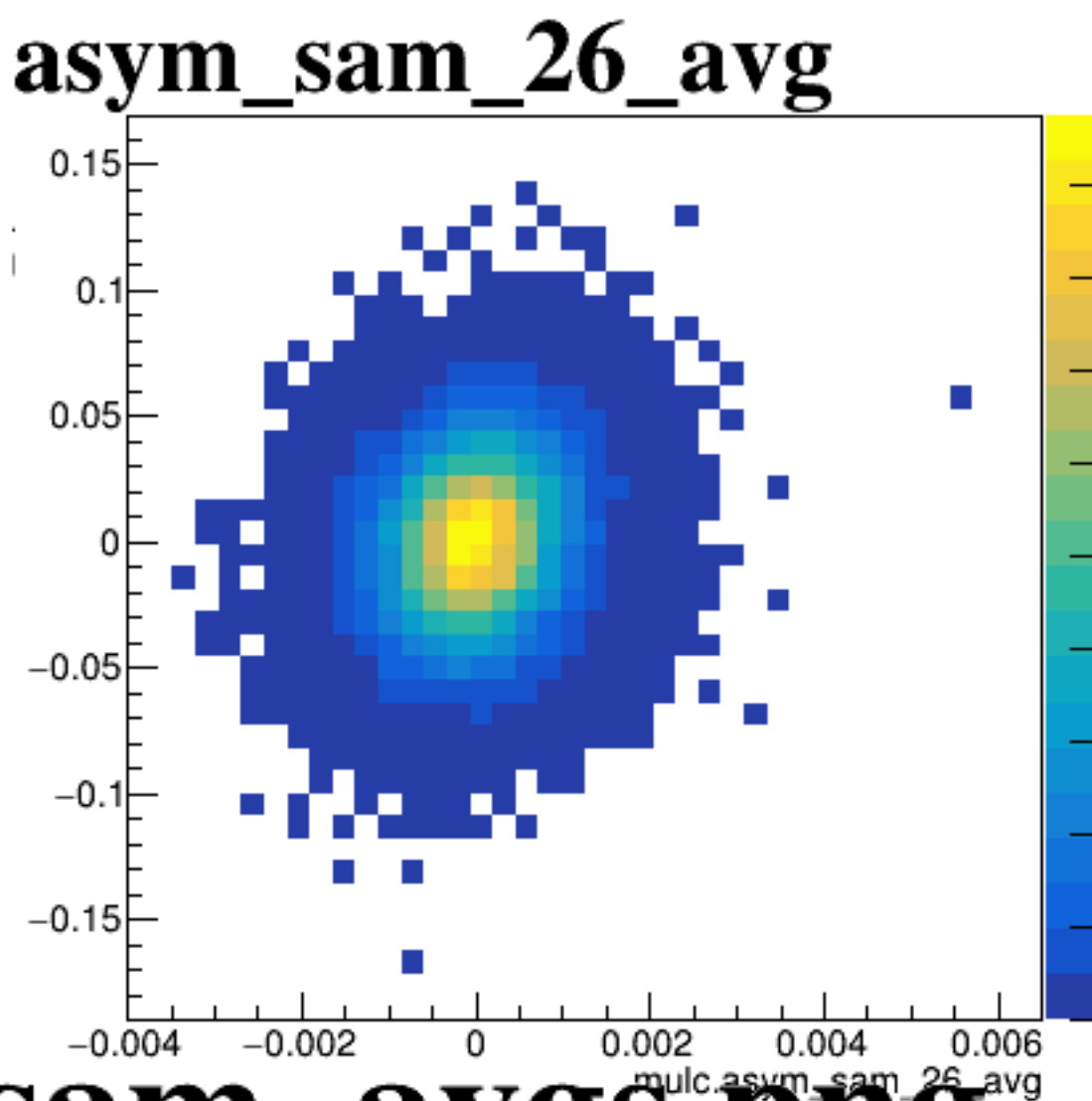
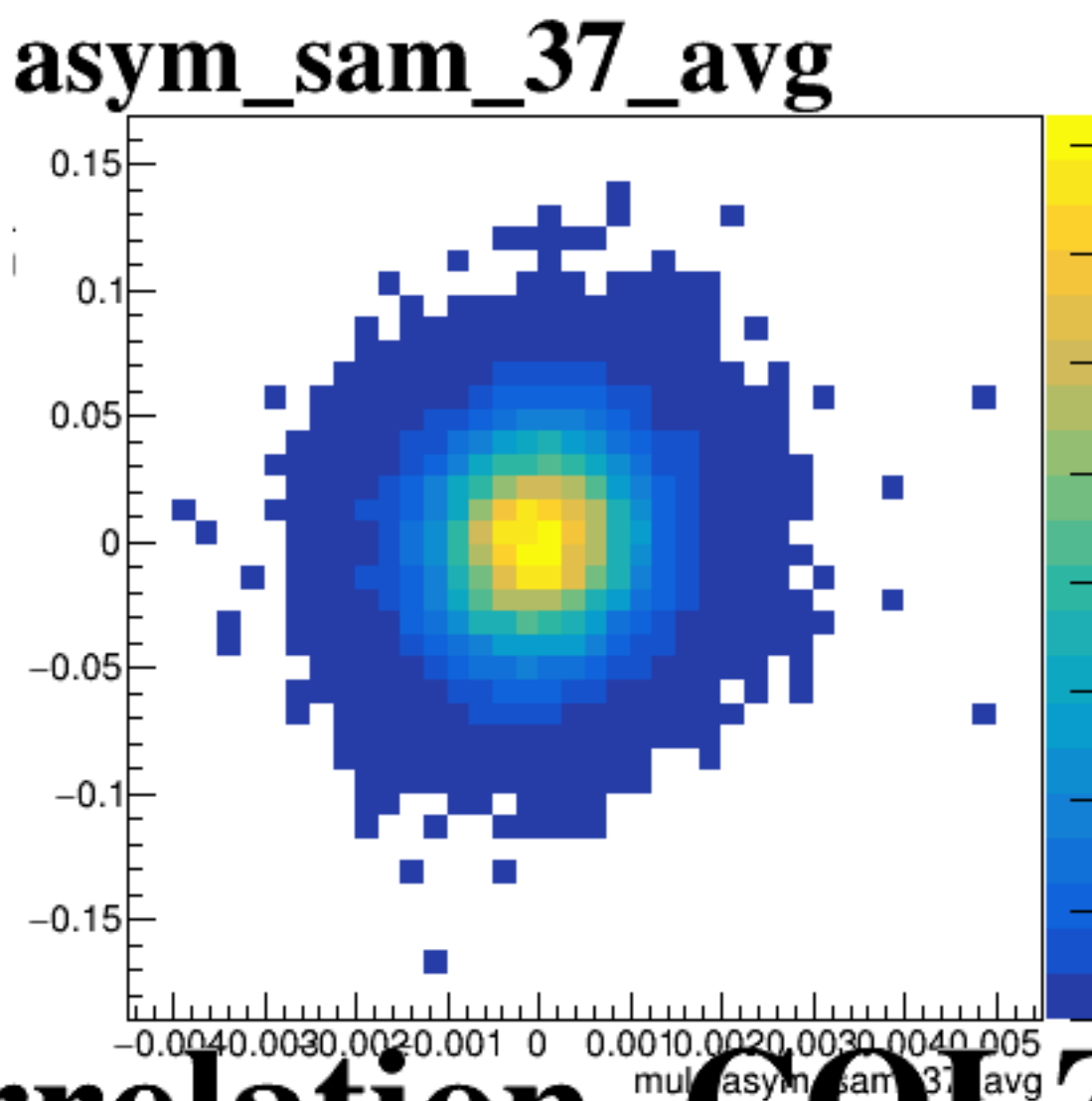
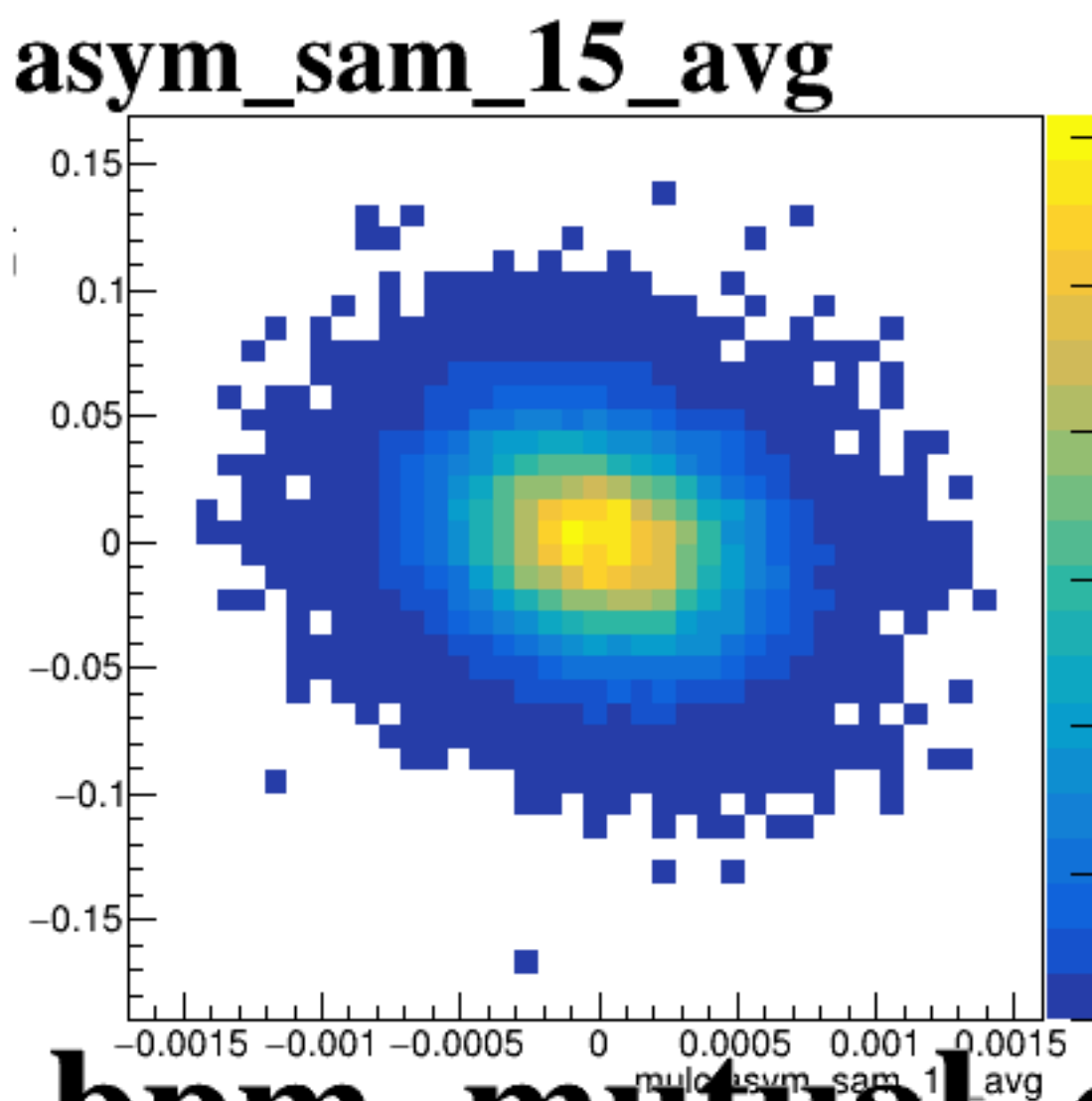
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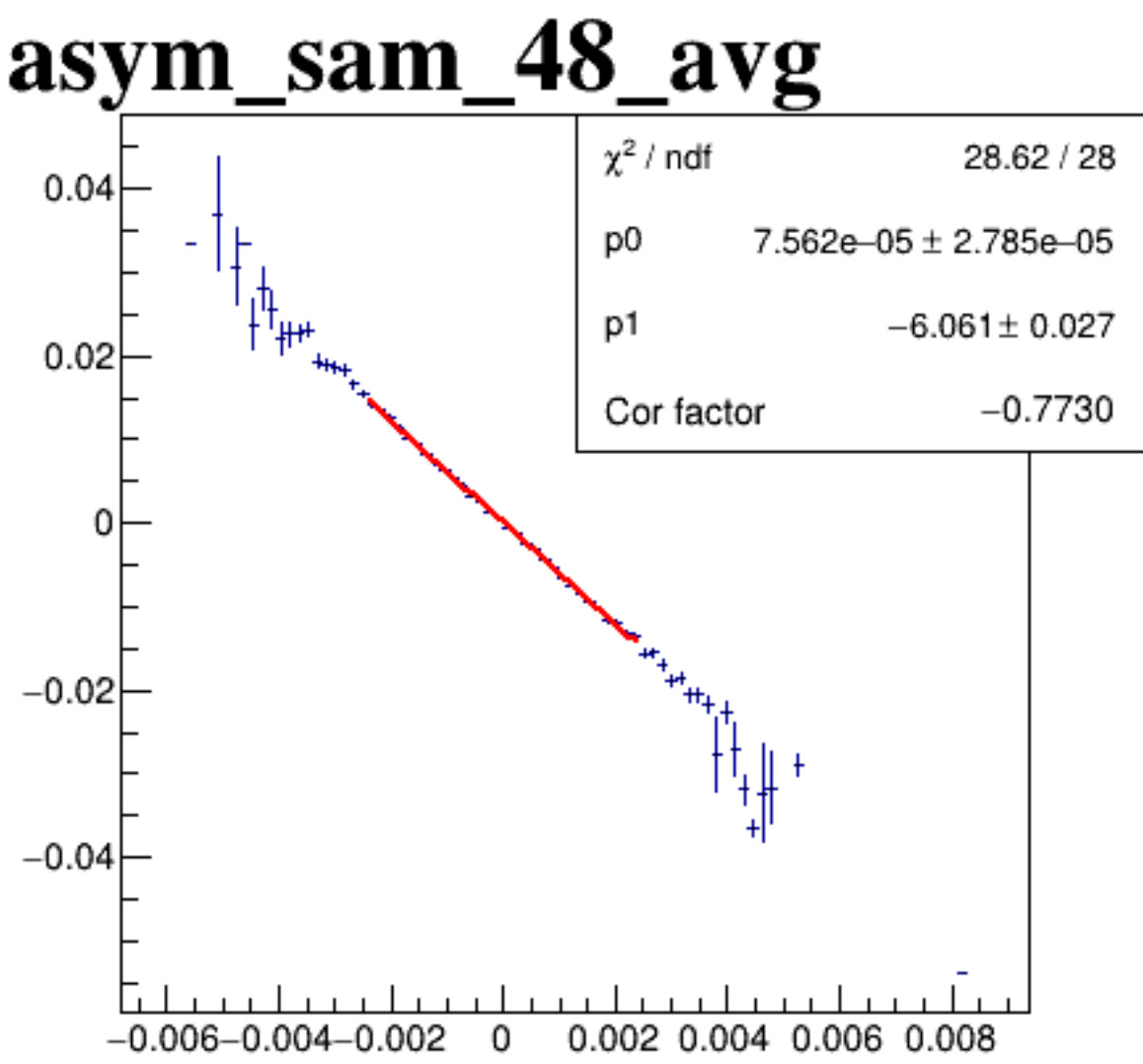
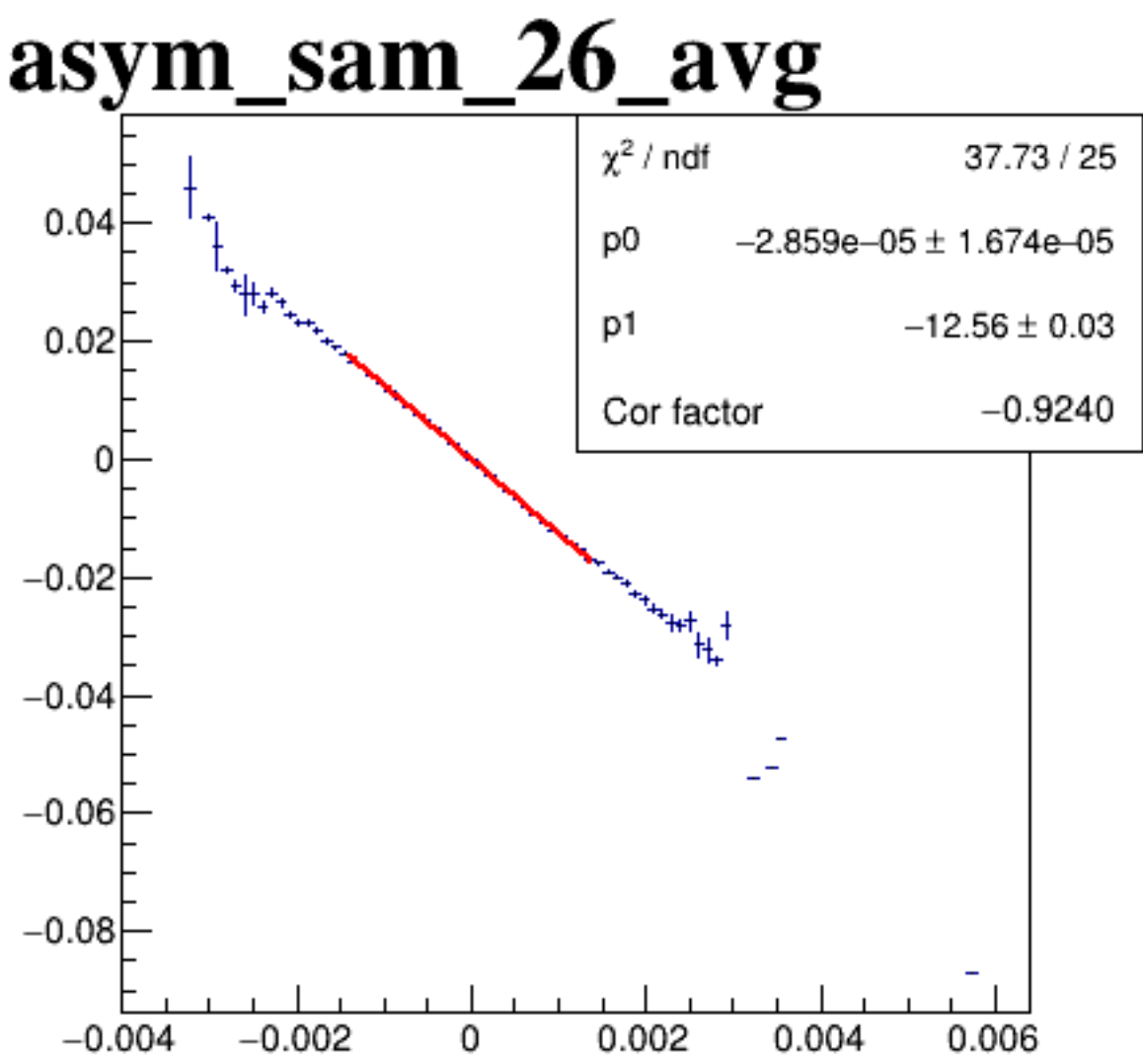
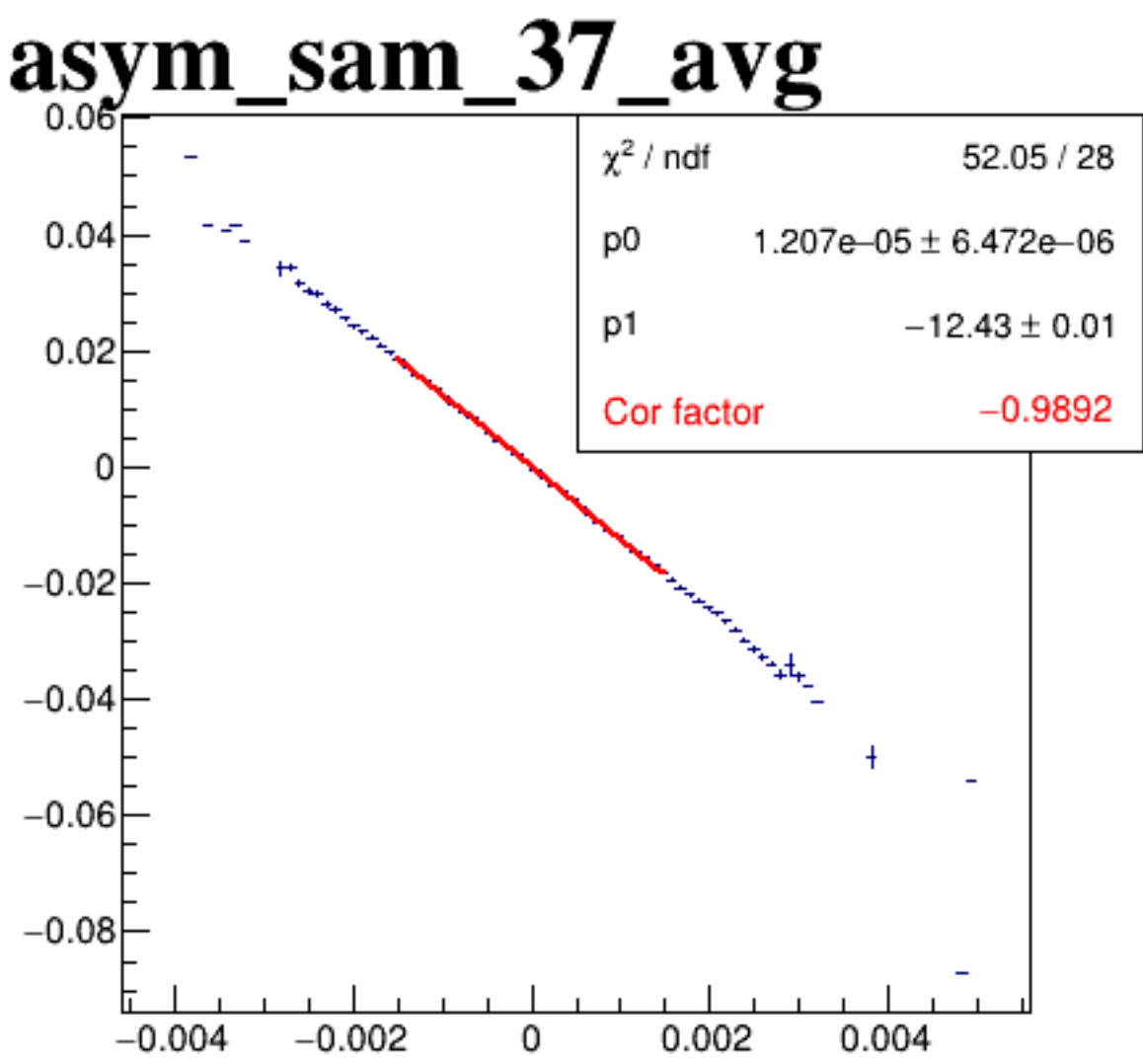
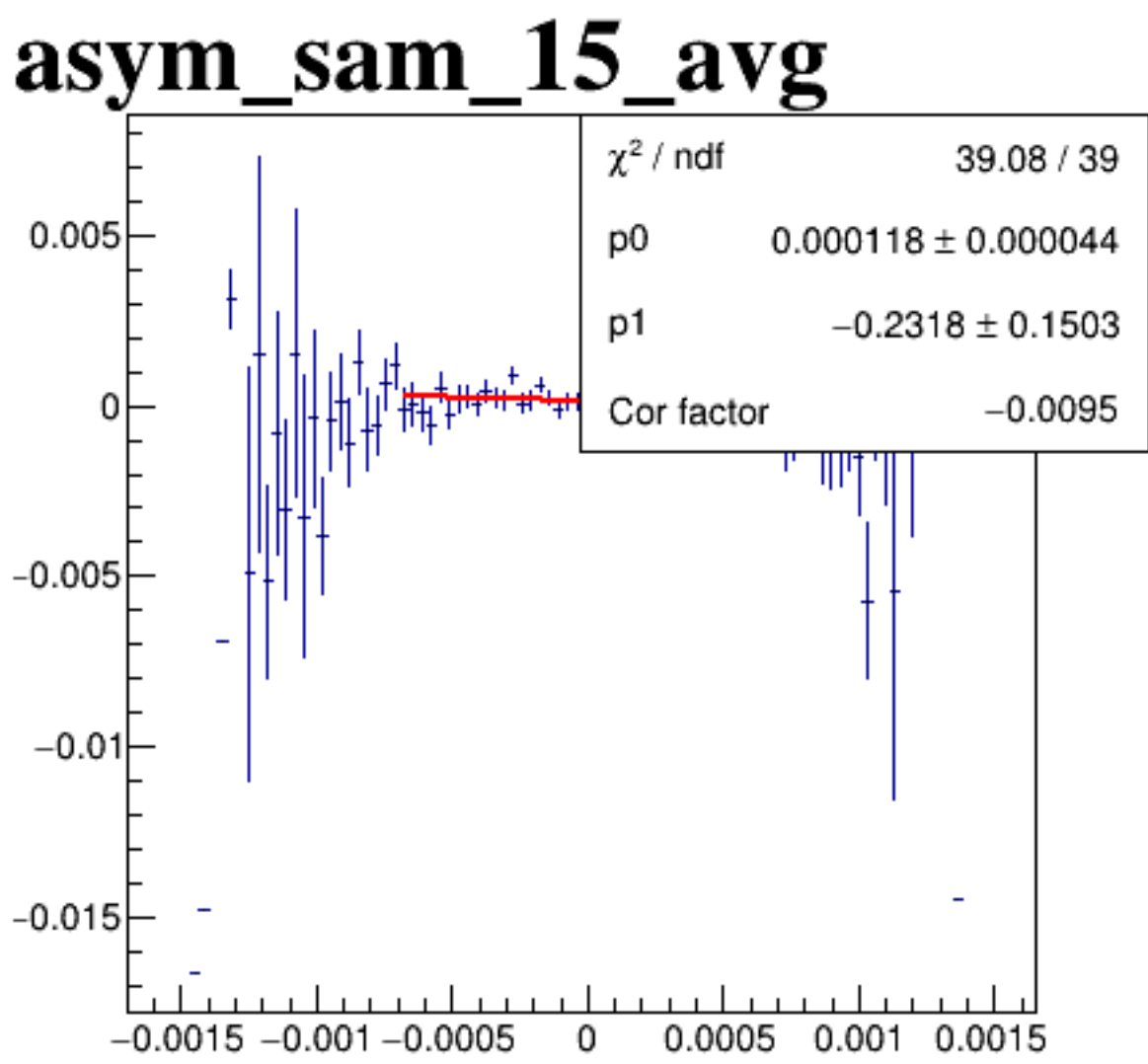
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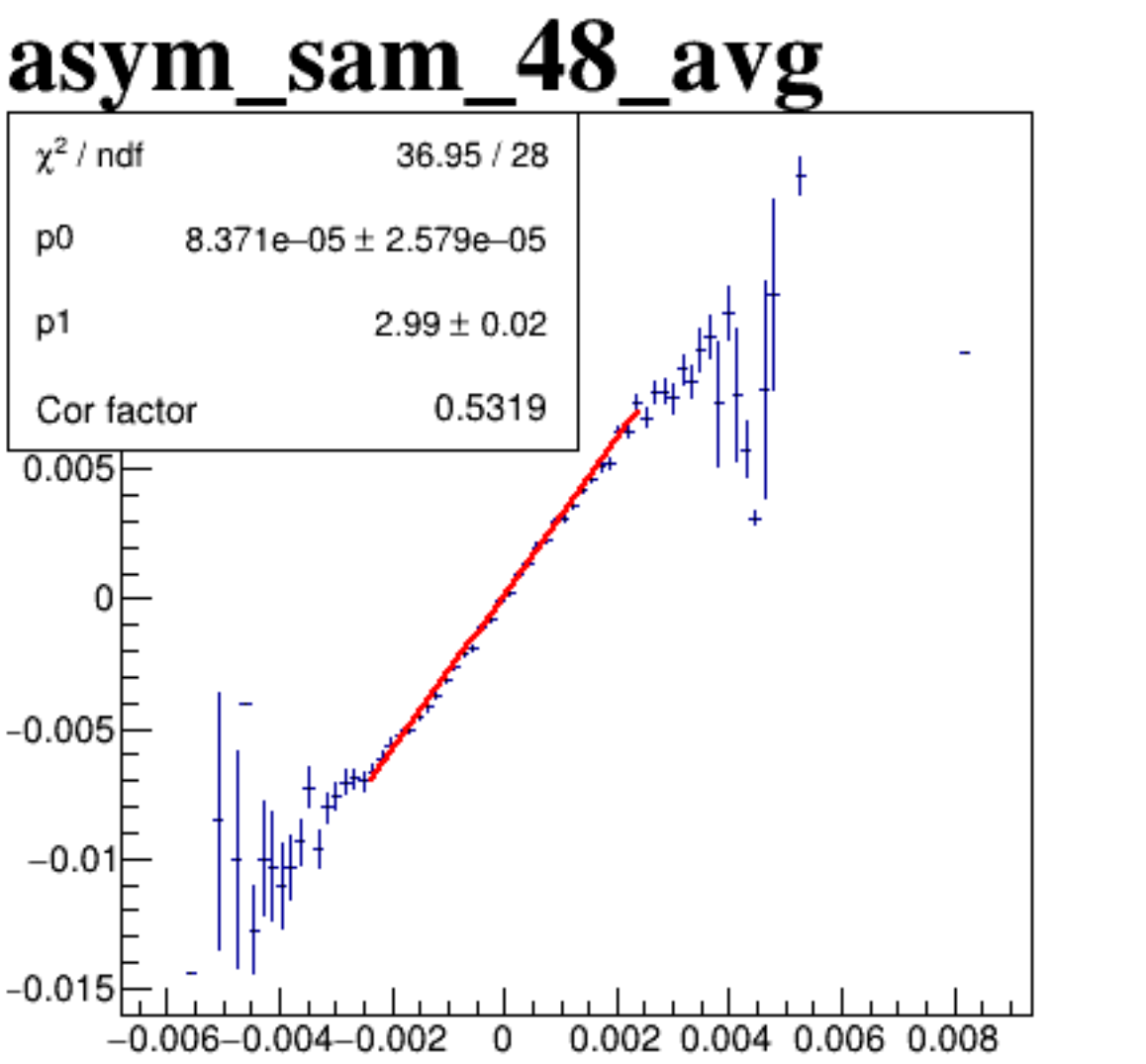
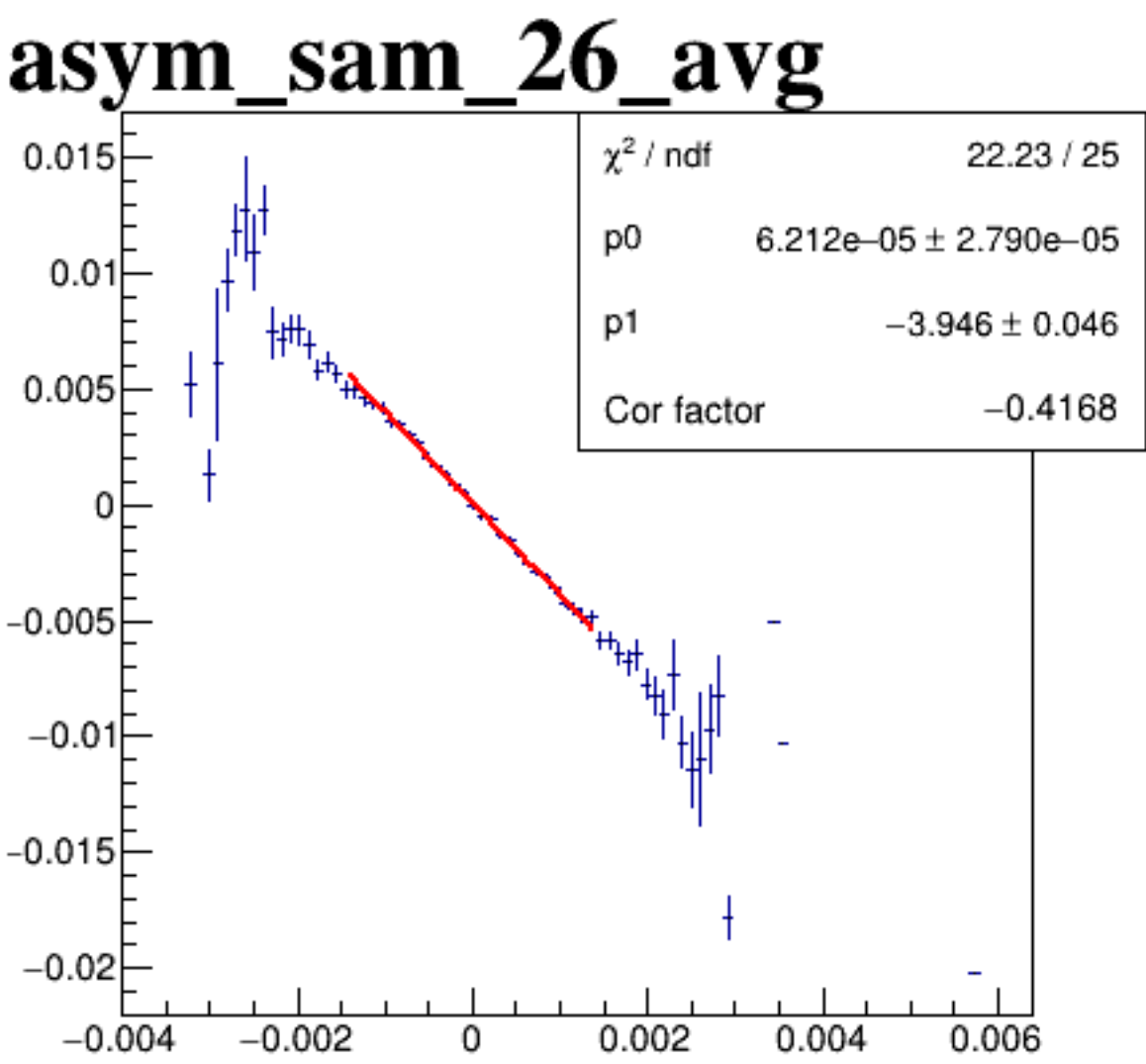
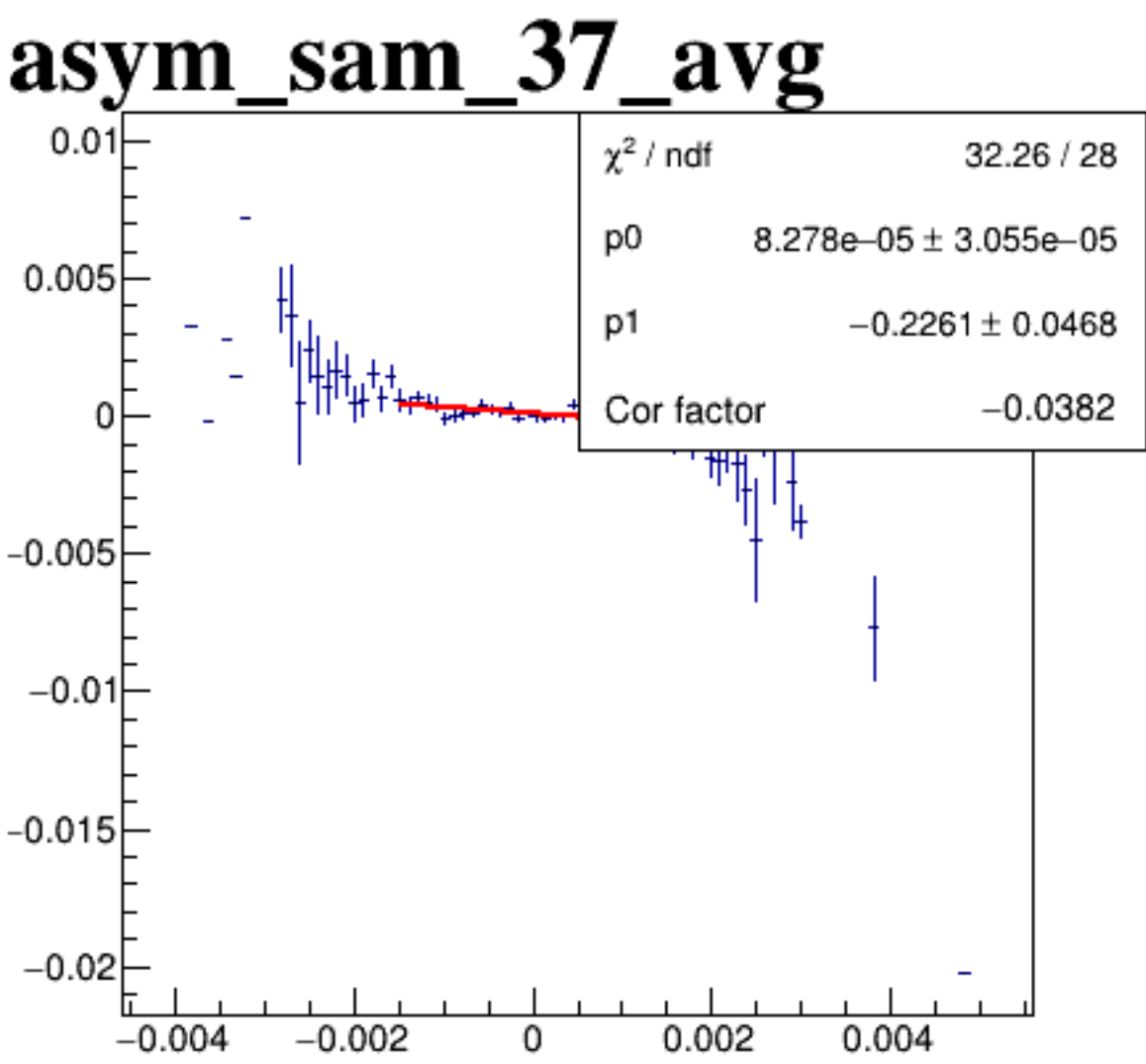
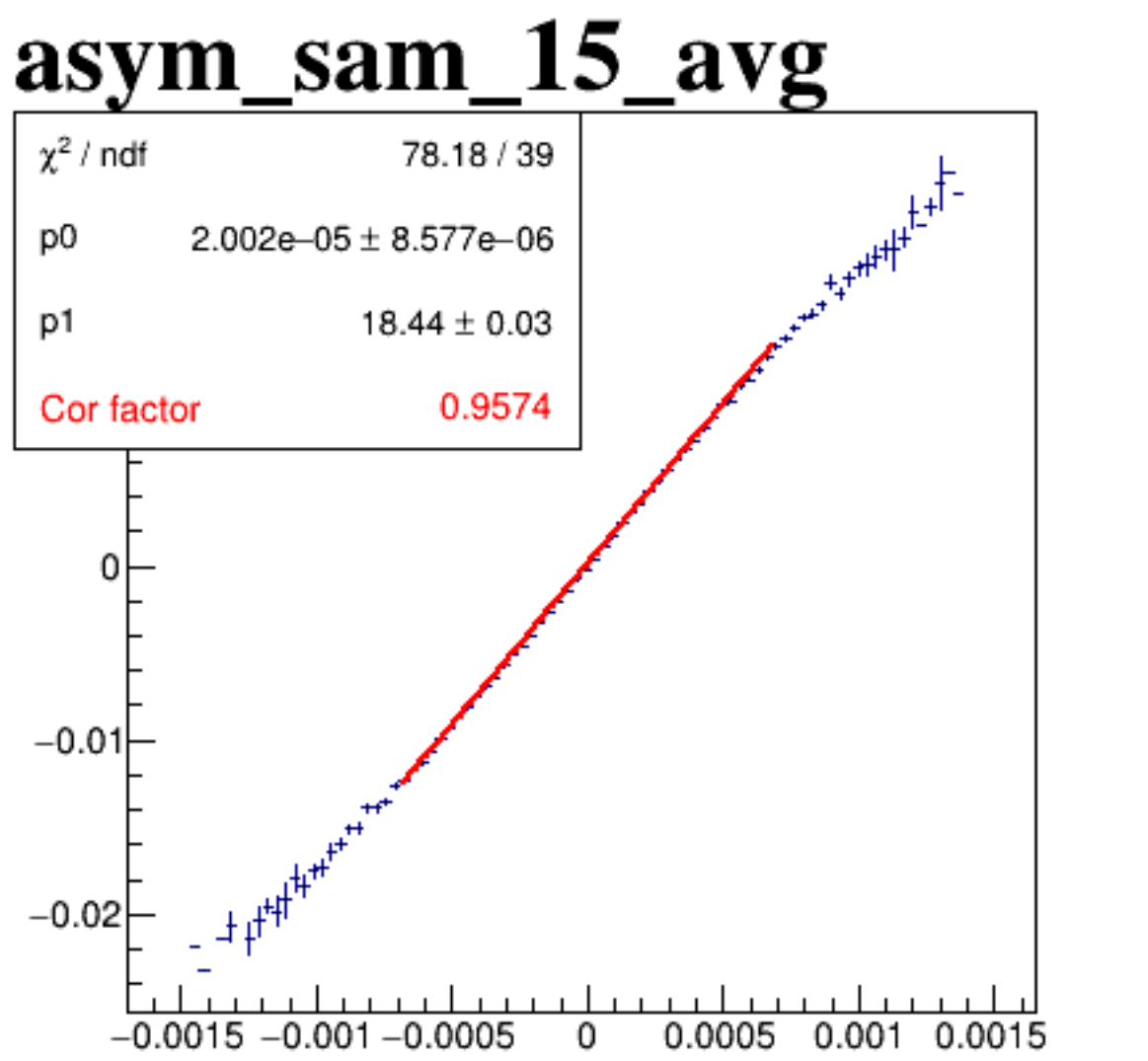
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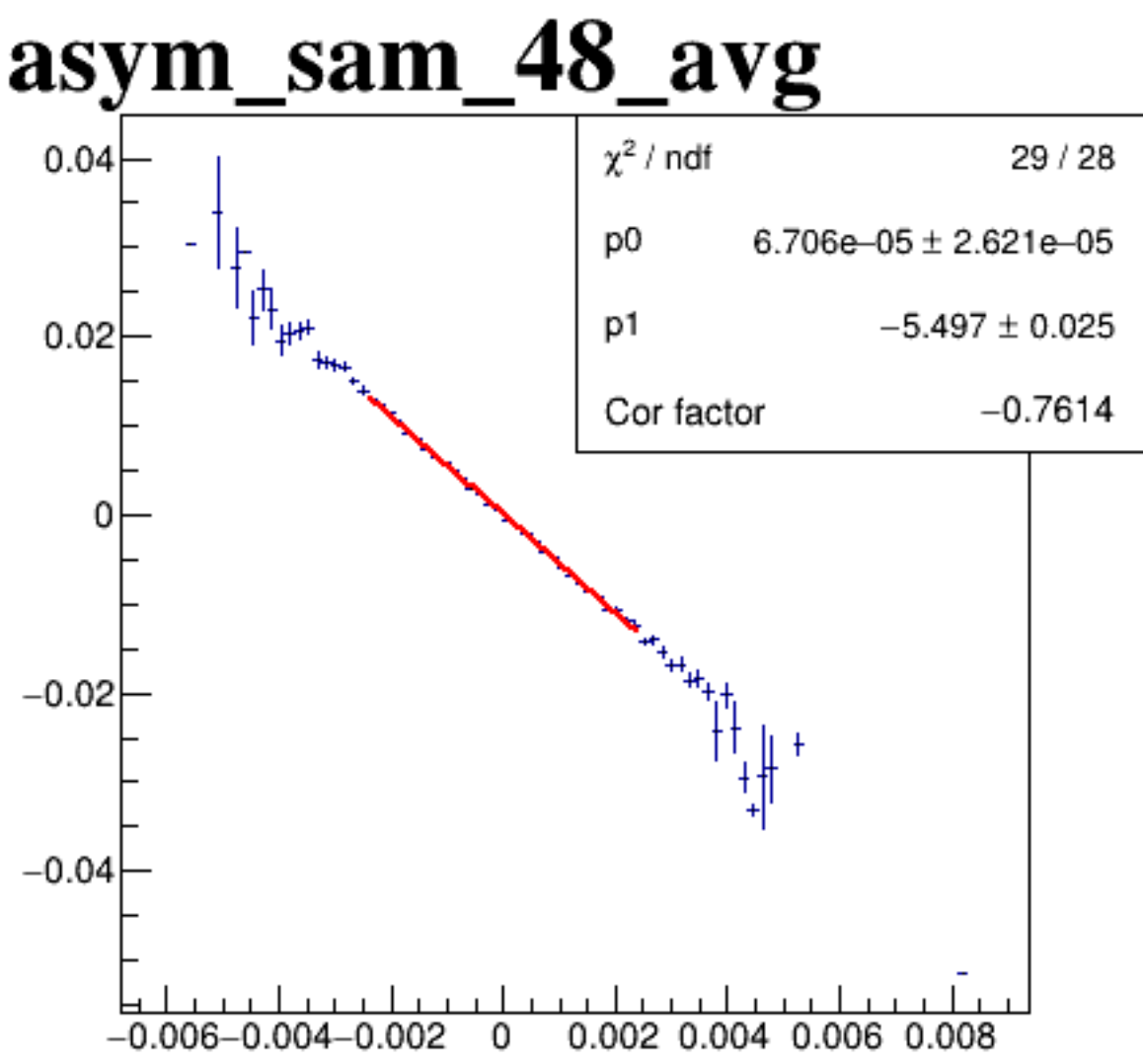
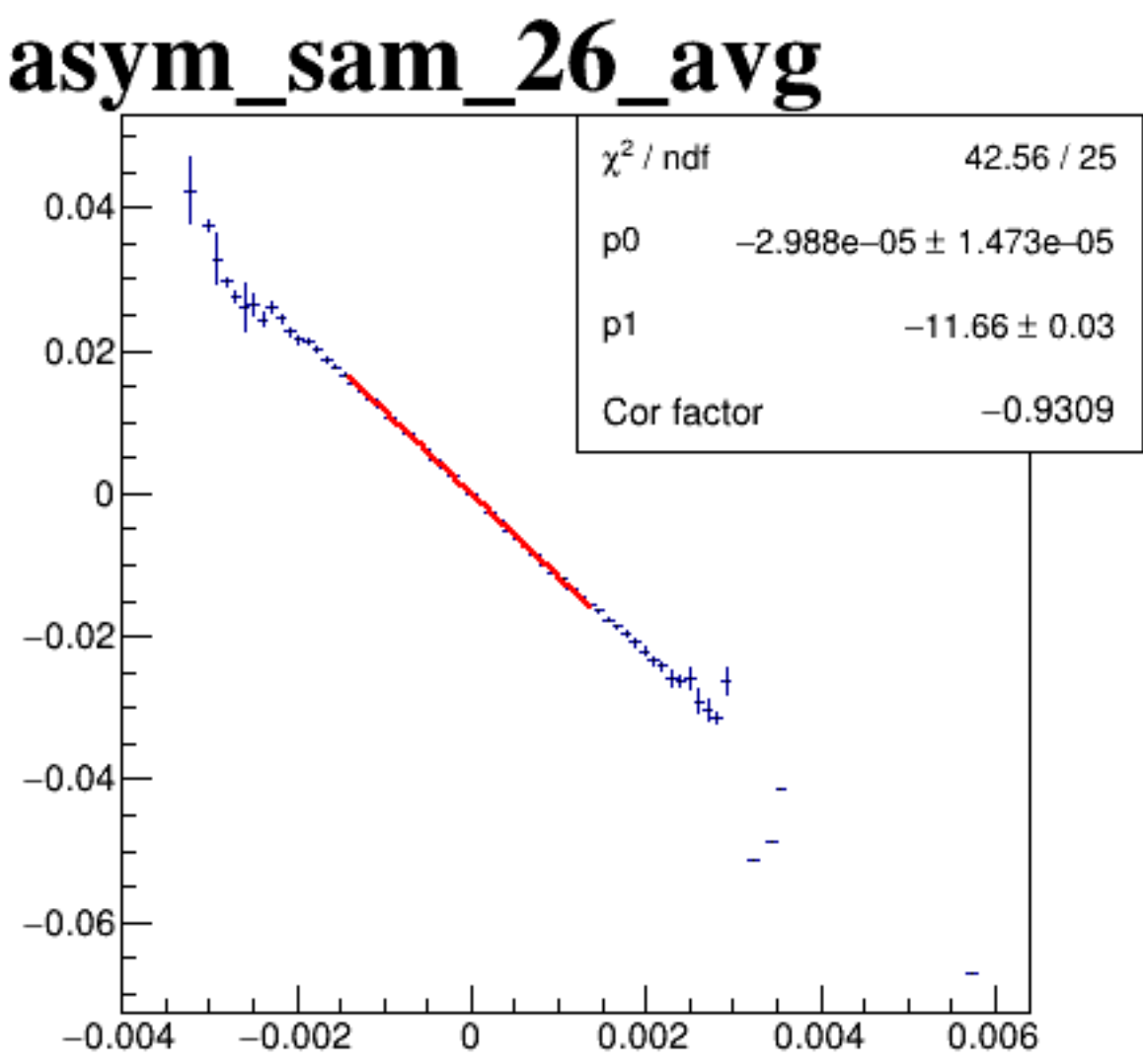
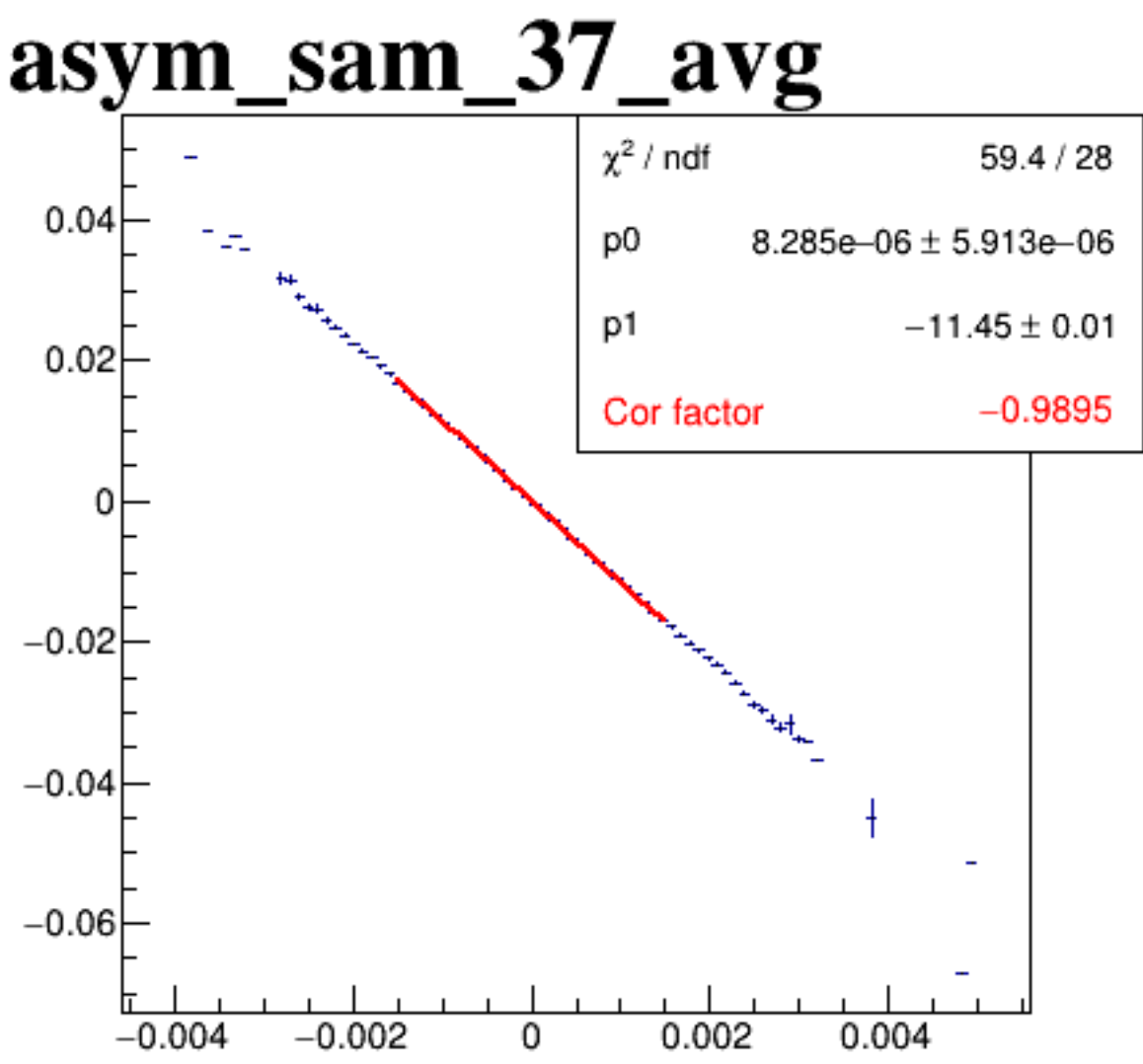
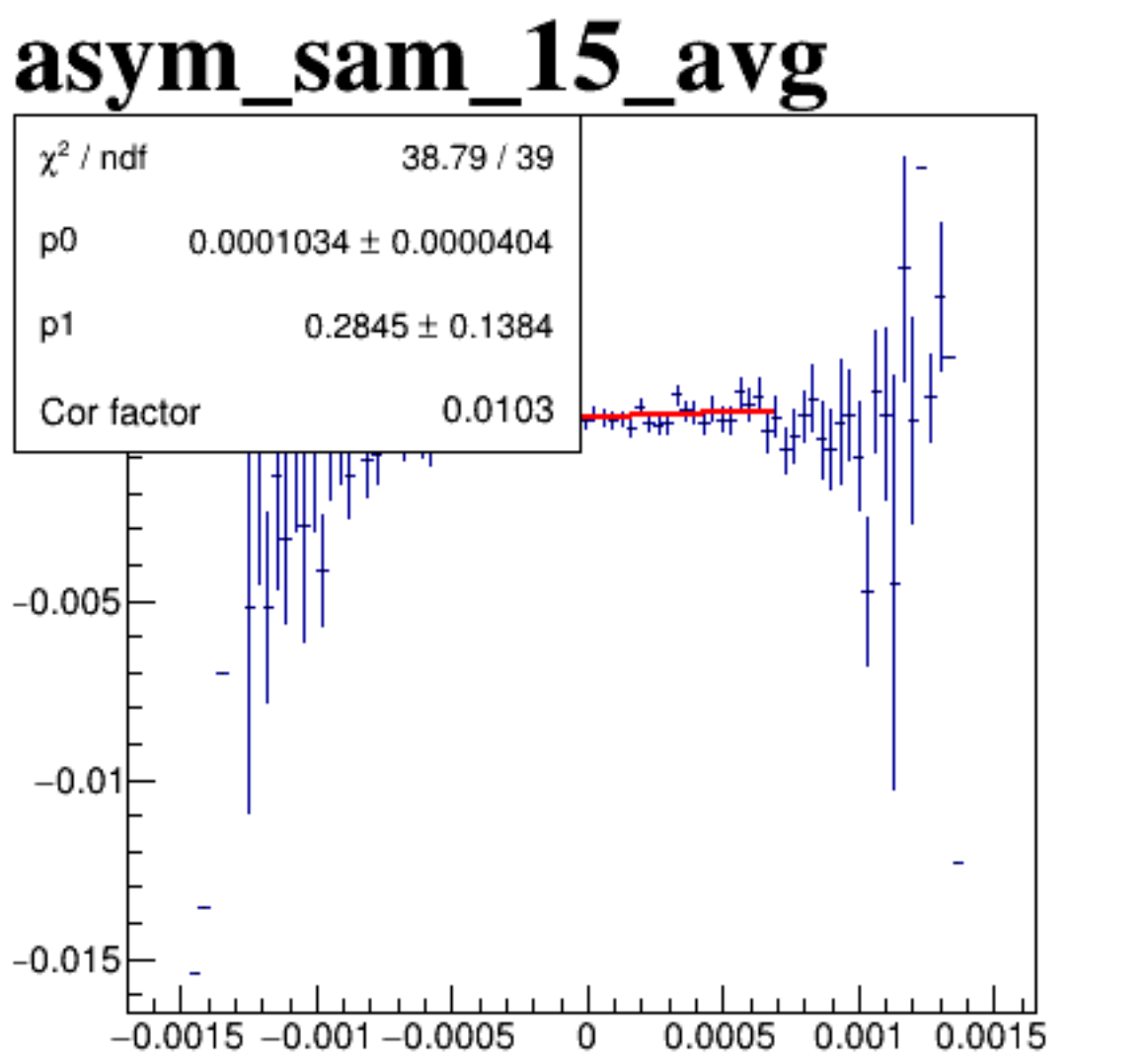
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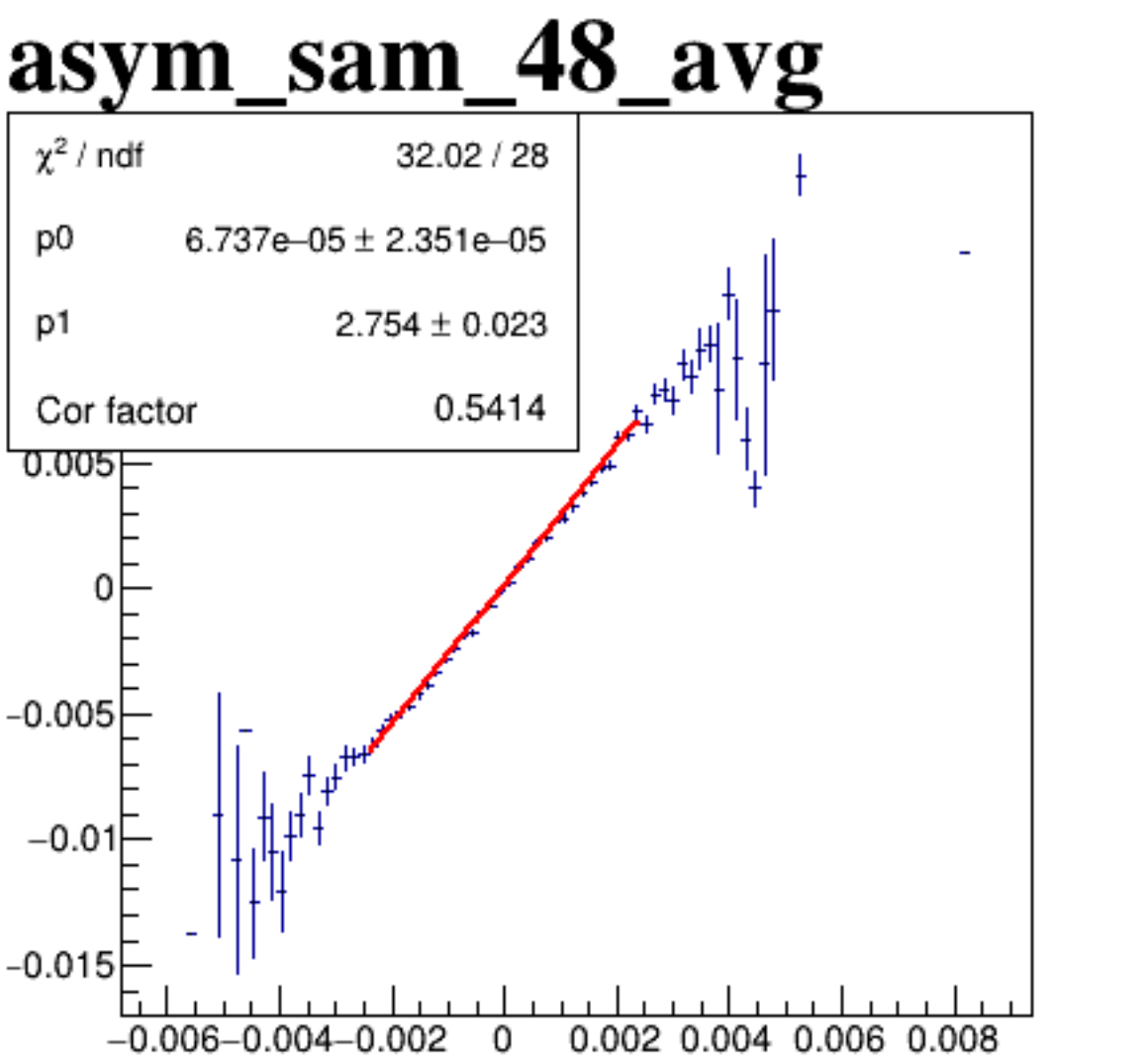
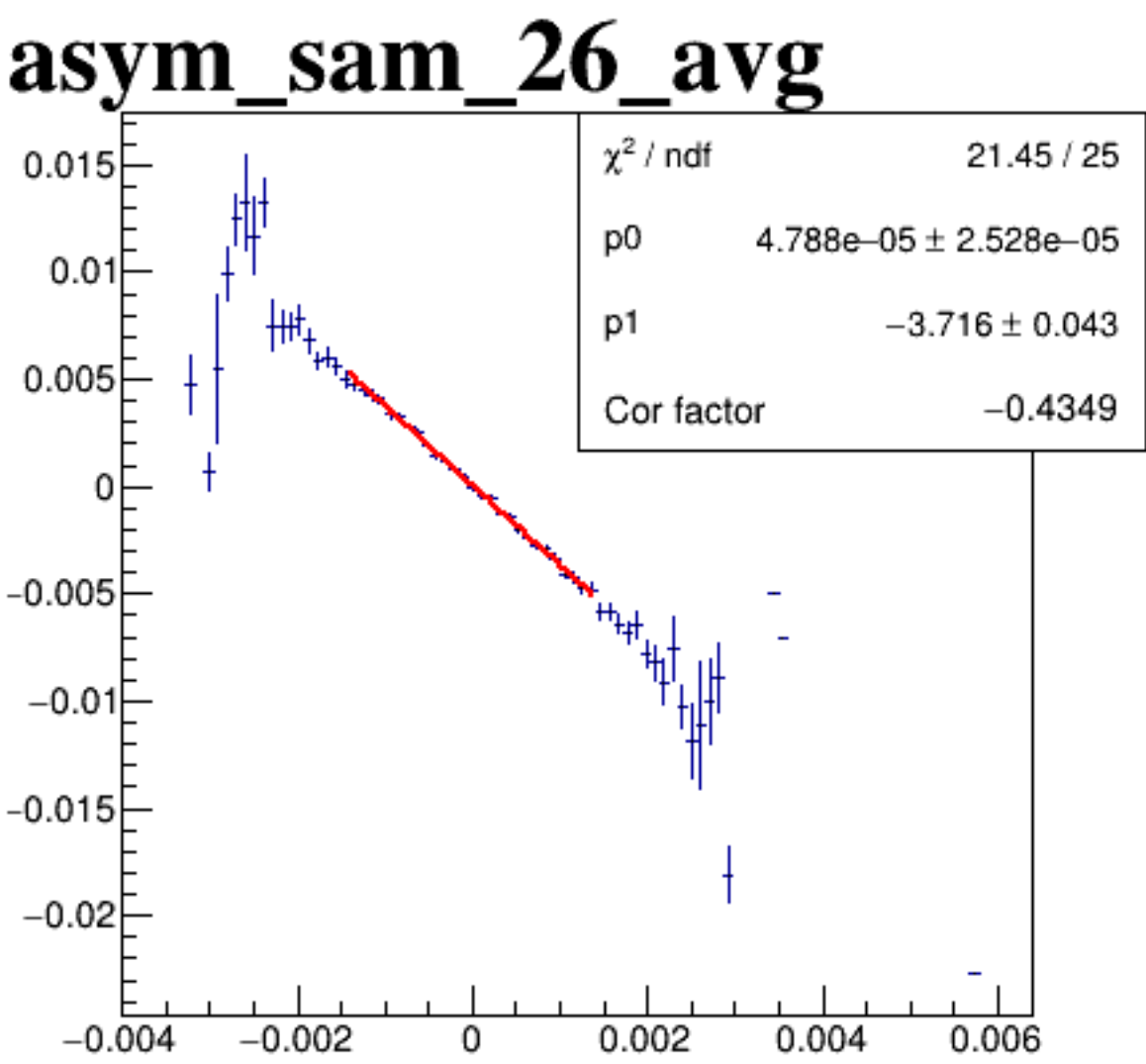
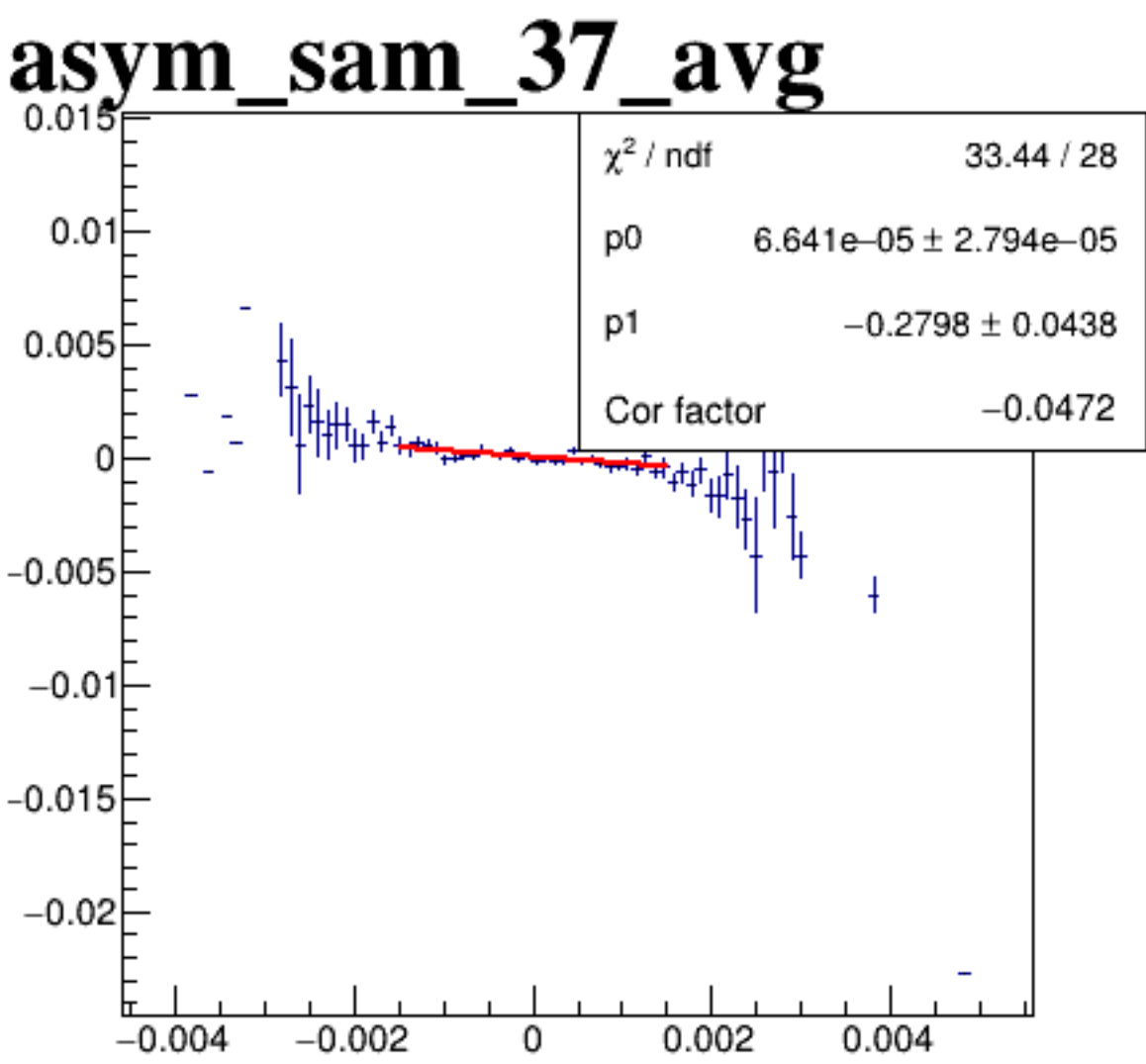
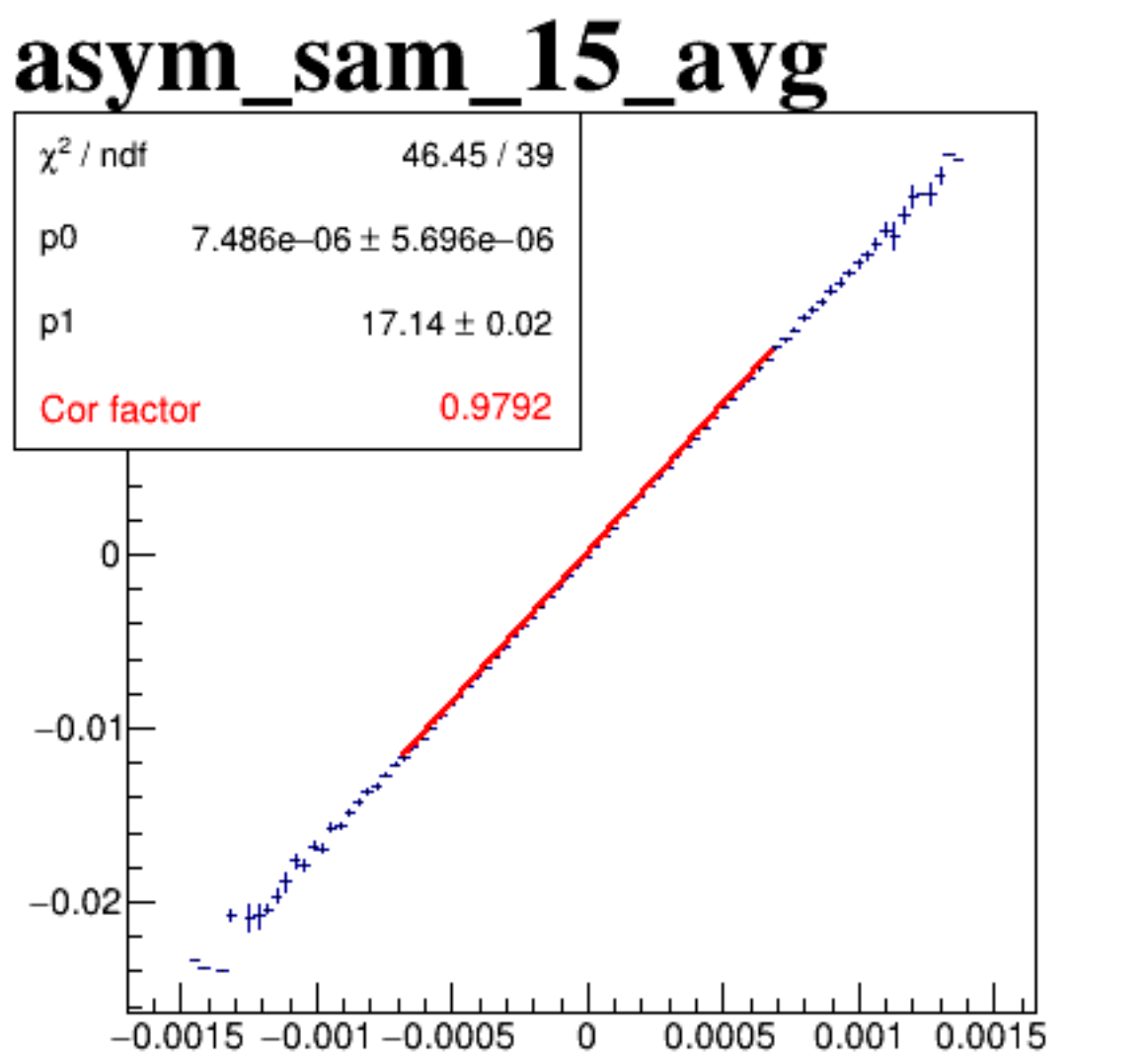
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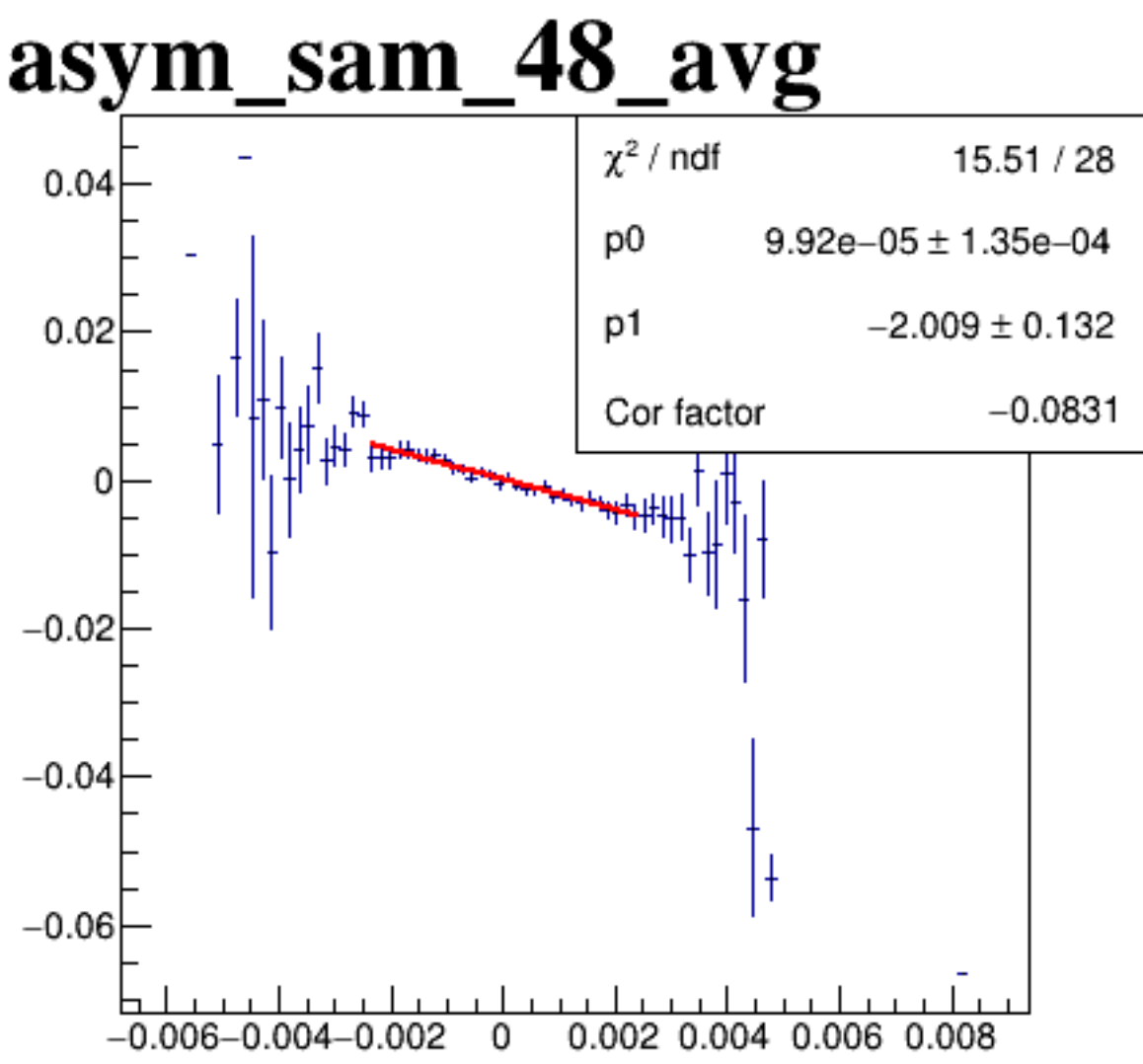
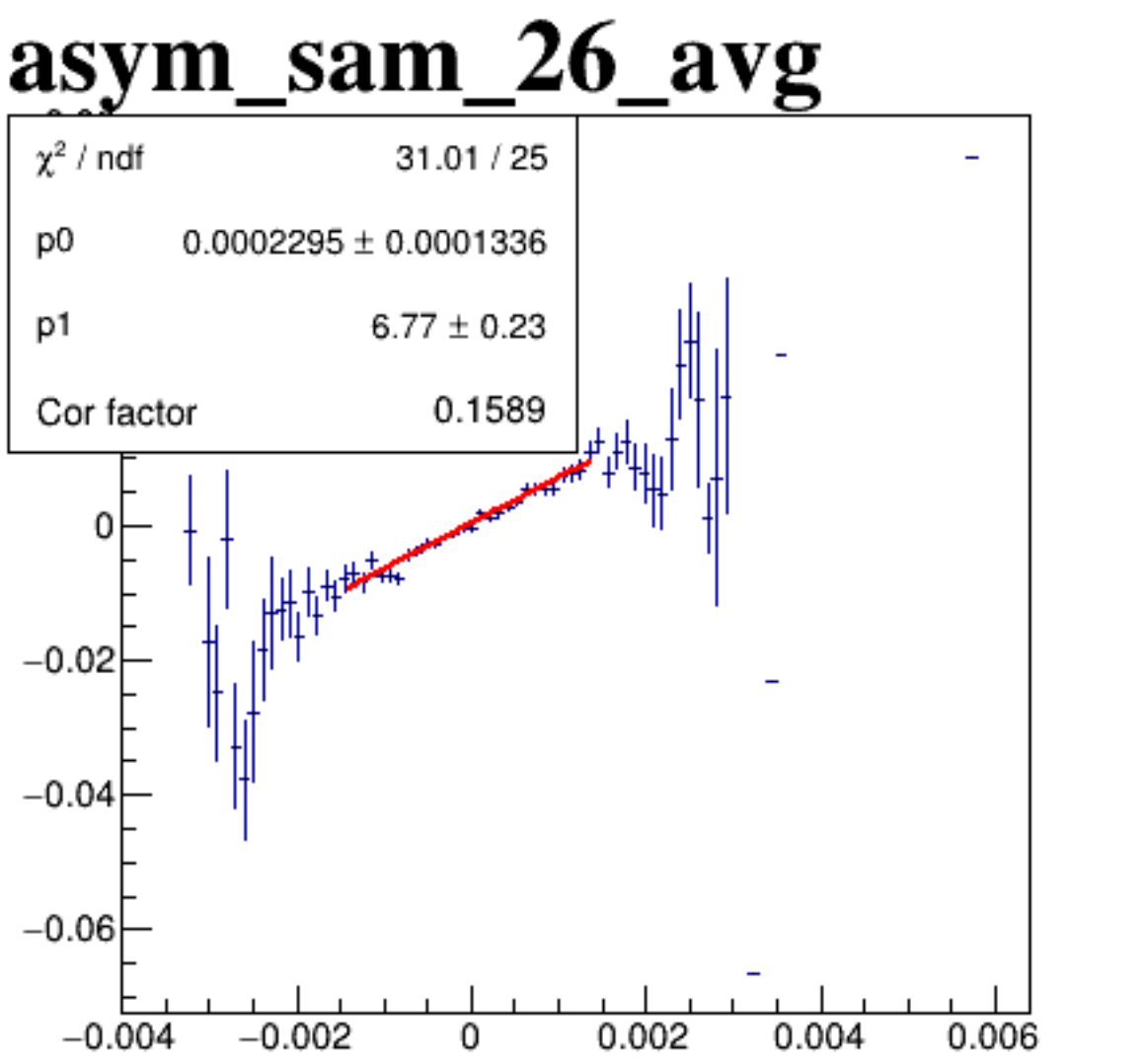
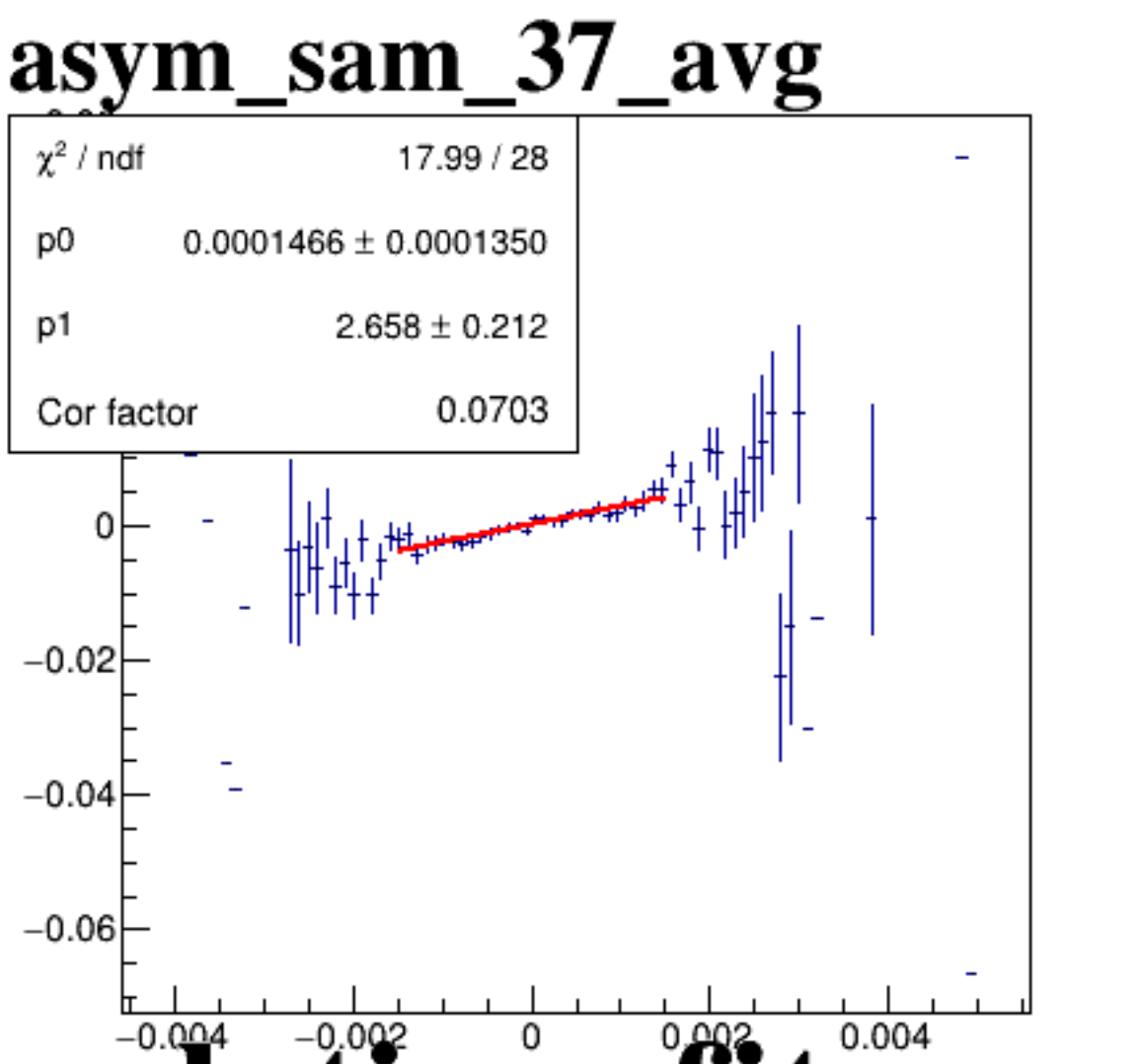
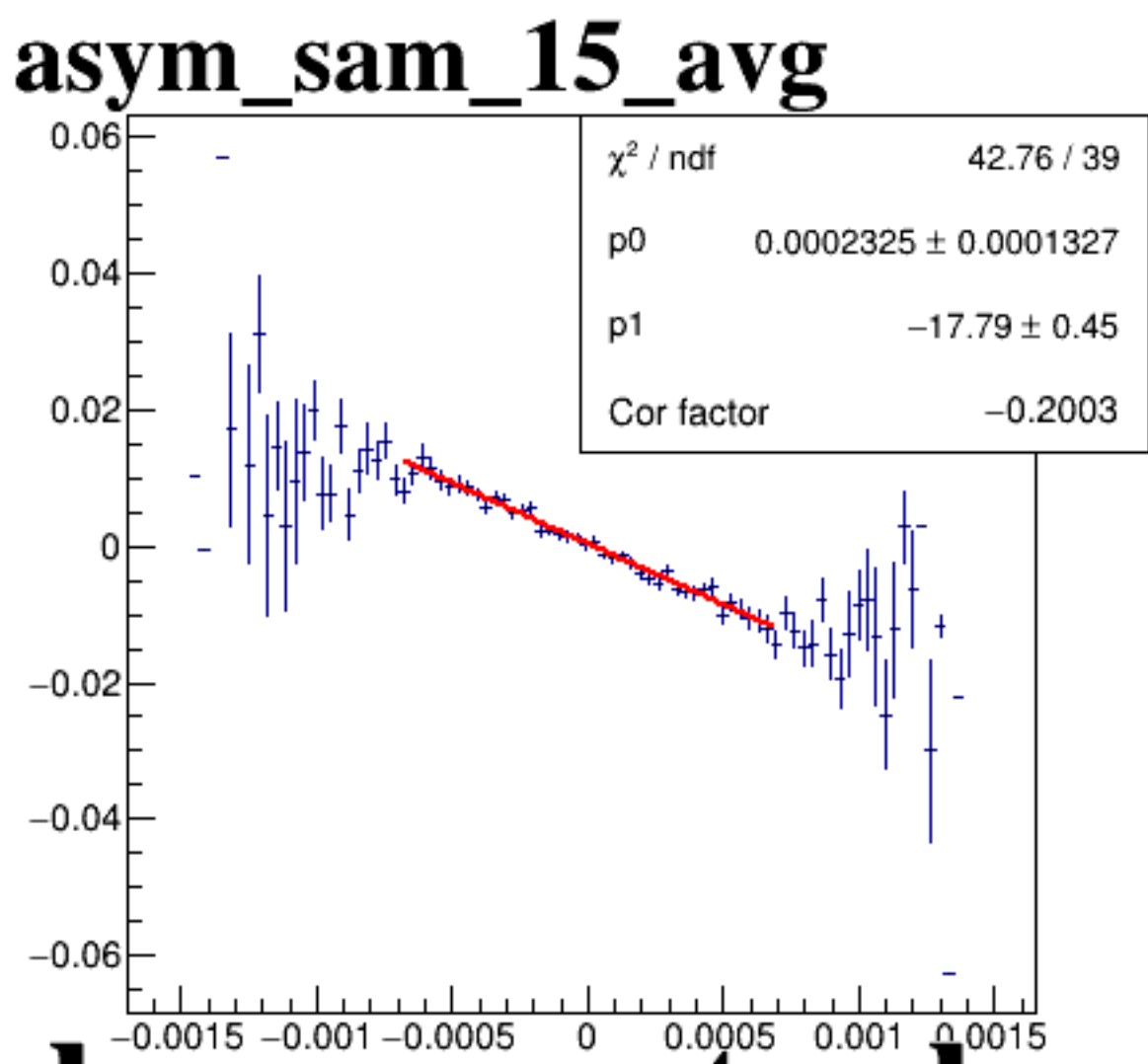
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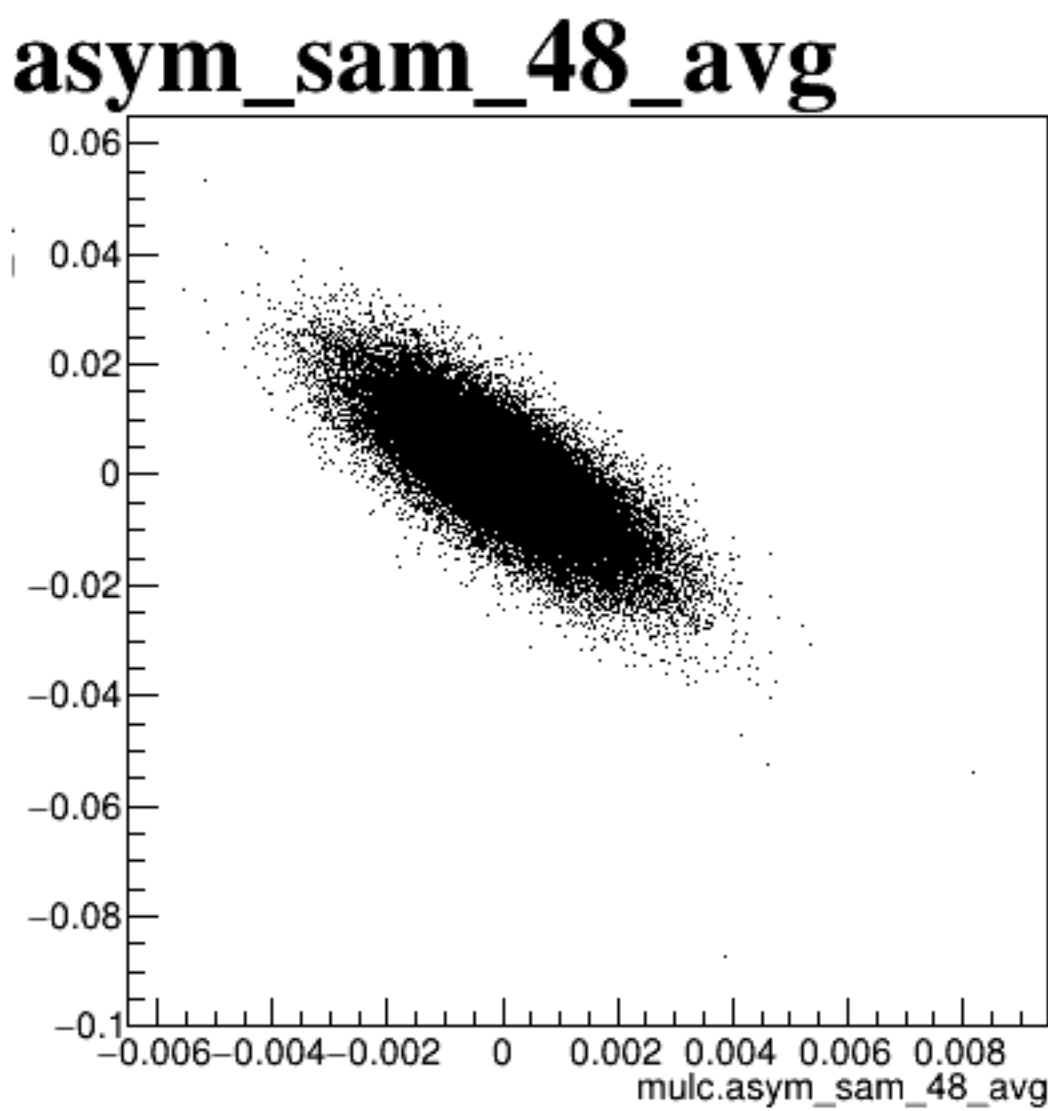
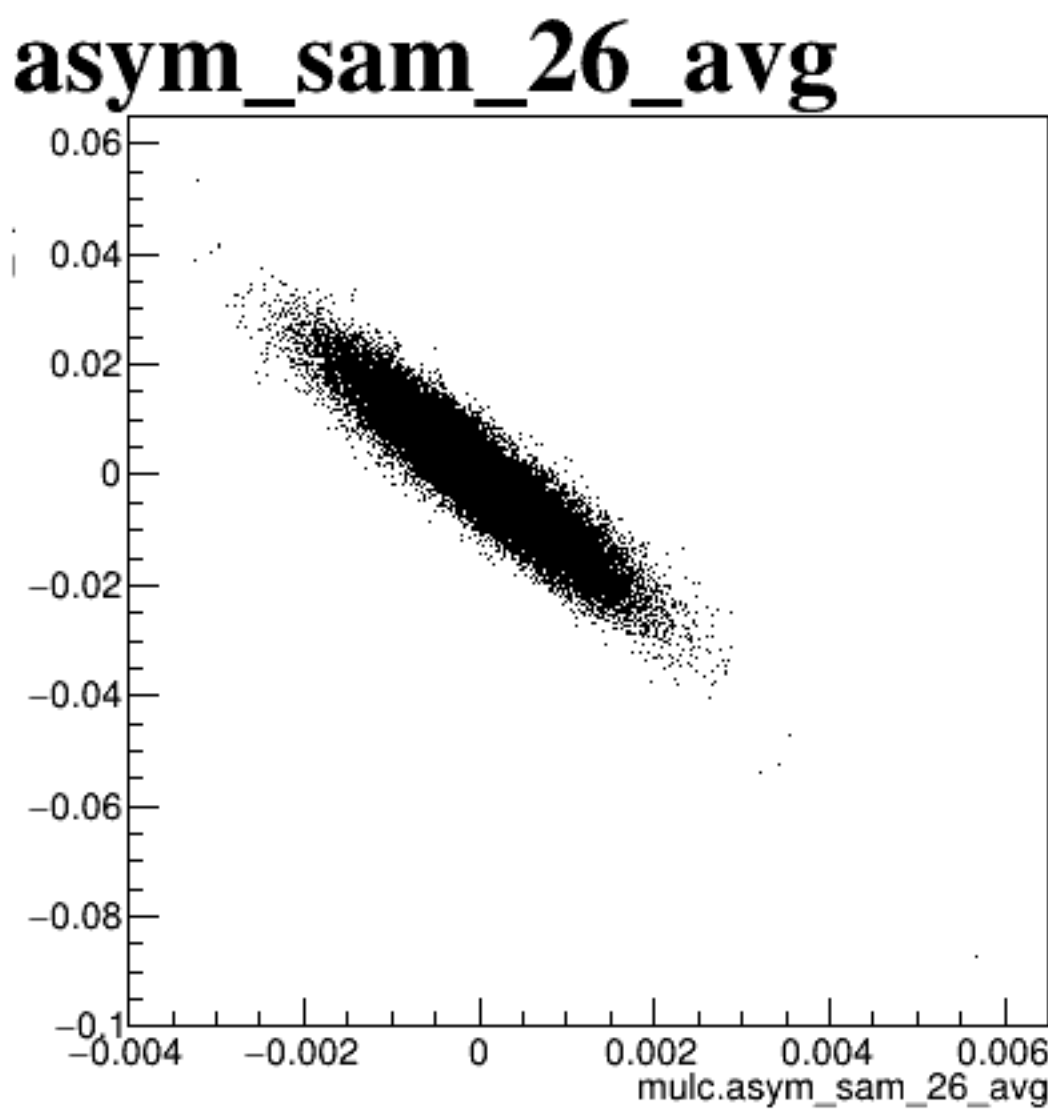
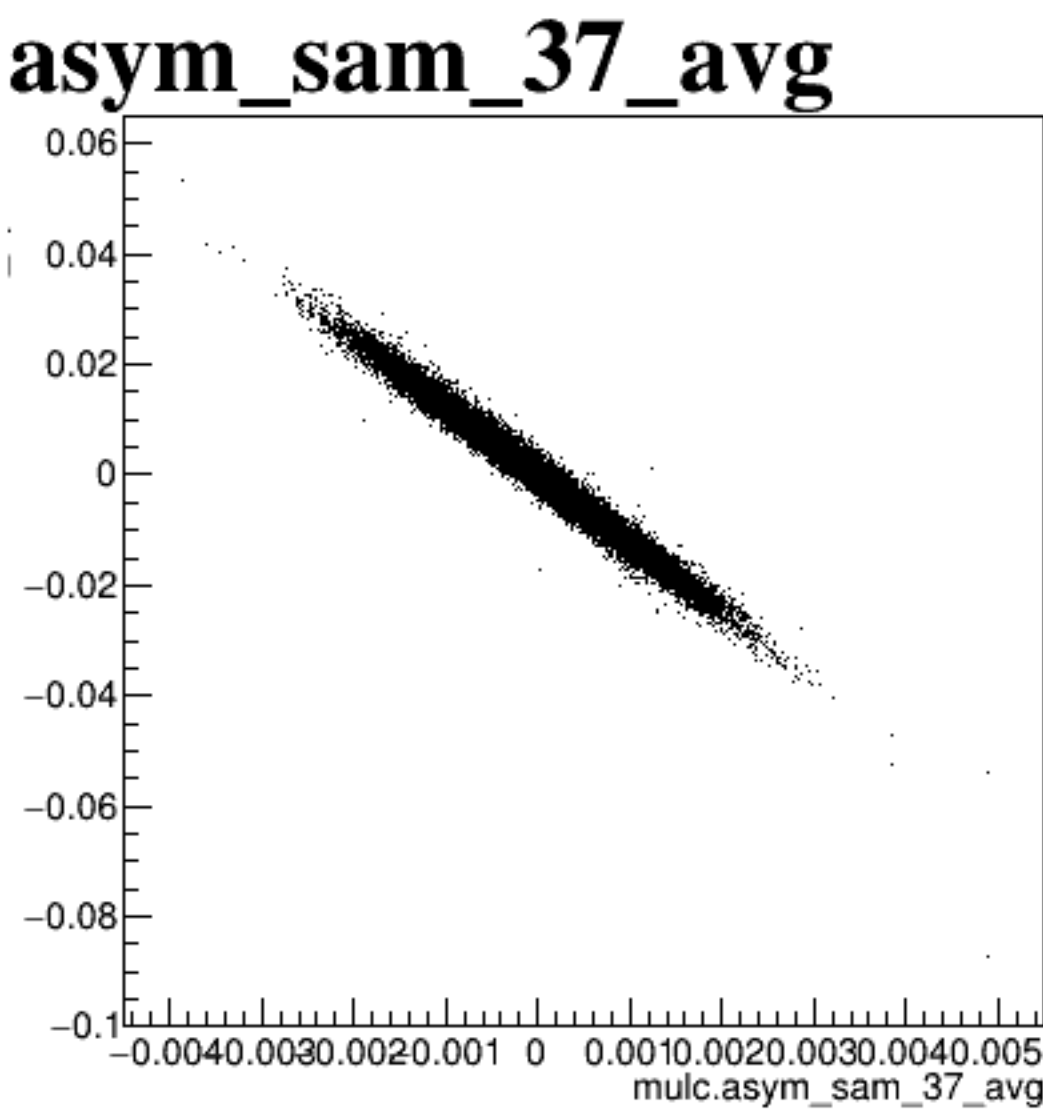
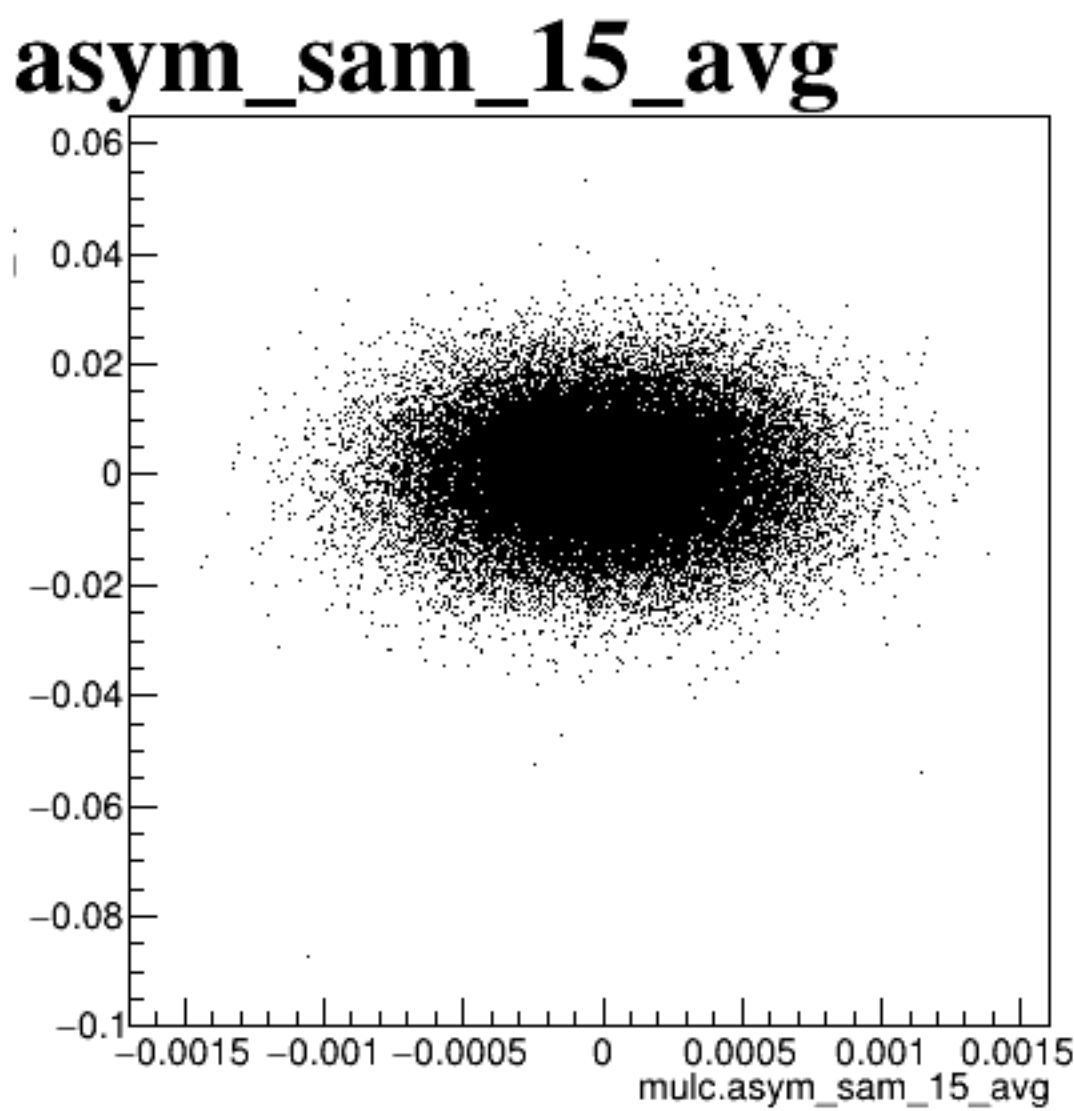
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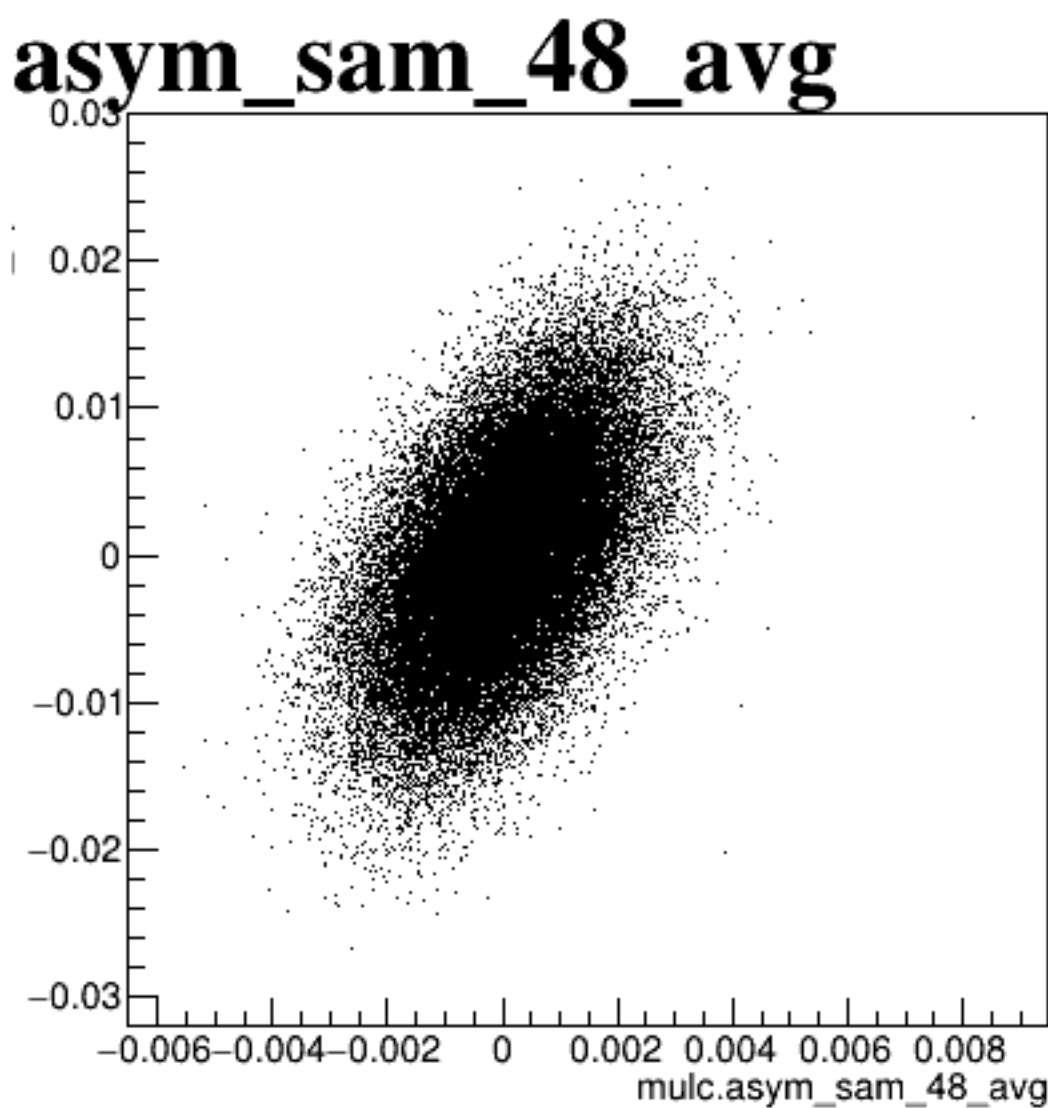
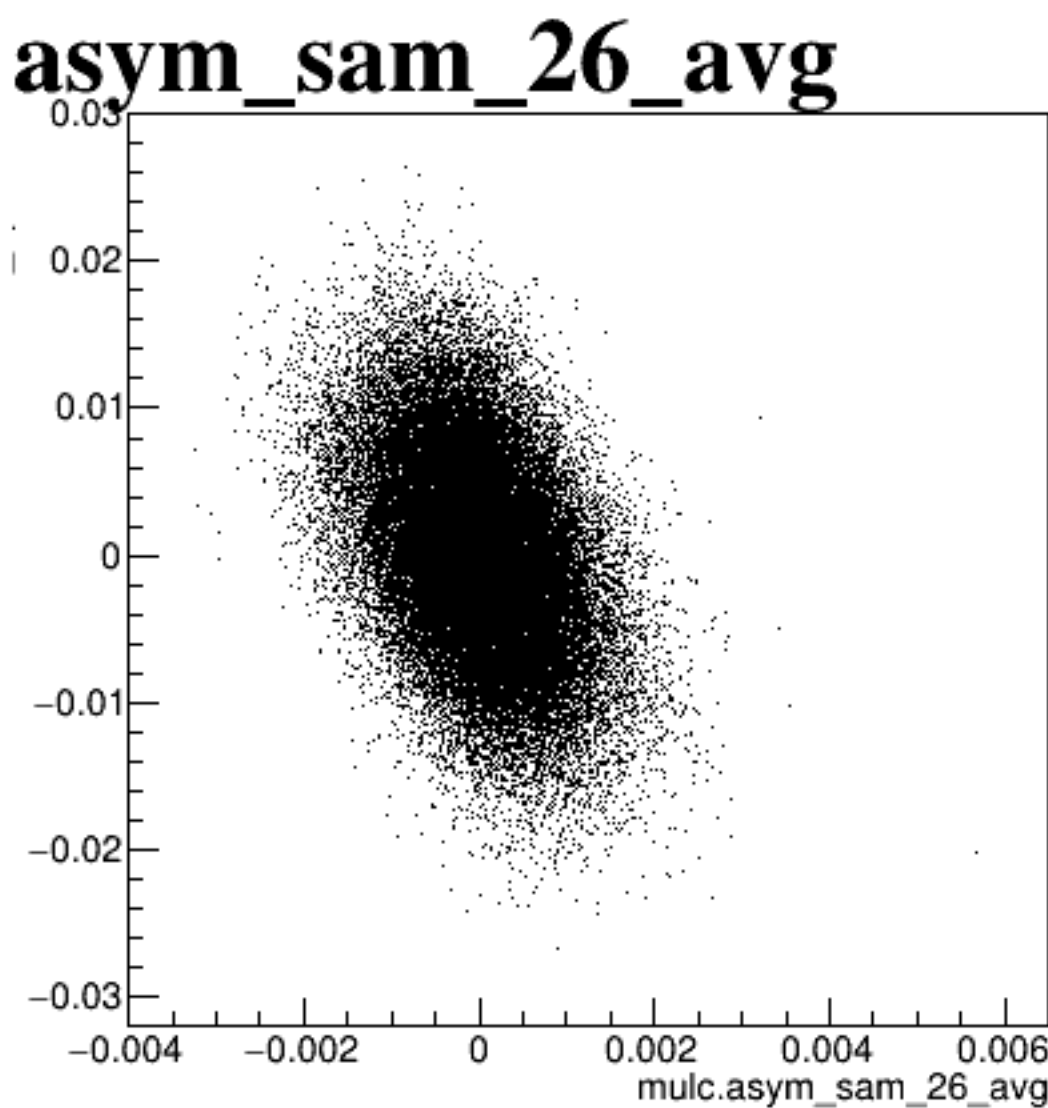
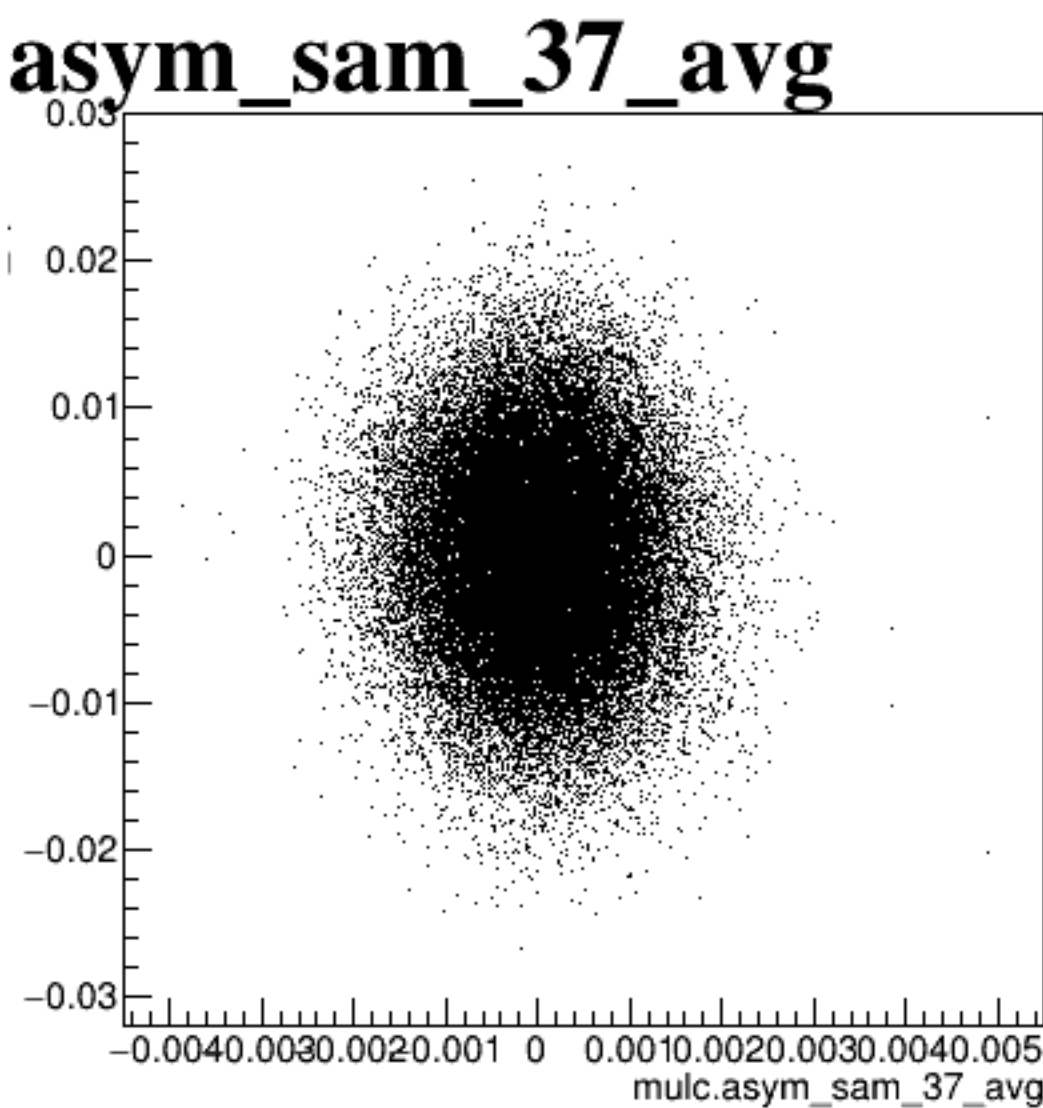
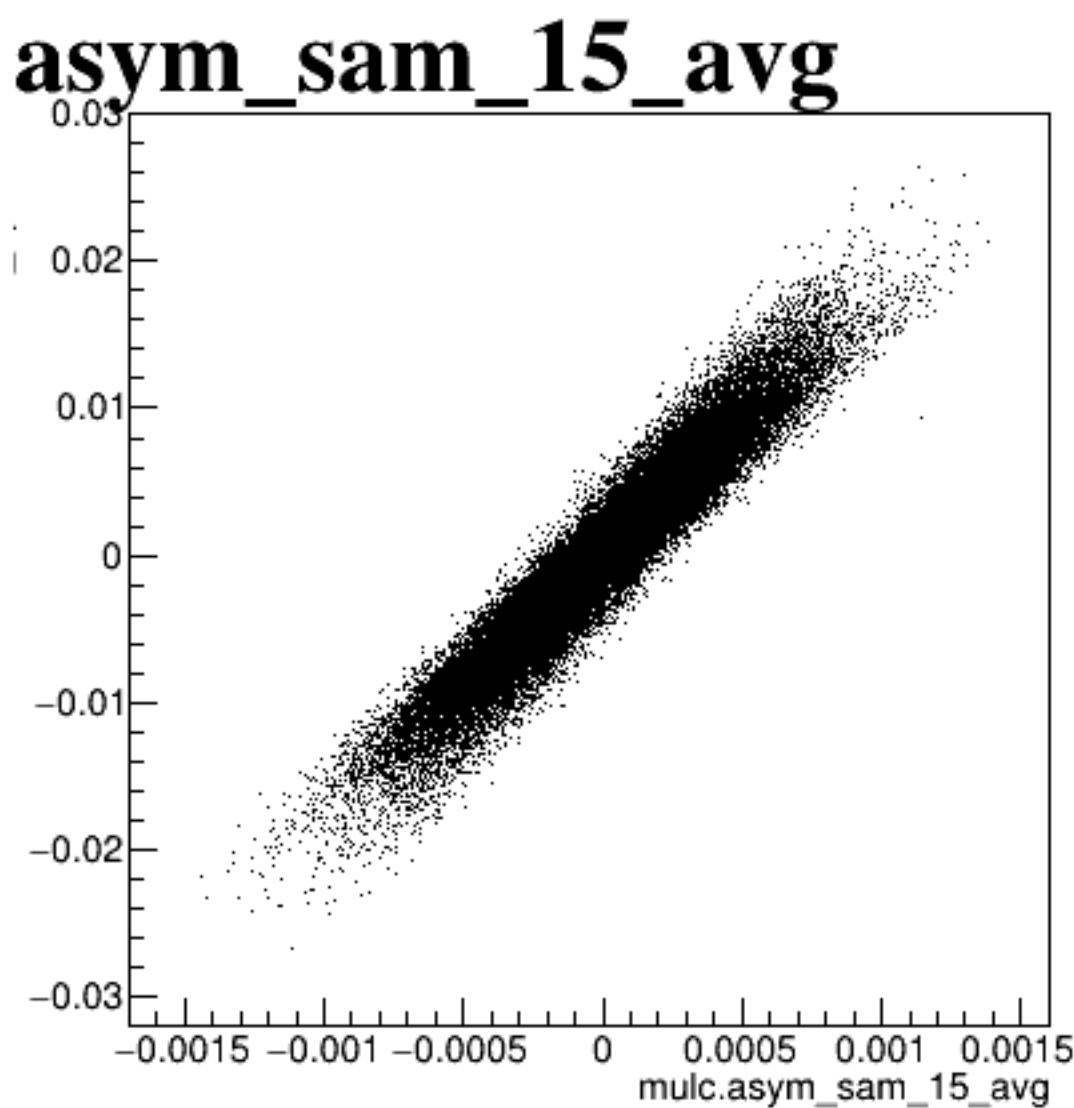
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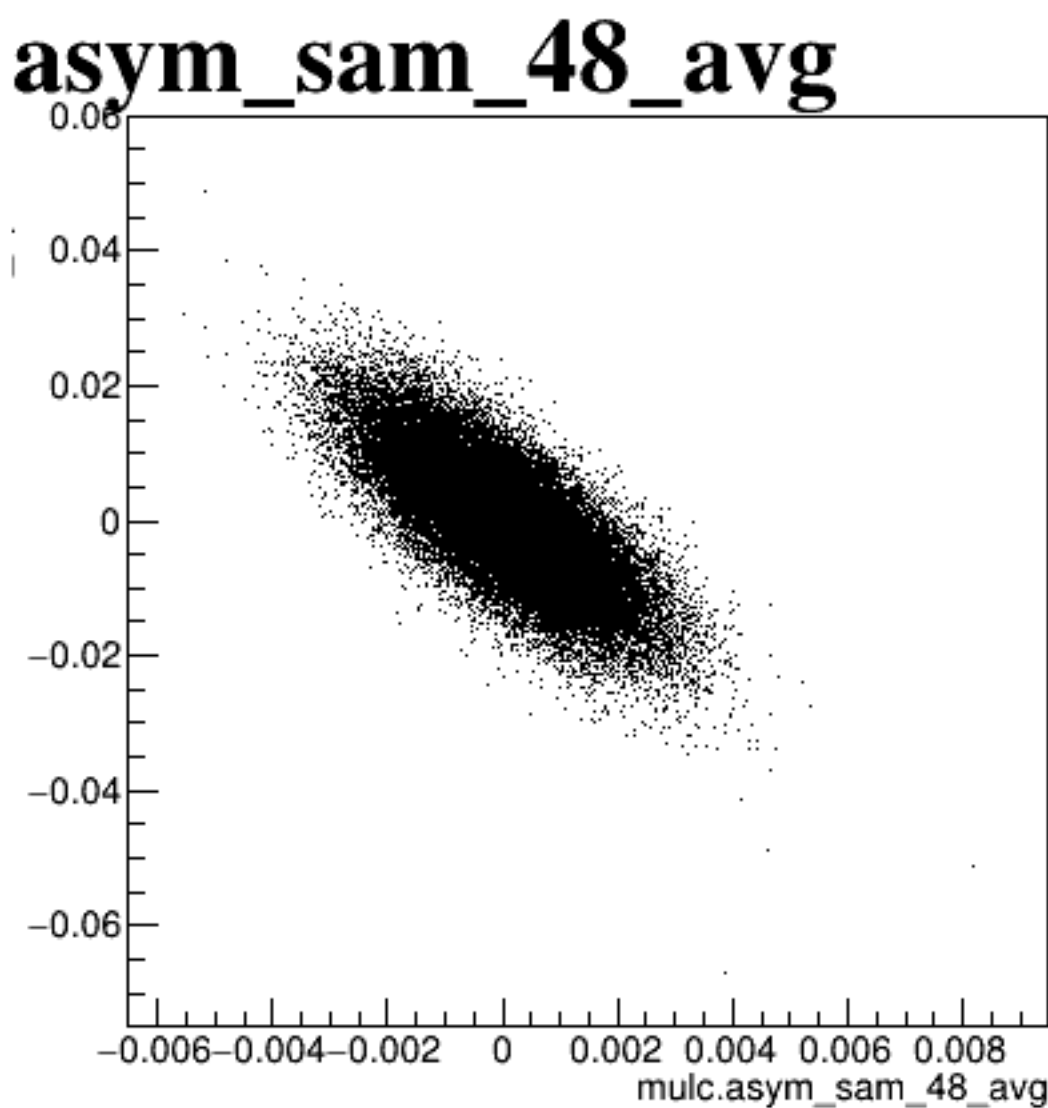
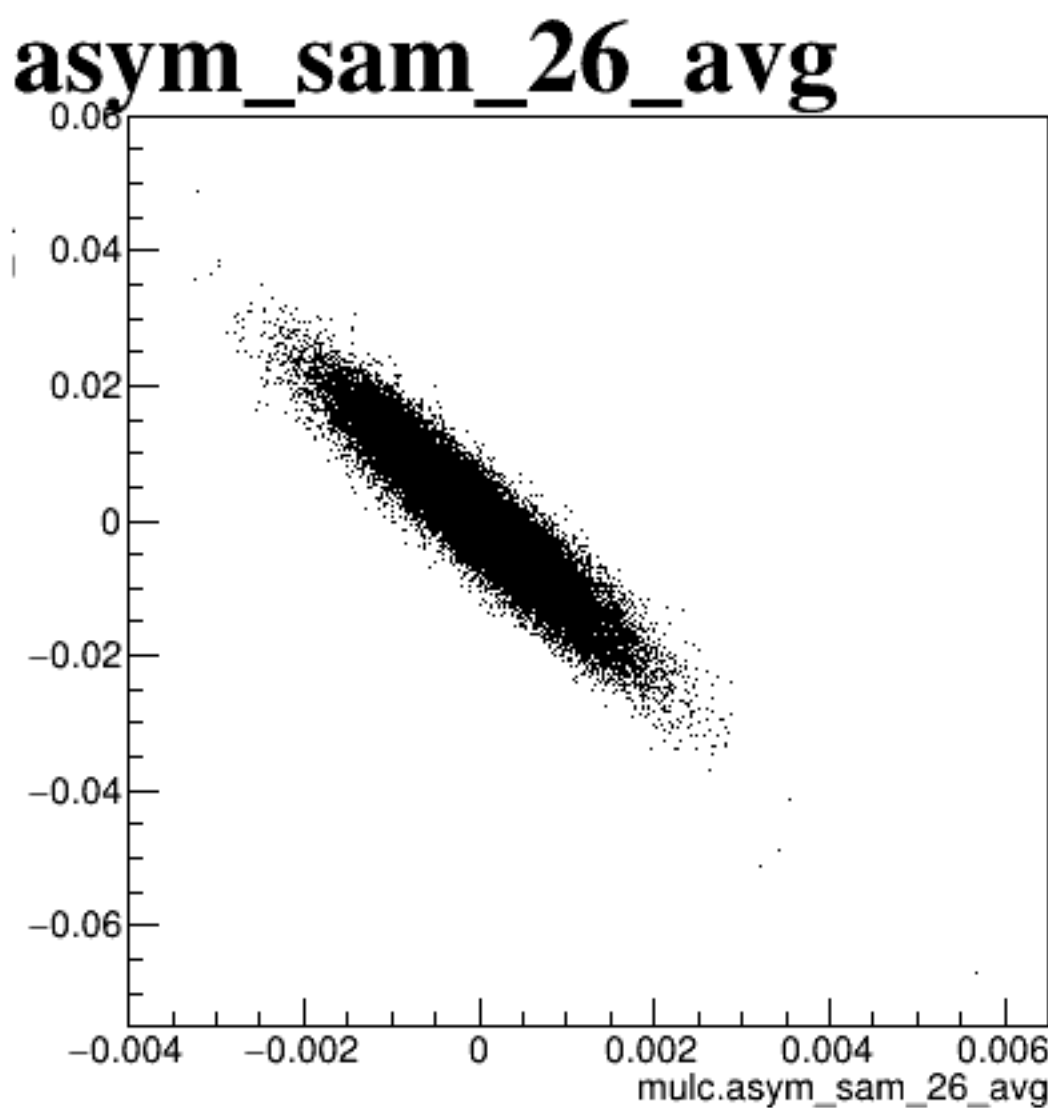
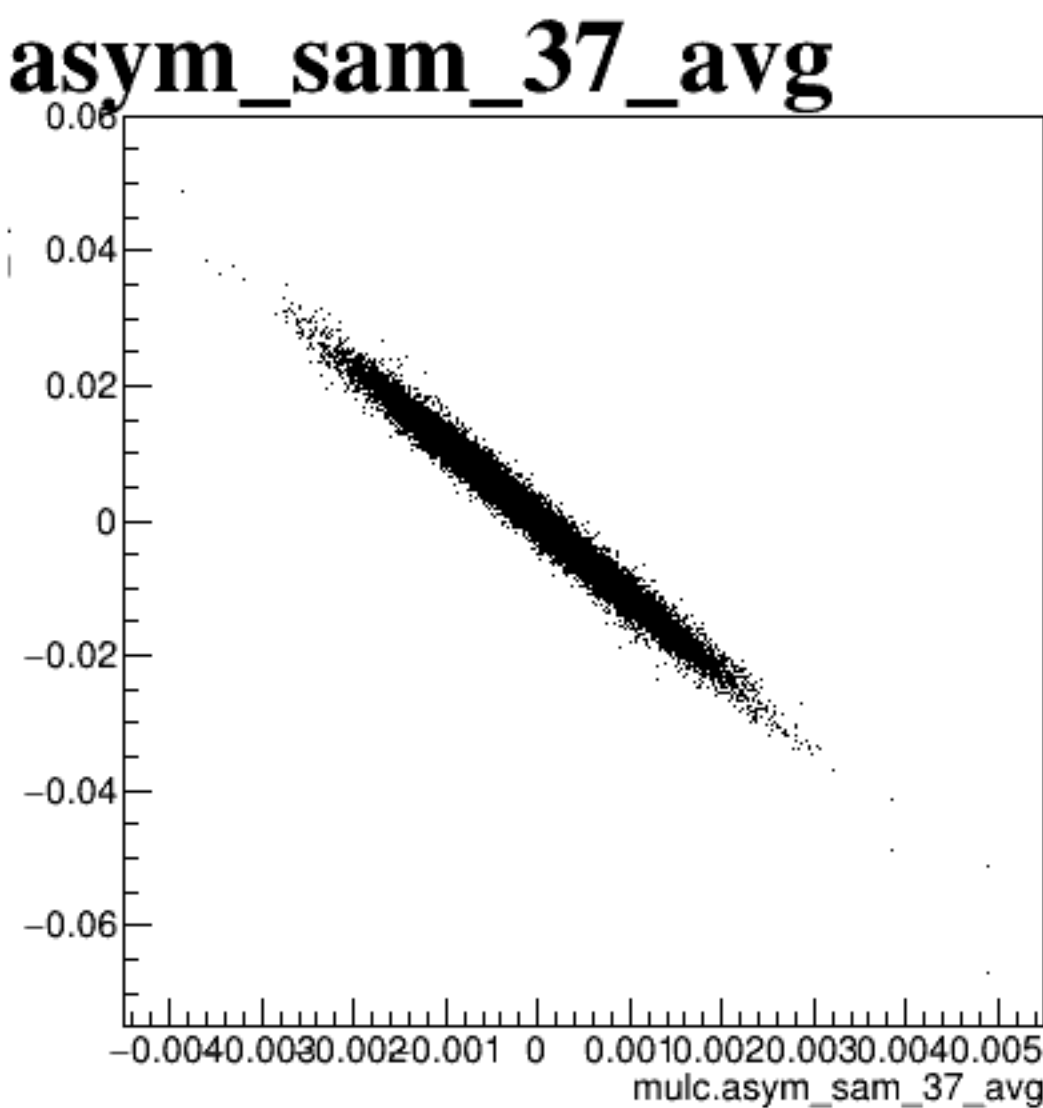
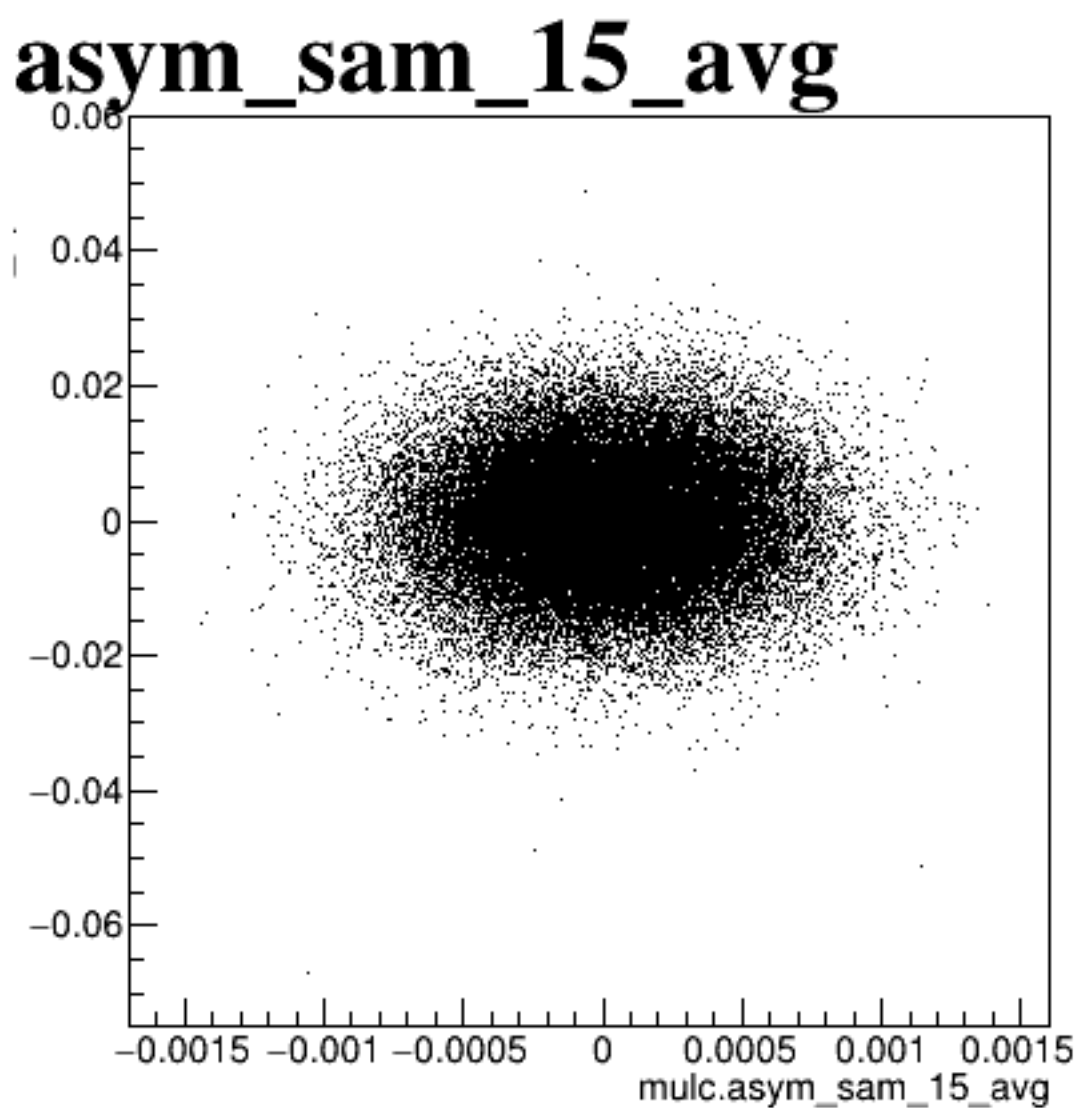
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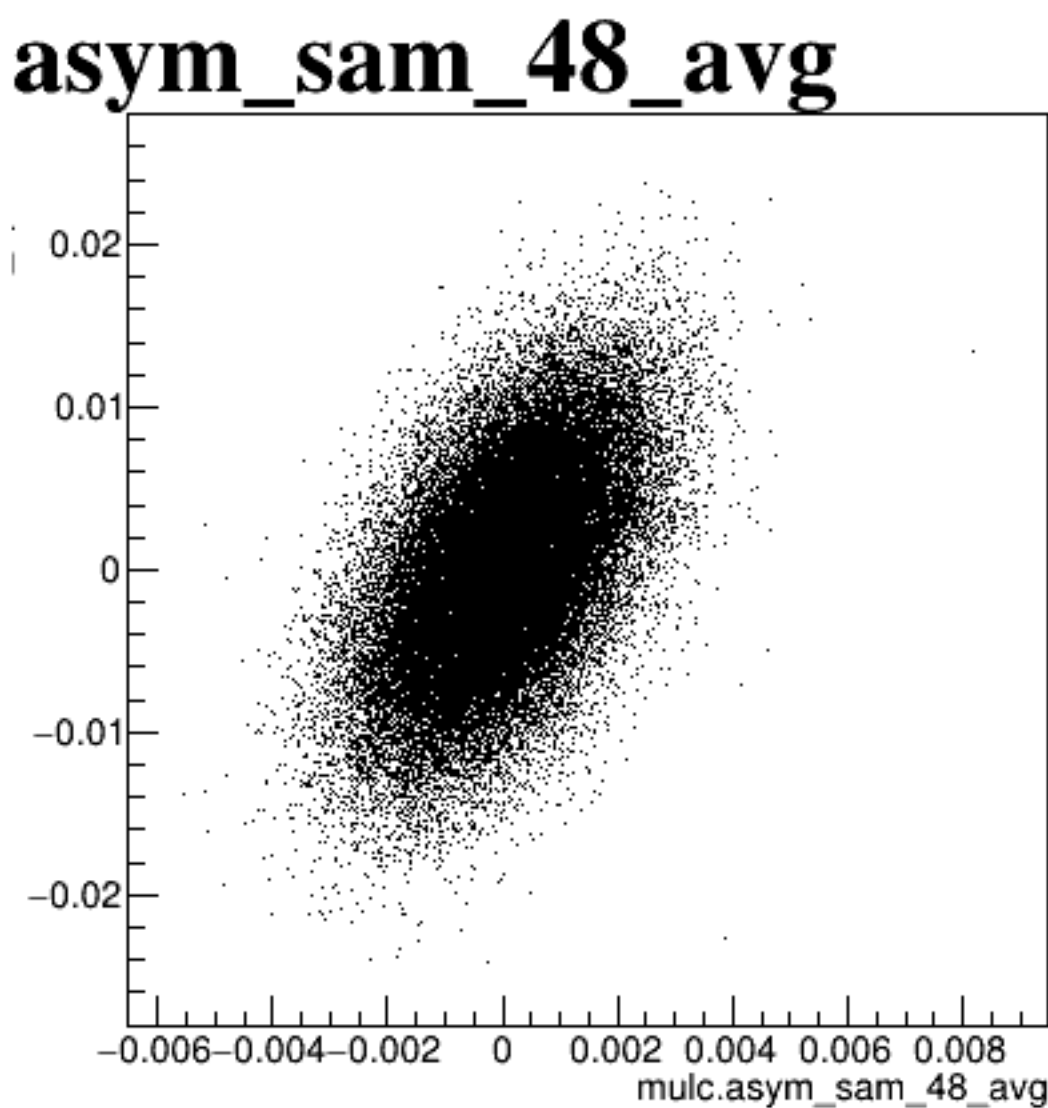
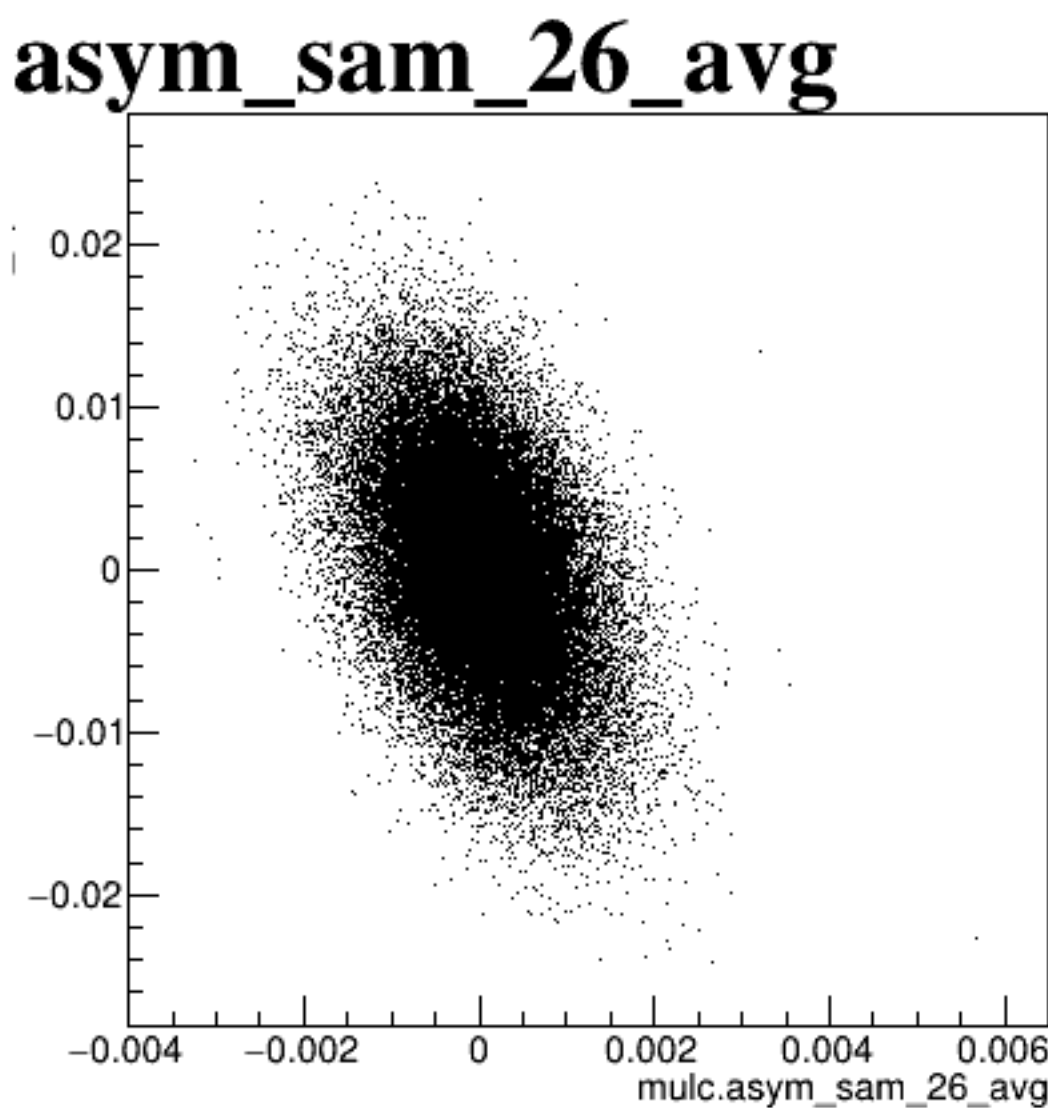
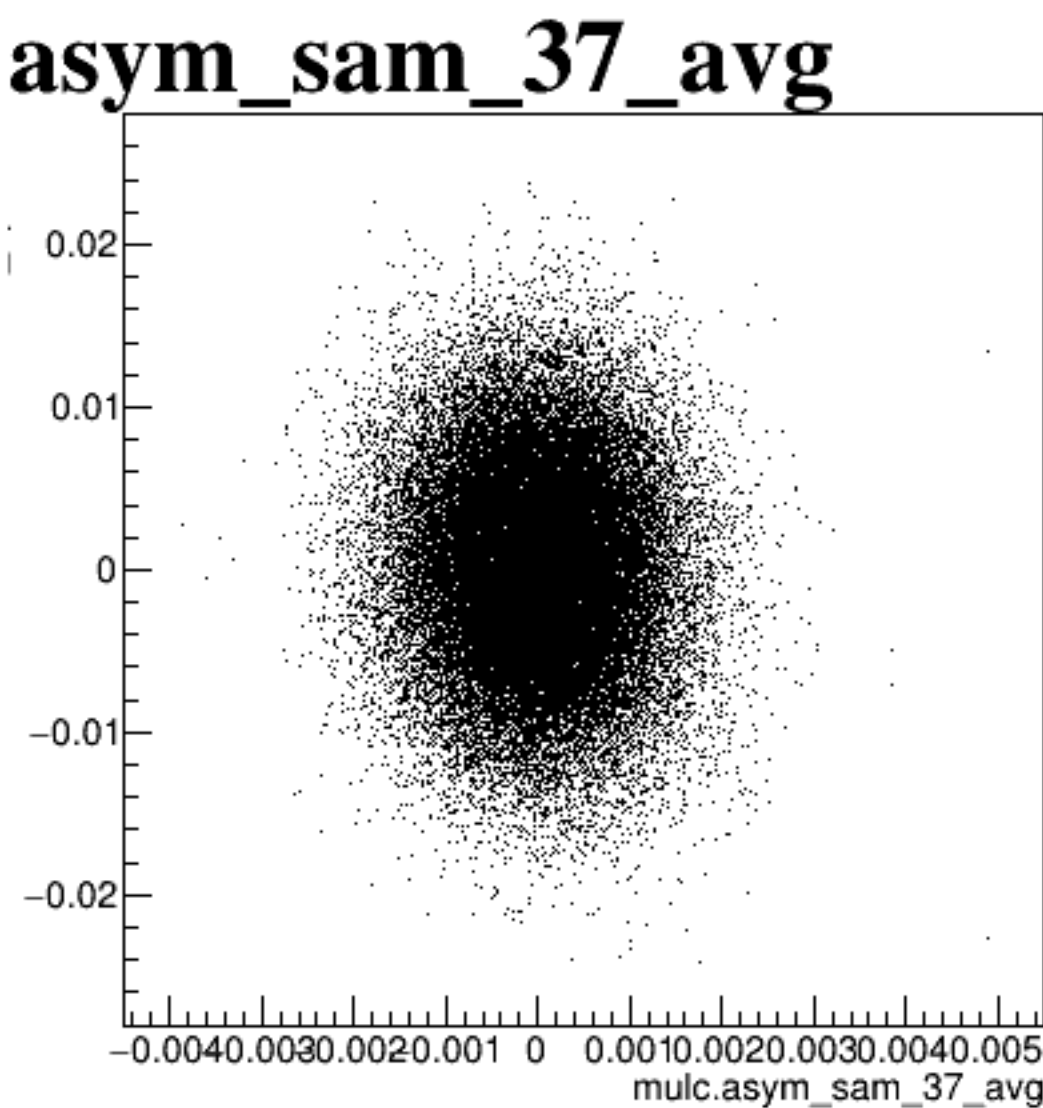
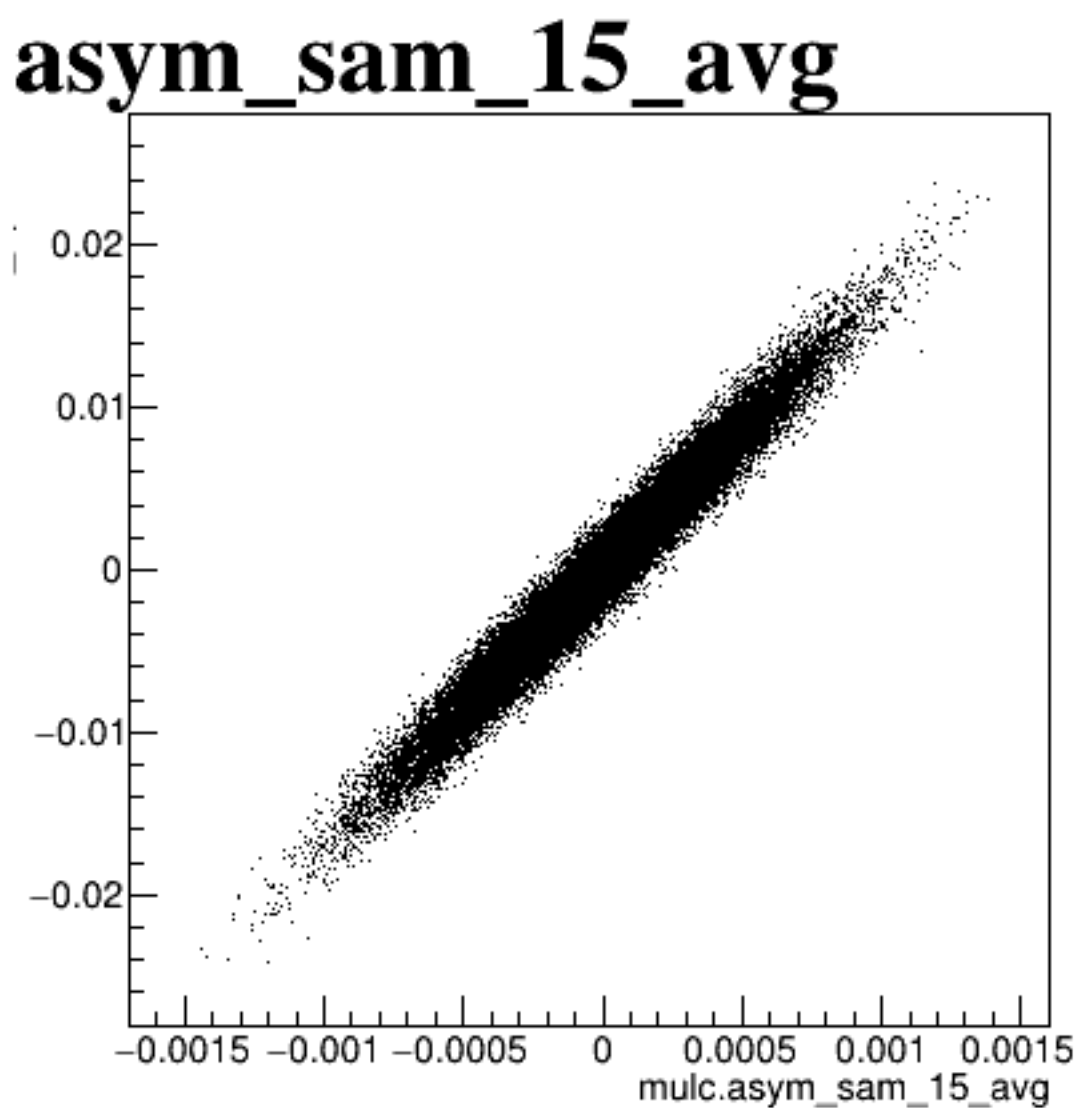
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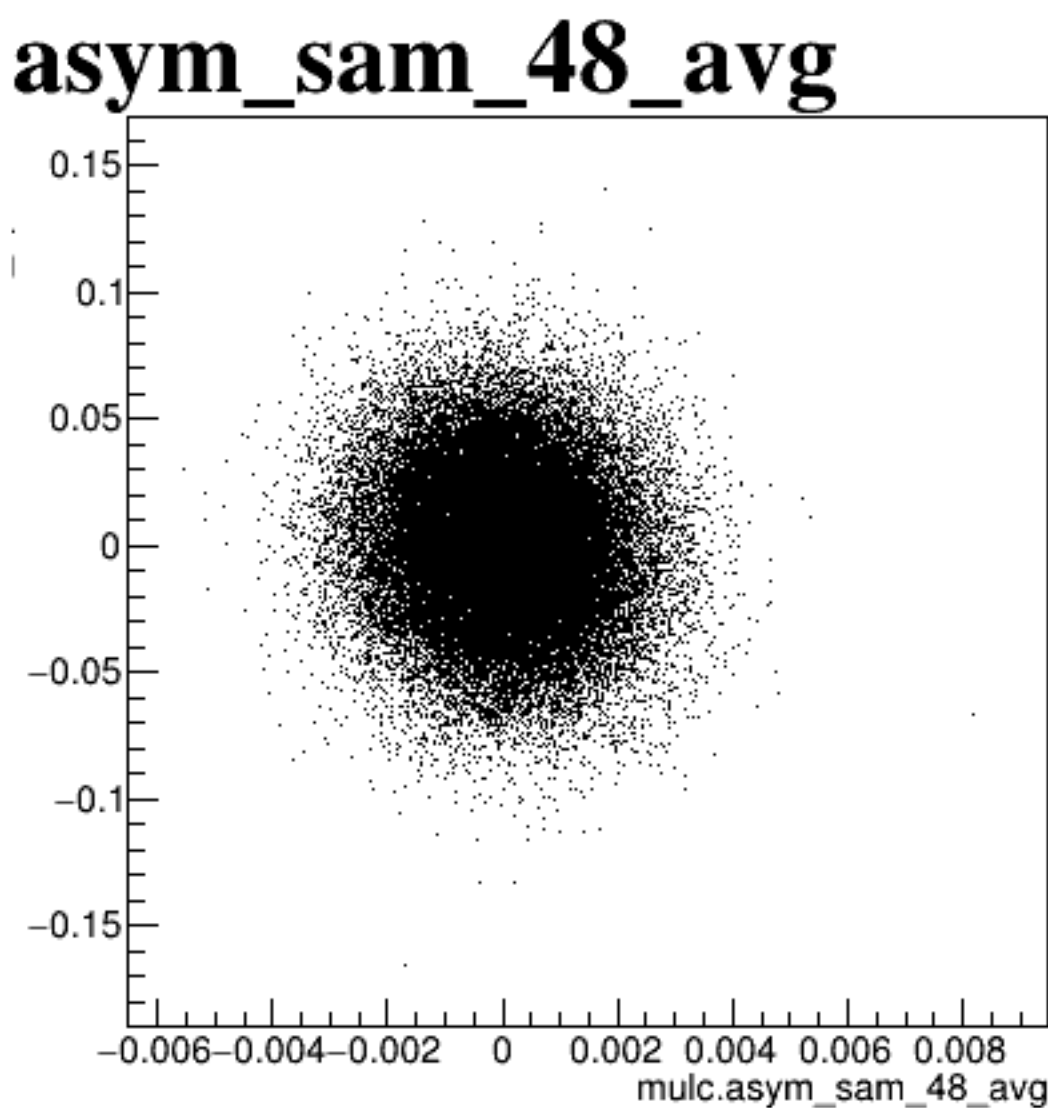
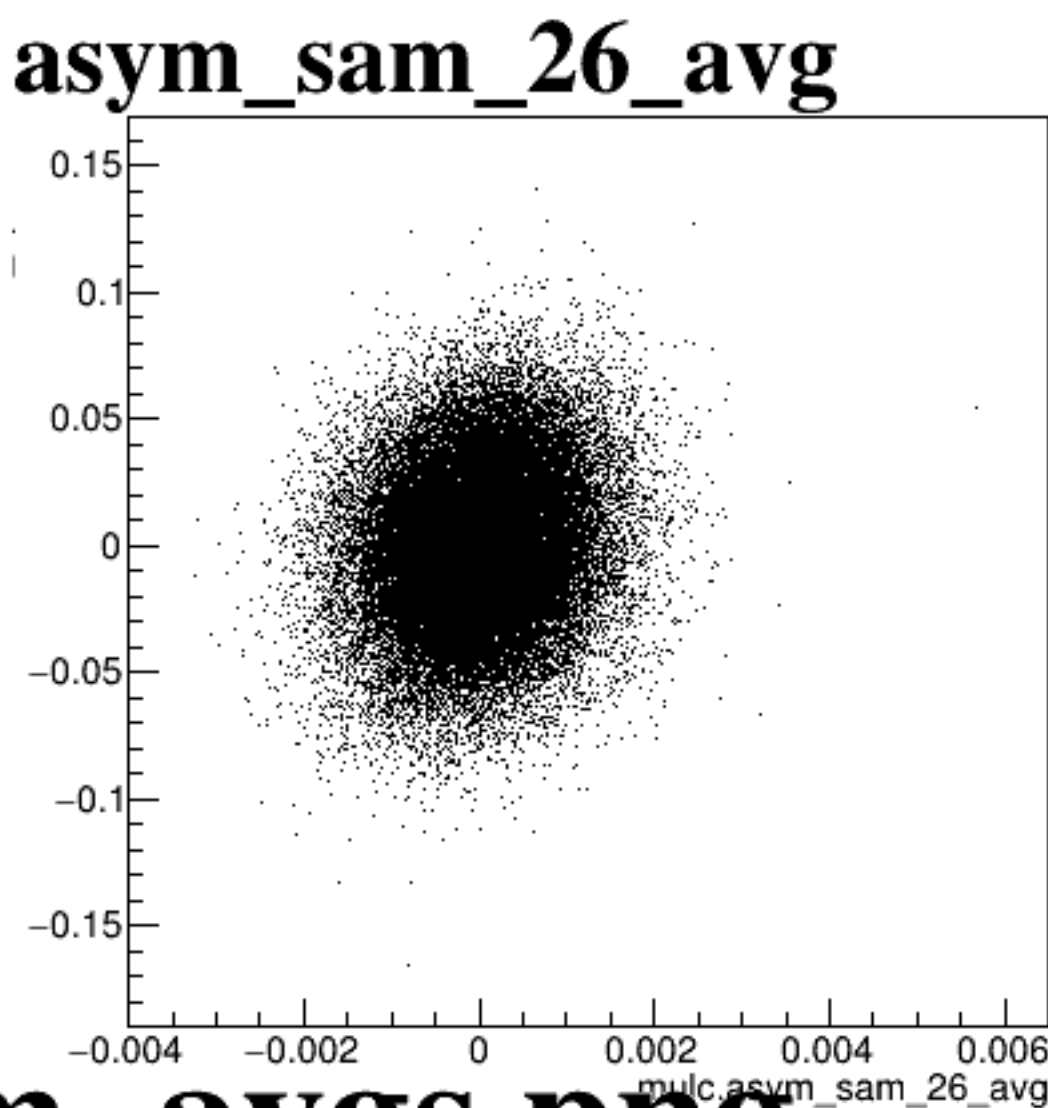
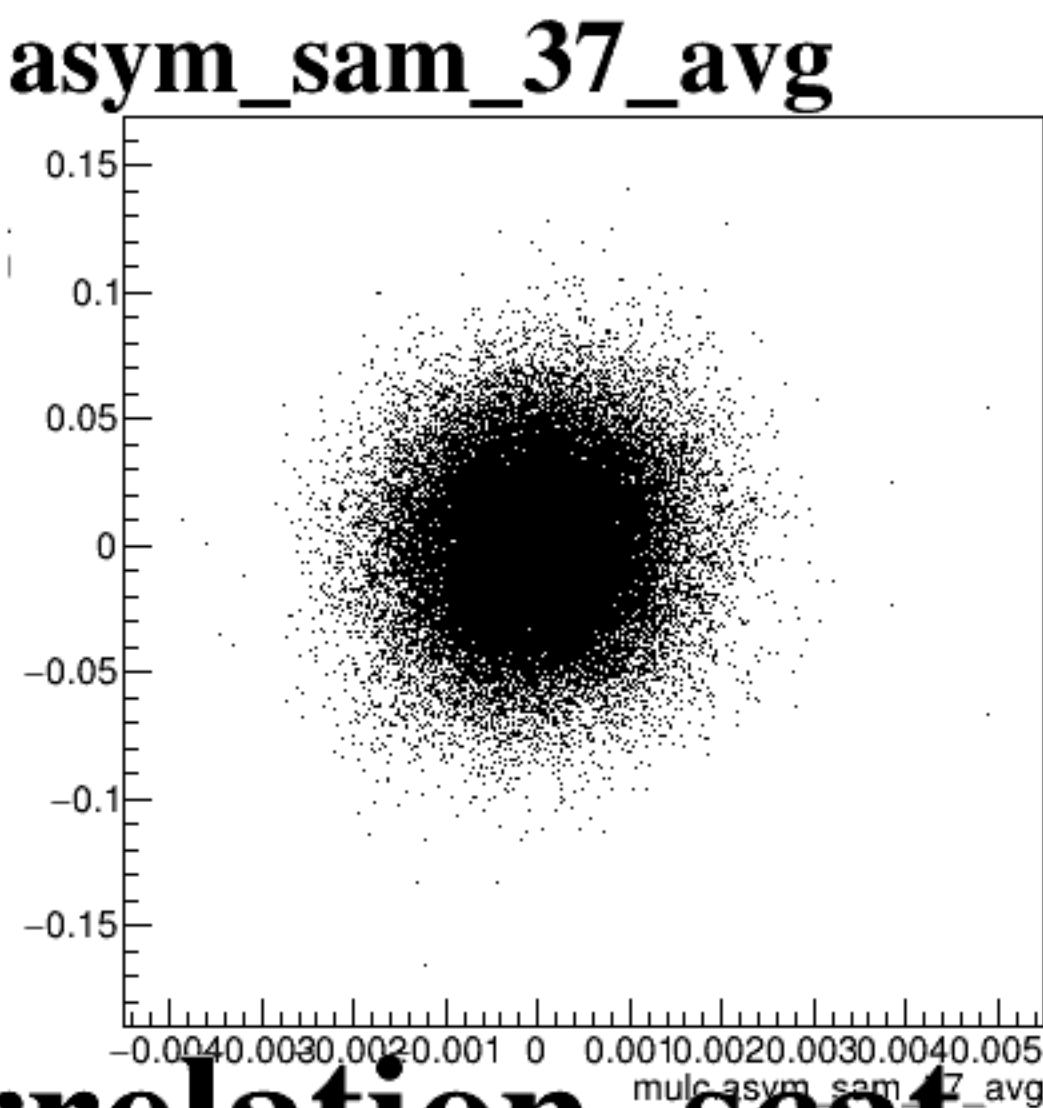
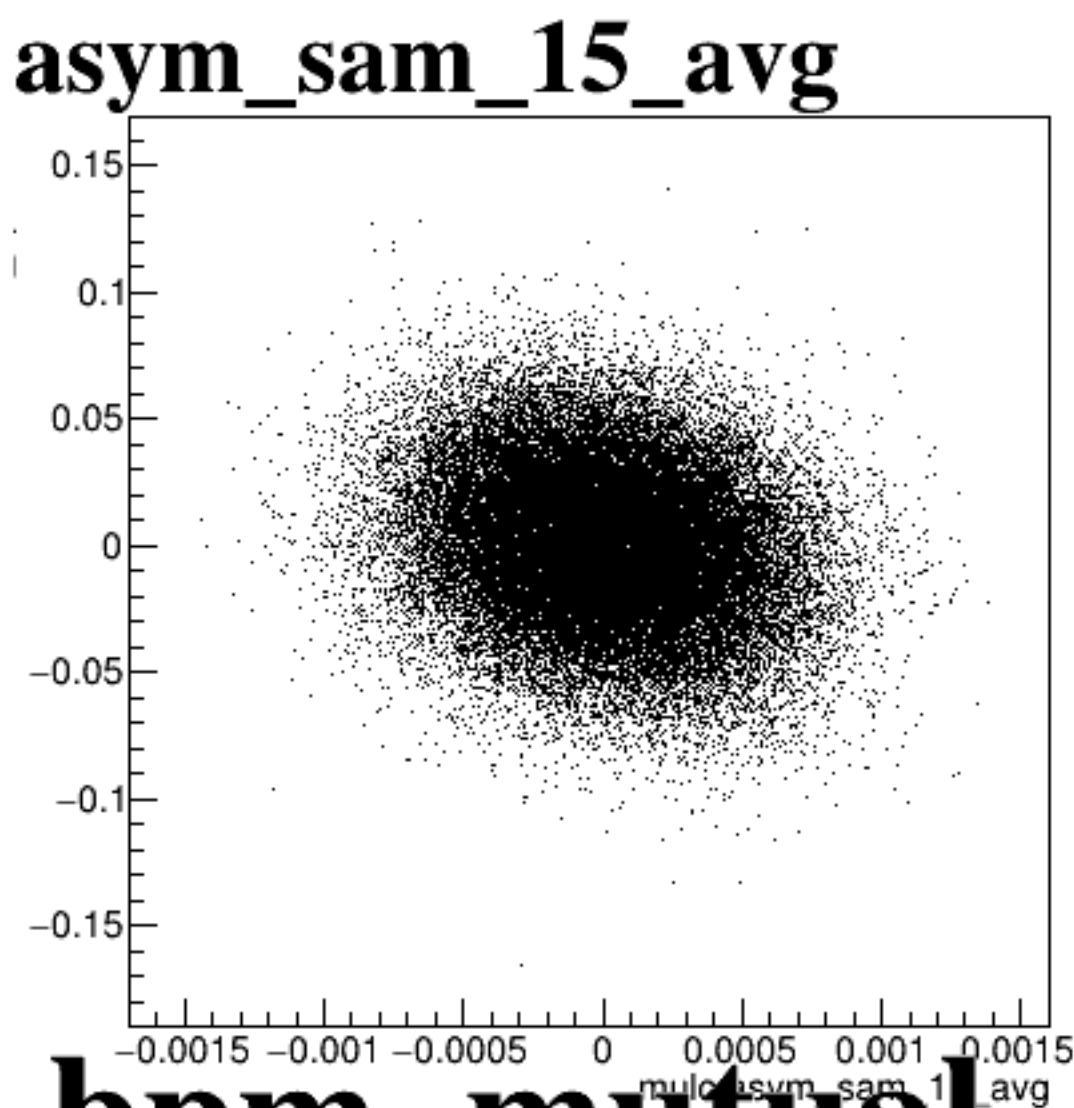
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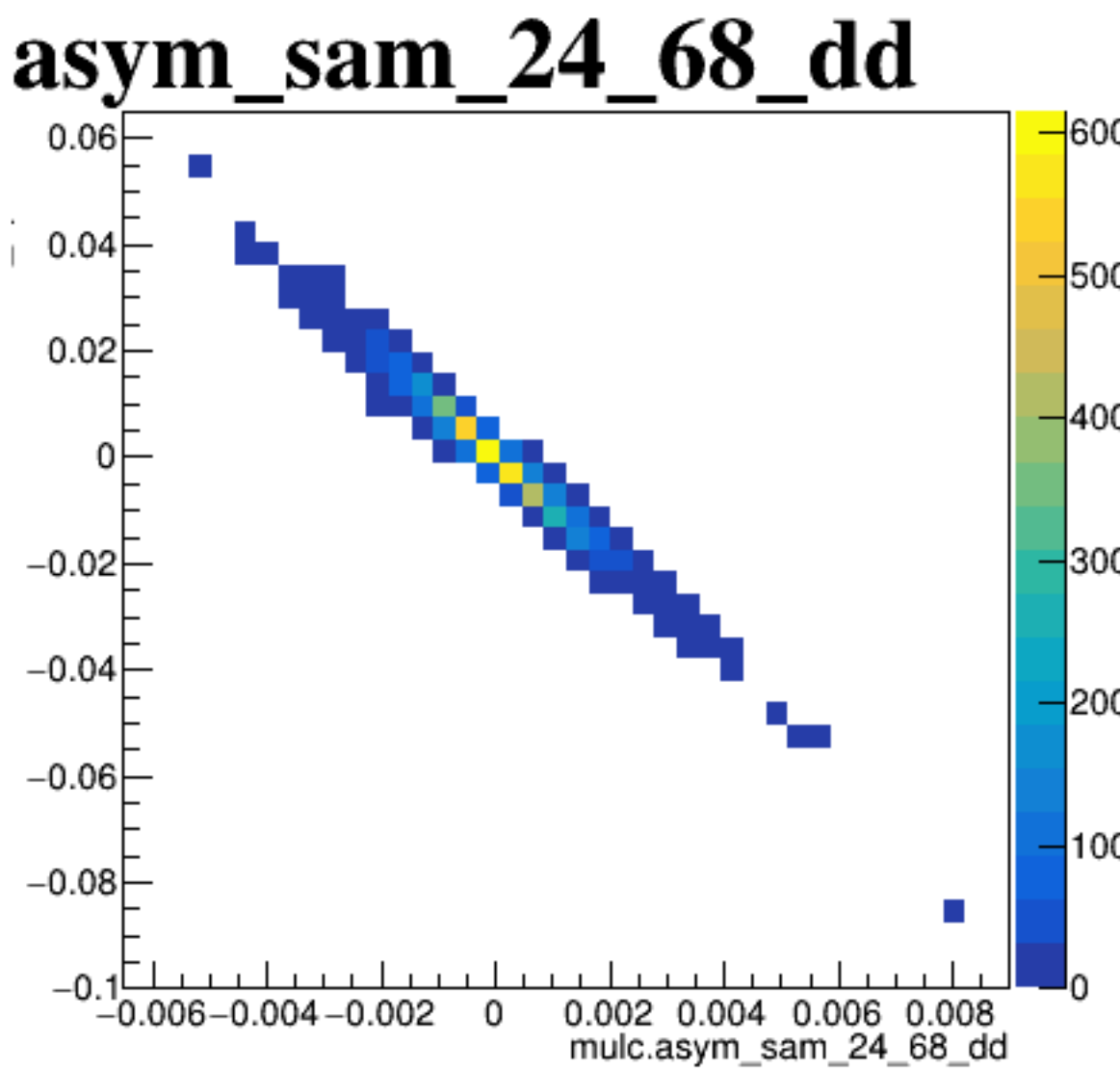
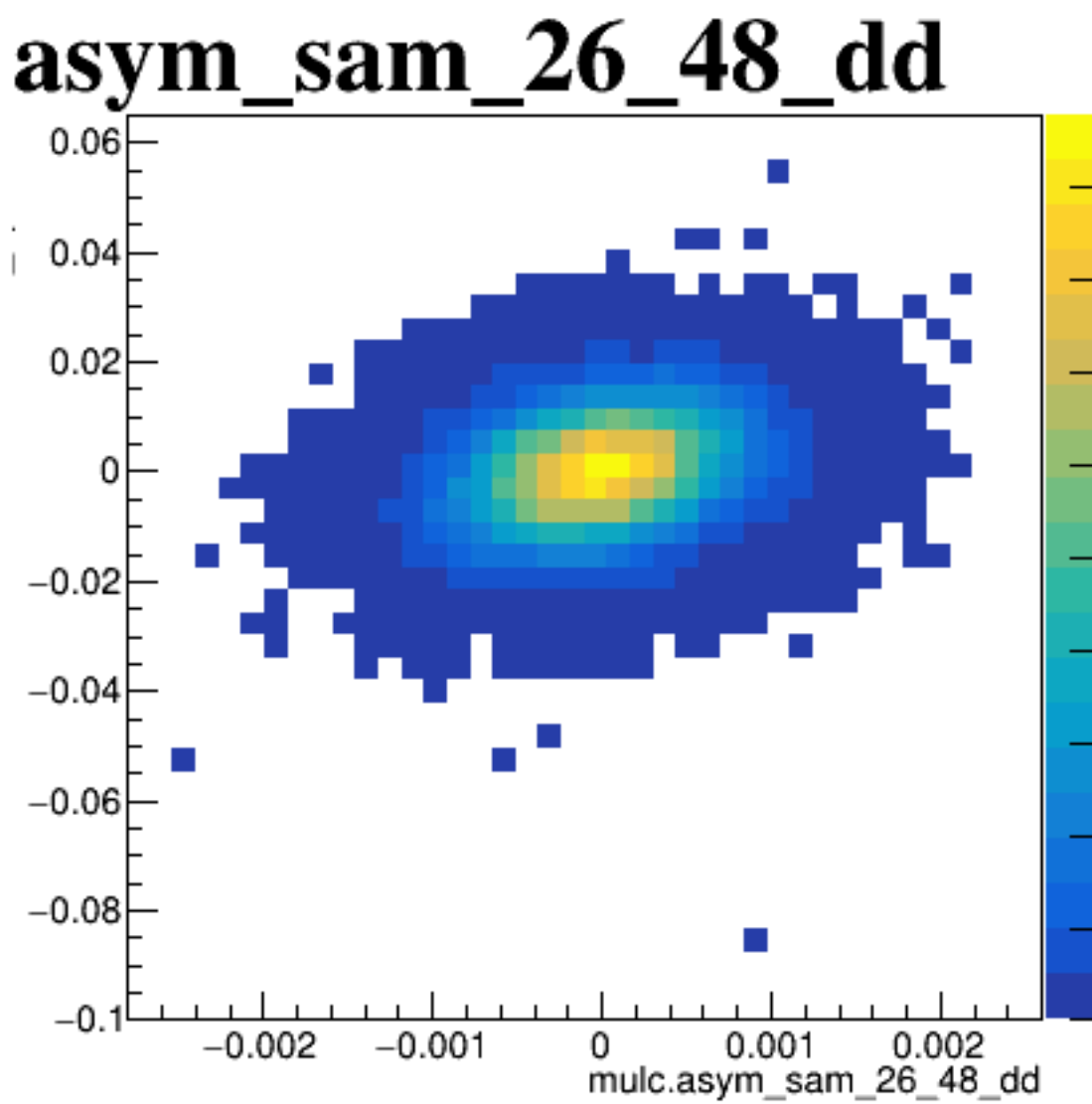
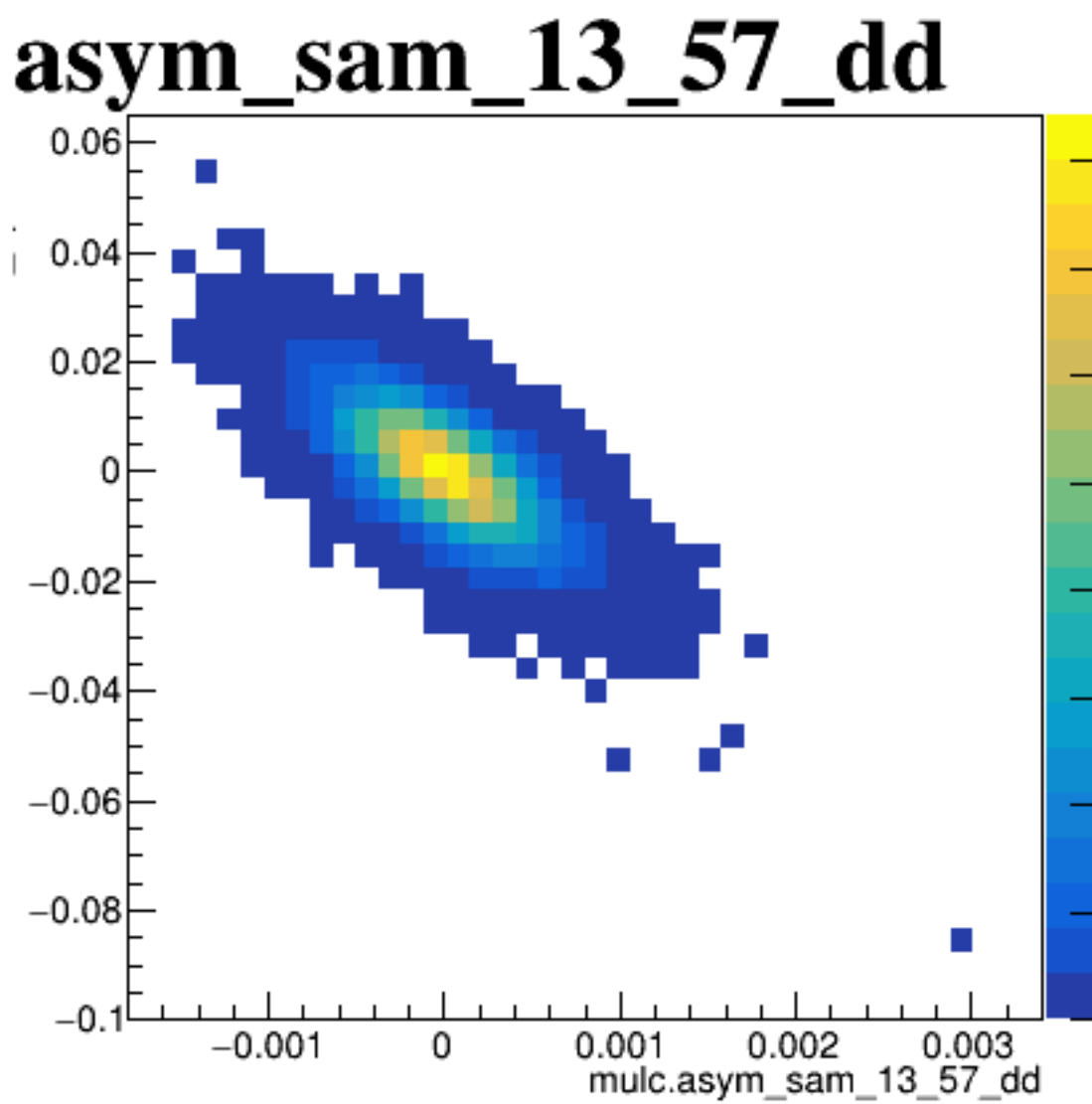
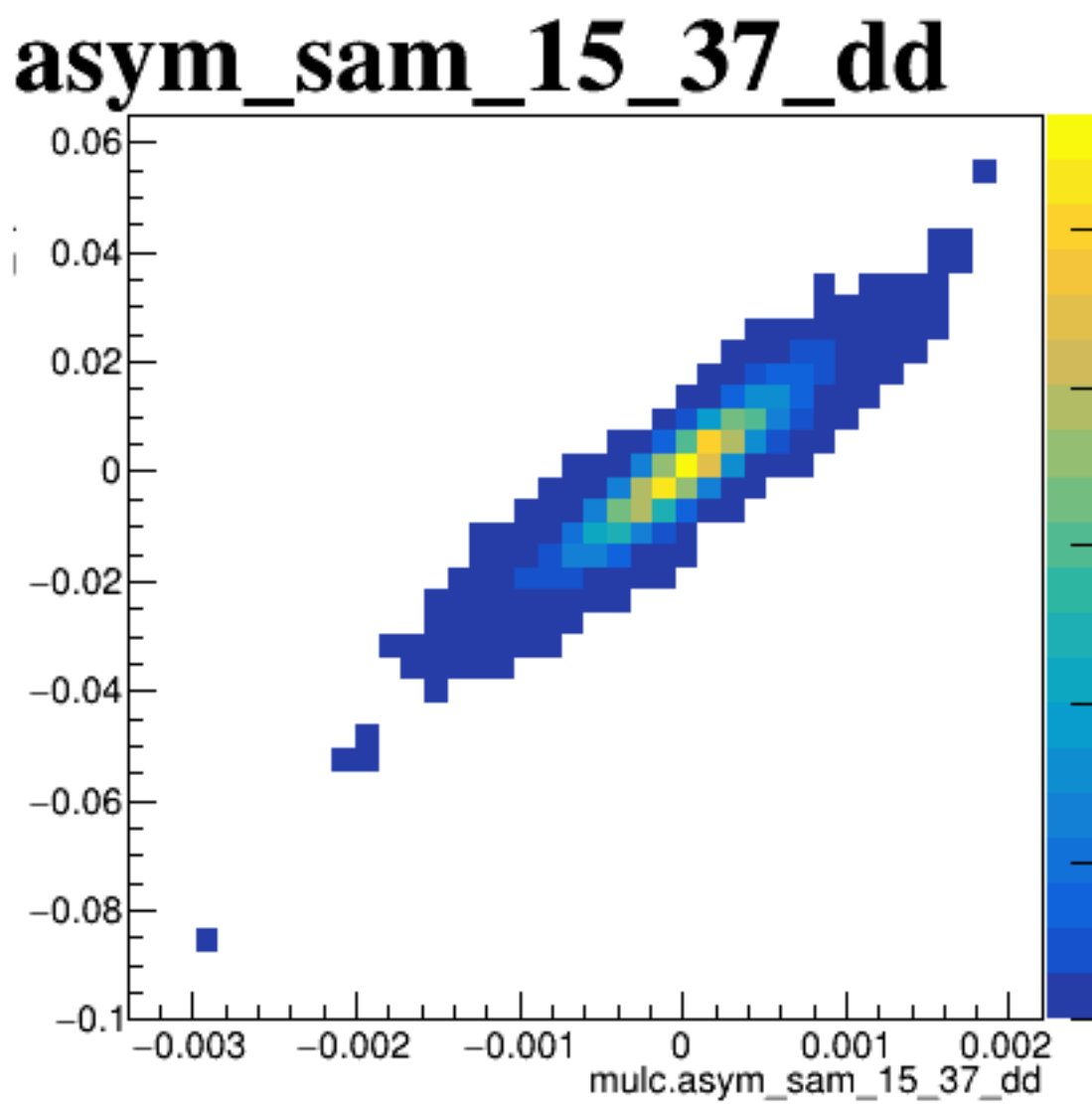
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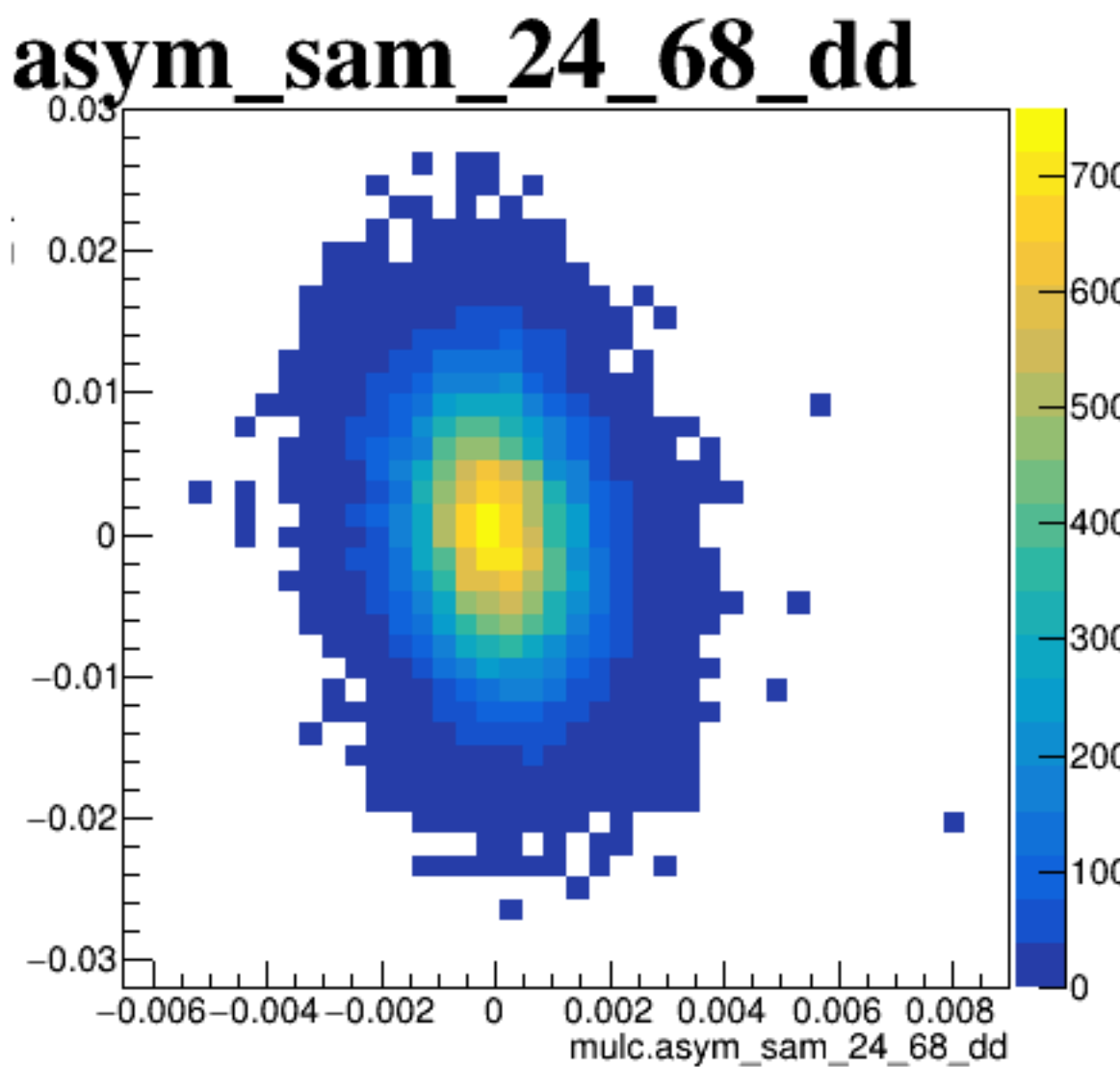
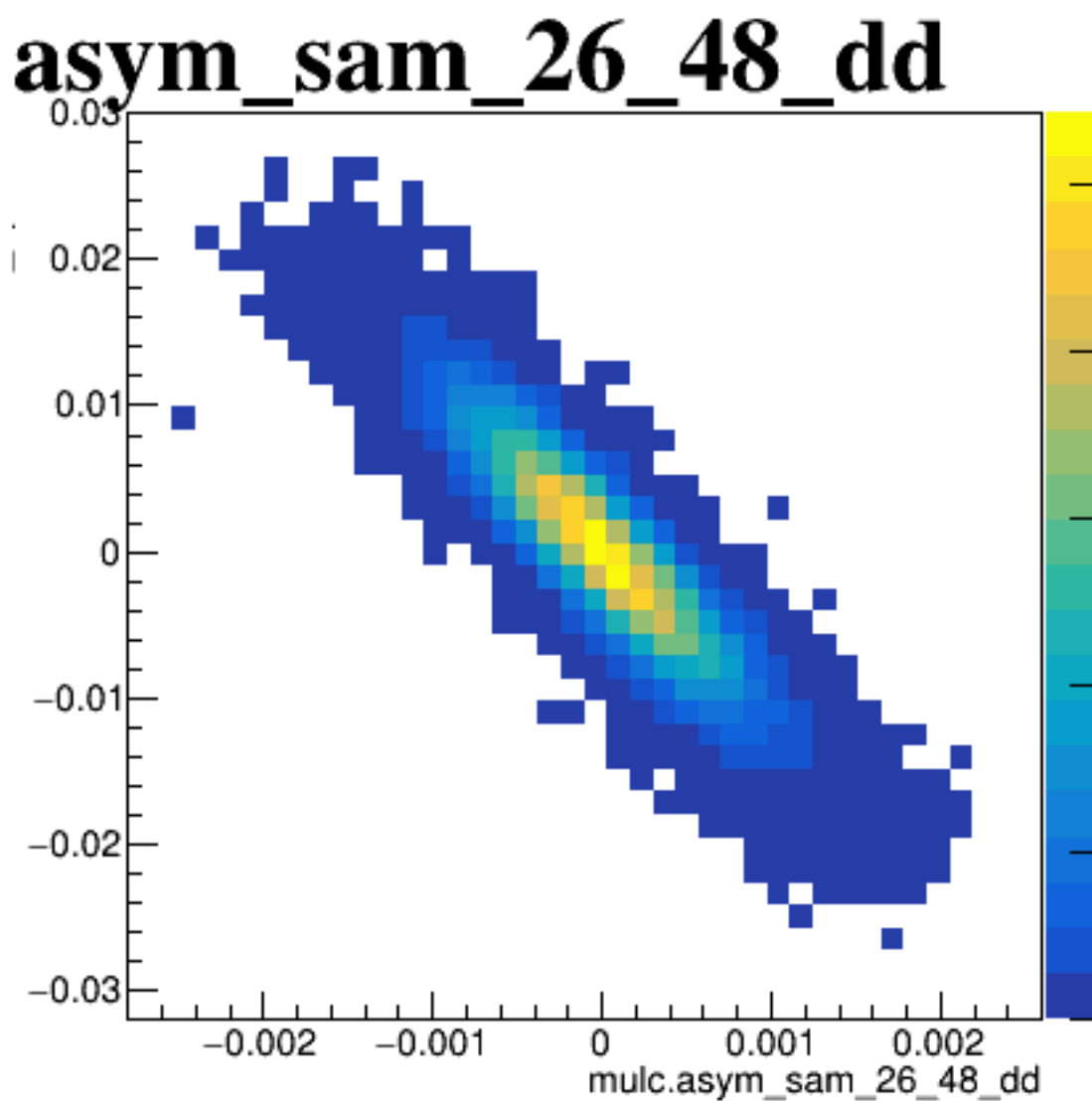
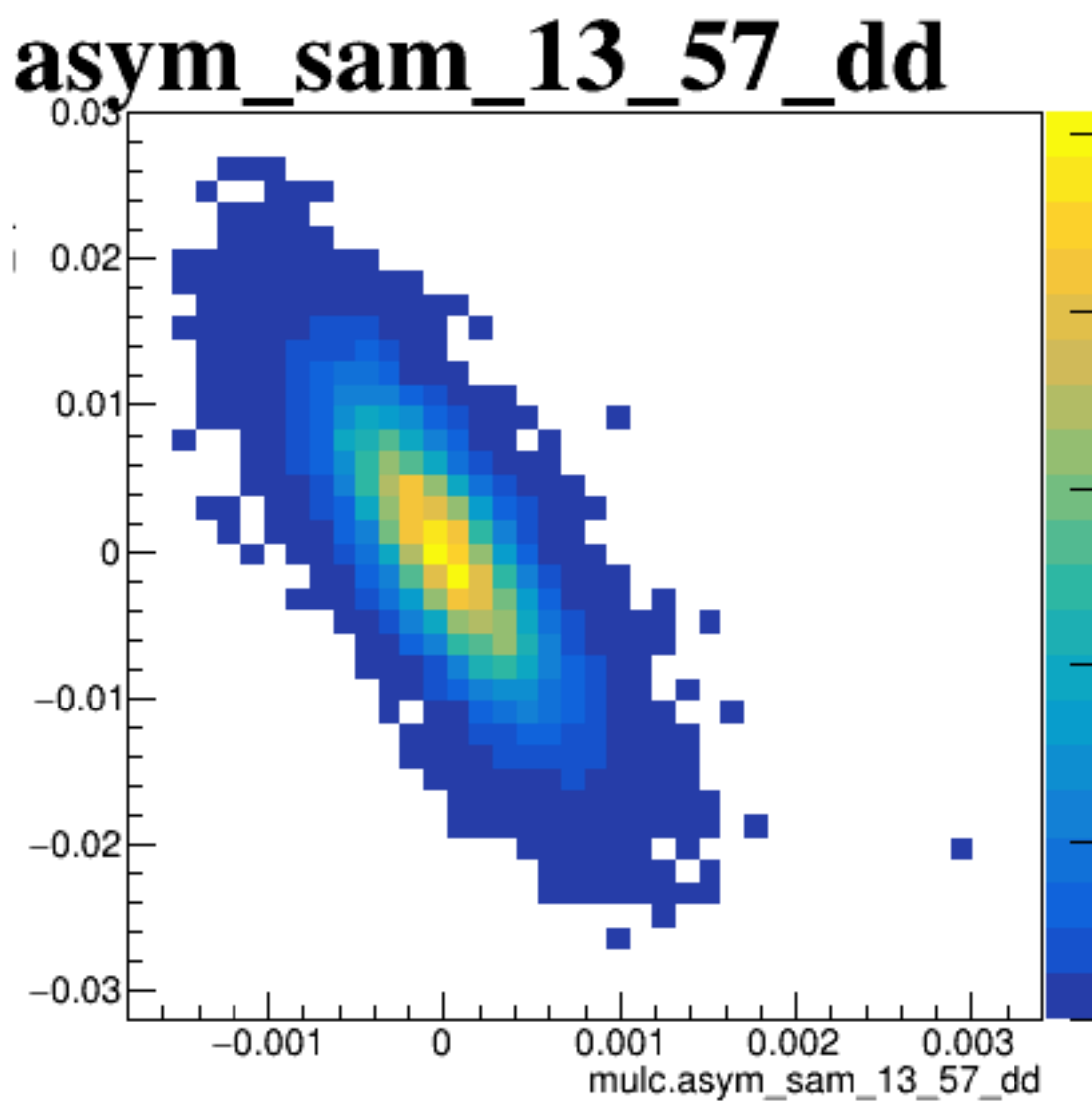
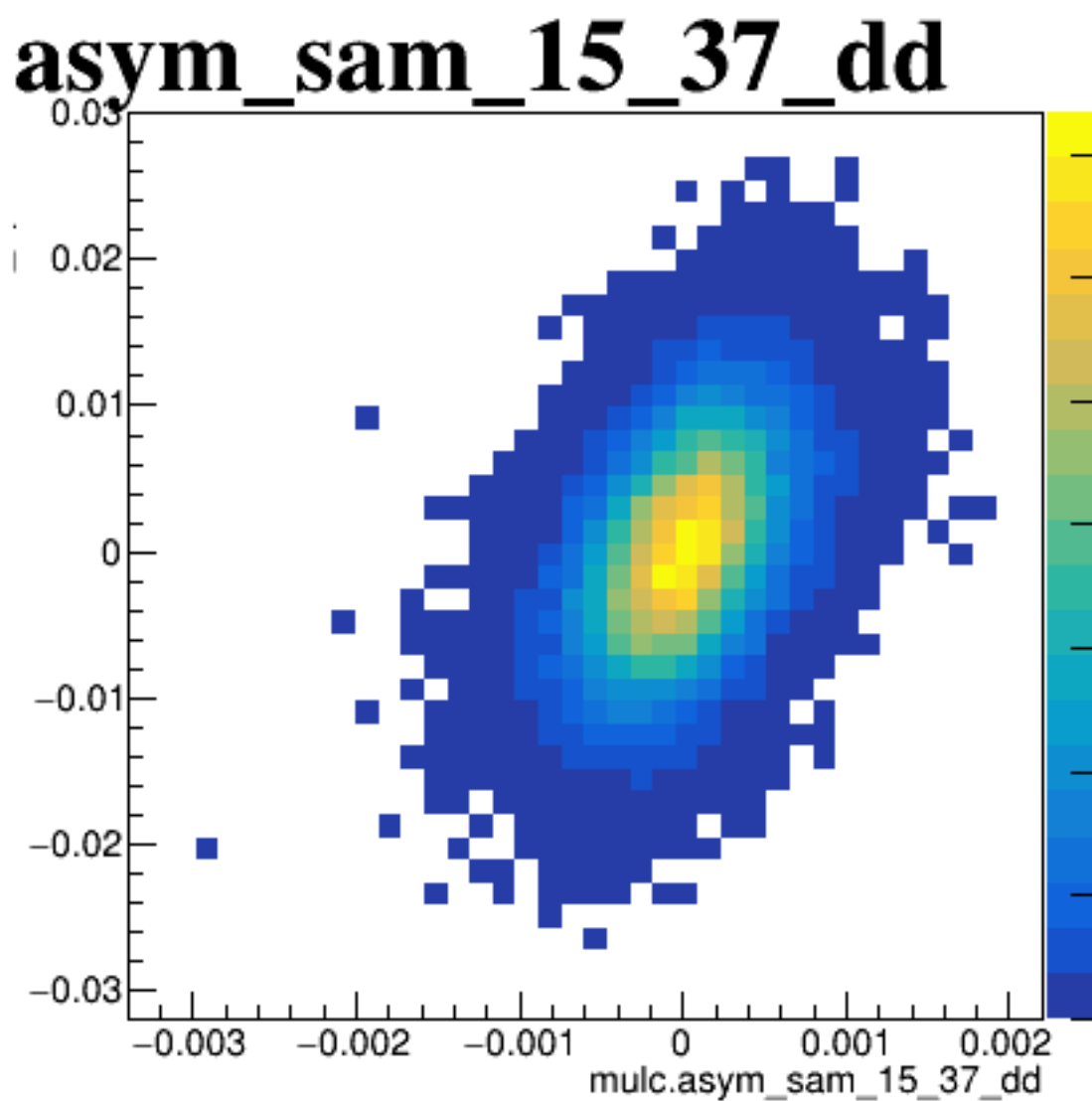
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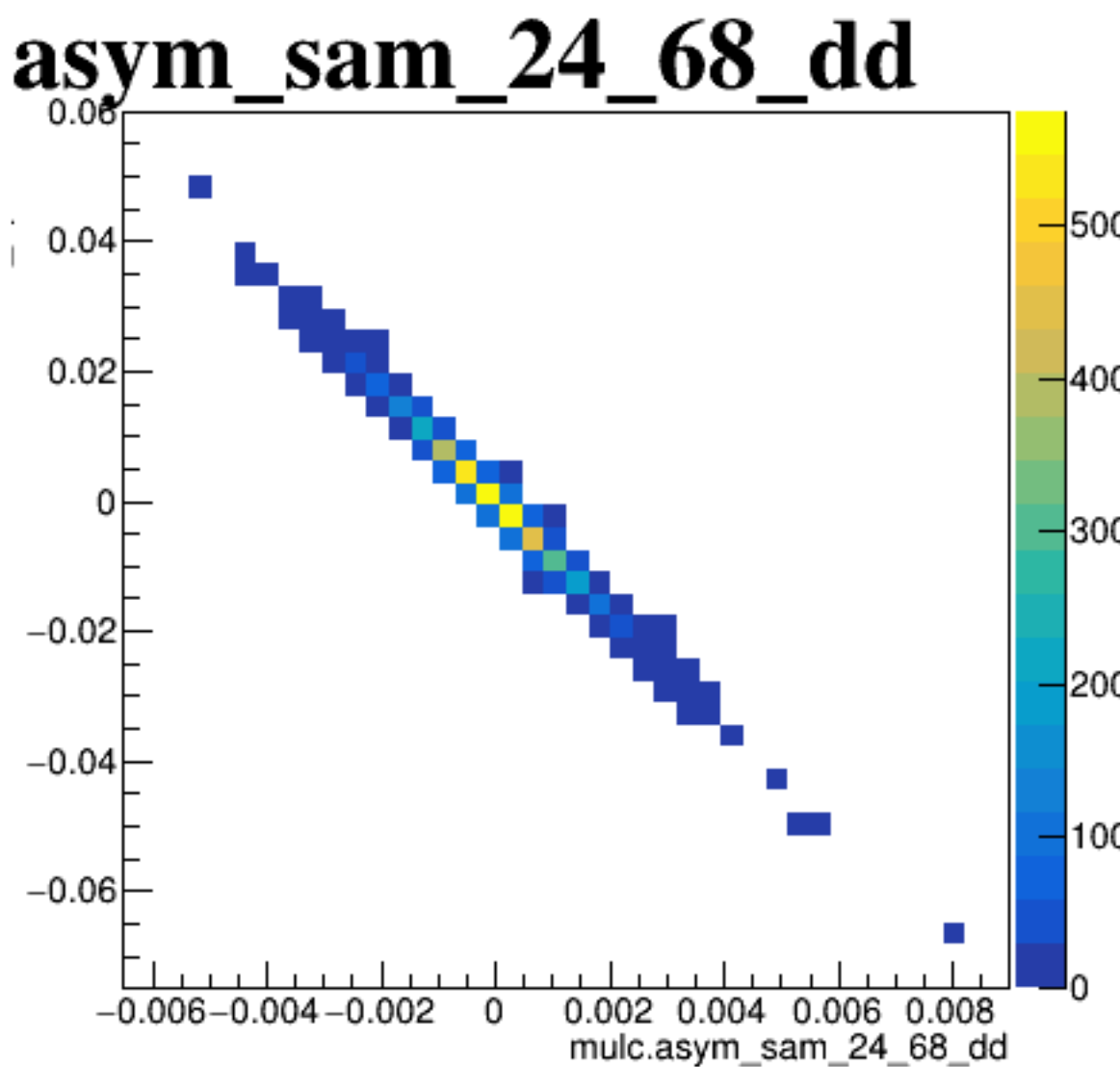
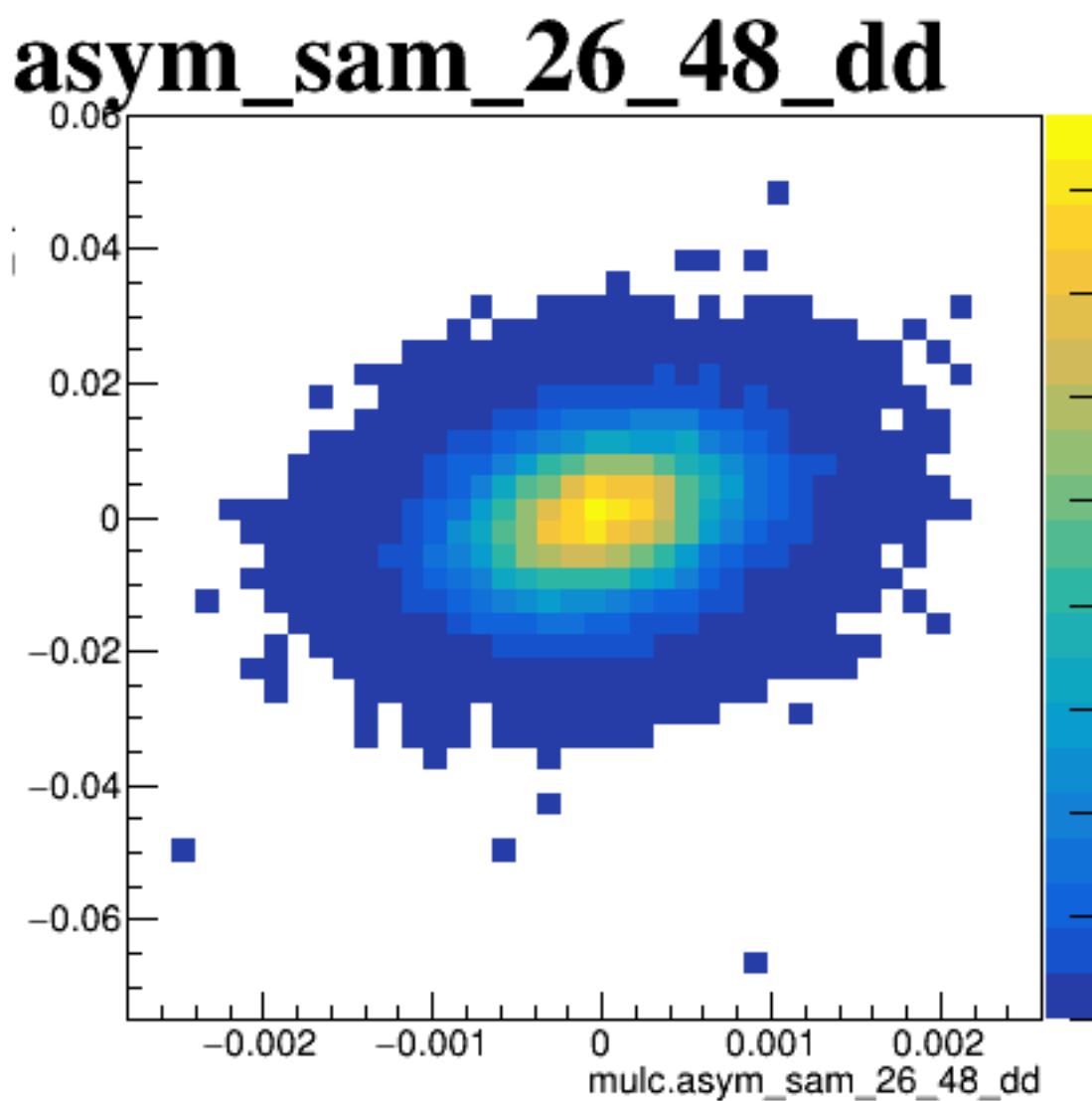
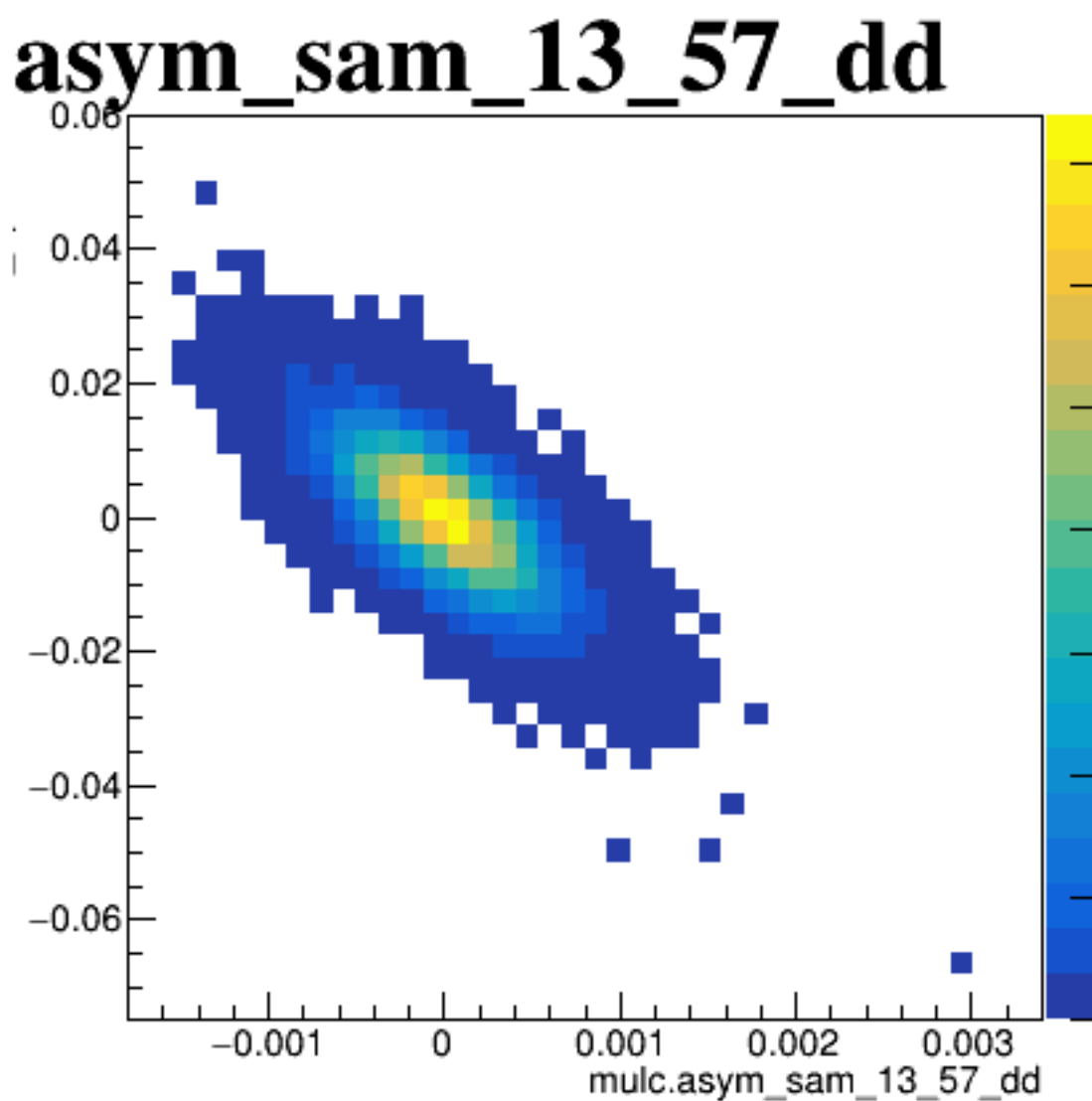
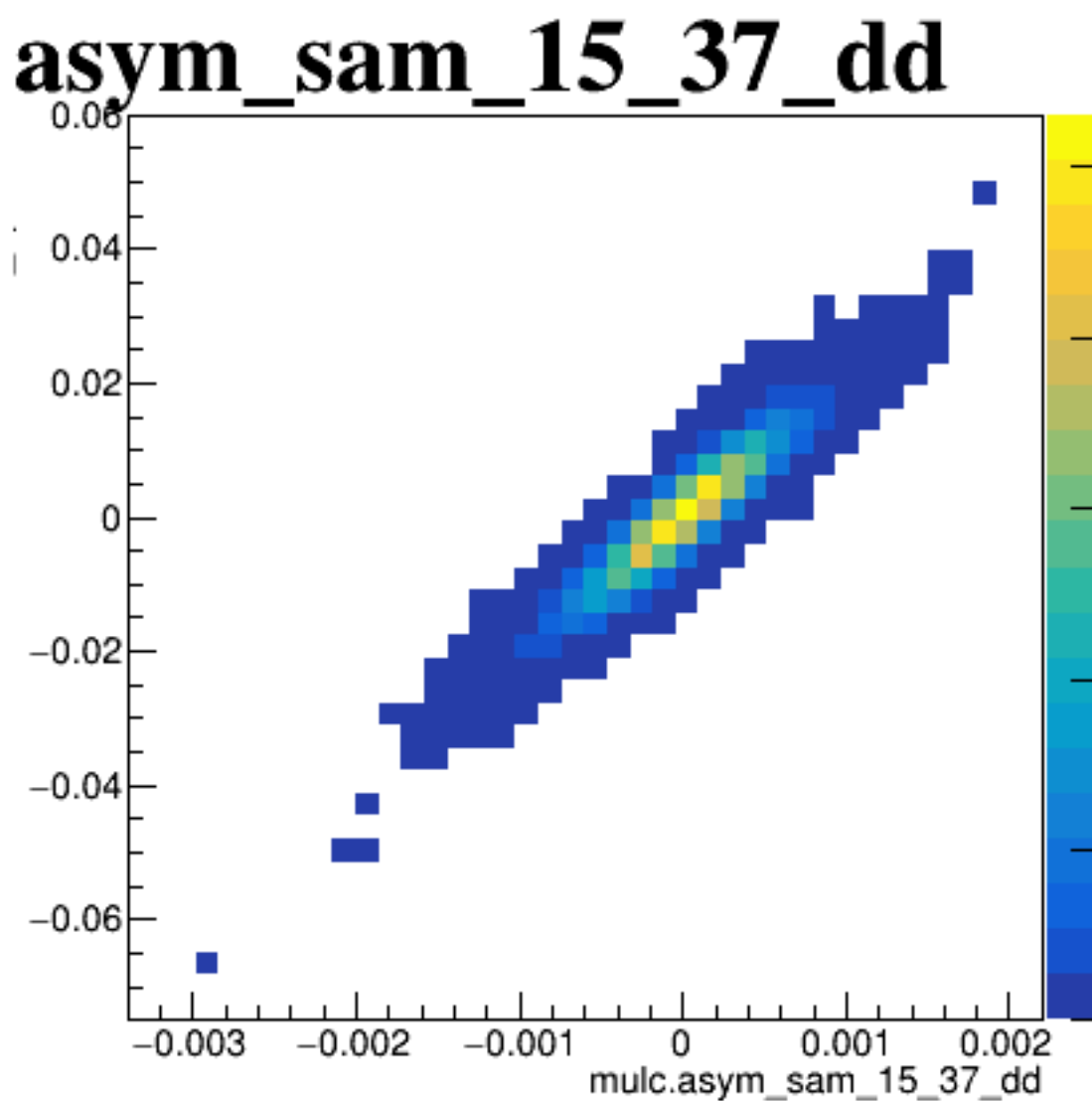
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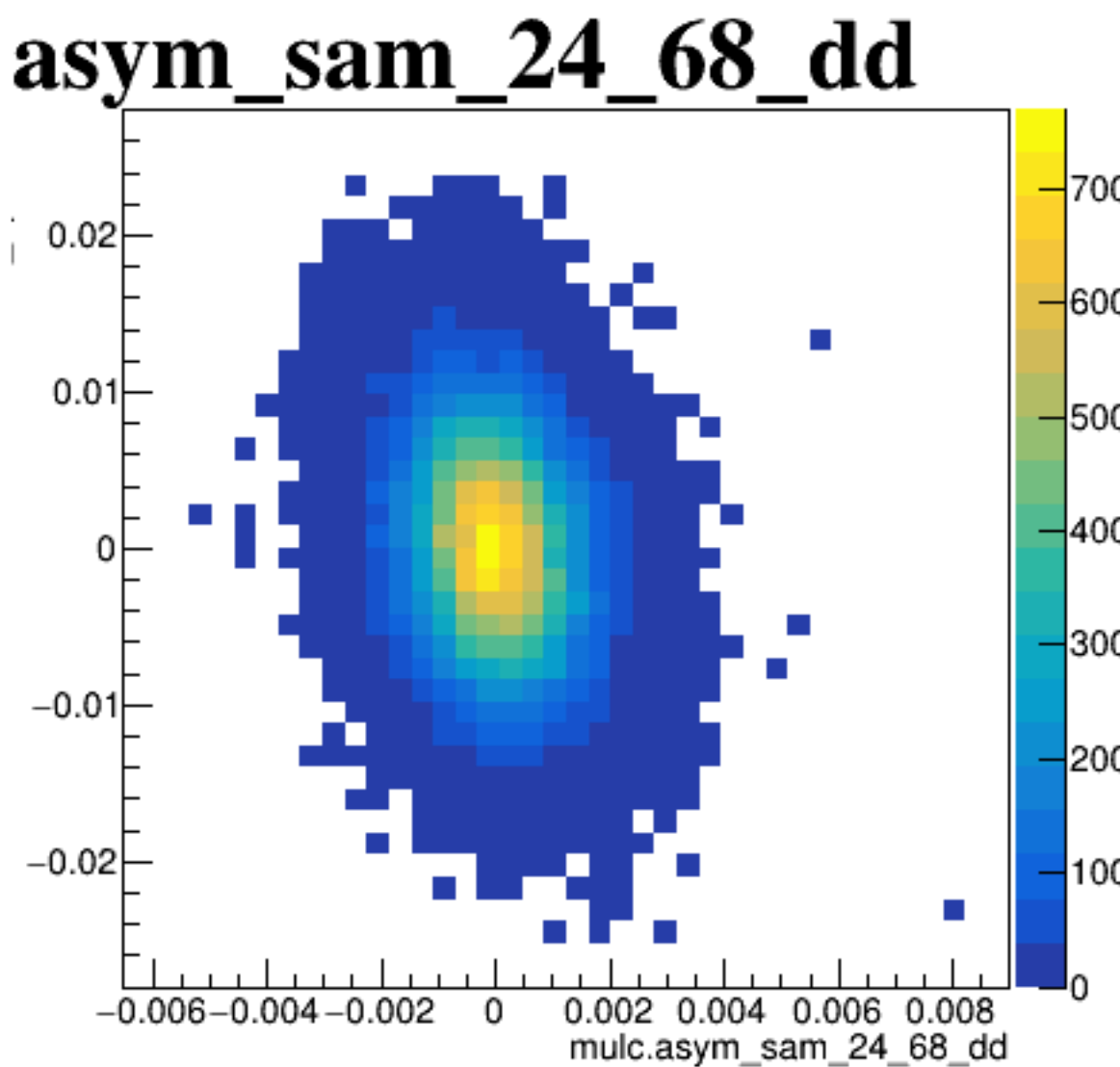
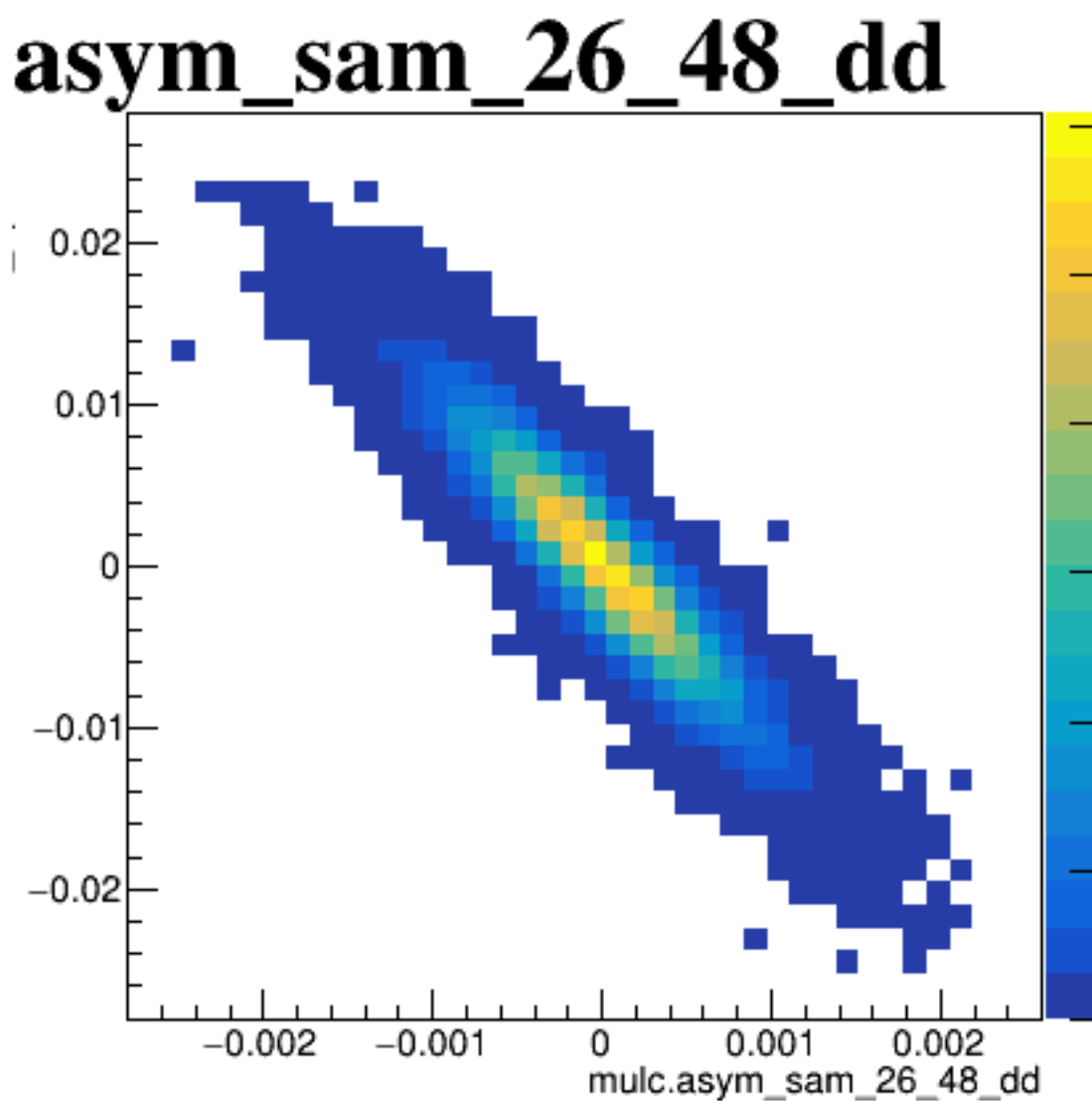
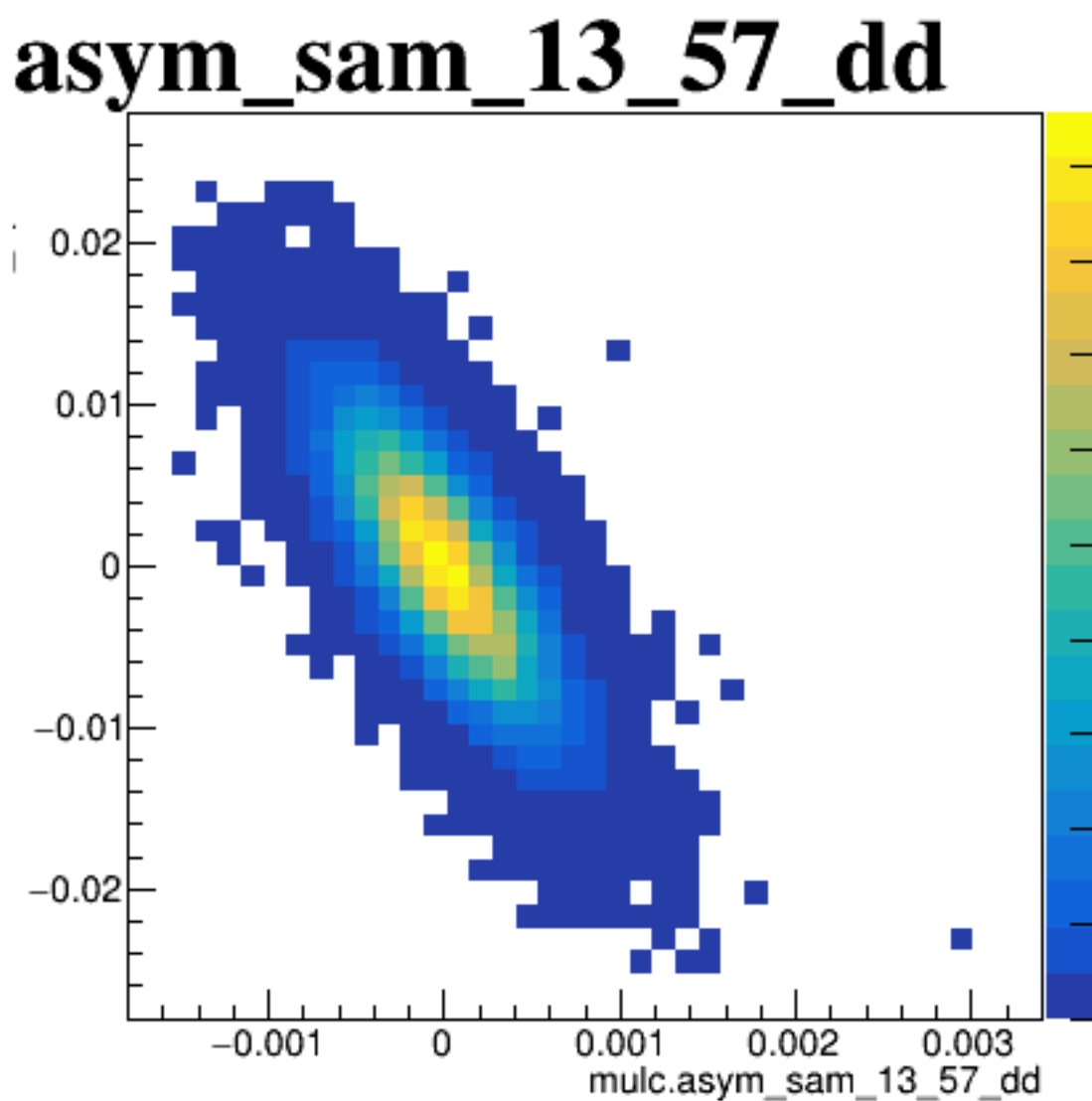
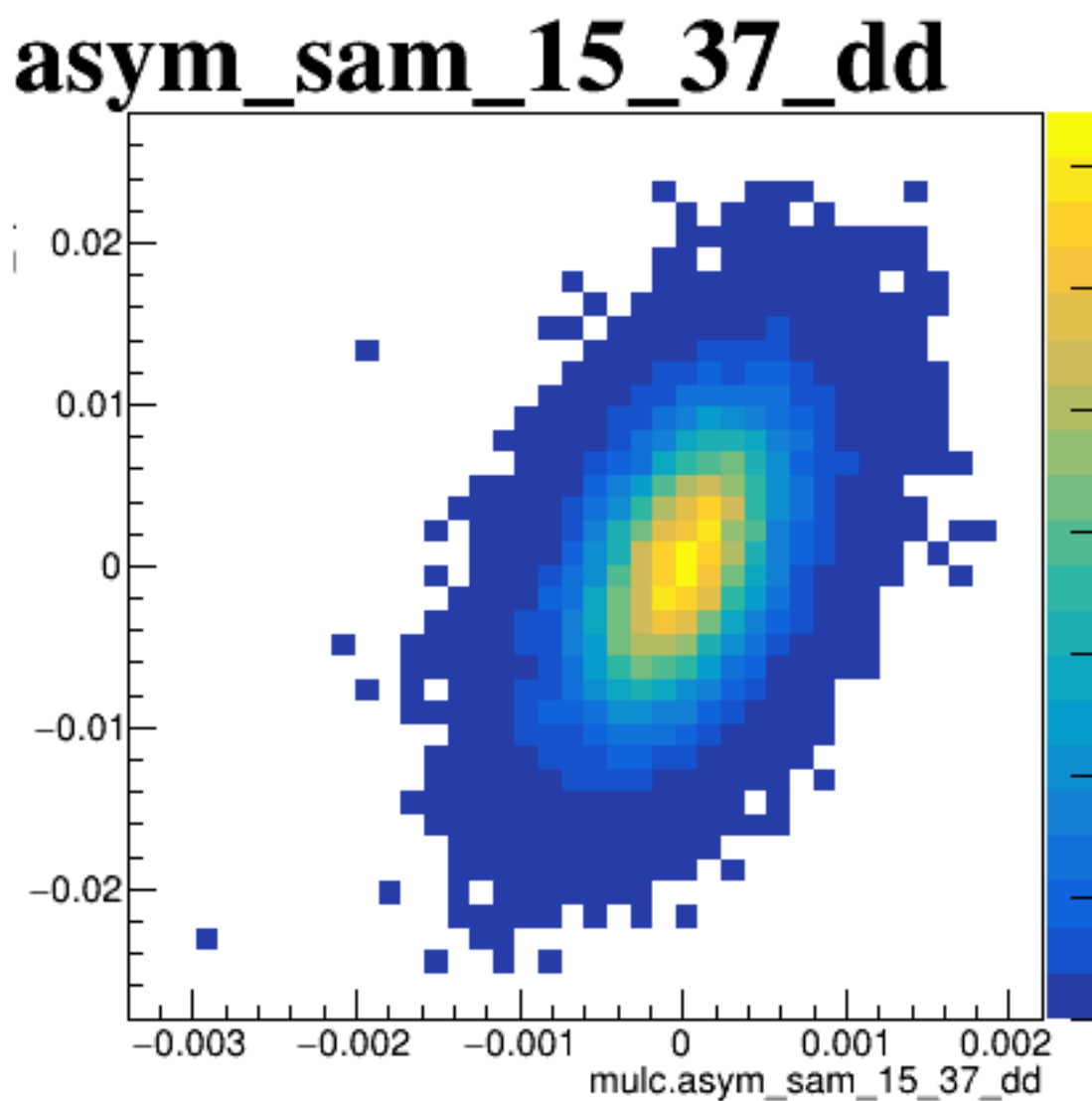
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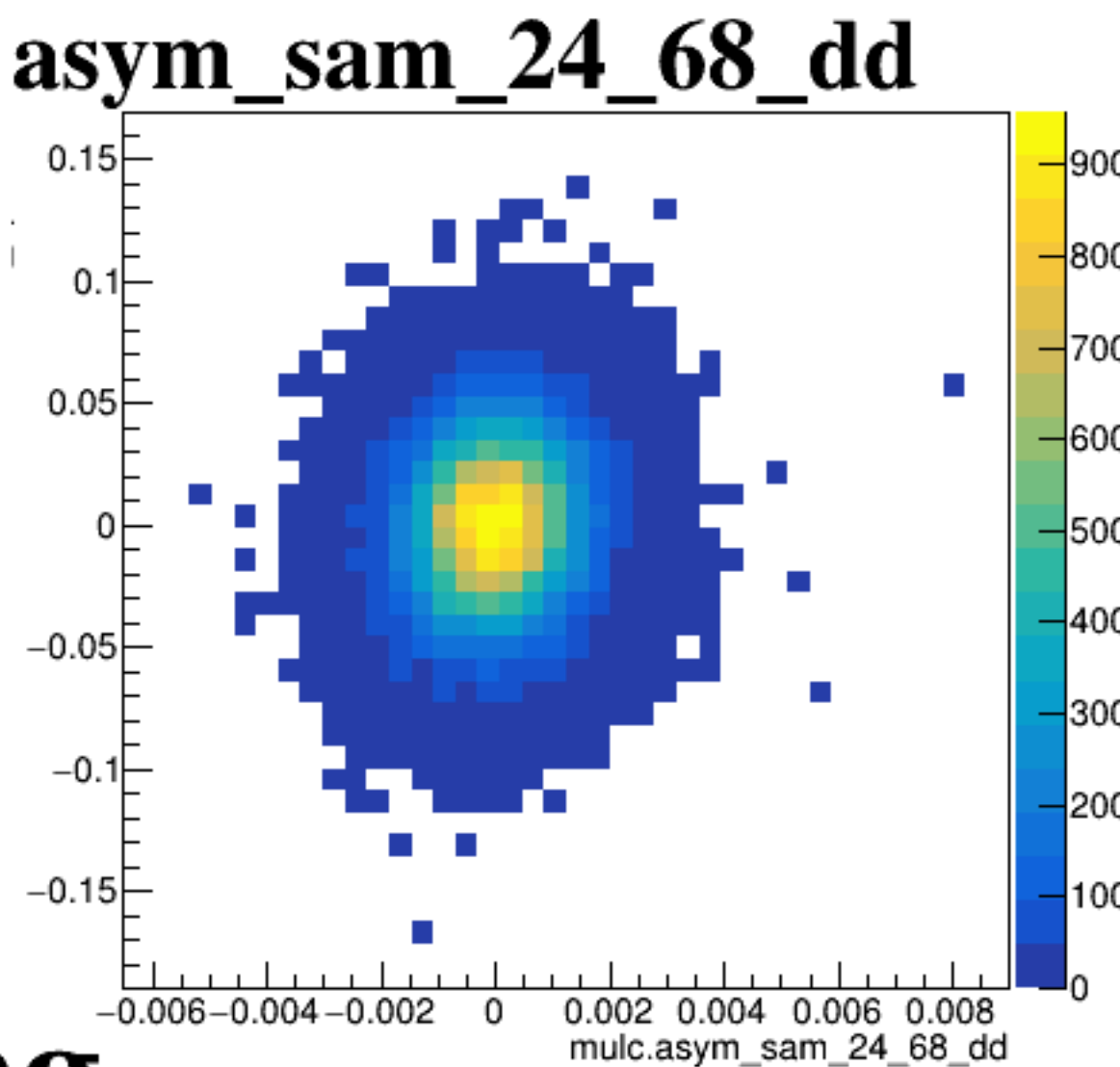
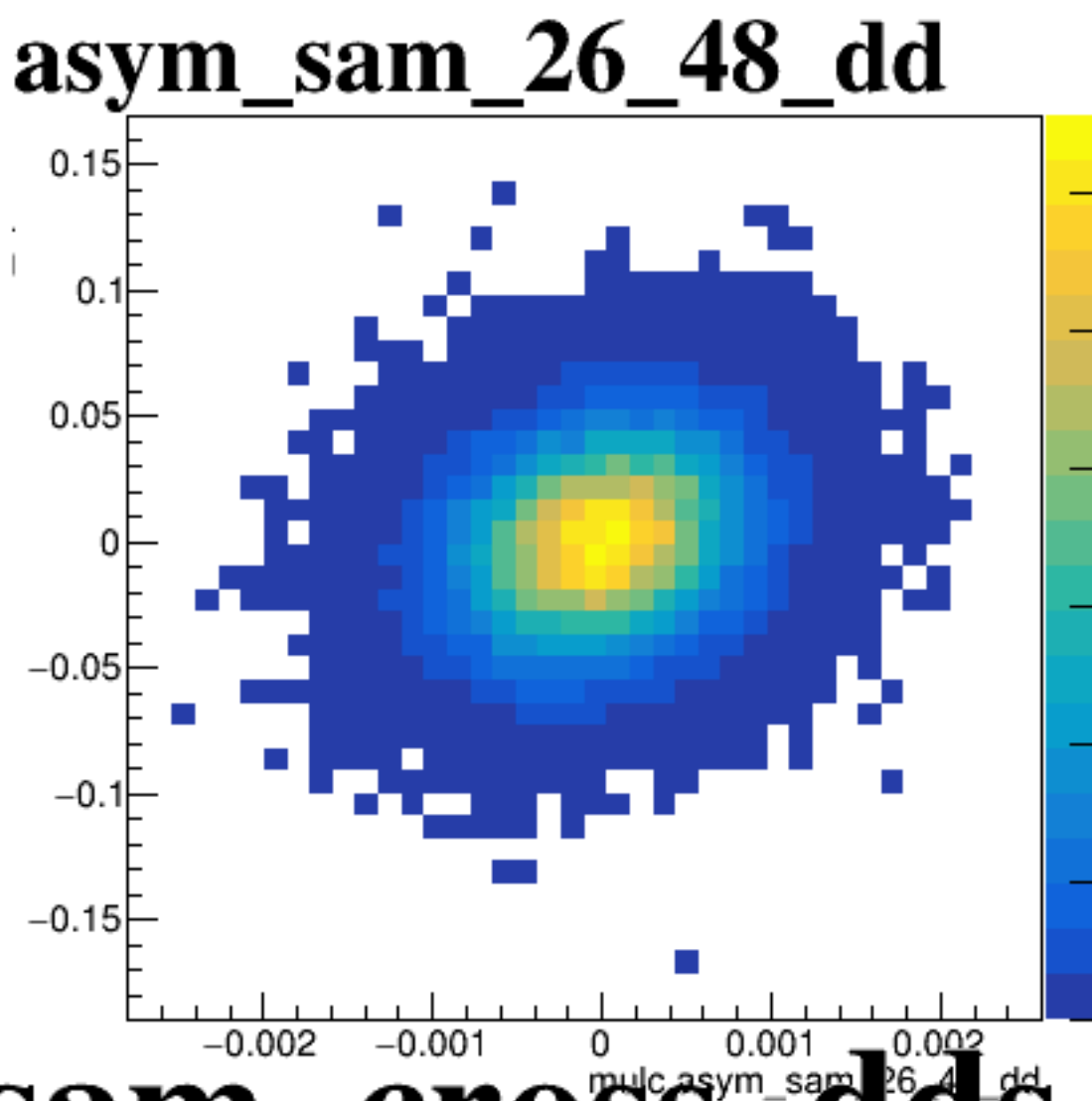
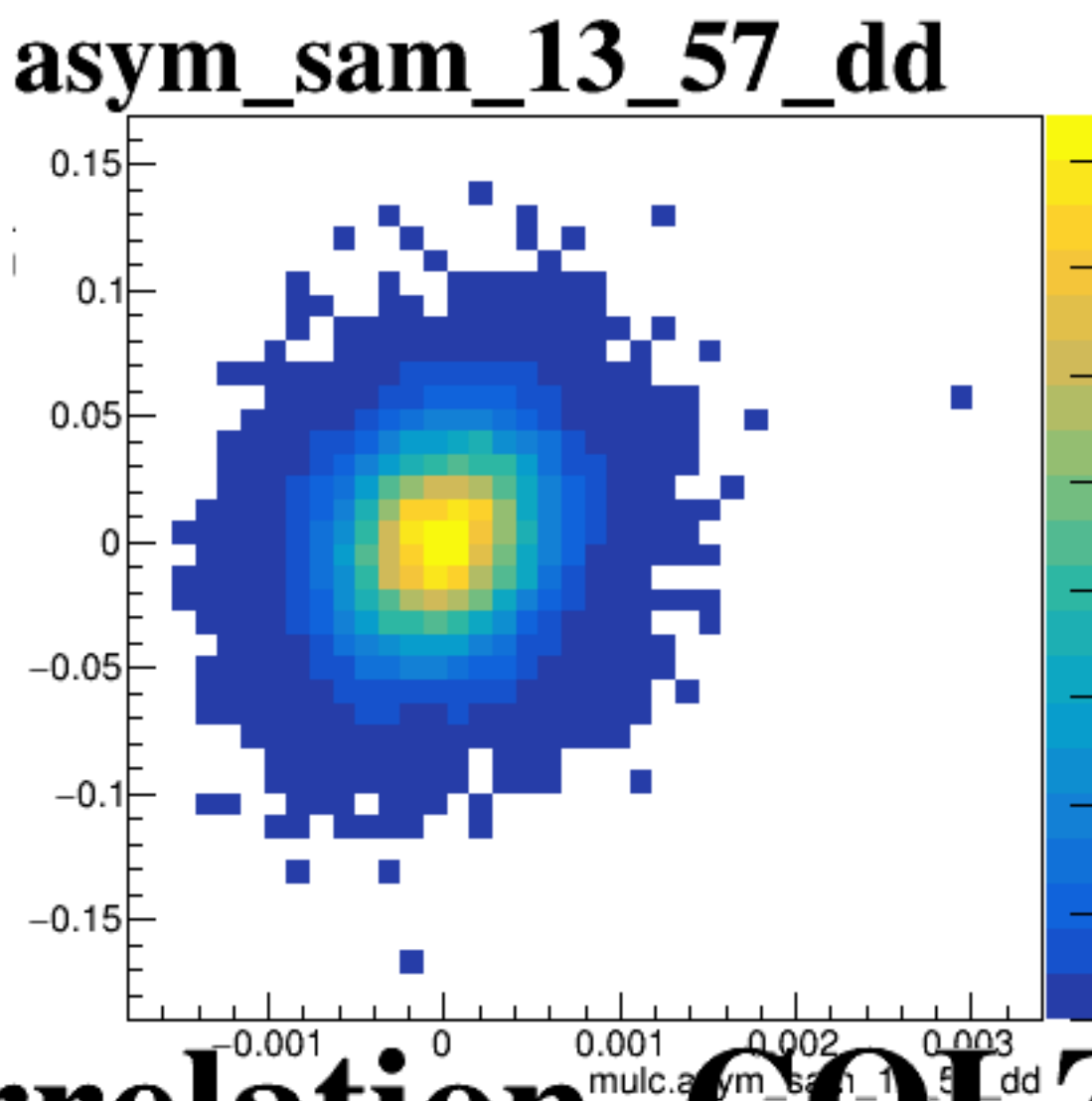
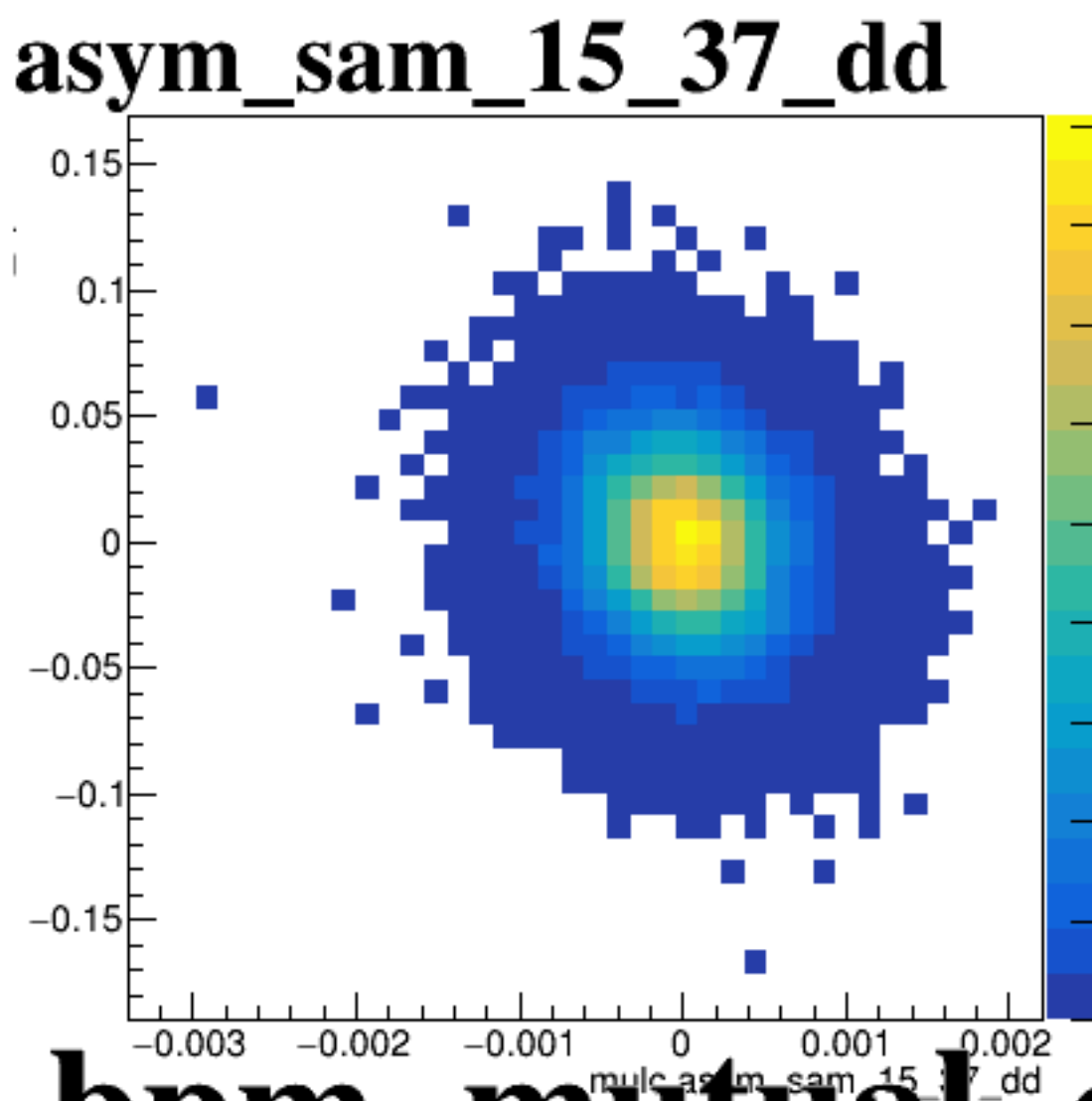
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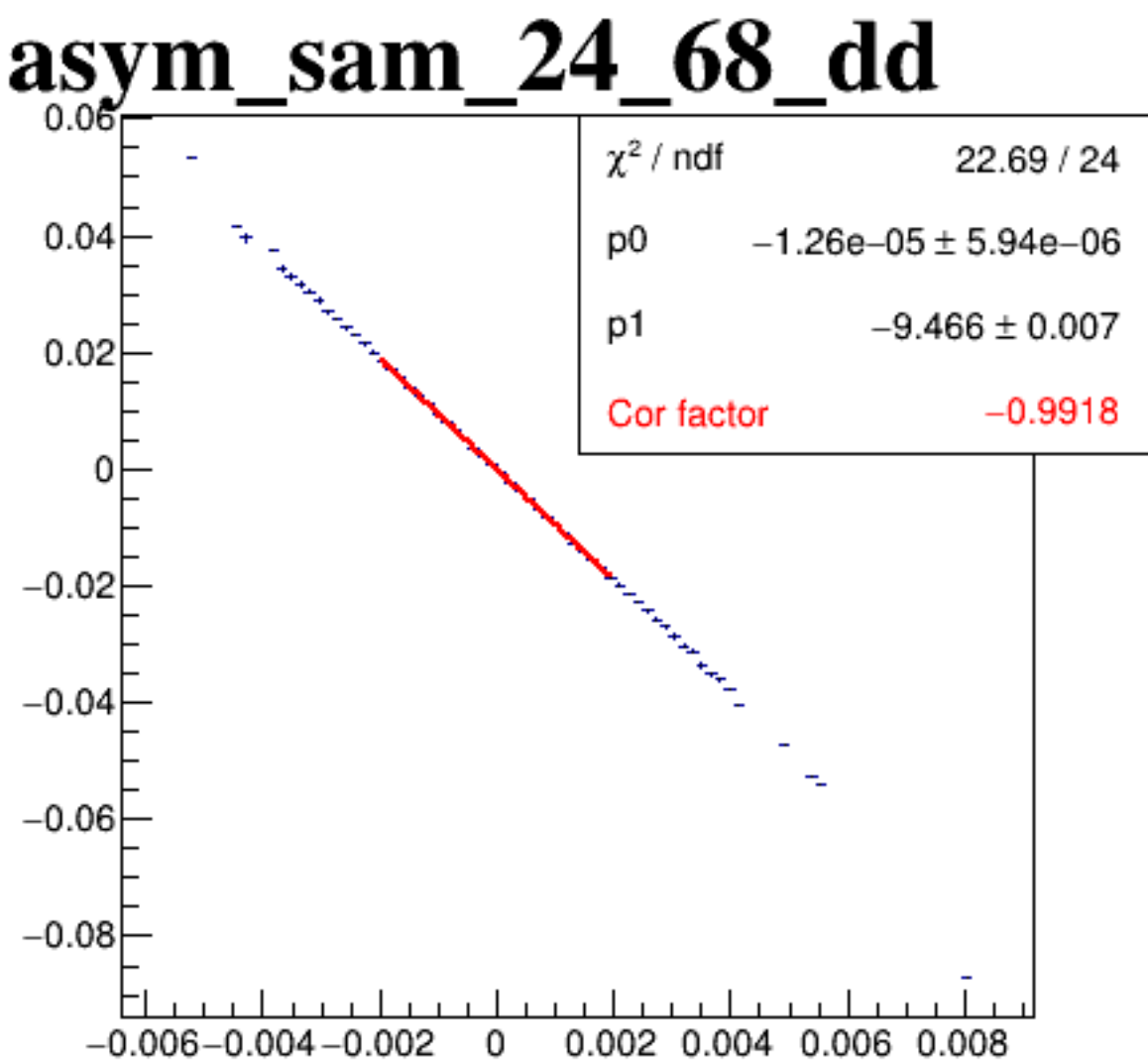
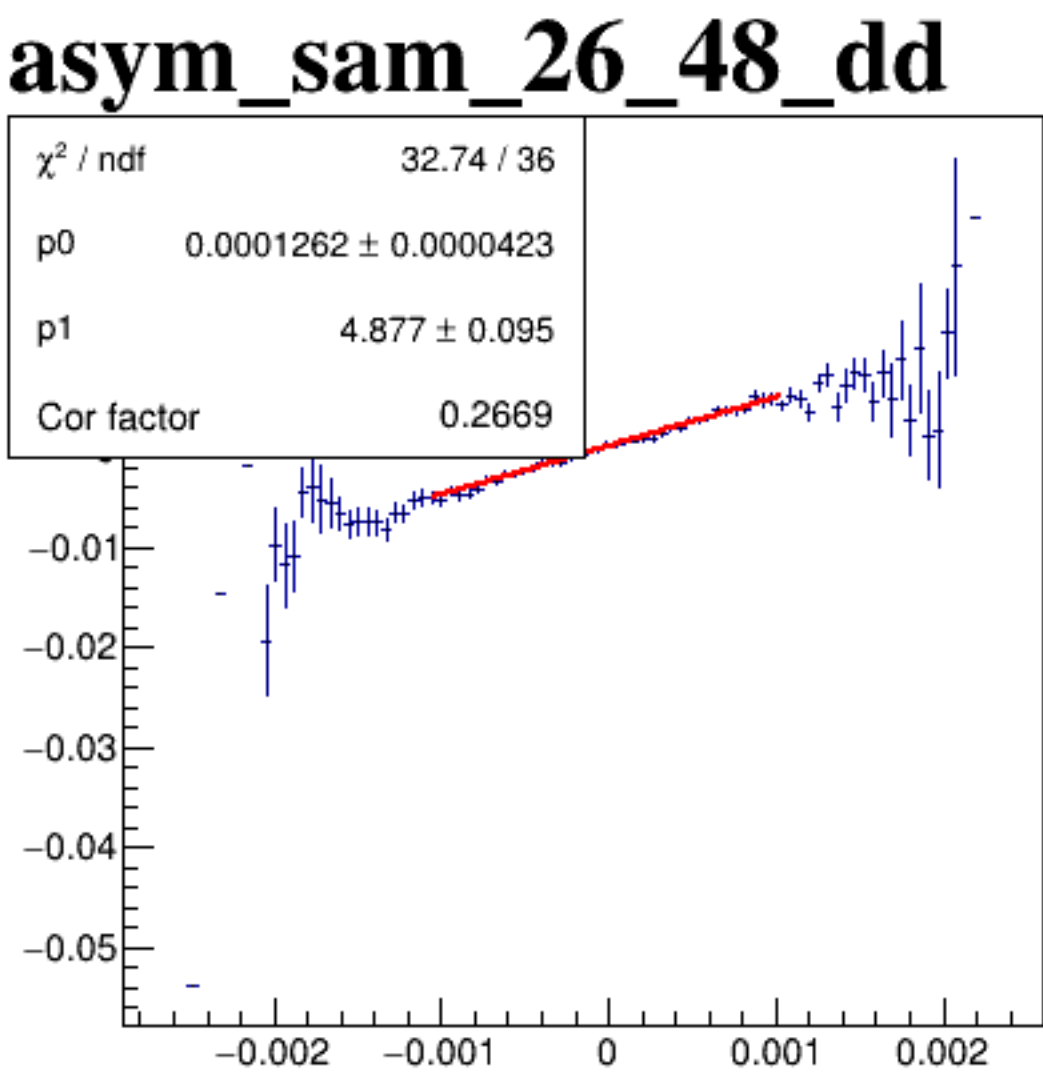
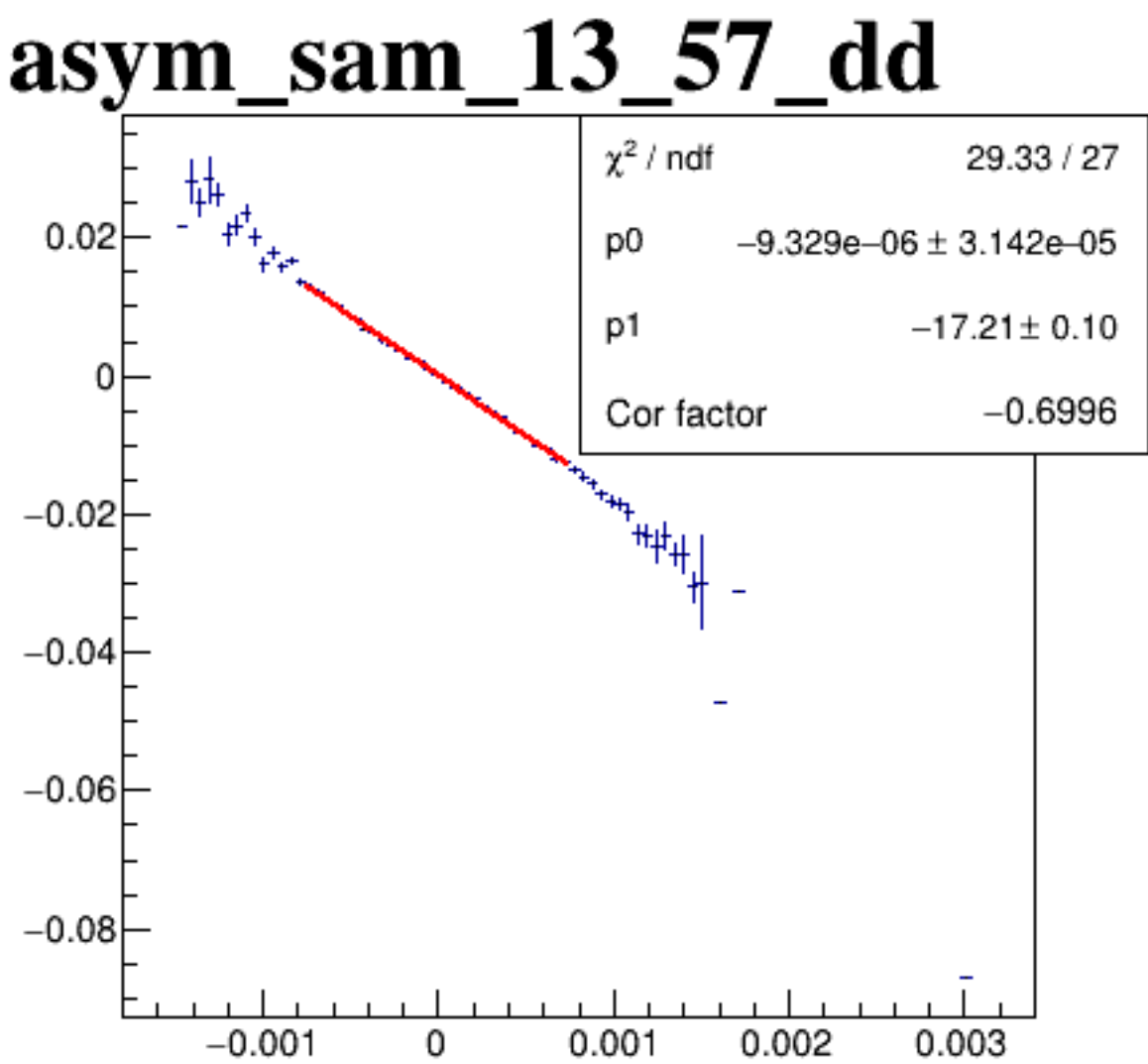
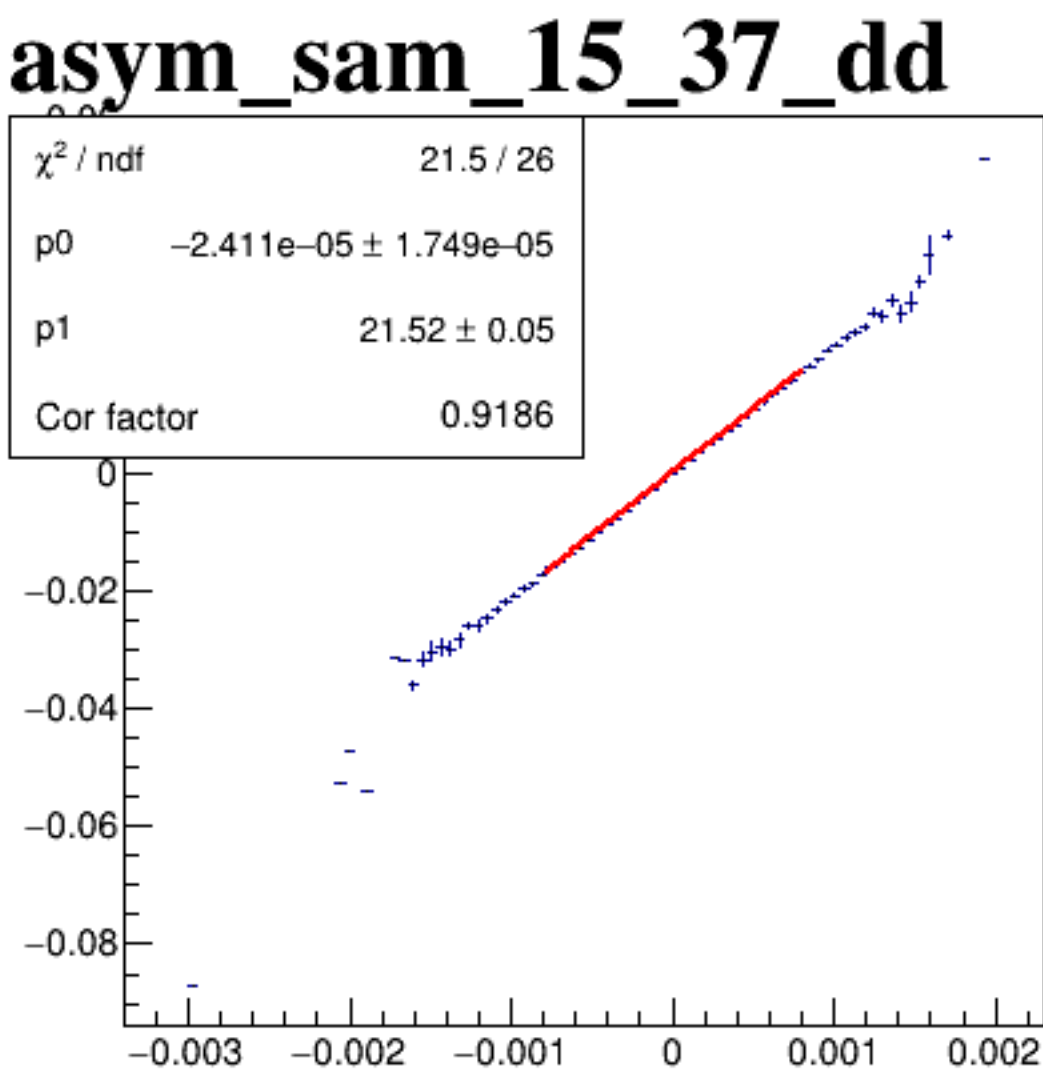
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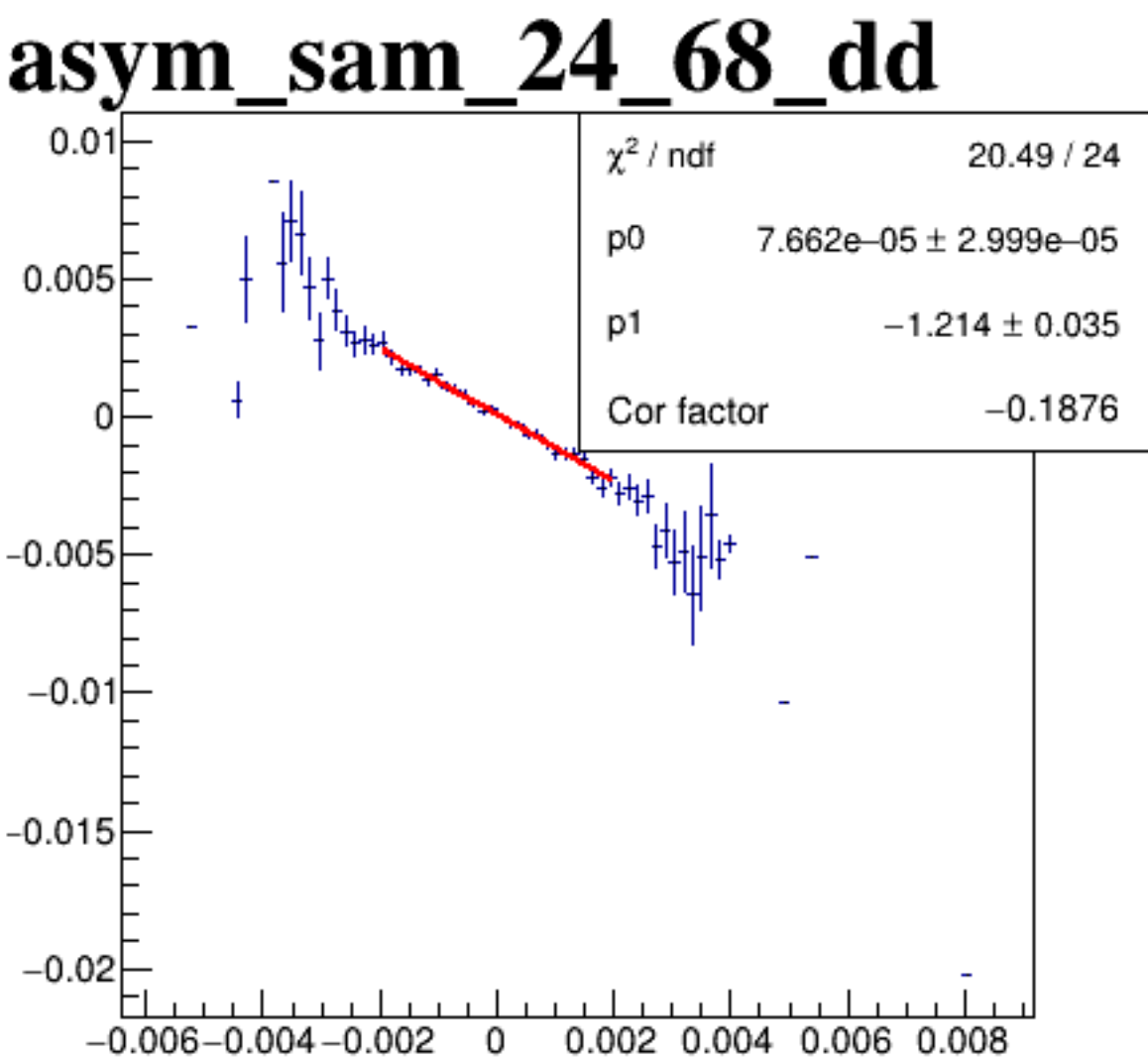
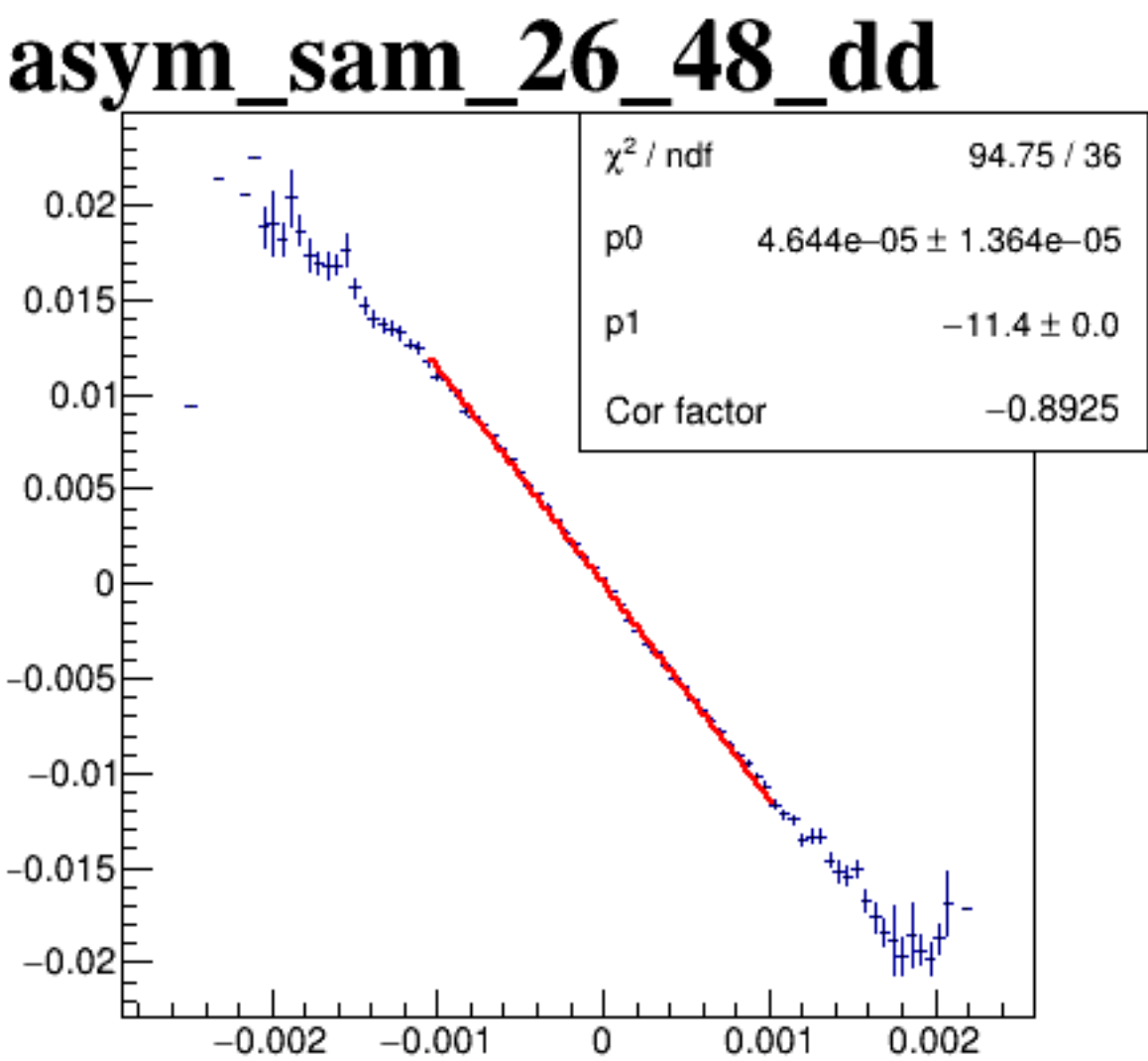
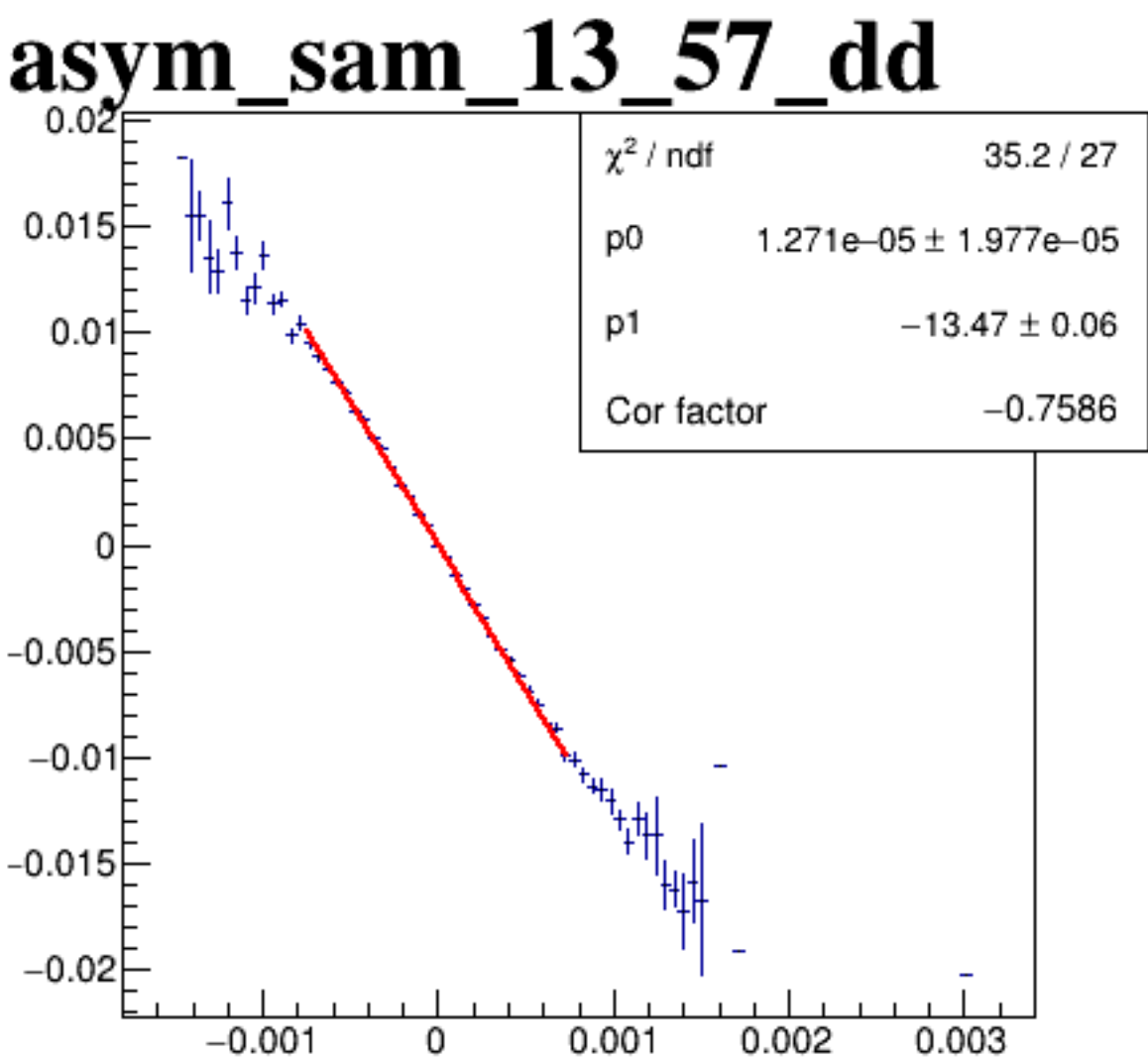
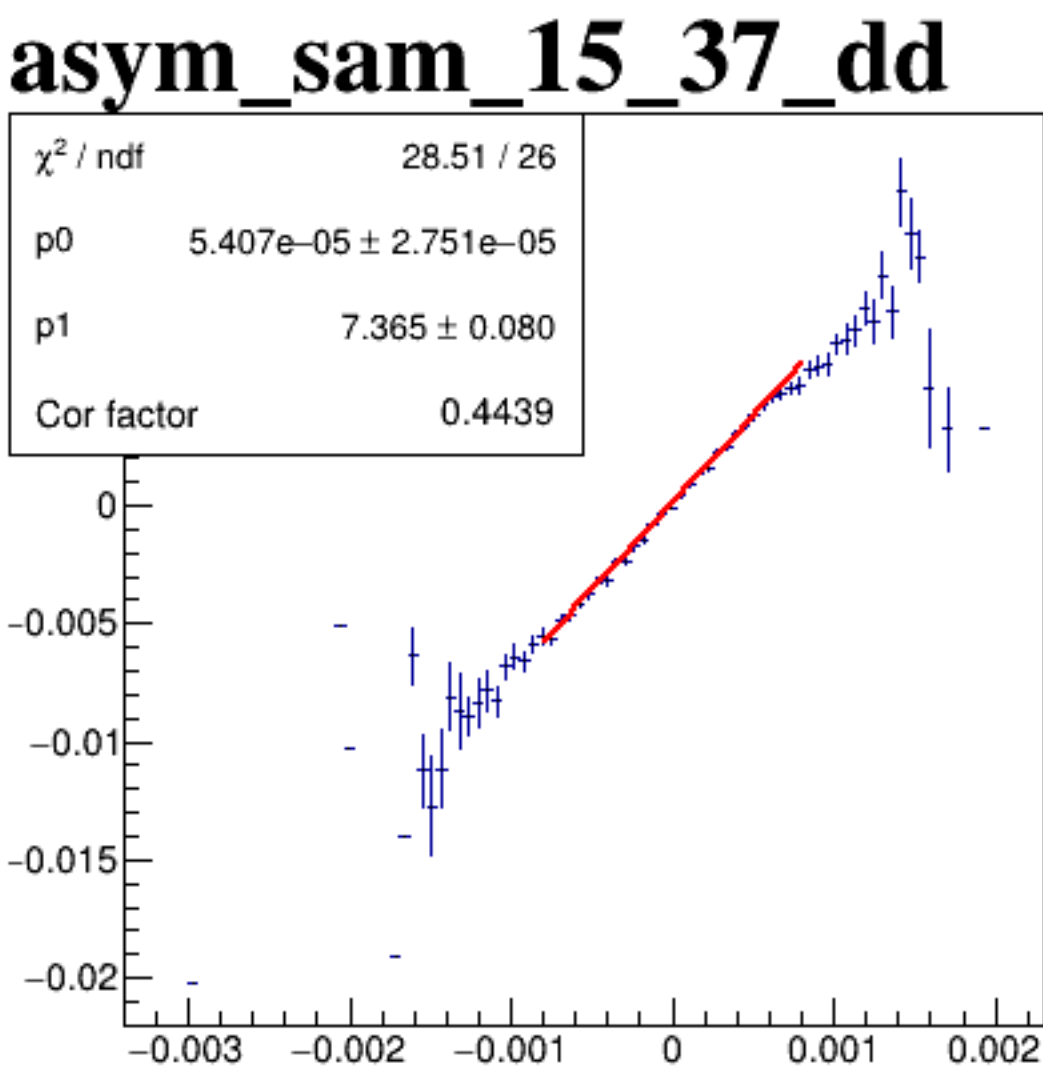
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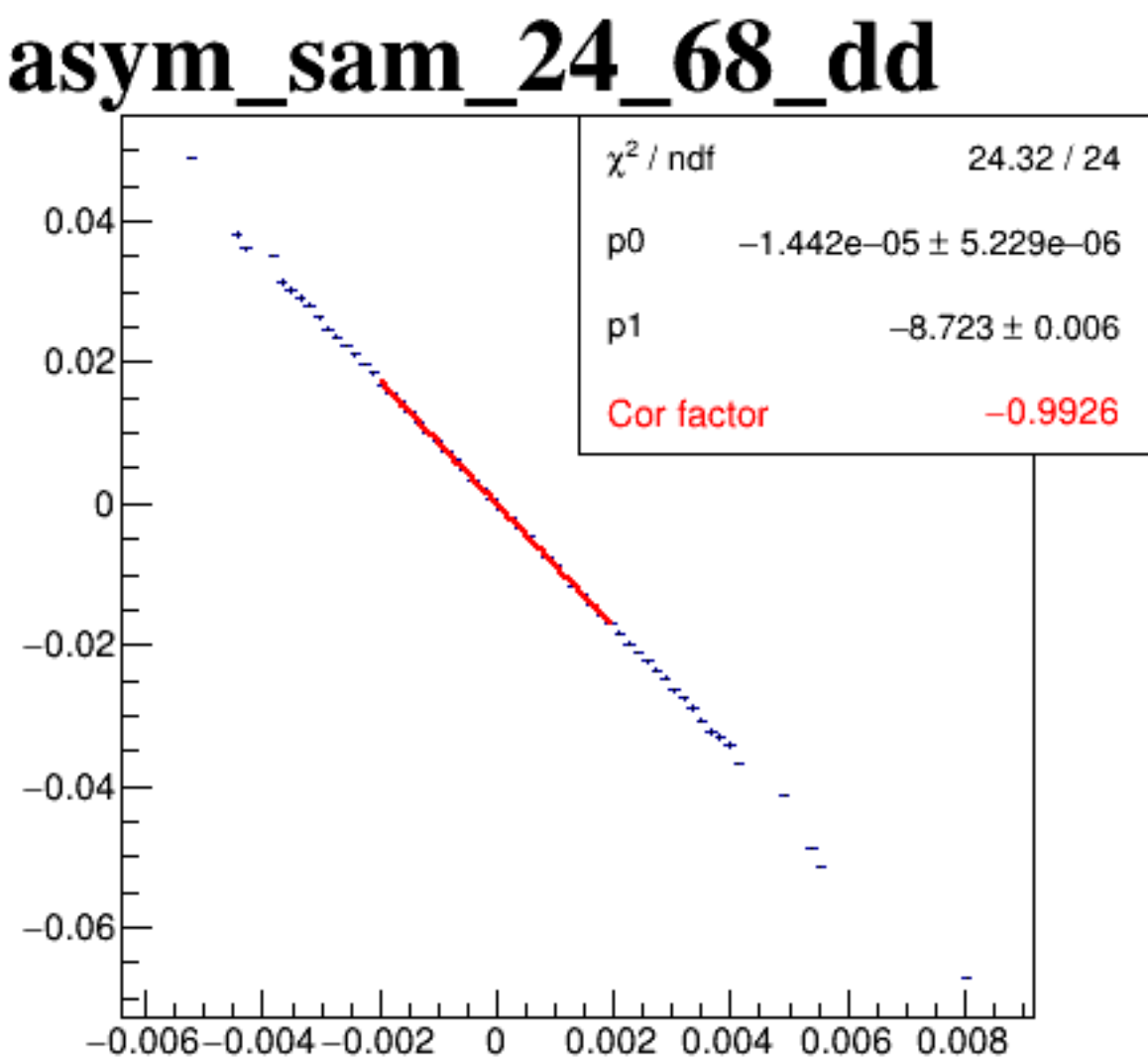
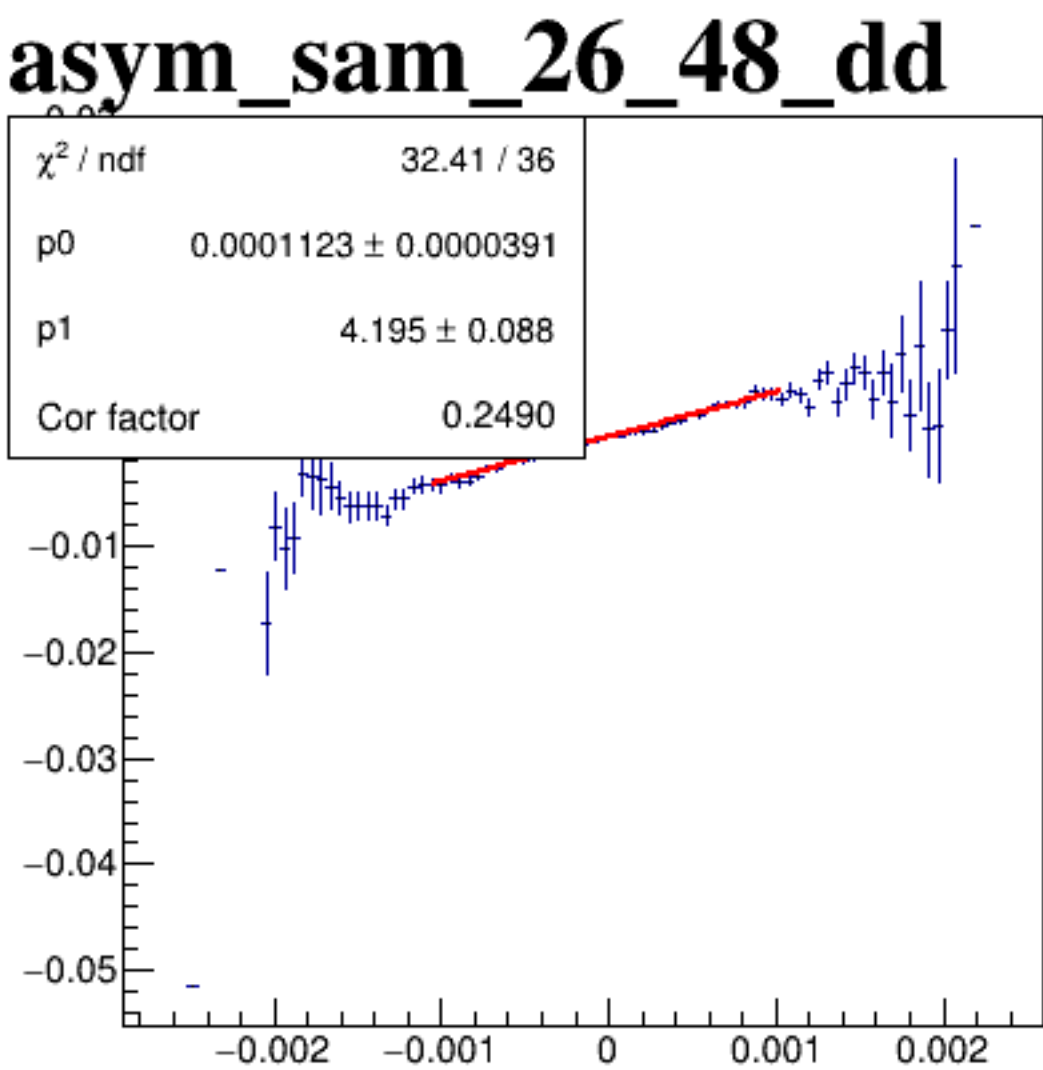
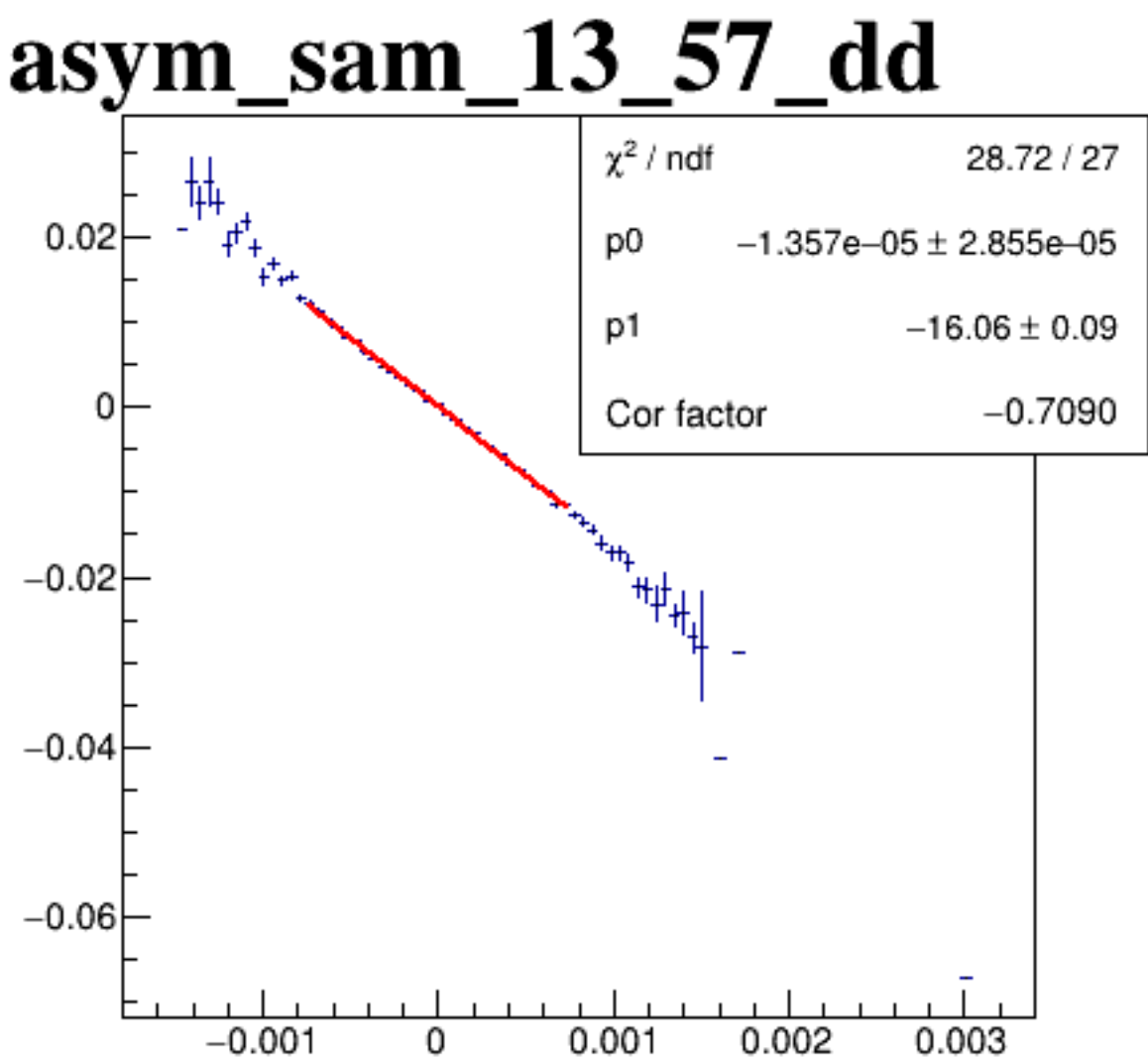
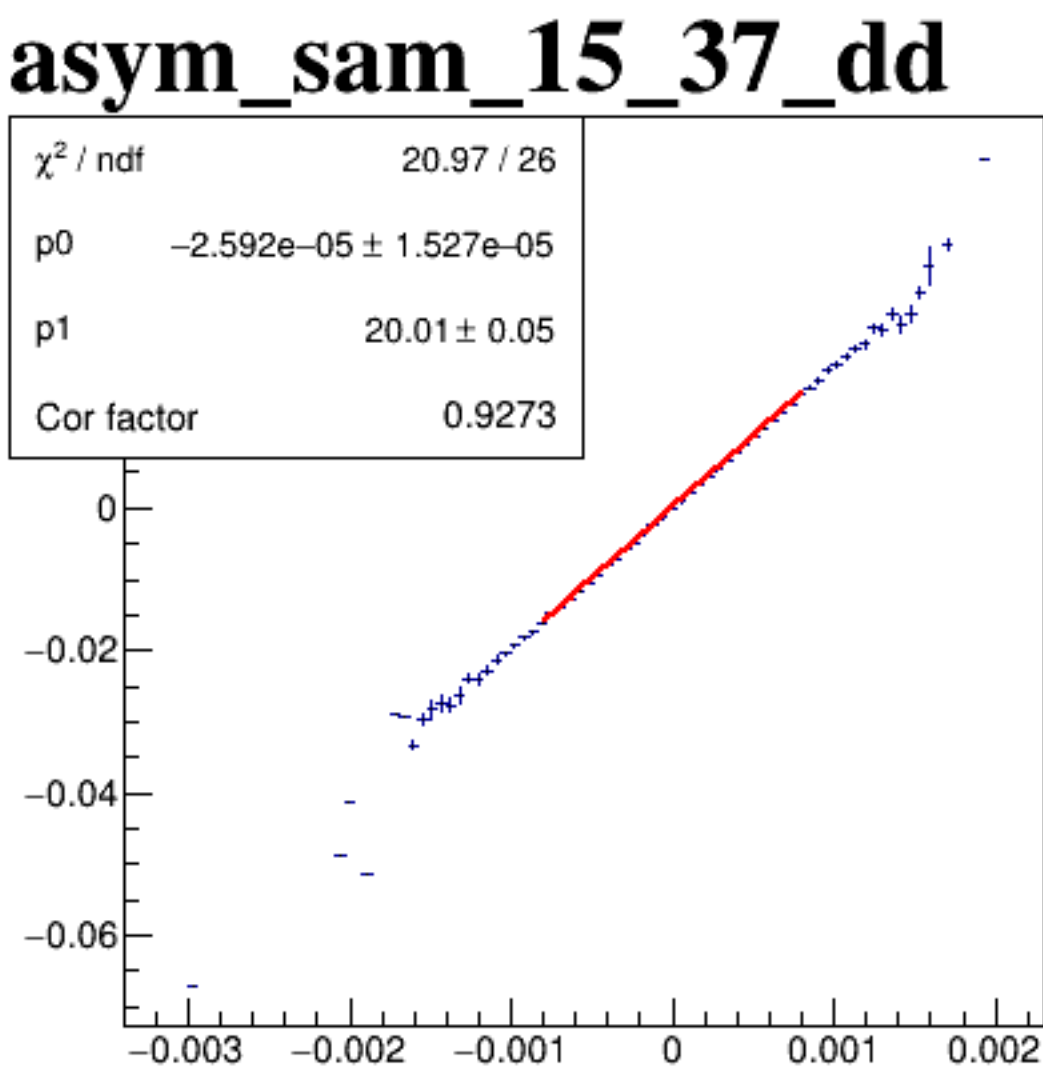
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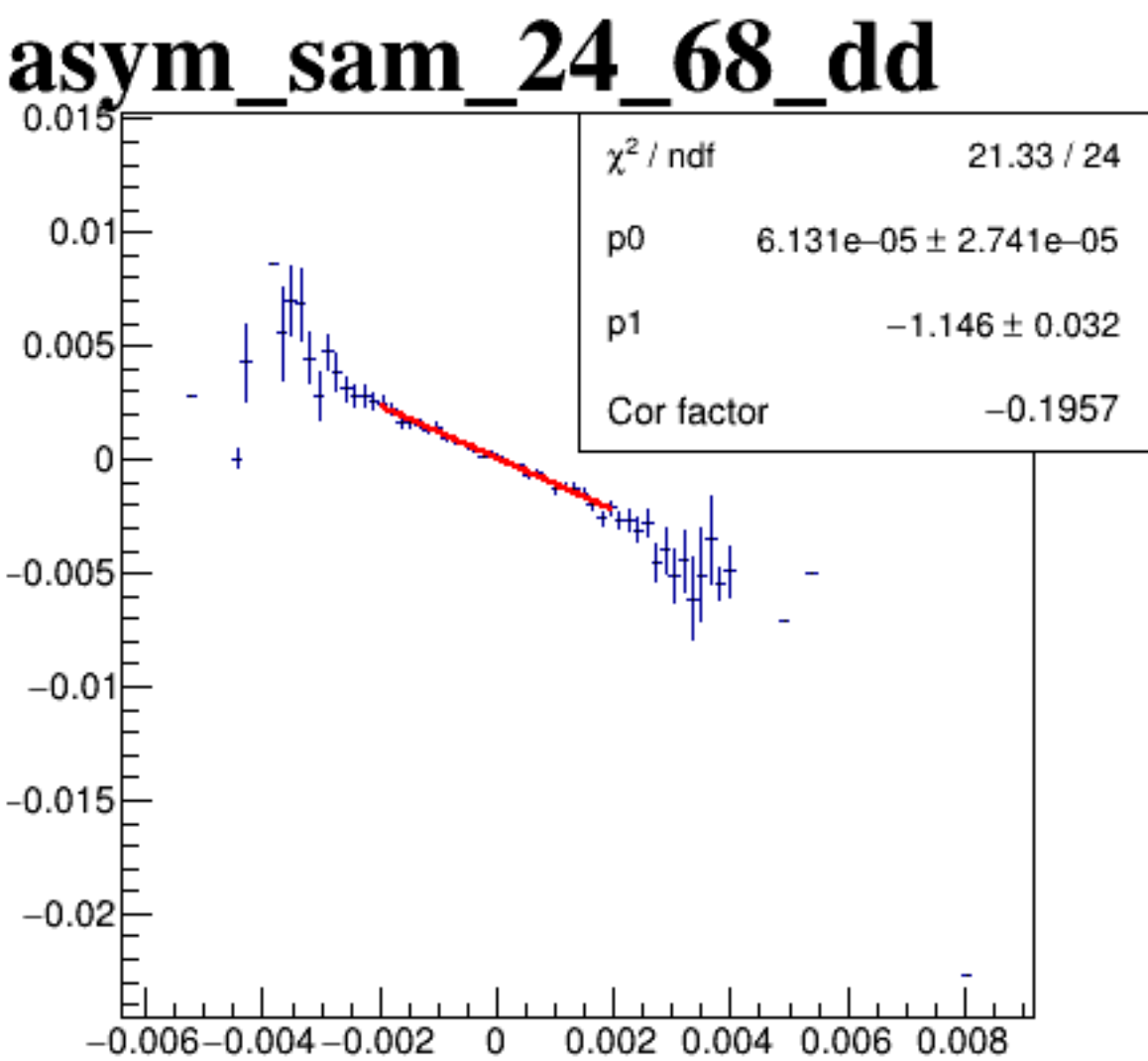
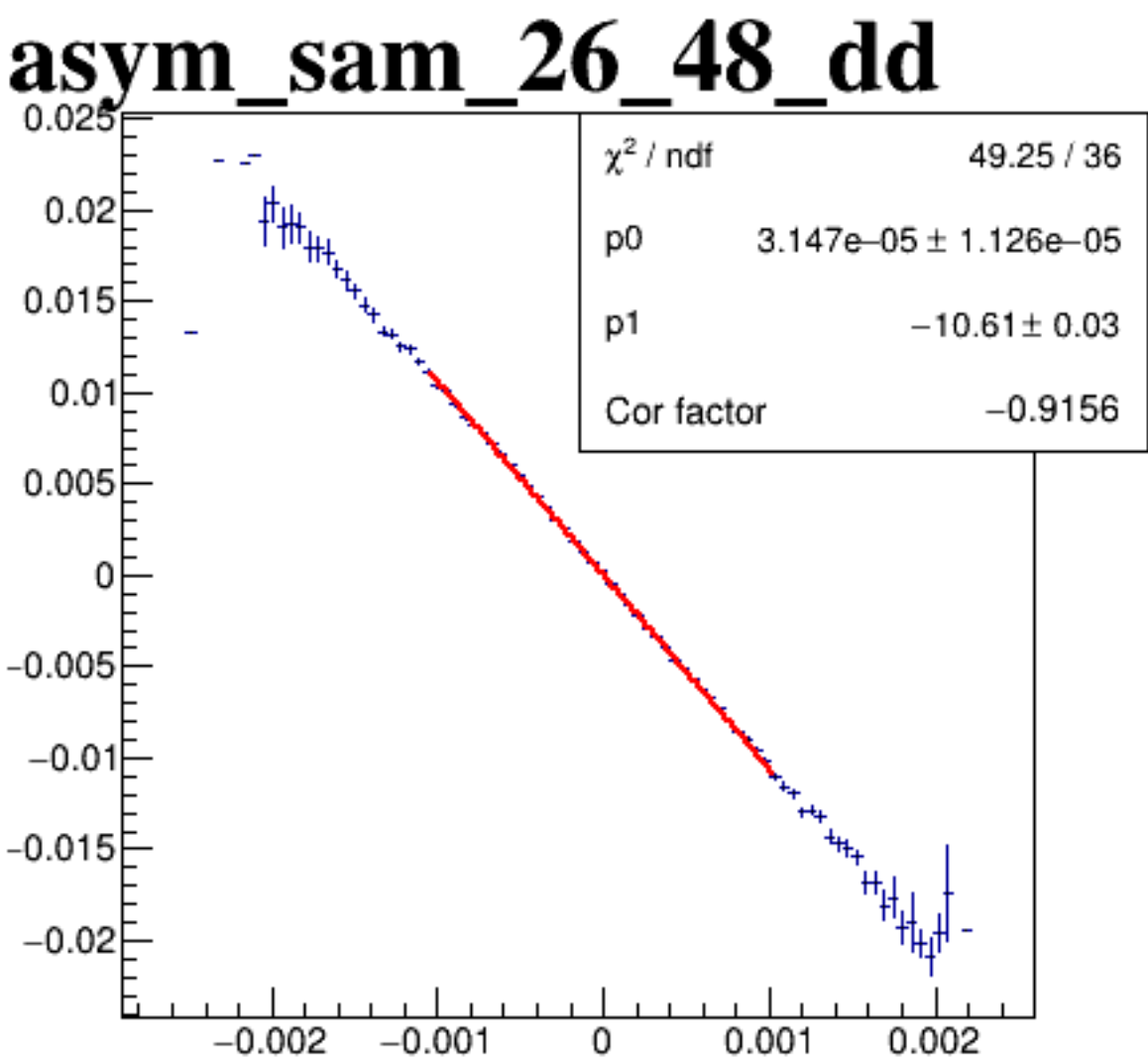
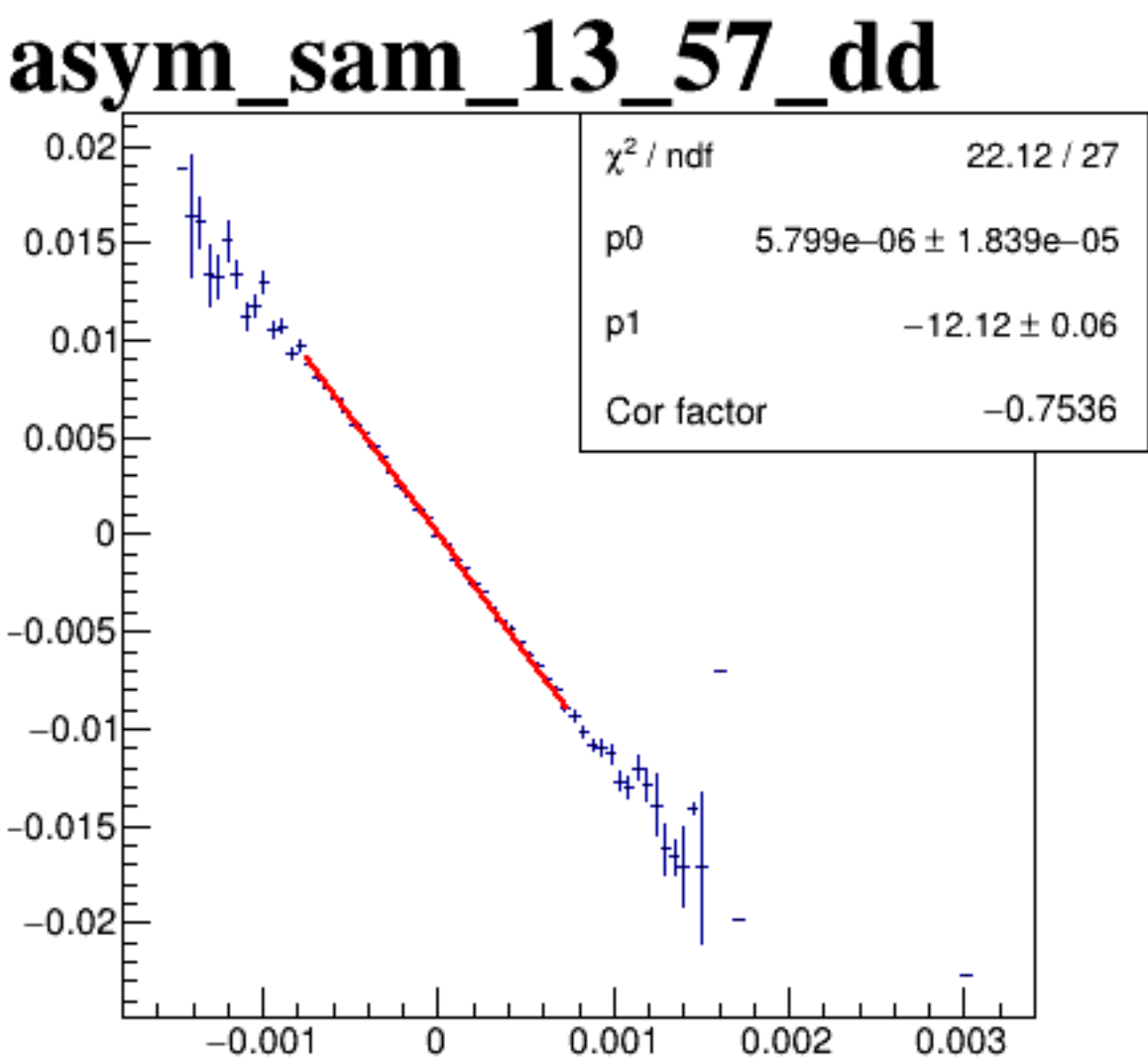
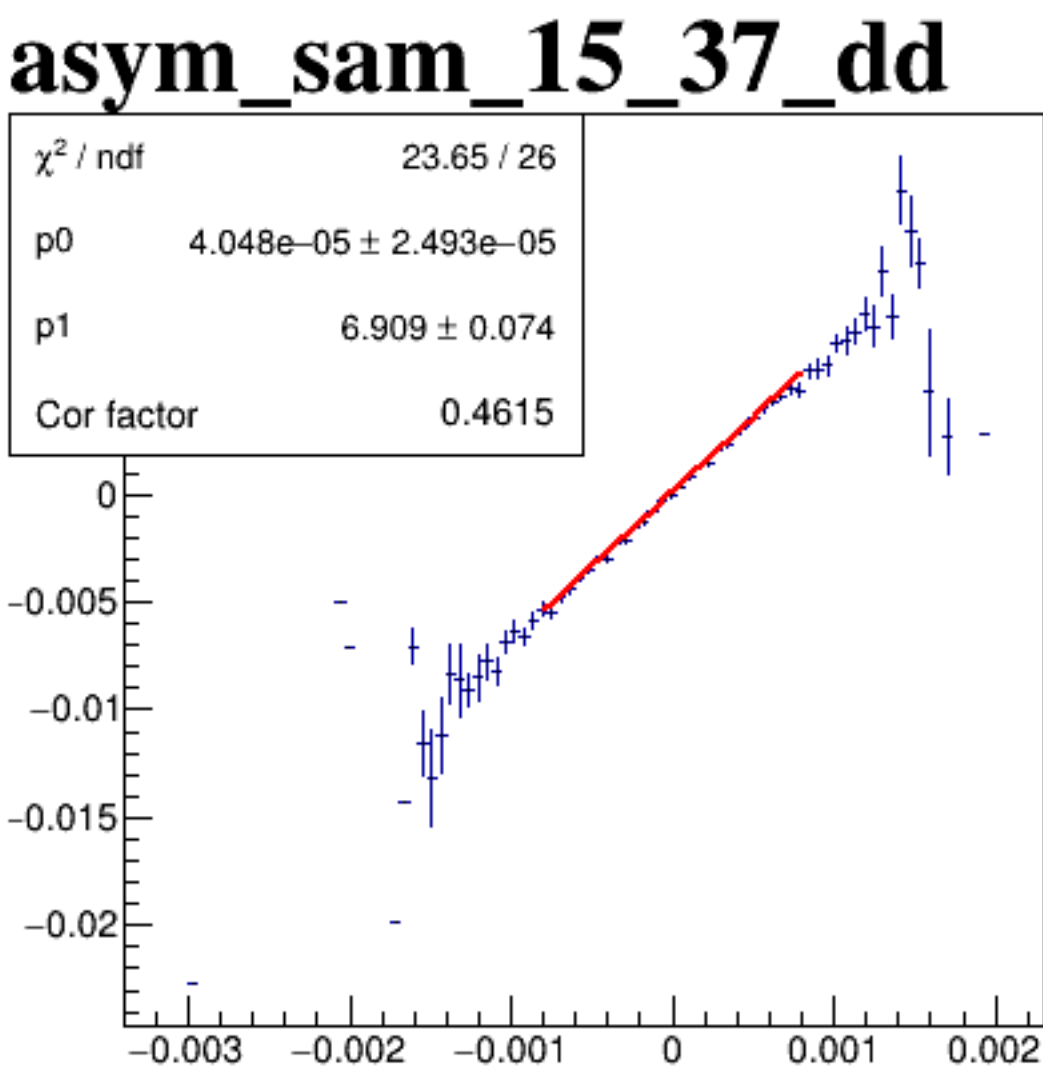
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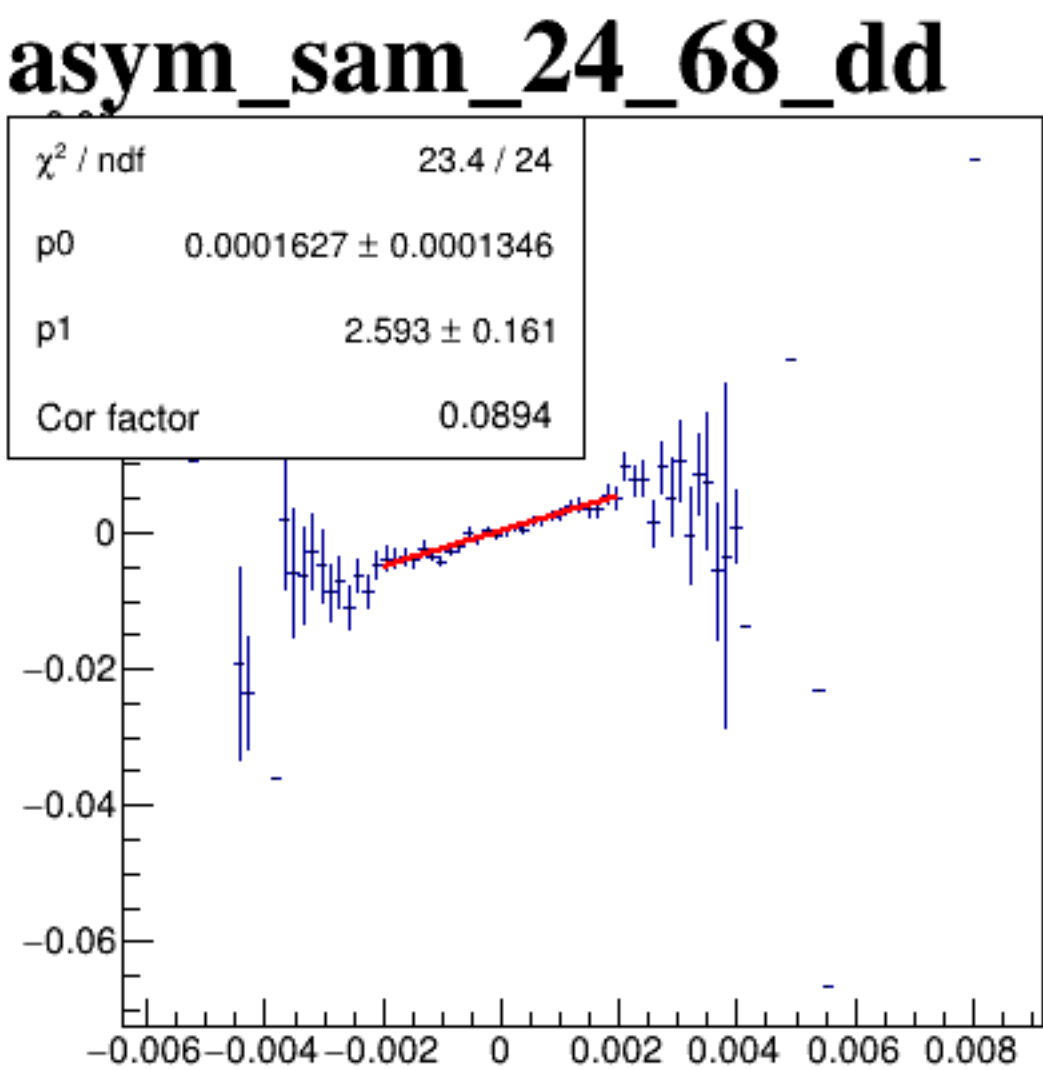
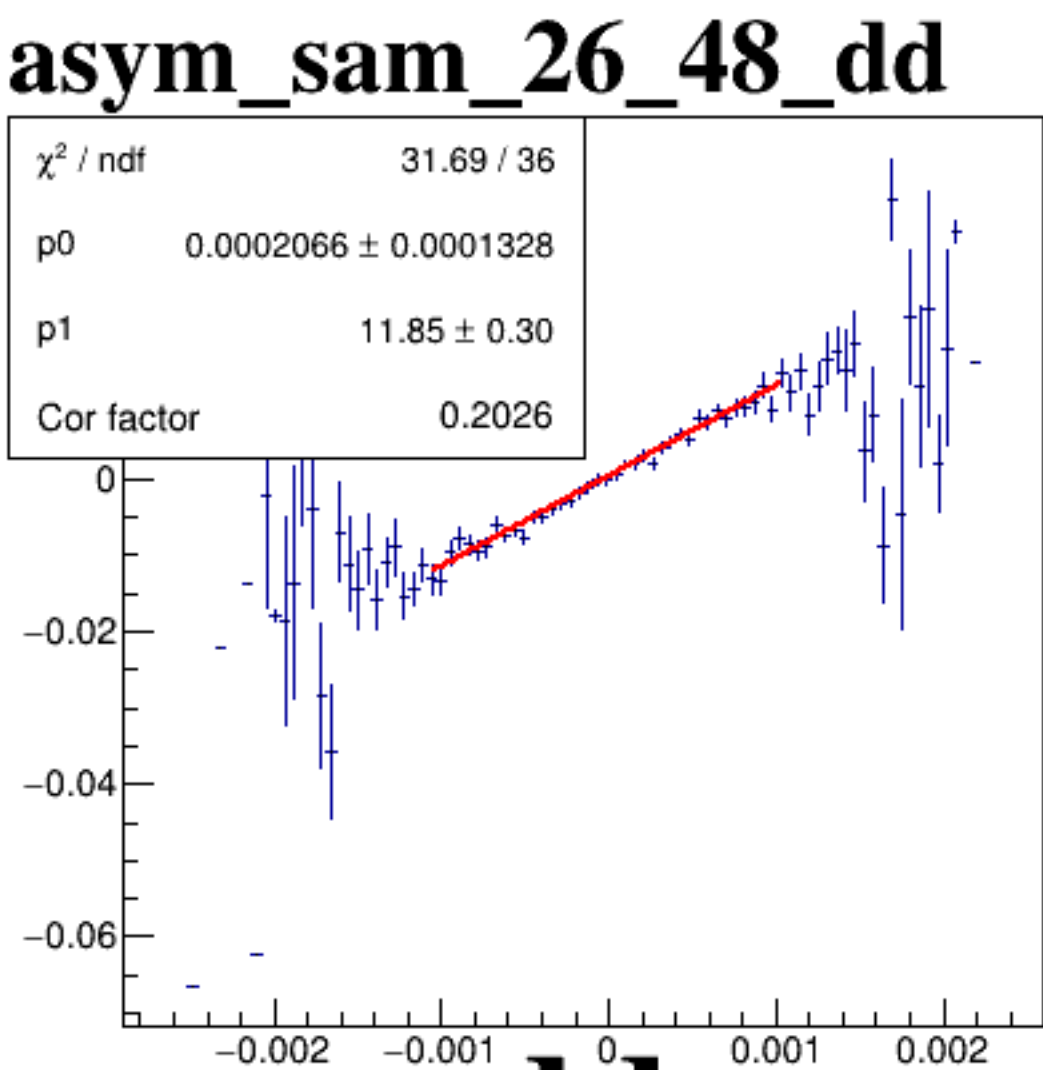
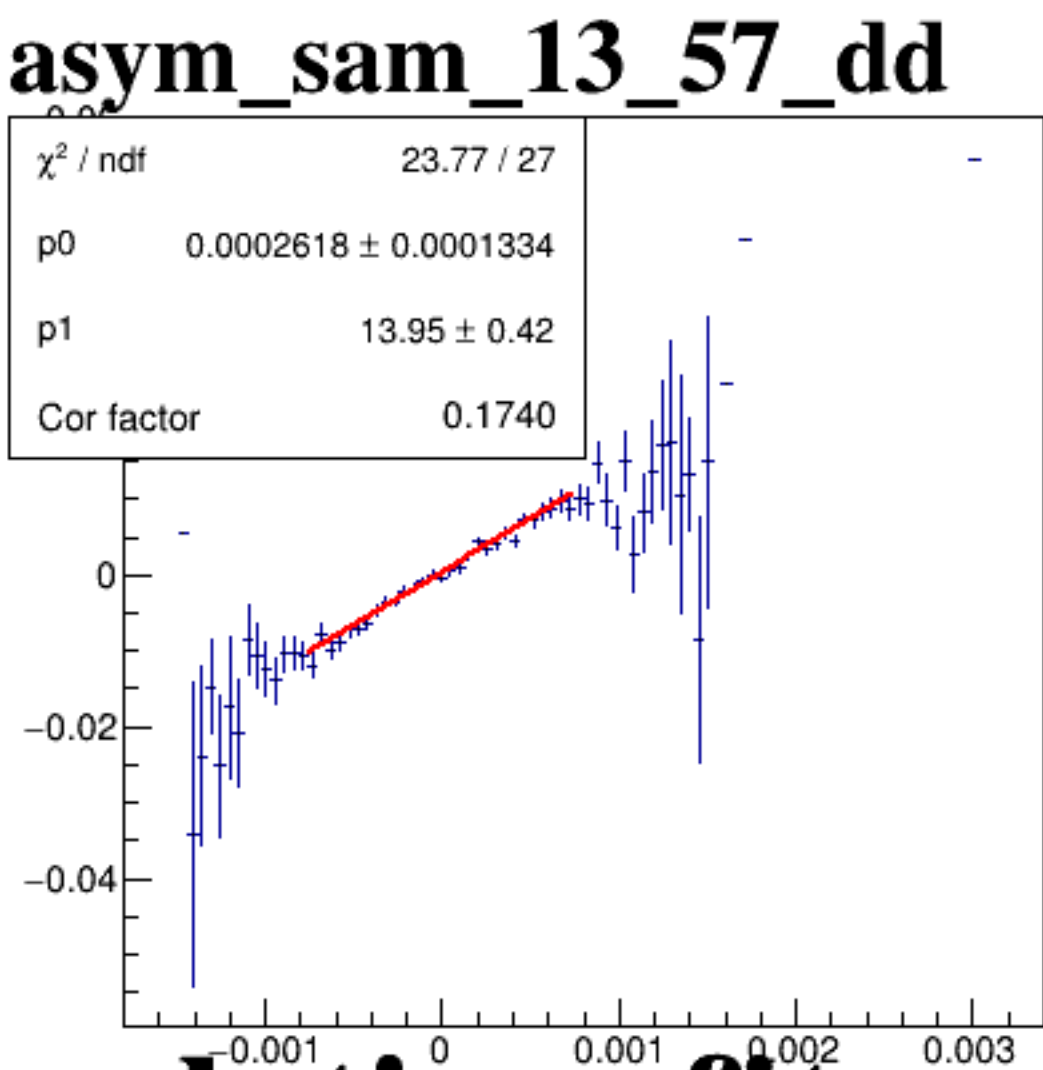
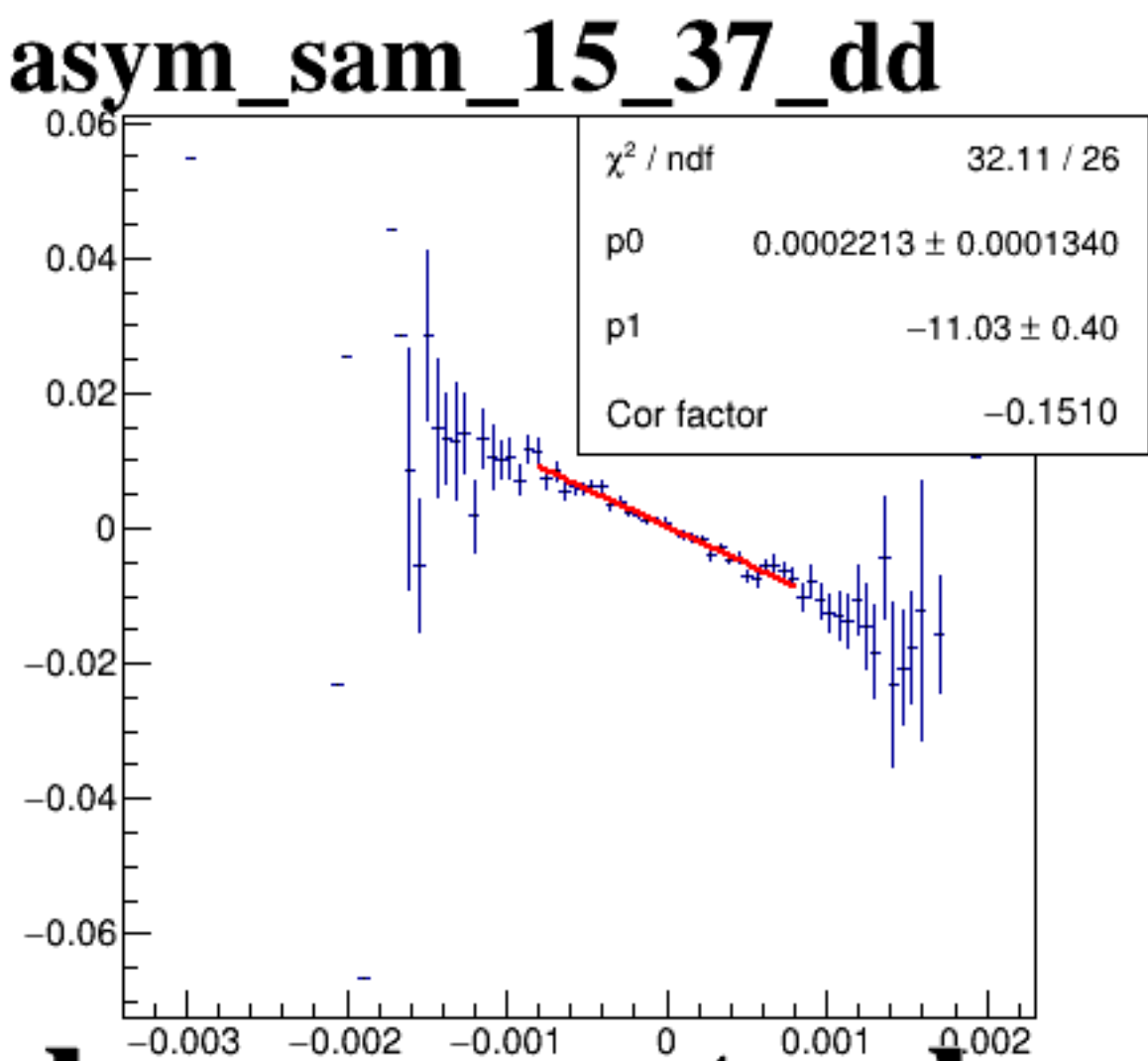
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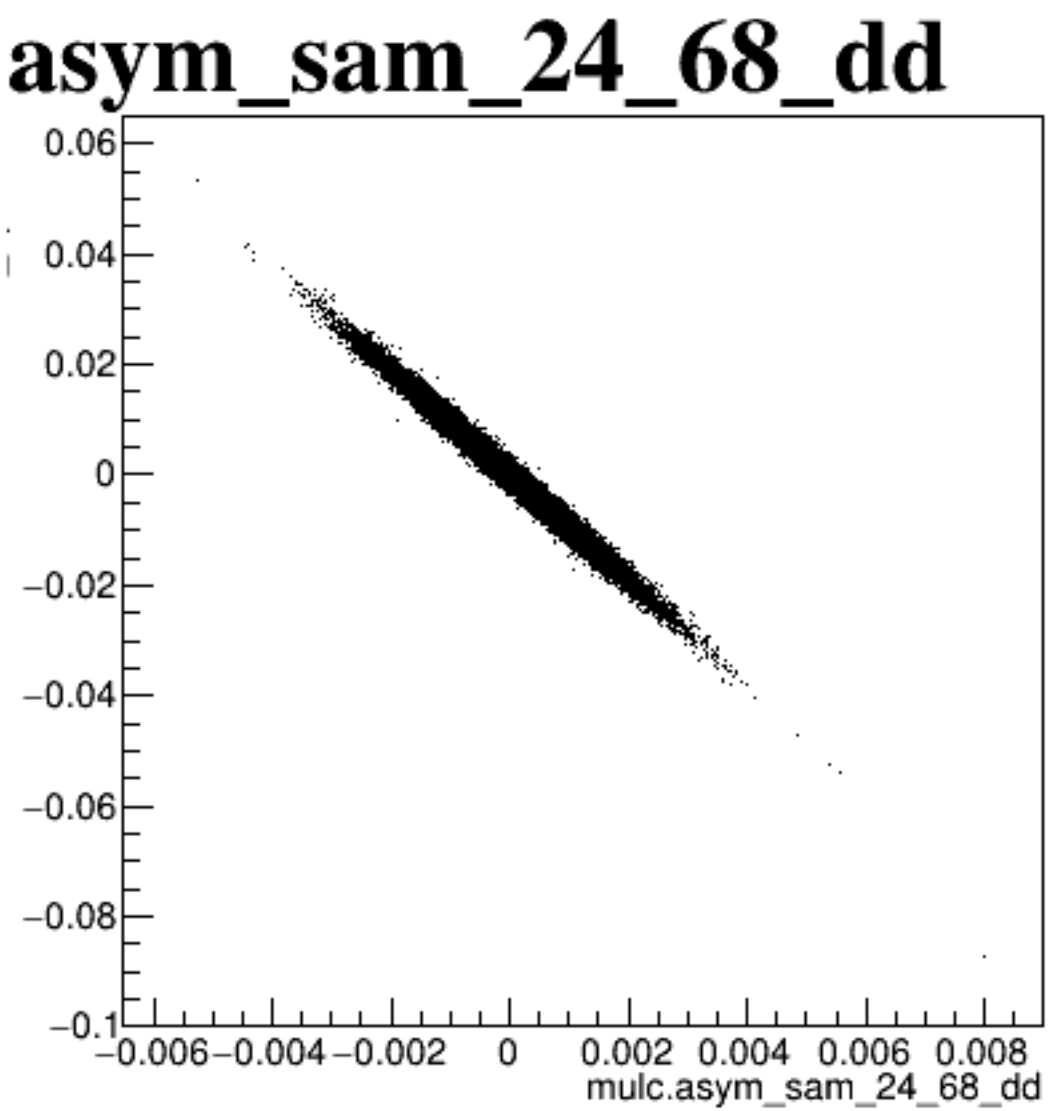
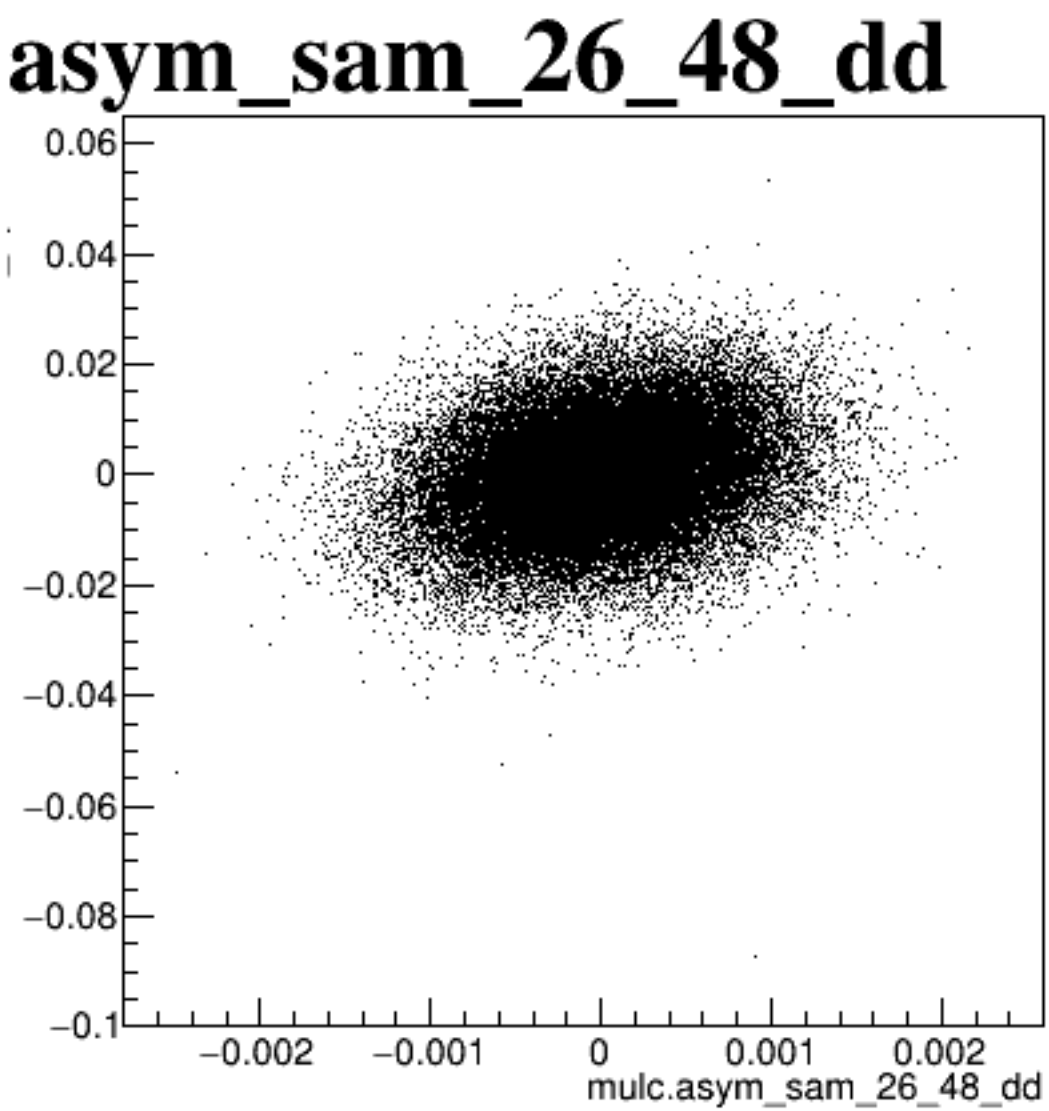
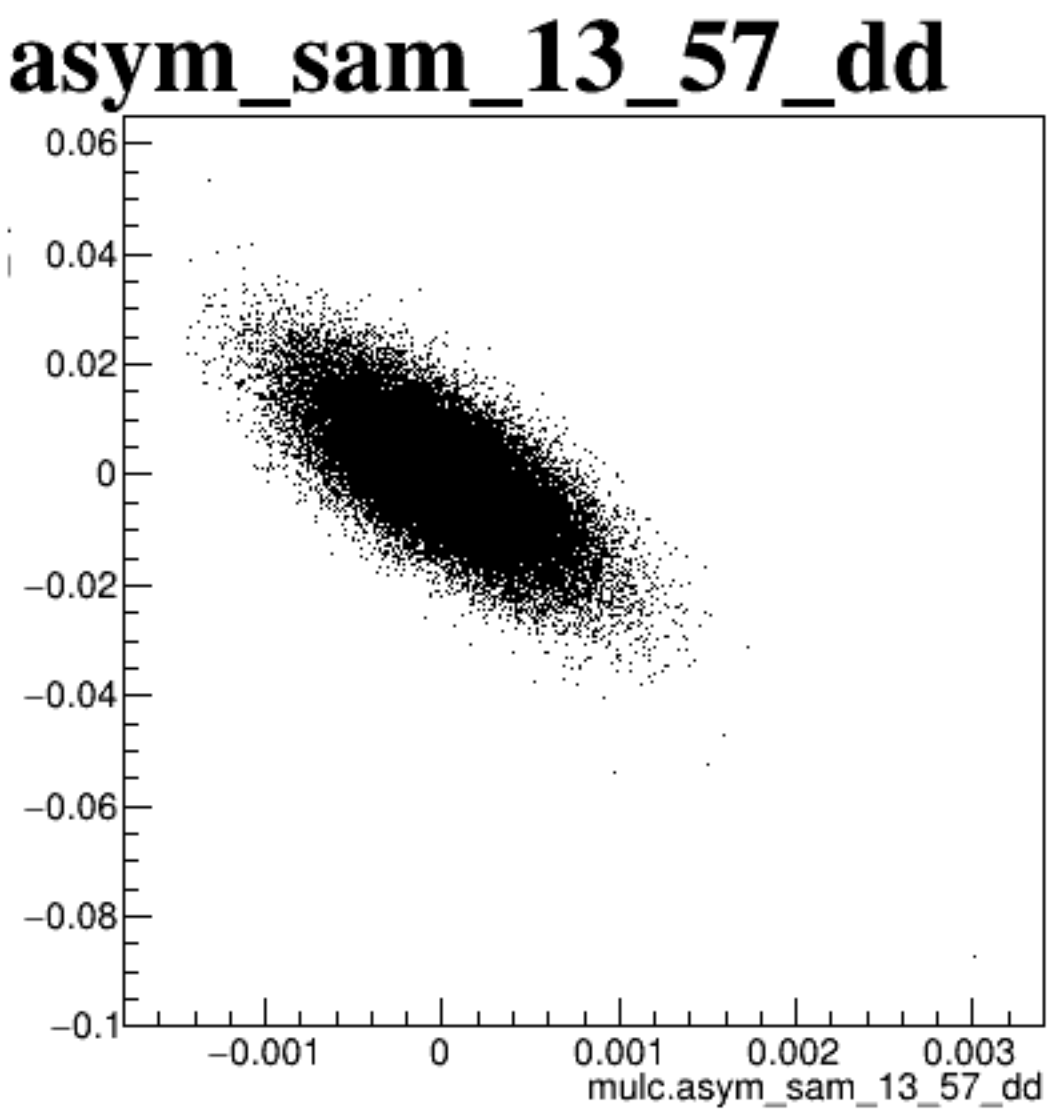
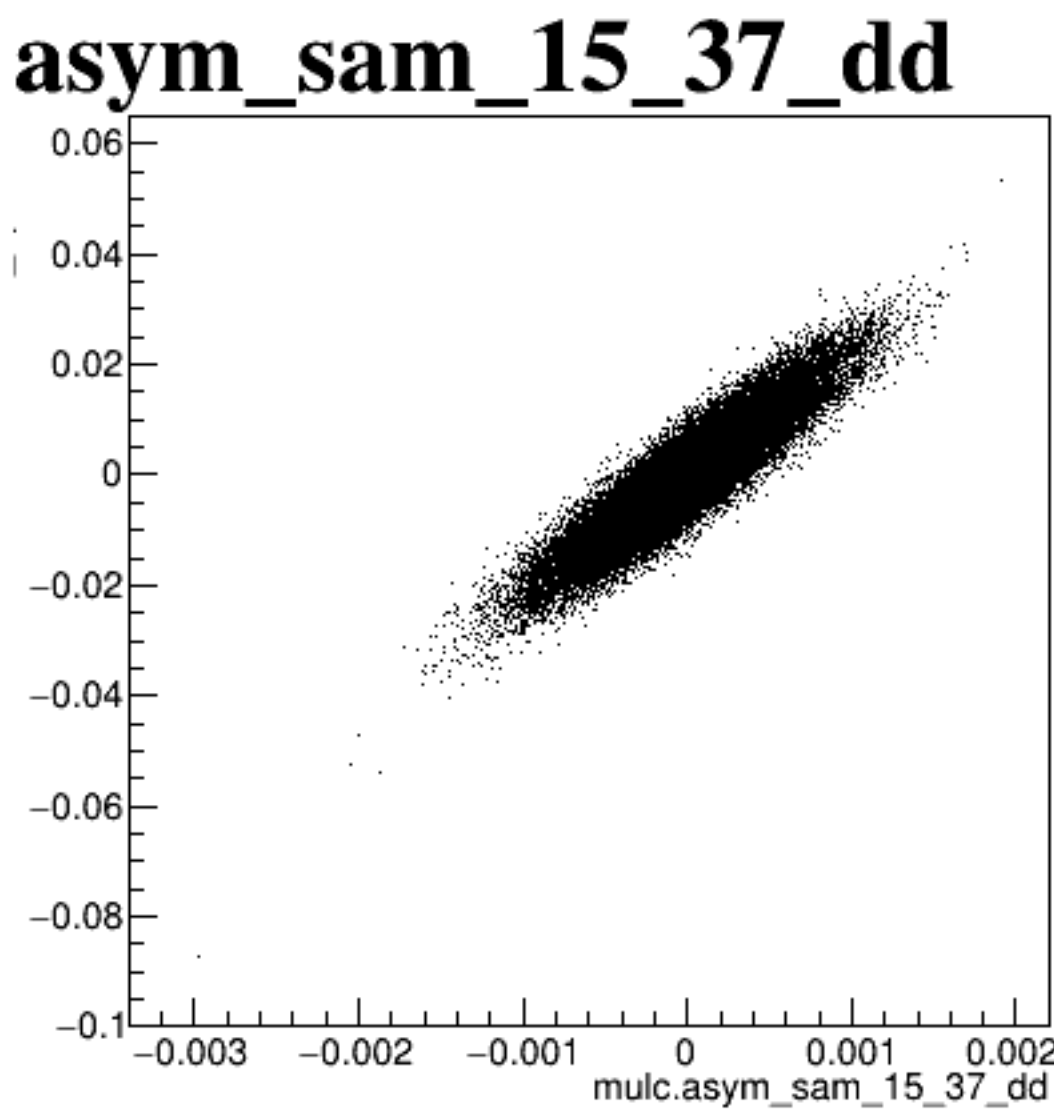
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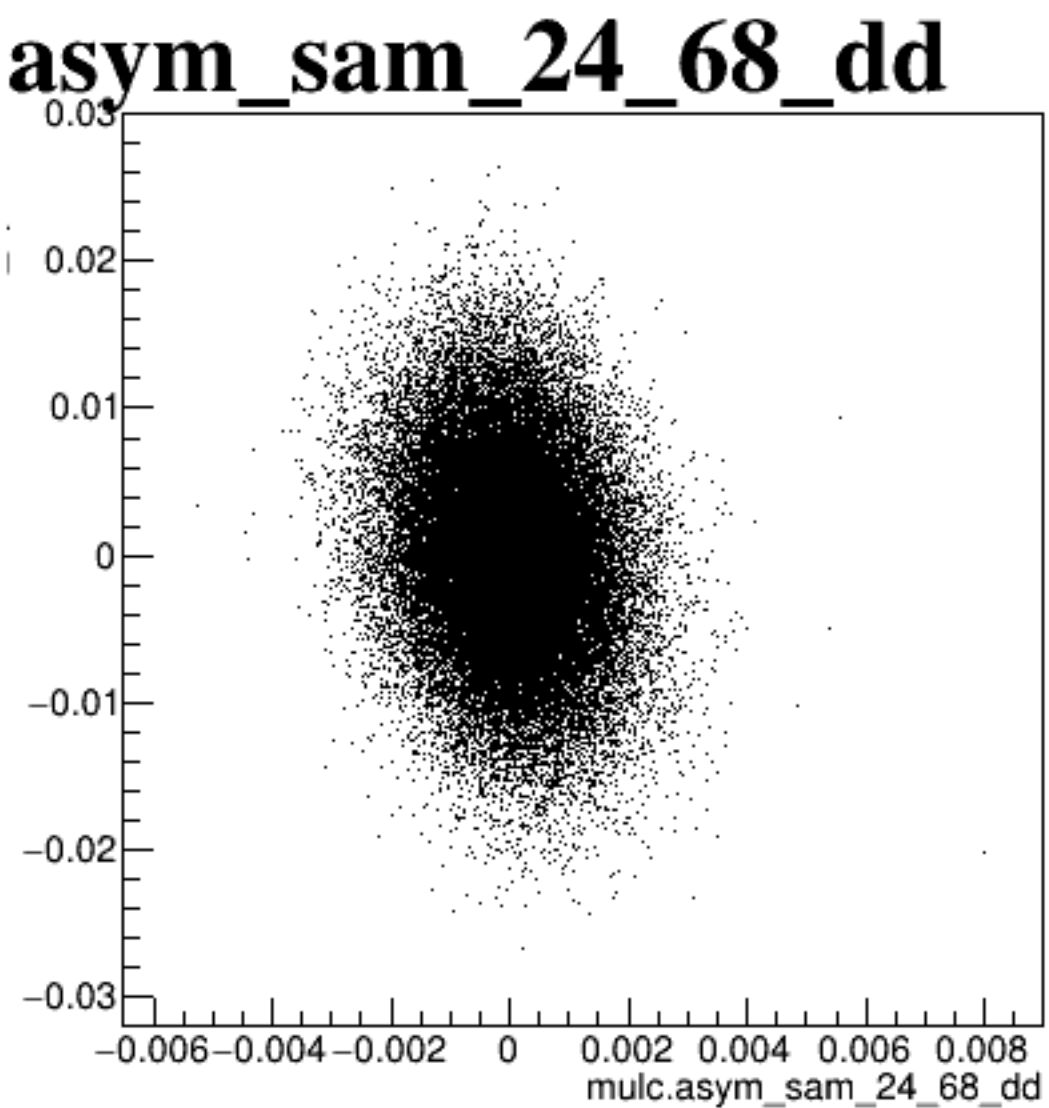
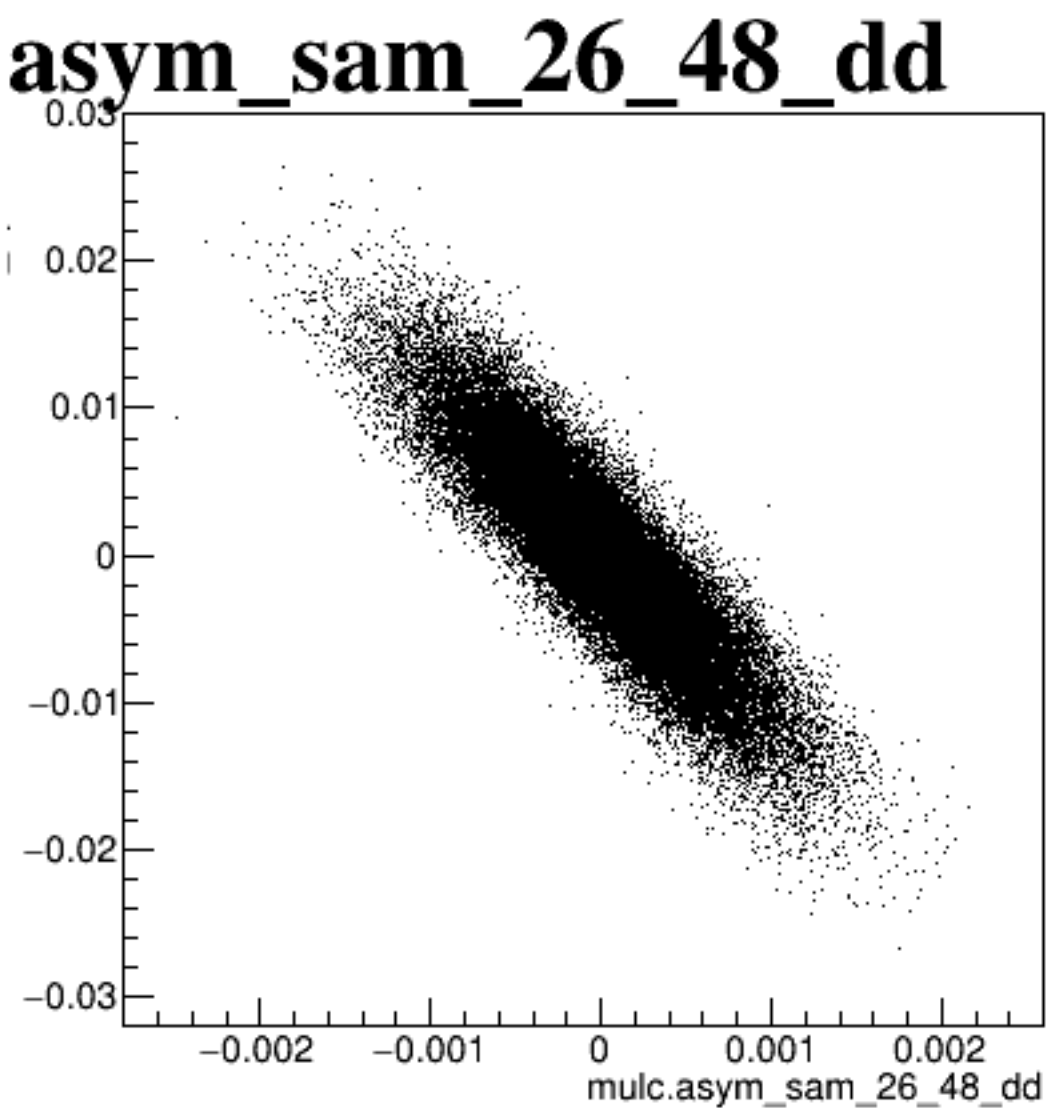
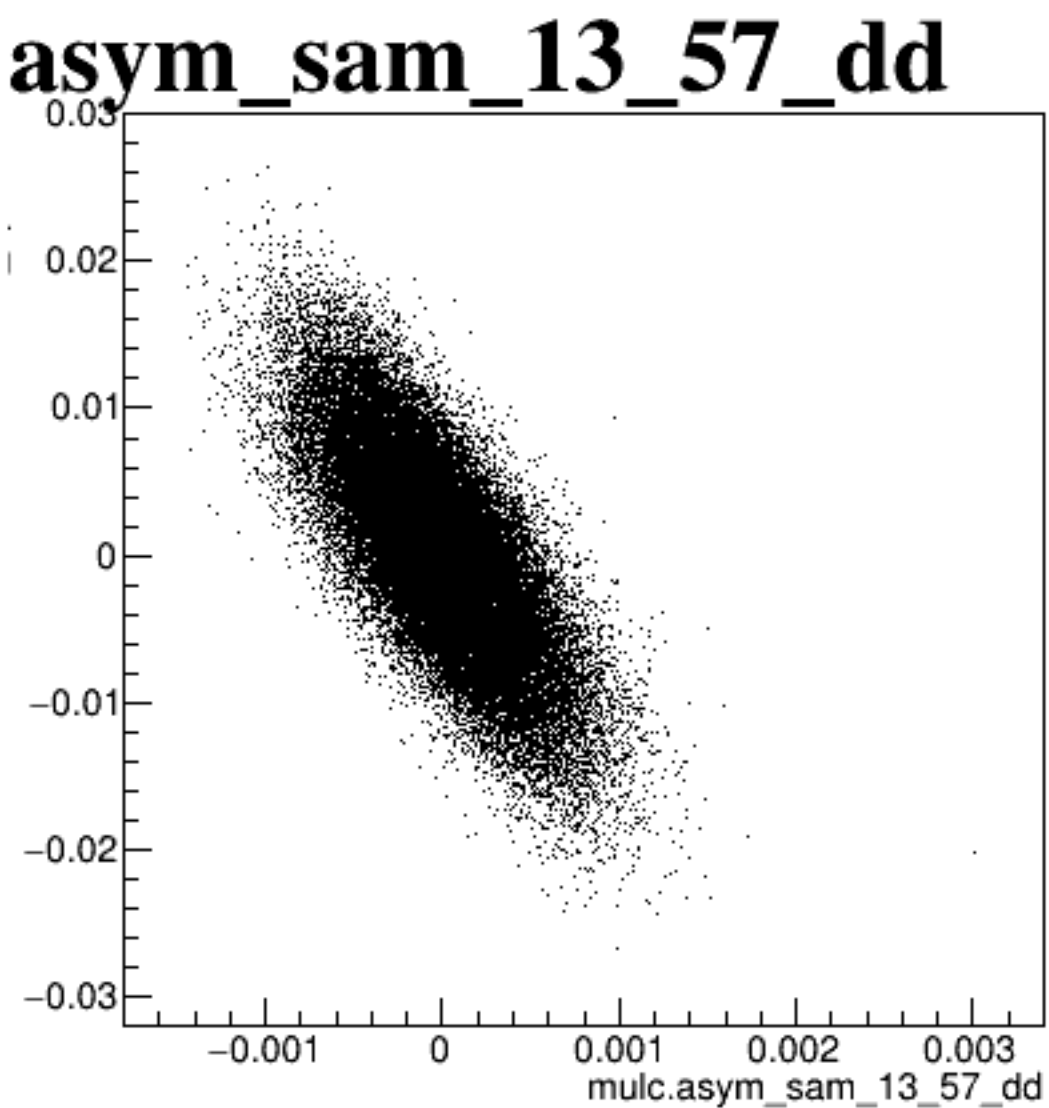
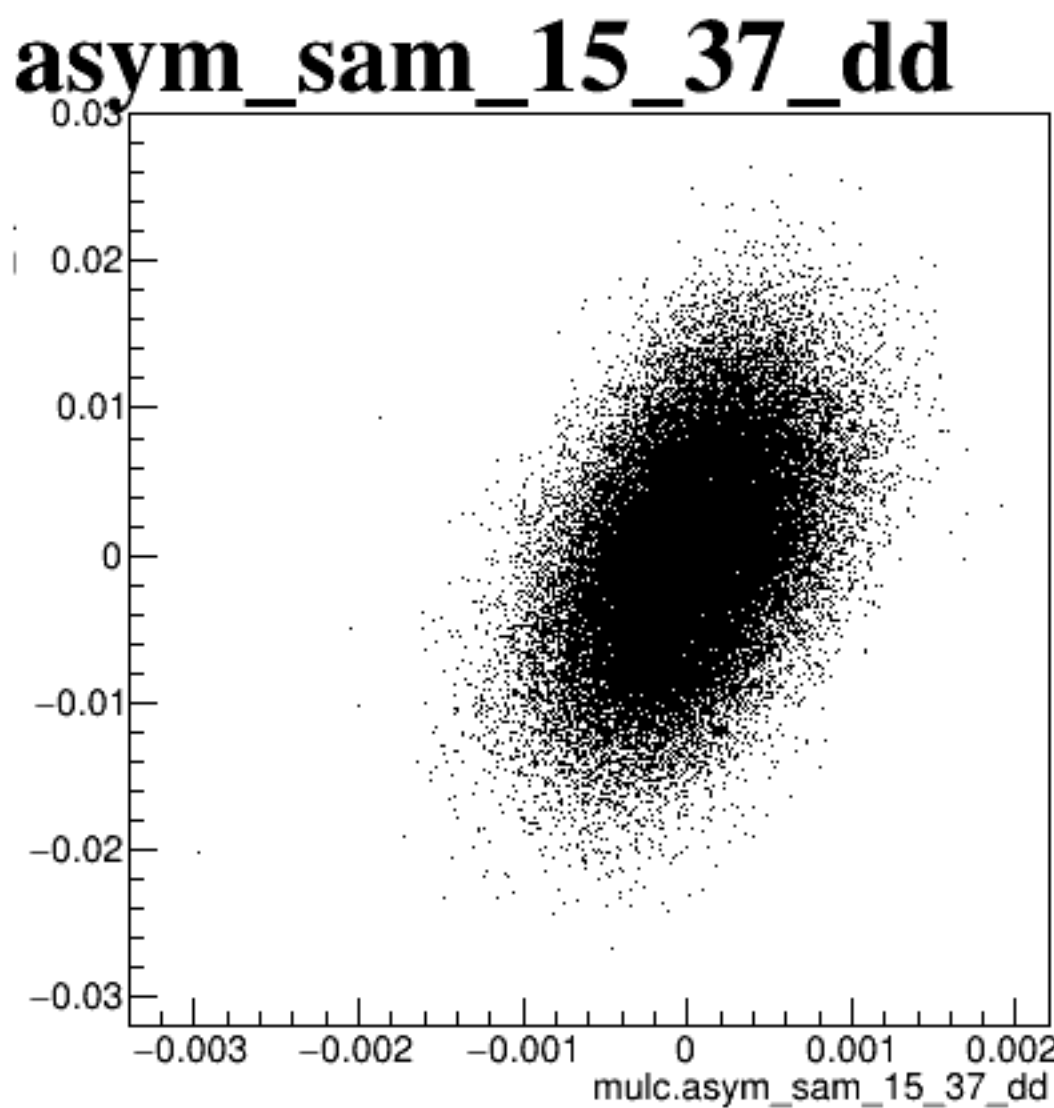
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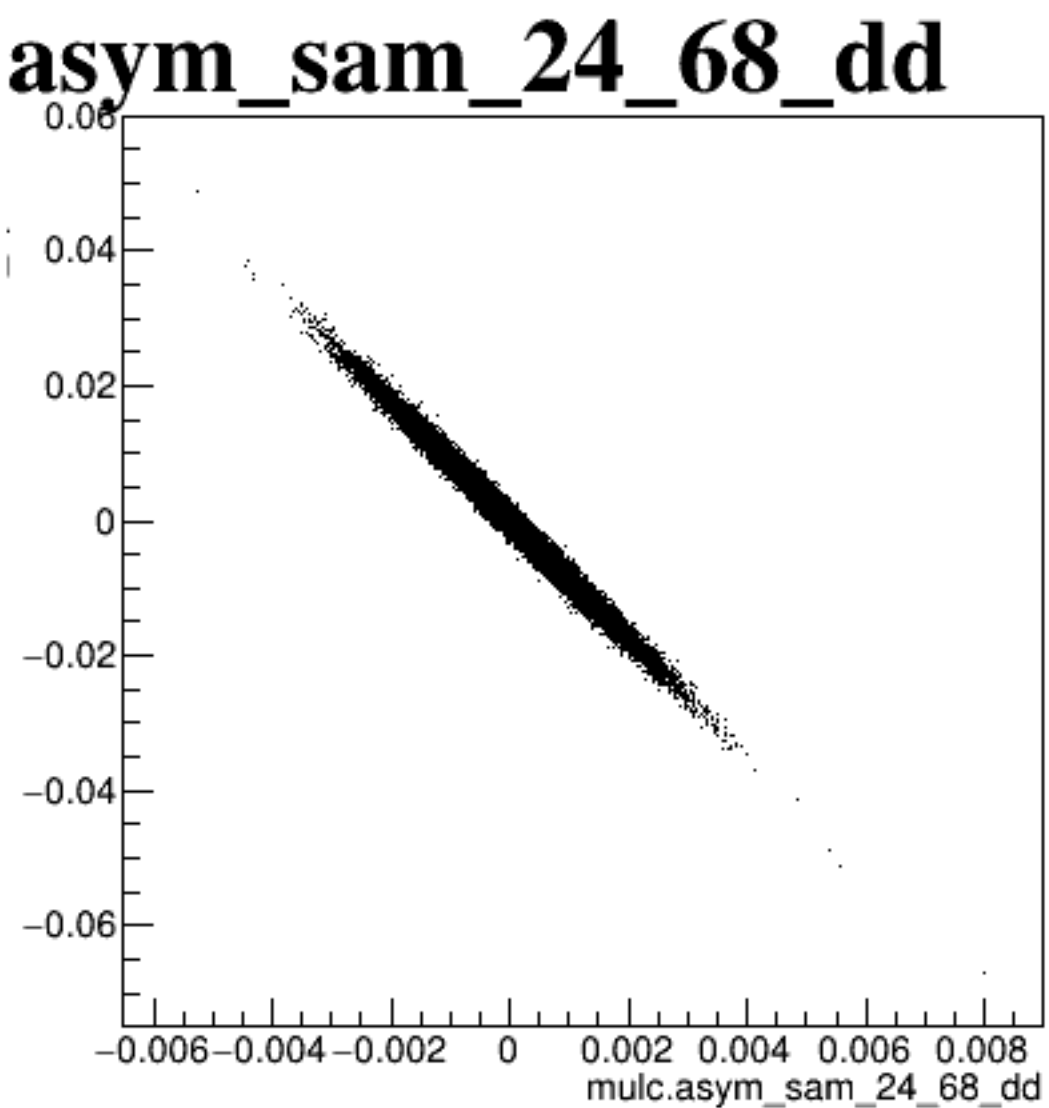
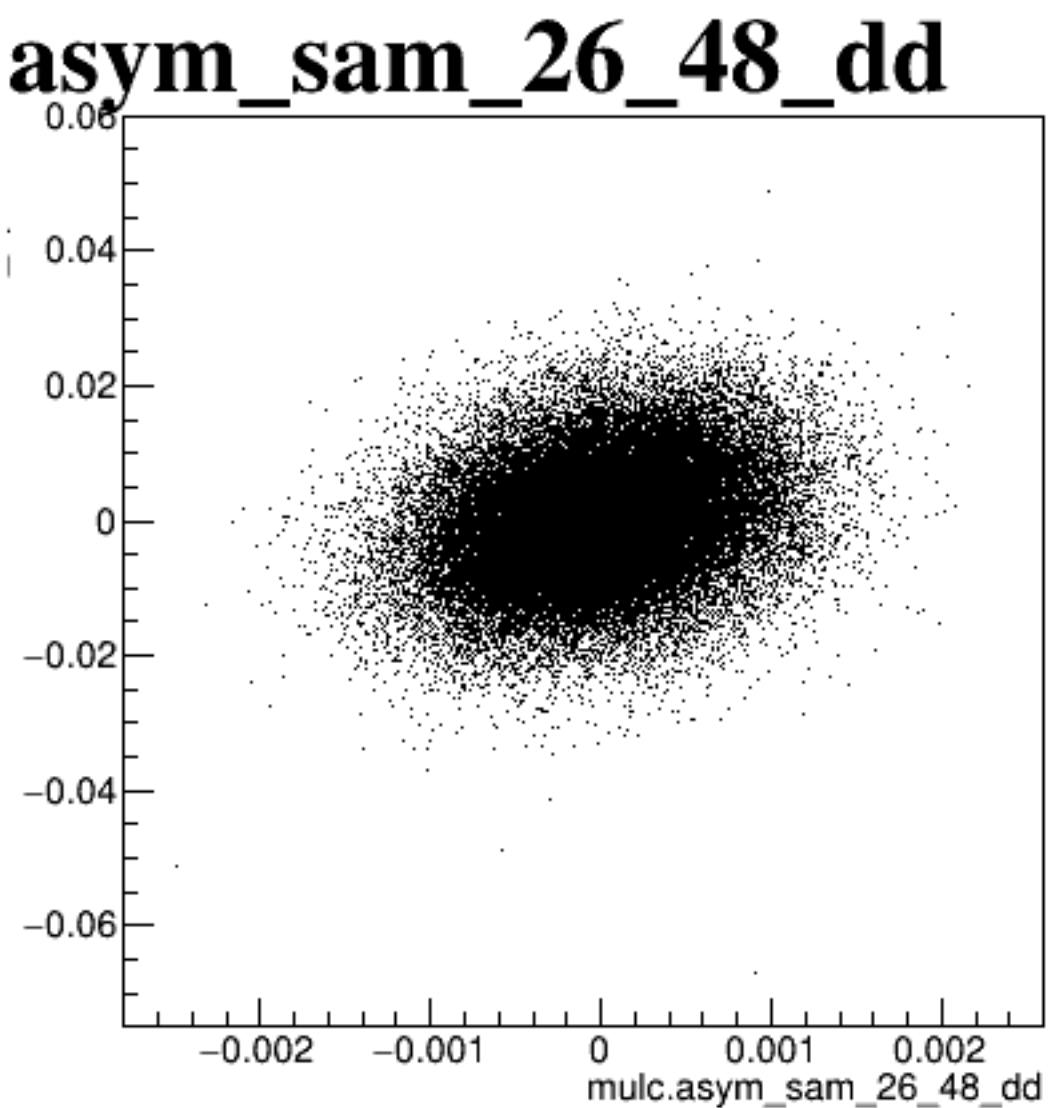
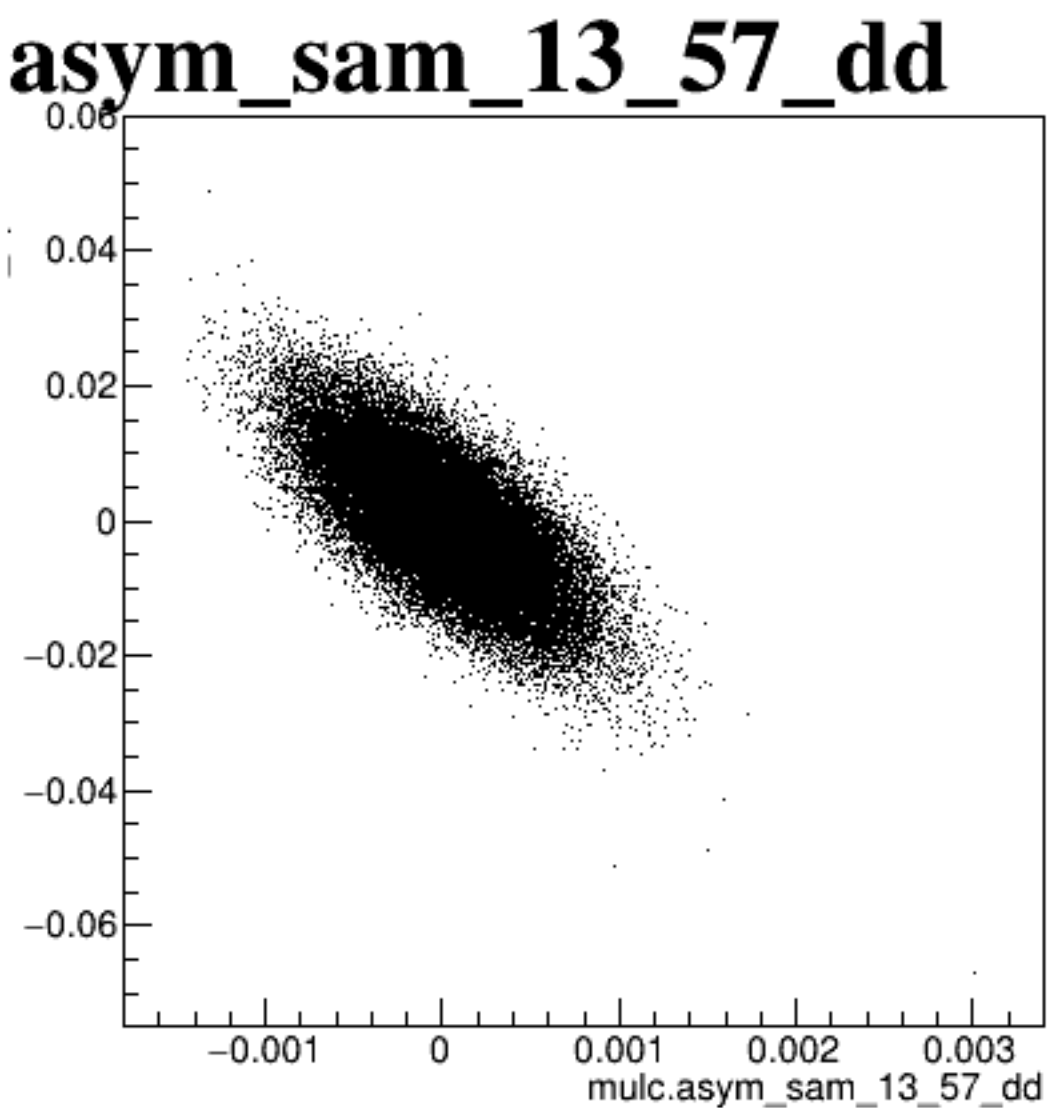
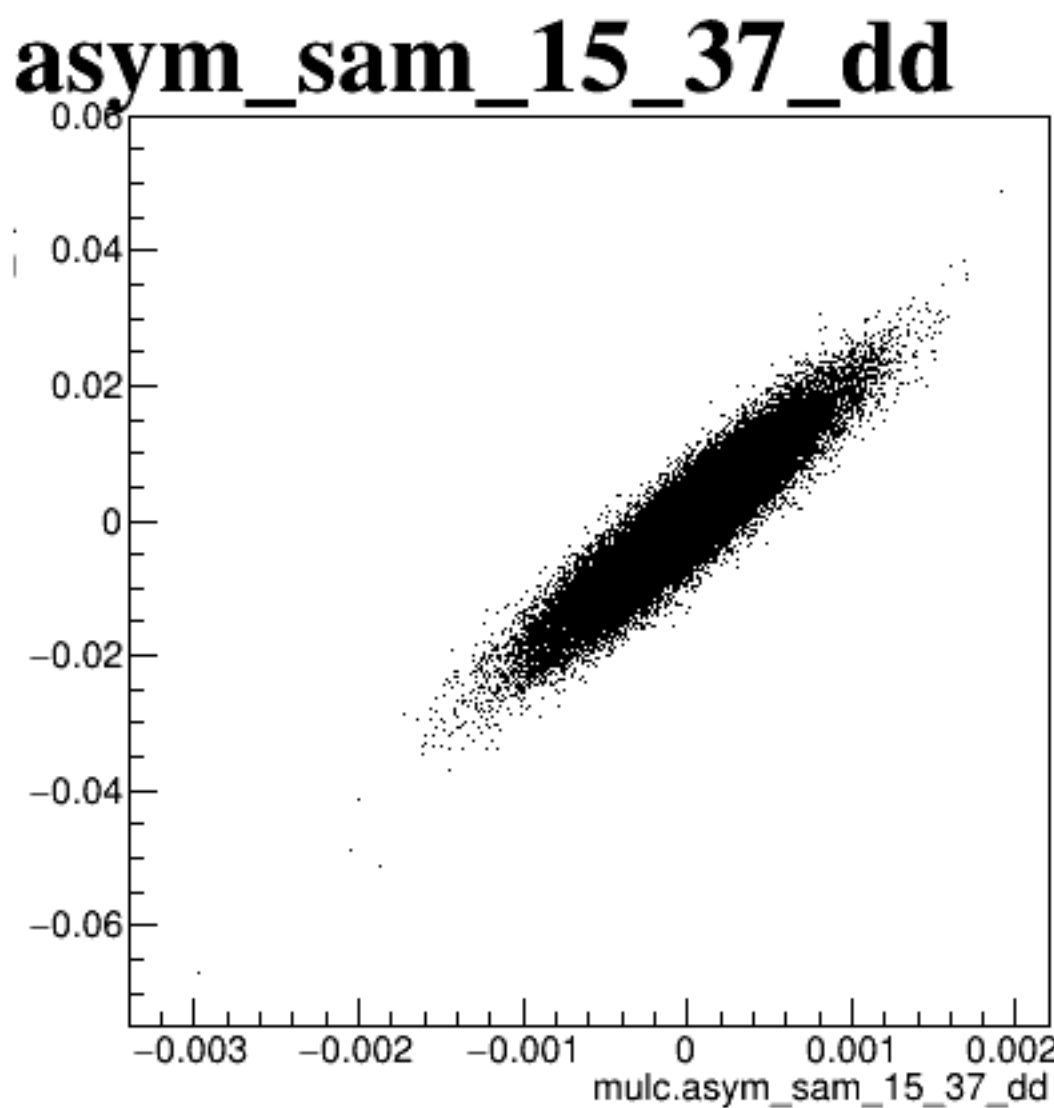
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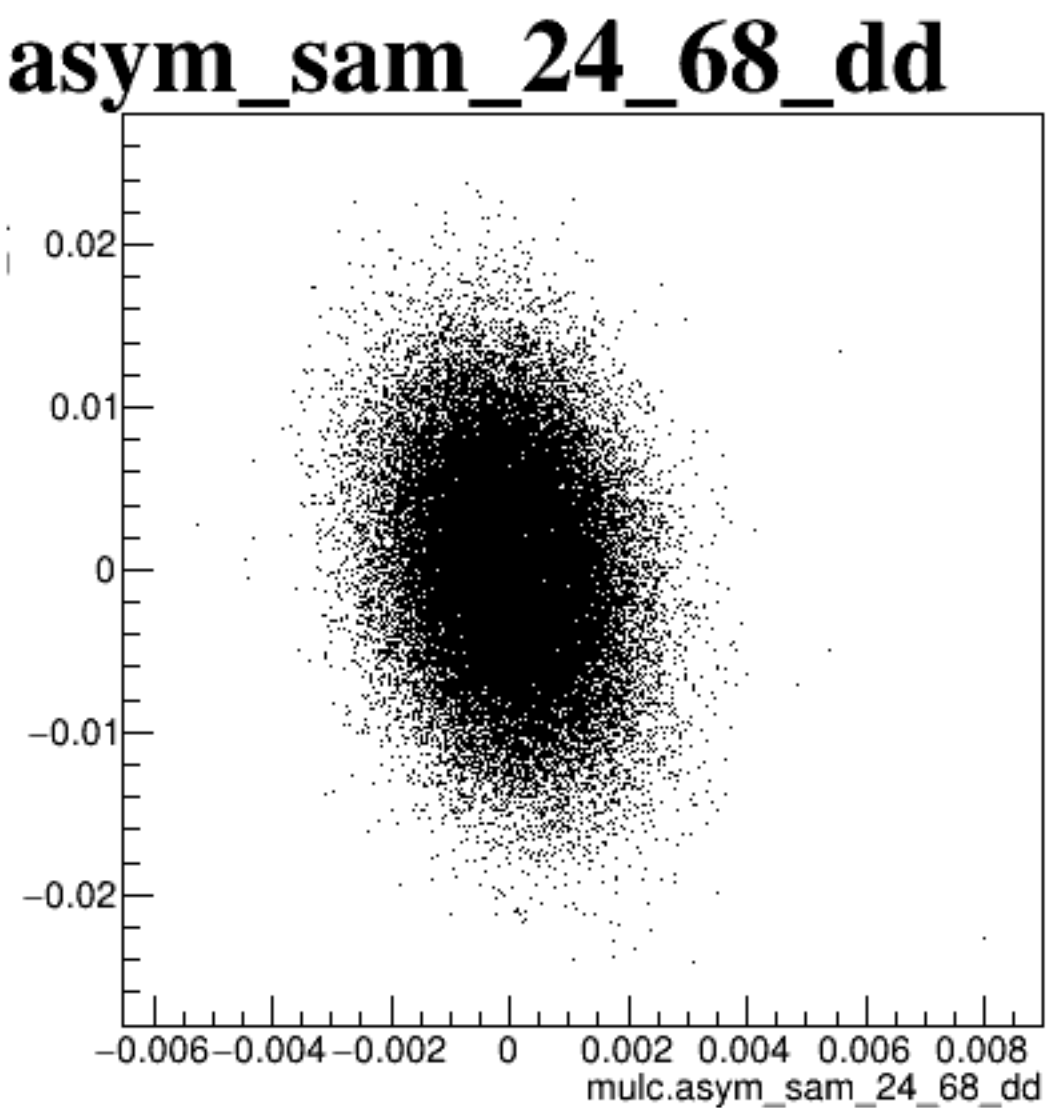
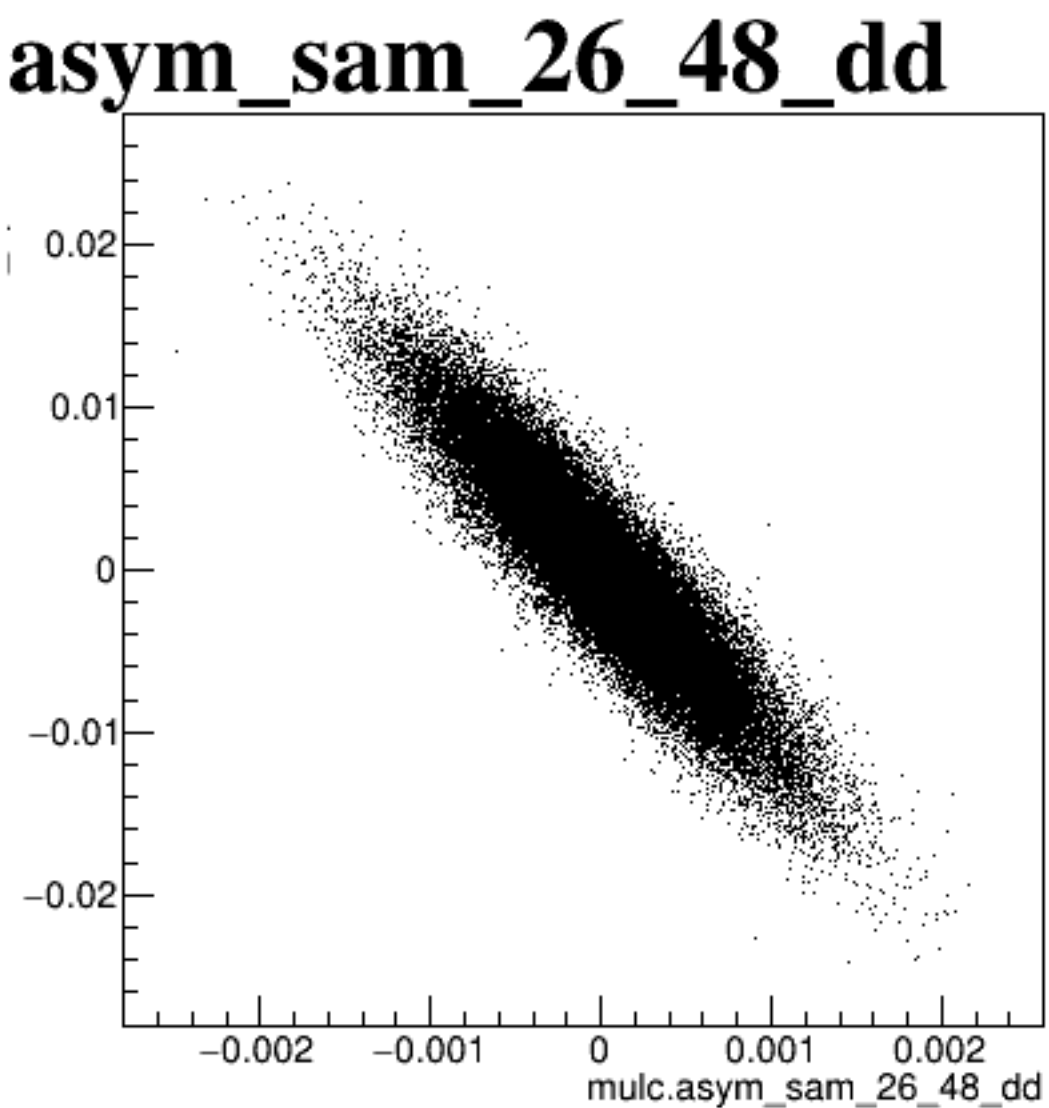
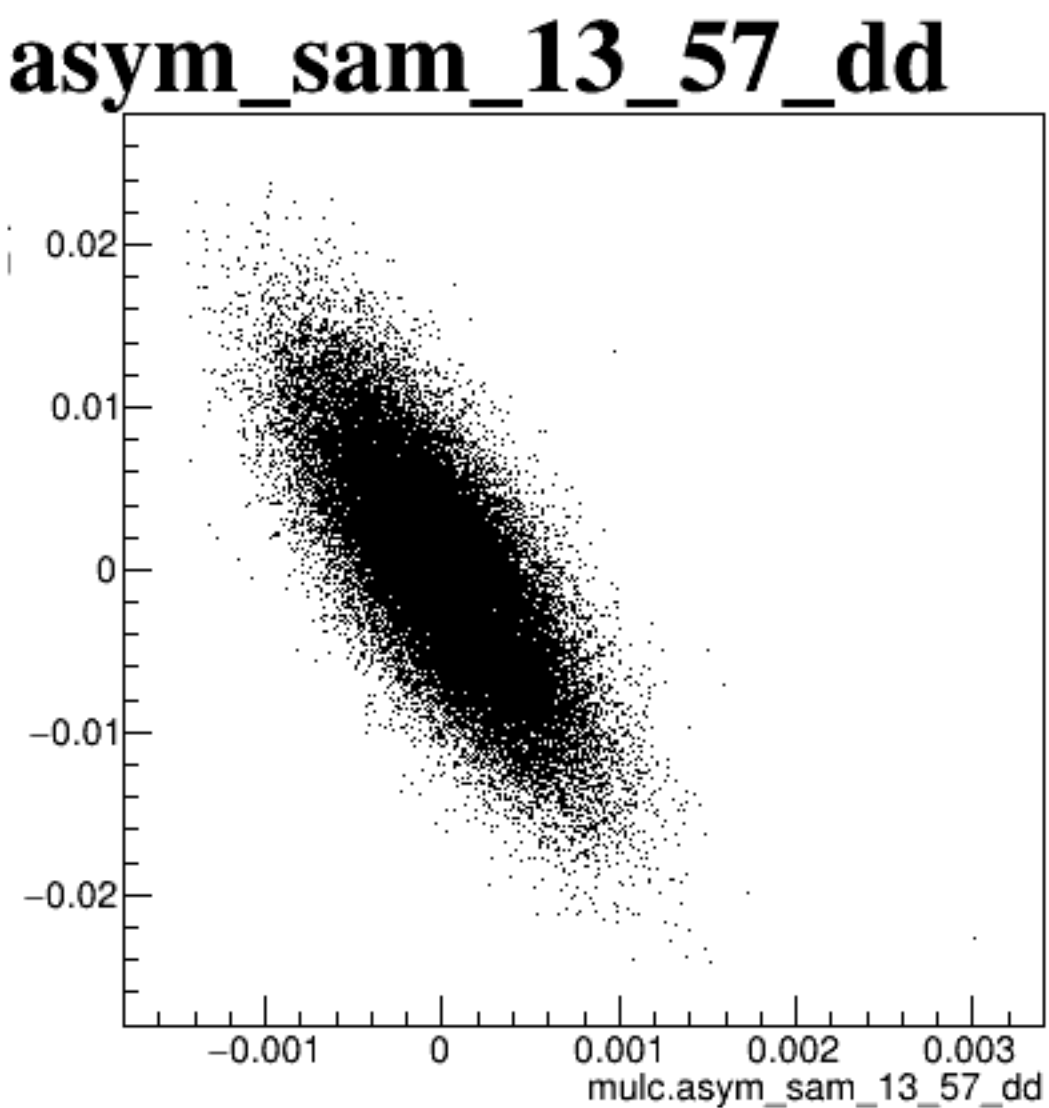
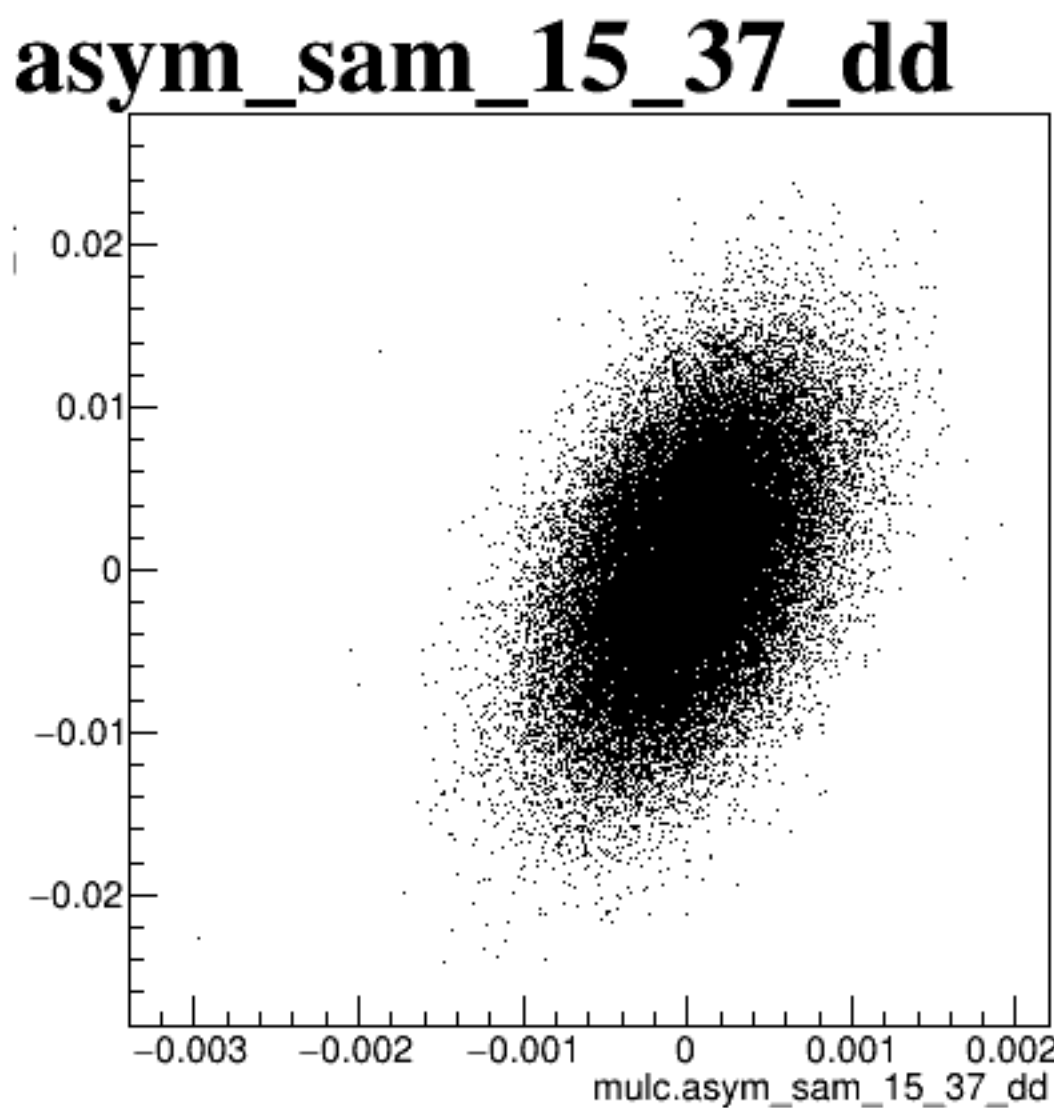
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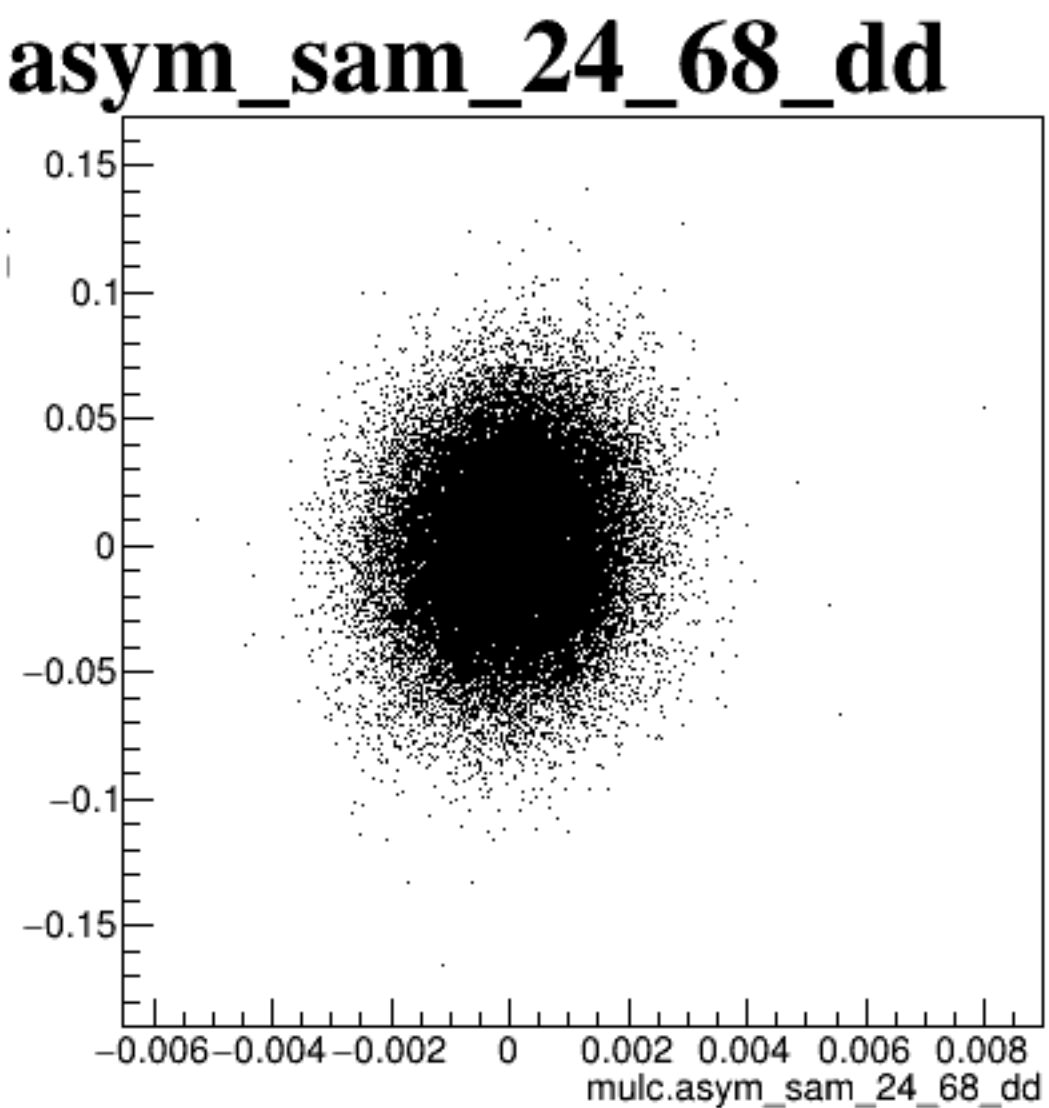
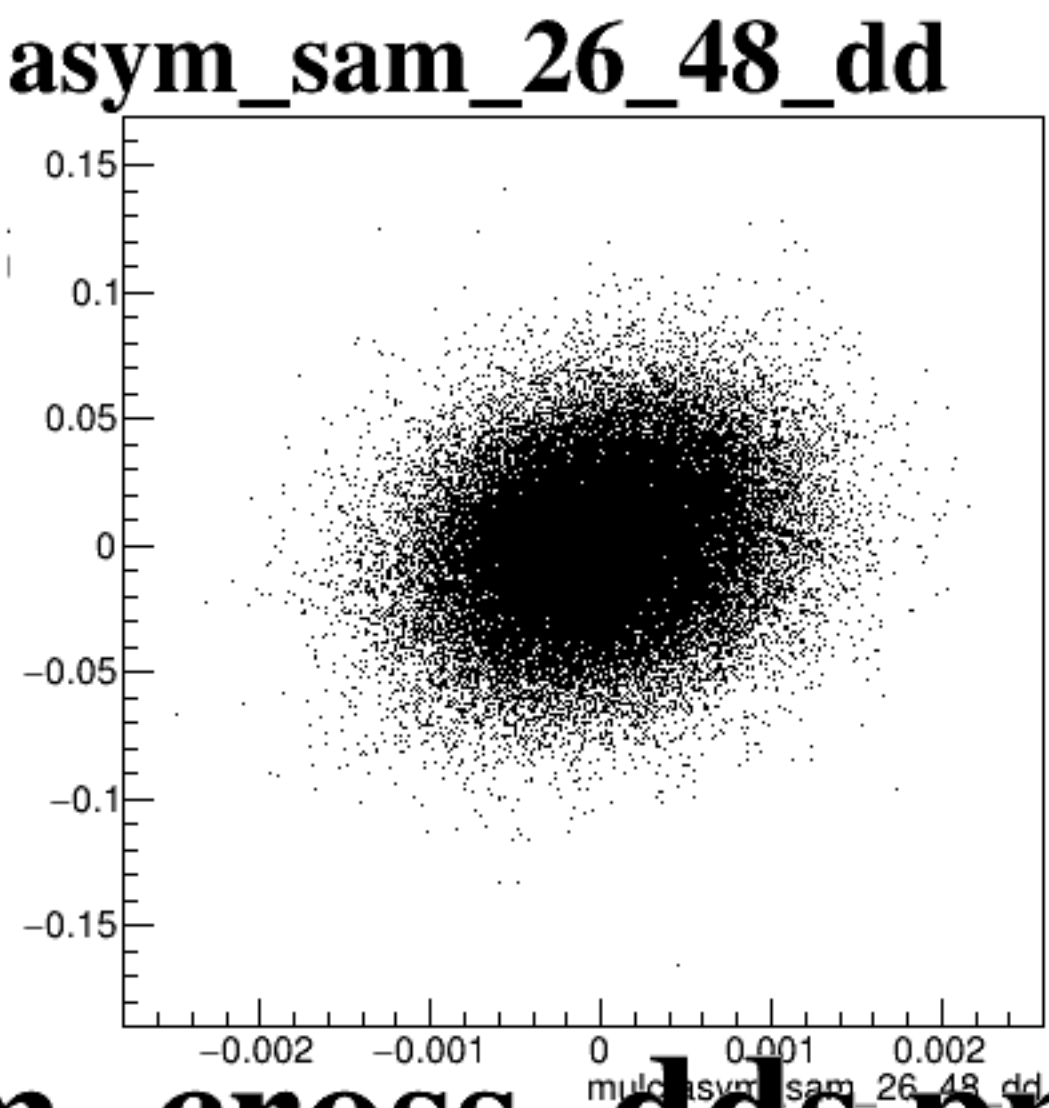
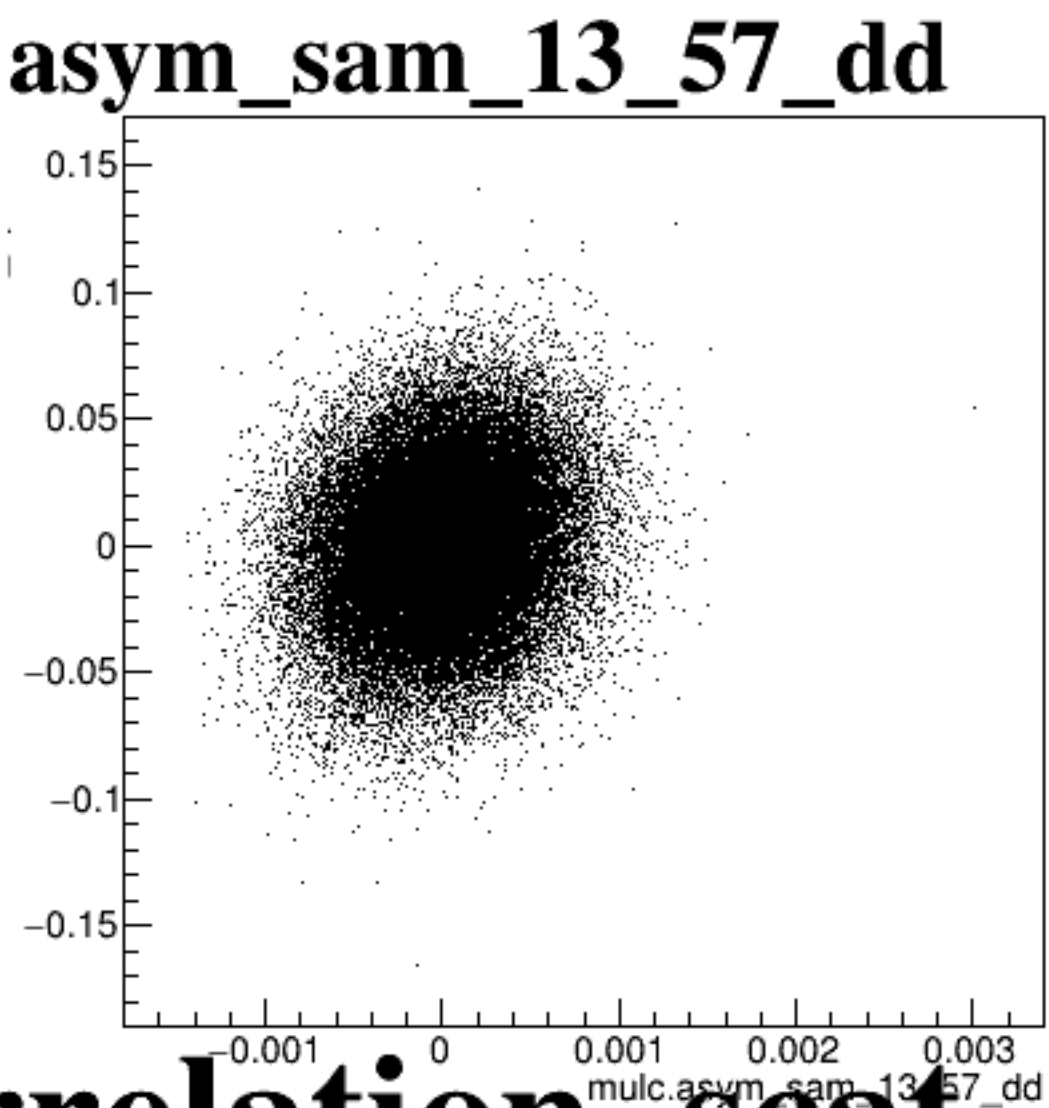
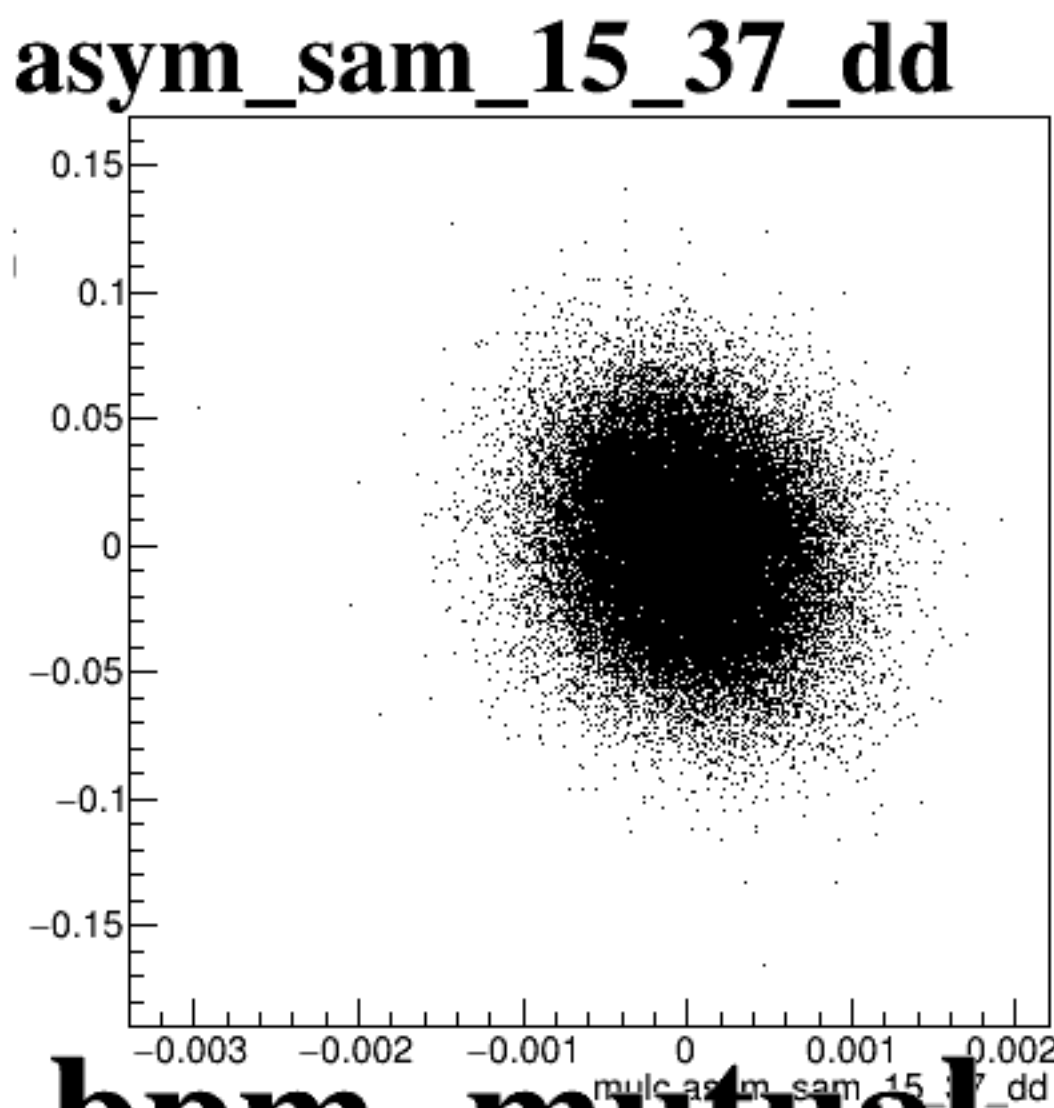
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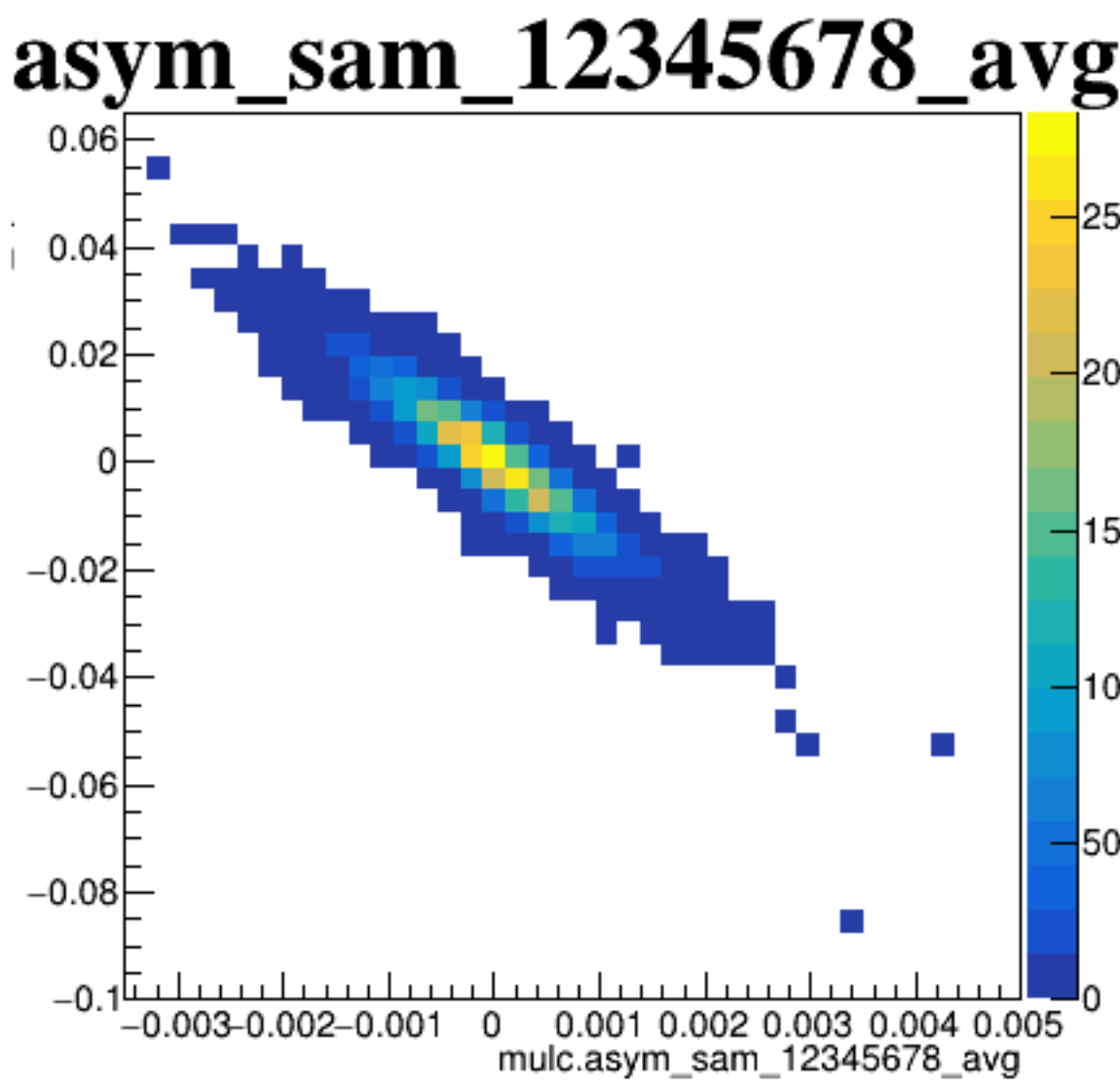
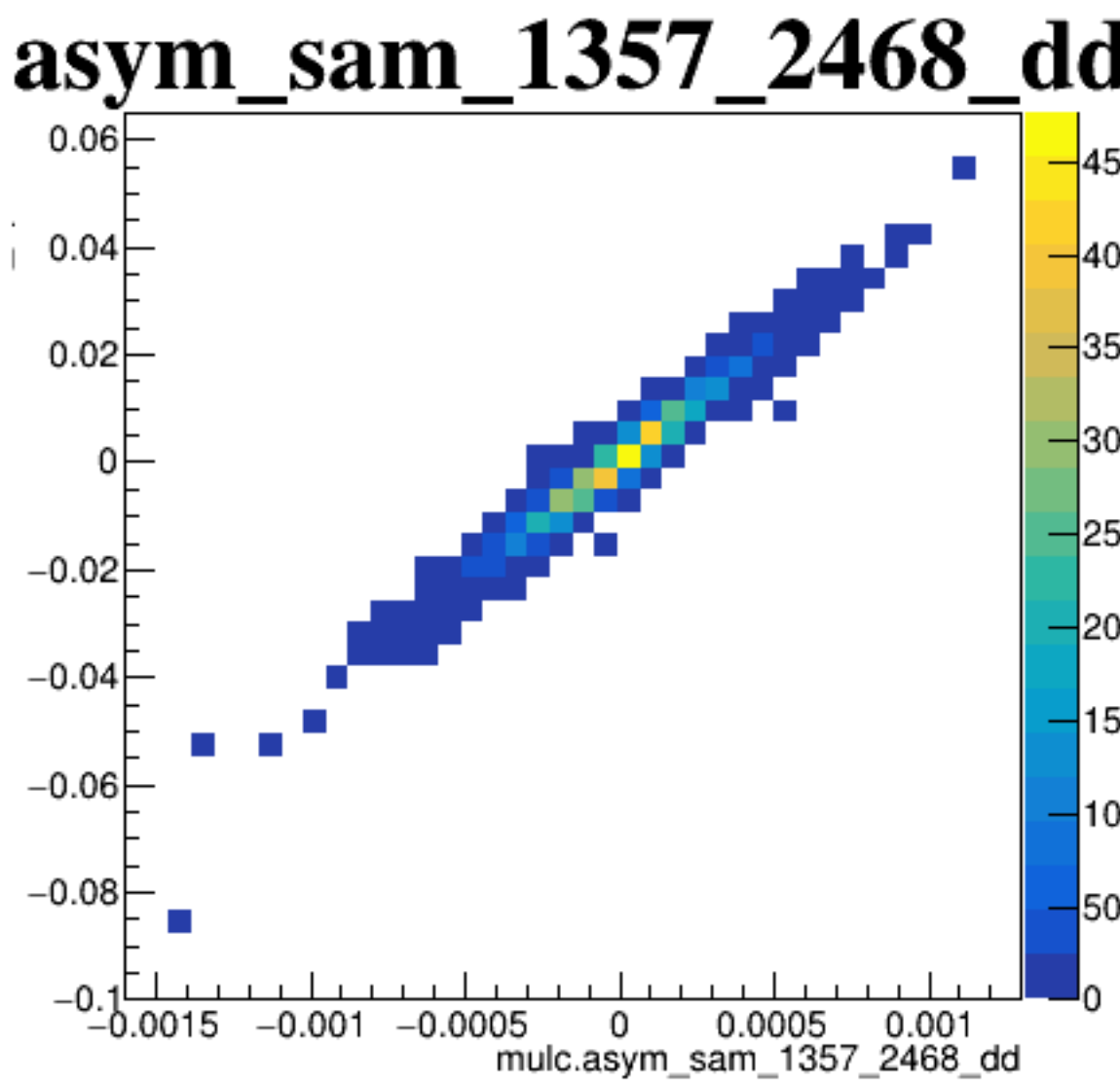
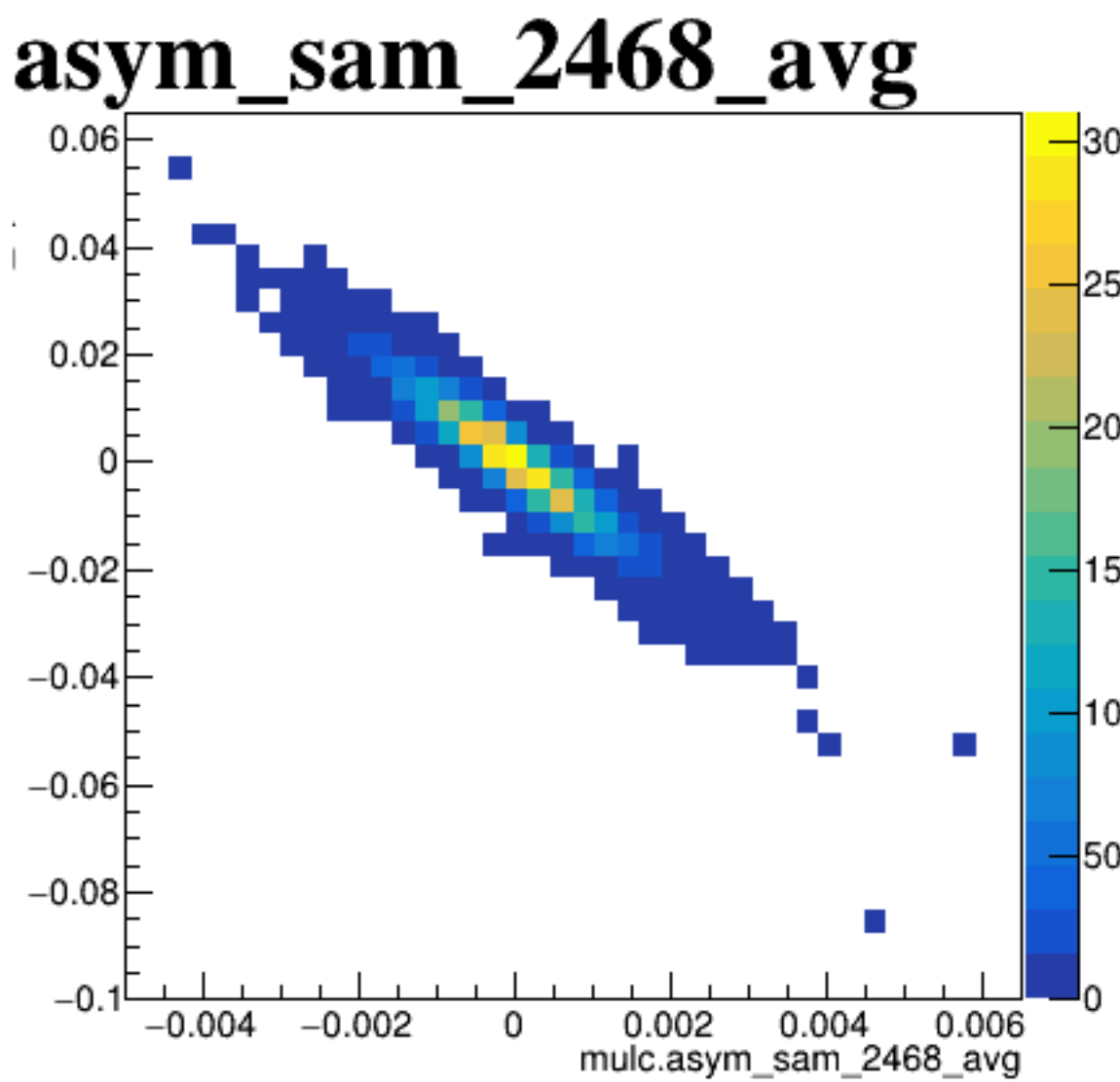
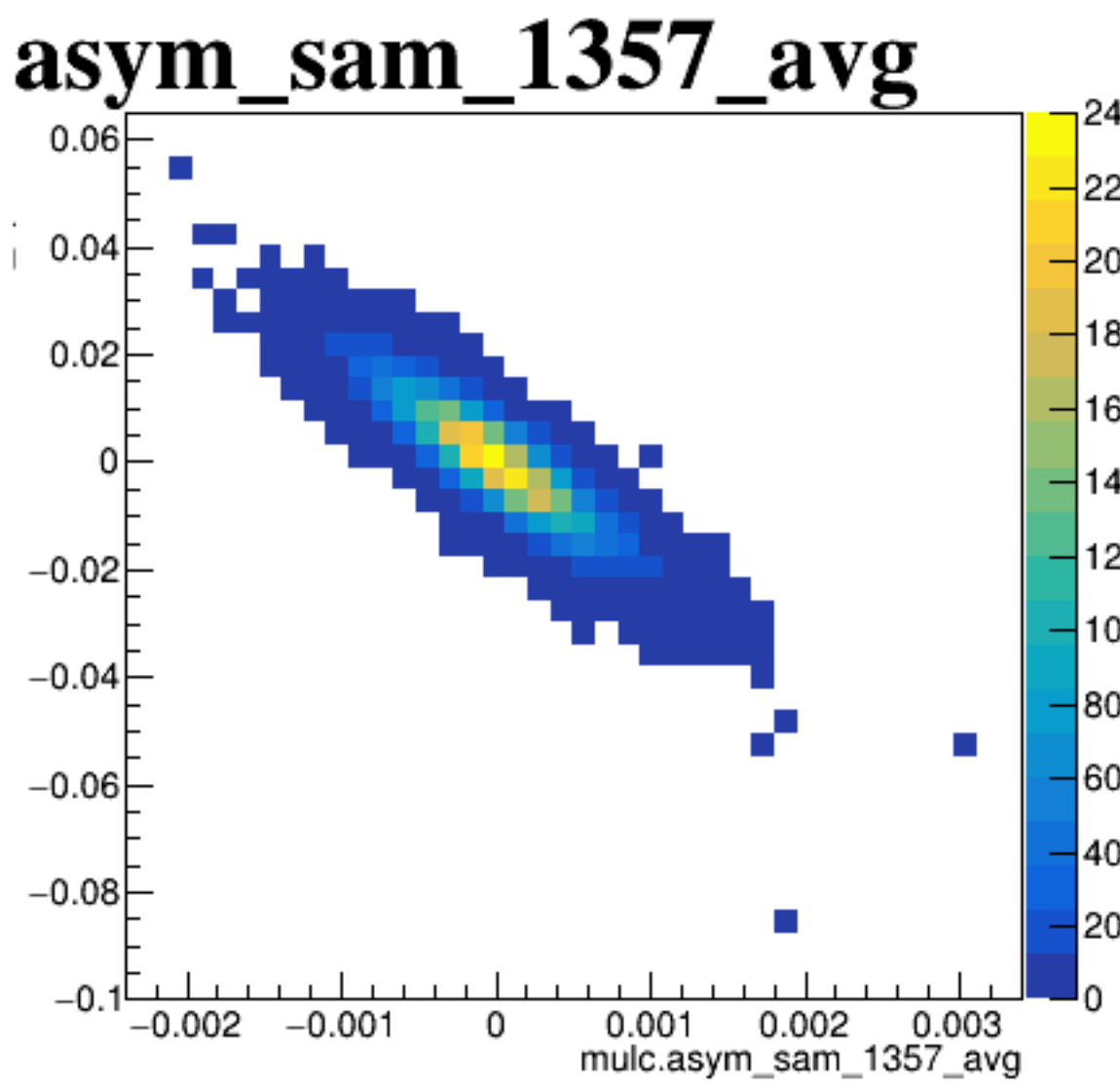
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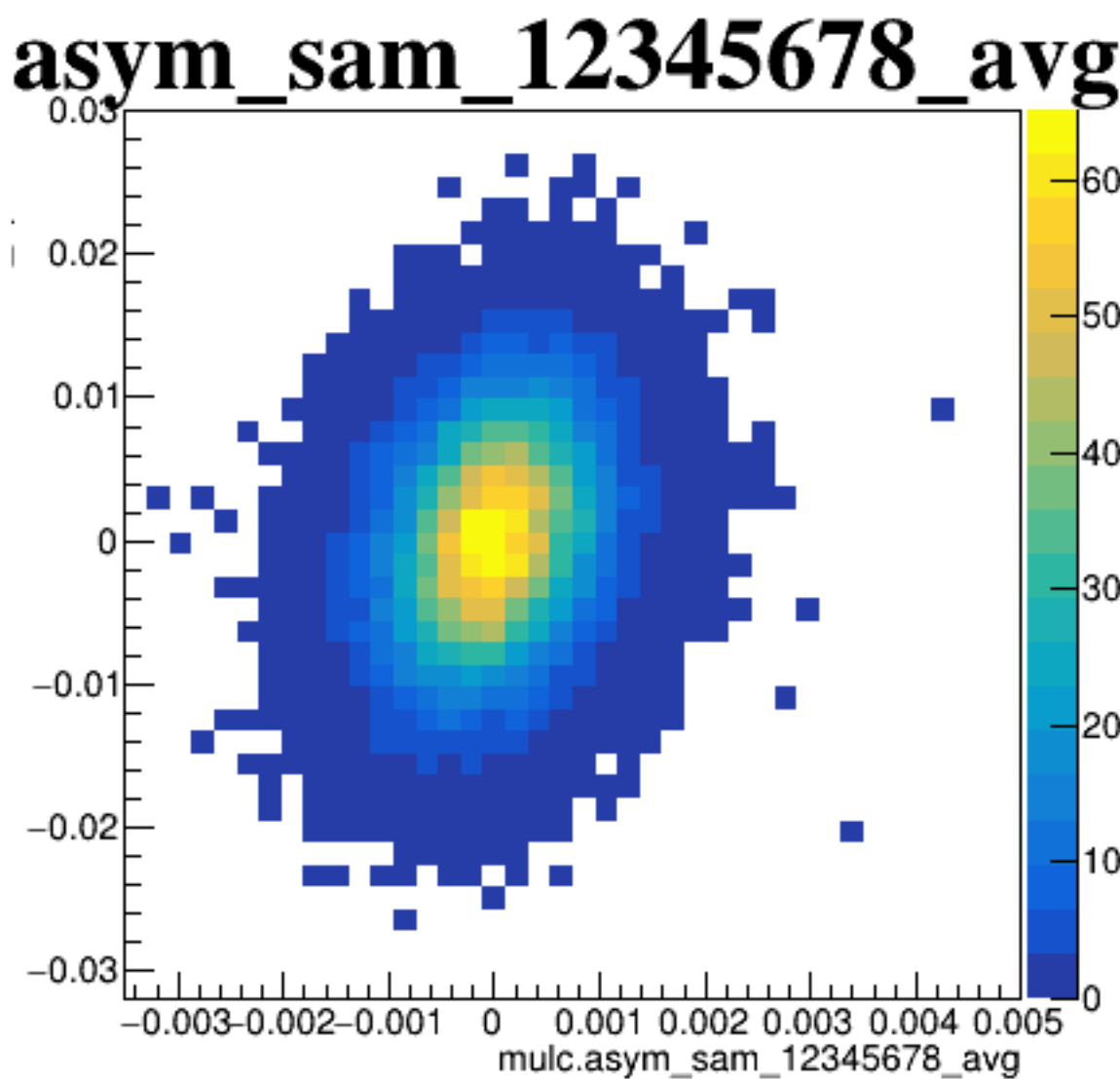
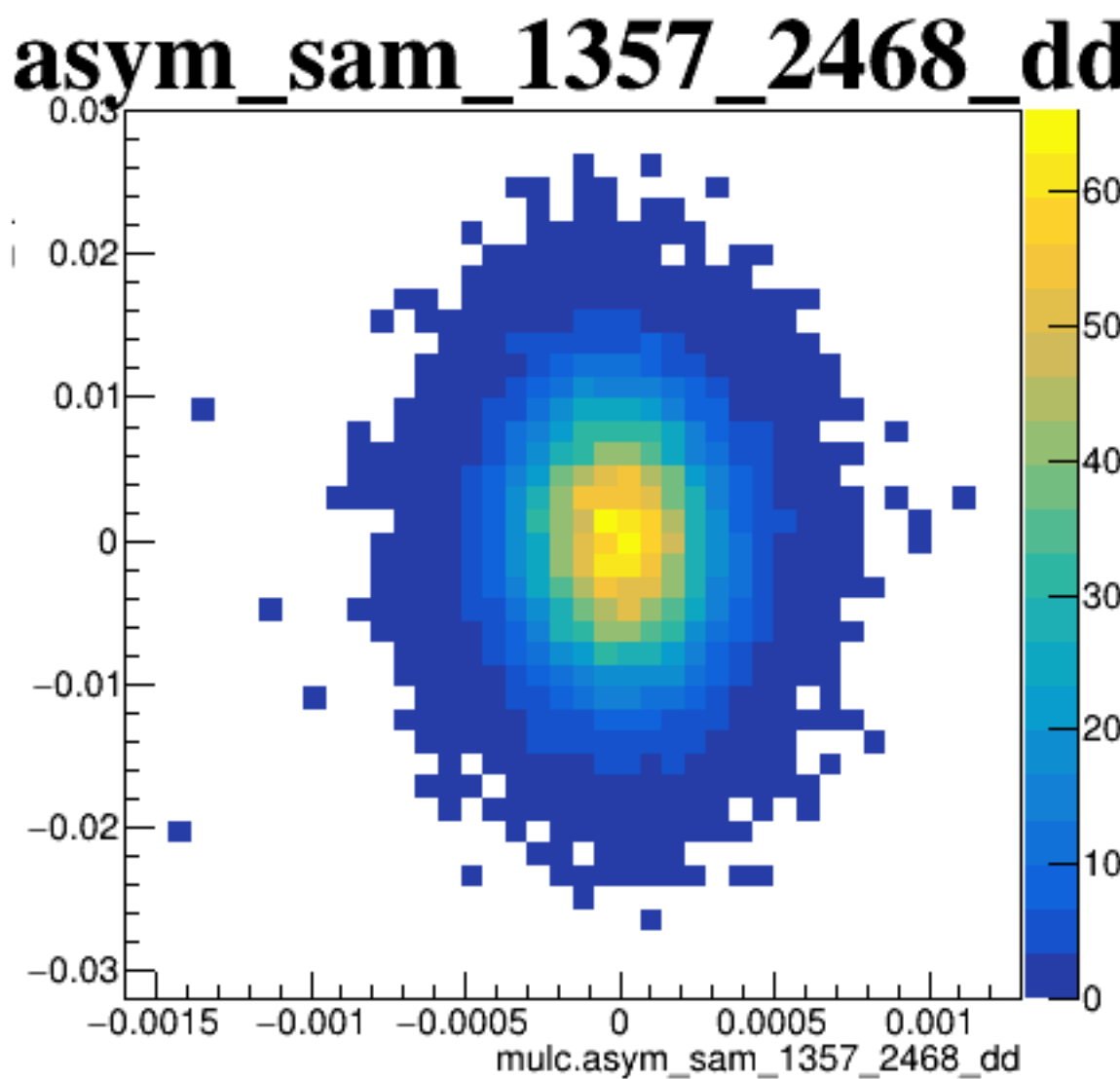
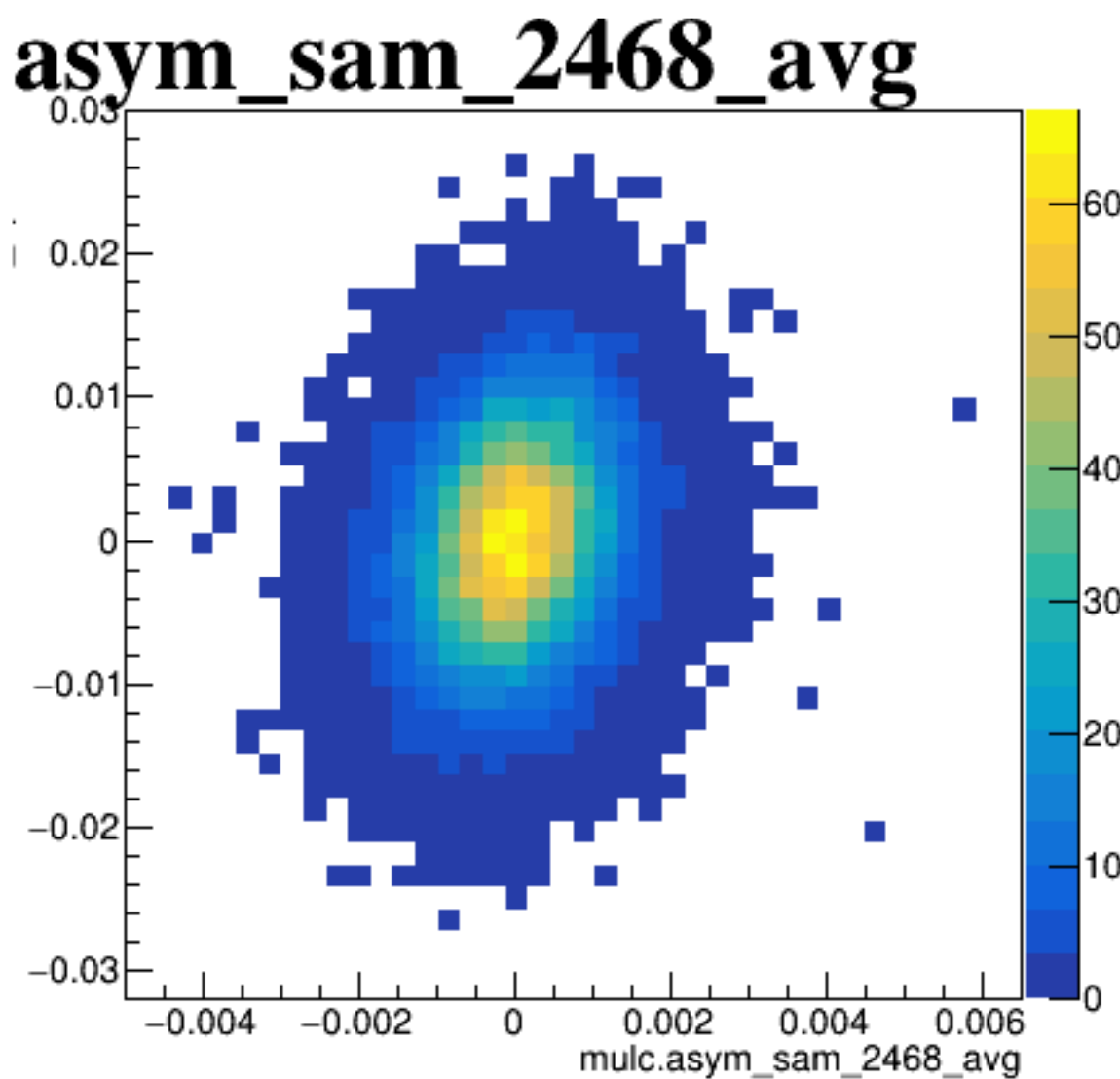
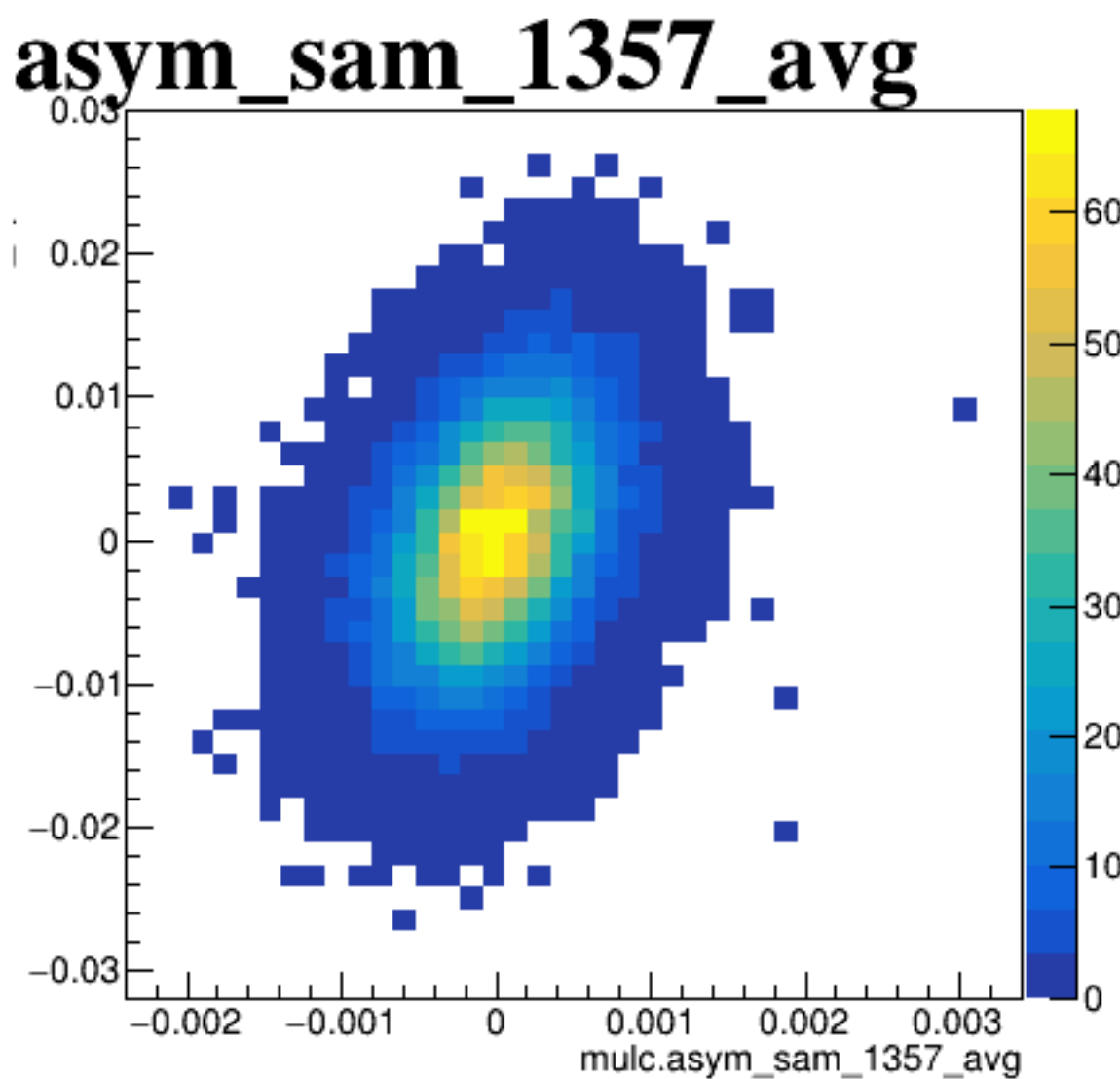
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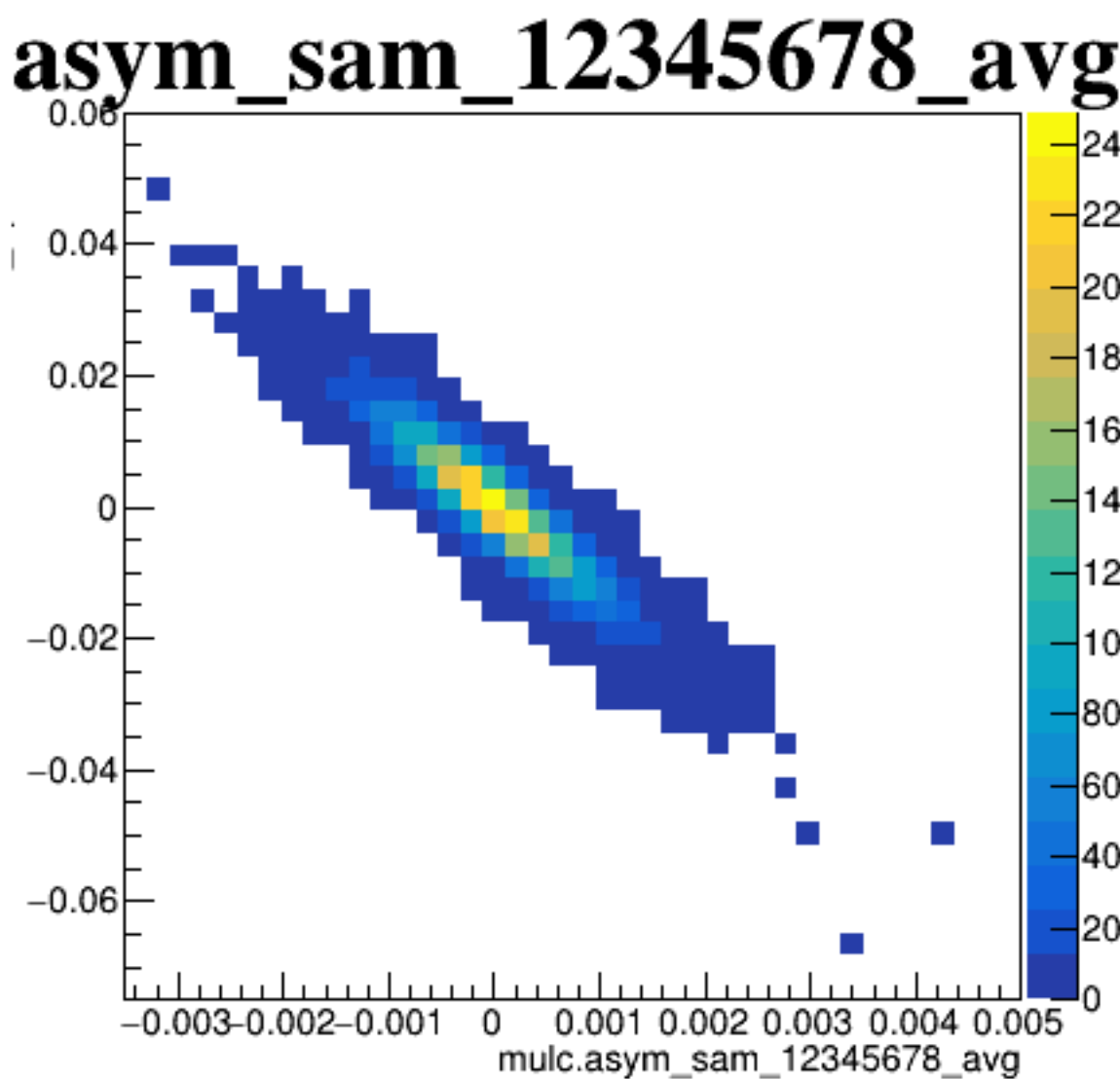
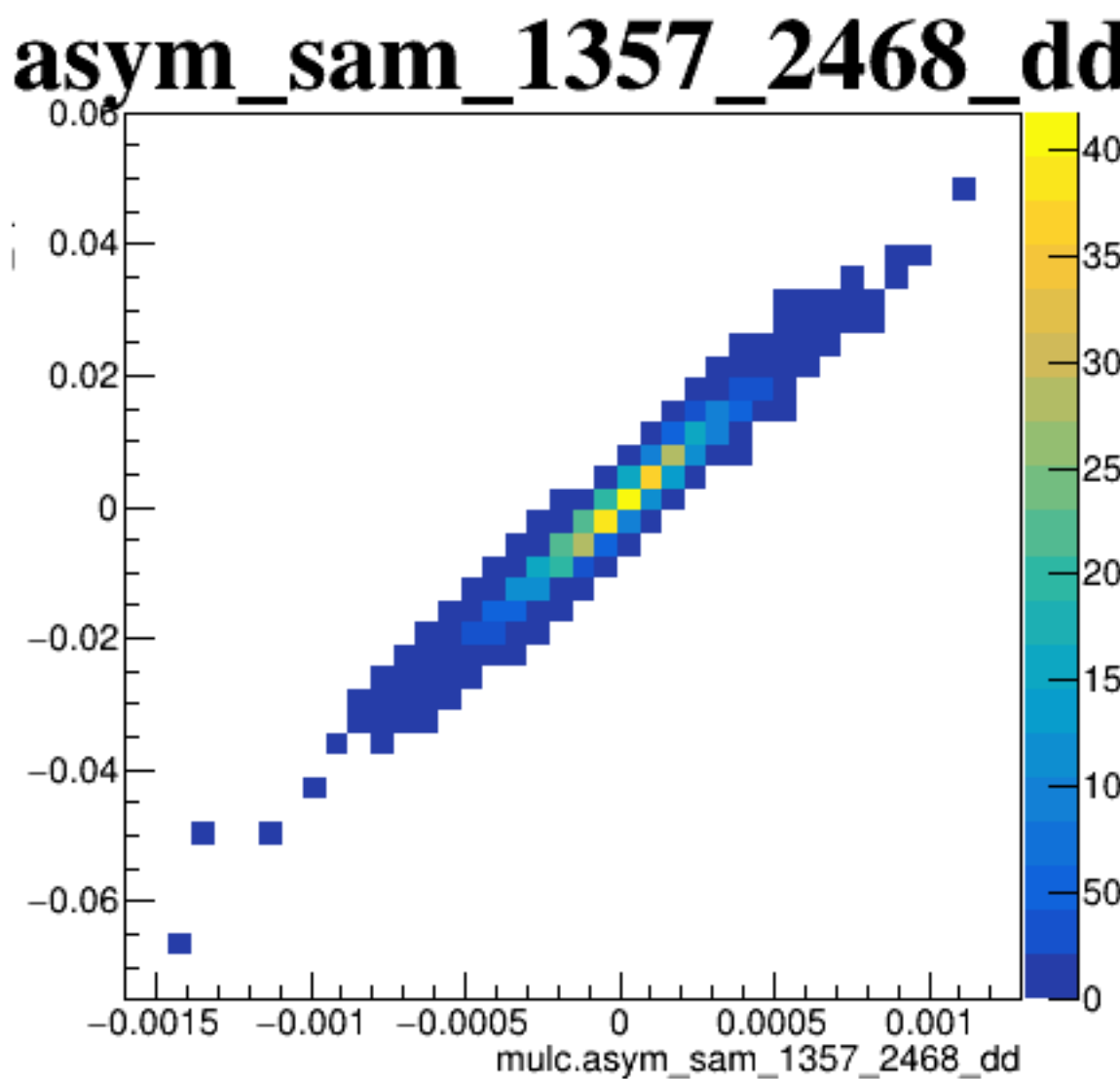
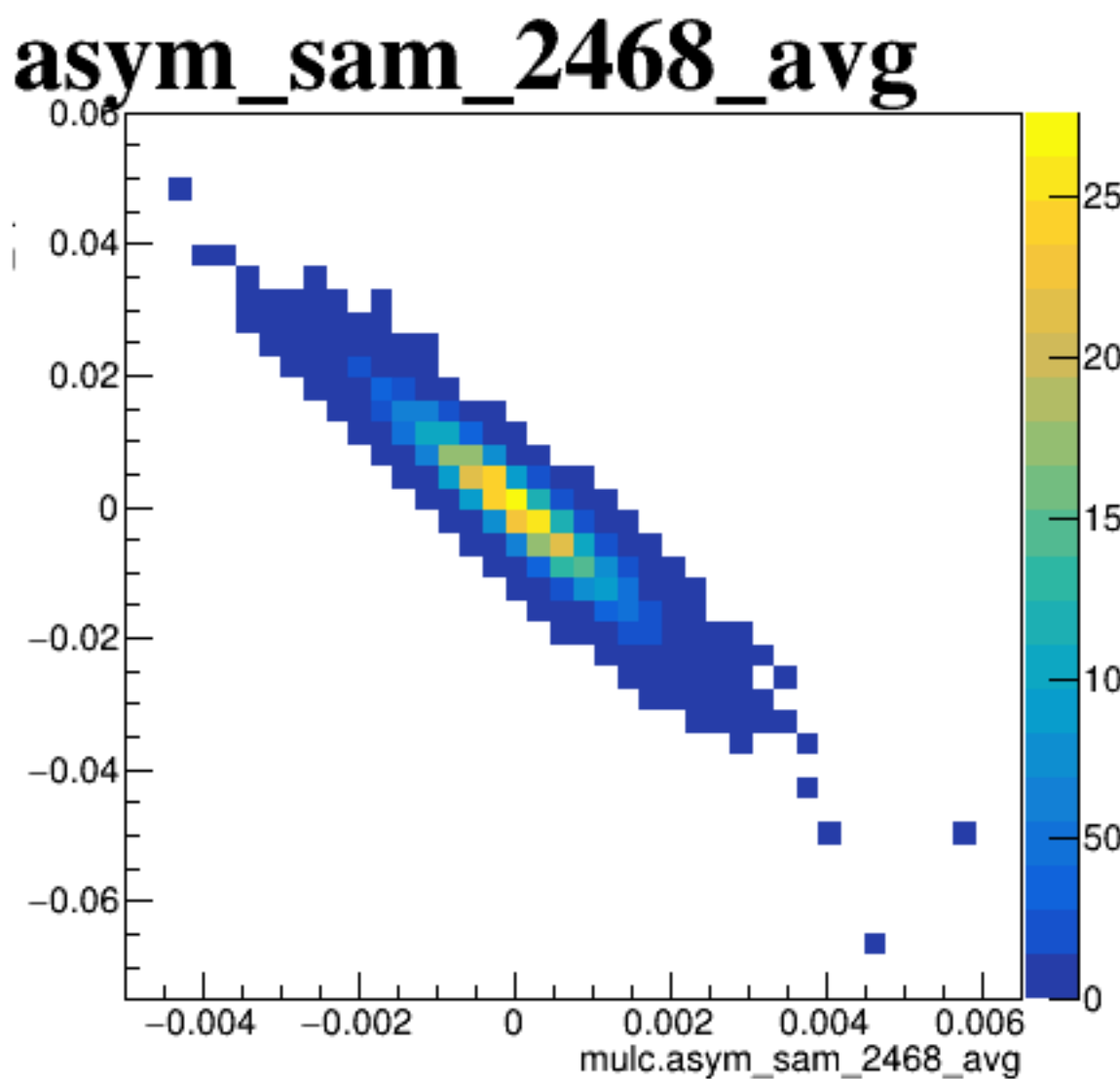
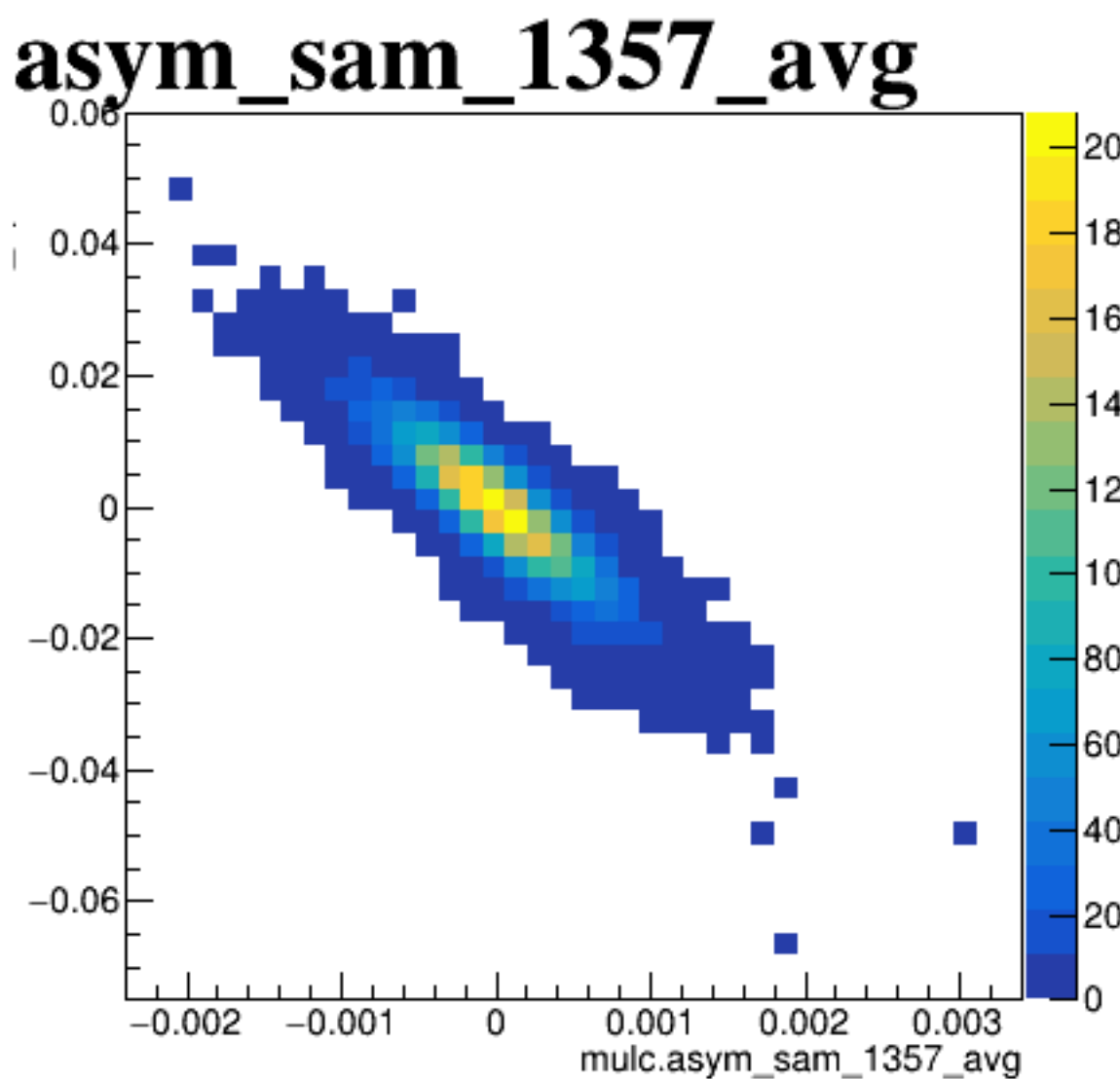
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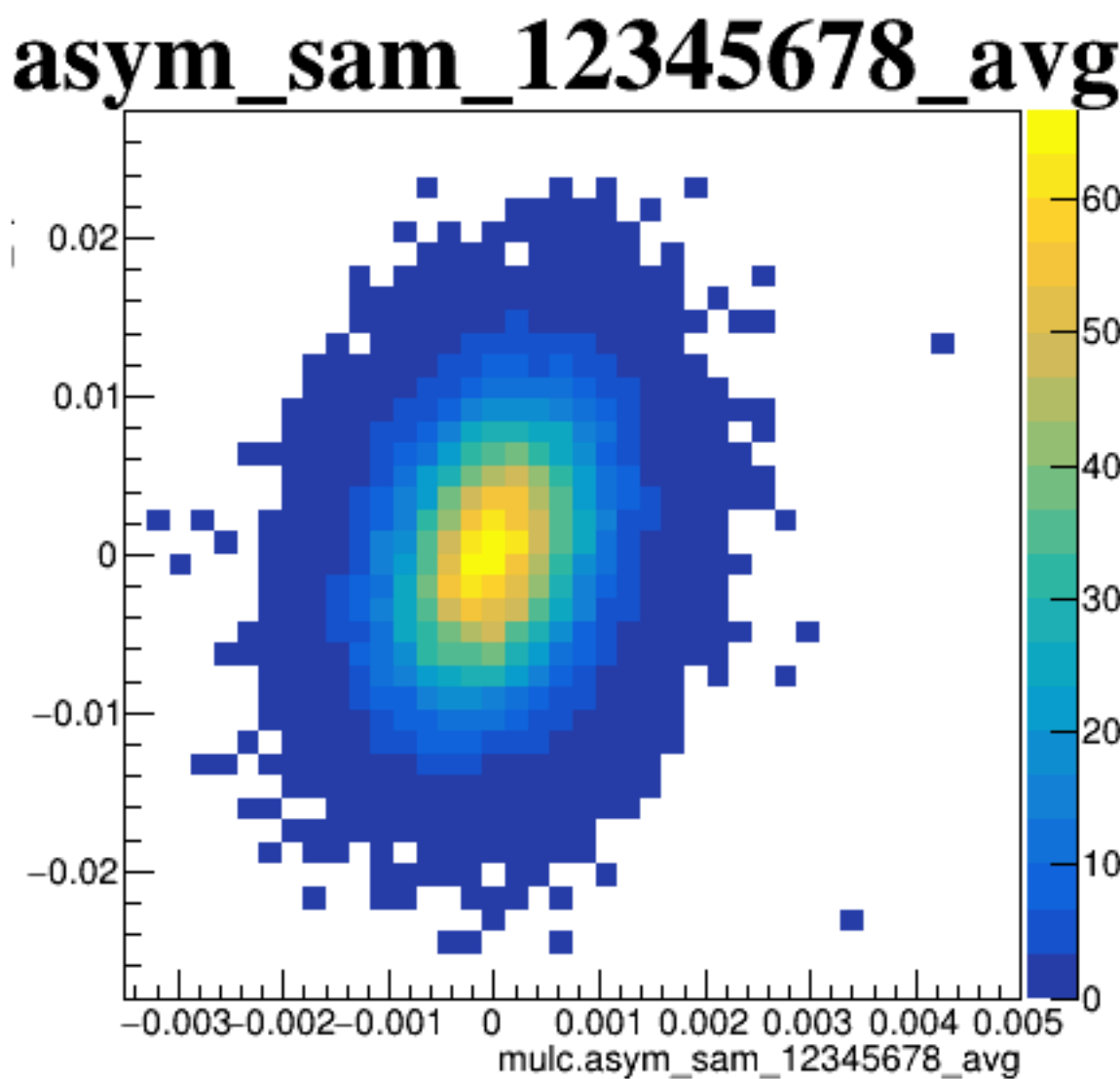
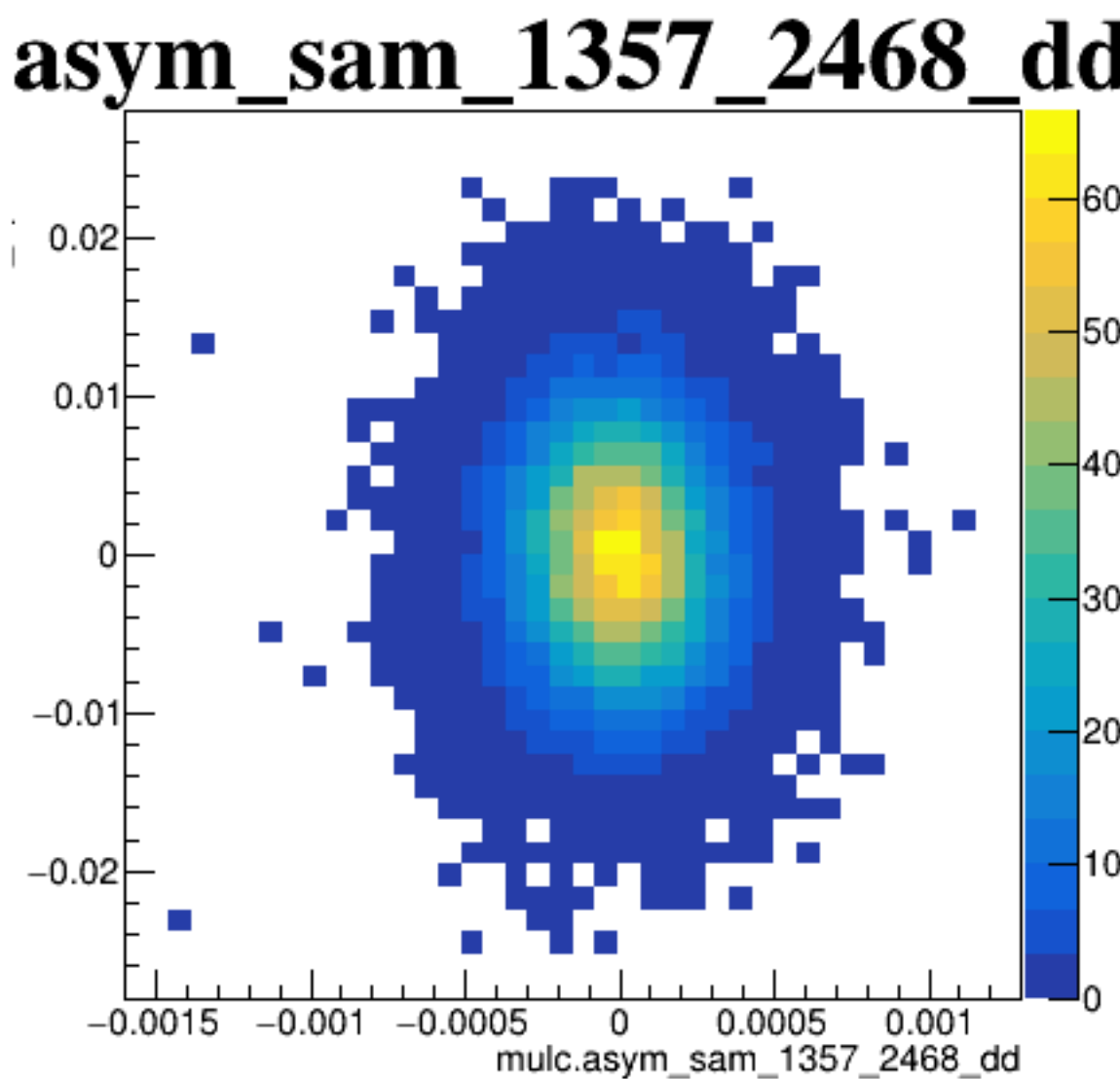
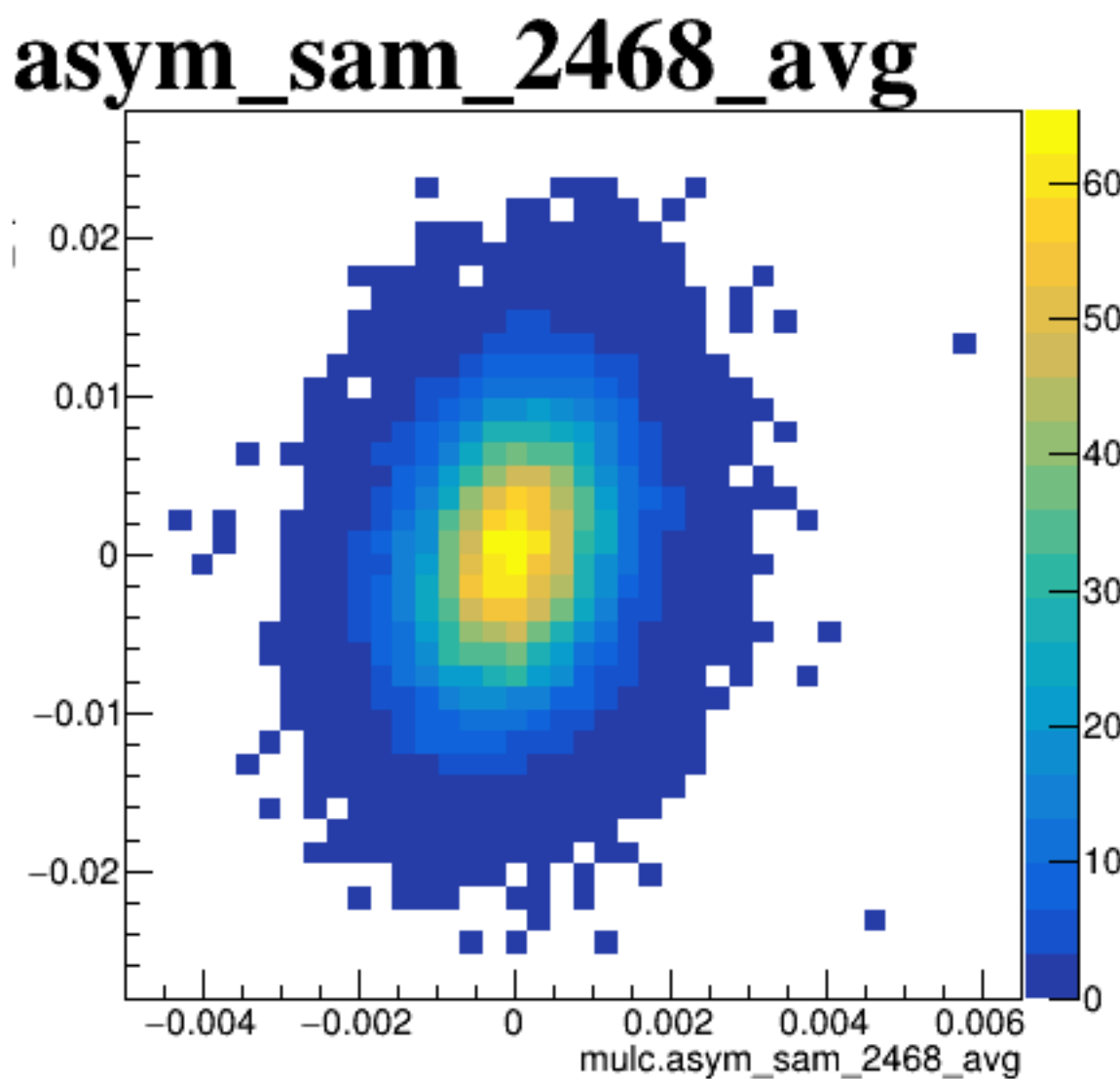
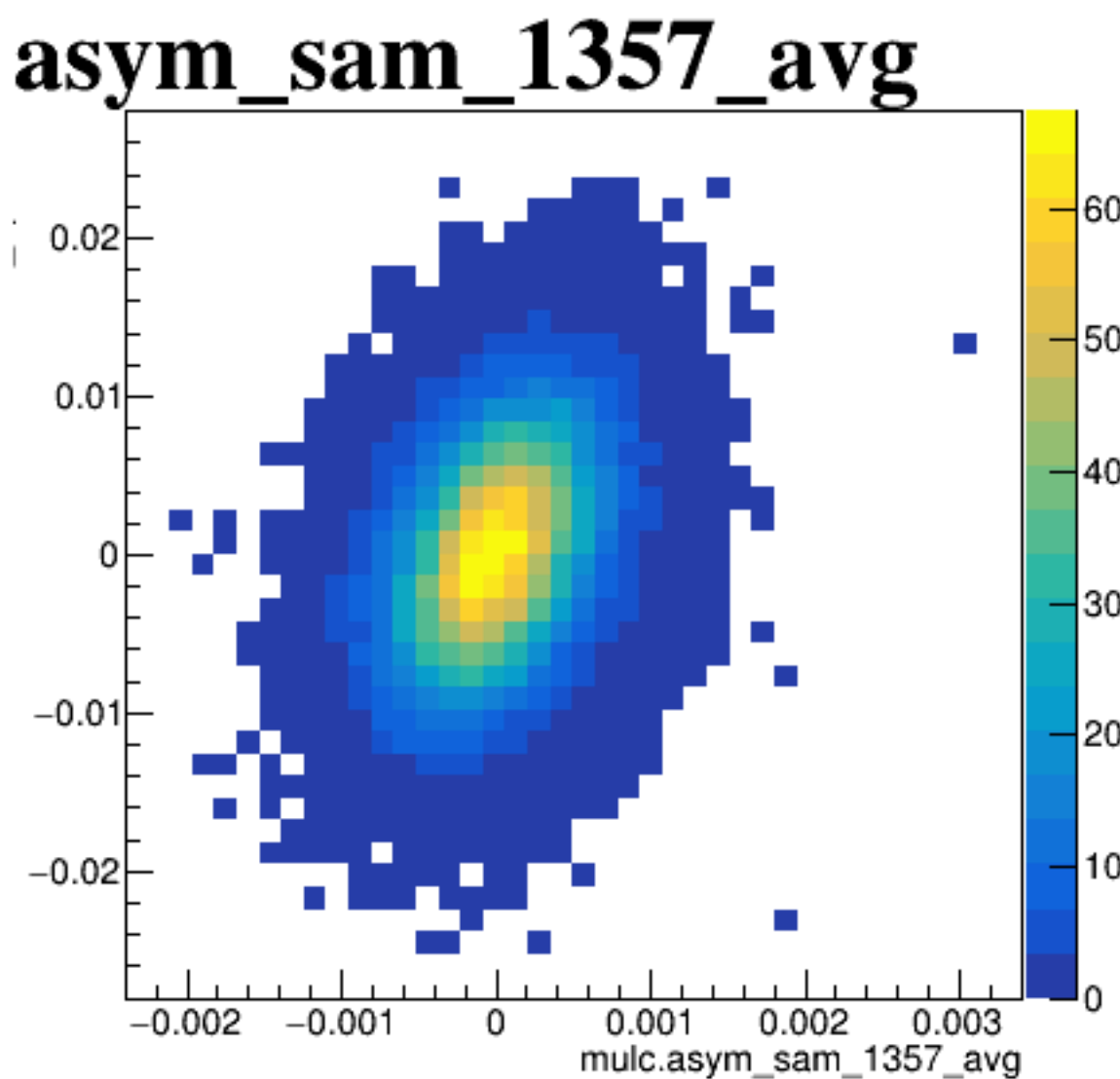
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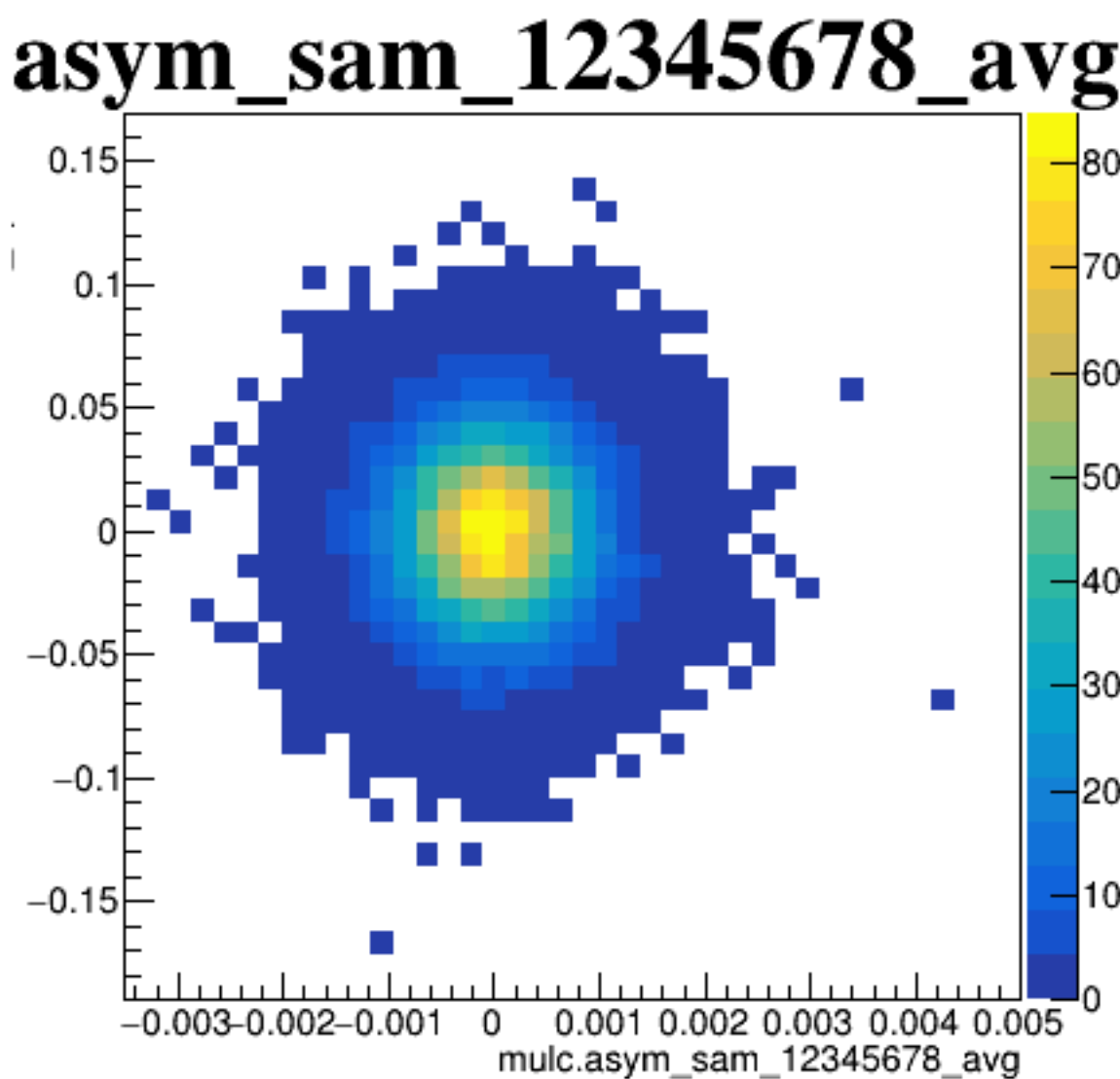
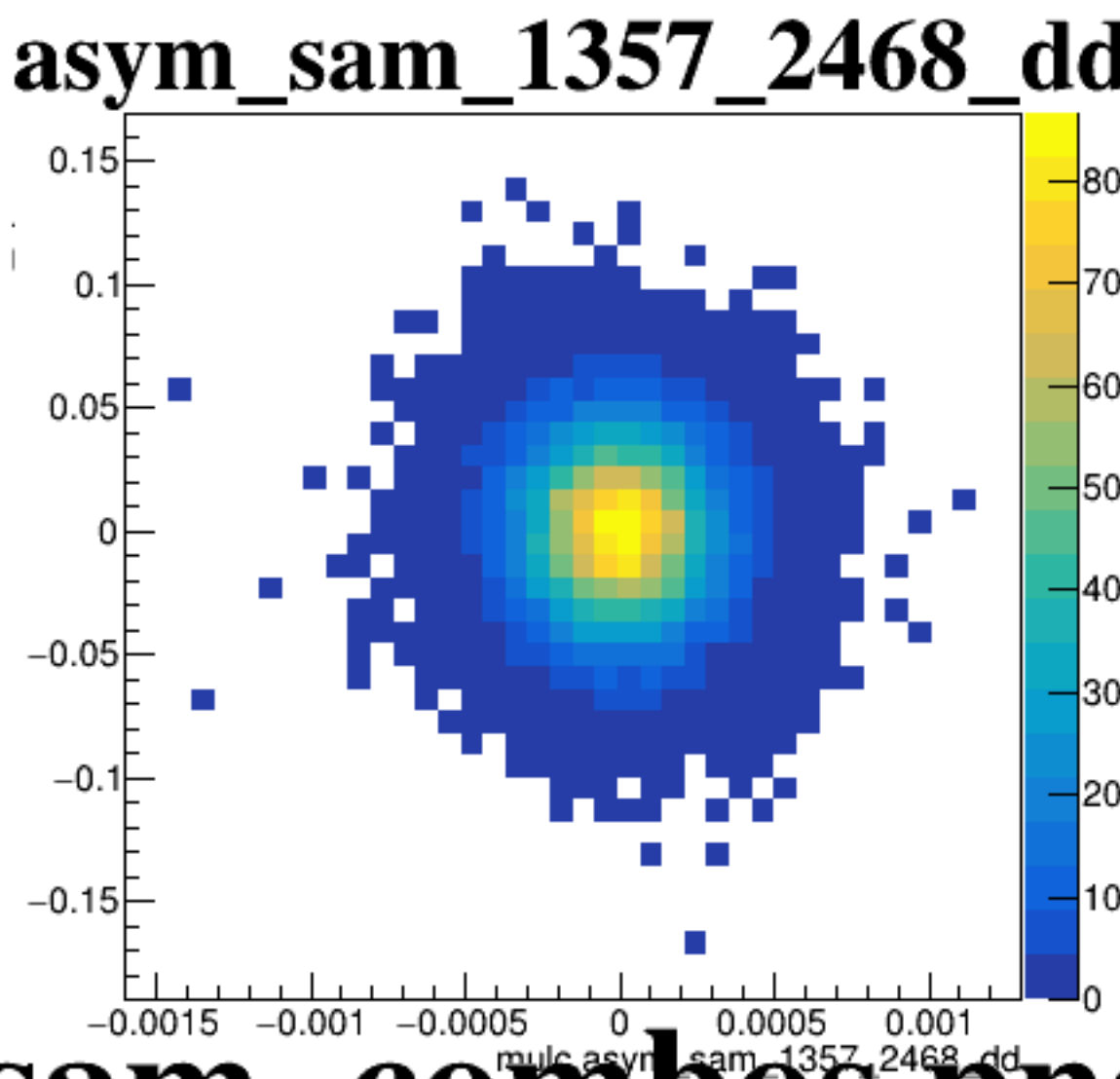
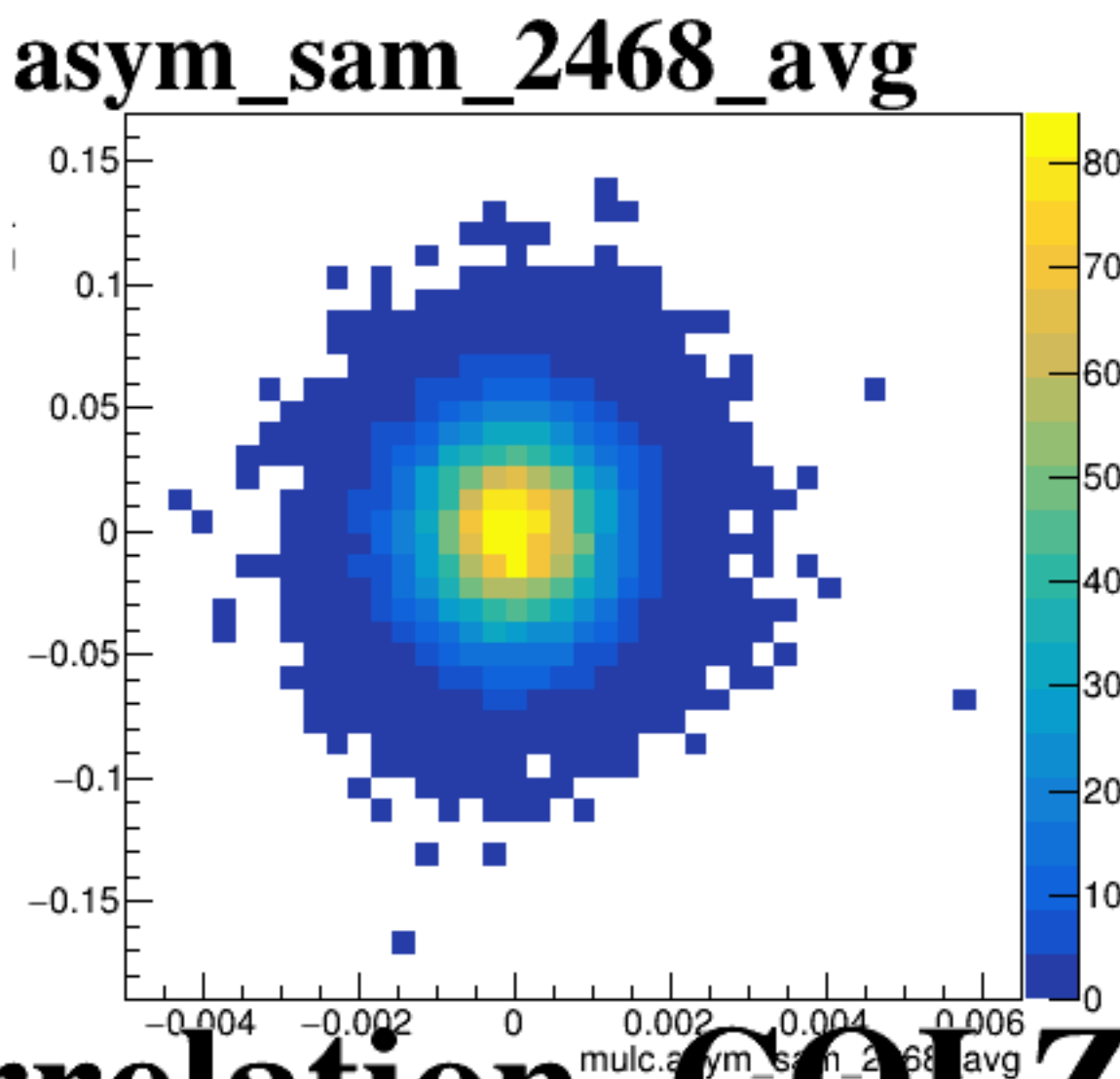
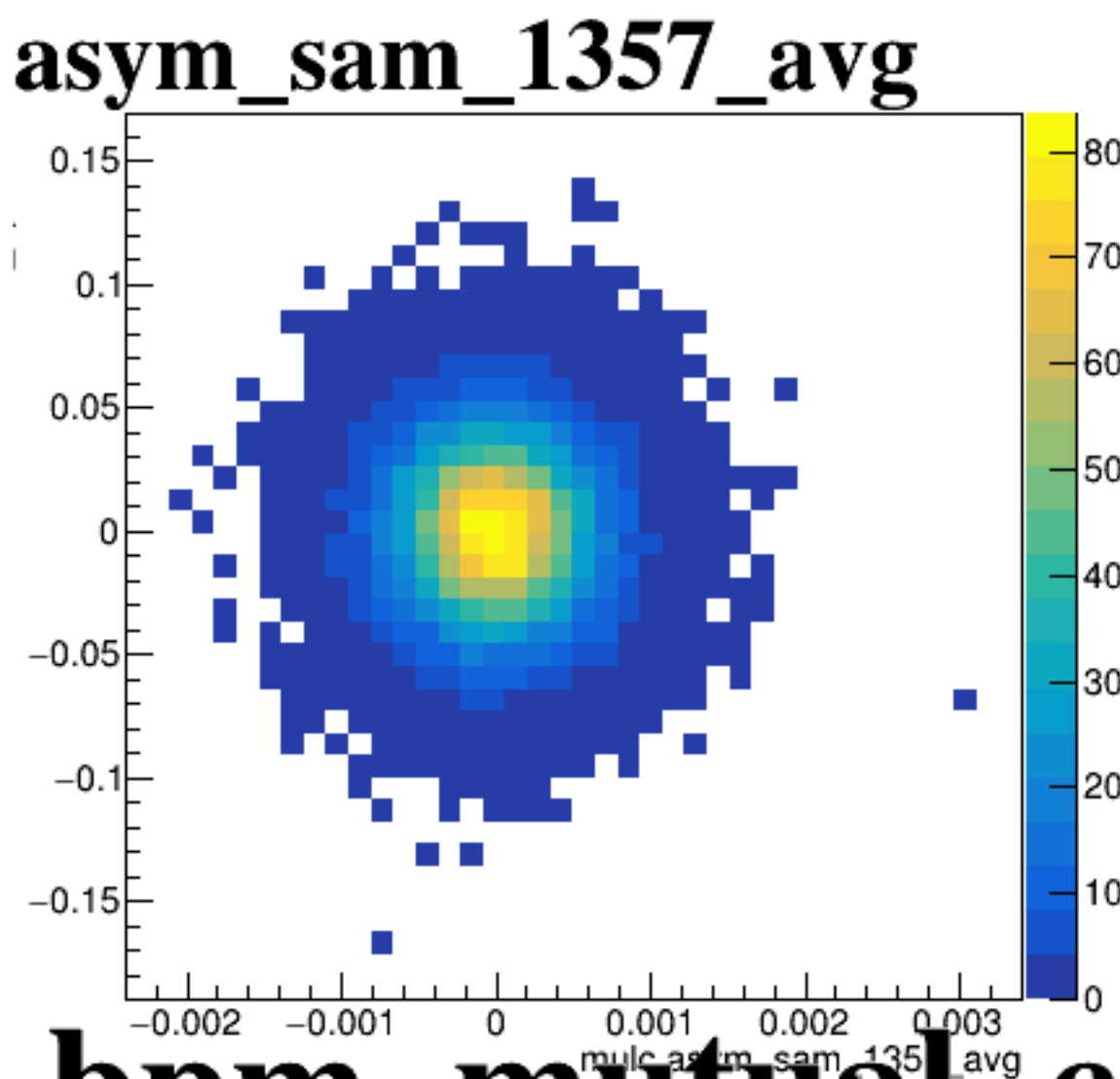
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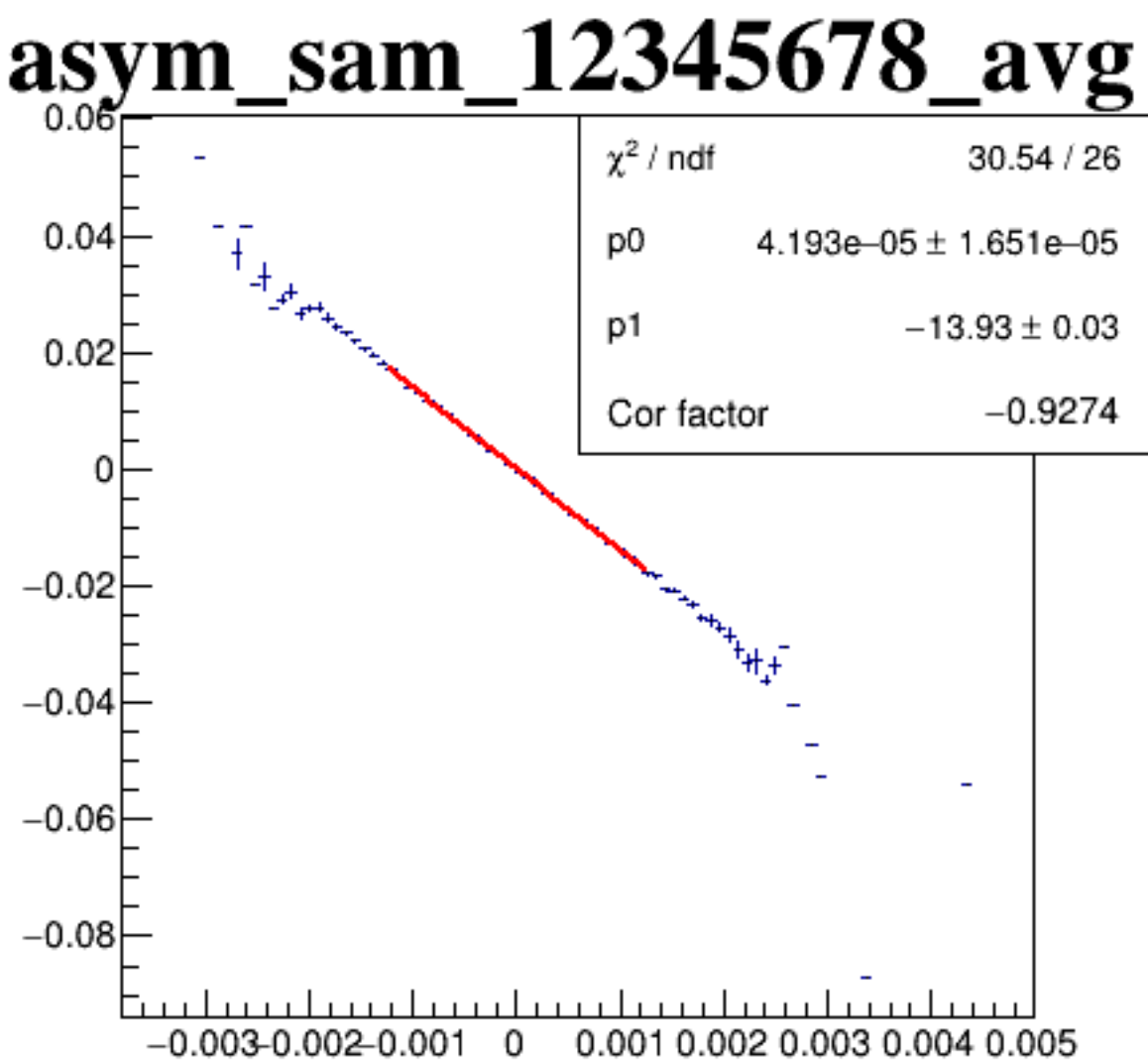
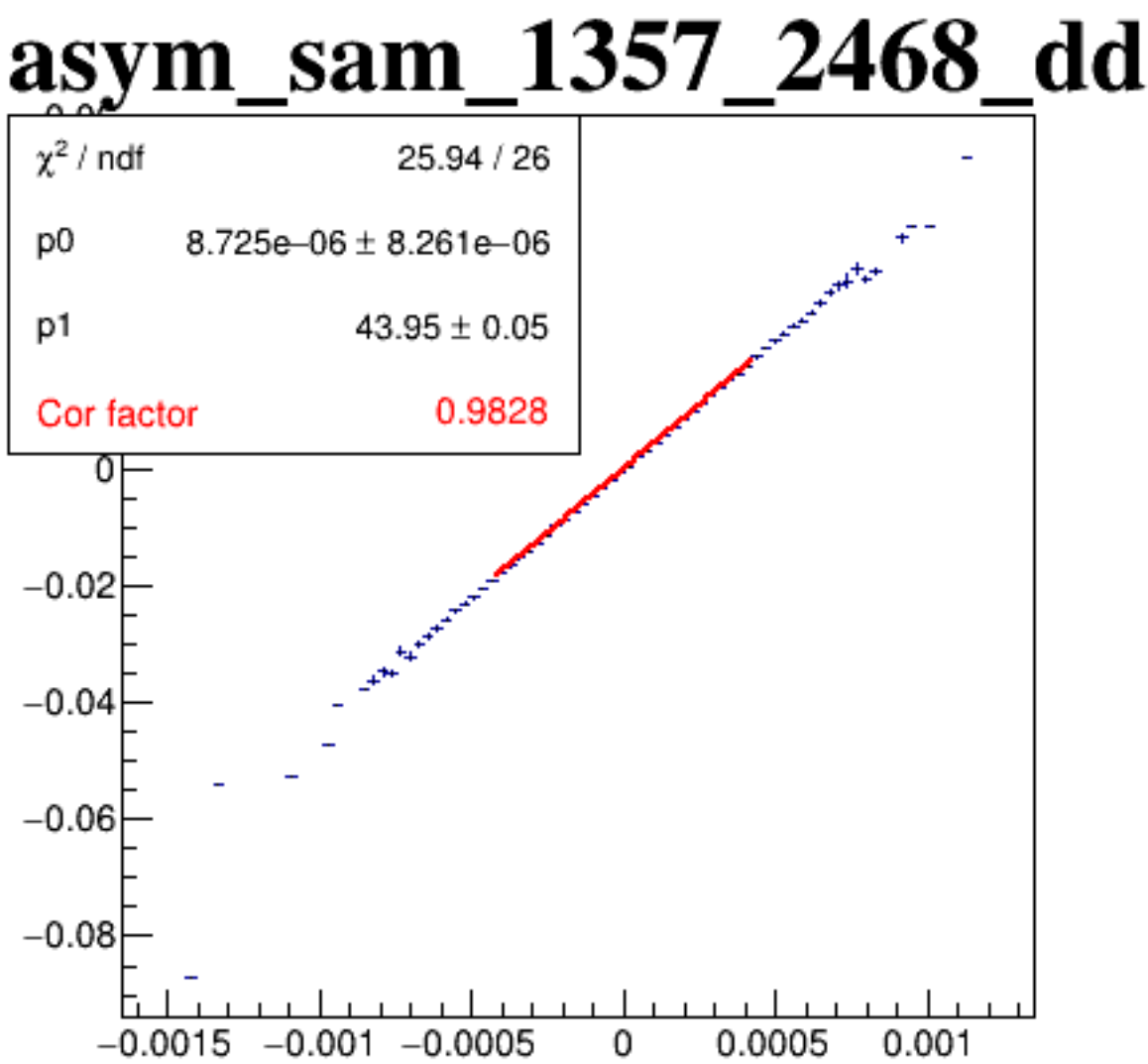
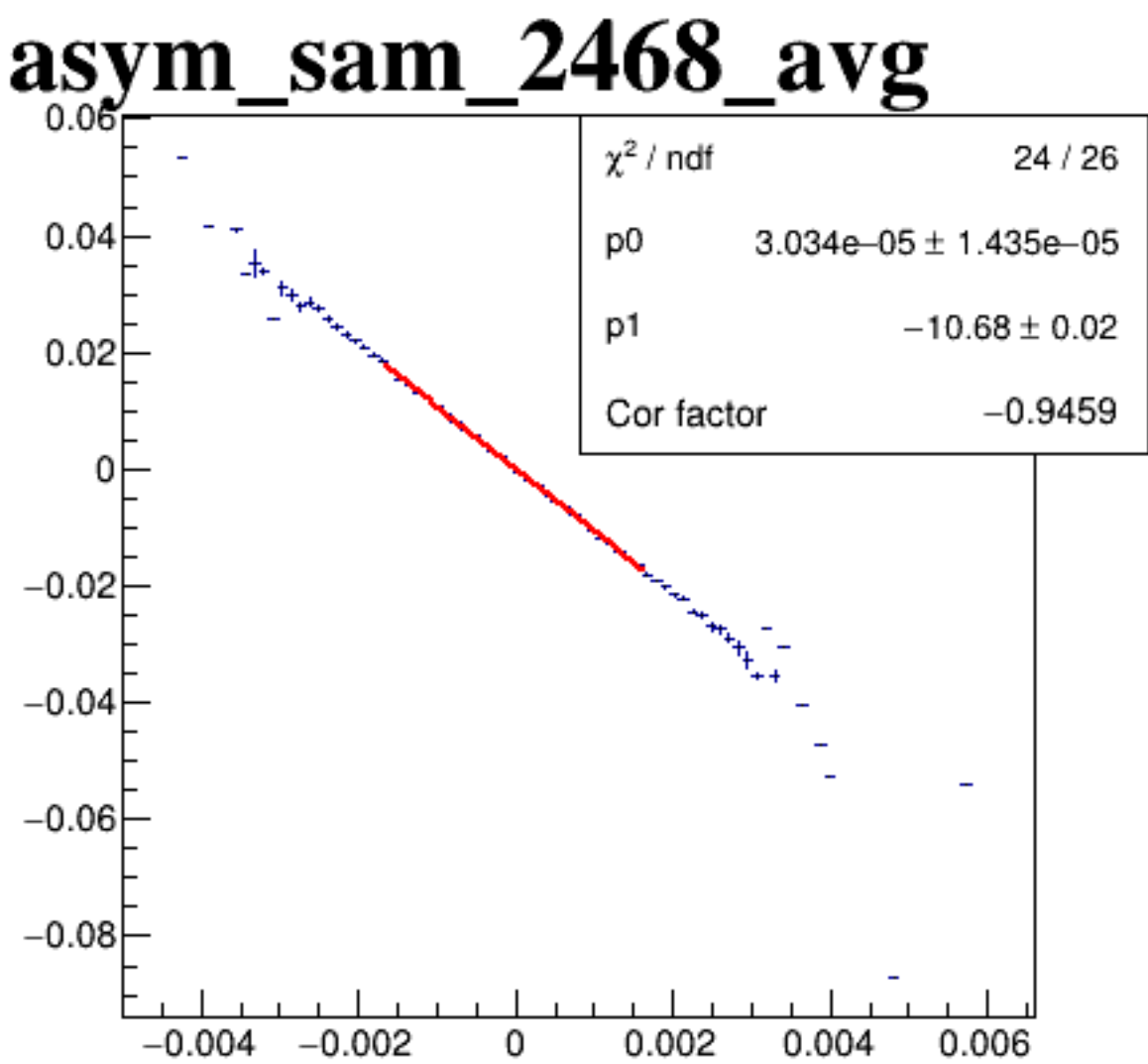
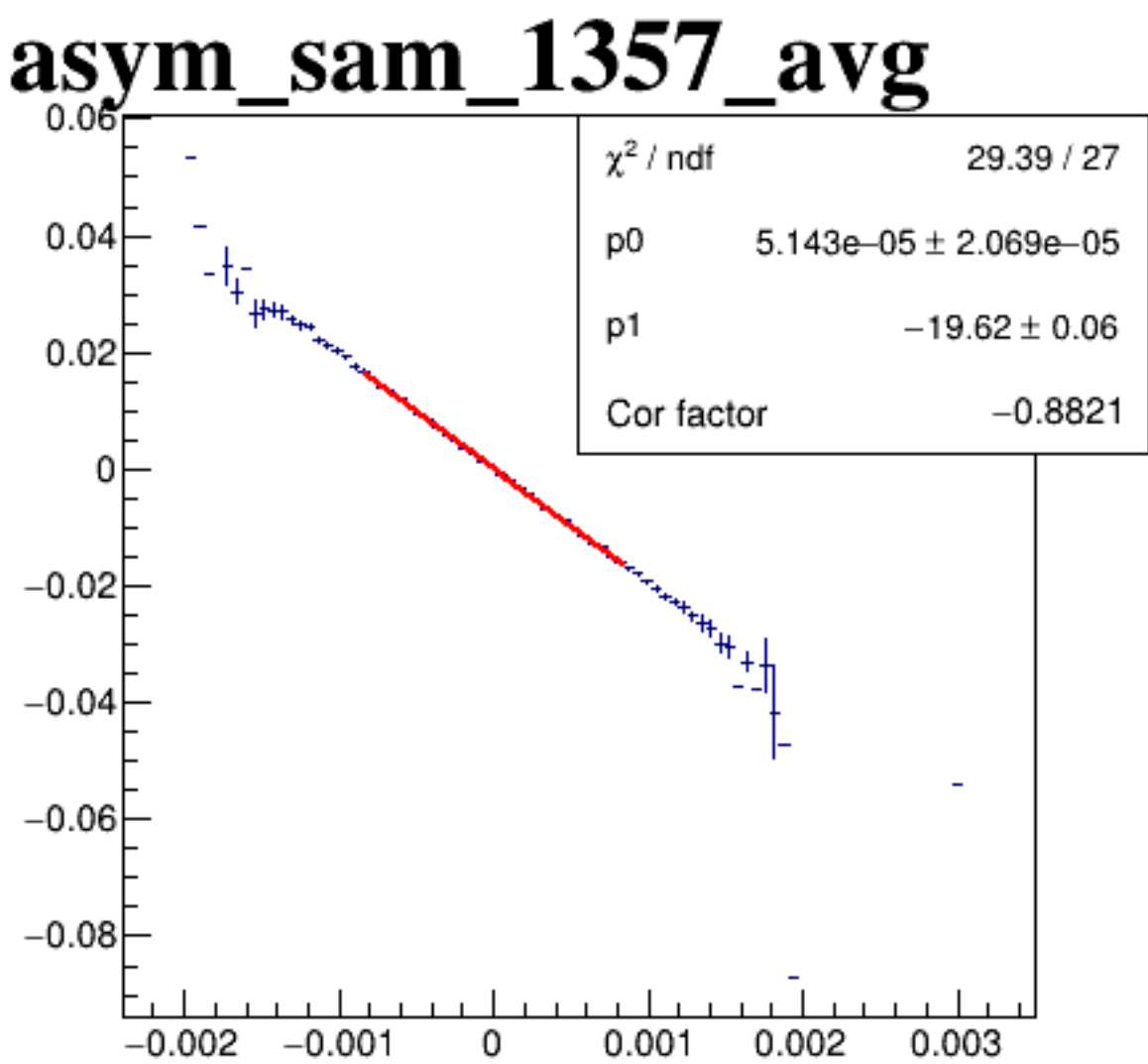
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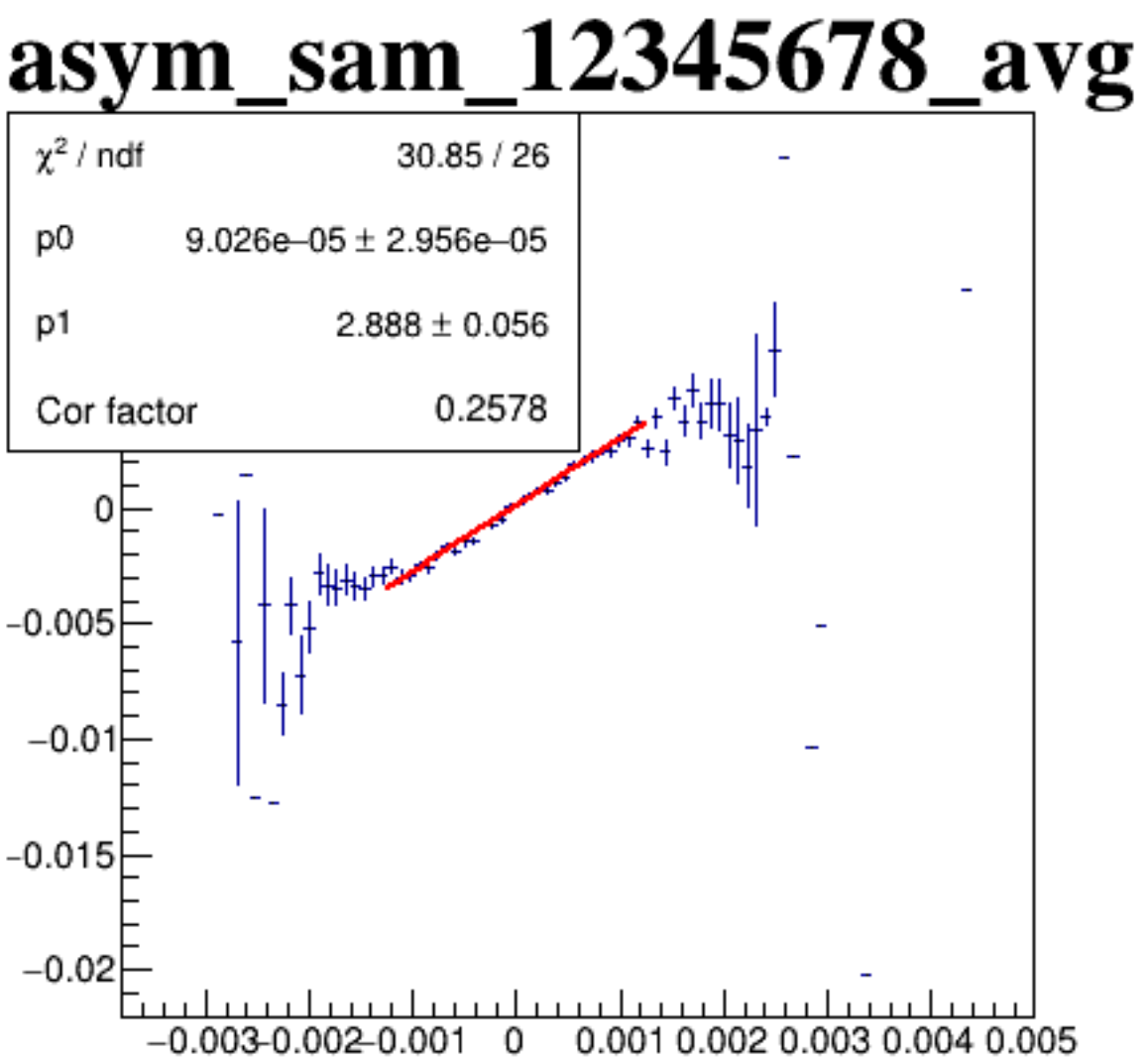
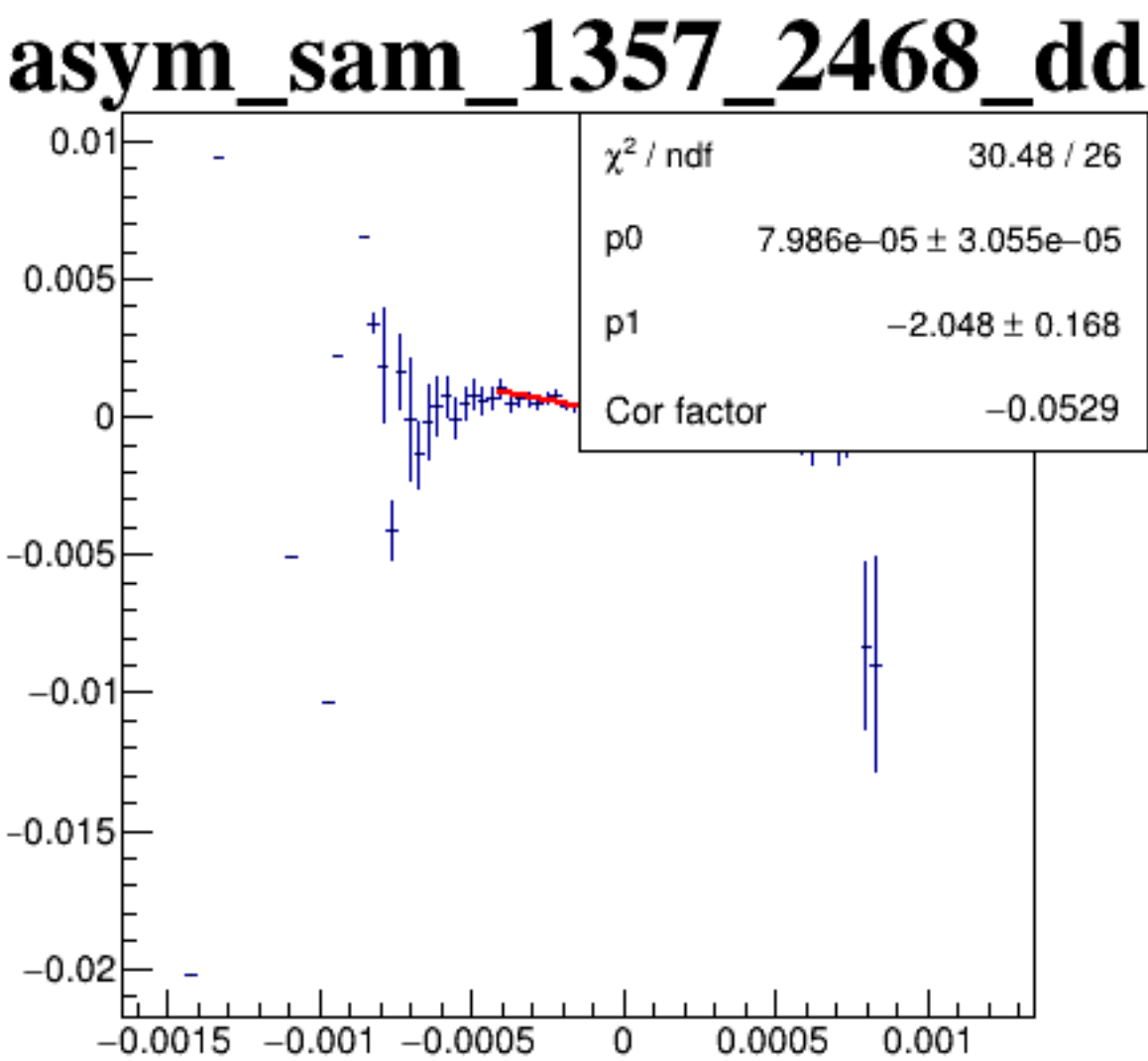
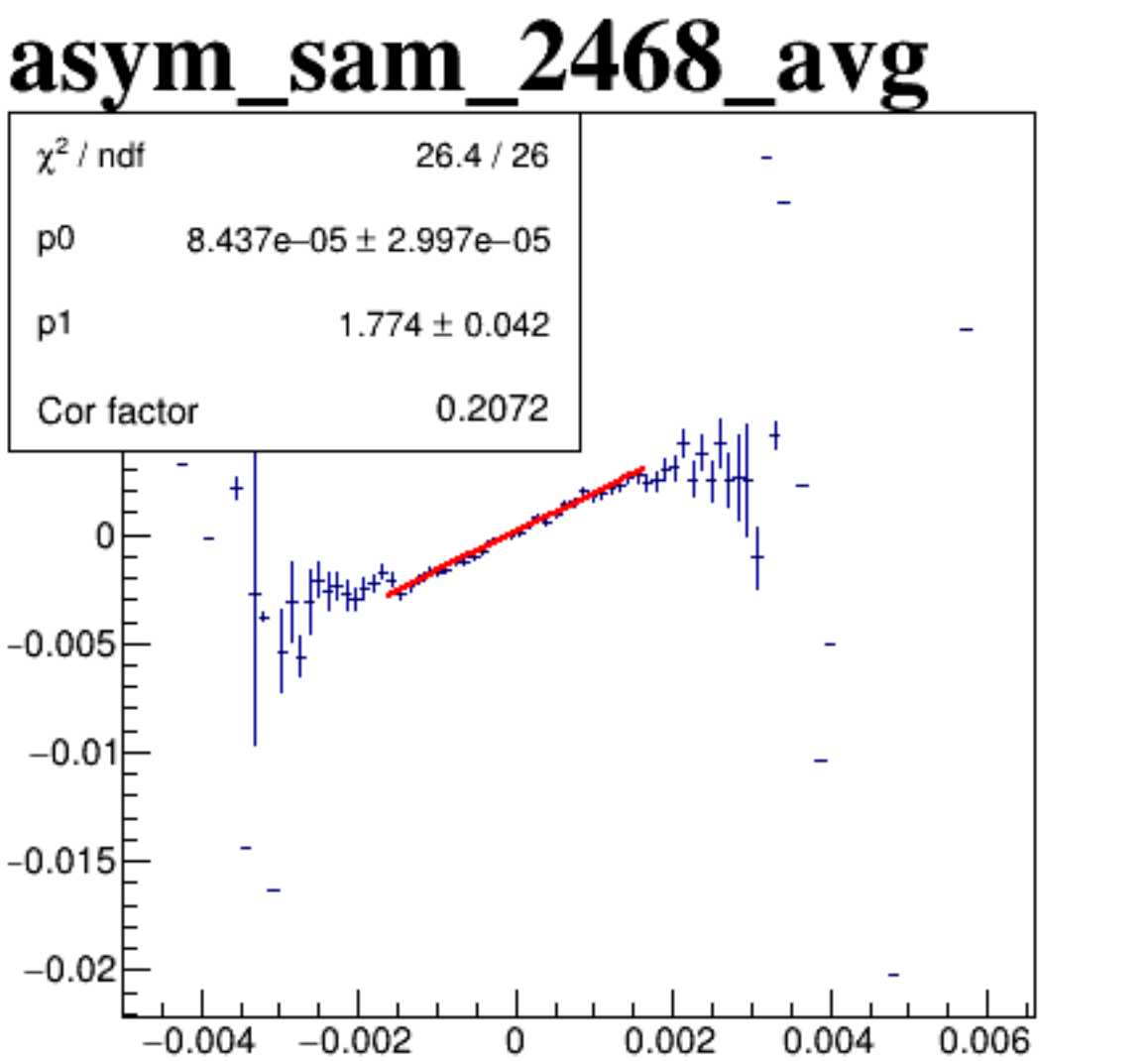
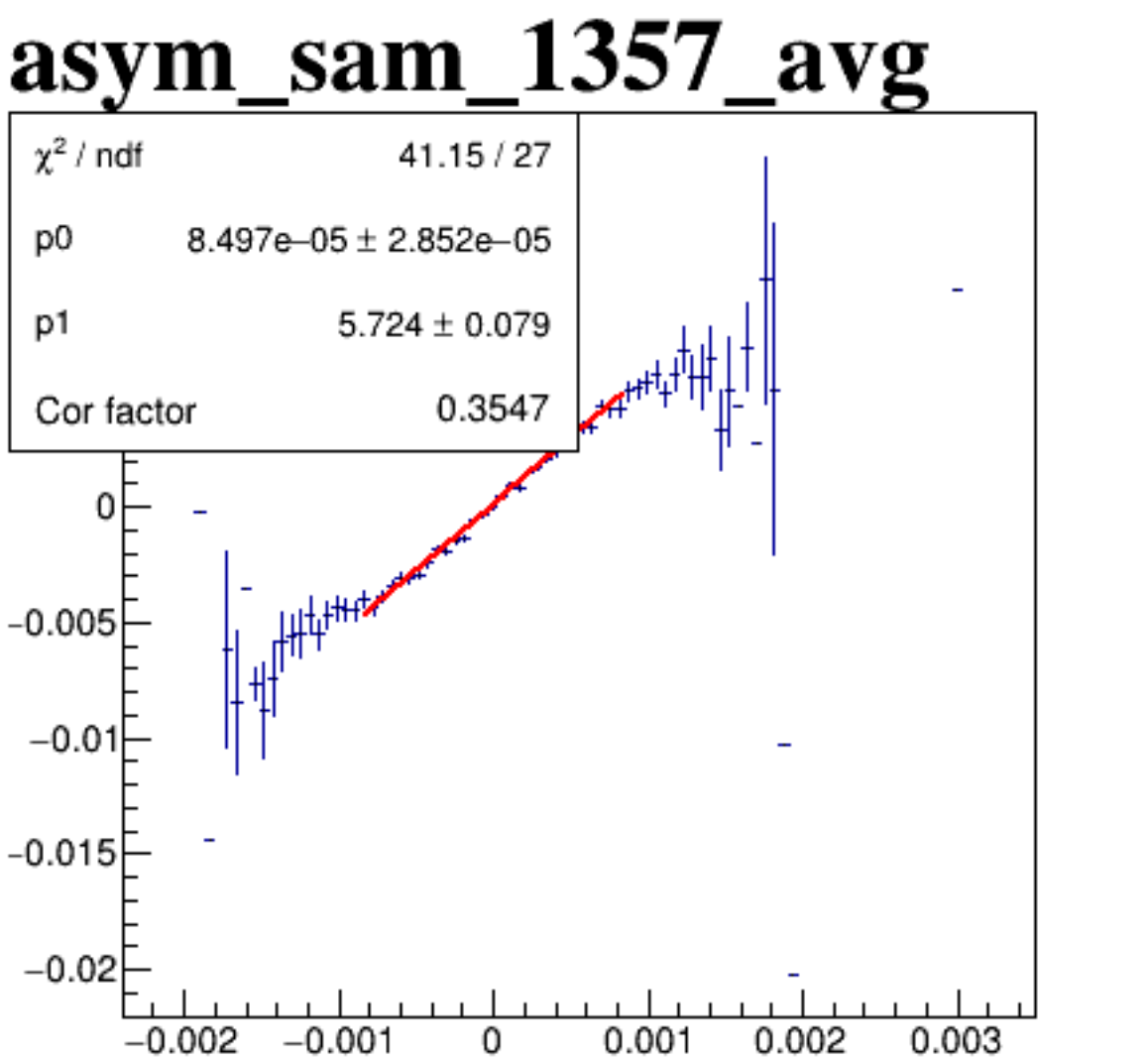
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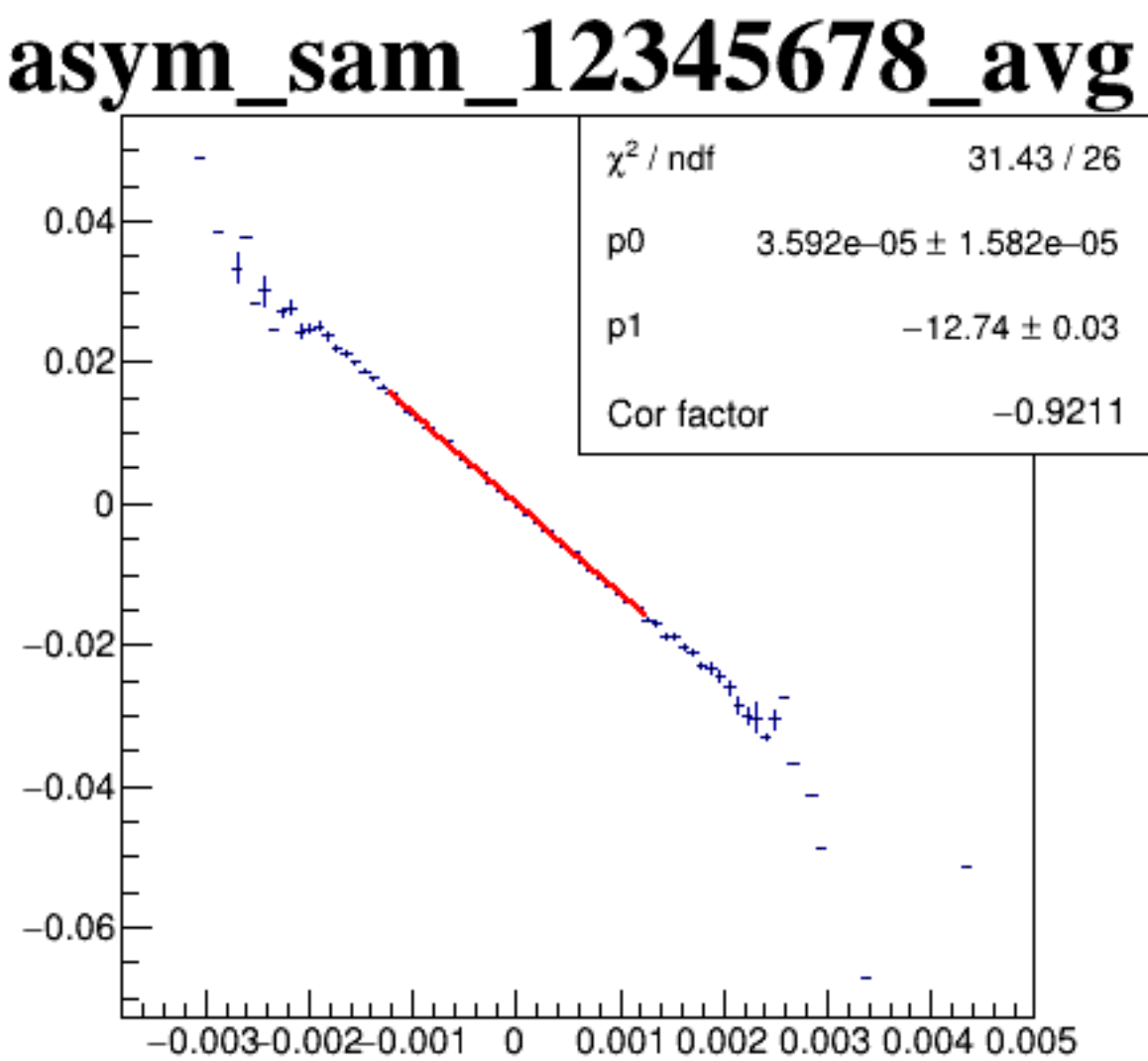
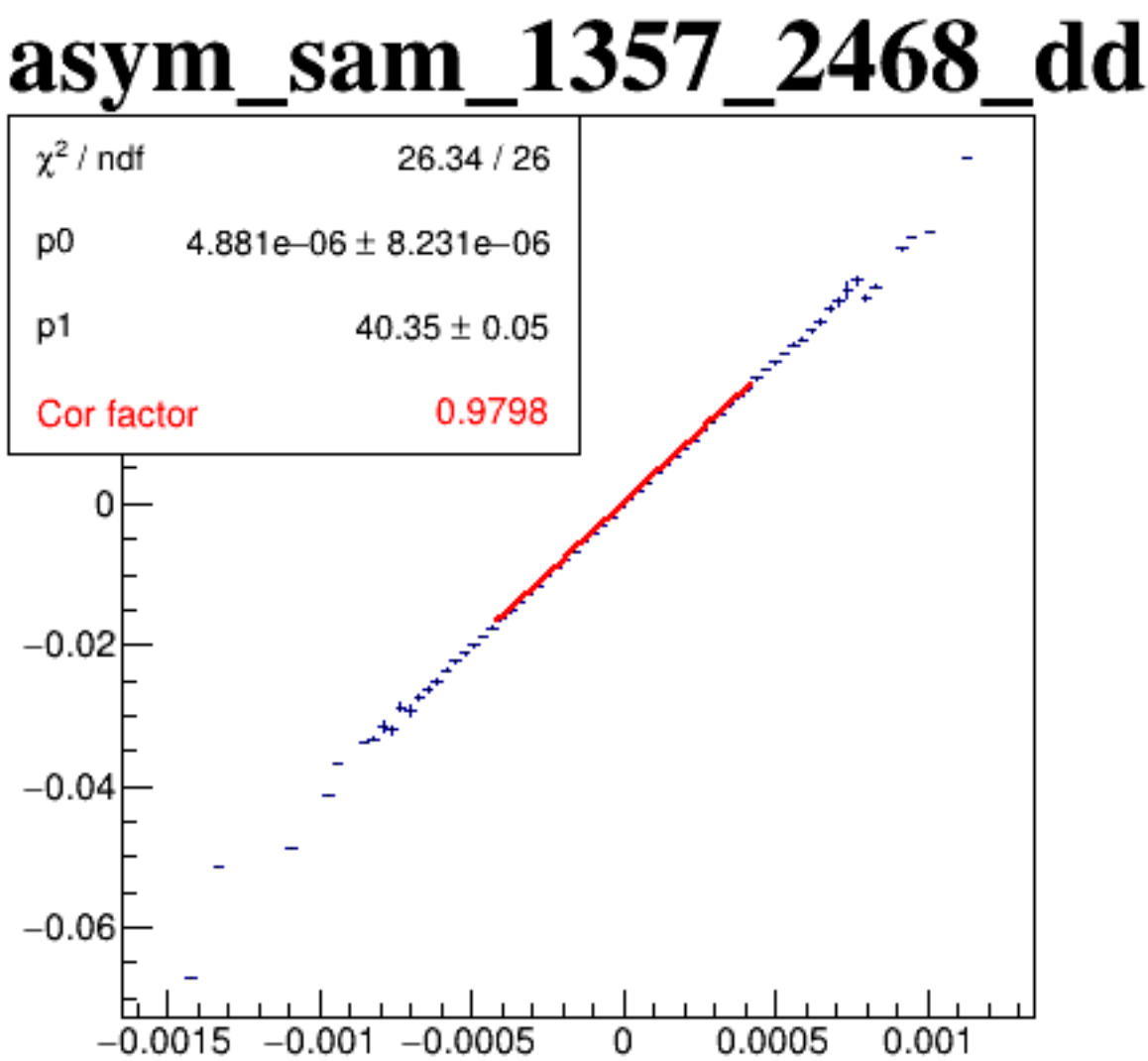
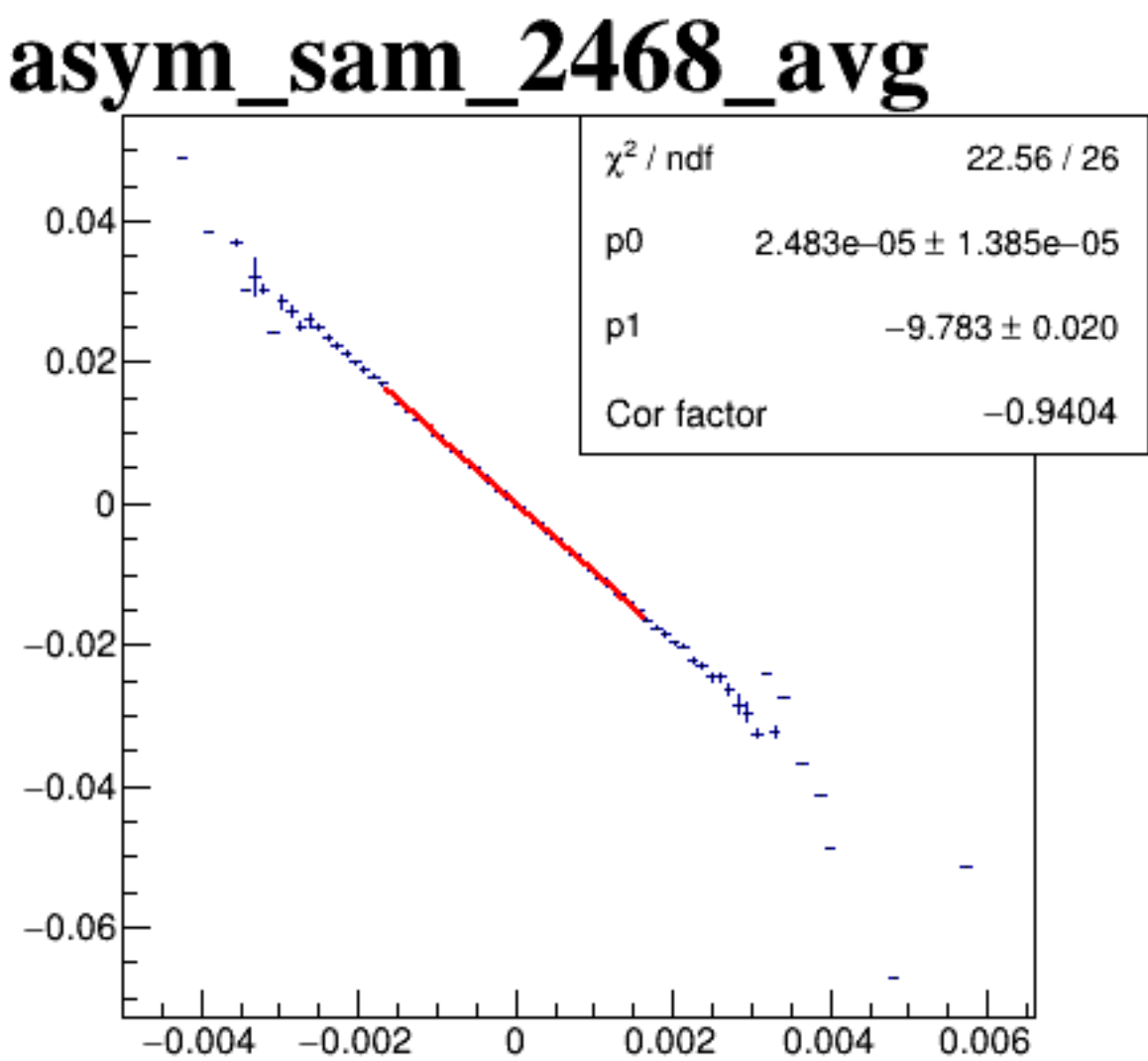
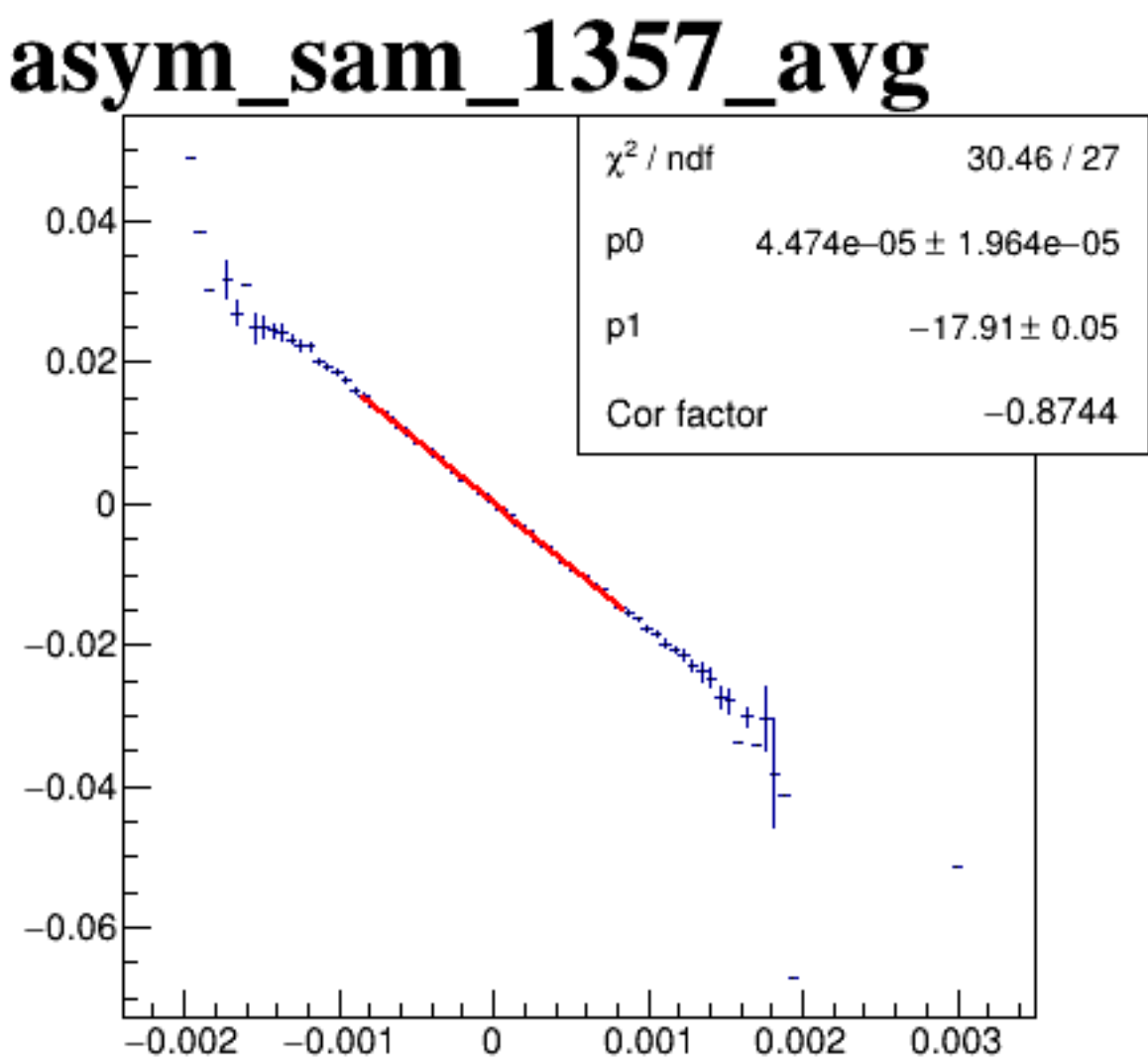
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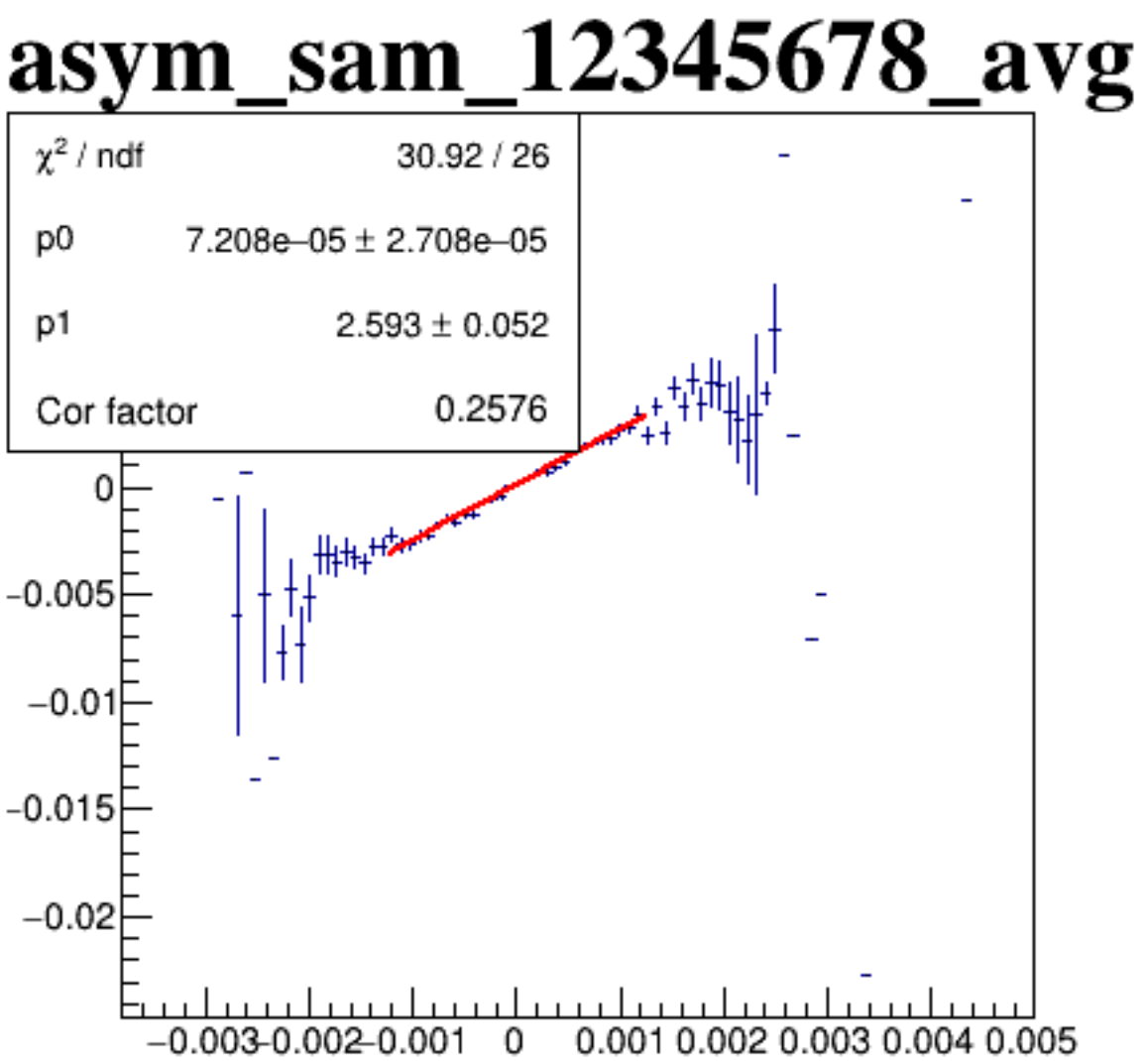
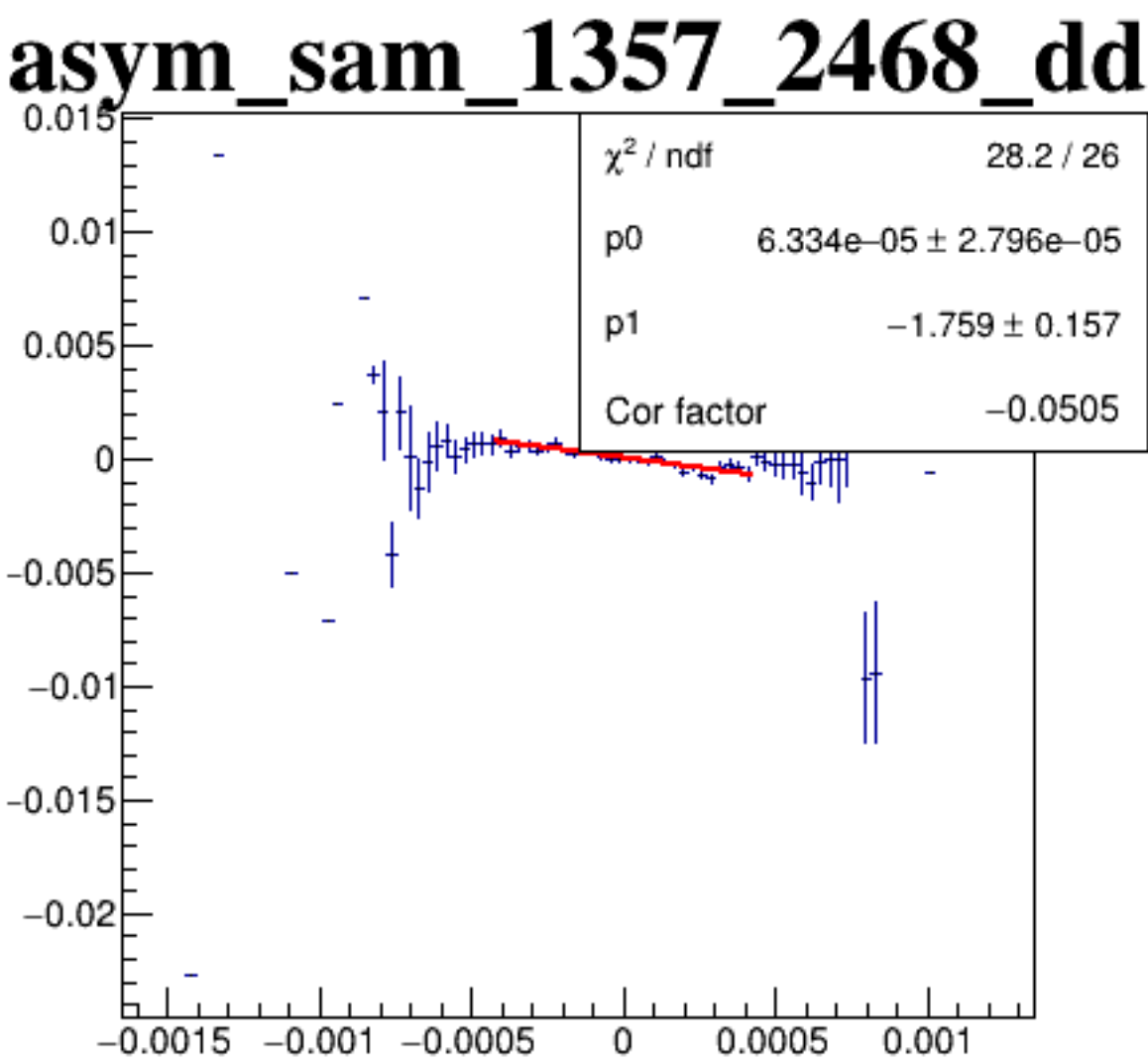
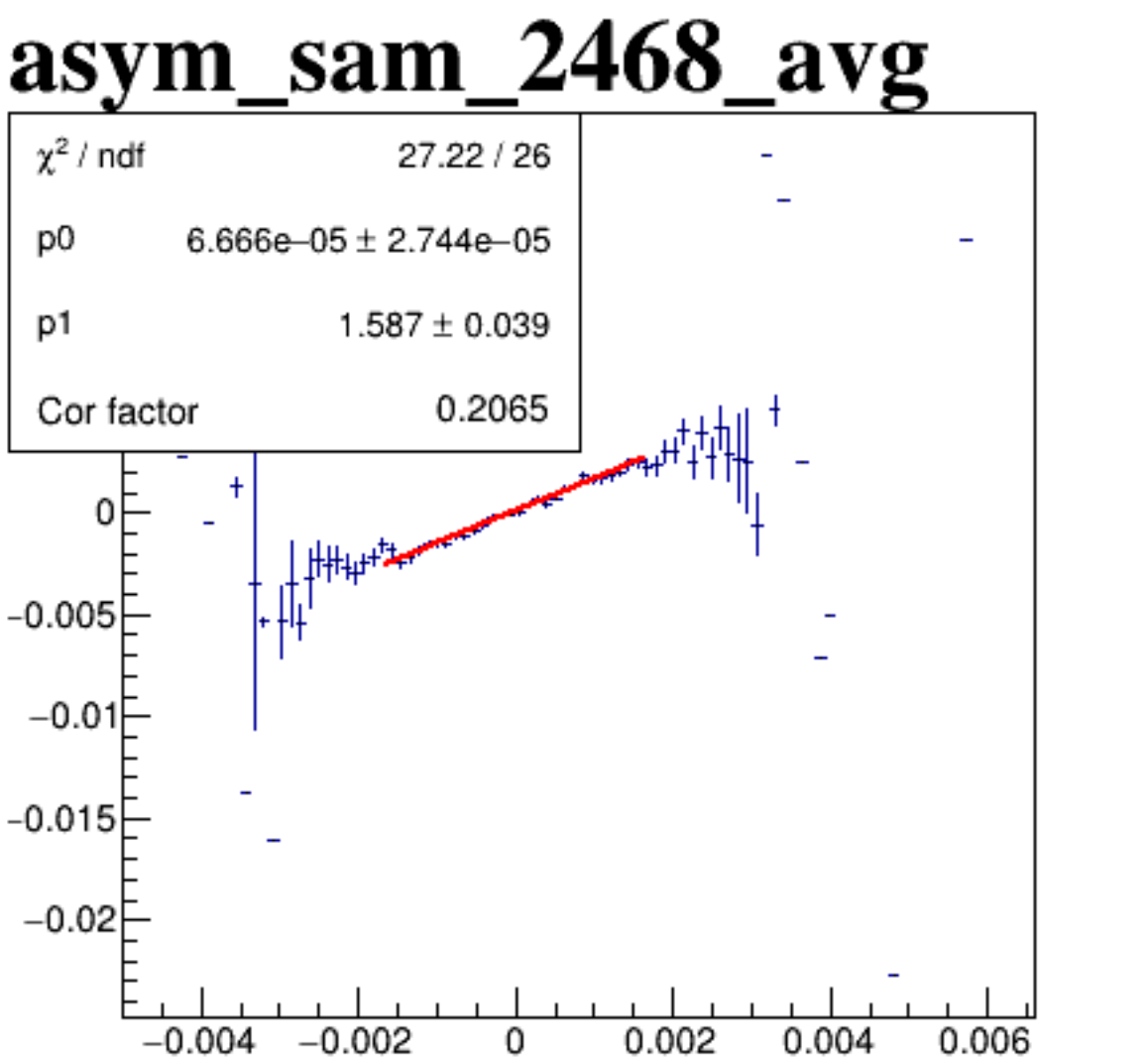
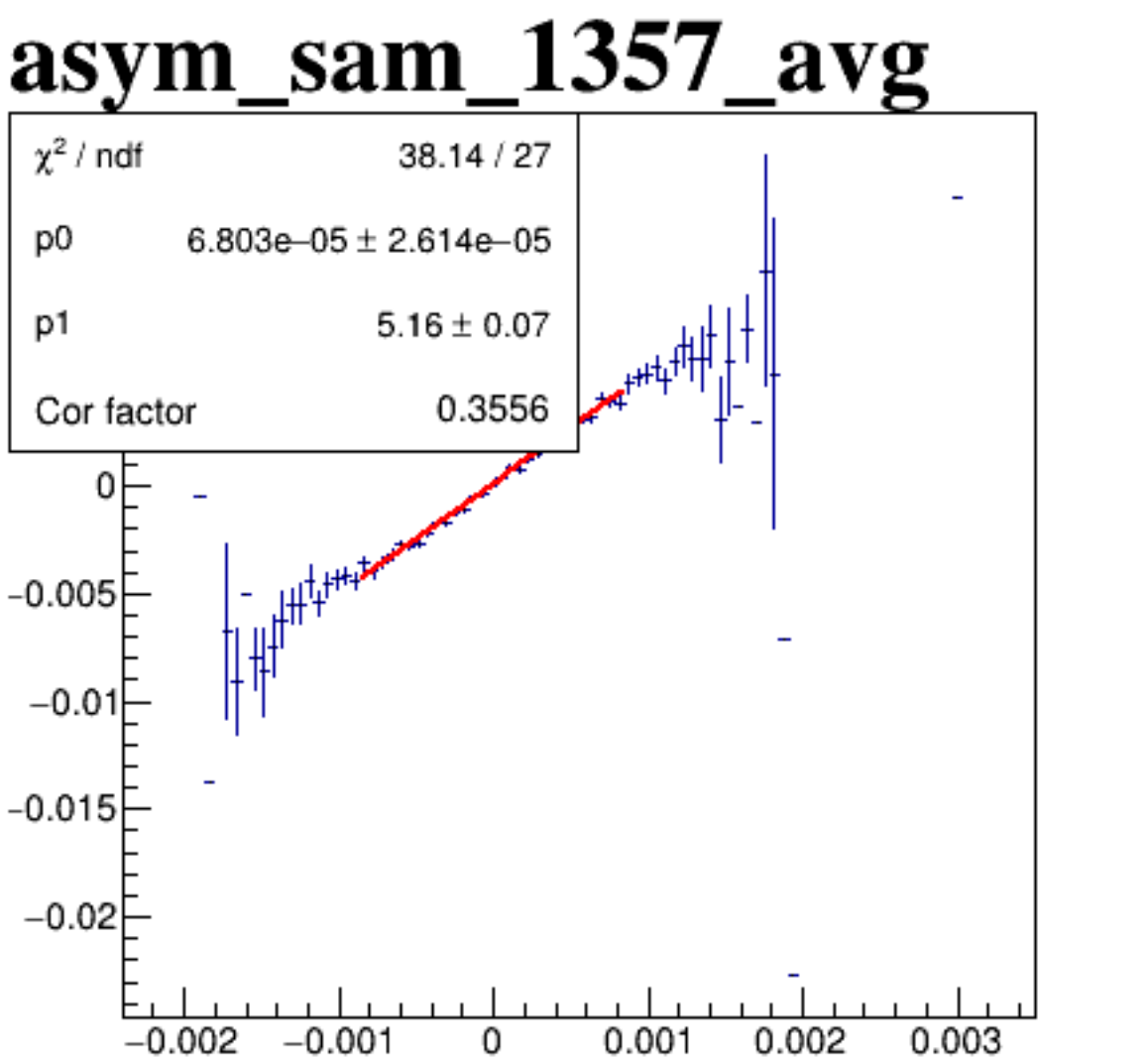
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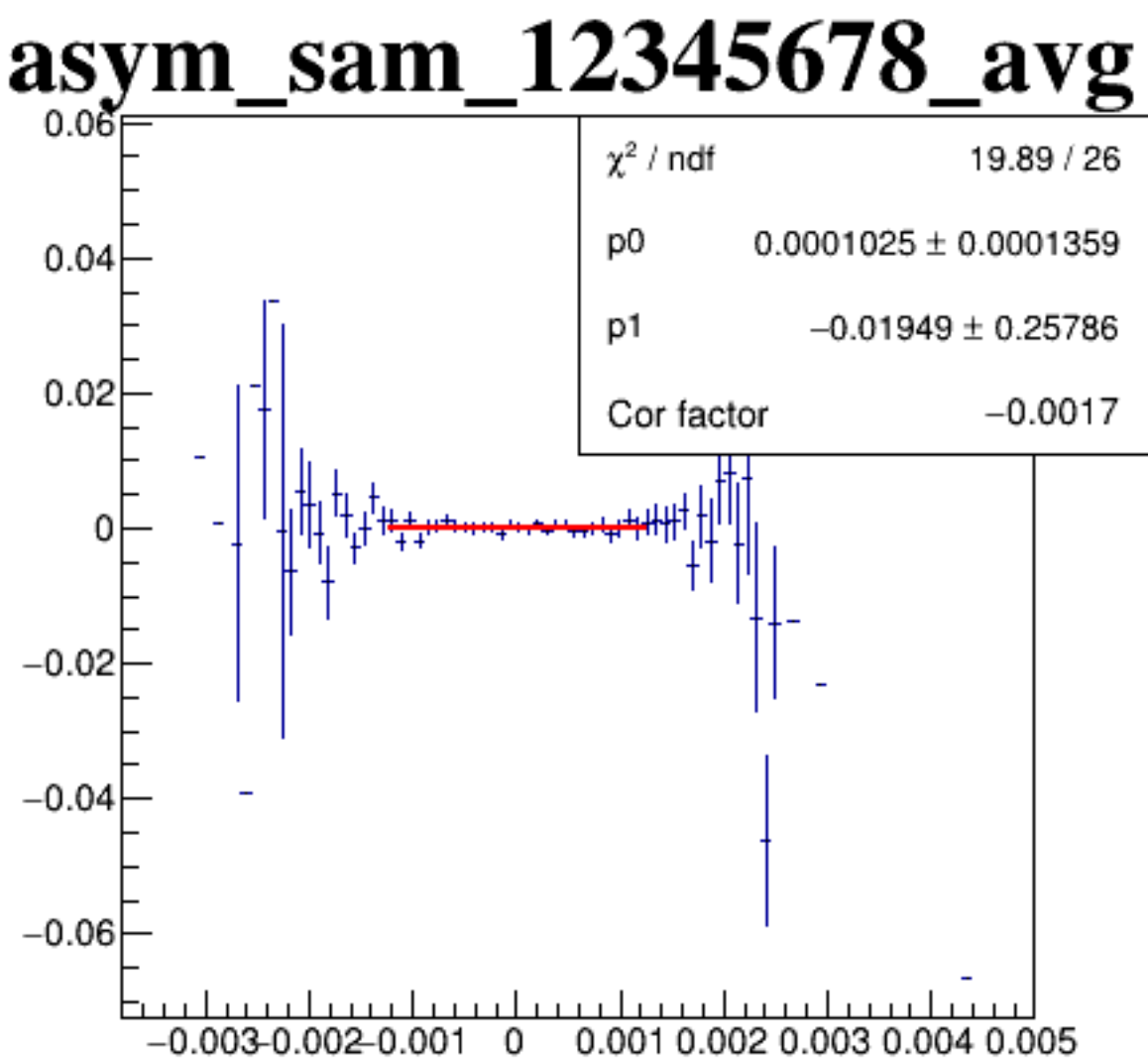
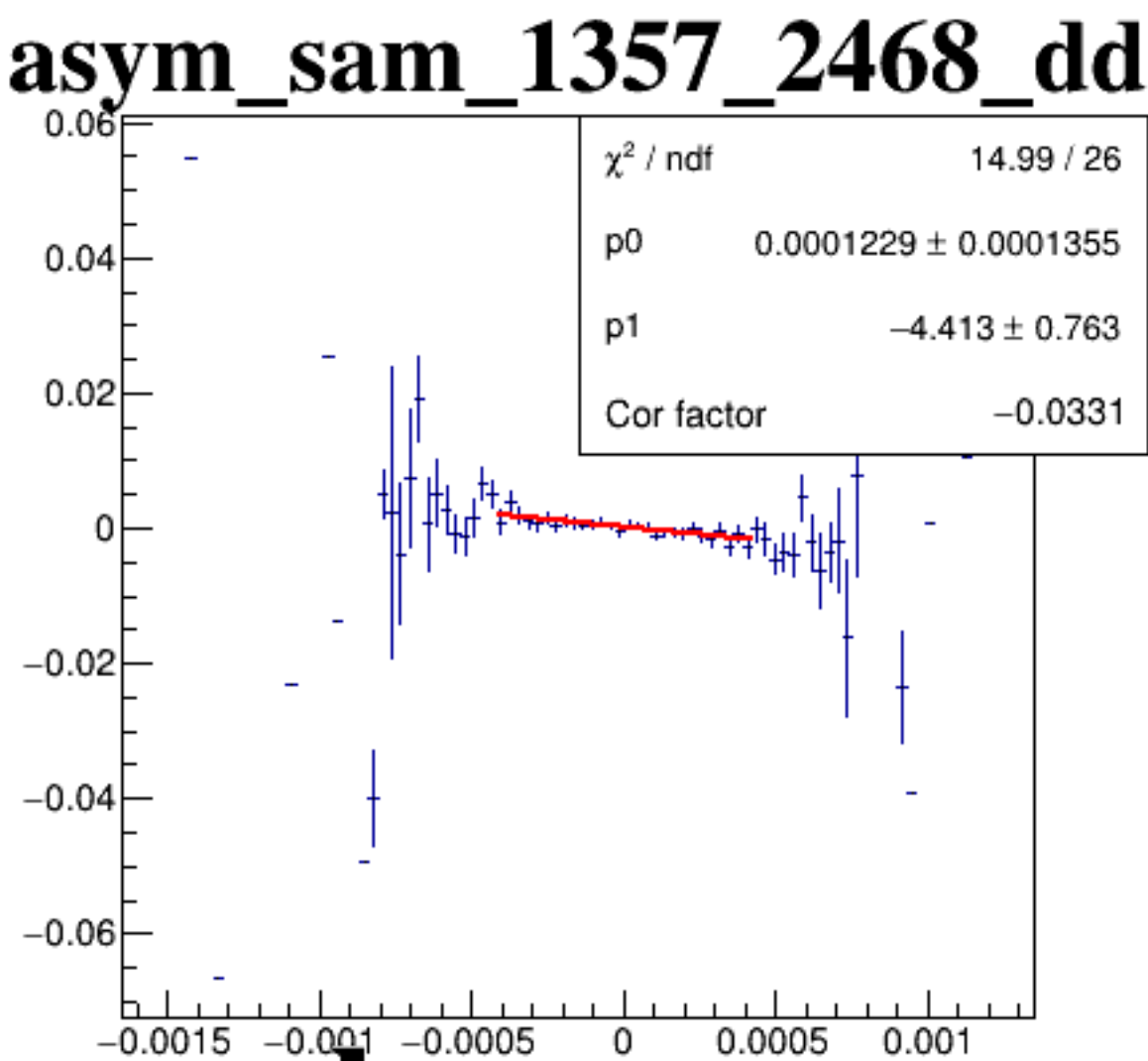
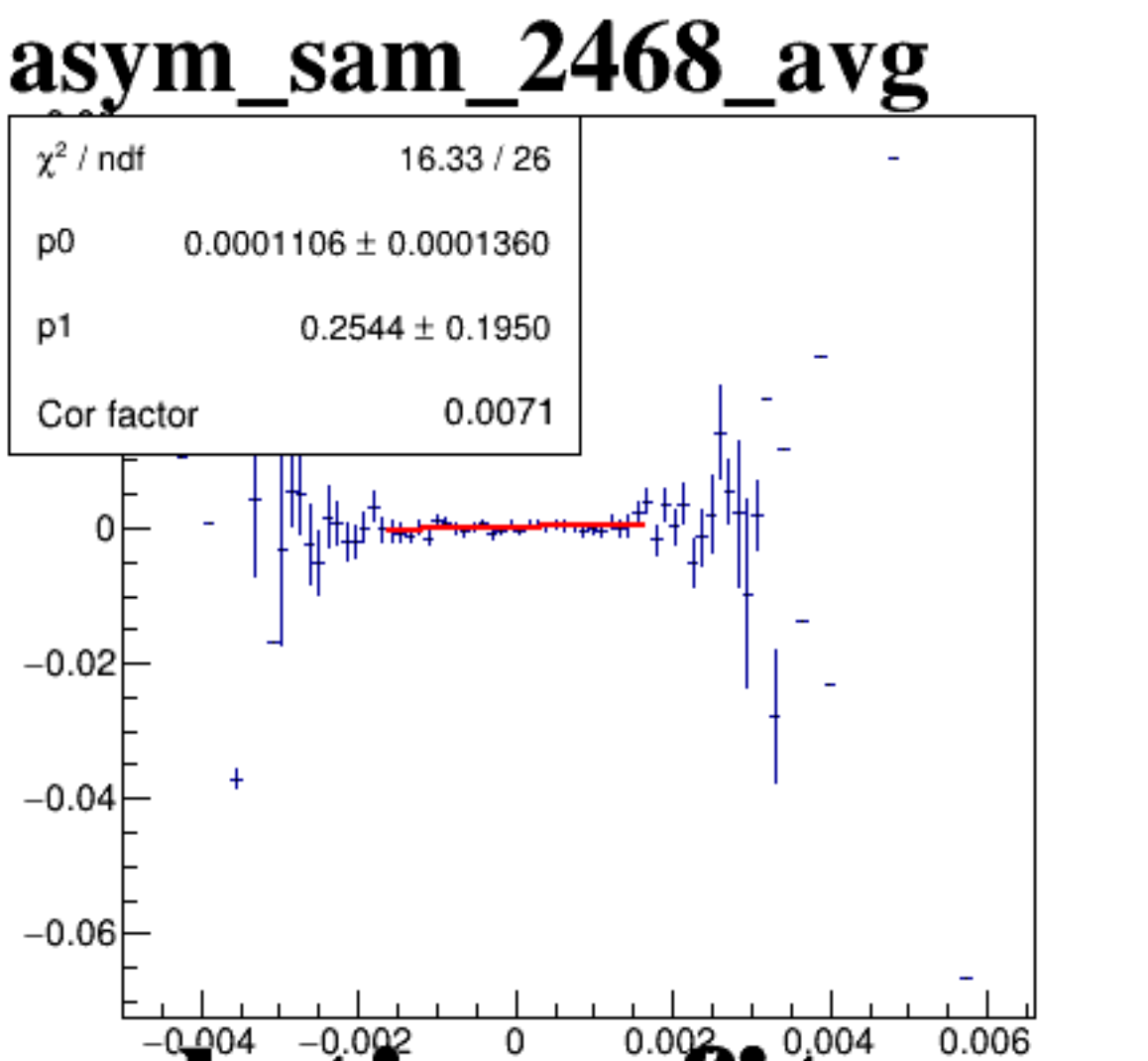
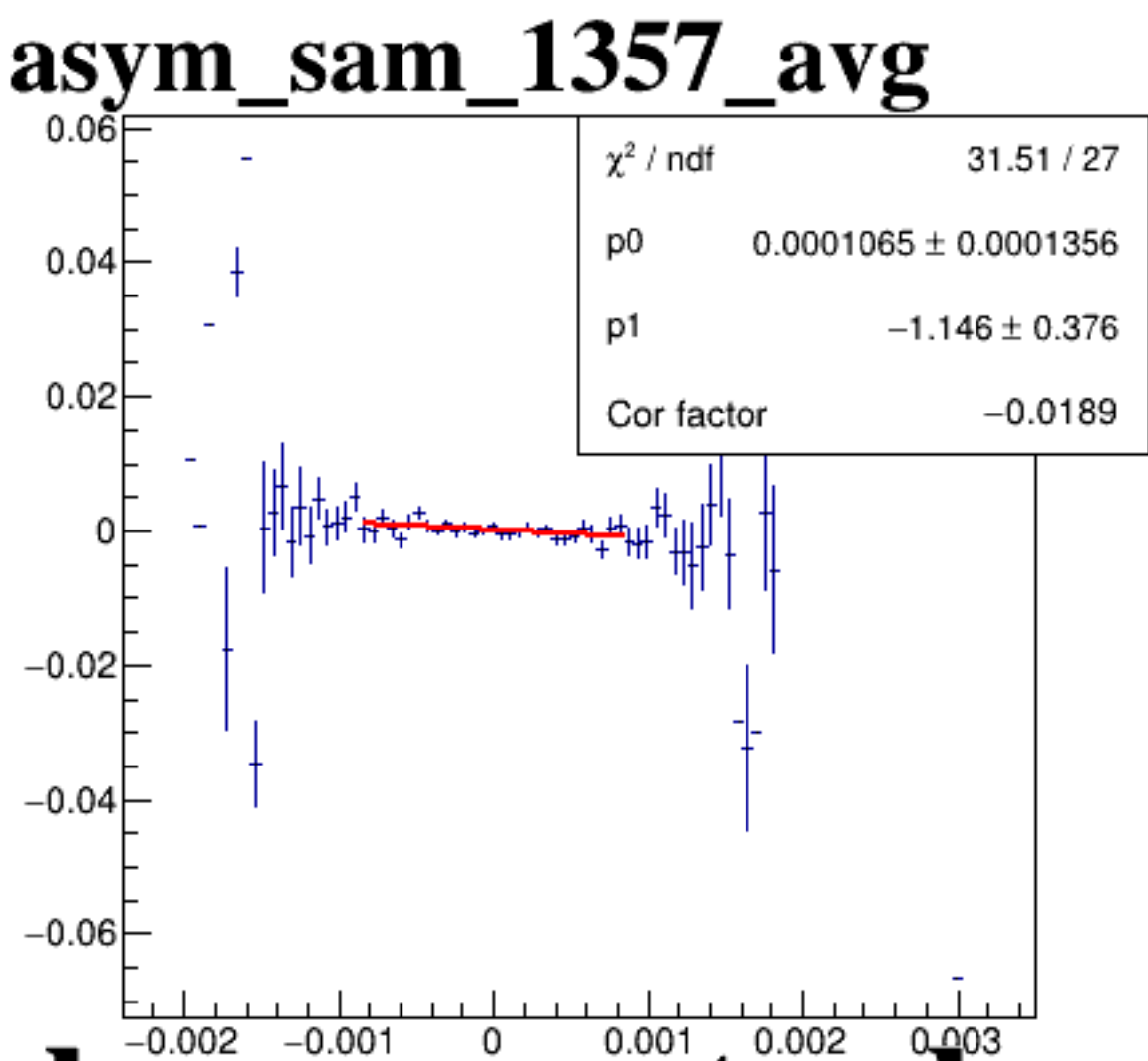
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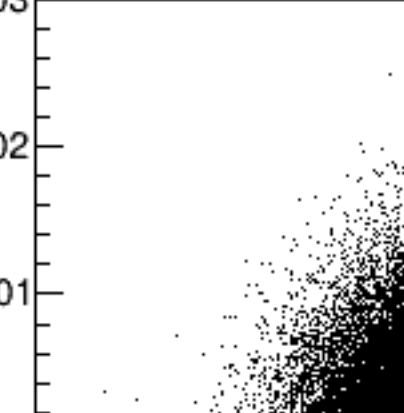


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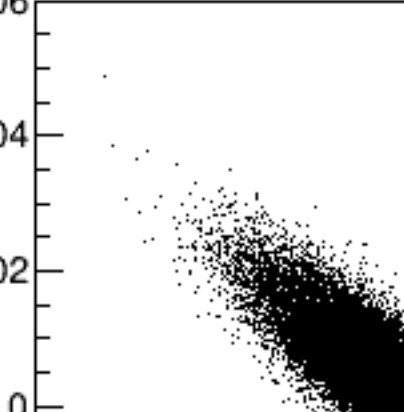
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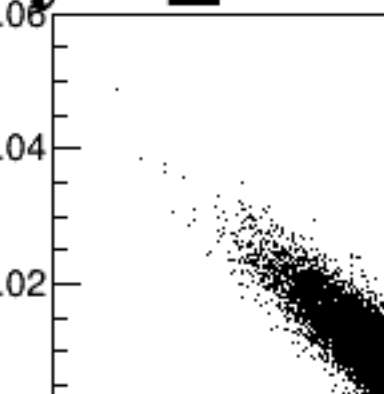


A scatter plot showing the relationship between **asym_sam_1357_avg** (y-axis) and **mulc.asym_sam_1357_avg** (x-axis). The y-axis ranges from -0.03 to 0.03, and the x-axis ranges from -0.002 to 0.003. The data points are densely clustered around the origin (0,0), forming a roughly circular cloud of points.

A scatter plot showing the relationship between `asym_sam_1357_2468_dd` (y-axis) and `mulc.asym_sam_1357_2468_dd` (x-axis). The y-axis ranges from -0.03 to 0.03, and the x-axis ranges from -0.0015 to 0.001. The data points are densely clustered around the origin (0,0), forming a circular cloud of points.



A scatter plot showing the relationship between **asym_sam_1357_avg** (y-axis) and **mulc.asym_sam_1357_avg** (x-axis). The y-axis ranges from -0.06 to 0.06, and the x-axis ranges from -0.002 to 0.003. The data points form a dense, elongated cloud centered around the origin, 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 data points are tightly clustered along a diagonal line, indicating a strong positive correlation. The axes range from -0.06 to 0.06.

A scatter plot showing the relationship between the average asymmetry of the sample, $\text{asym_sam_12345678_avg}$ (y-axis), and the average asymmetry of the multiplicity distribution, $\text{mulc.asym_sam_12345678_avg}$ (x-axis). The y-axis ranges from -0.06 to 0.08, and the x-axis ranges from -0.003 to 0.005. The data points form a dense, elongated cloud with a negative correlation, indicating that as the multiplicity distribution asymmetry increases, the sample asymmetry tends to decrease.

A scatter plot showing the relationship between `asym_sam_12345678_avg` (y-axis) and `mulc.asym_sam_12345678_avg` (x-axis). The y-axis ranges from -0.15 to 0.15 with major ticks every 0.05. The x-axis ranges from -0.003 to 0.005 with major ticks every 0.001. The data points are densely clustered around the origin (0,0), forming a circular cloud of points. There are a few outliers, particularly along the x-axis at higher values.

run6597_000_diff_bpm_mutual_correlation_scat_sam_combos.png