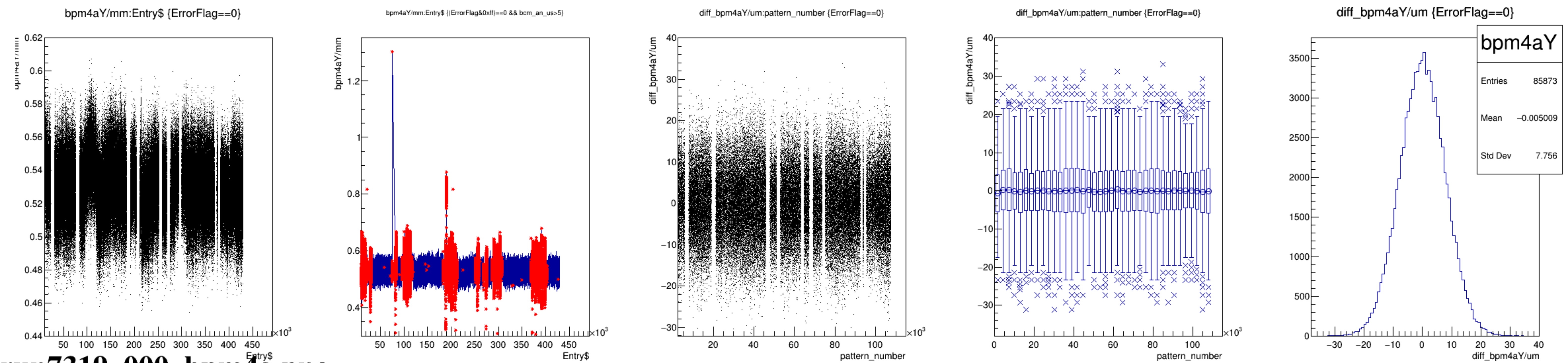
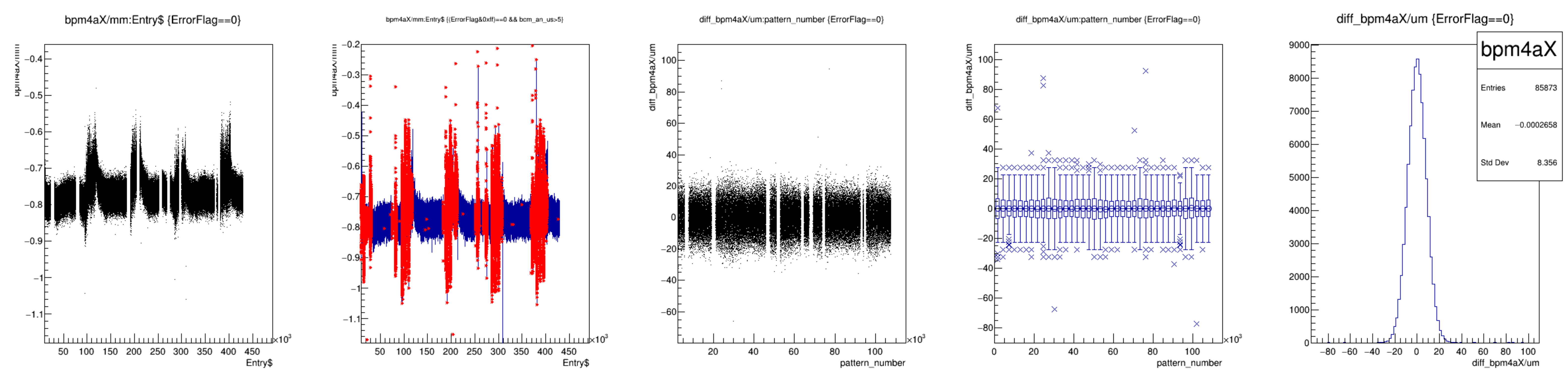
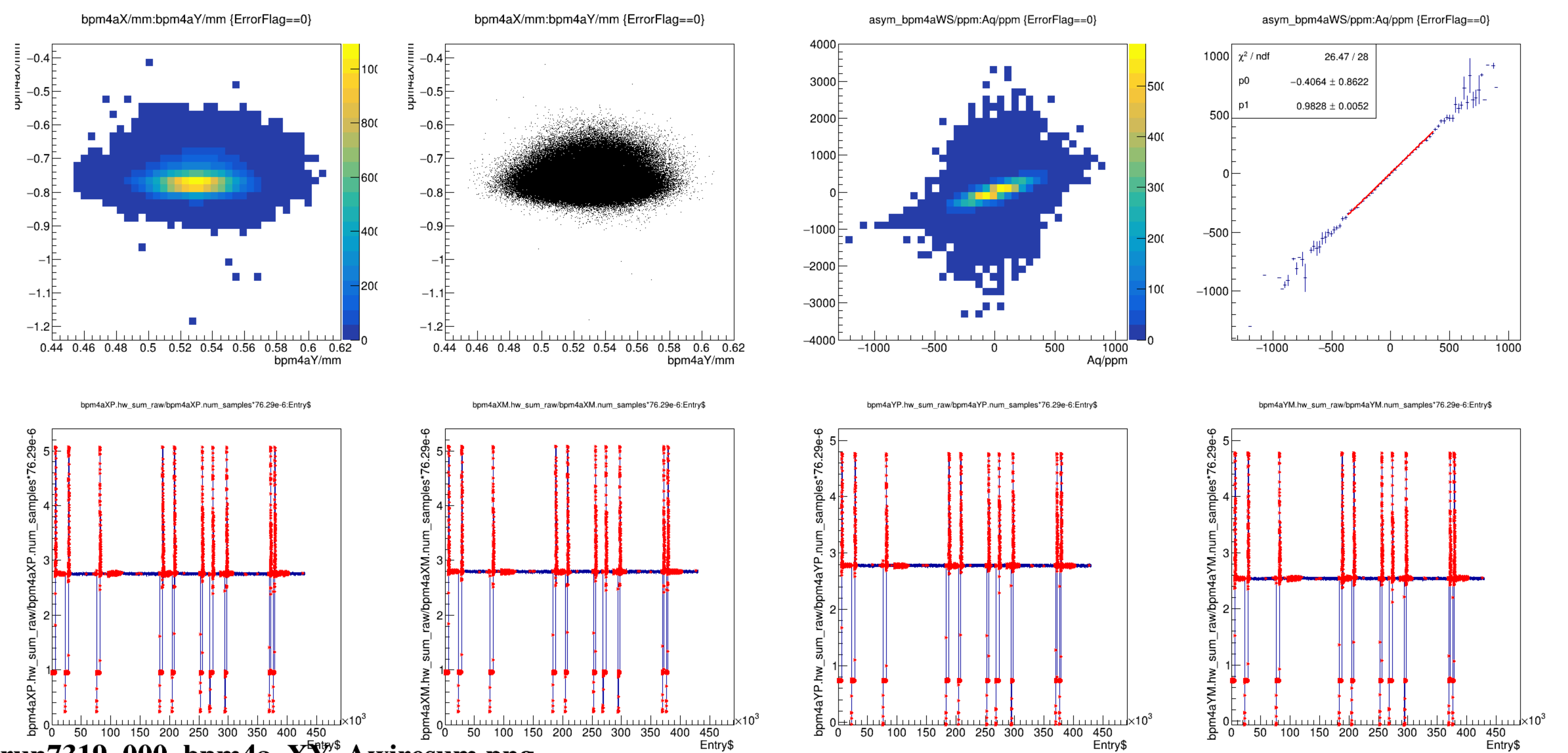
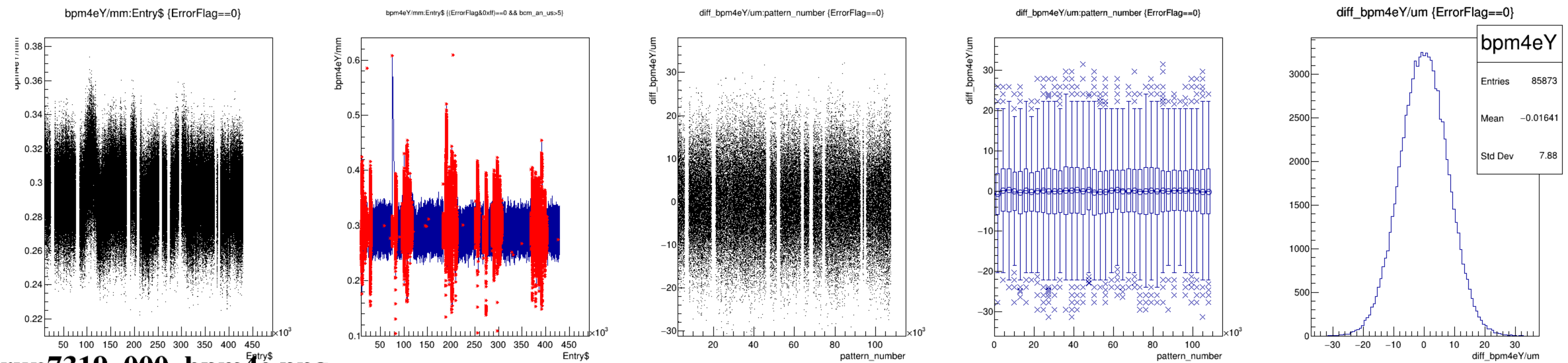
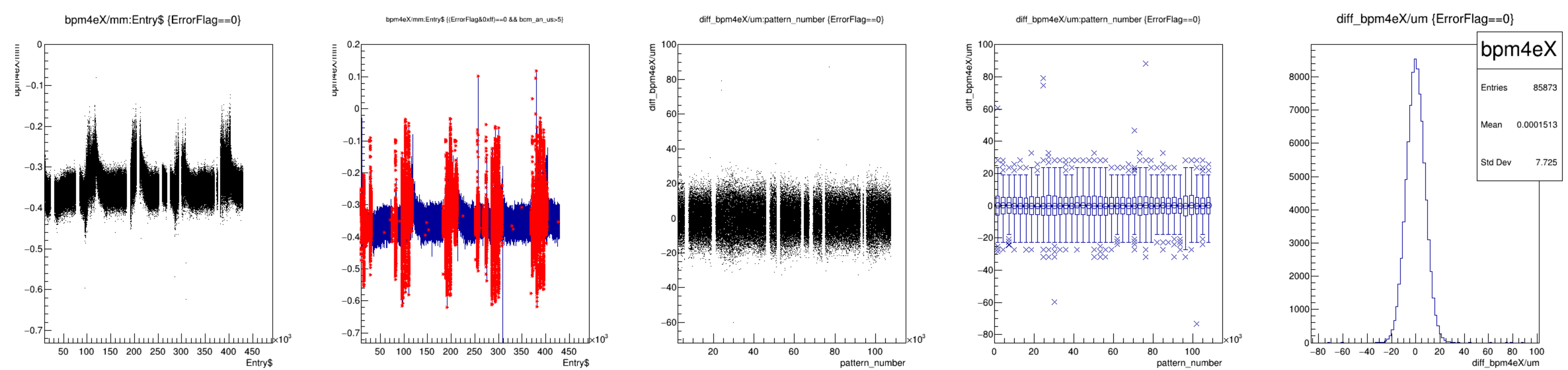
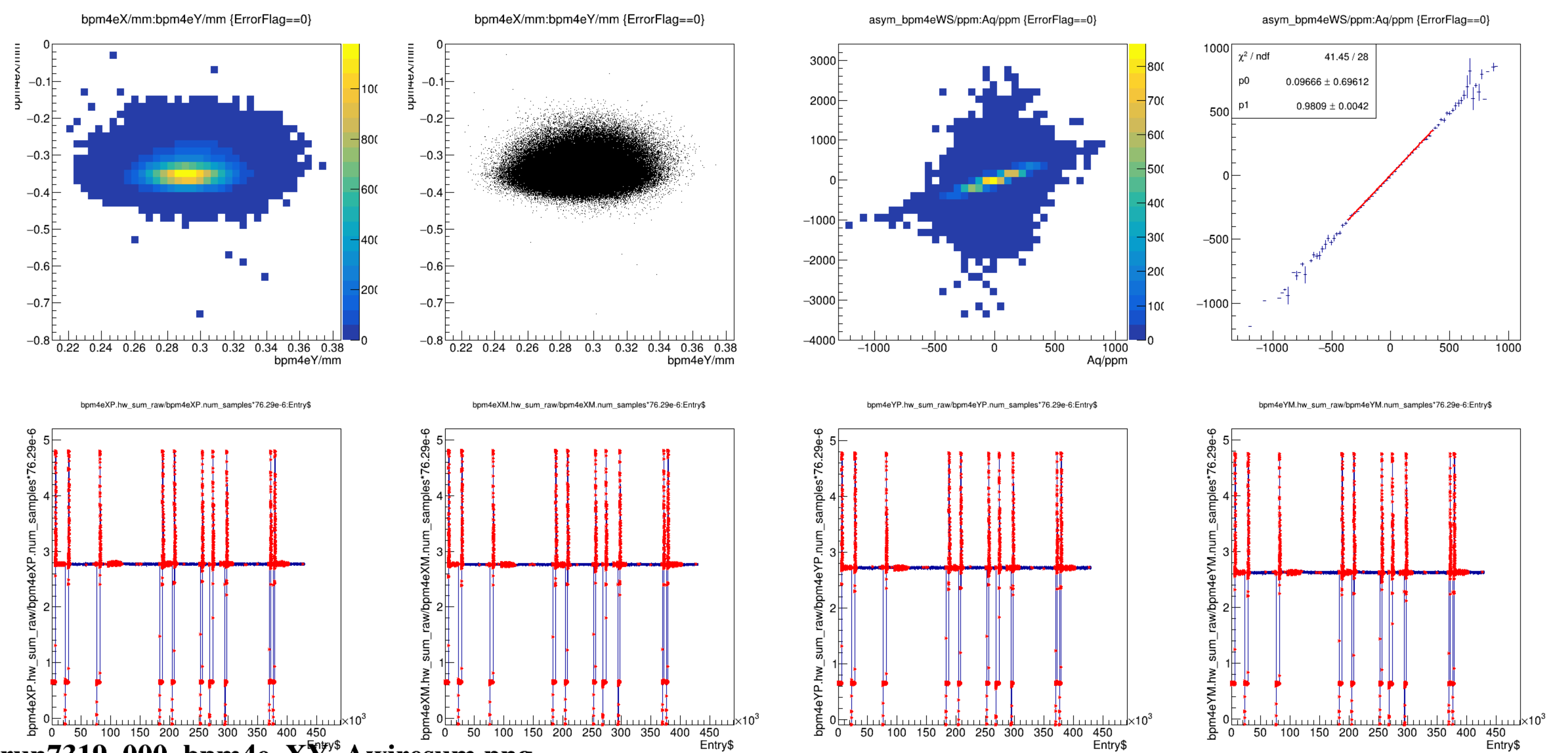
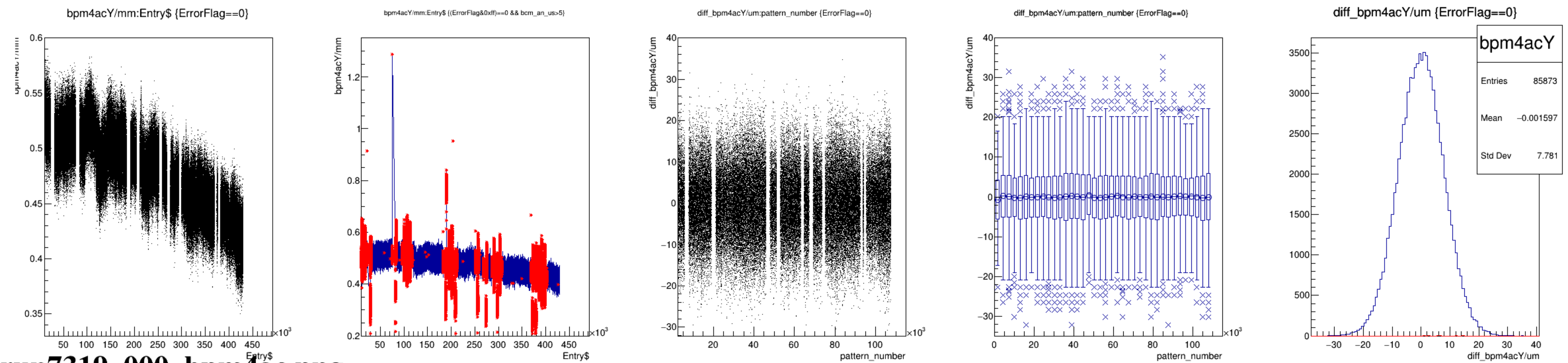
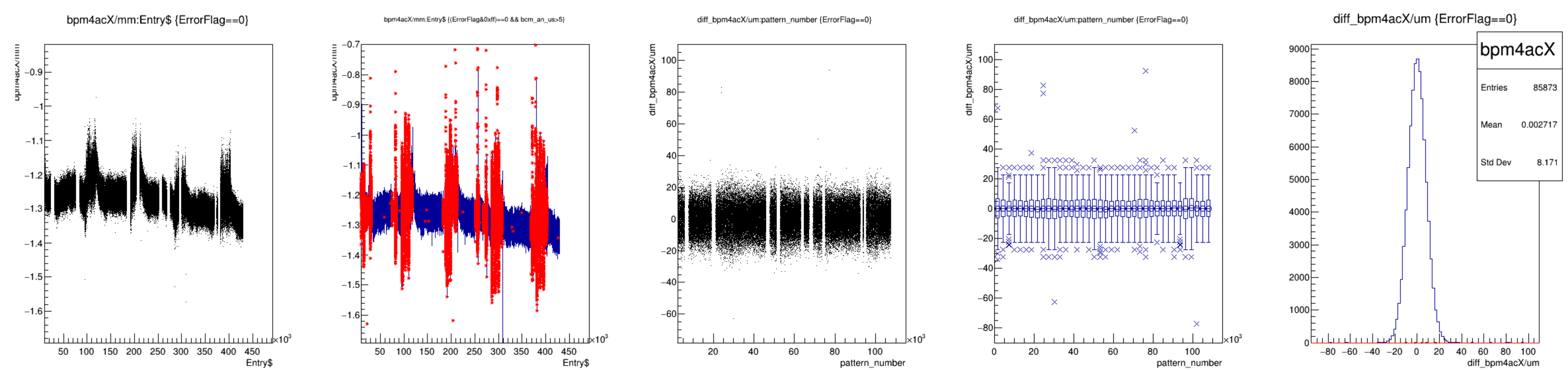


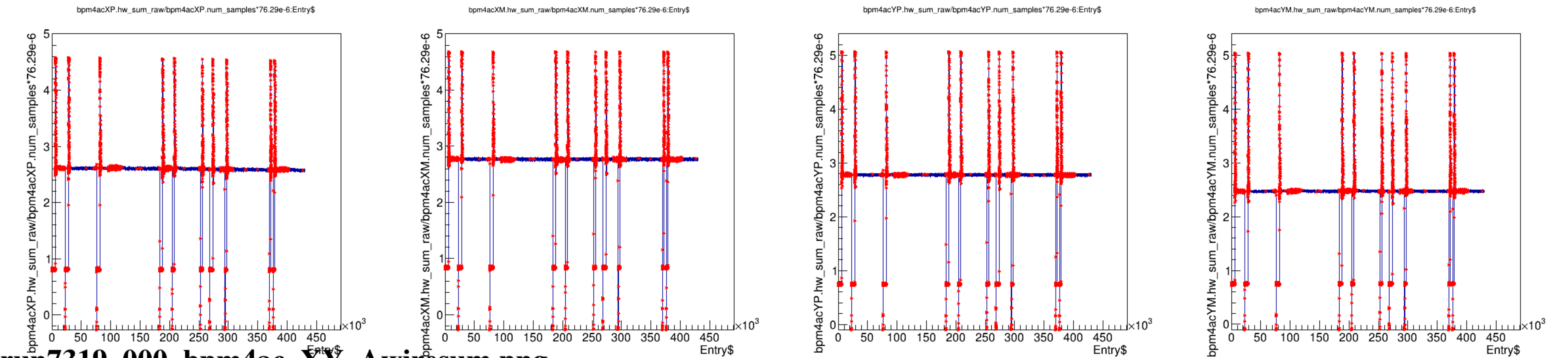
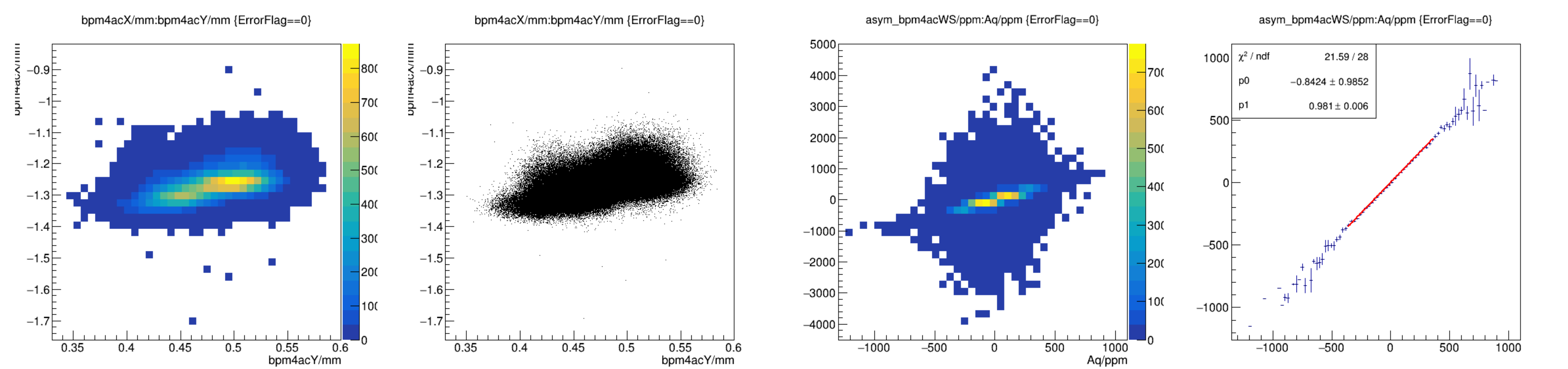


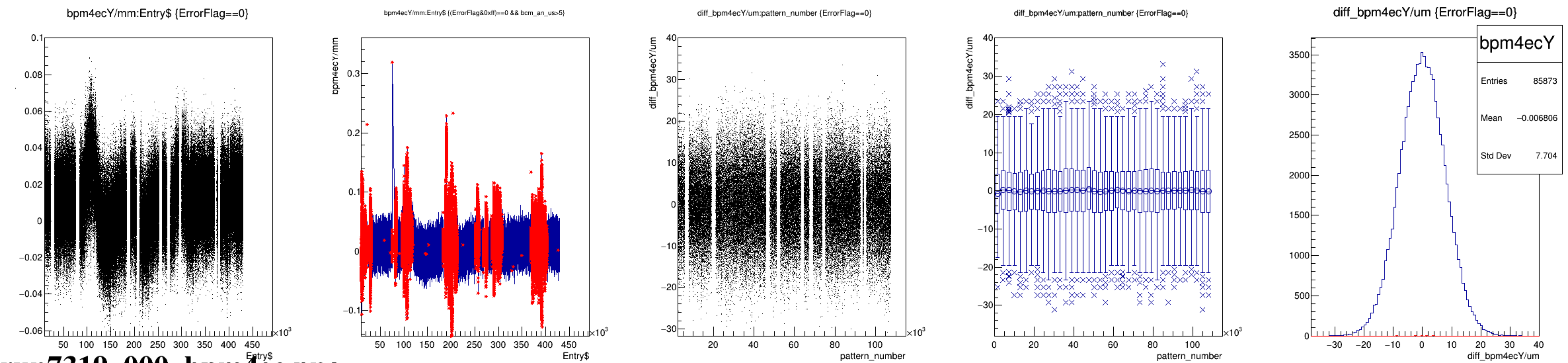
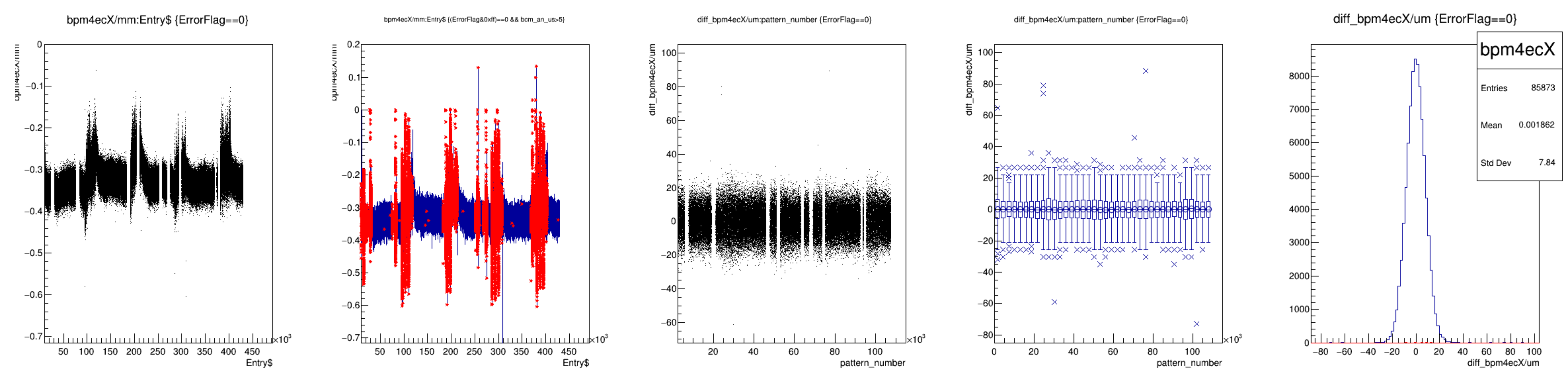


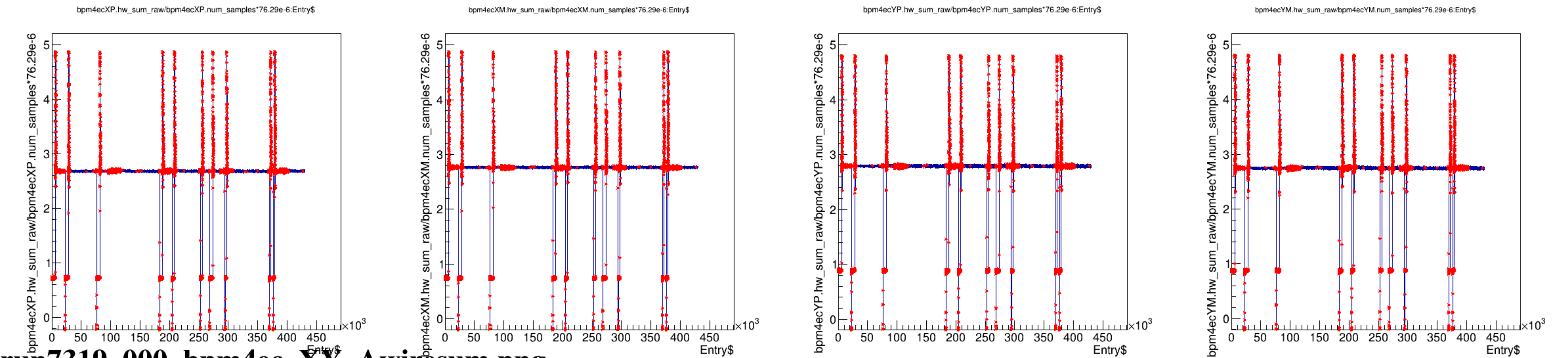
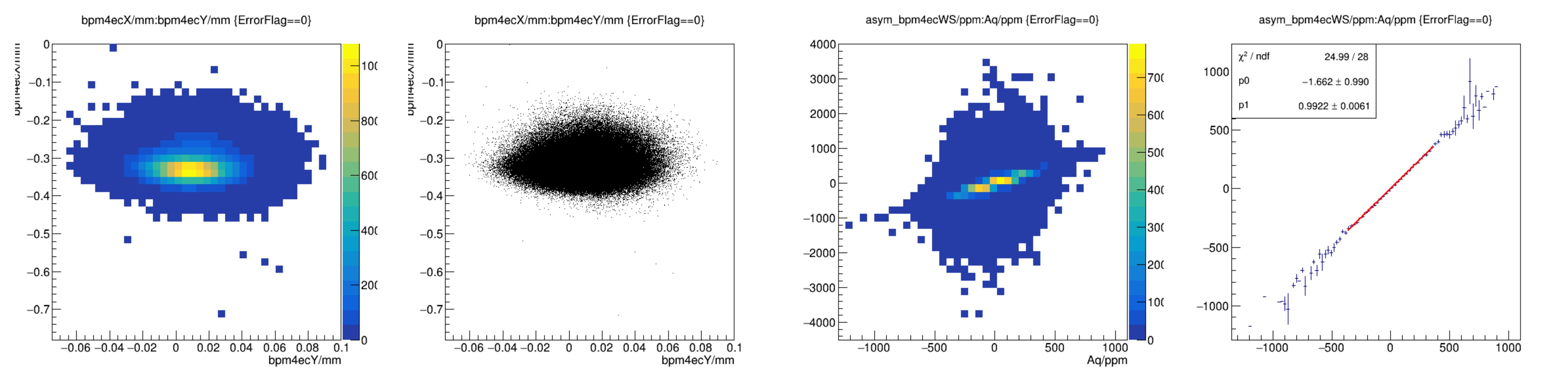


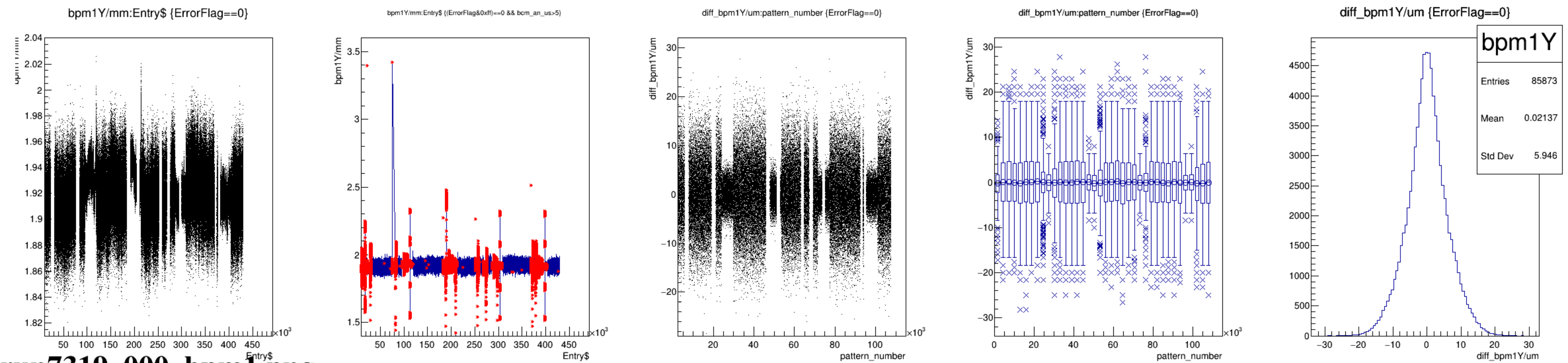
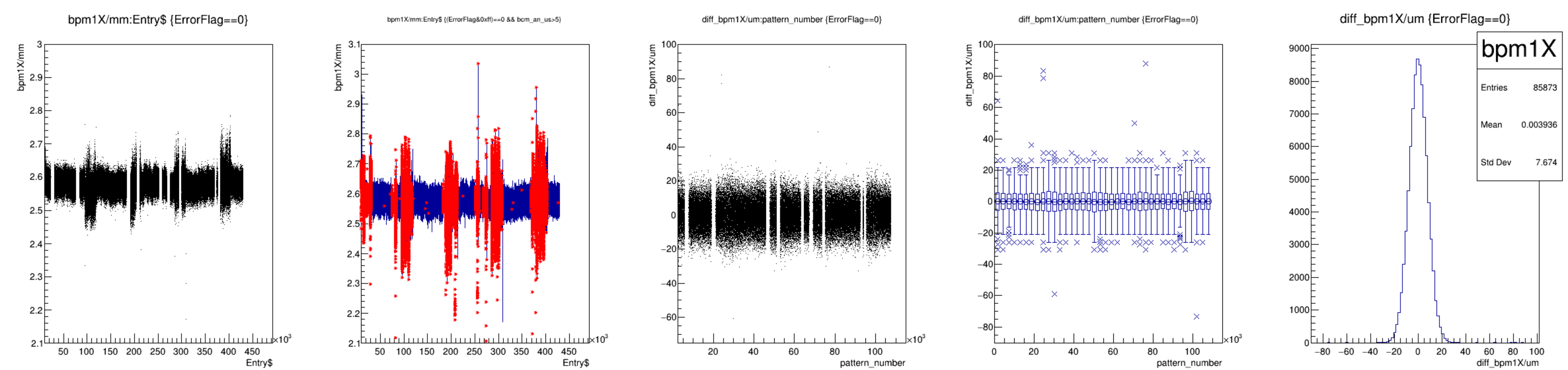


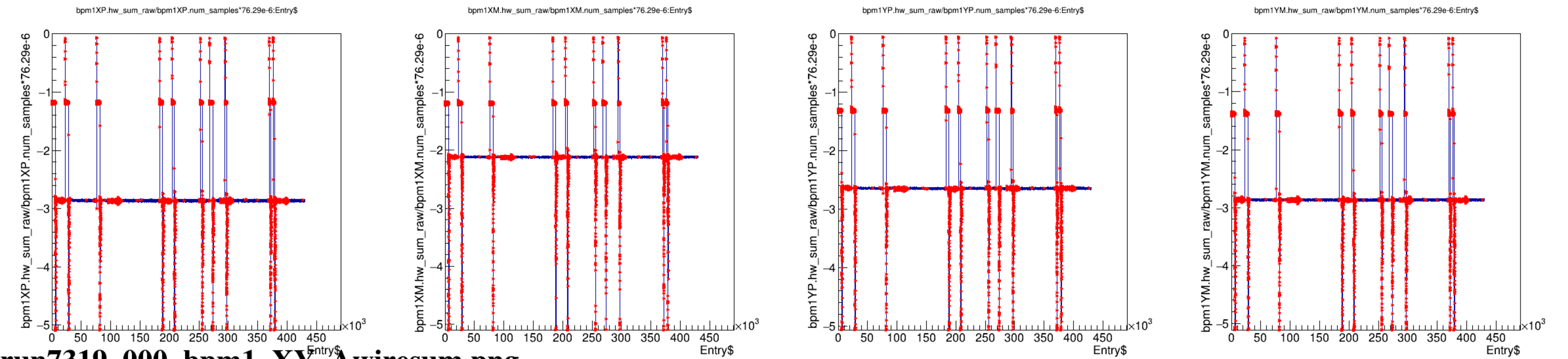
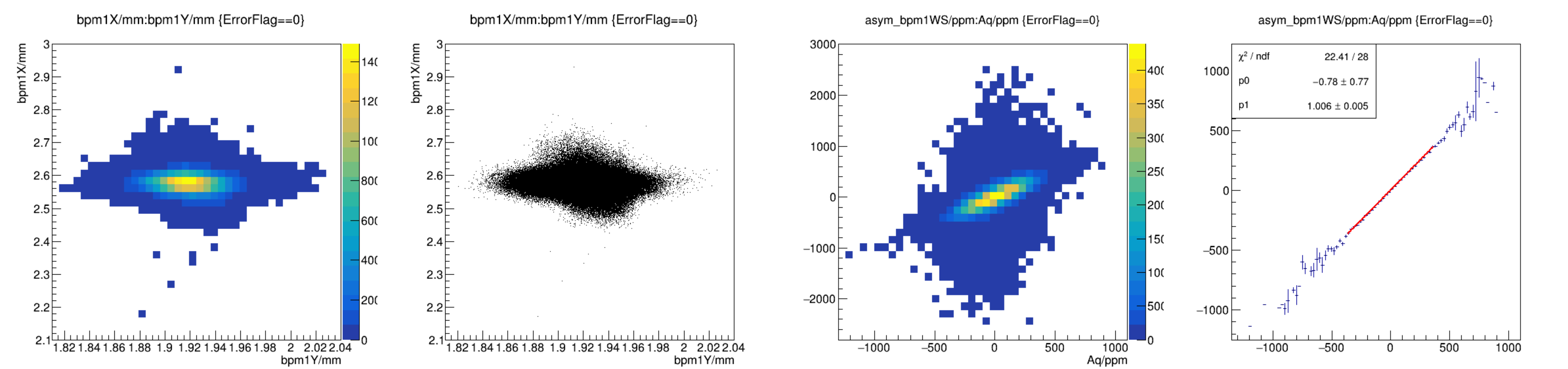


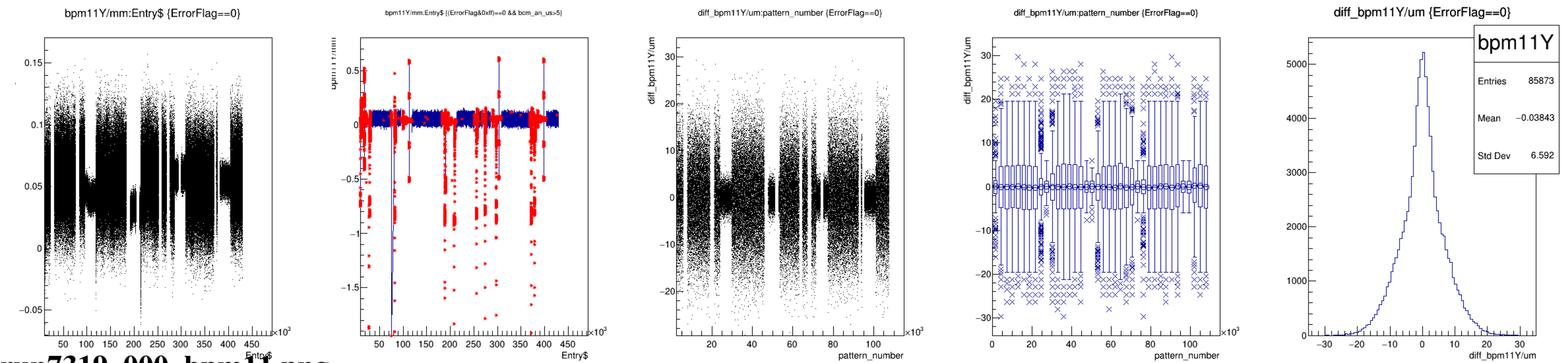
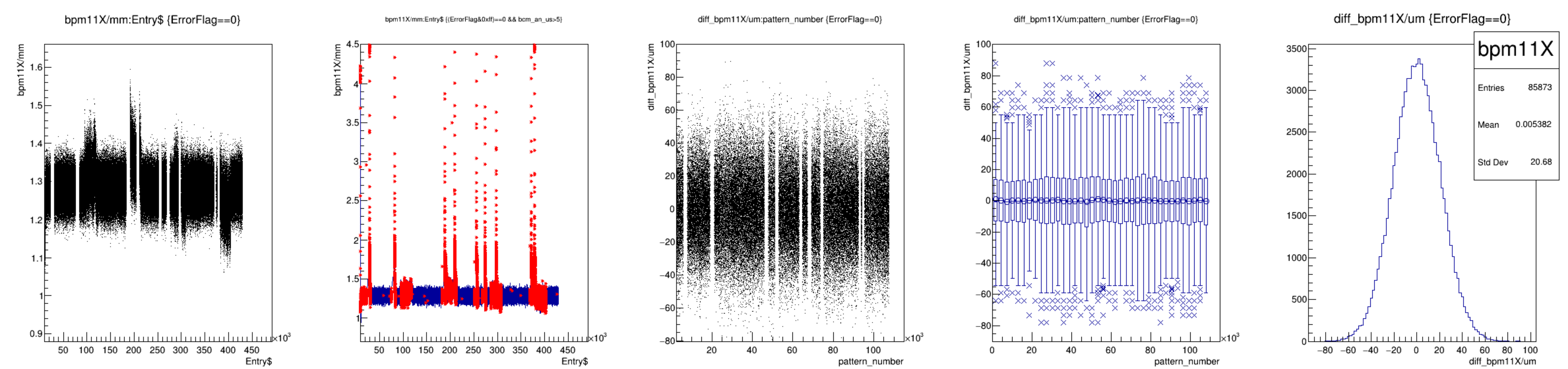


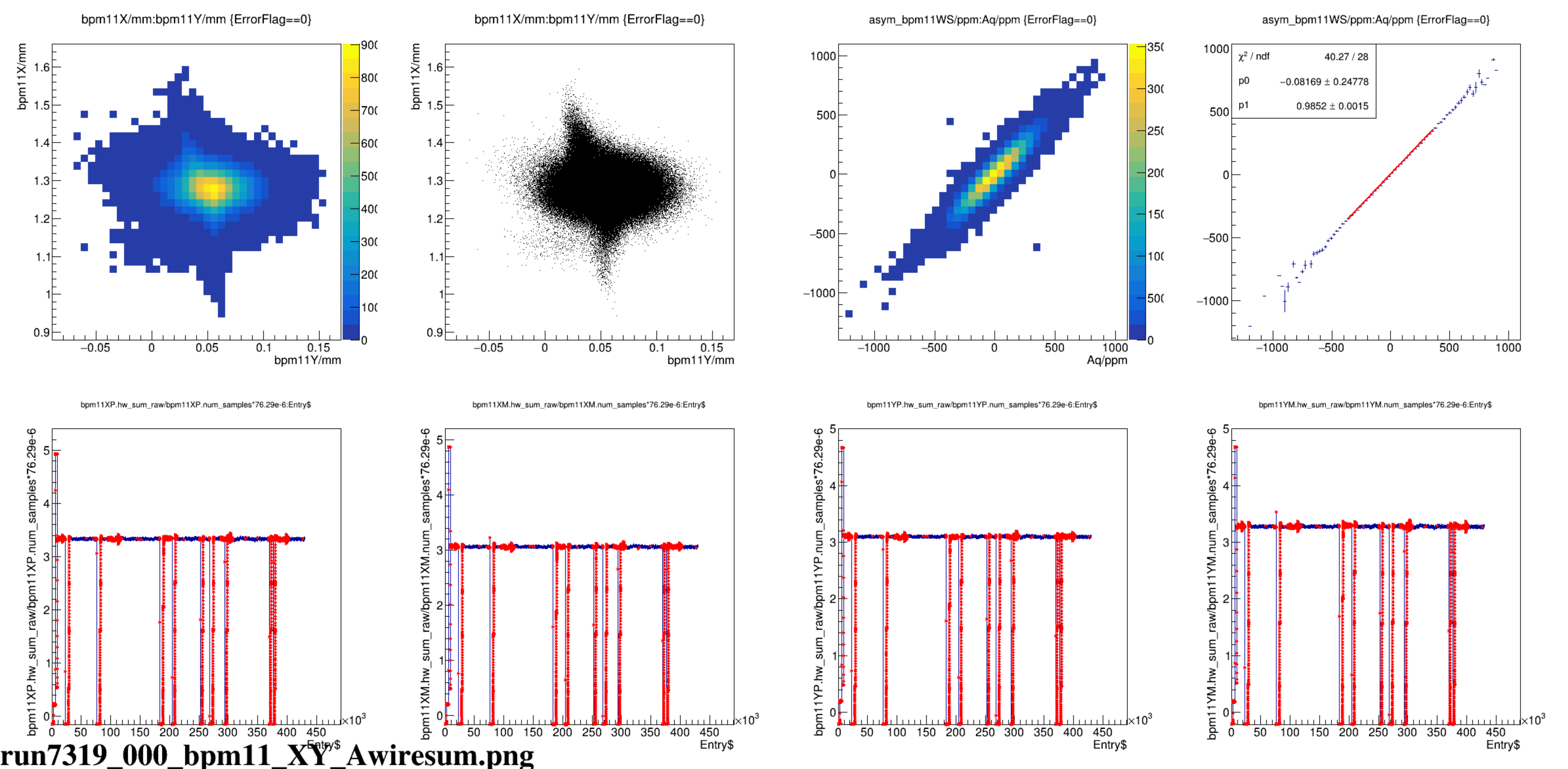


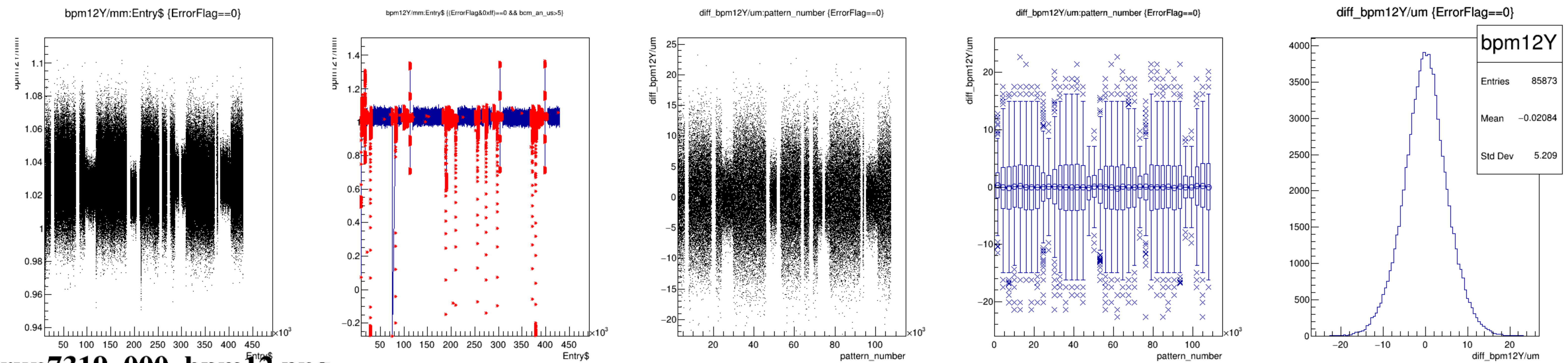
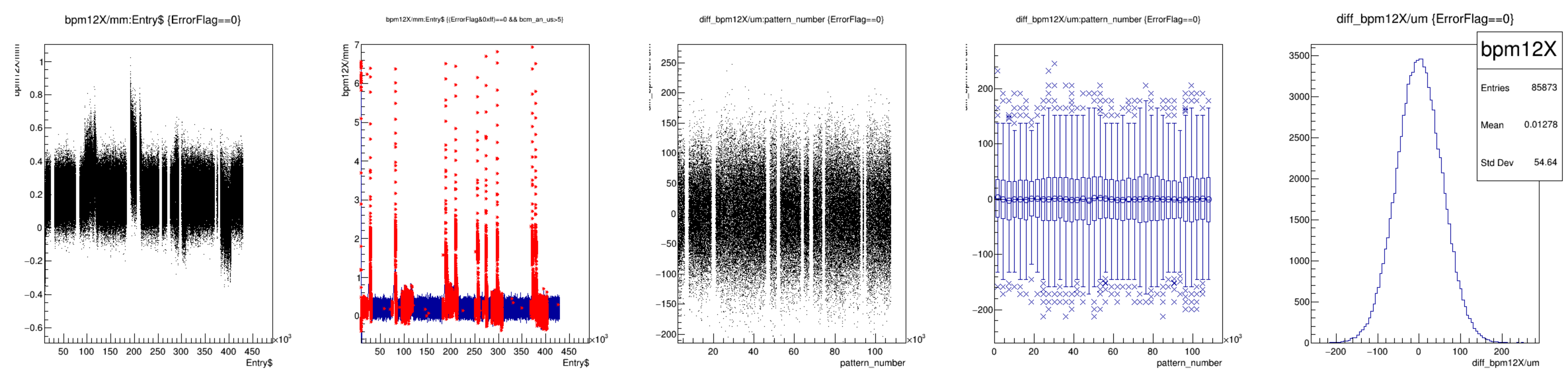


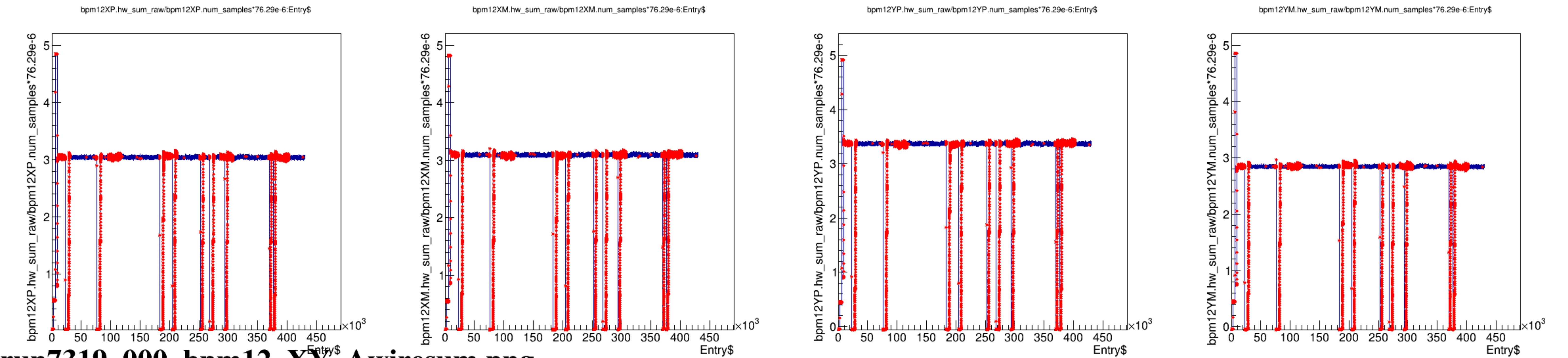
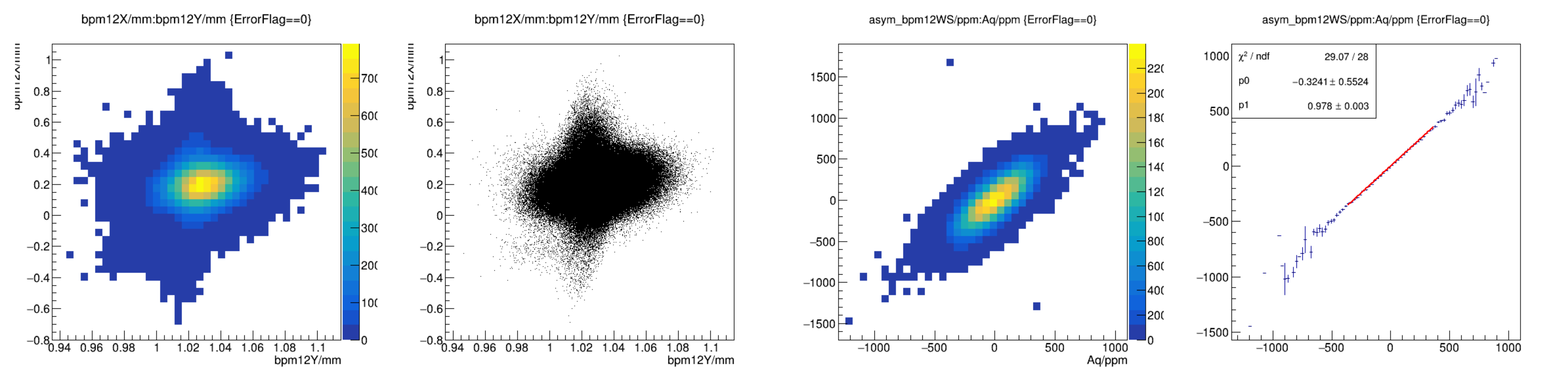


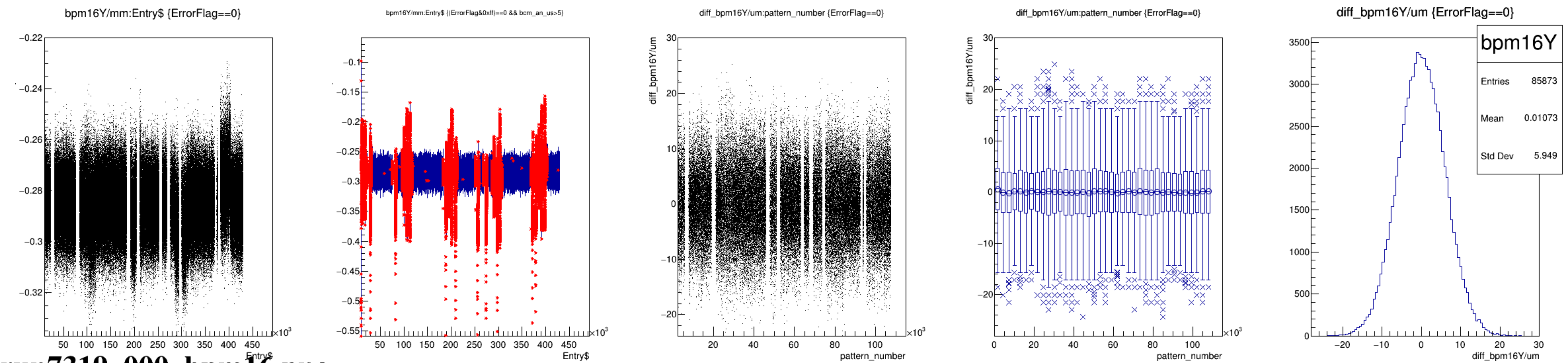
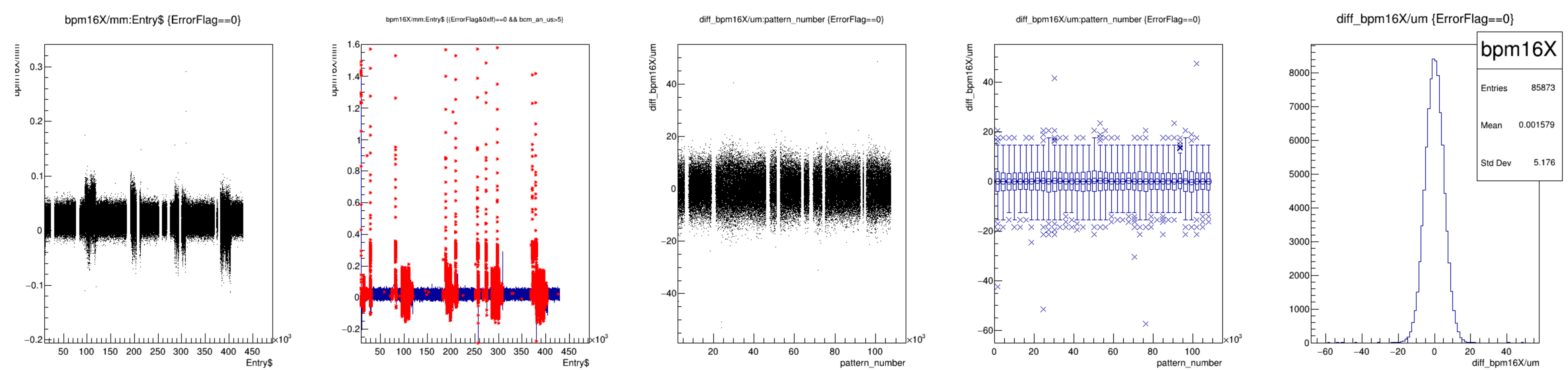


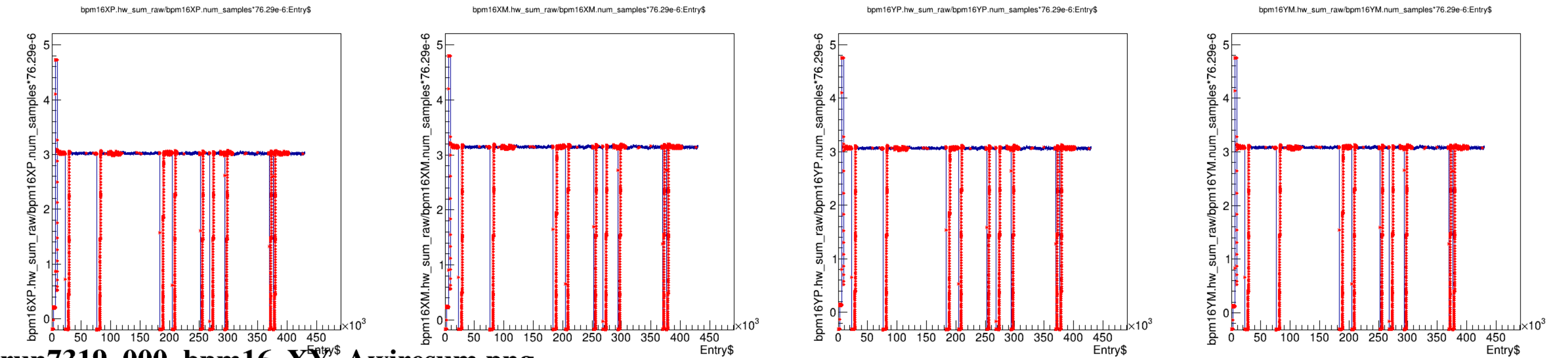
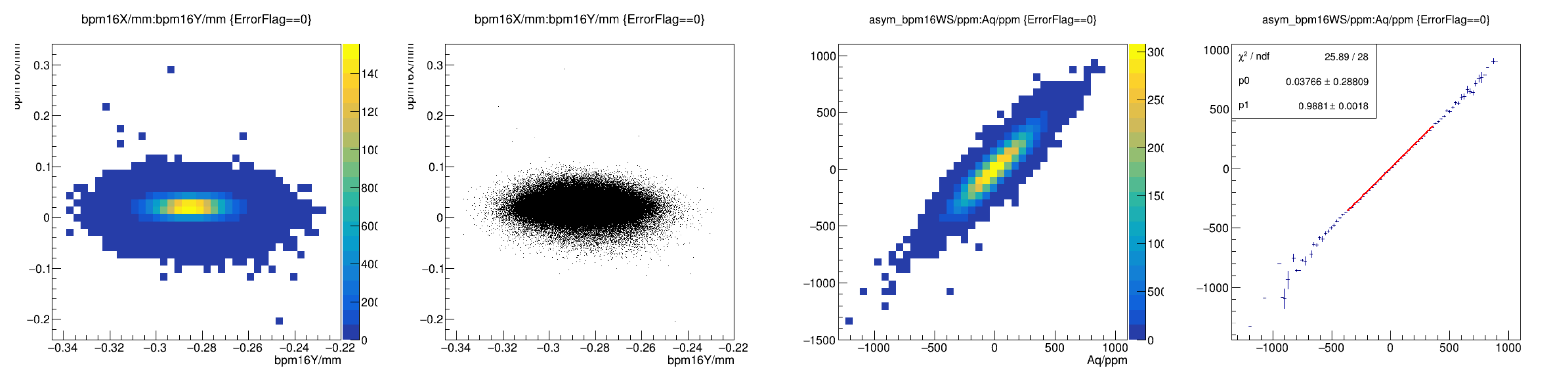


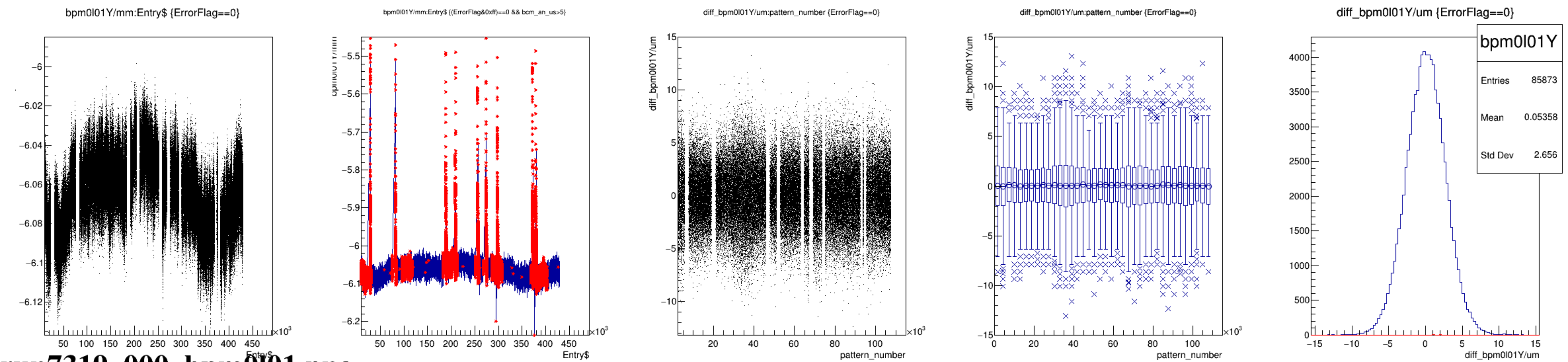
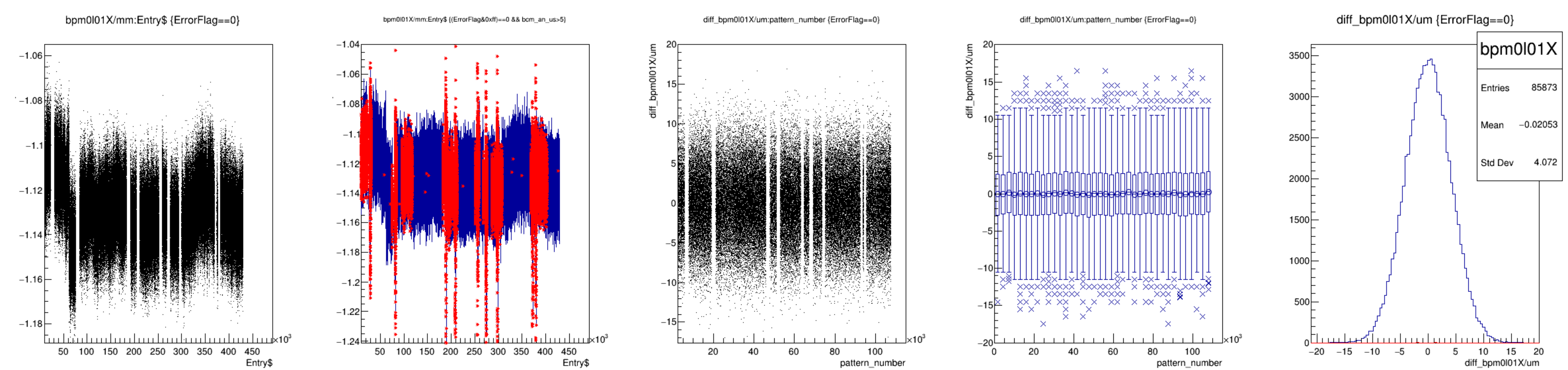




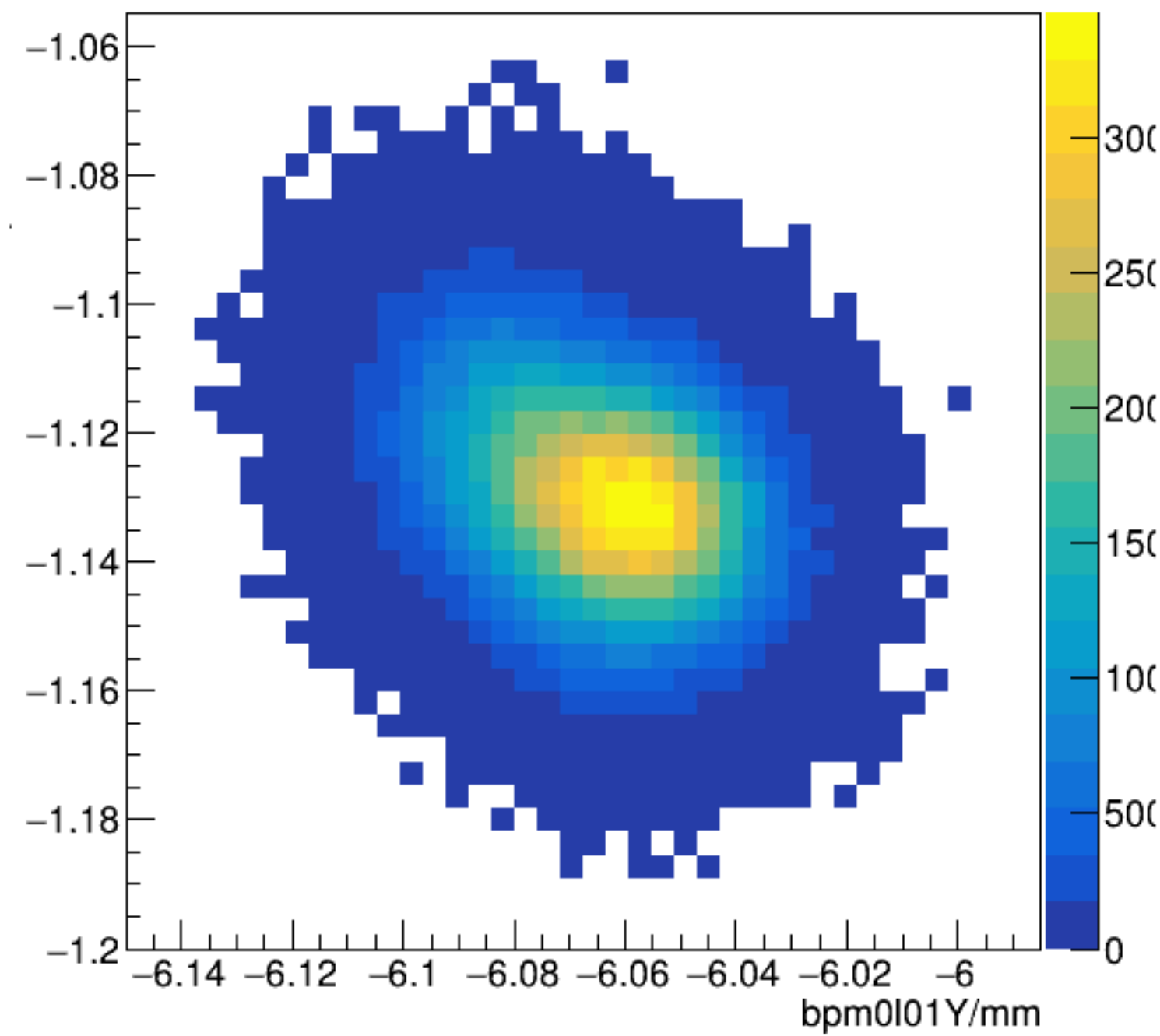




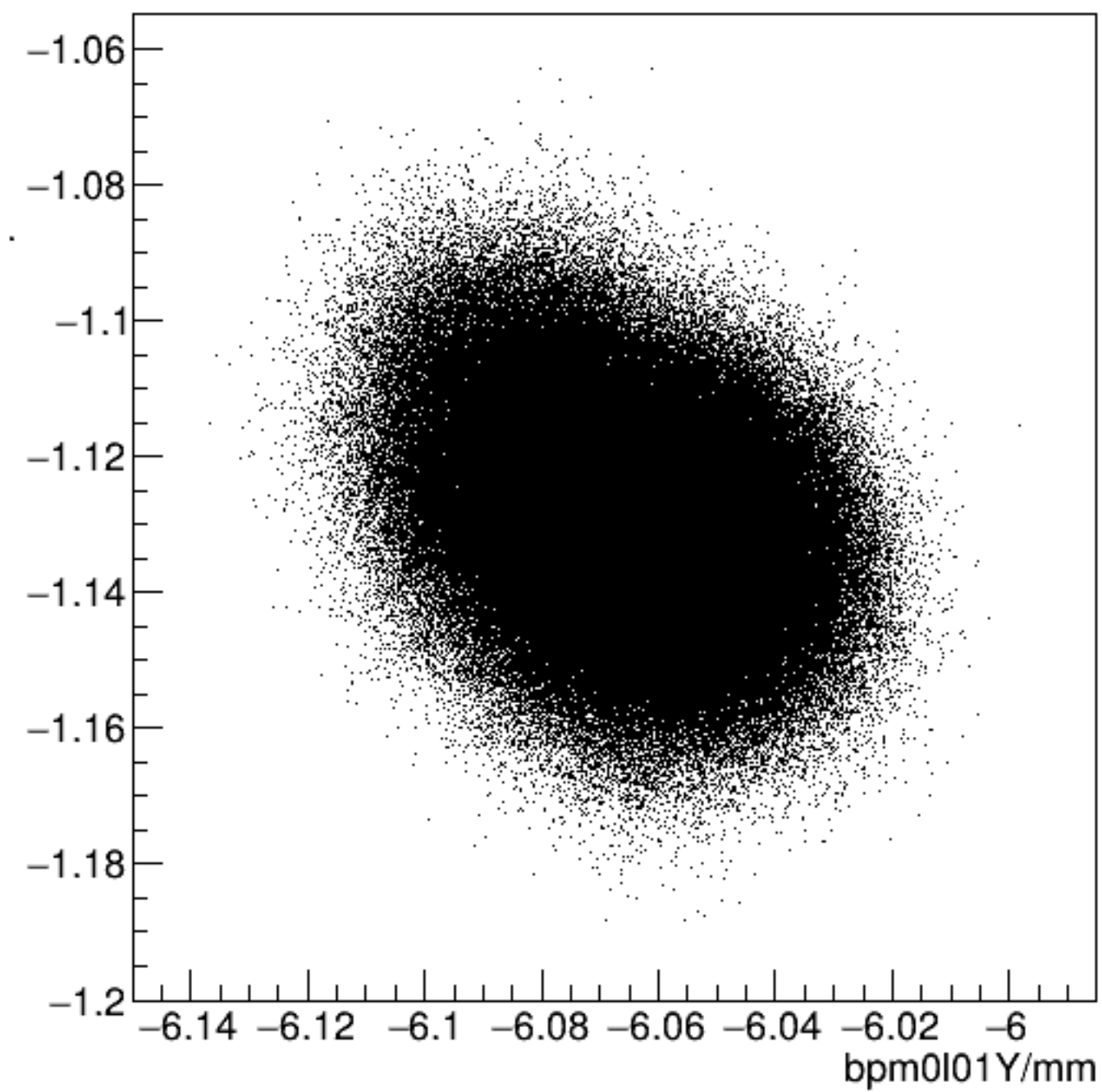




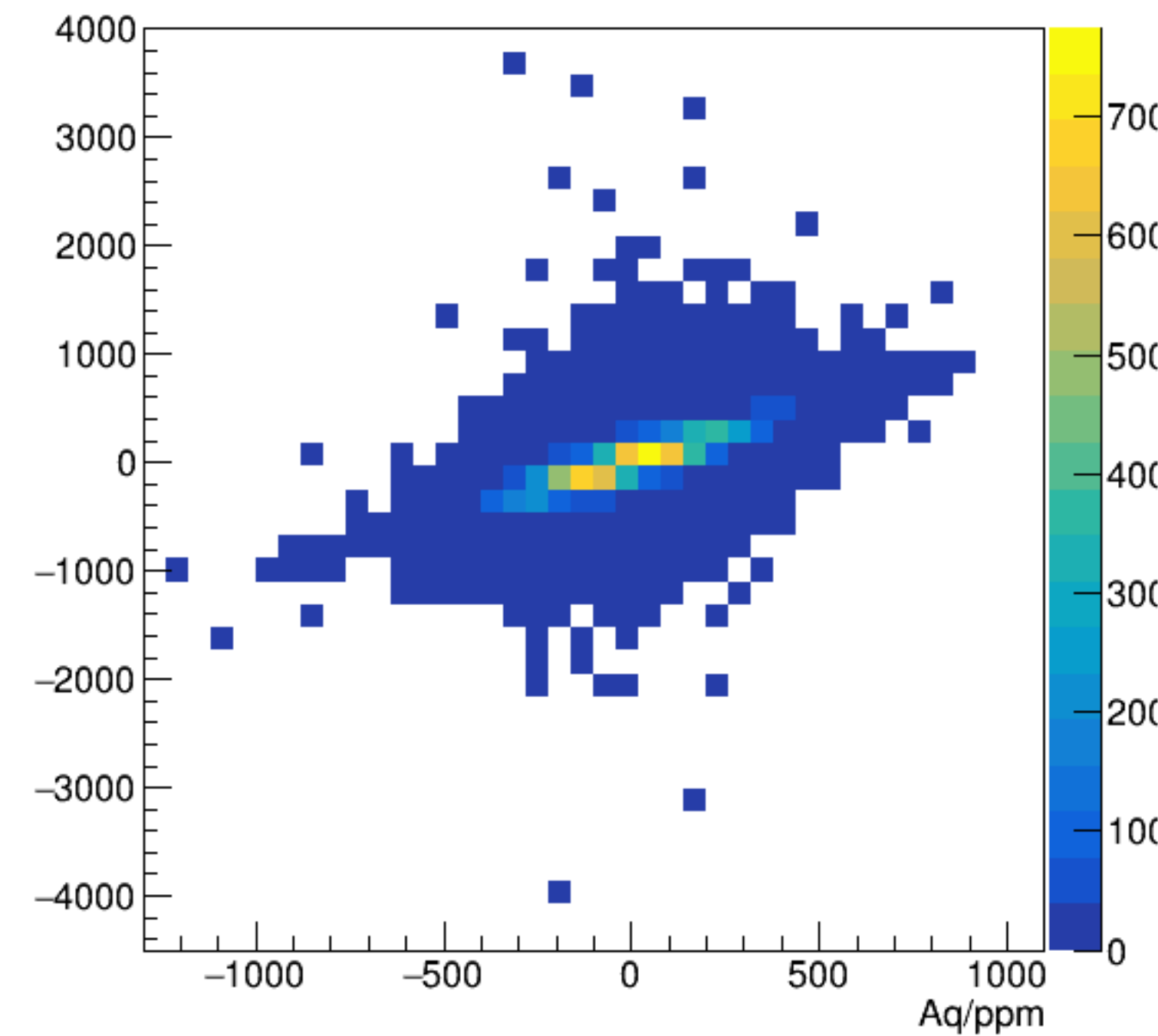
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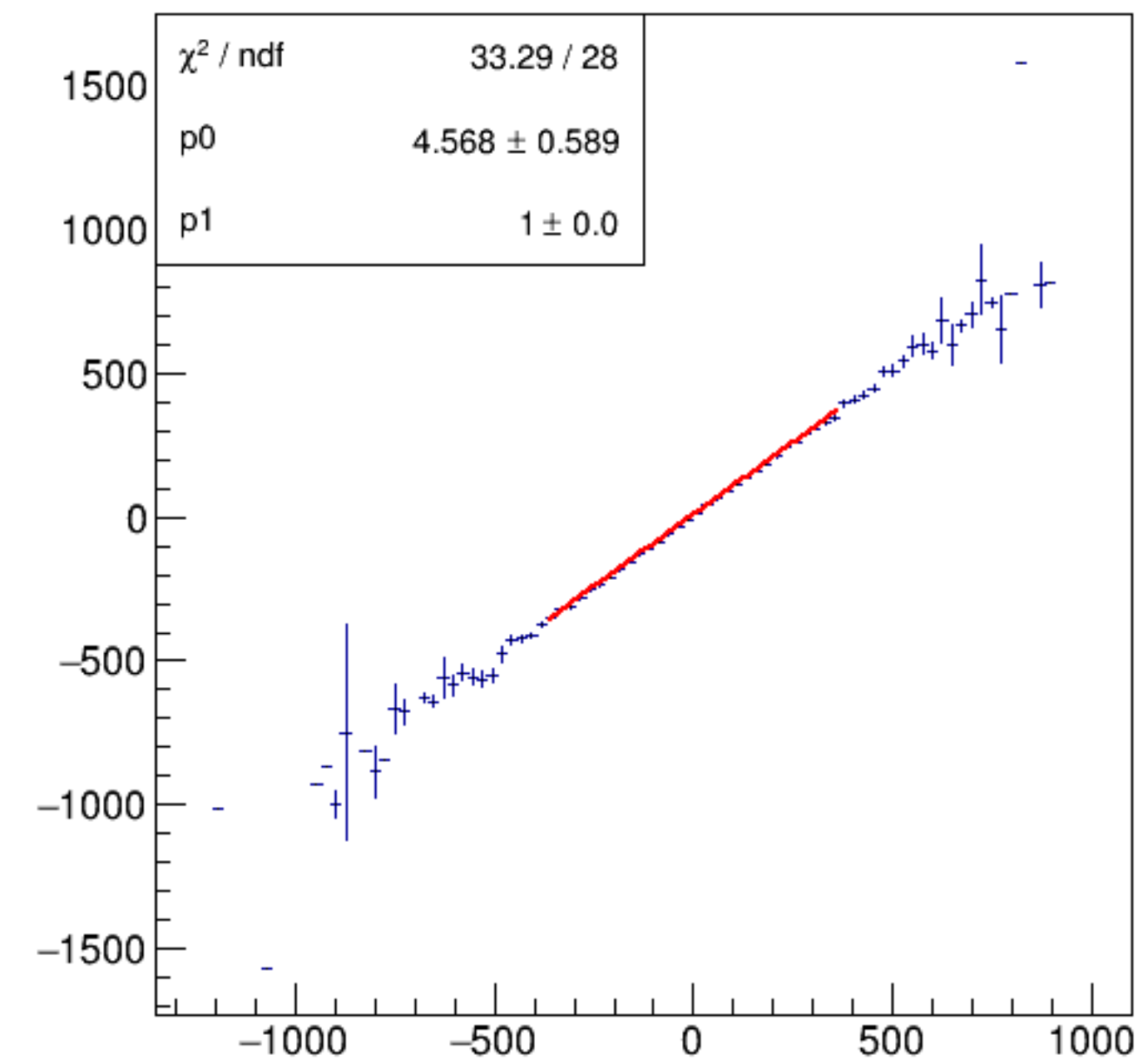
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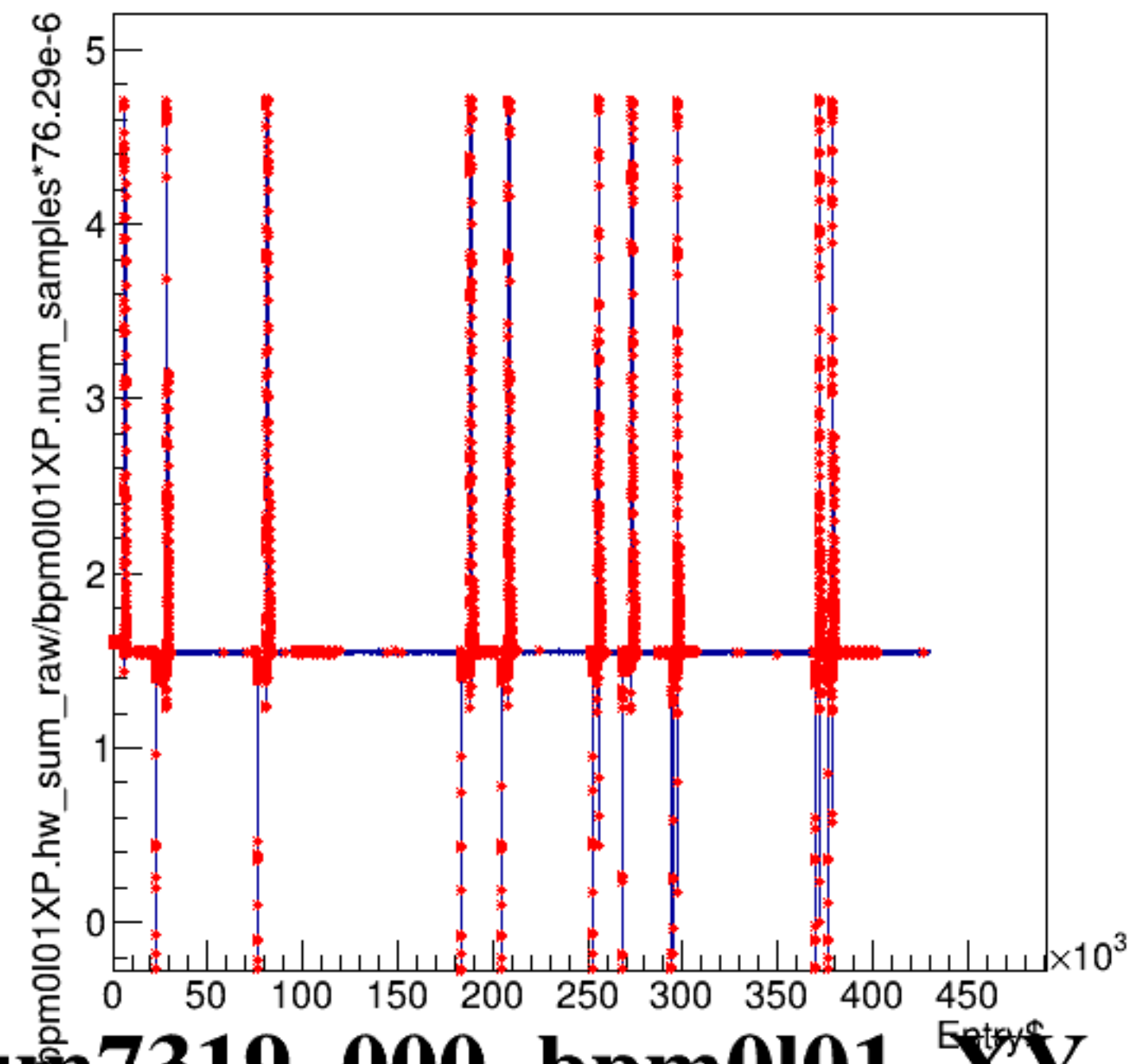
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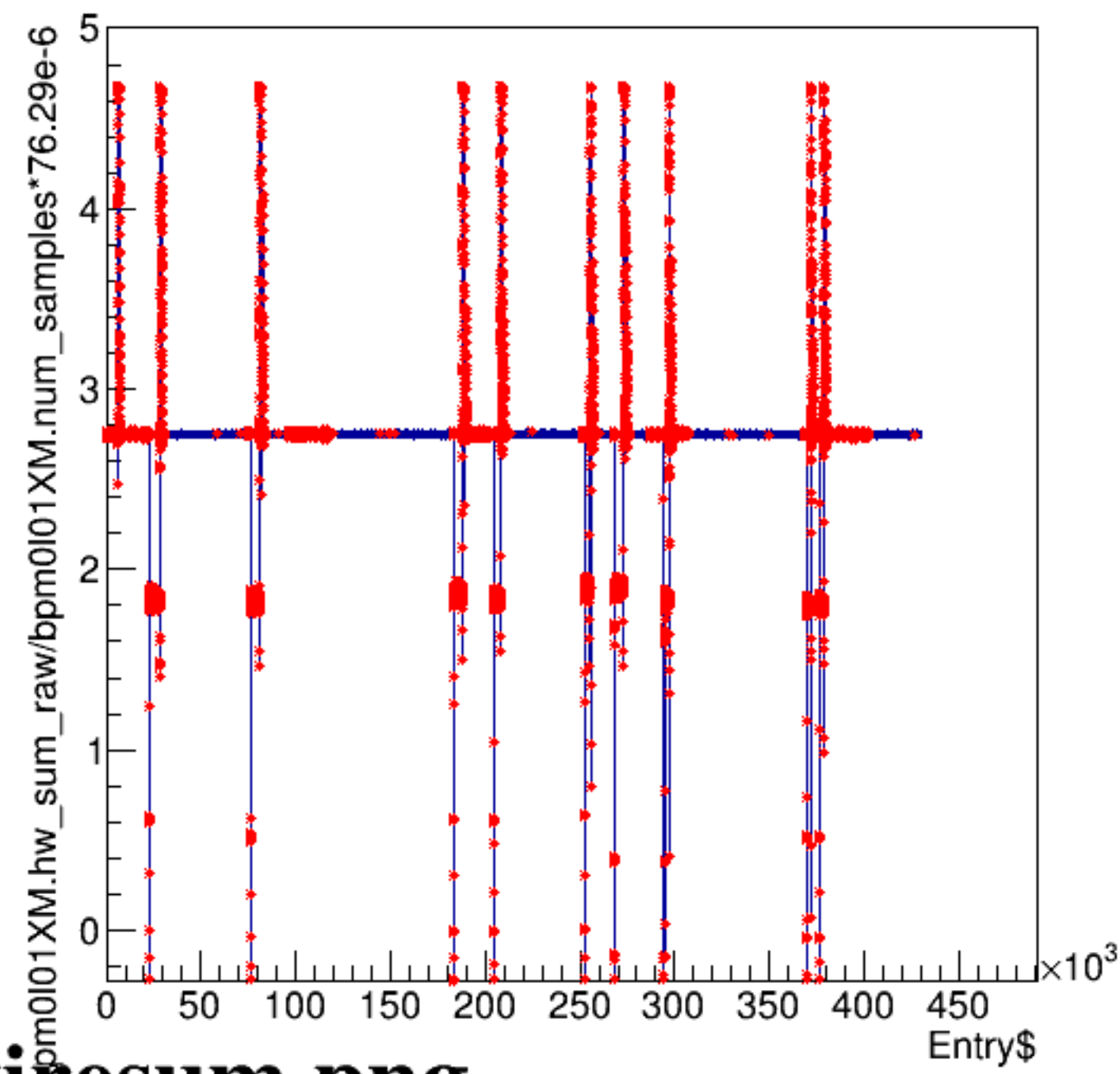
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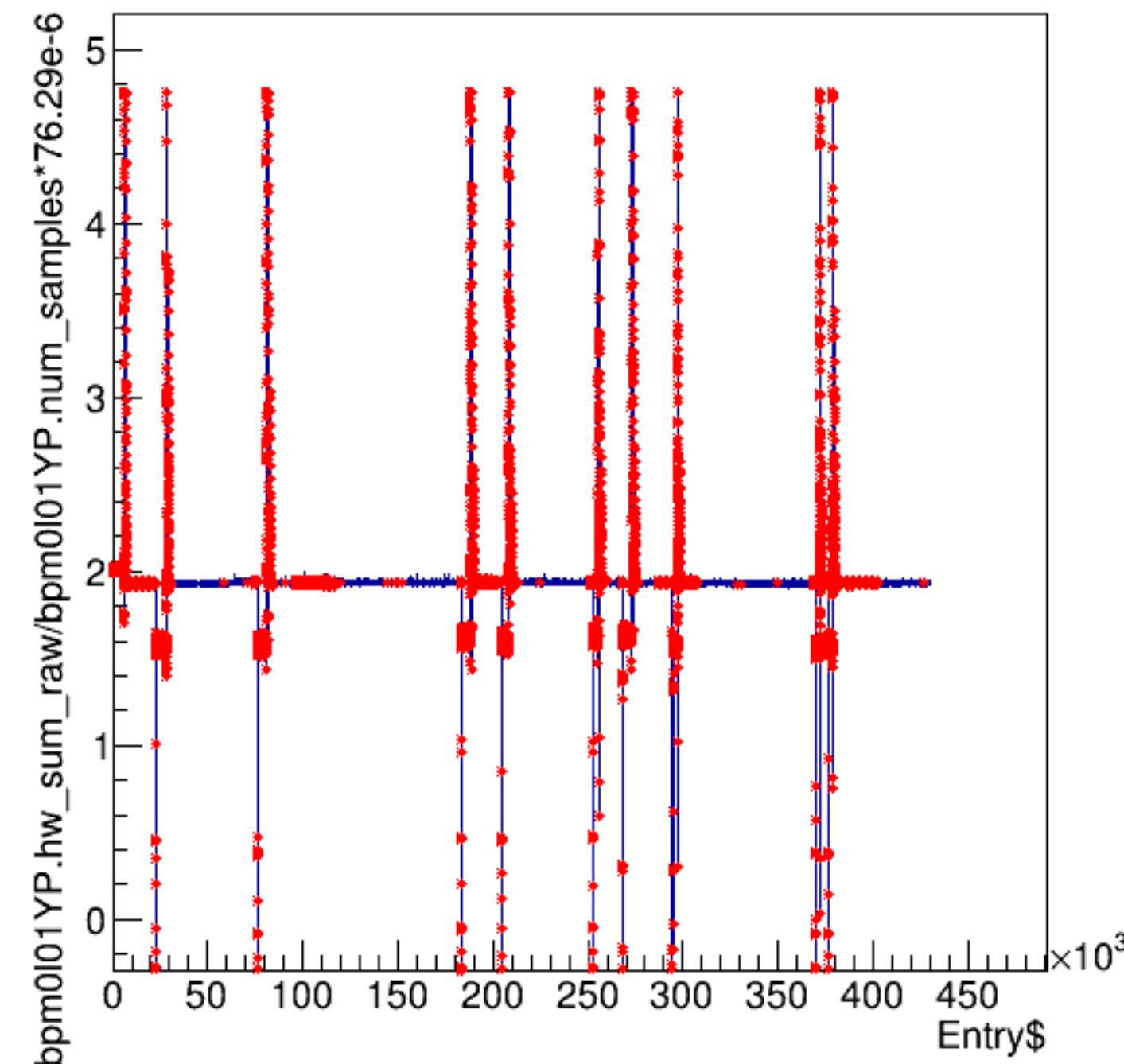
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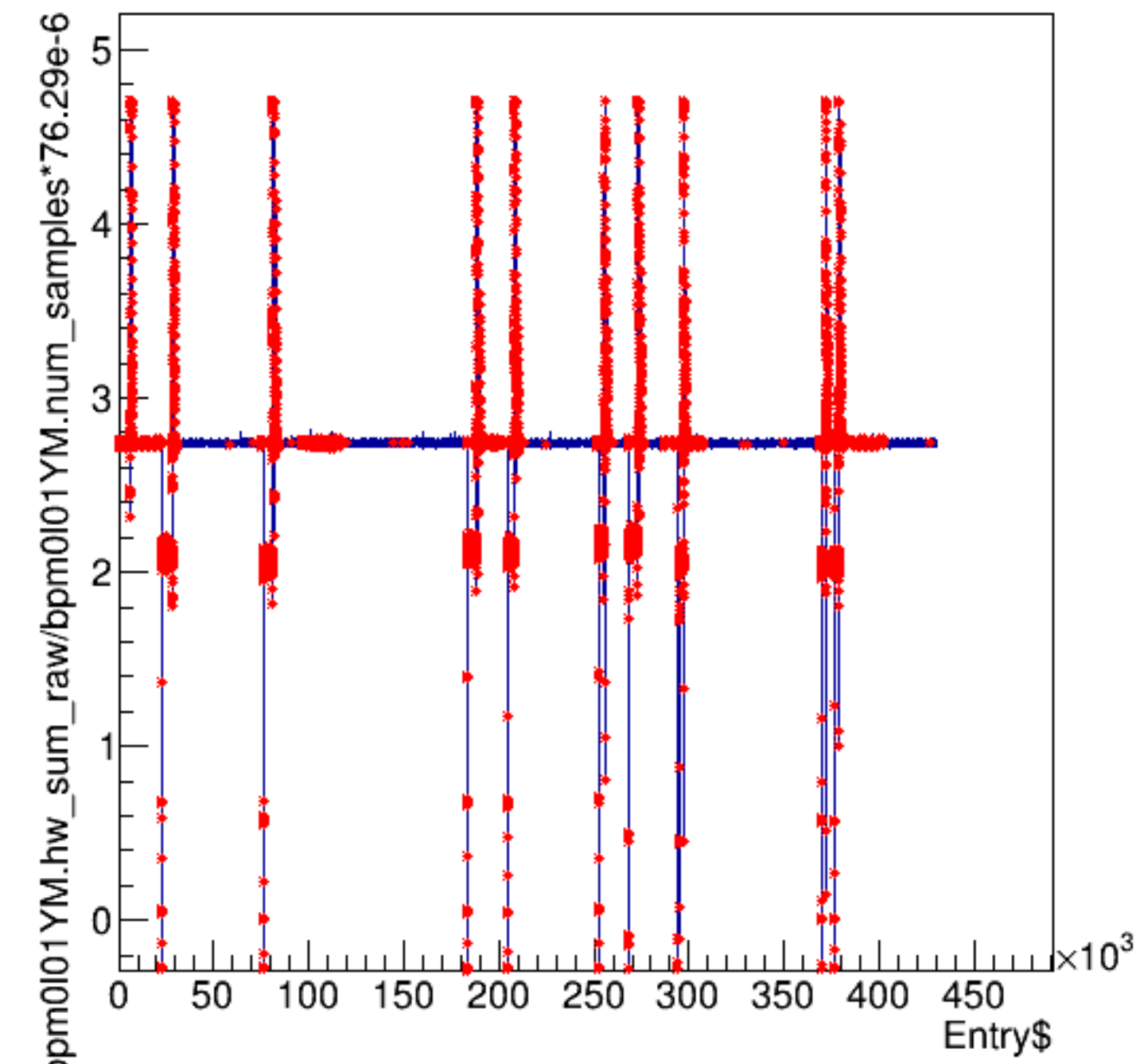
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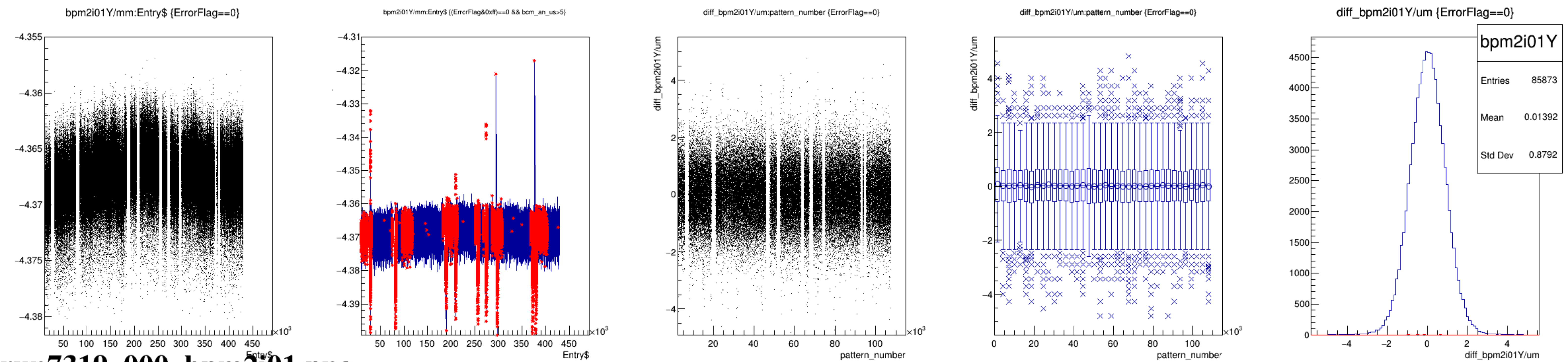
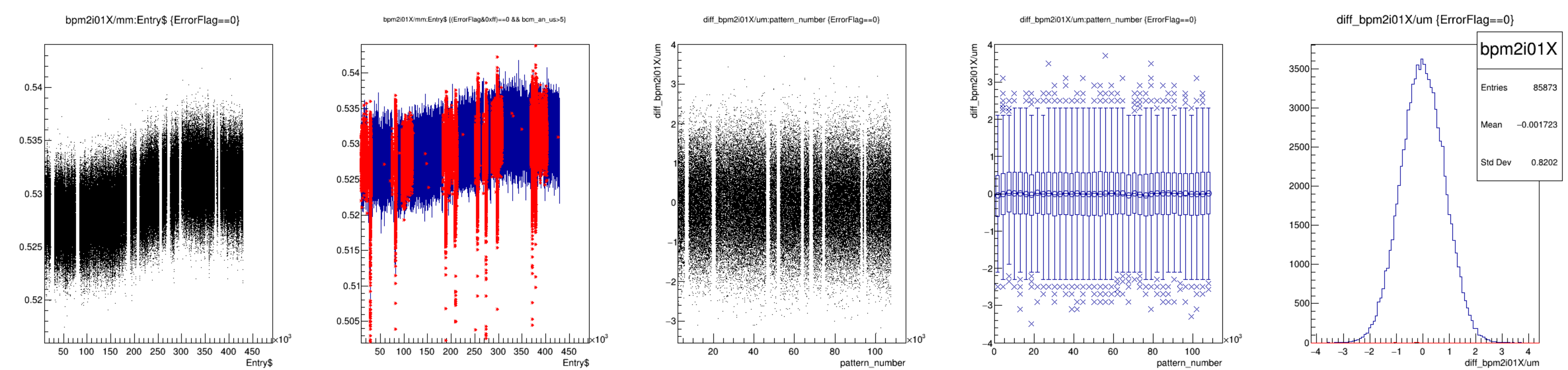


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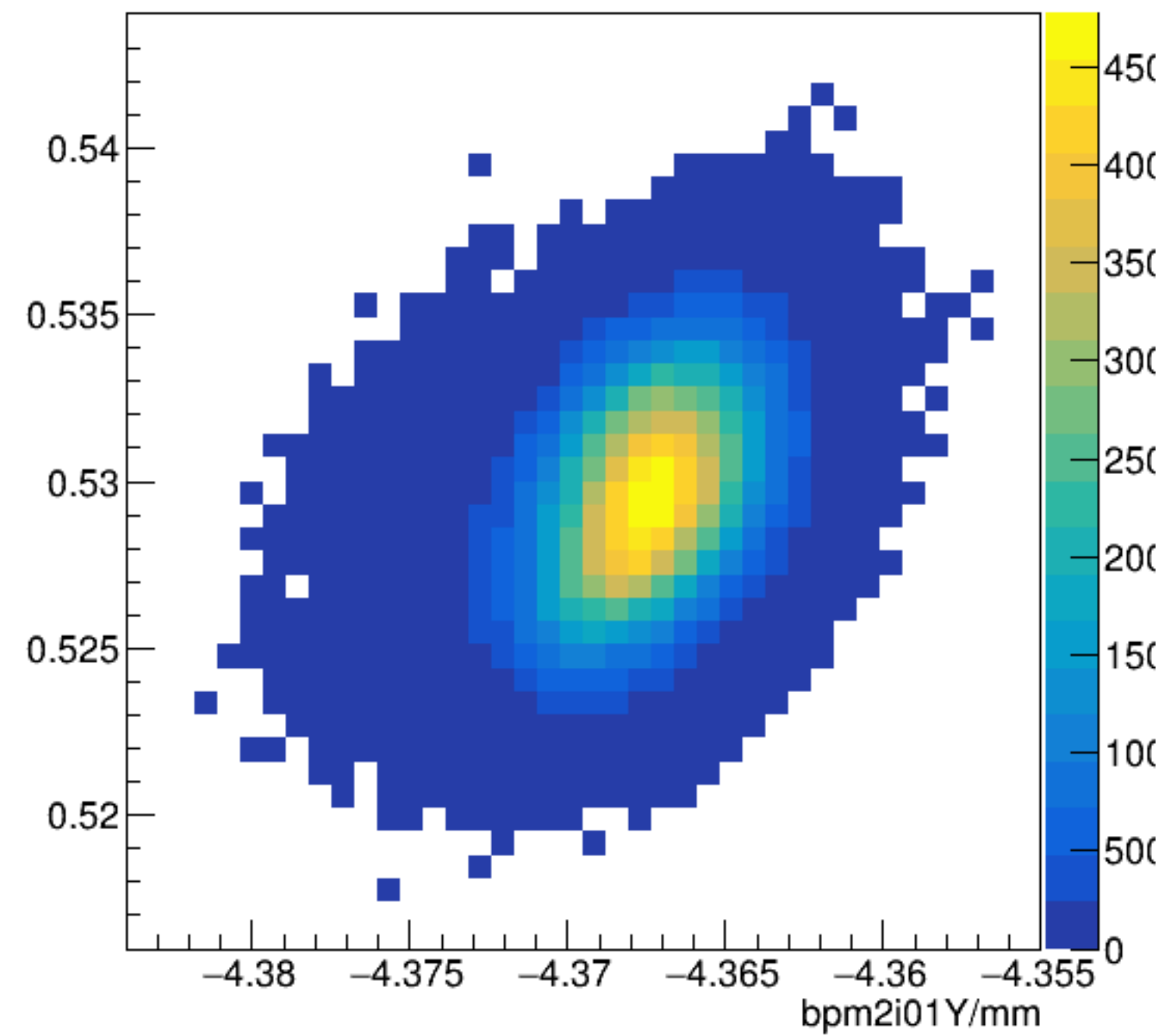


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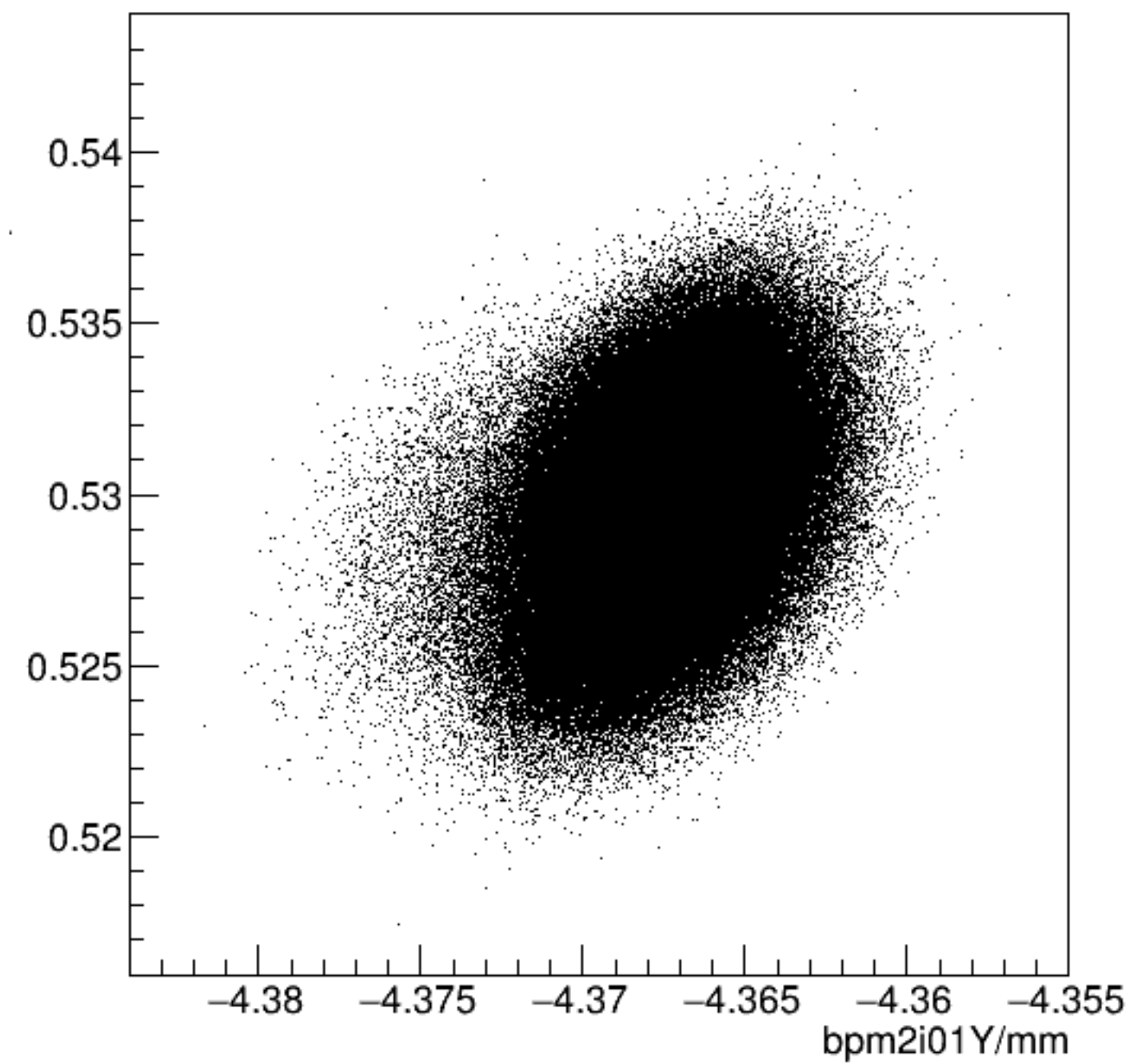




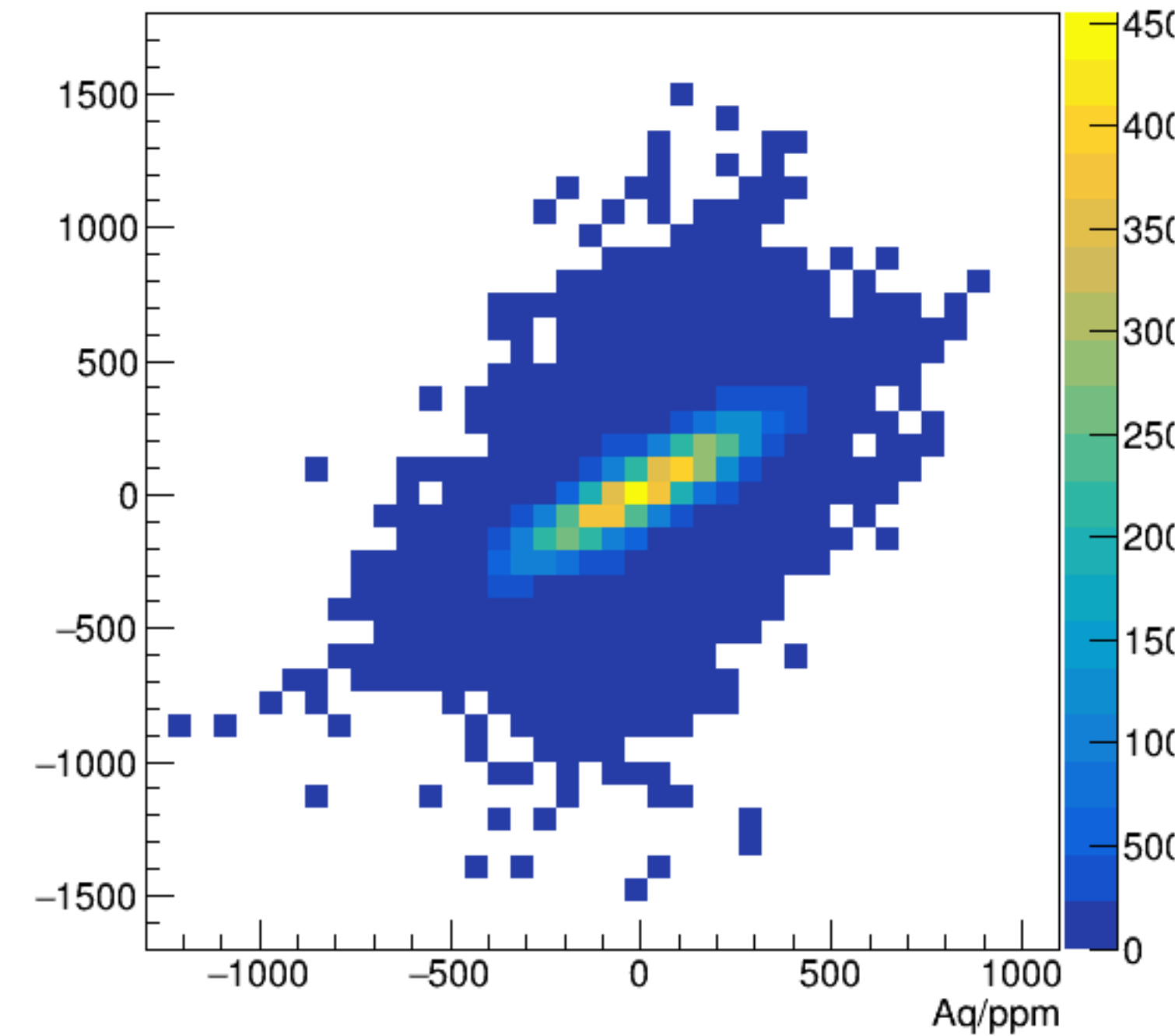
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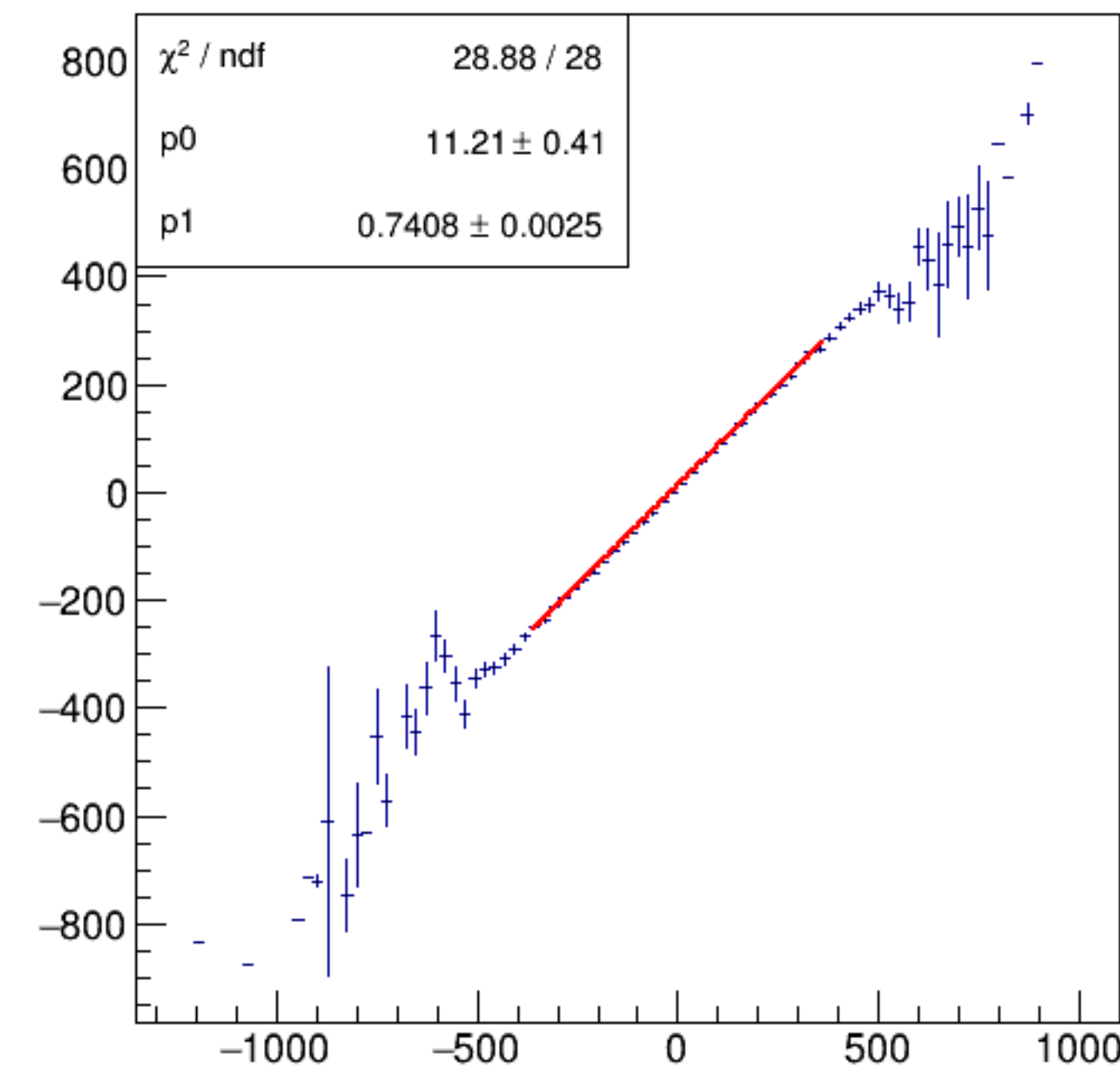
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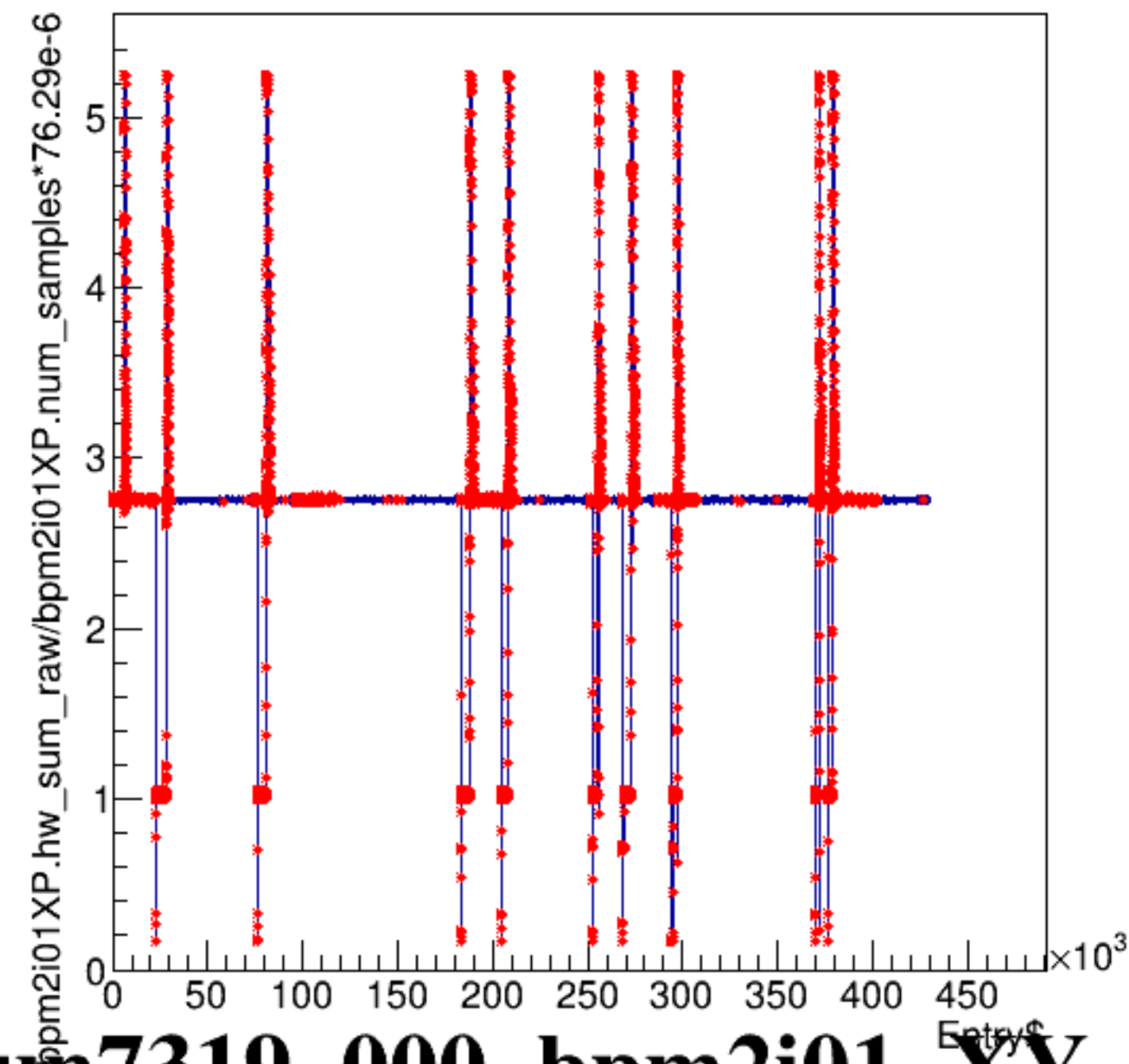
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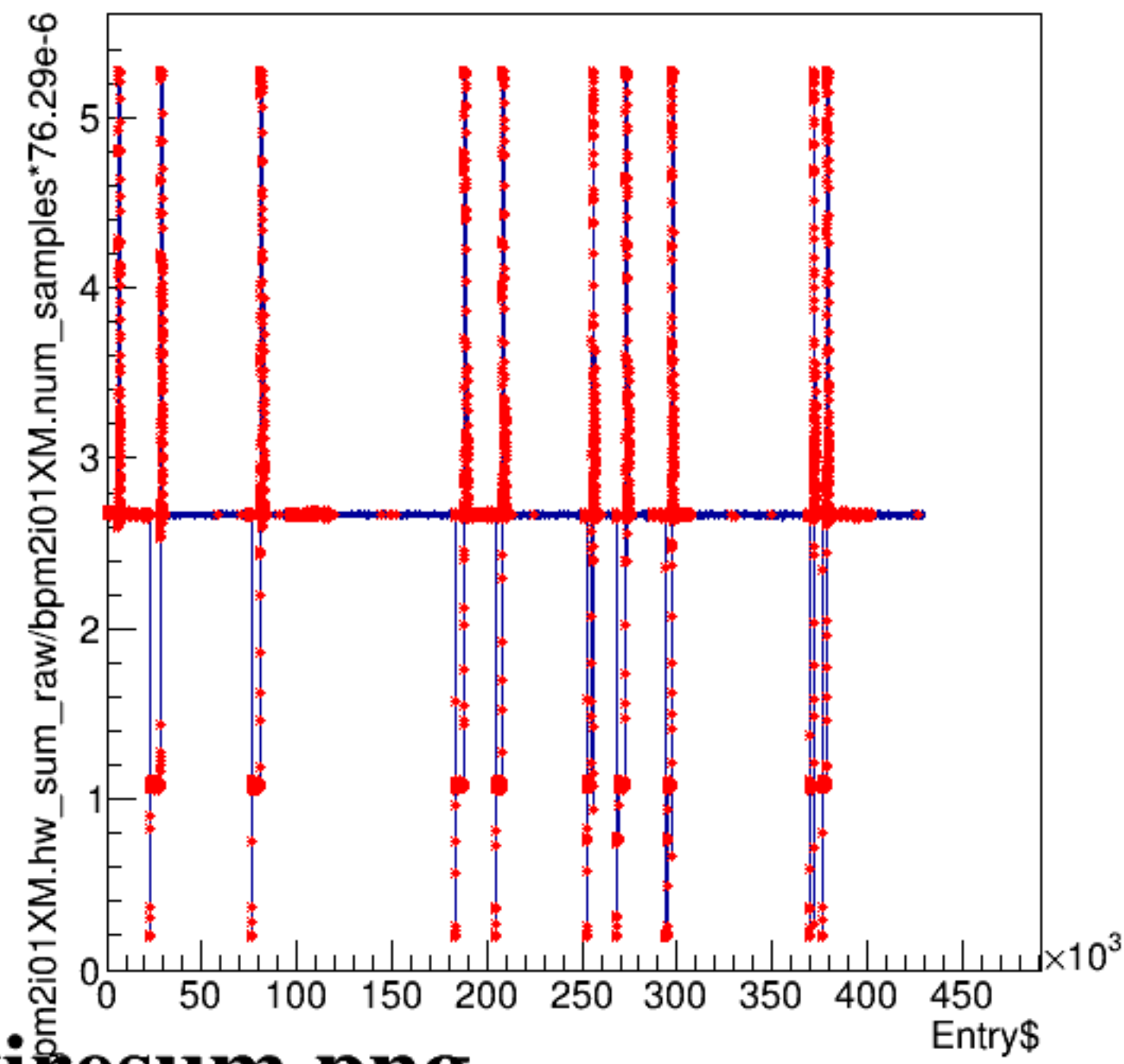
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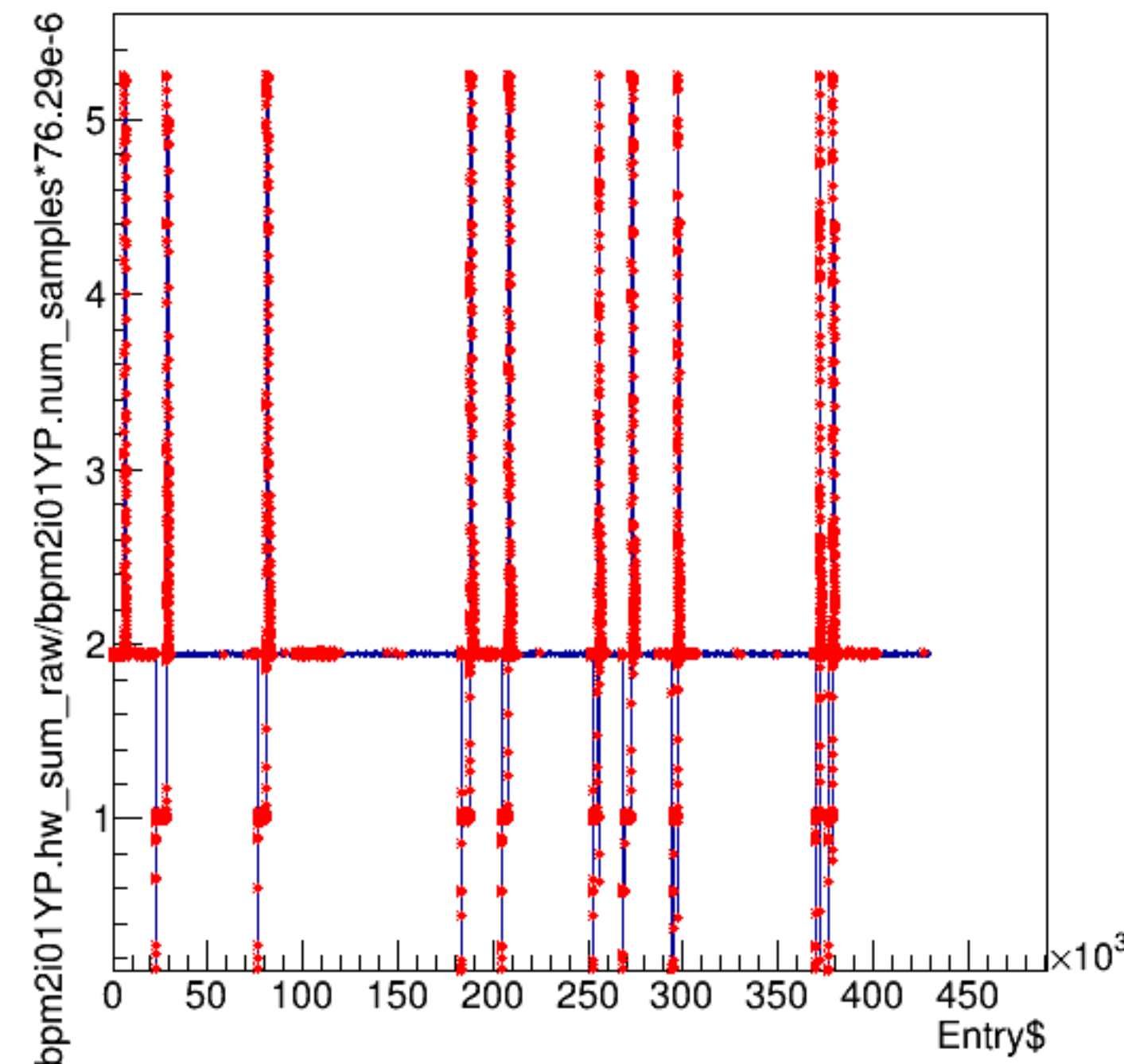
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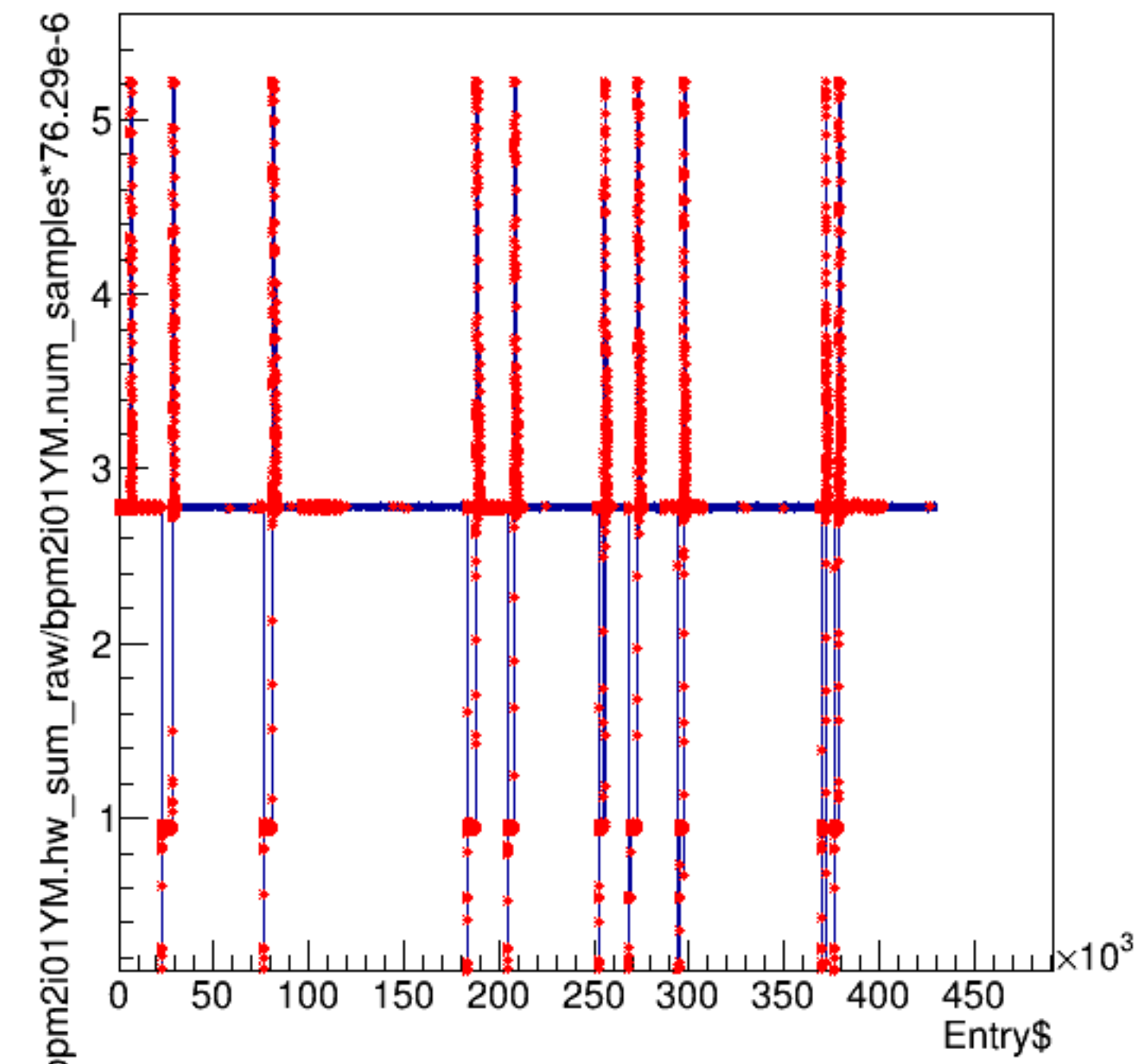
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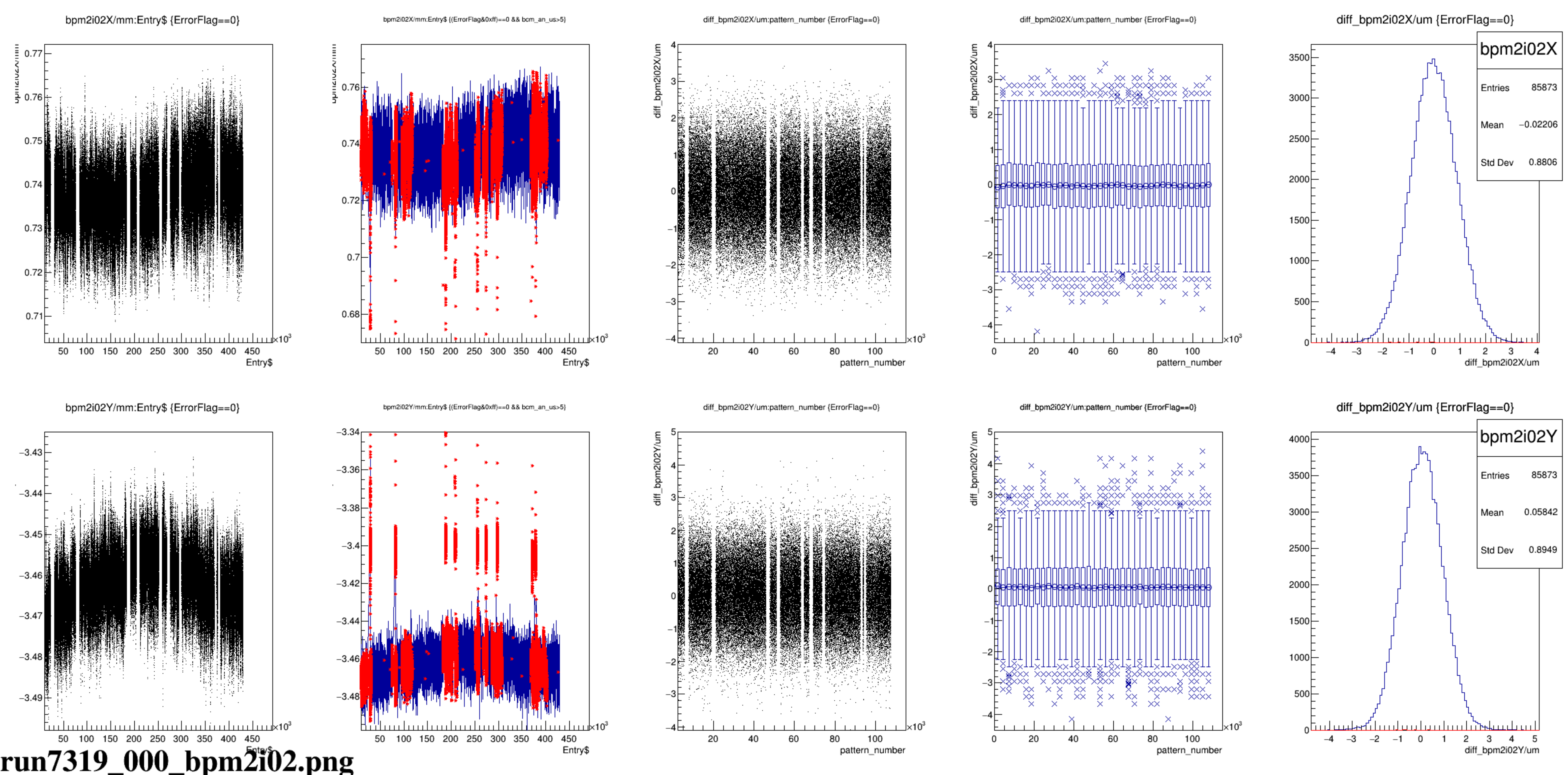


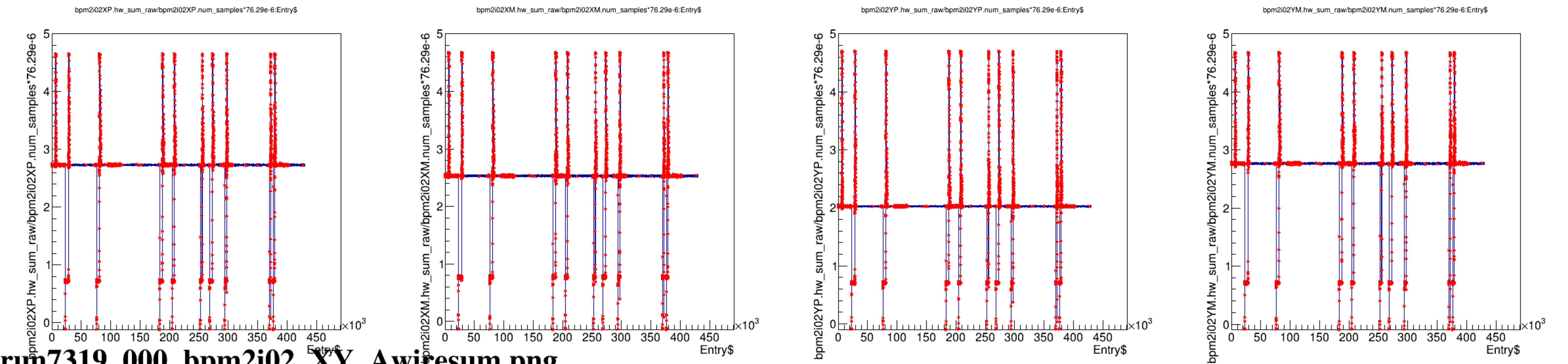
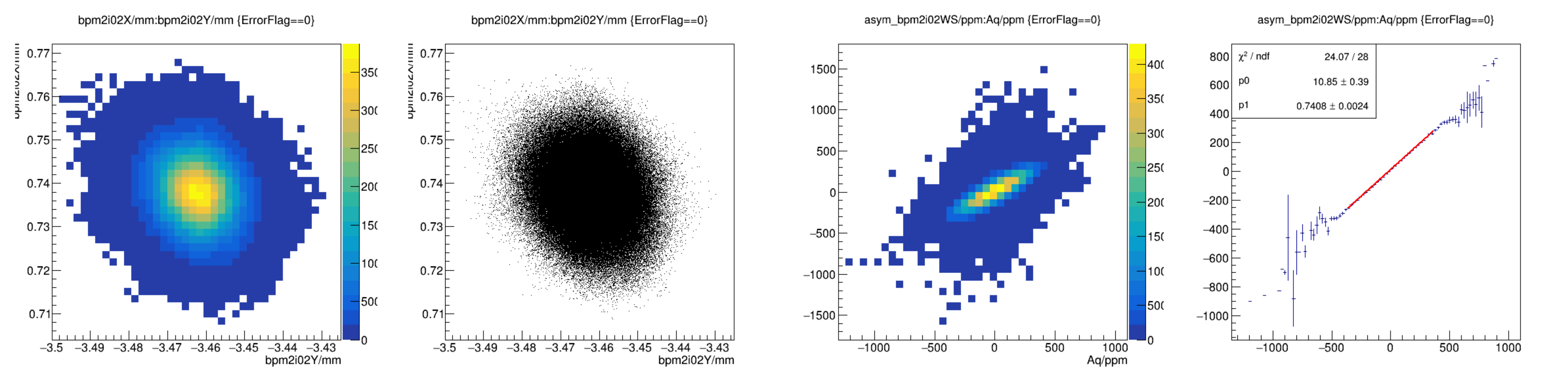
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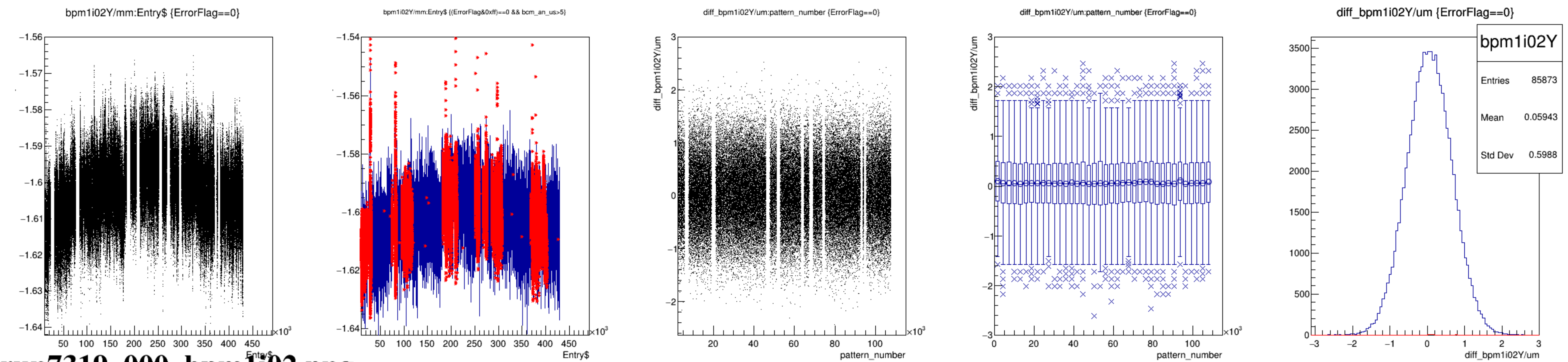
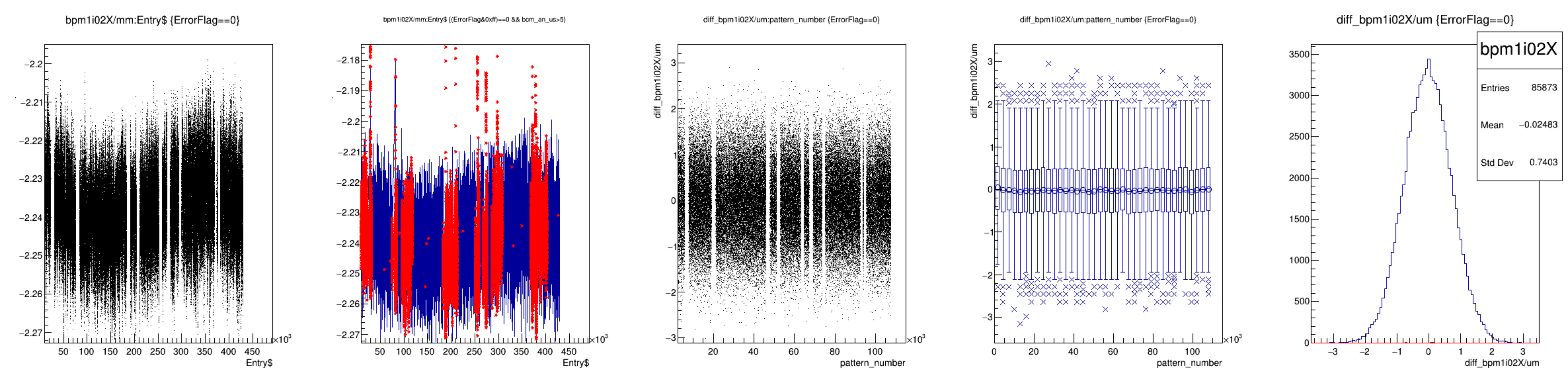
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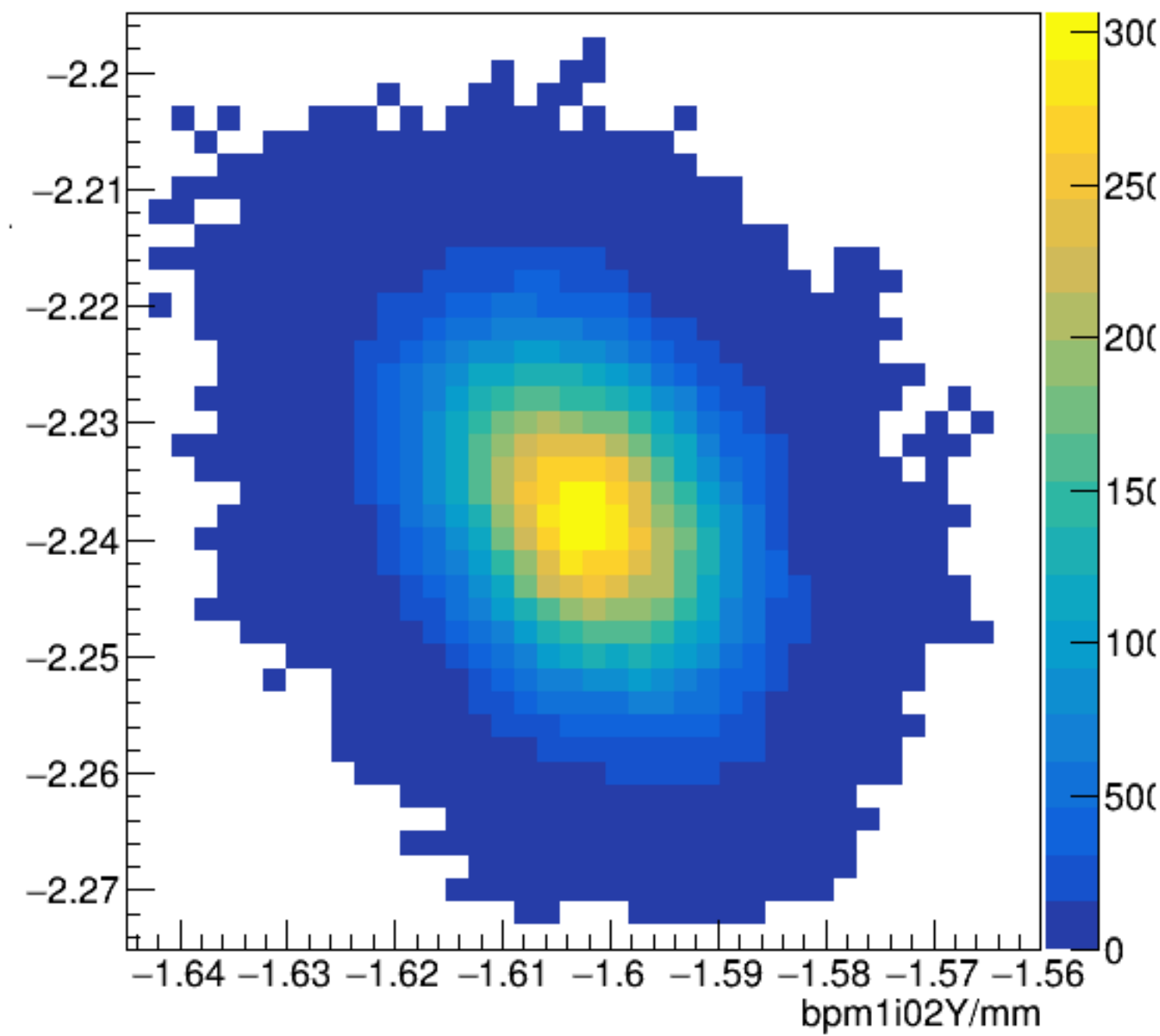


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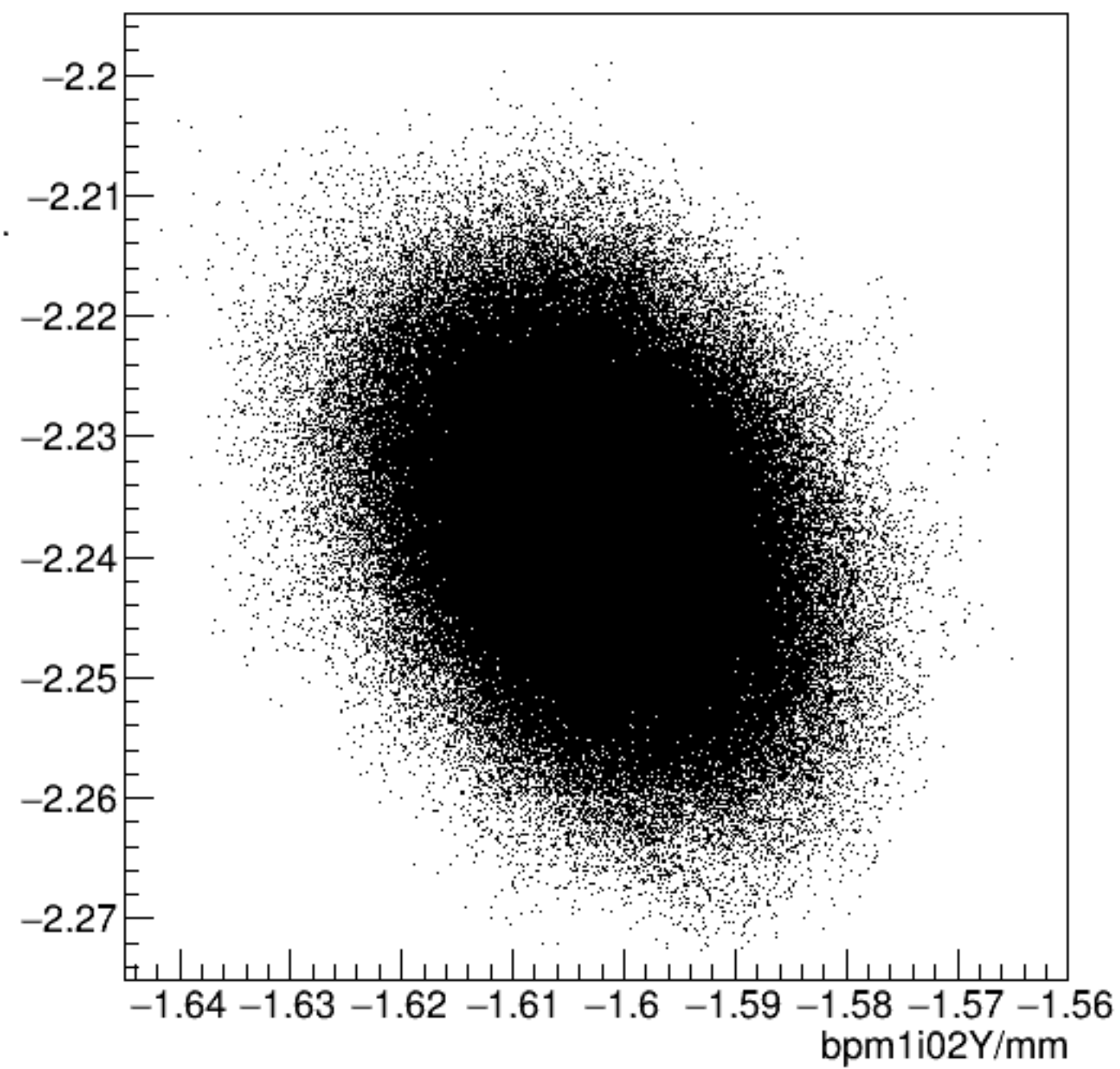


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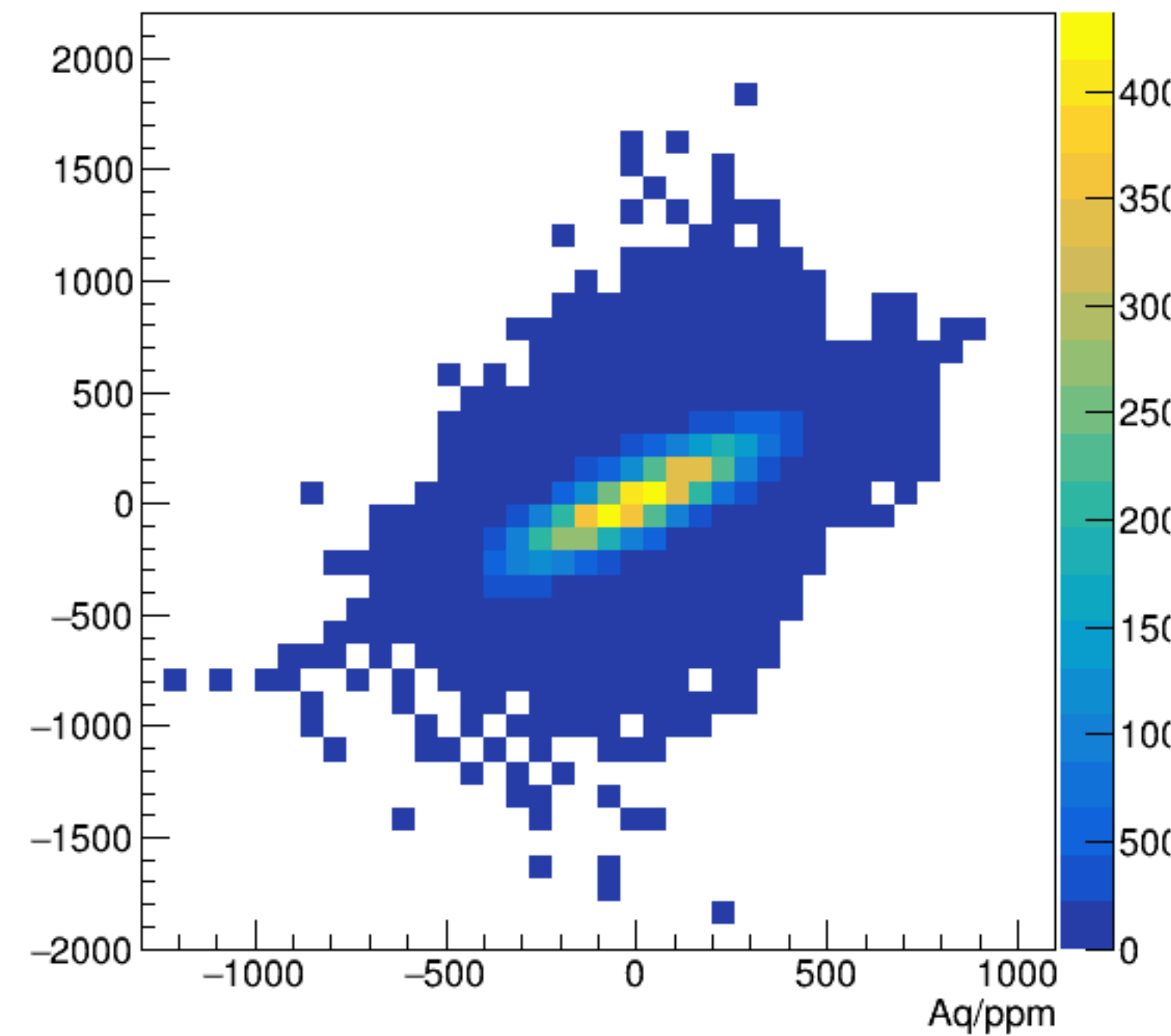
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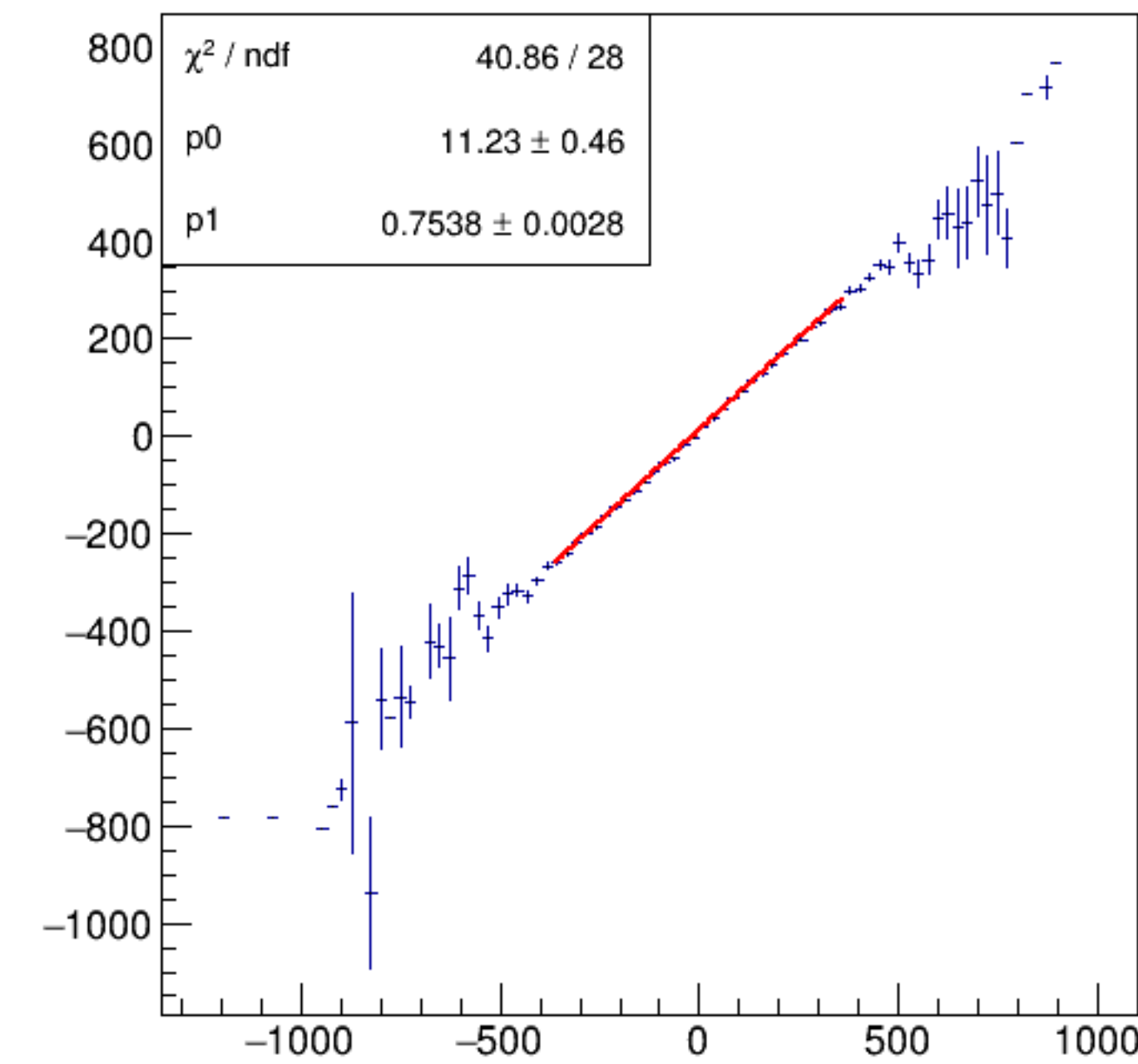
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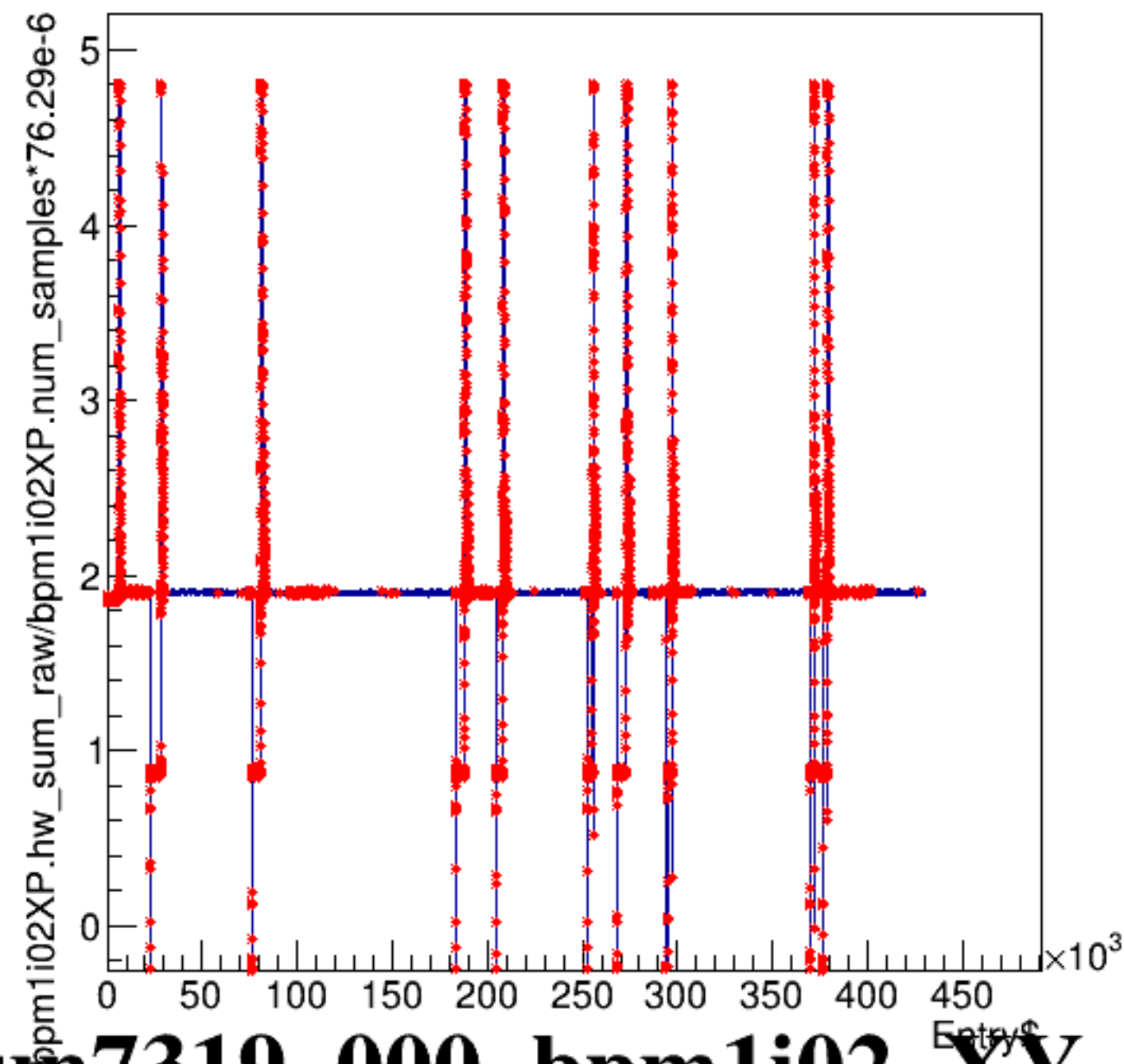
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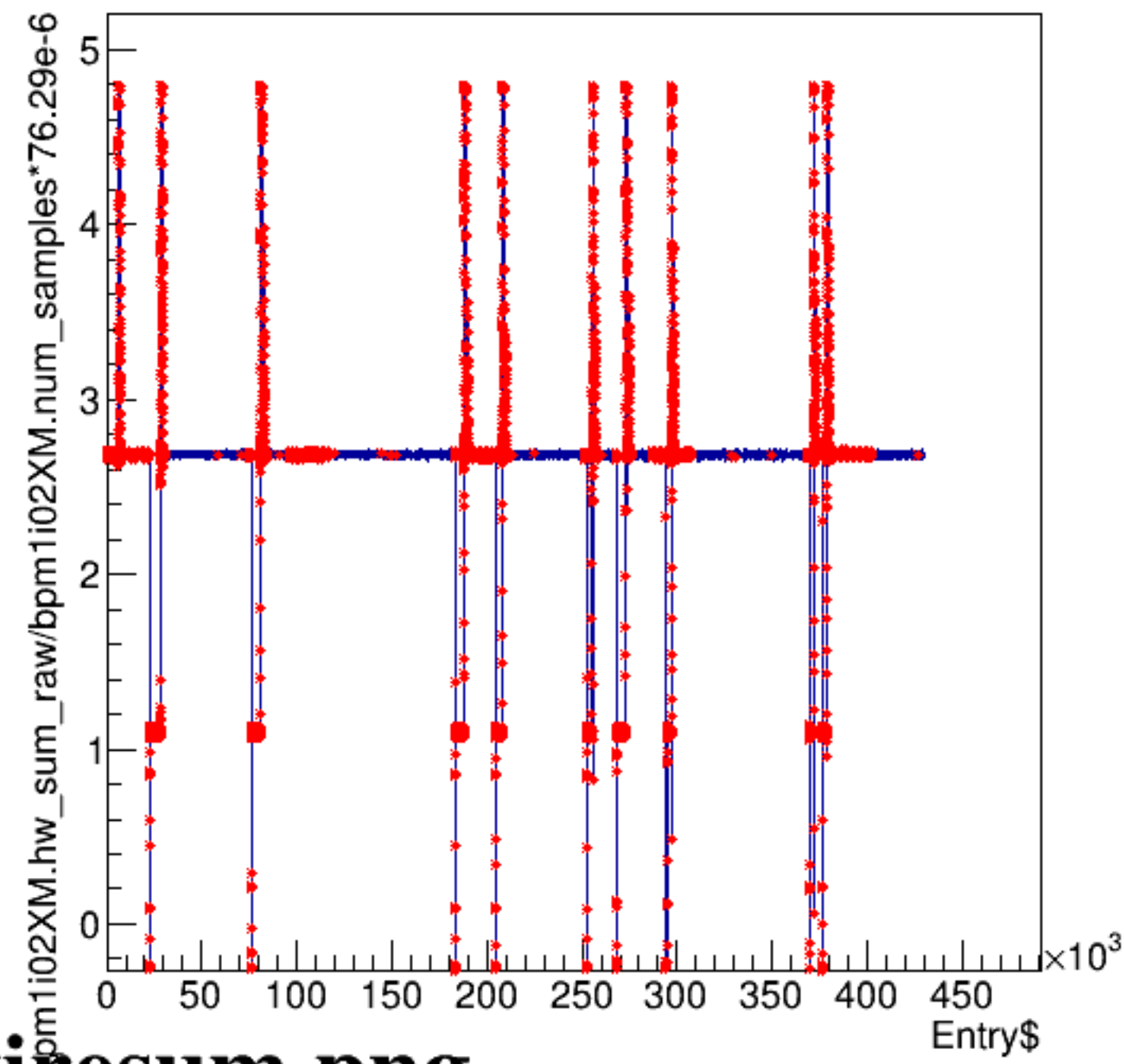
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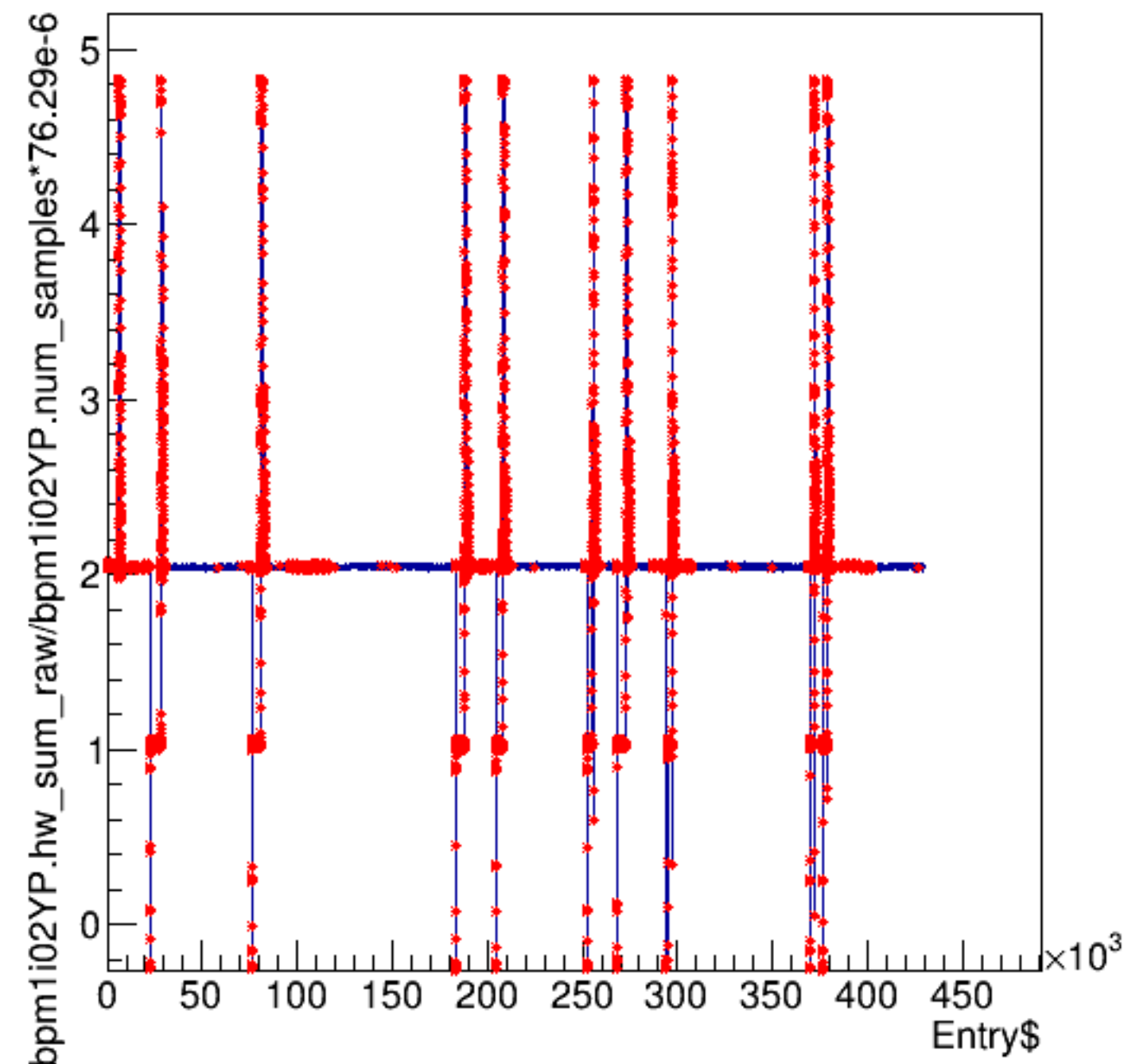
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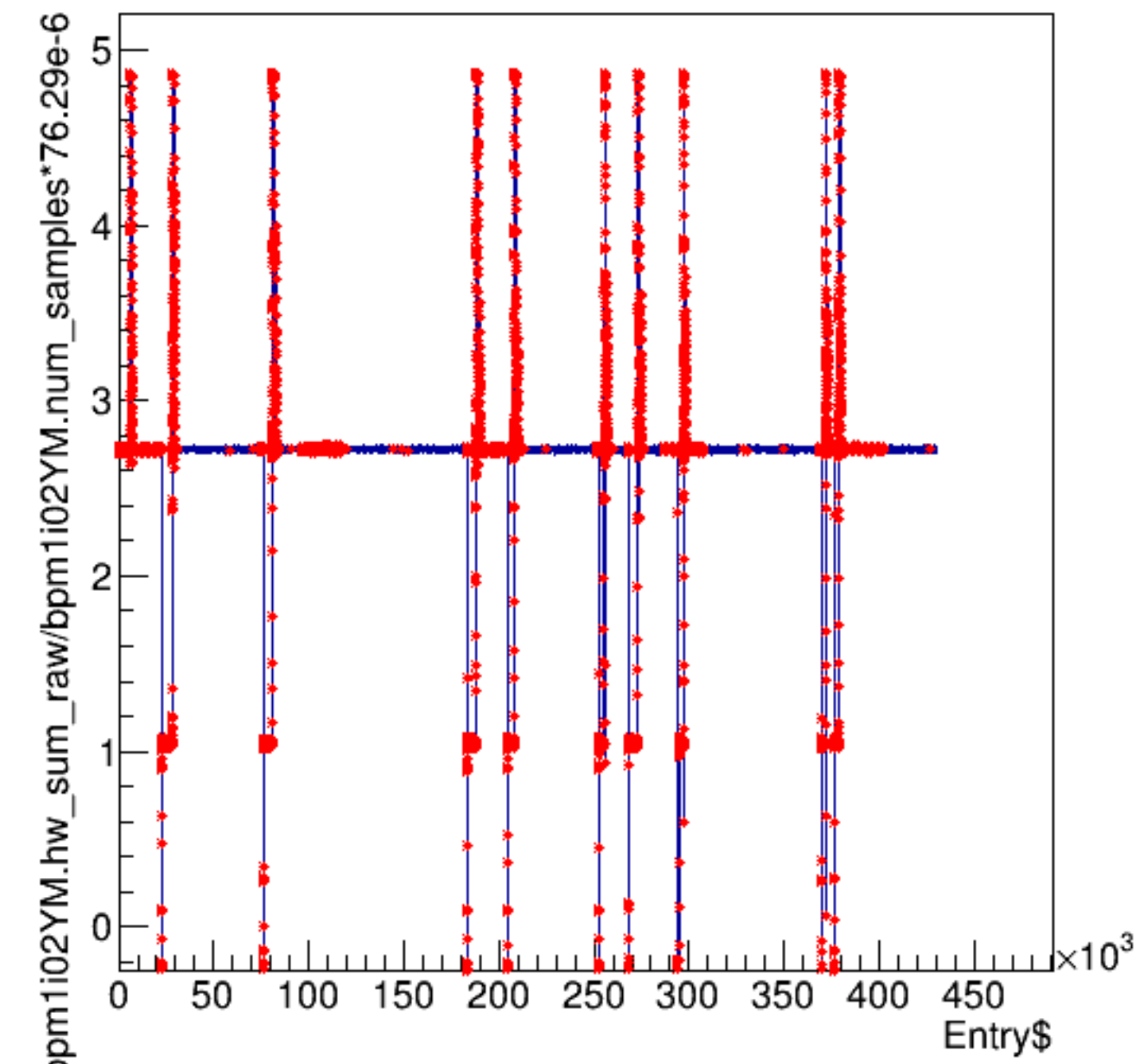
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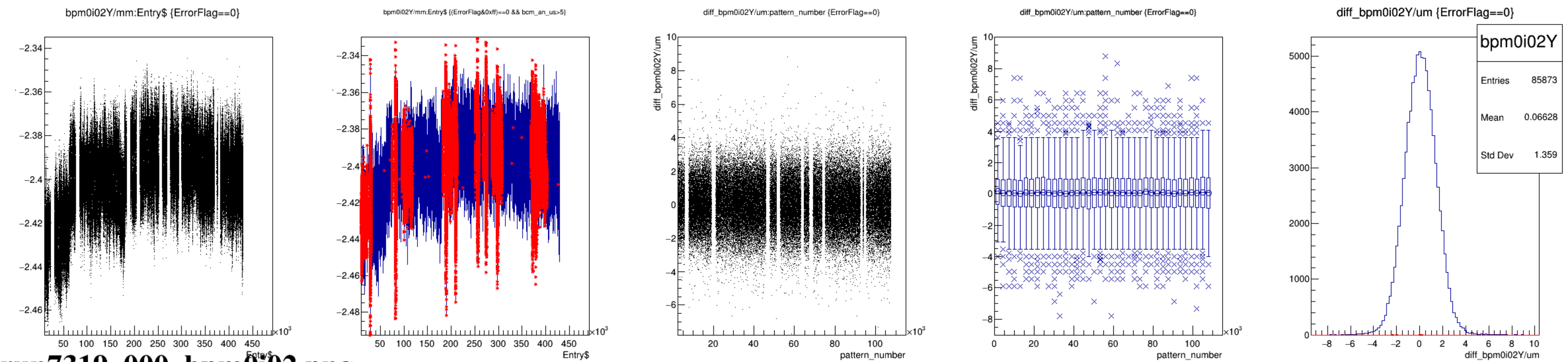
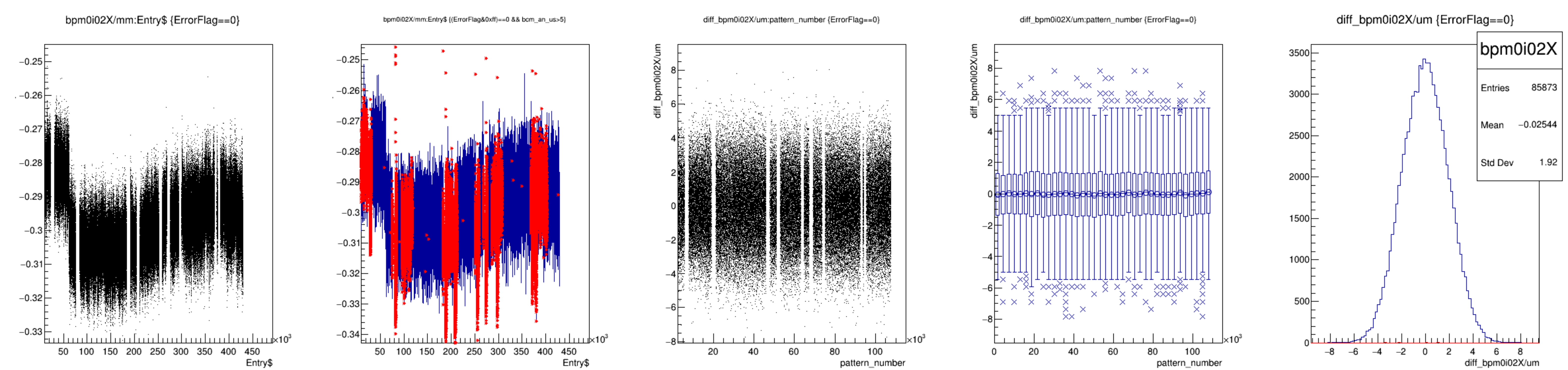


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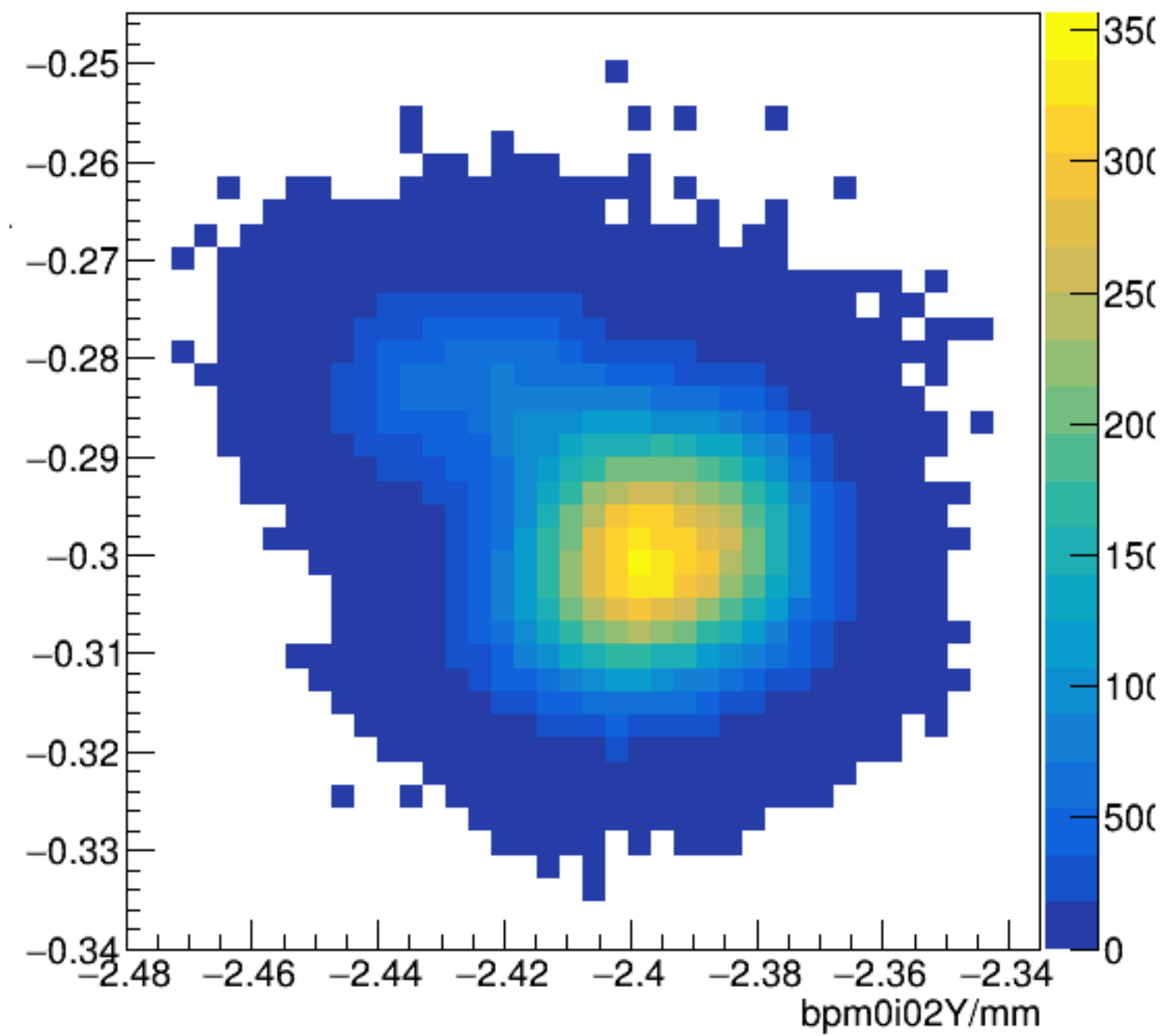


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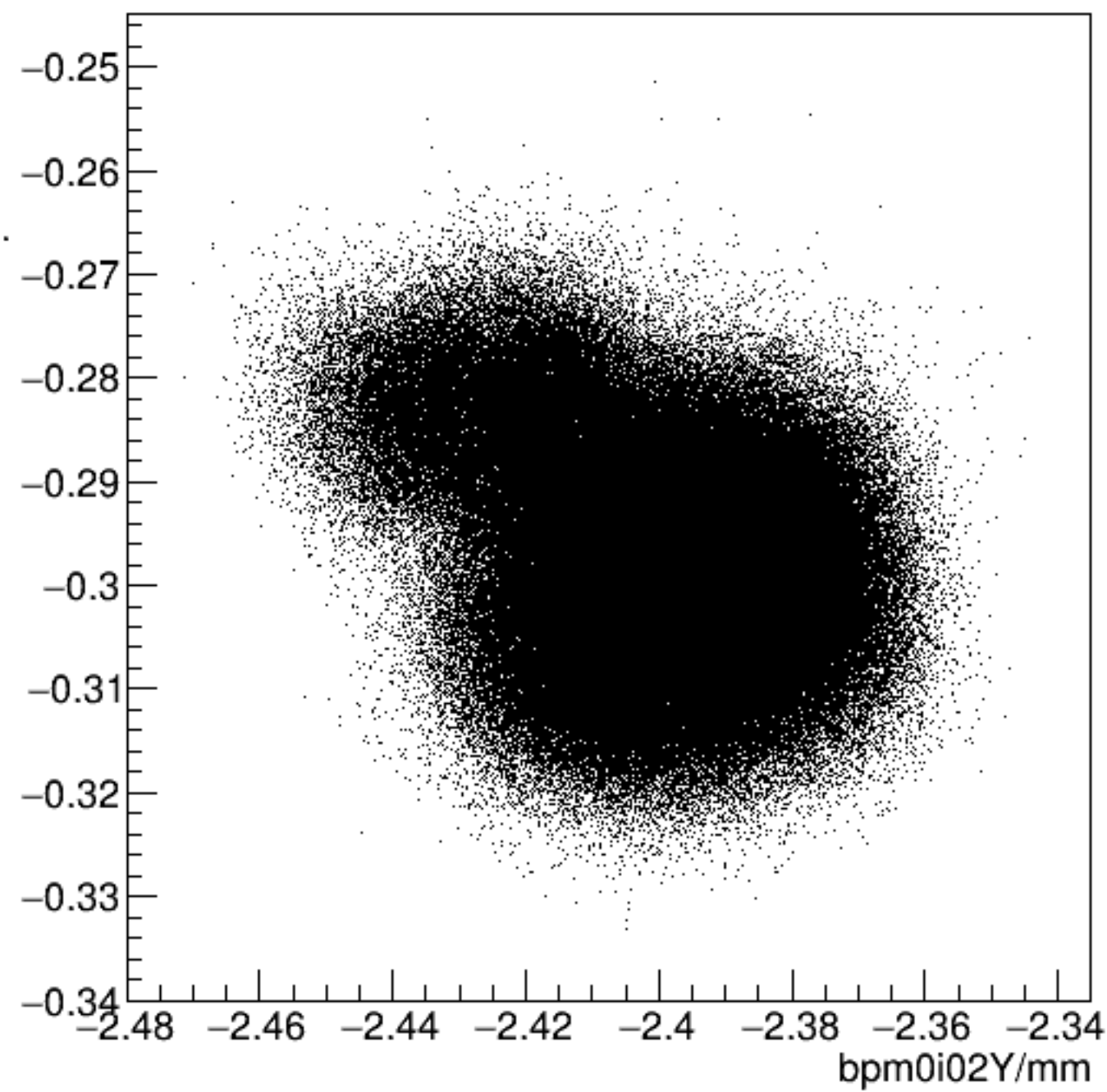




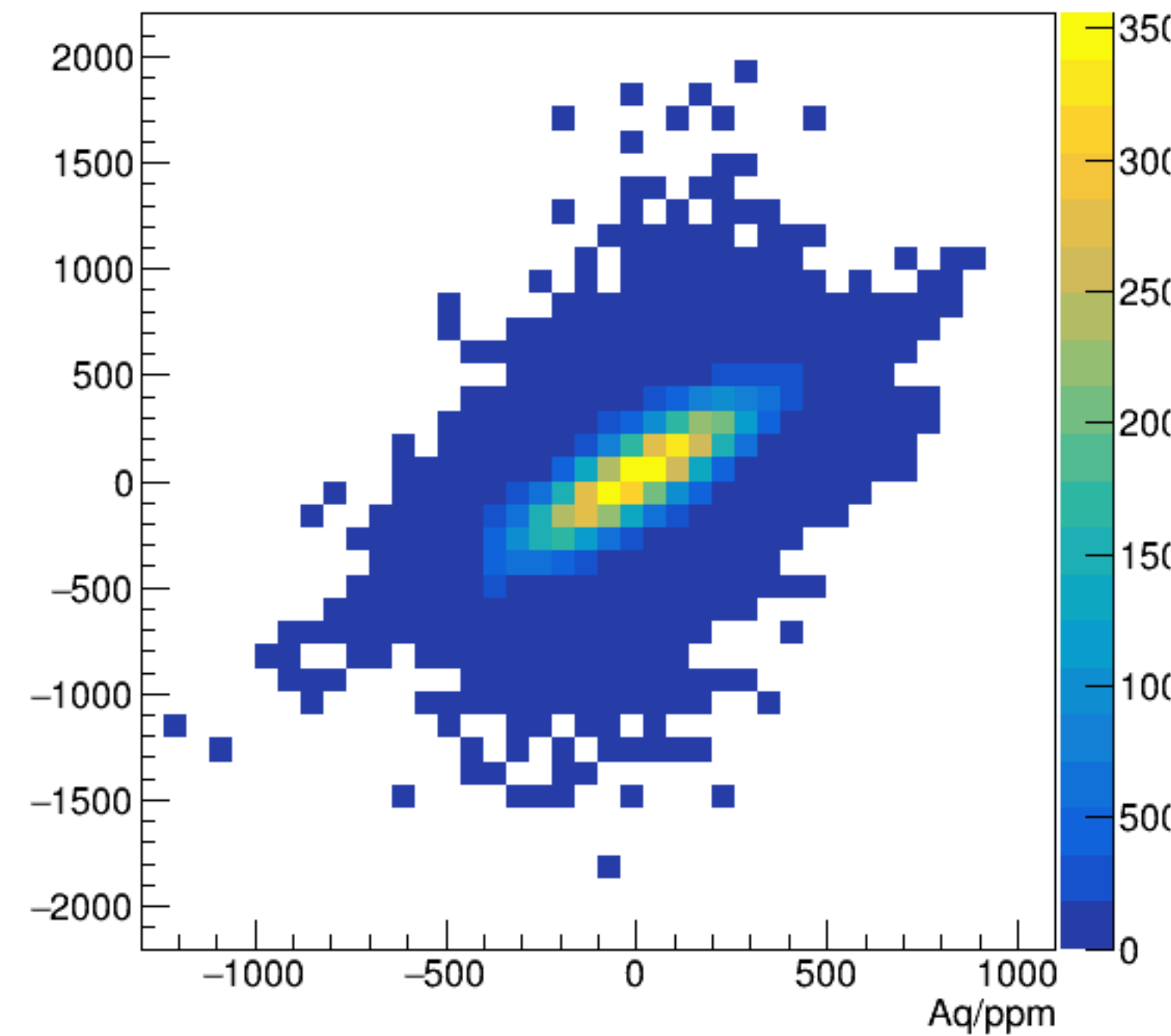
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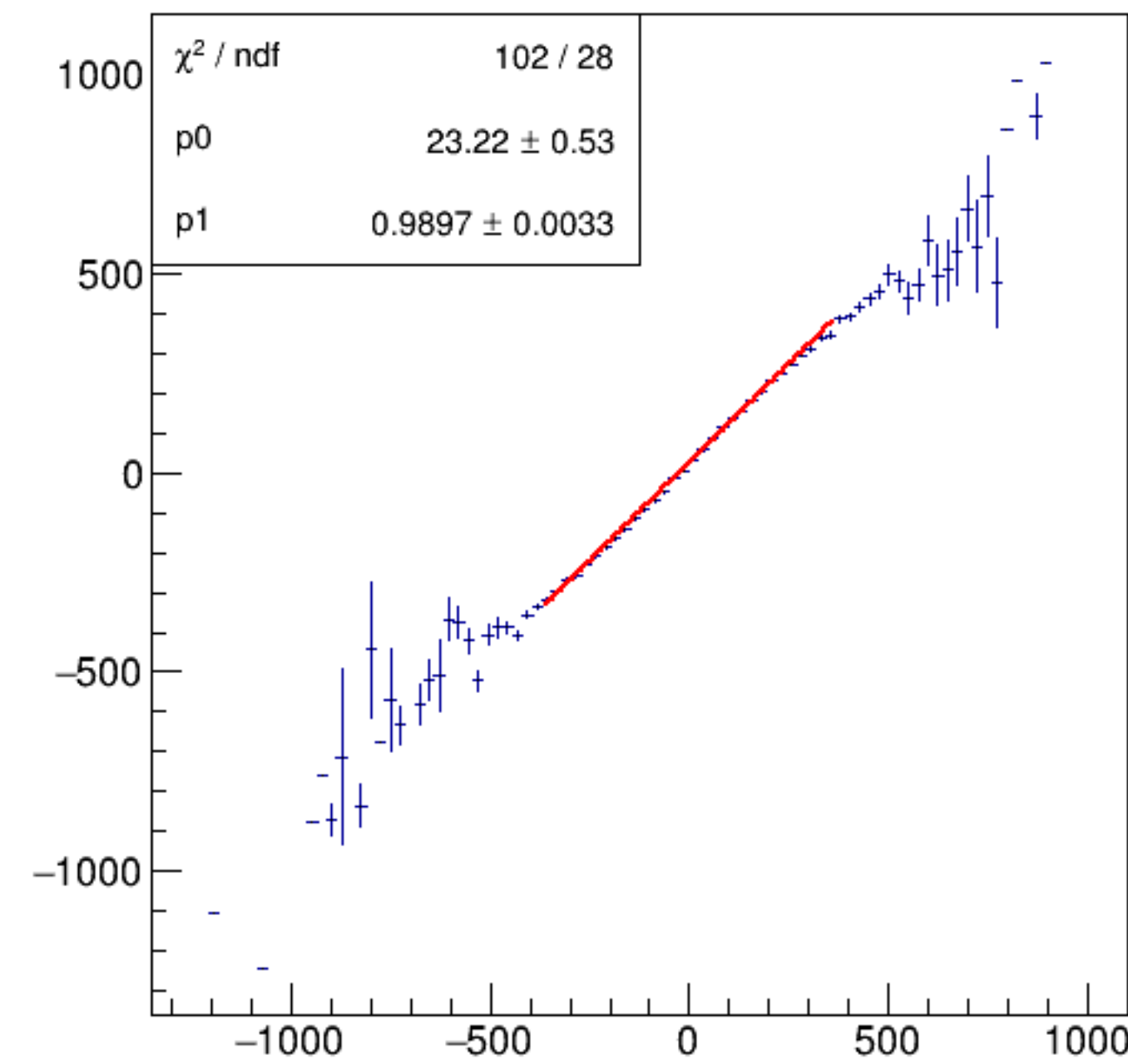
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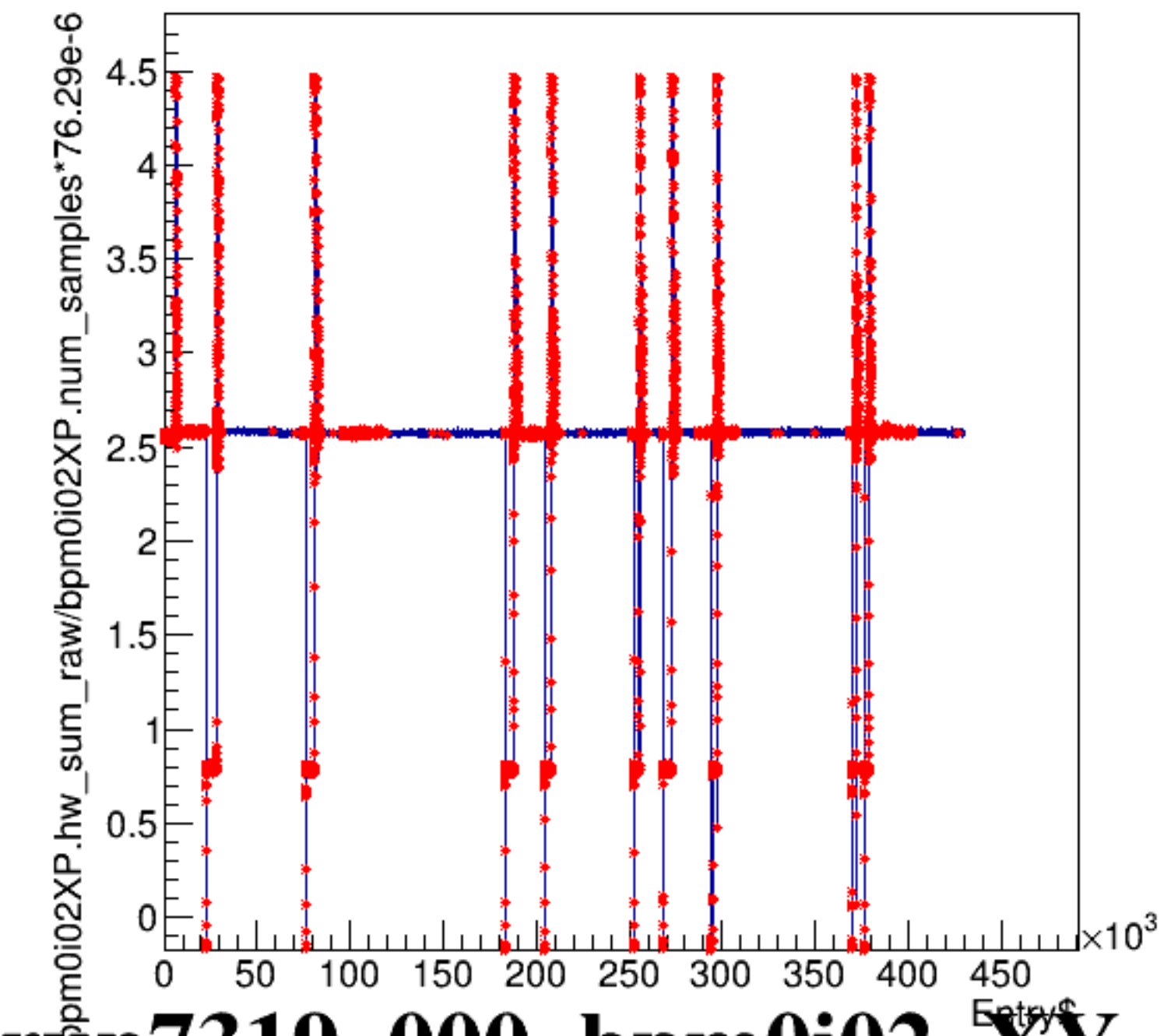
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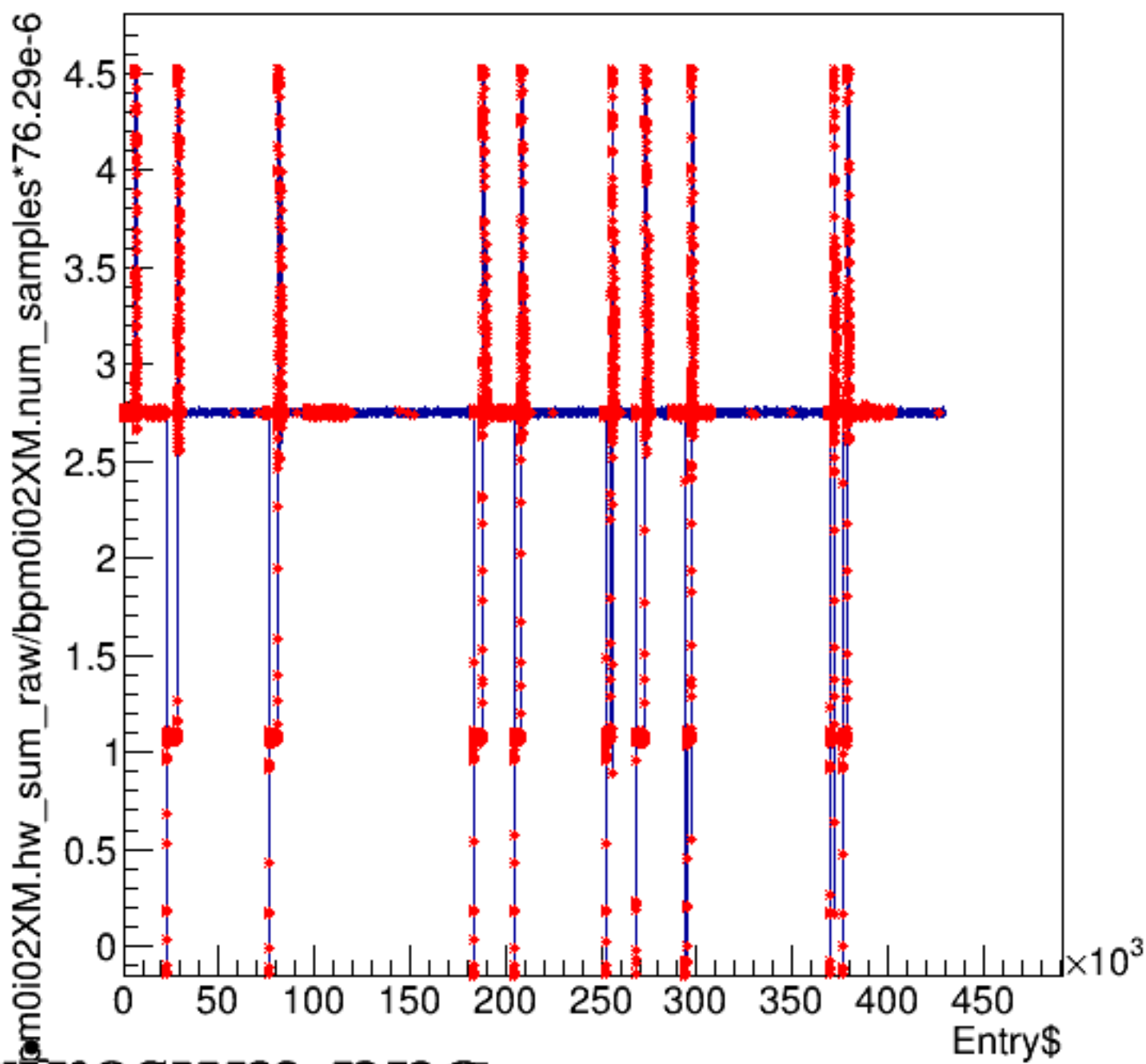
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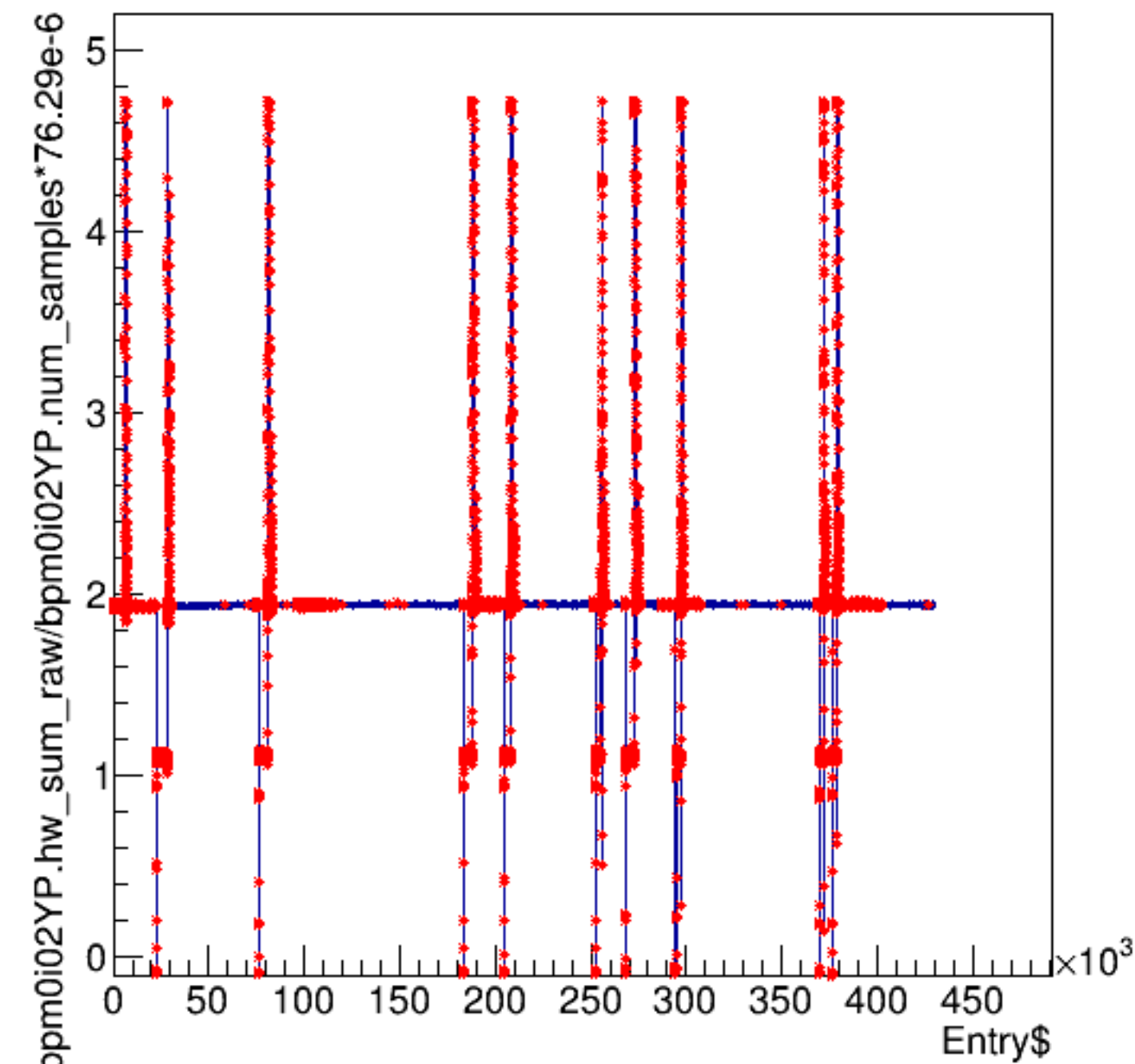
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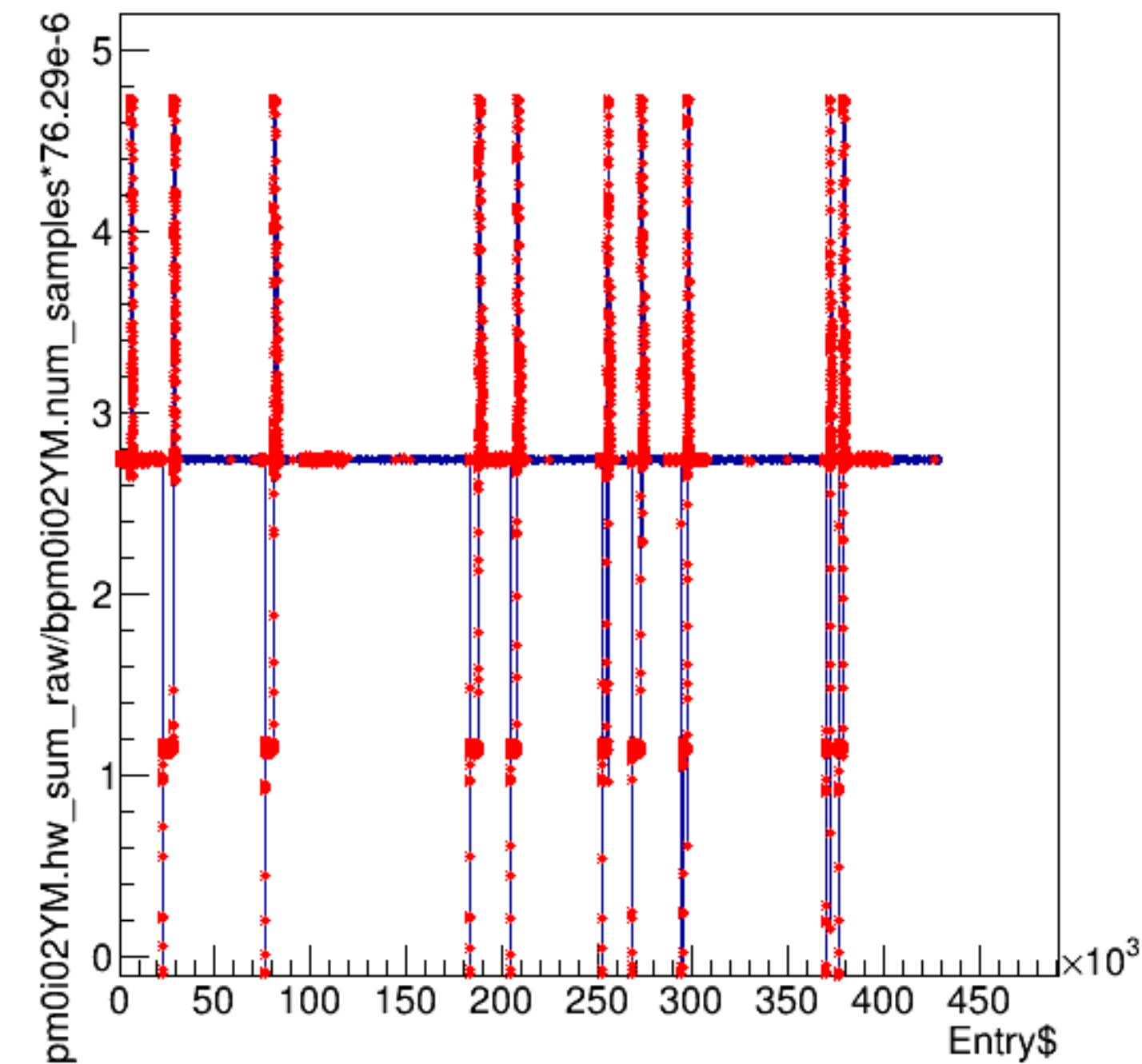
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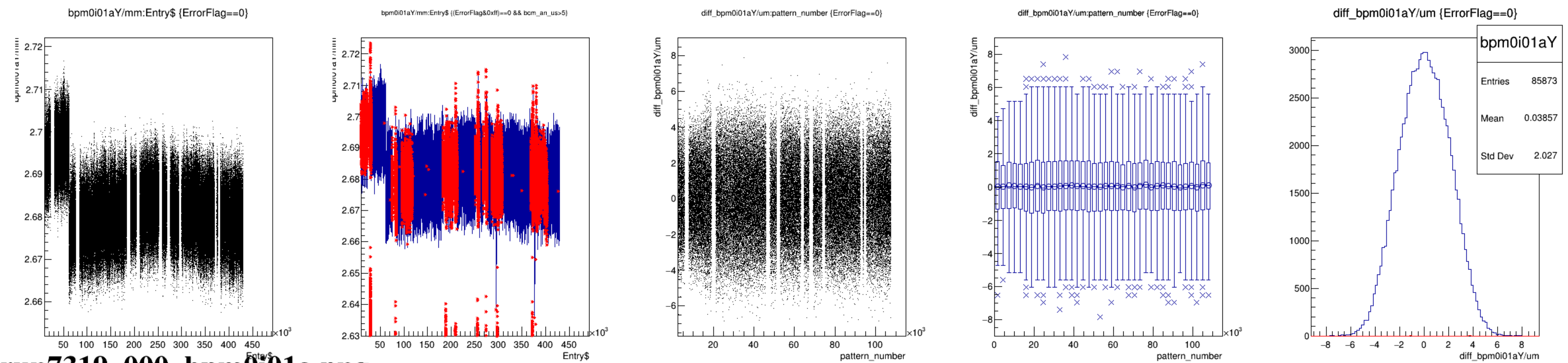
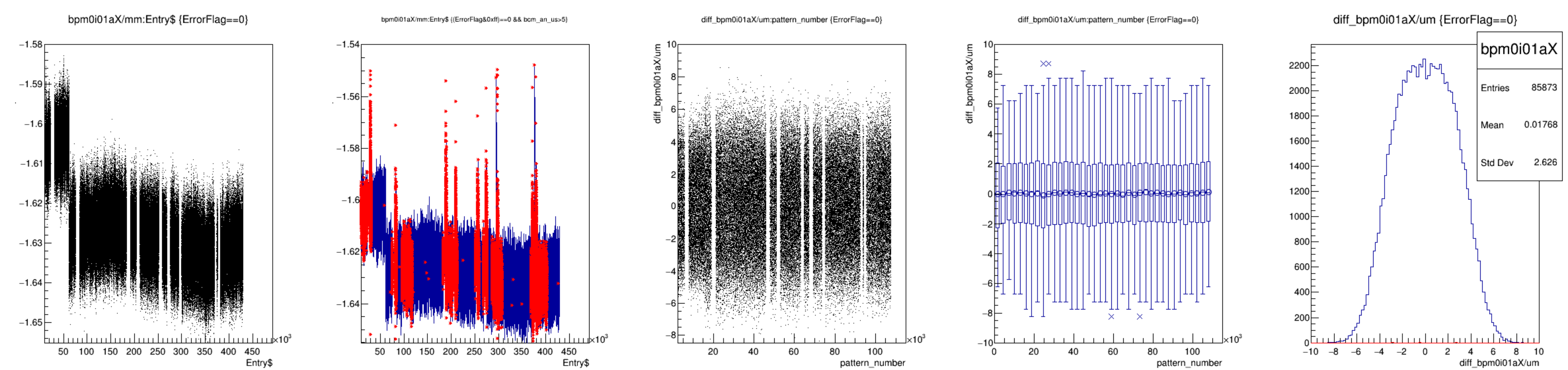


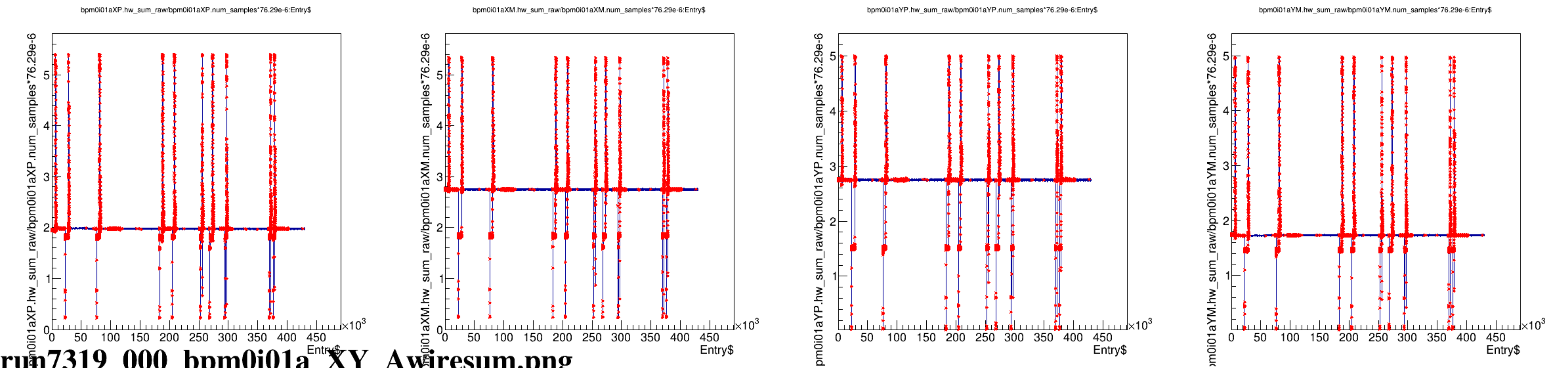
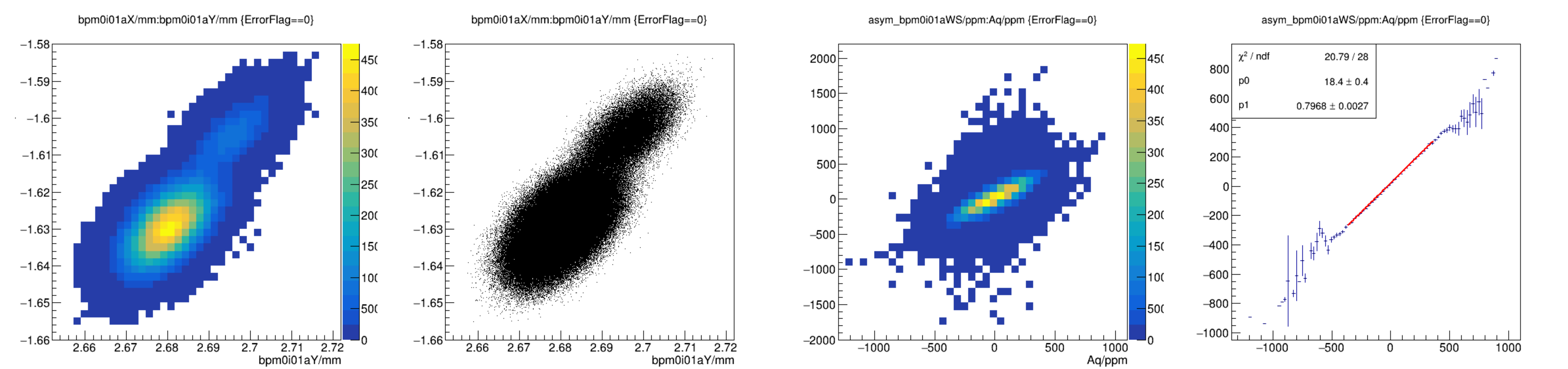
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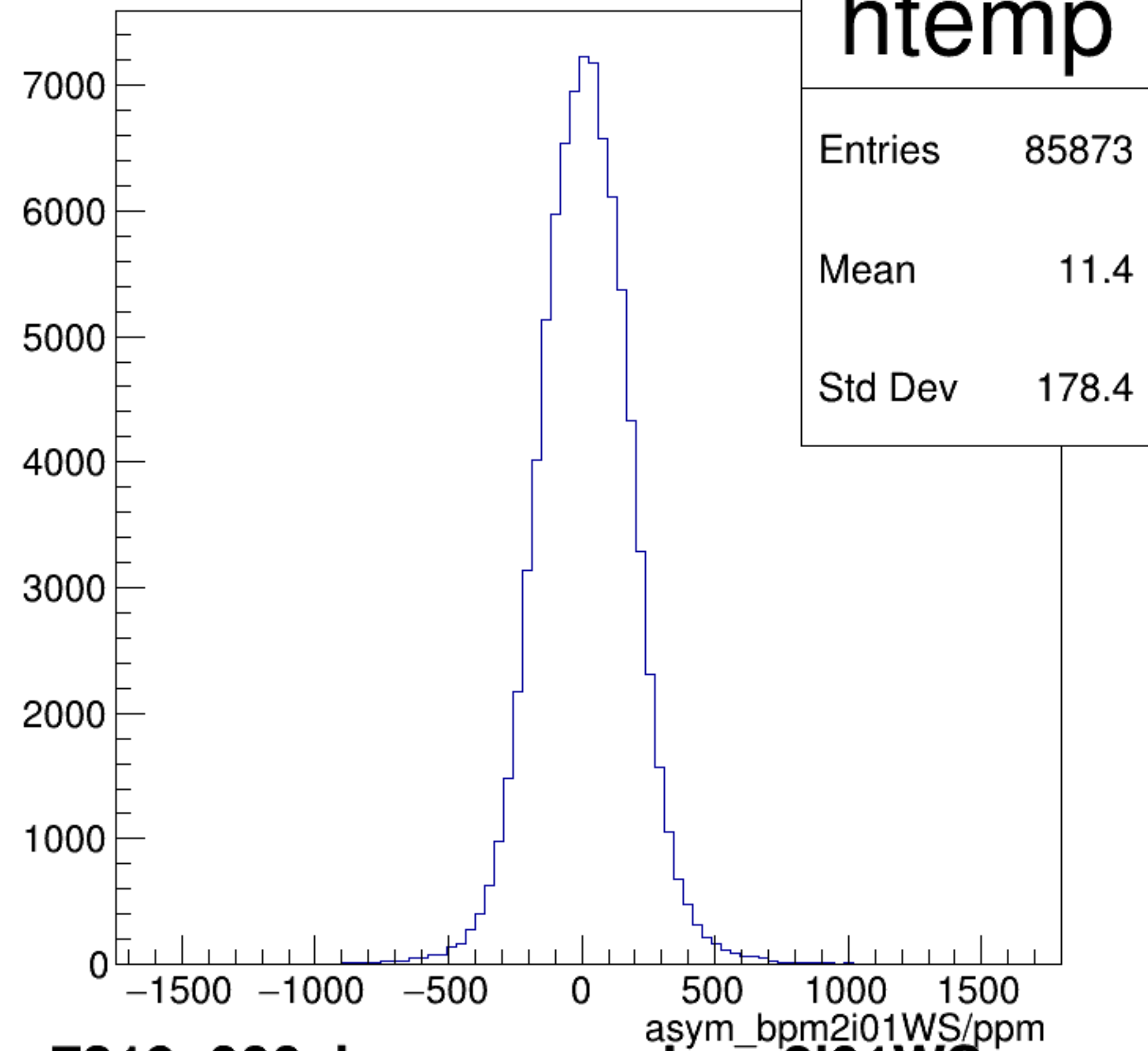
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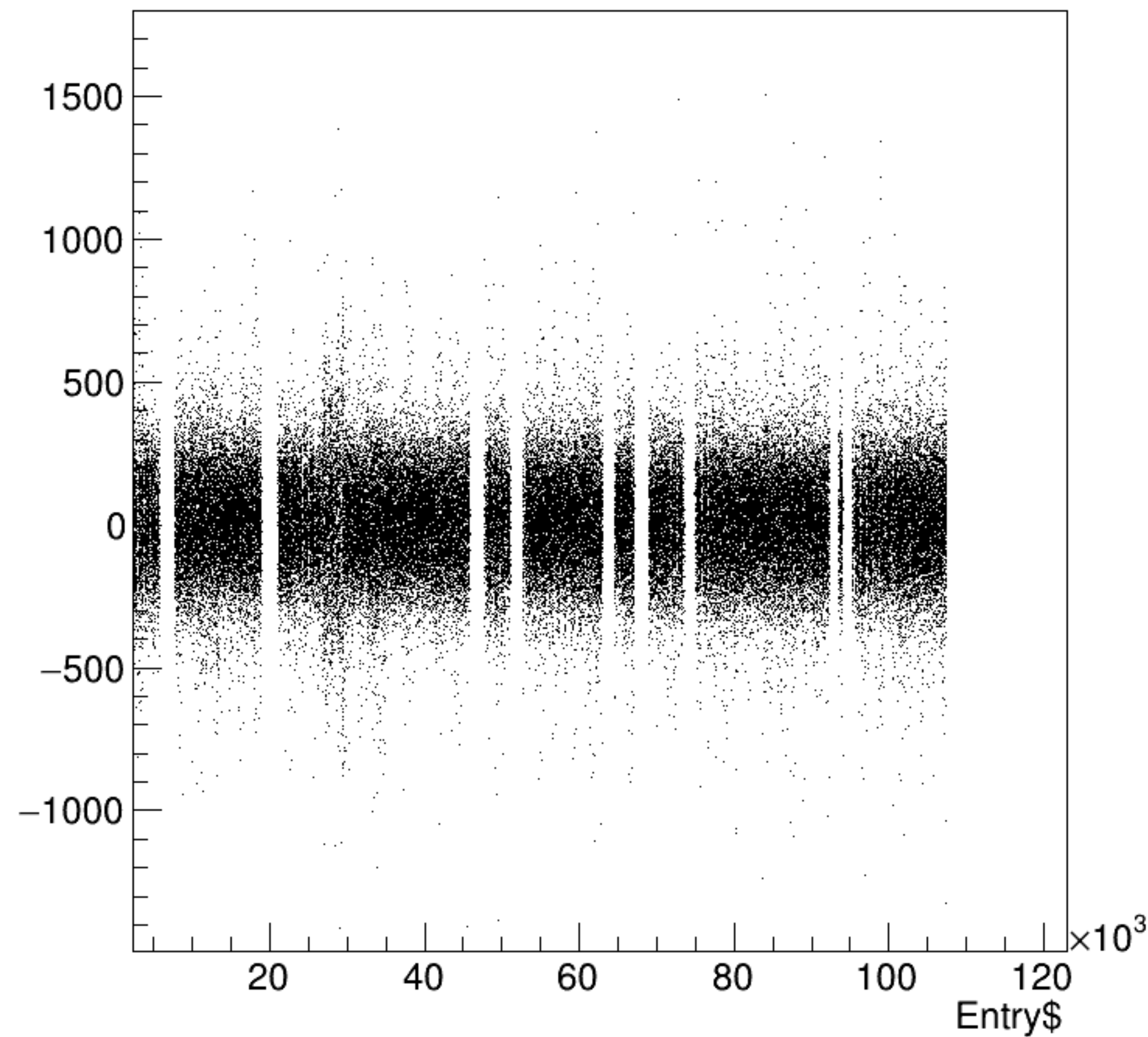


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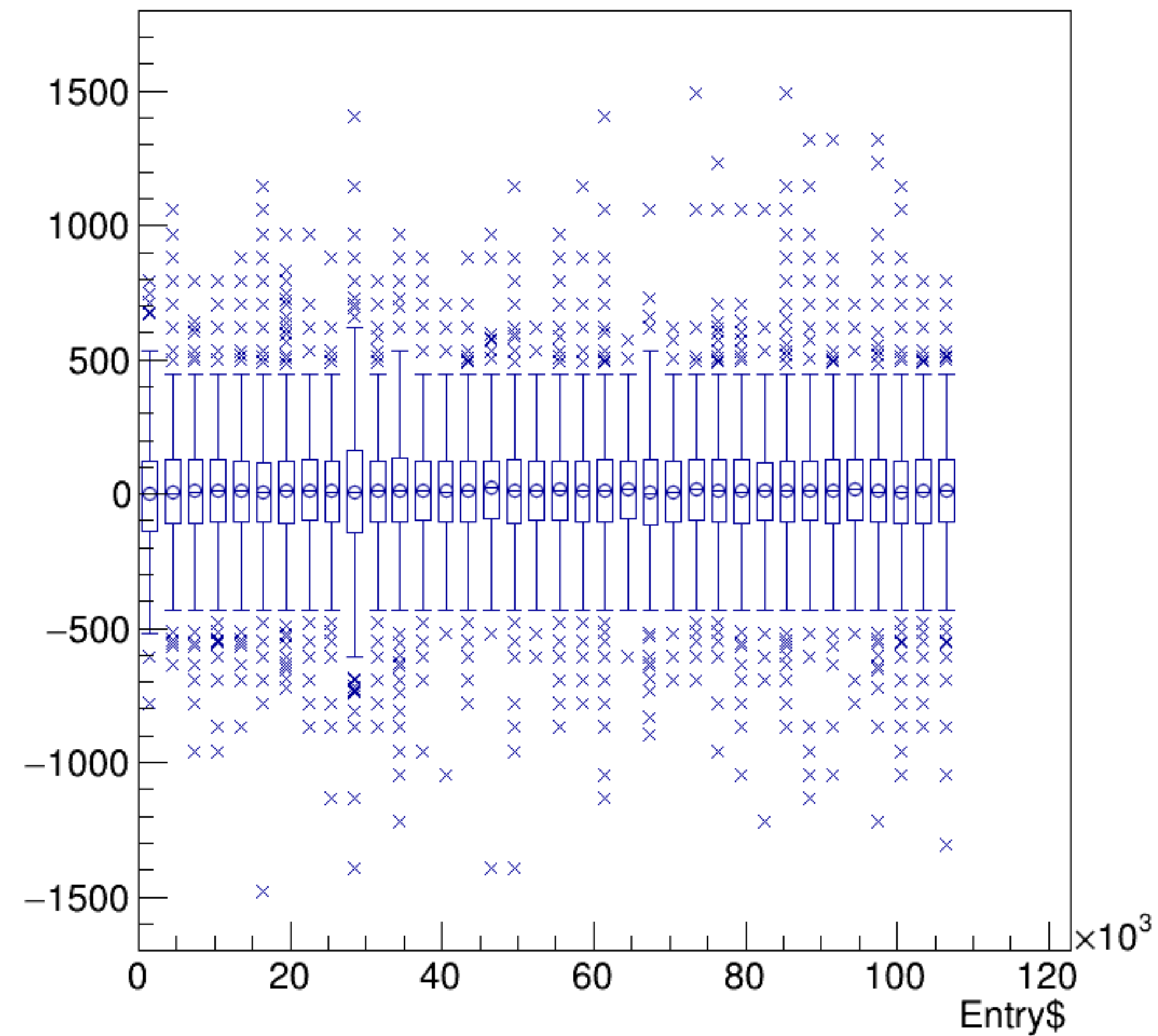


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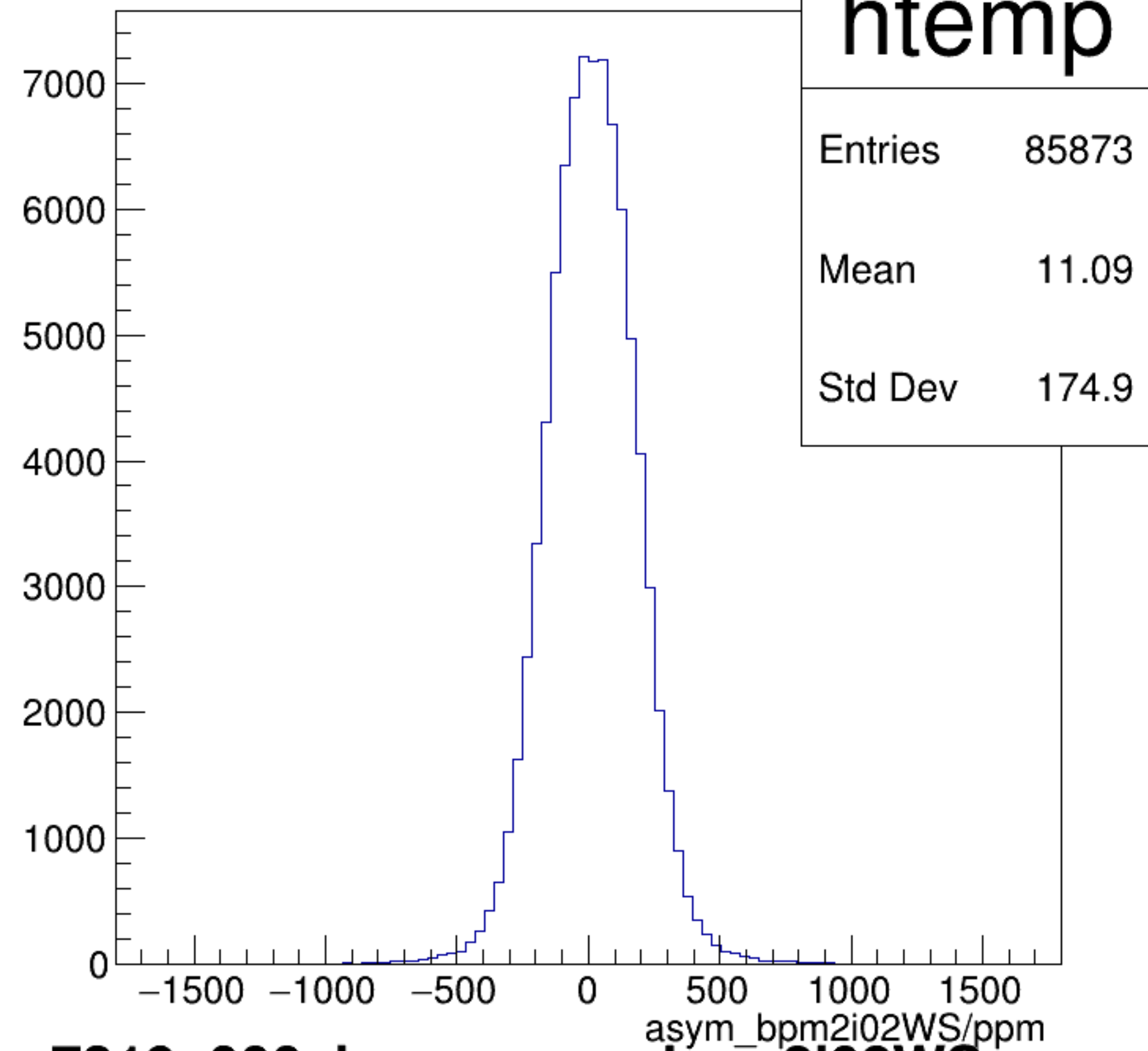
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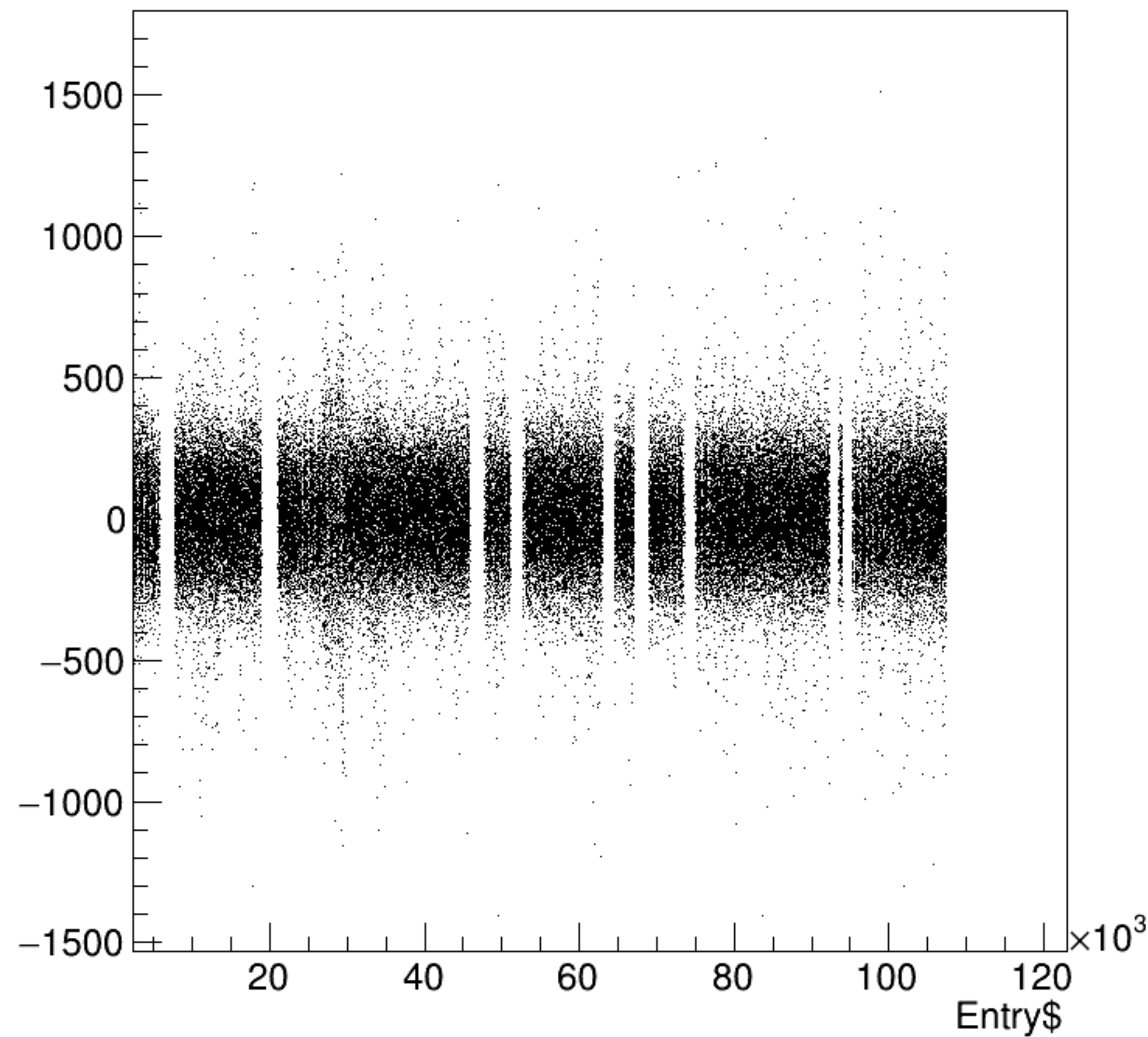


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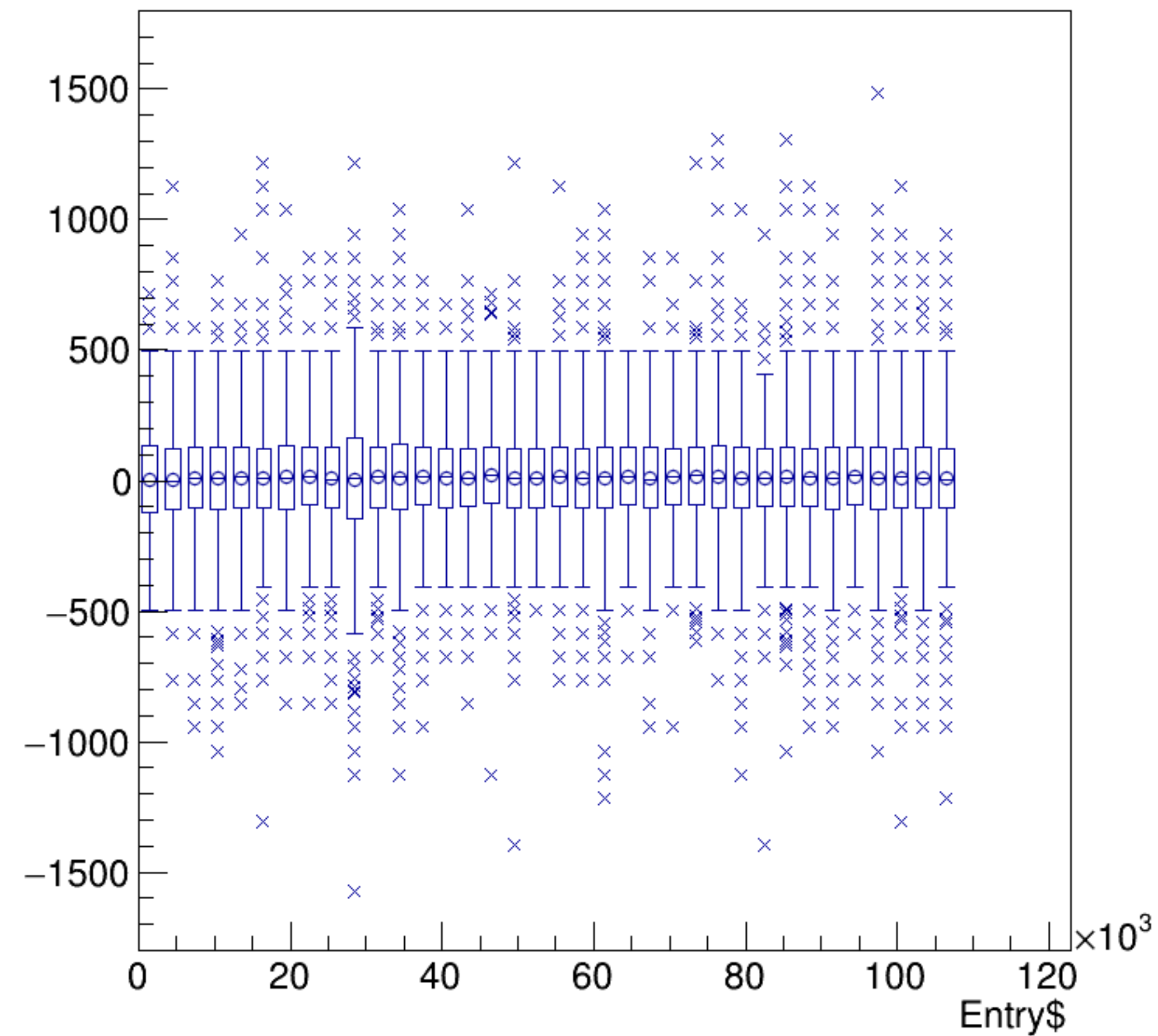


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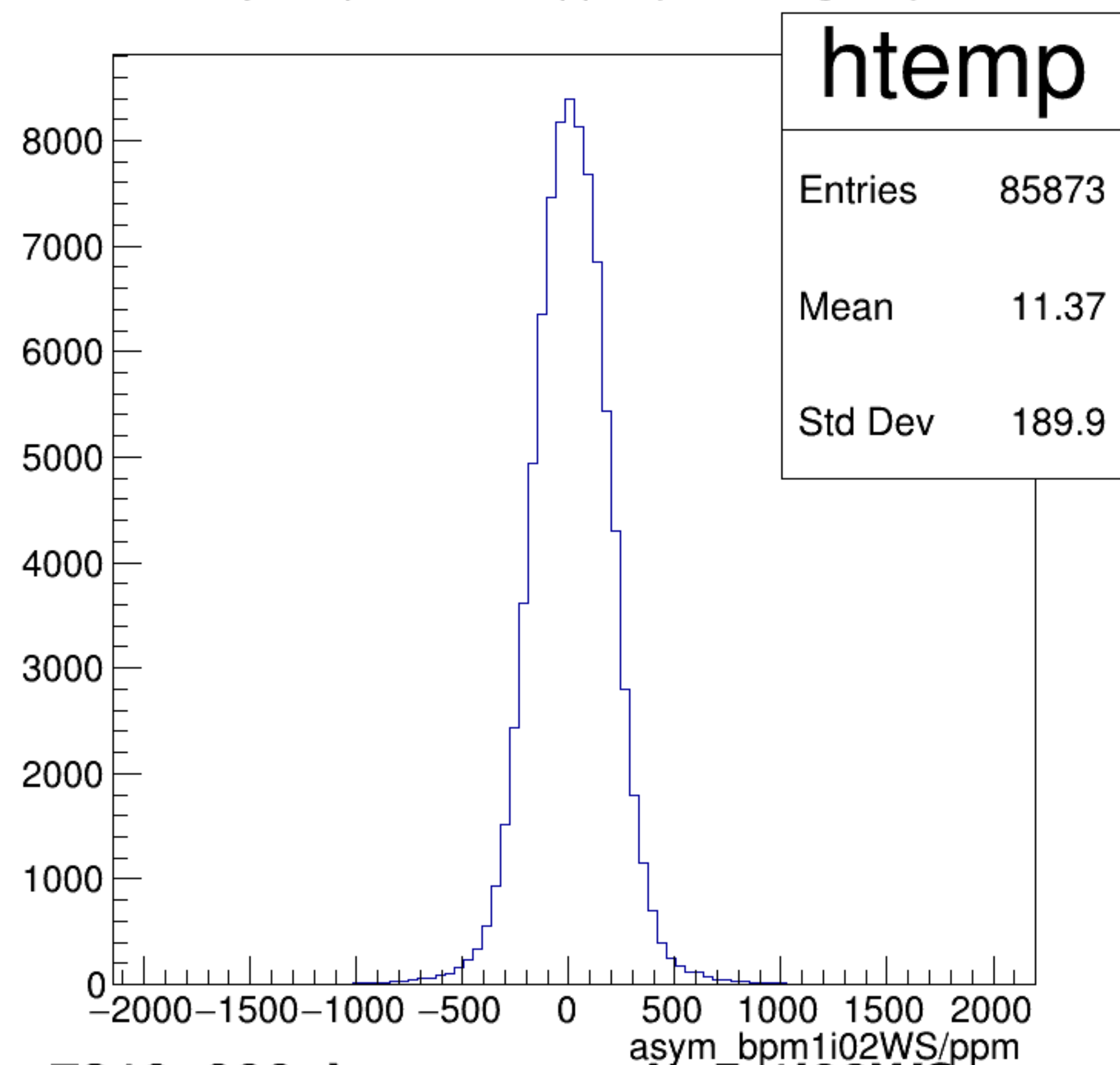
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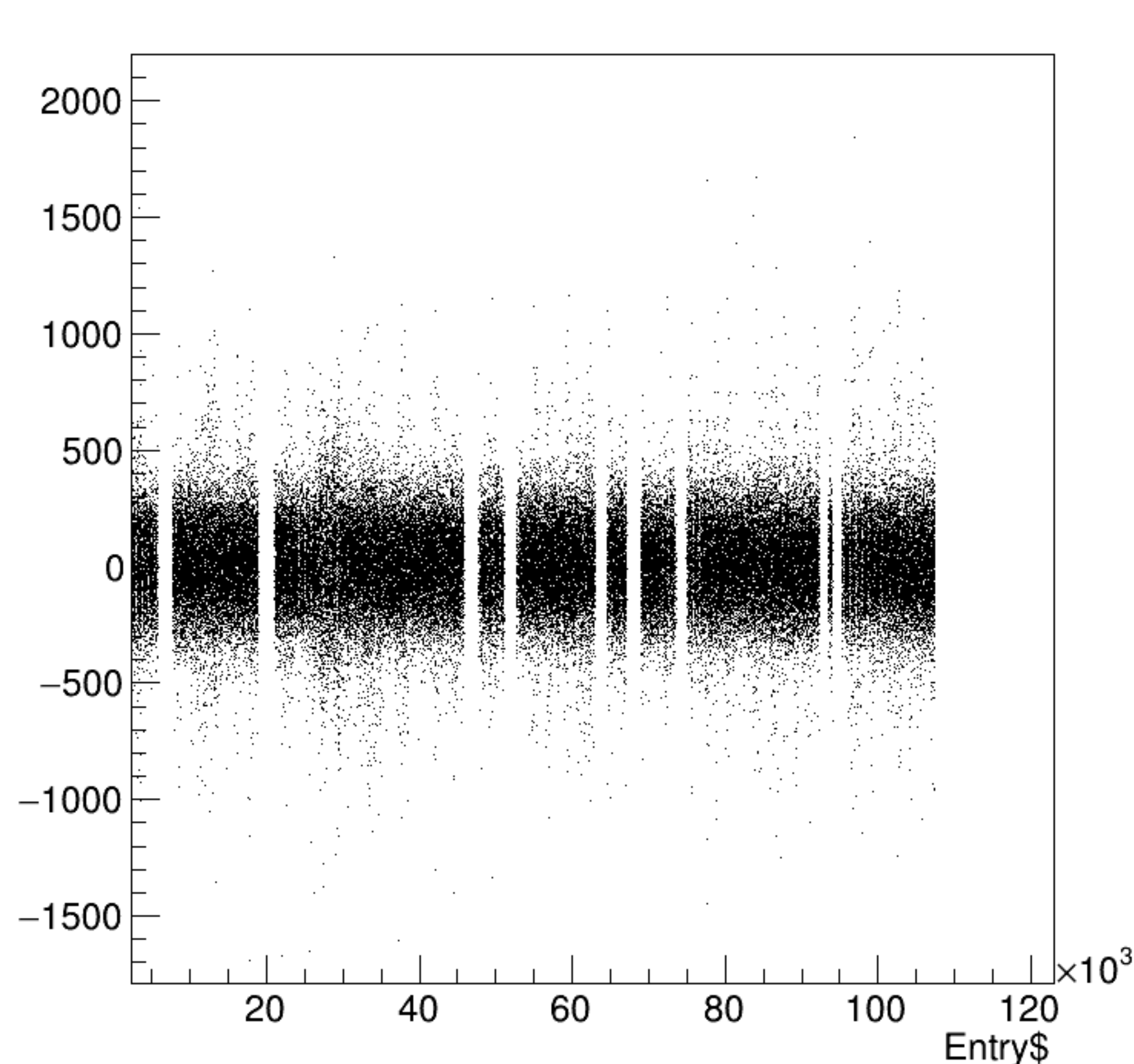


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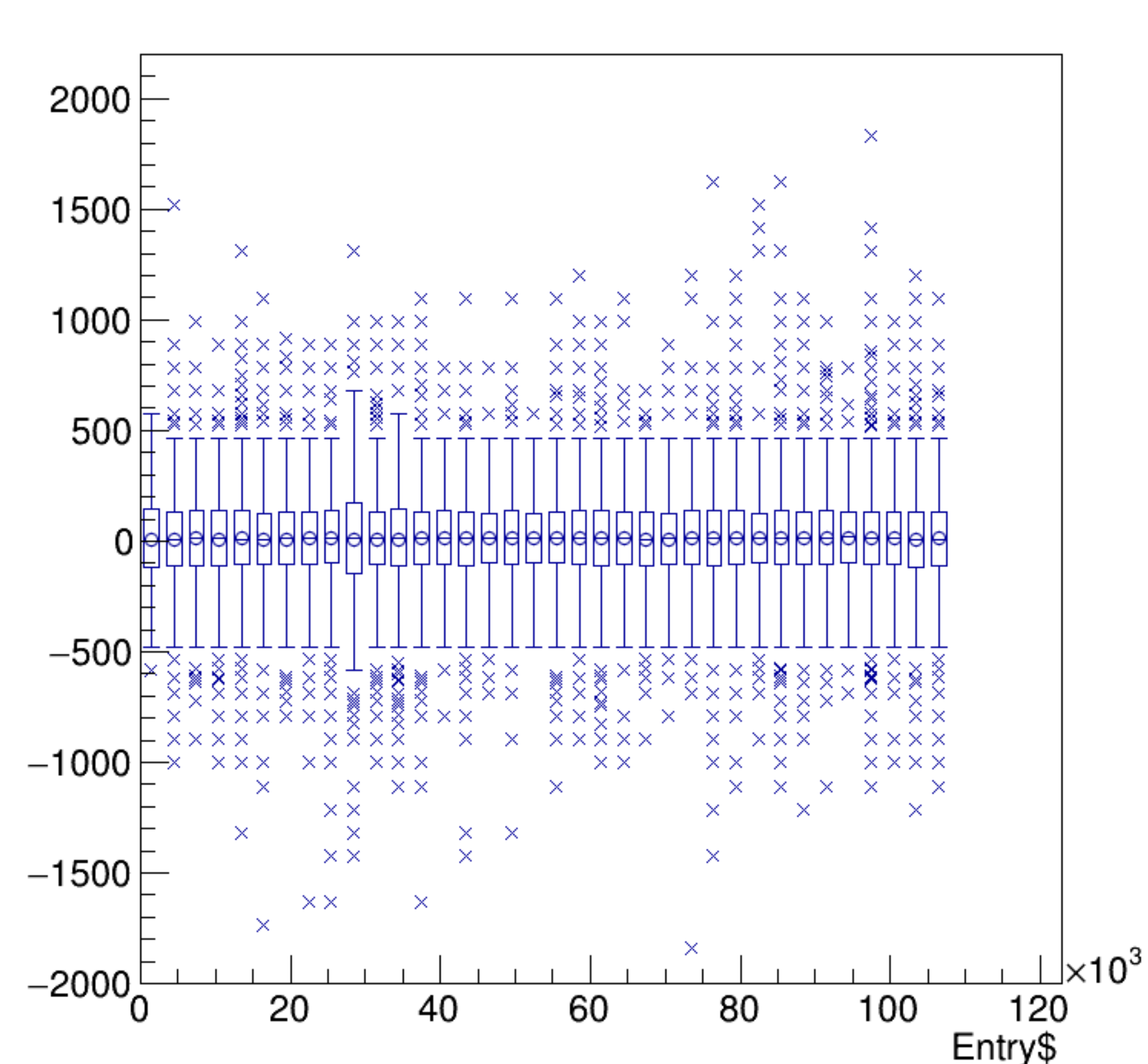


run7319_000_bpm_asym_bpm1i02WS.png

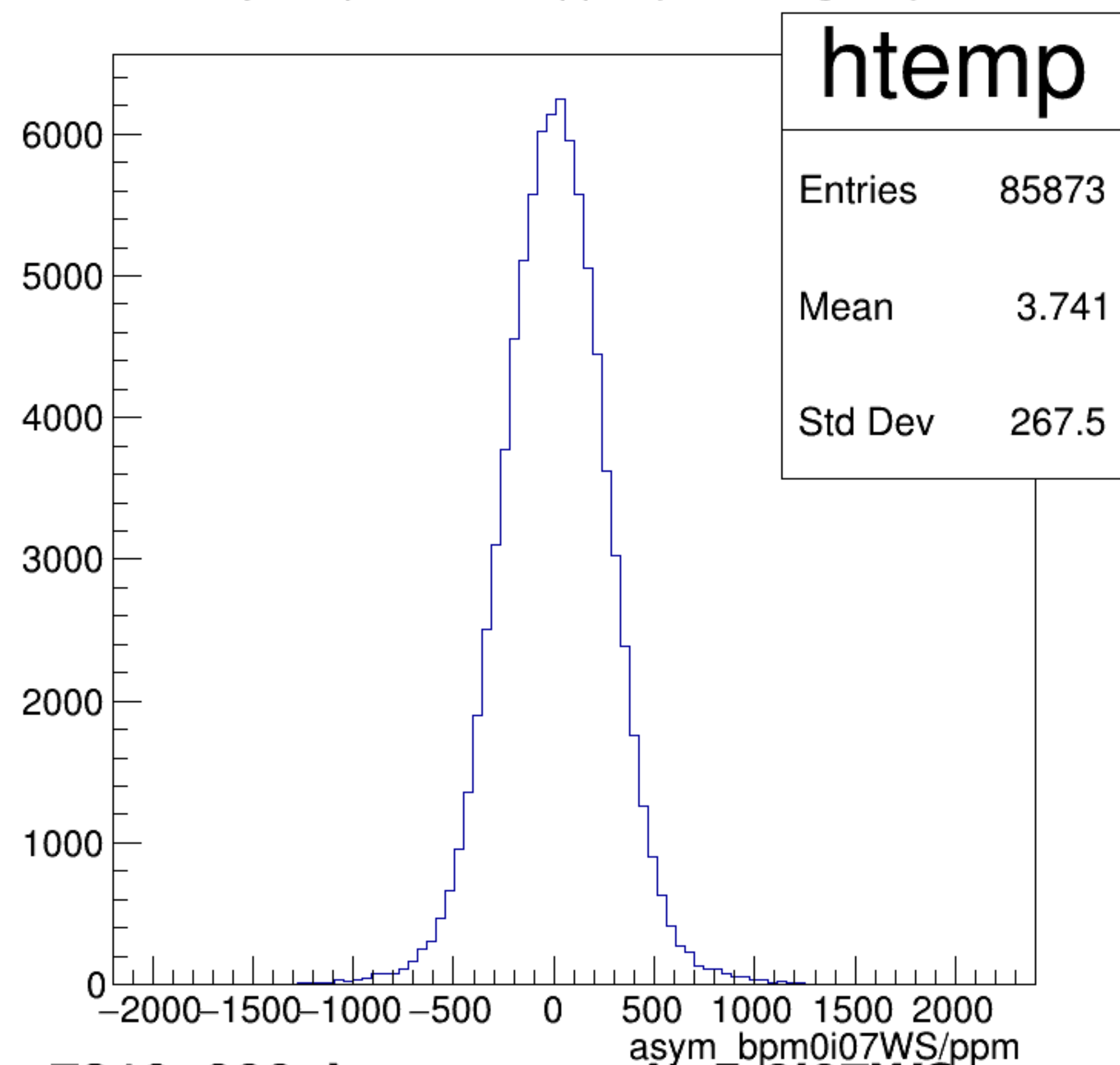
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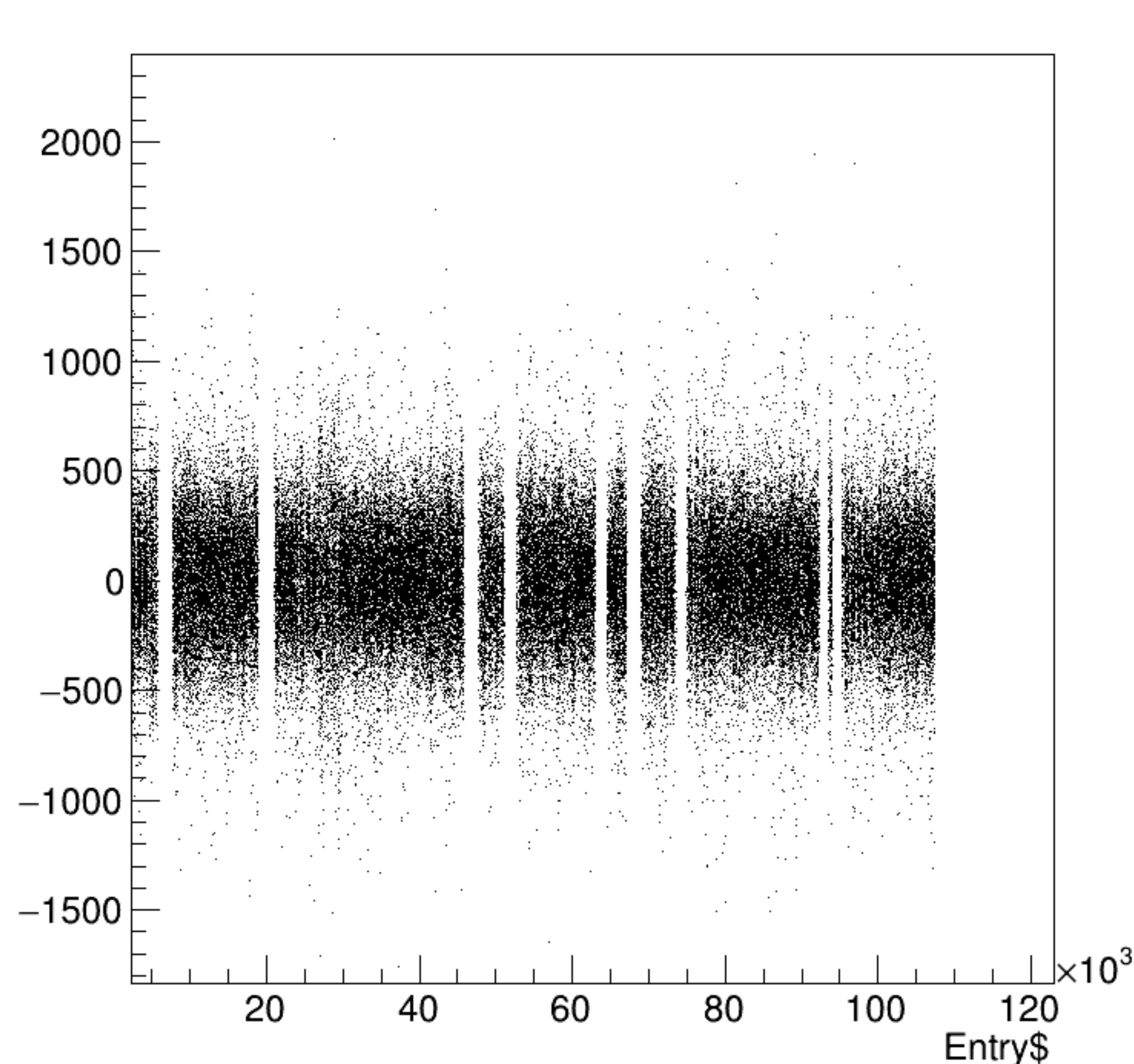


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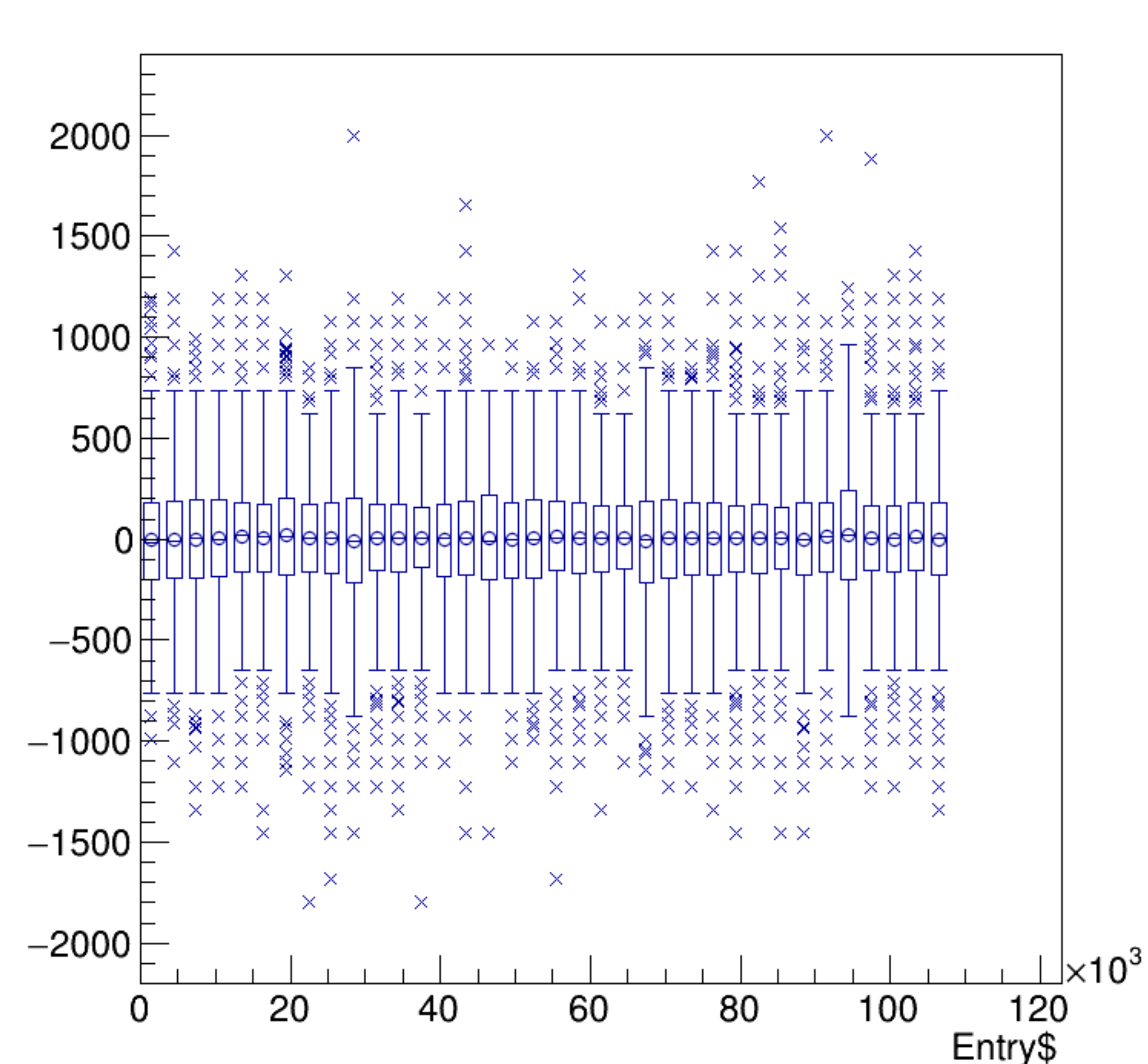


run7319_000_bpm_asym_bpm0i07WS.png

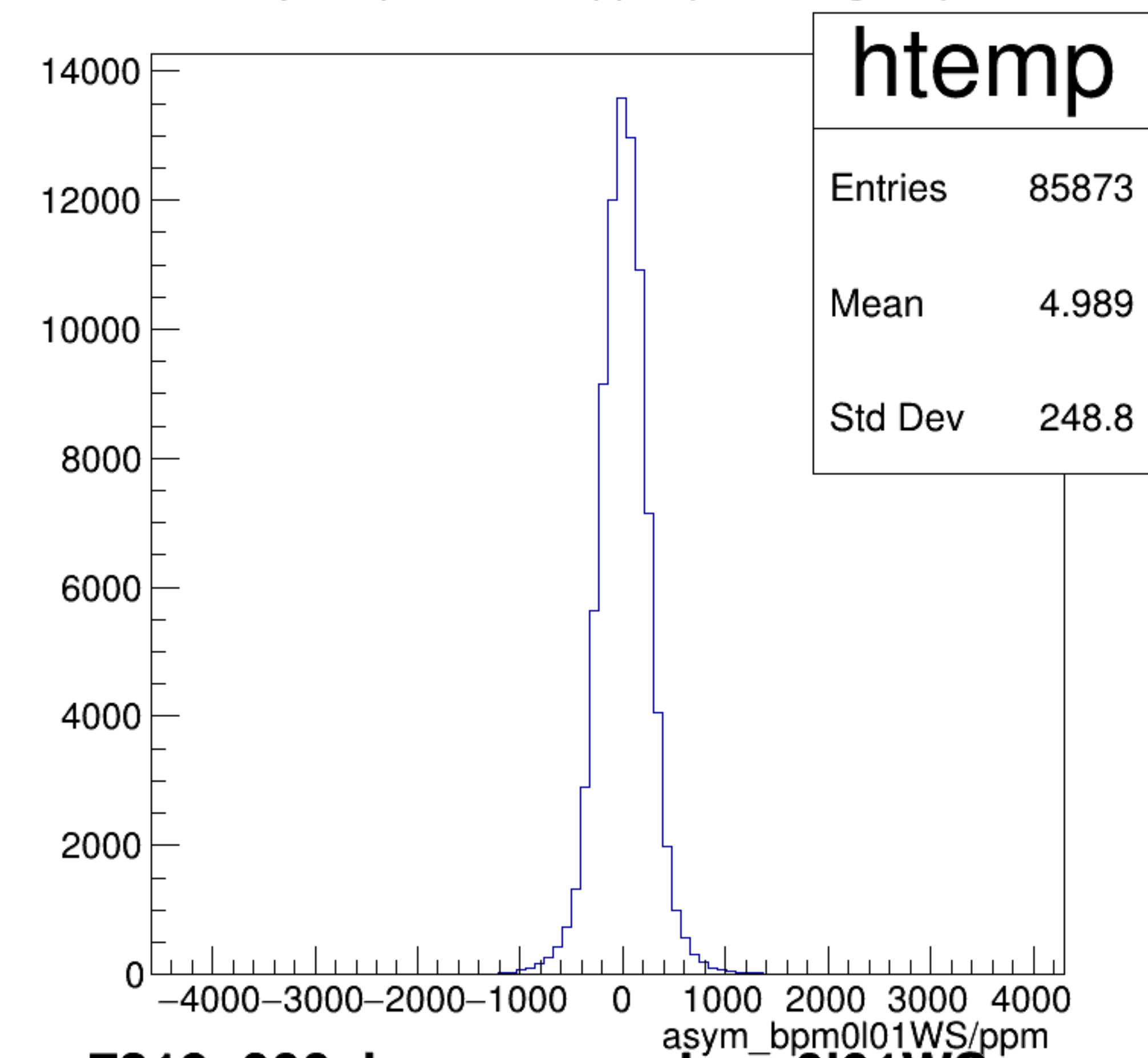
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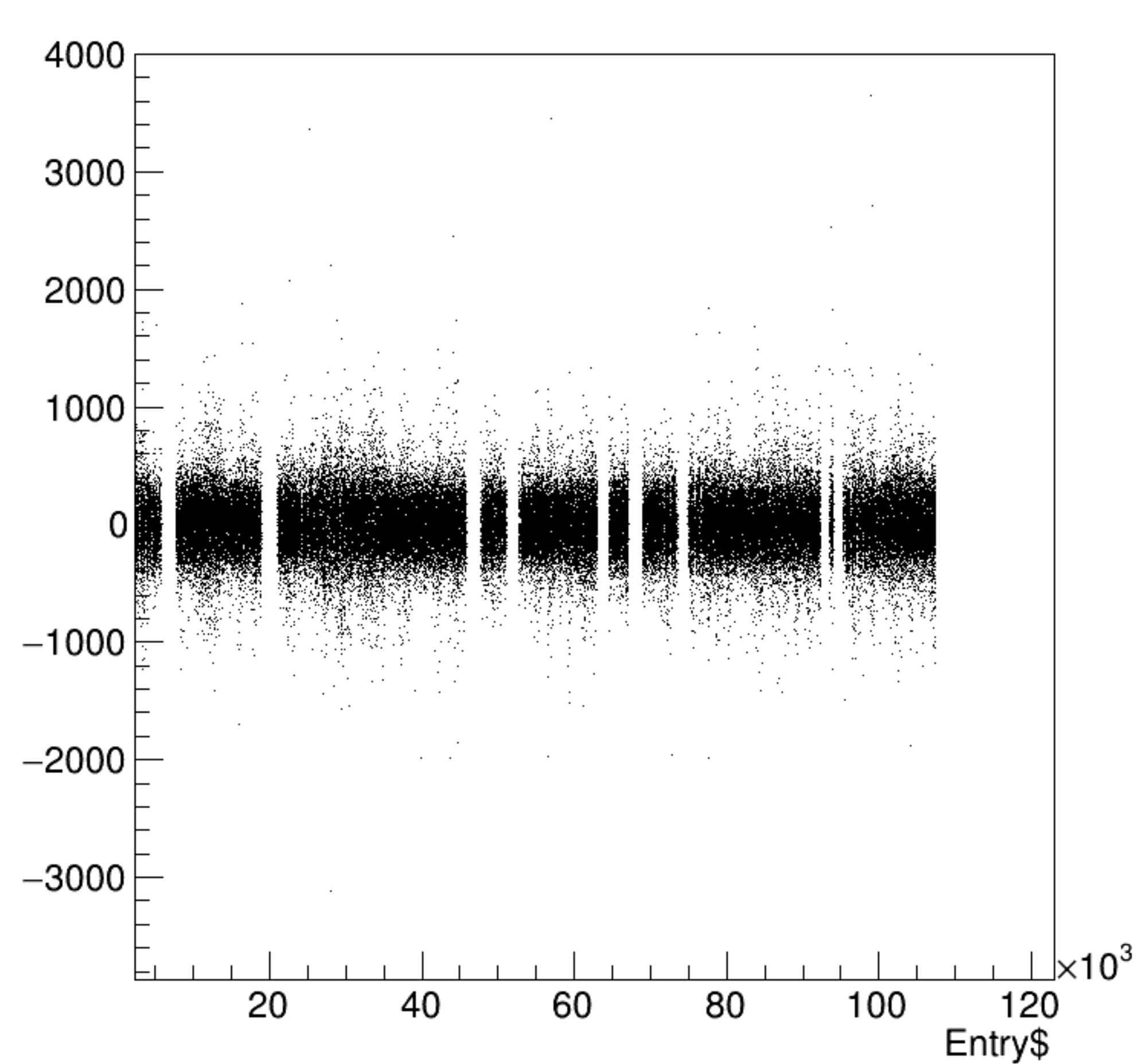


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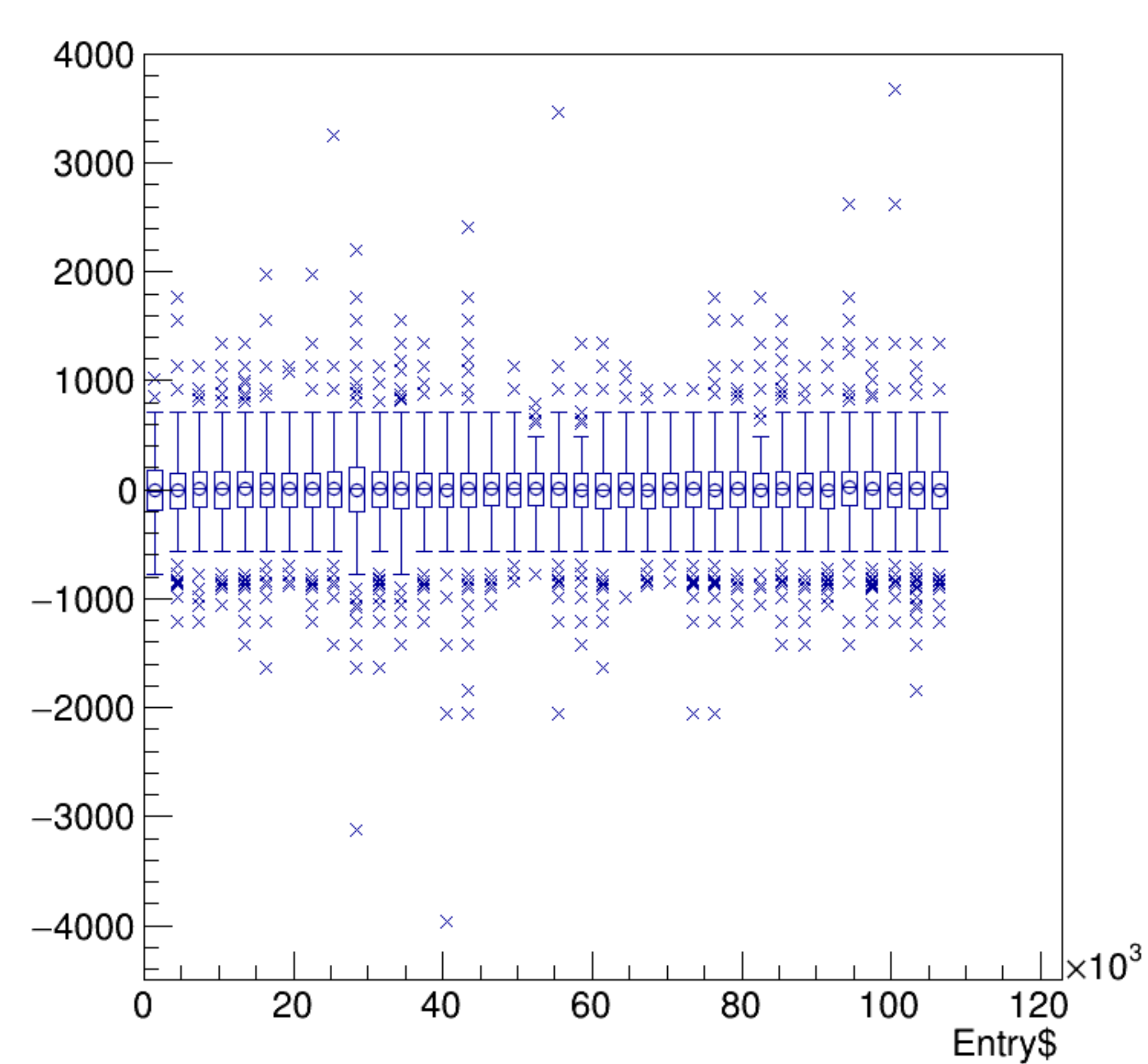


run7319_000_bpm_asym_bpm0l01WS.png

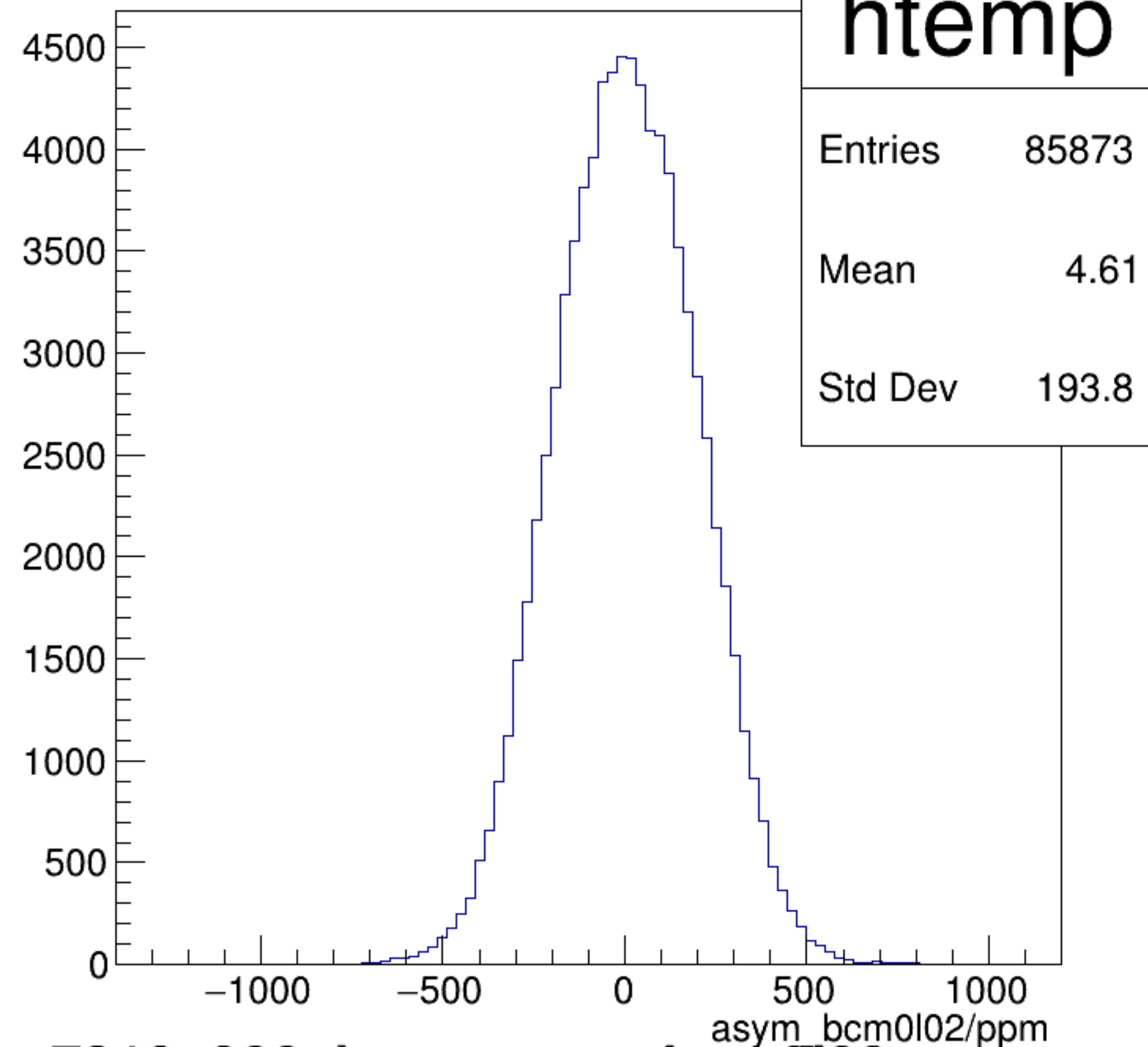
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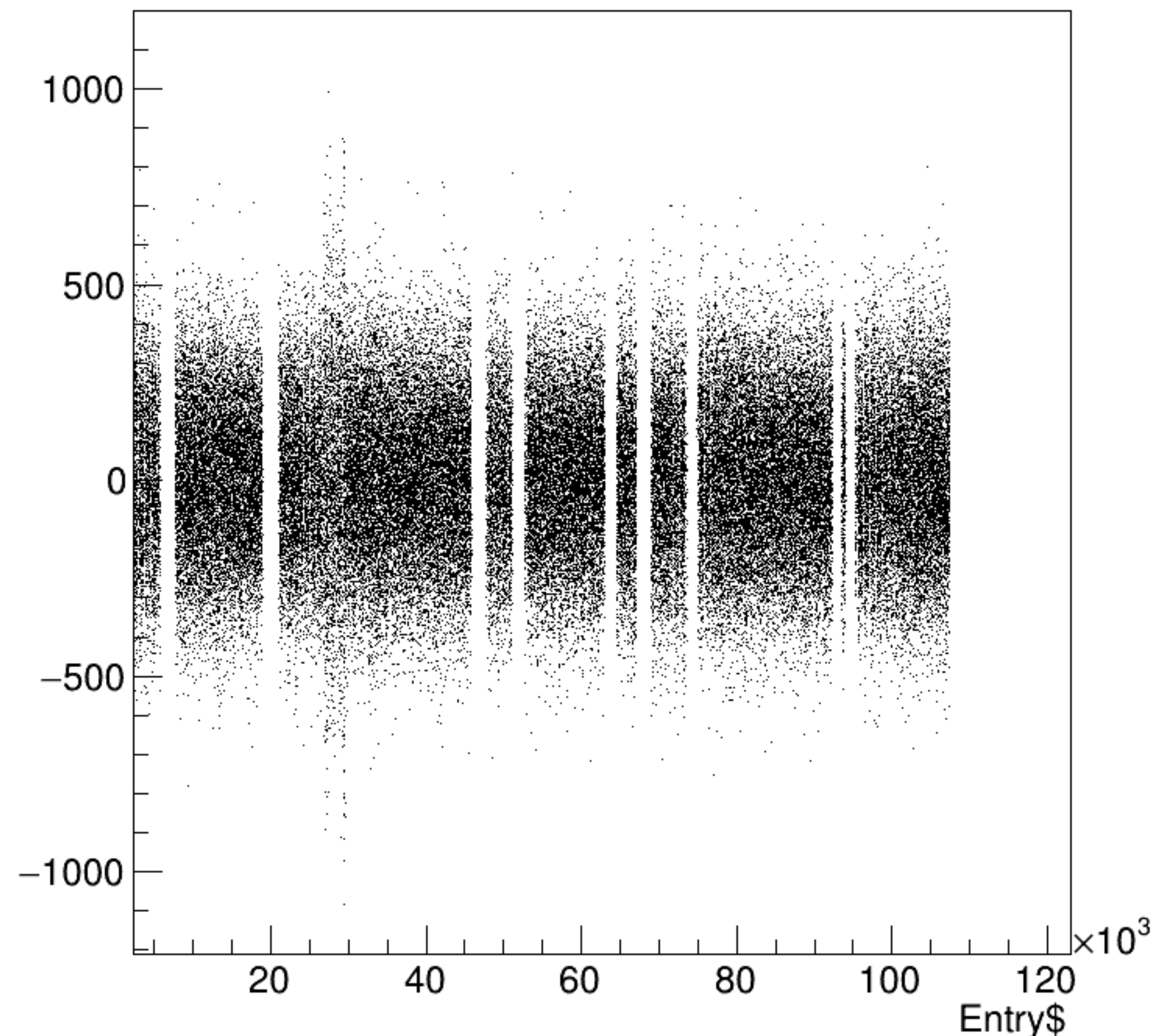
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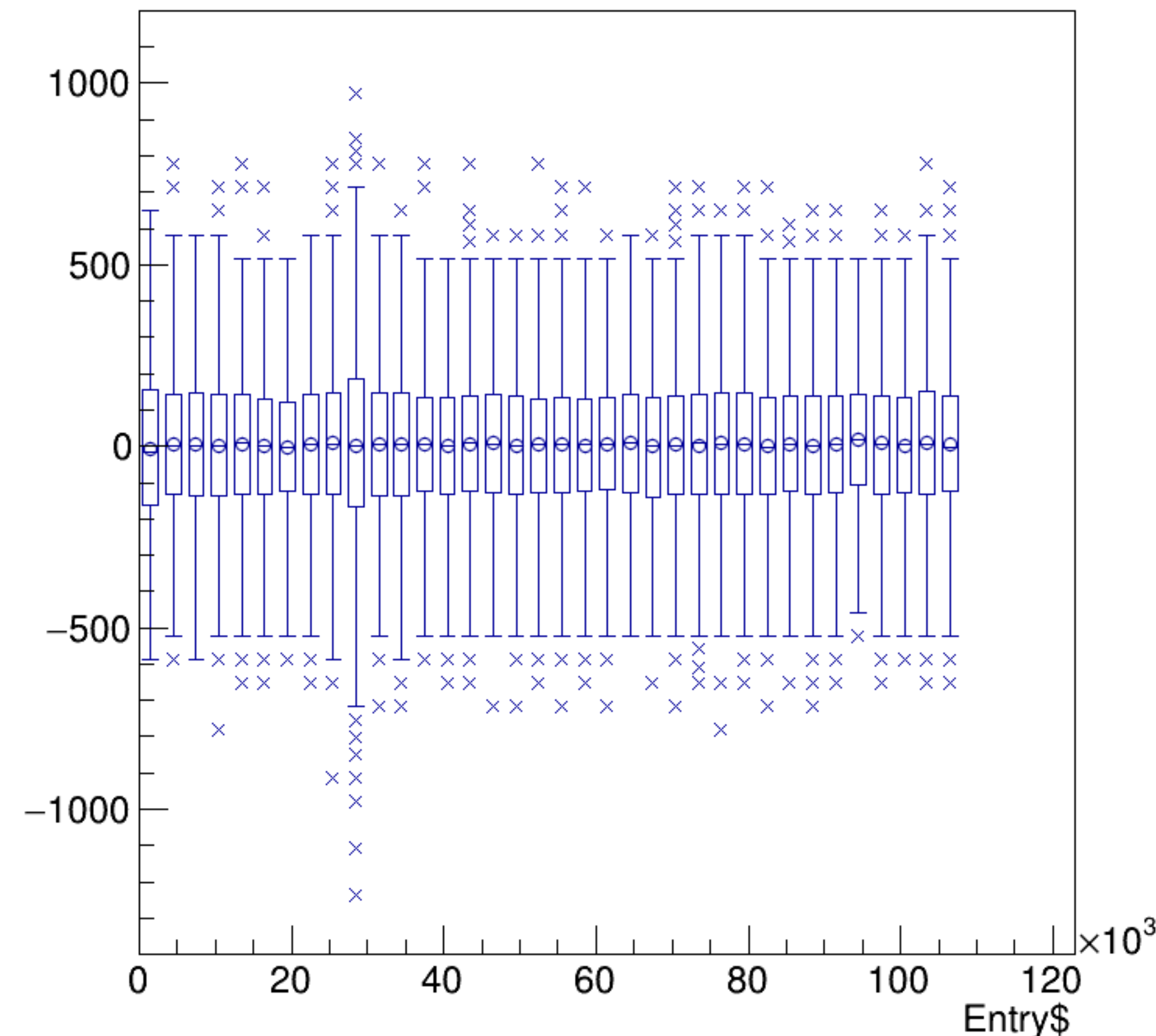
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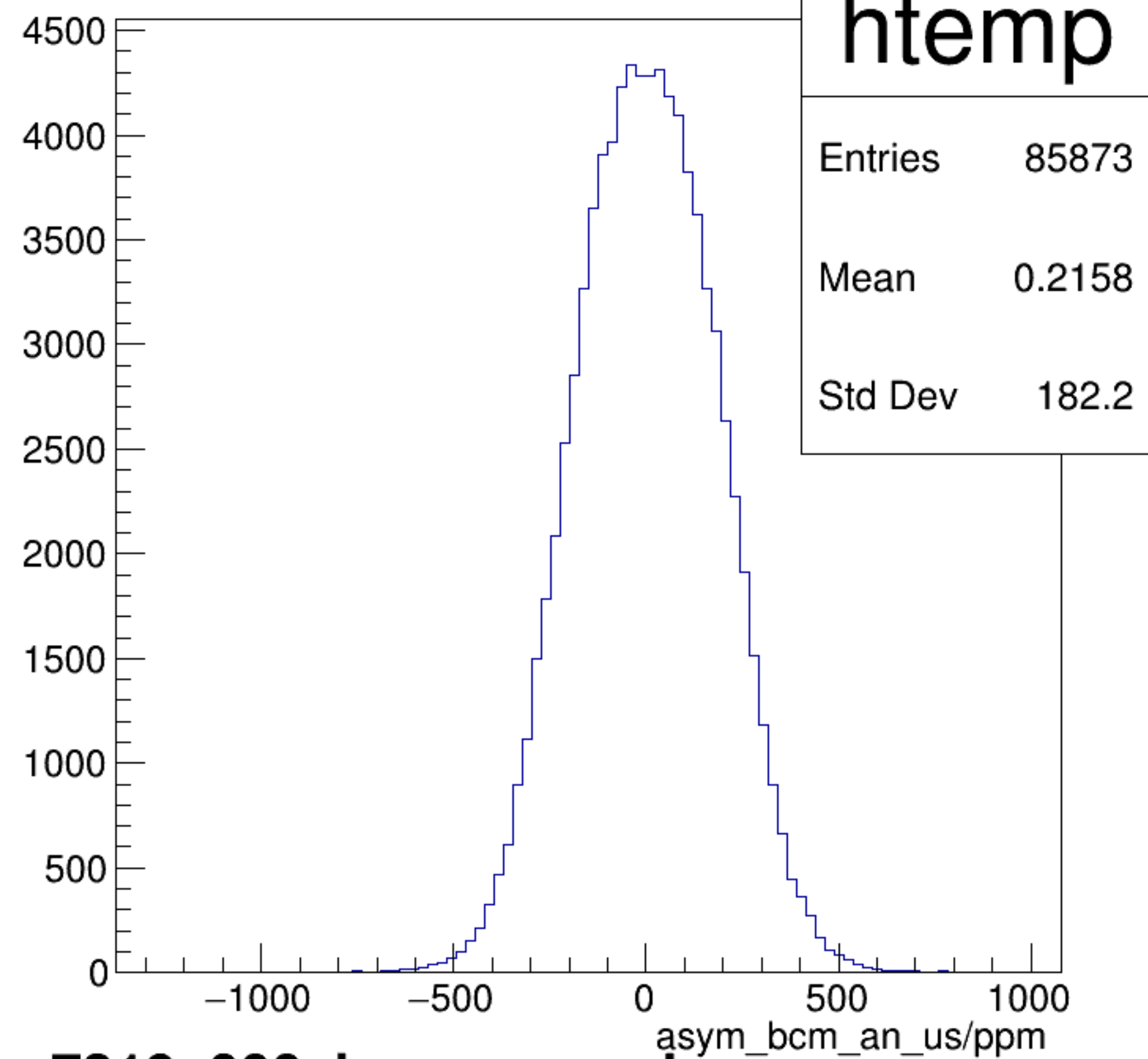
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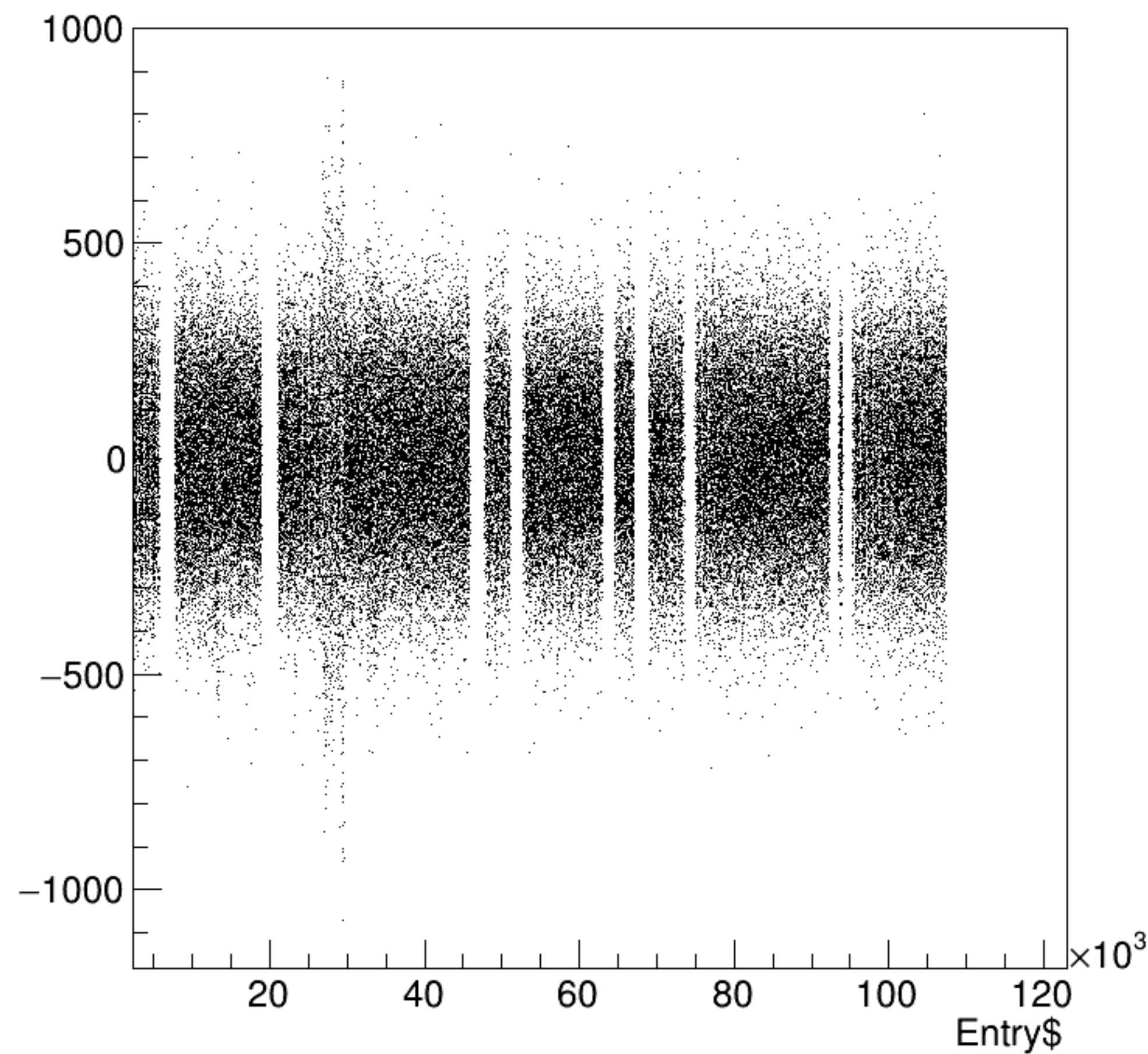
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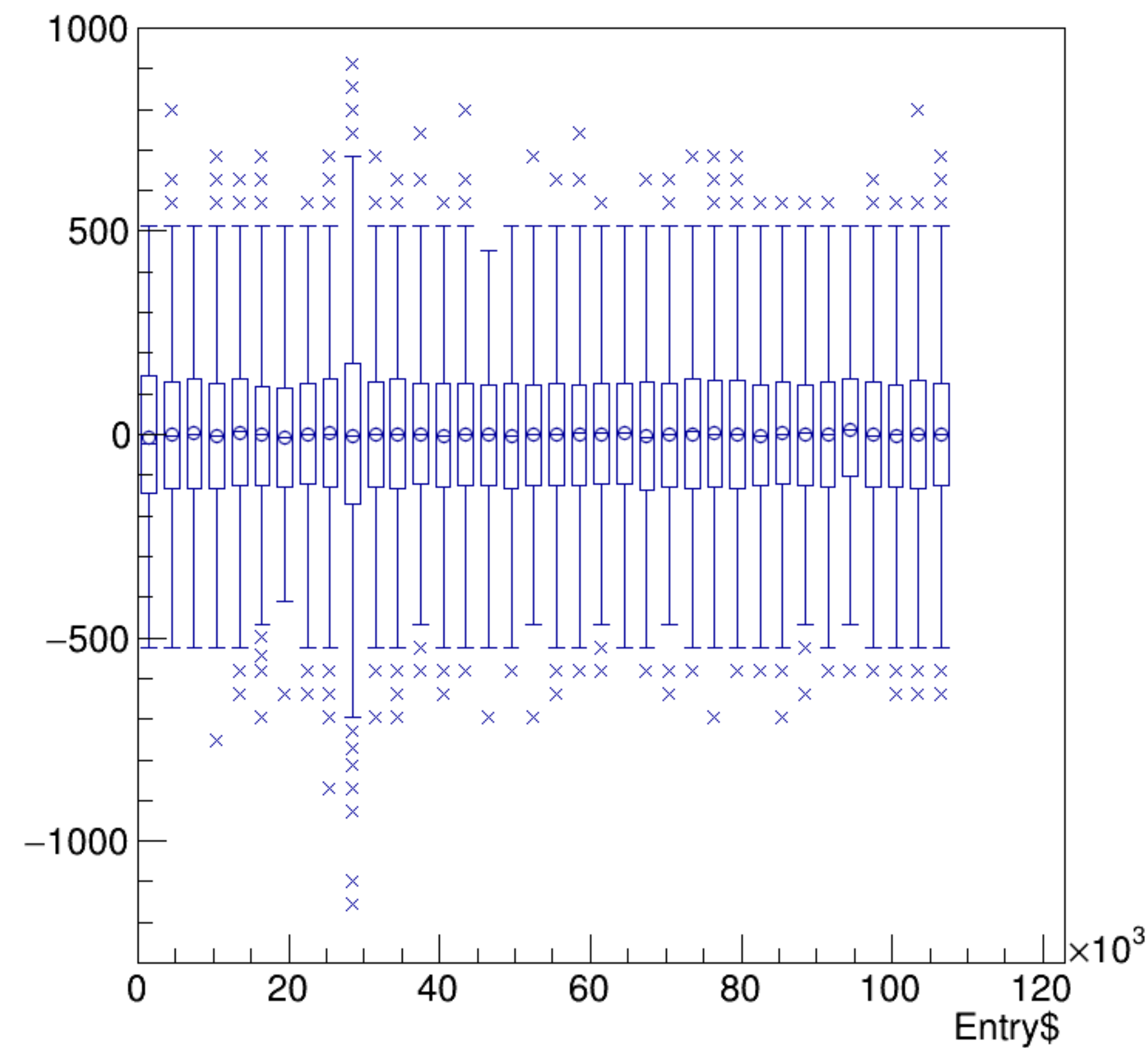
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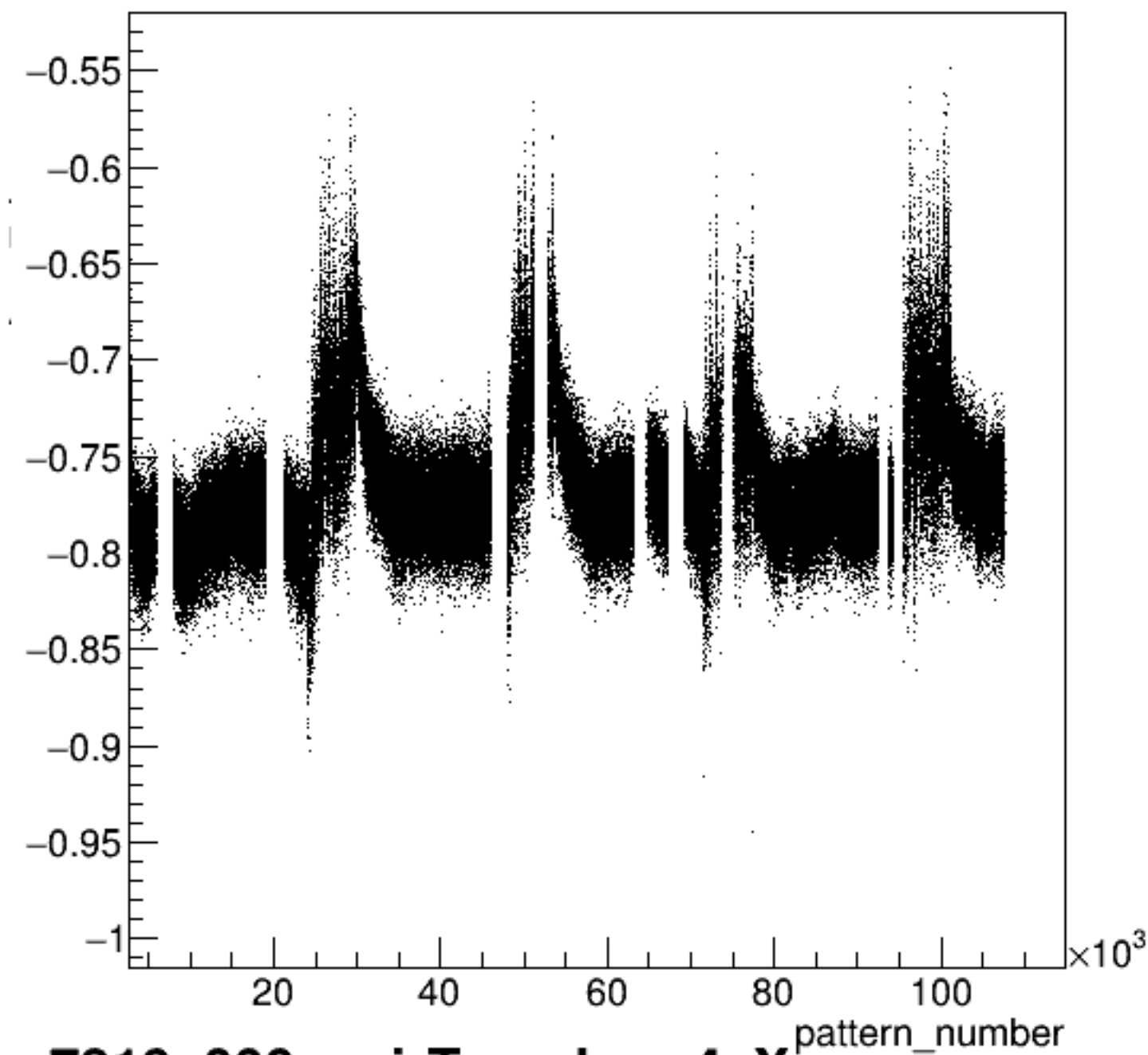
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asym_bcm_an_us/ppm:Entry\$ {ErrorFlag==0}

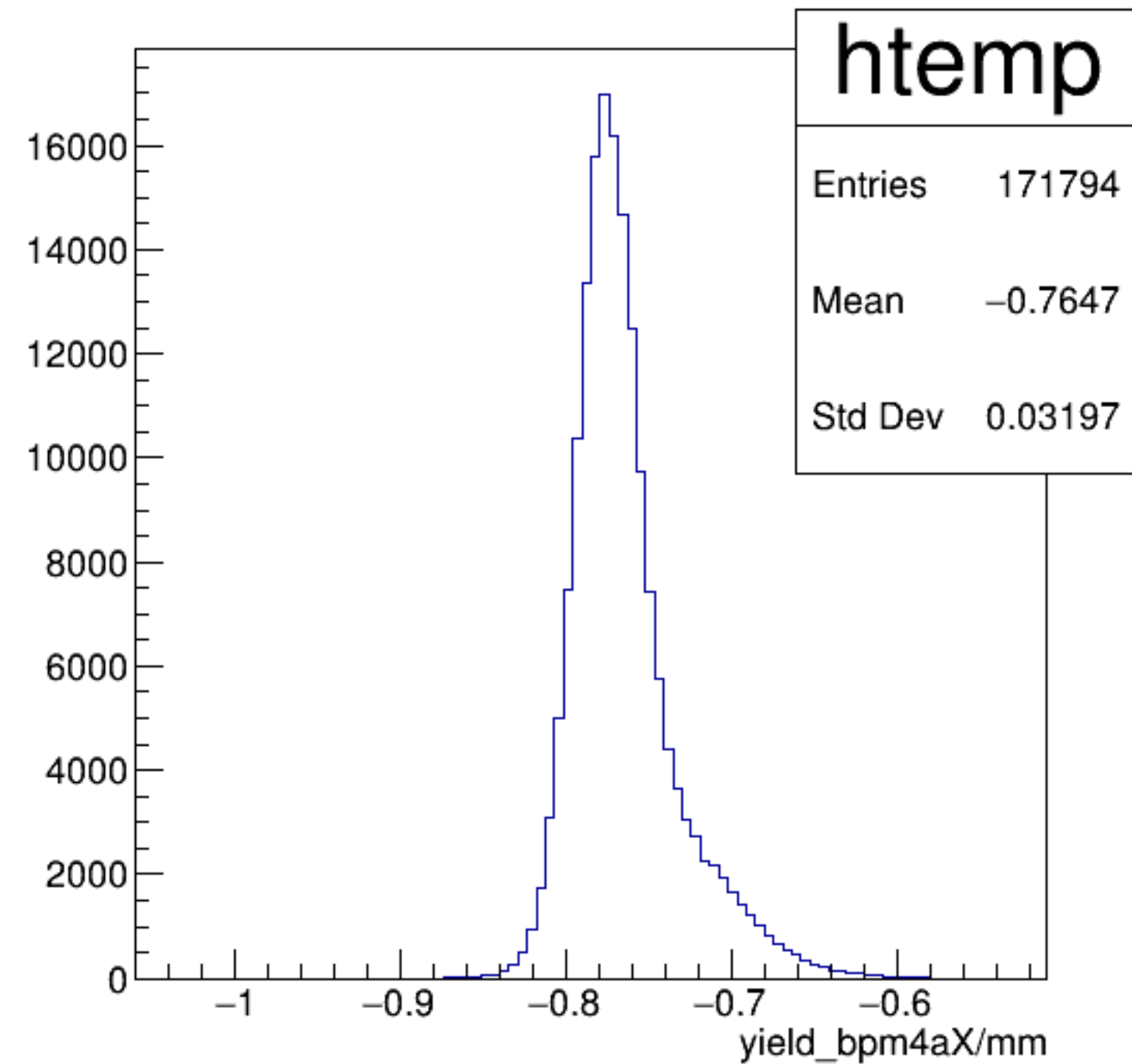


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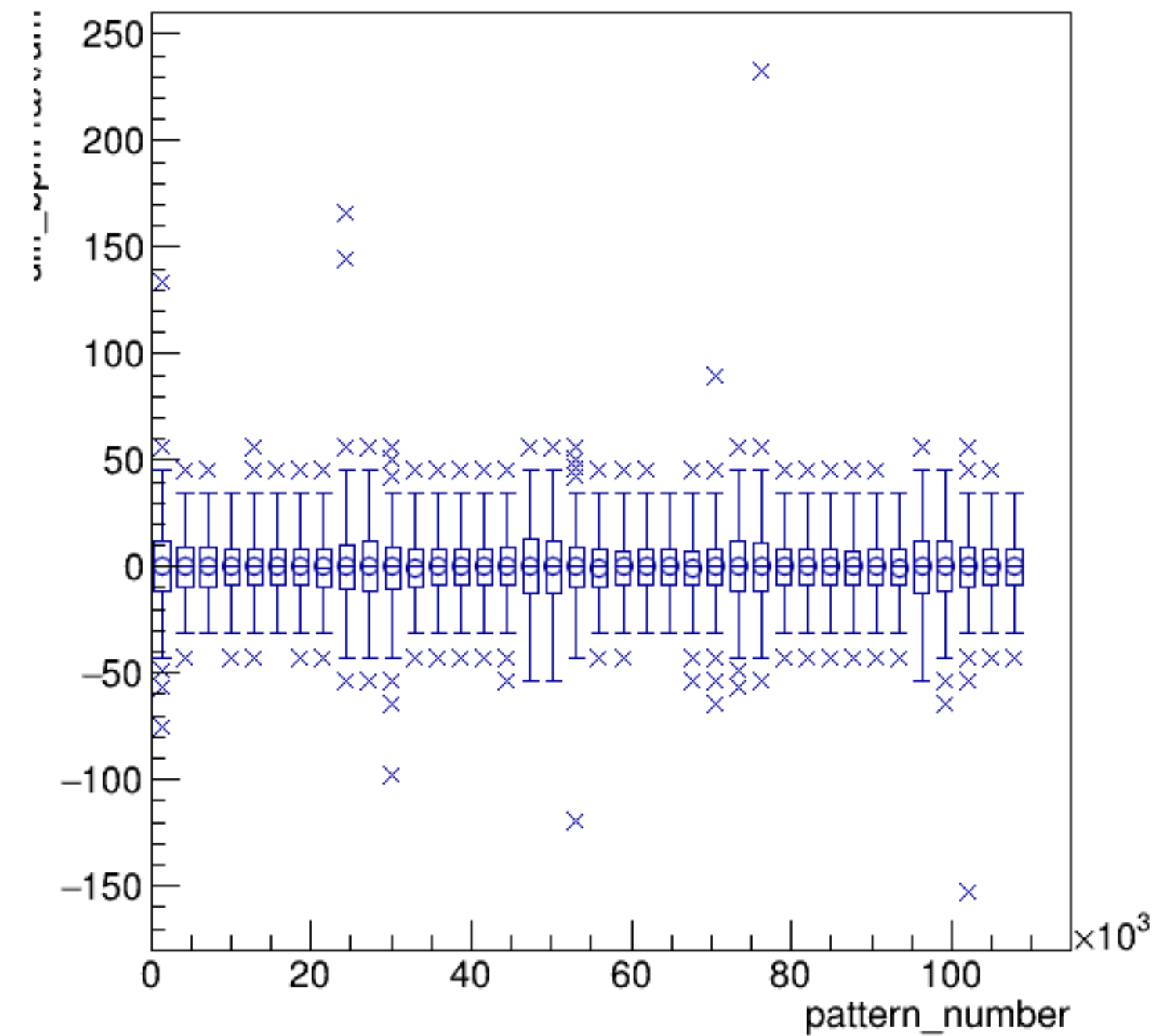


run7319_000_pairTree_bpm4aX.png

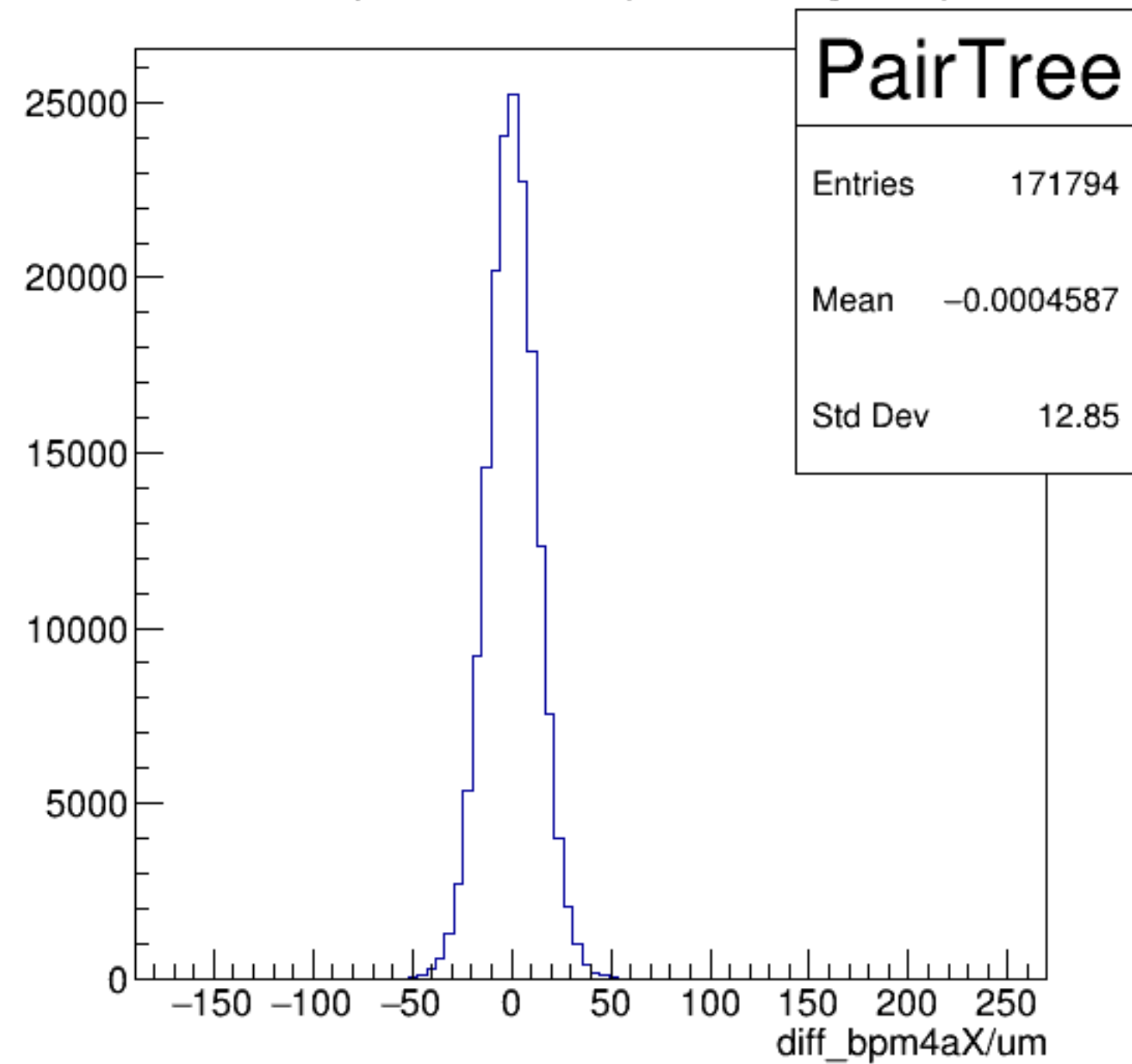
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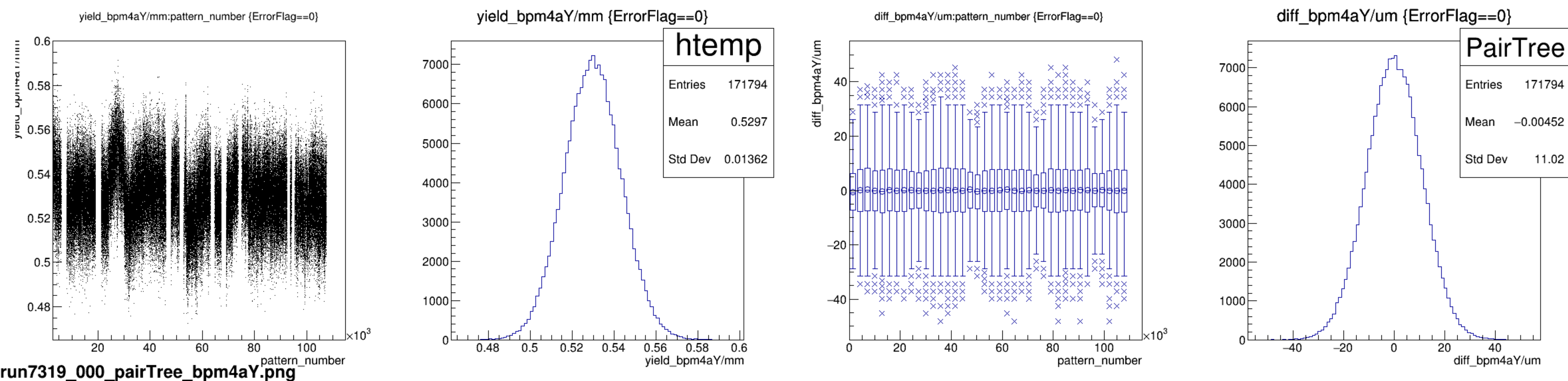


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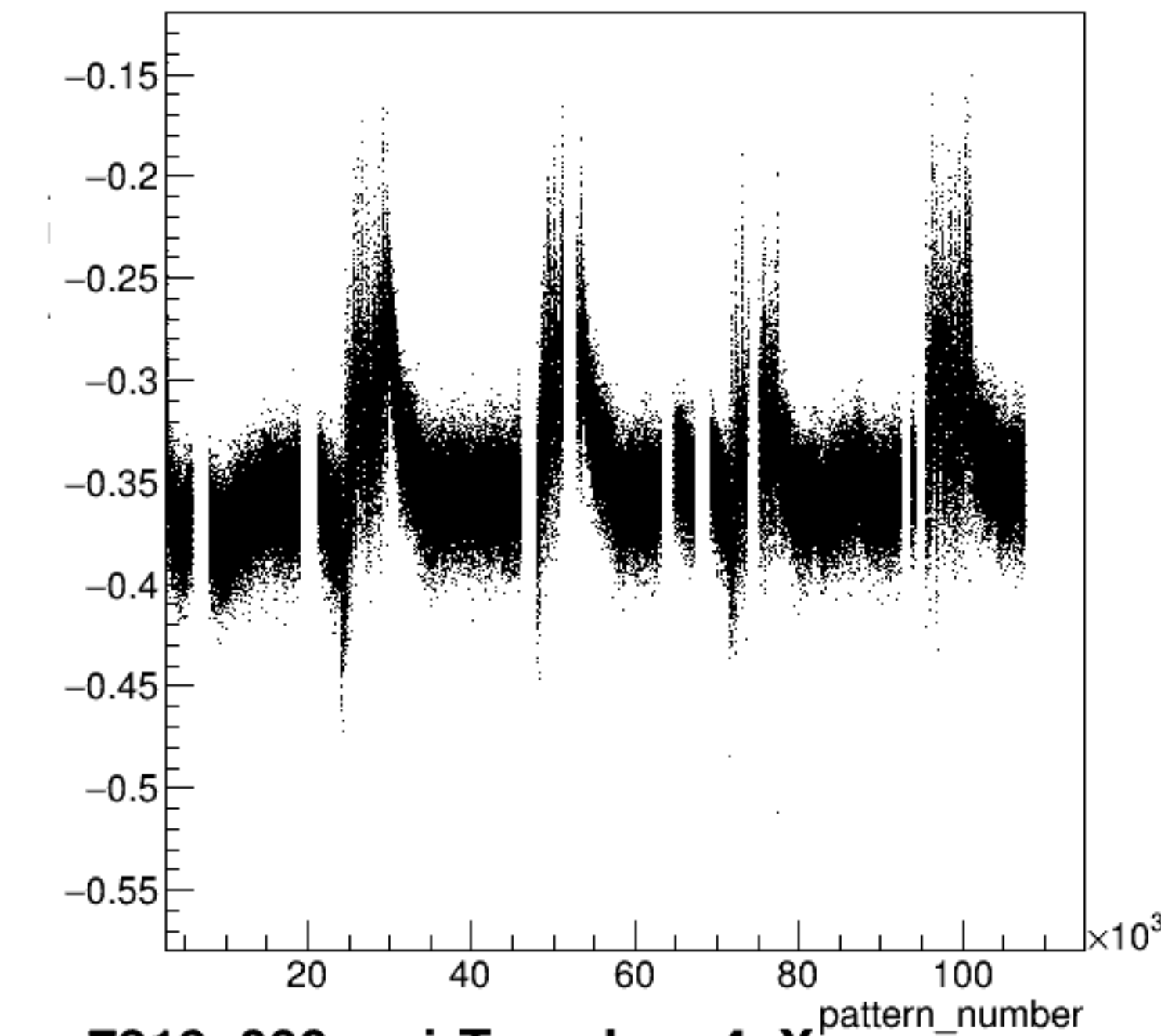


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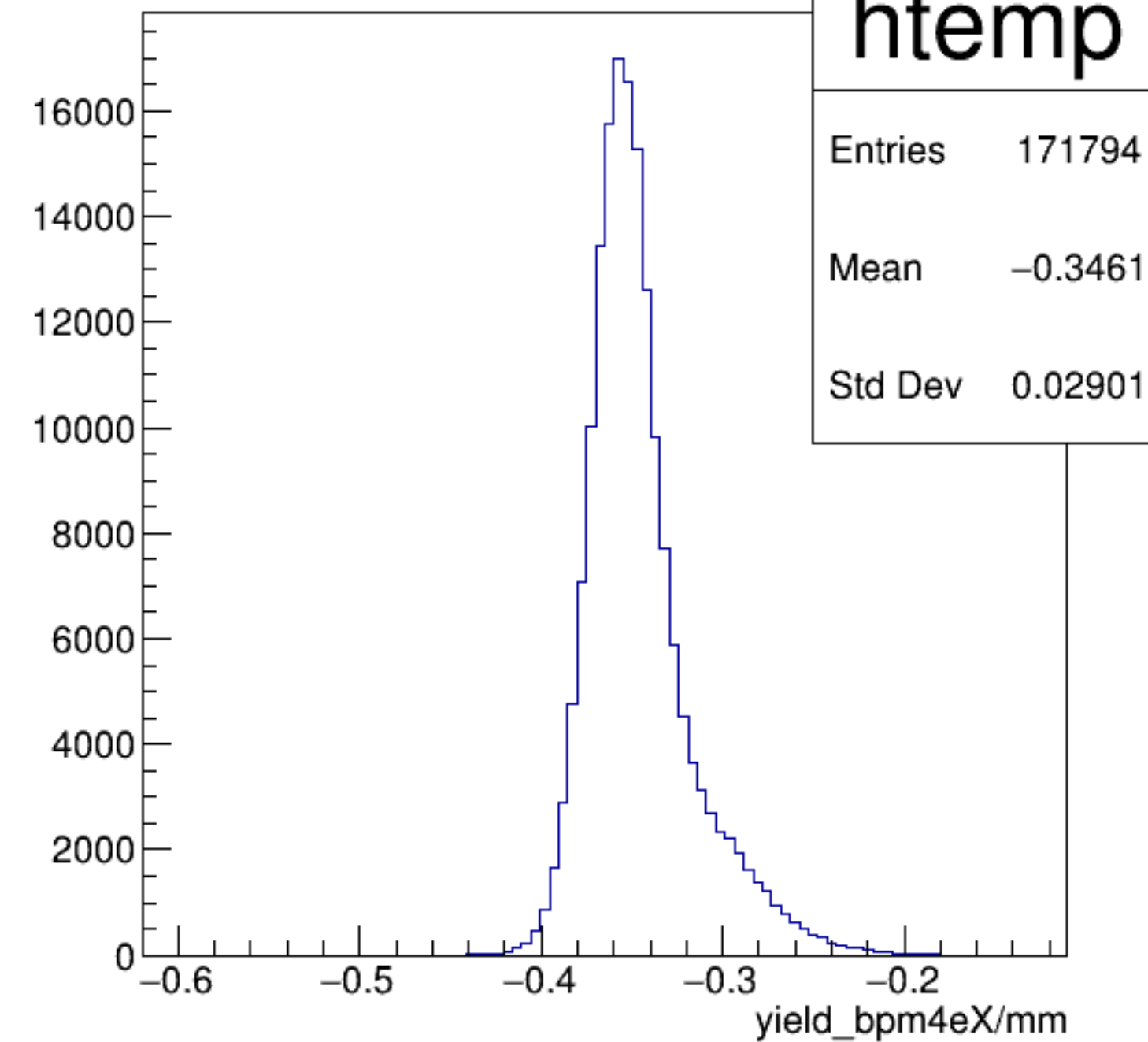




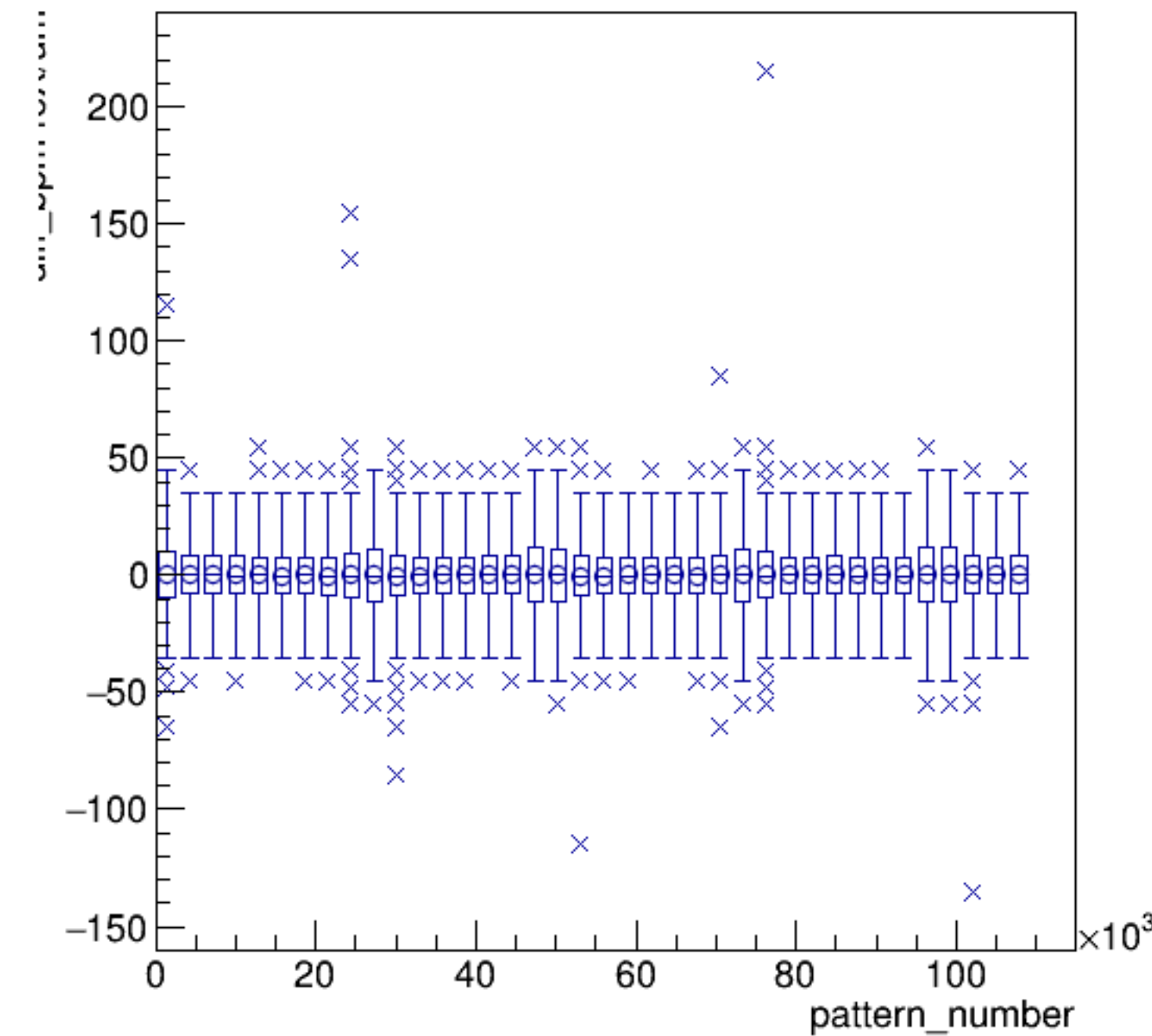
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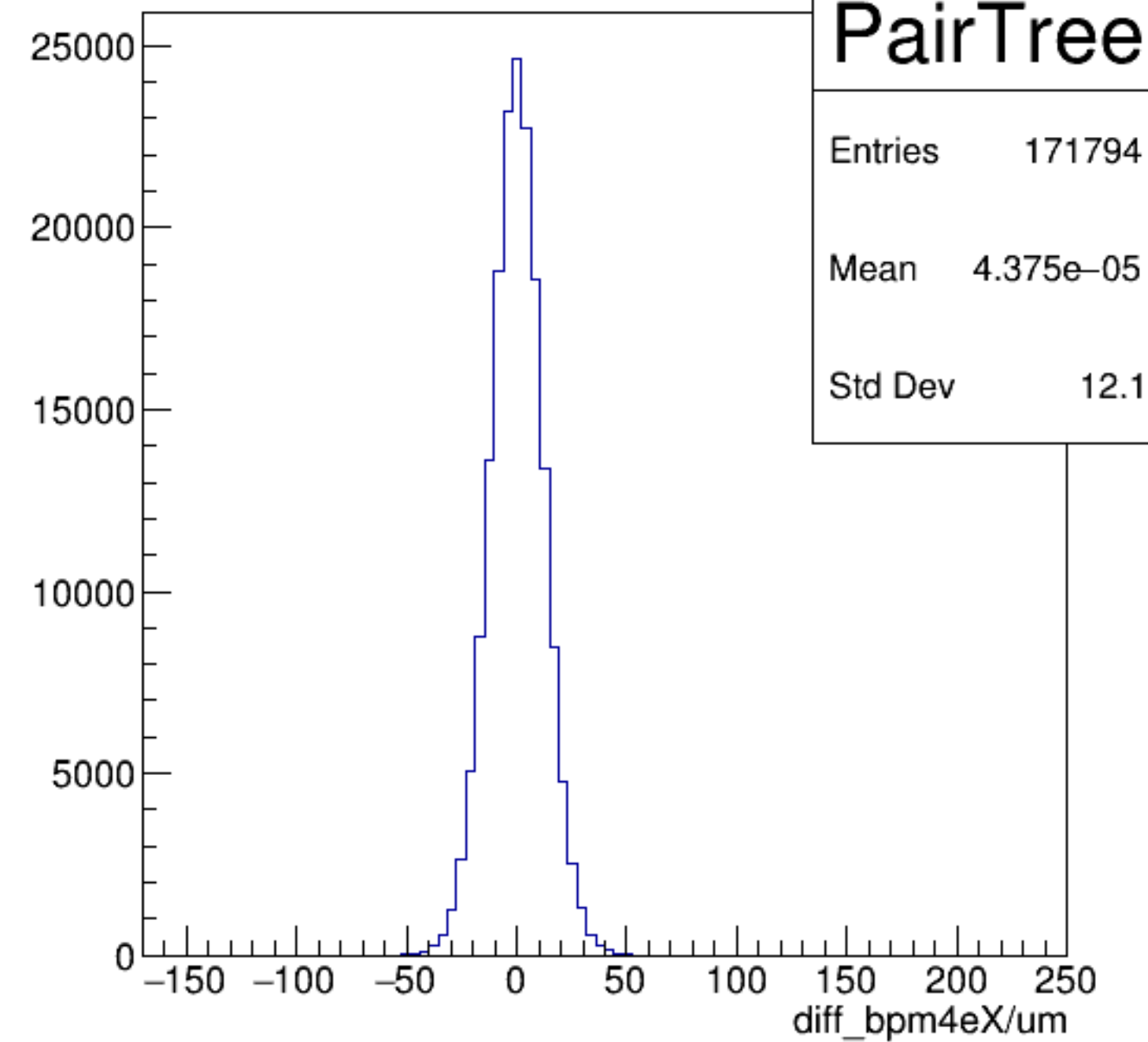
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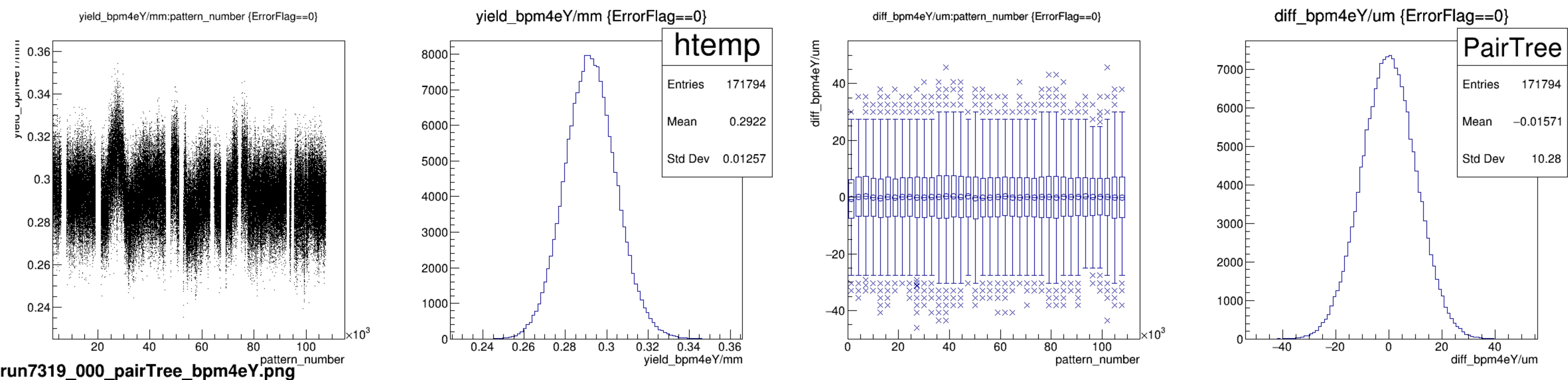


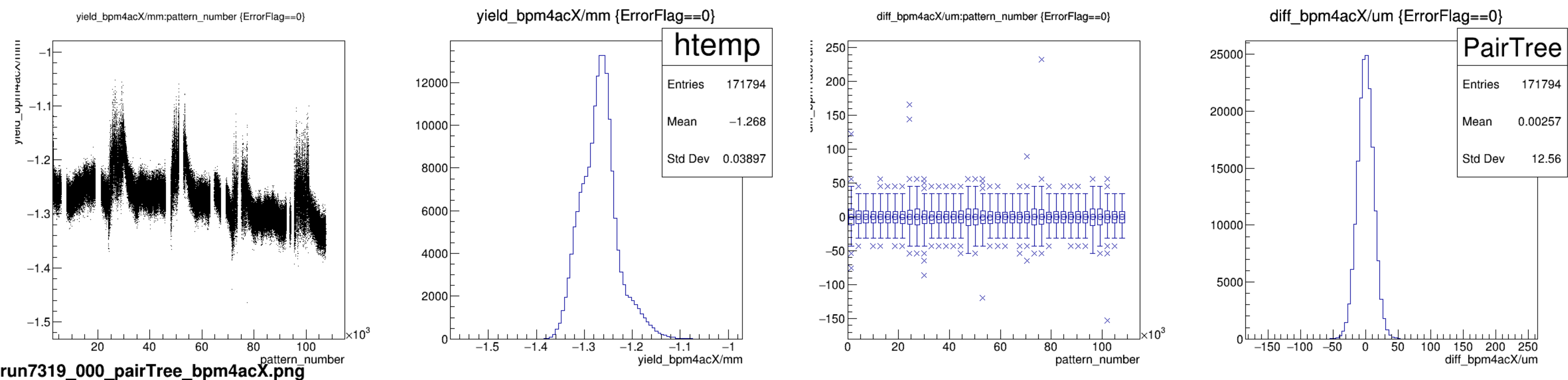
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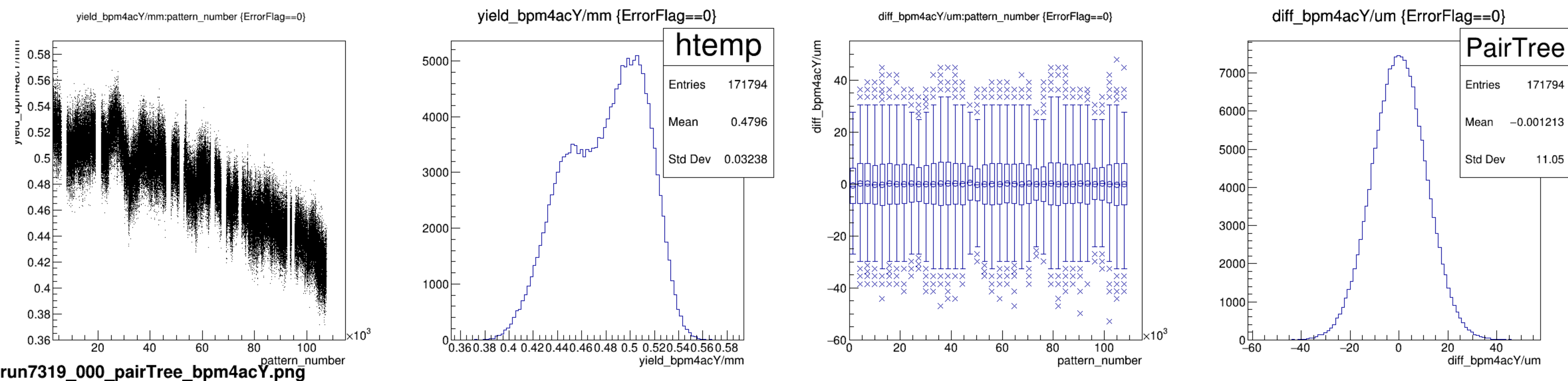


diff_bpm4eX/um {ErrorFlag==0}

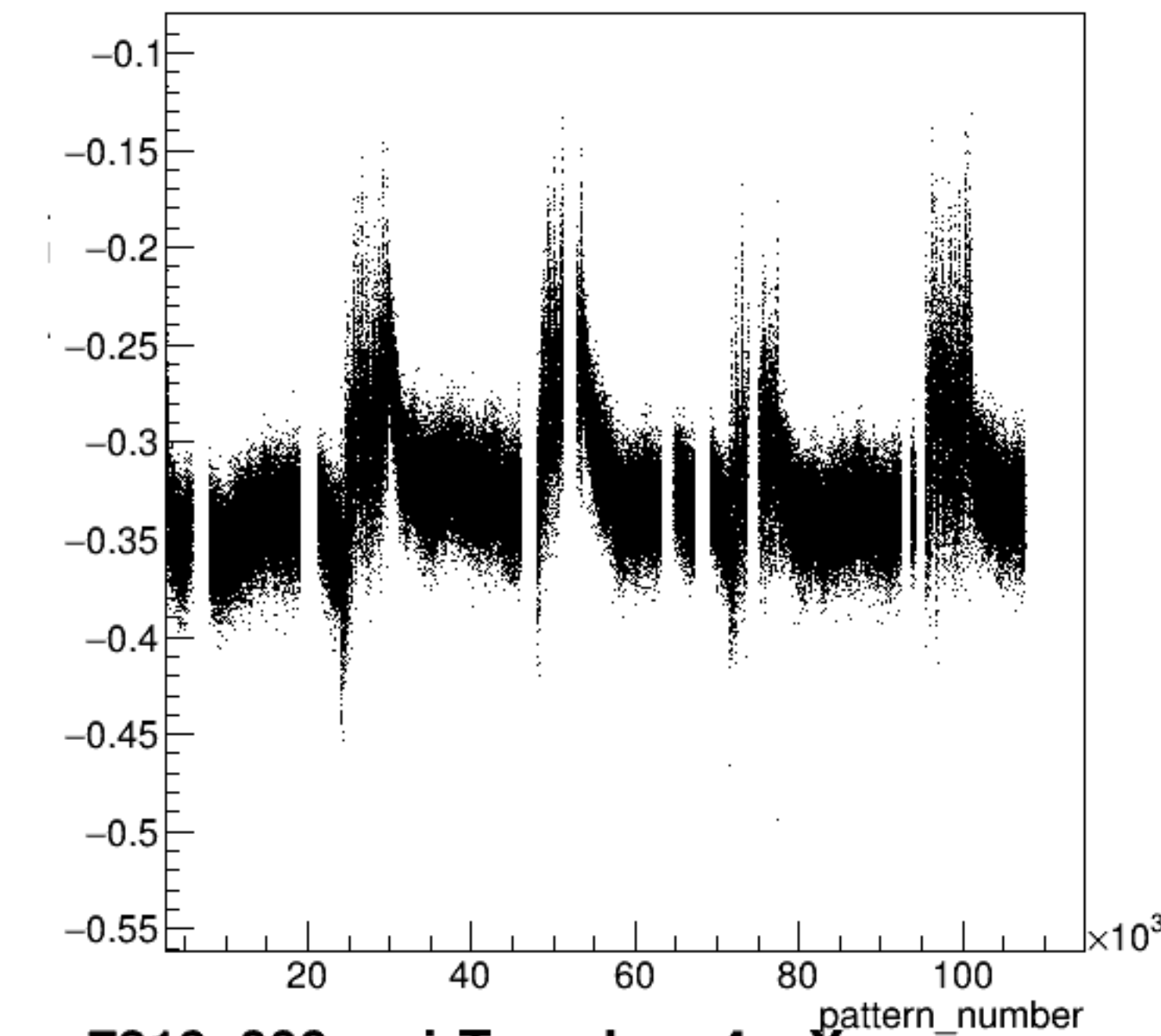






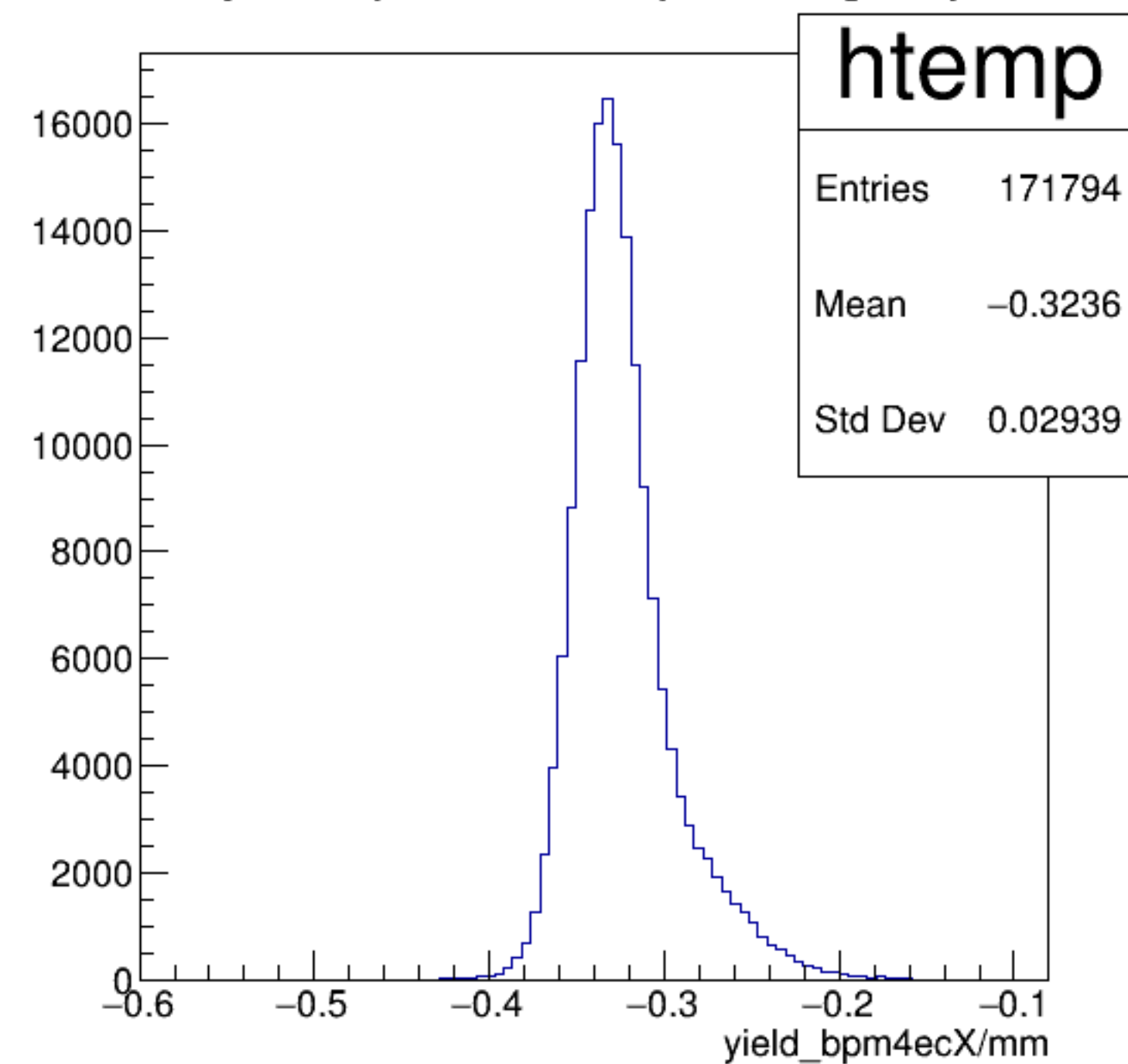


yield_bpm4ecX/mm:pattern_number {ErrorFlag==0}

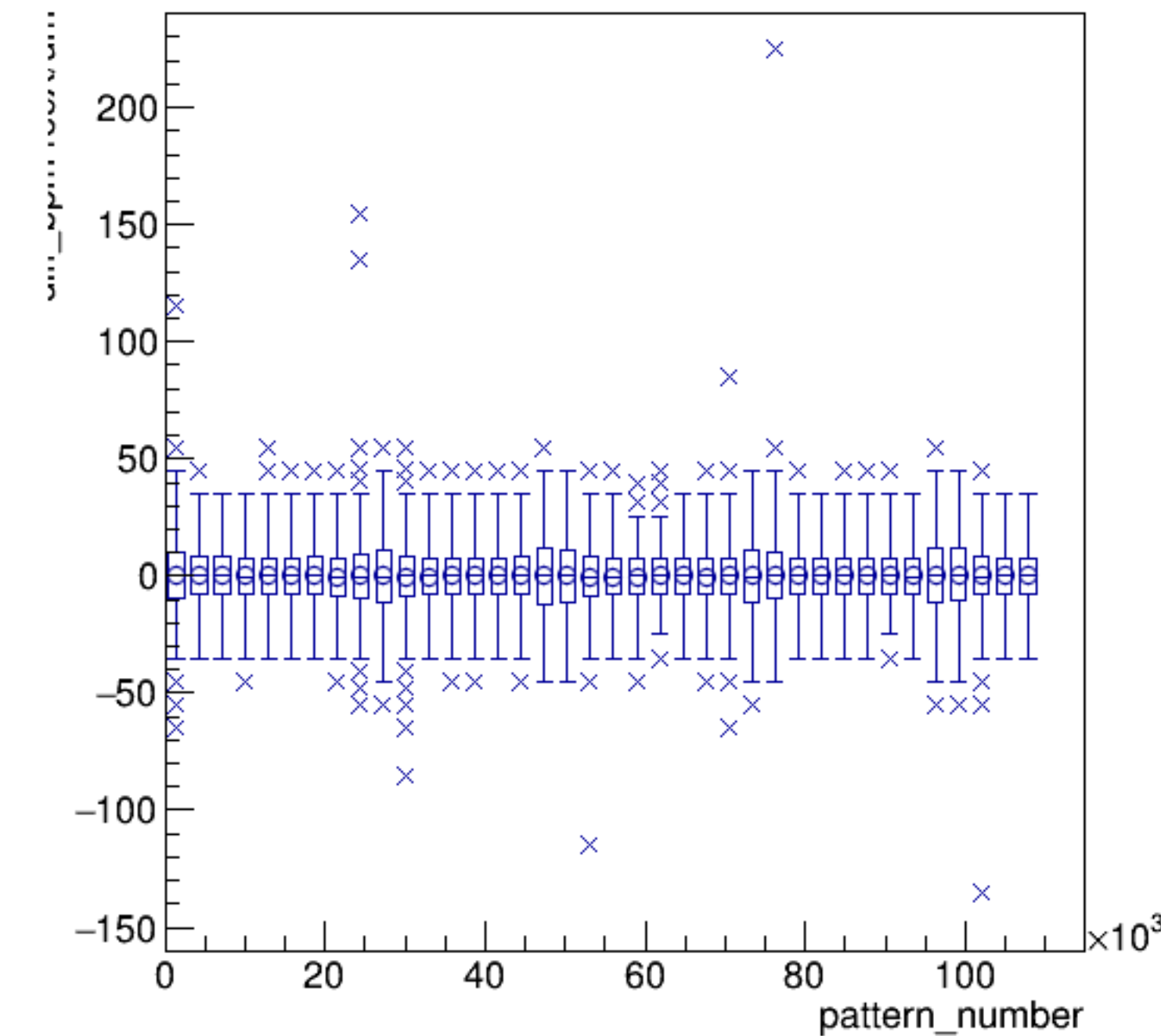


run7319_000_pairTree_bpm4ecX.png

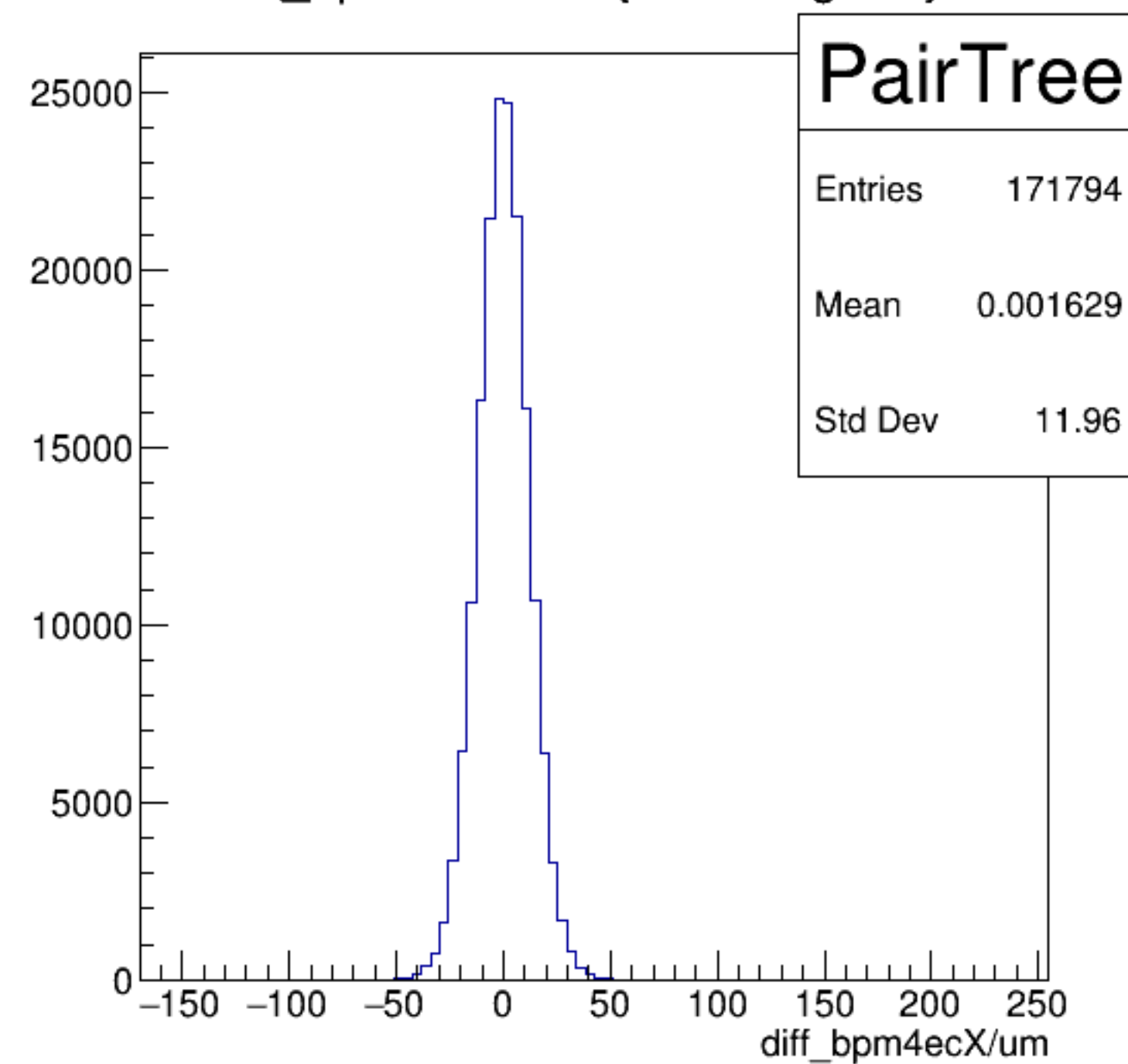
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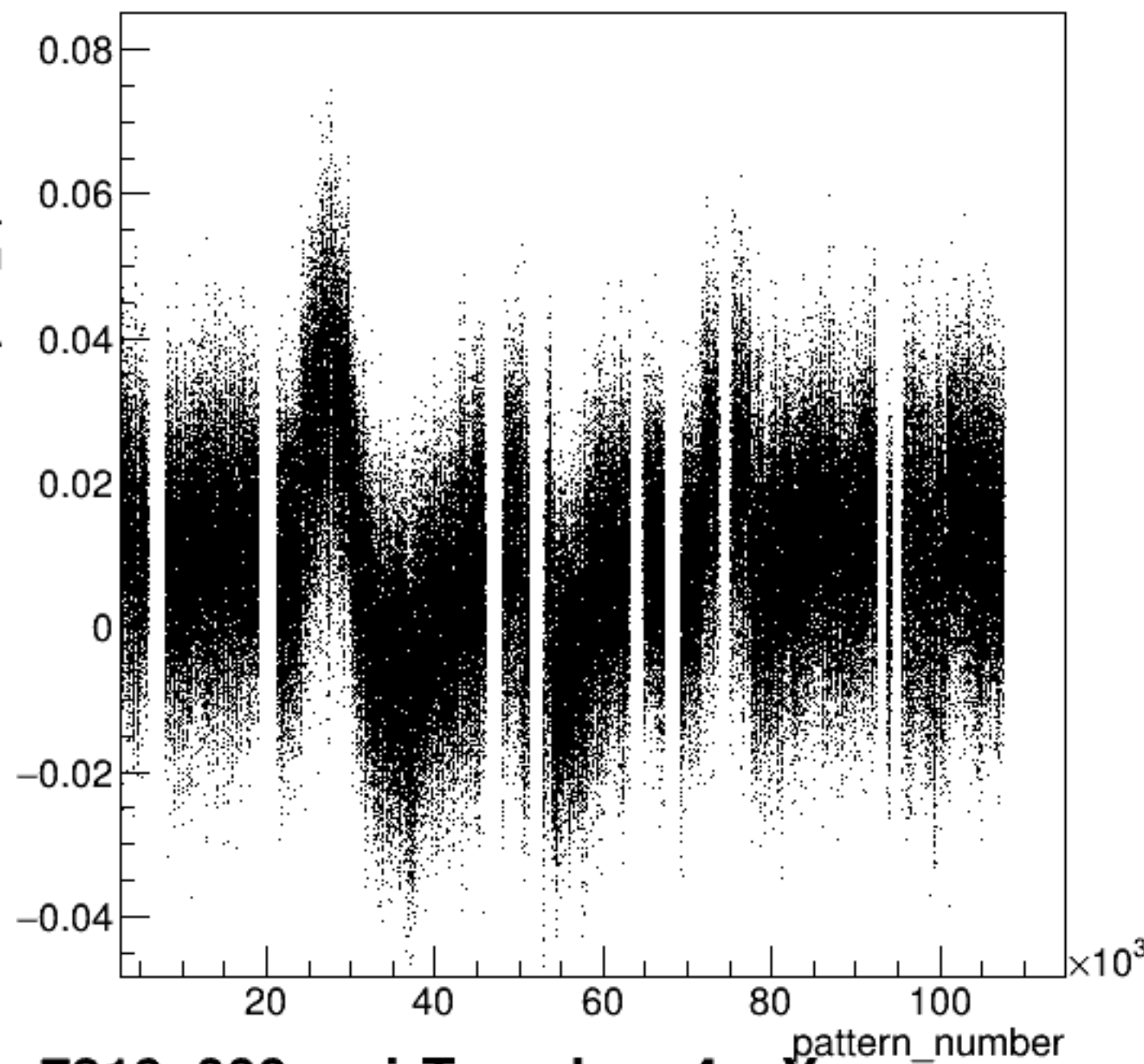
diff_bpm4ecX/um:pattern_number {ErrorFlag==0}



diff_bpm4ecX/um {ErrorFlag==0}

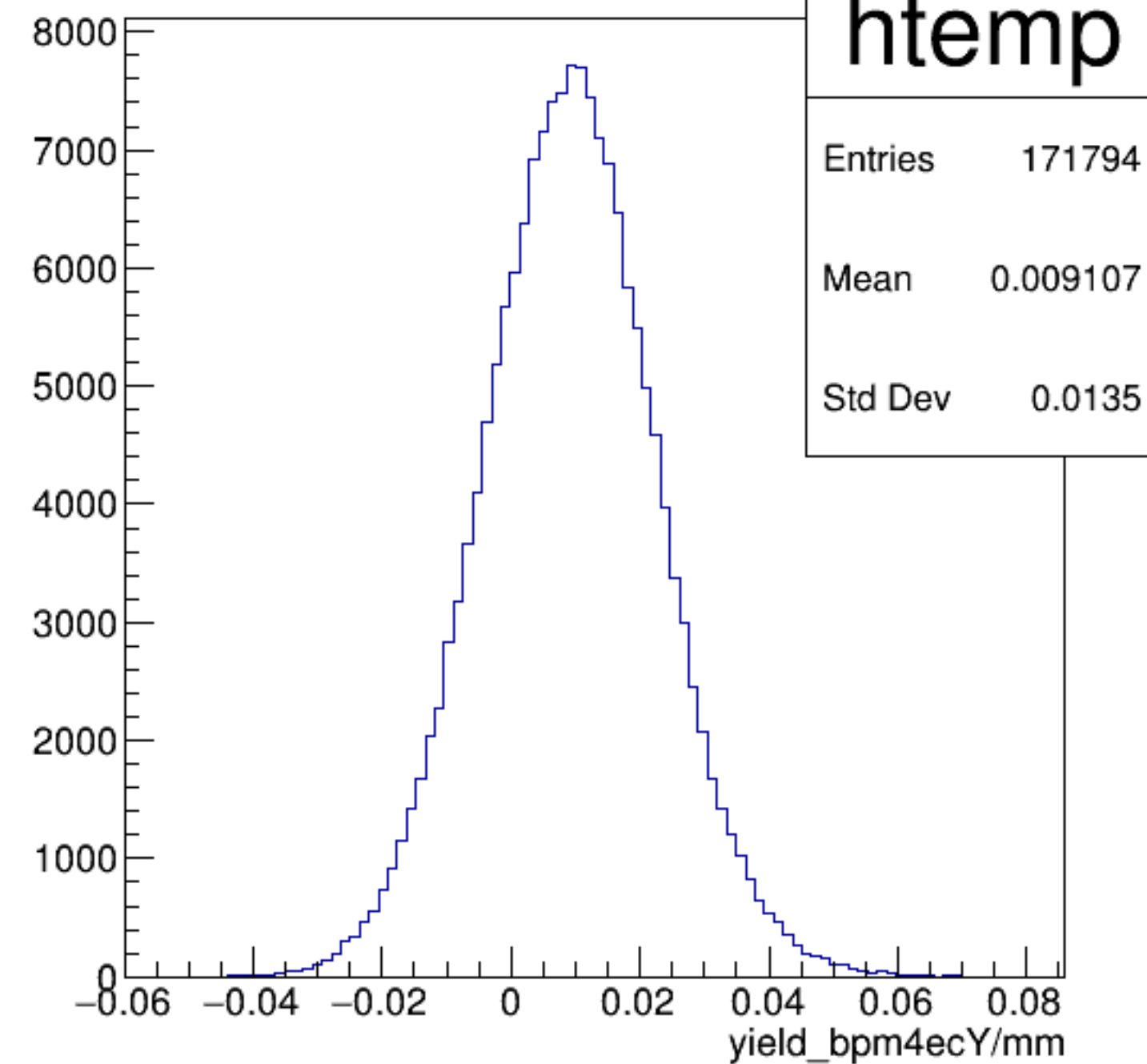


yield_bpm4ecY/mm:pattern_number {ErrorFlag==0}

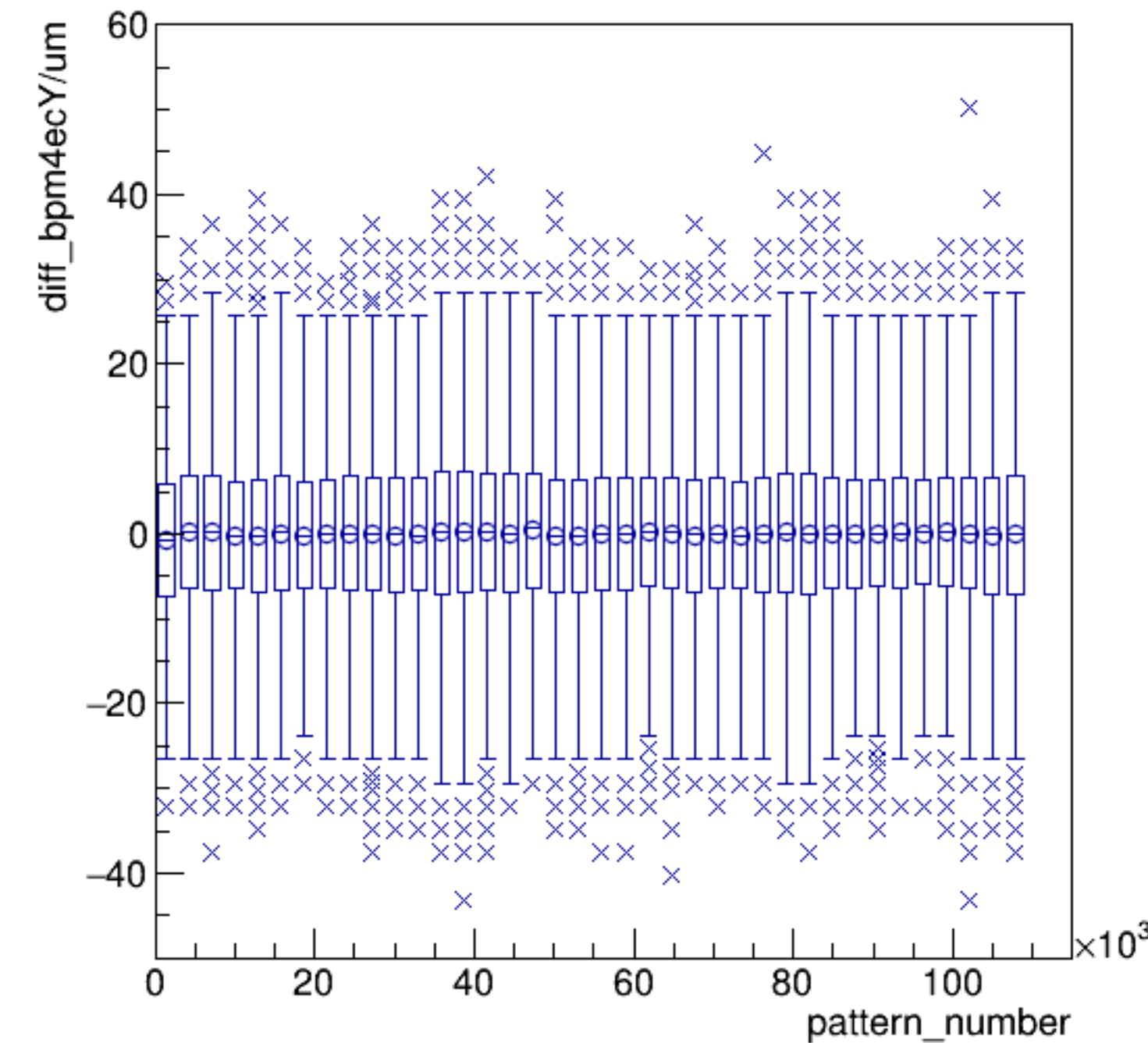


run7319_000_pairTree_bpm4ecY.png

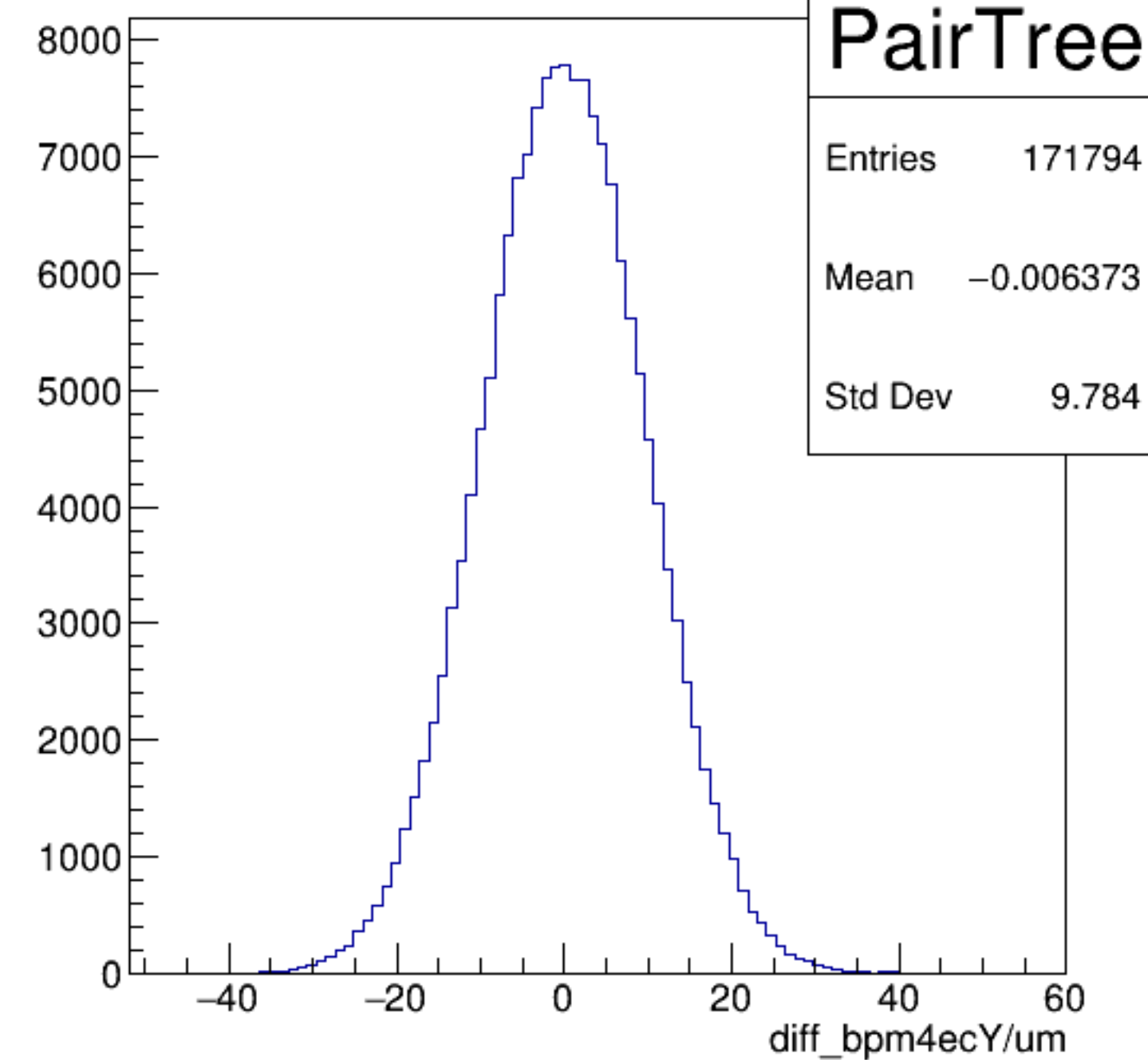
yield_bpm4ecY/mm {ErrorFlag==0}



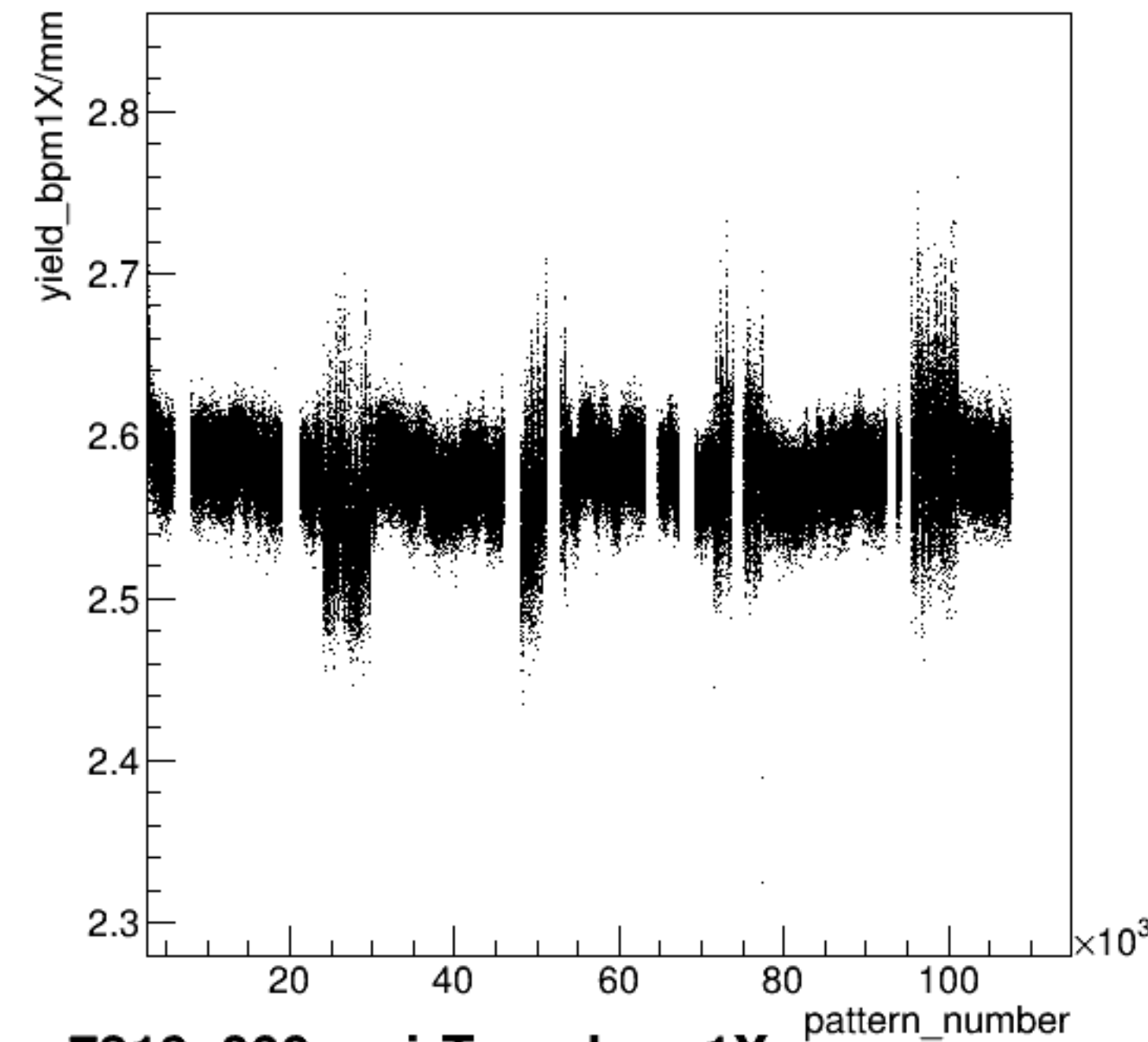
diff_bpm4ecY/um:pattern_number {ErrorFlag==0}



diff_bpm4ecY/um {ErrorFlag==0}

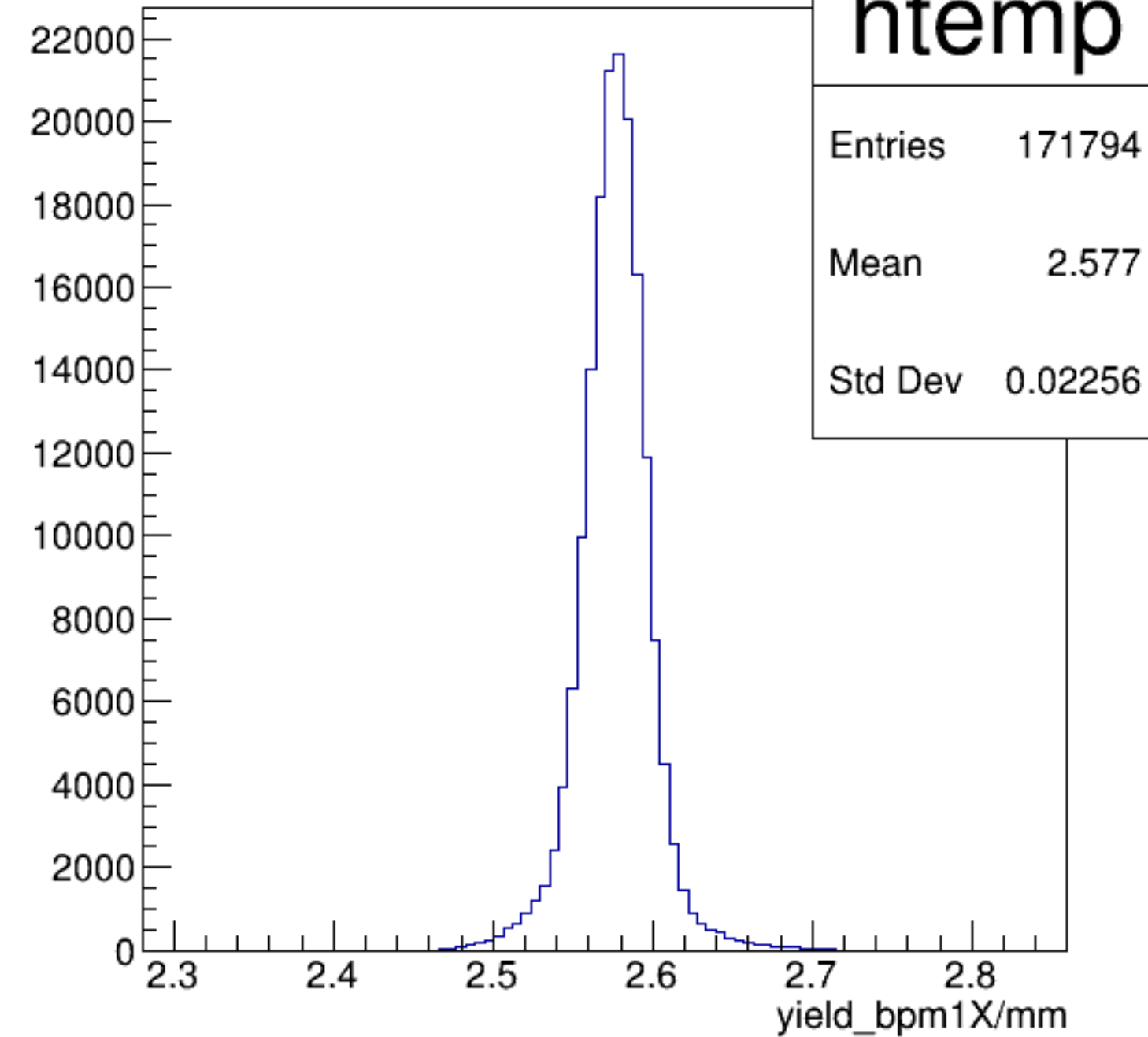


yield_bpm1X/mm:pattern_number {ErrorFlag==0}

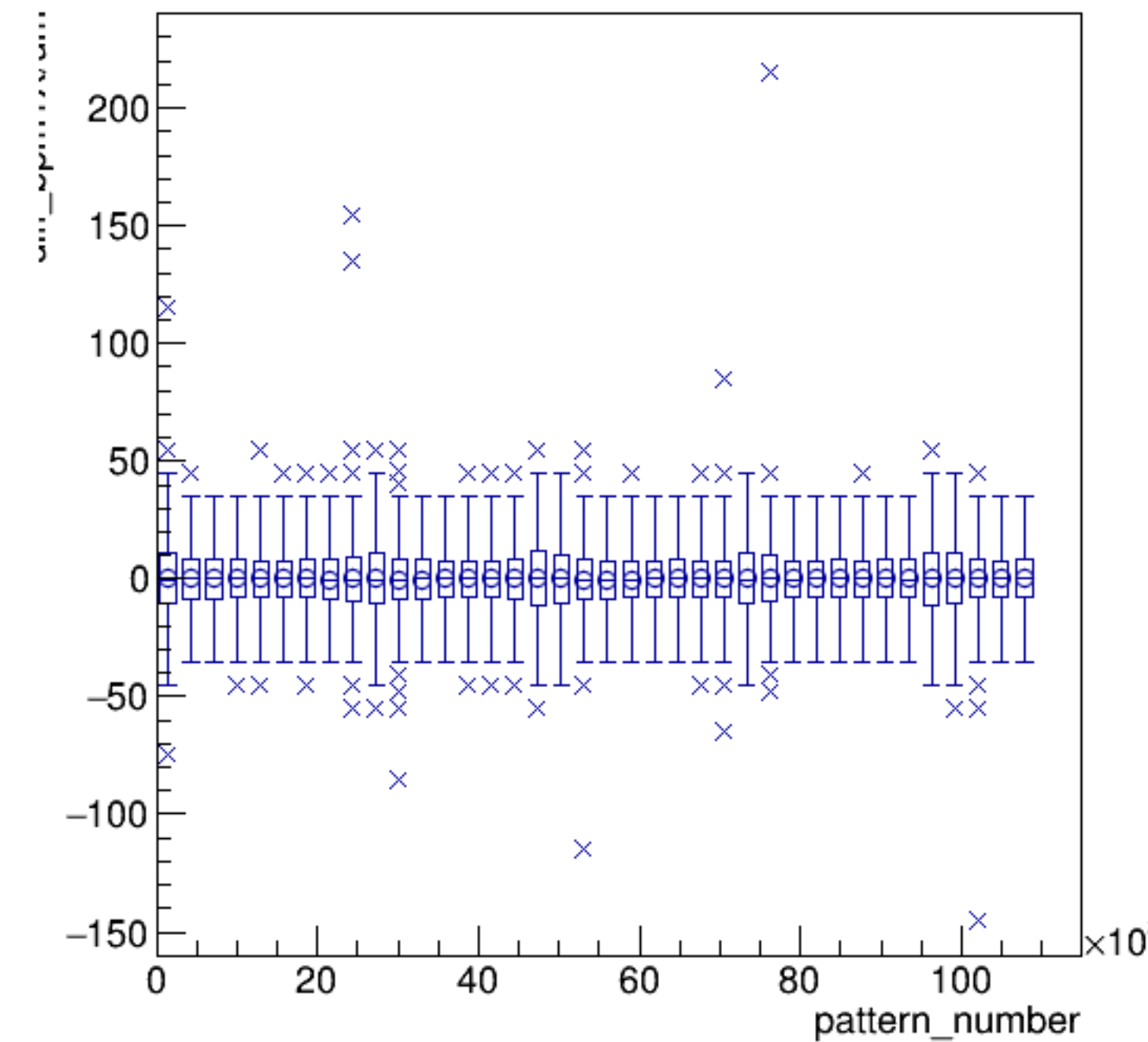


run7319_000_pairTree_bpm1X.png

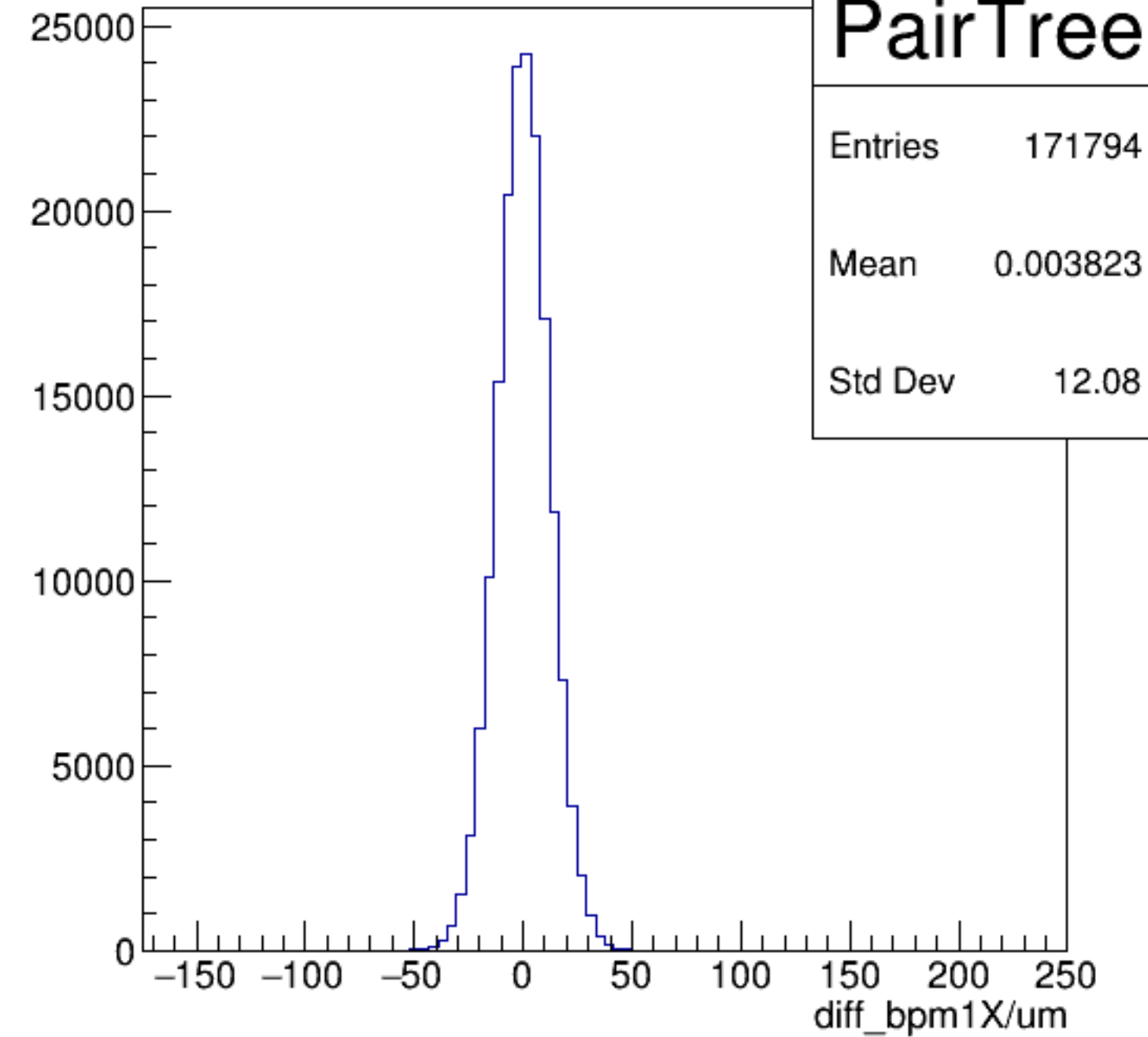
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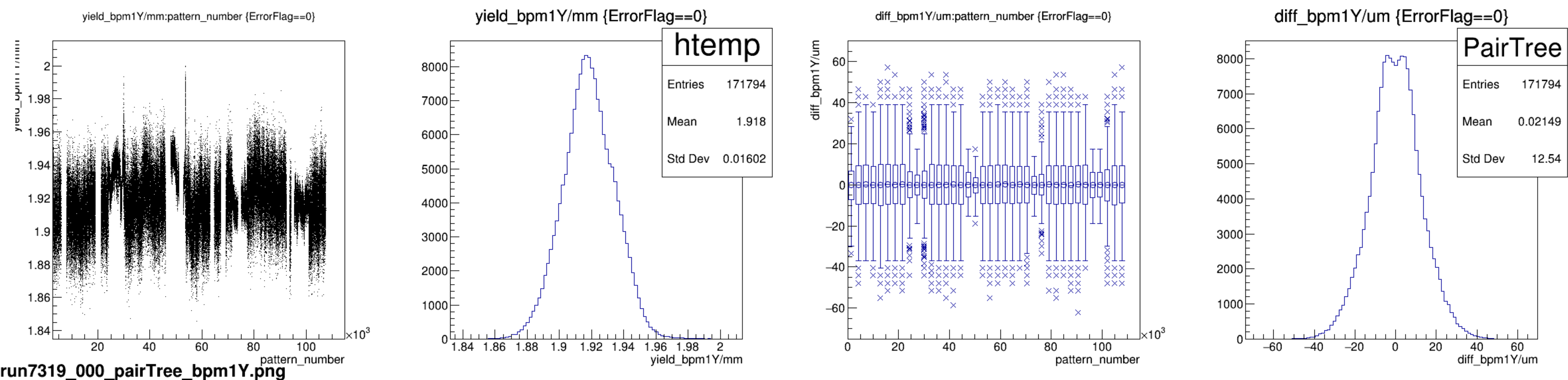


diff_bpm1X/um:pattern_number {ErrorFlag==0}

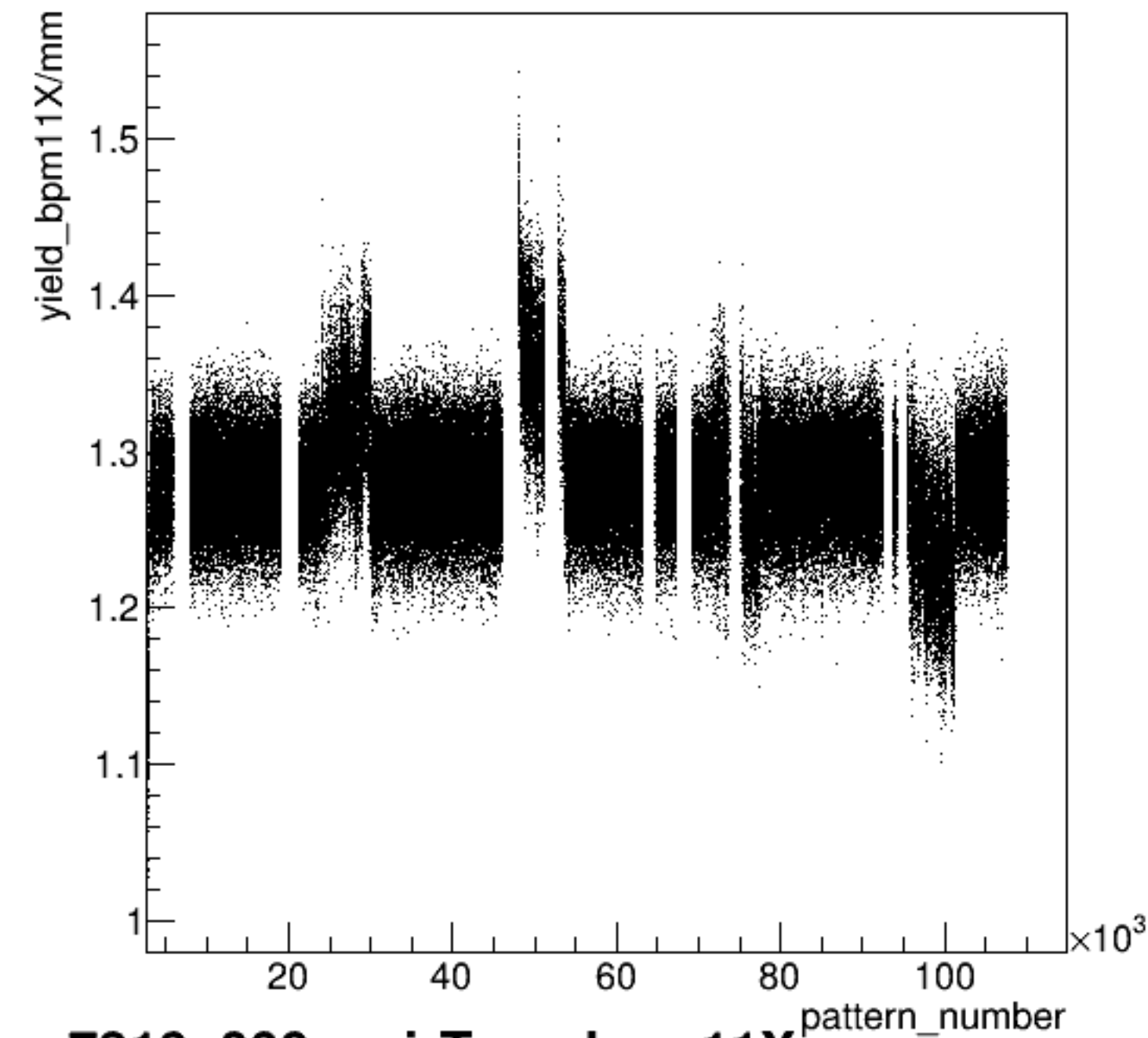


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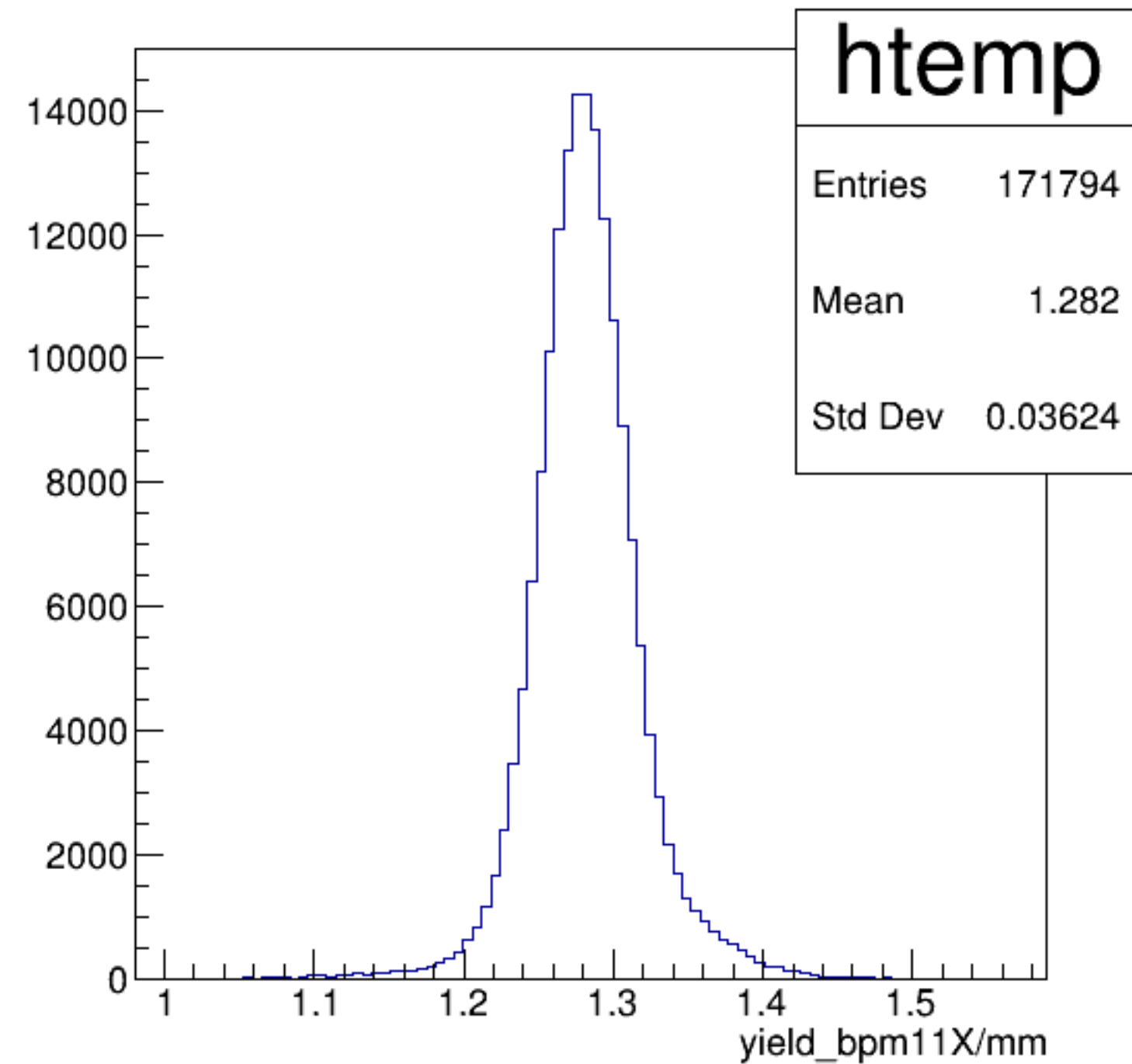


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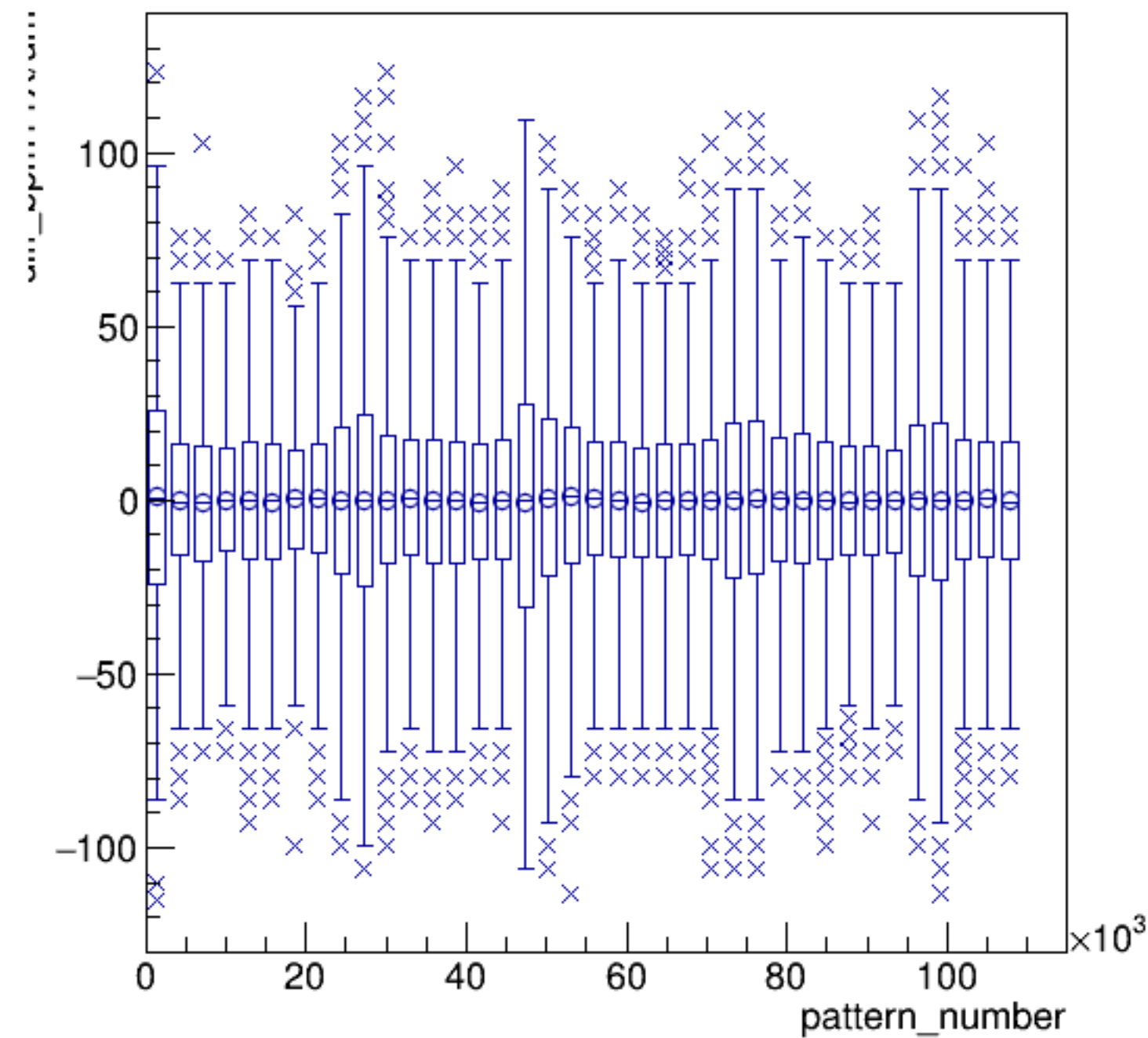


run7319_000_pairTree_bpm11X.png

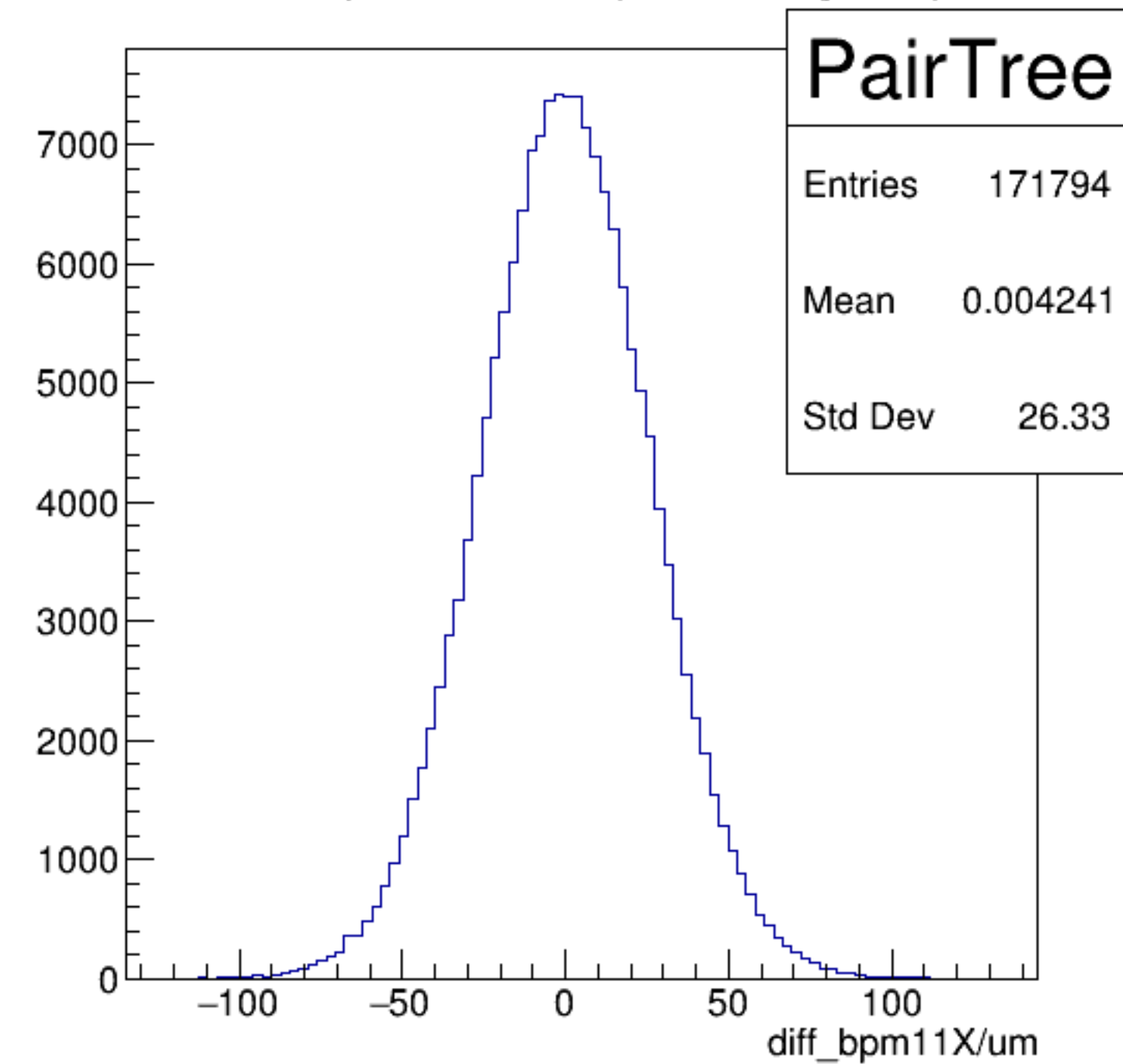
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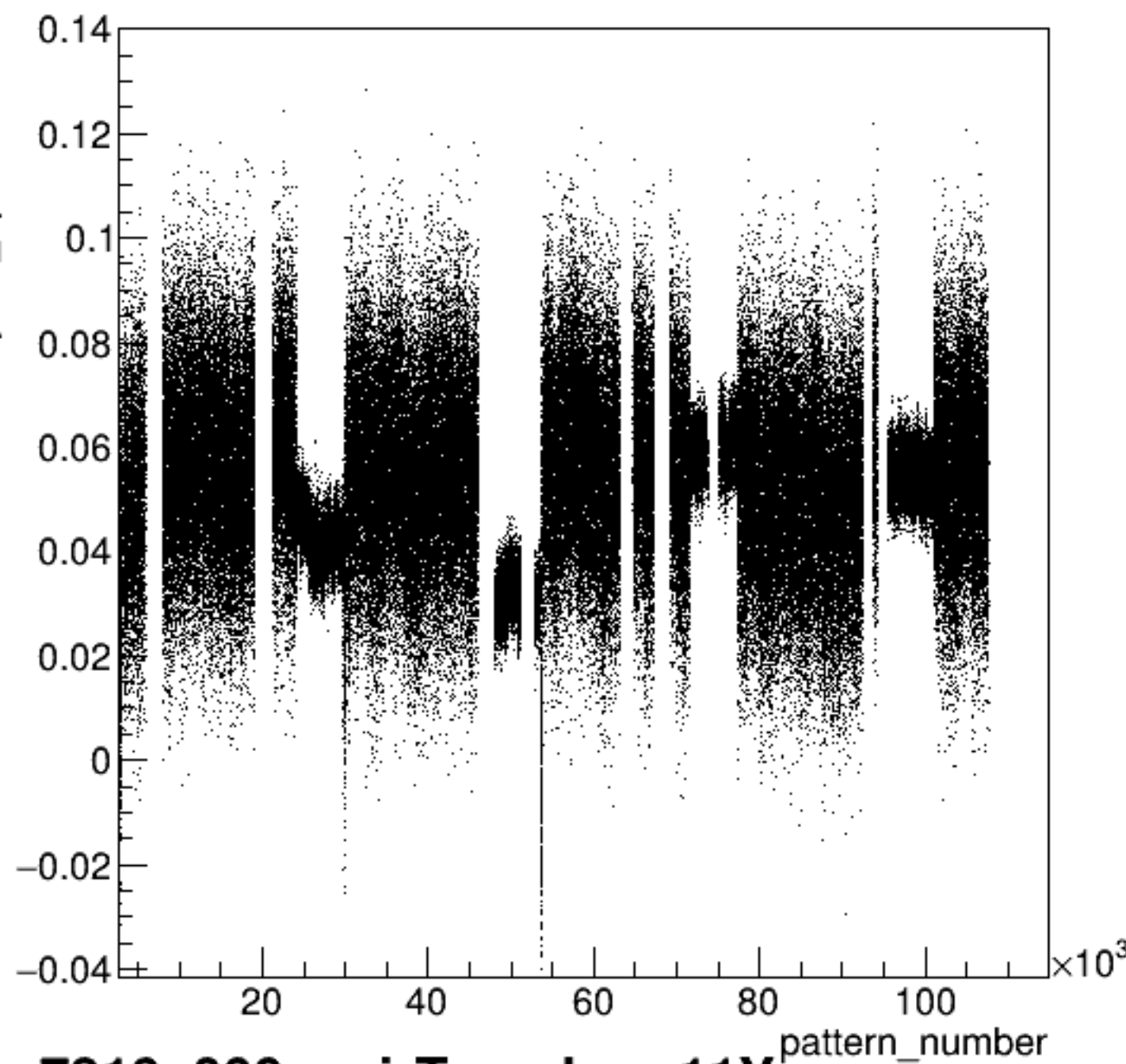
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diff_bpm11X/um {ErrorFlag==0}

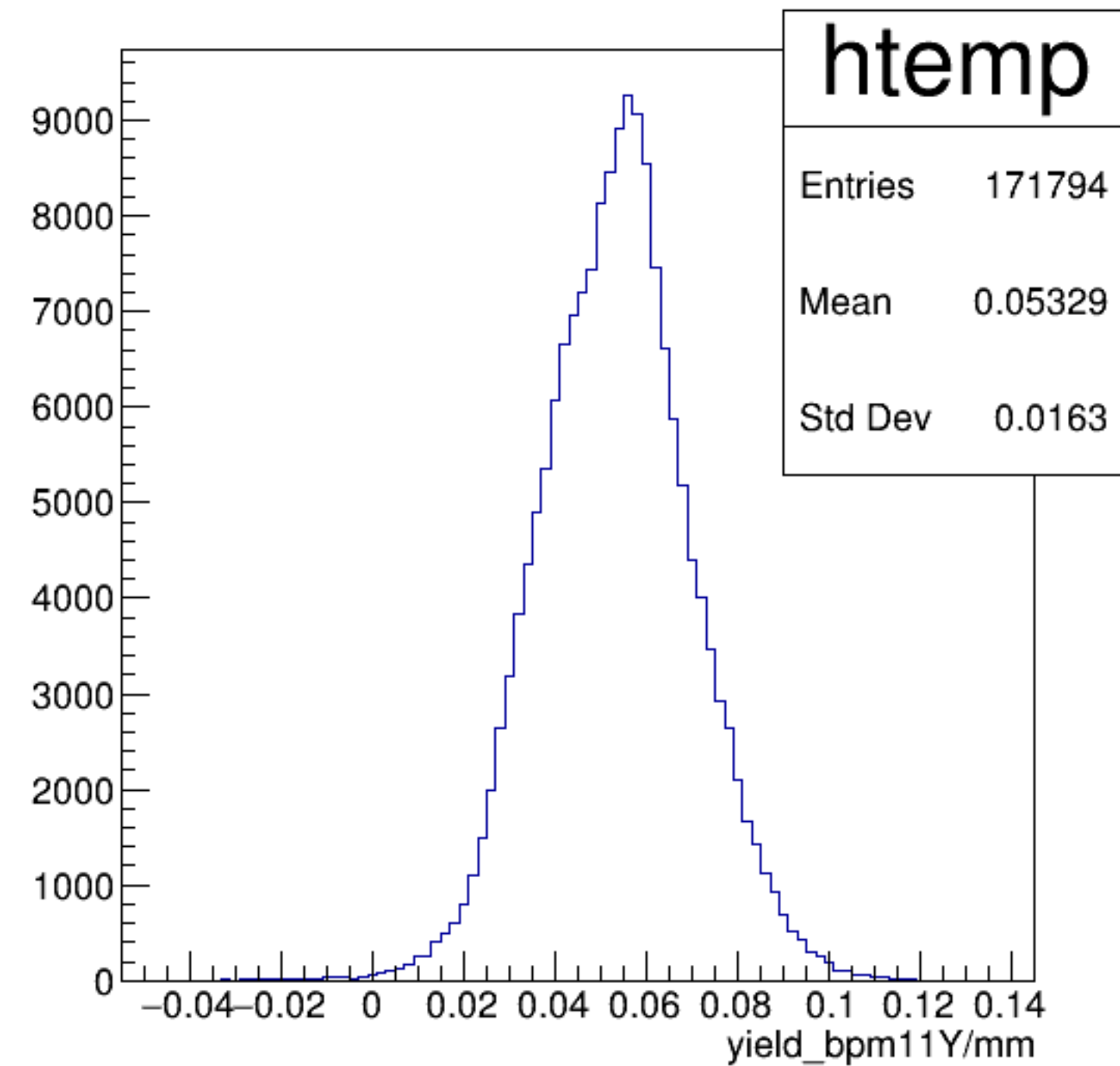


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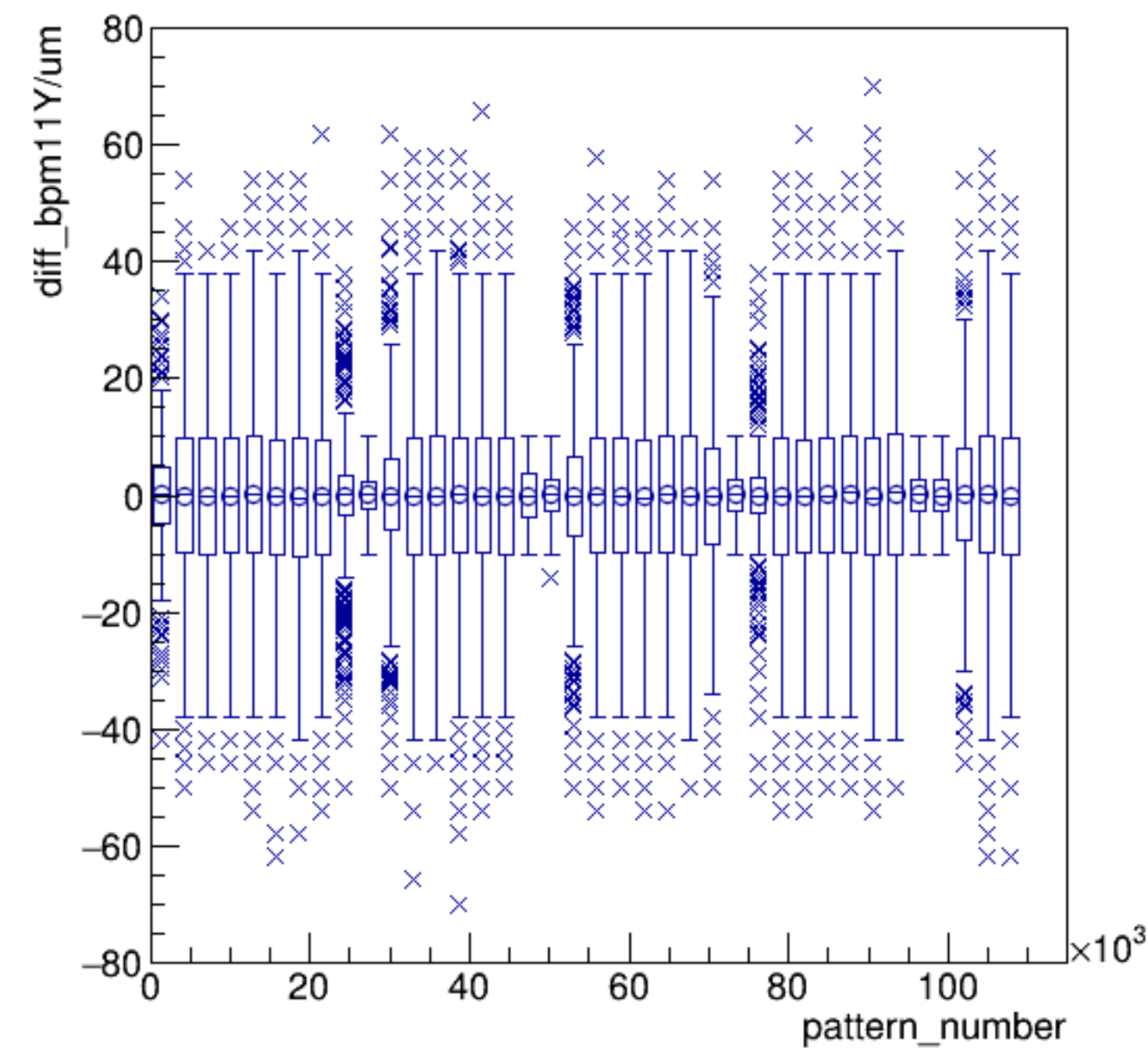


run7319_000_pairTree_bpm11Y.png

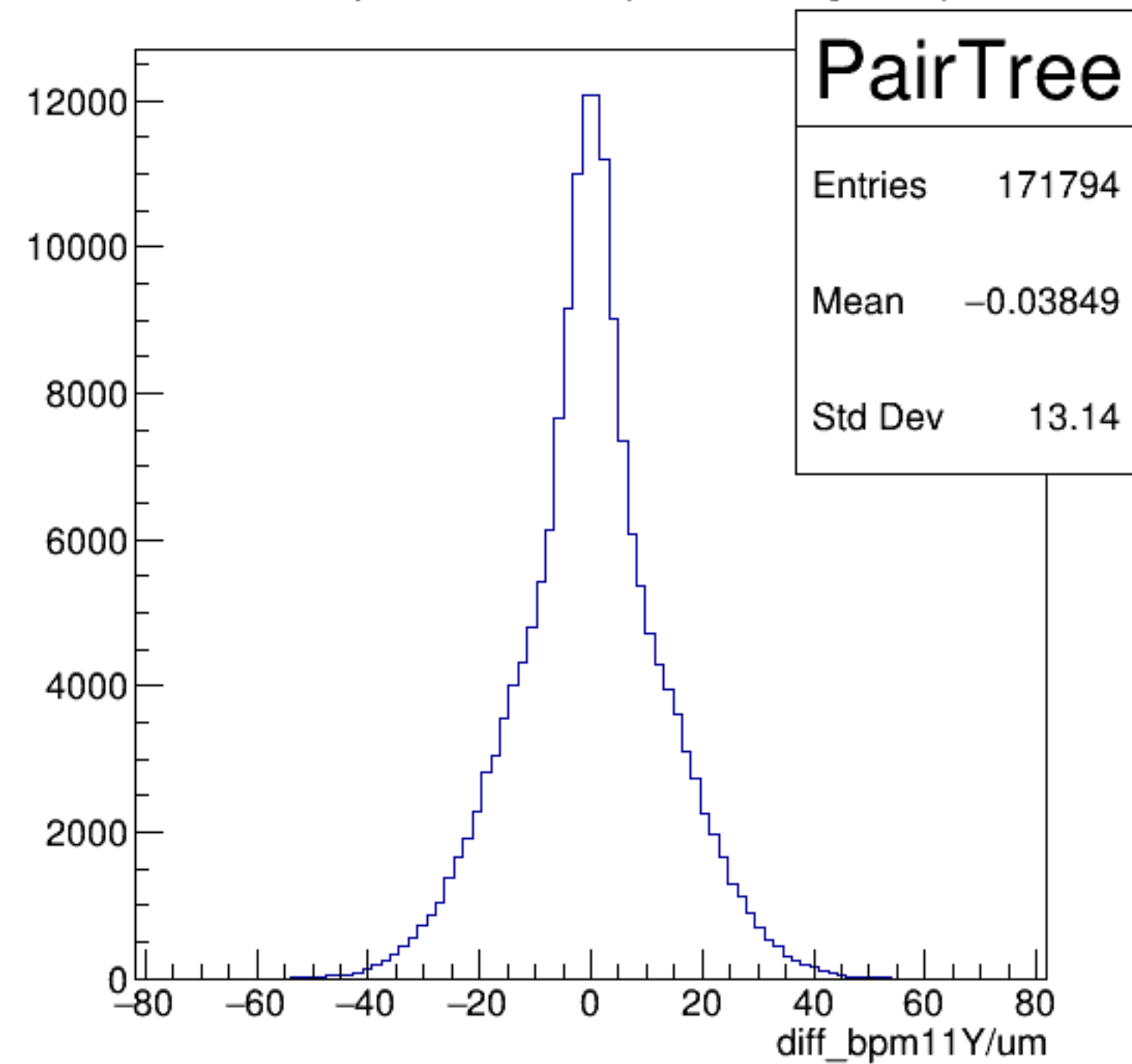
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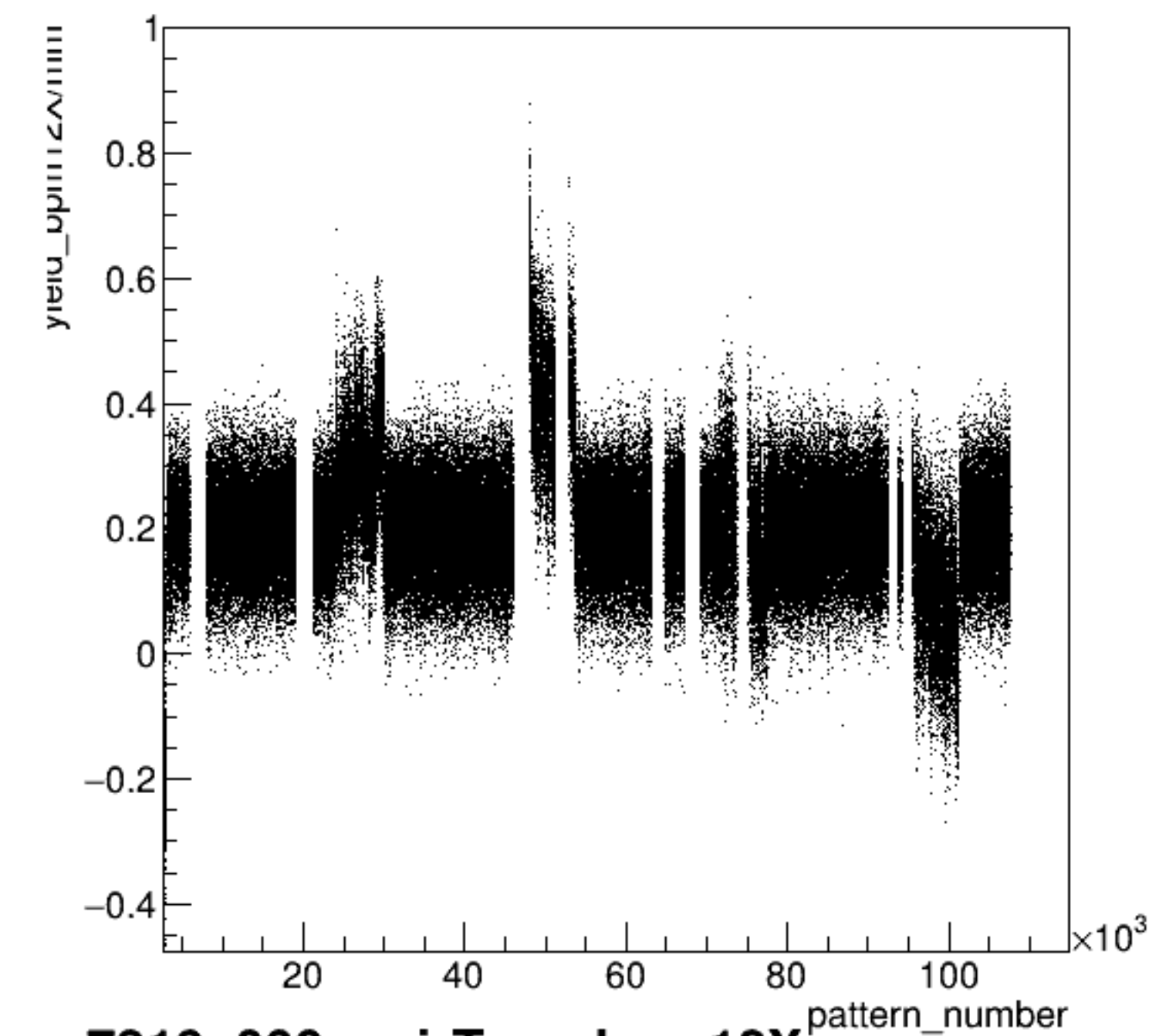
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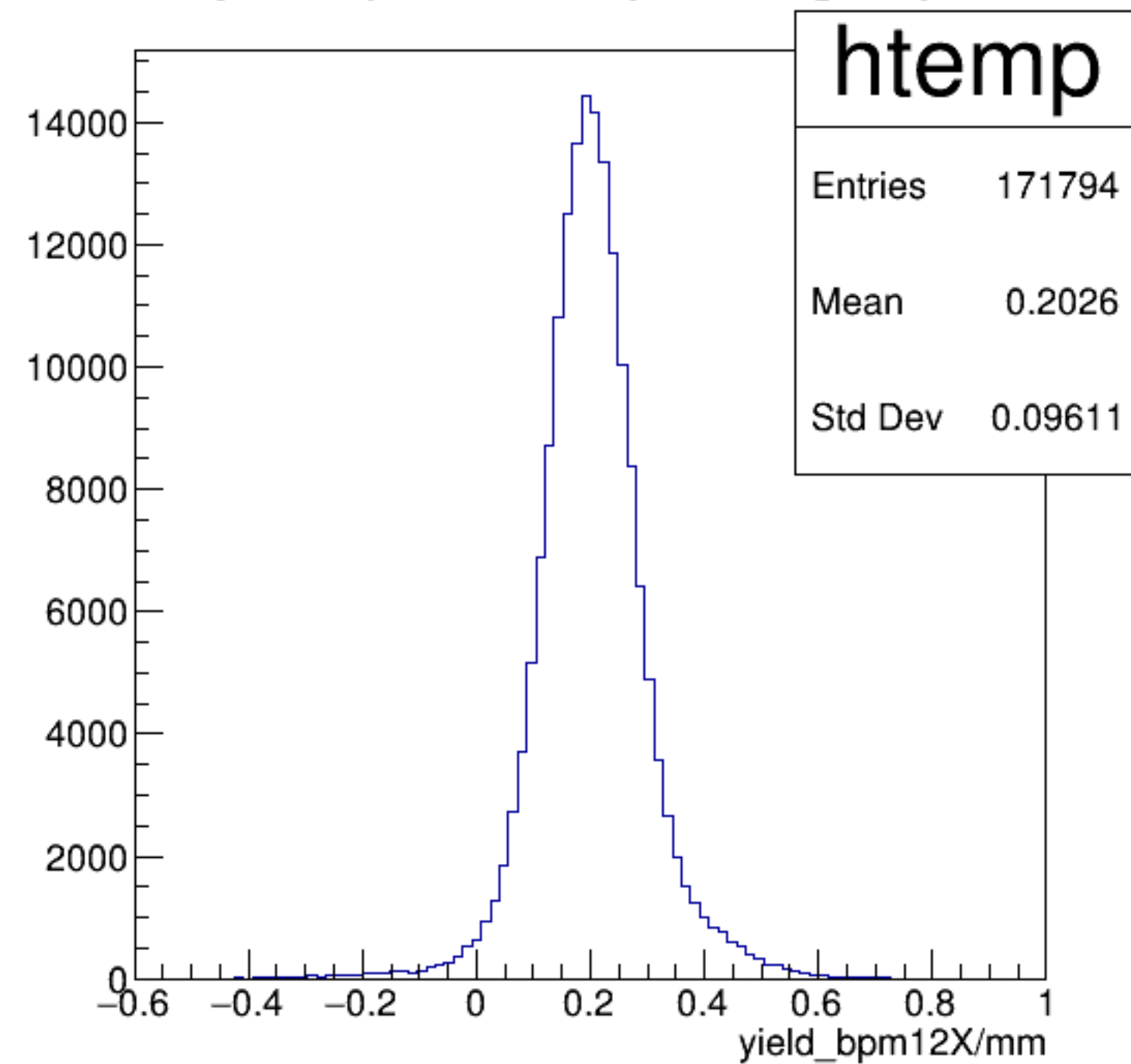


yield_bpm12X/mm:pattern_number {ErrorFlag==0}

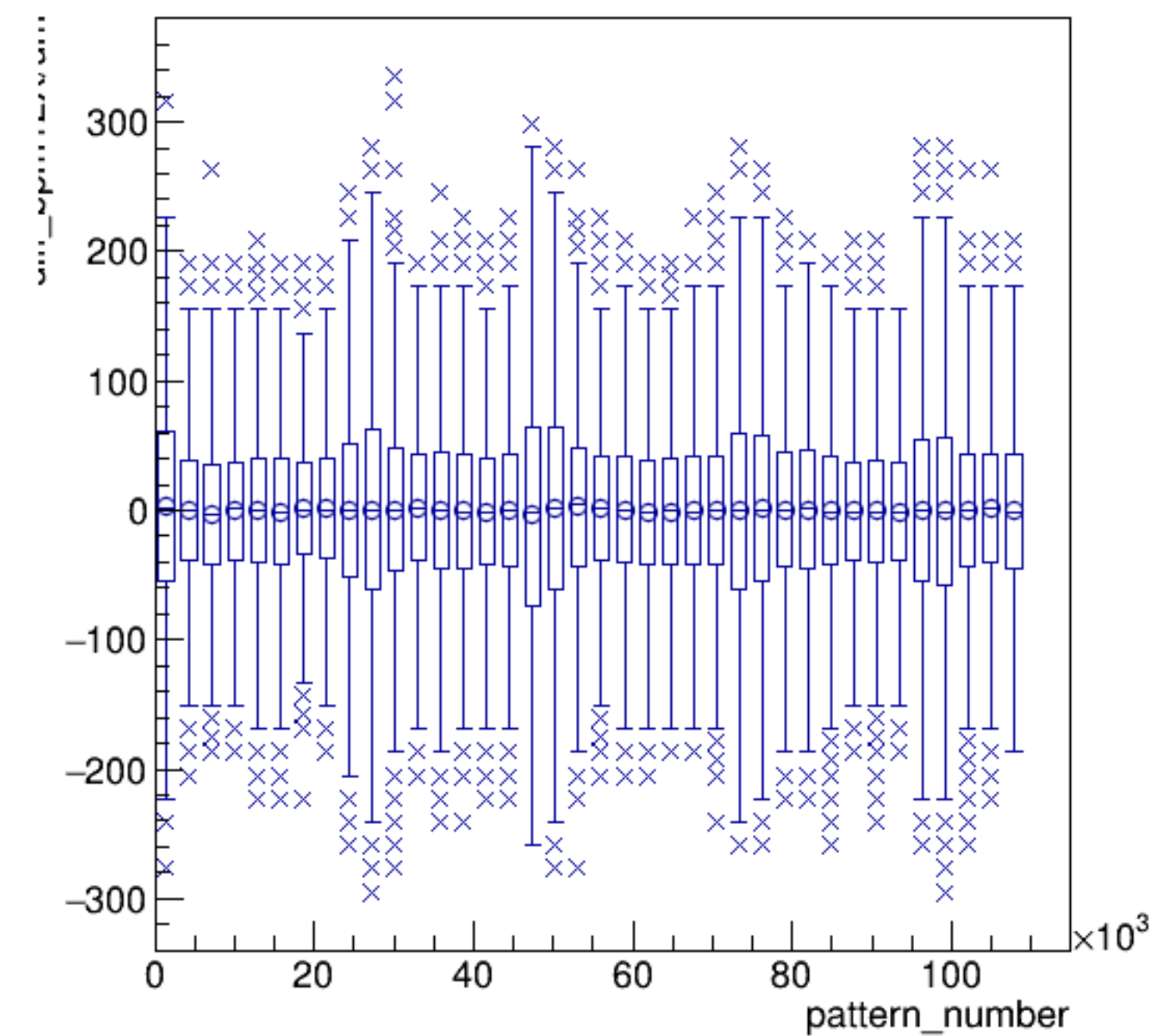


run7319_000_pairTree_bpm12X.png

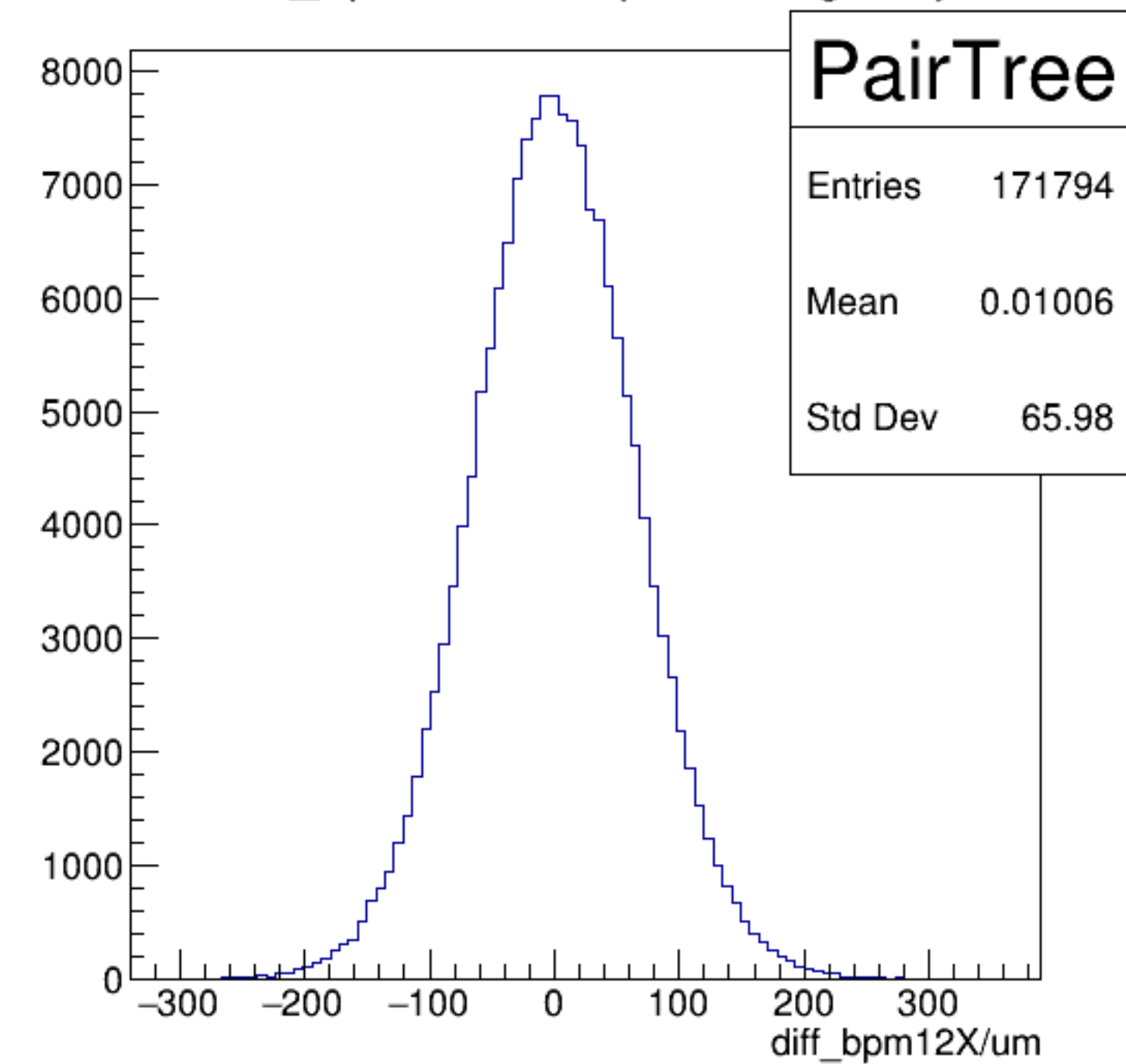
yield_bpm12X/mm {ErrorFlag==0}



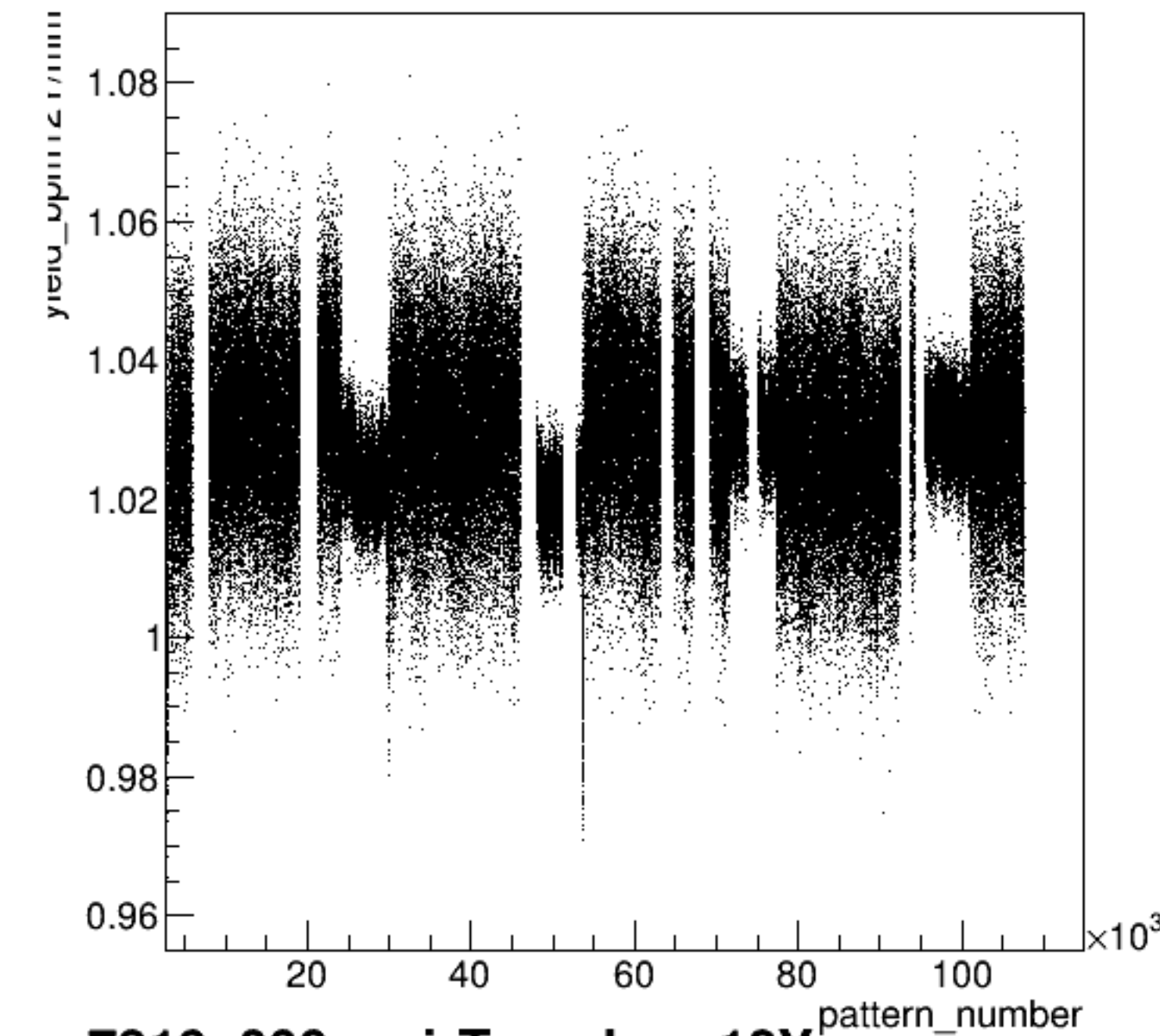
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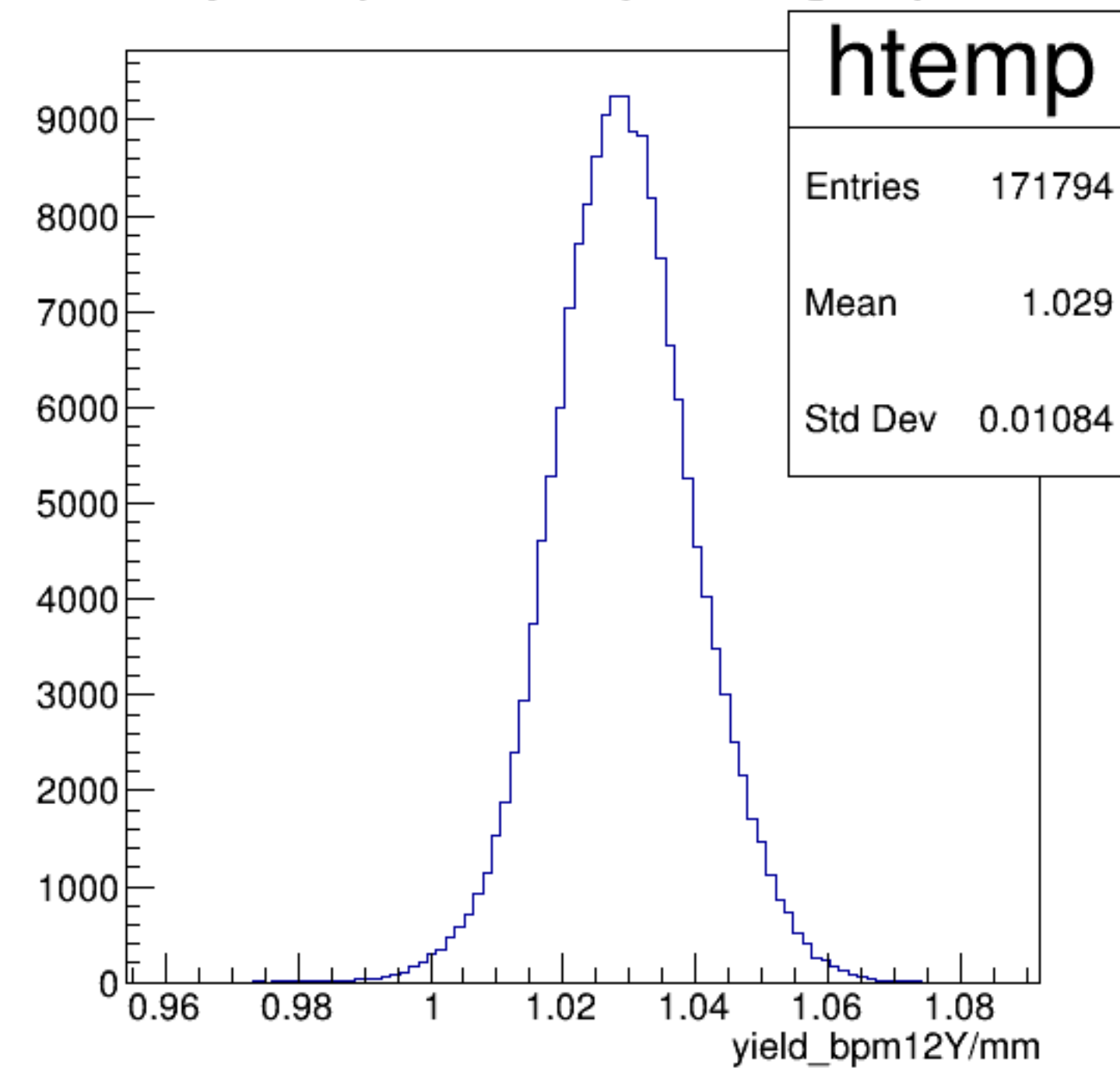
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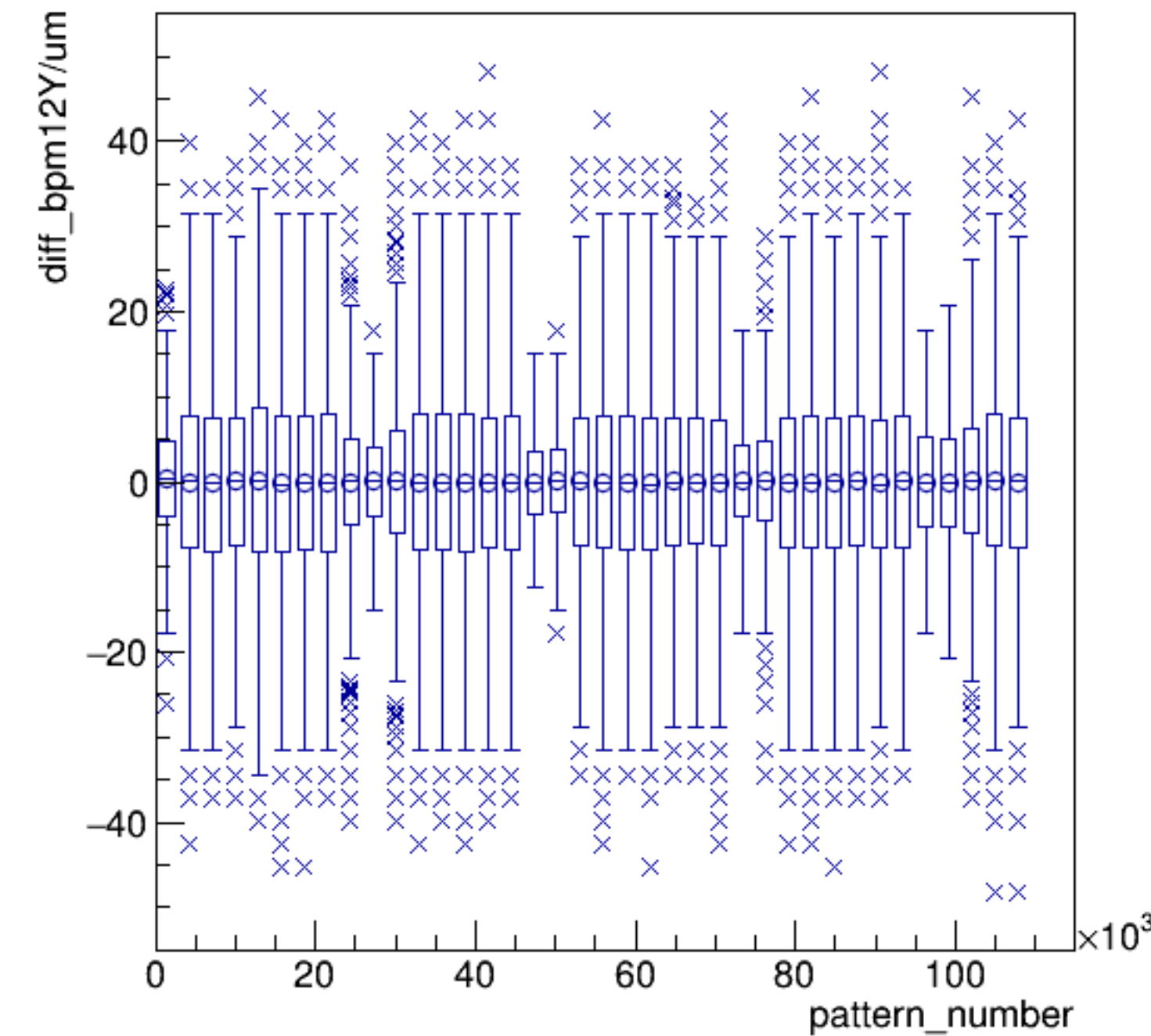
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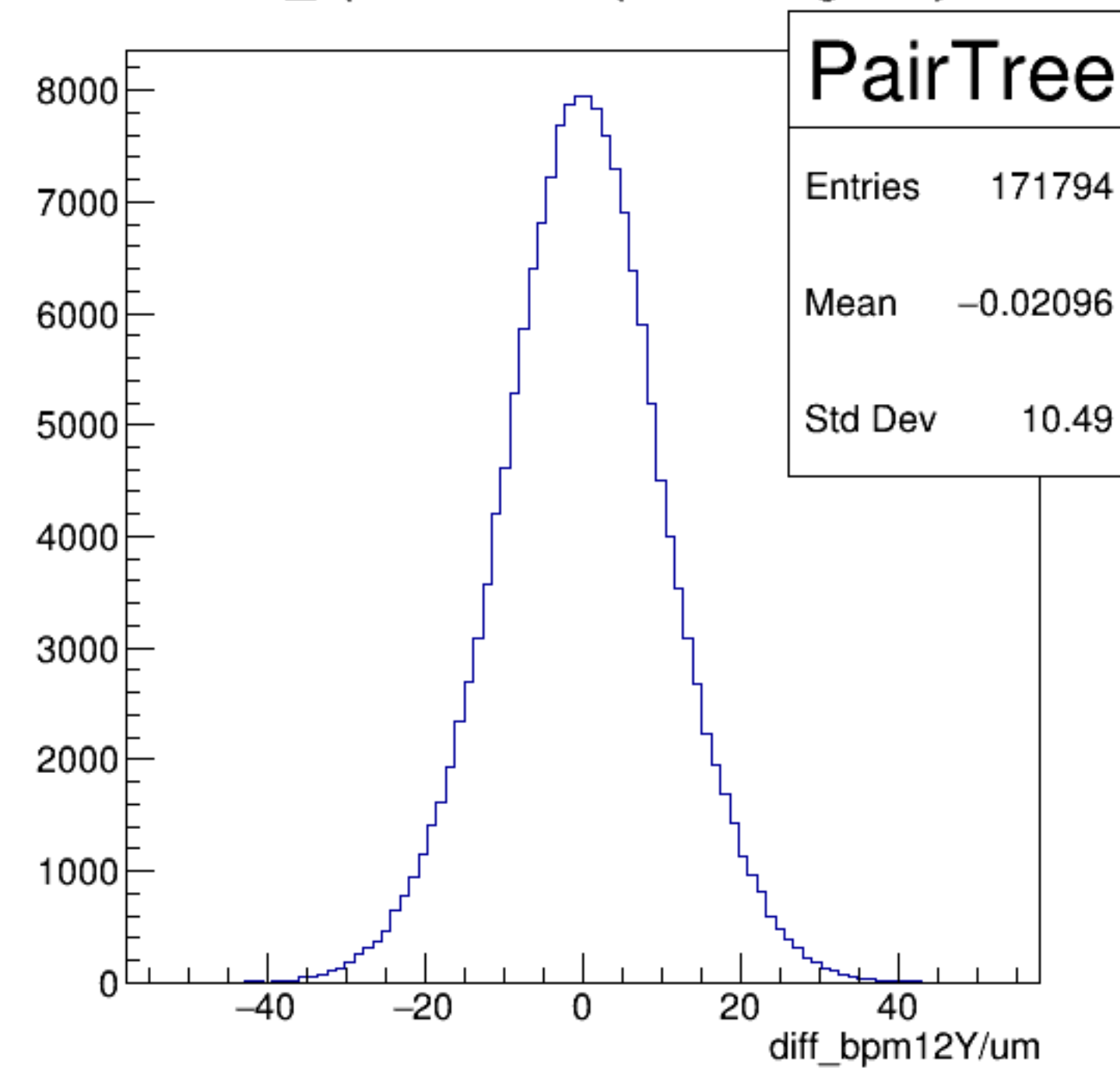
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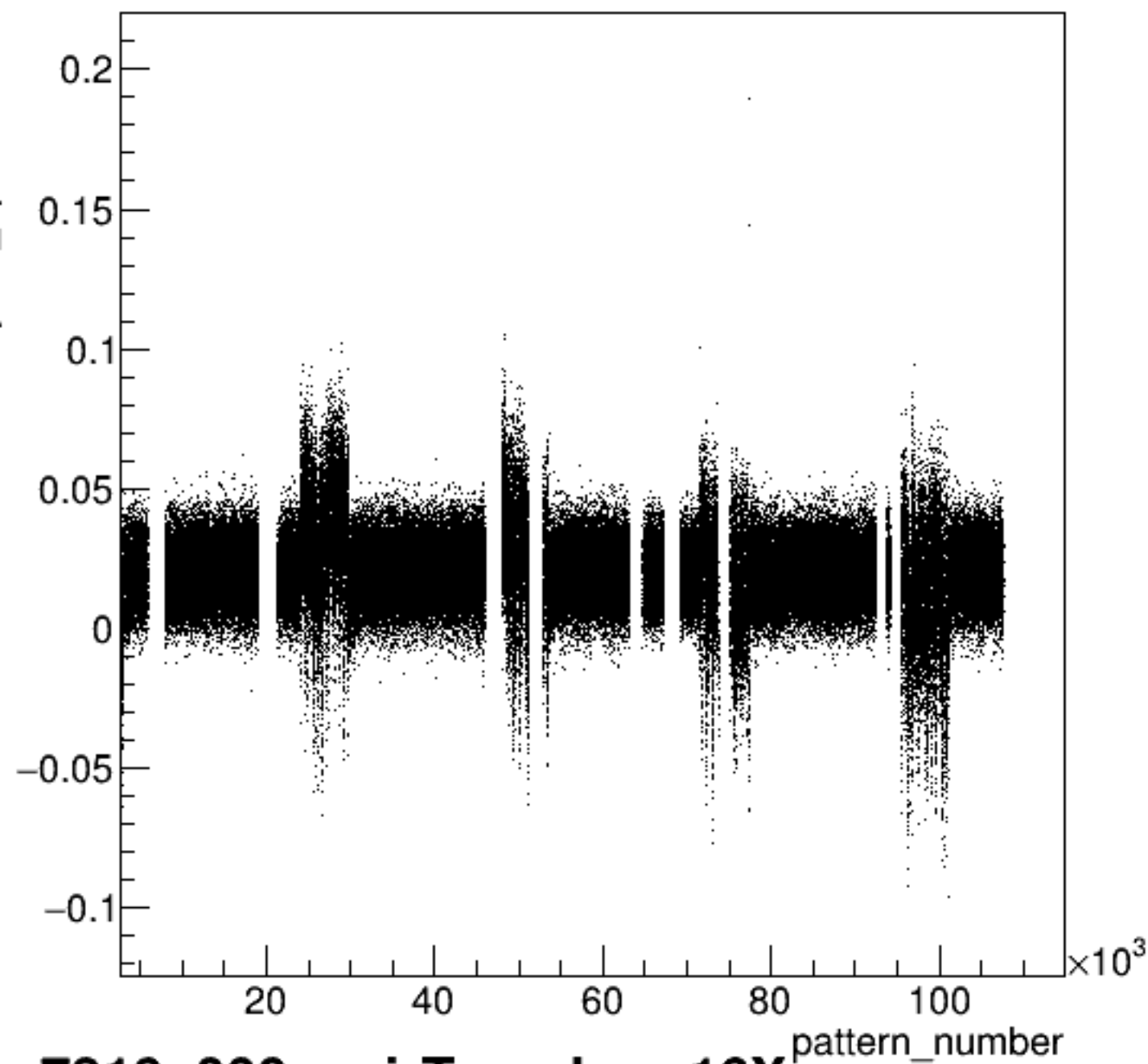
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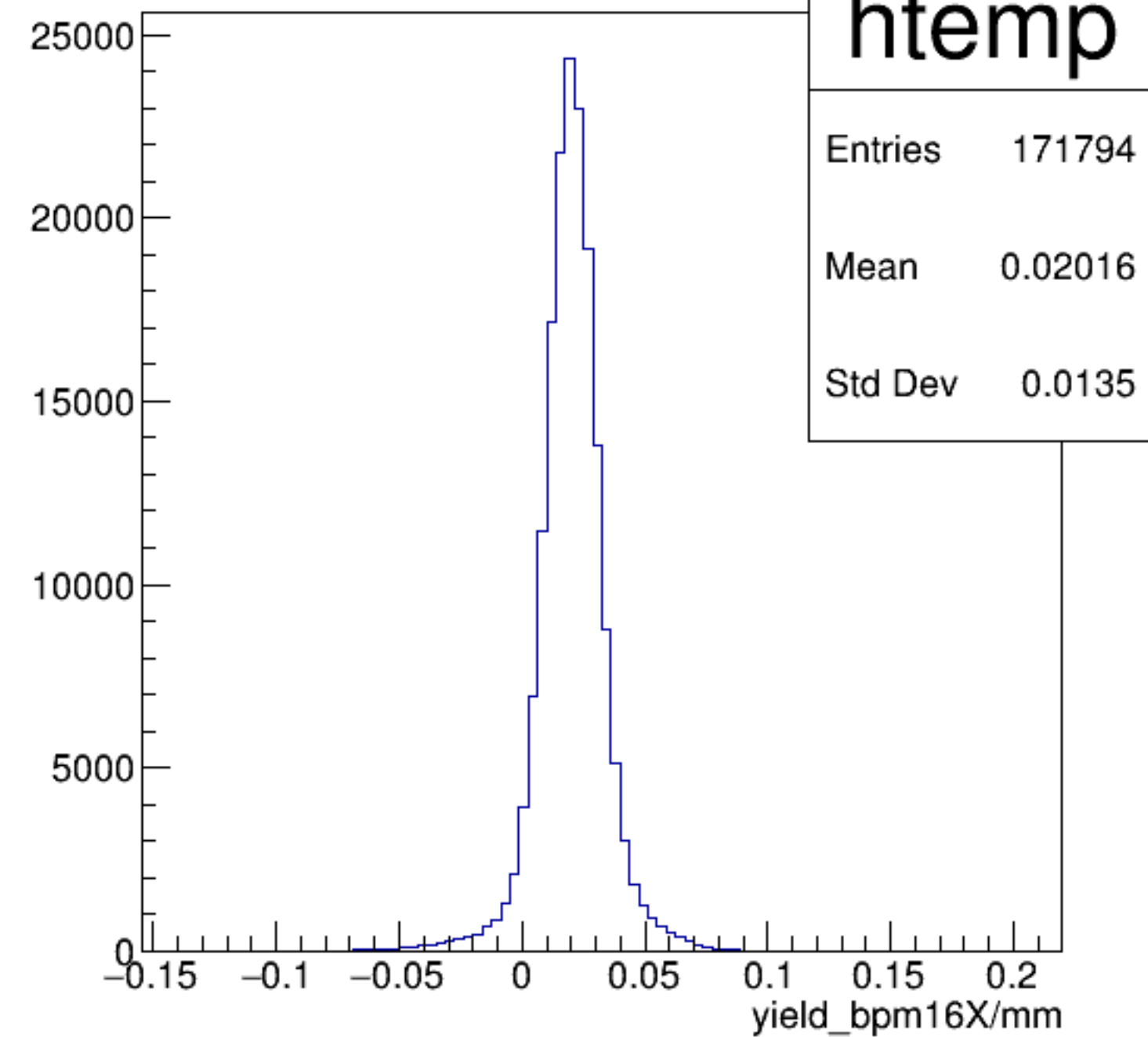
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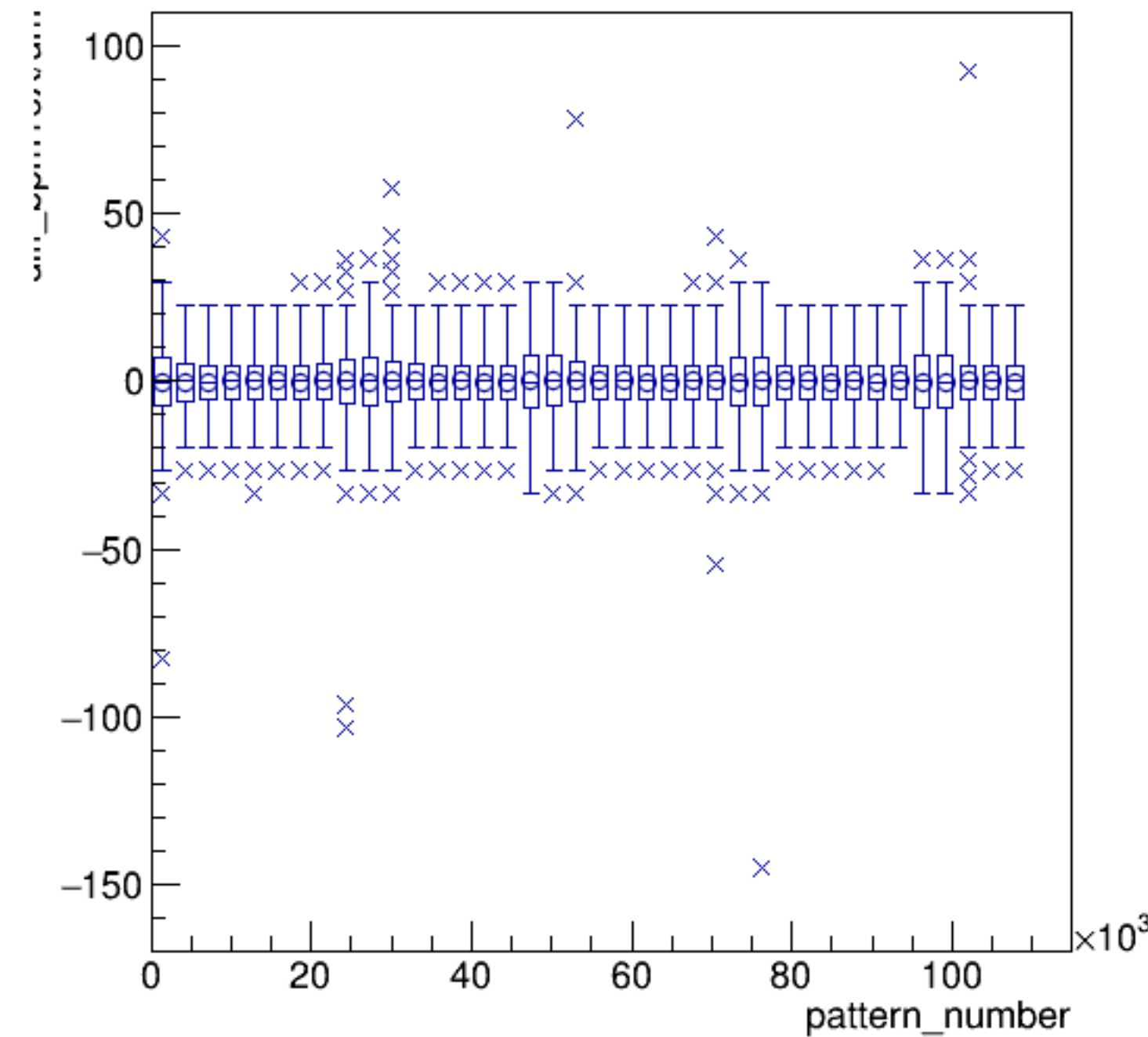
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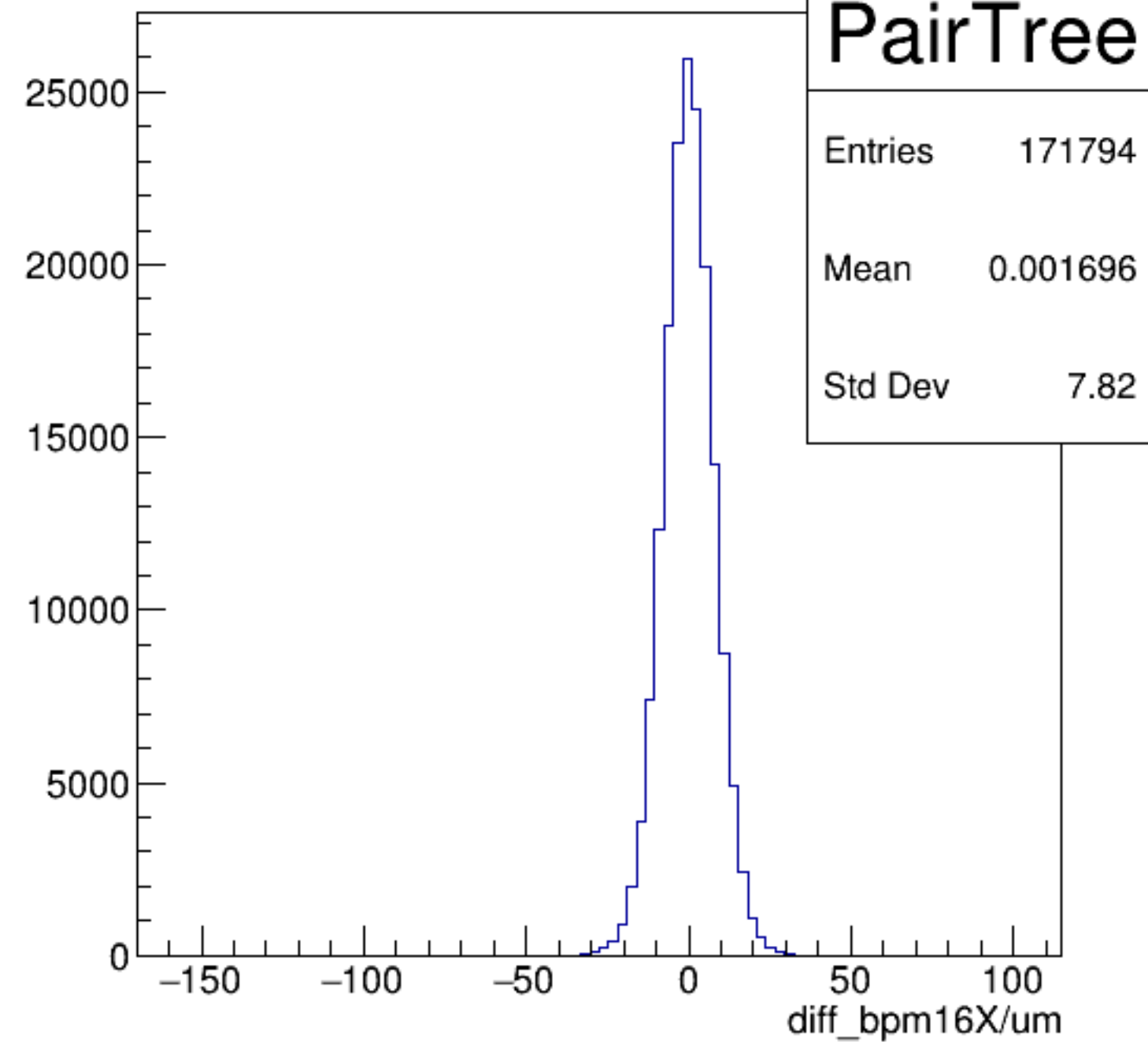
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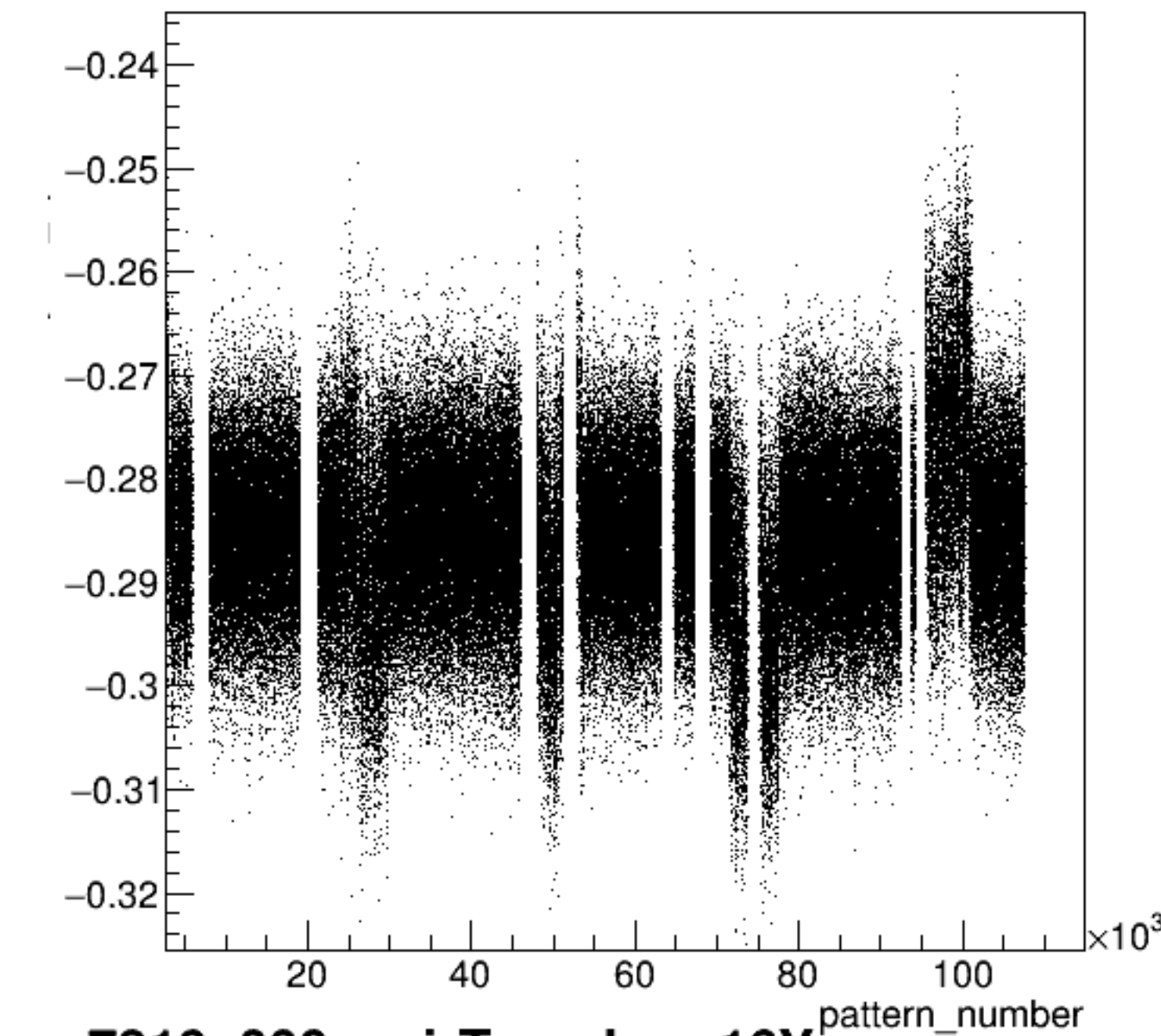
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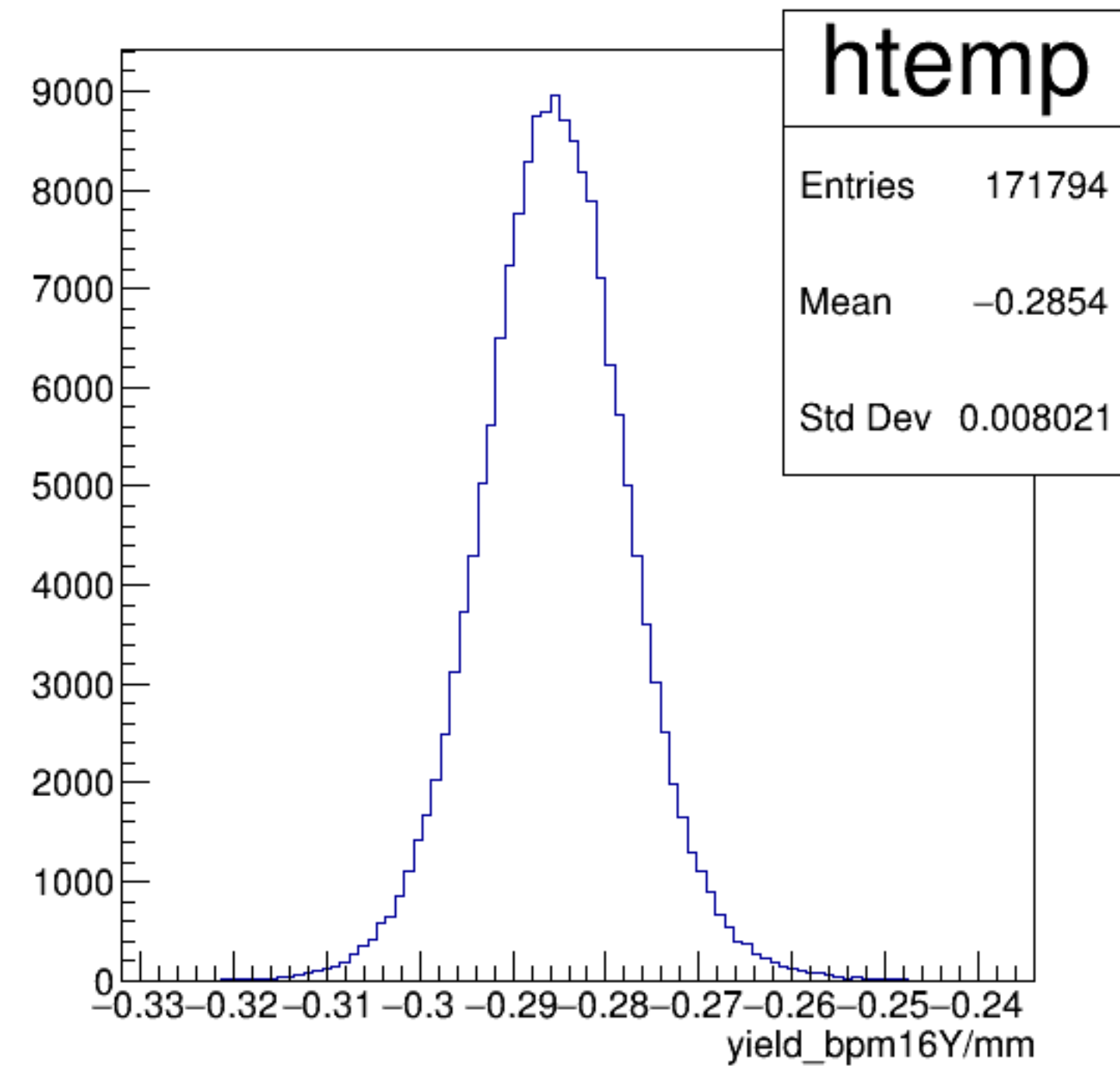


yield_bpm16Y/mm:pattern_number {ErrorFlag==0}

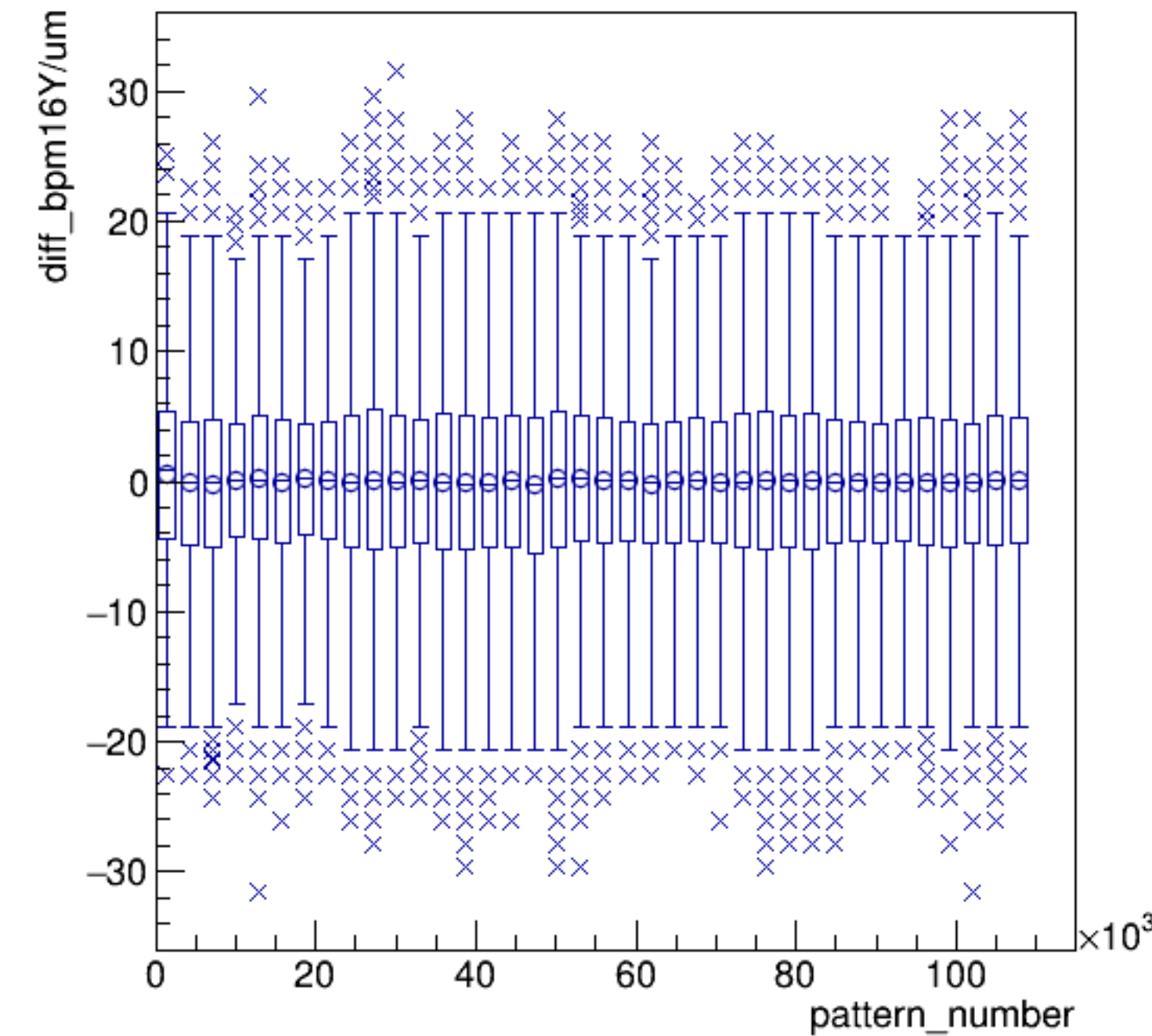


run7319_000_pairTree_bpm16Y.png

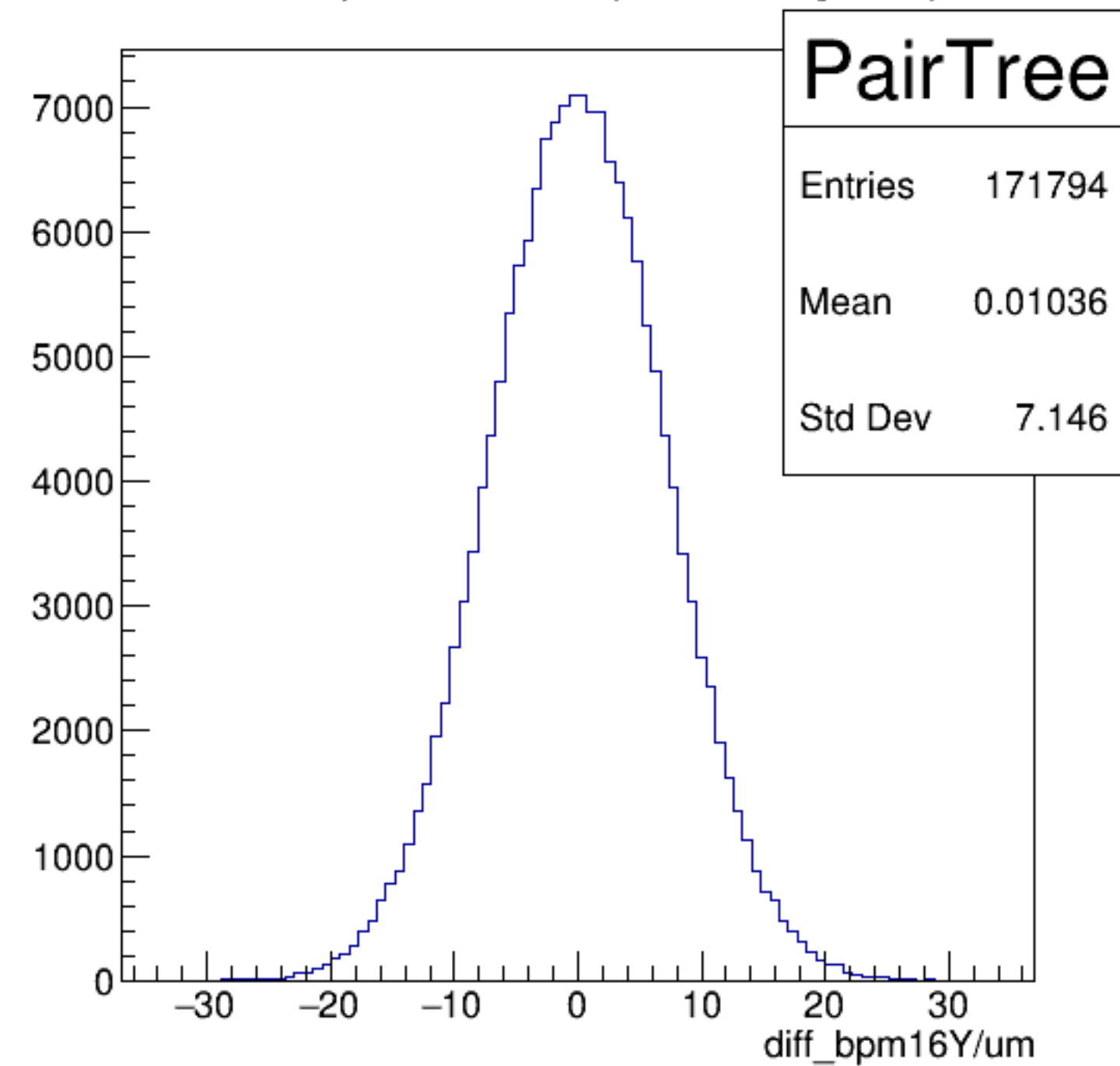
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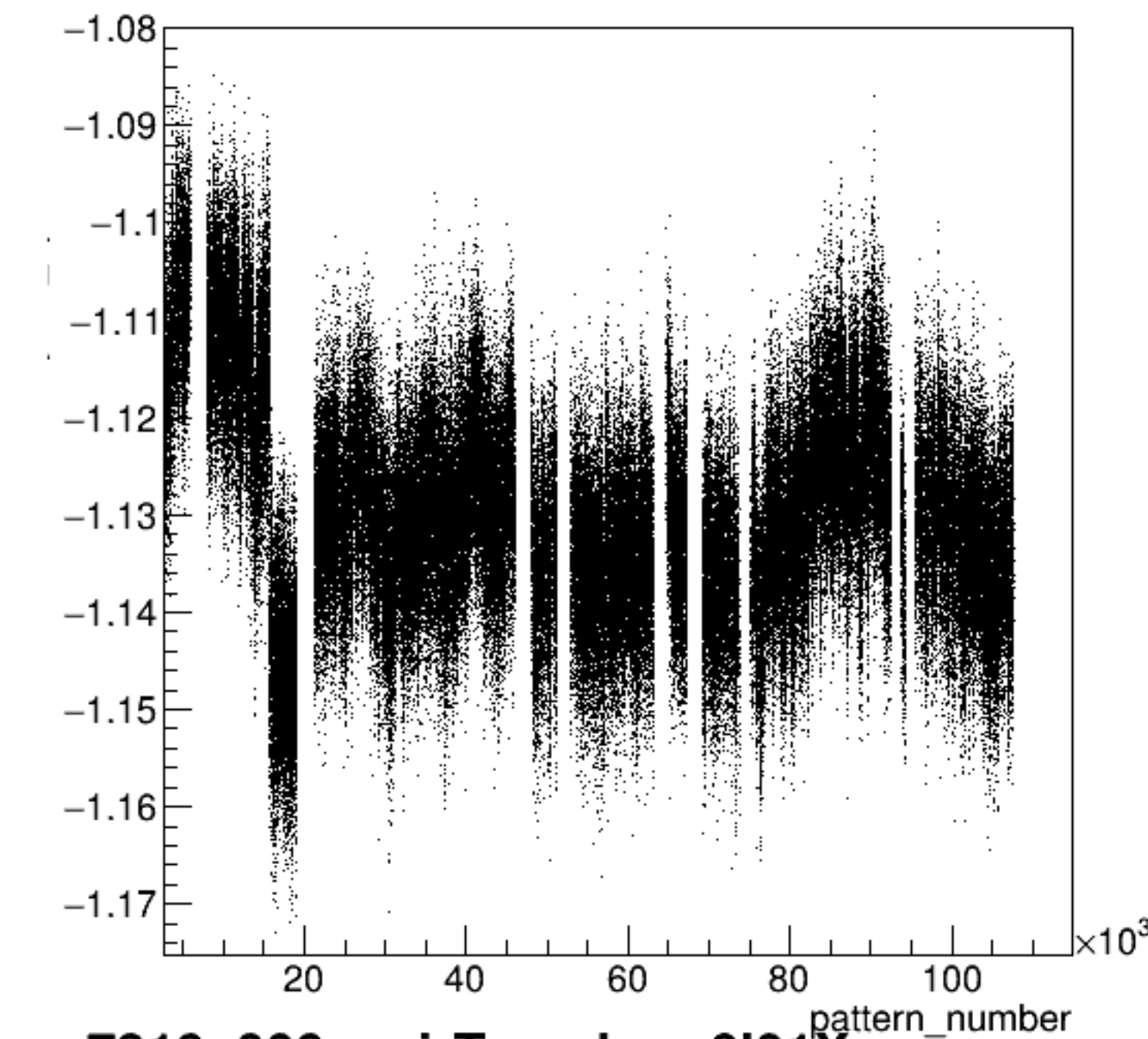
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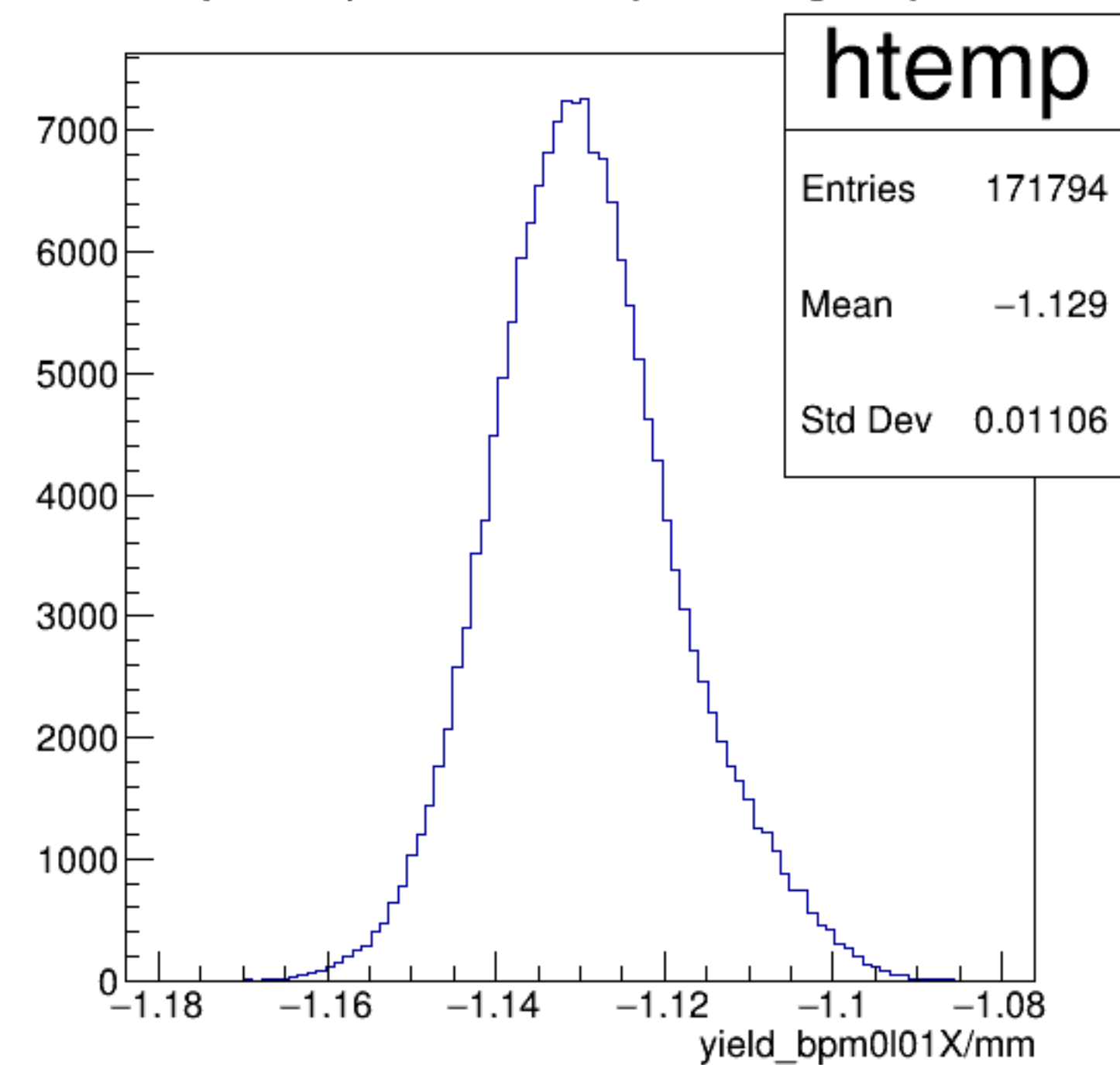


yield_bpm0l01X/mm:pattern_number {ErrorFlag==0}

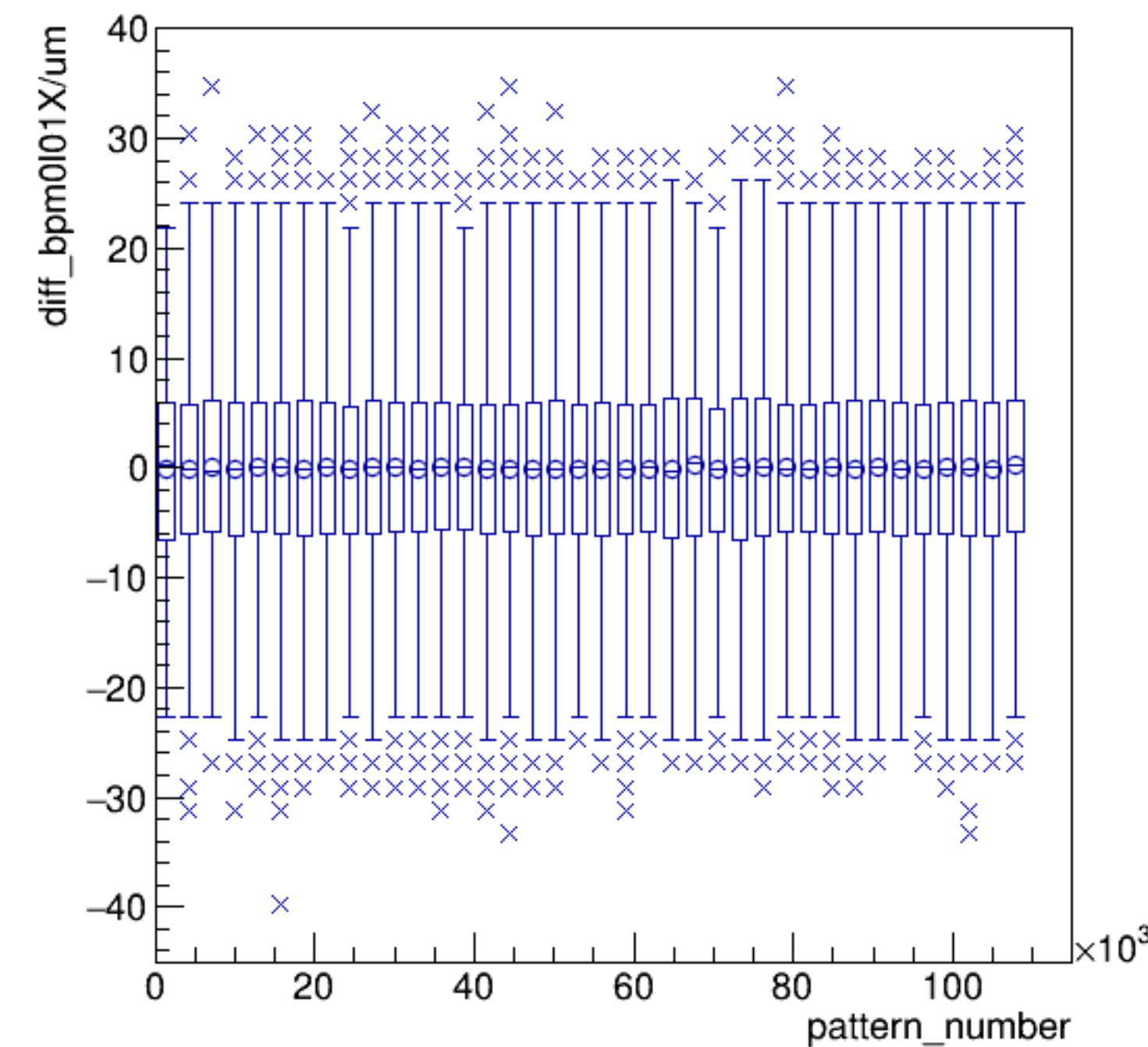


run7319_000_pairTree_bpm0l01X.png

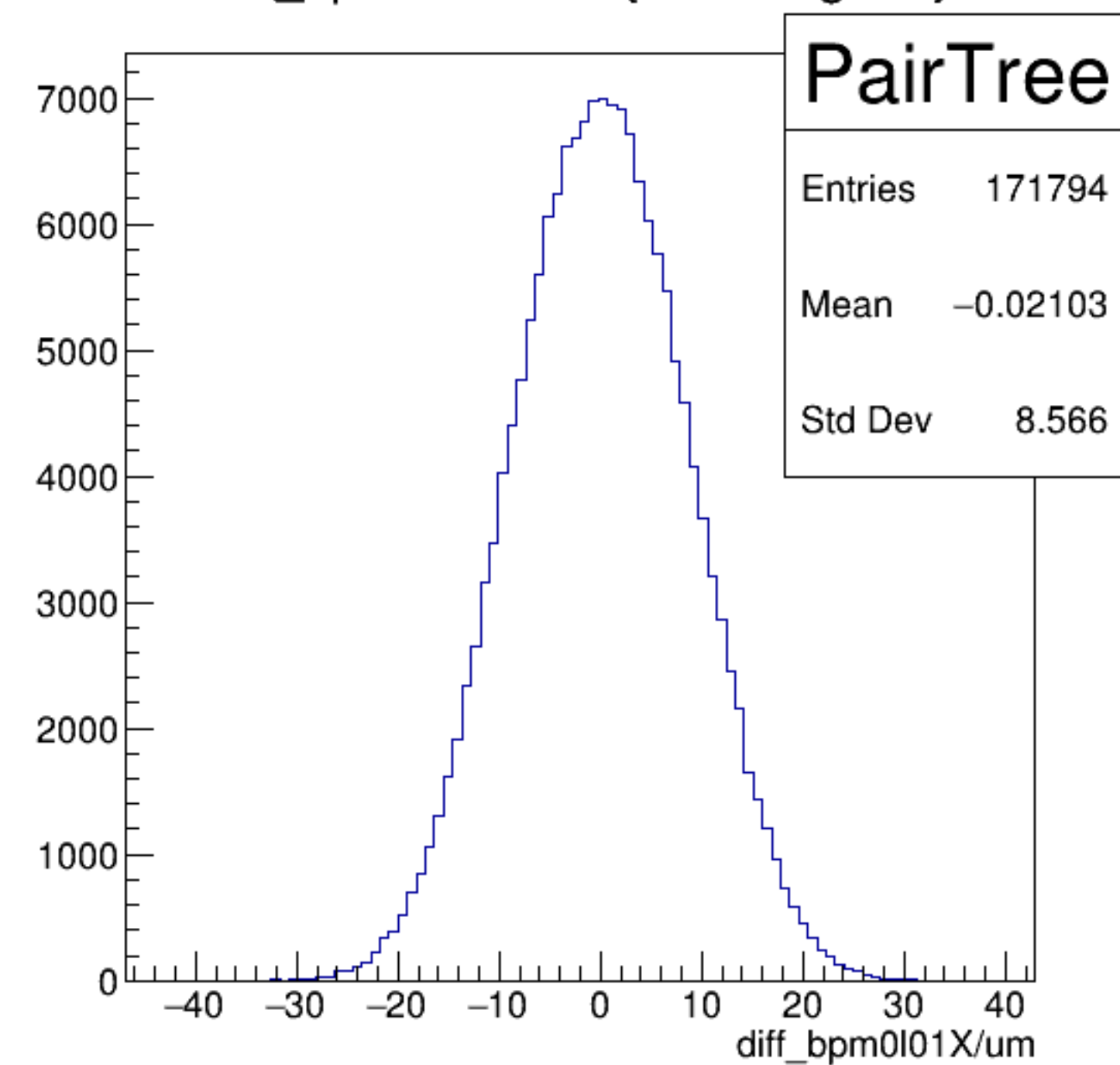
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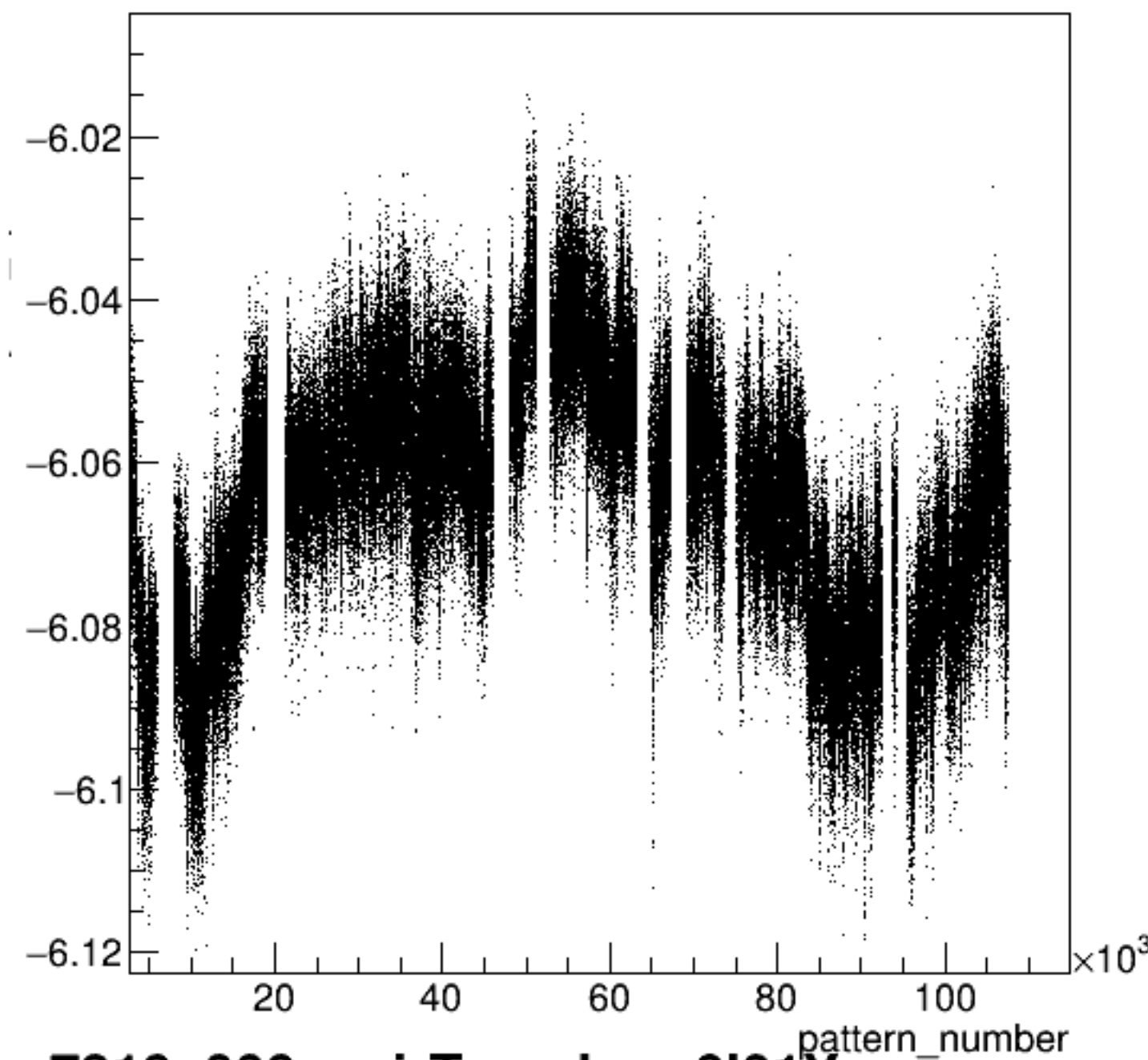
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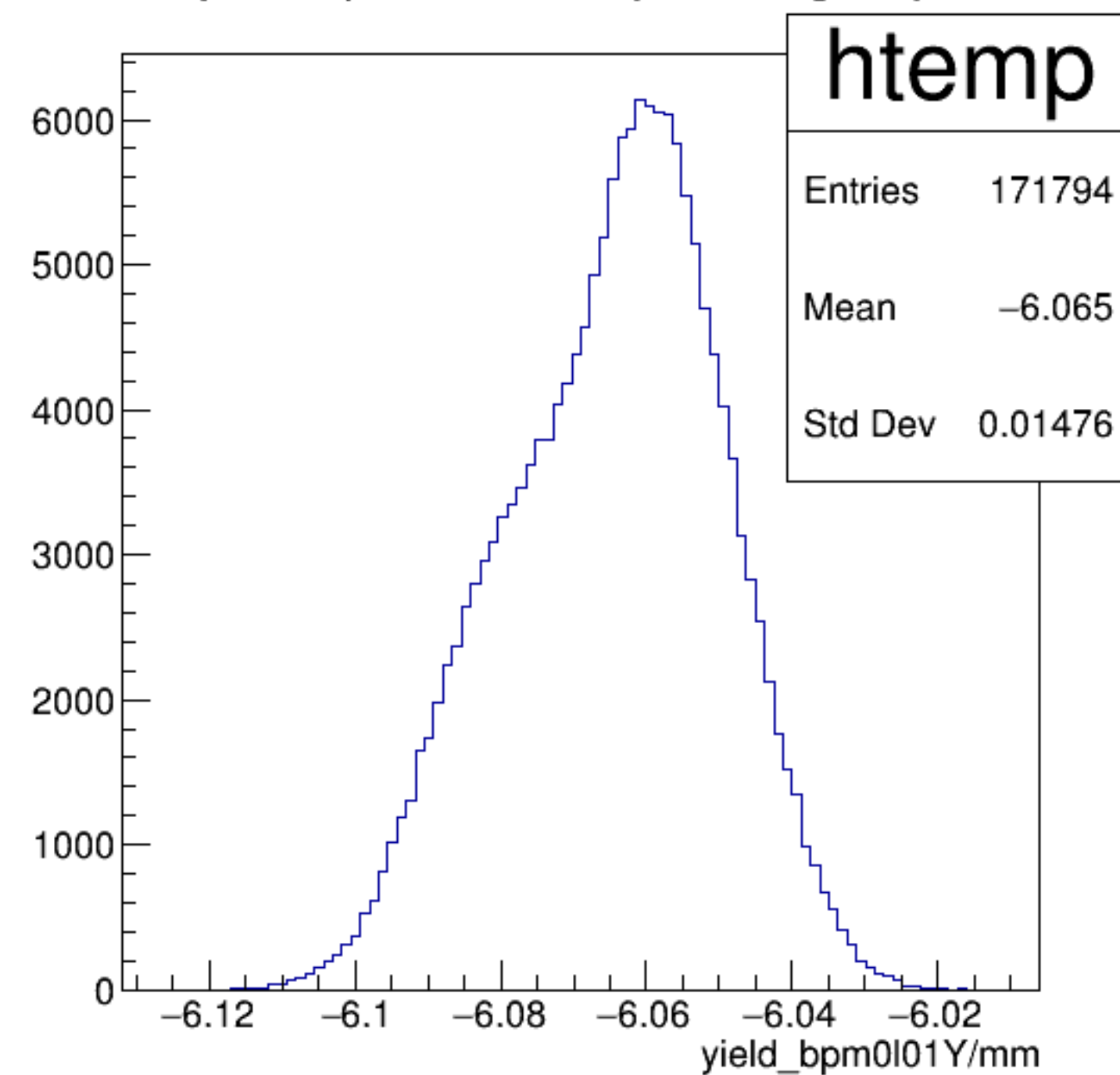


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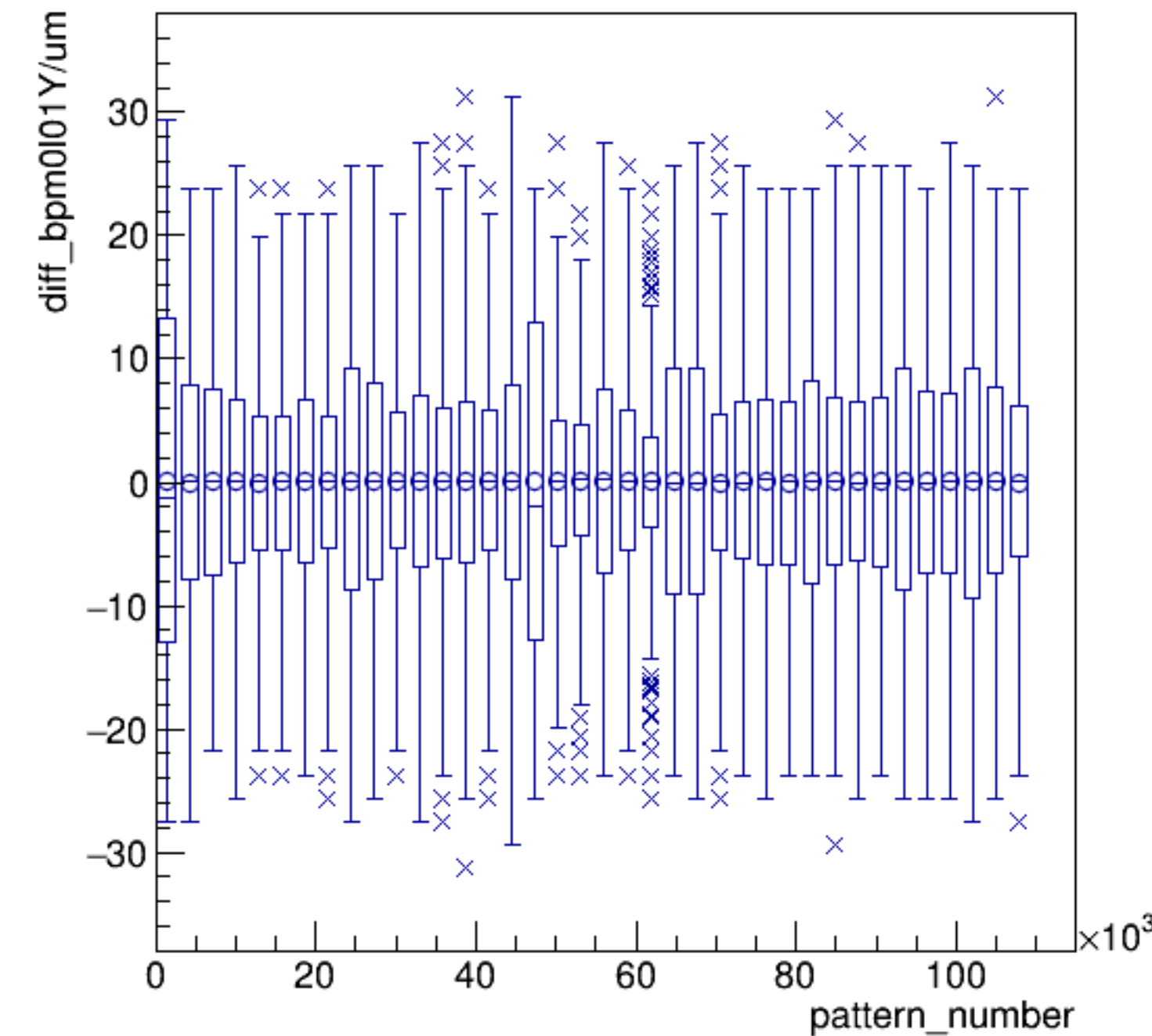


run7319_000_pairTree_bpm0l01Y.png

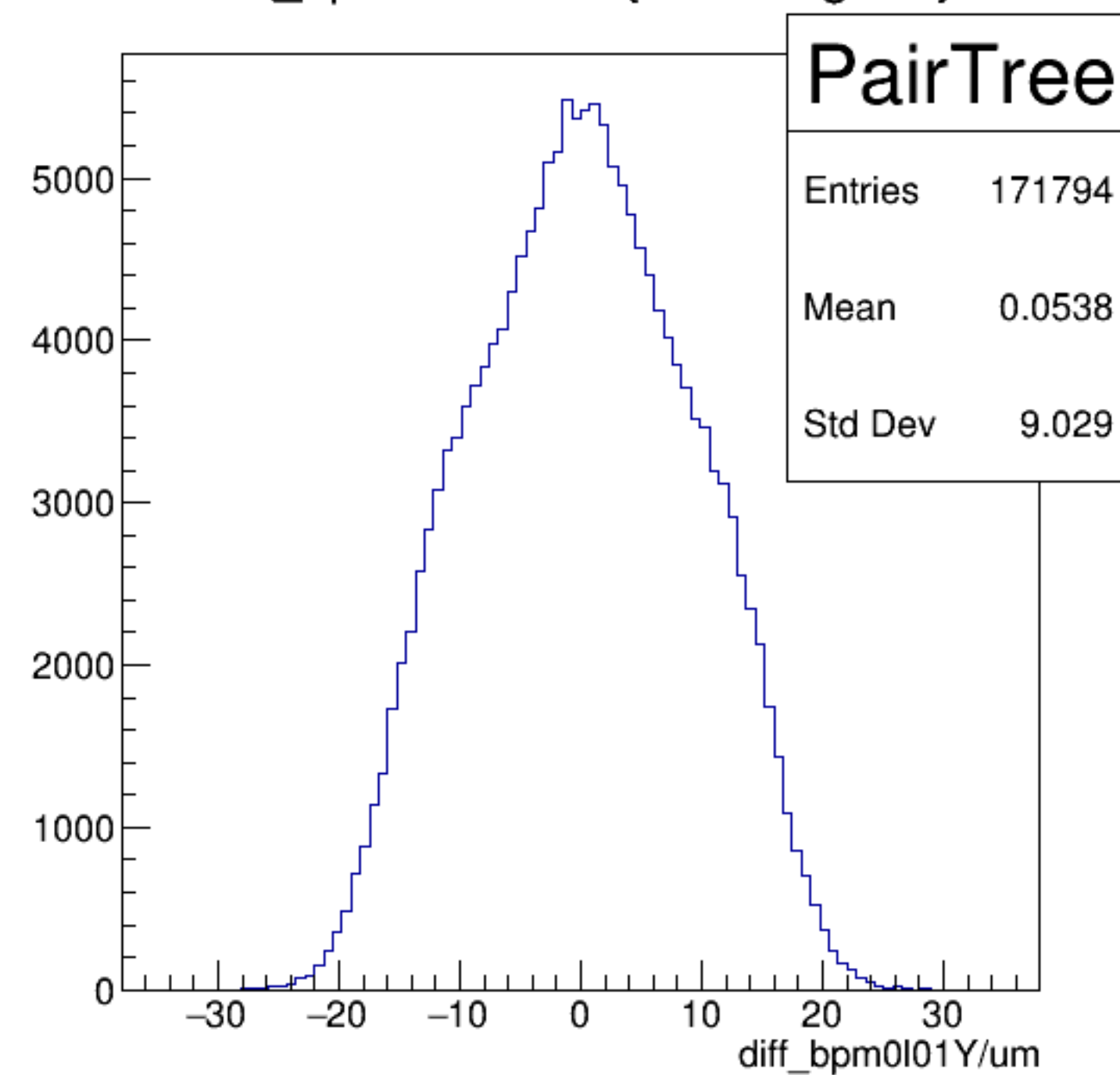
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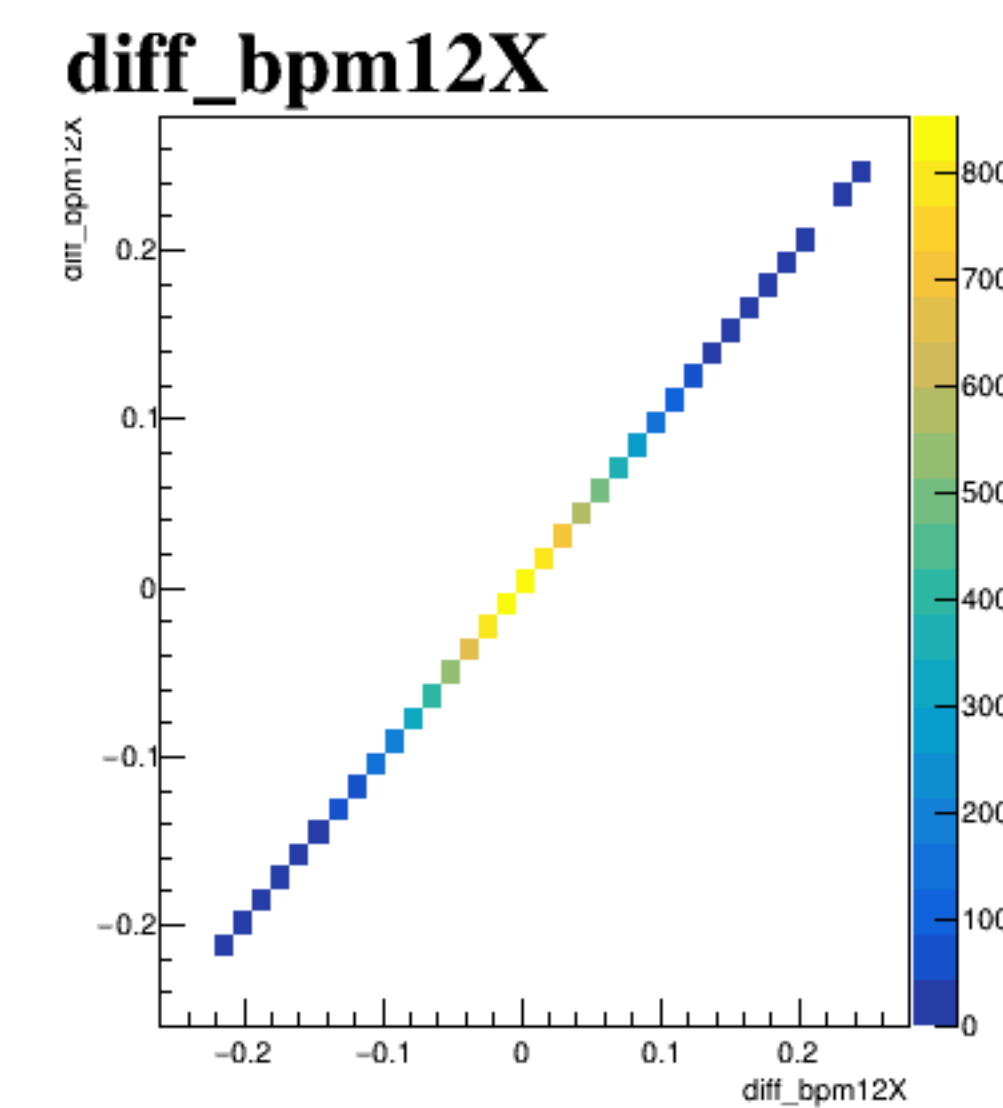
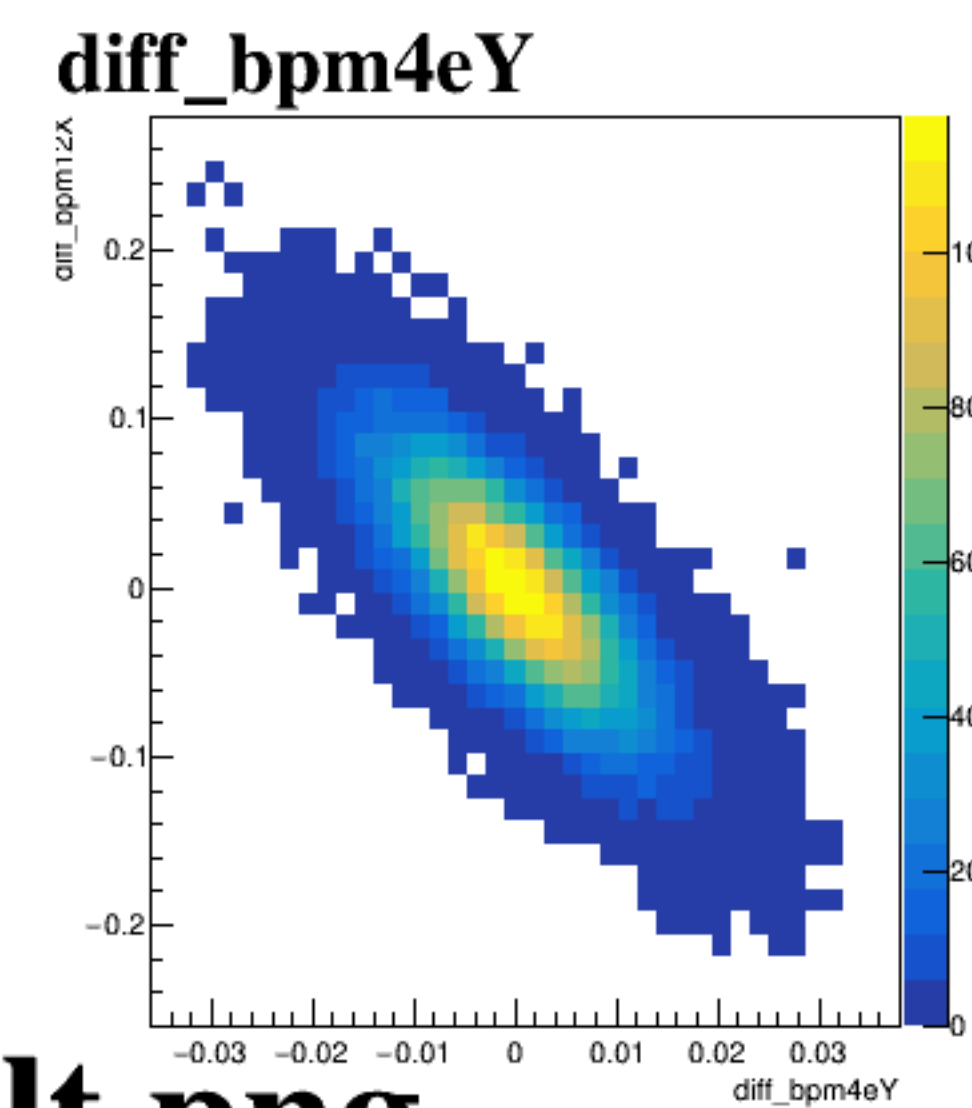
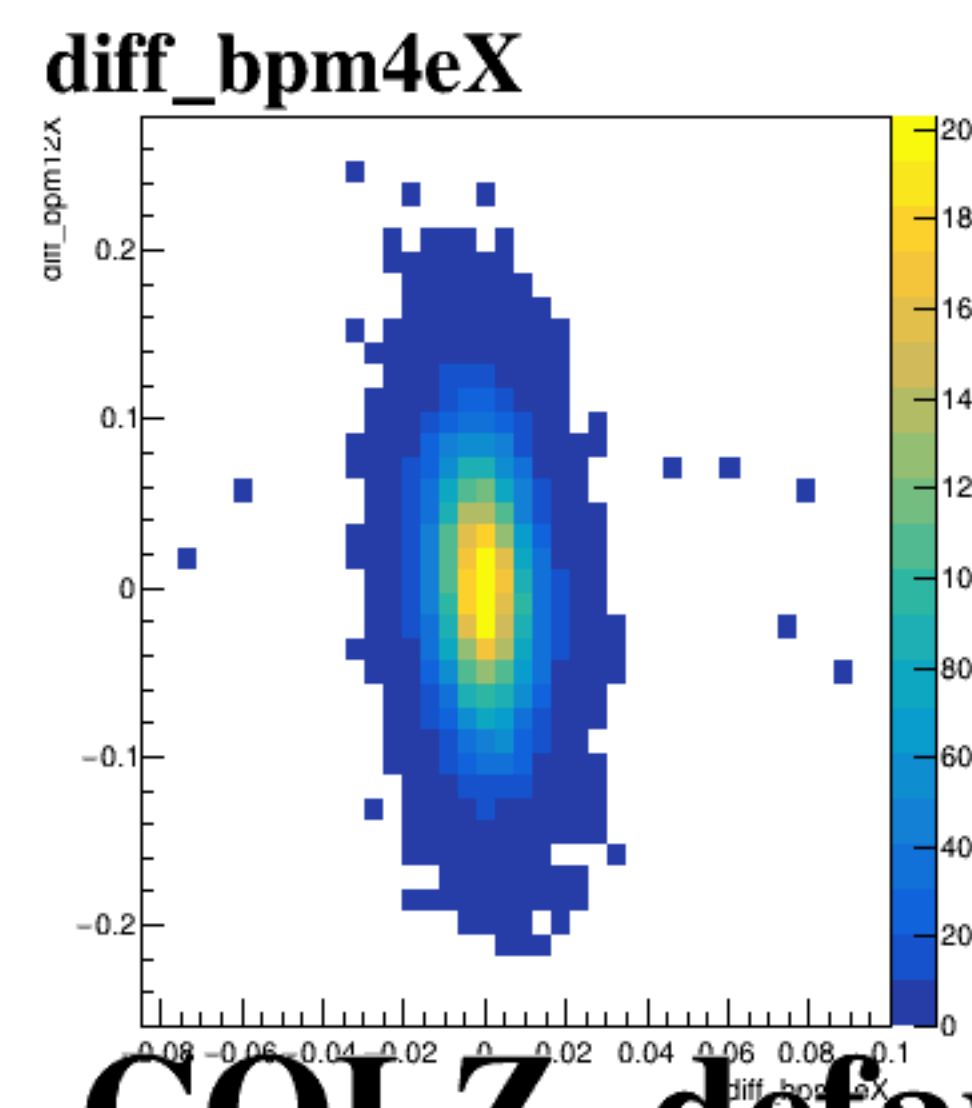
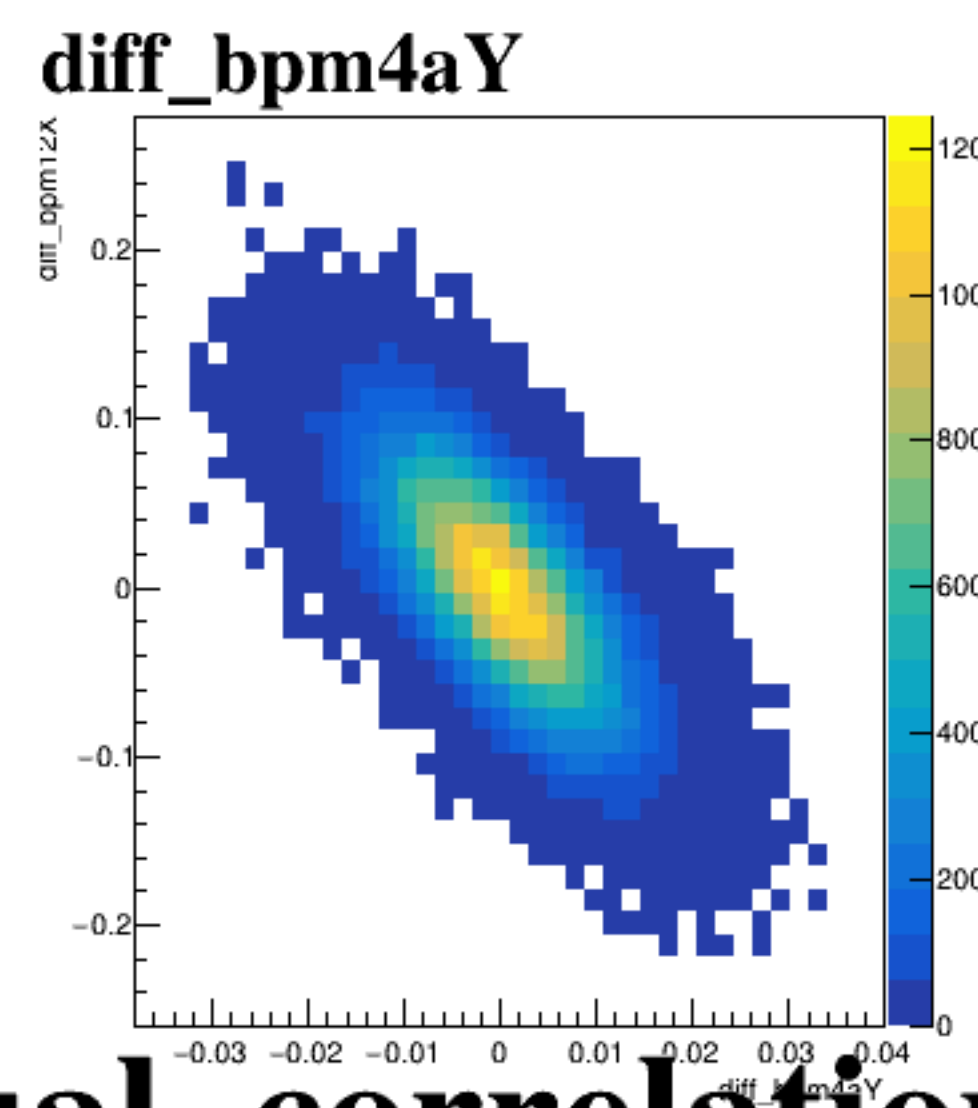
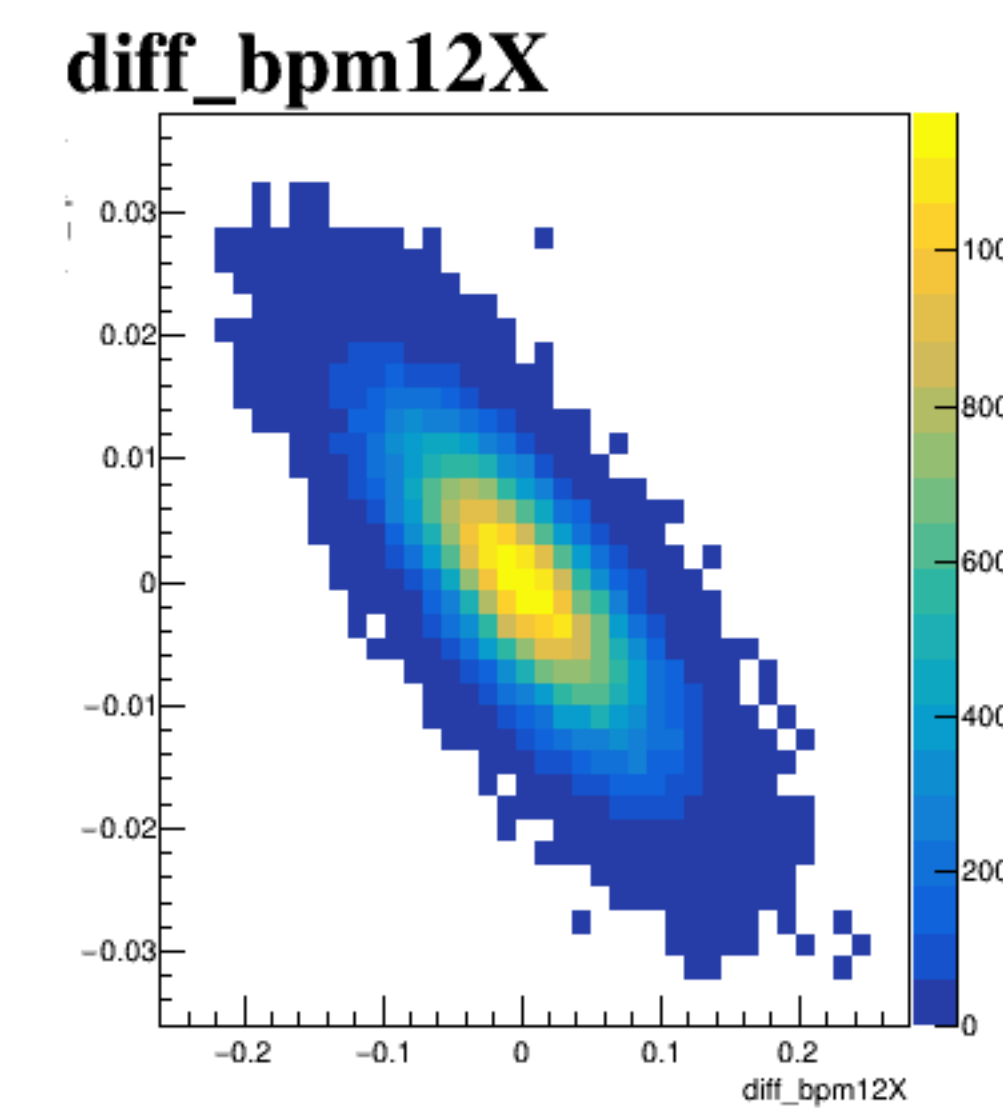
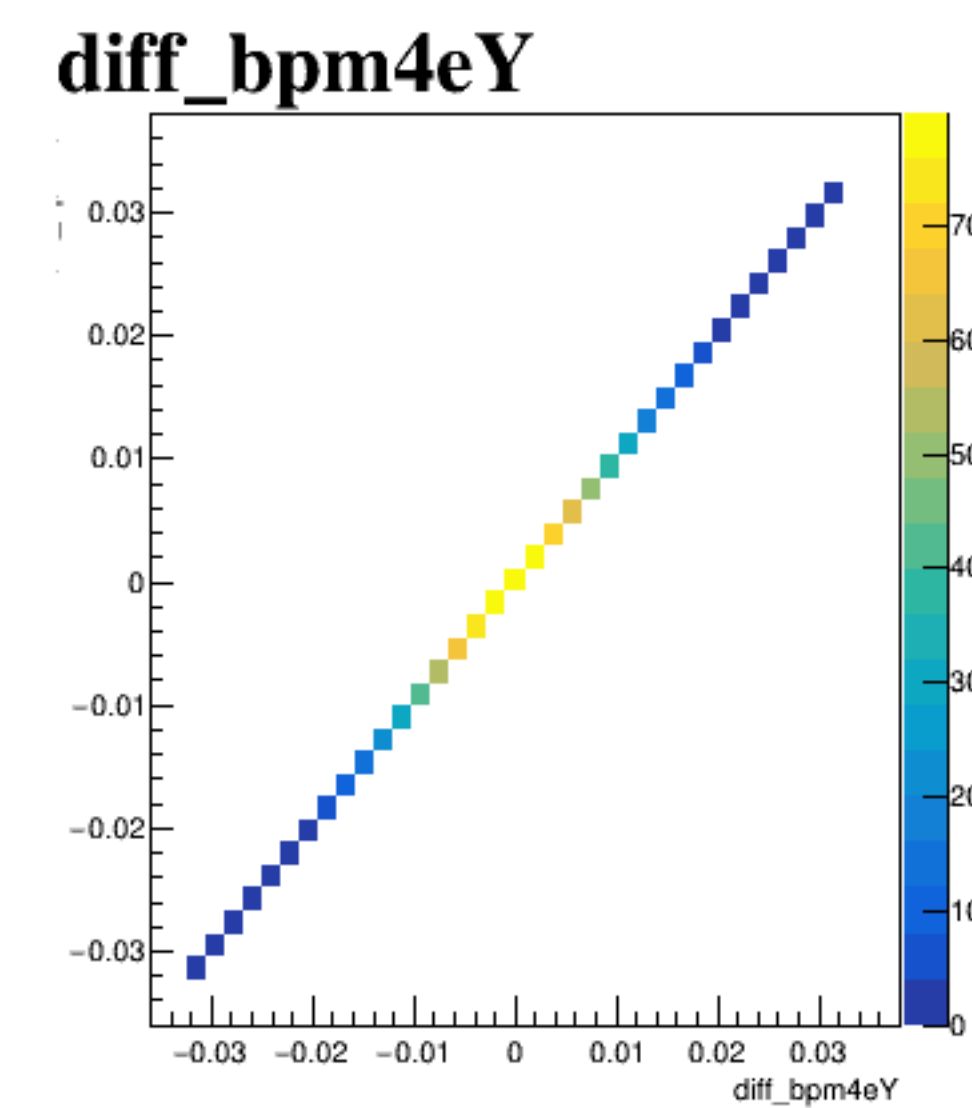
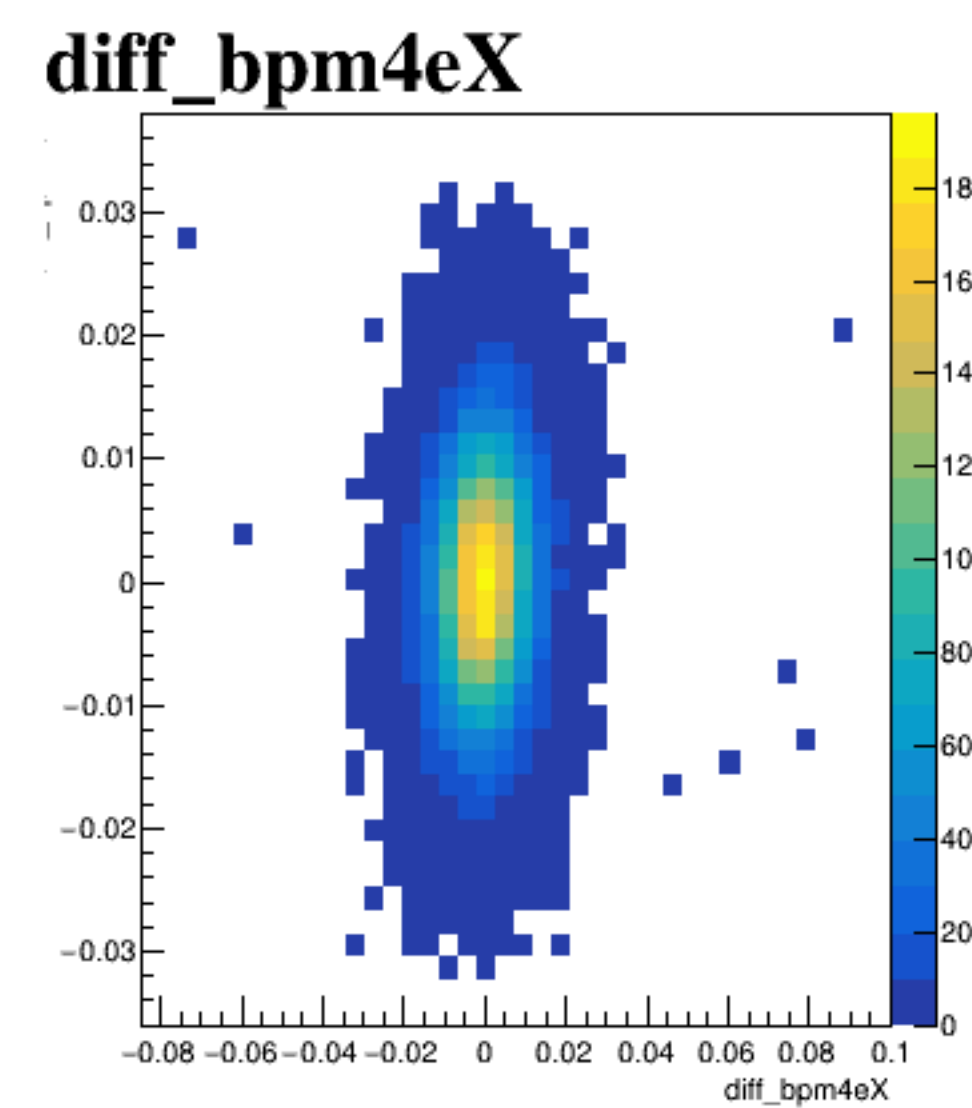
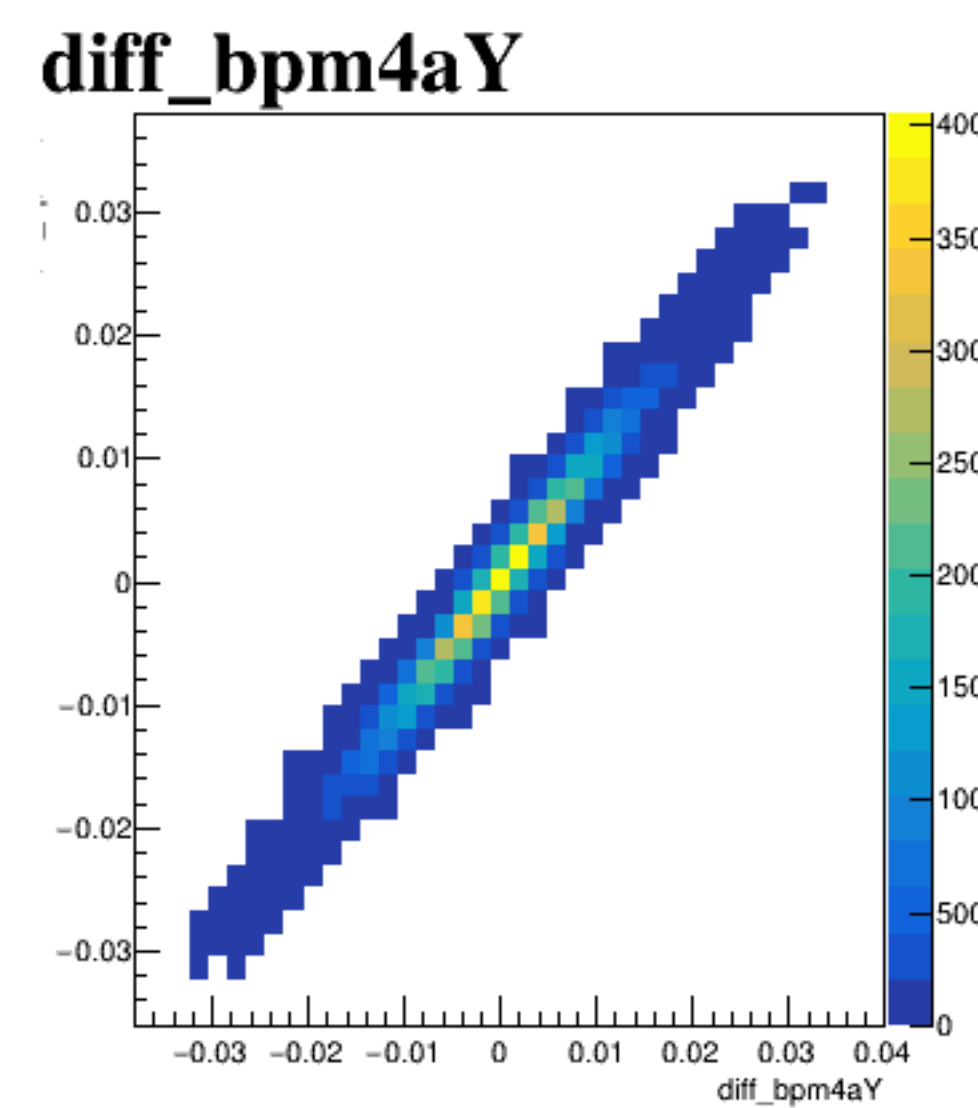
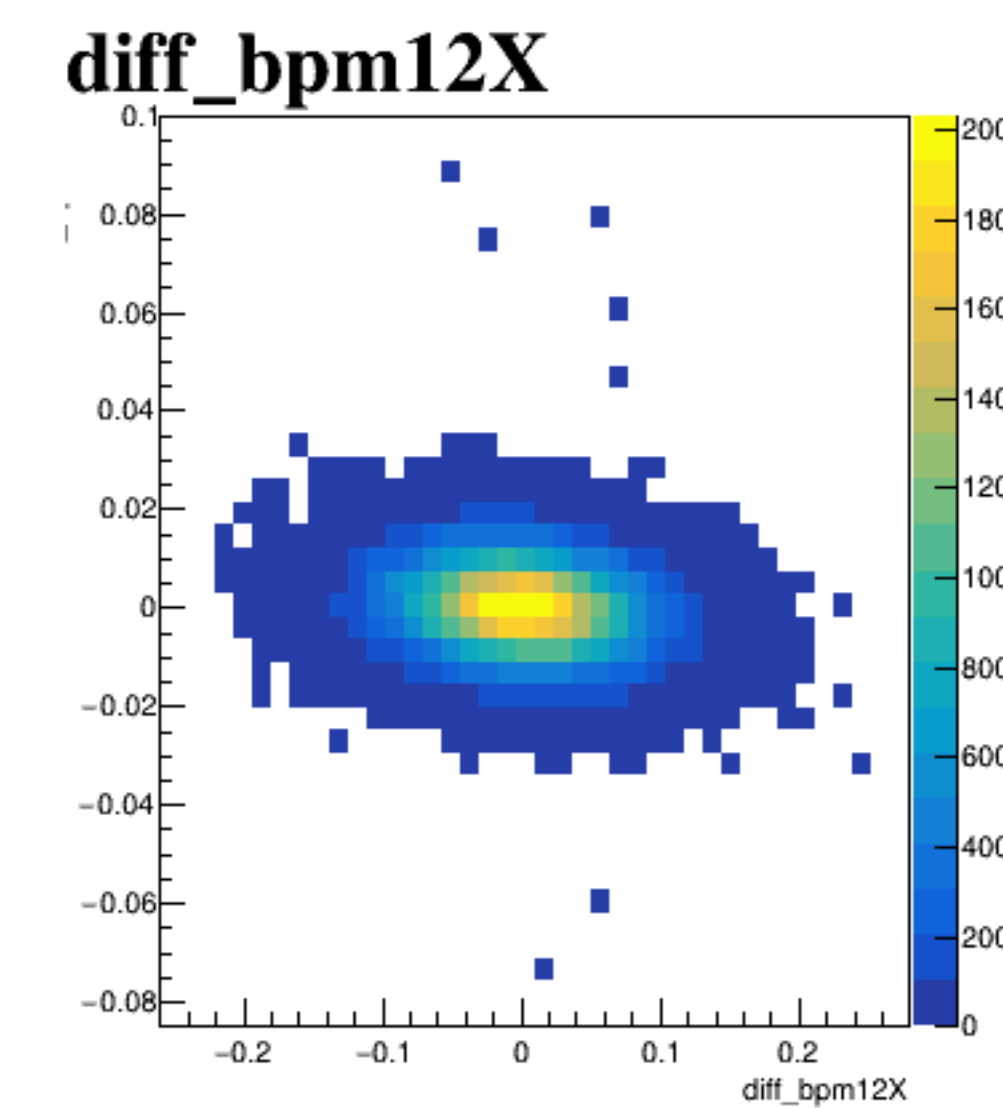
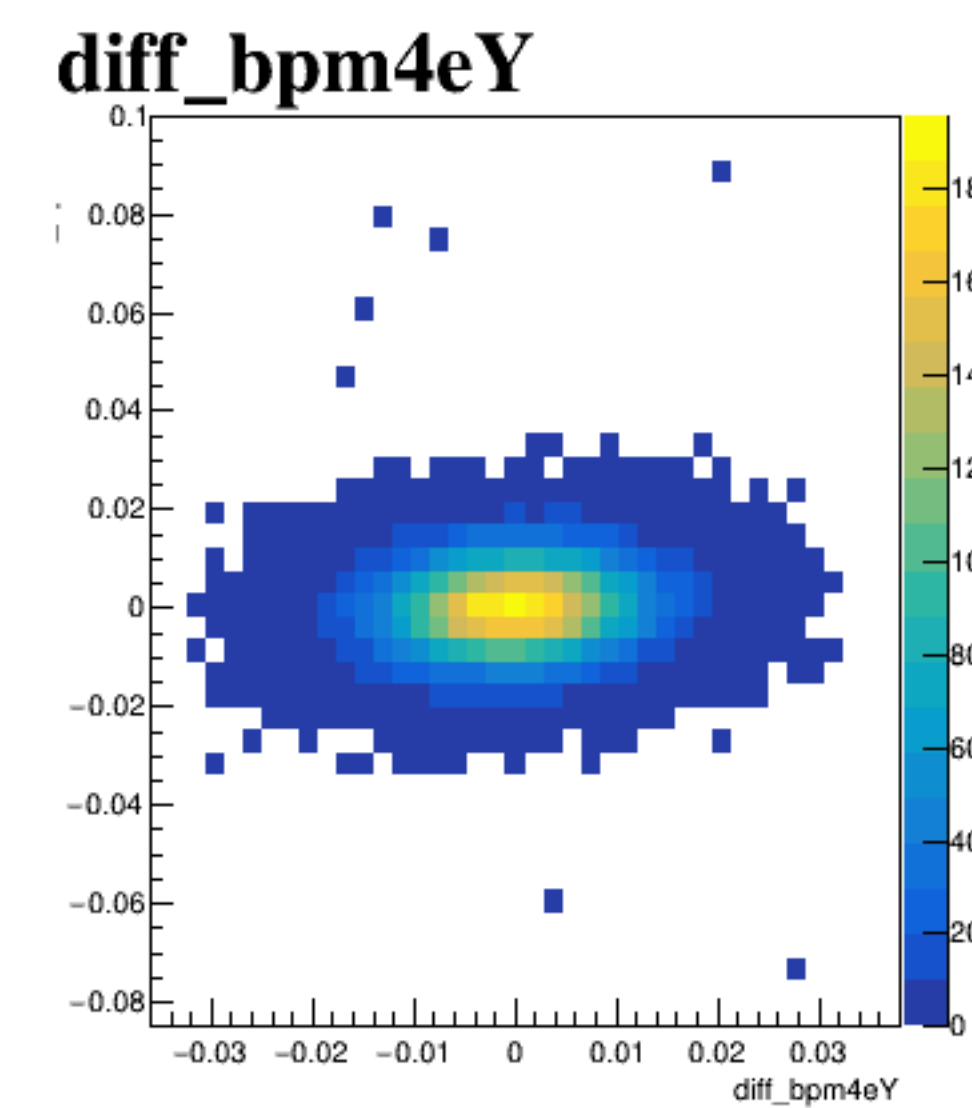
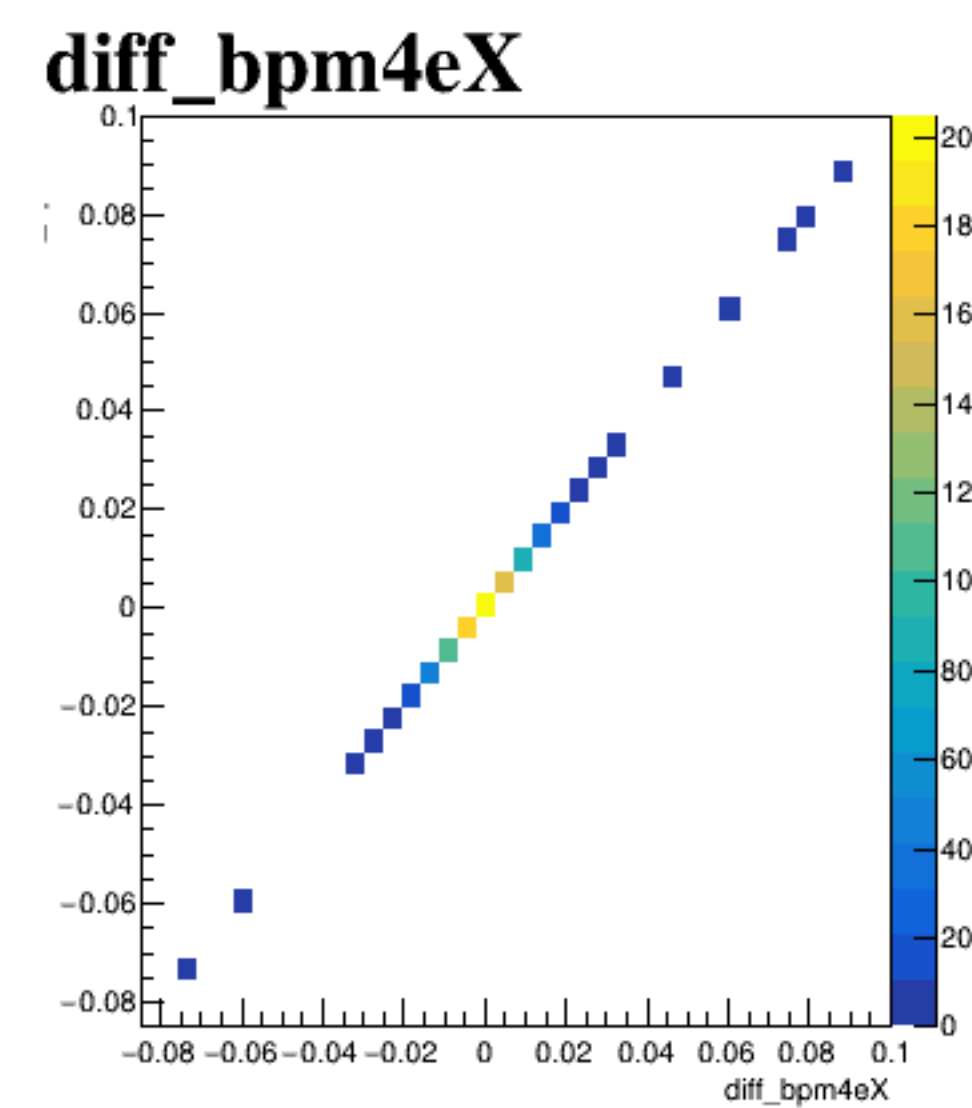
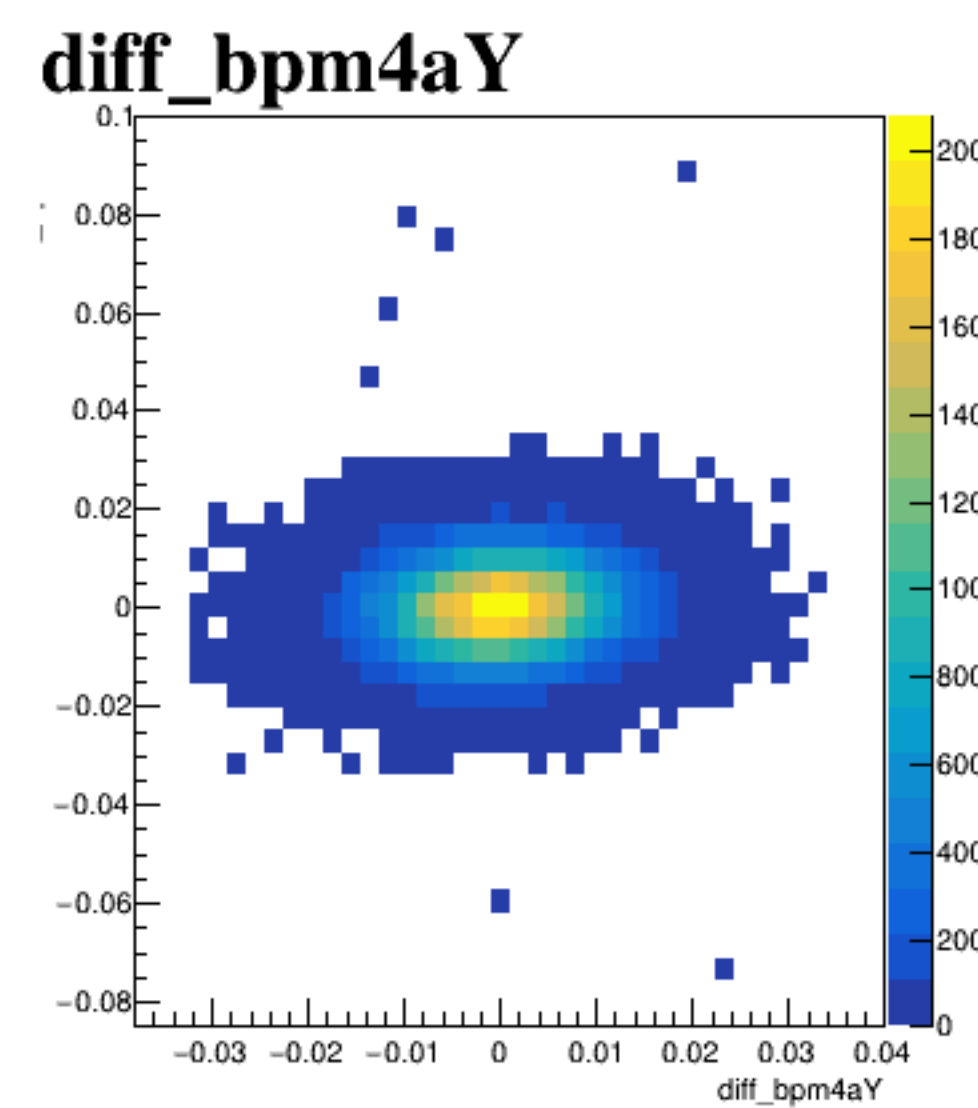
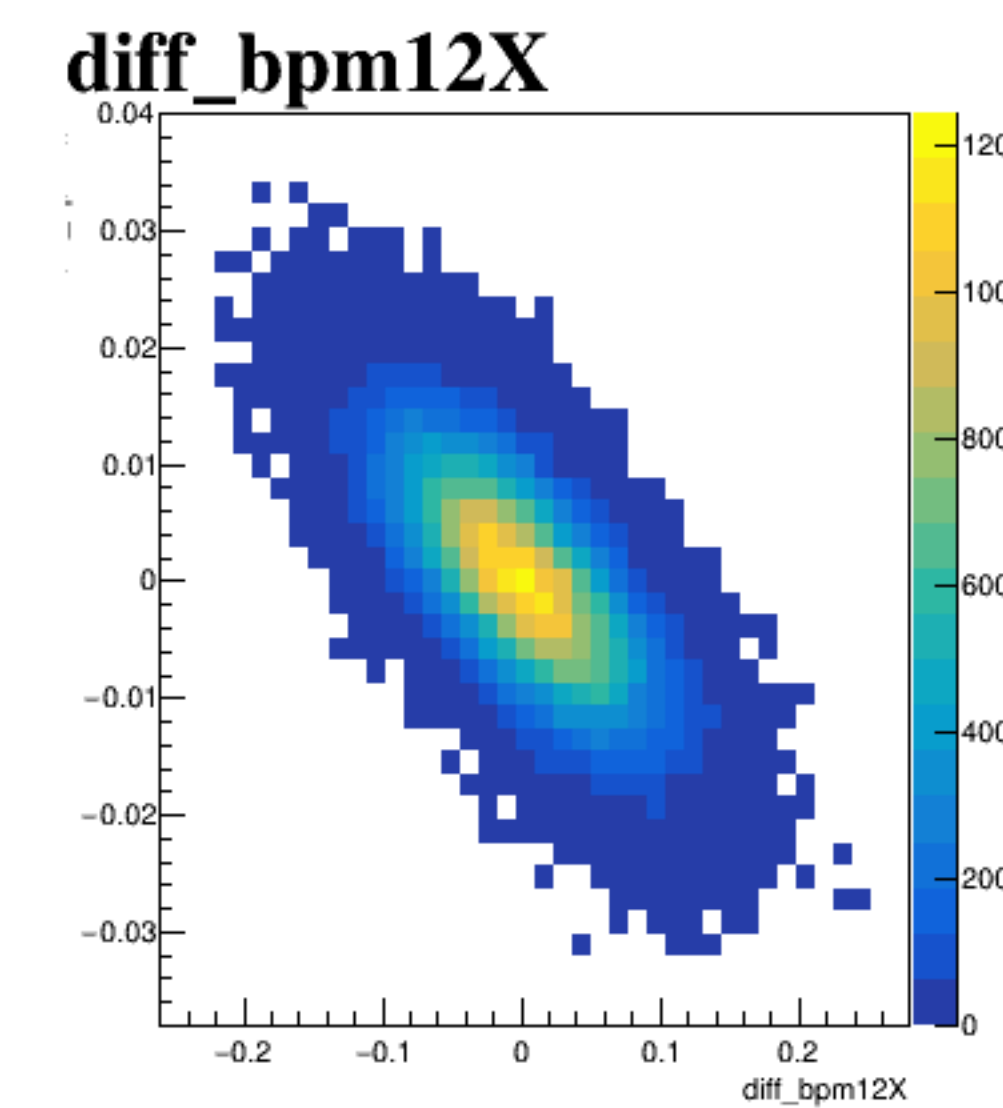
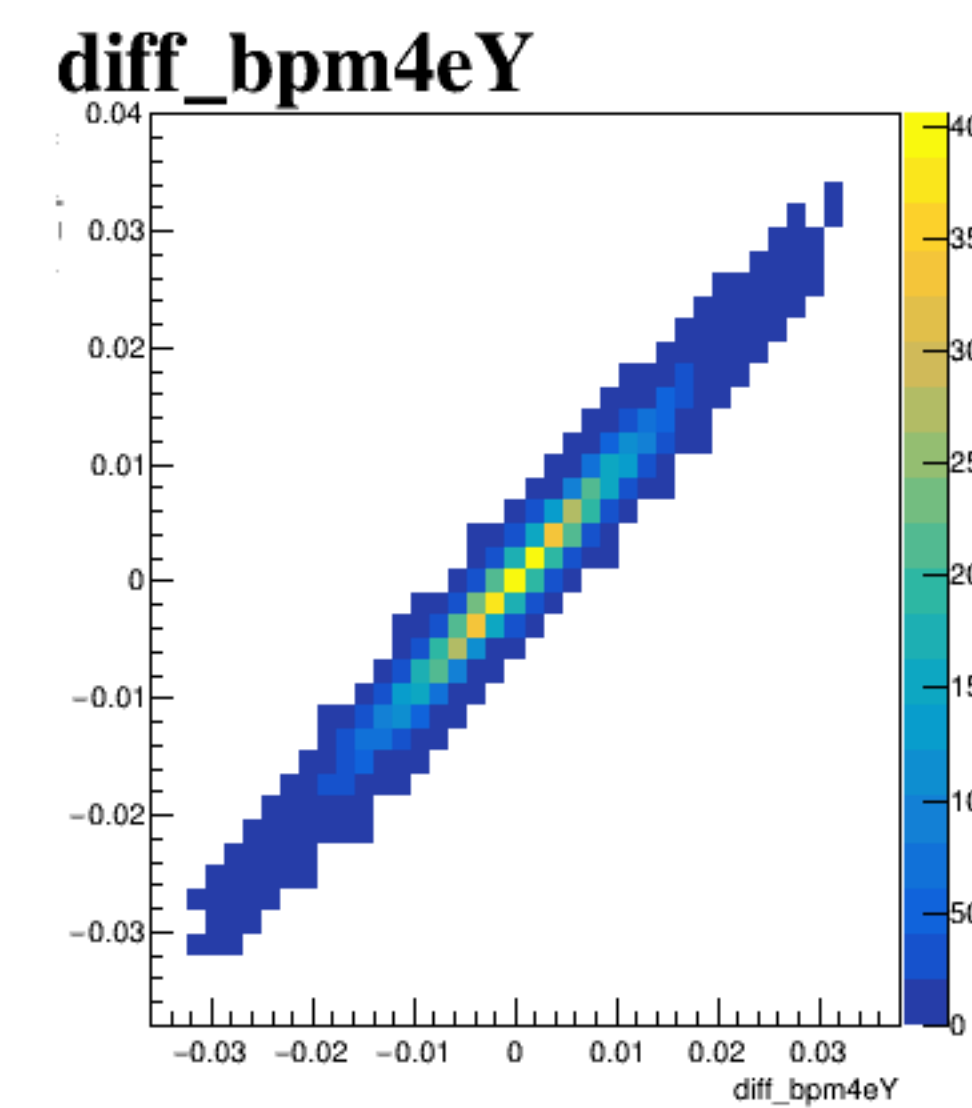
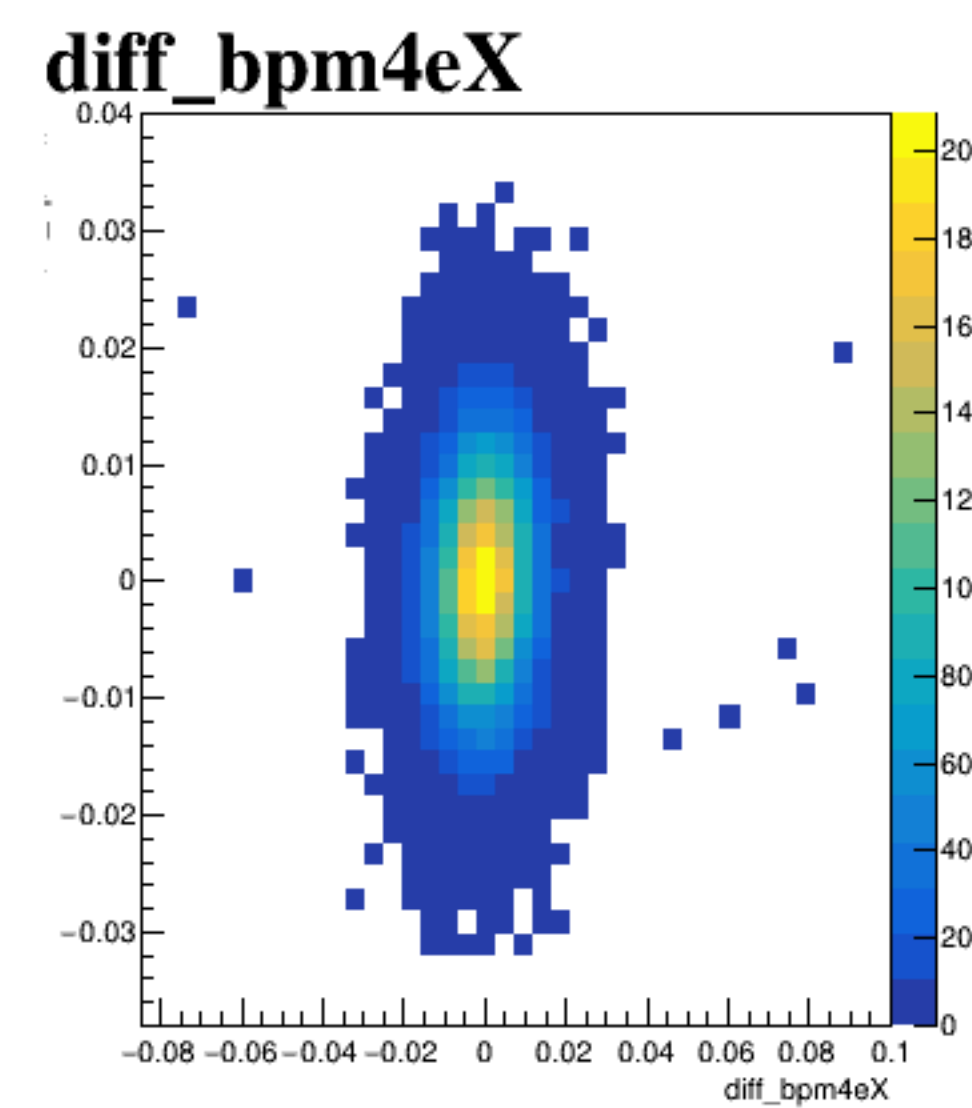
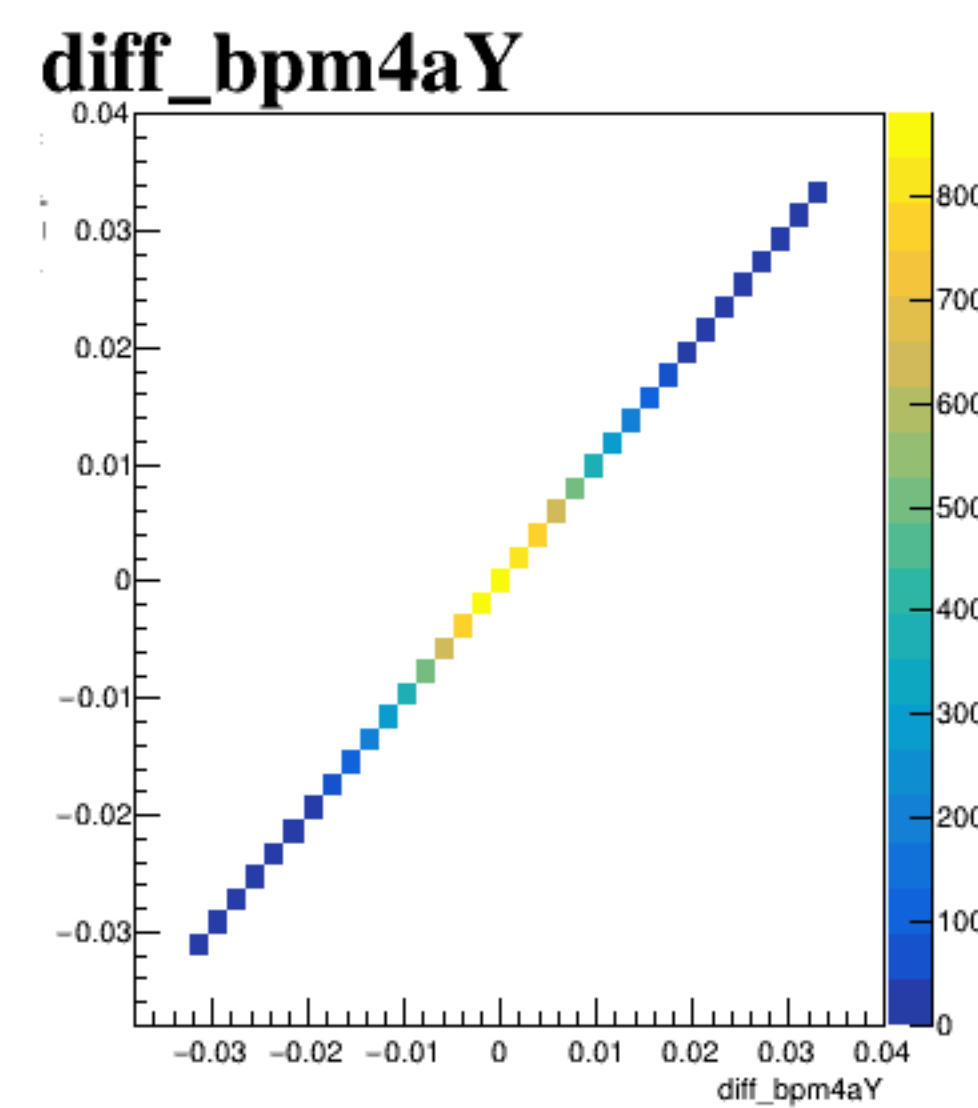
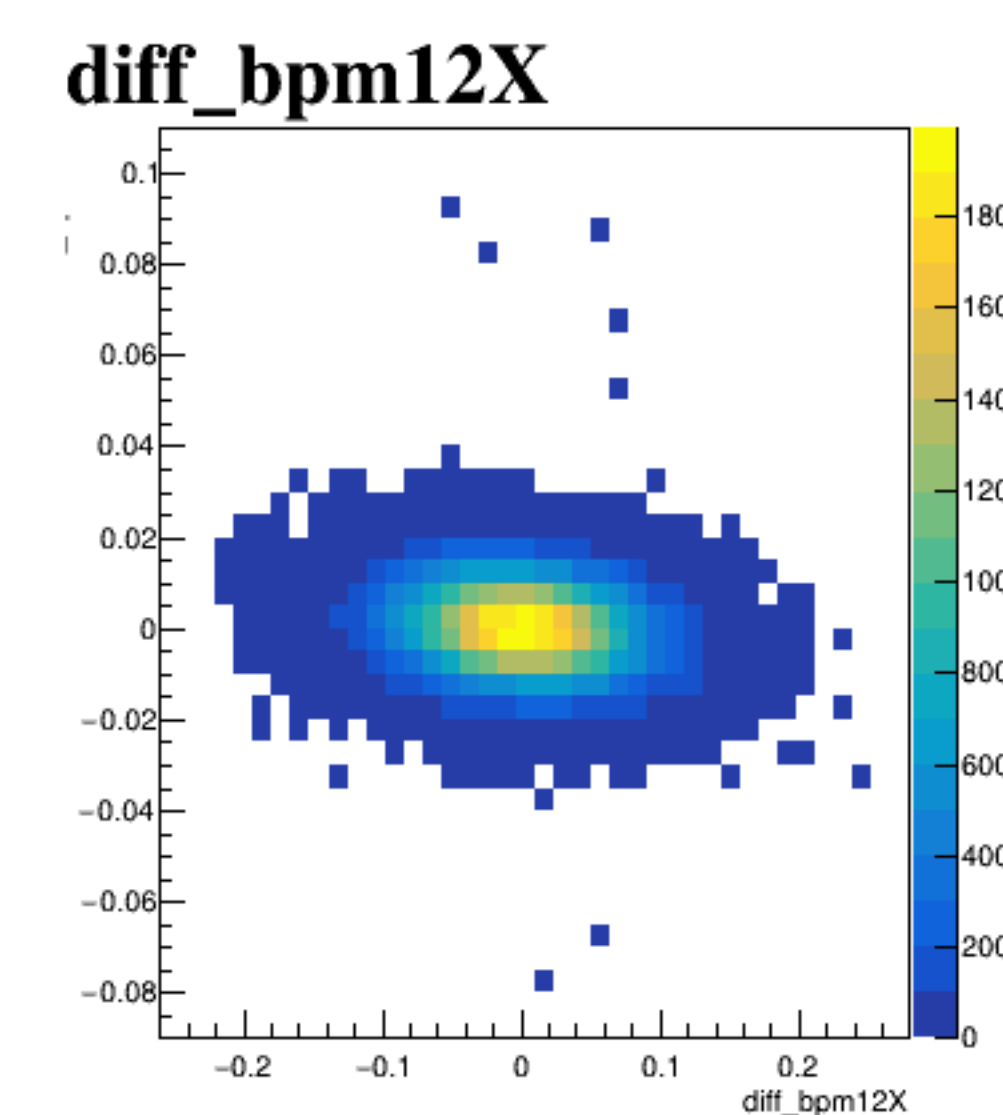
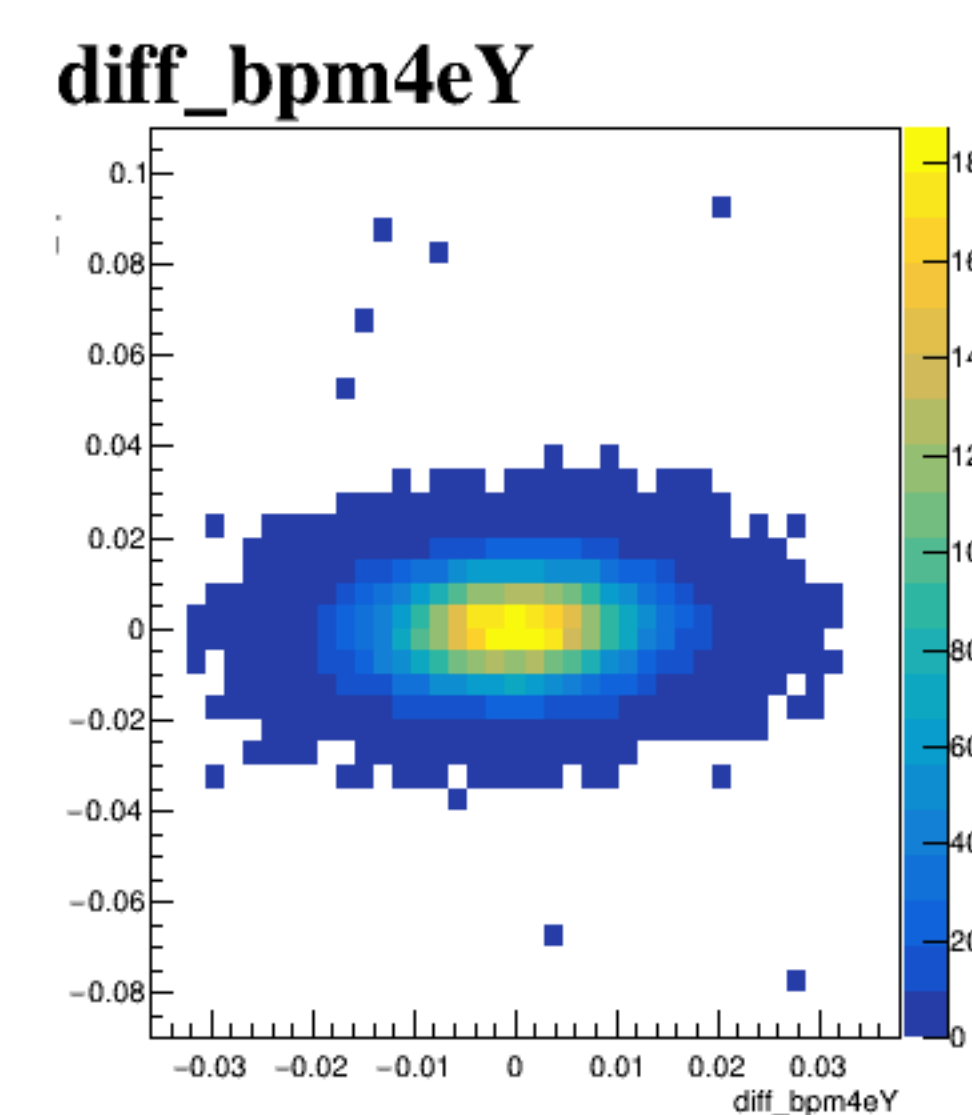
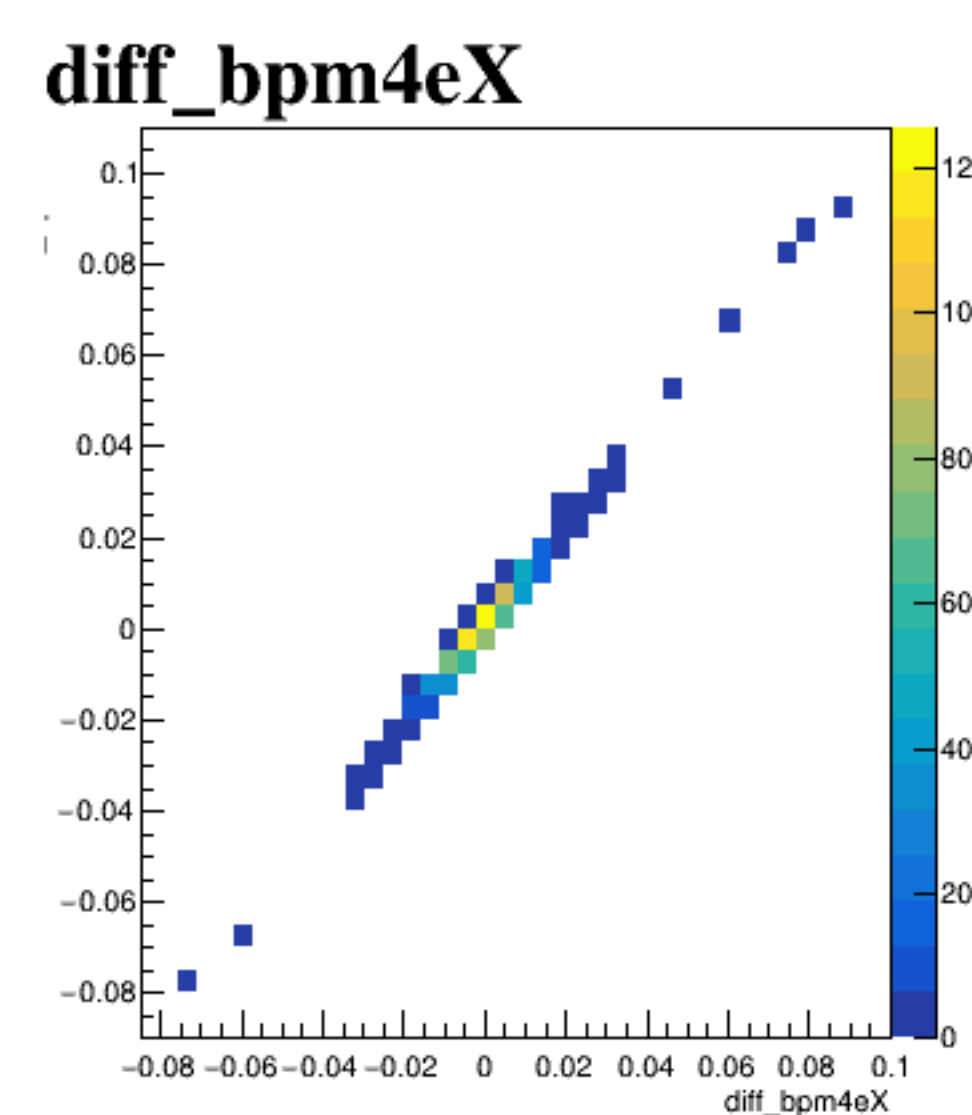
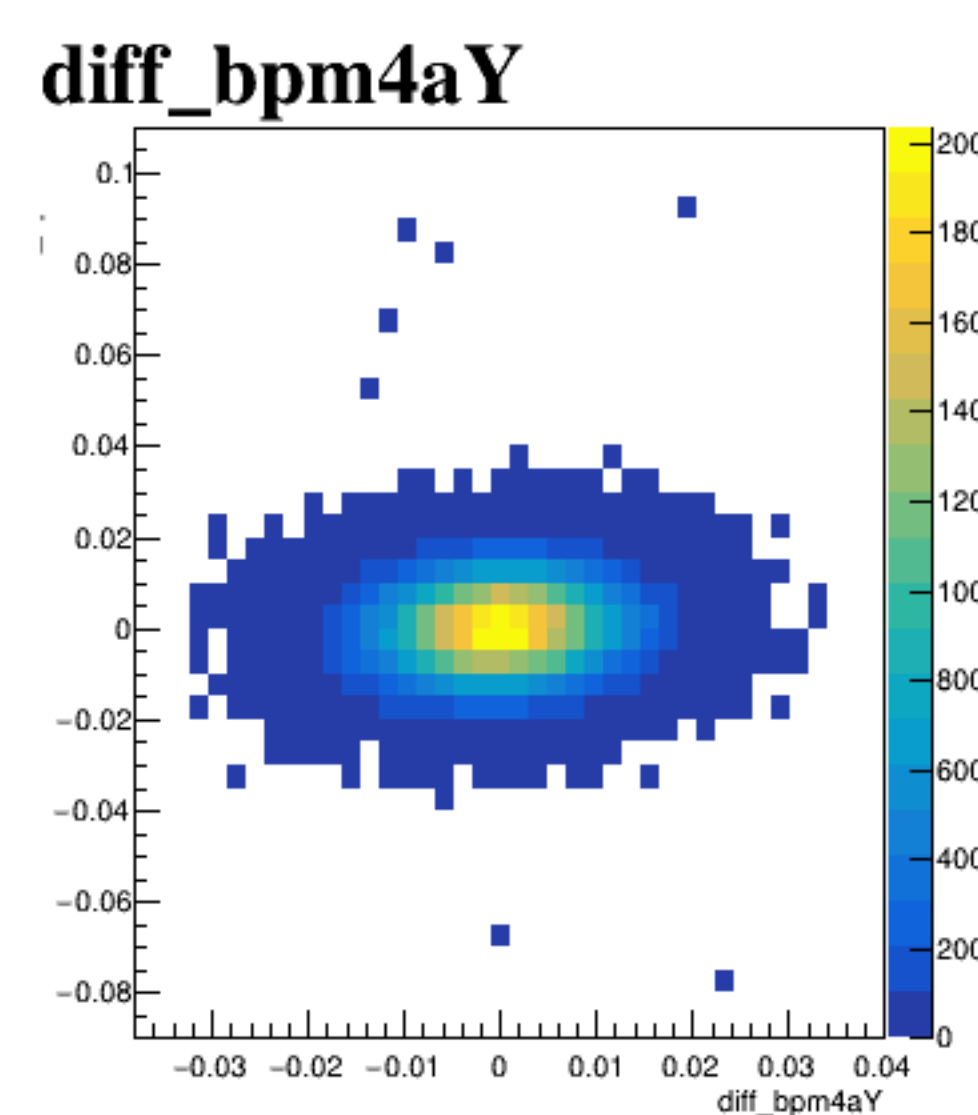


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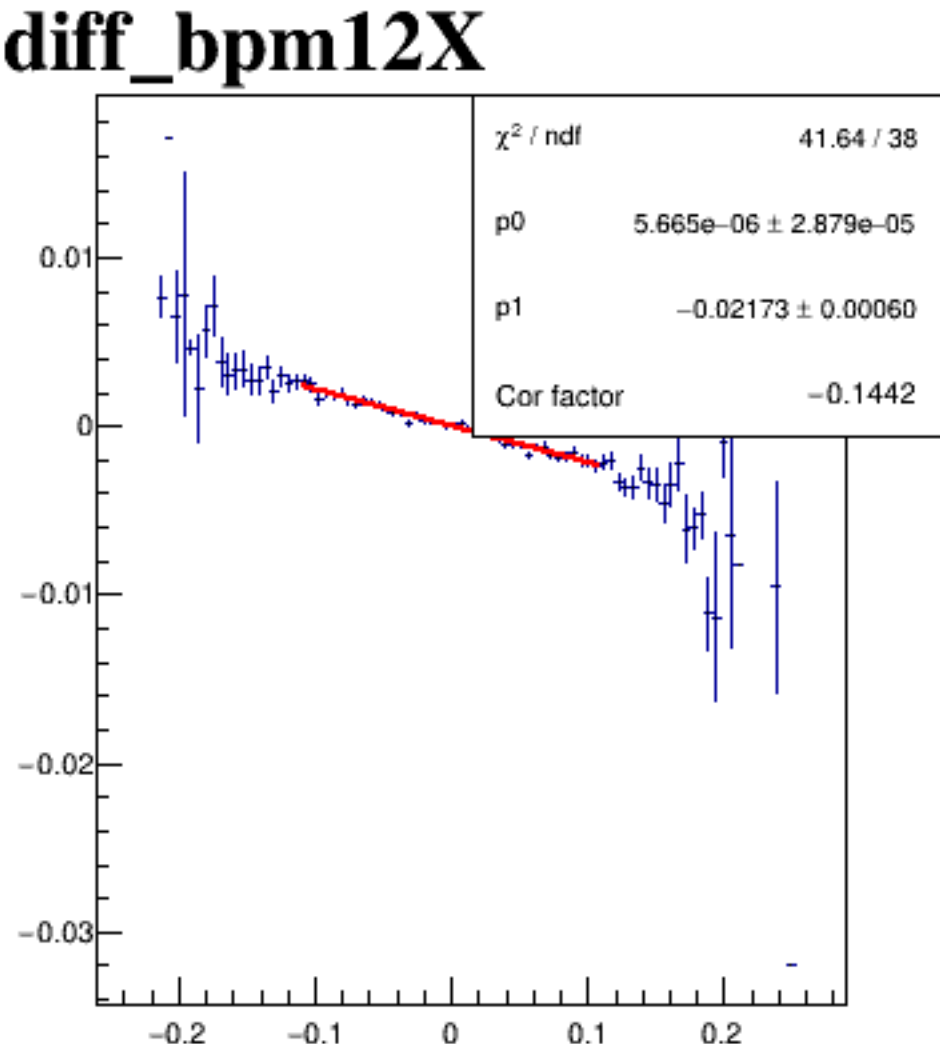
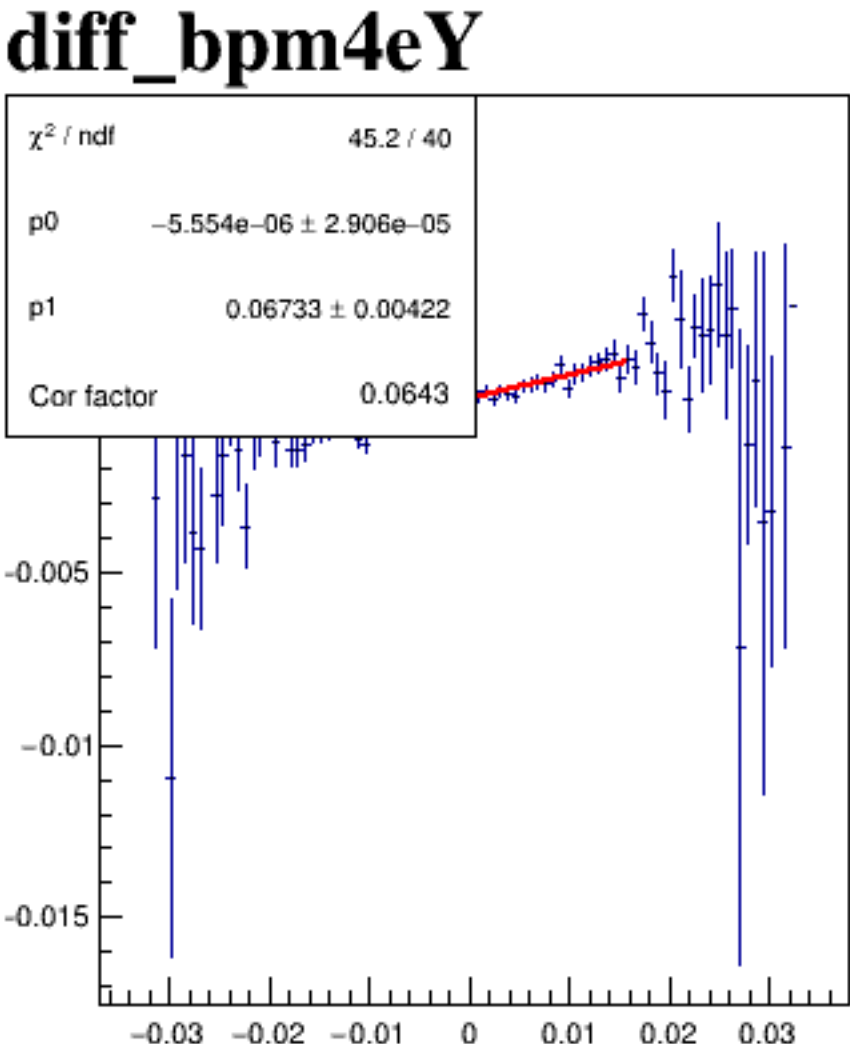
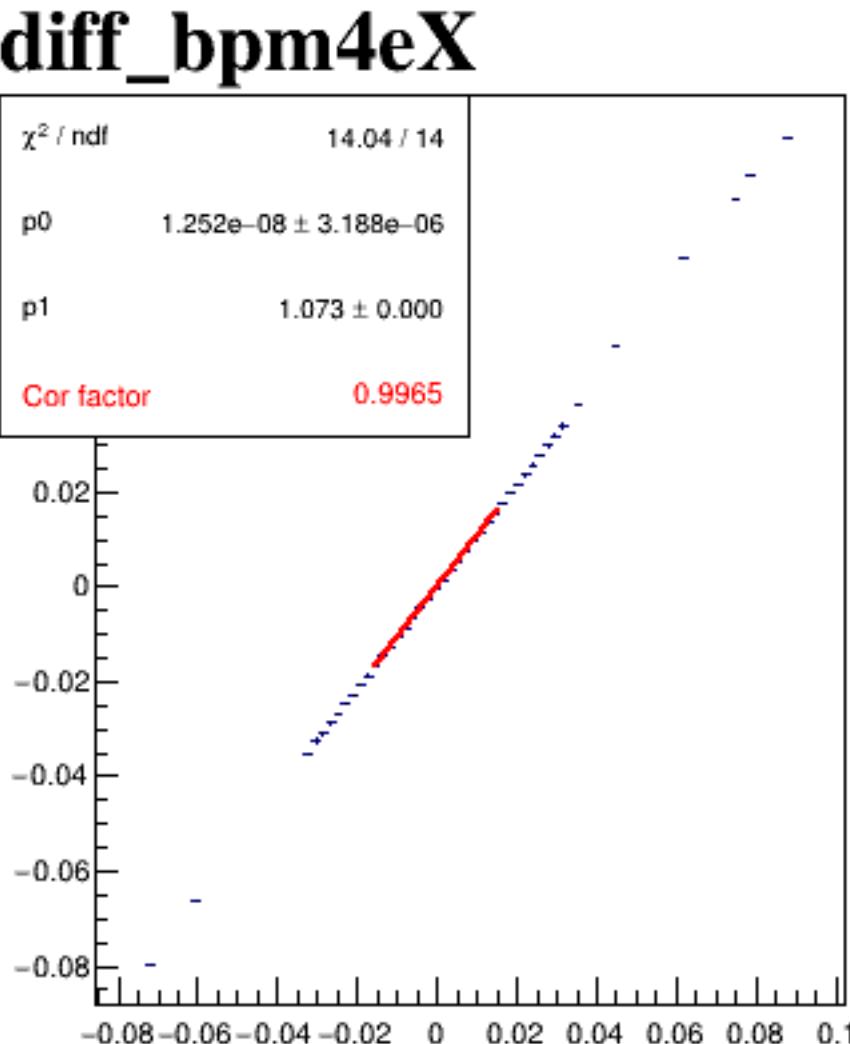
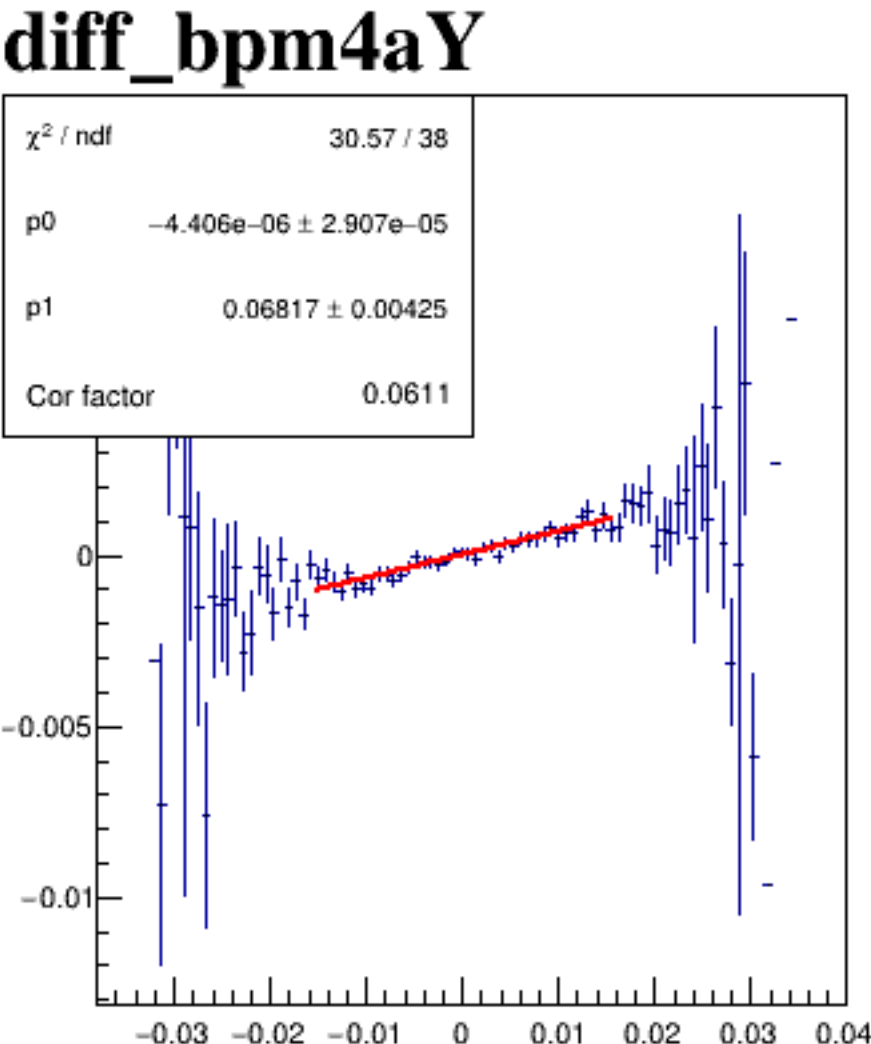
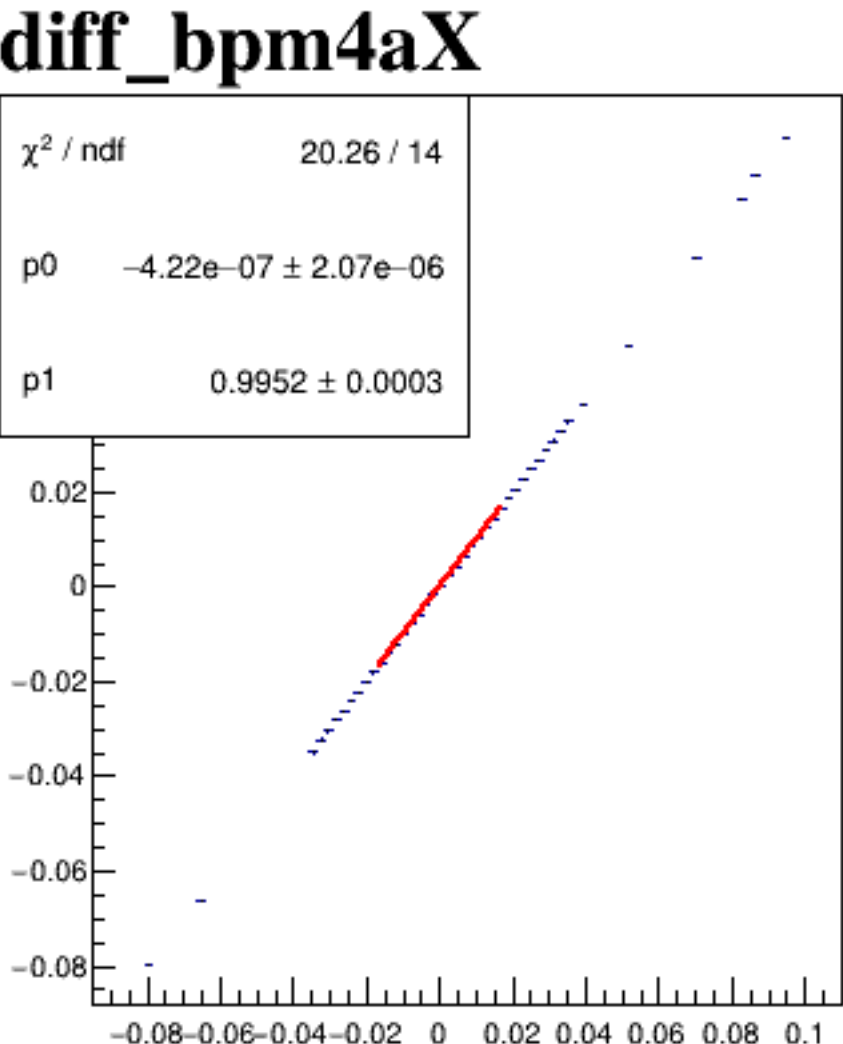
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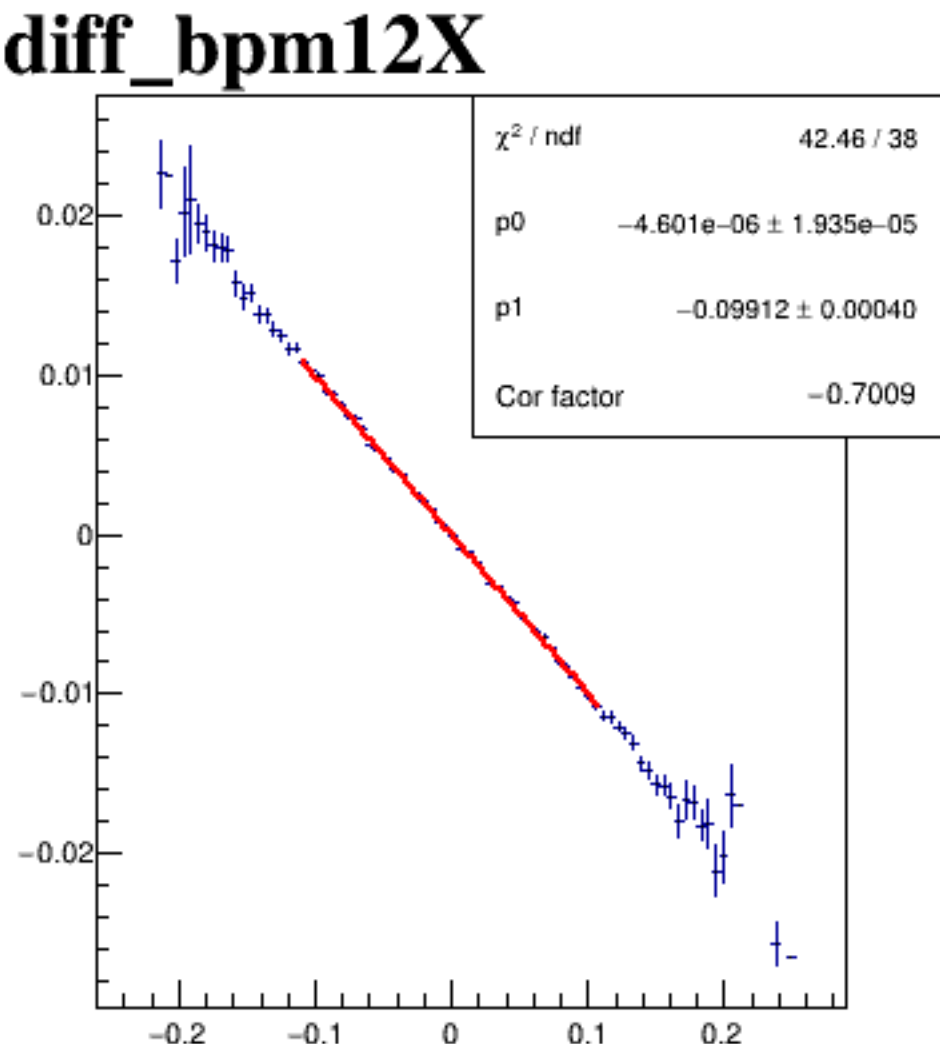
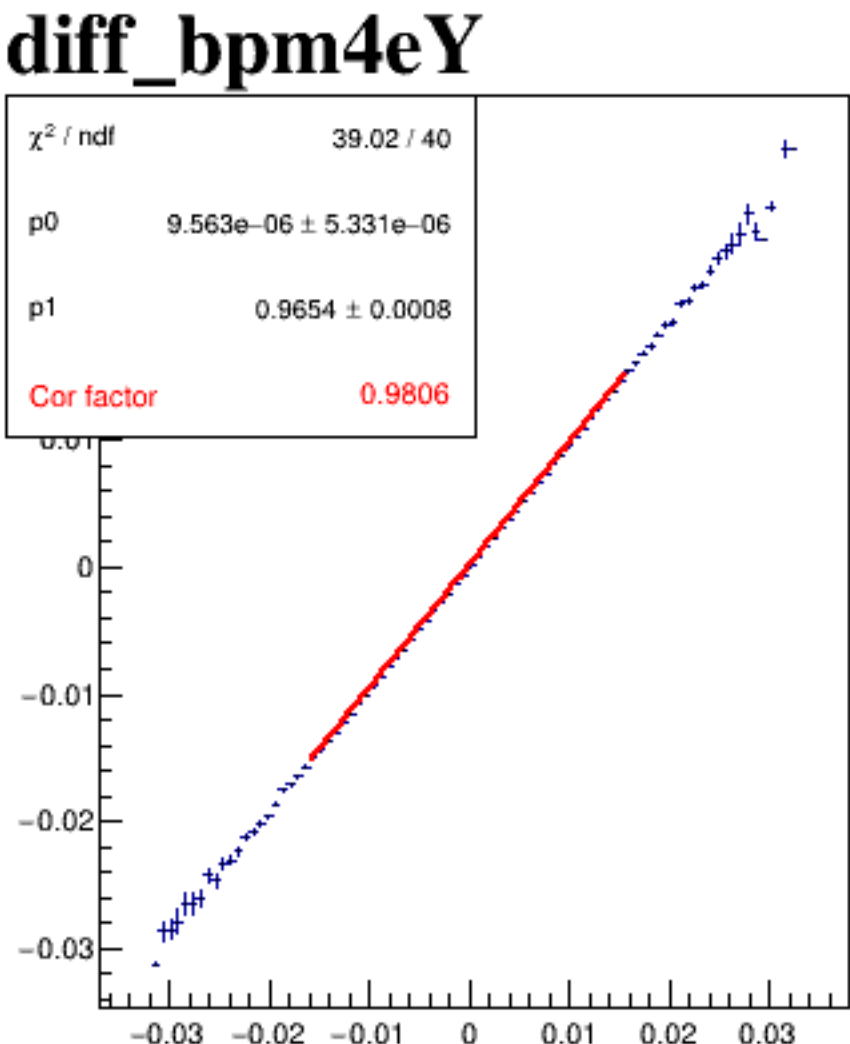
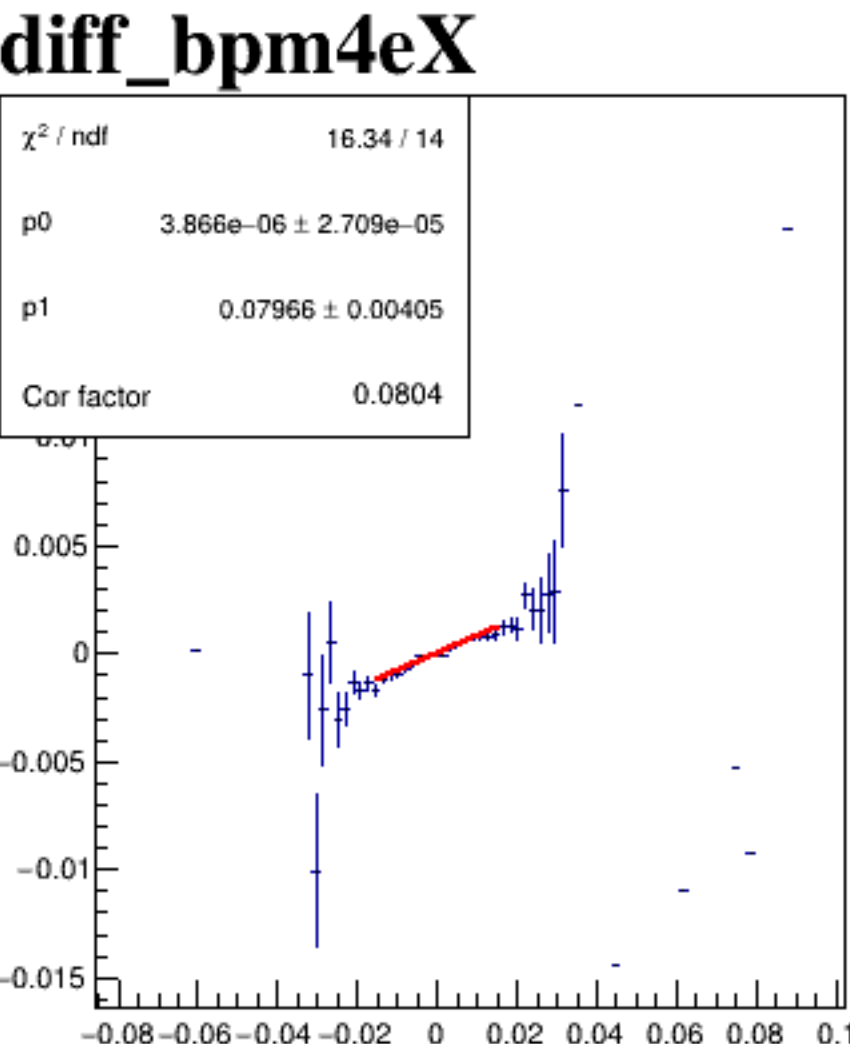
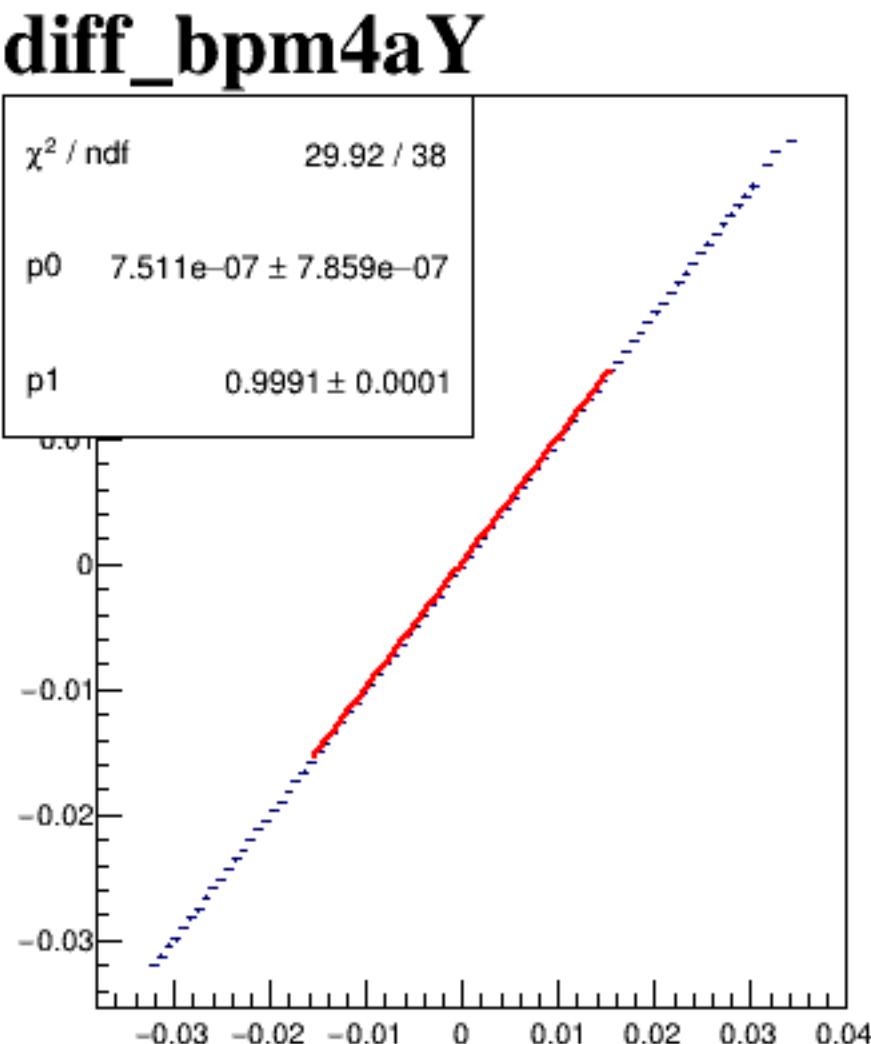
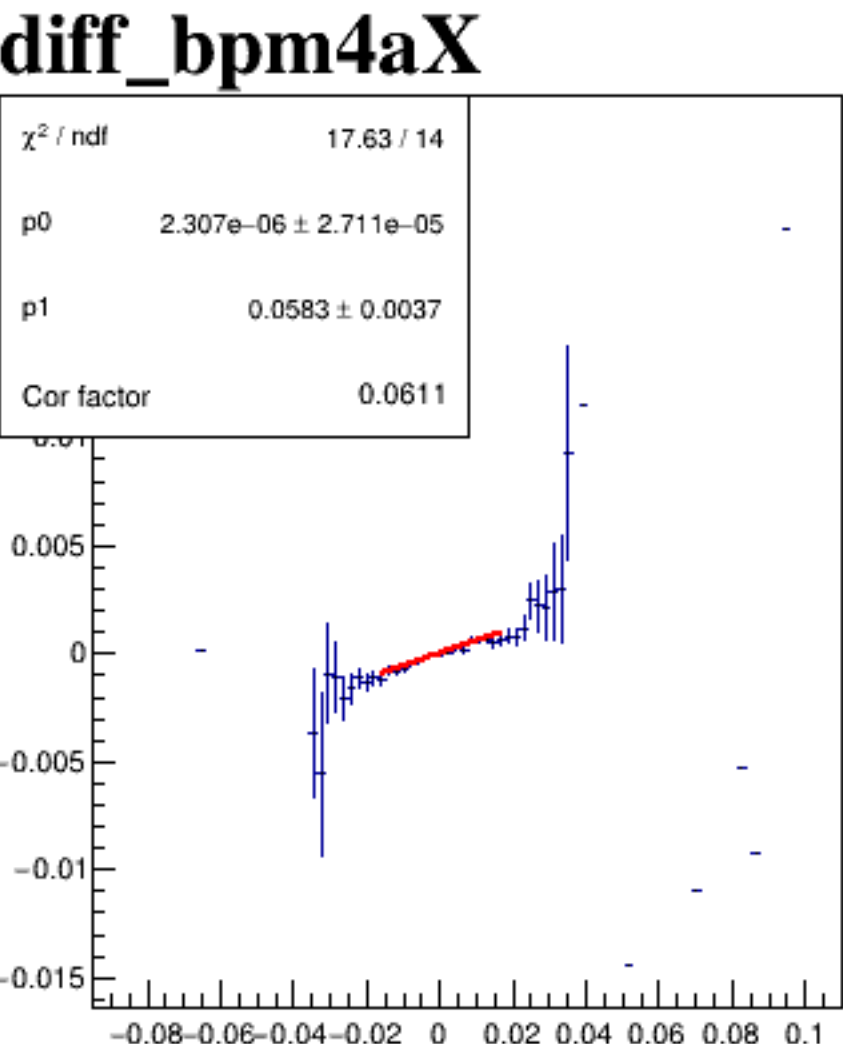


run7319_000_diff_bpm_mutual_correlation_COLZ_default.png

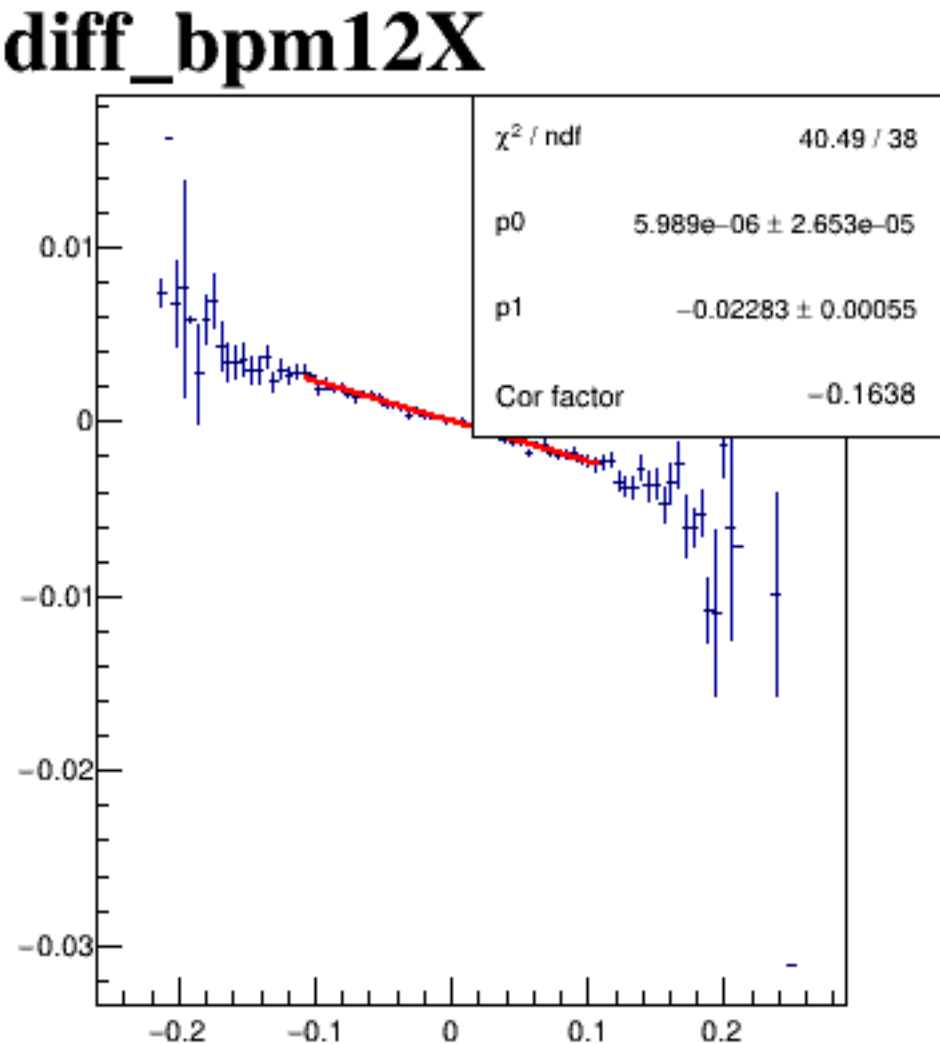
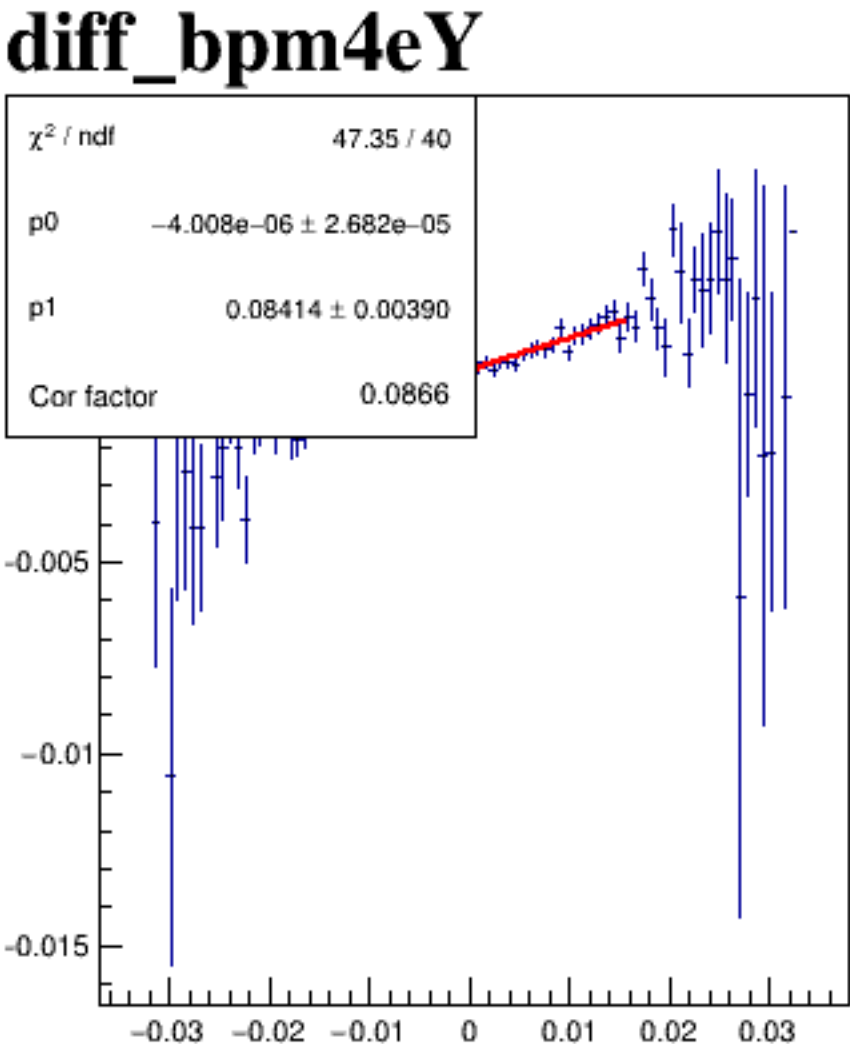
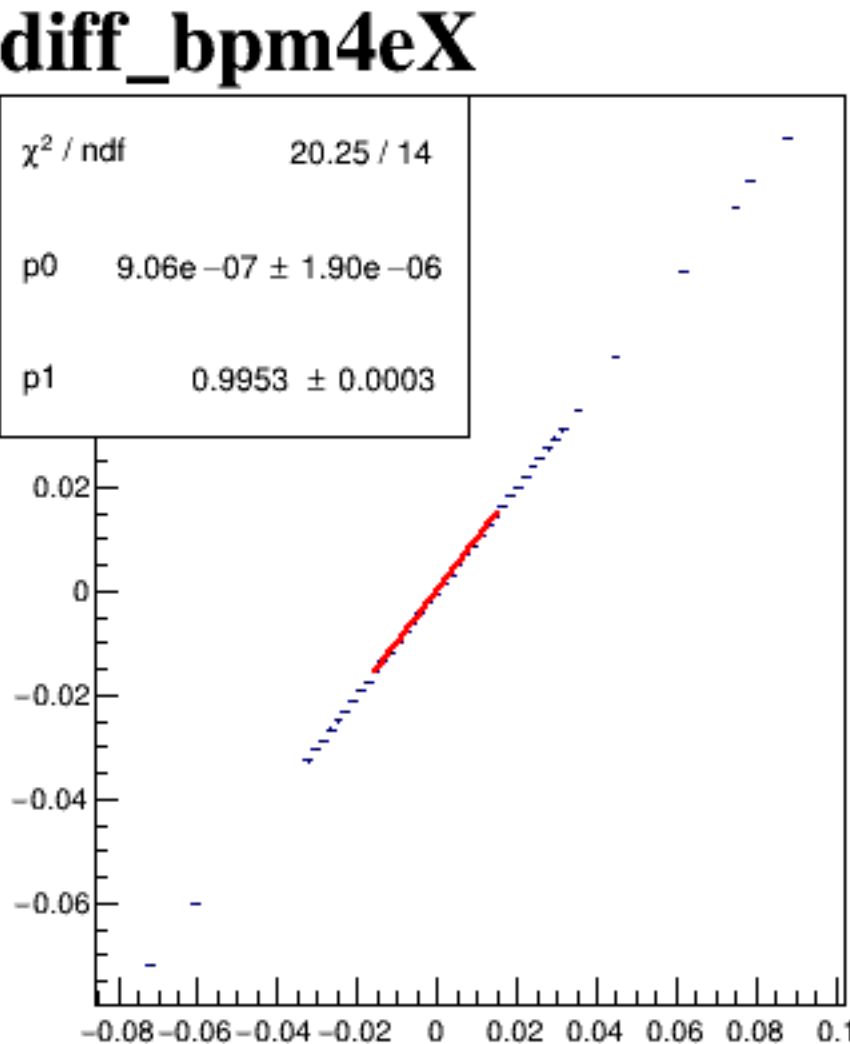
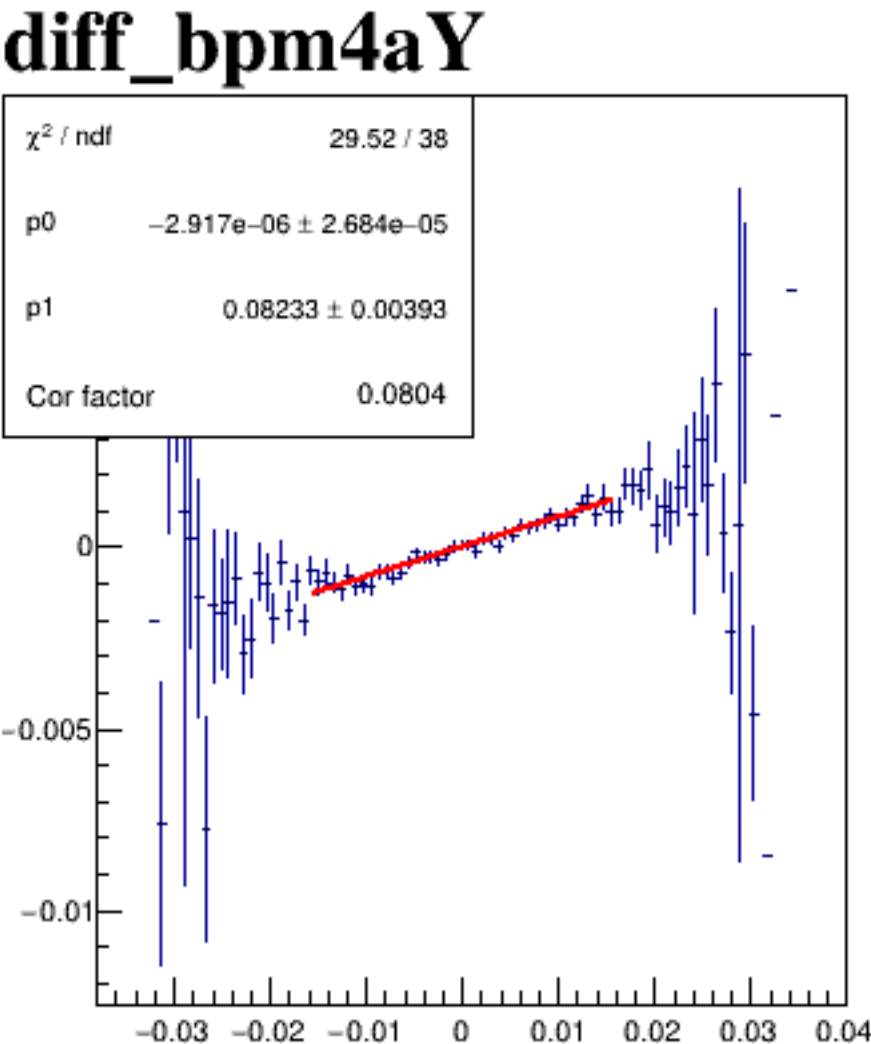
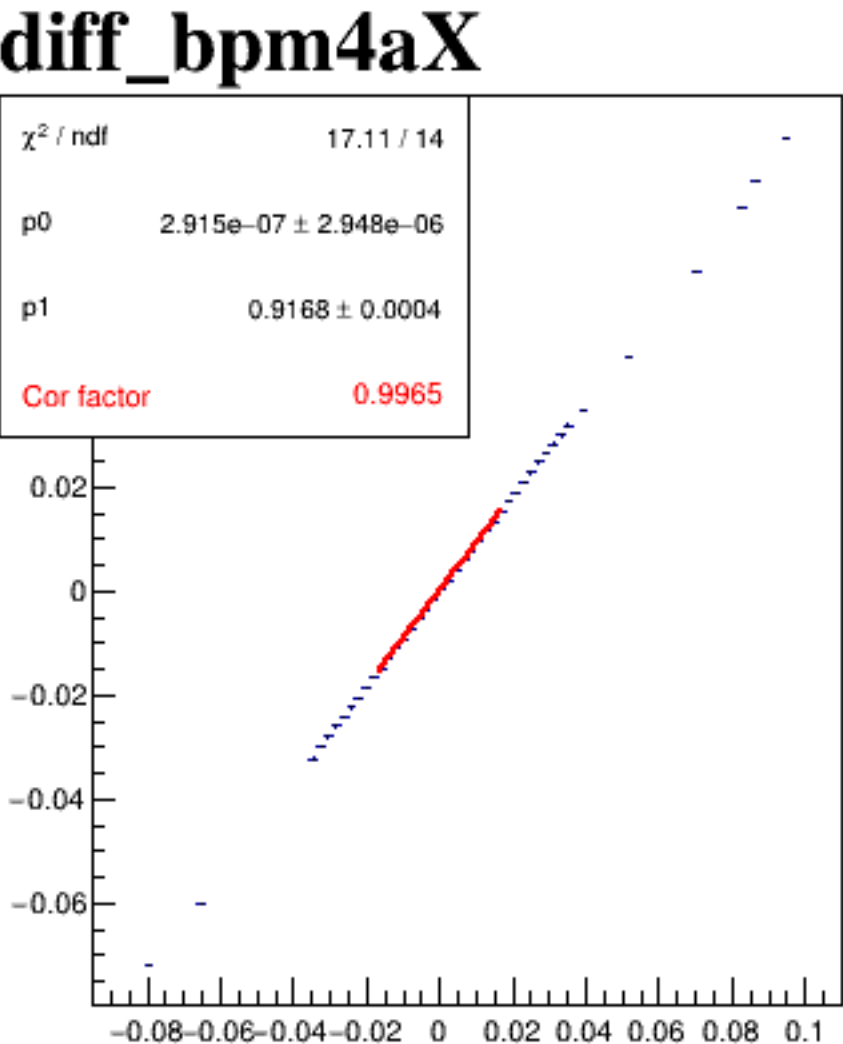
diff_bpm4aX



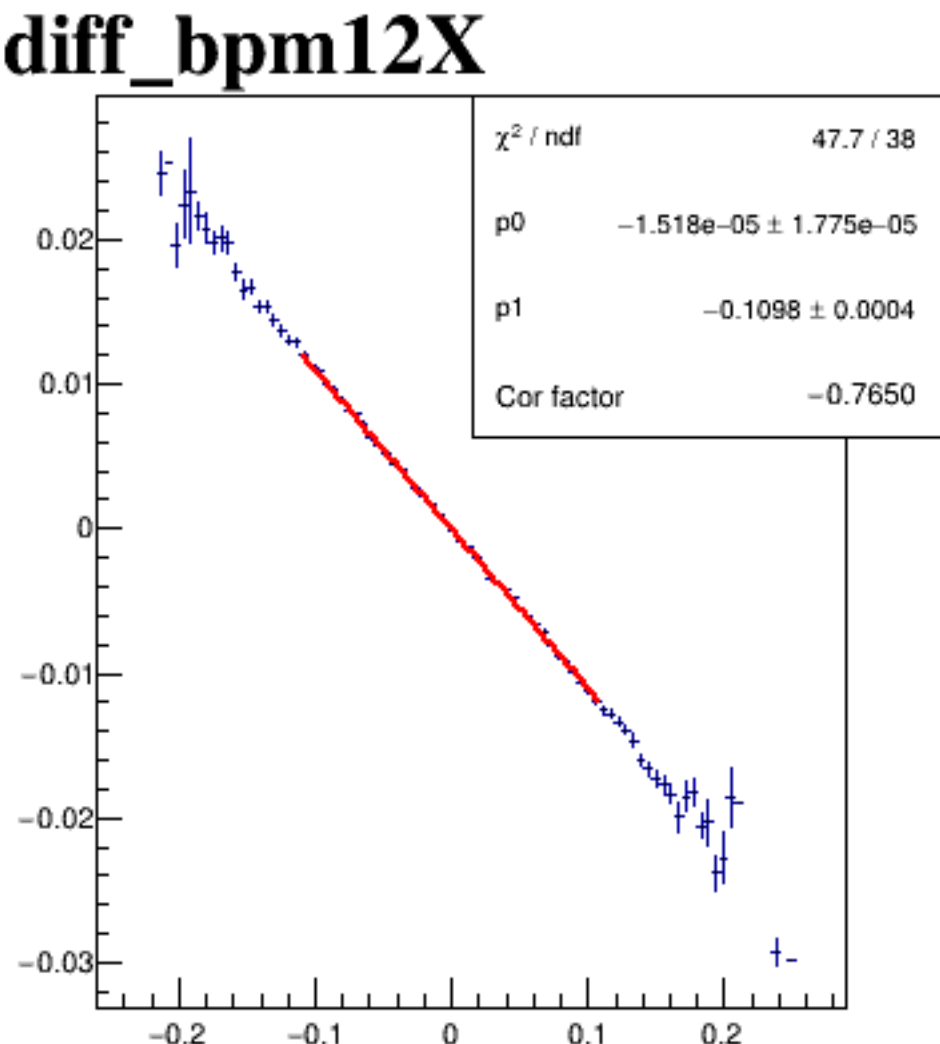
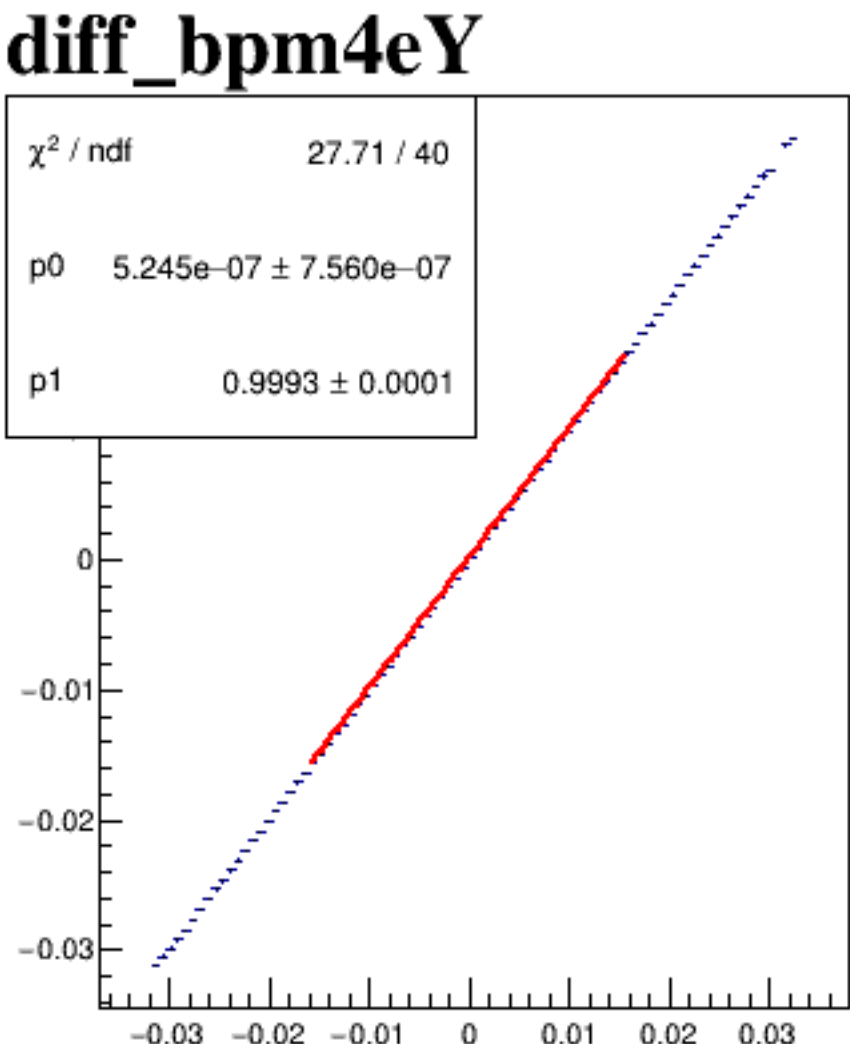
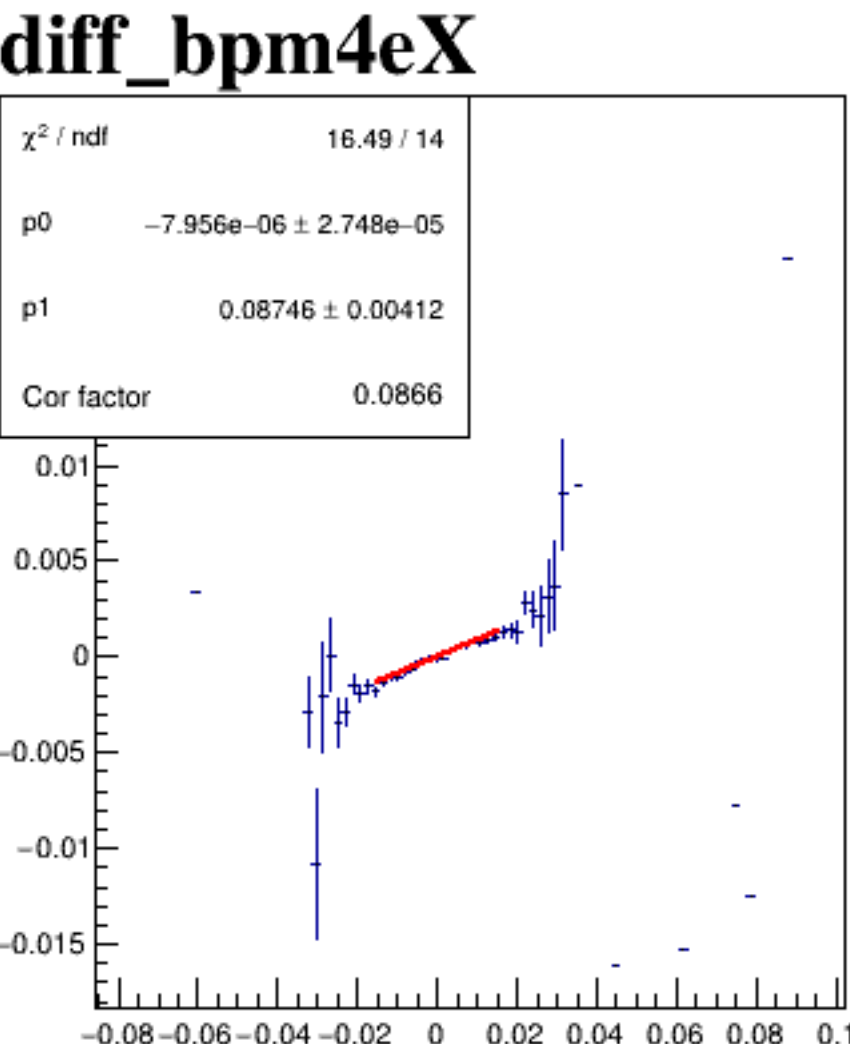
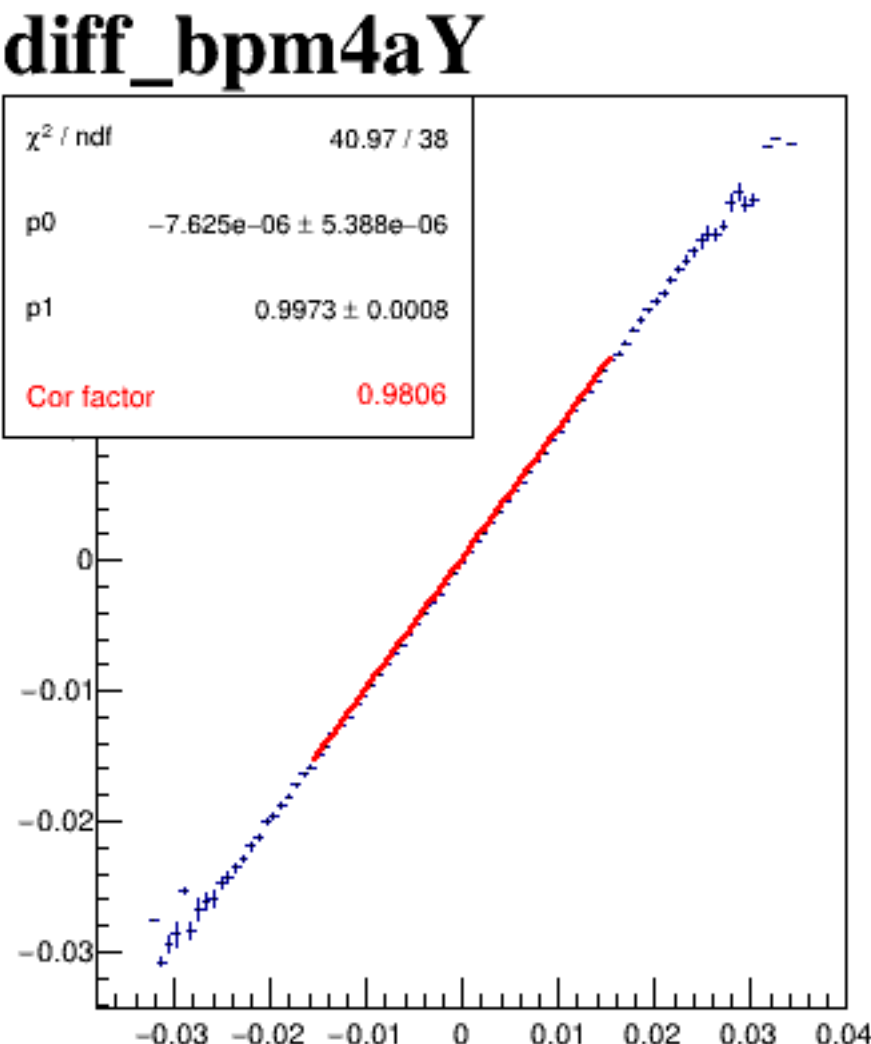
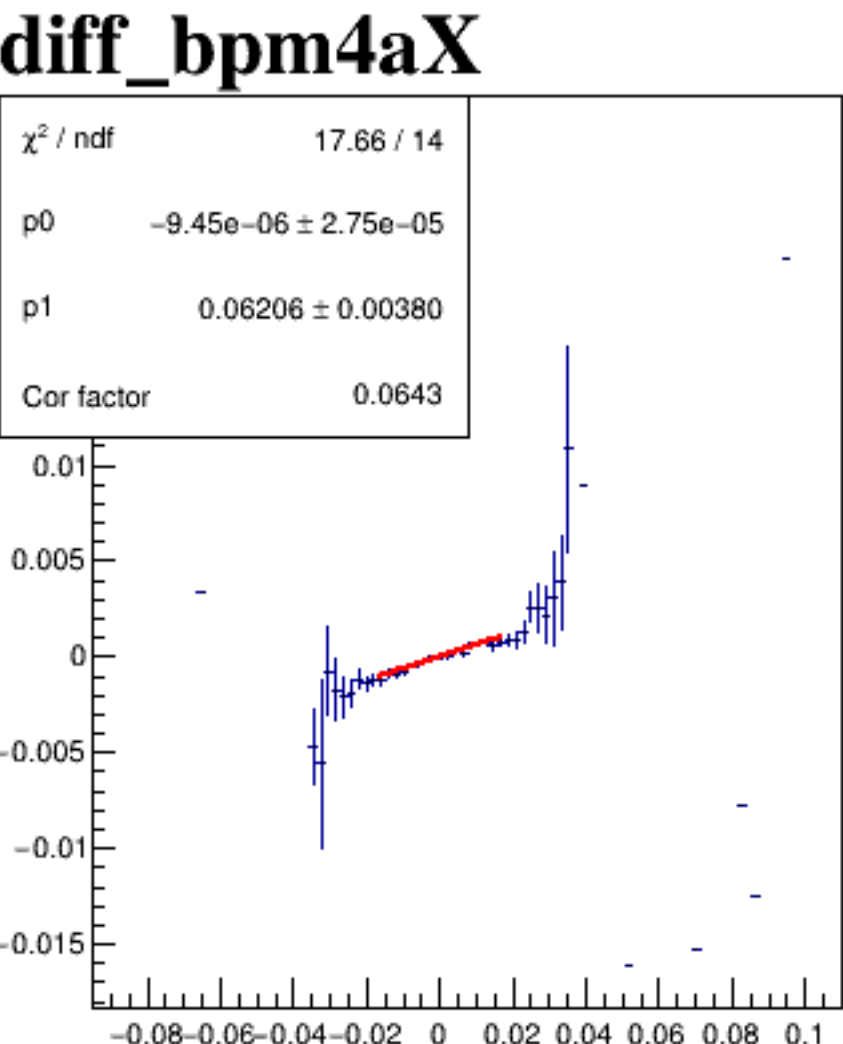
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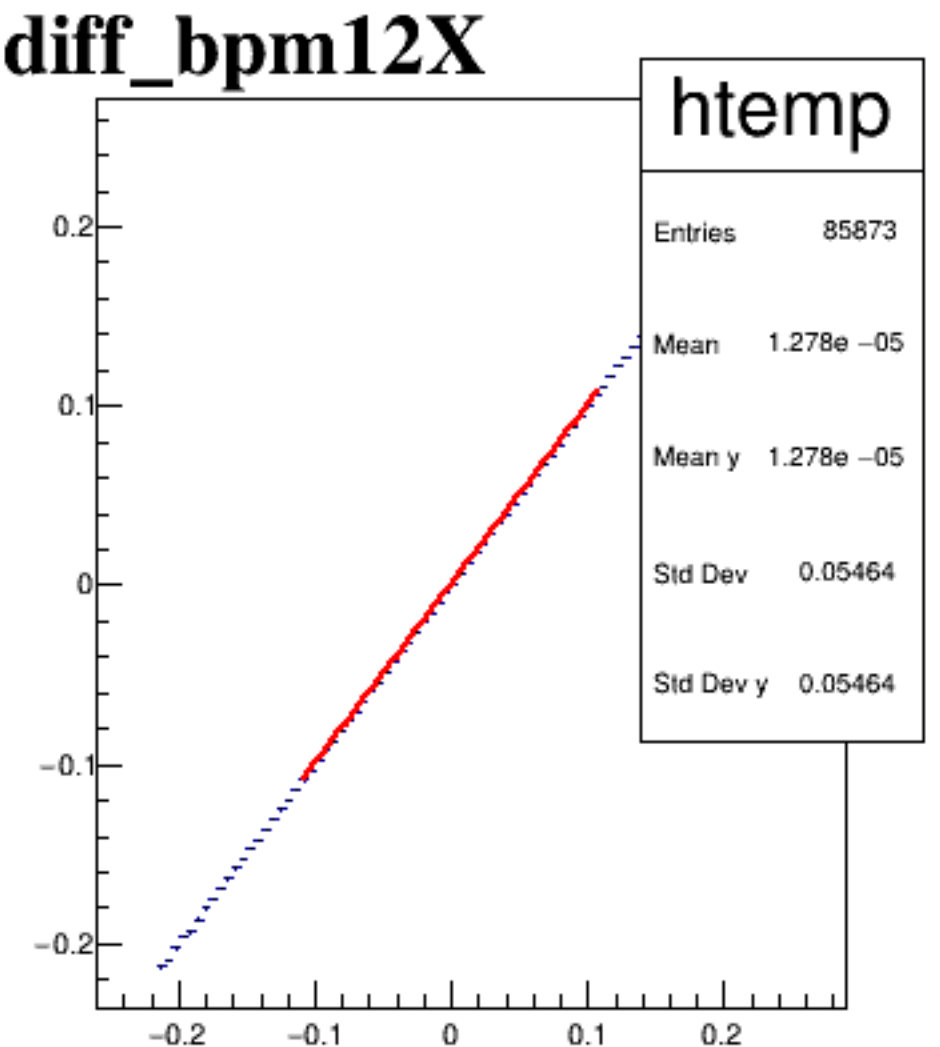
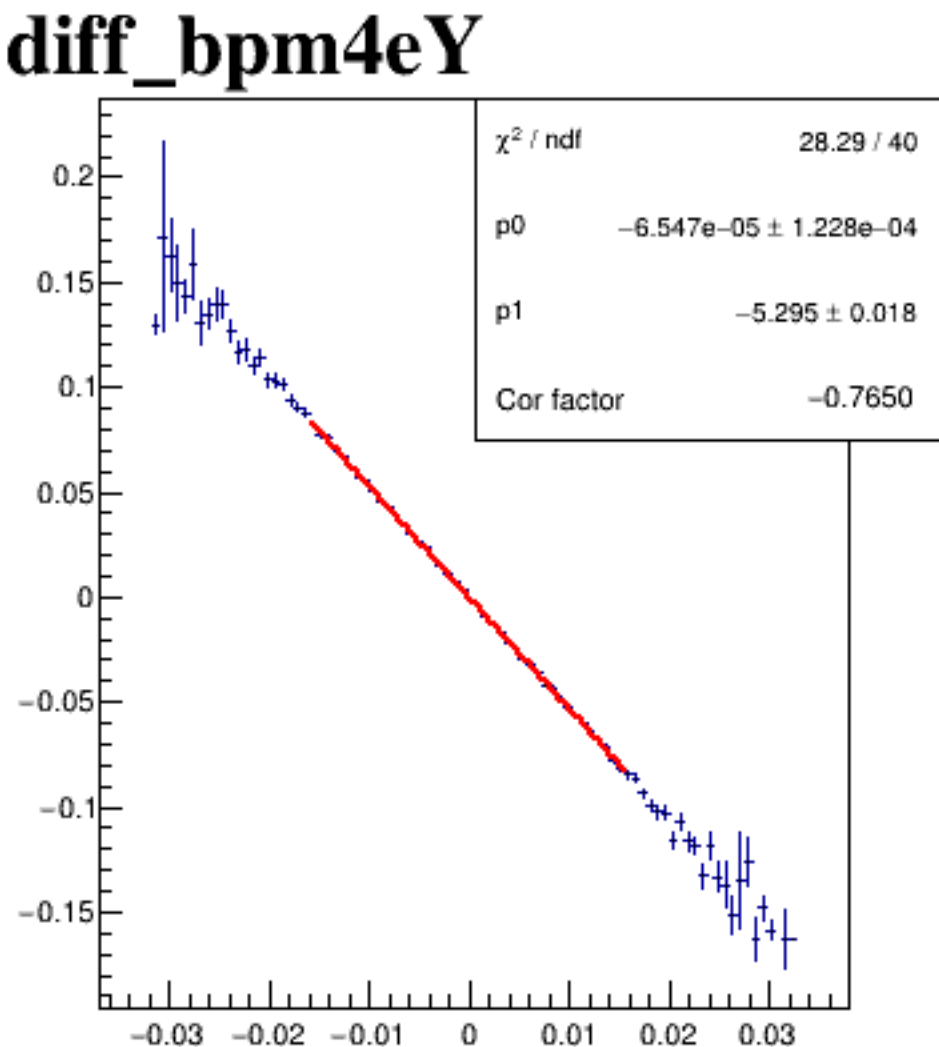
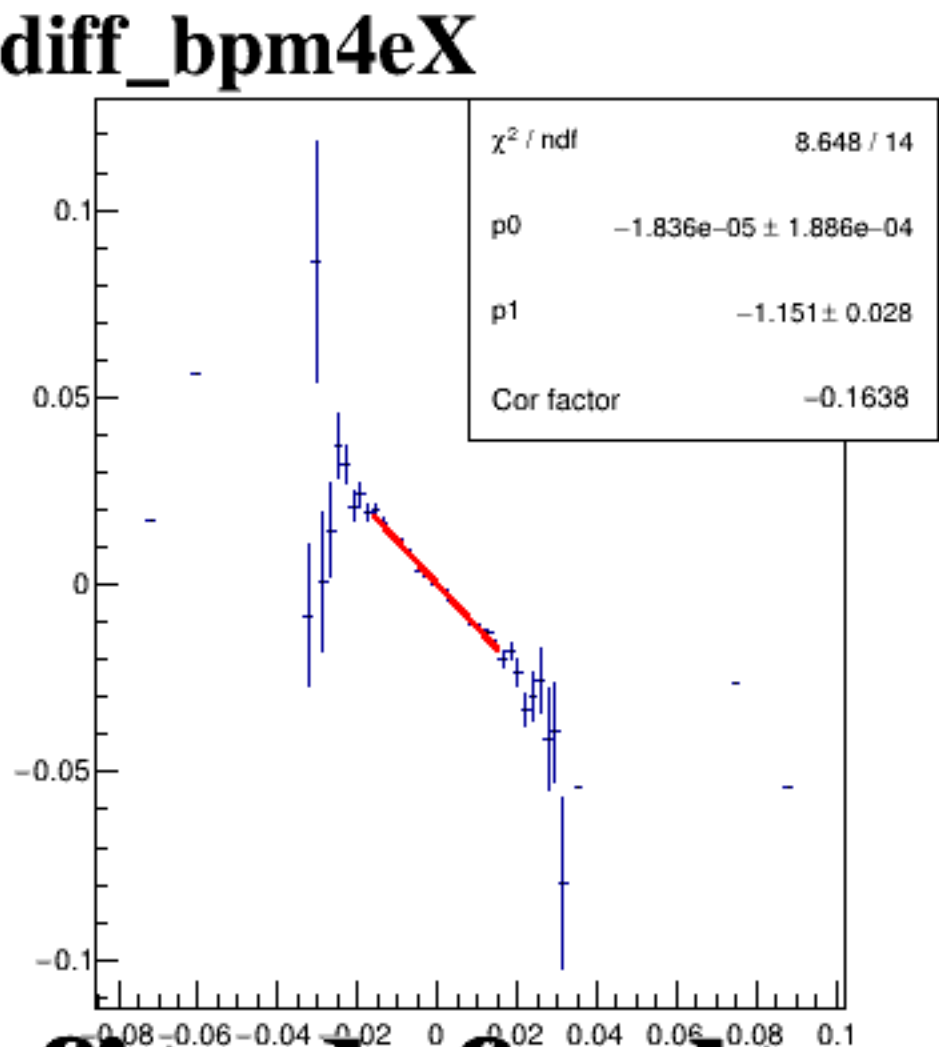
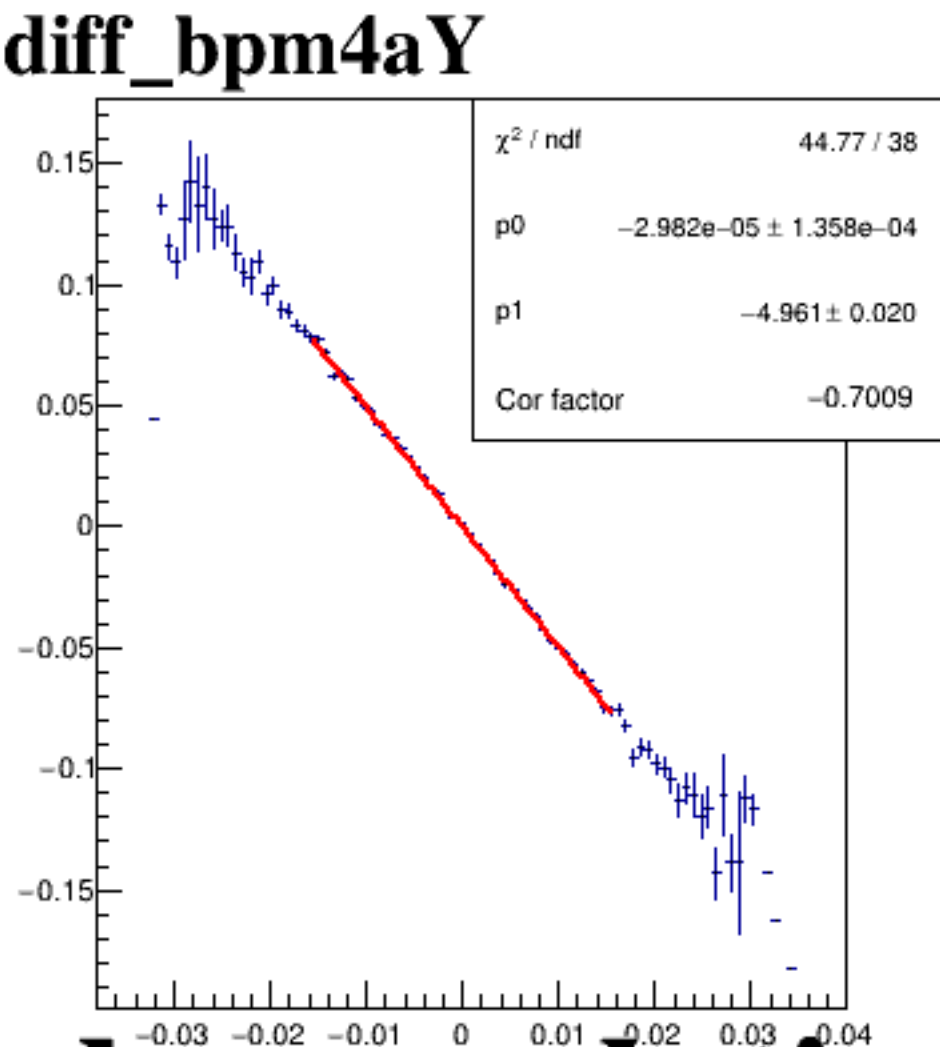
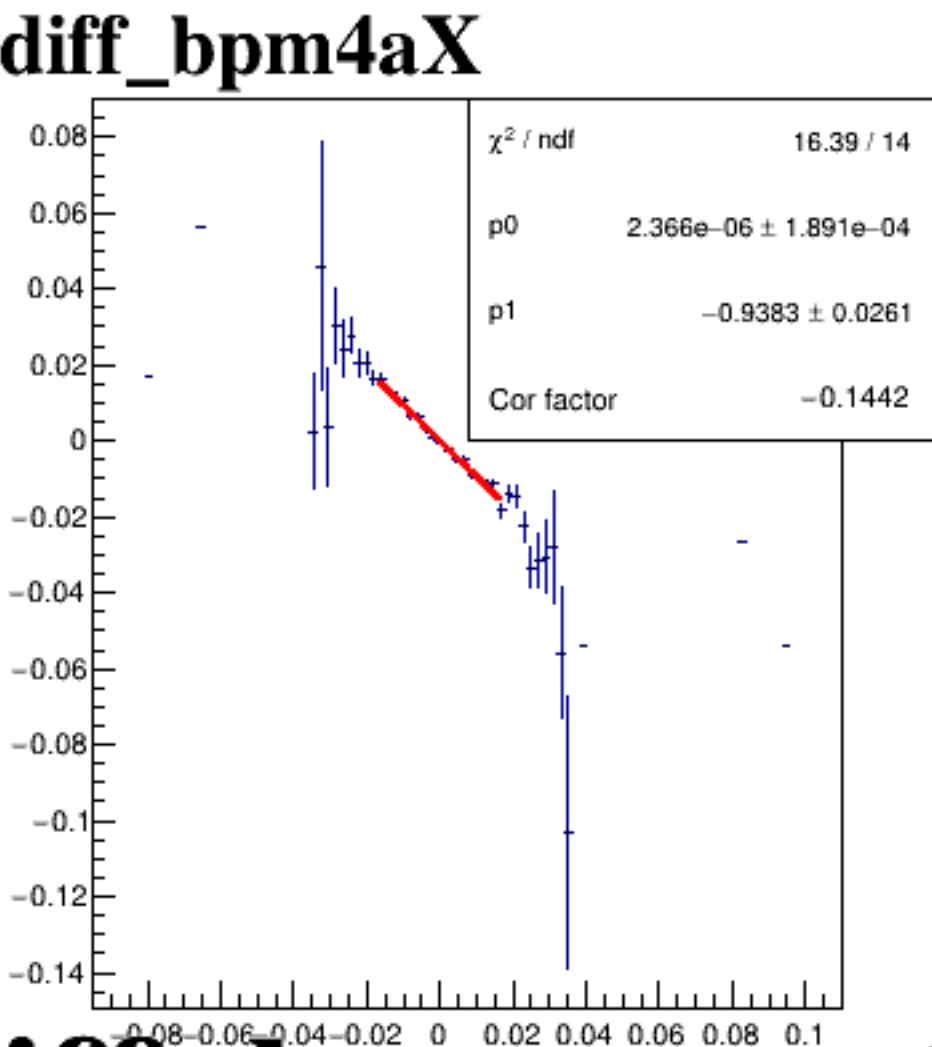
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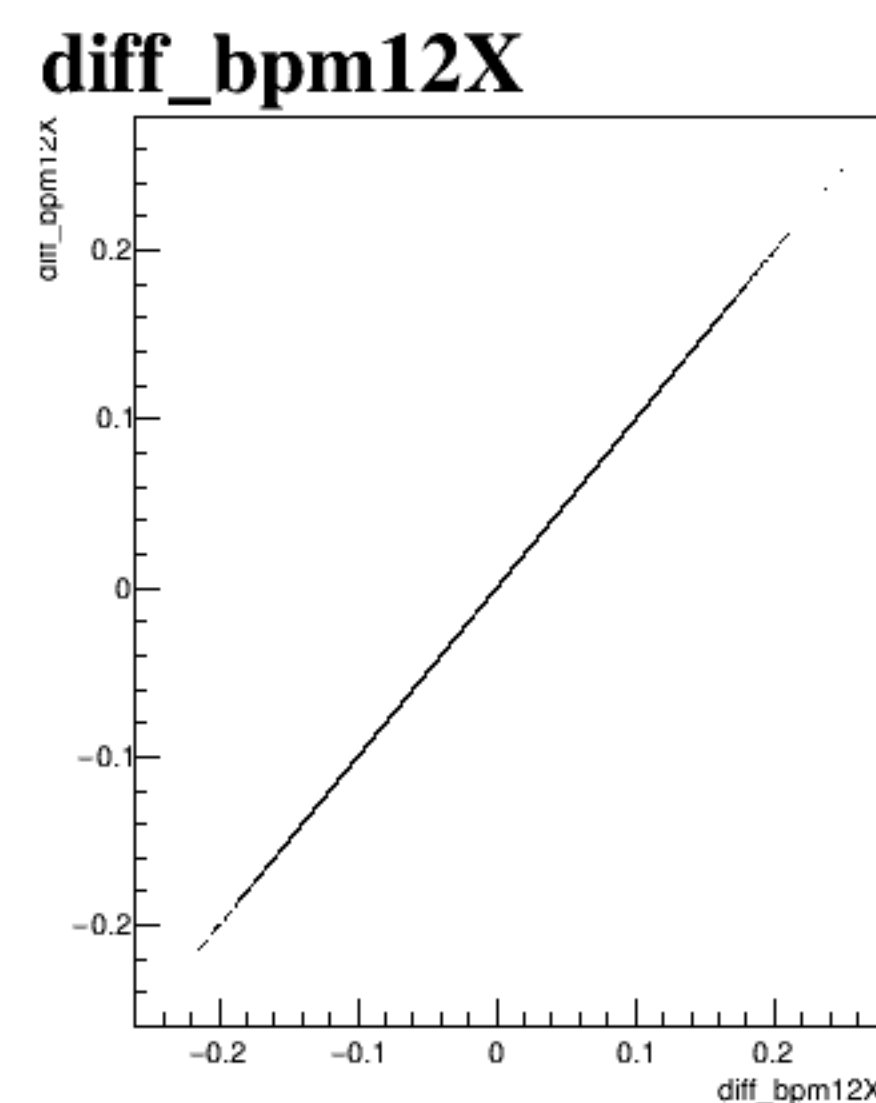
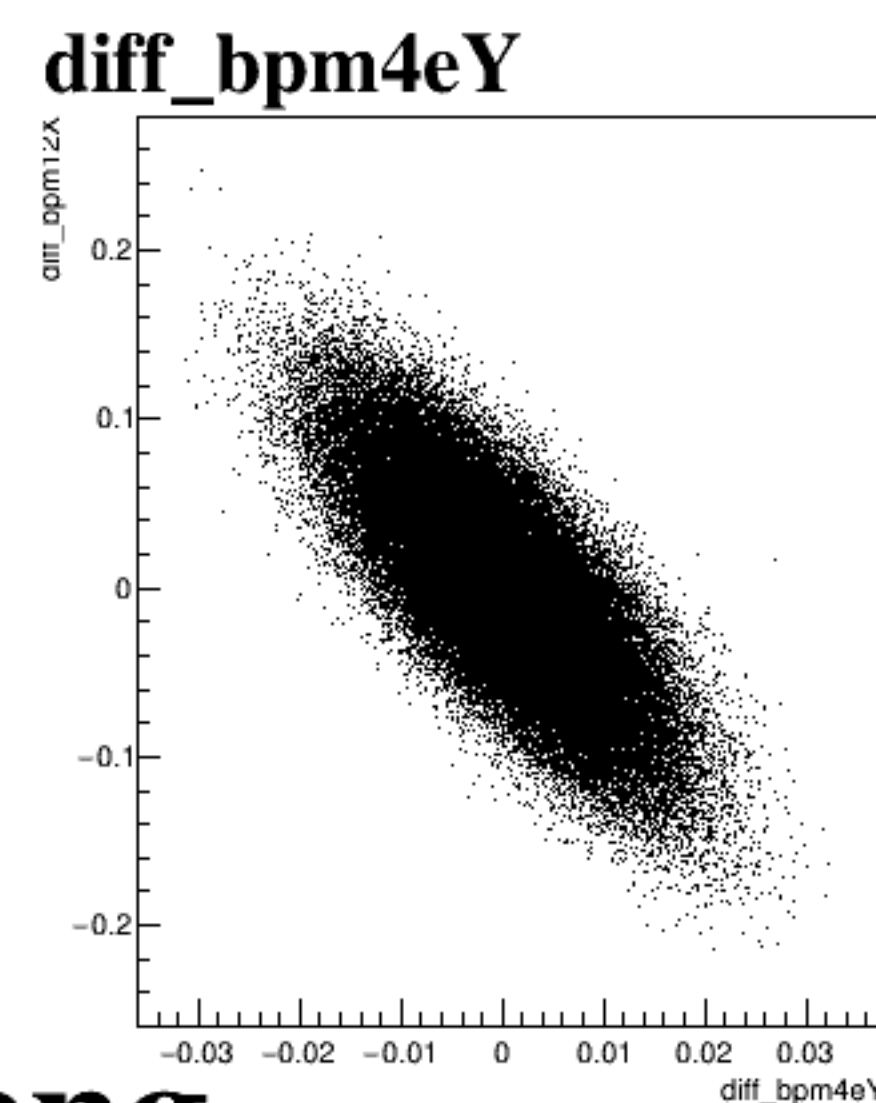
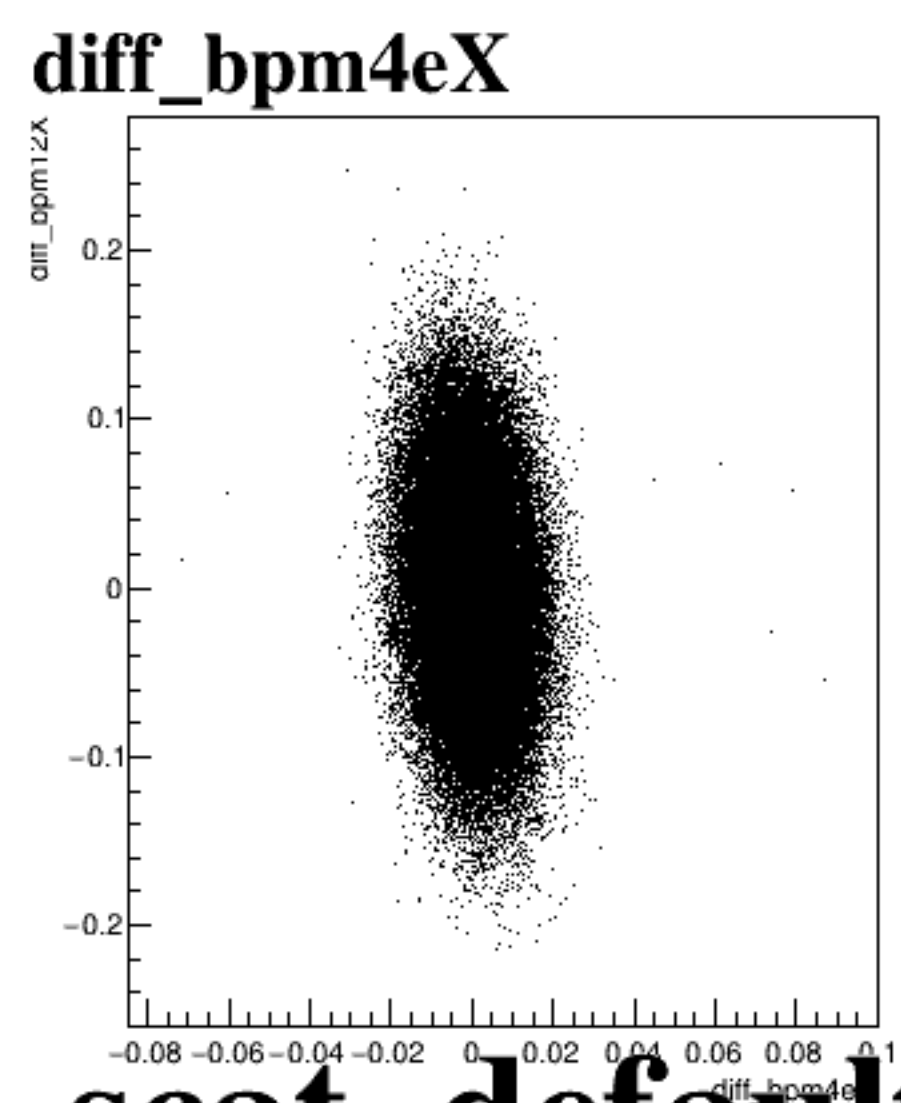
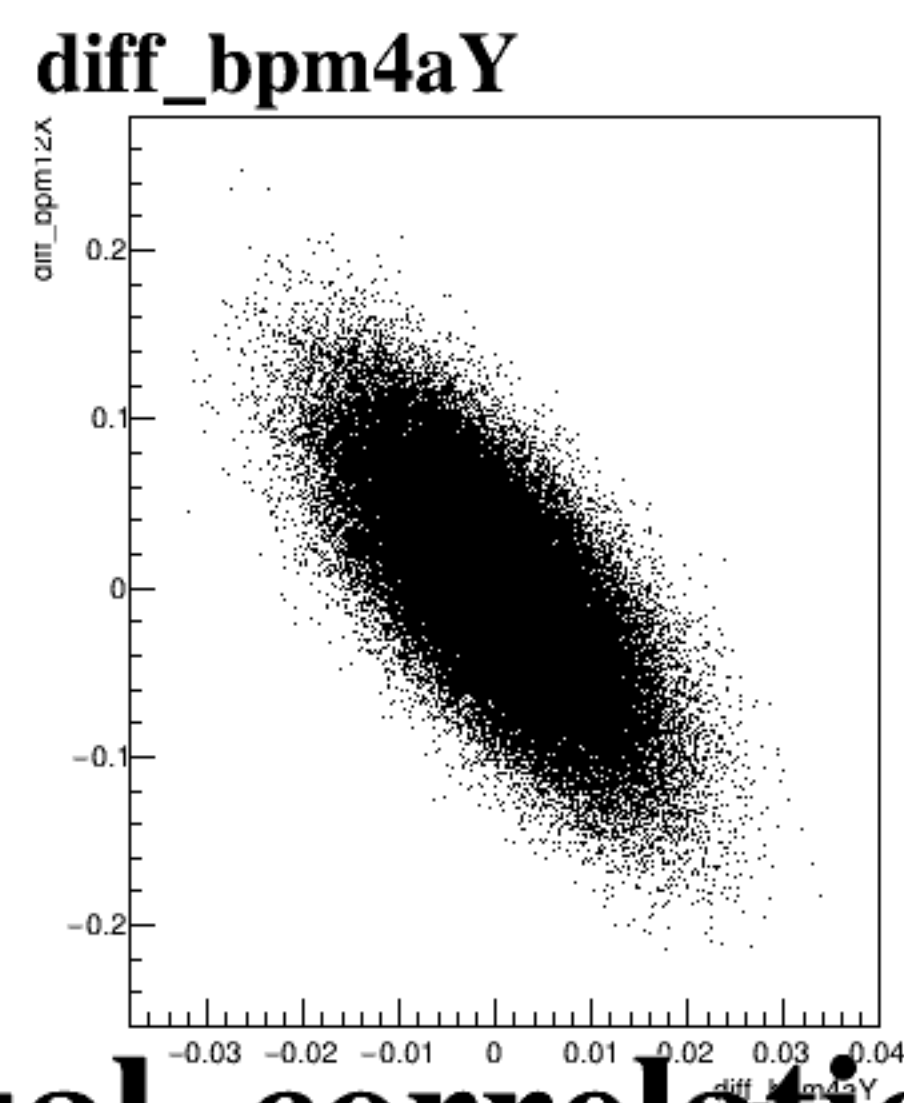
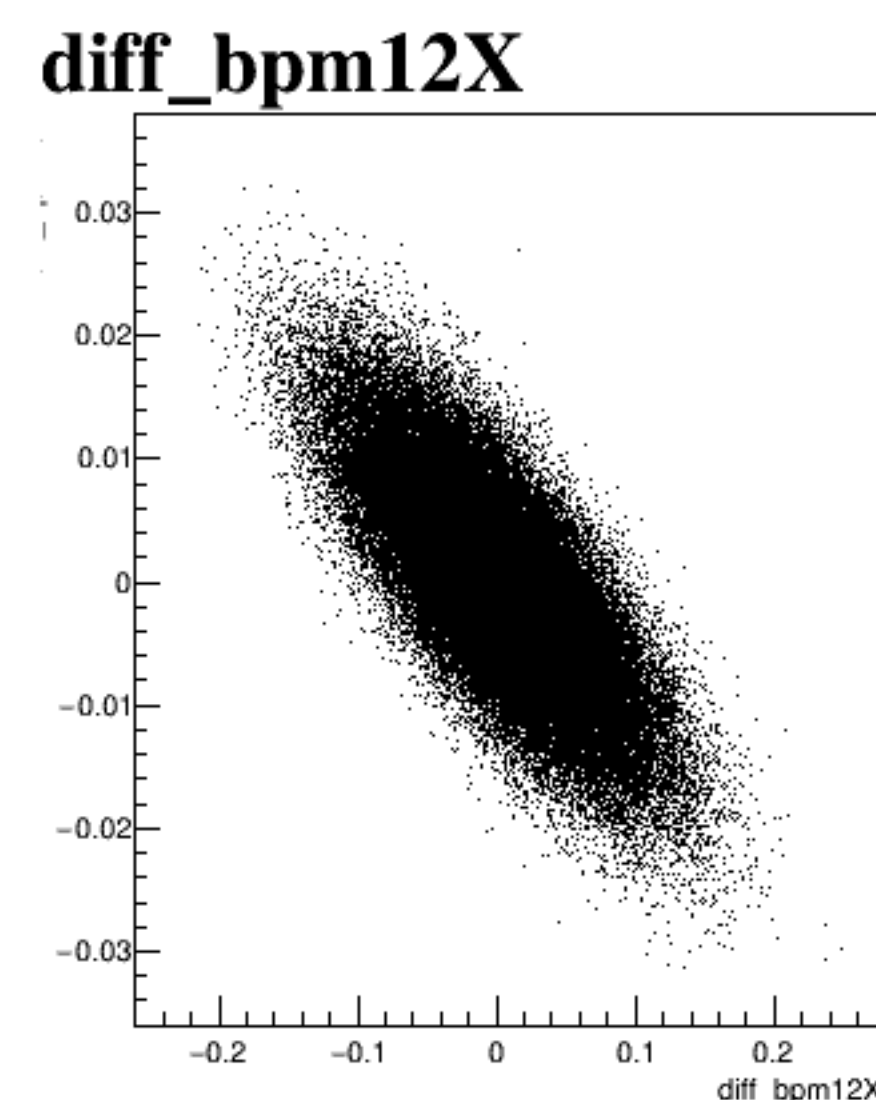
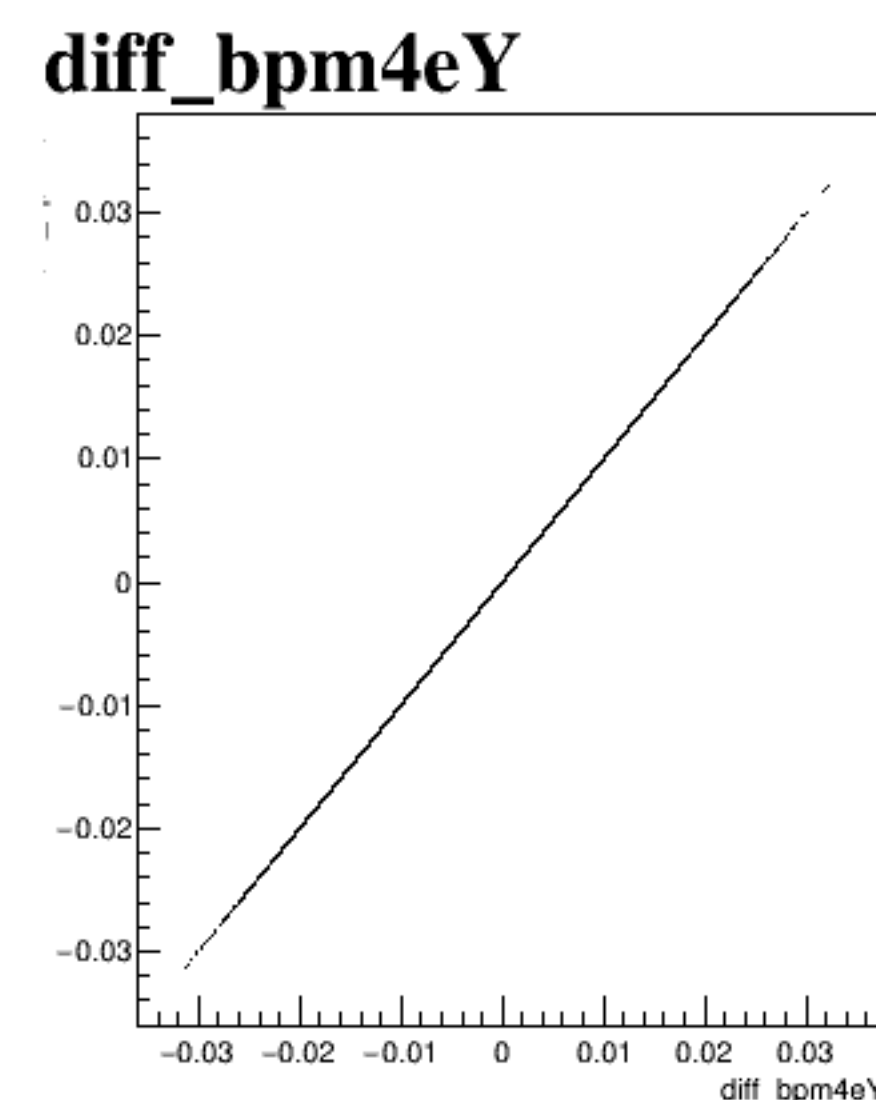
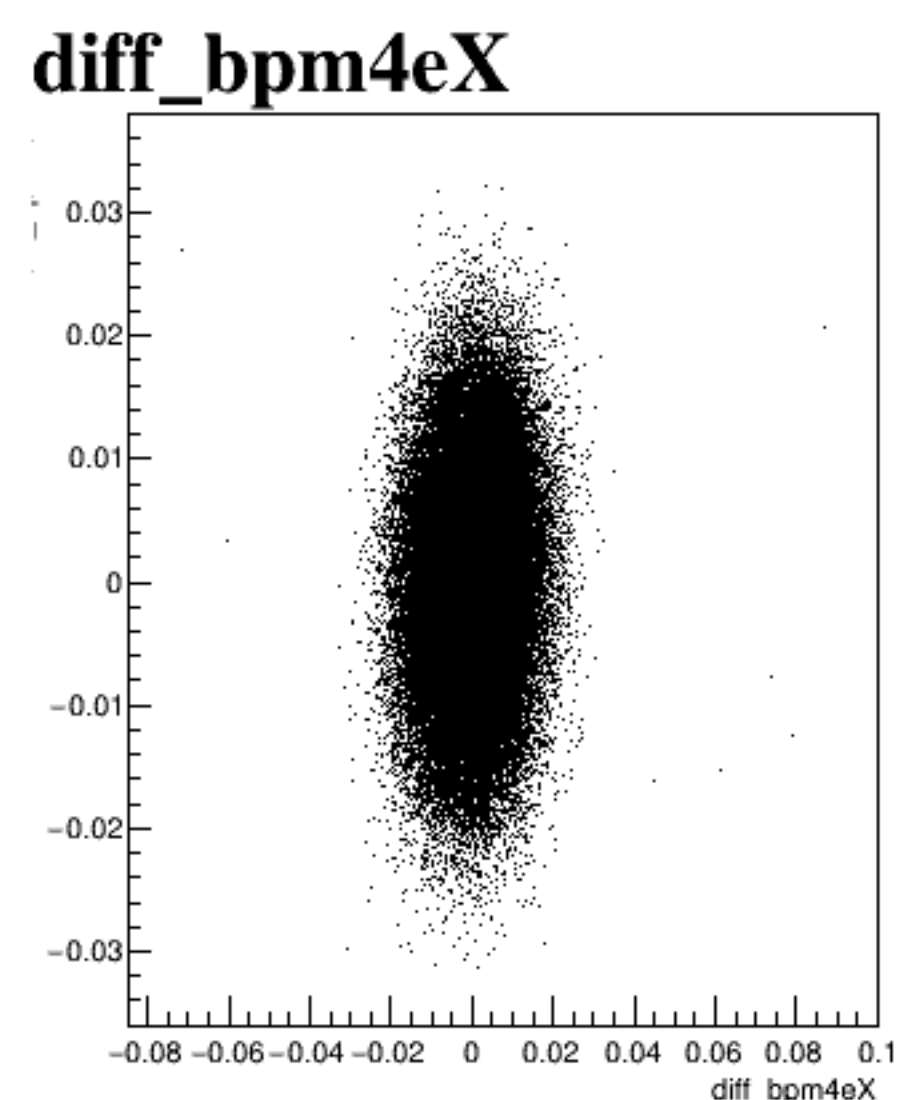
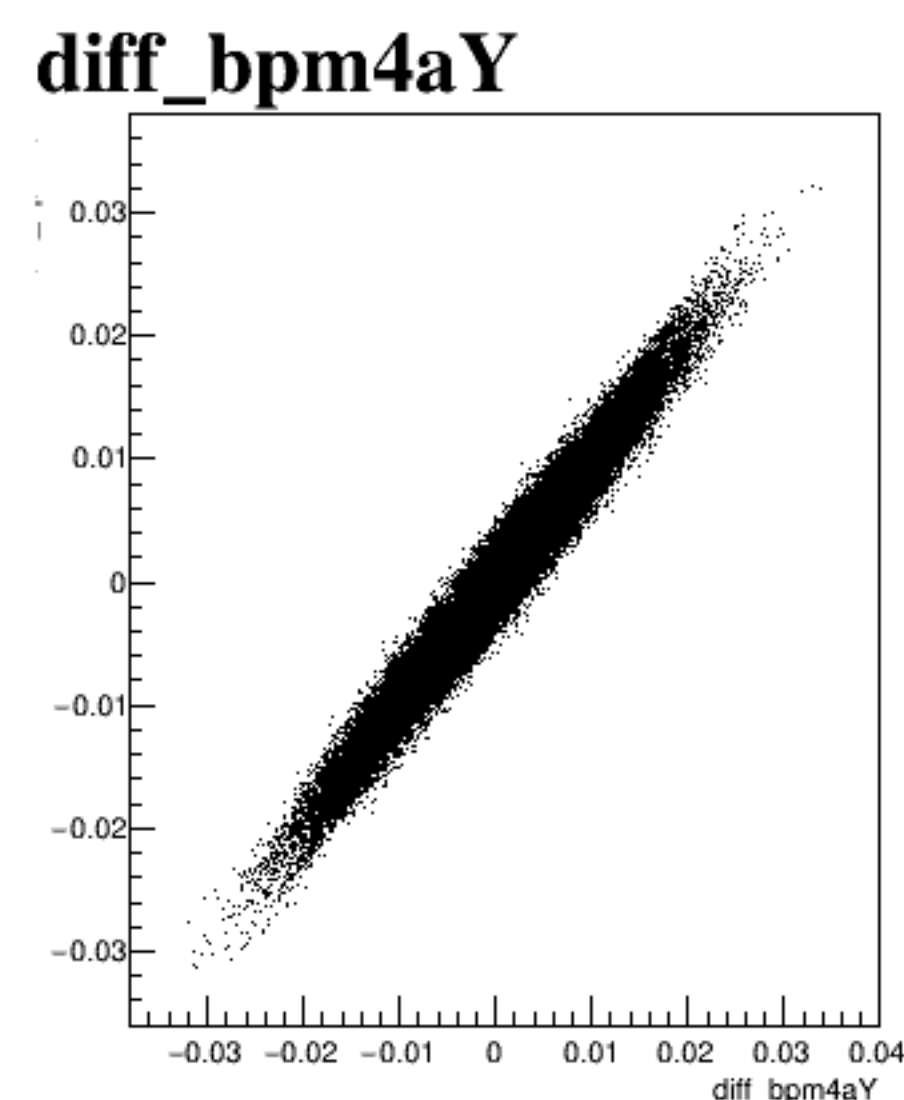
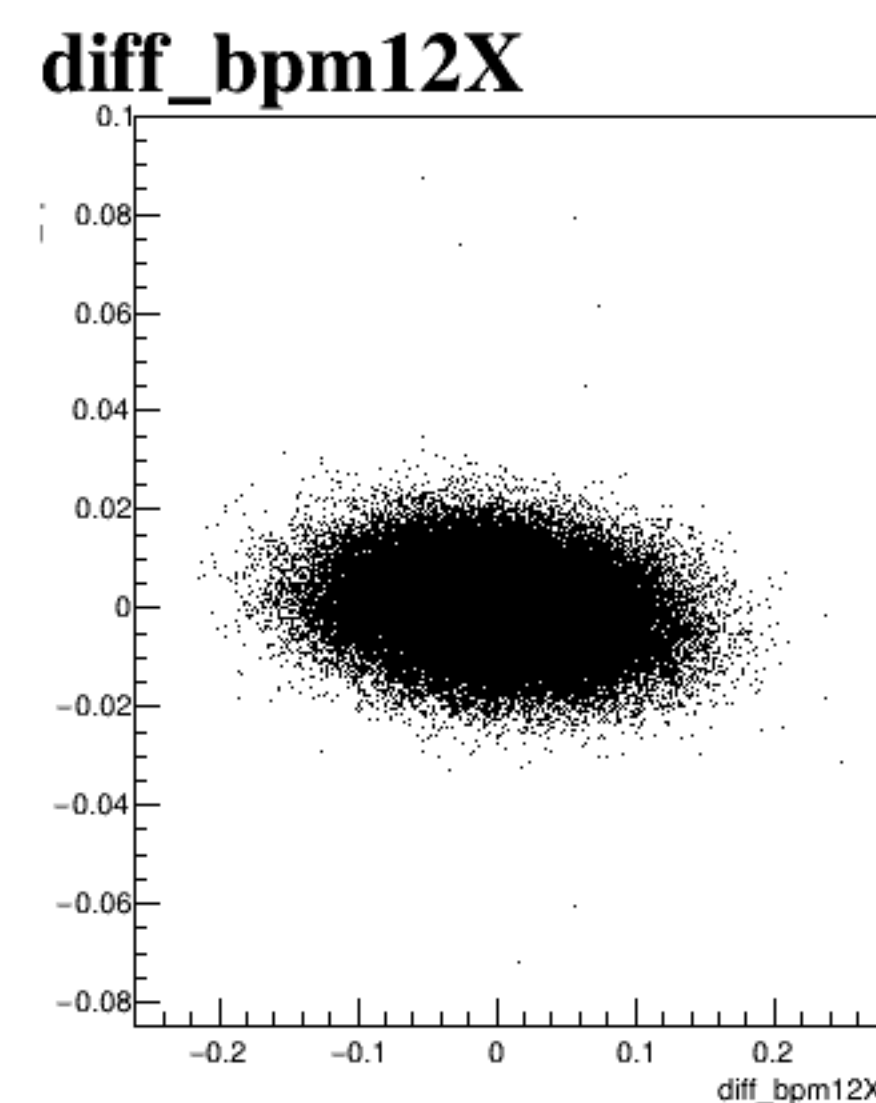
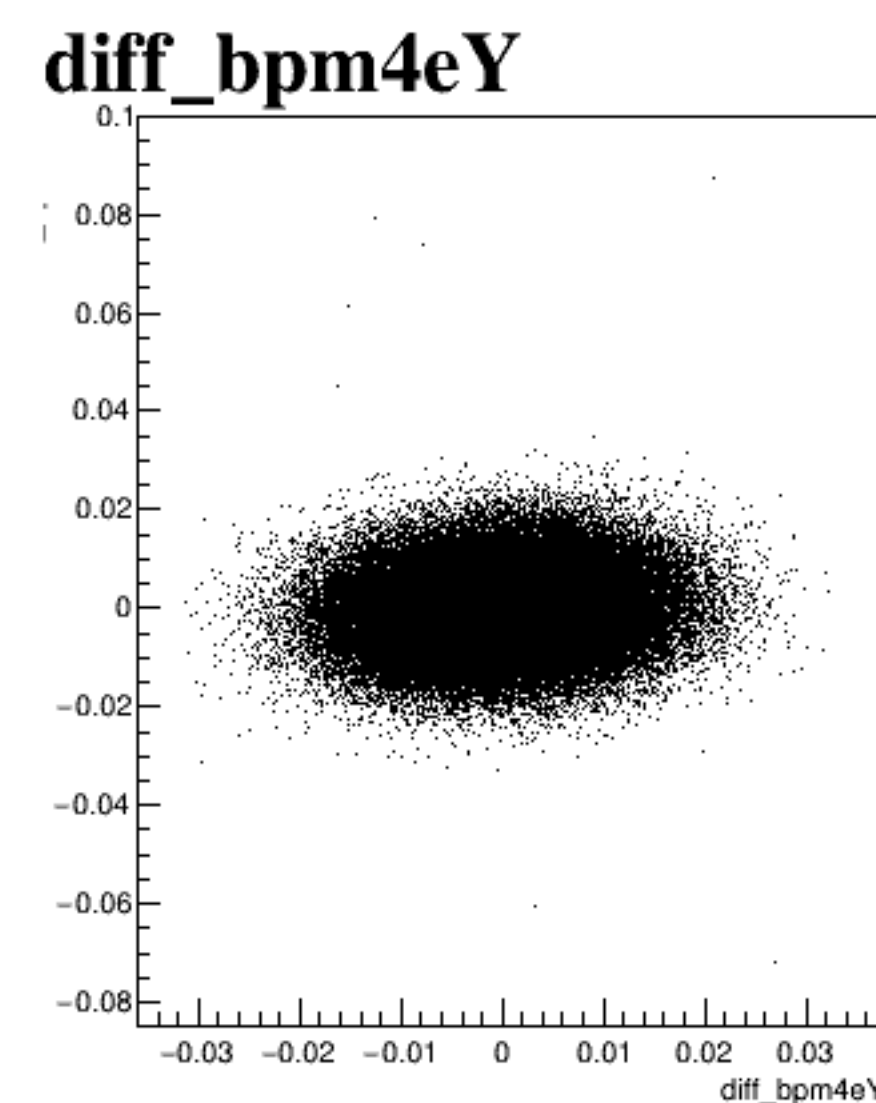
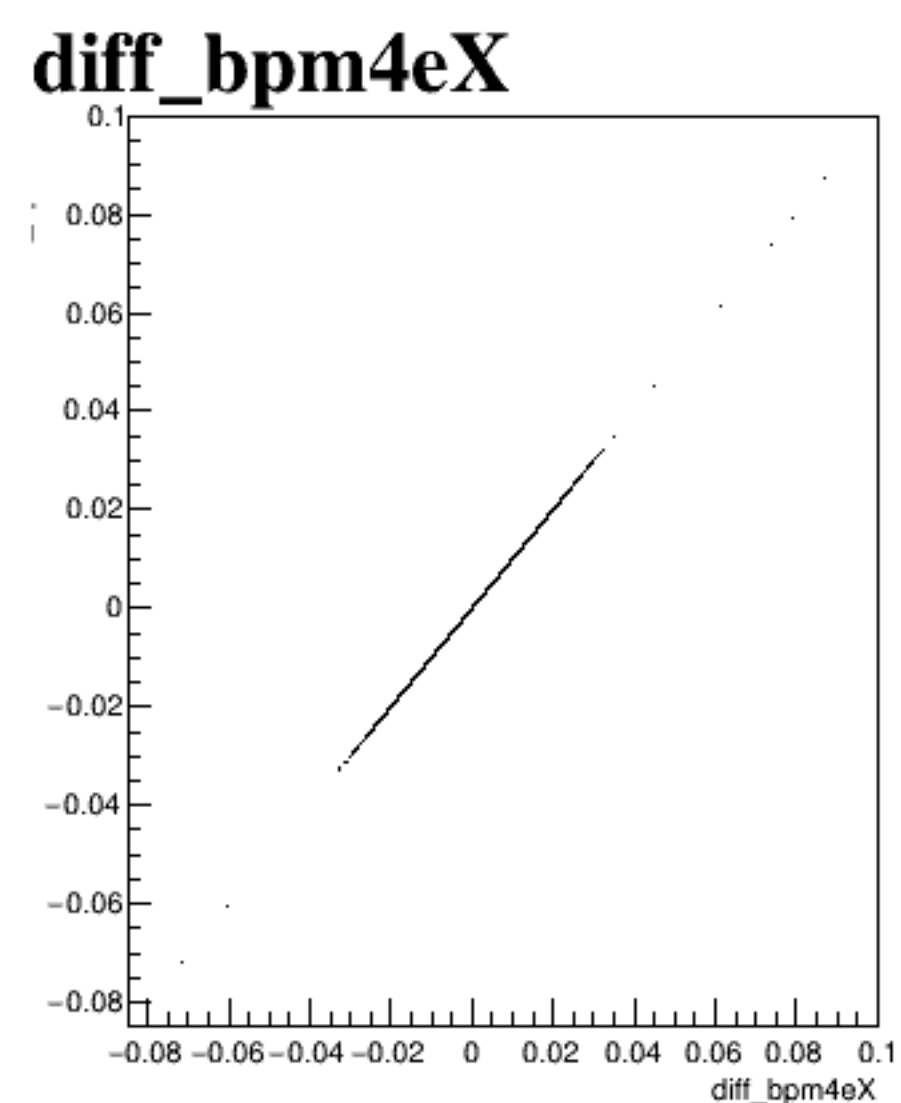
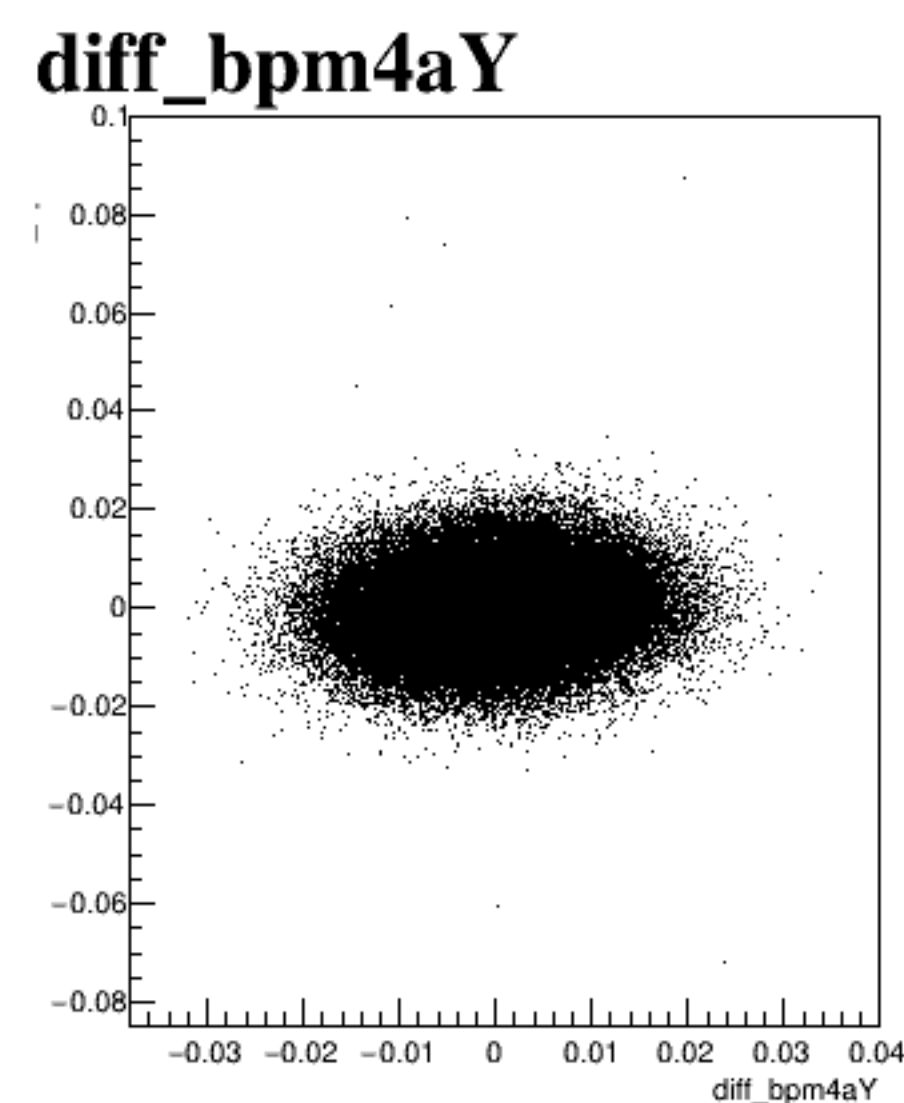
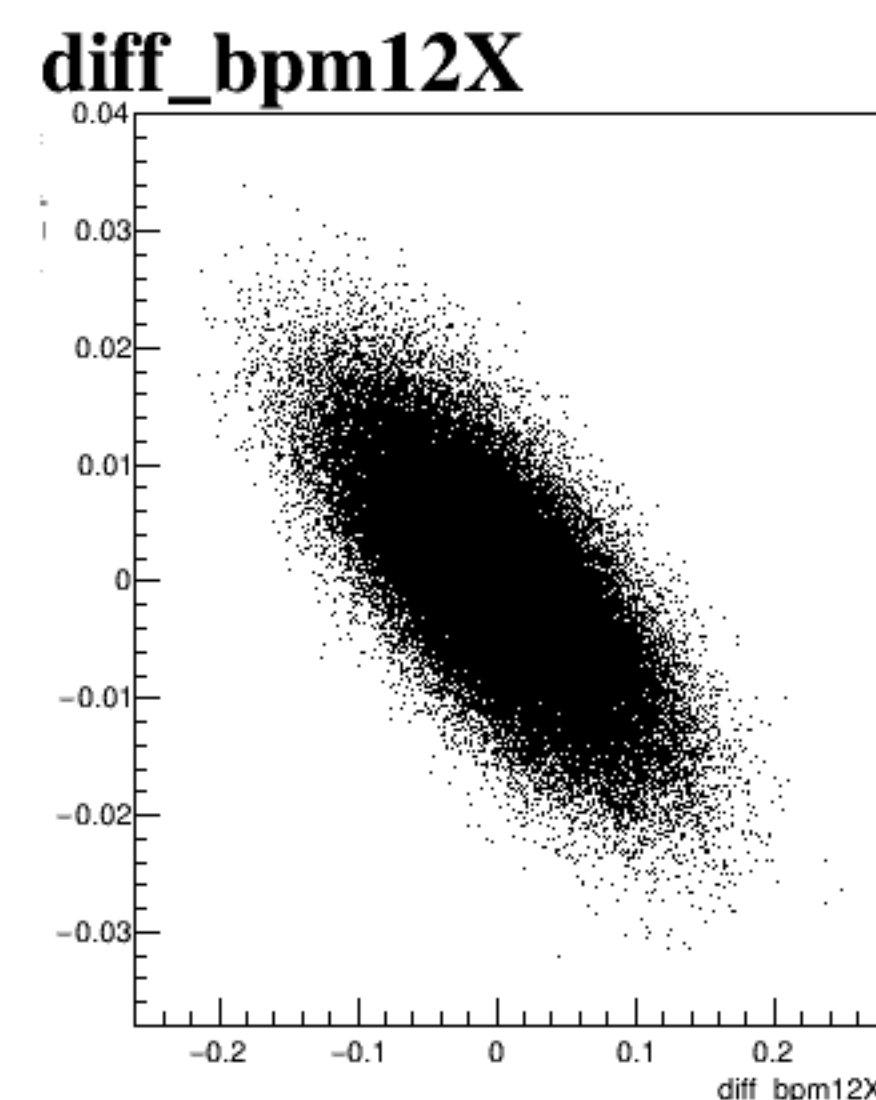
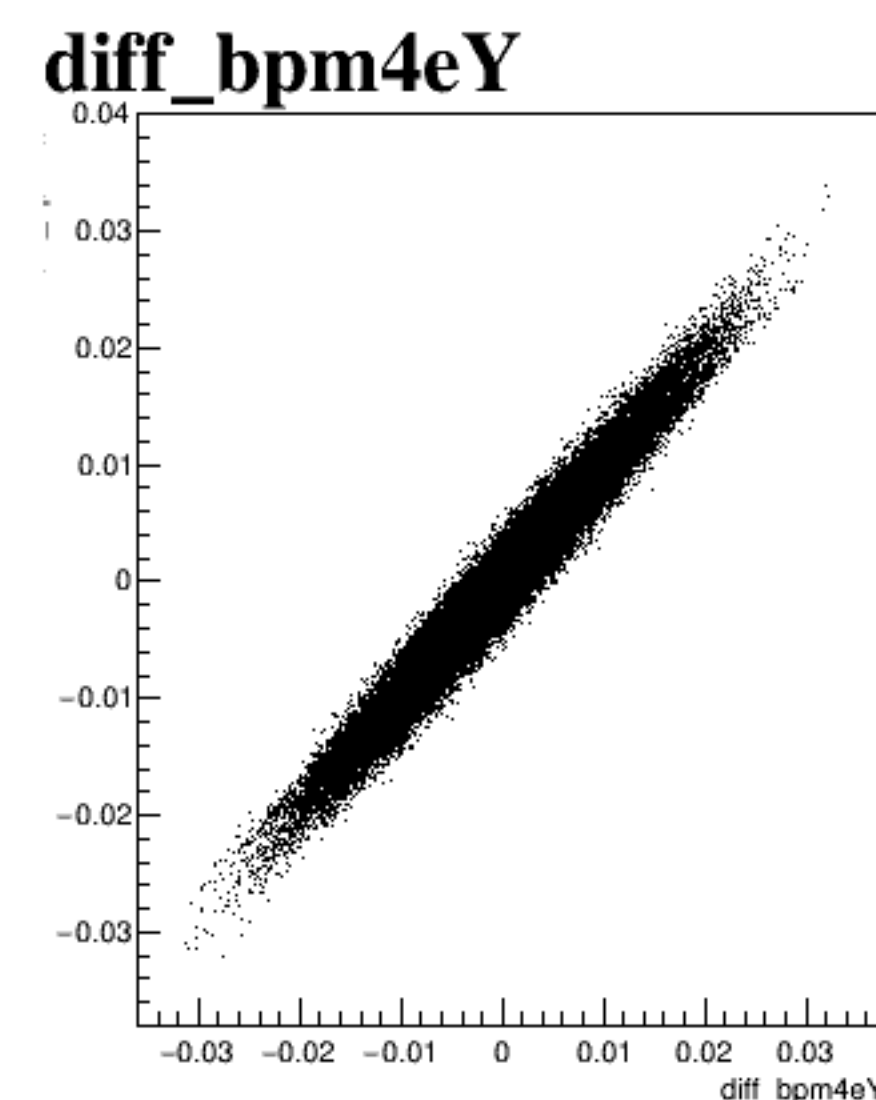
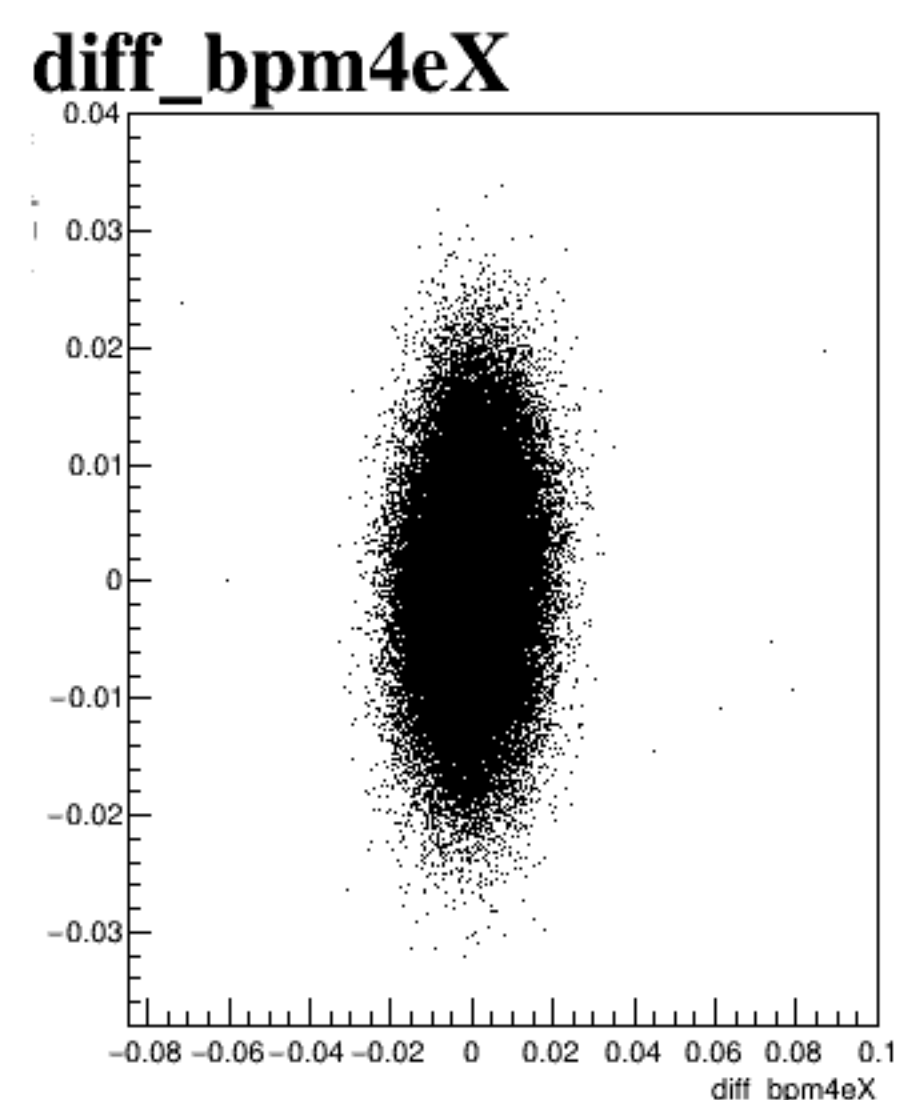
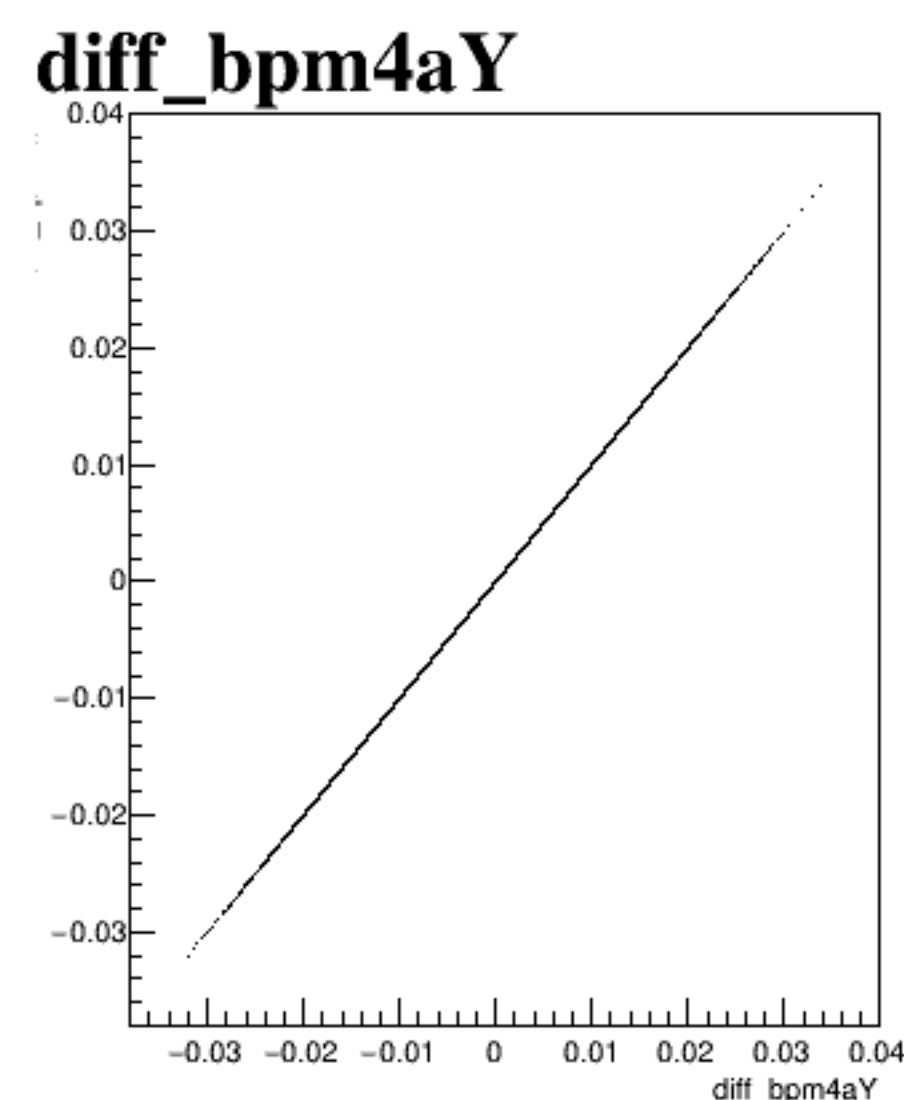
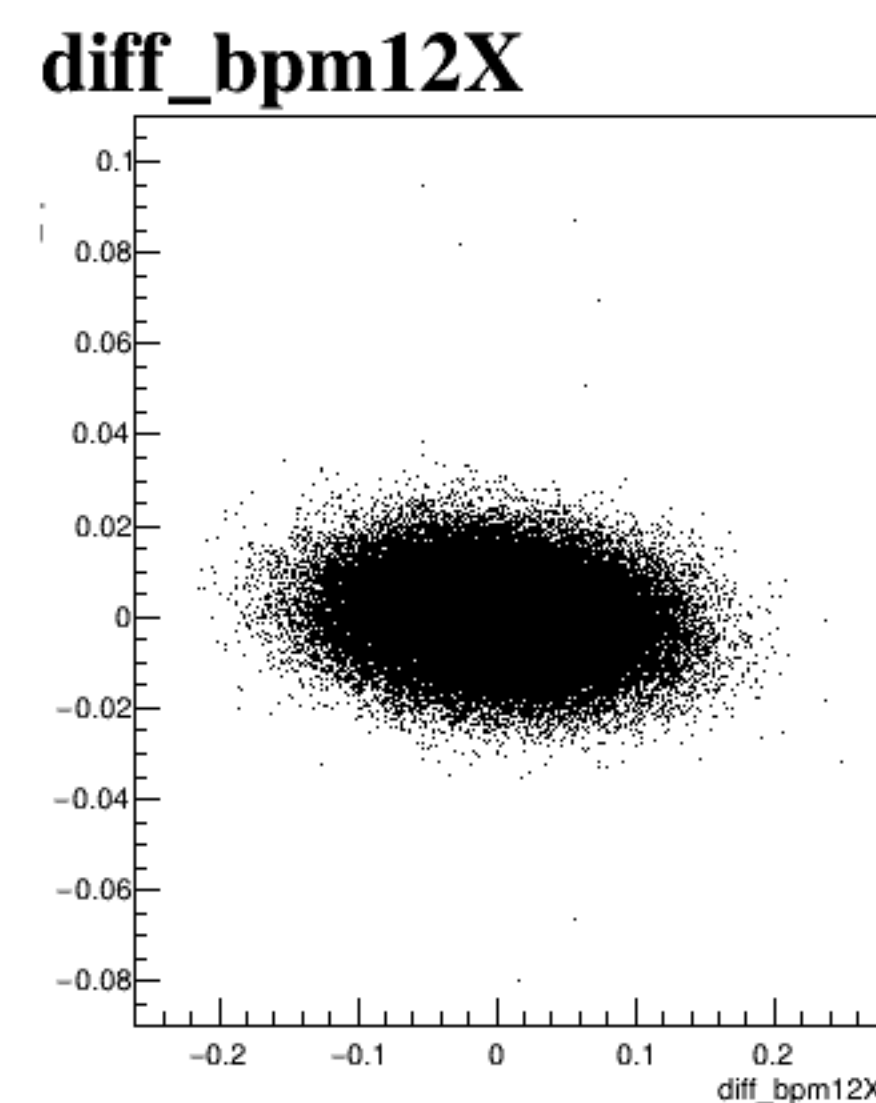
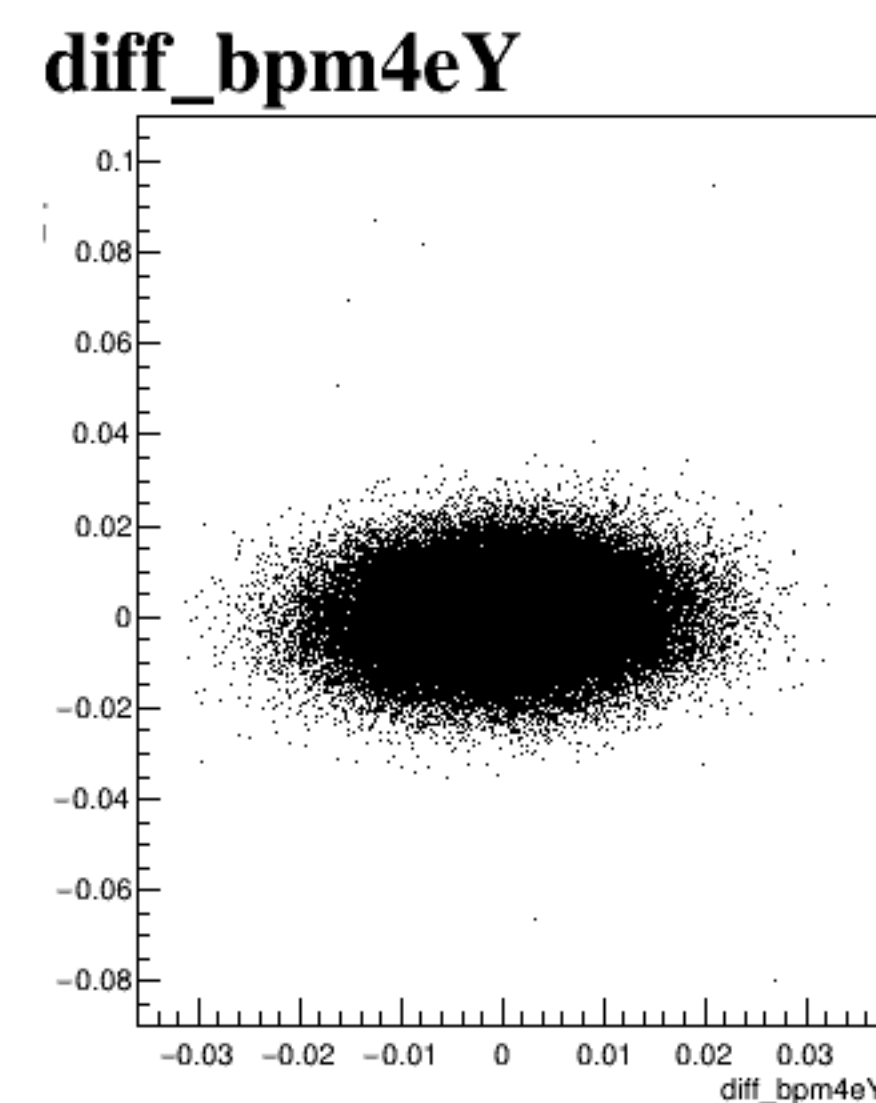
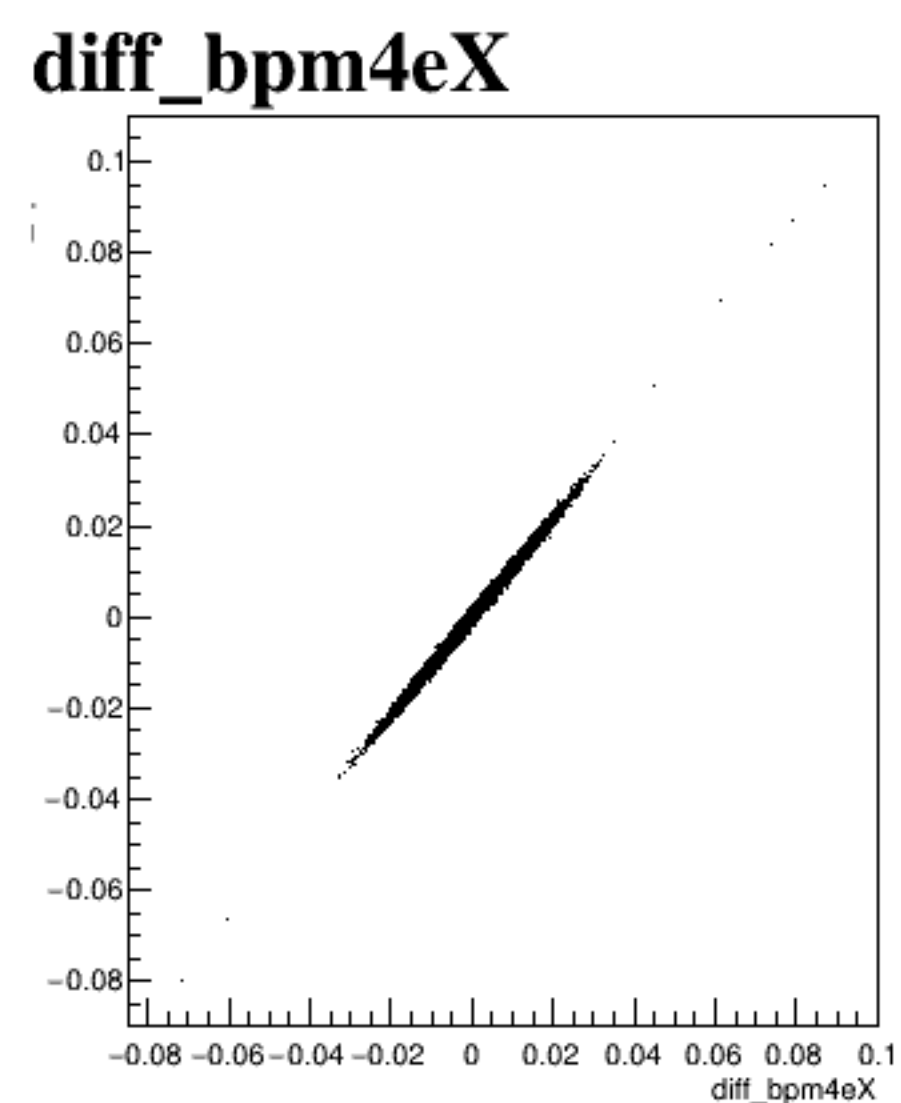
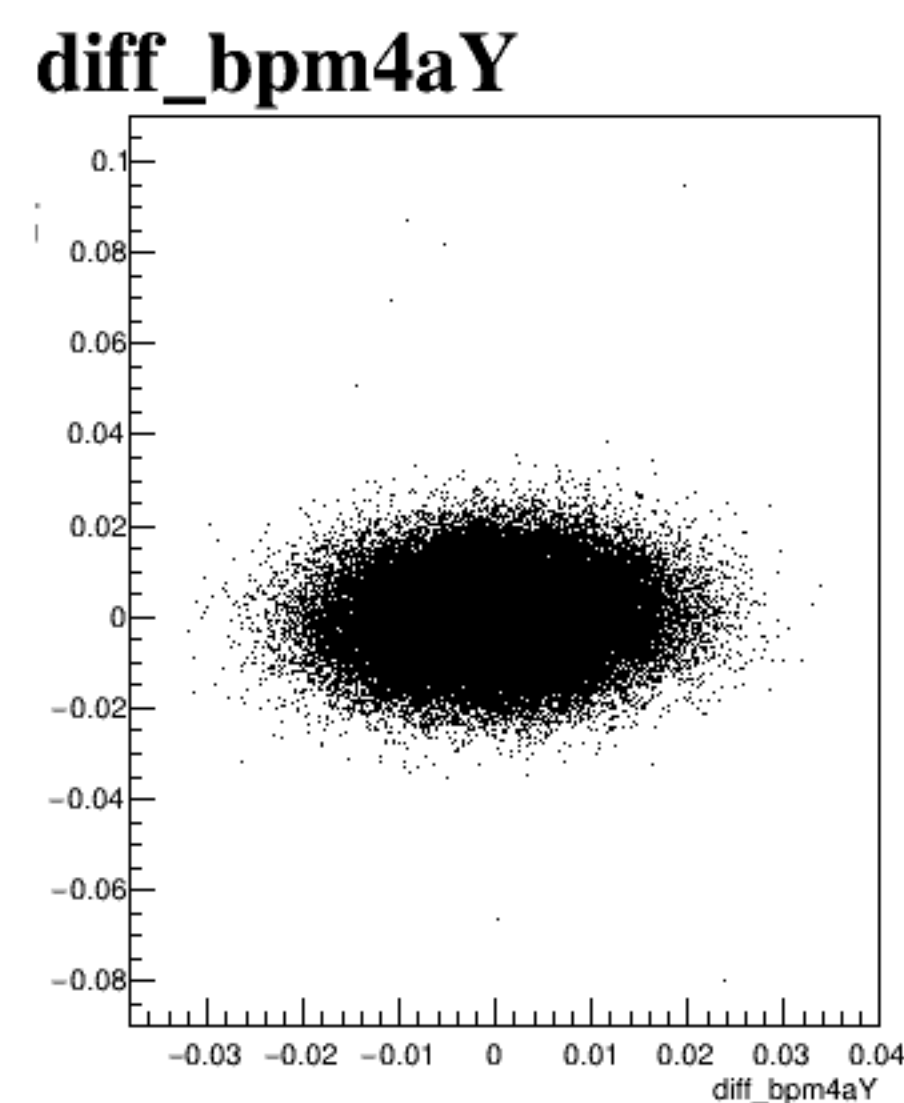


diff_bpm4eY



diff_bpm12X

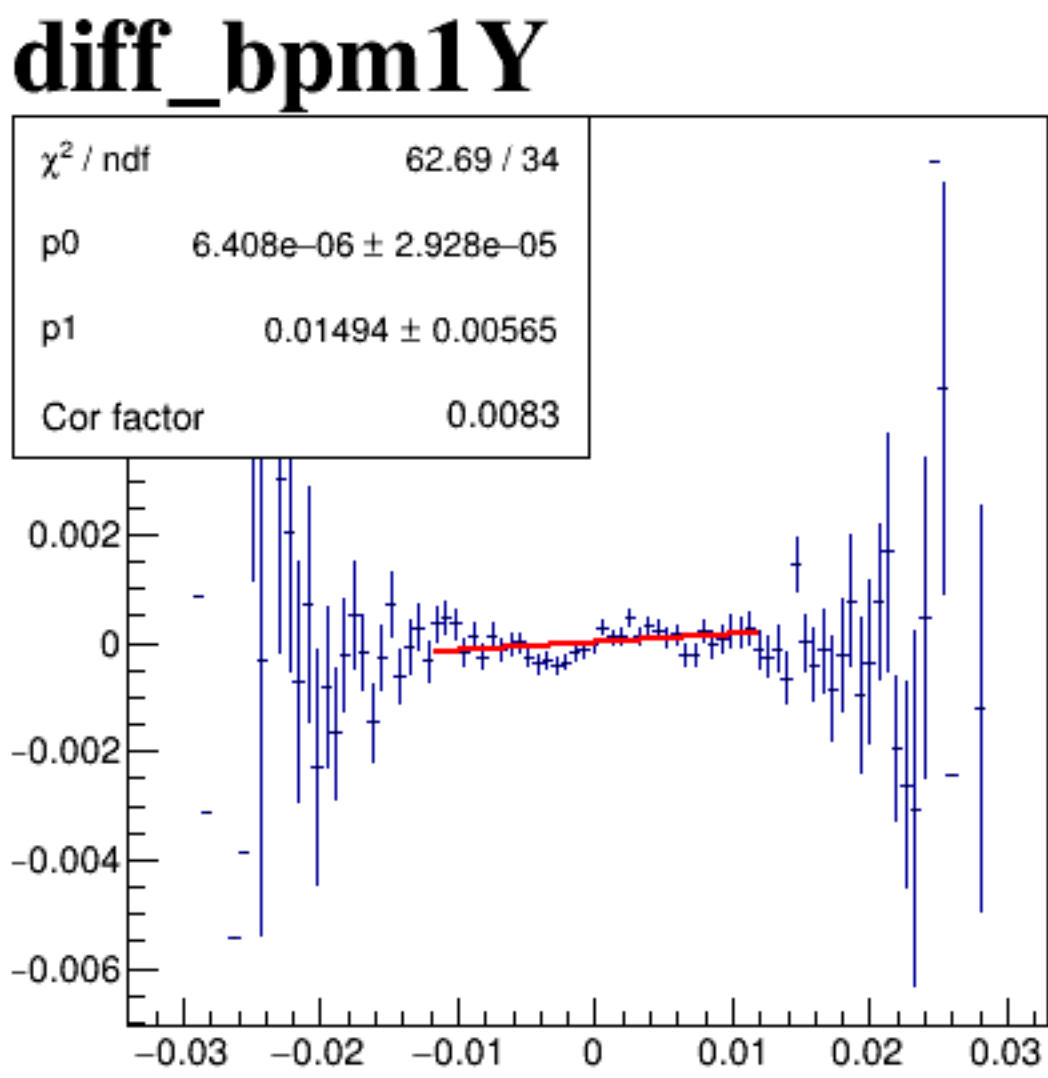
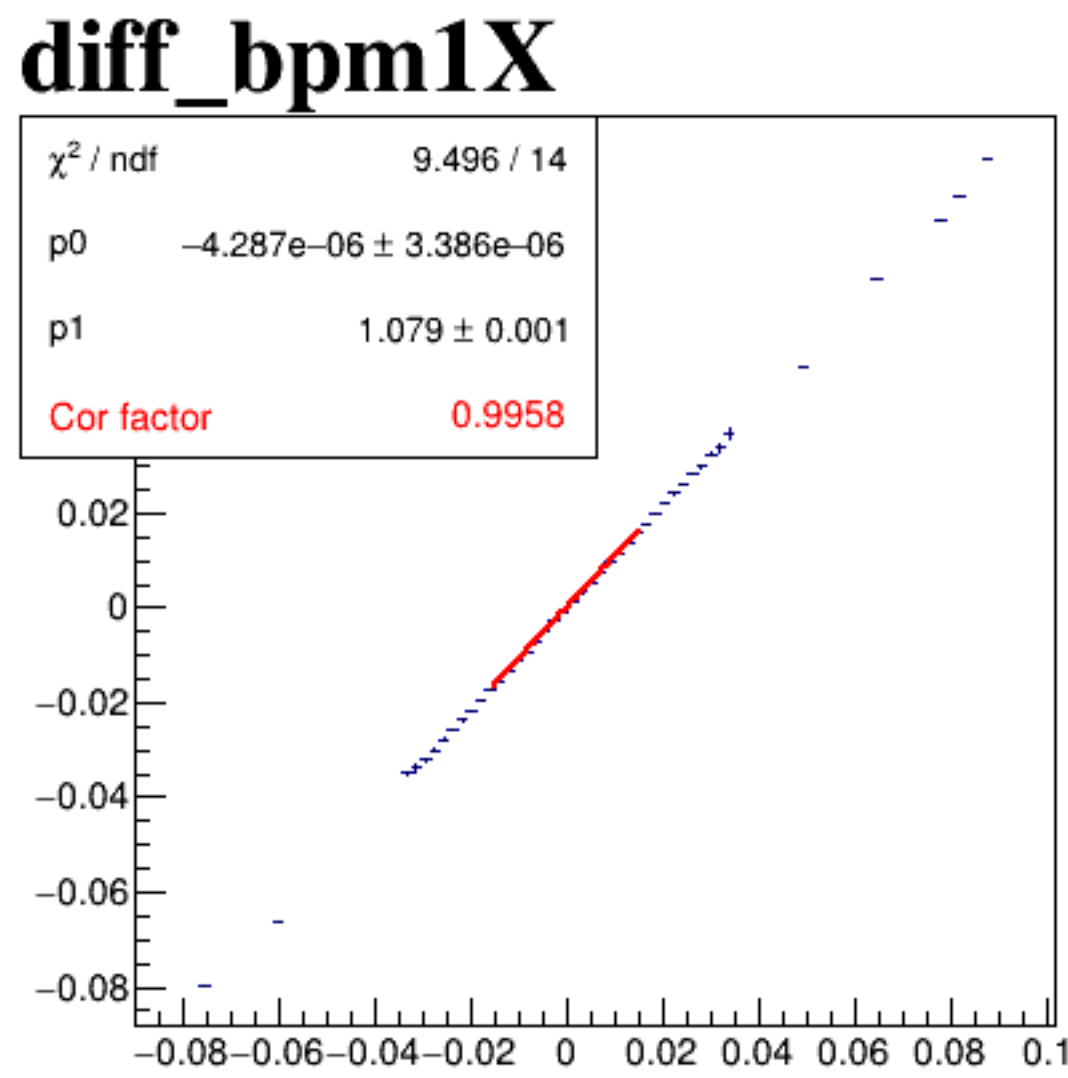
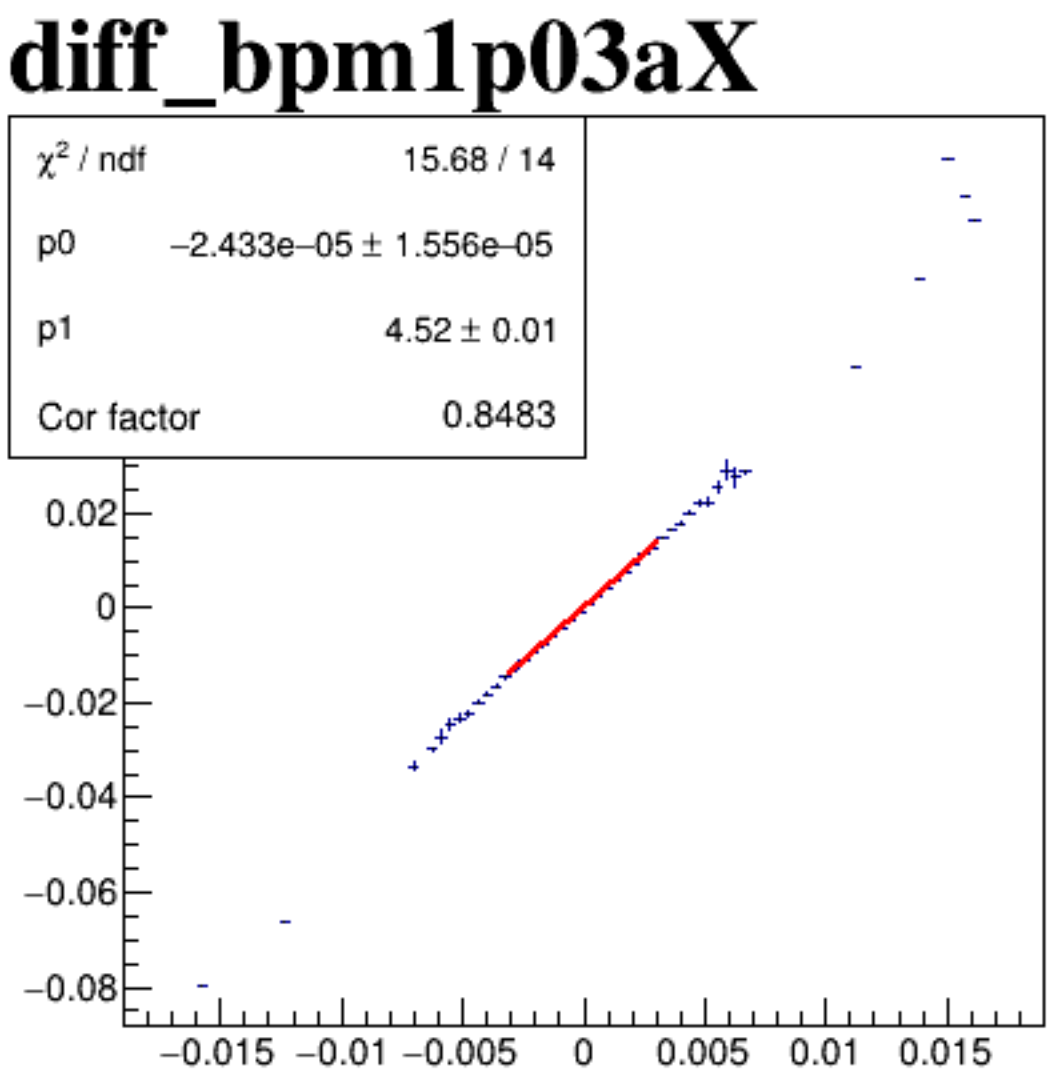
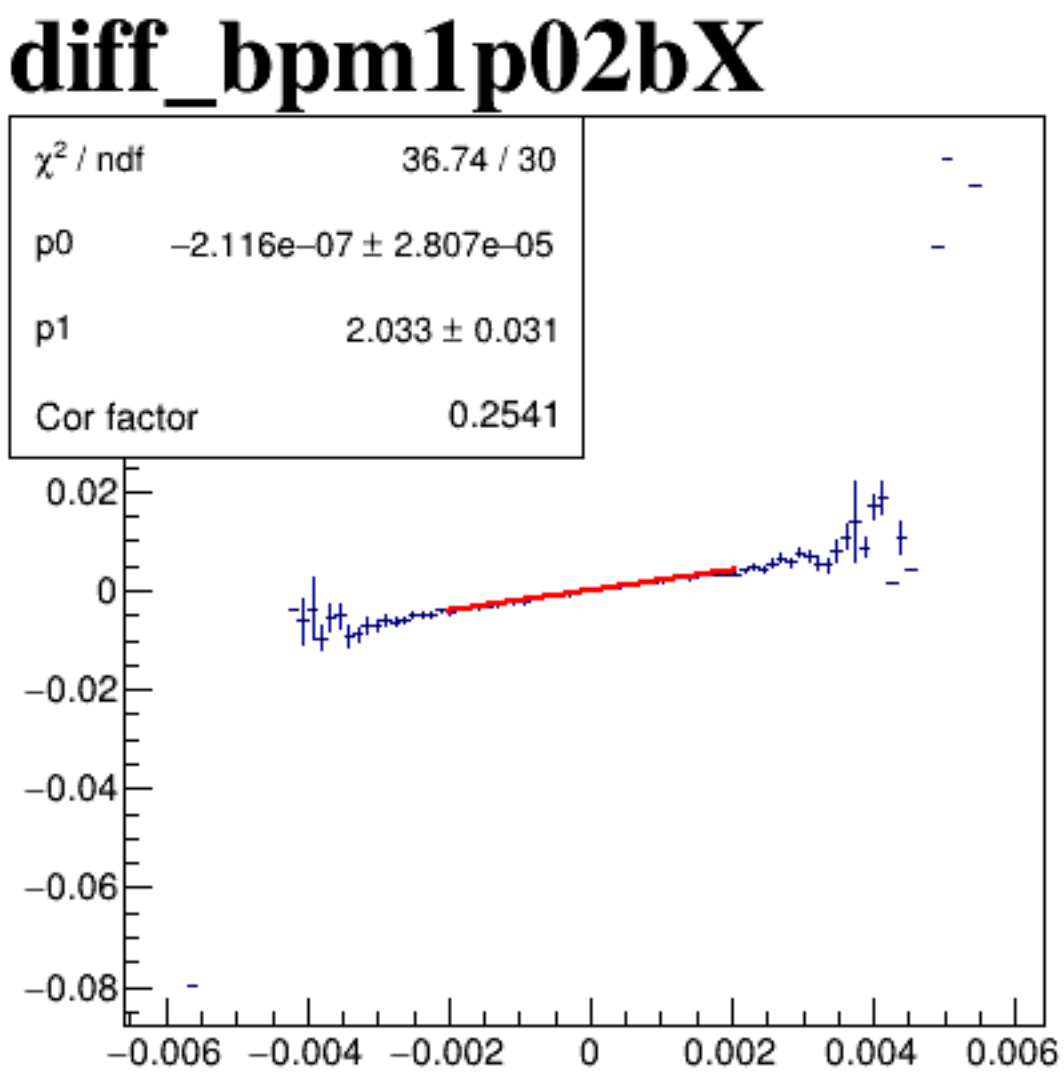




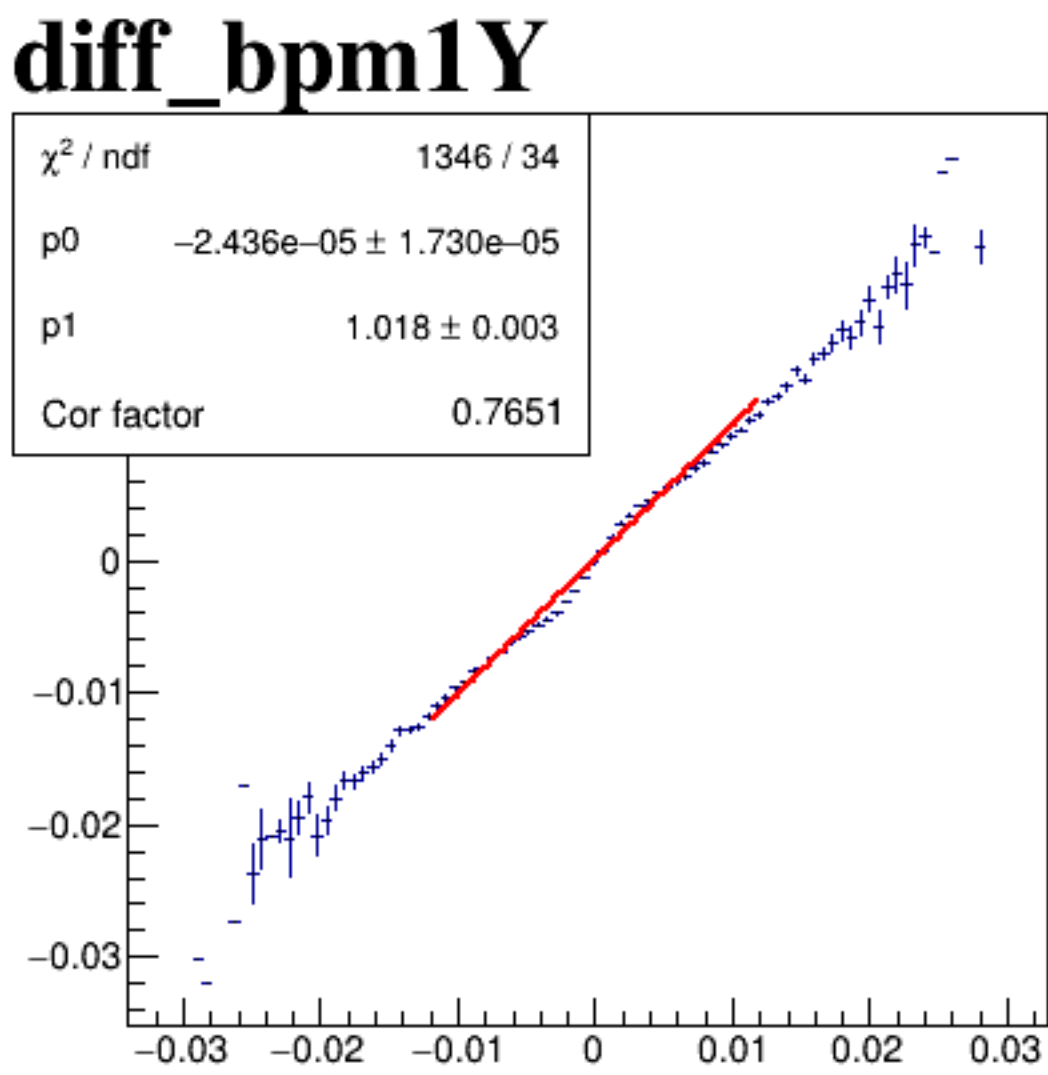
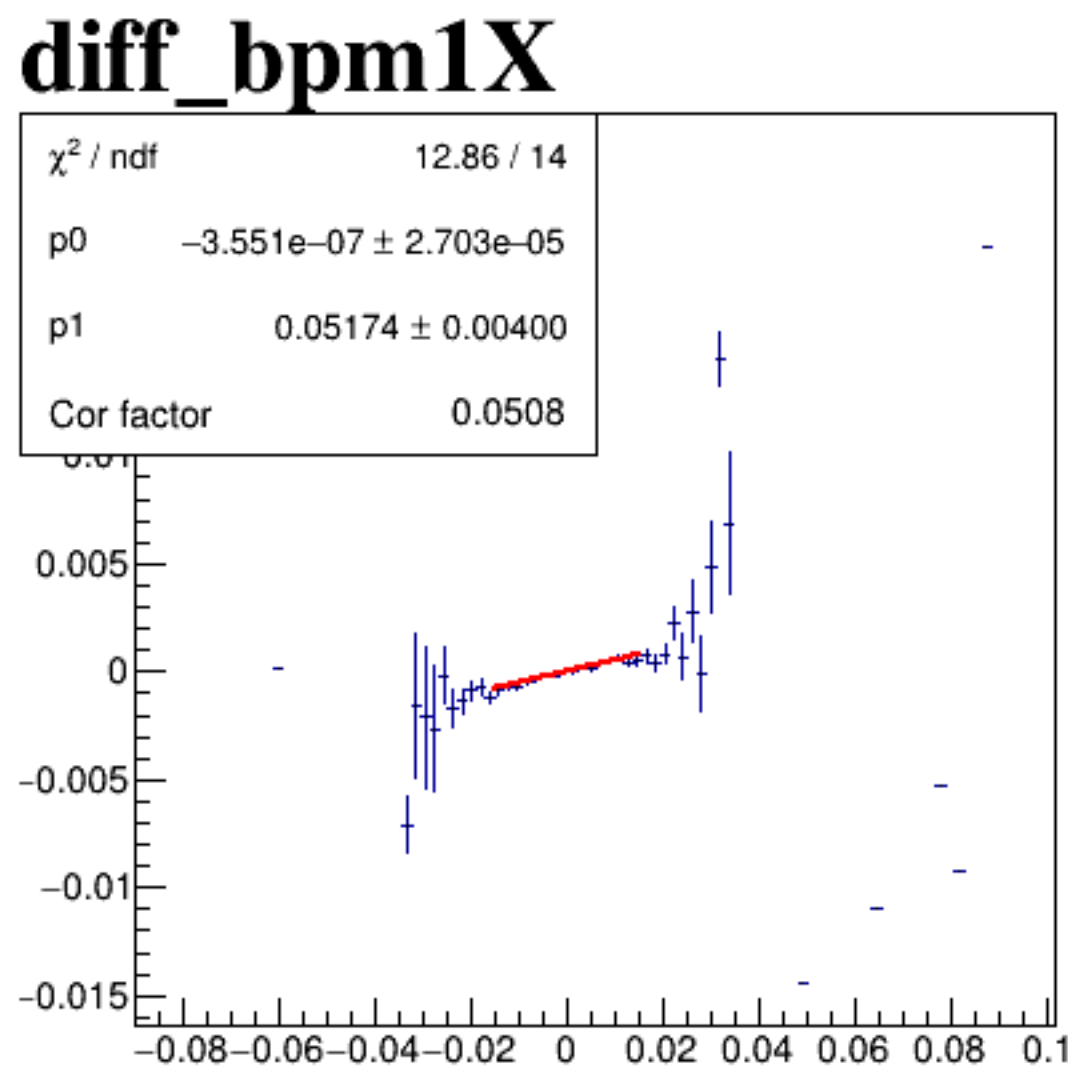
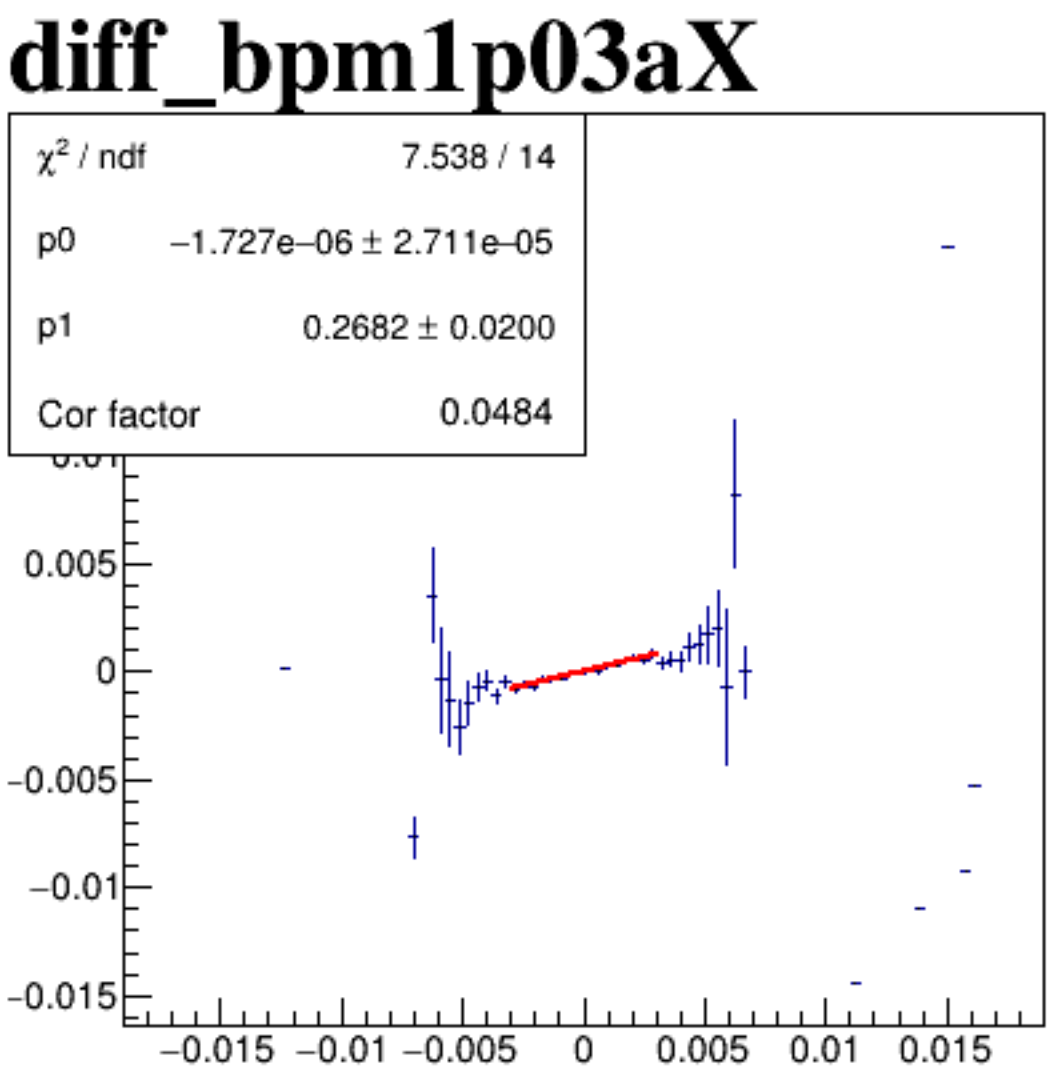
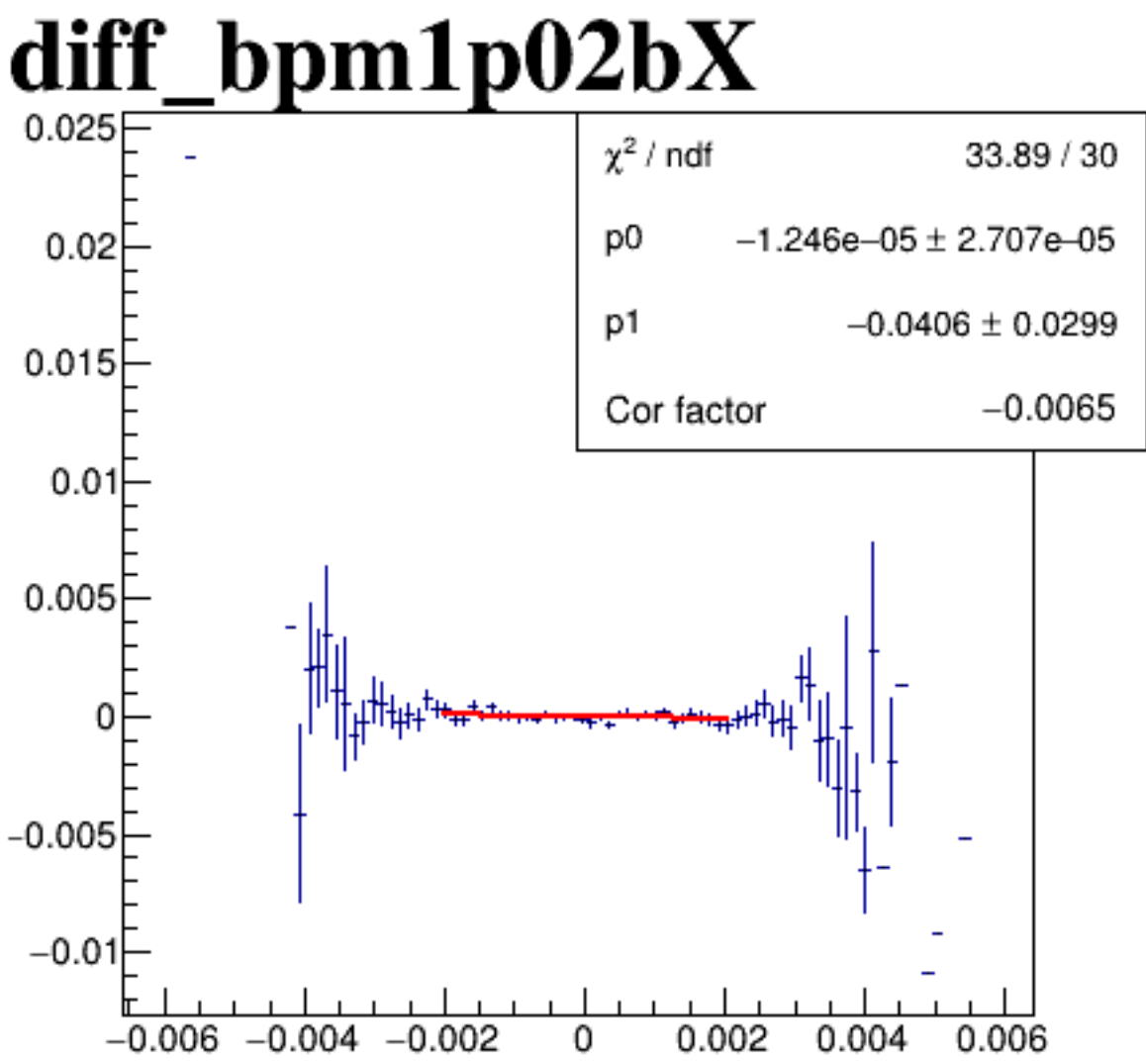
run7319_000_diff_bpm_mutual_correlation_scatter_default.png

run7319_000_diff_bpm_mutual_correlation_COLZ_upstream.png

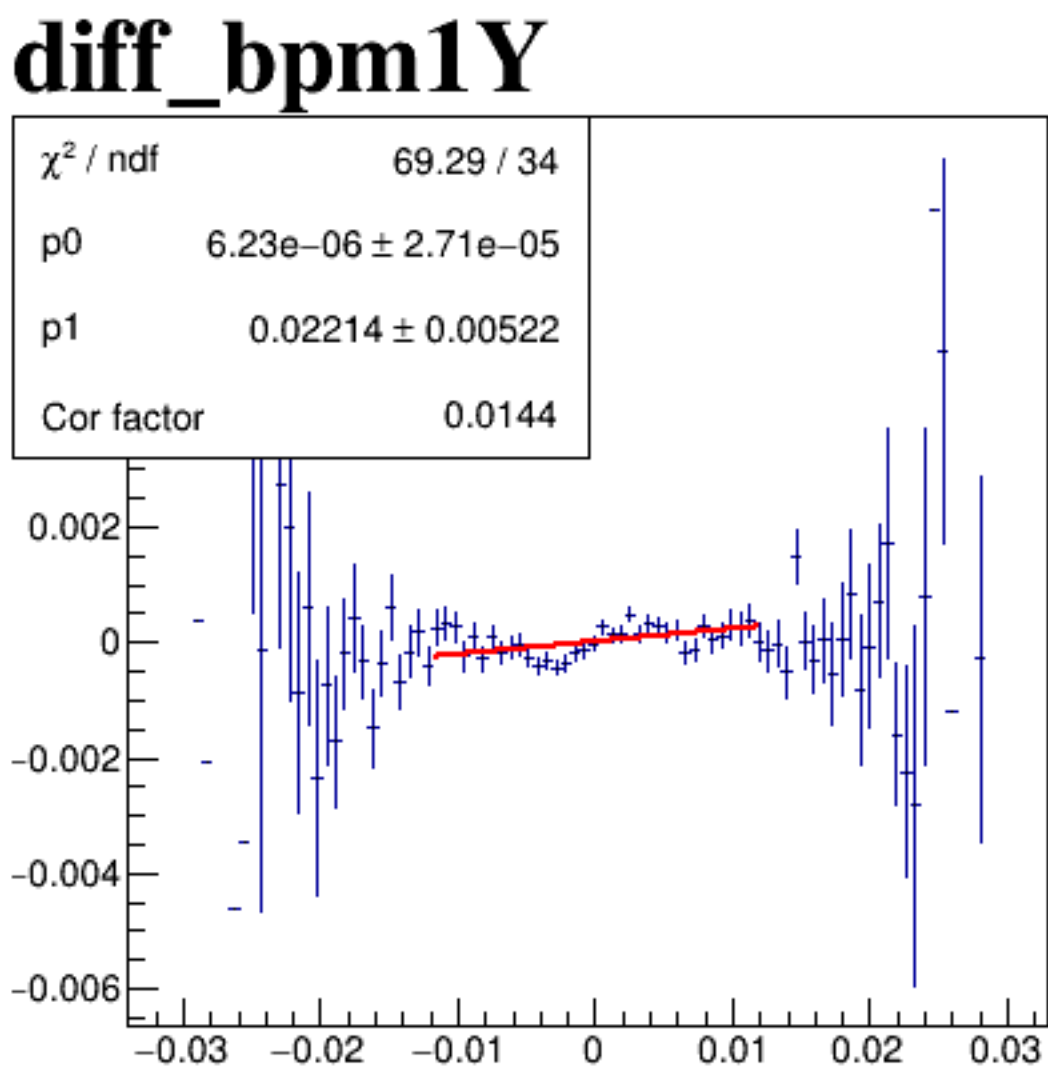
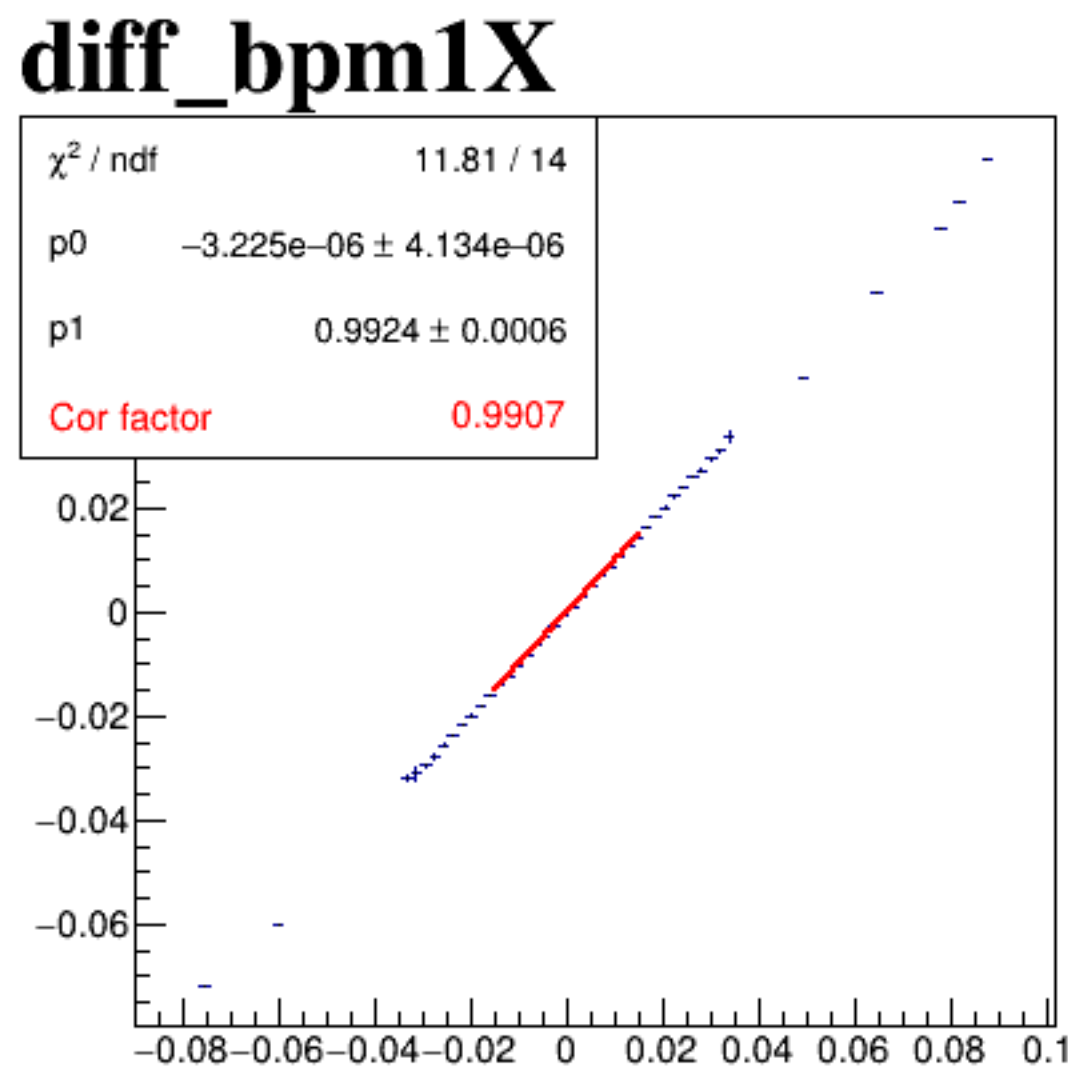
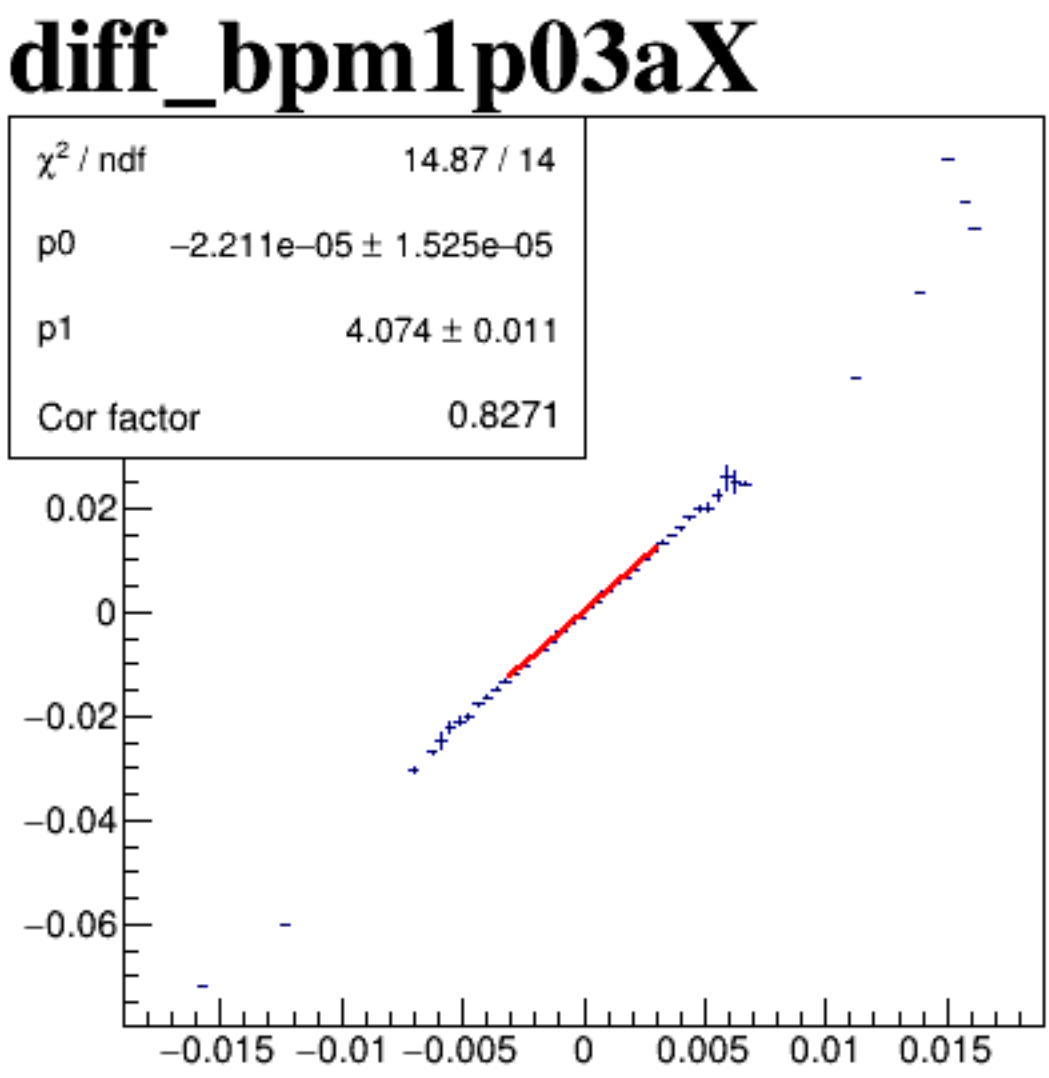
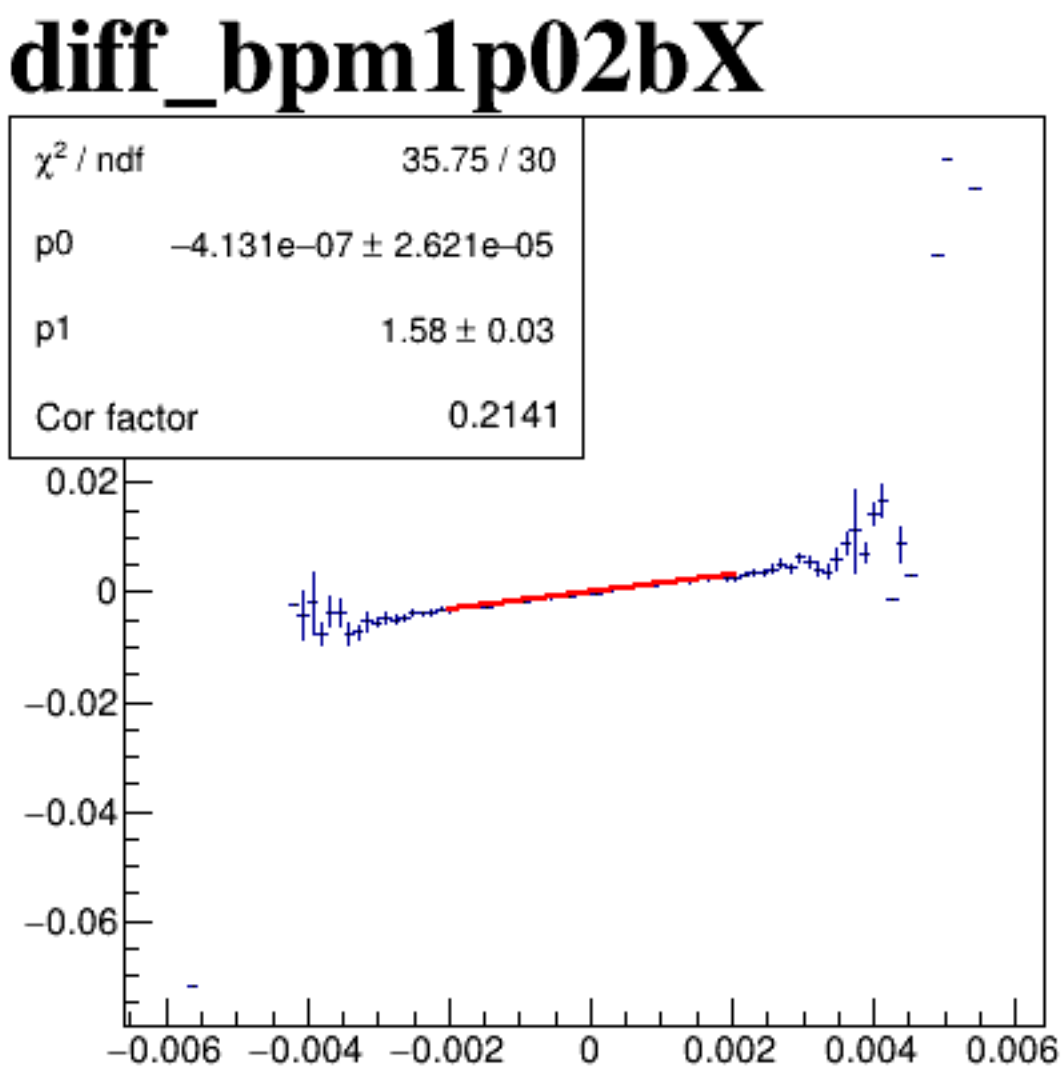
diff_bpm4aX



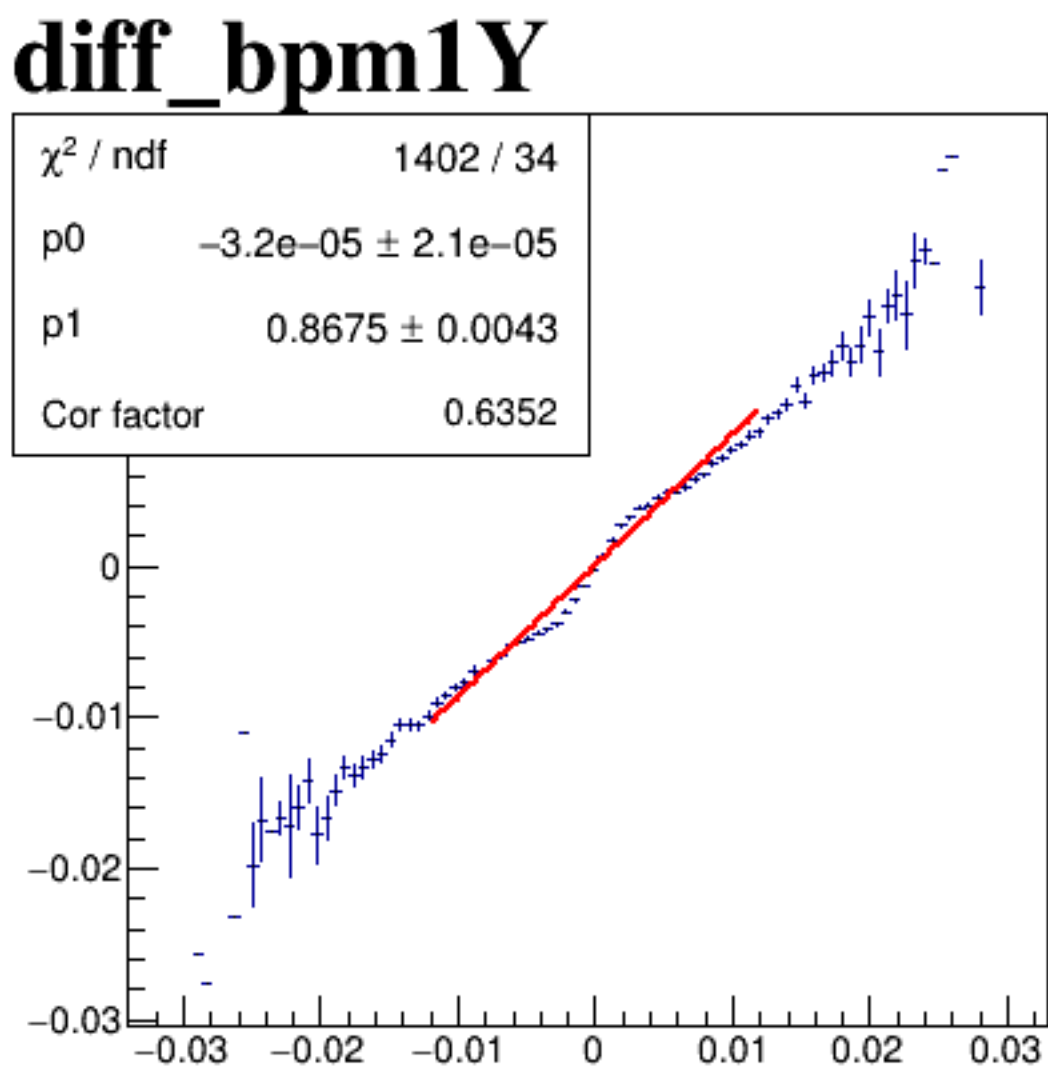
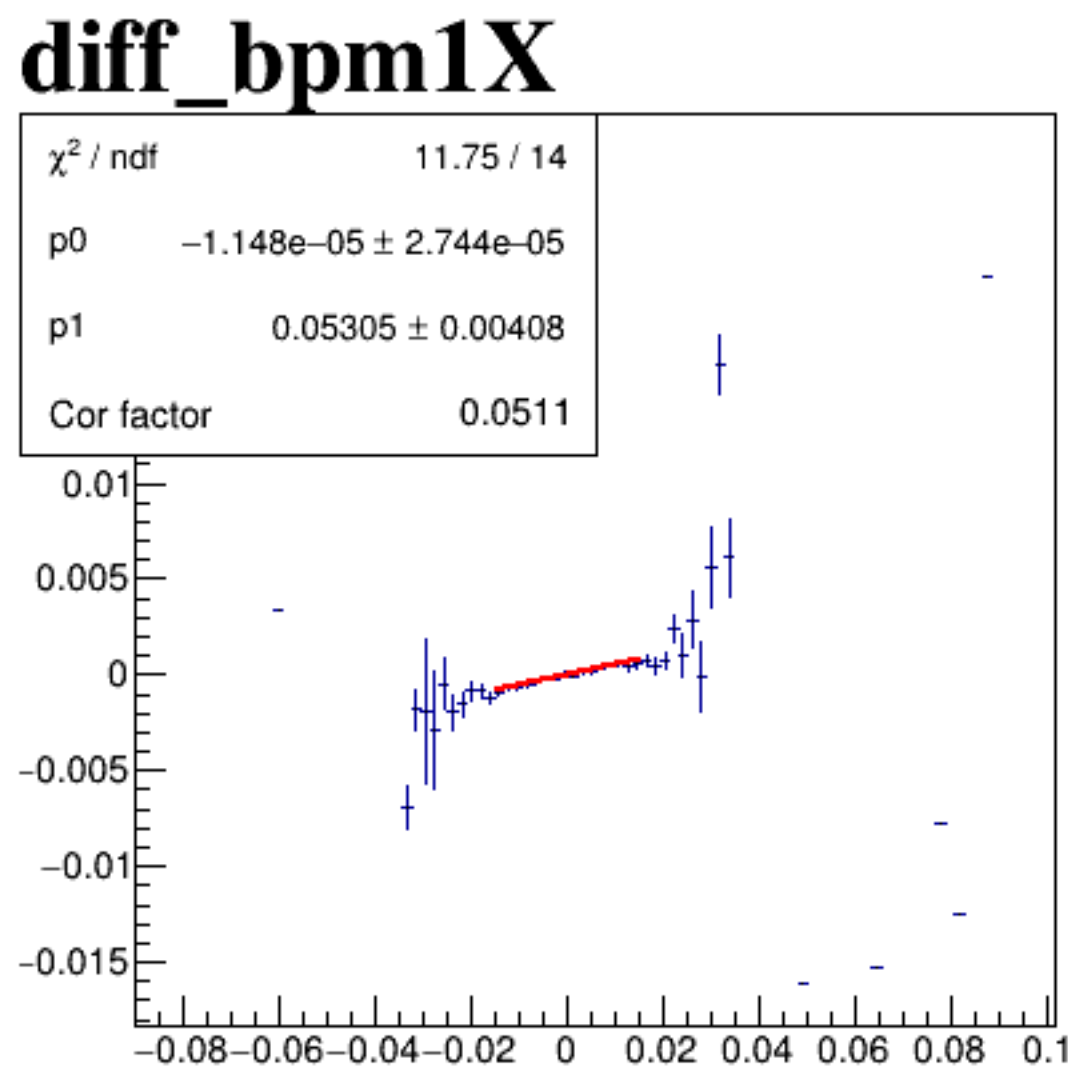
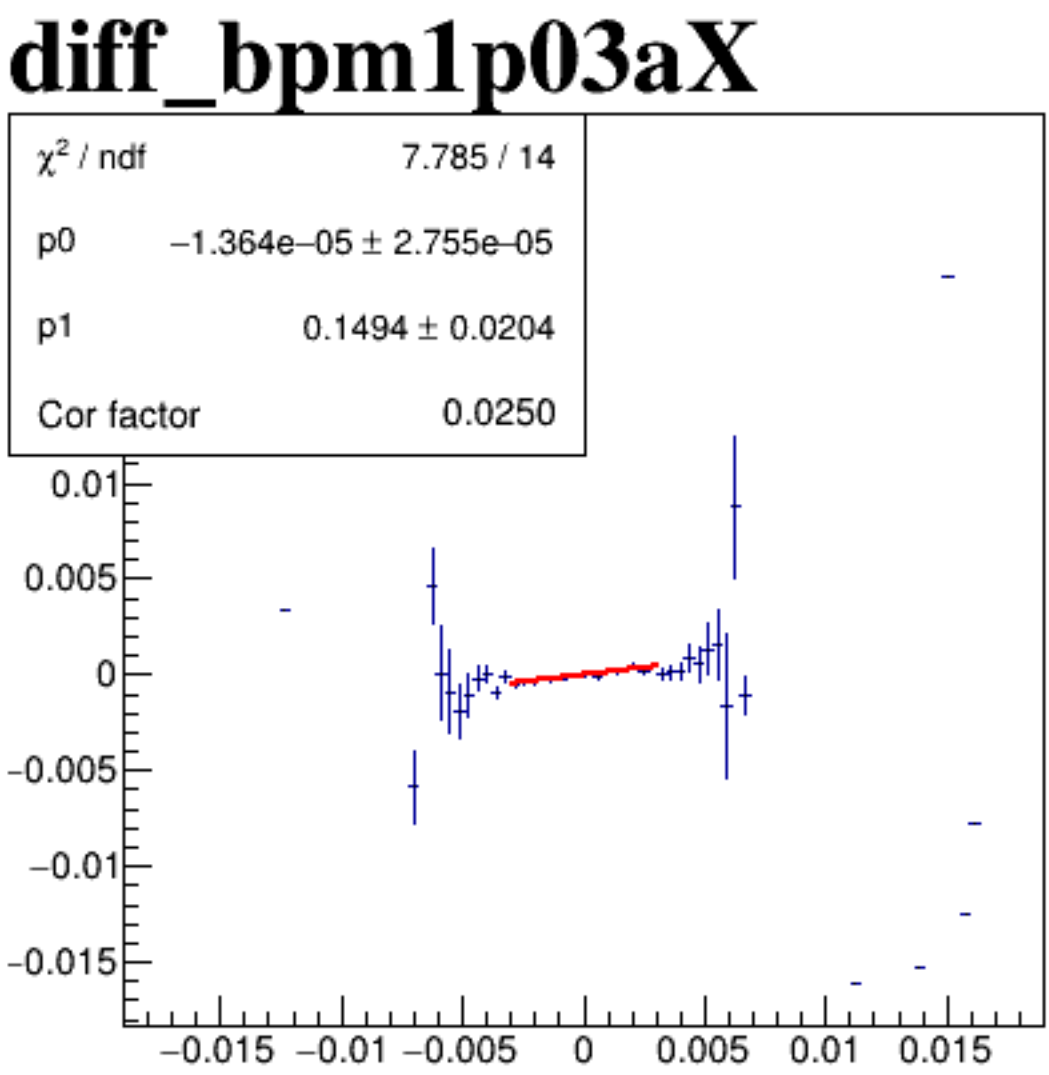
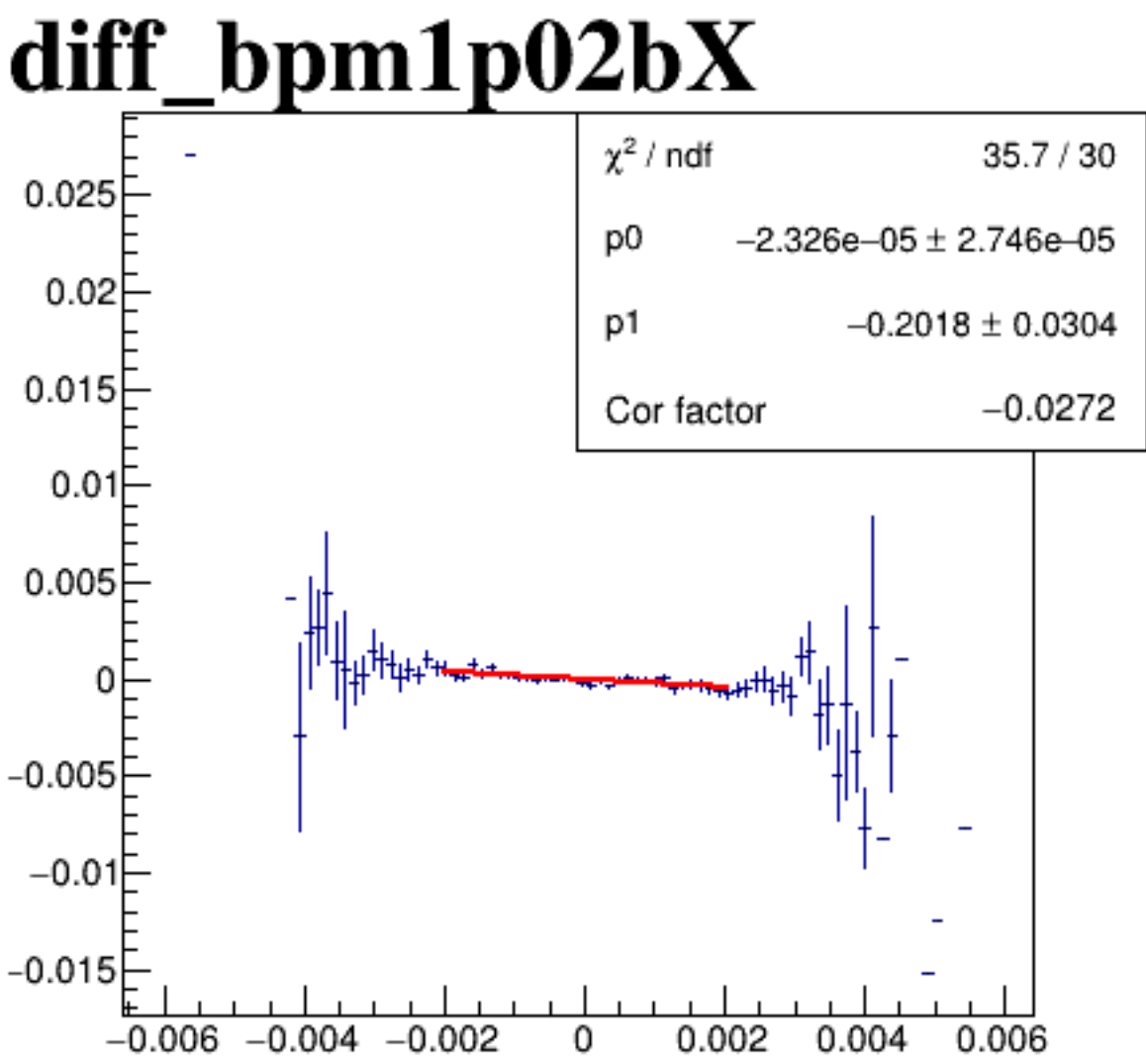
diff_bpm4aY



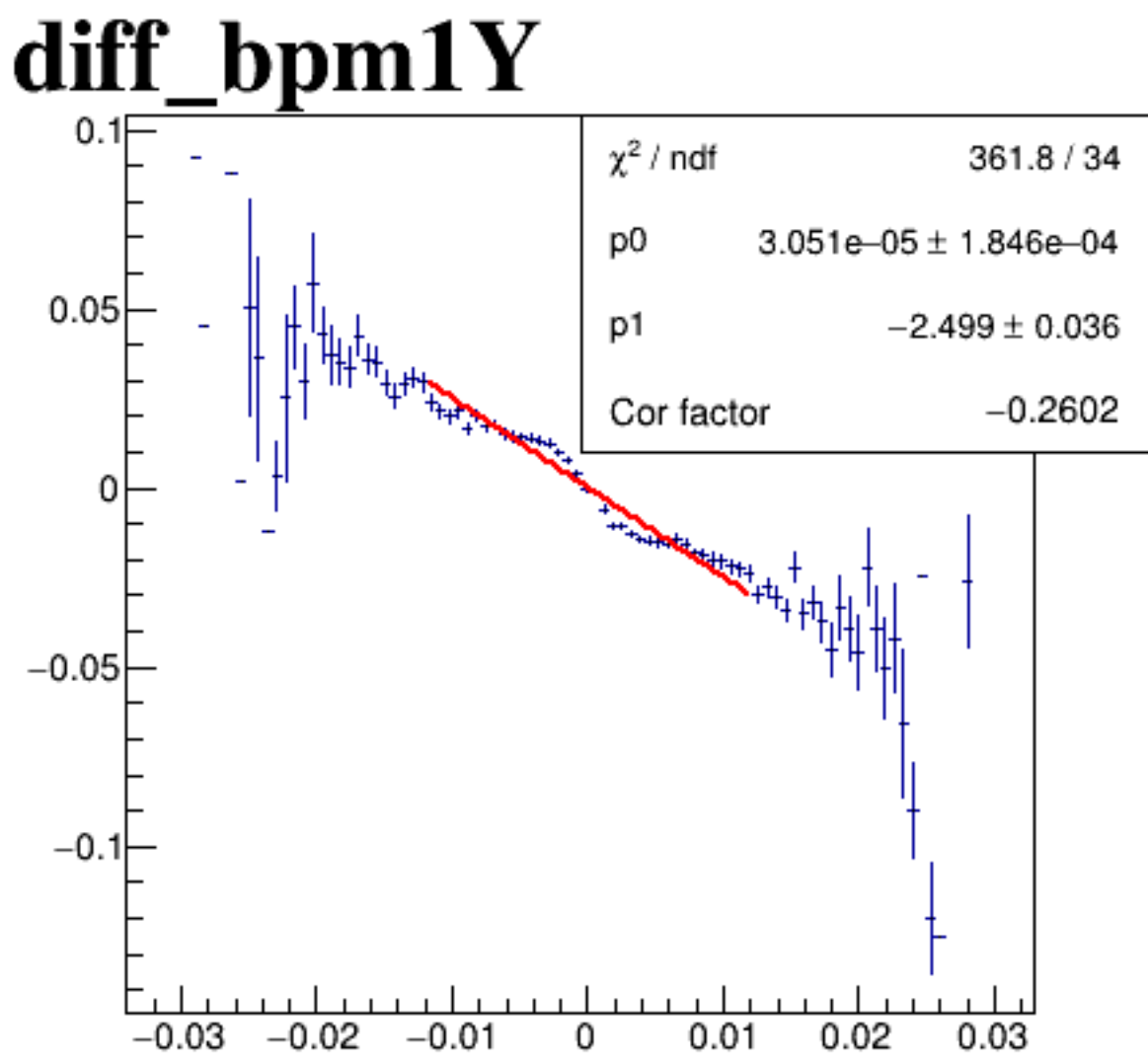
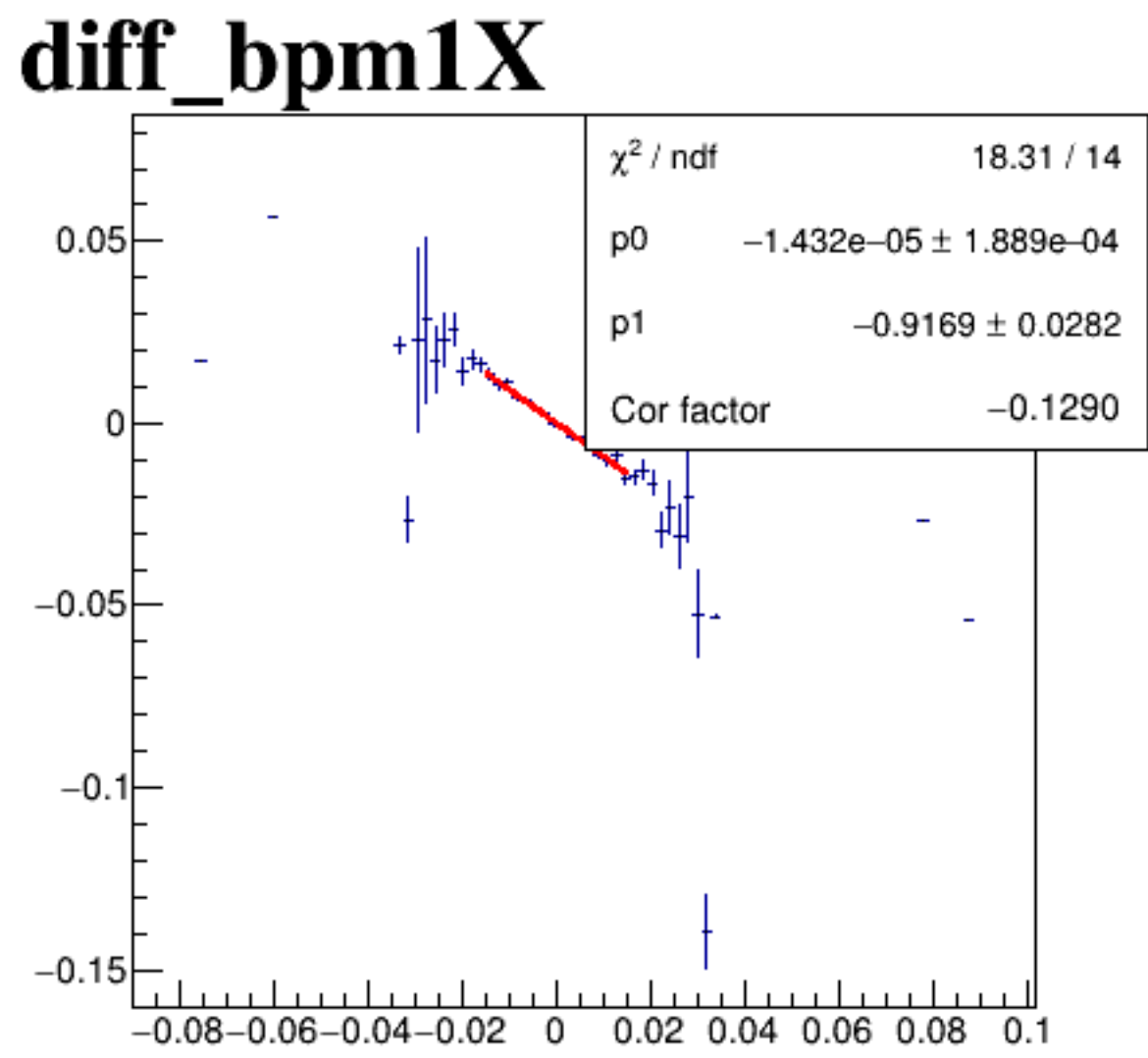
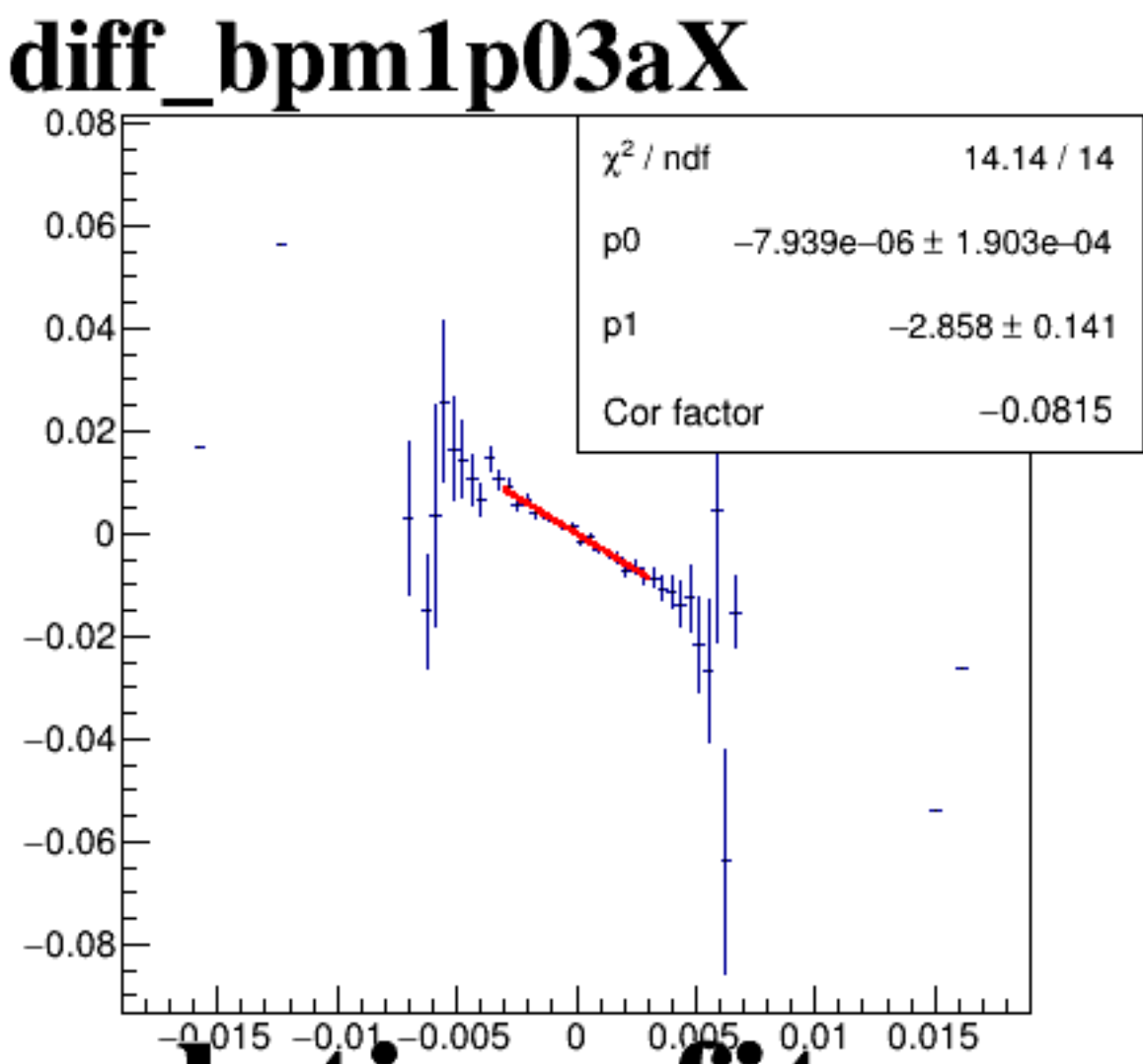
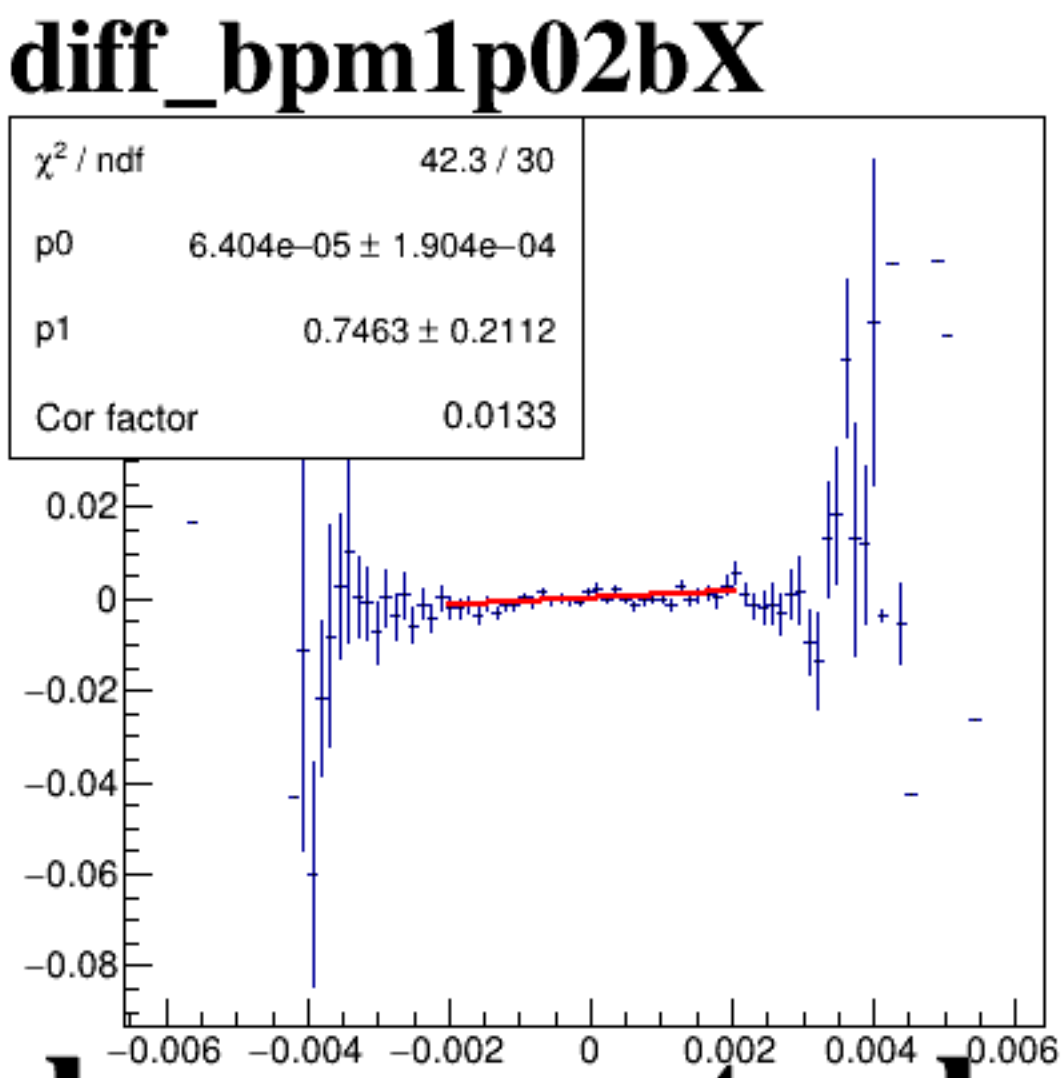
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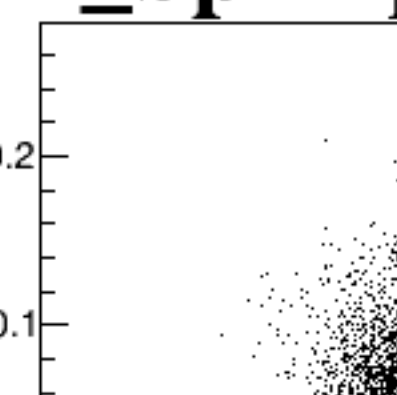
diff_bpm4eY



diff_bpm12X

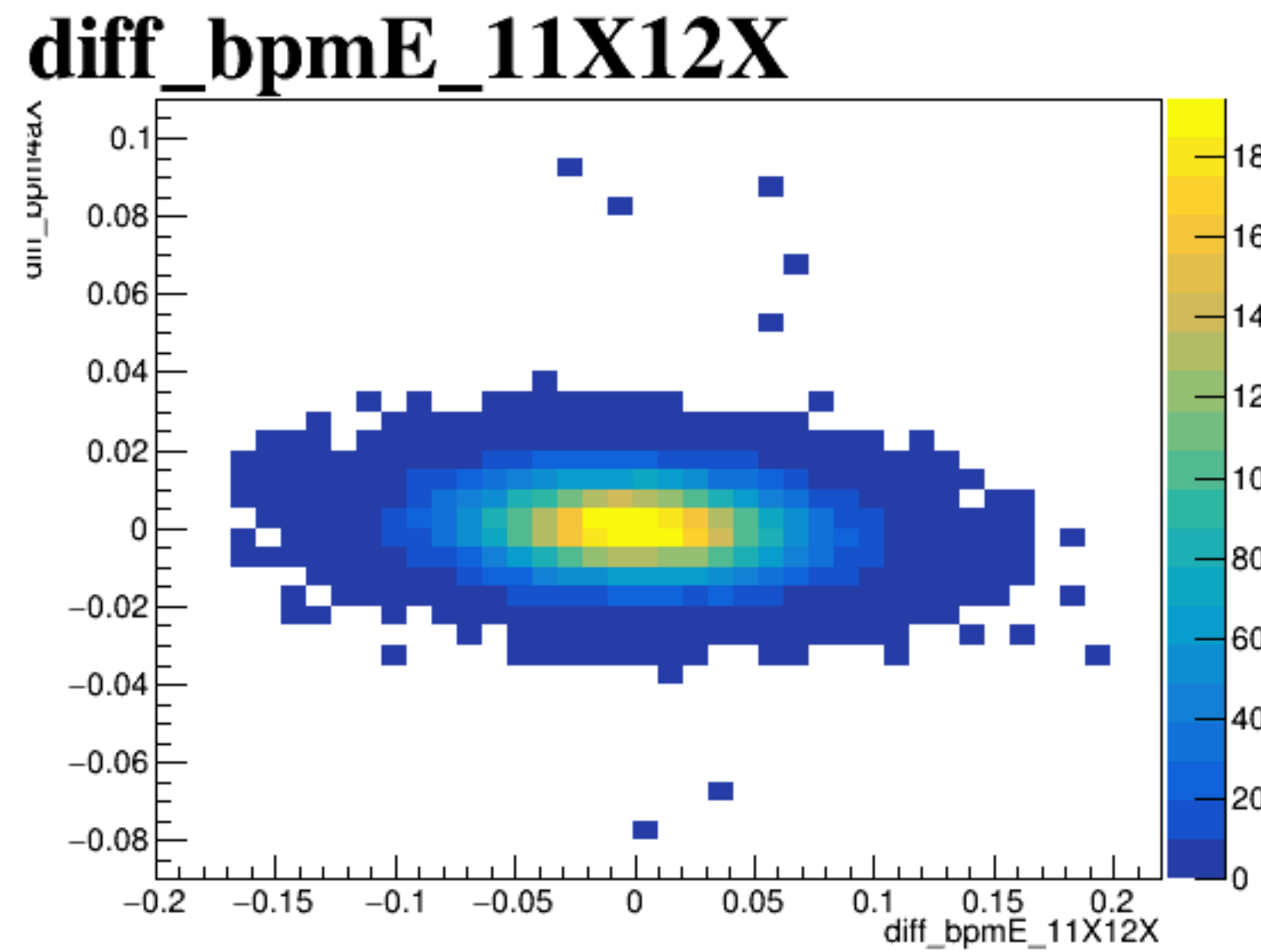
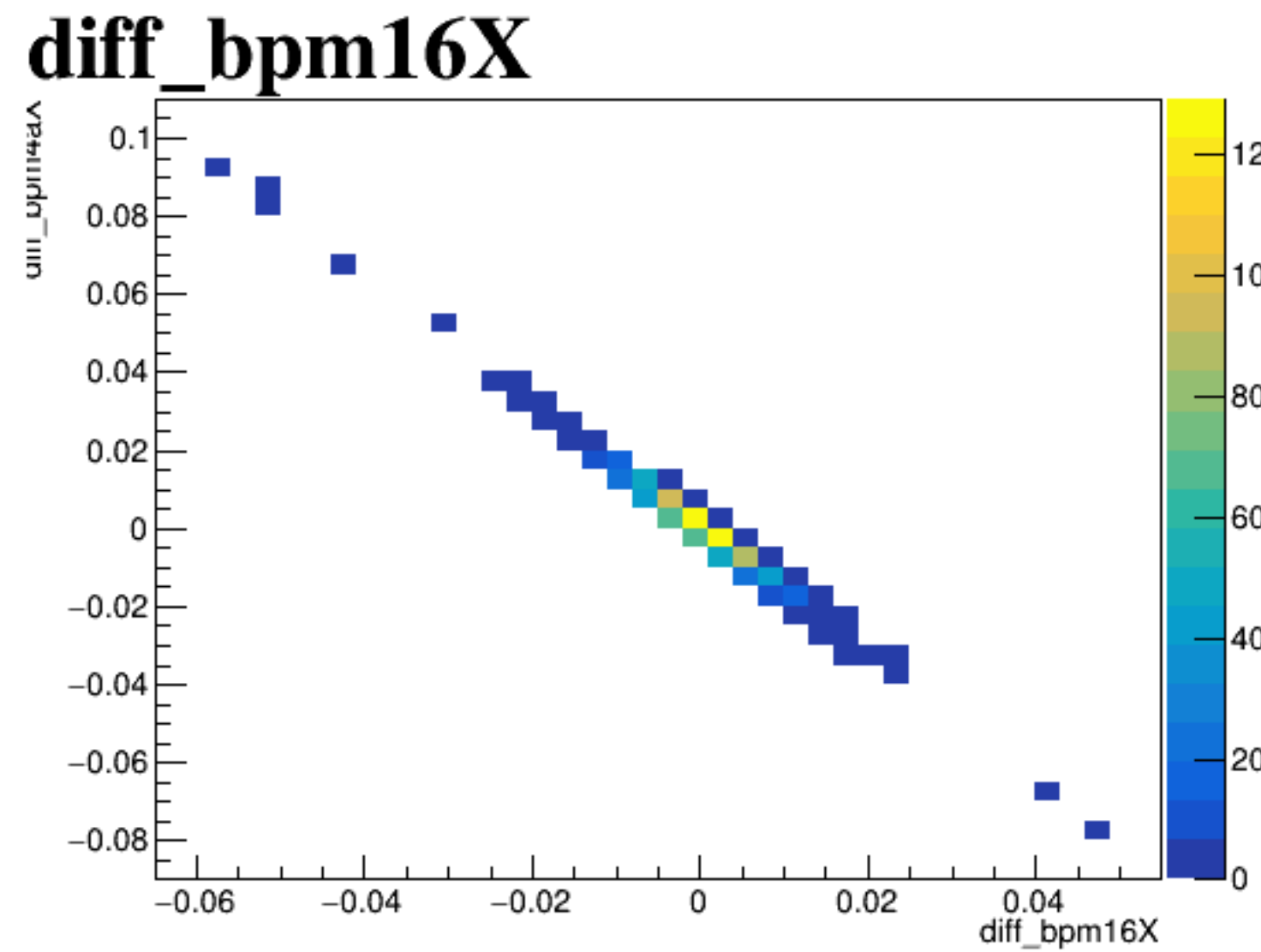
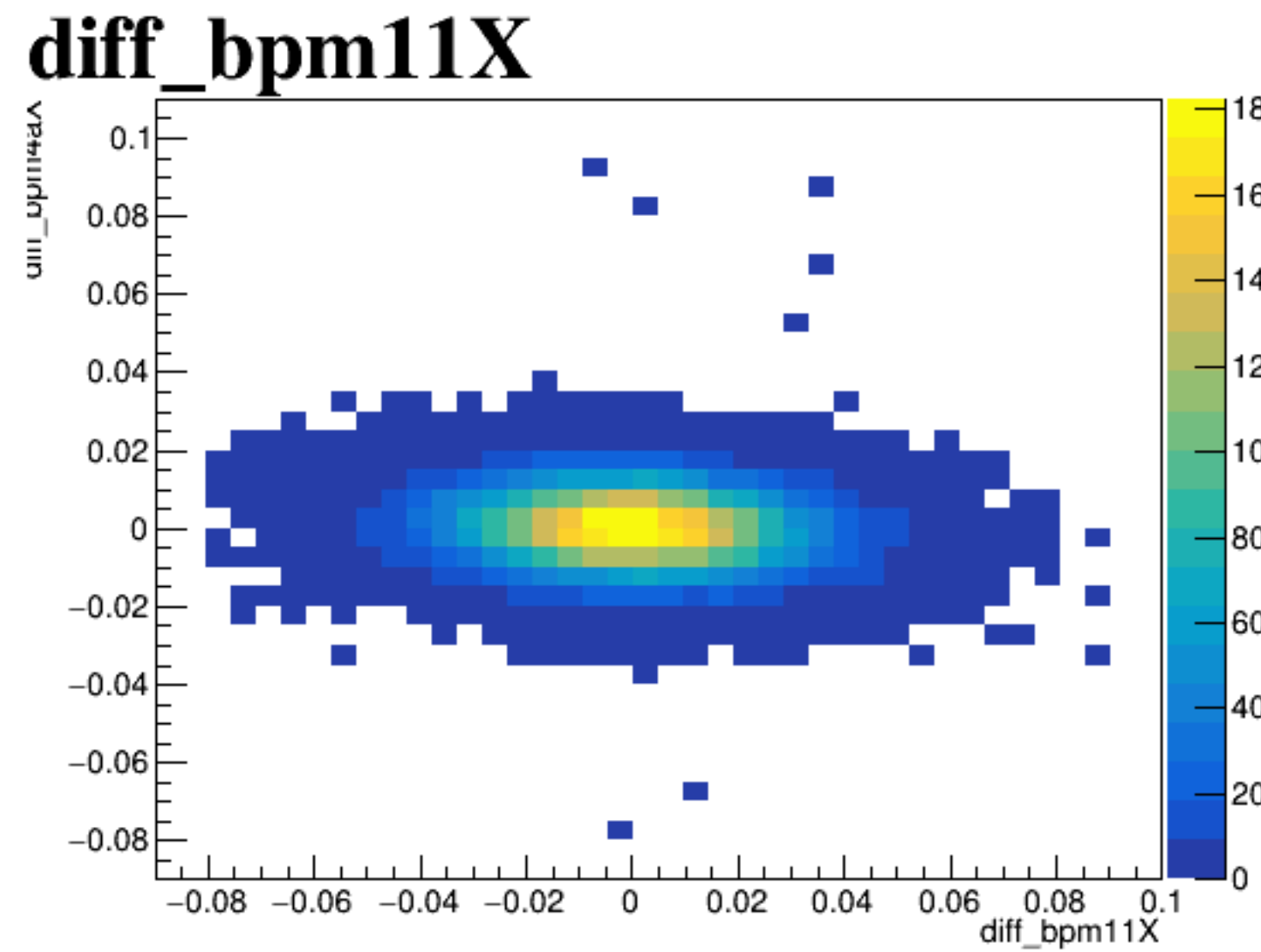


A scatter plot titled "diff_bpm1Y". The x-axis is labeled "diff_bpm1Y" and ranges from -0.03 to 0.03 with major ticks every 0.01. The y-axis ranges from -0.08 to 0.1 with major ticks every 0.02. The plot shows a dense, roughly elliptical cloud of points centered at (0,0), with most points falling within the range [-0.01, 0.01] on the x-axis and [-0.04, 0.02] on the y-axis.

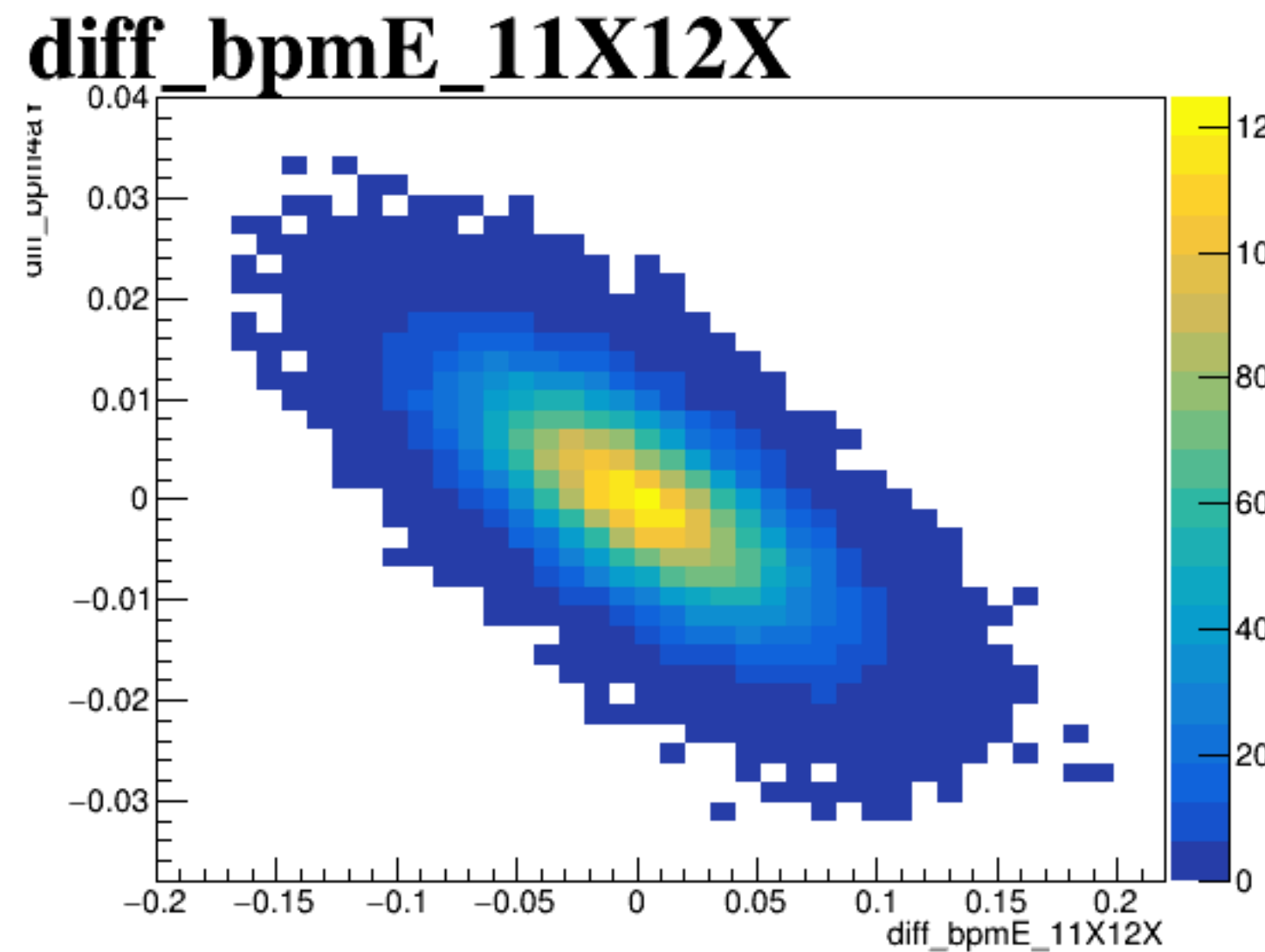
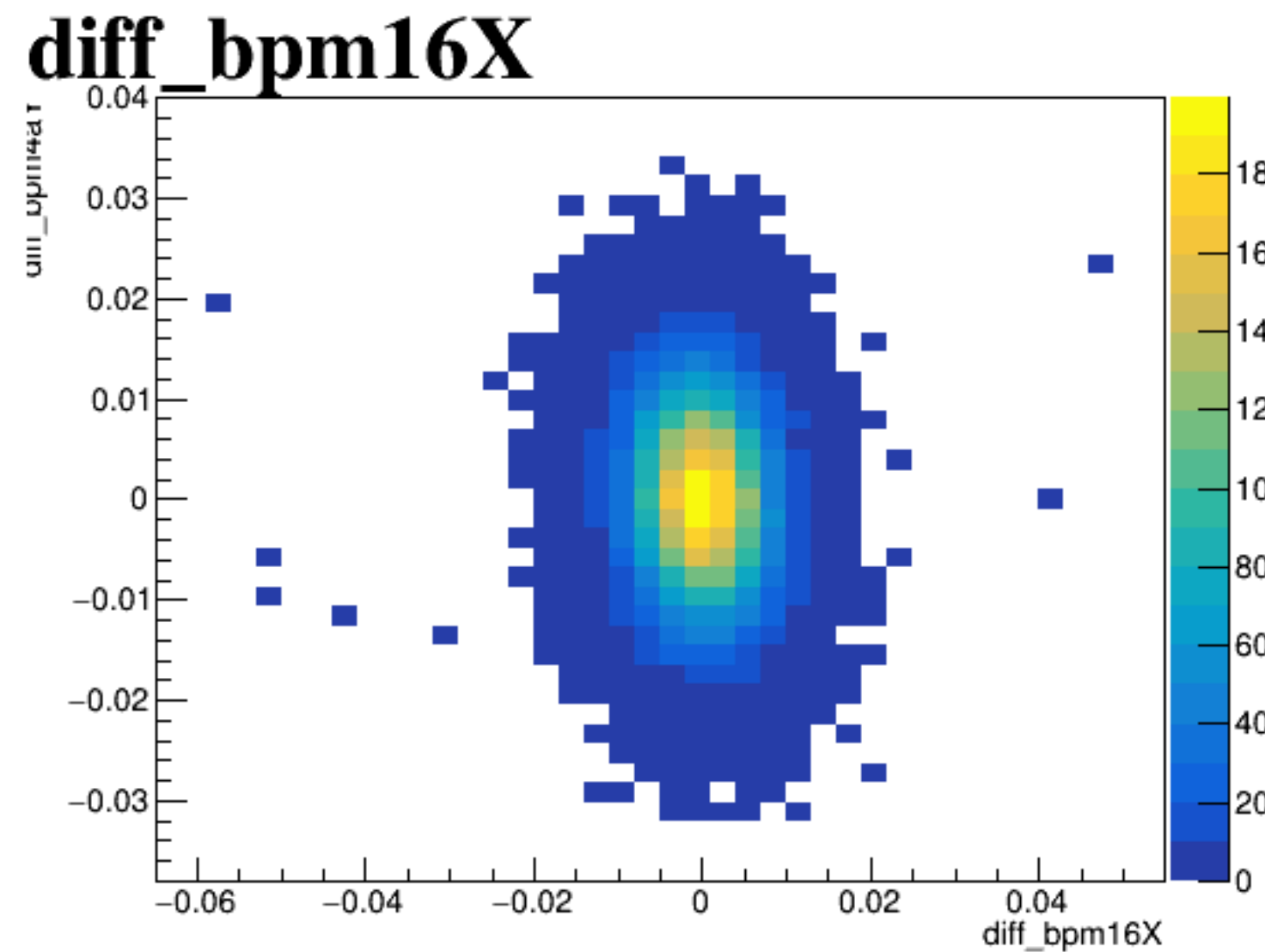
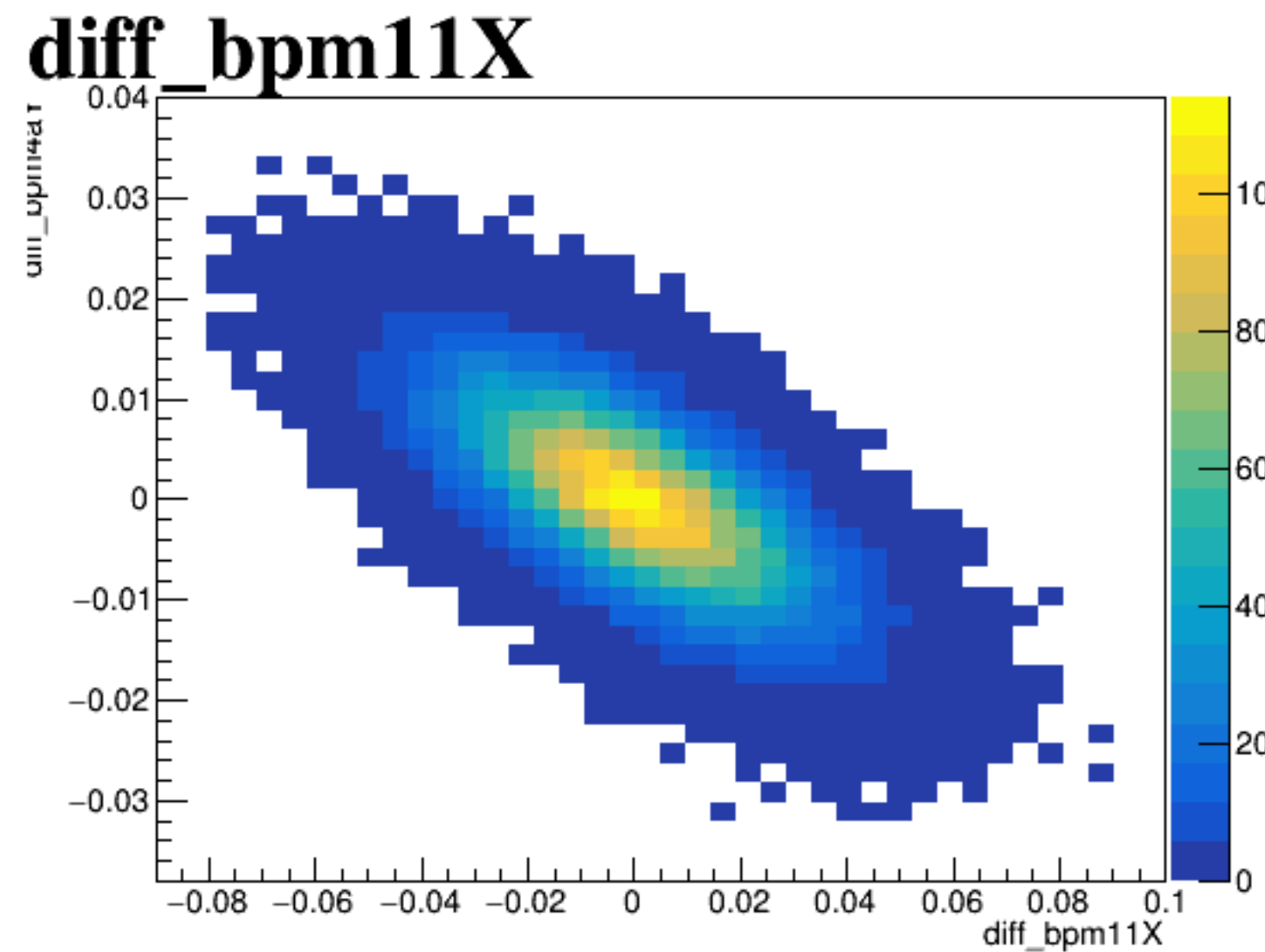


A scatter plot showing the relationship between bpm_mut1 (x-axis) and diff_bpm1p02bX (y-axis). The x-axis ranges from -0.006 to 0.006, and the y-axis ranges from -0.2 to 0.2. The data points are densely clustered around the origin (0,0), forming a circular cloud of points.

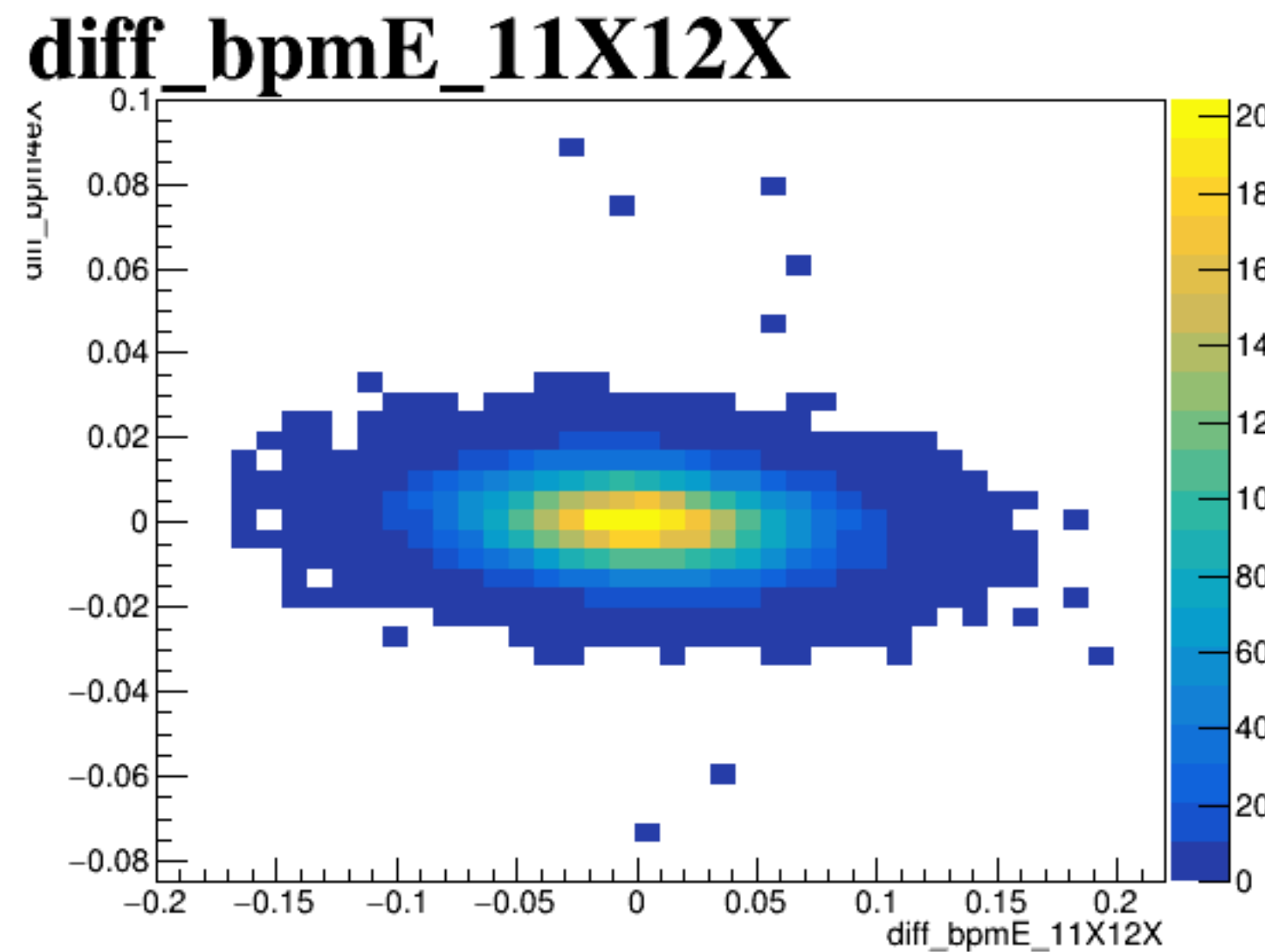
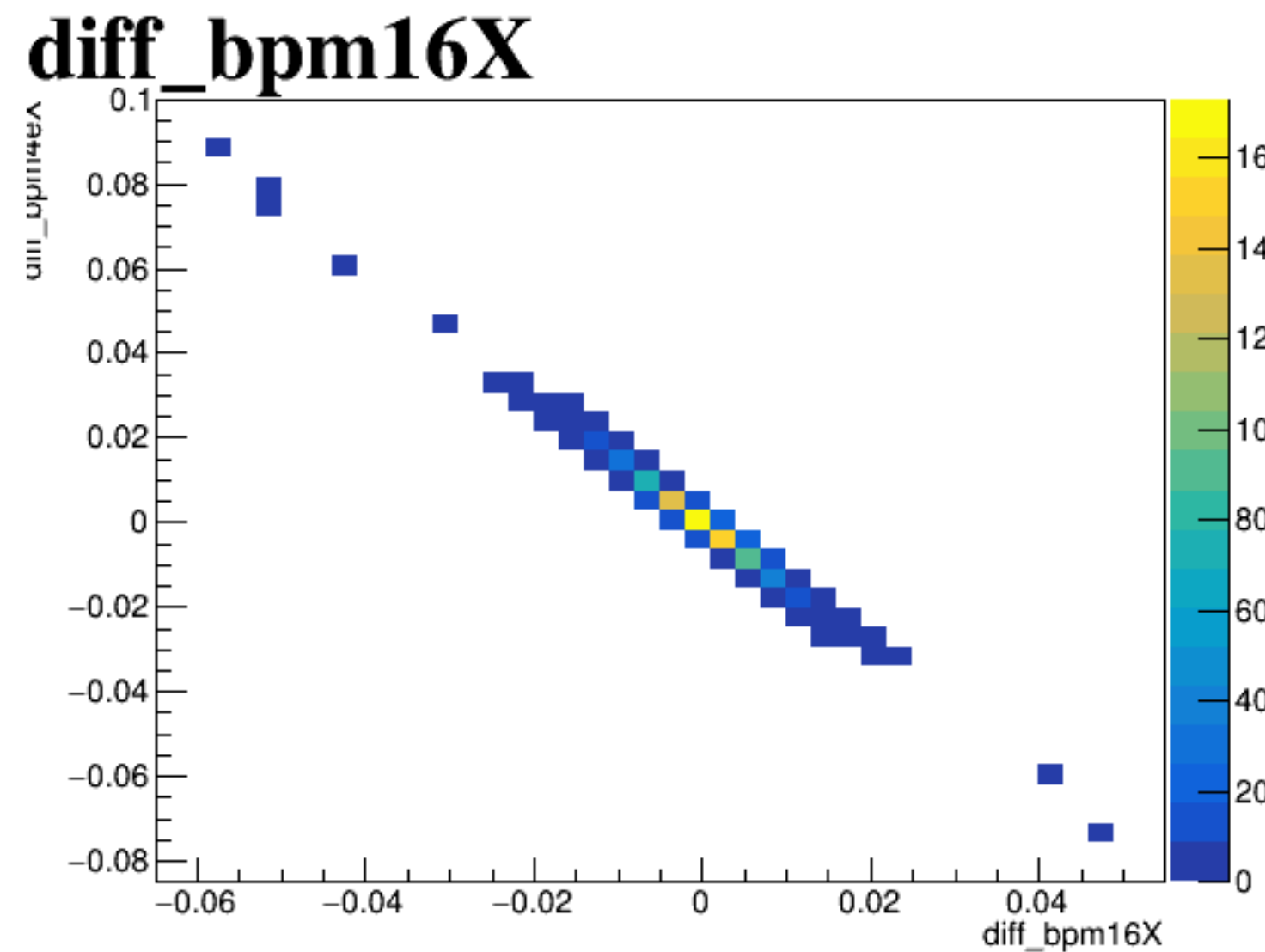
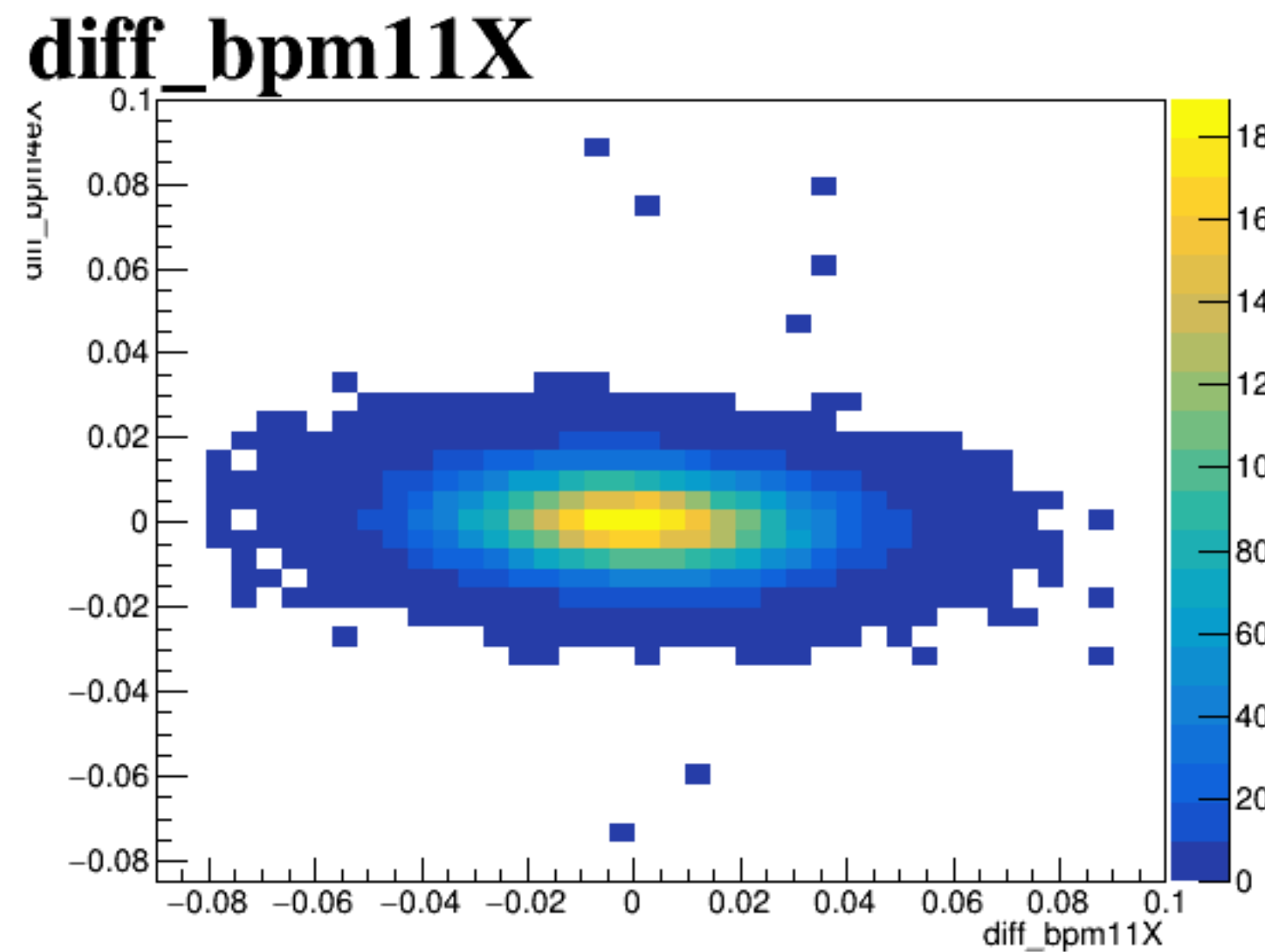
diff_bpm4aX



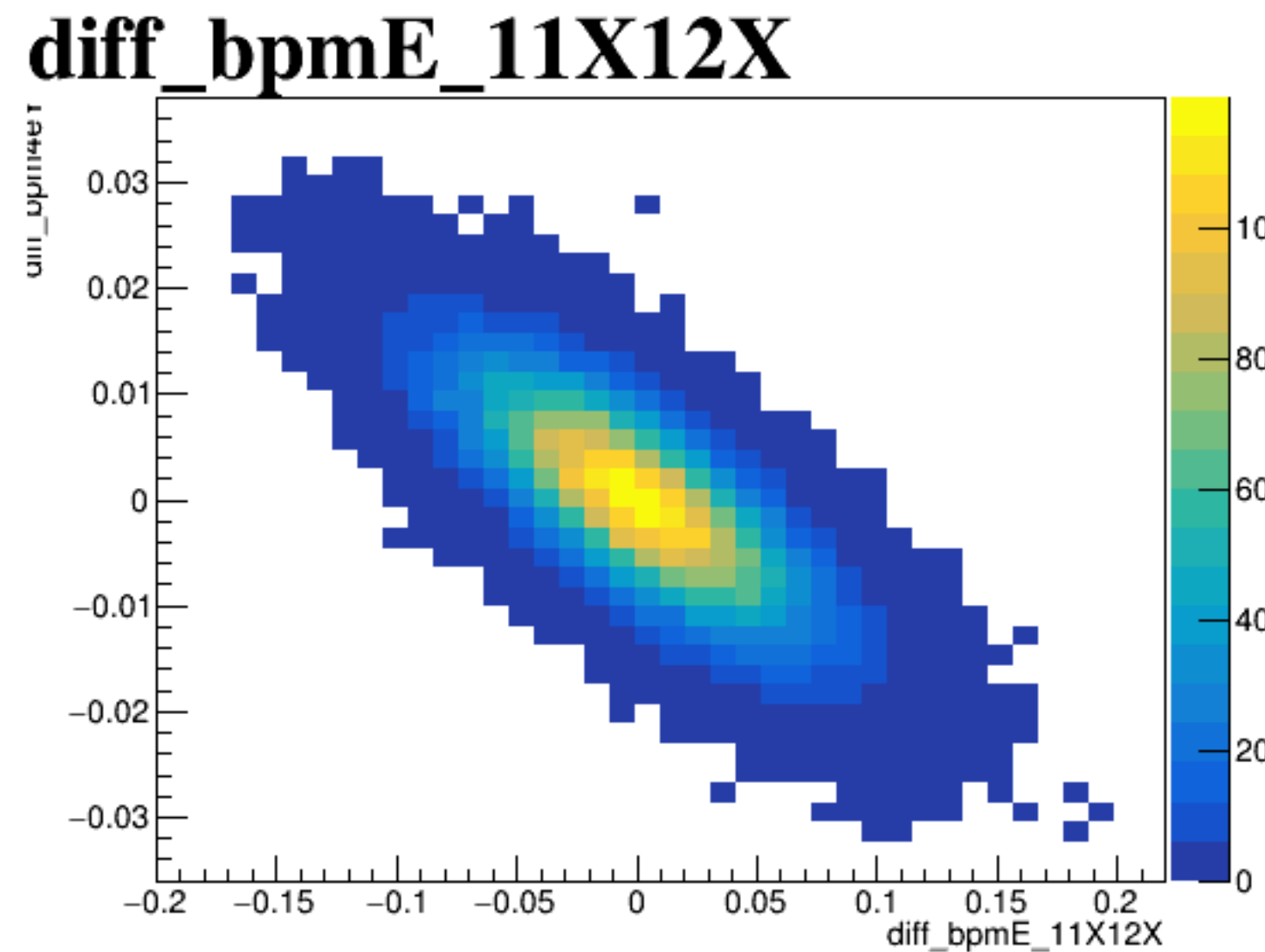
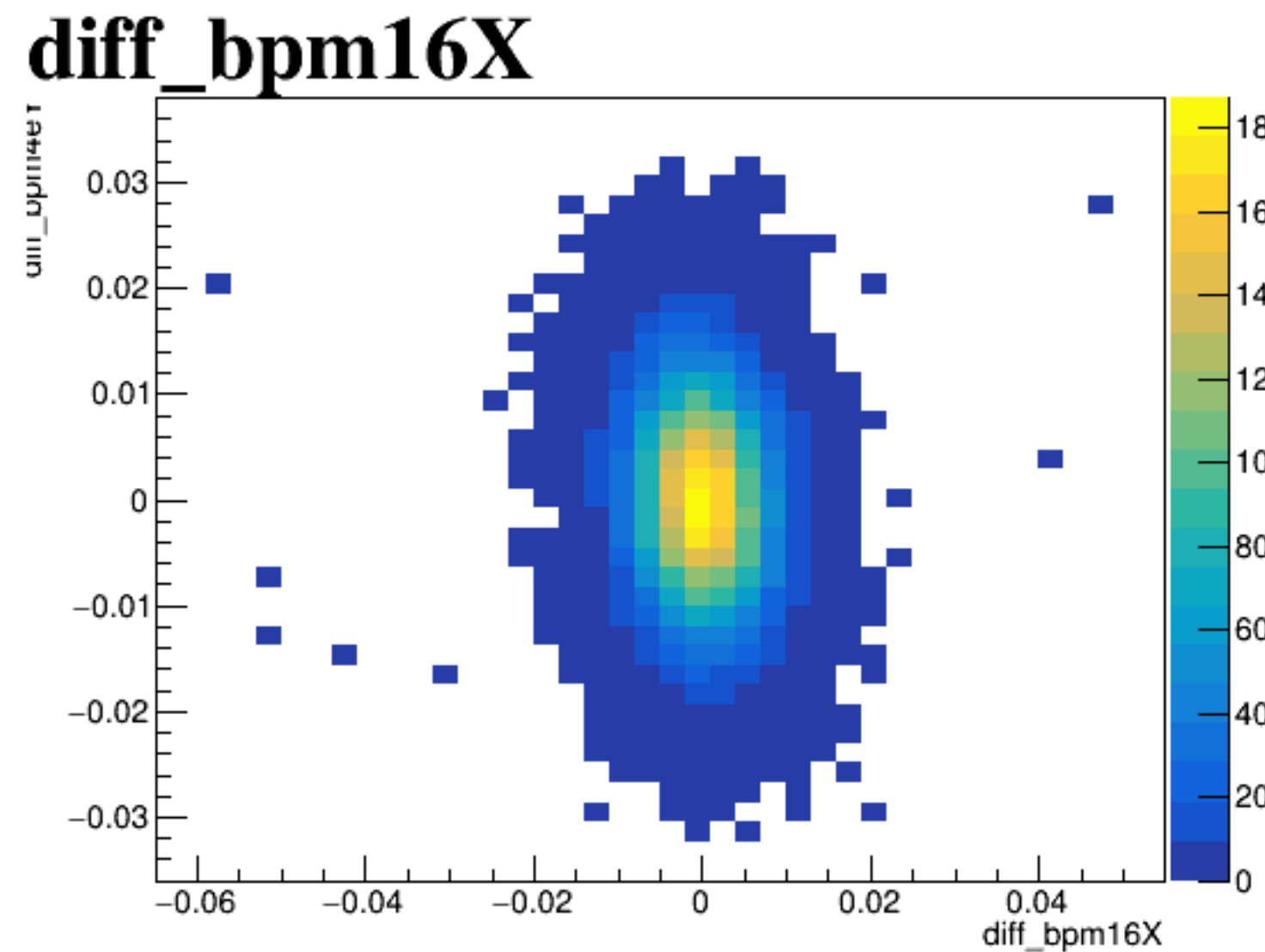
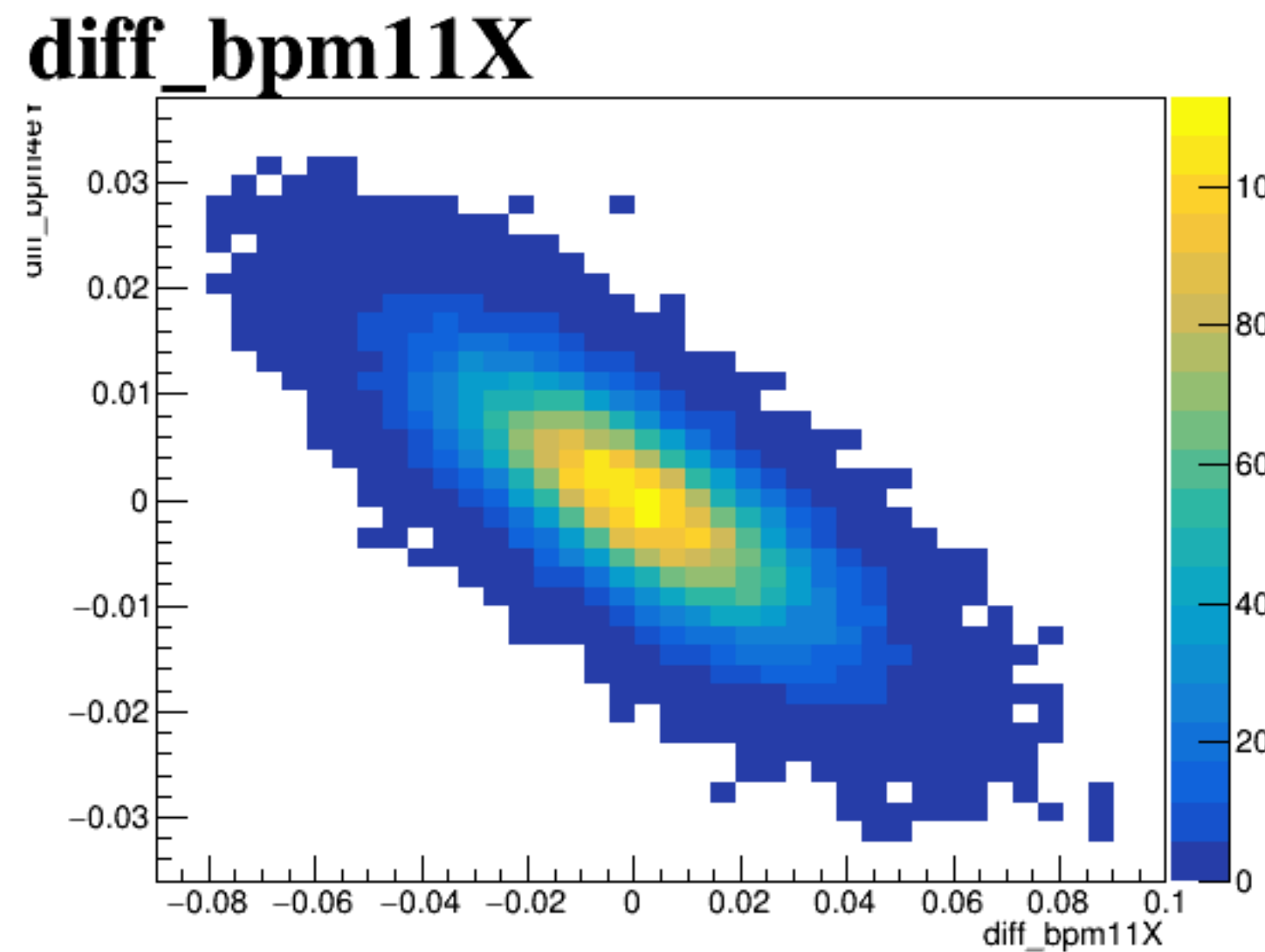
diff_bpm4aY



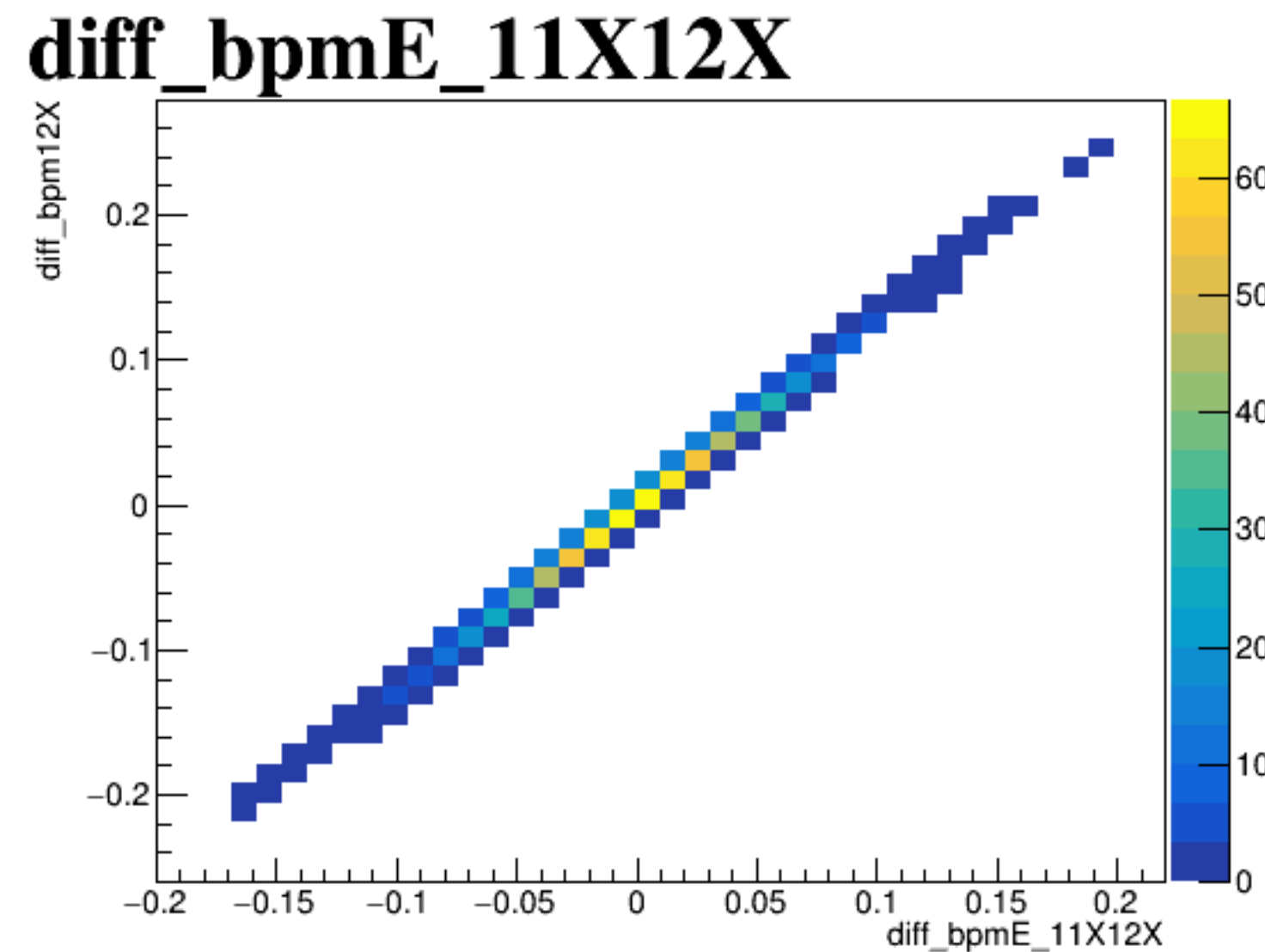
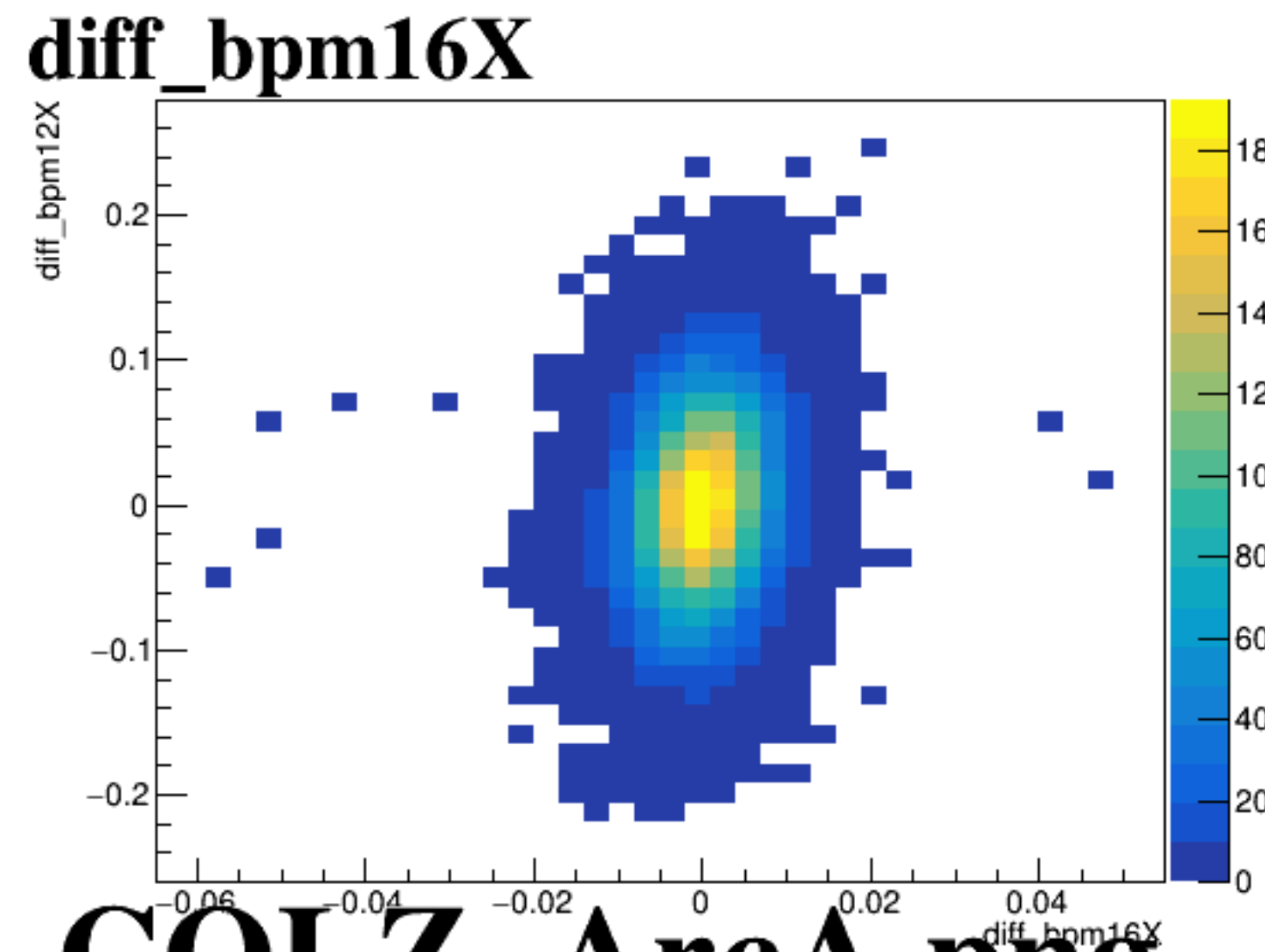
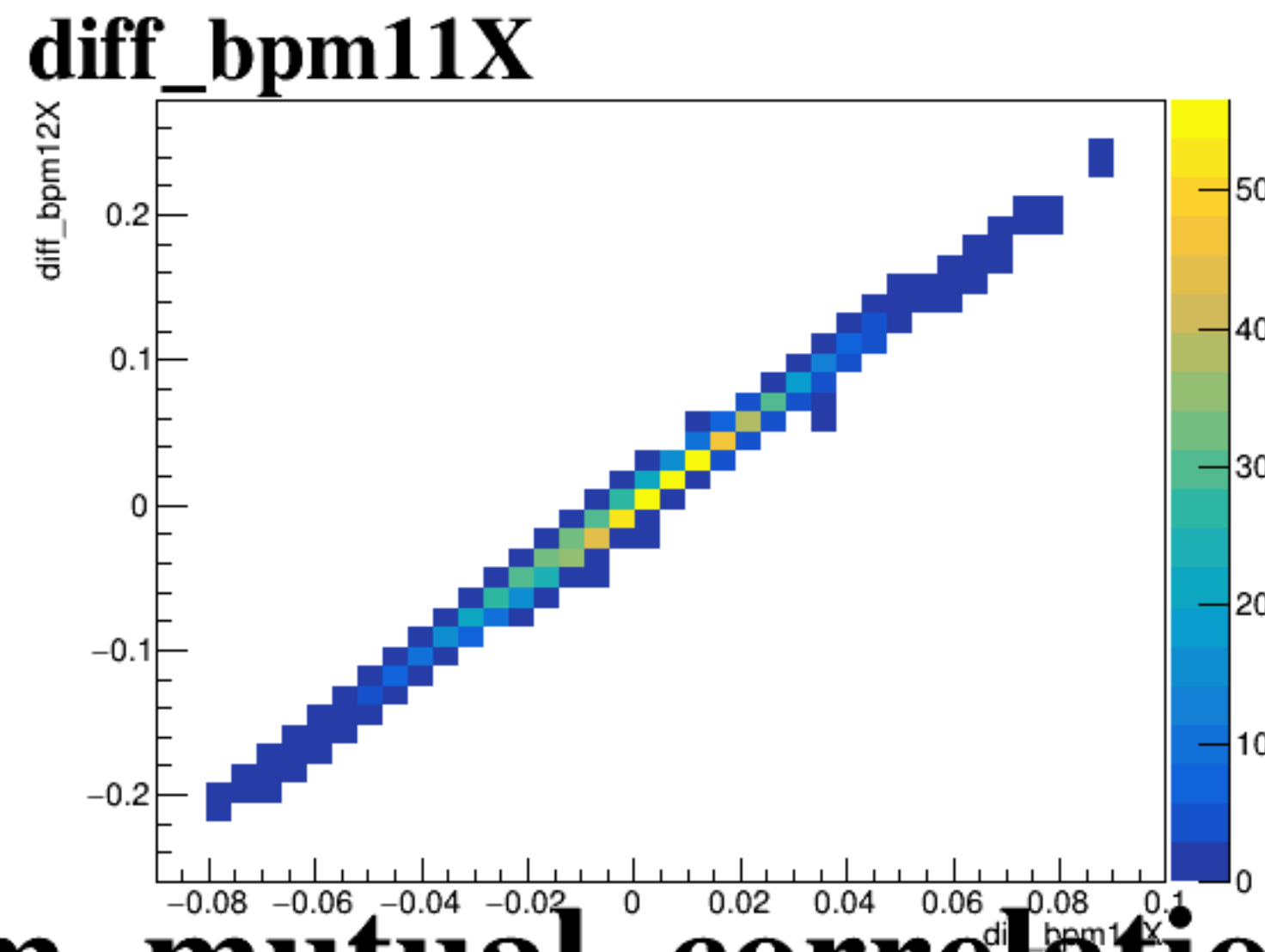
diff_bpm4eX



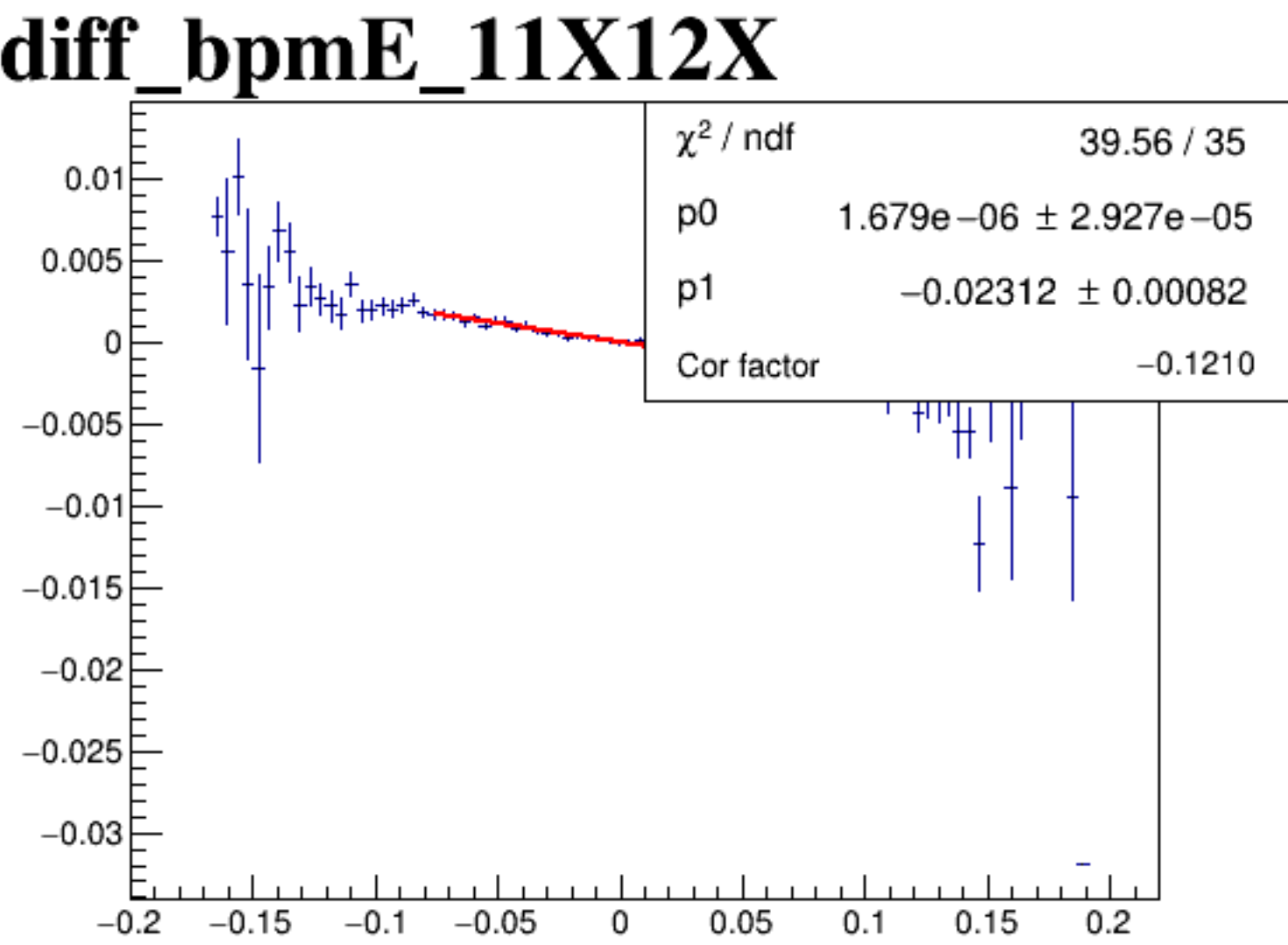
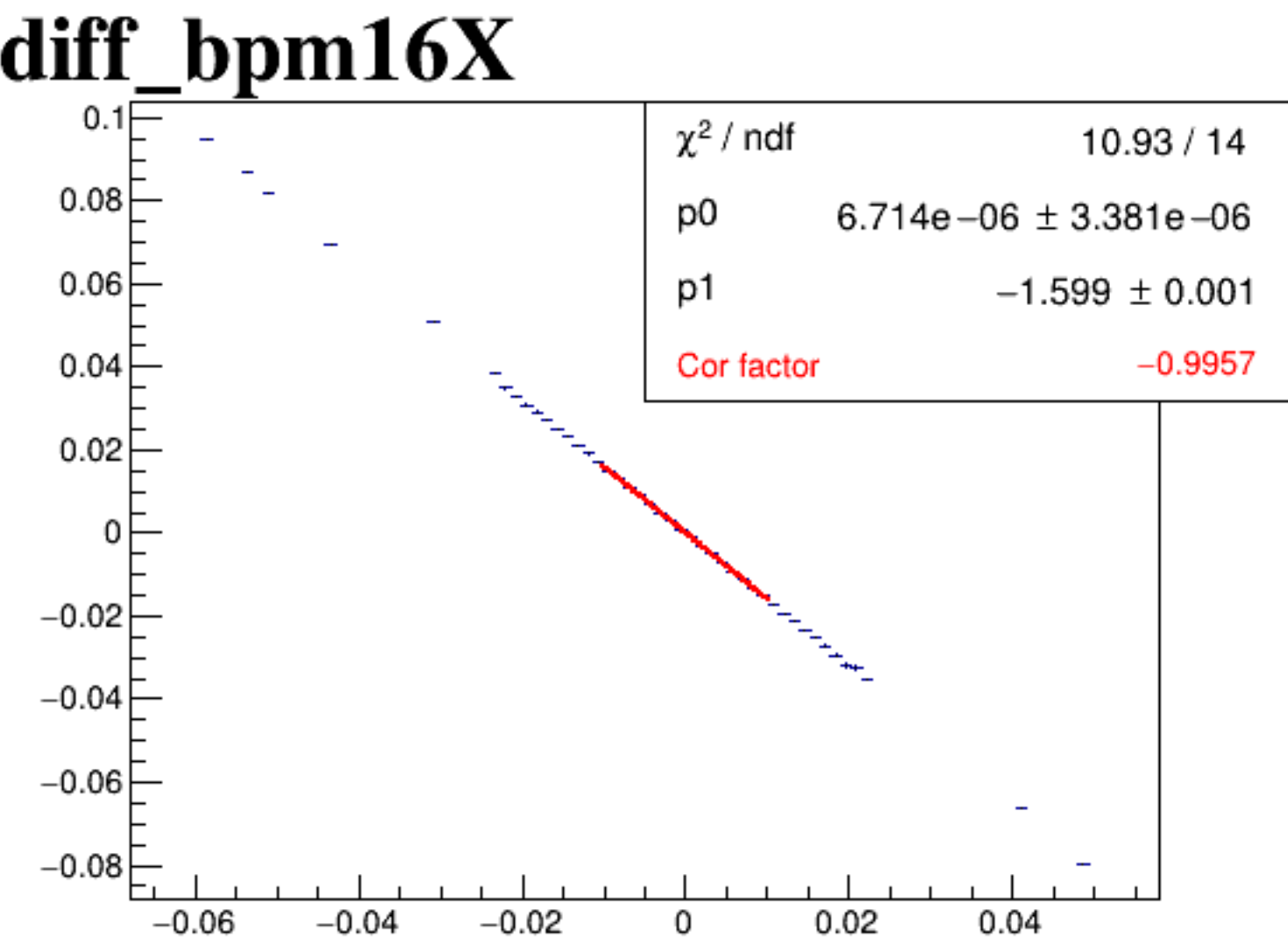
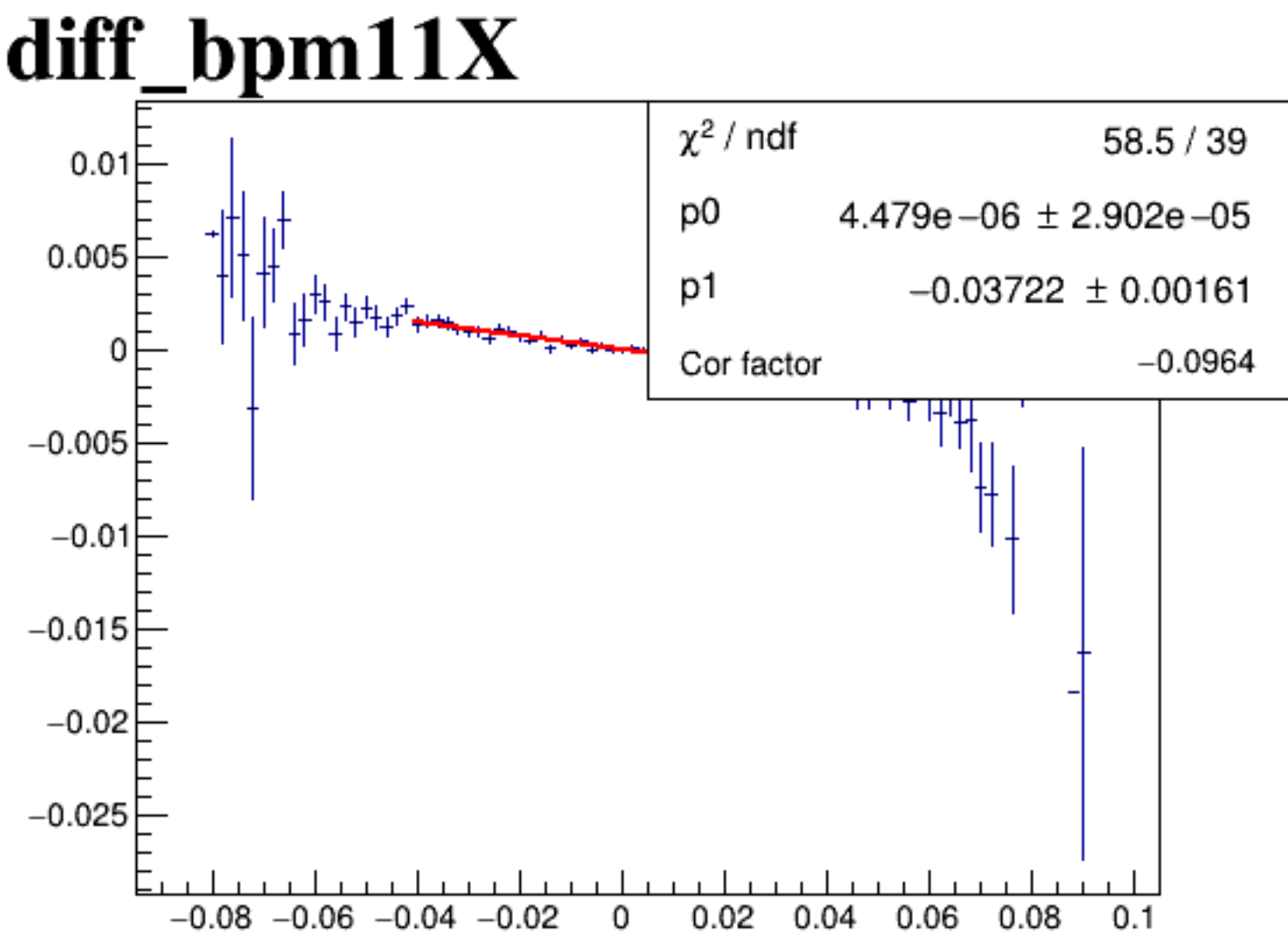
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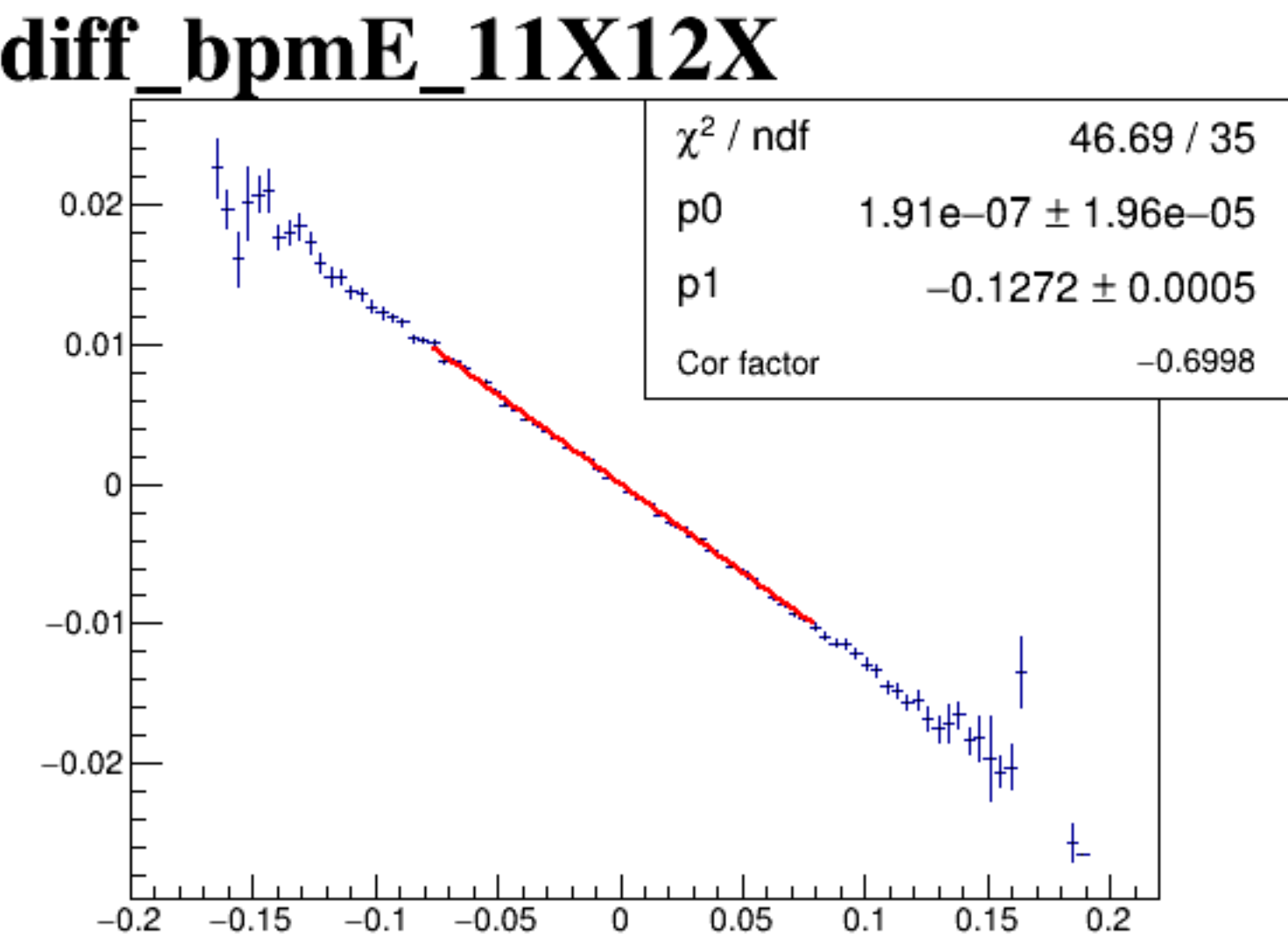
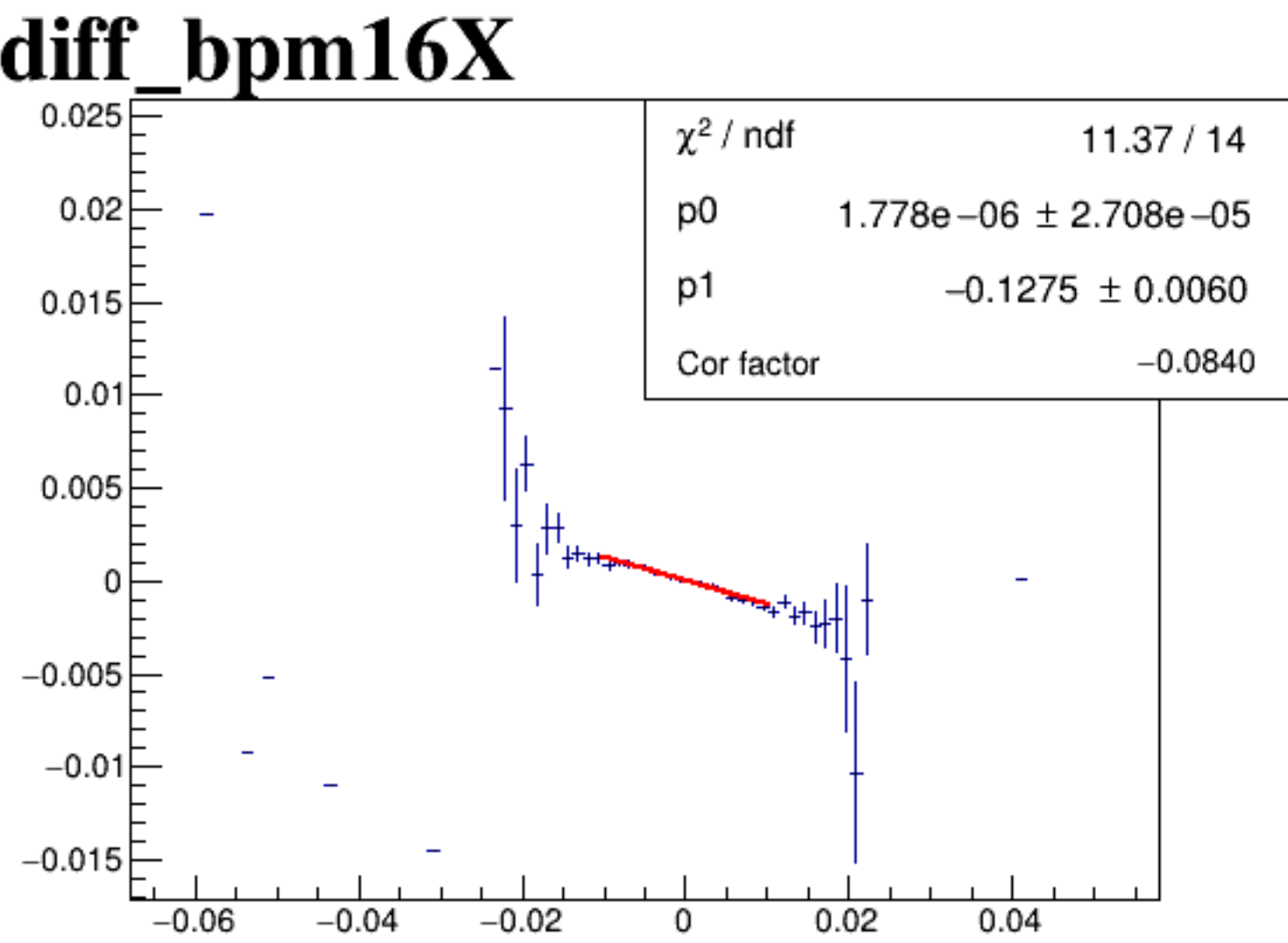
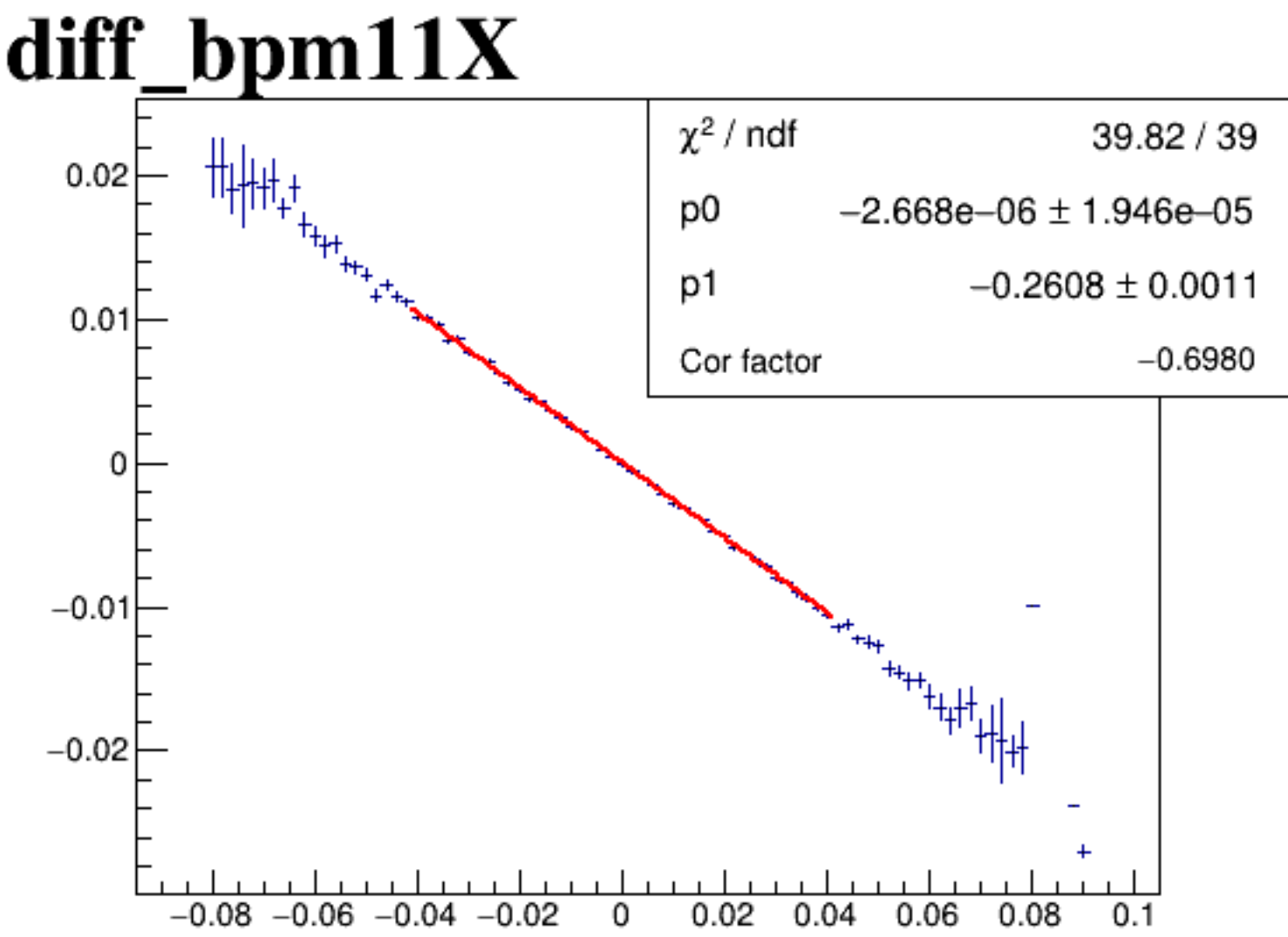
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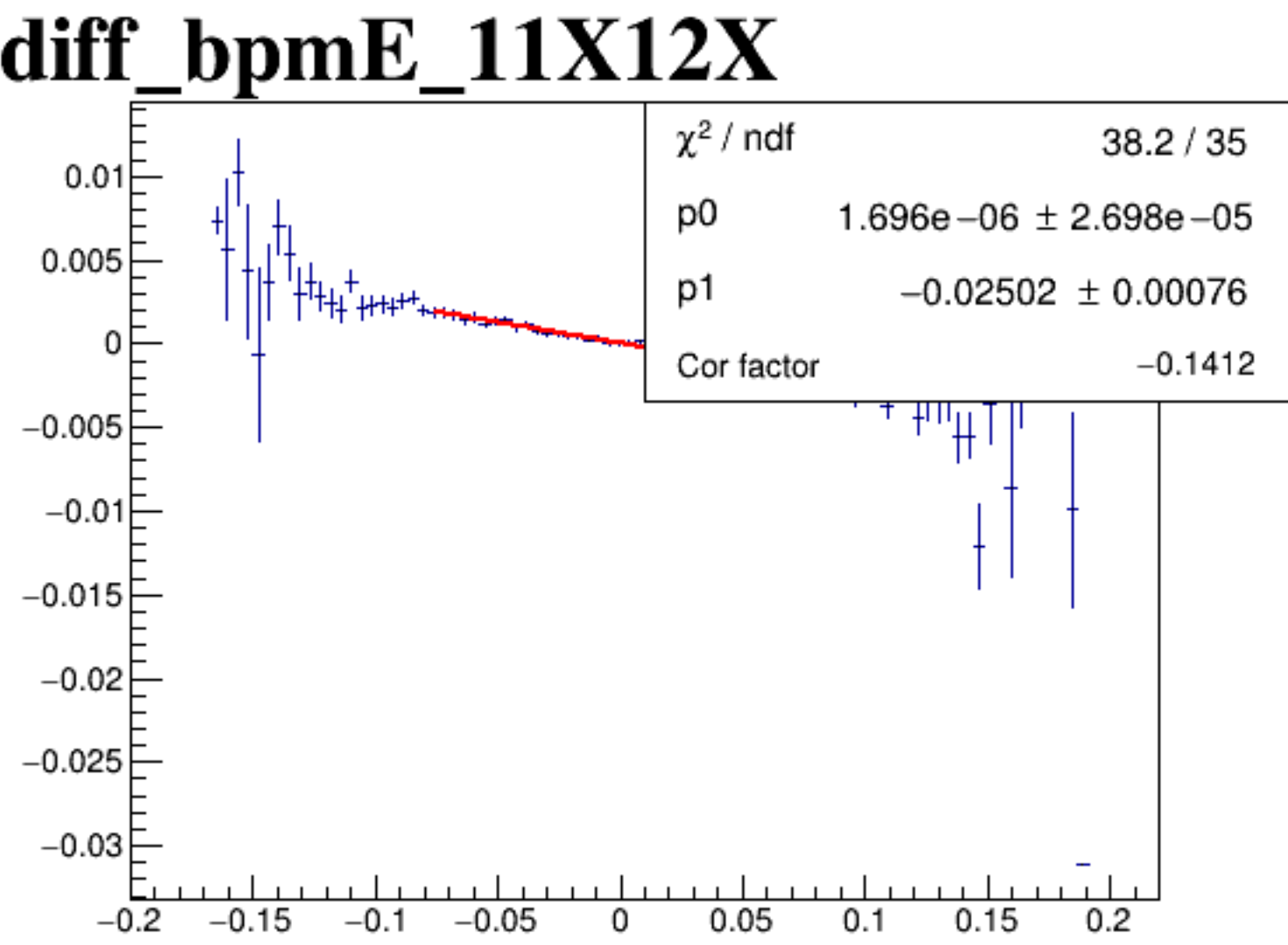
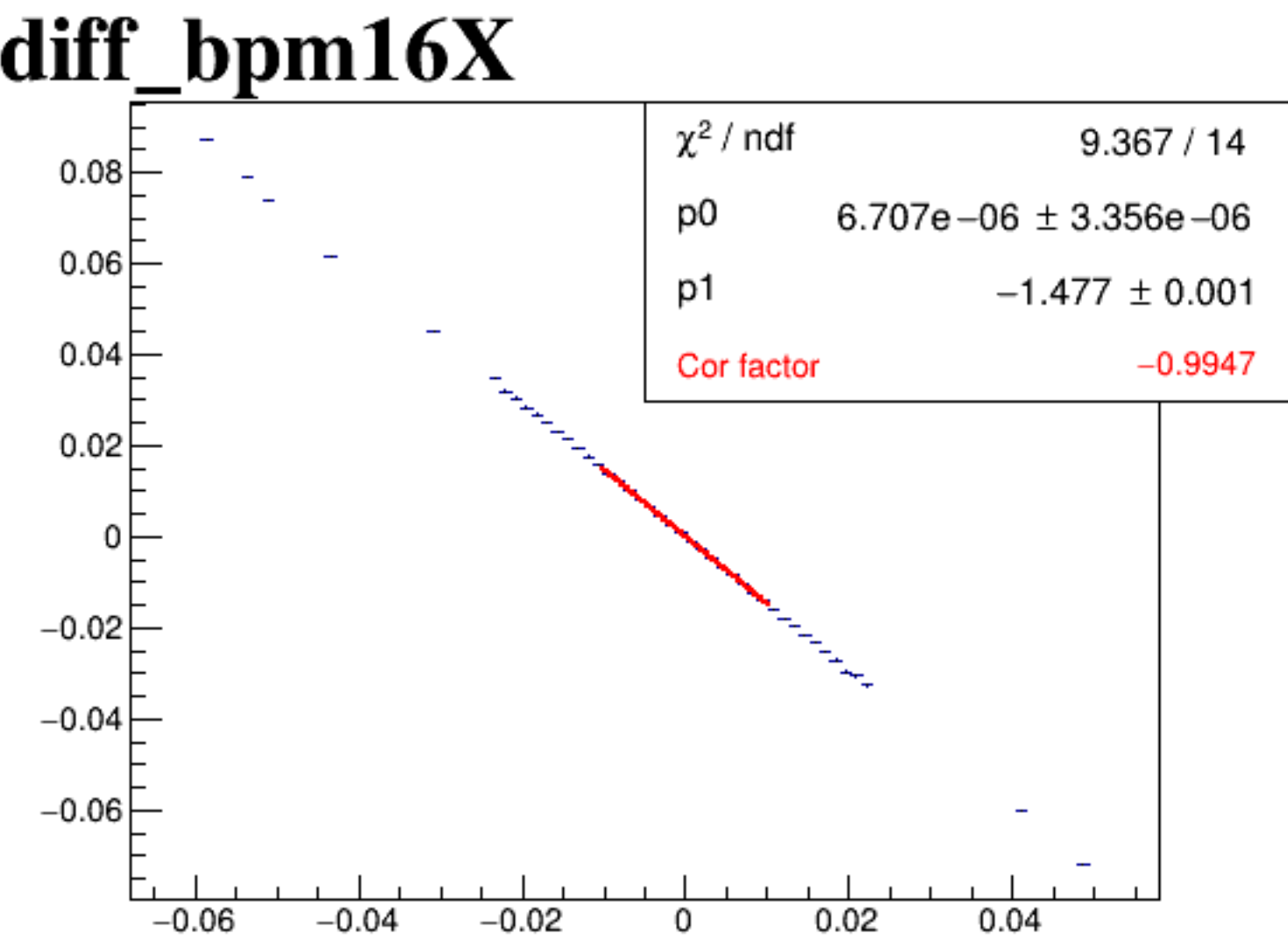
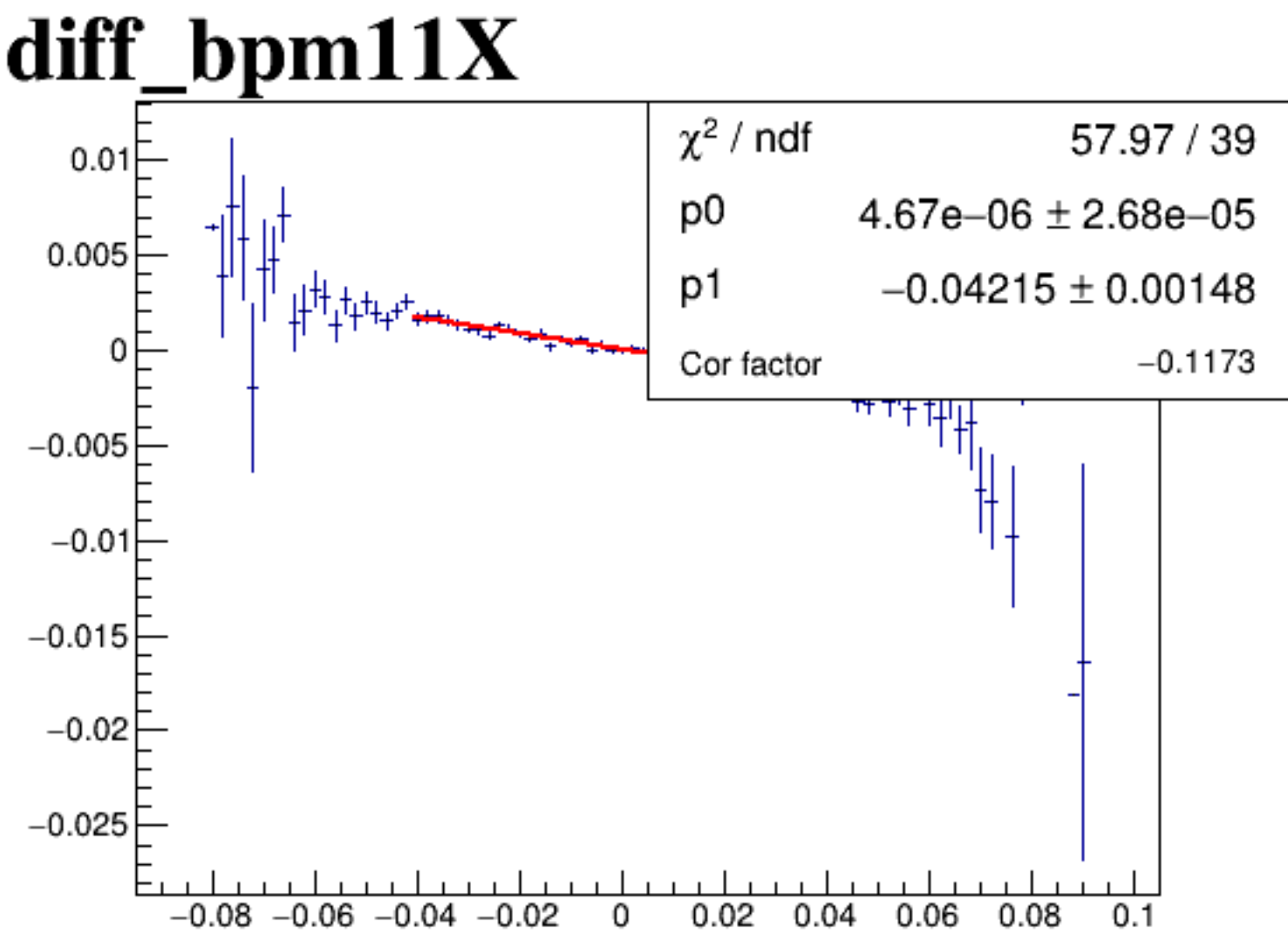
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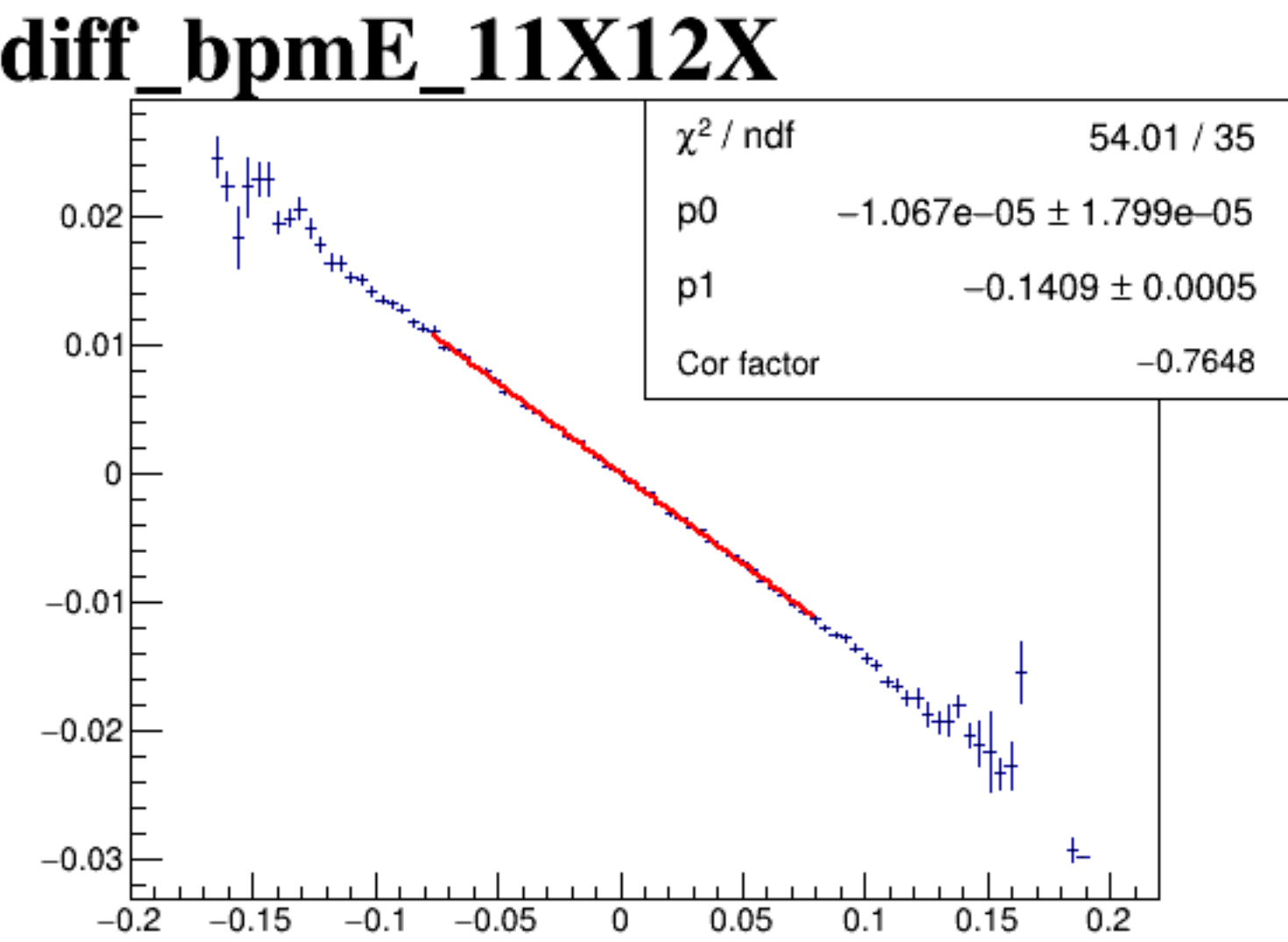
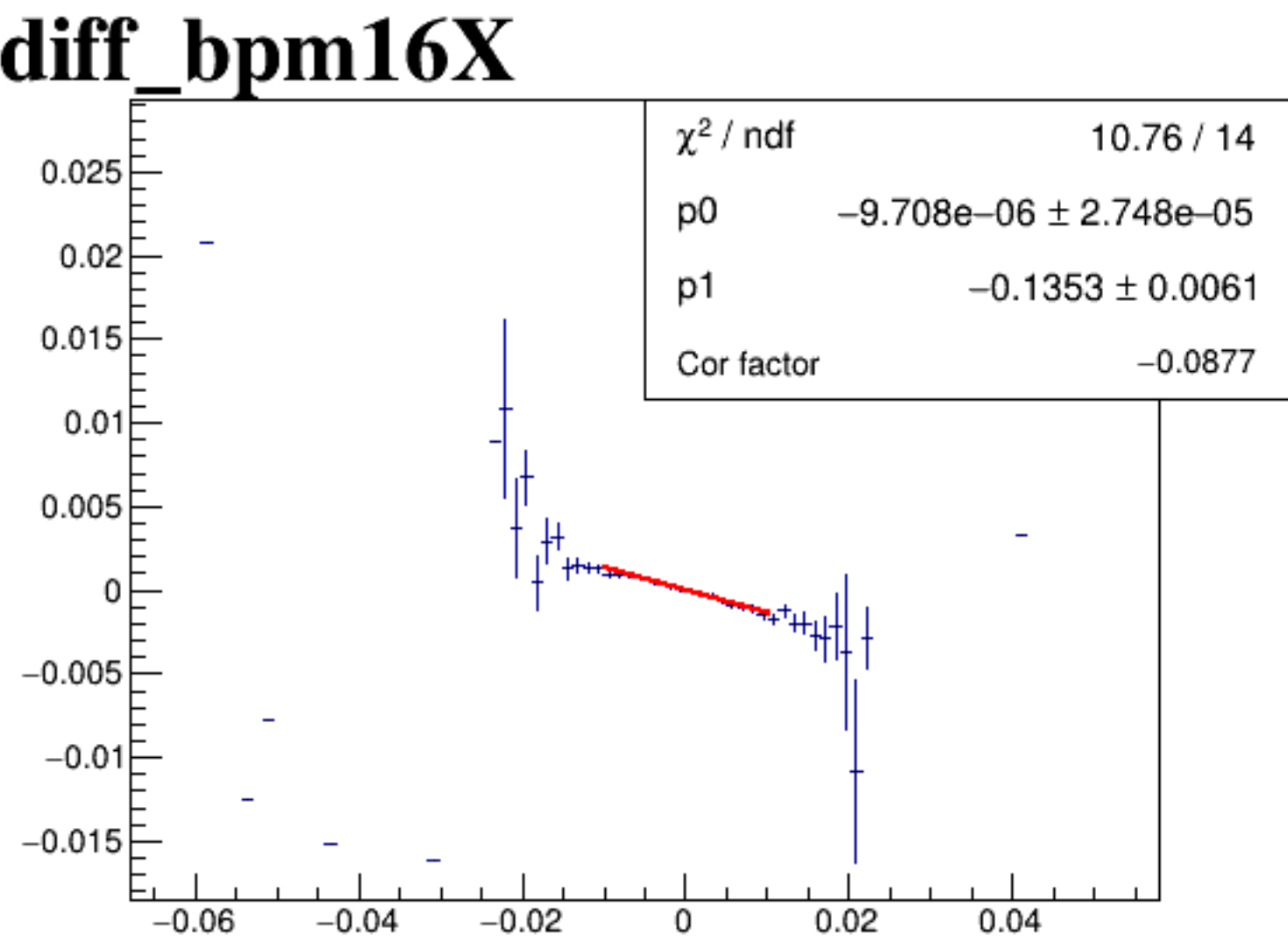
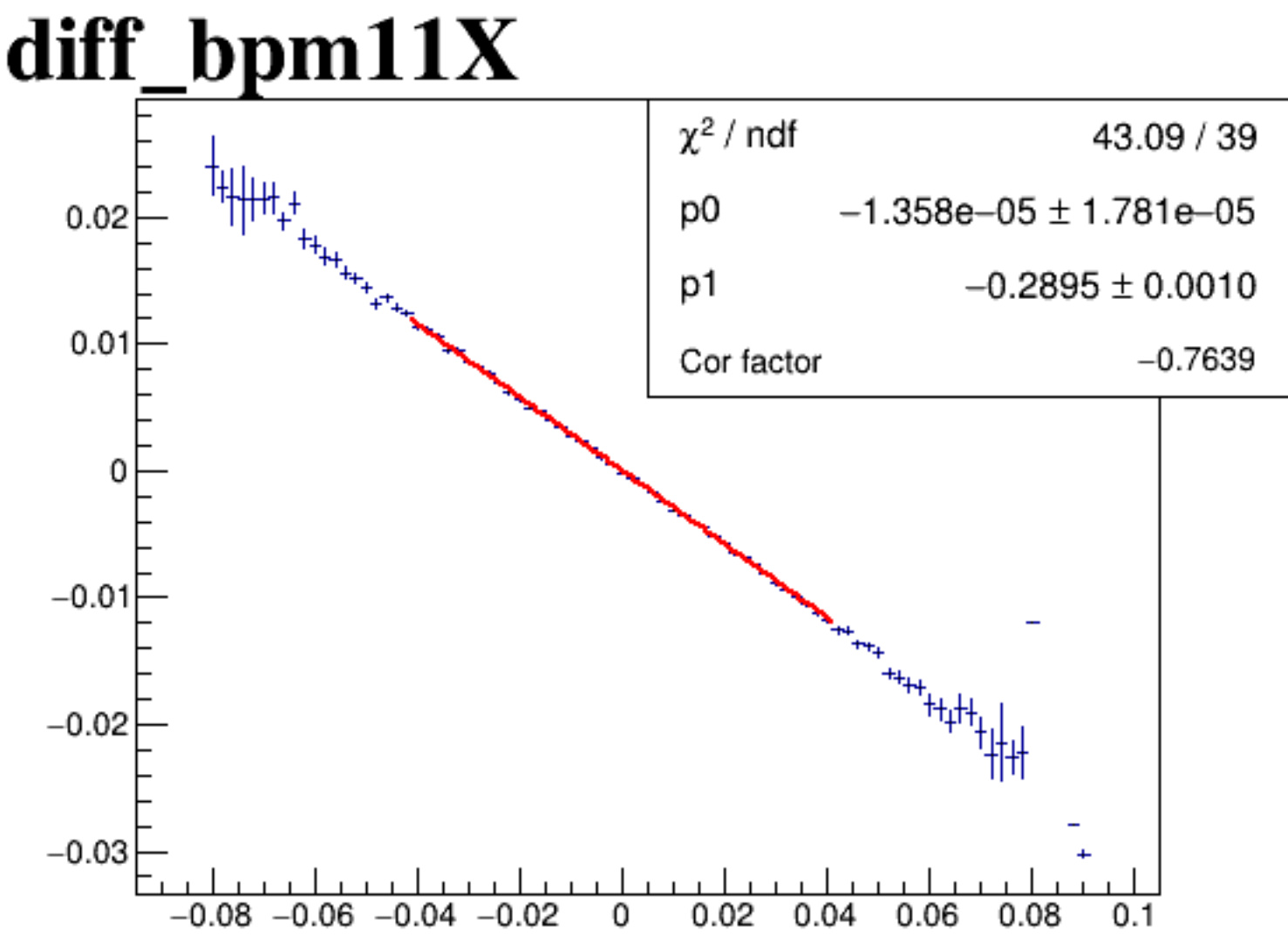
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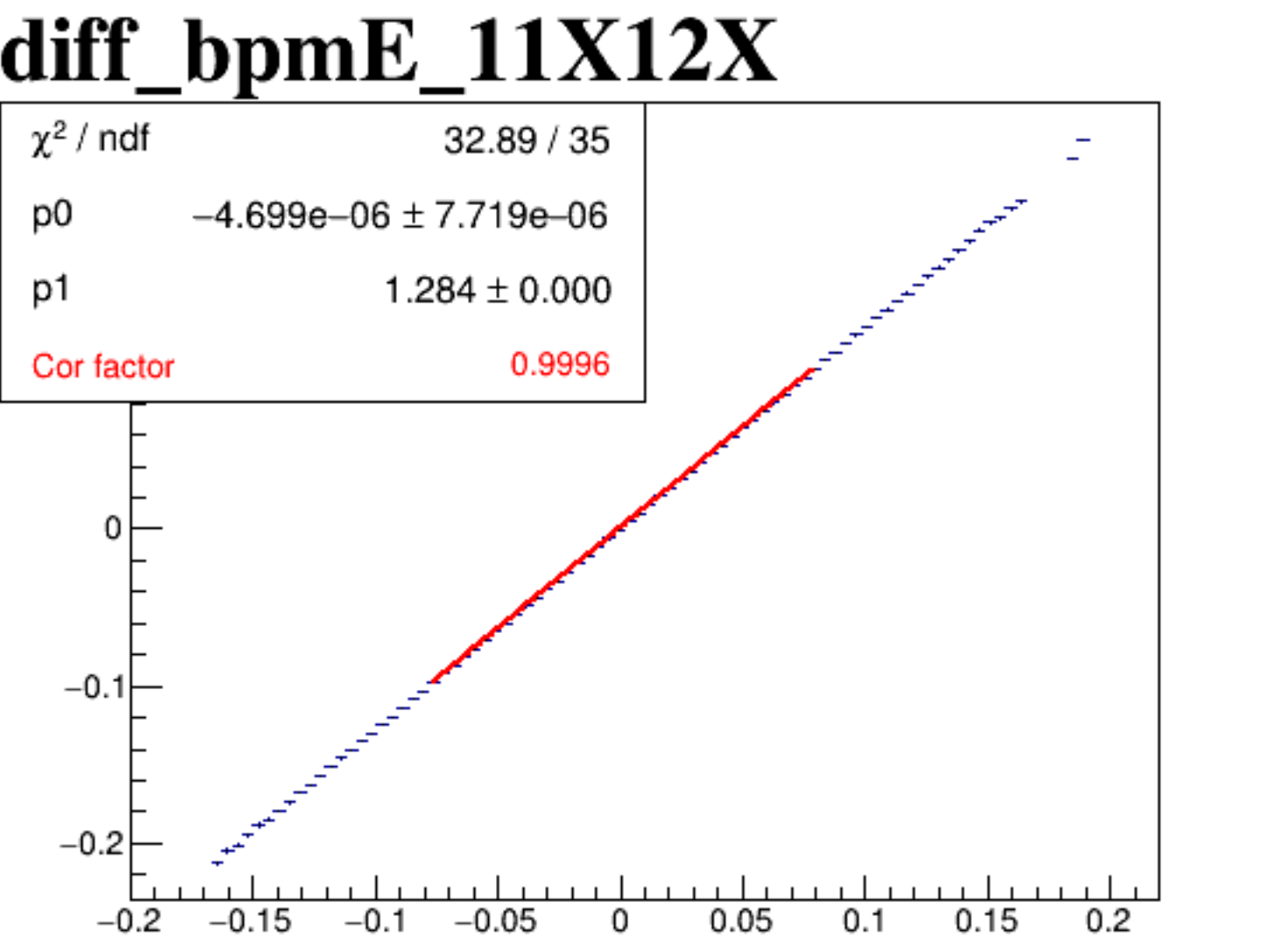
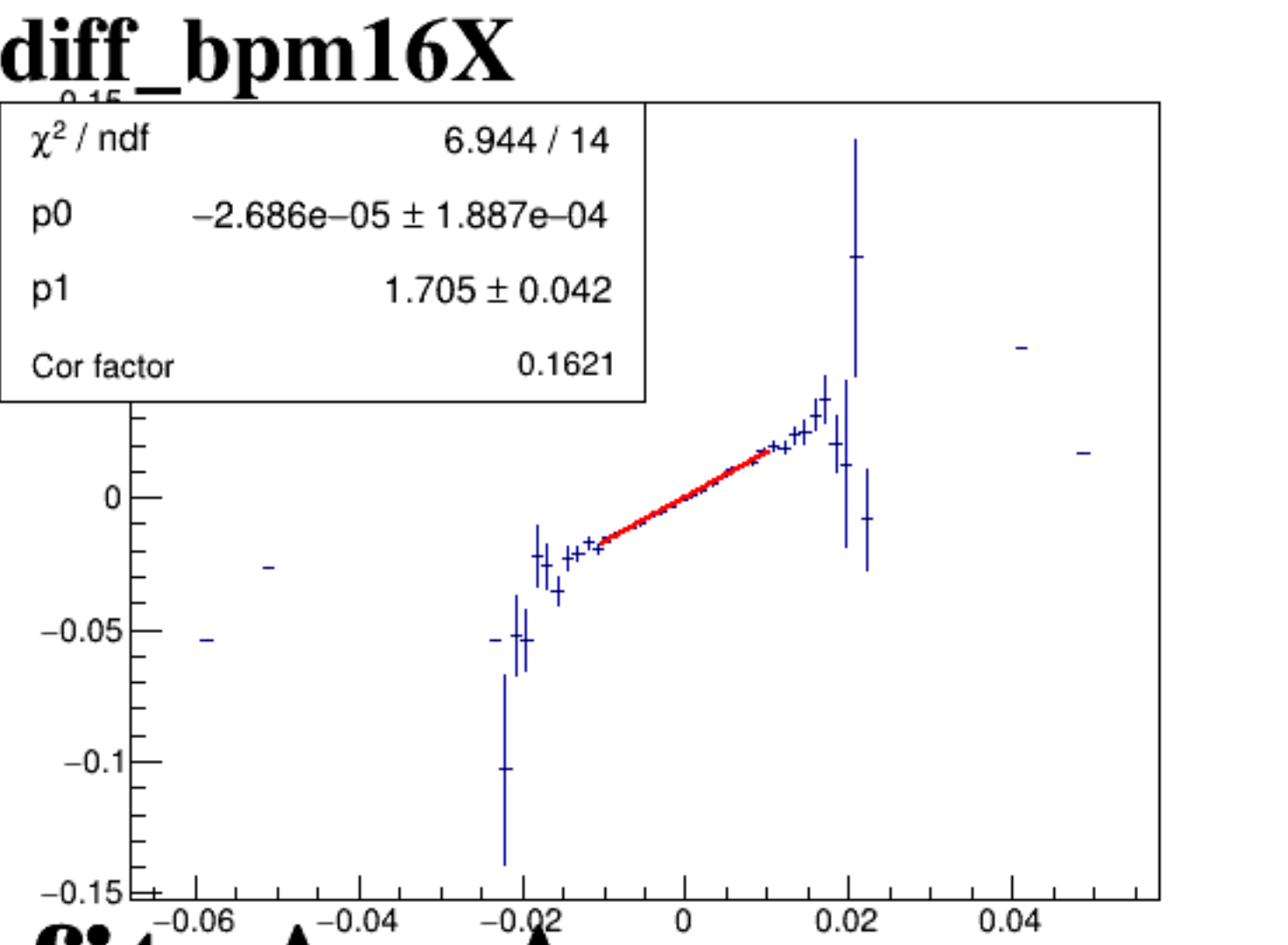
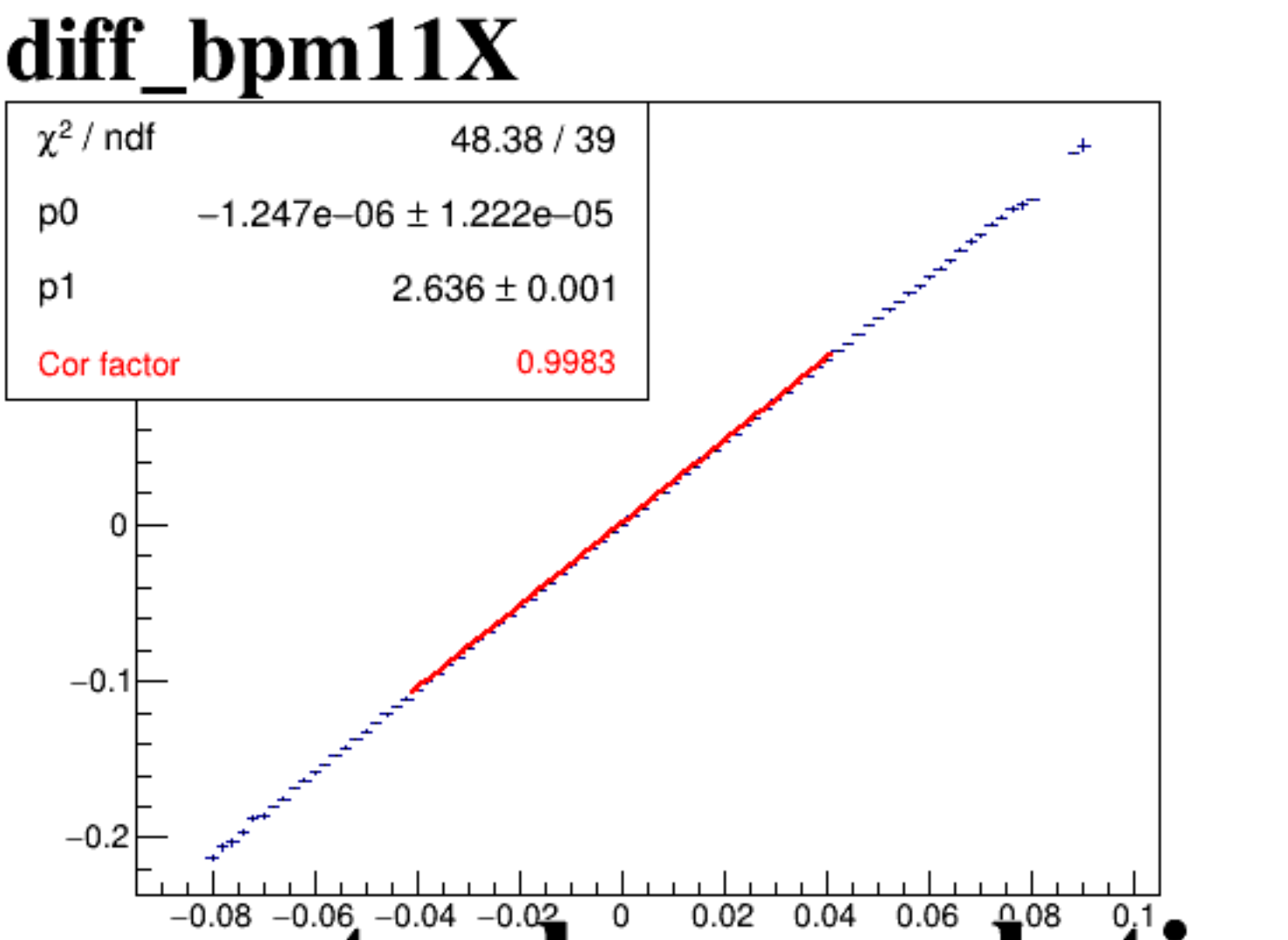
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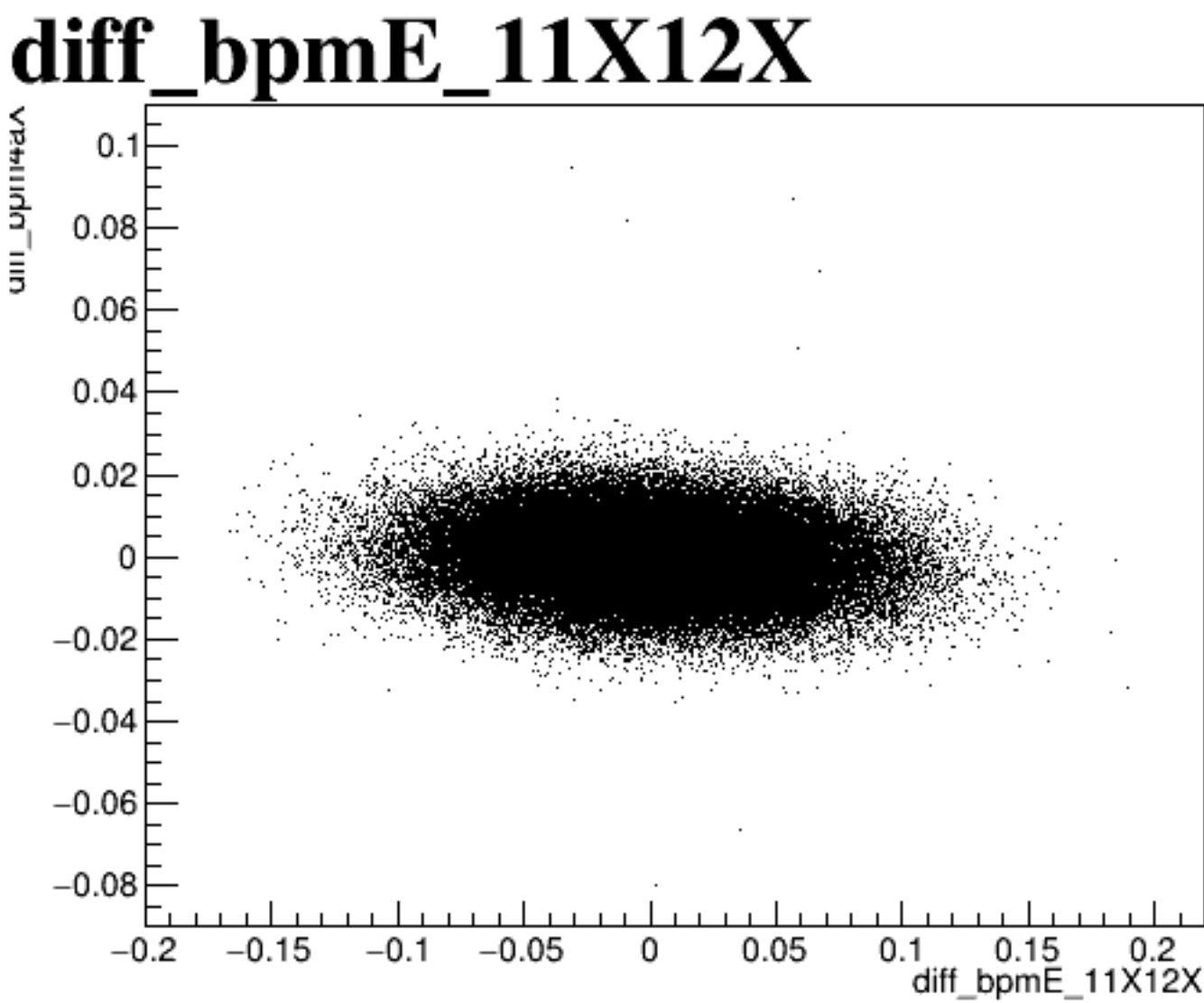
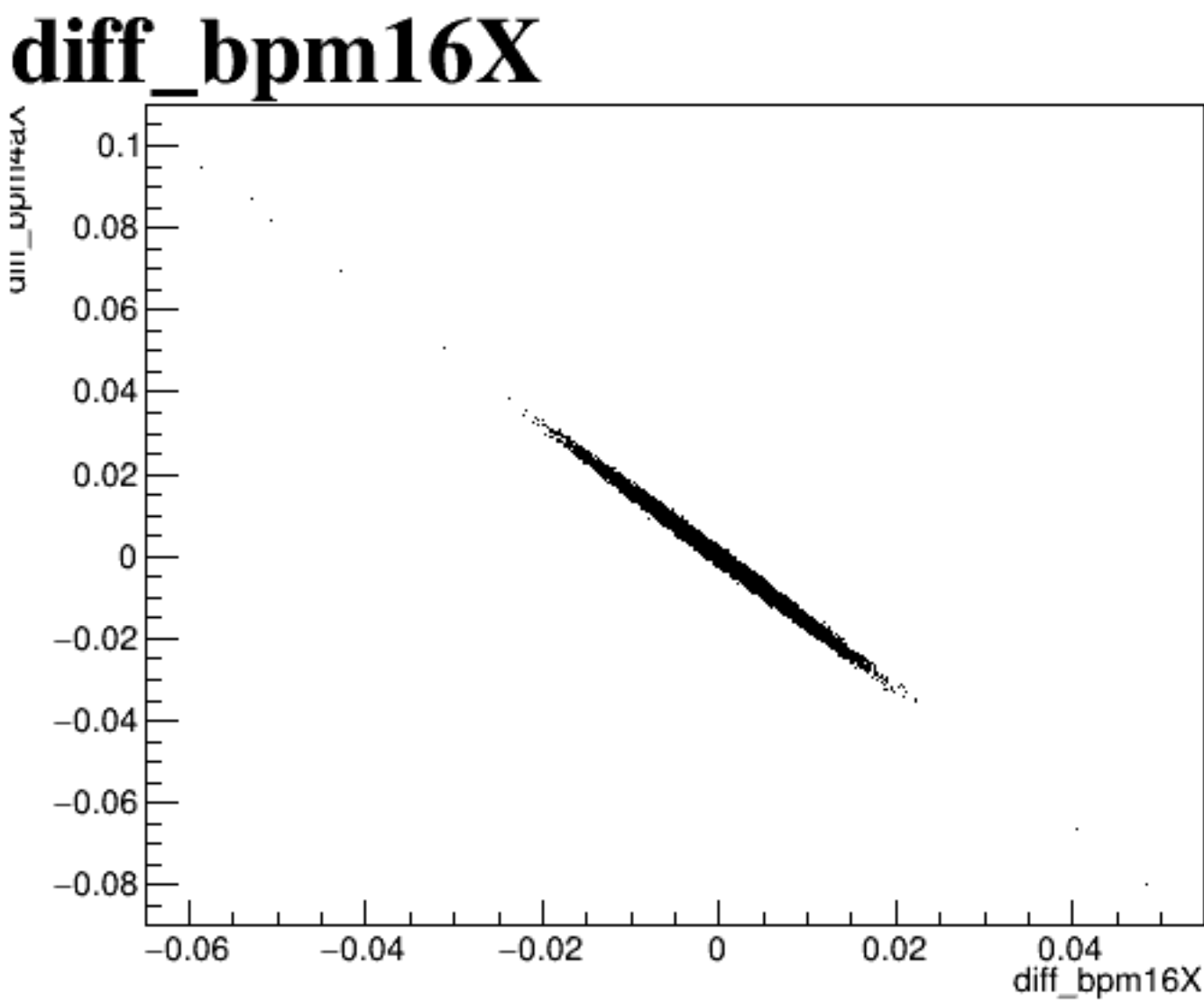
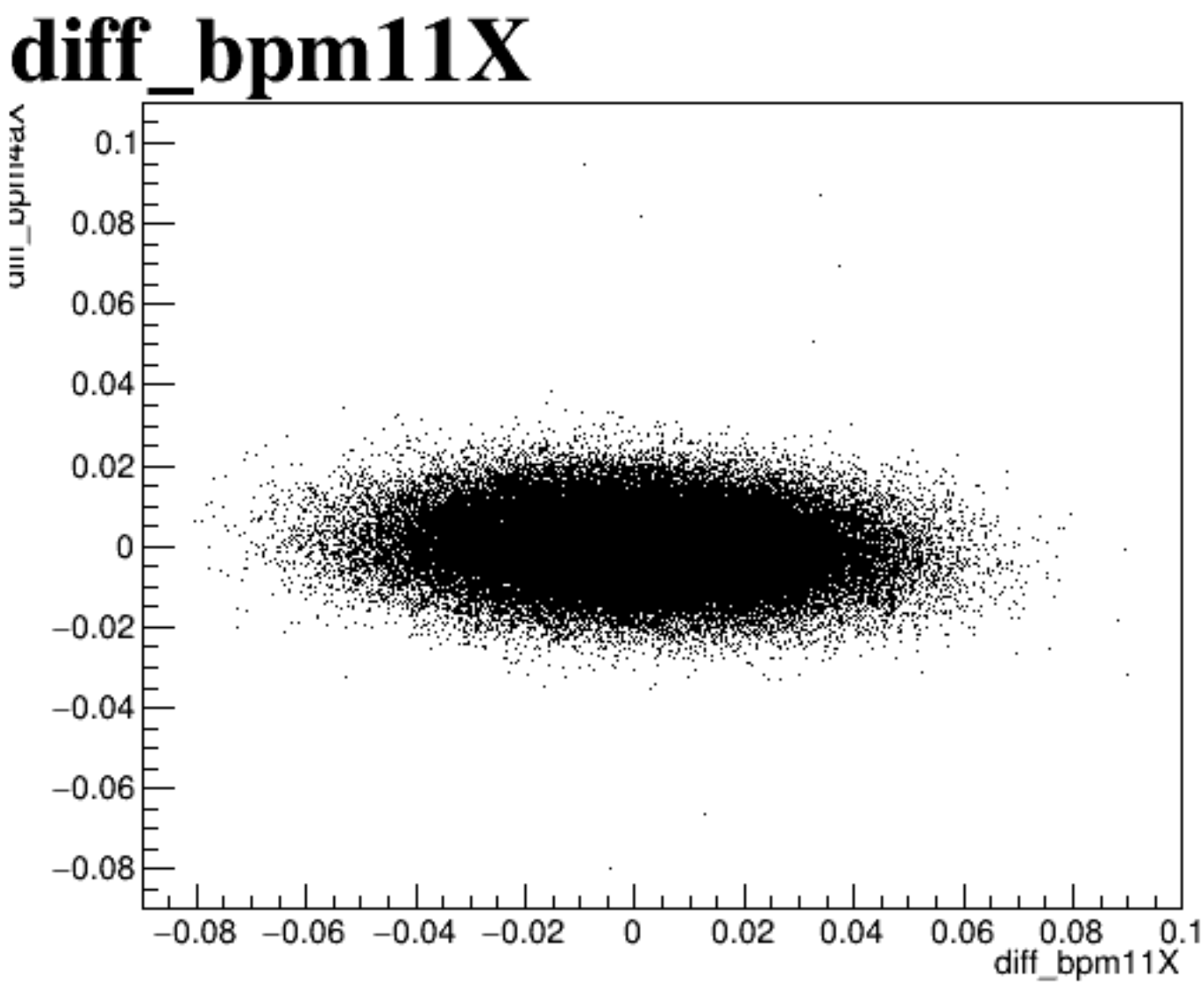
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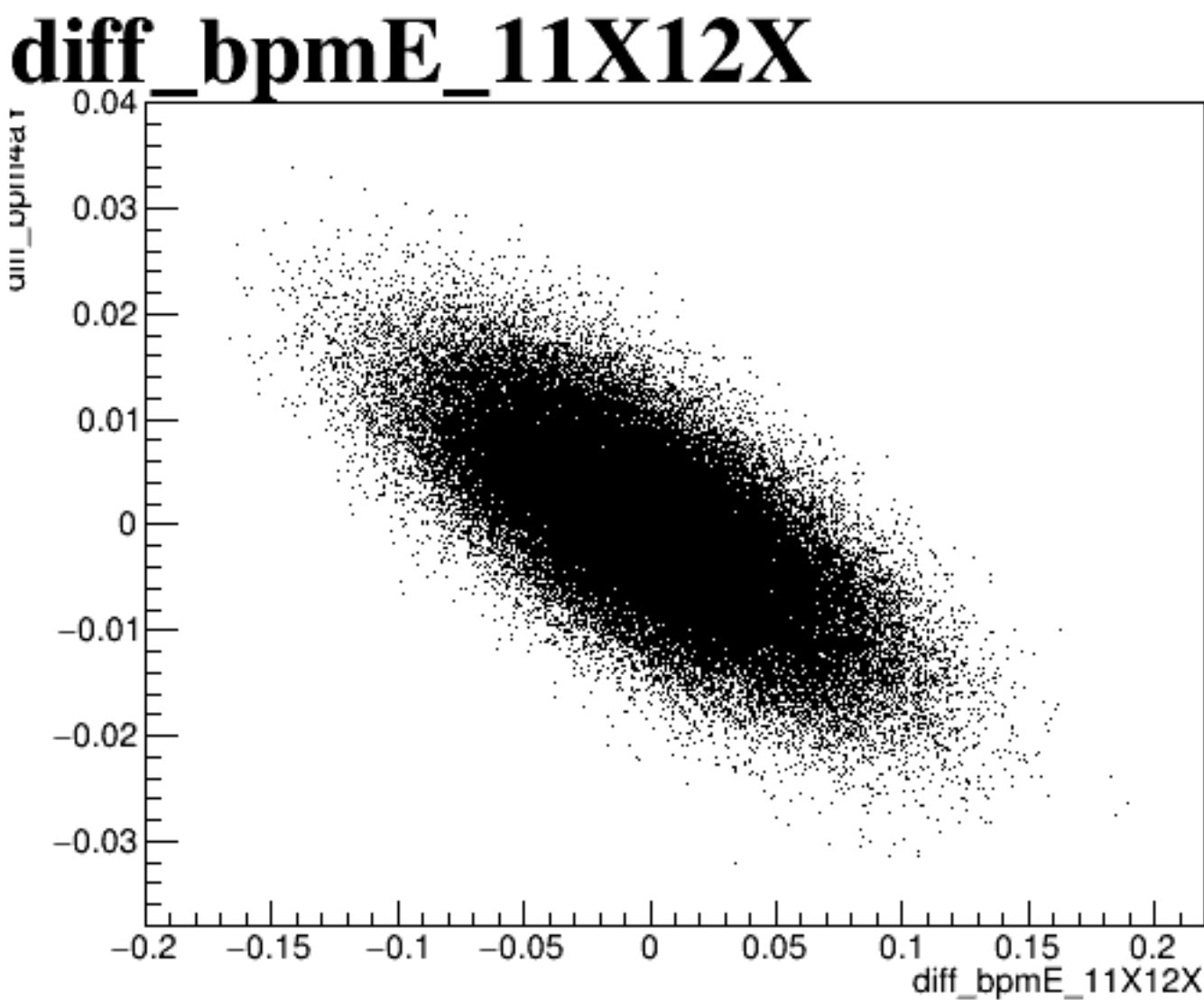
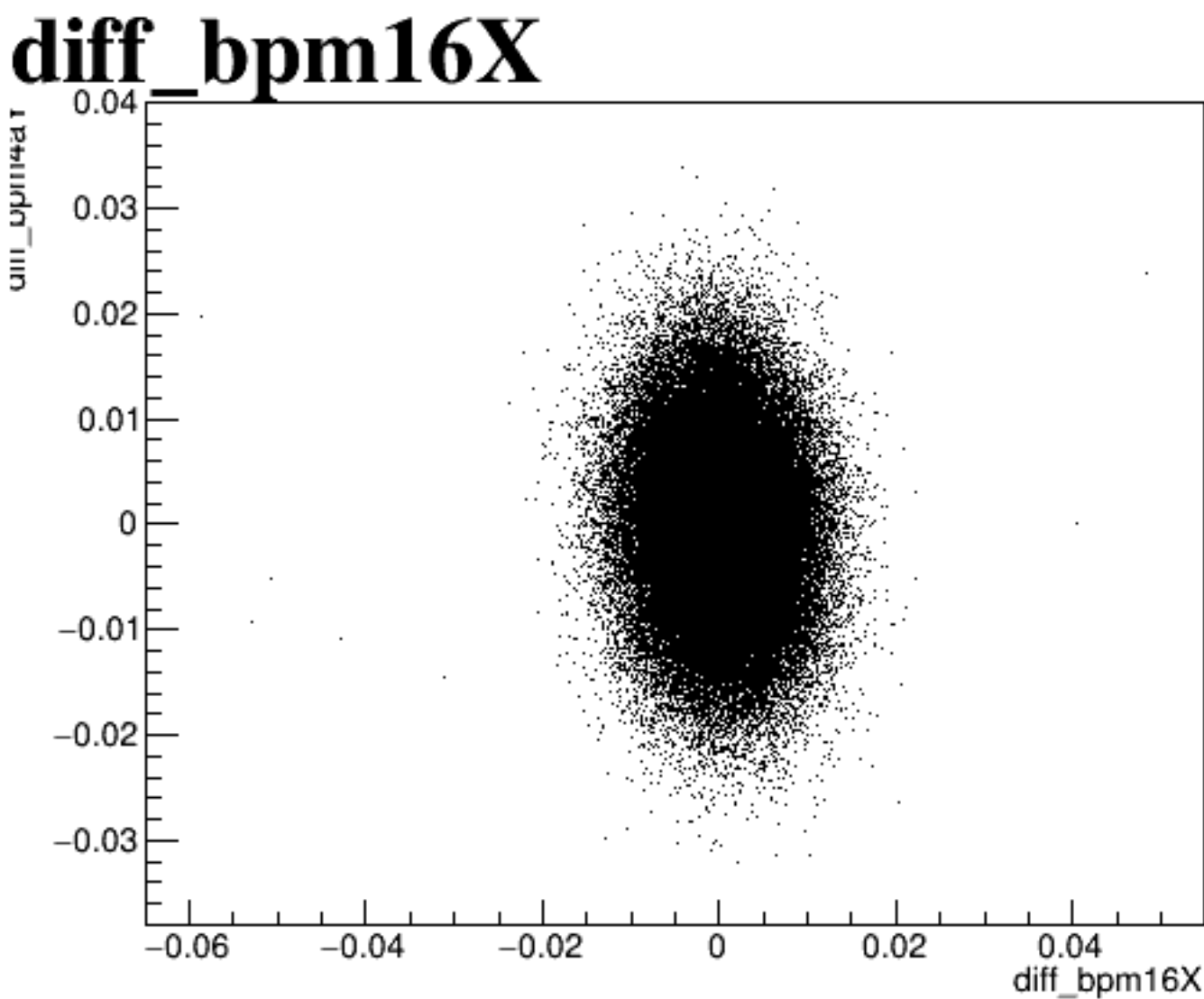
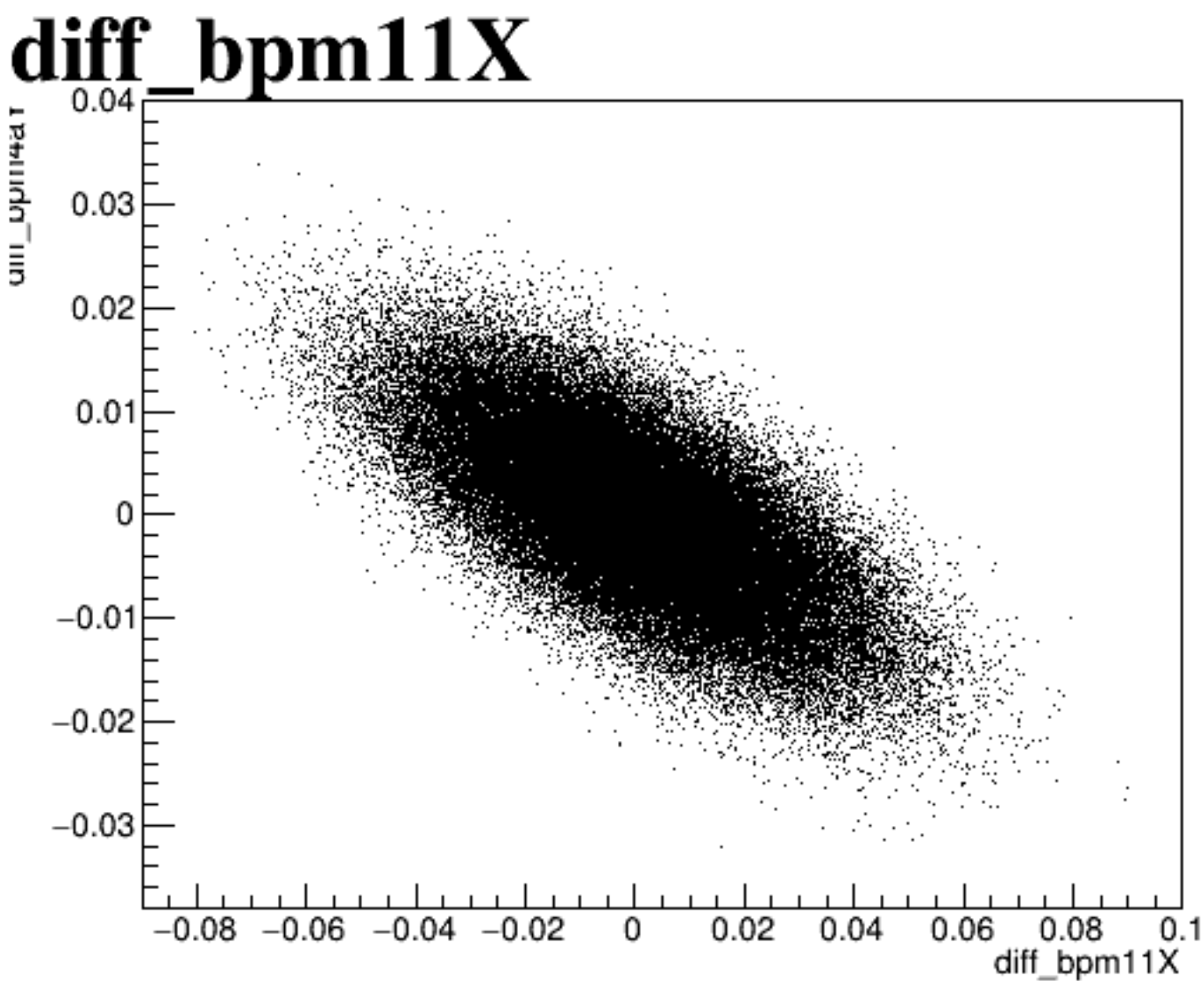
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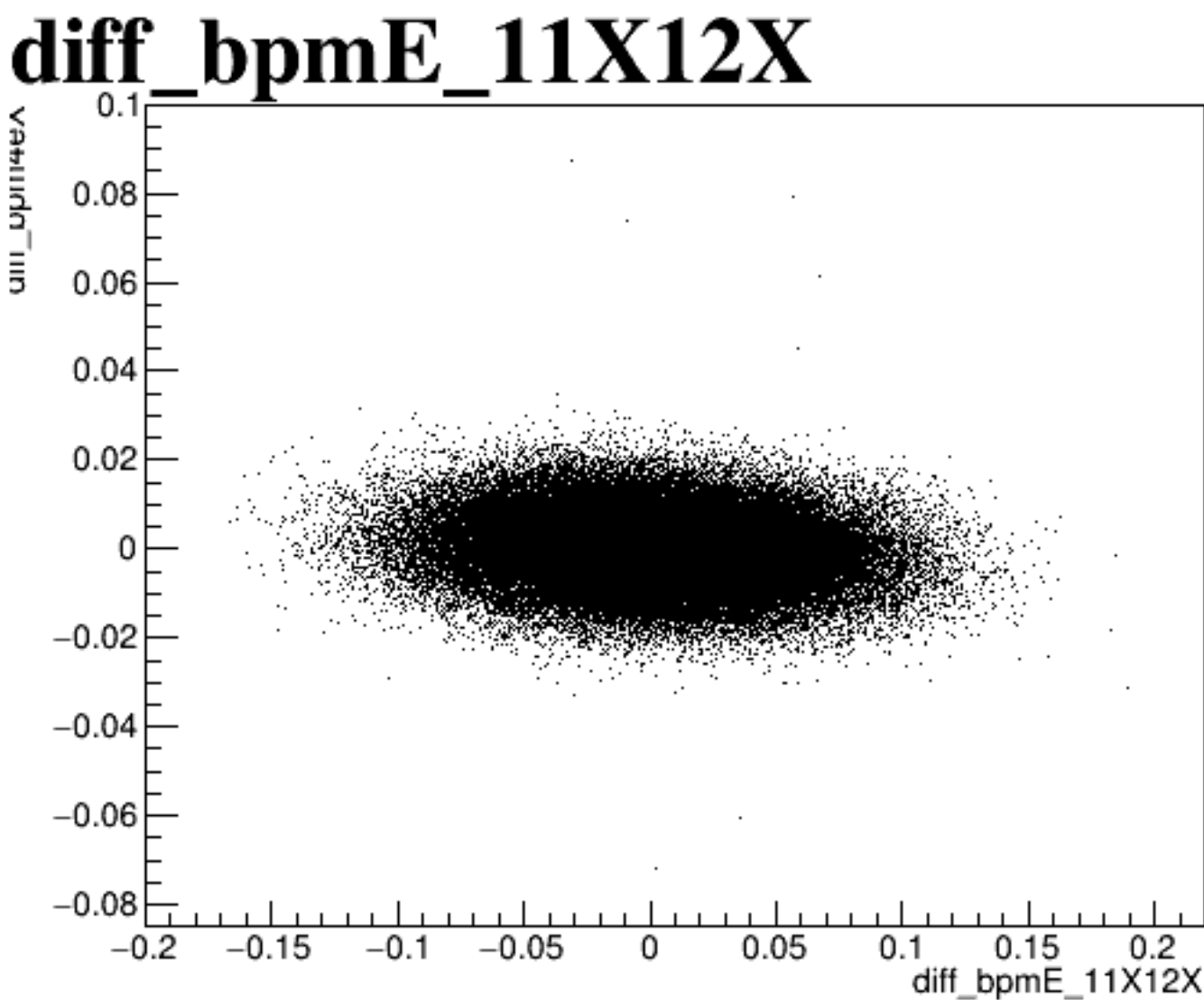
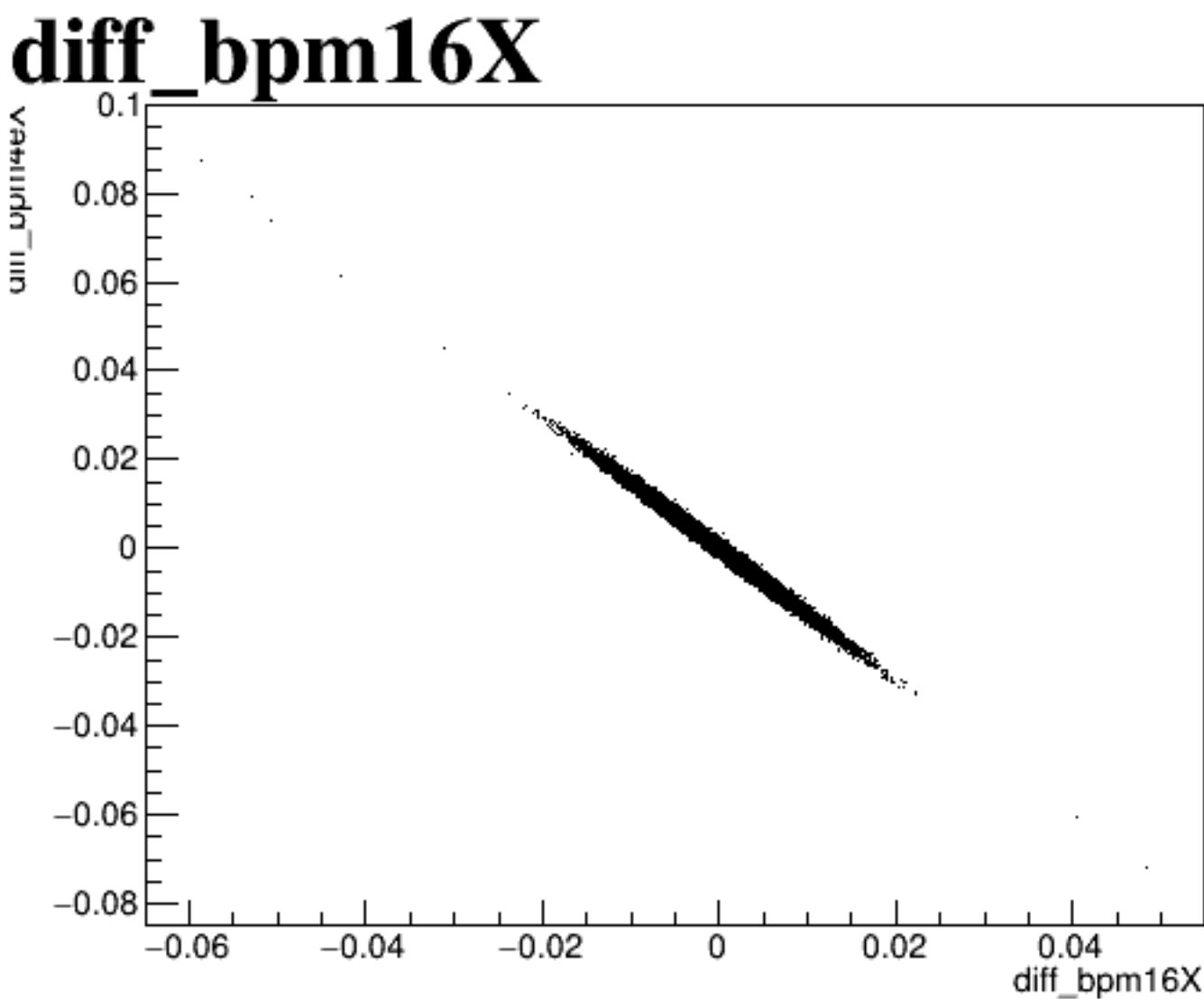
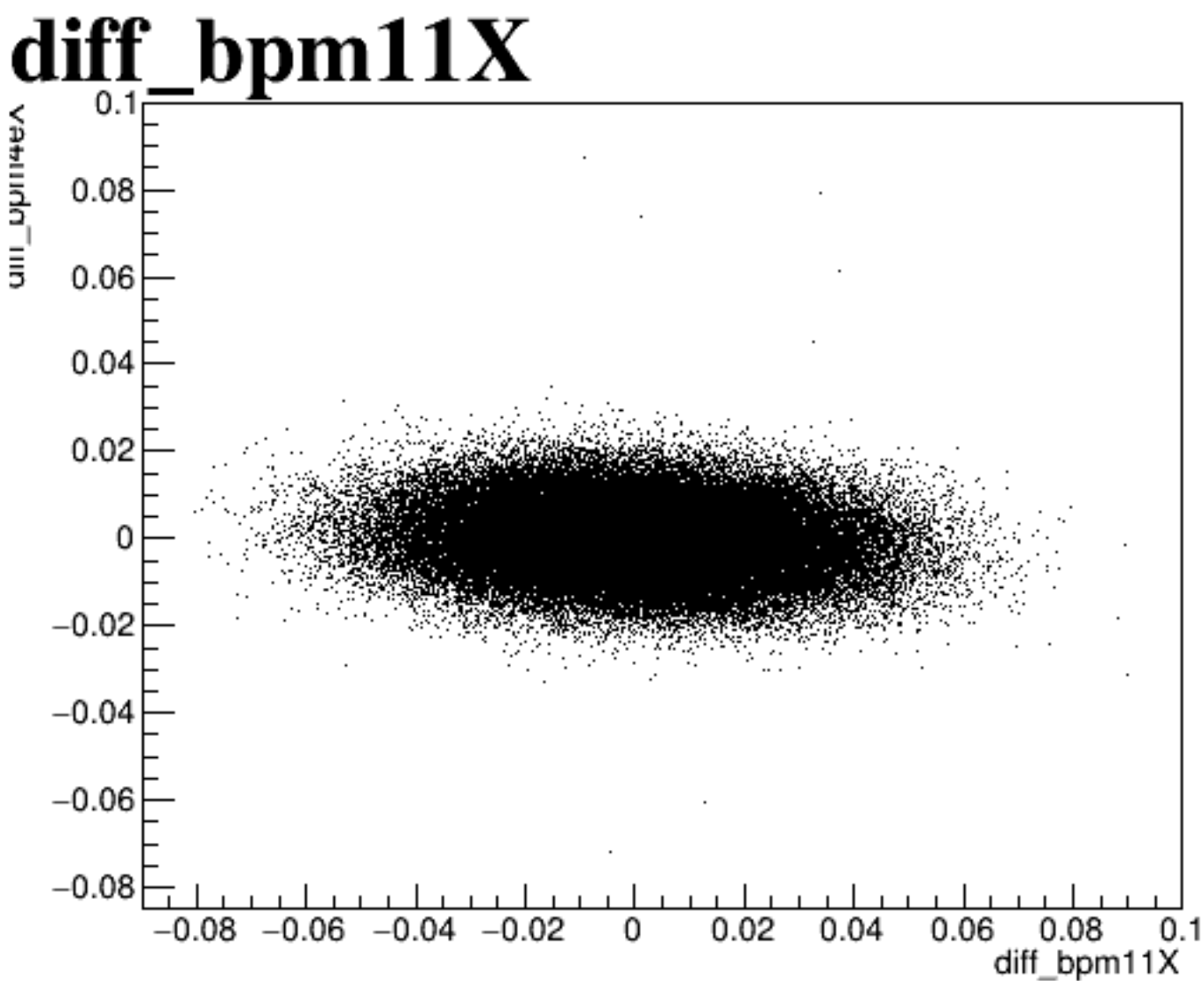
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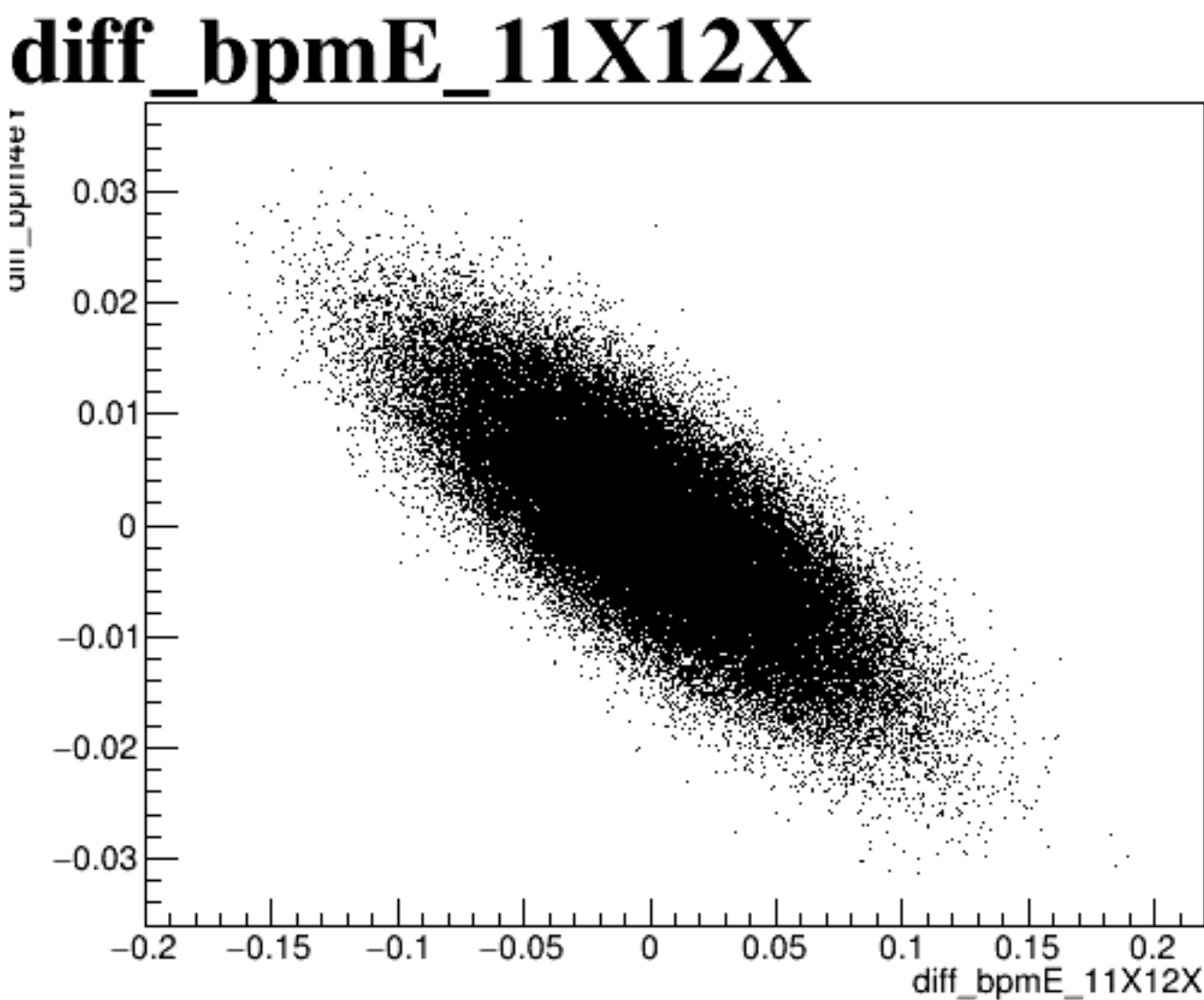
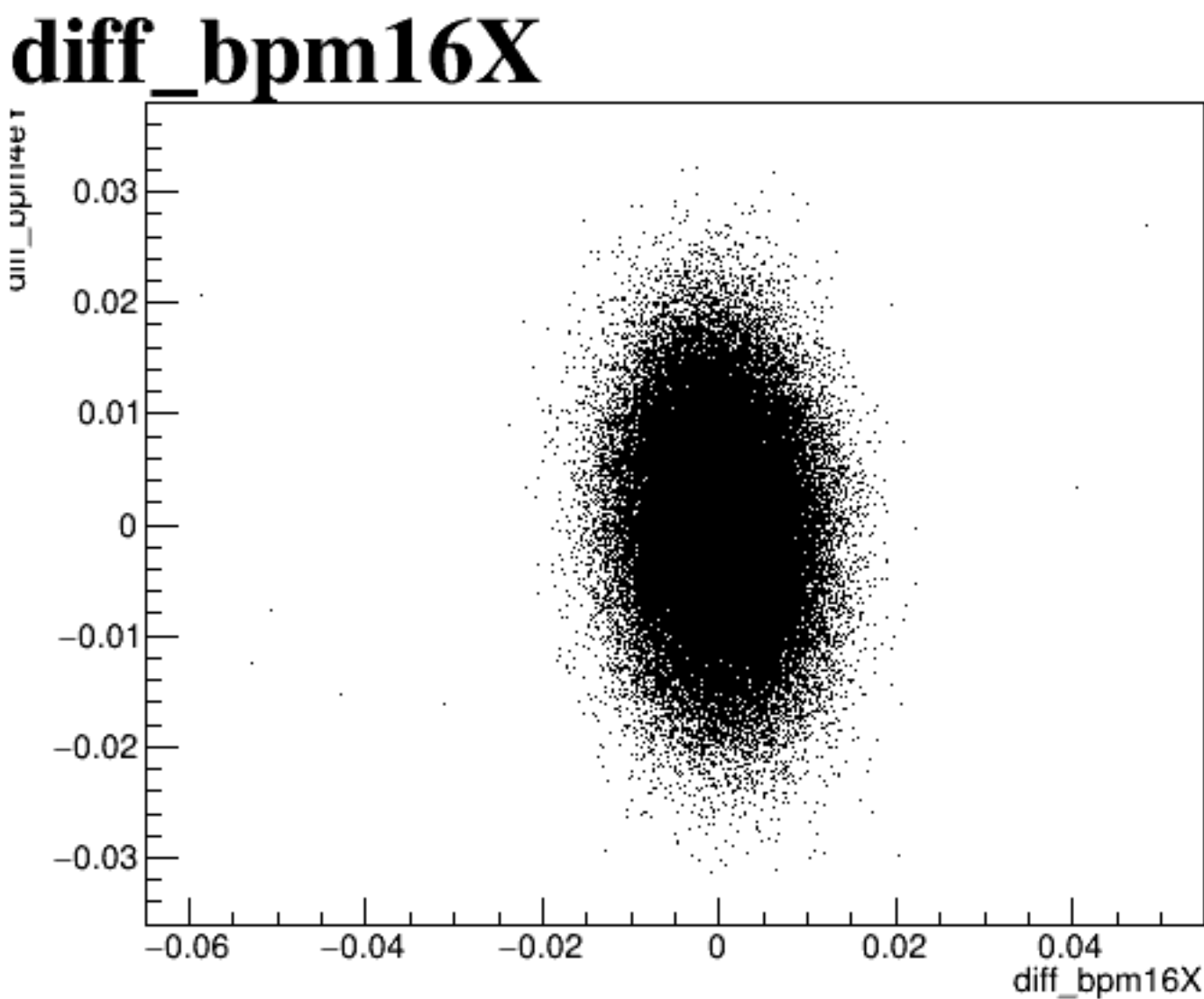
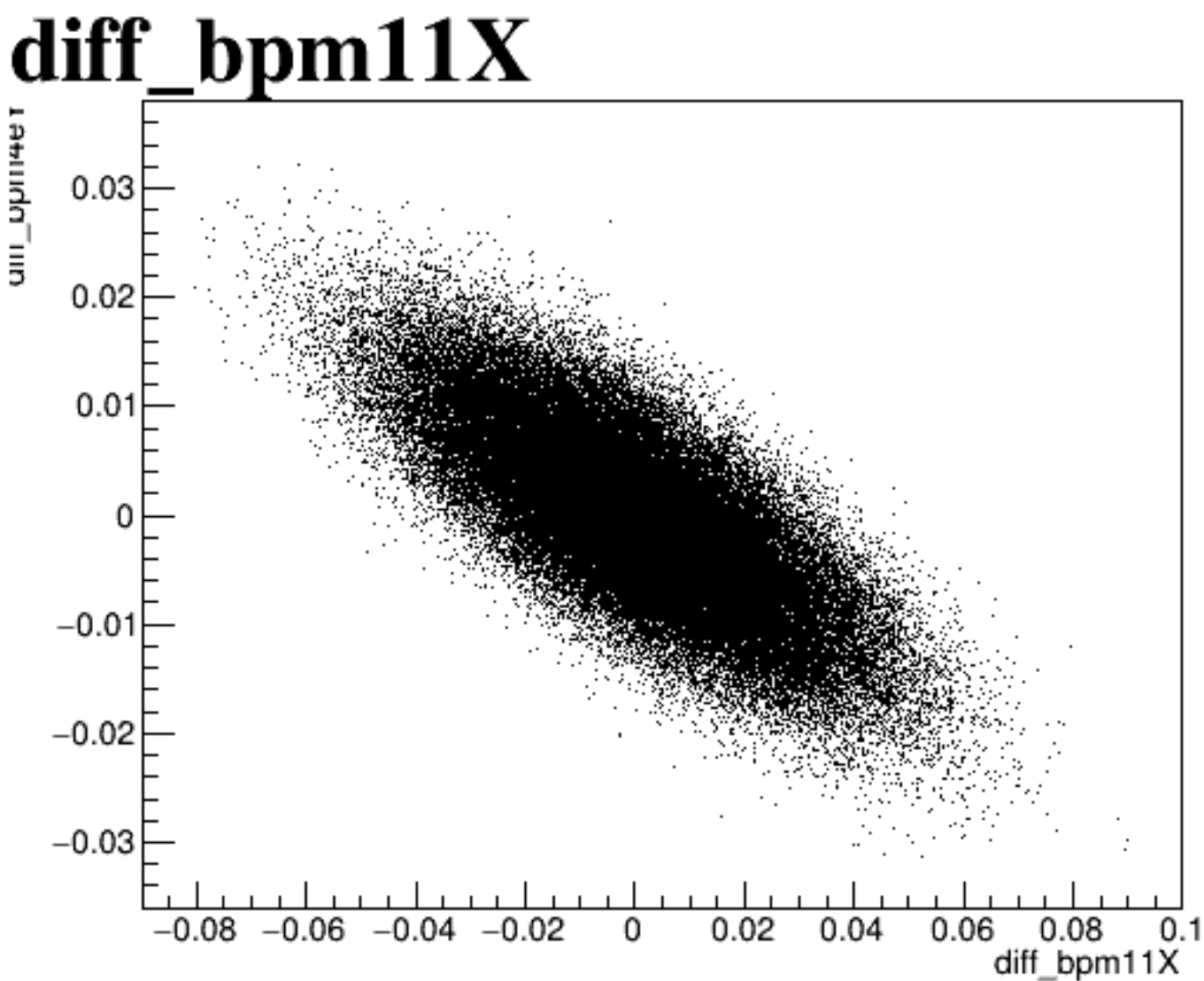
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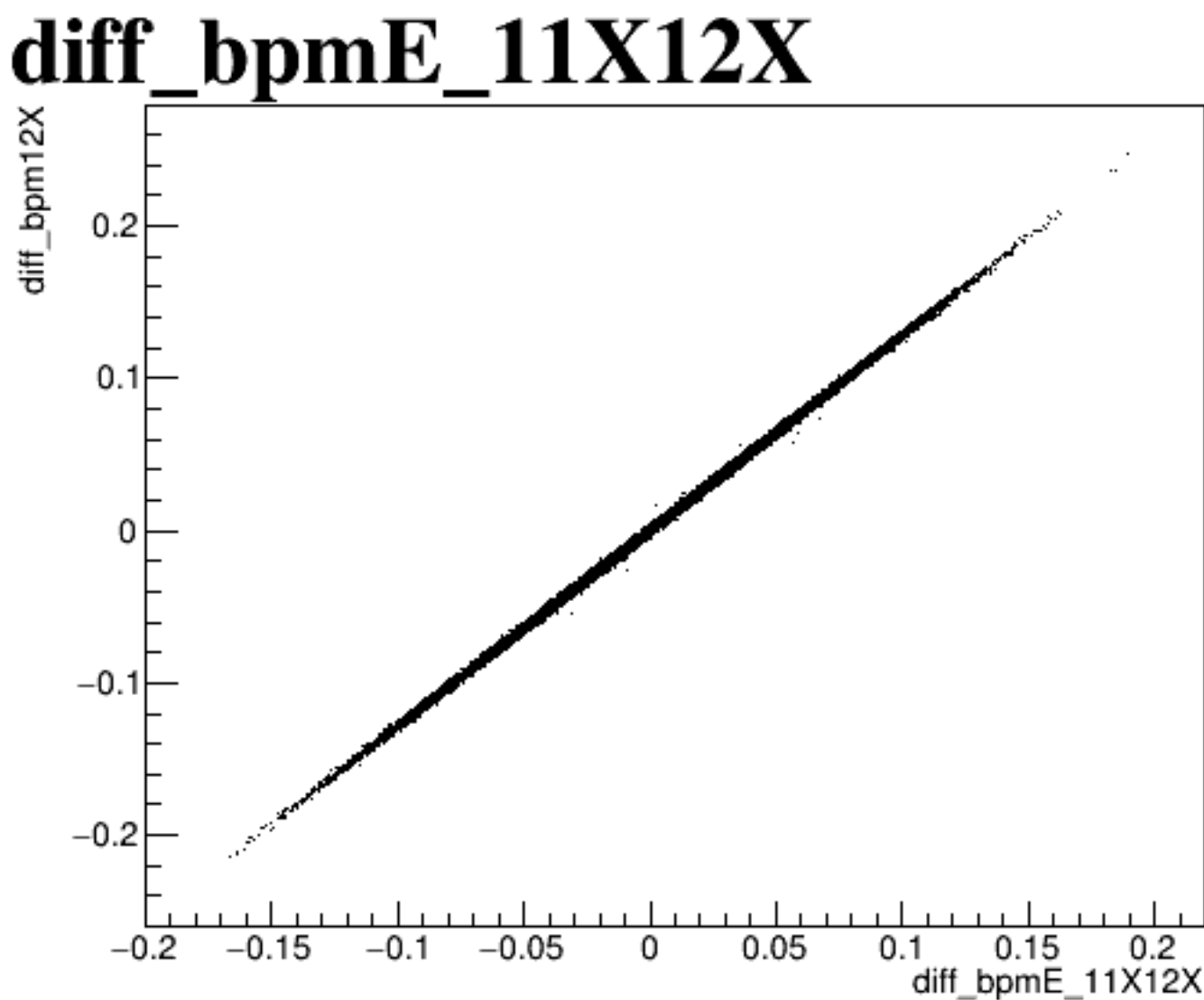
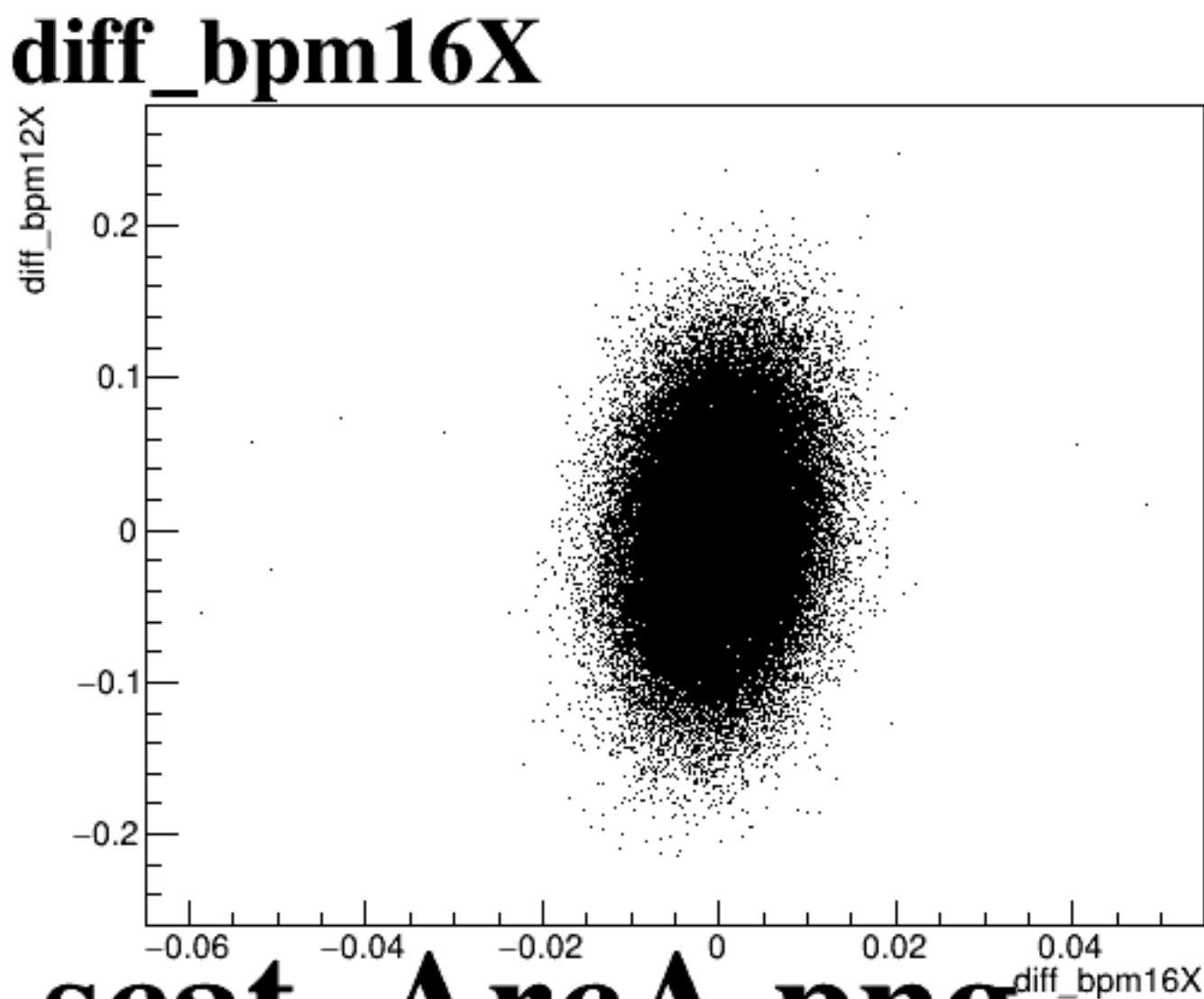
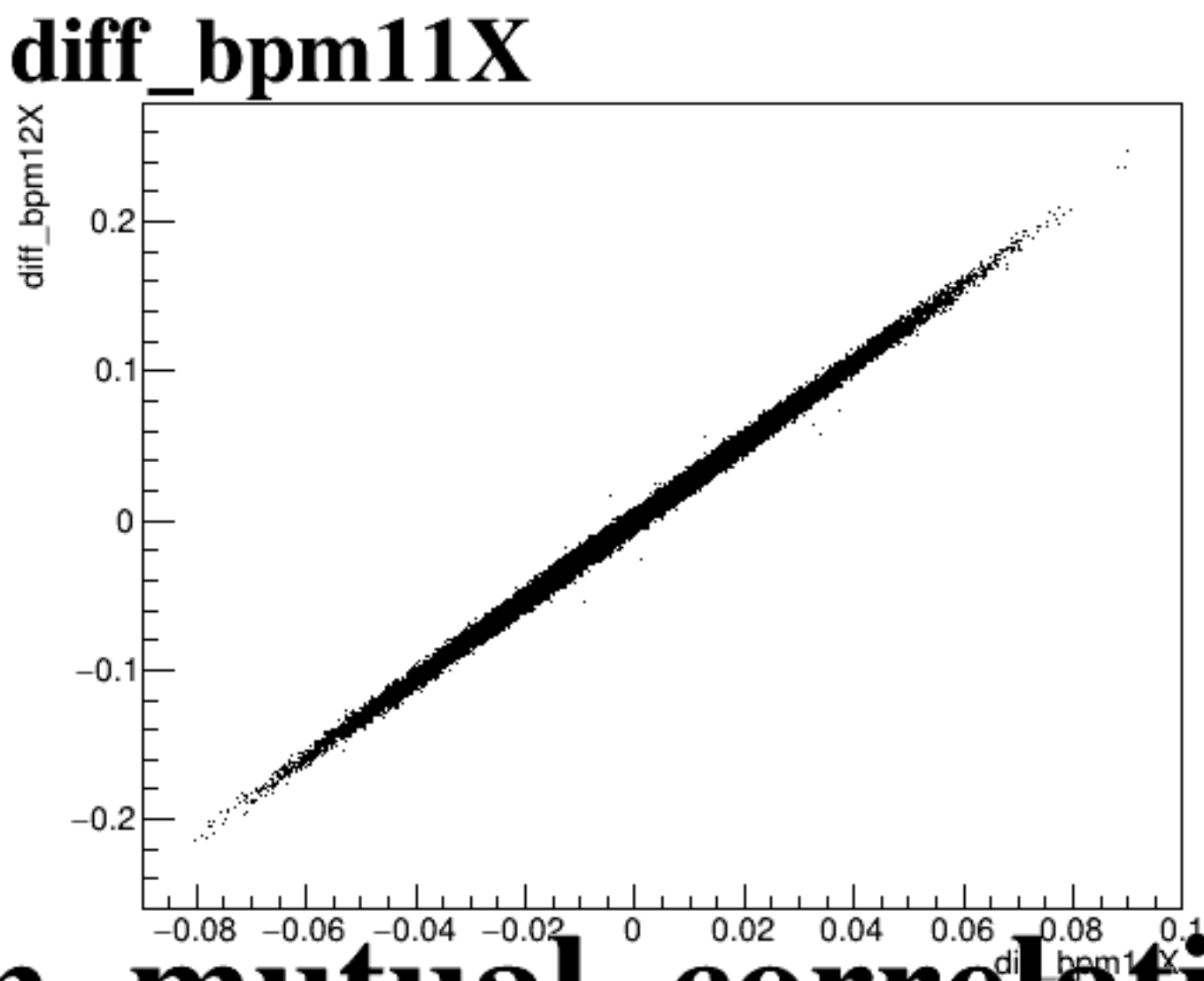
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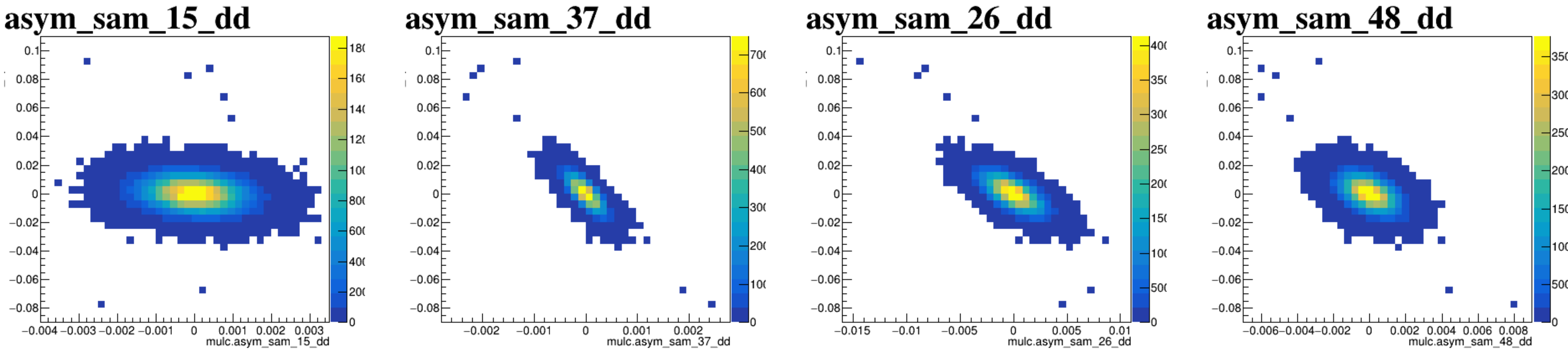
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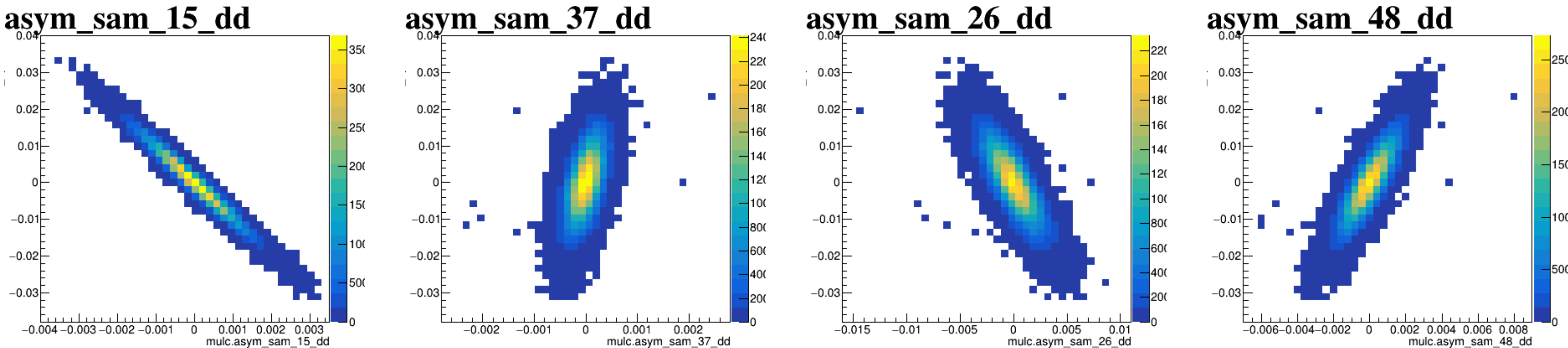
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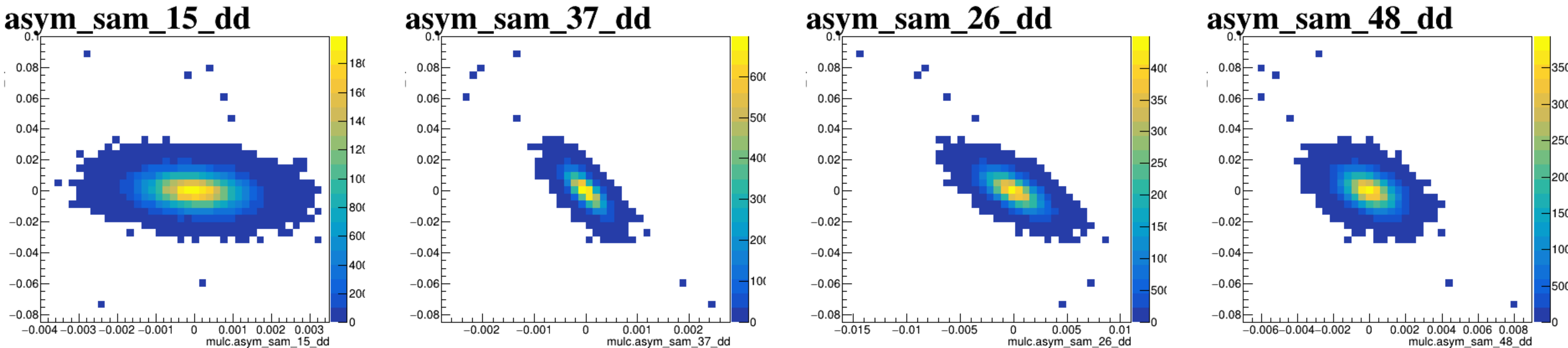
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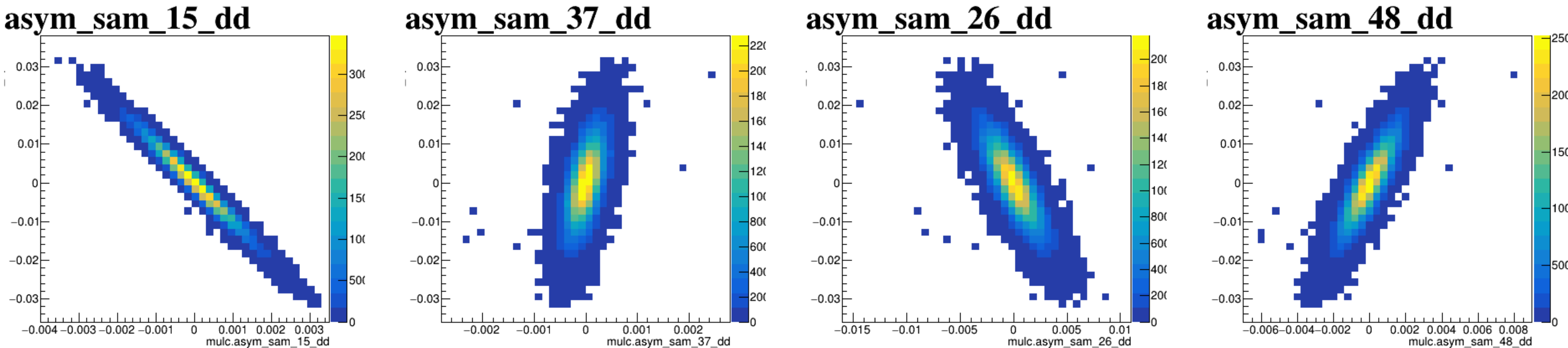
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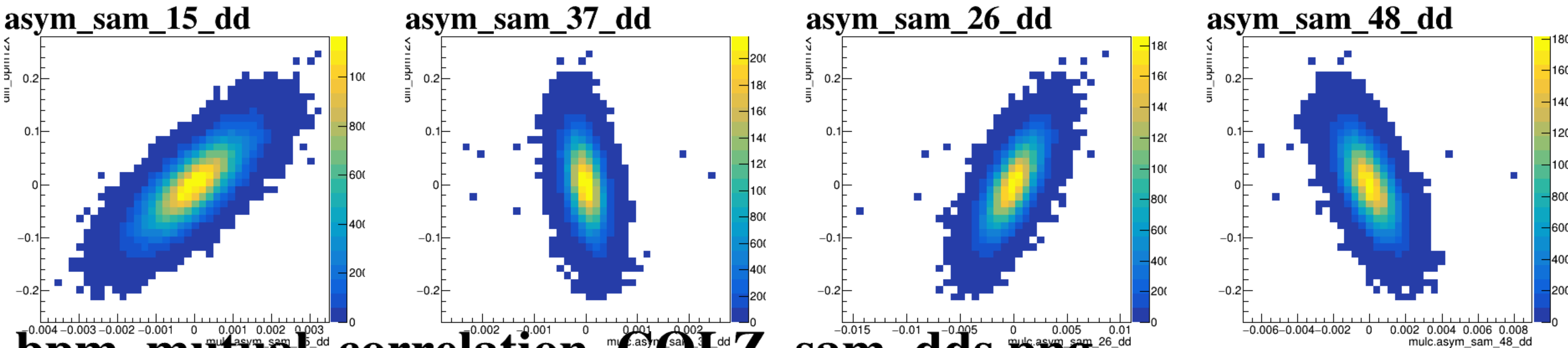
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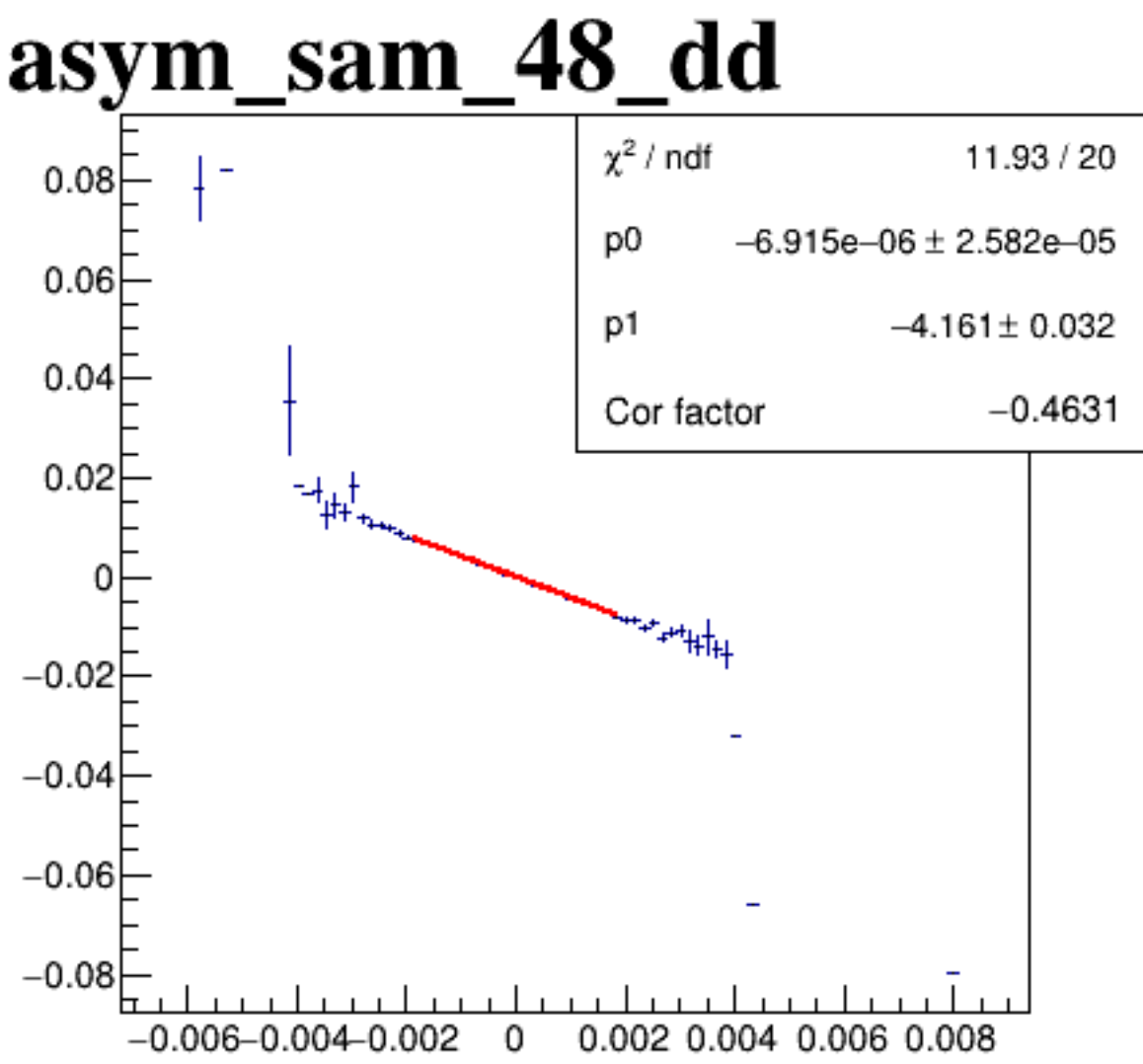
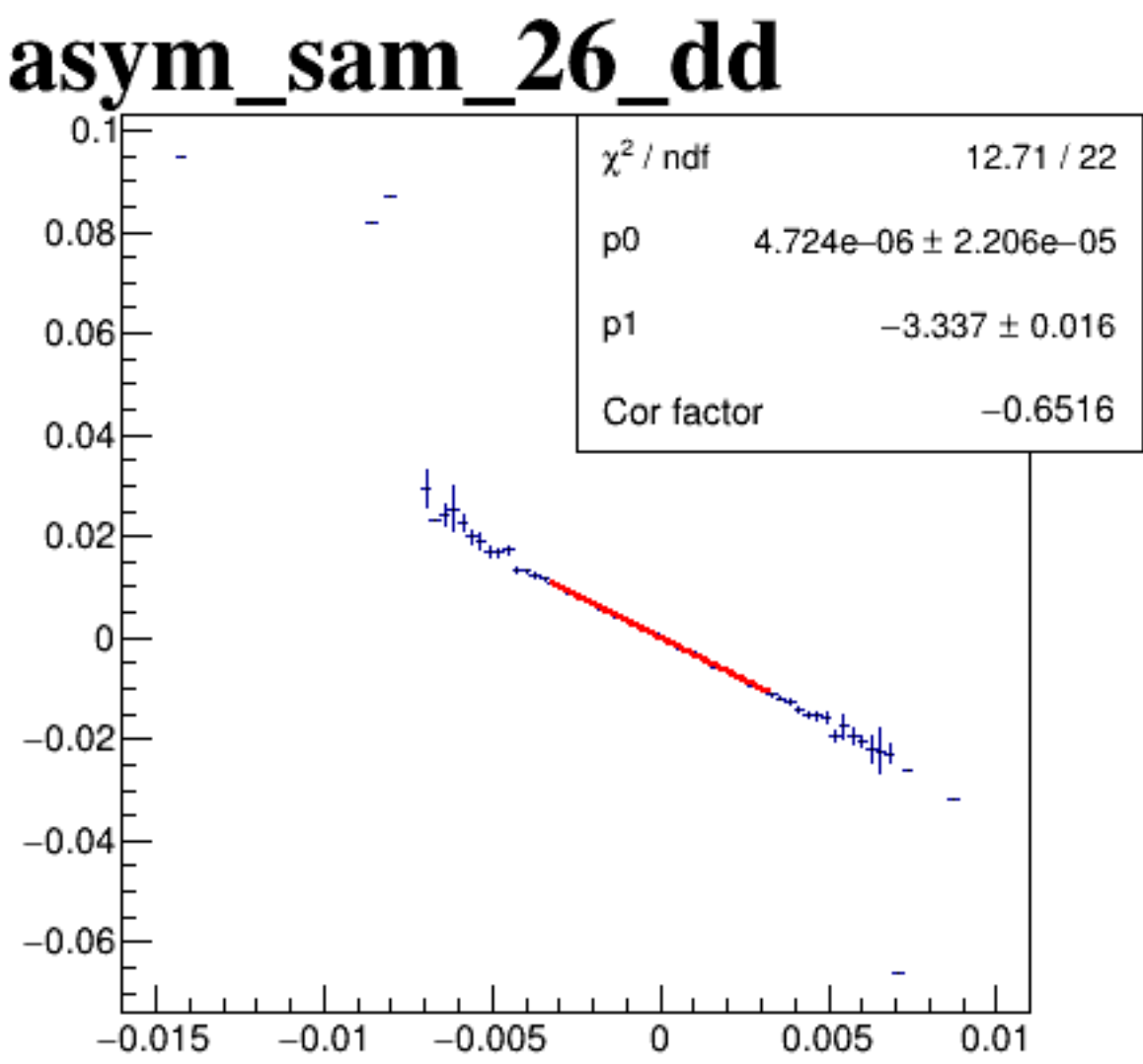
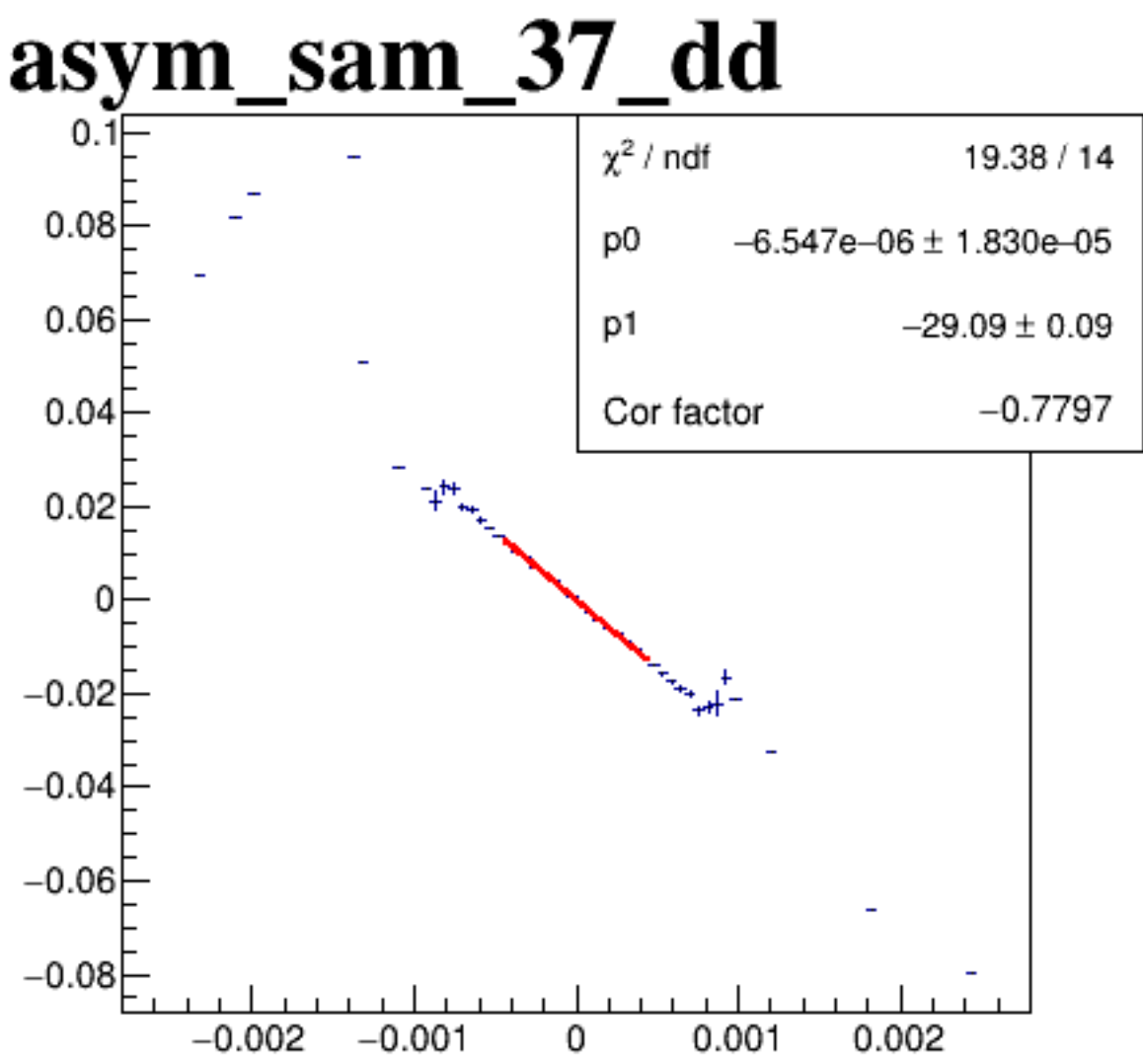
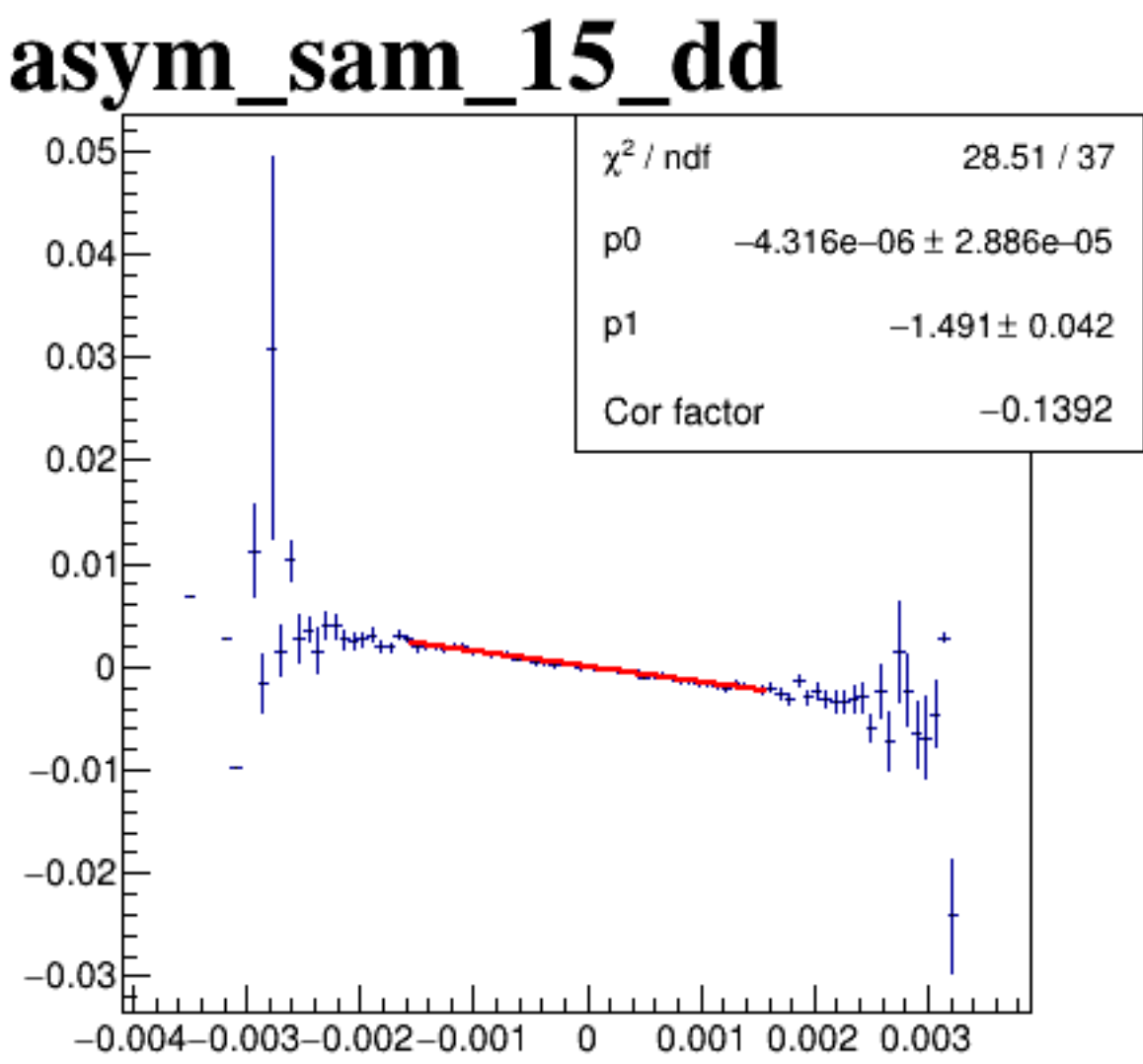
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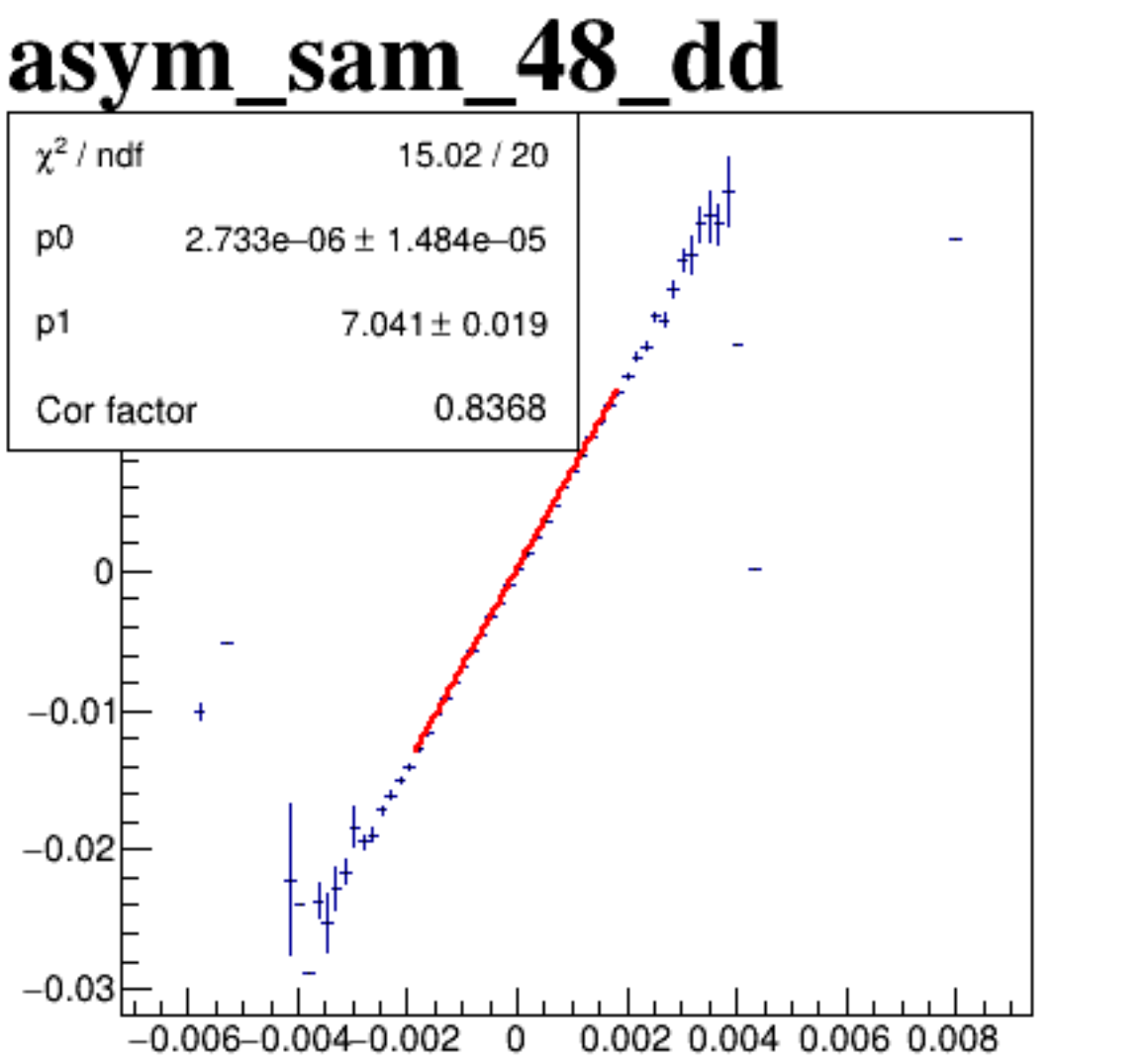
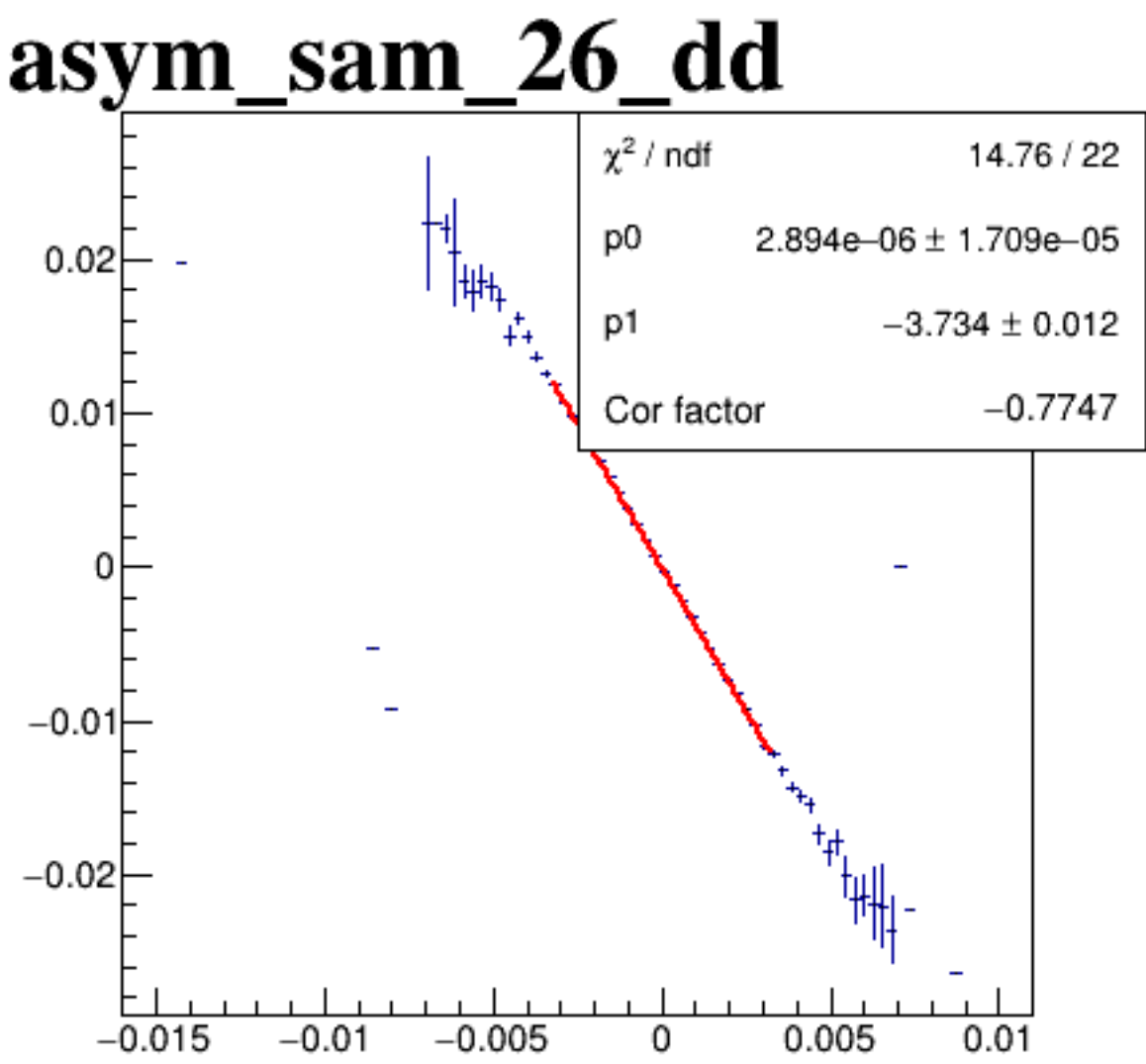
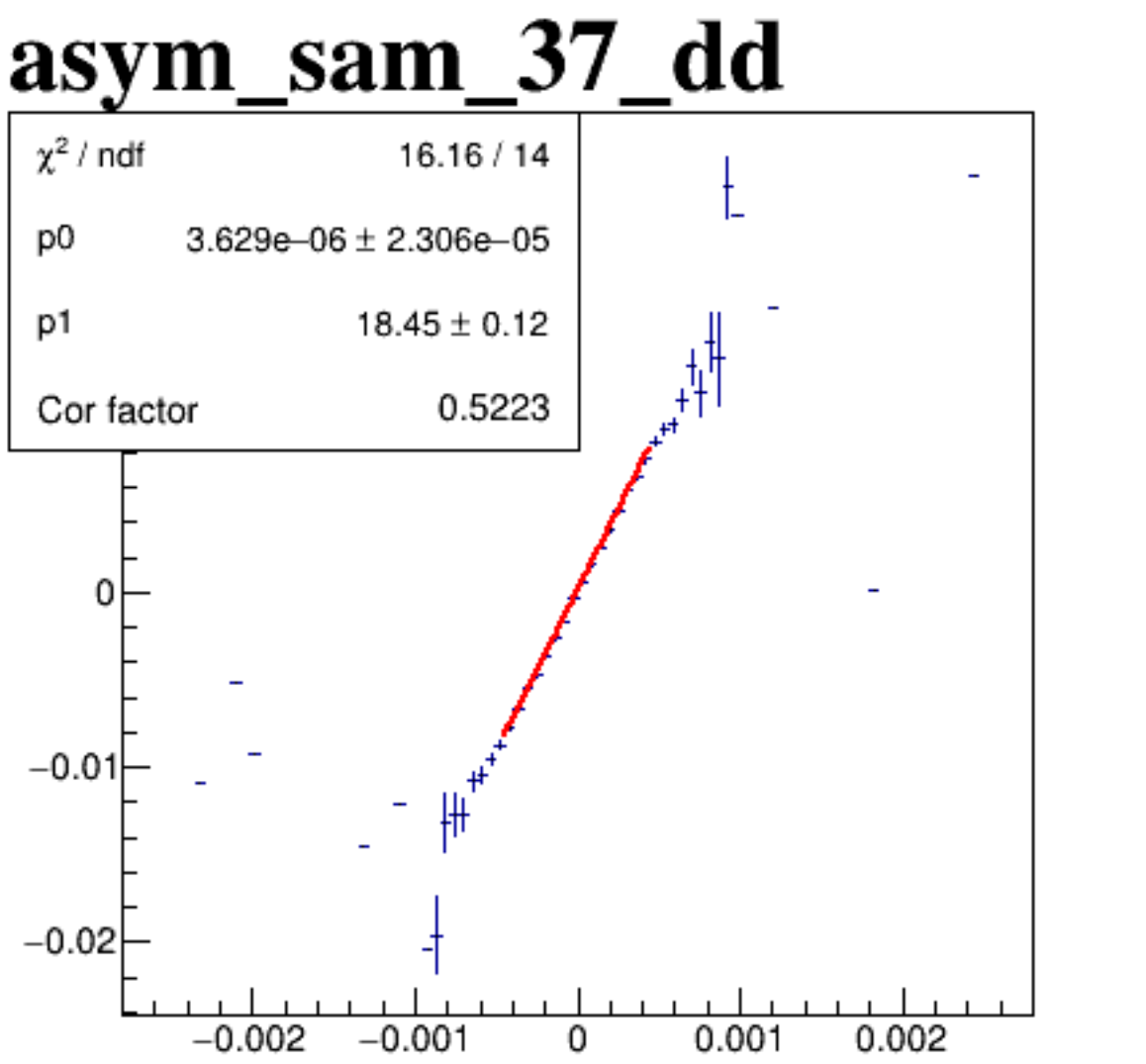
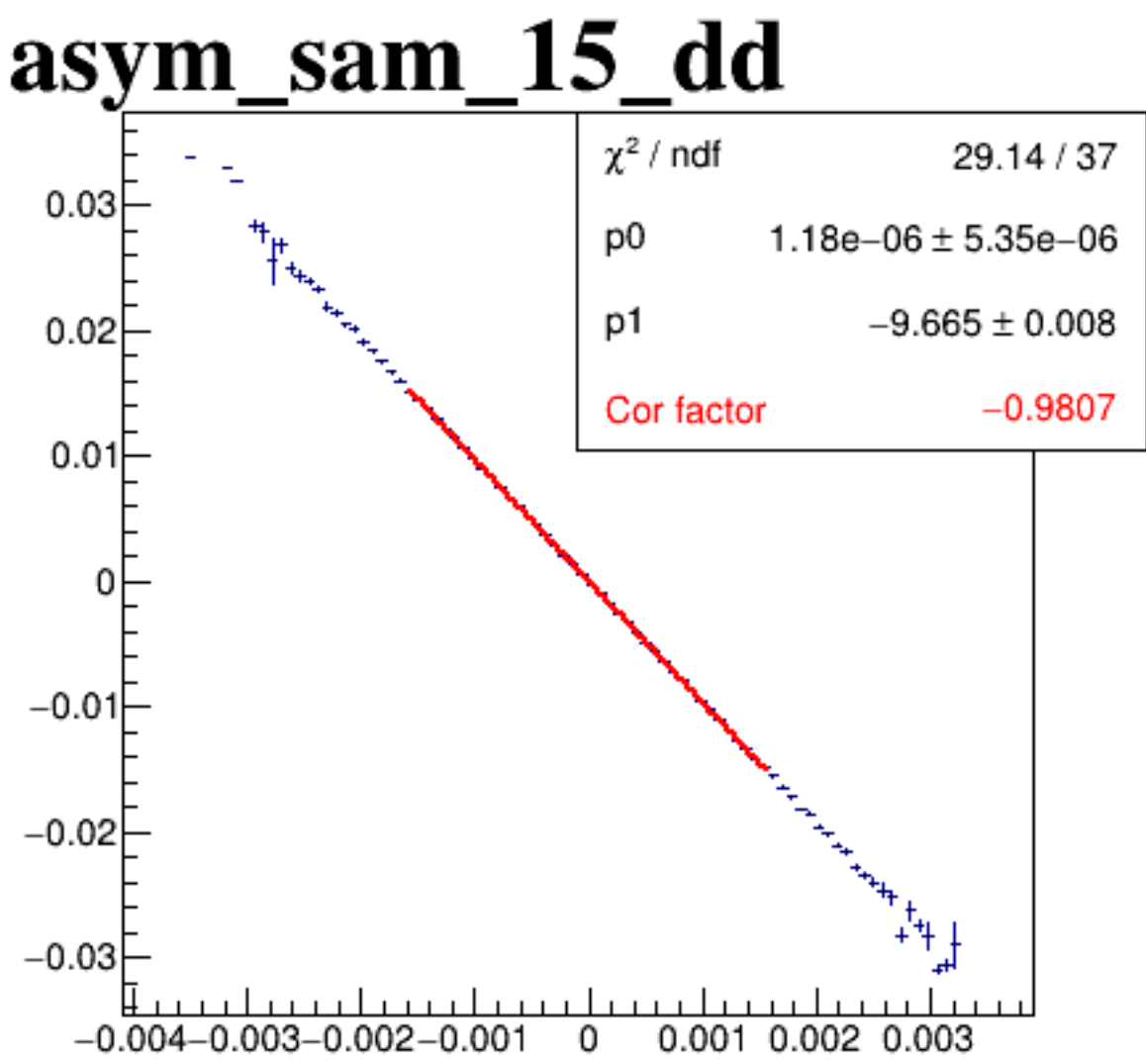
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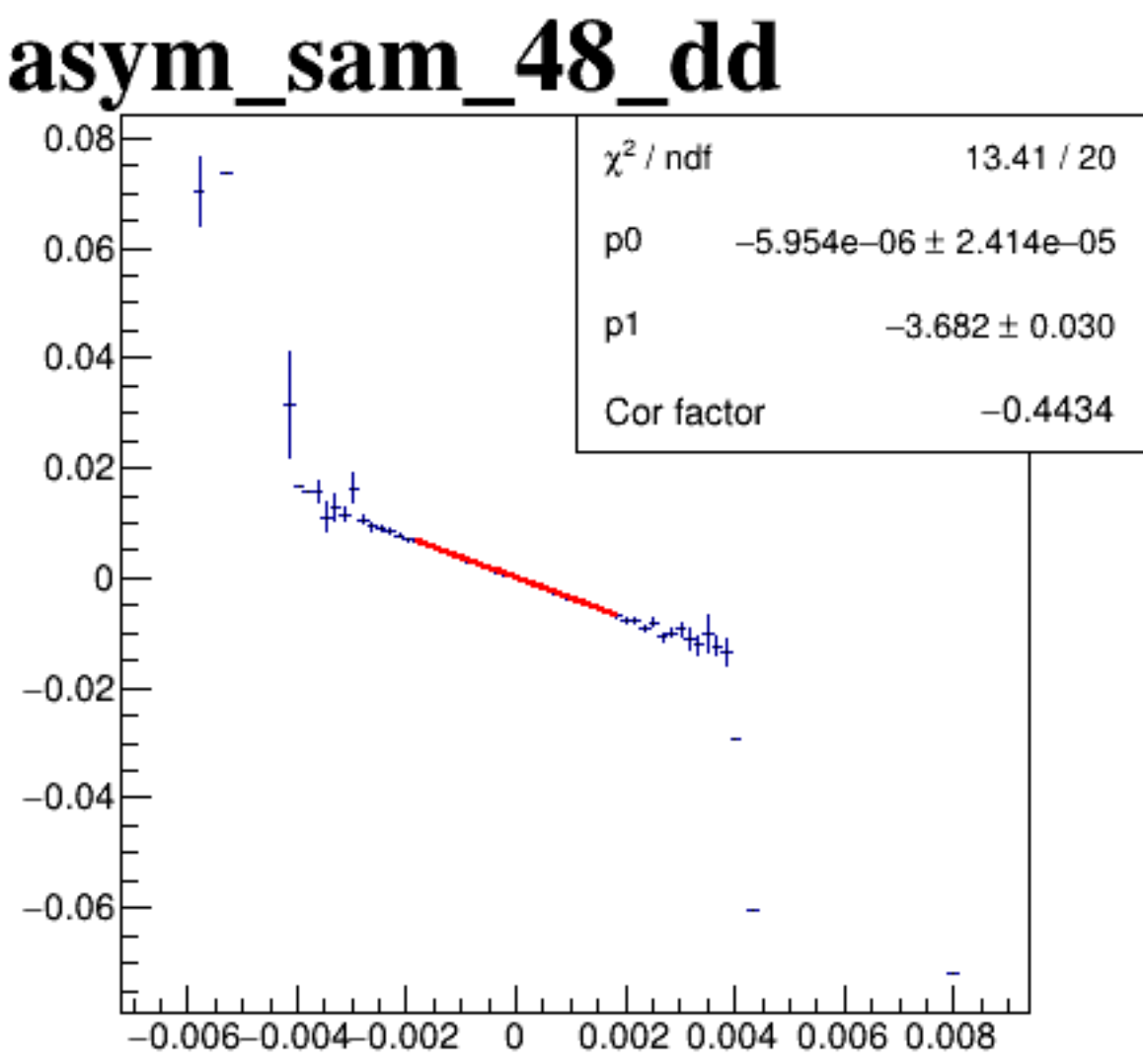
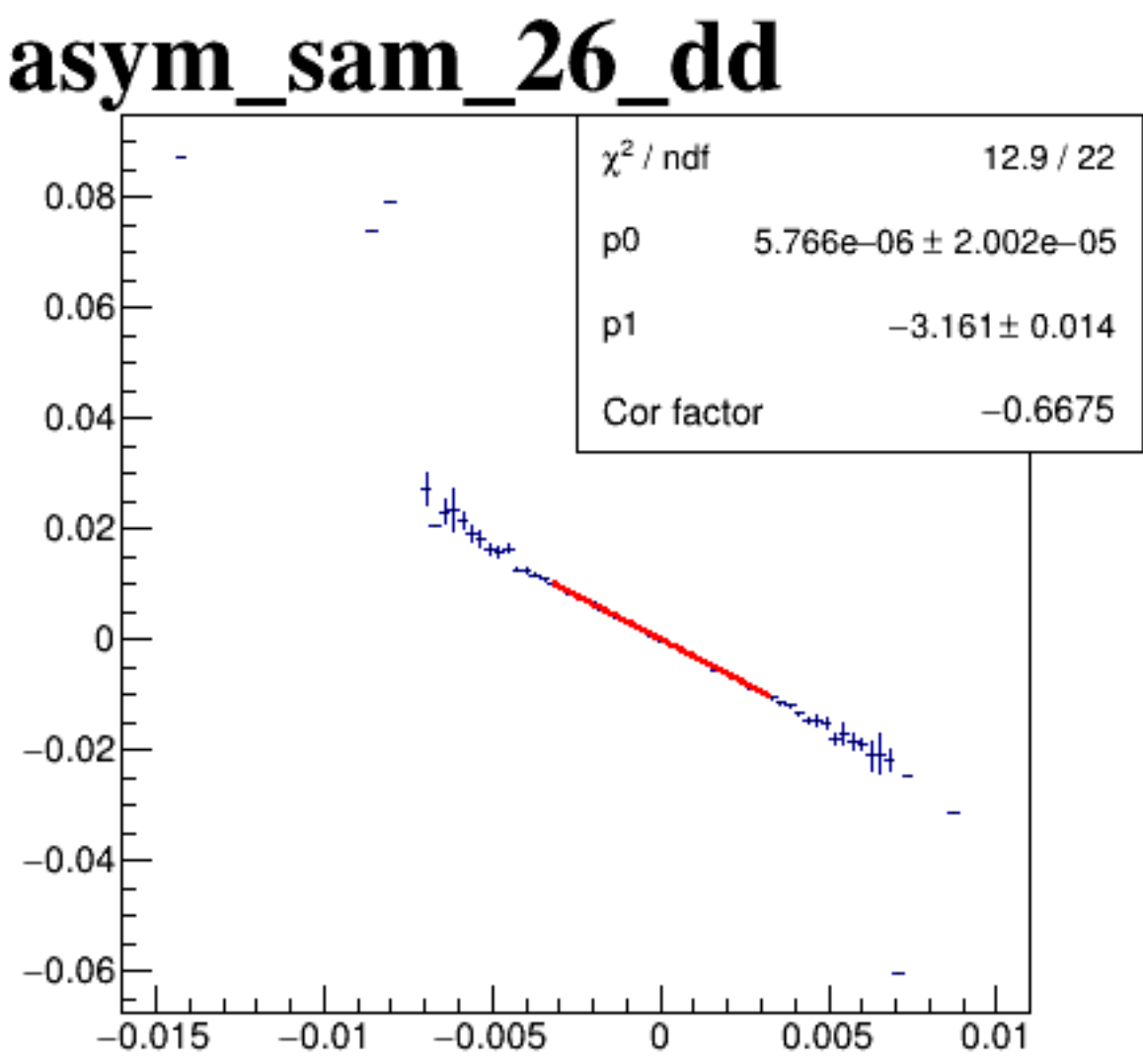
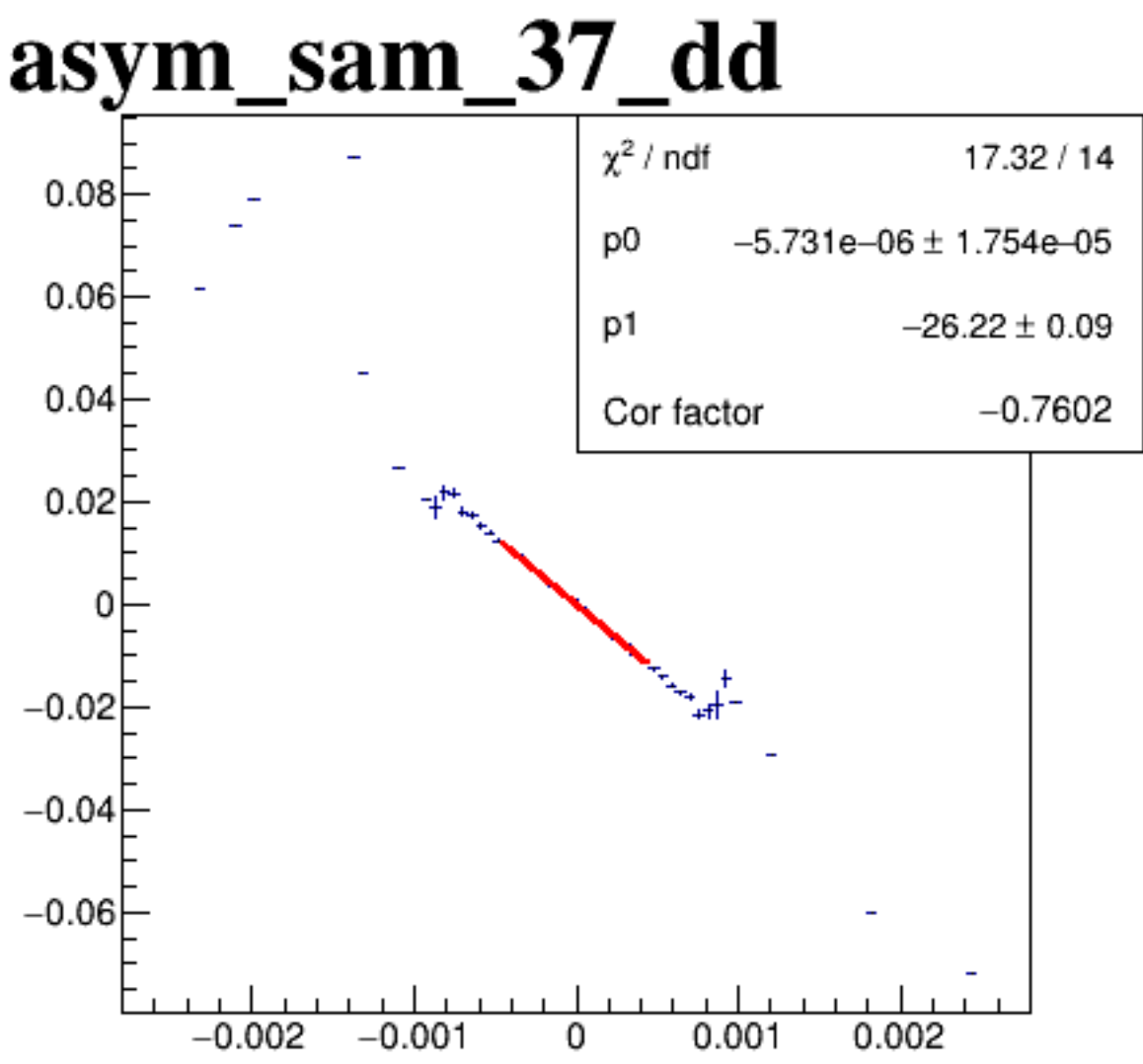
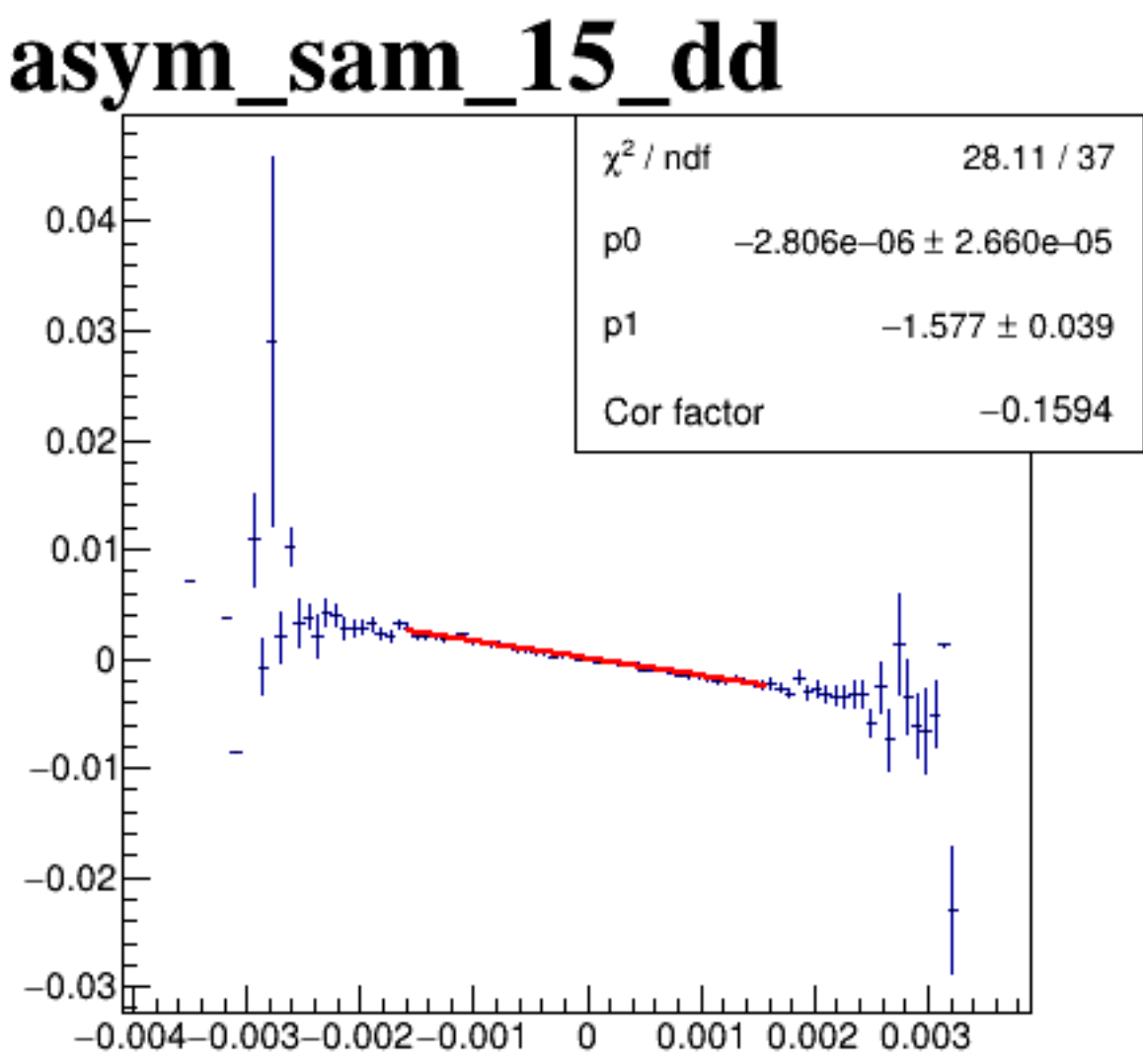
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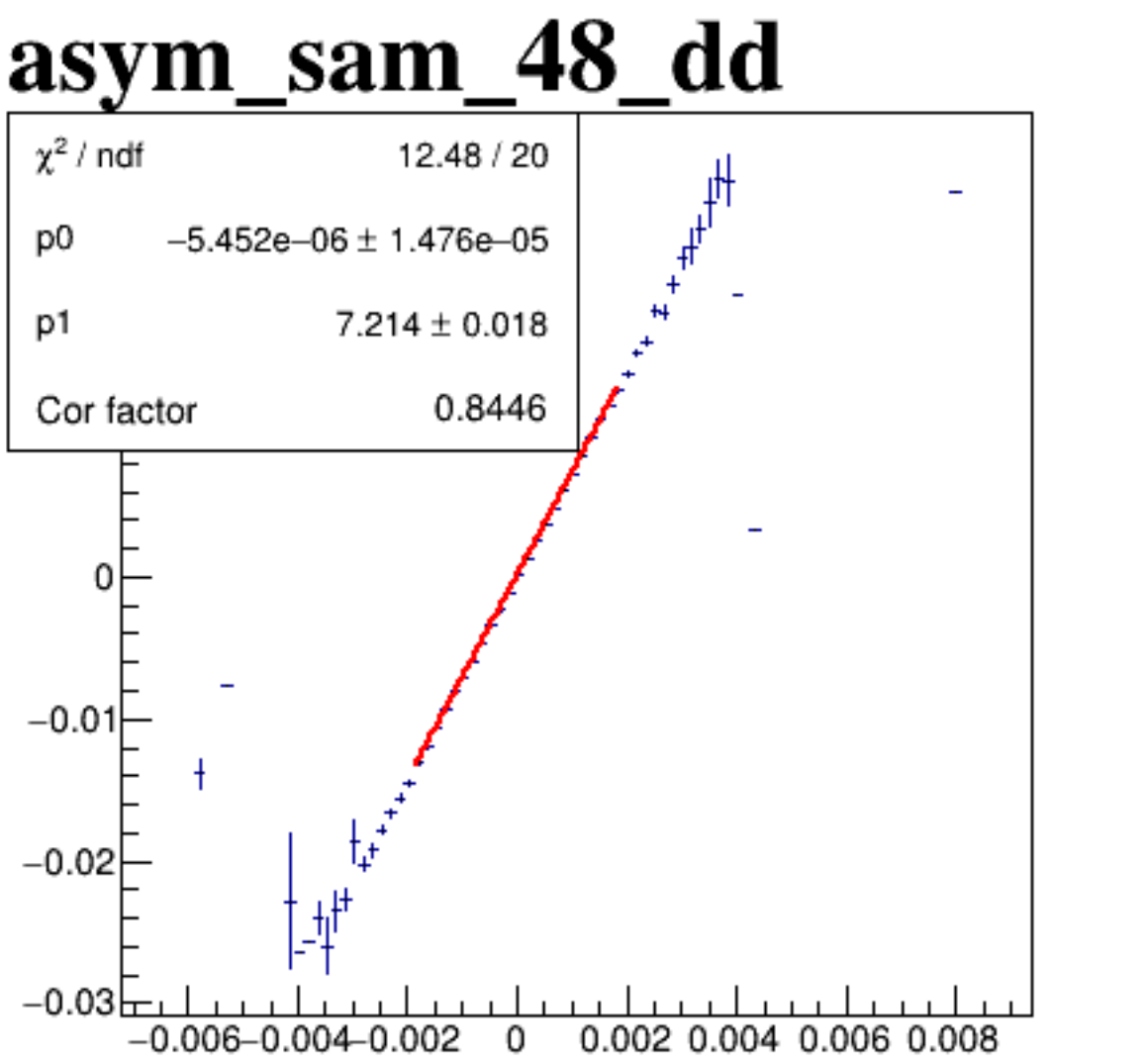
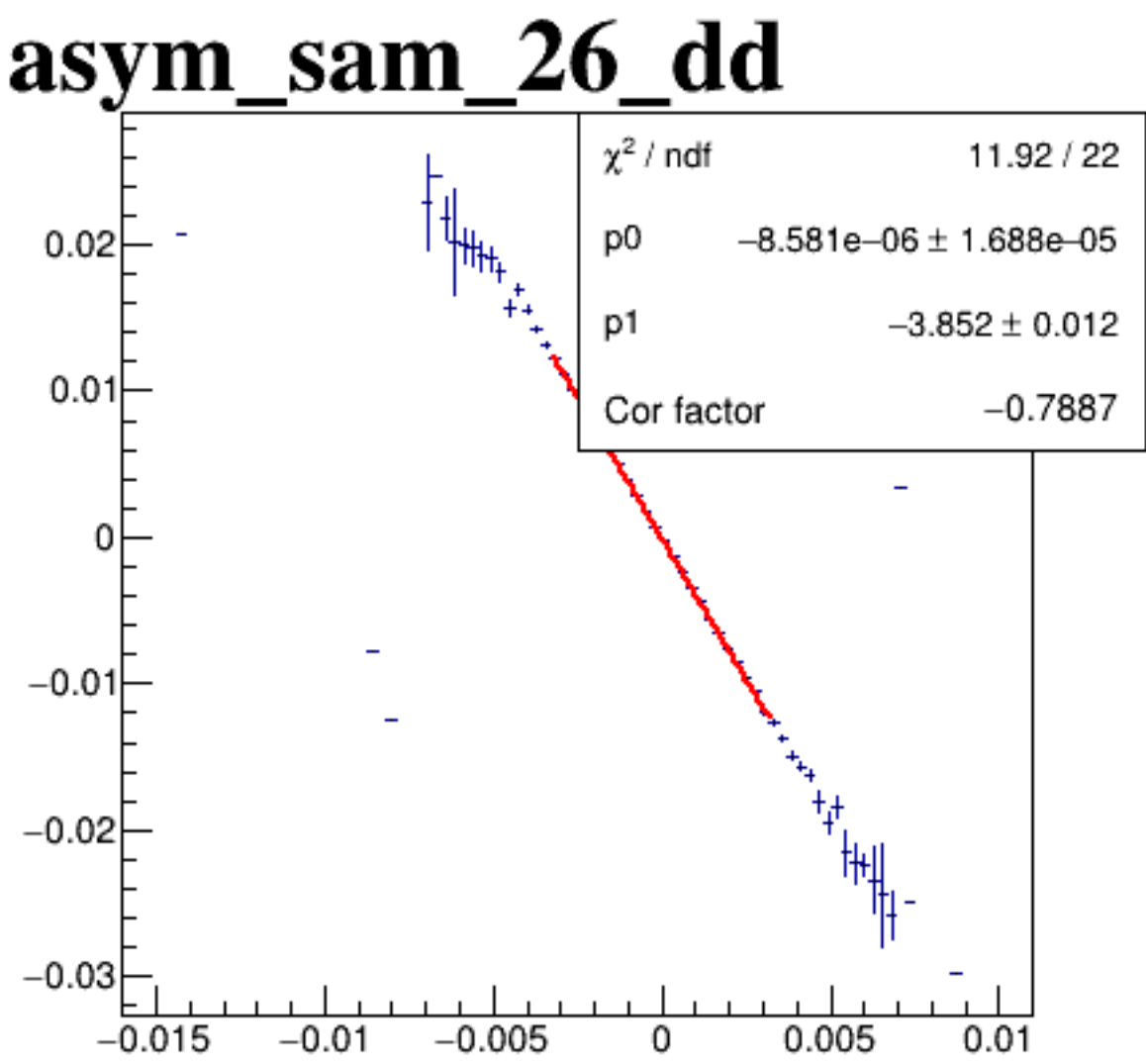
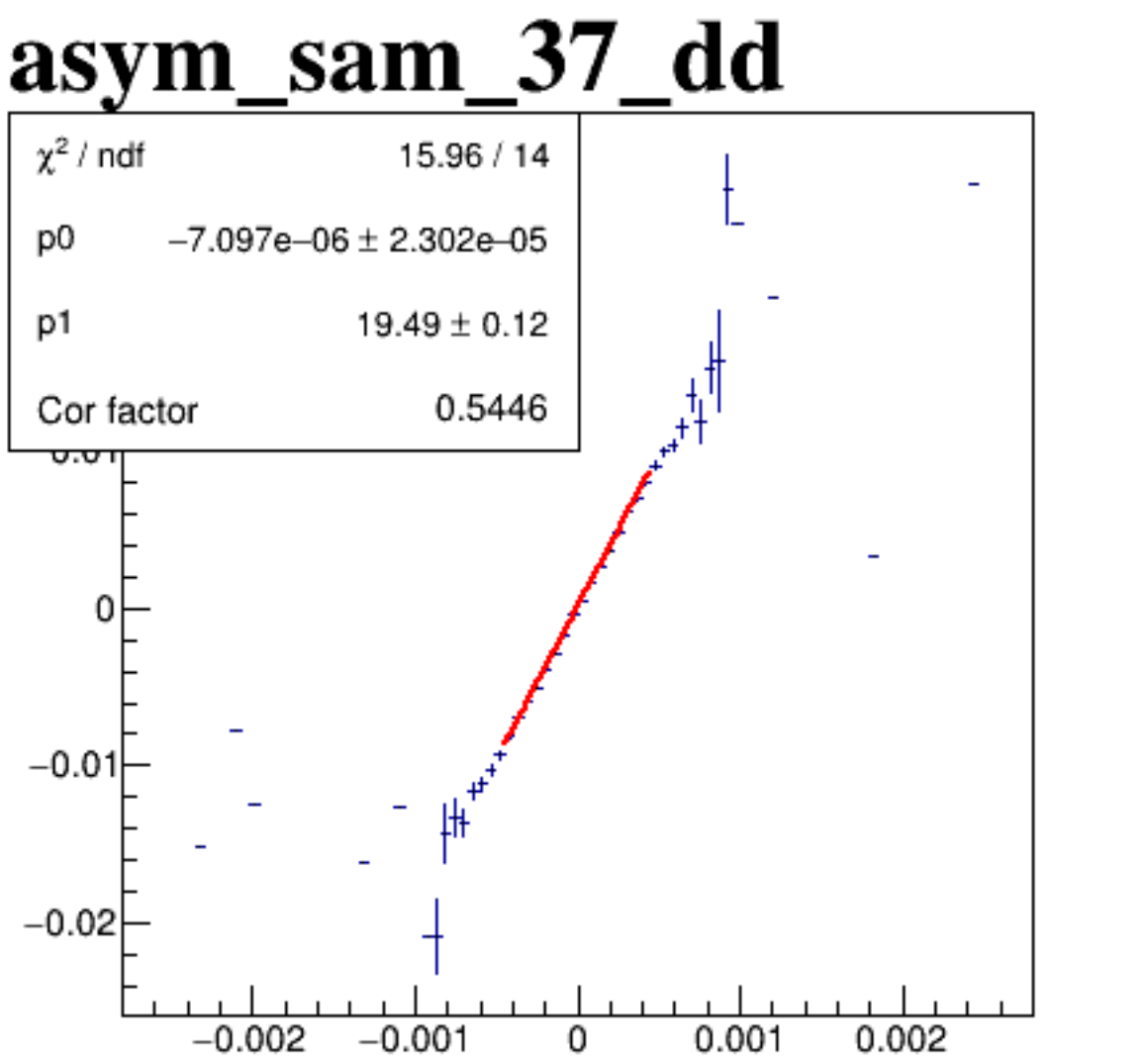
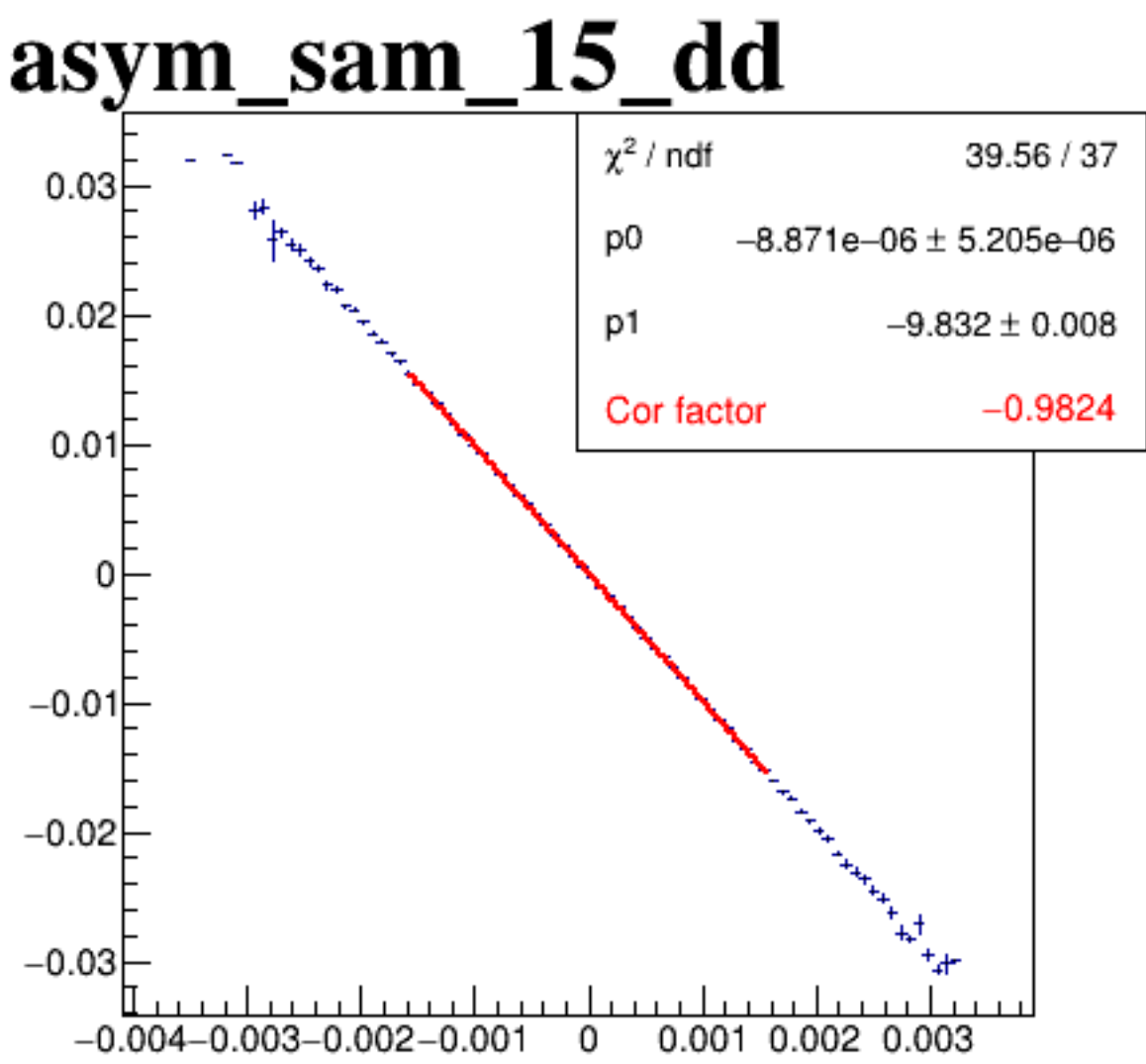
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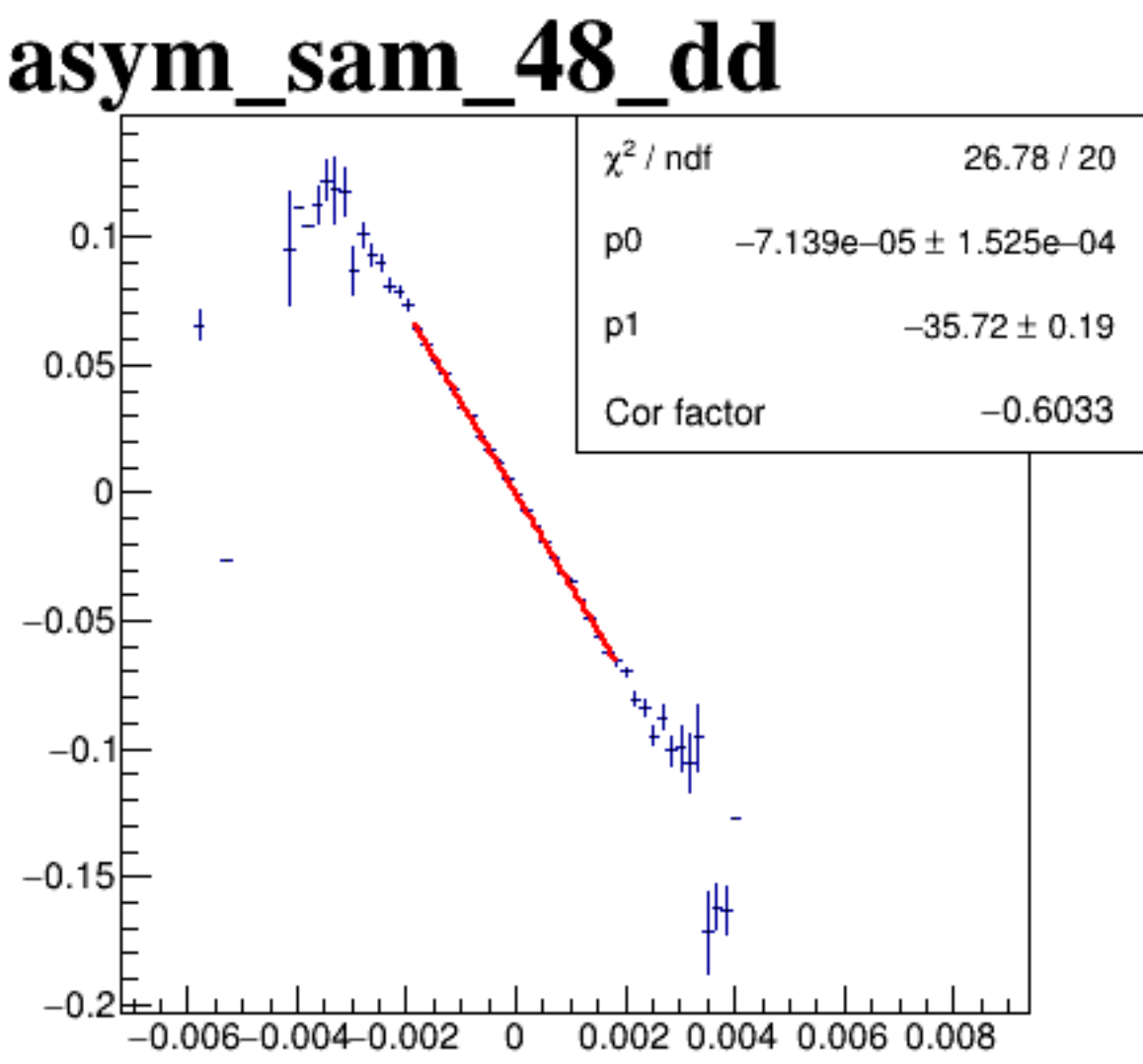
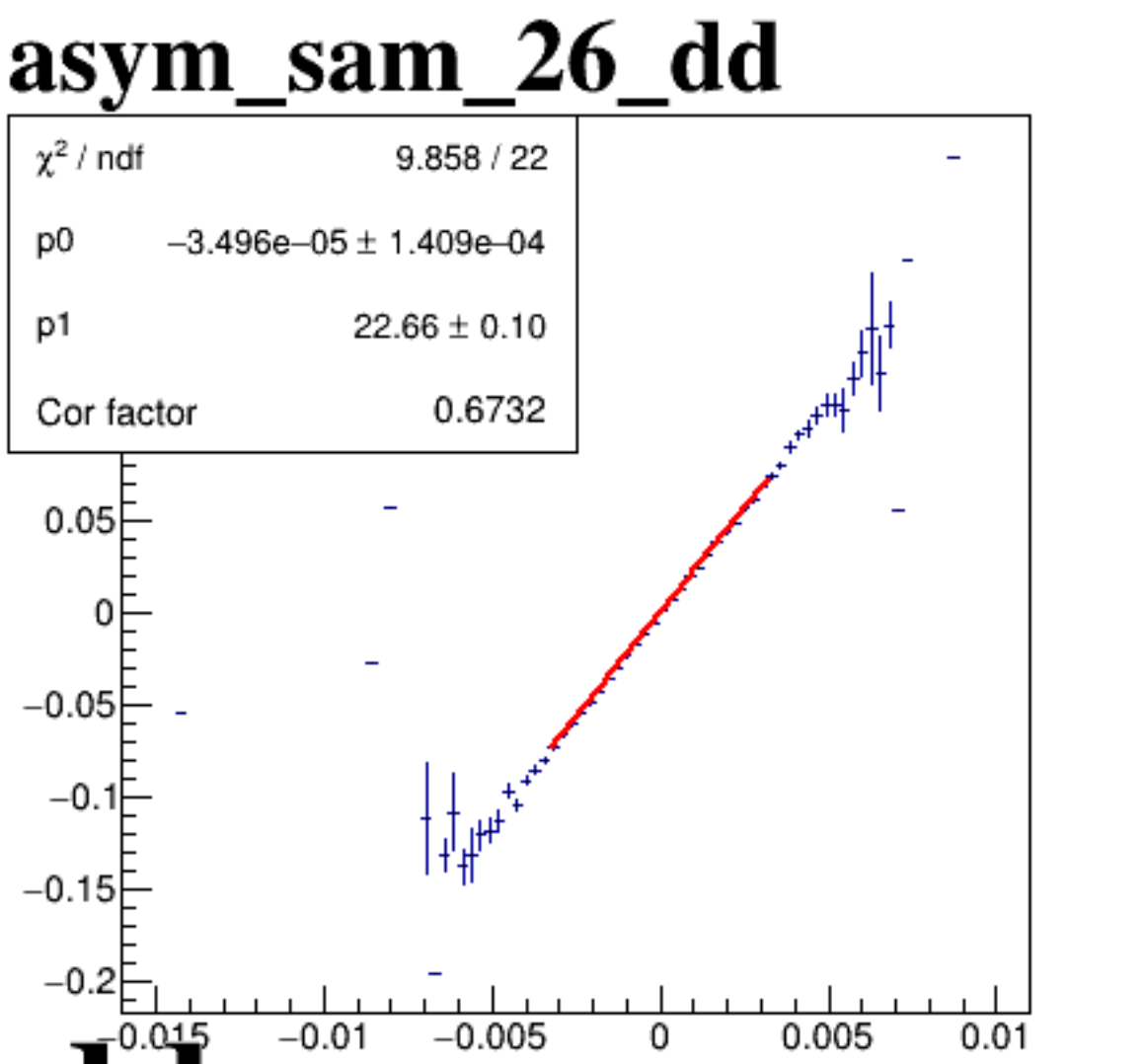
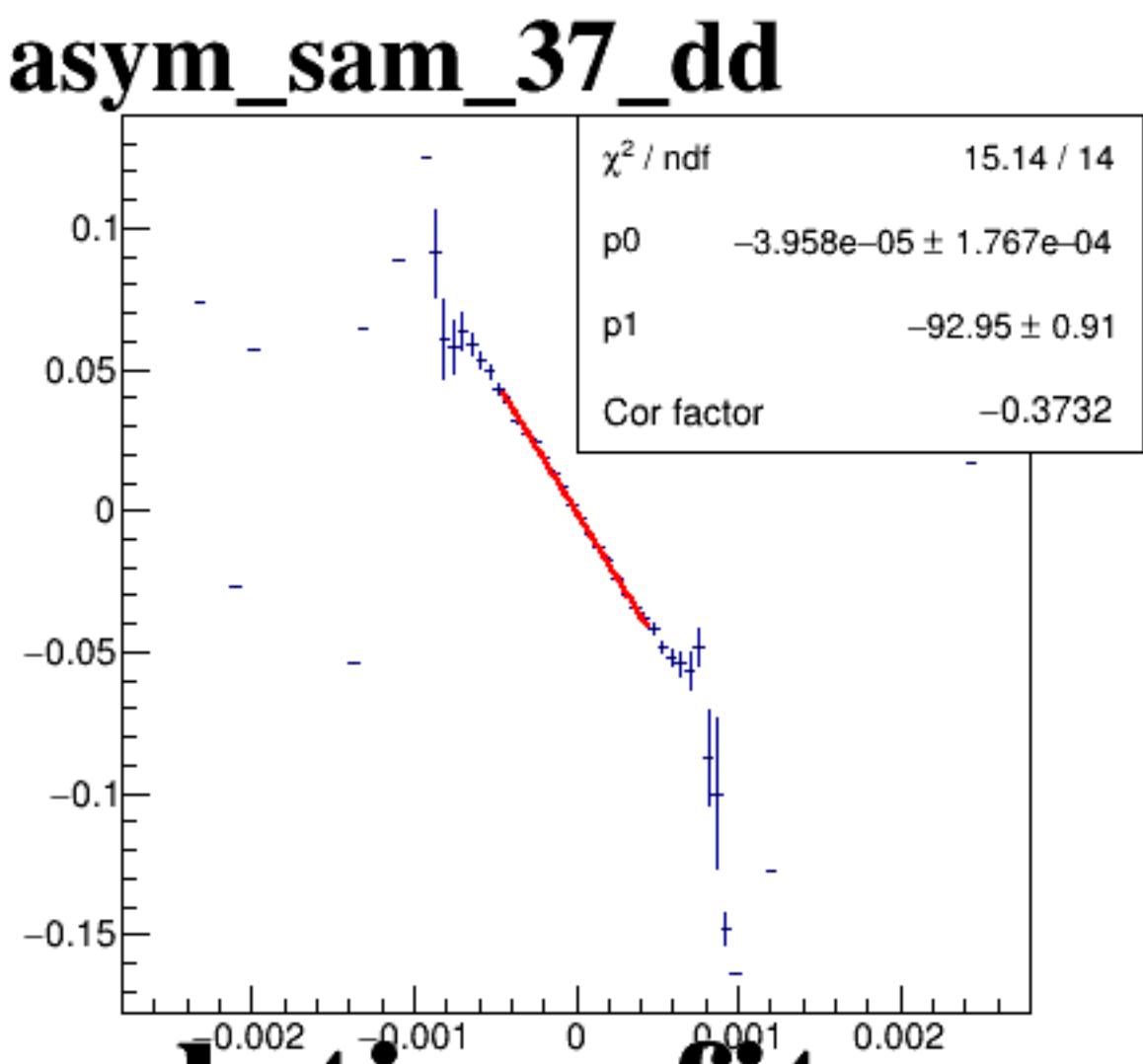
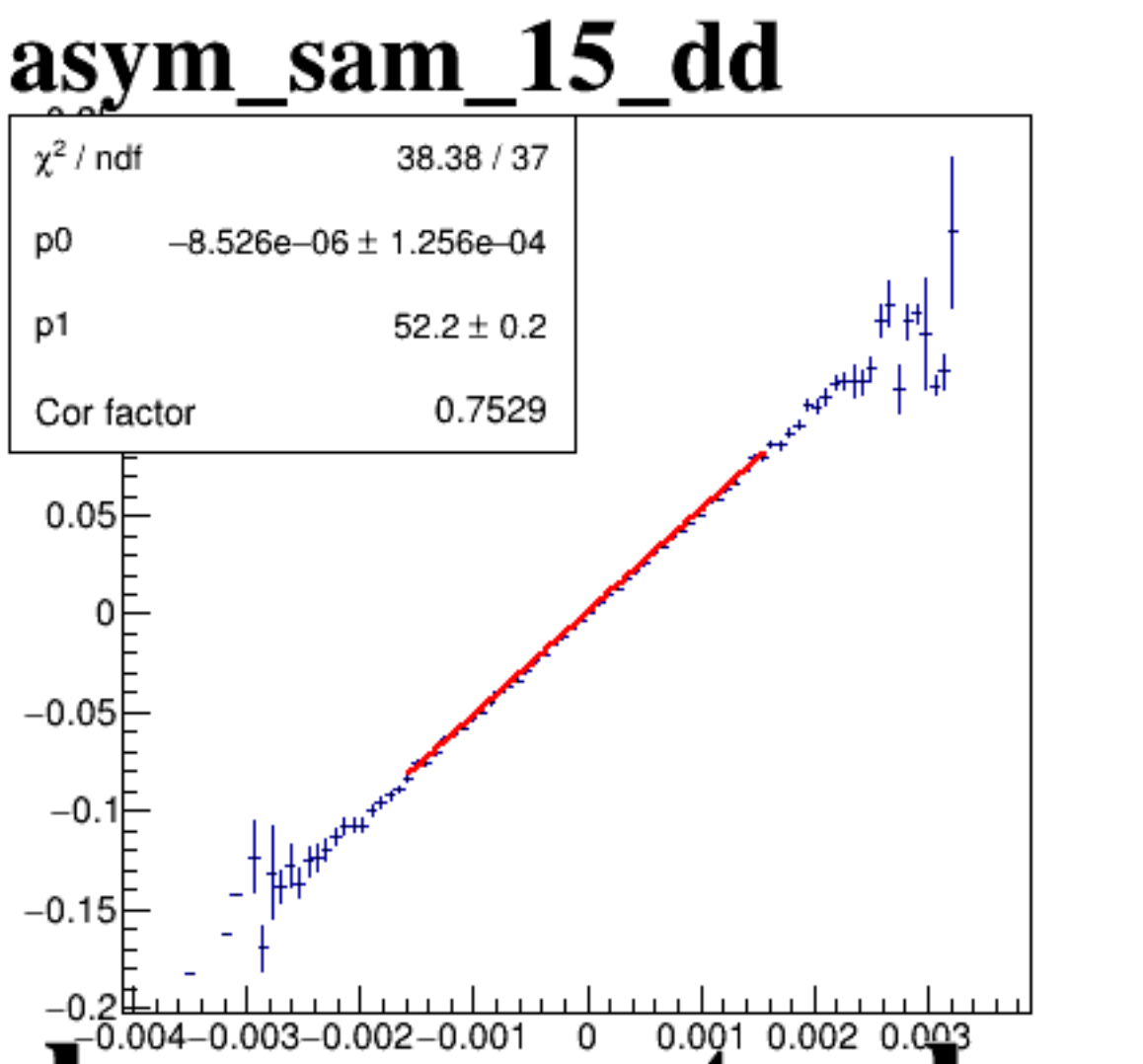
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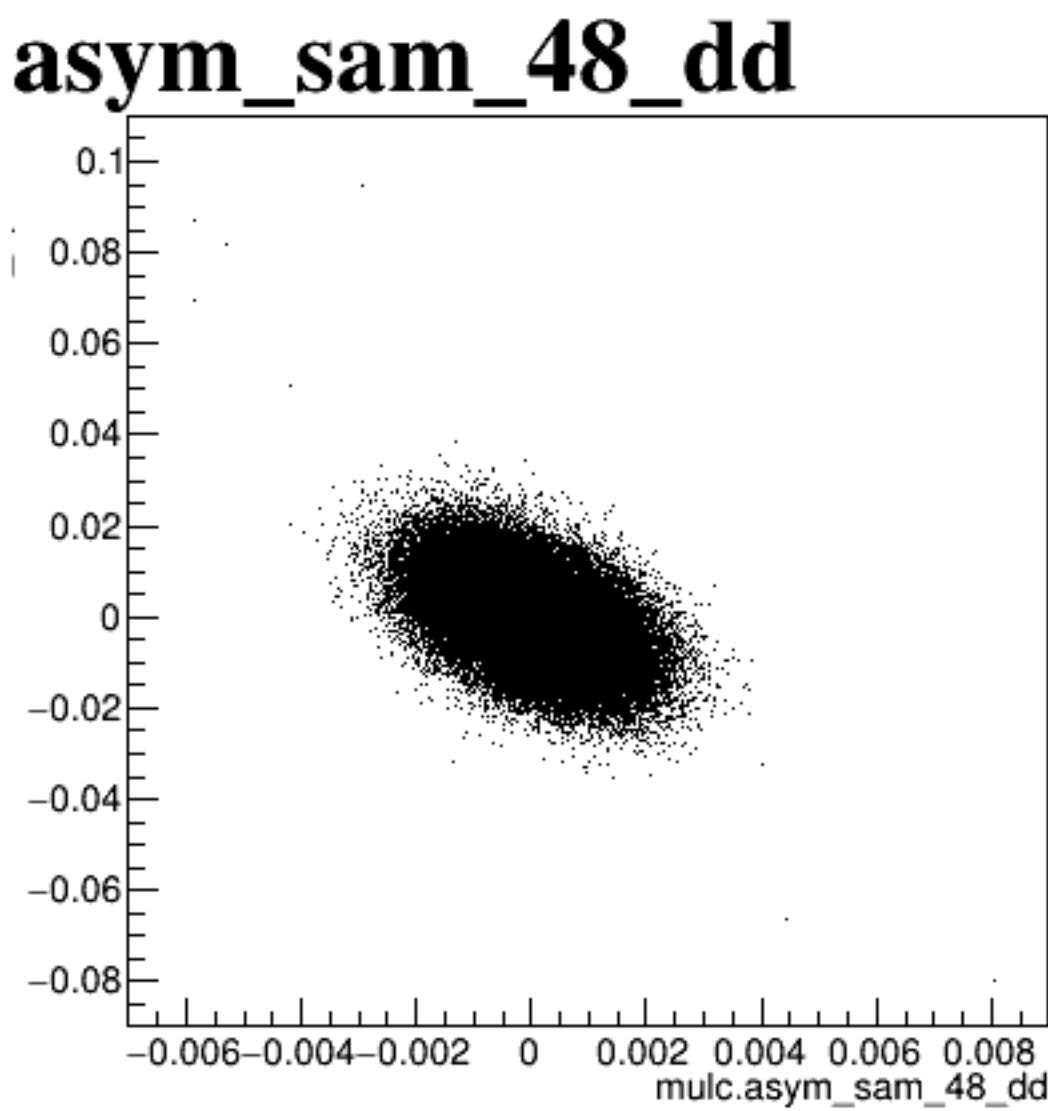
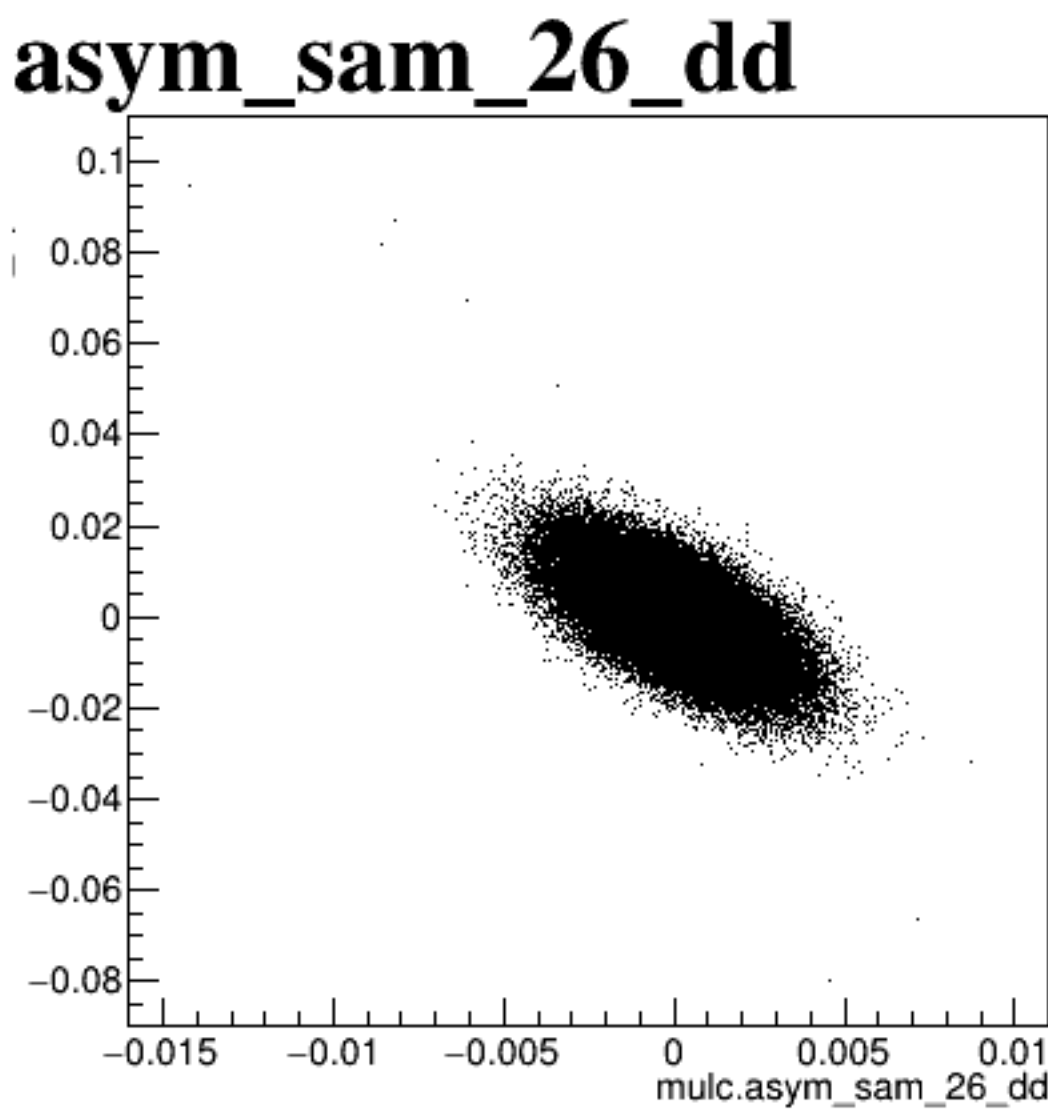
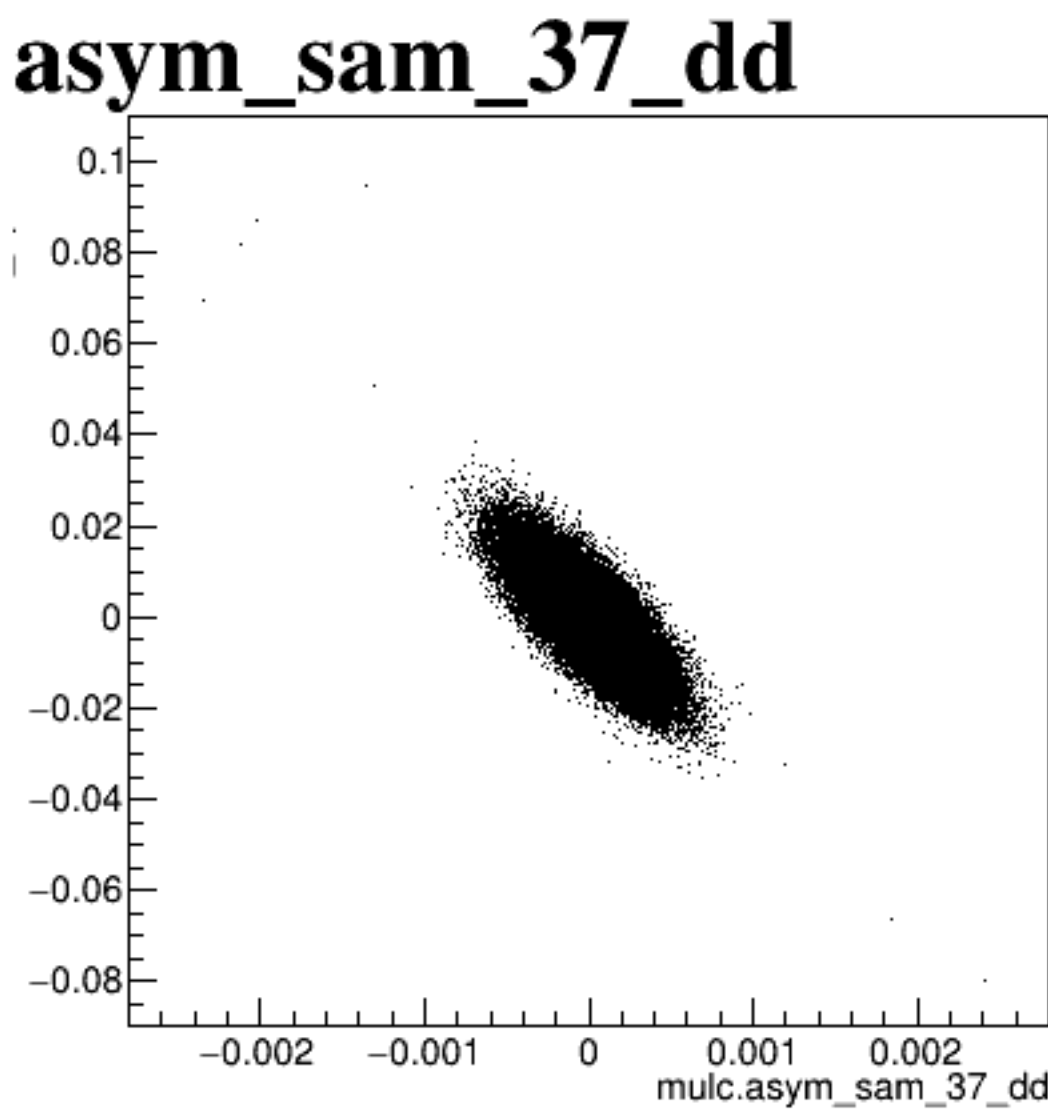
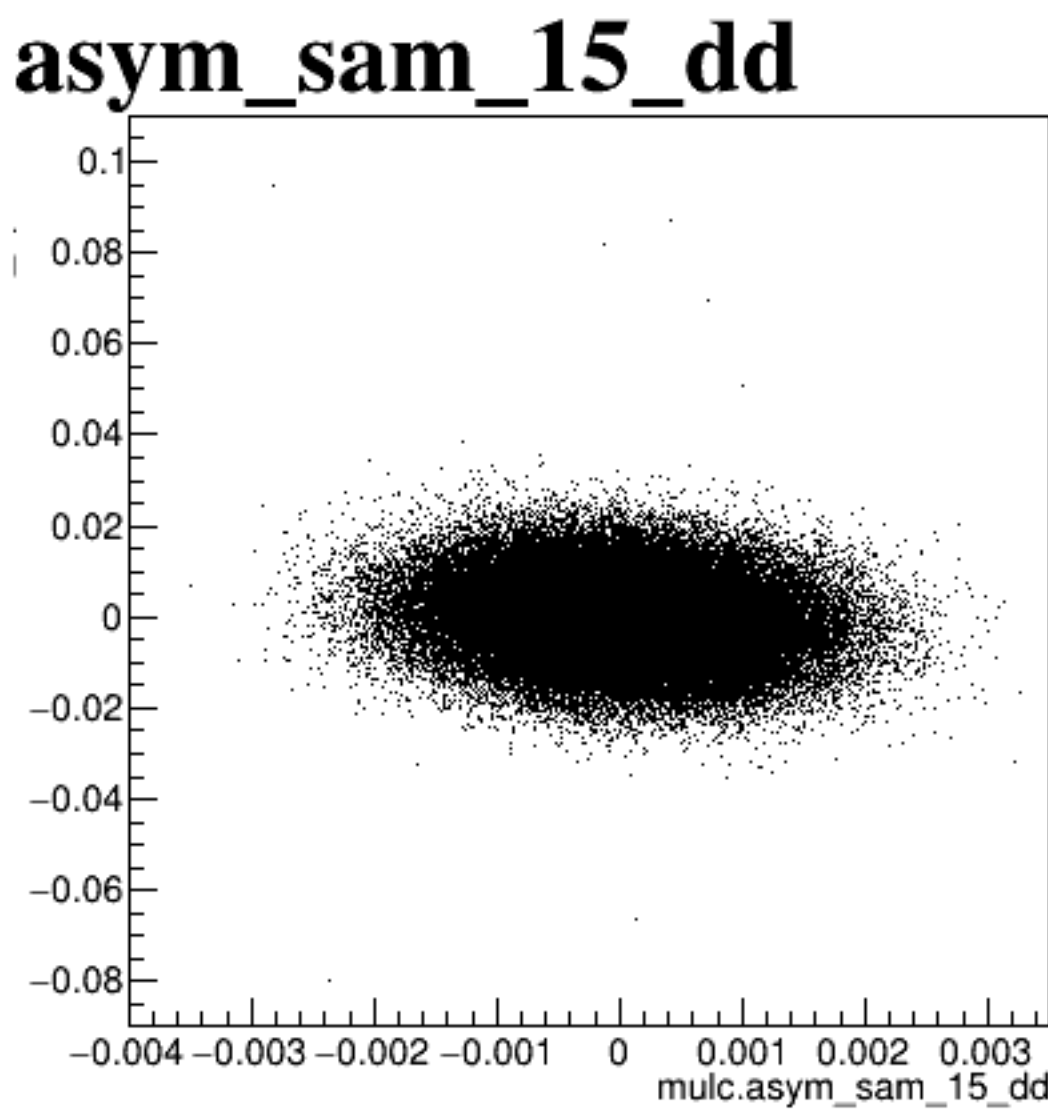
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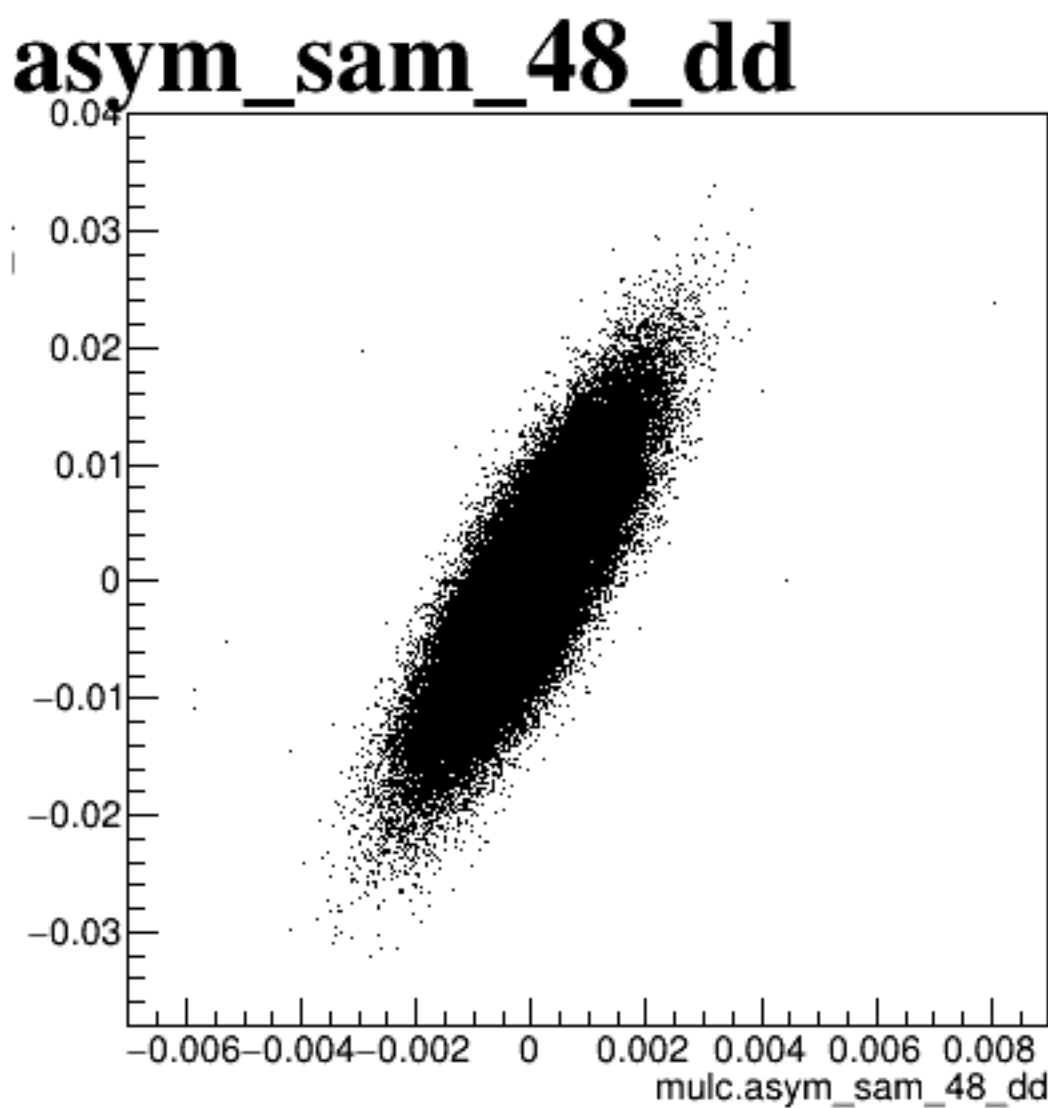
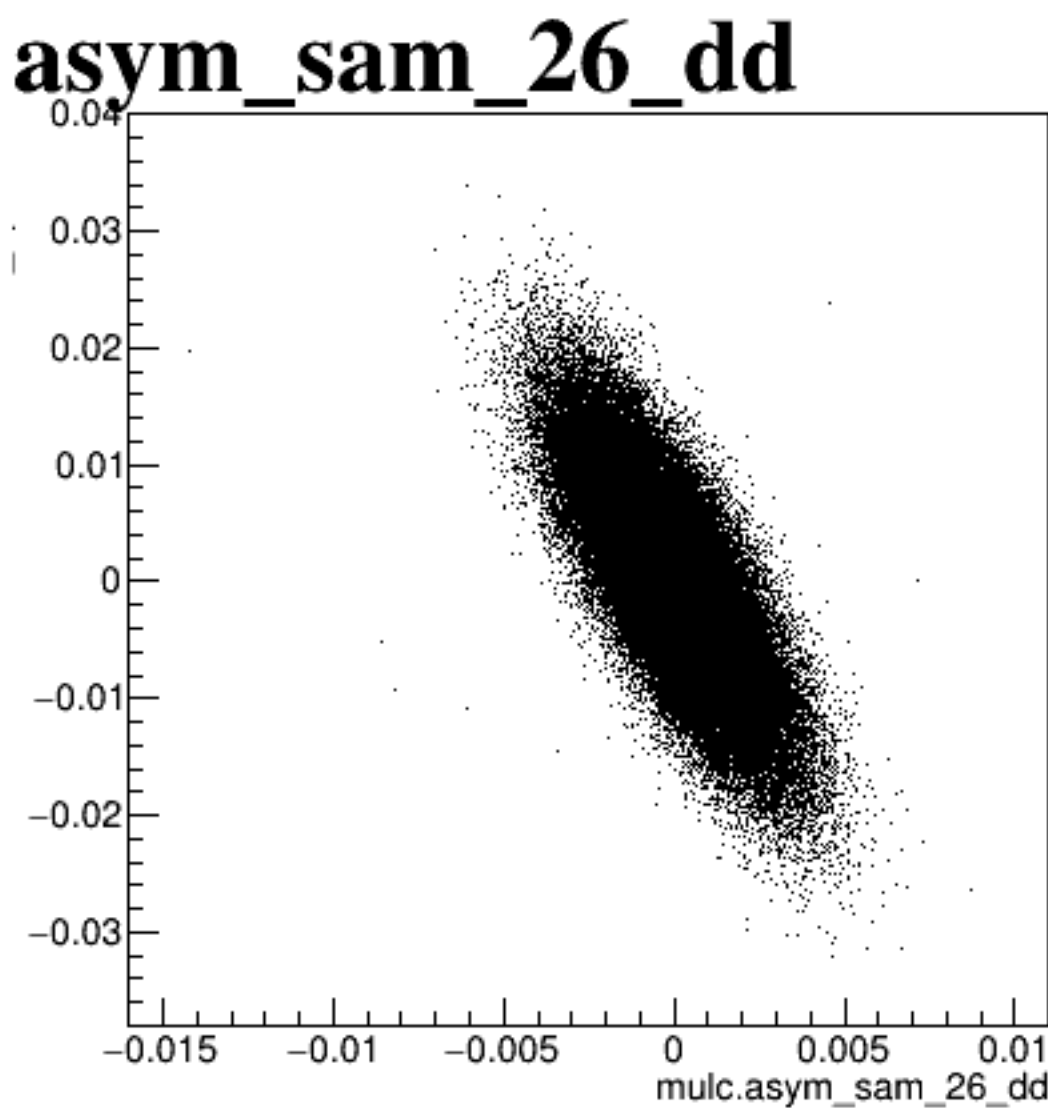
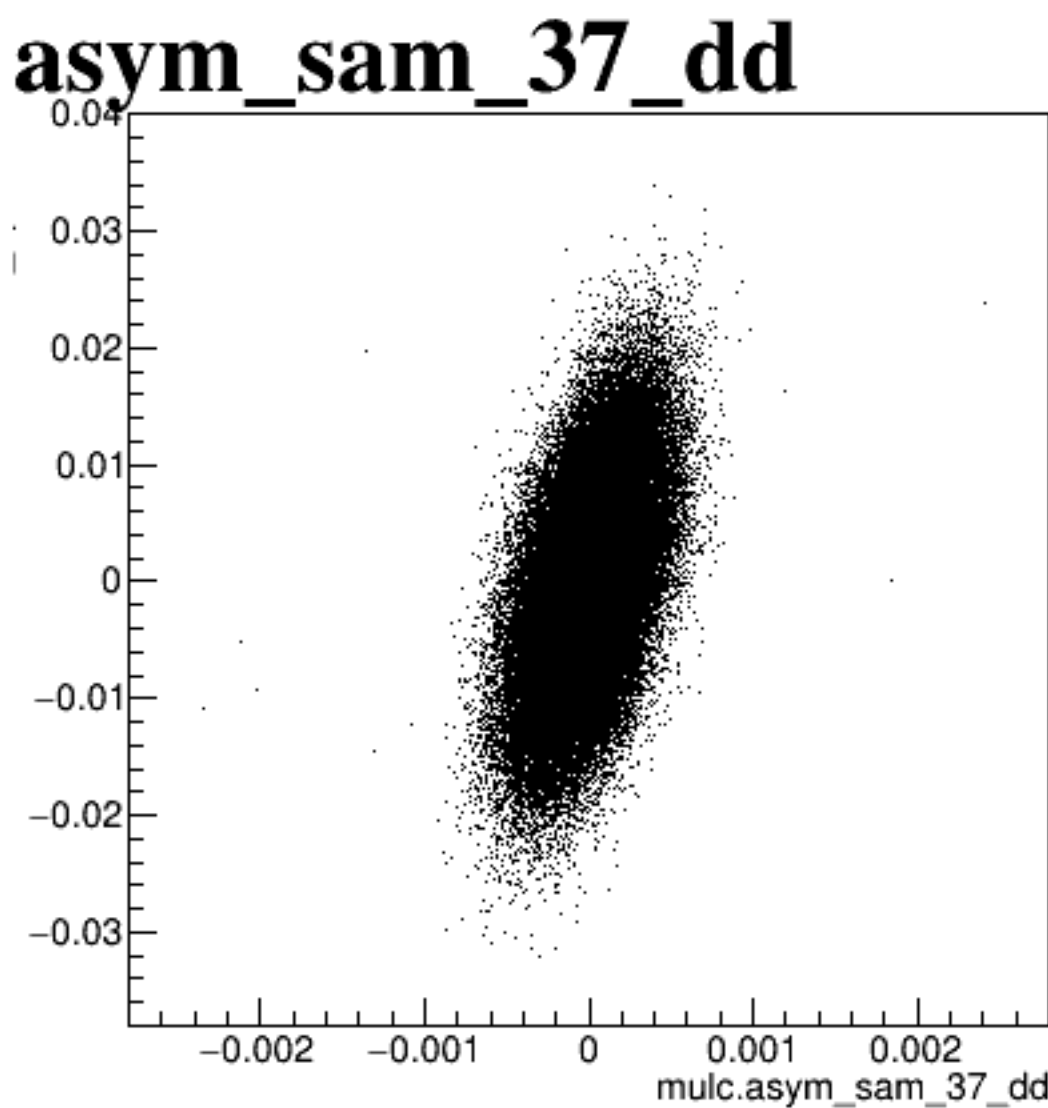
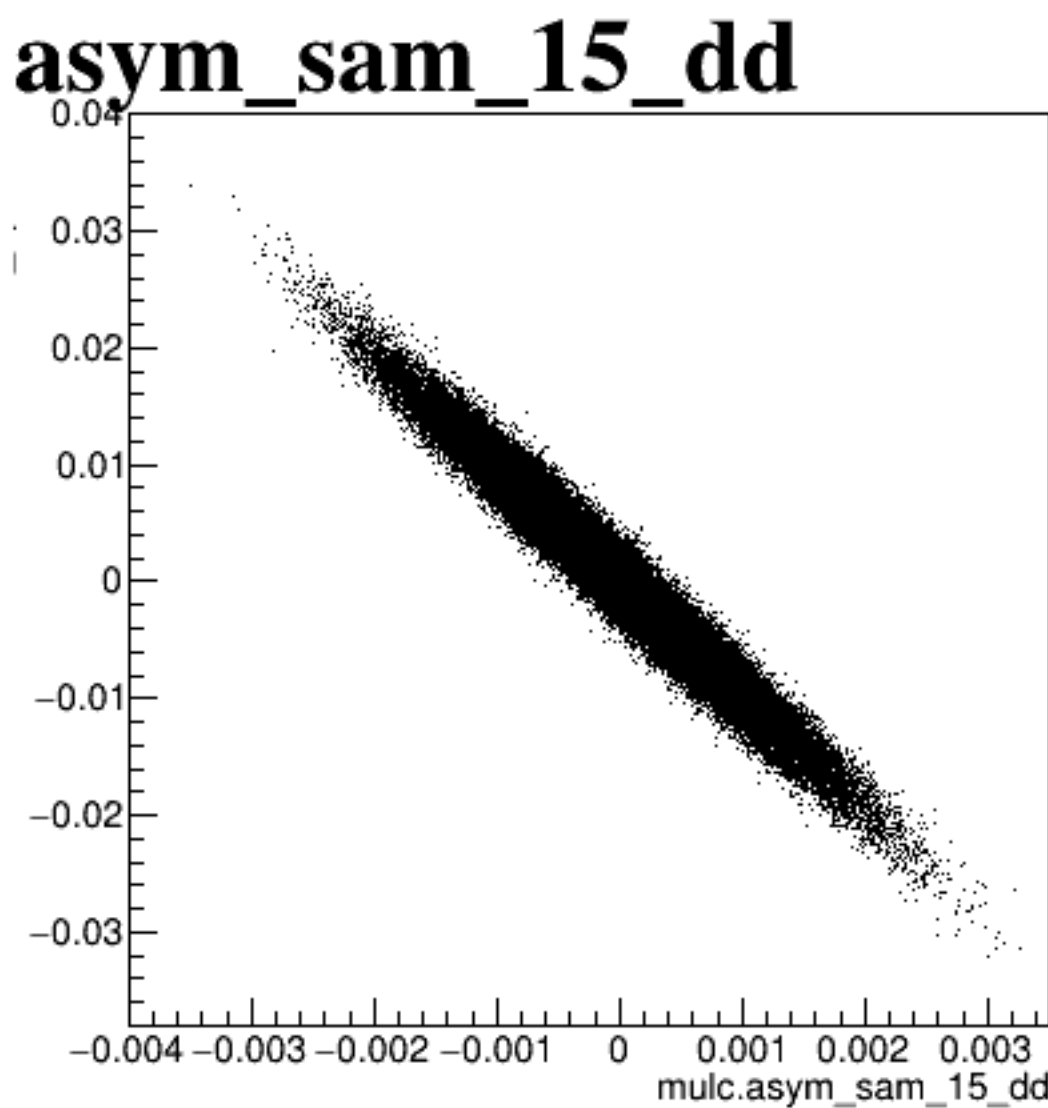
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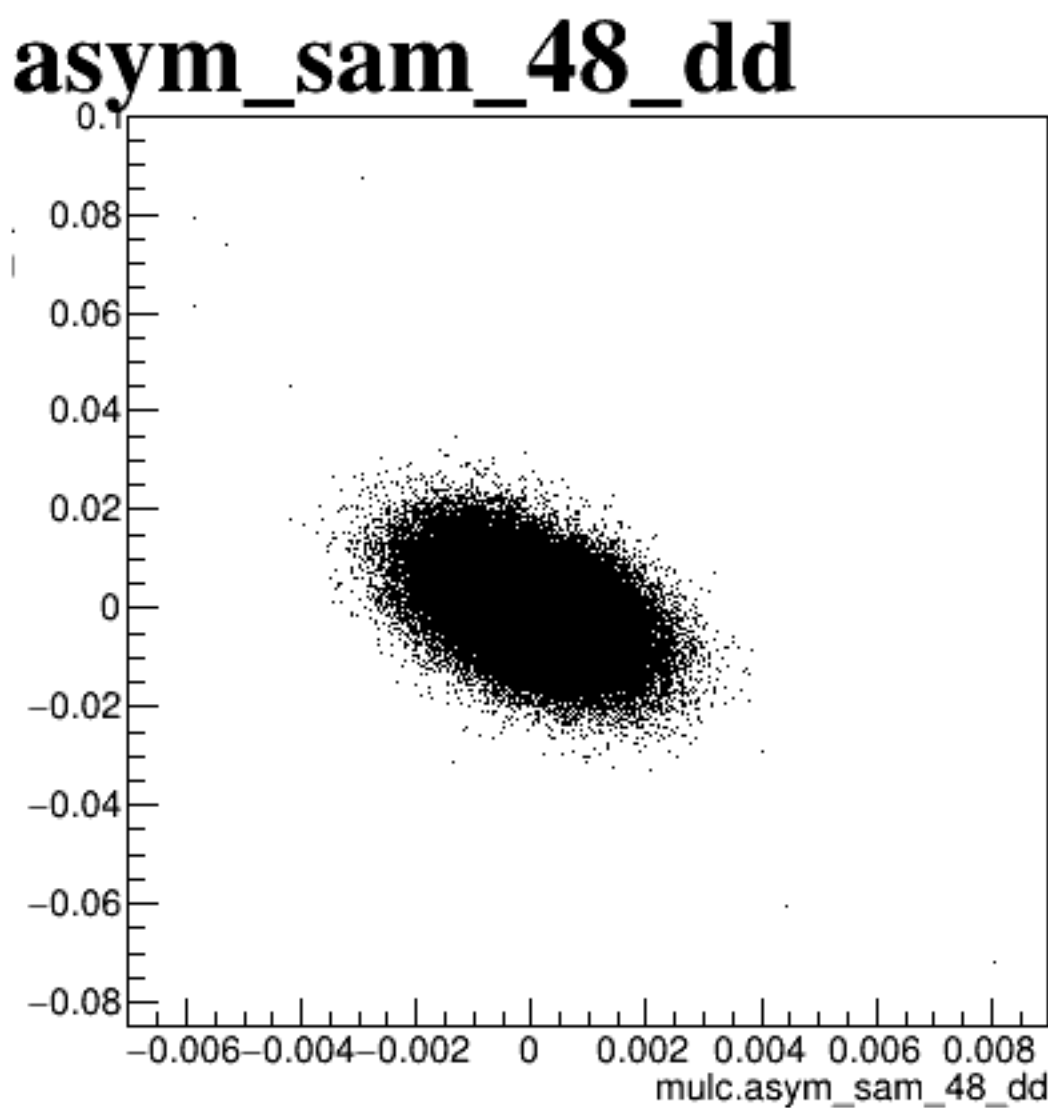
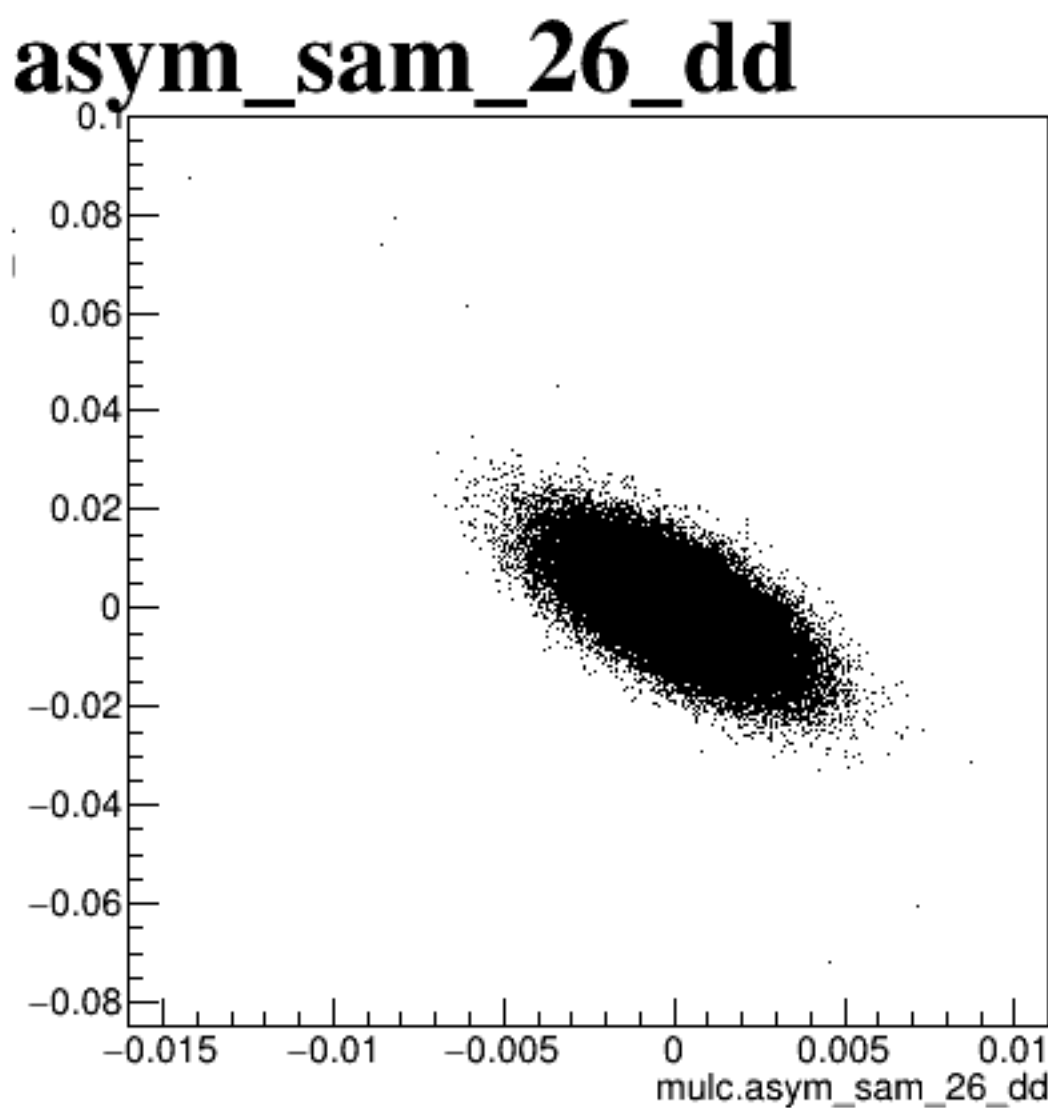
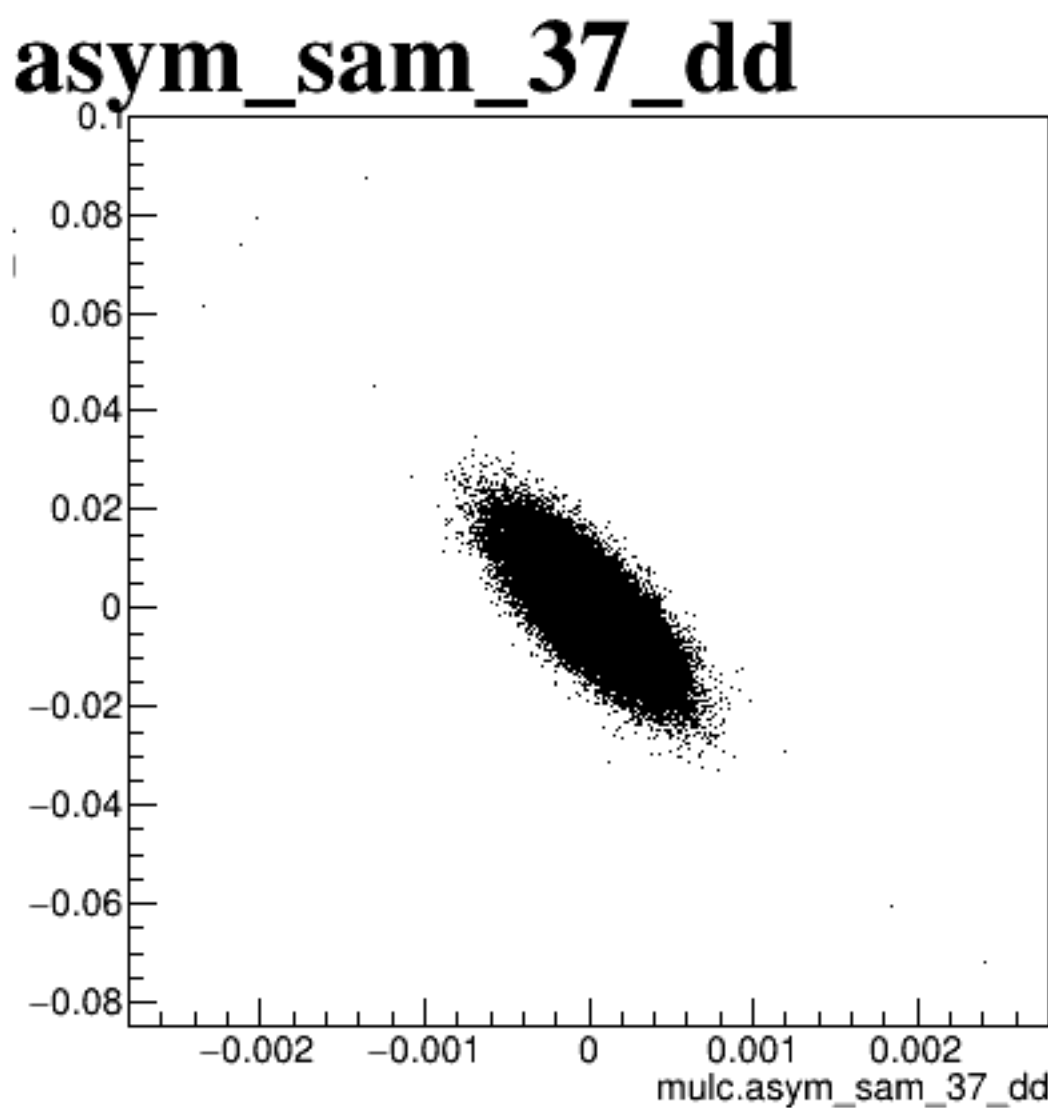
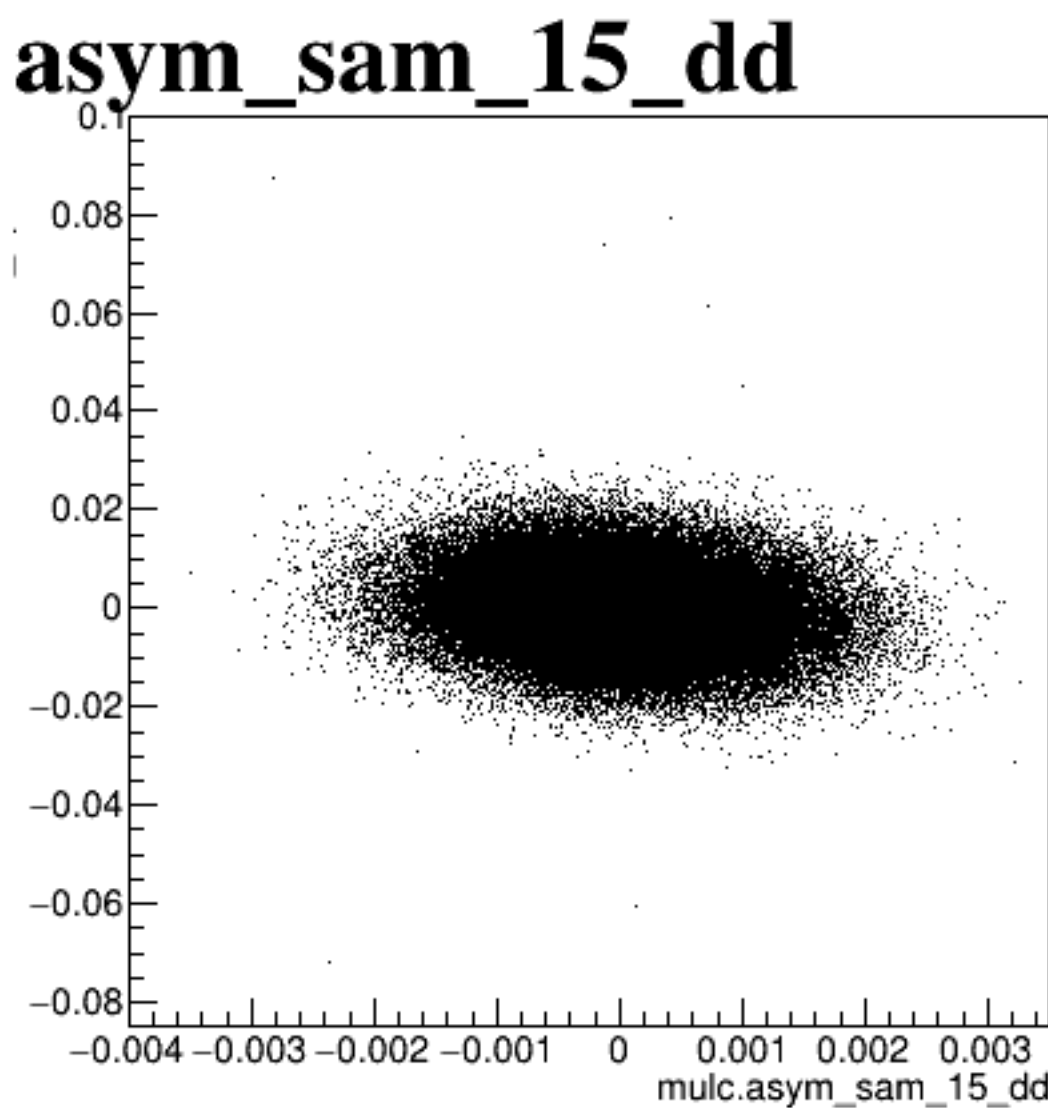
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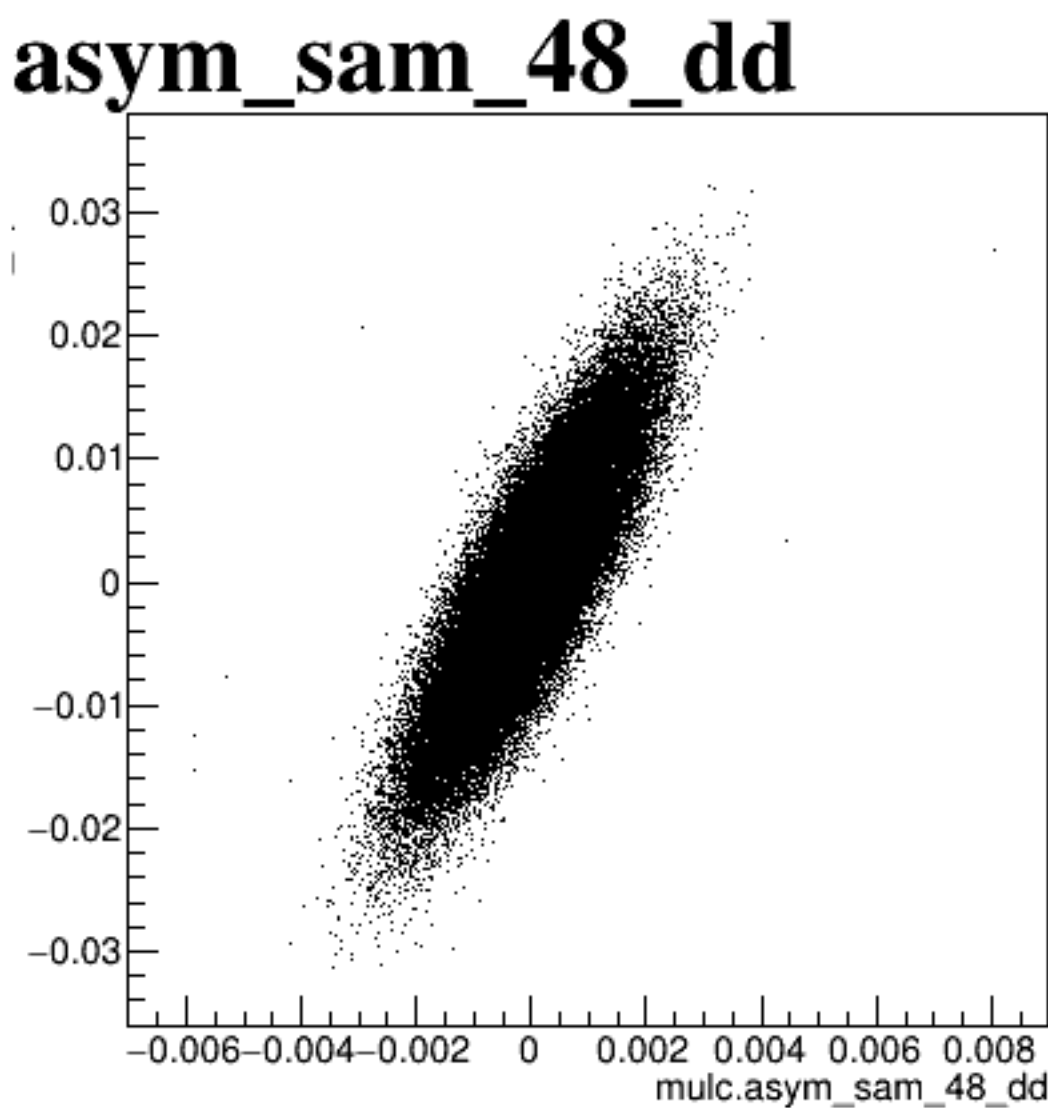
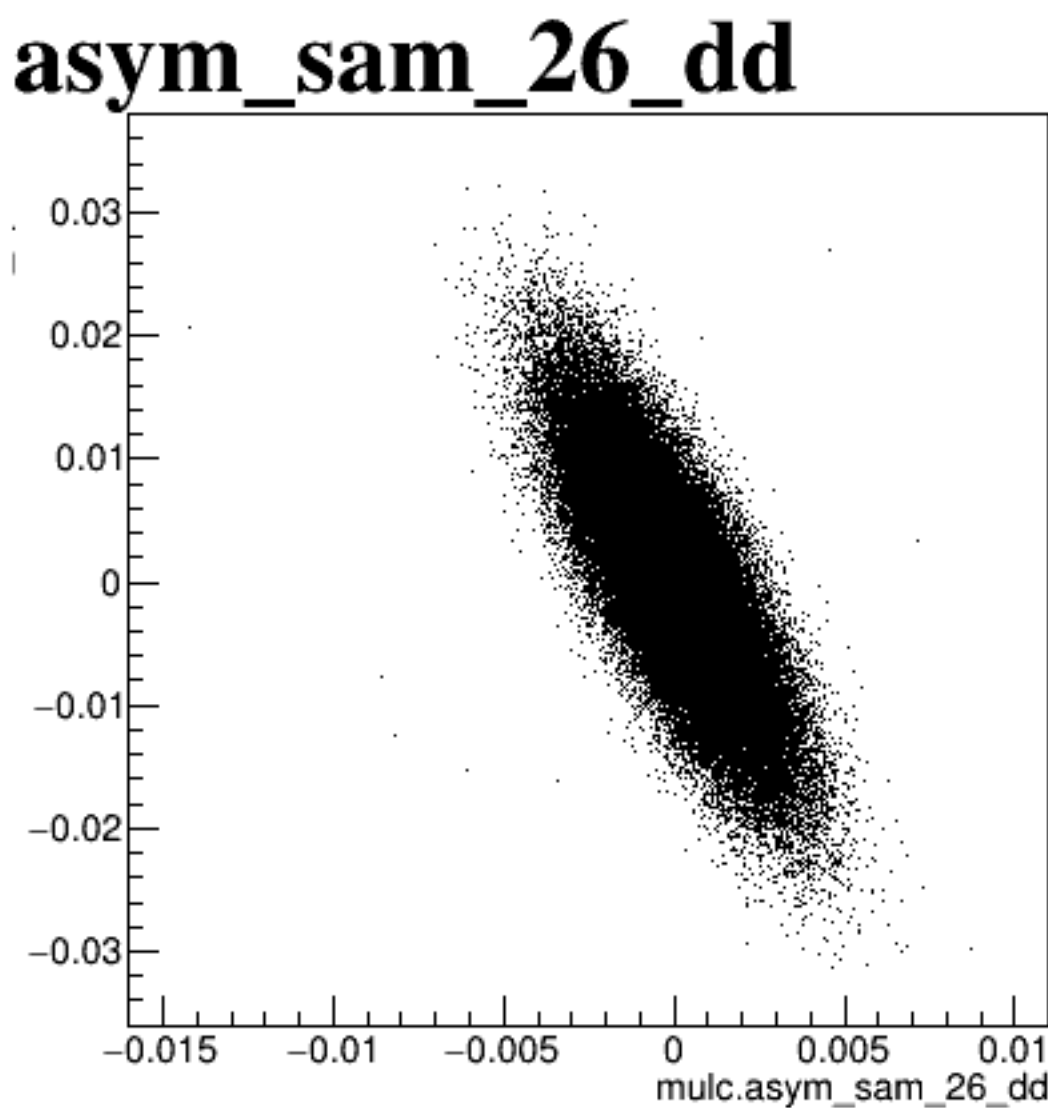
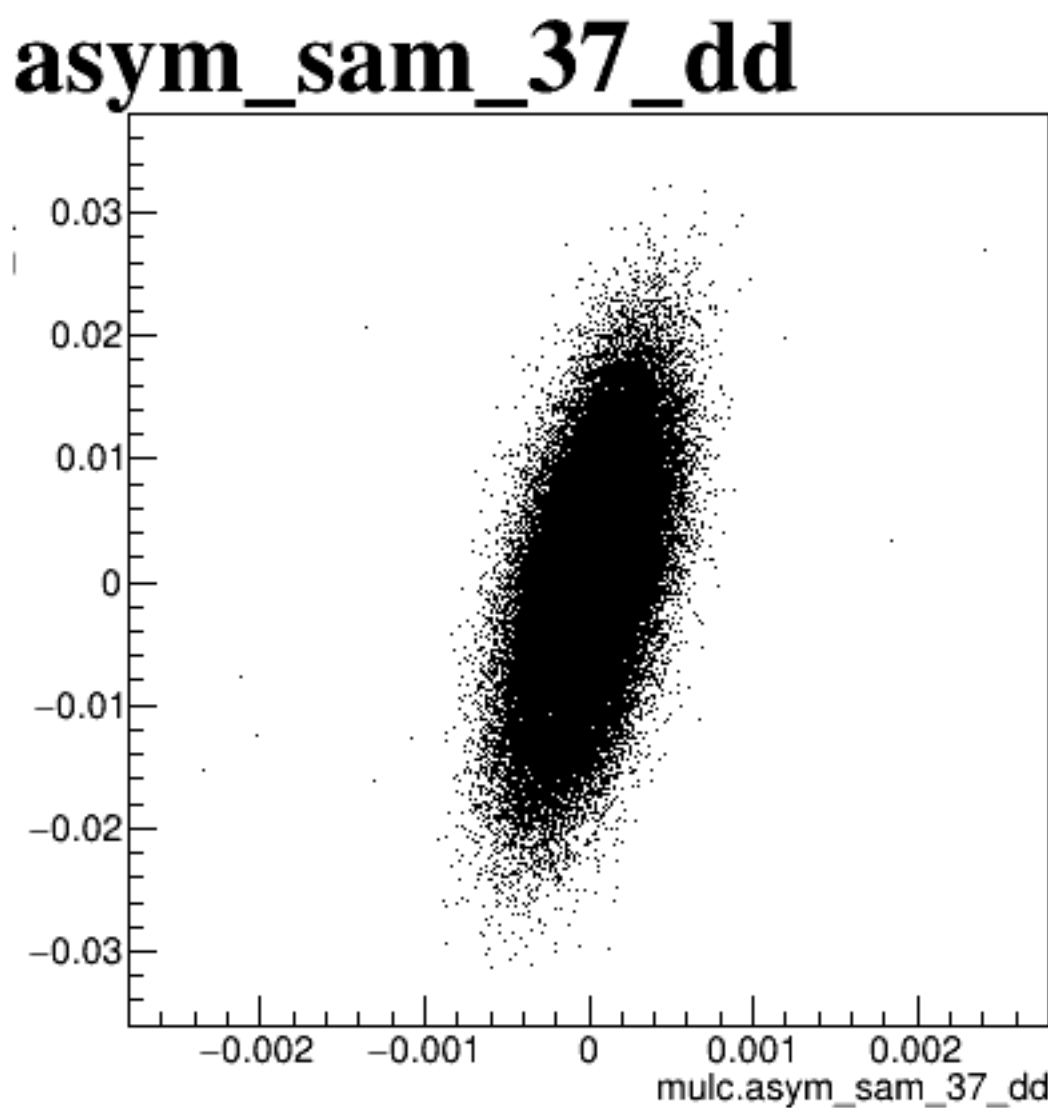
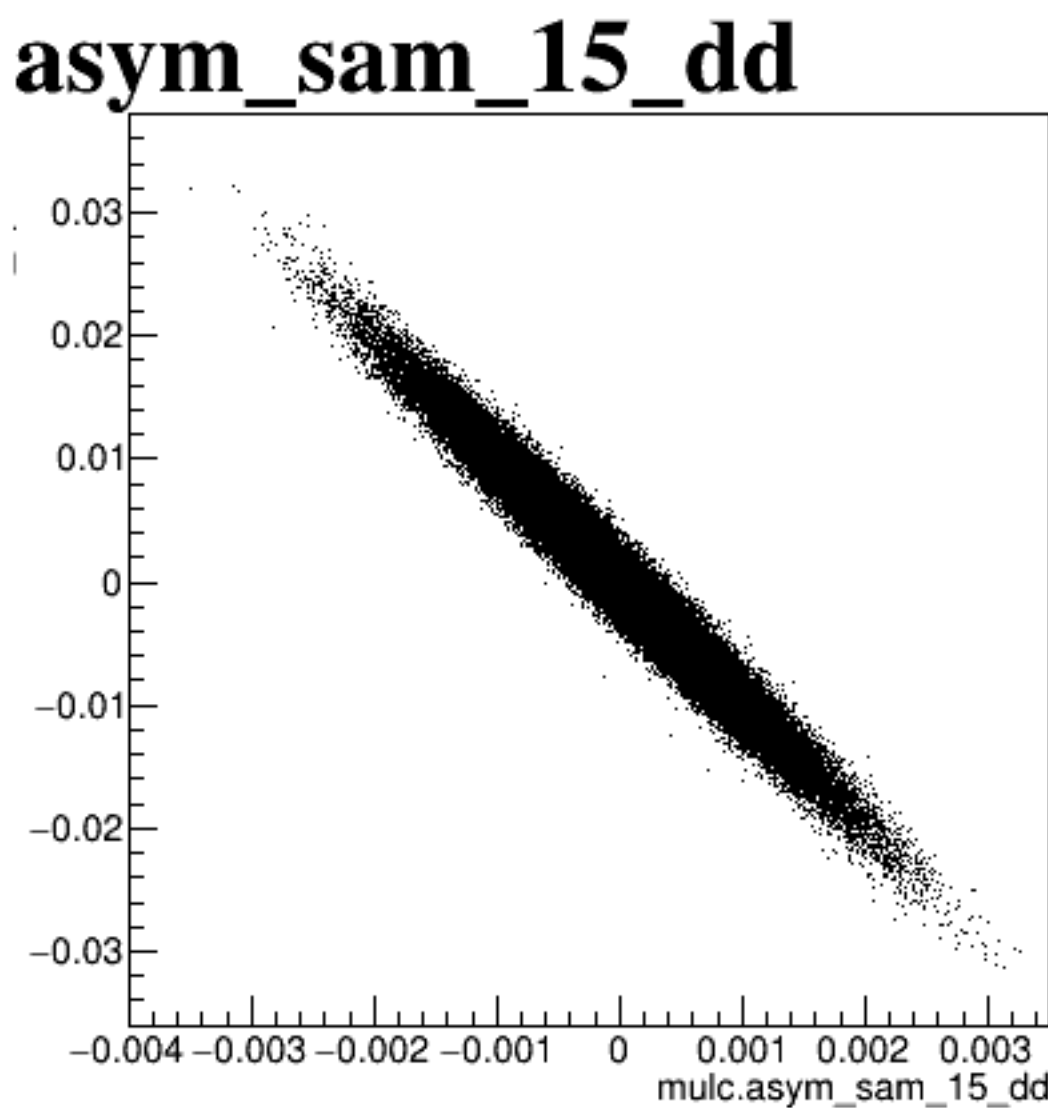
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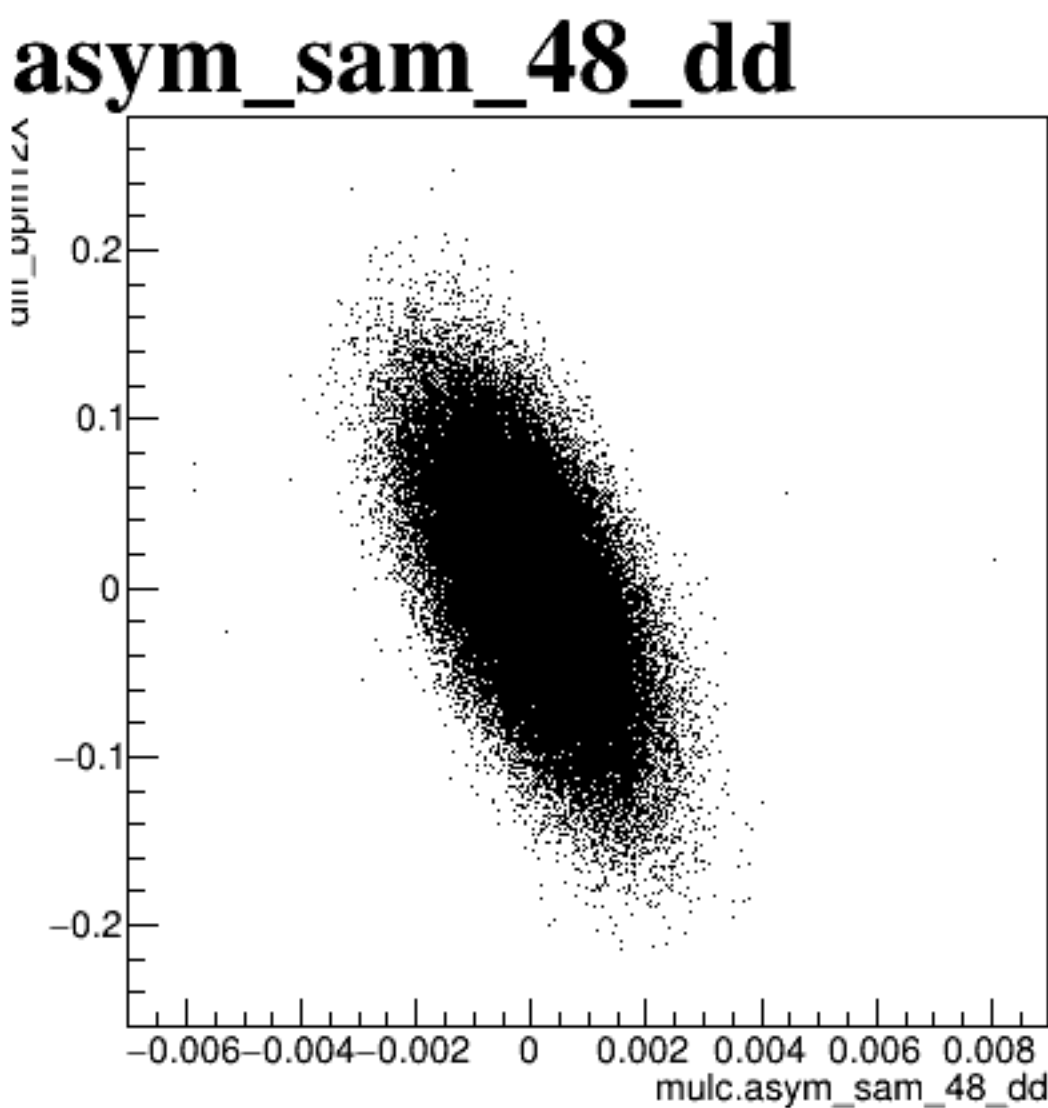
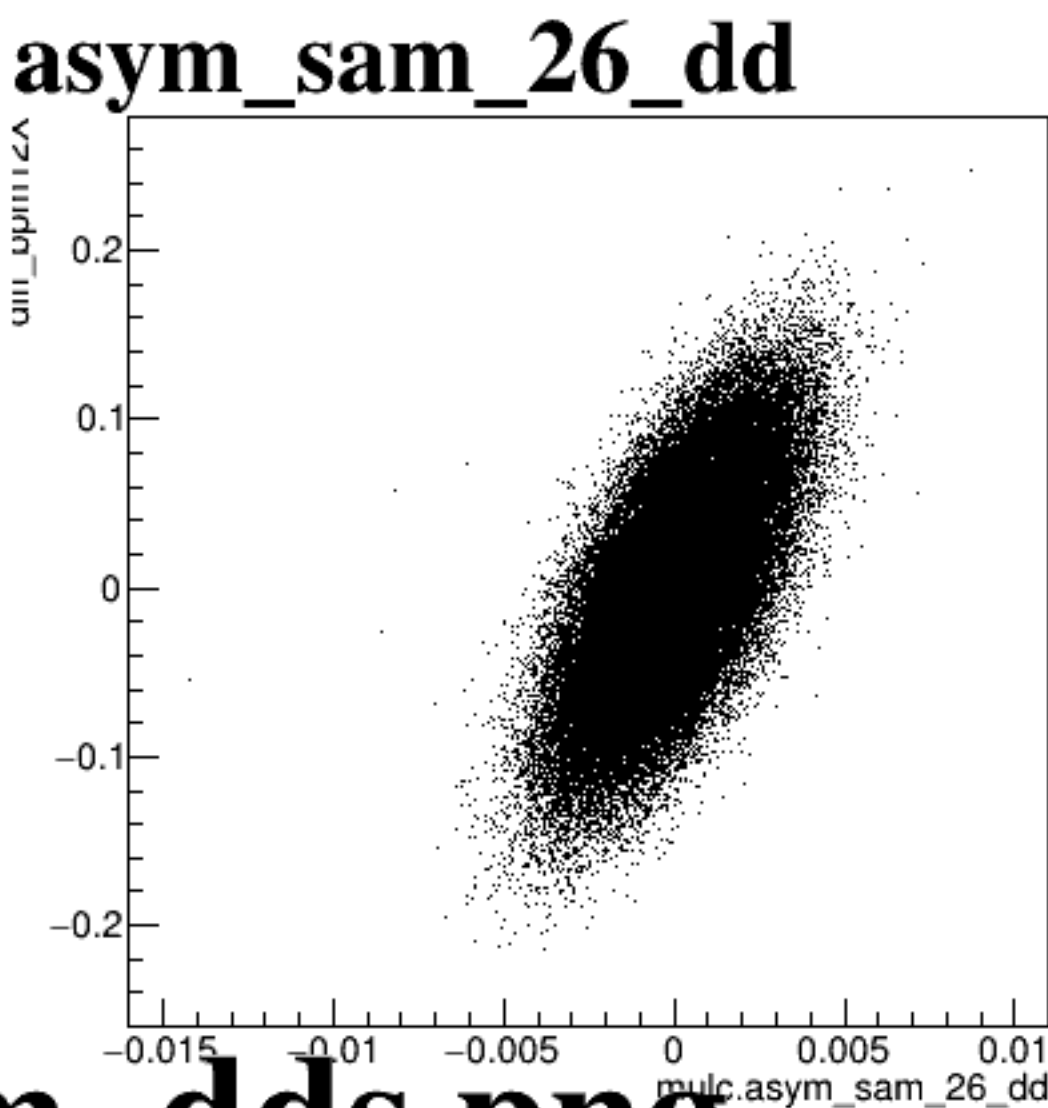
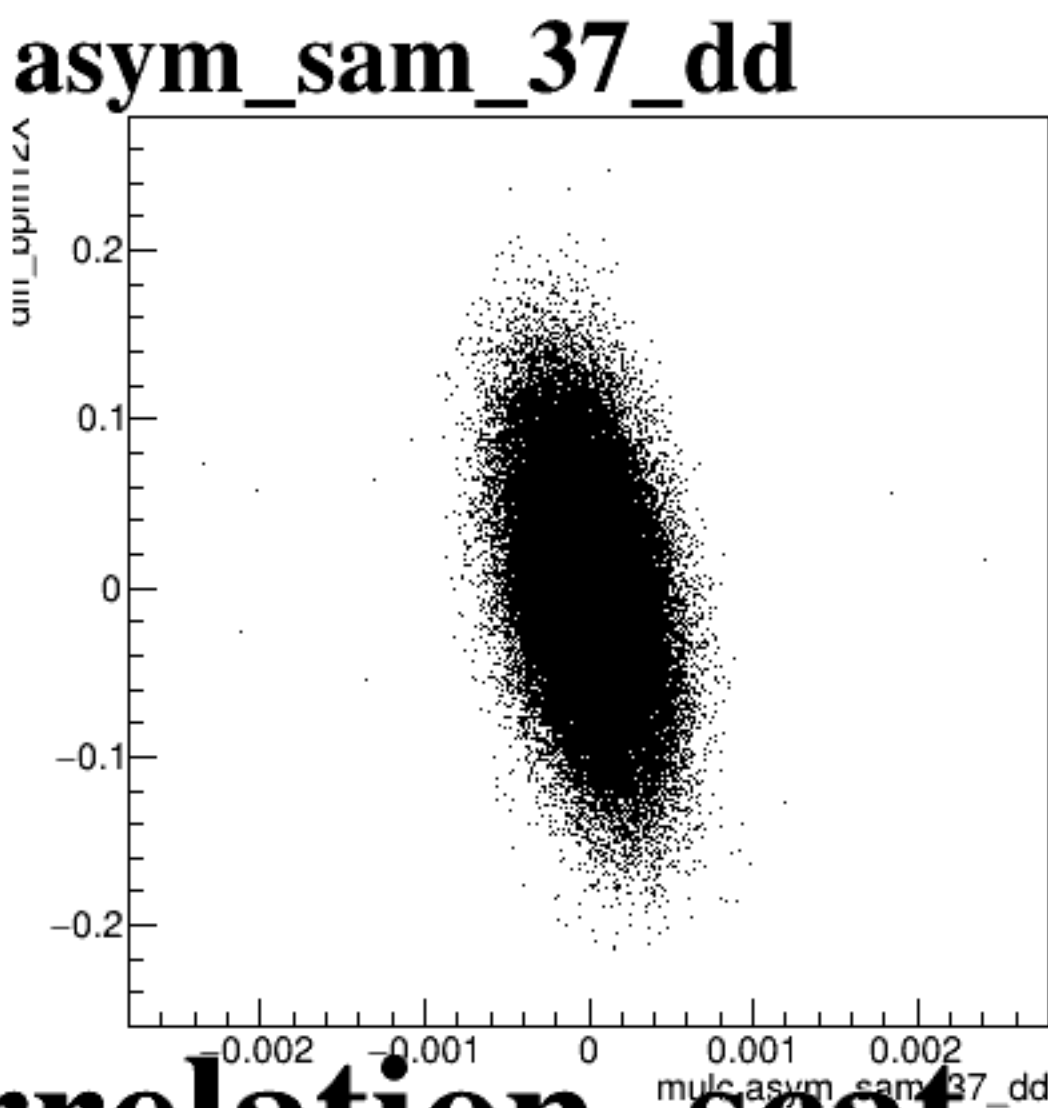
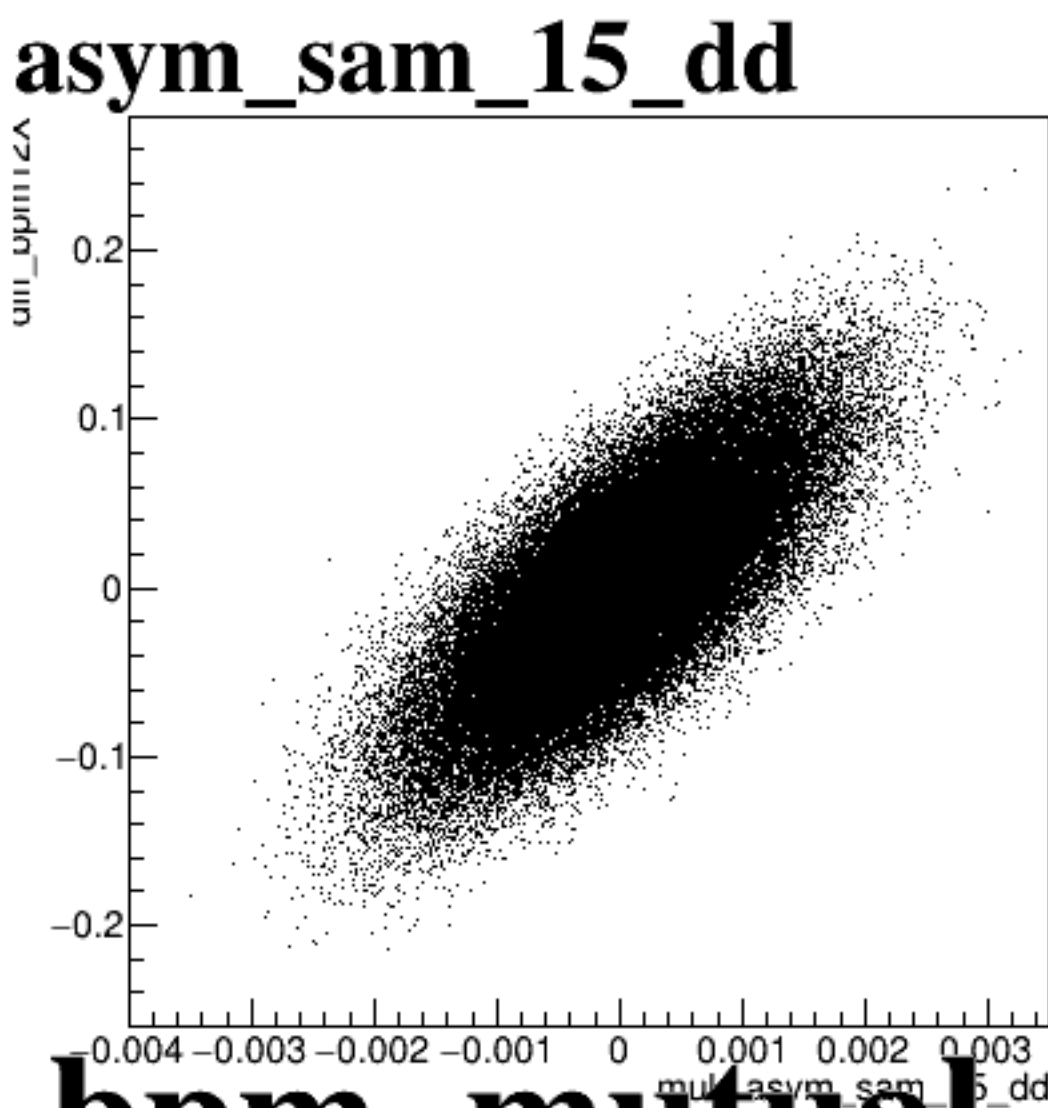
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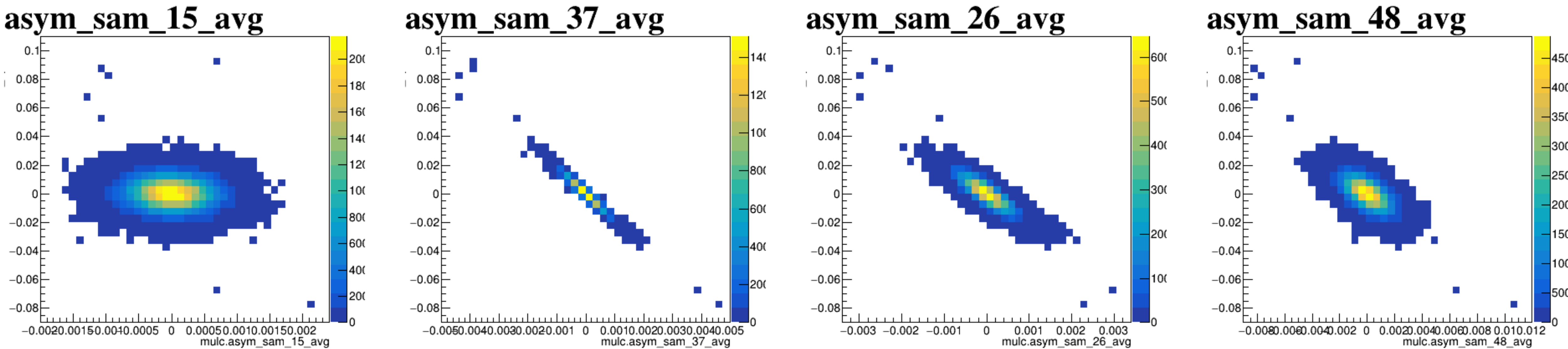
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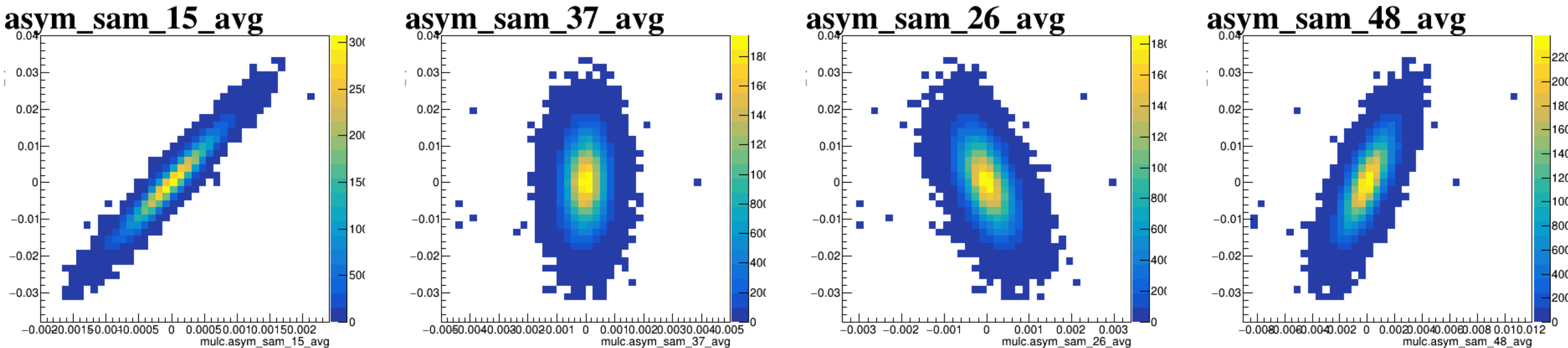
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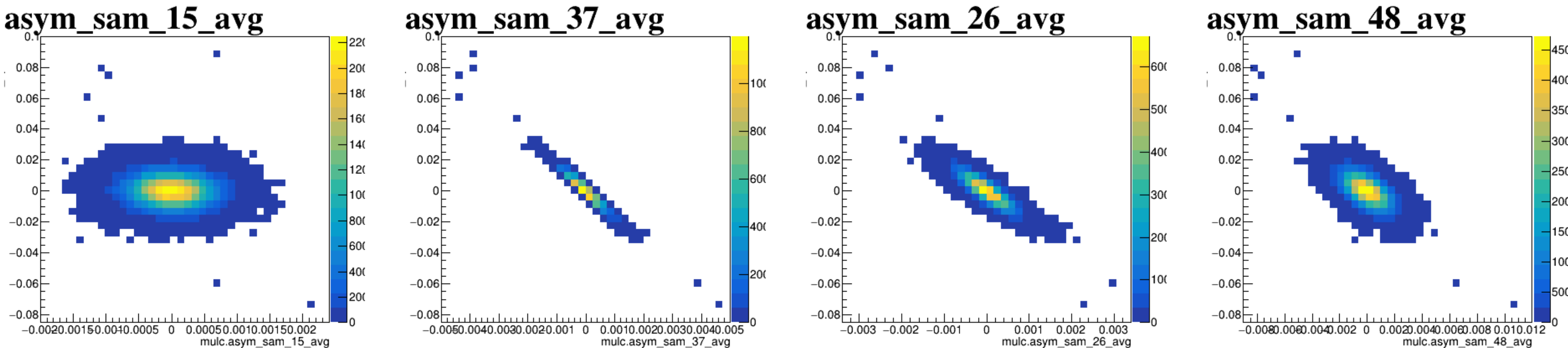
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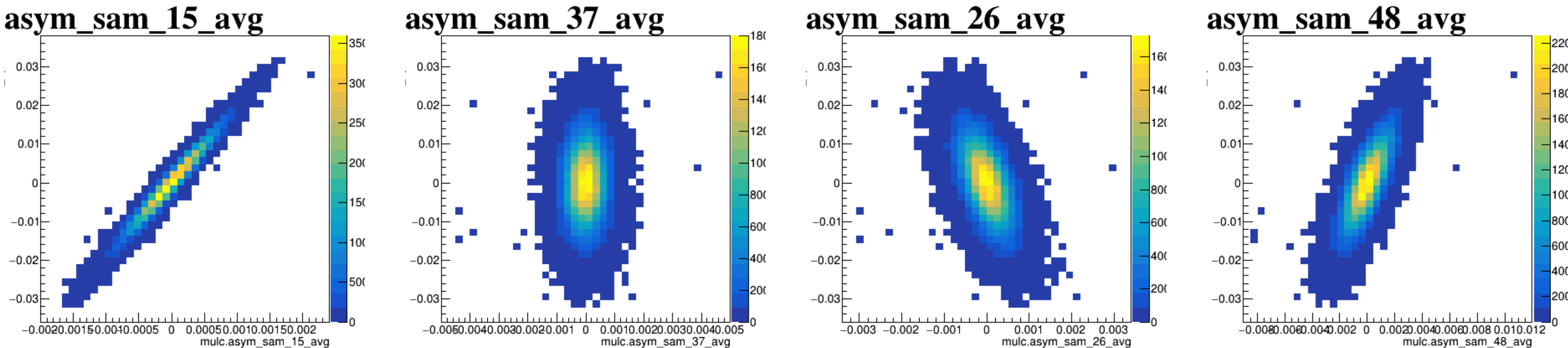
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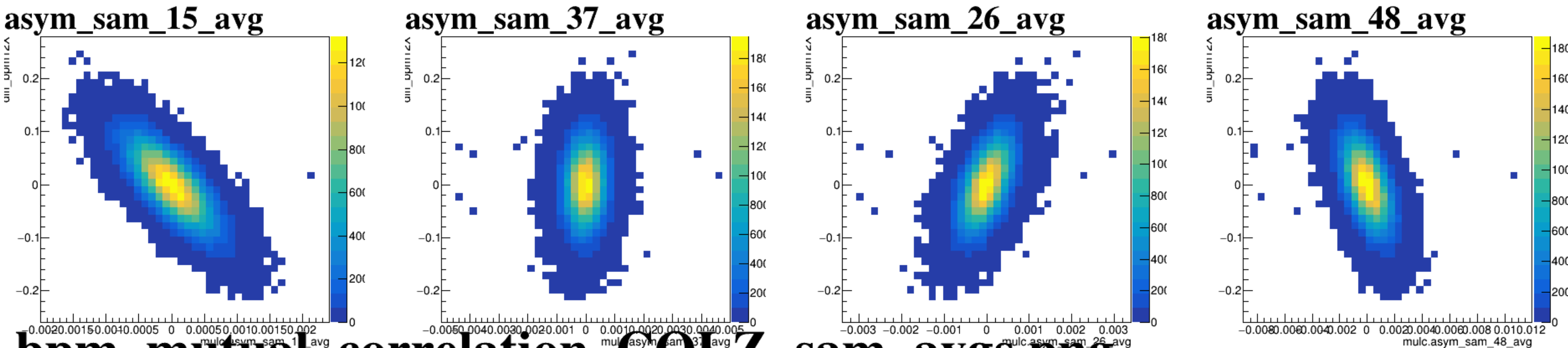
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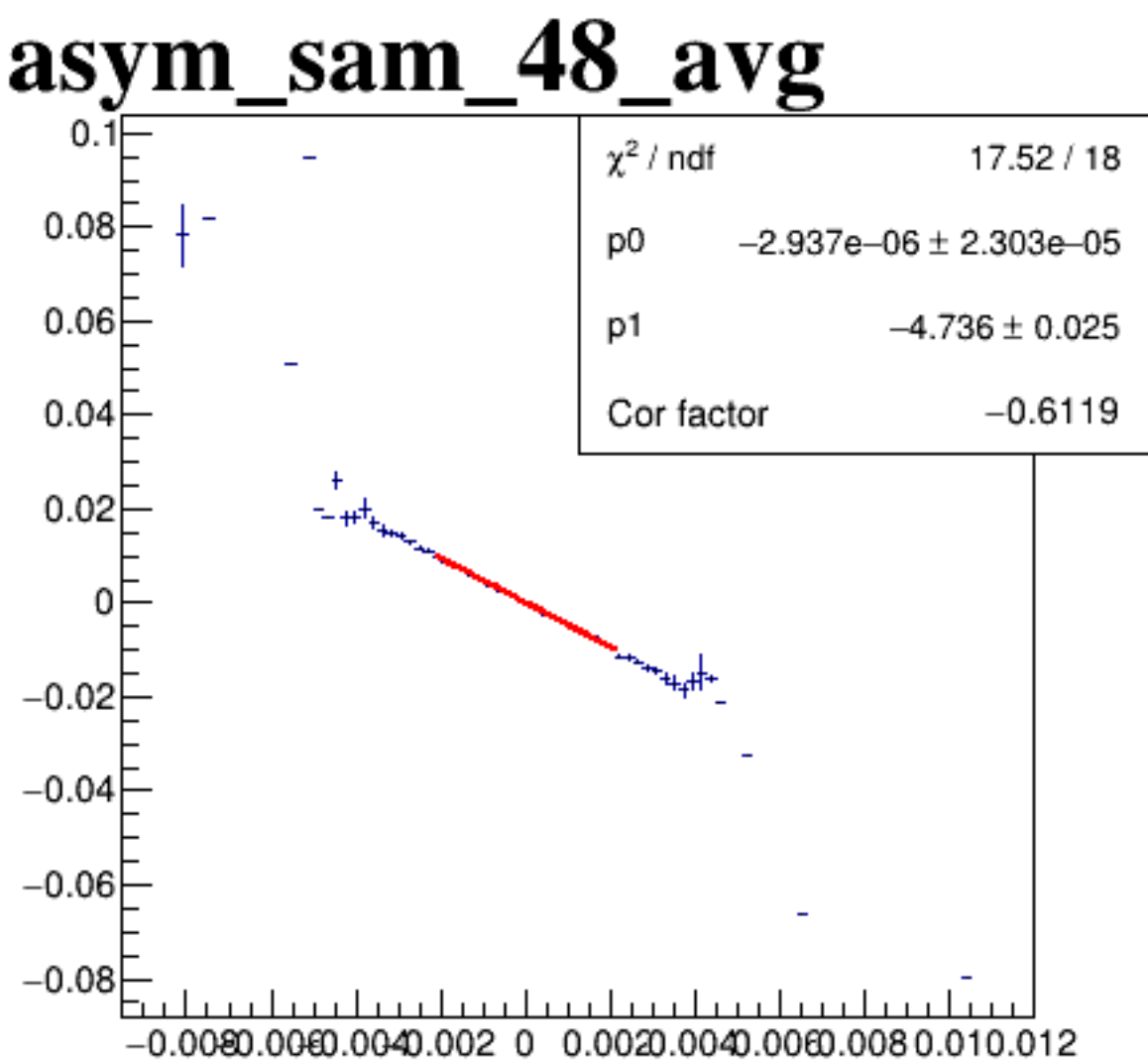
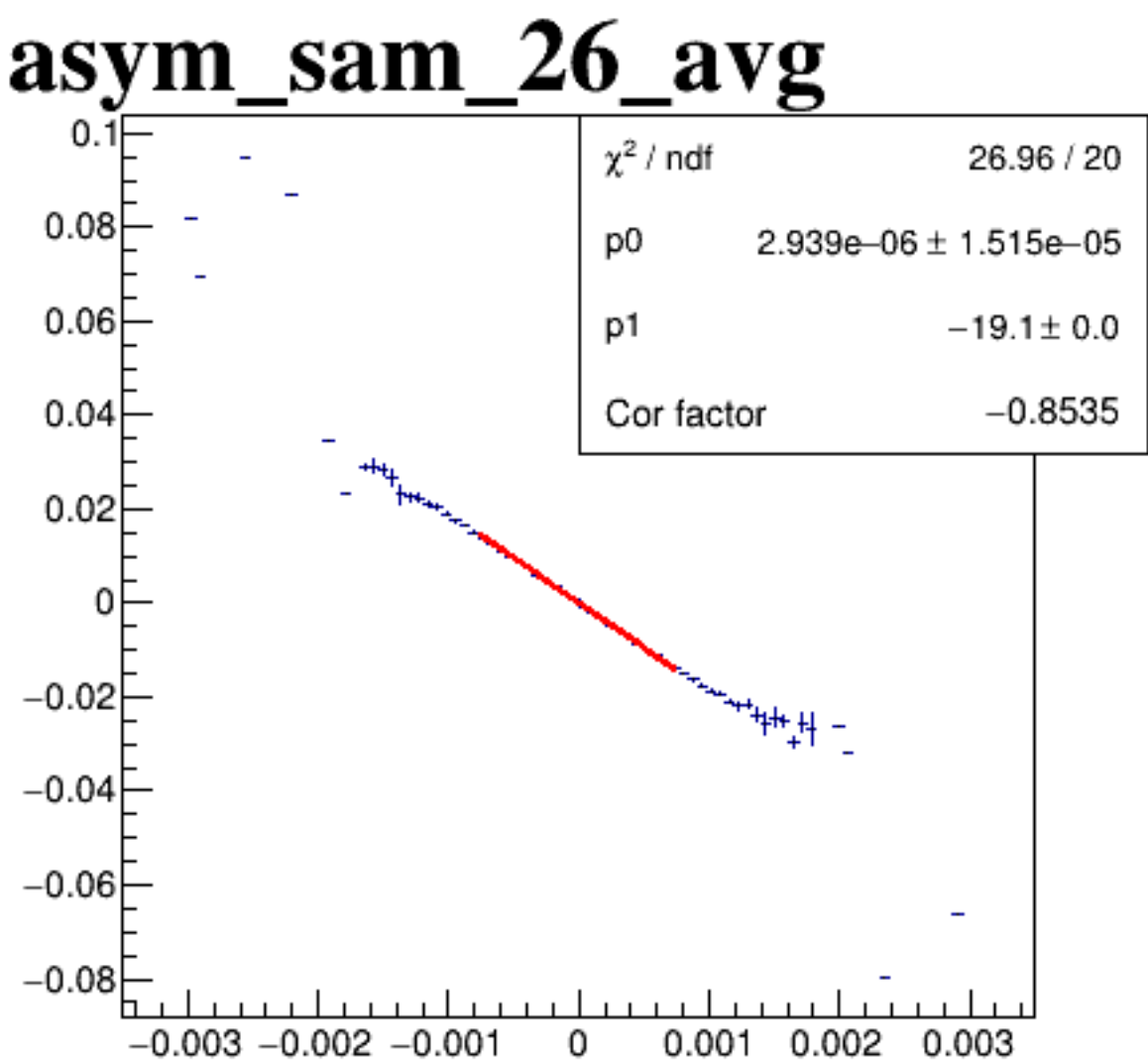
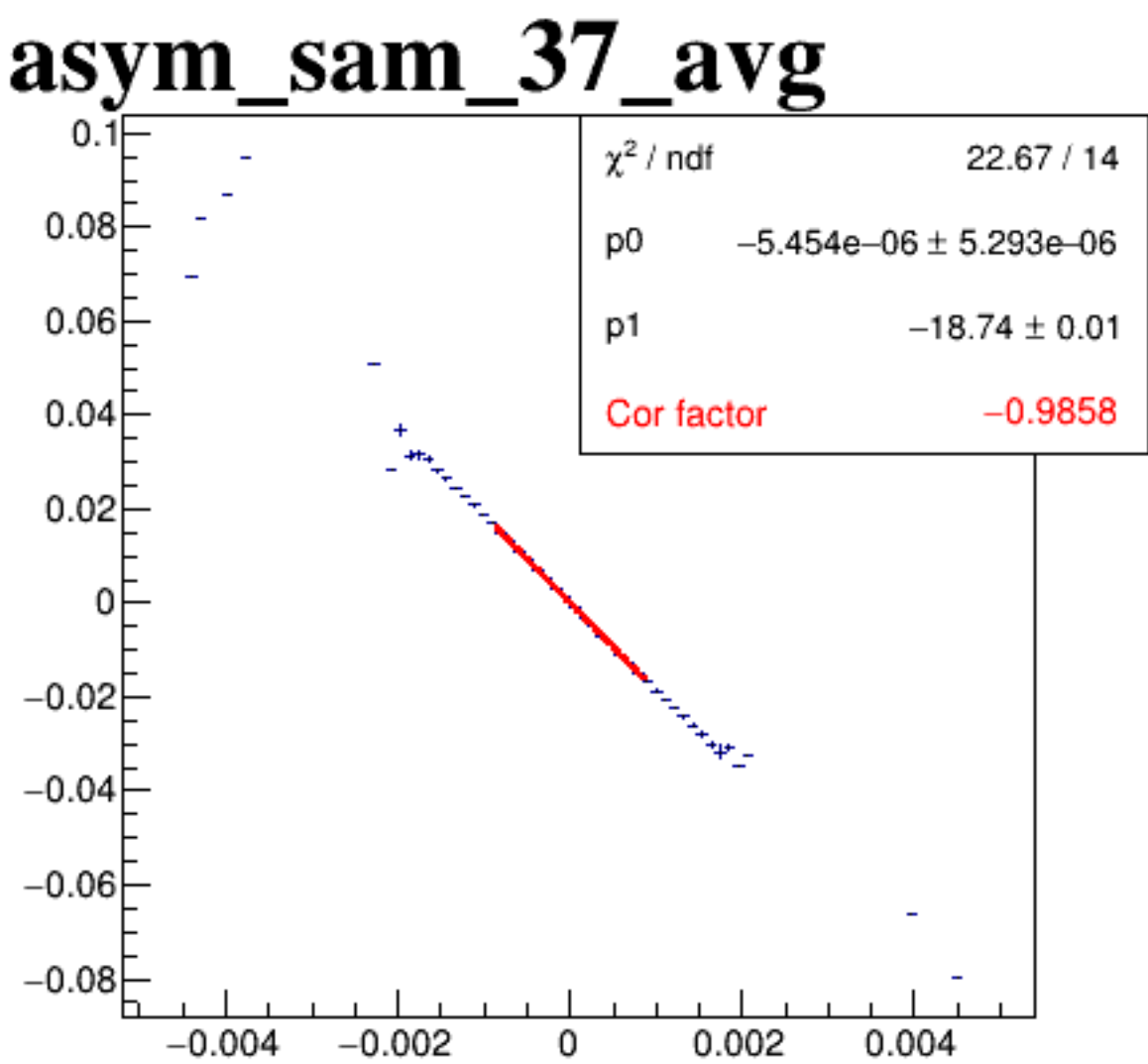
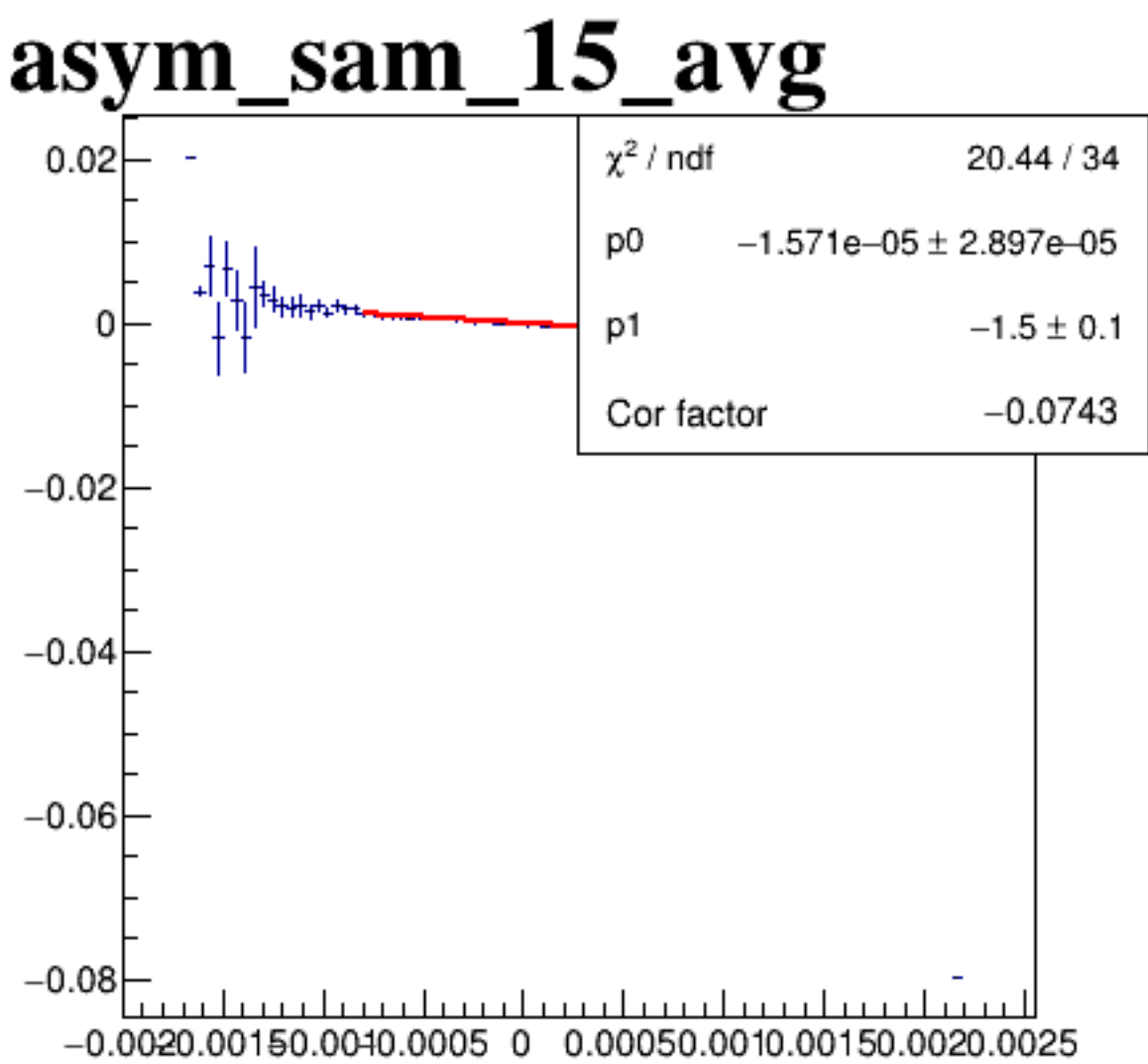
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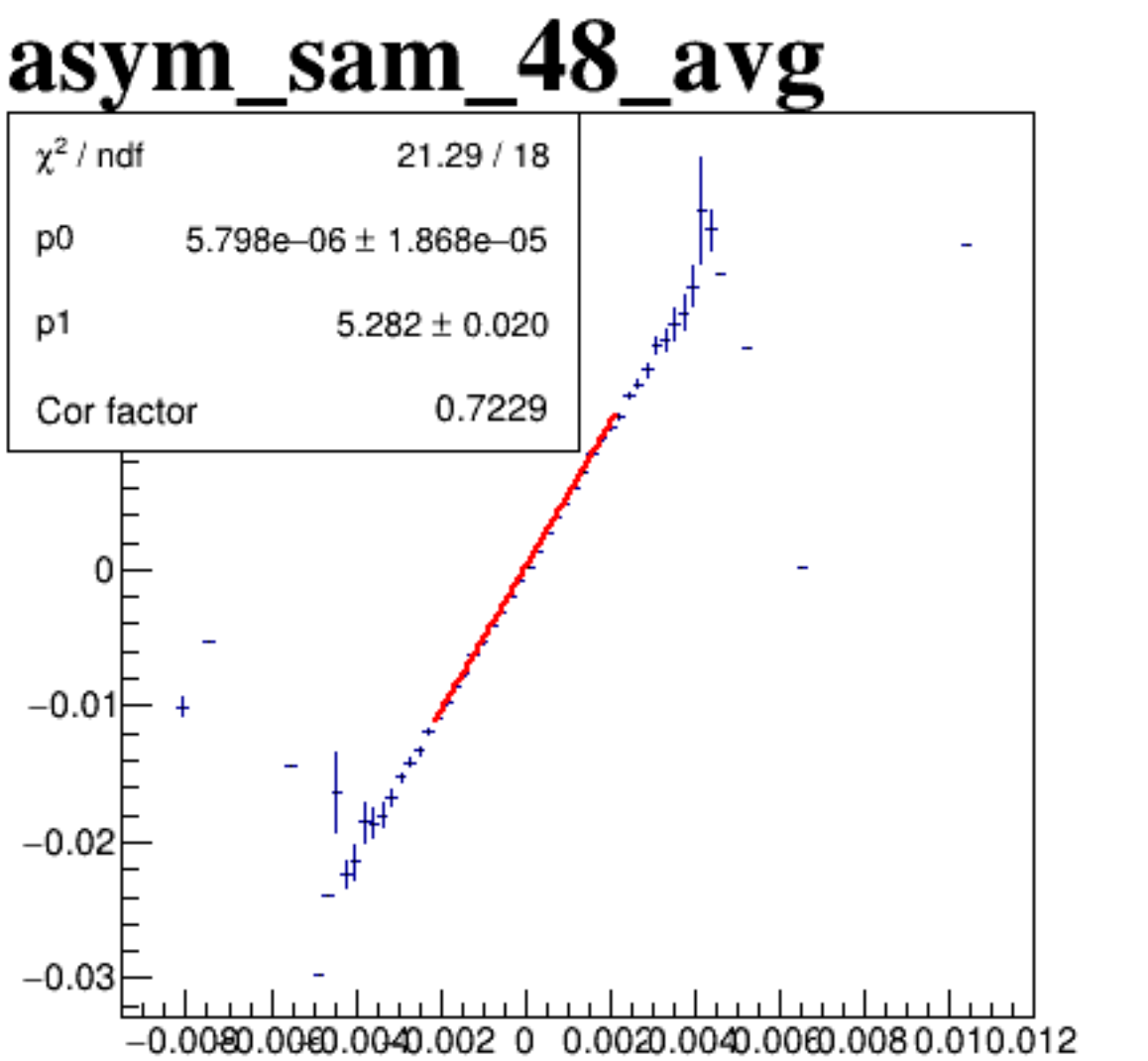
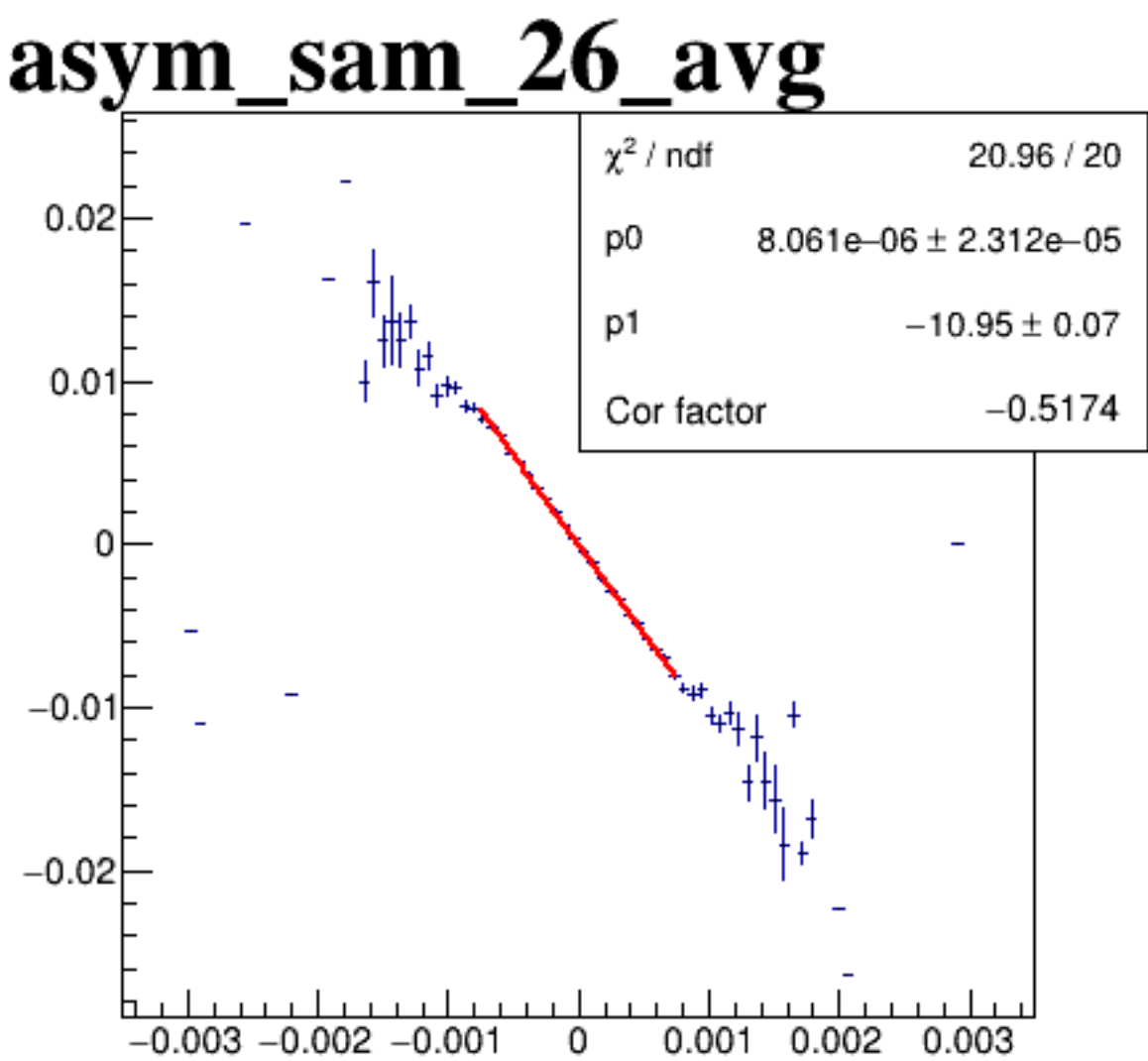
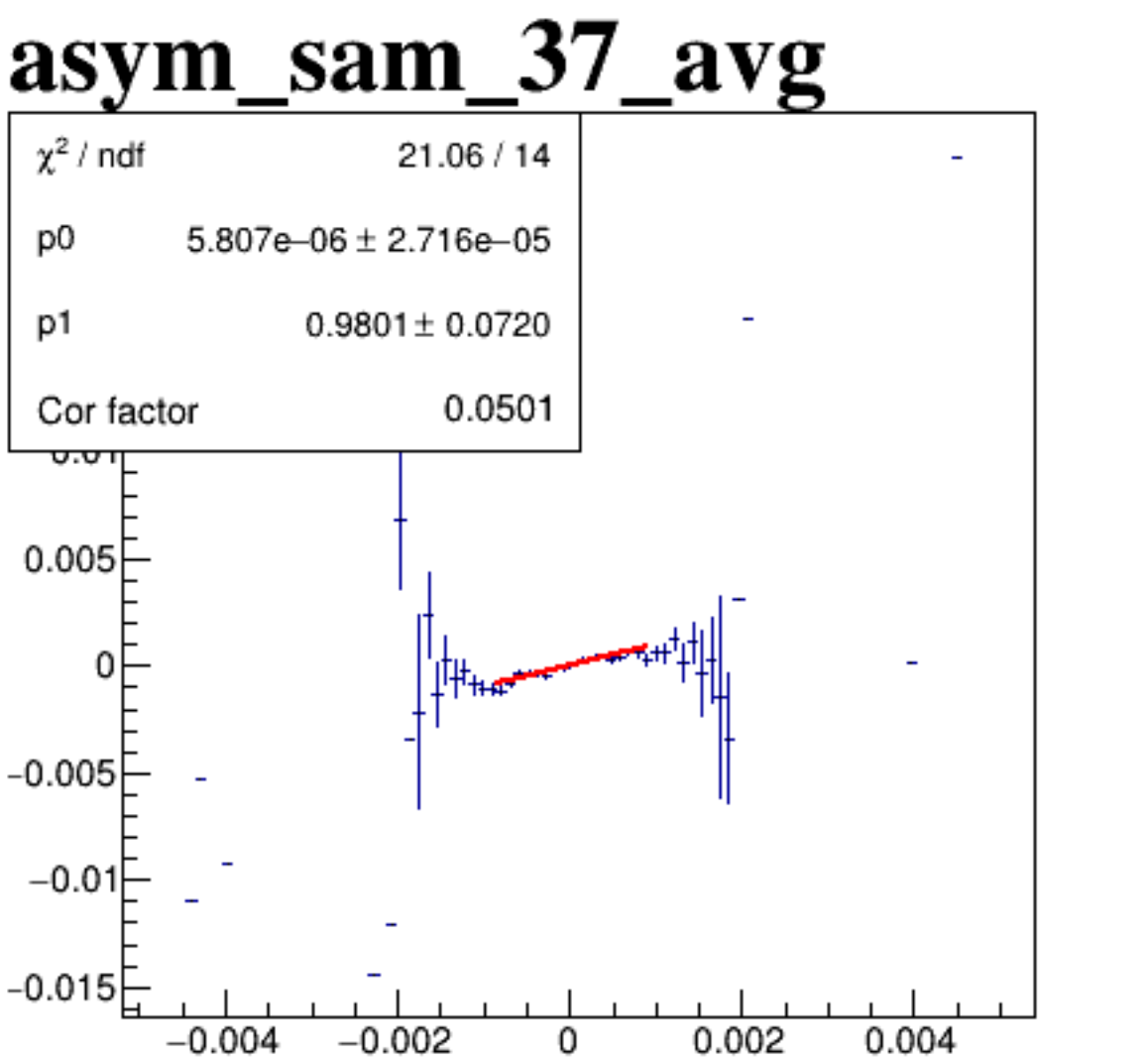
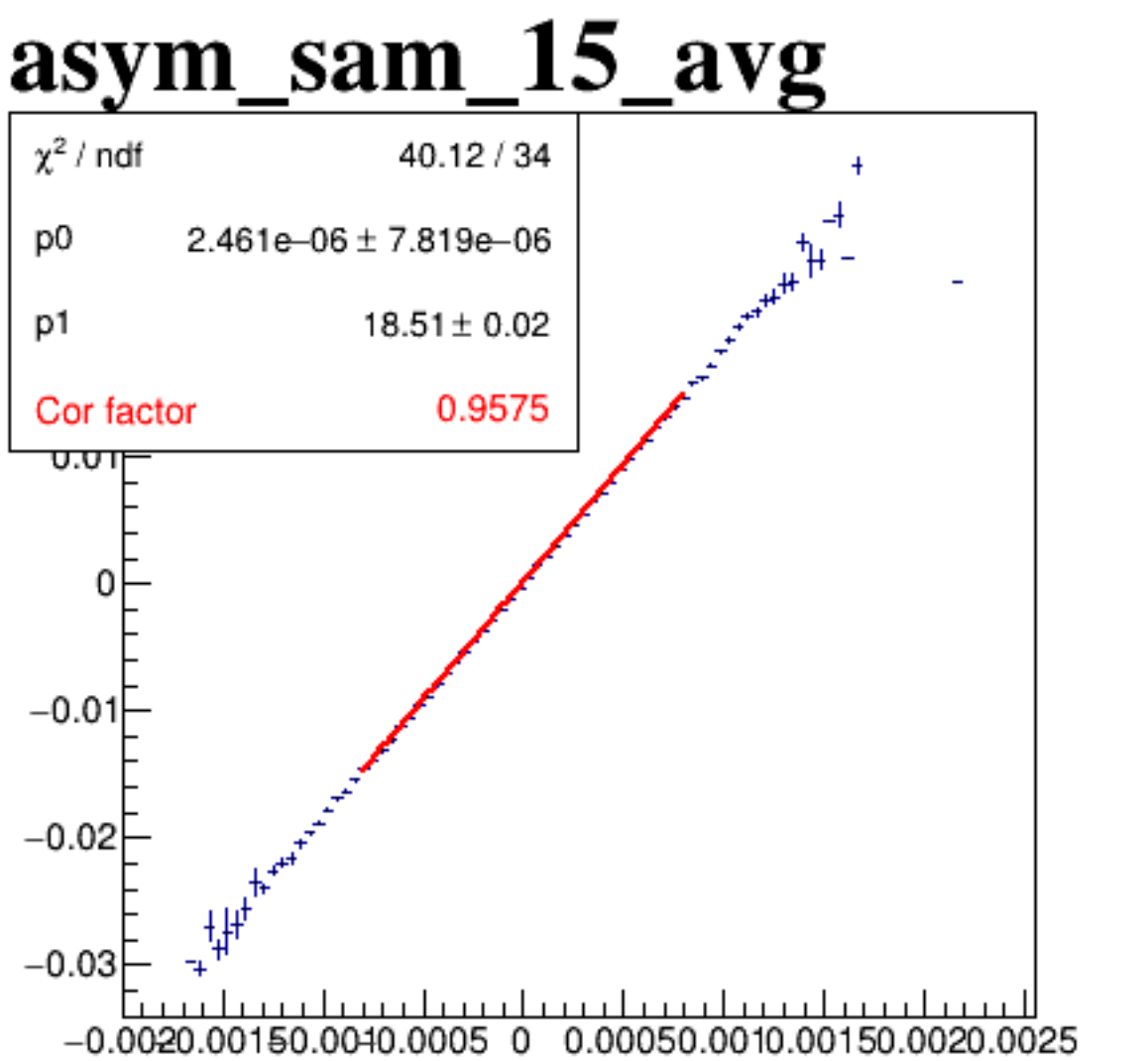
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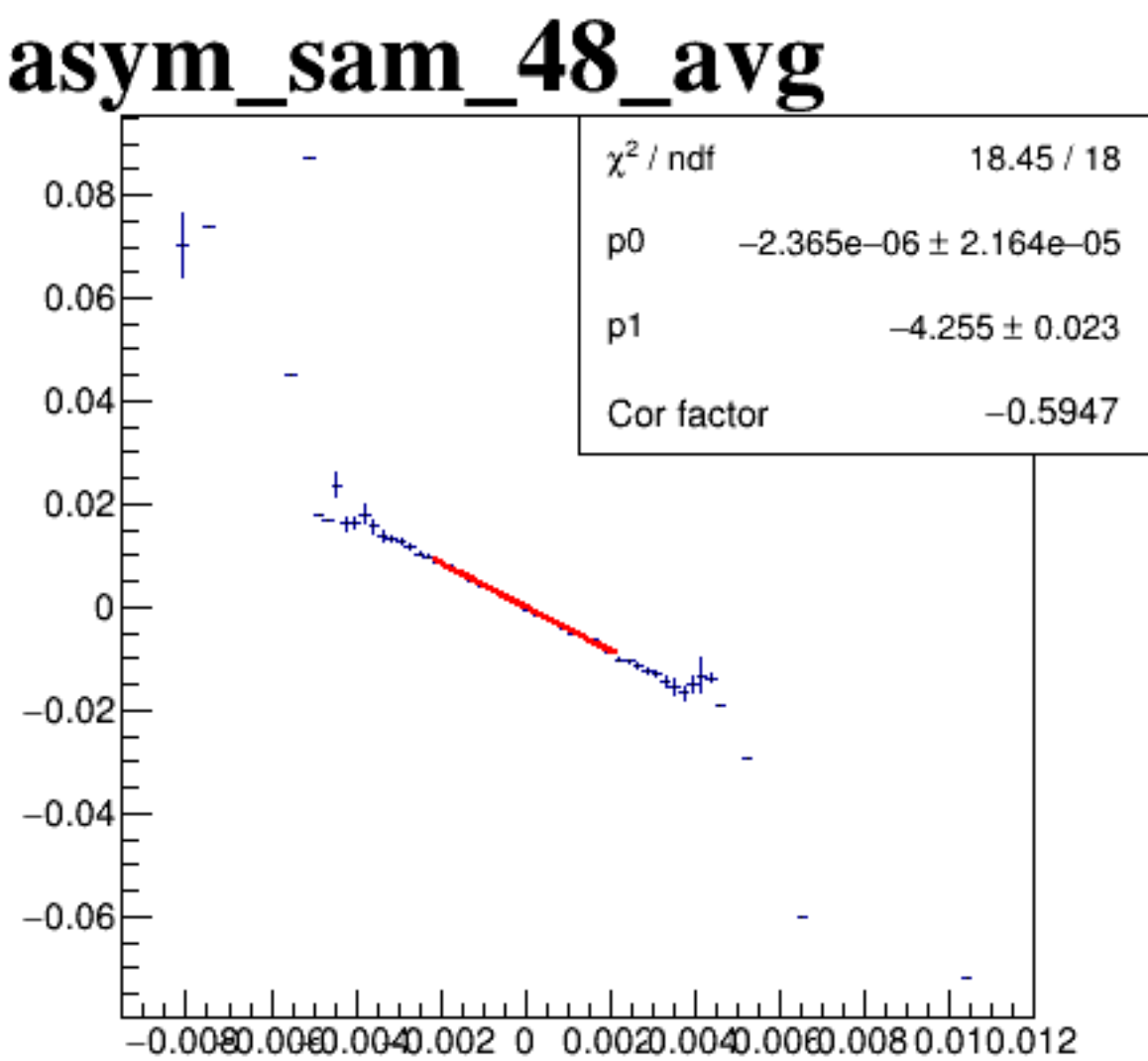
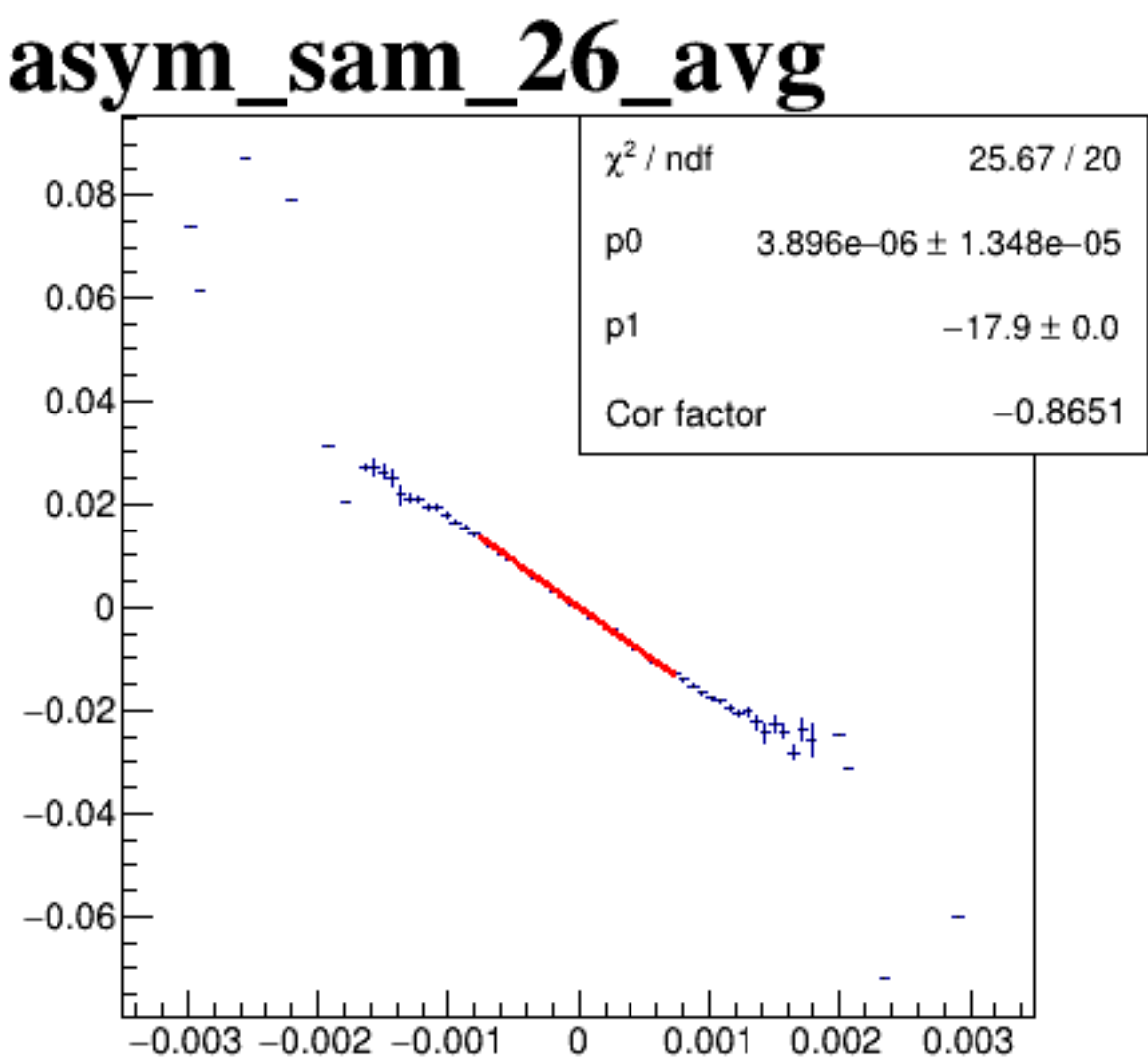
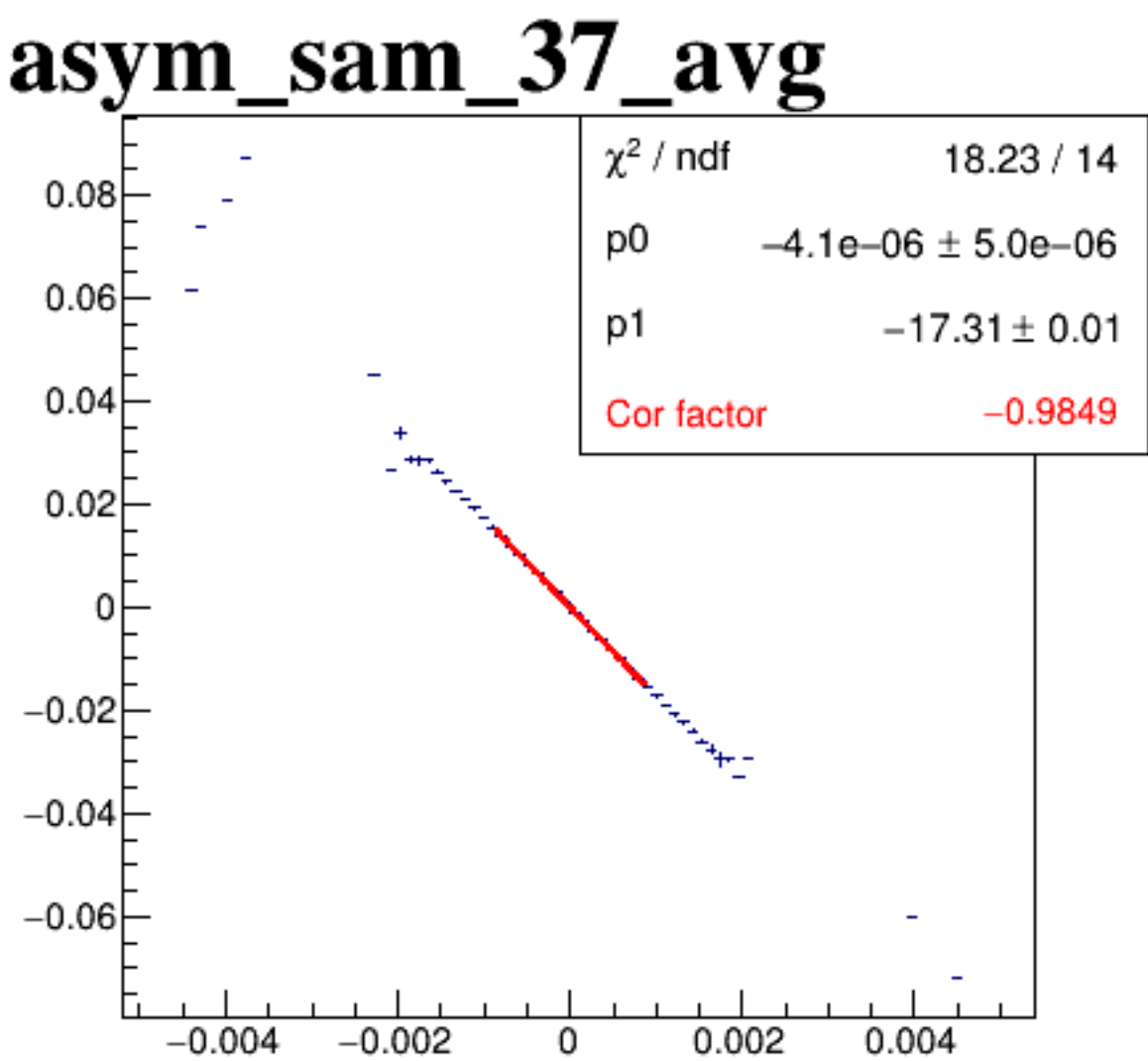
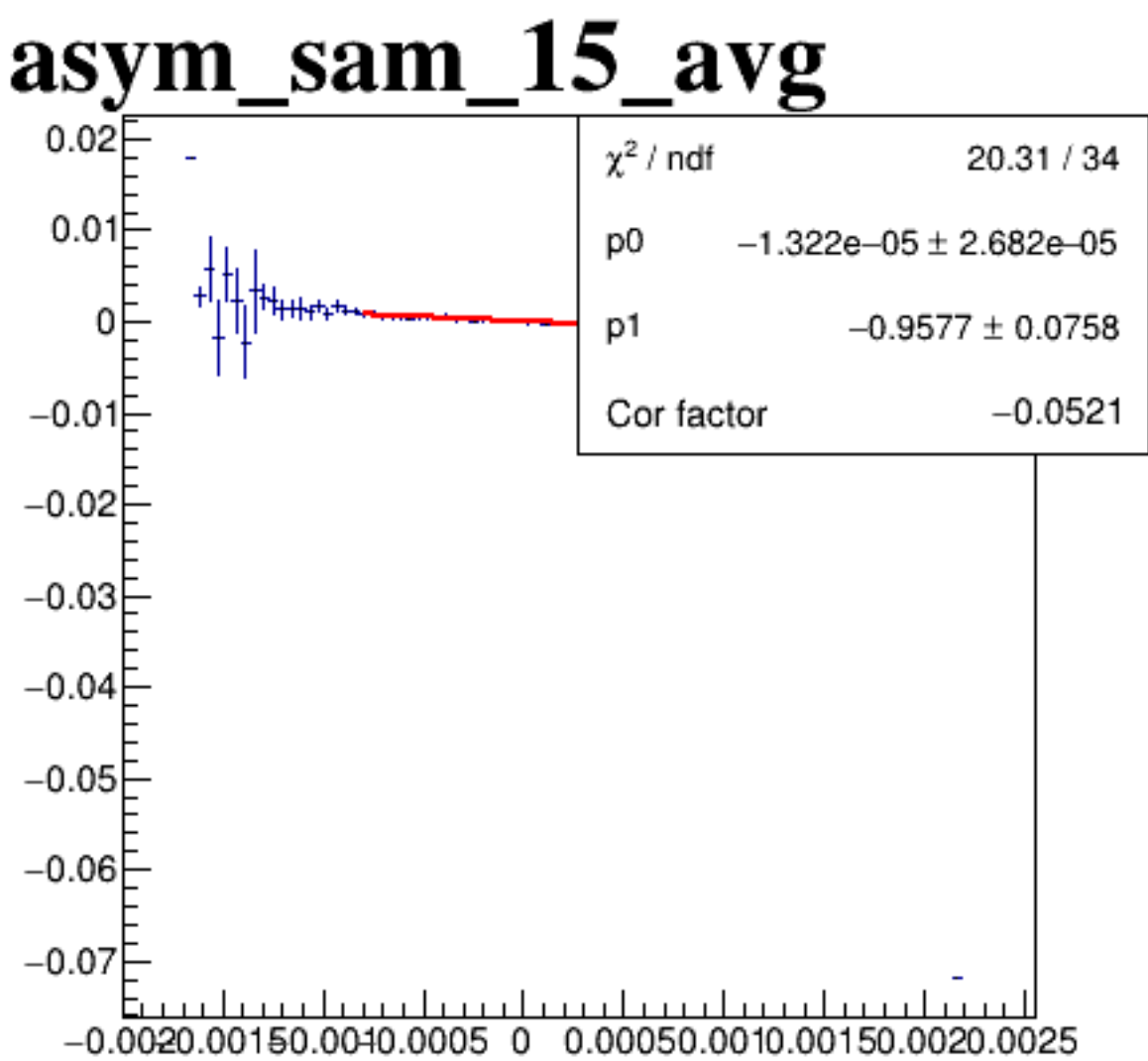
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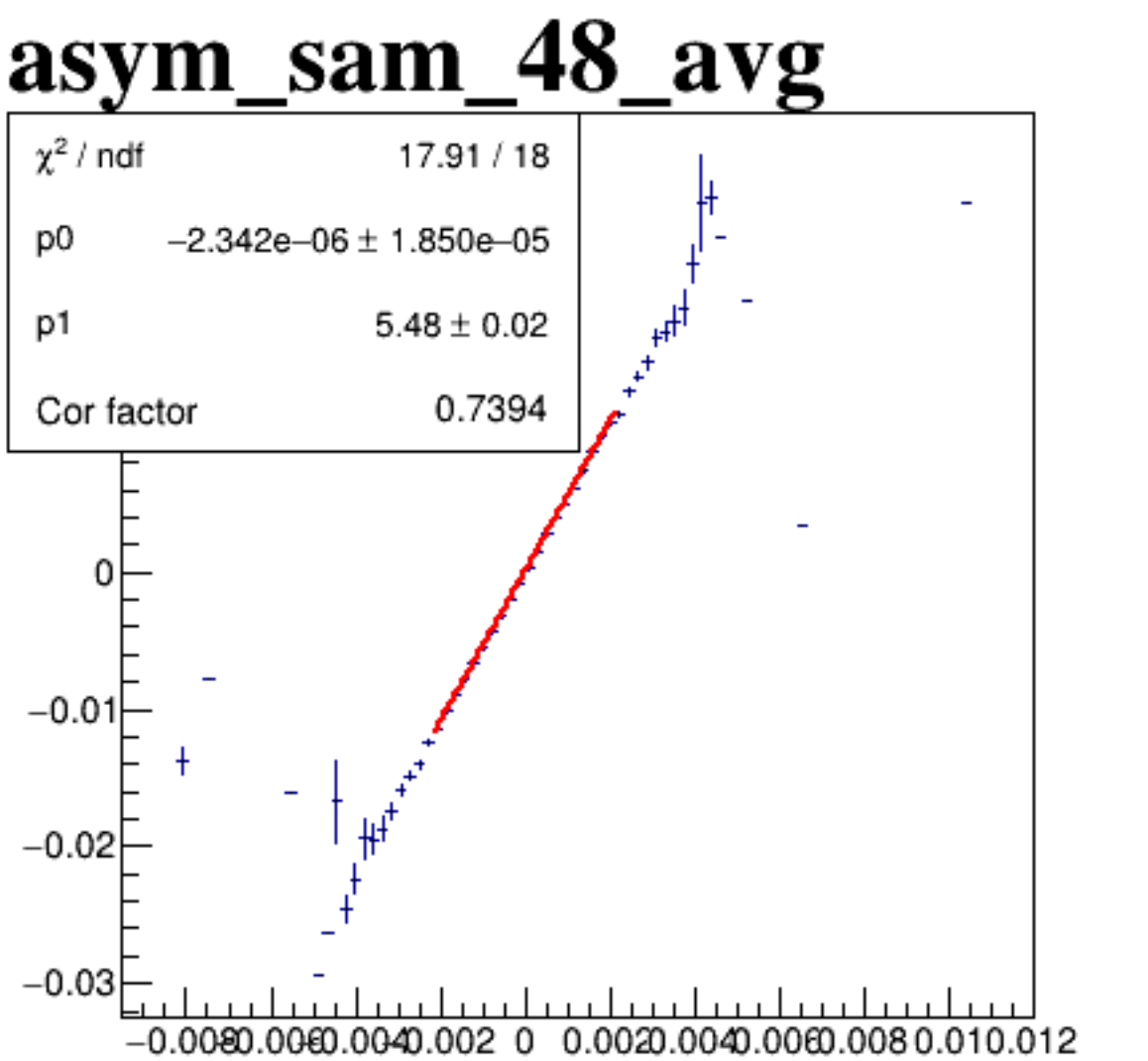
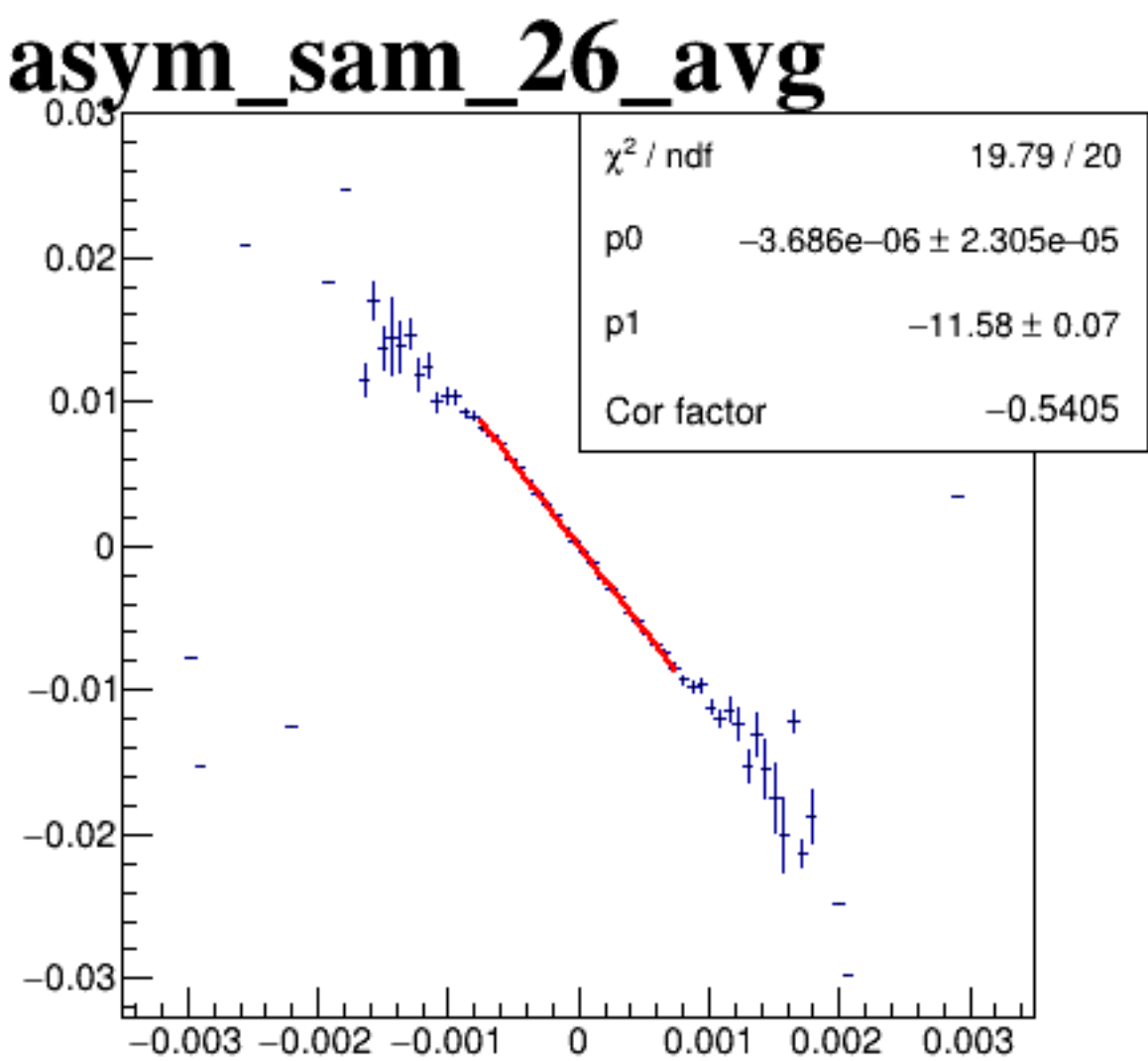
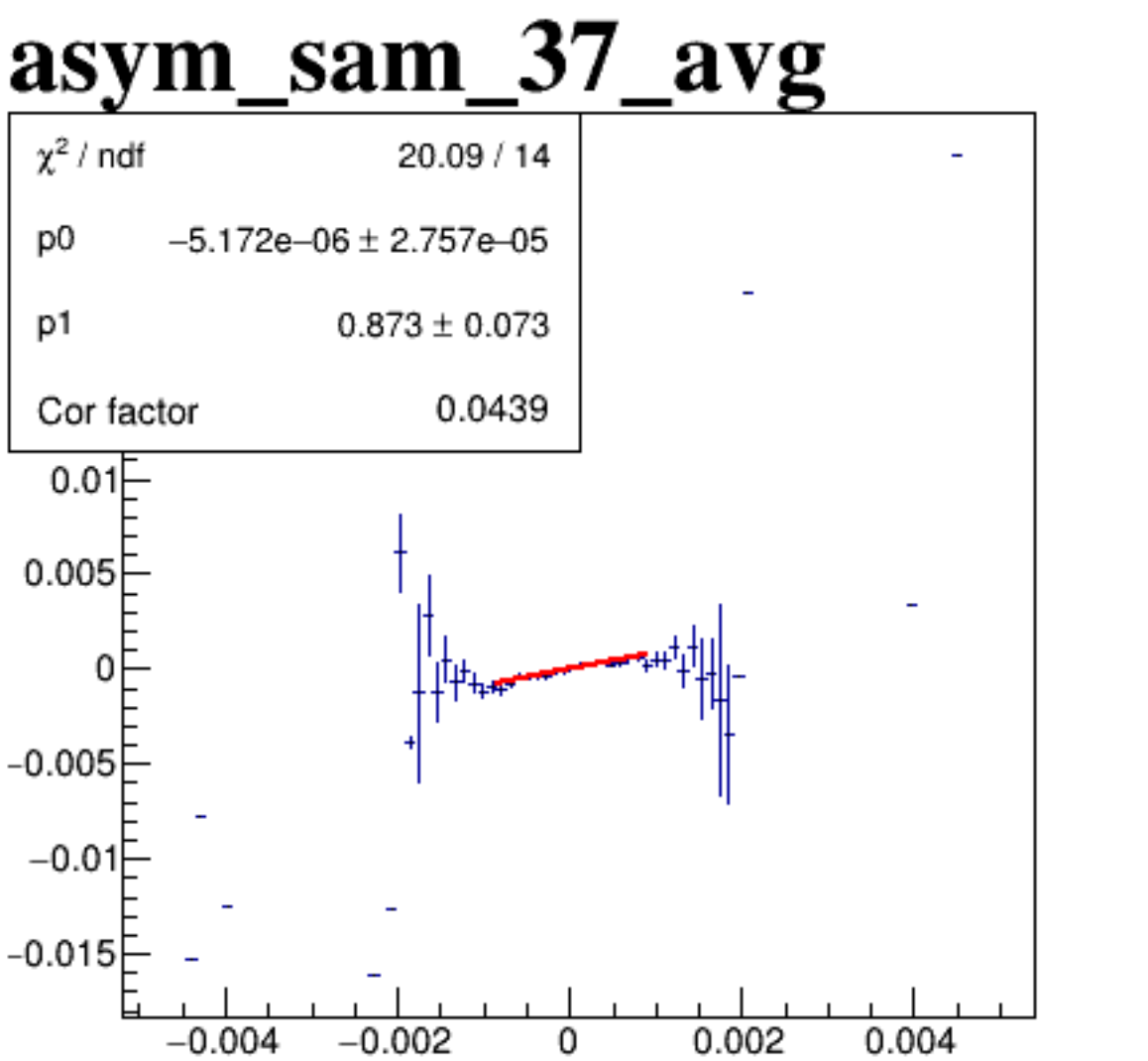
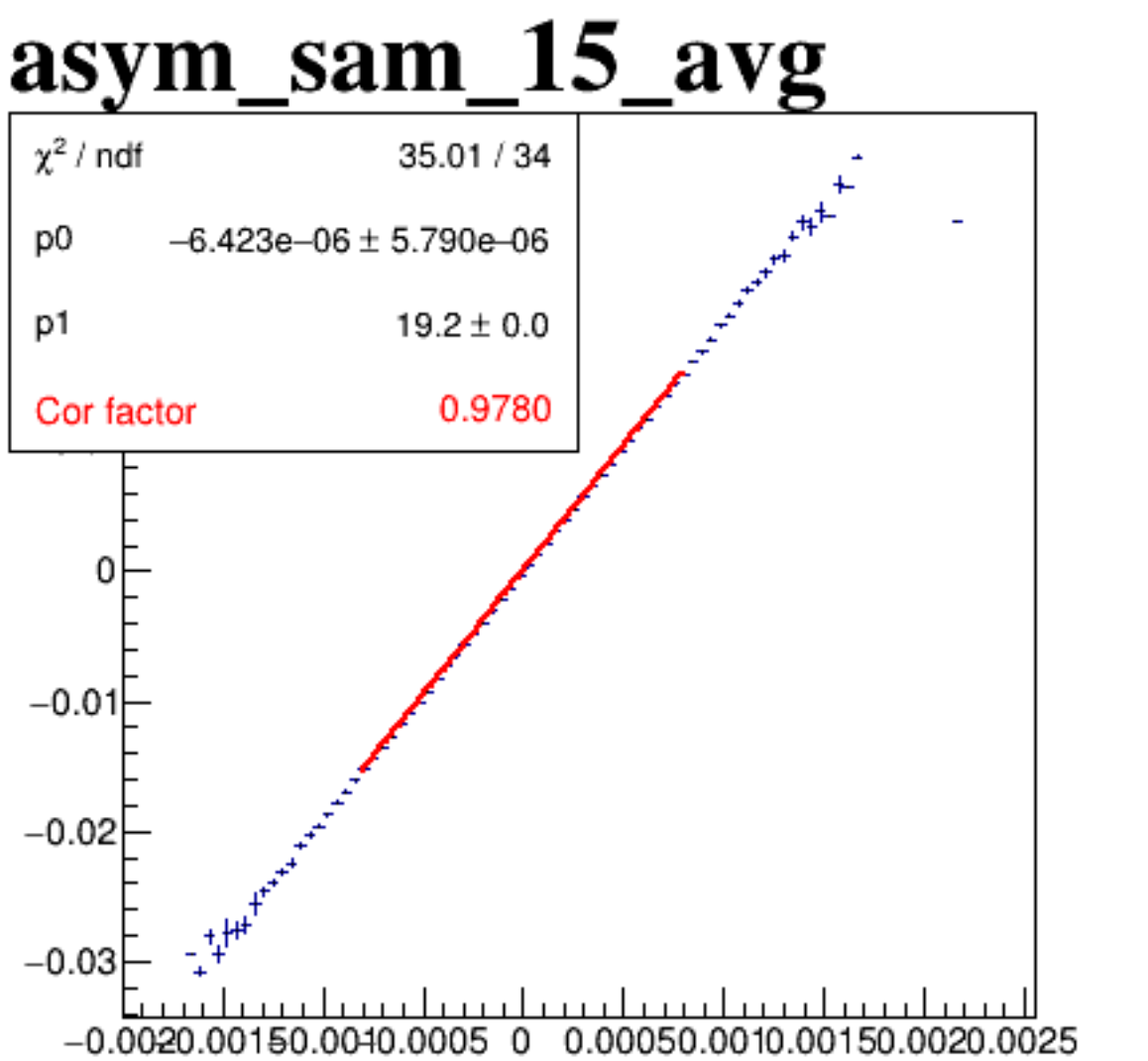
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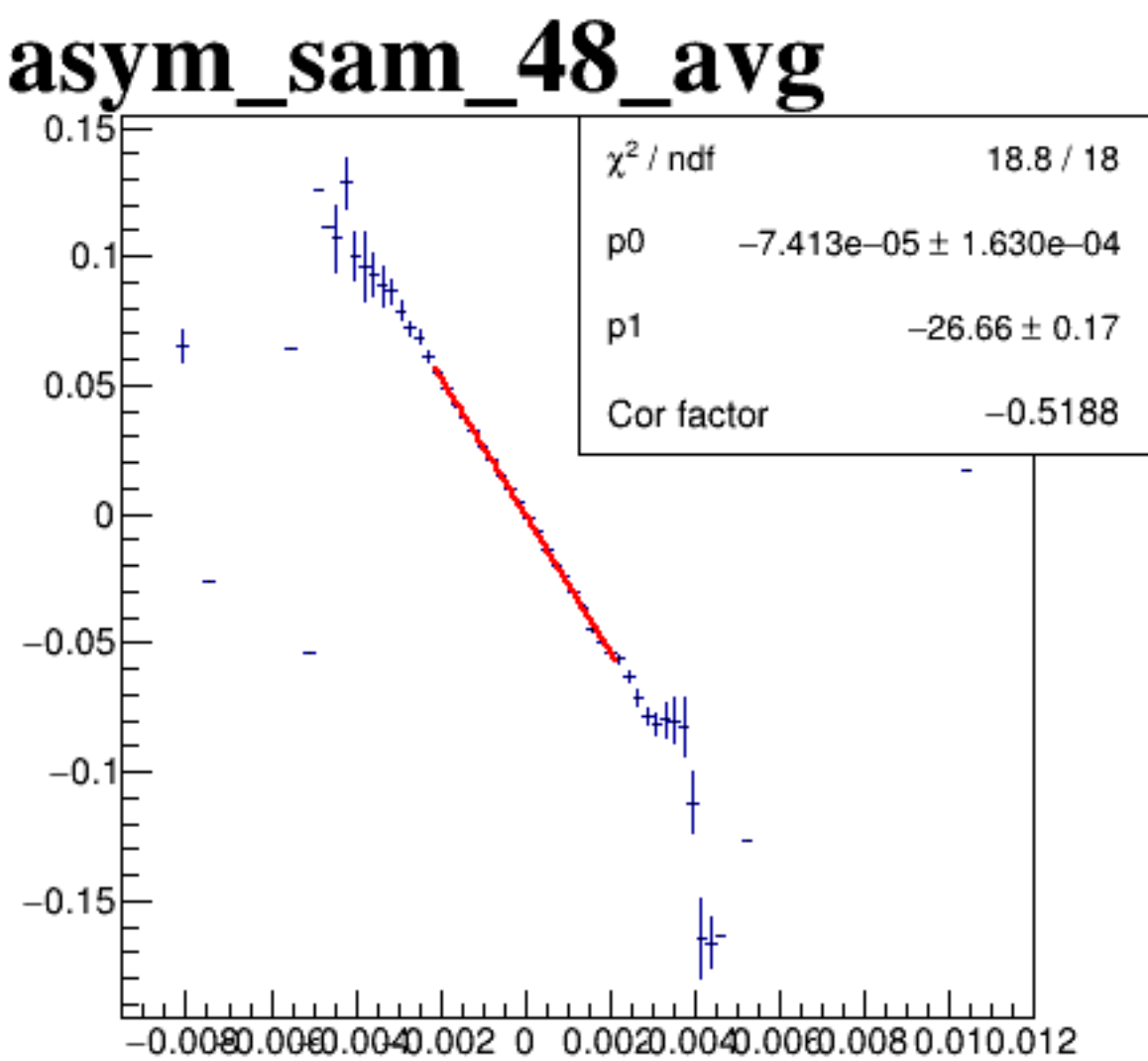
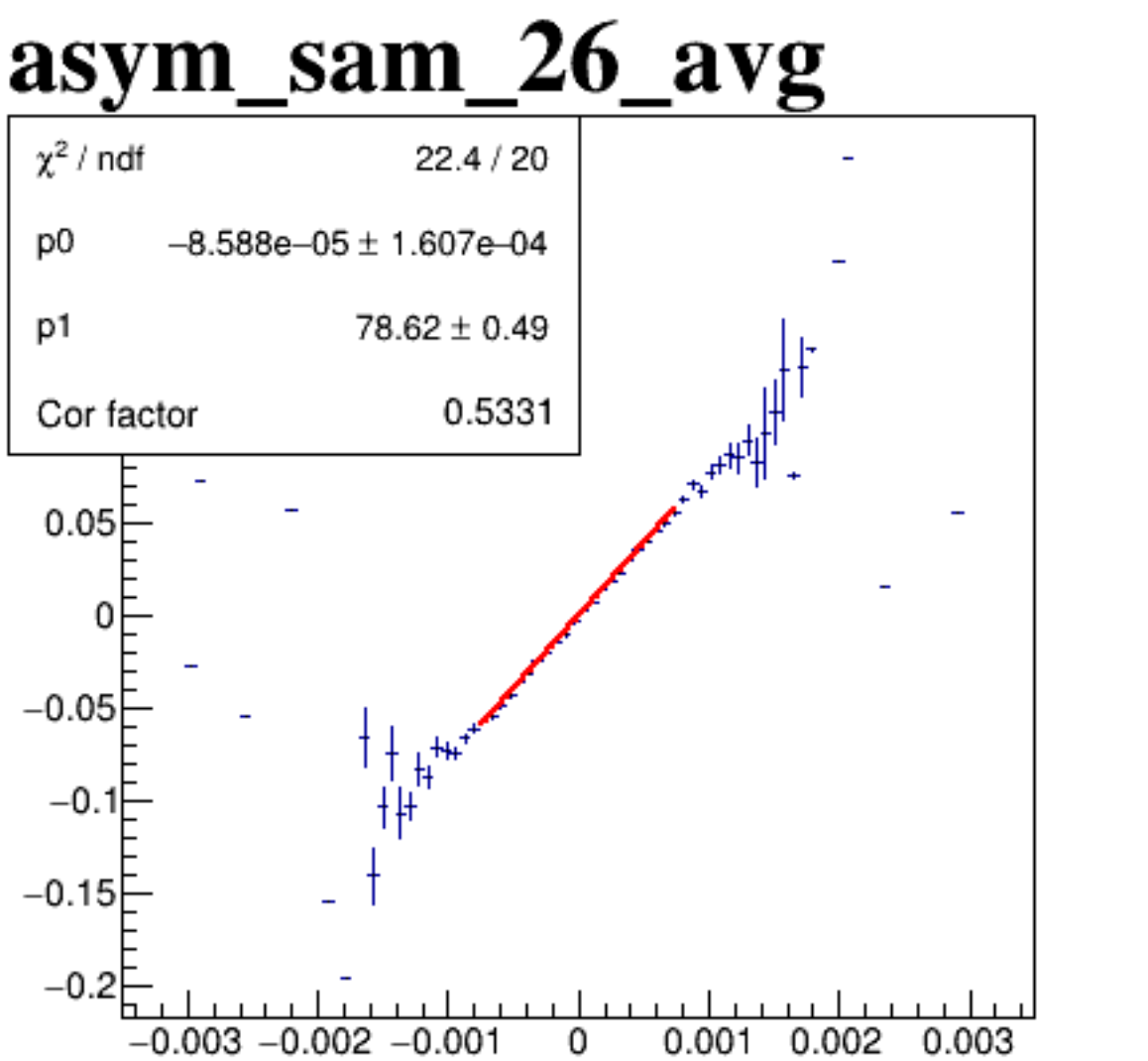
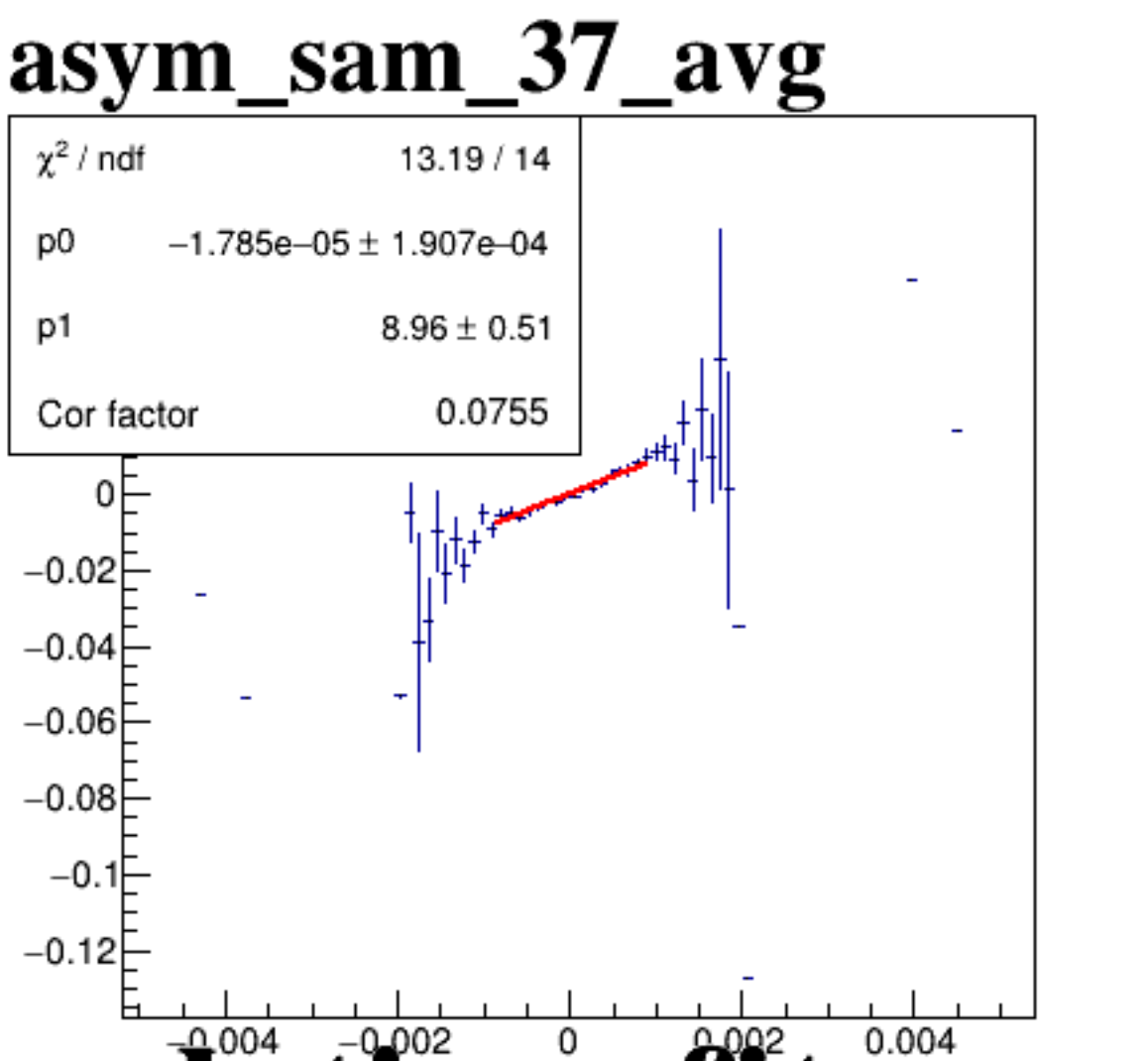
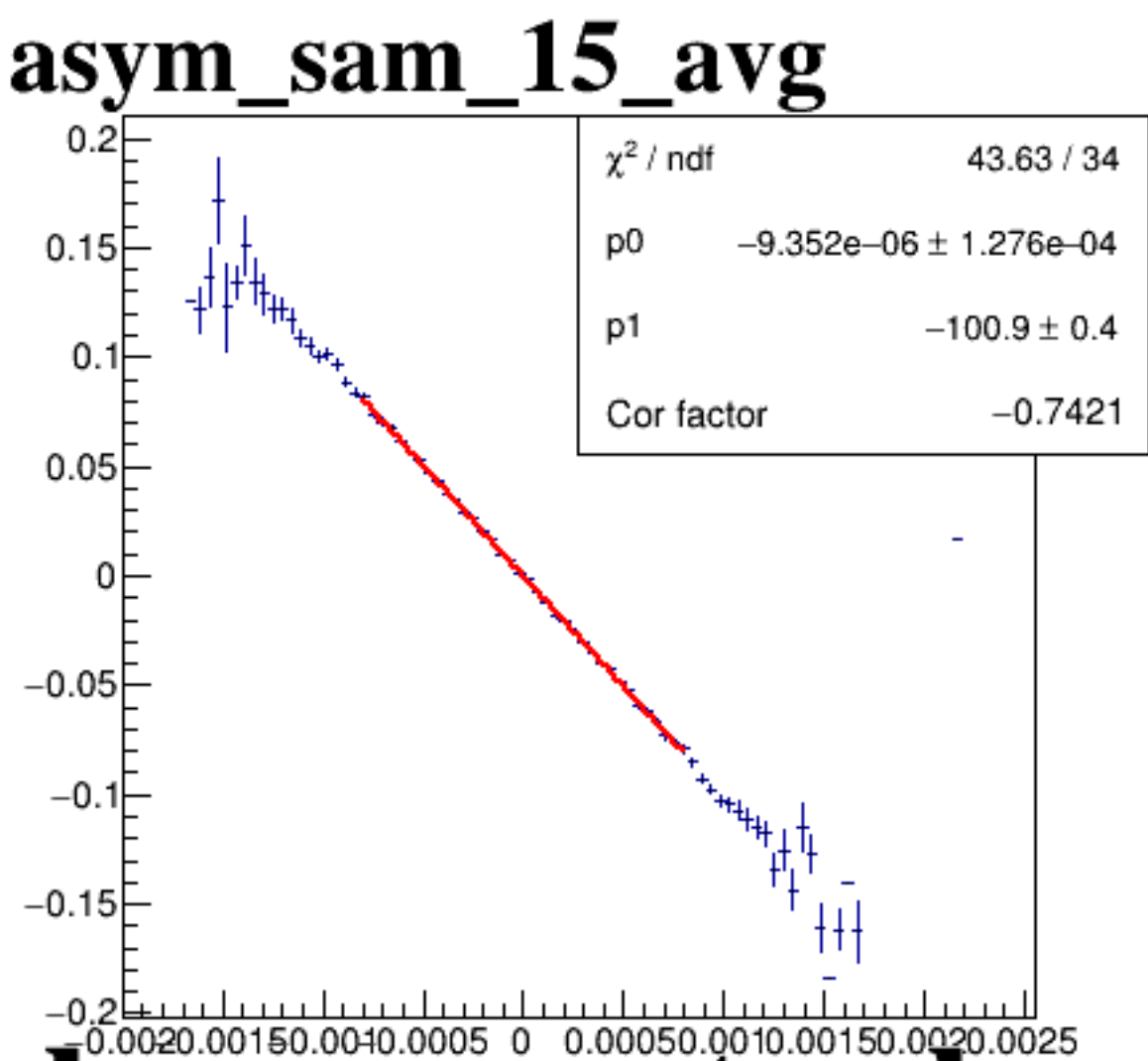
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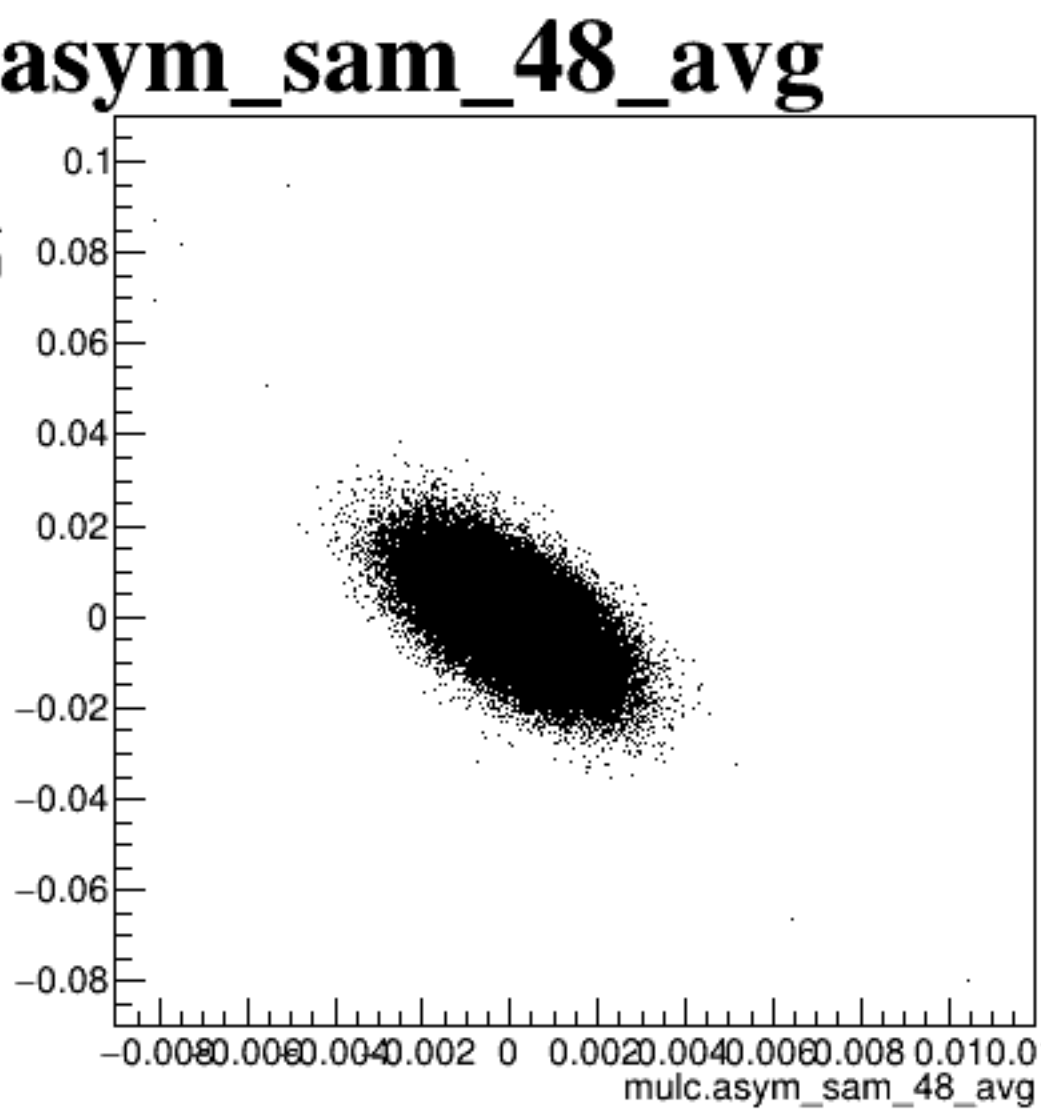
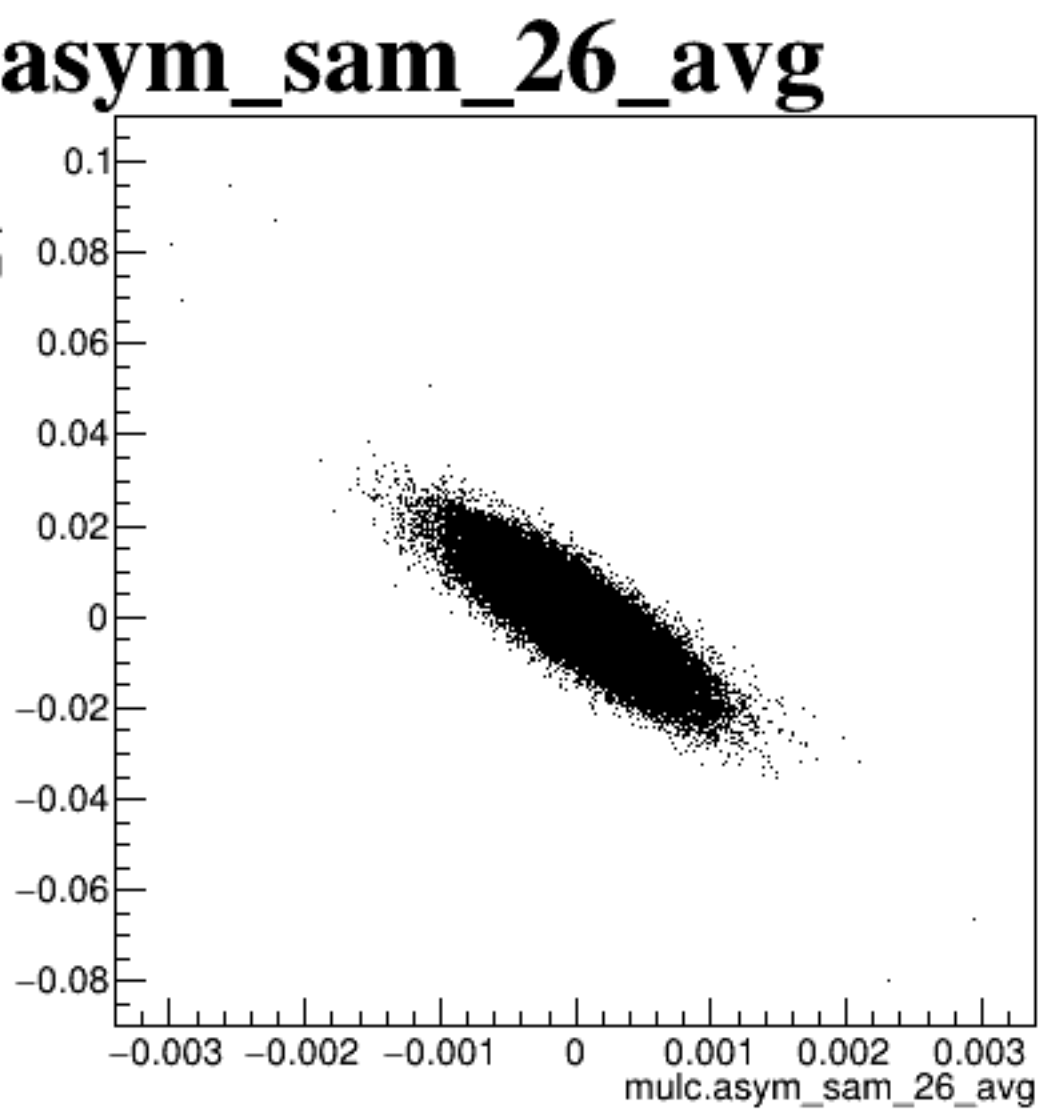
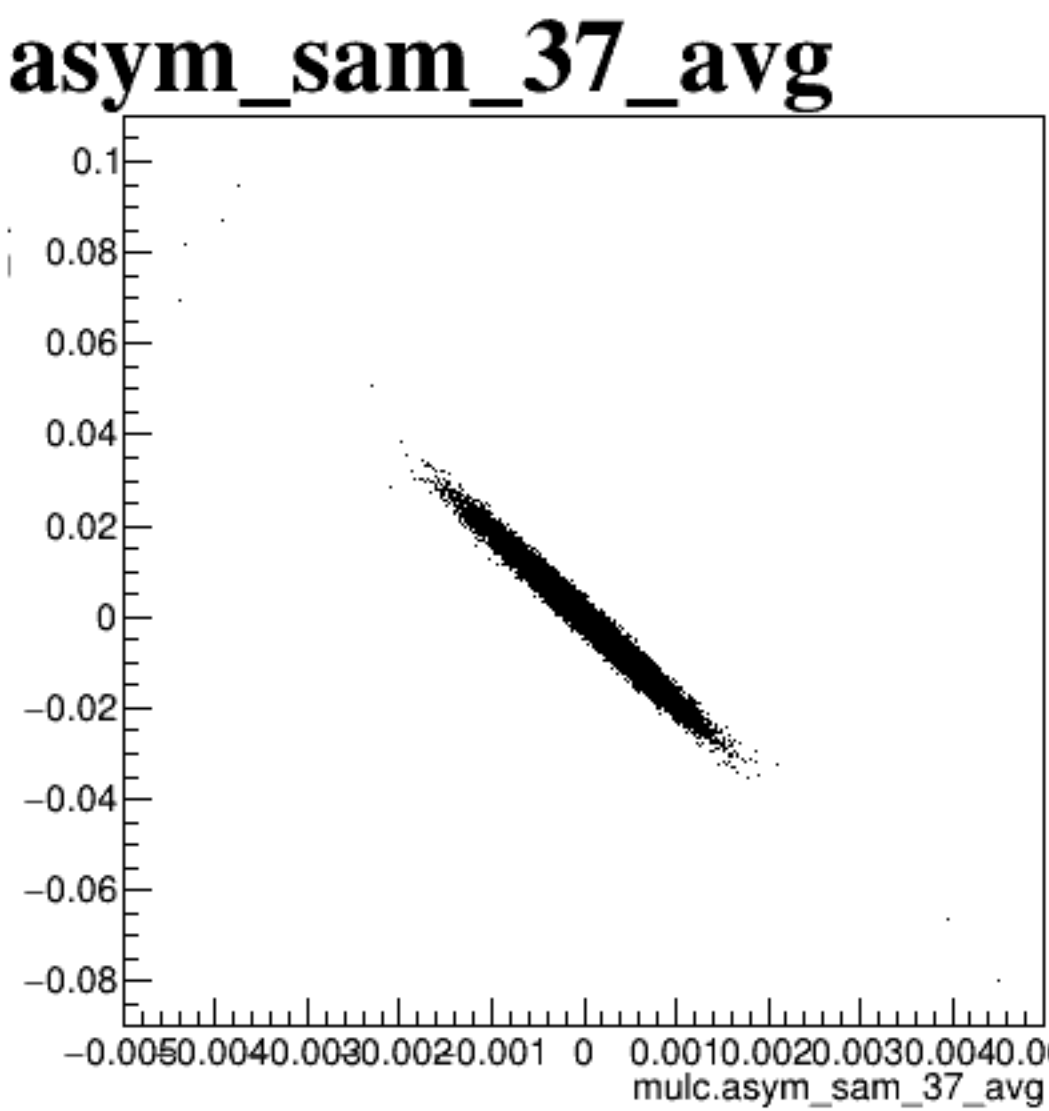
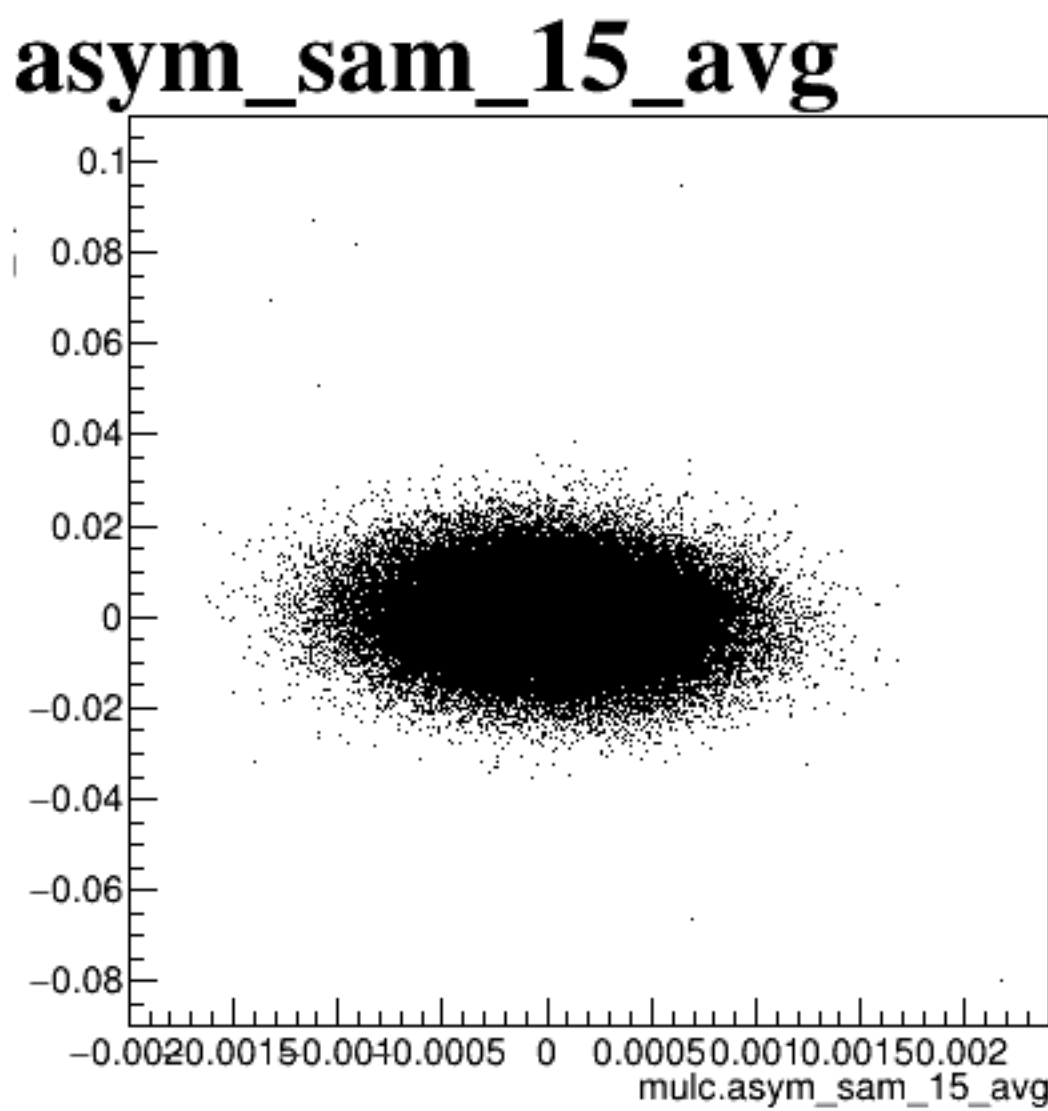
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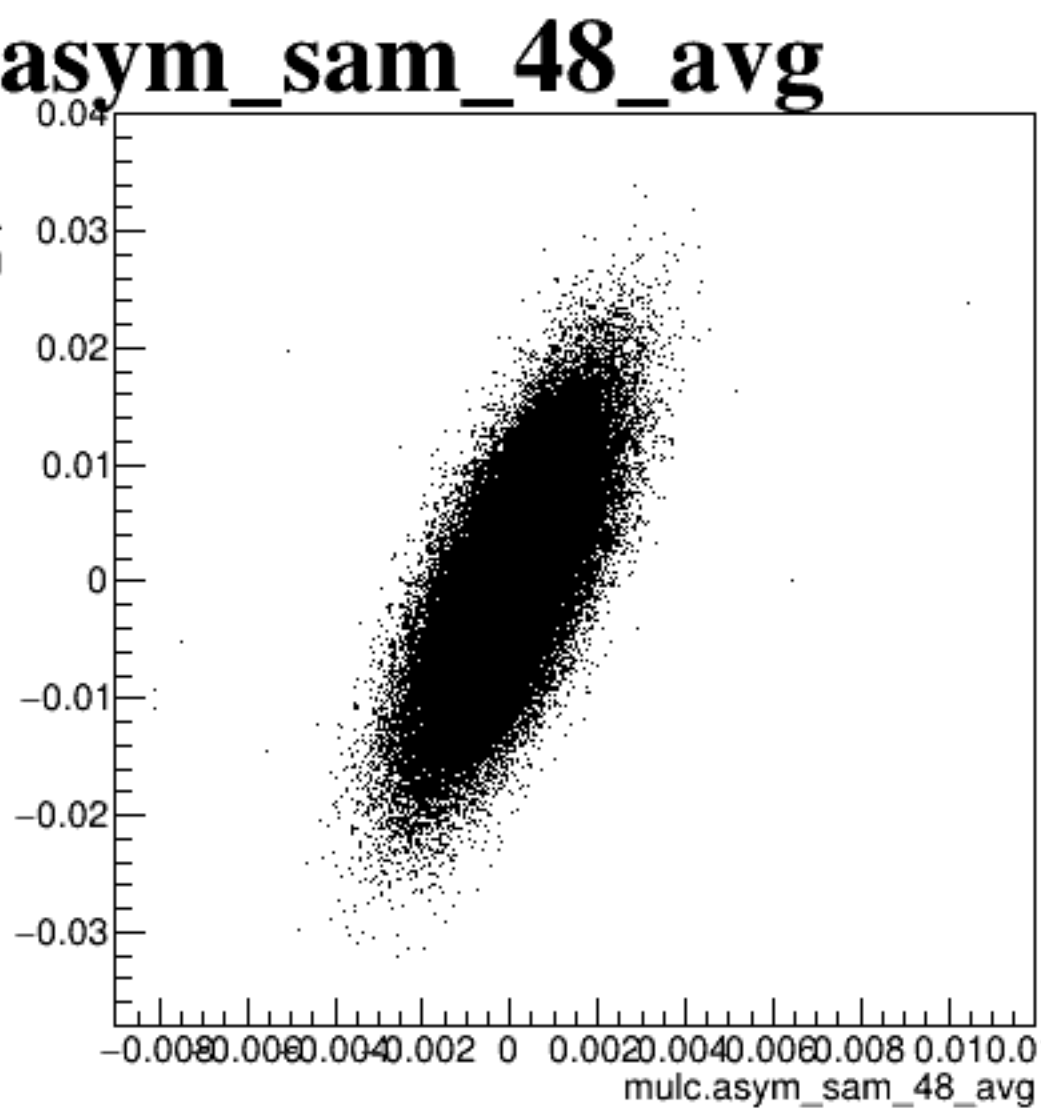
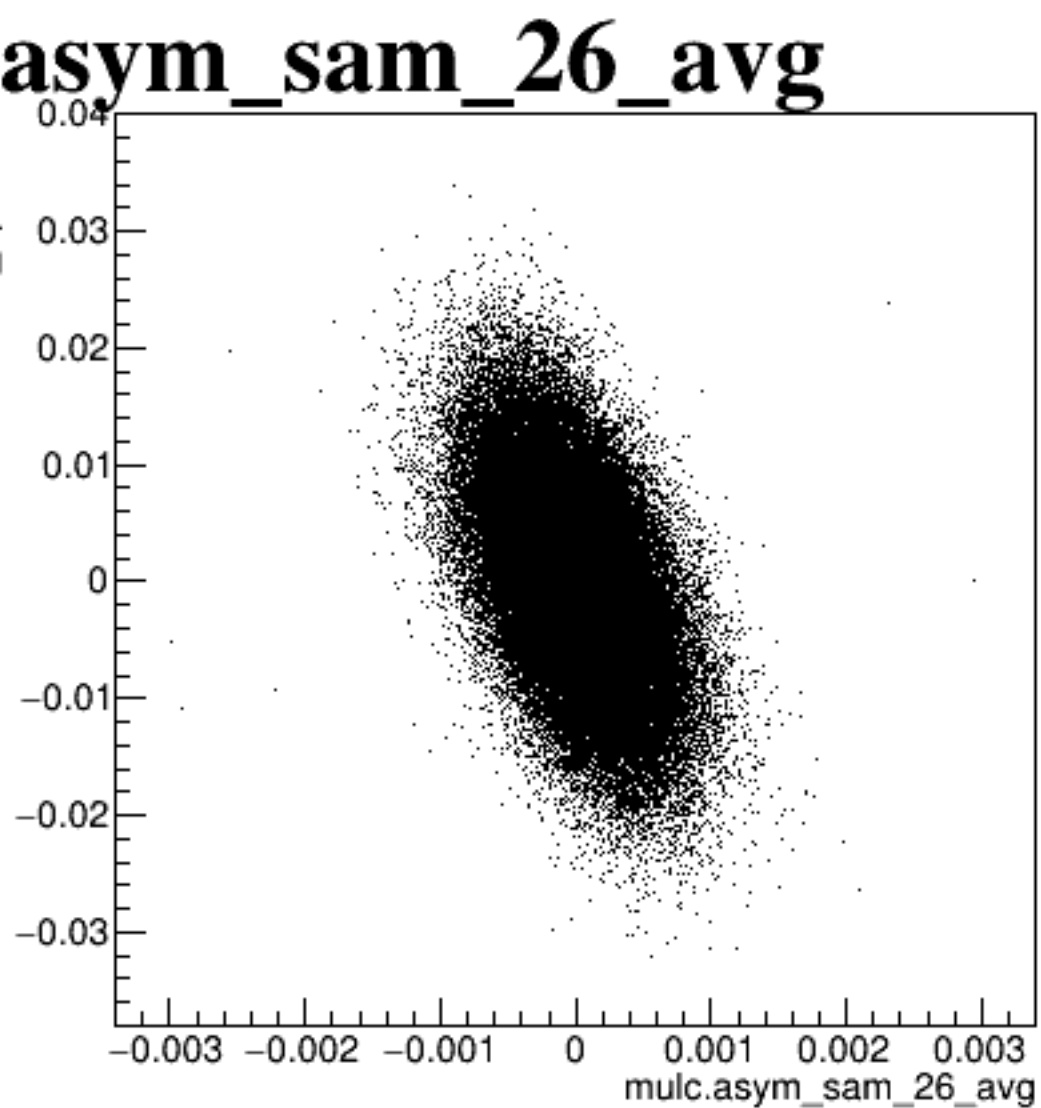
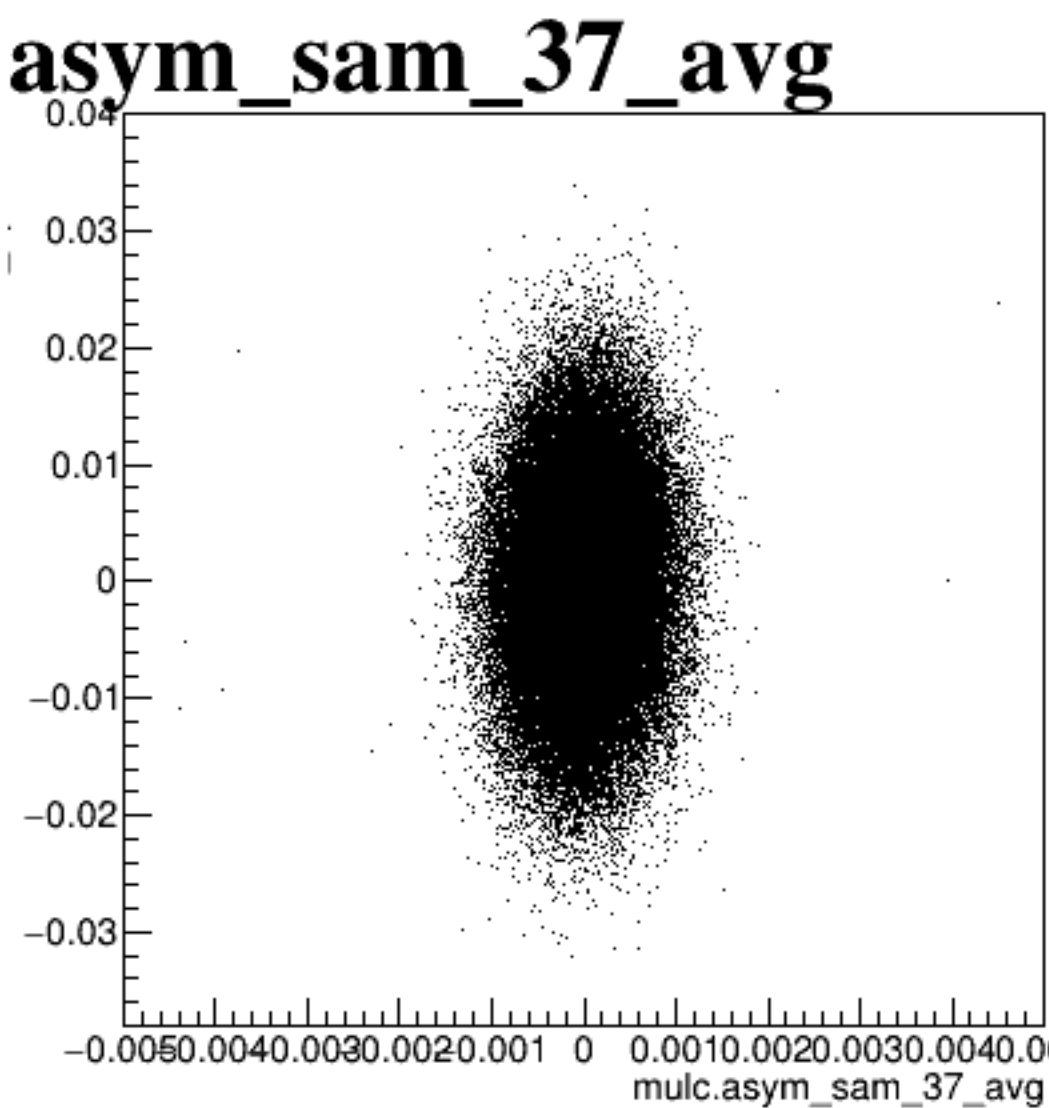
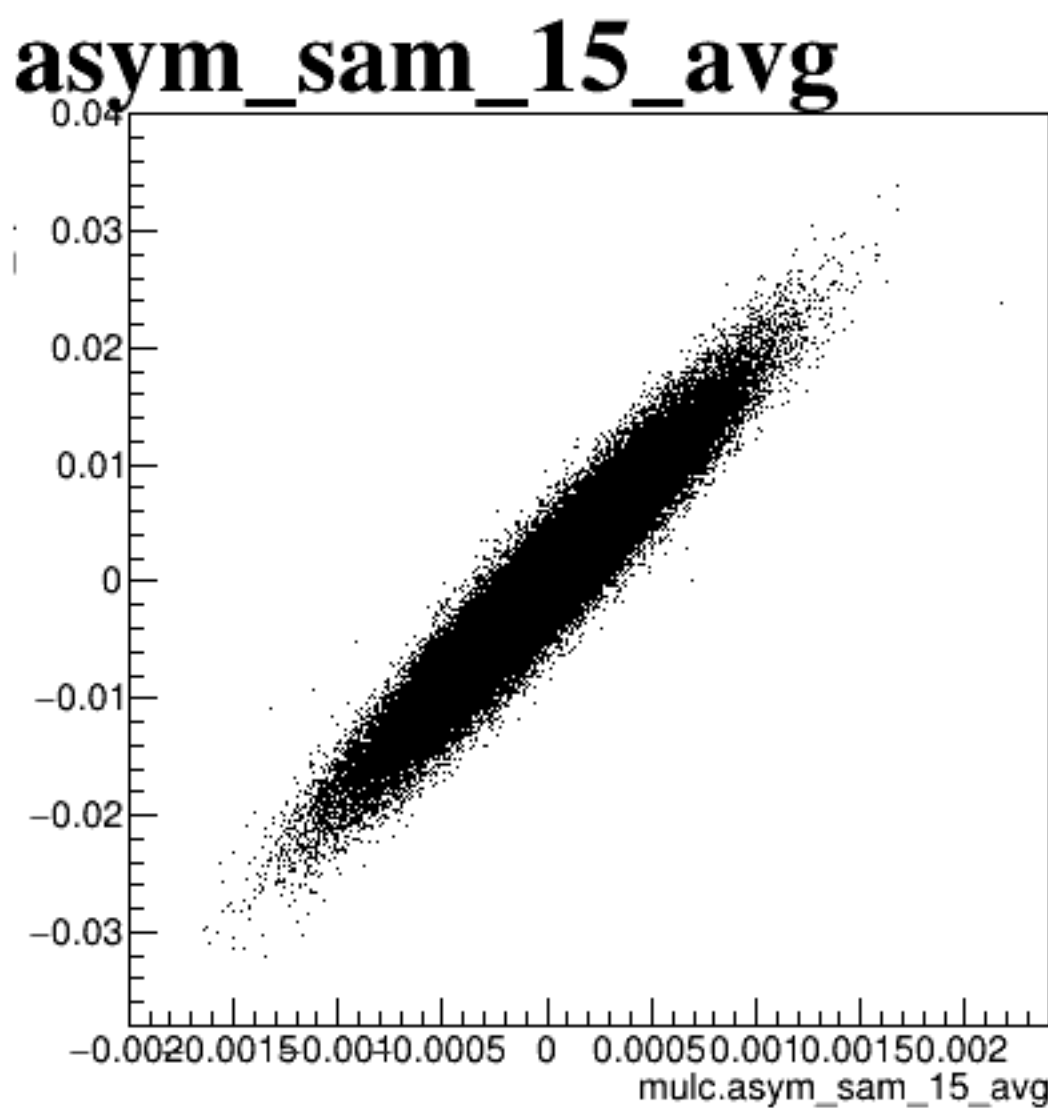
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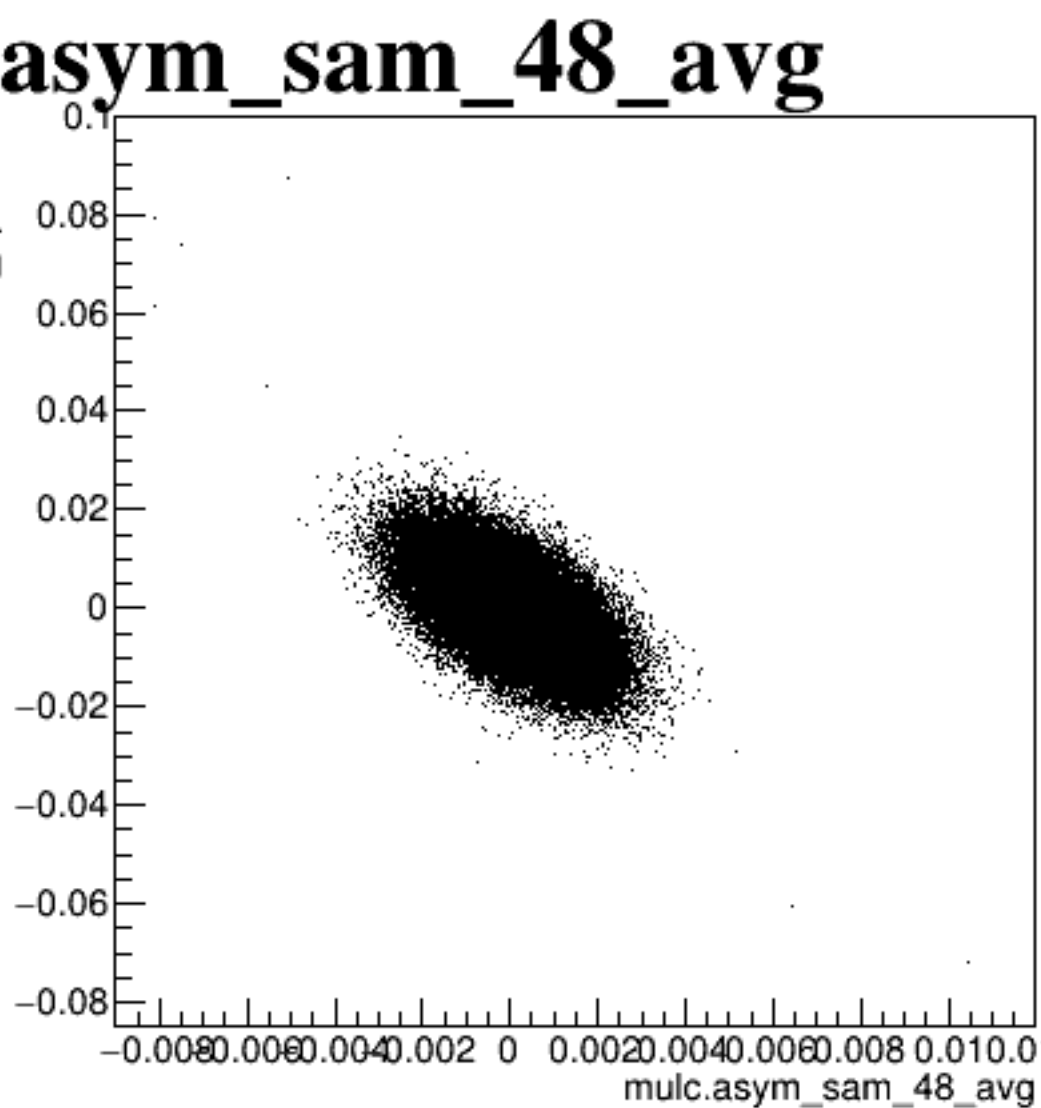
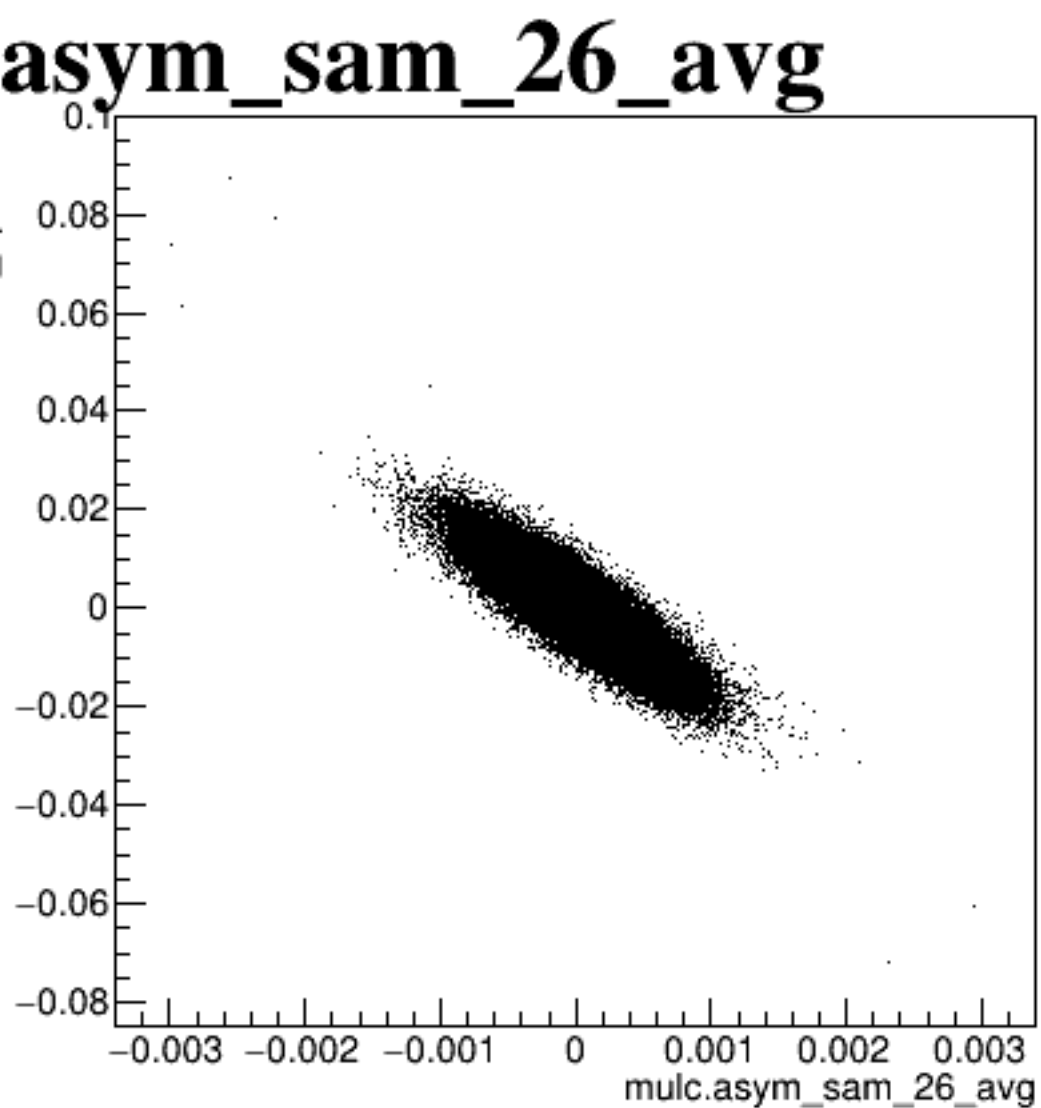
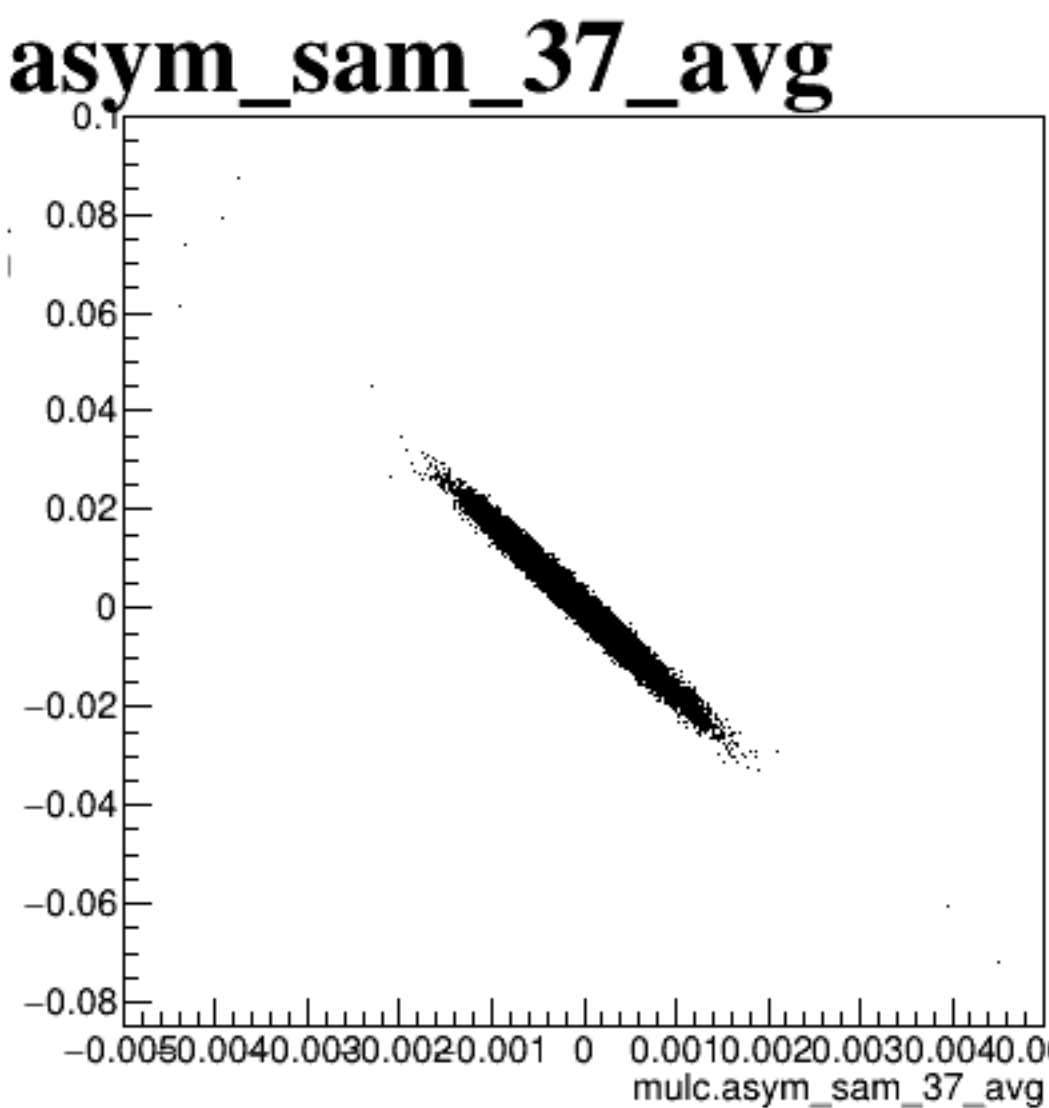
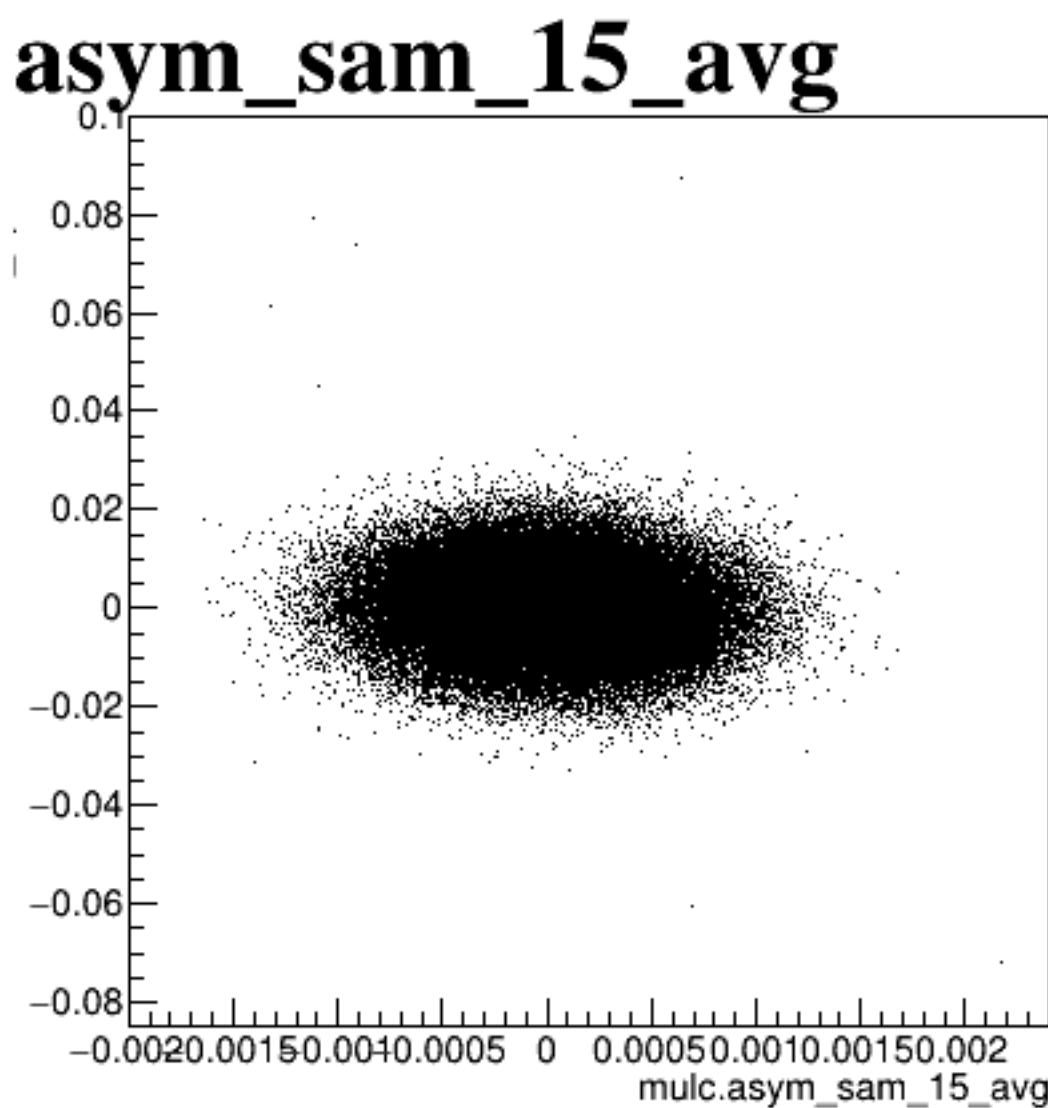
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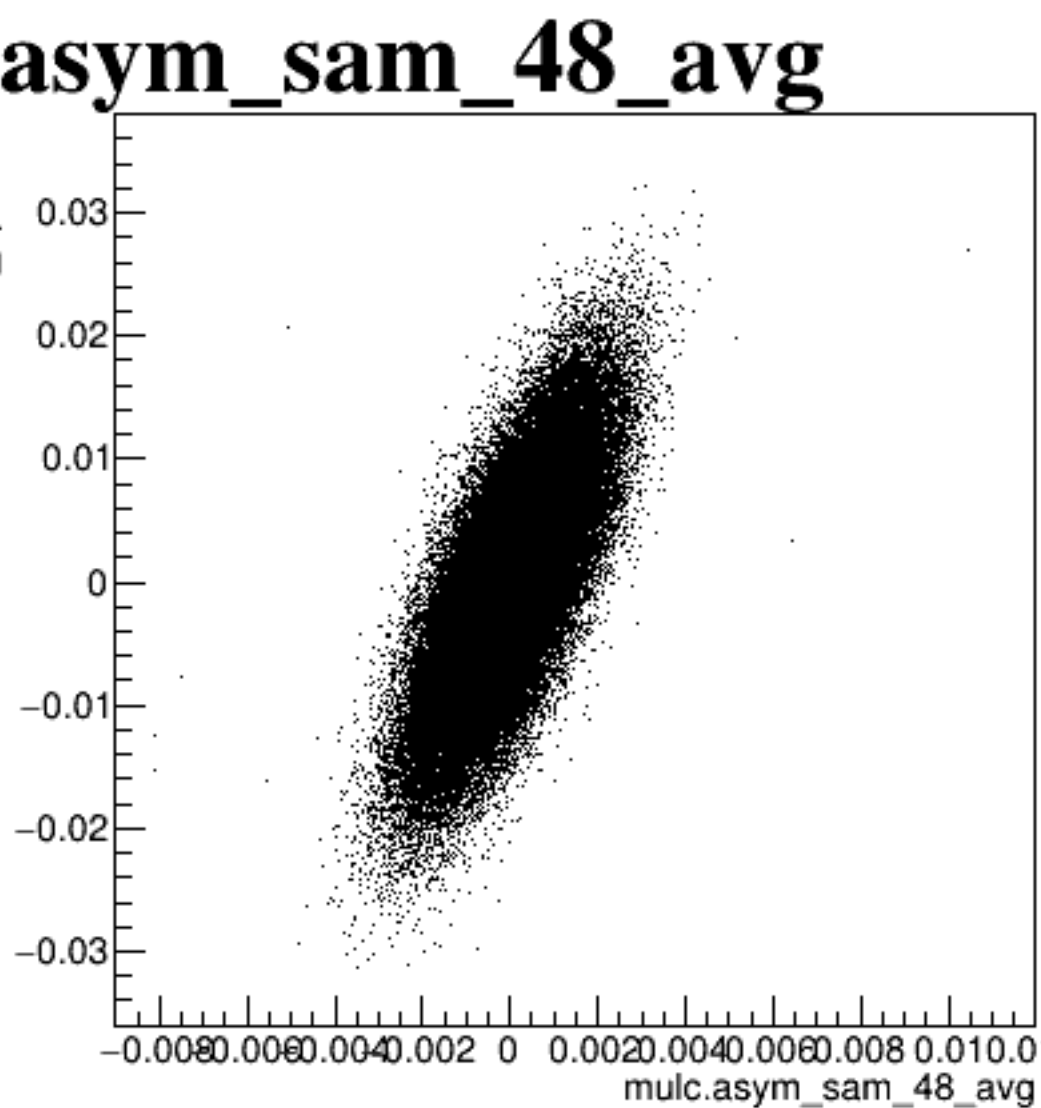
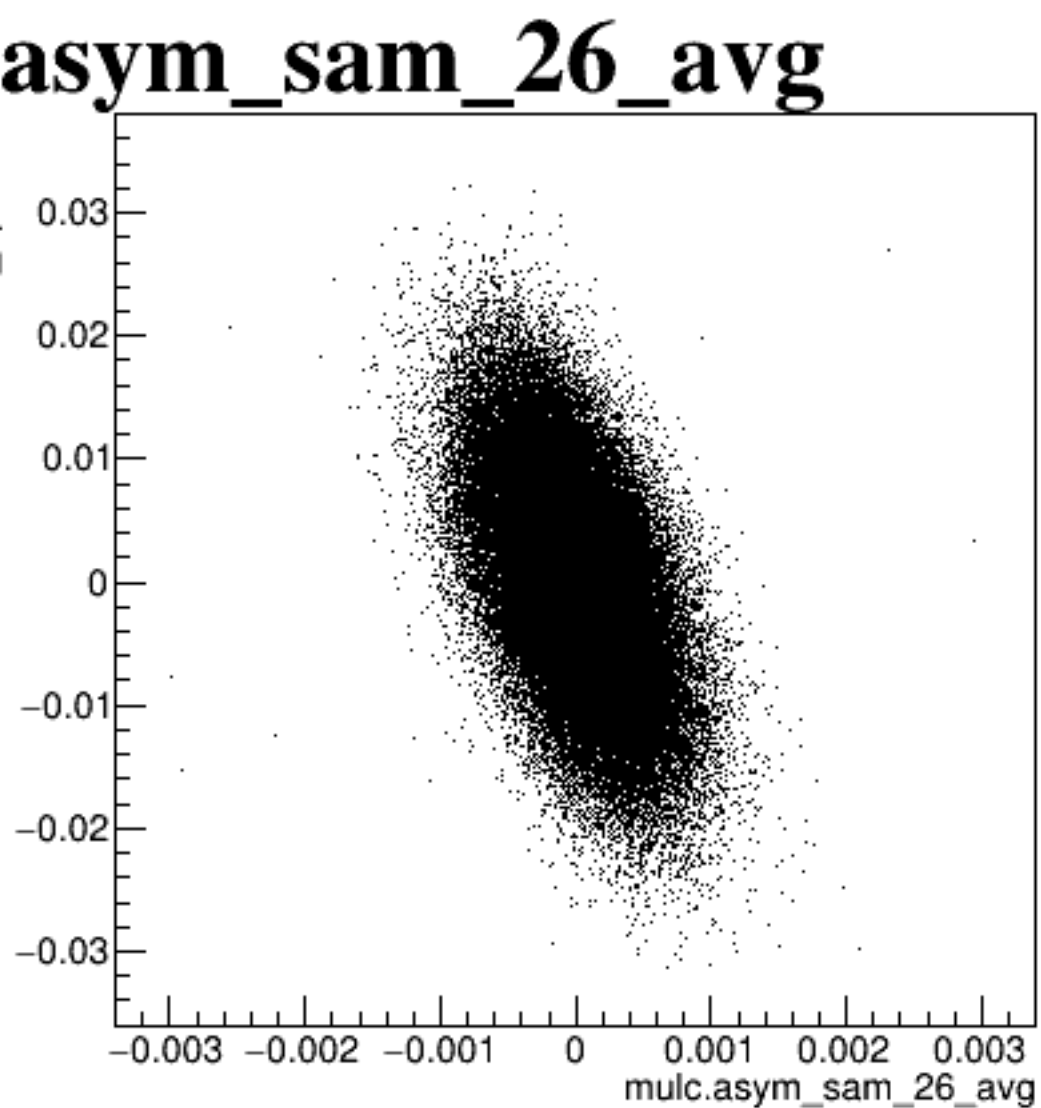
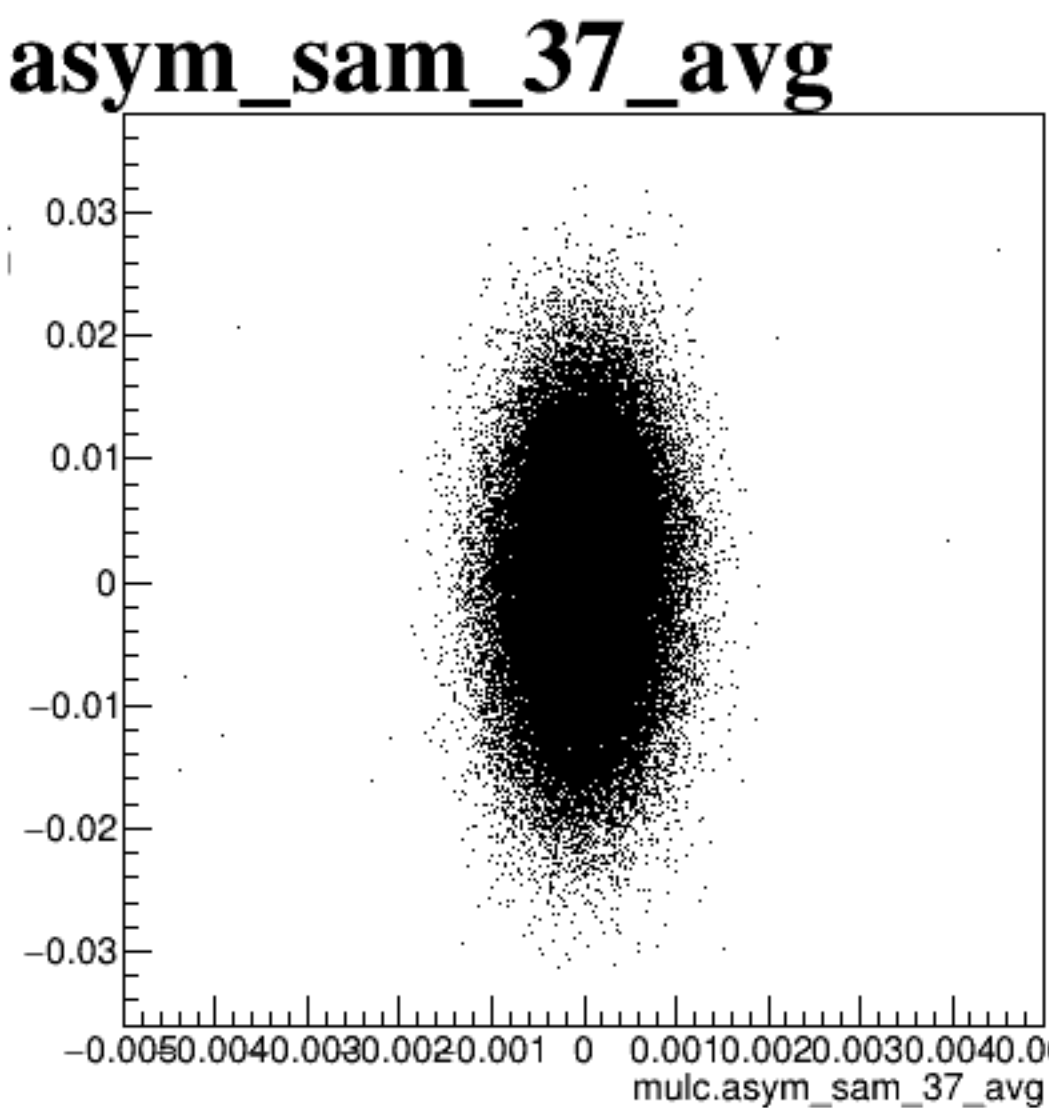
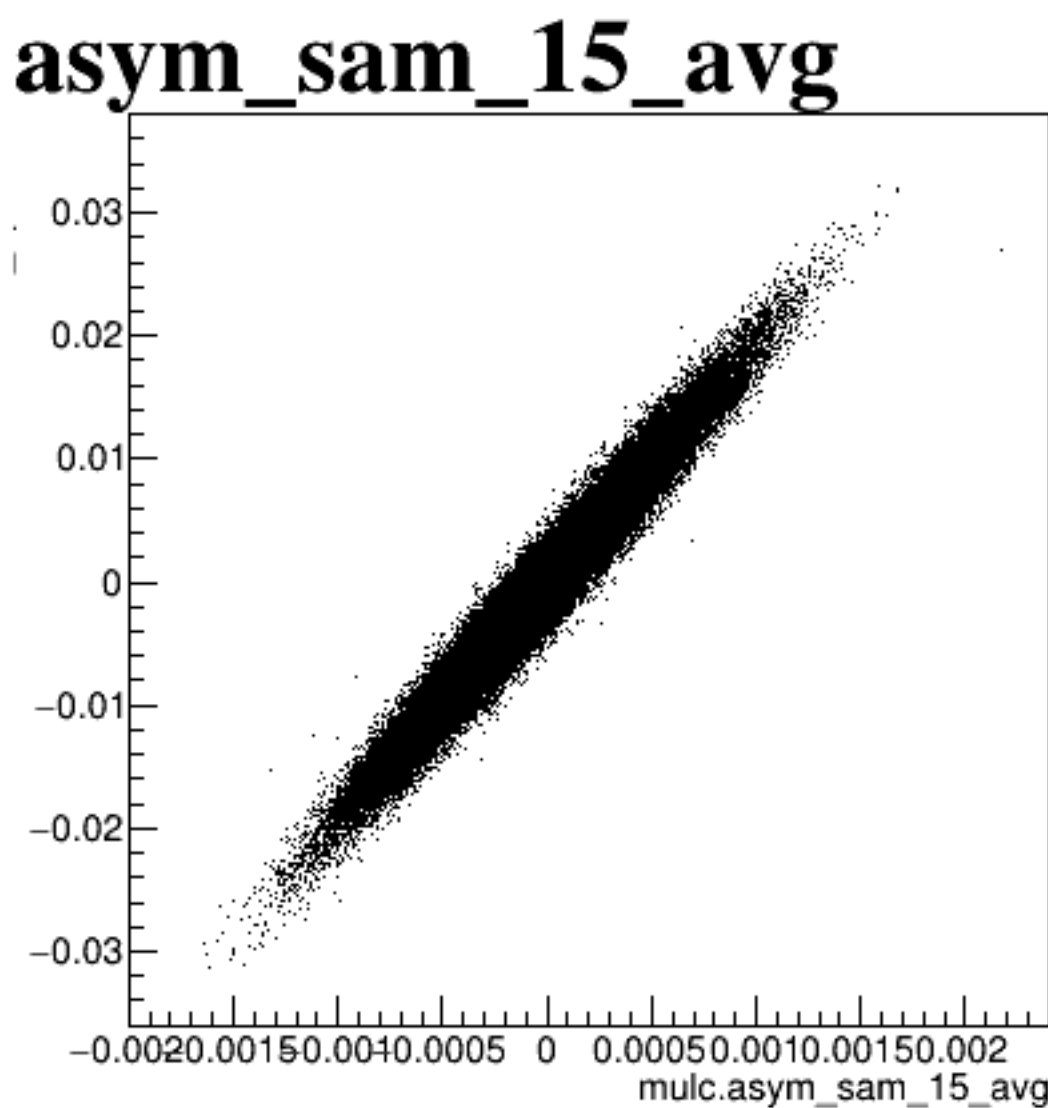
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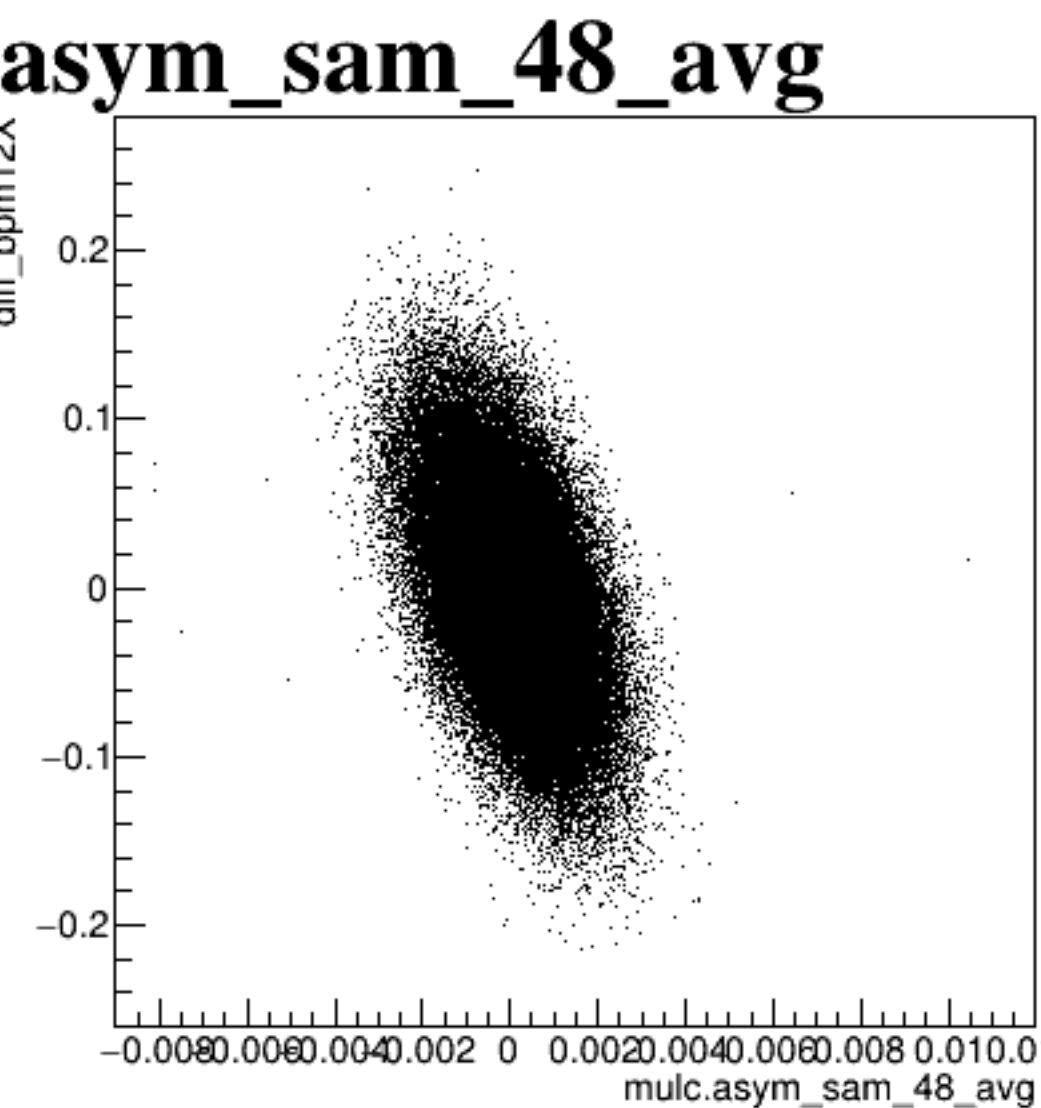
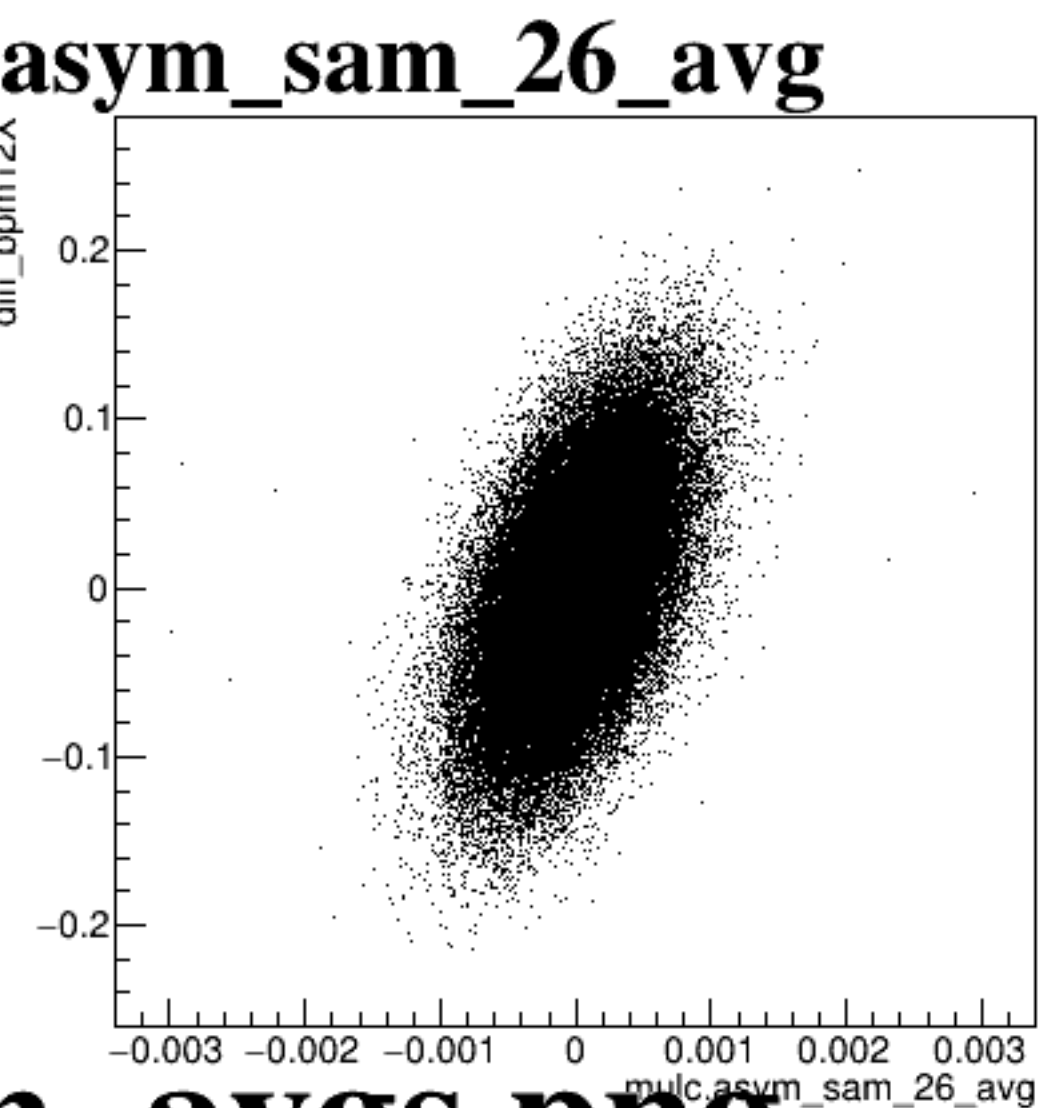
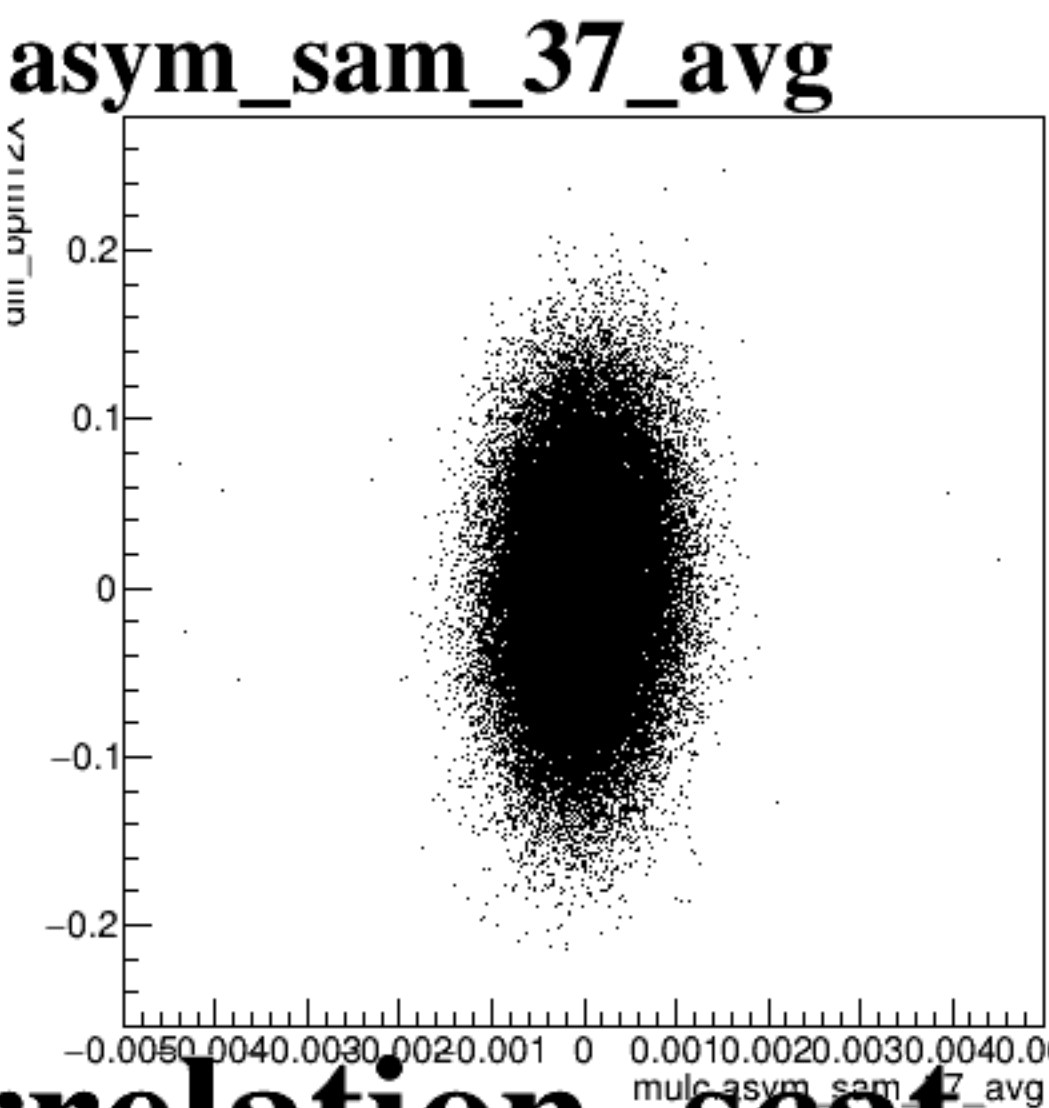
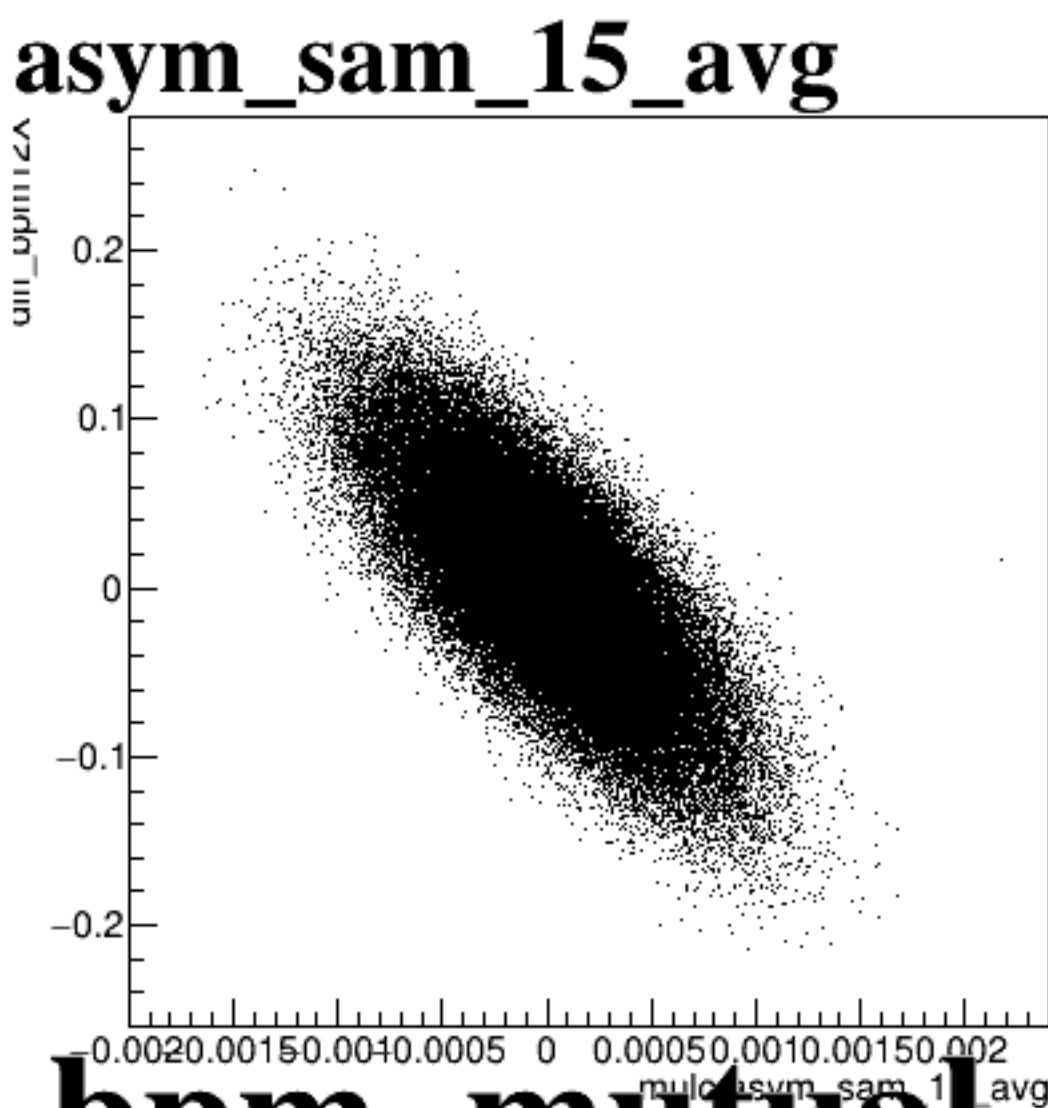
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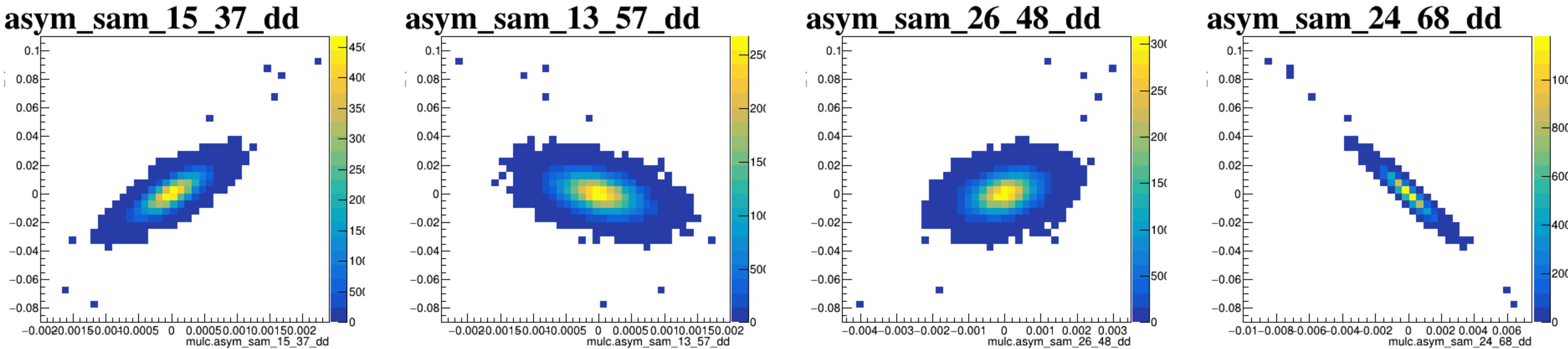
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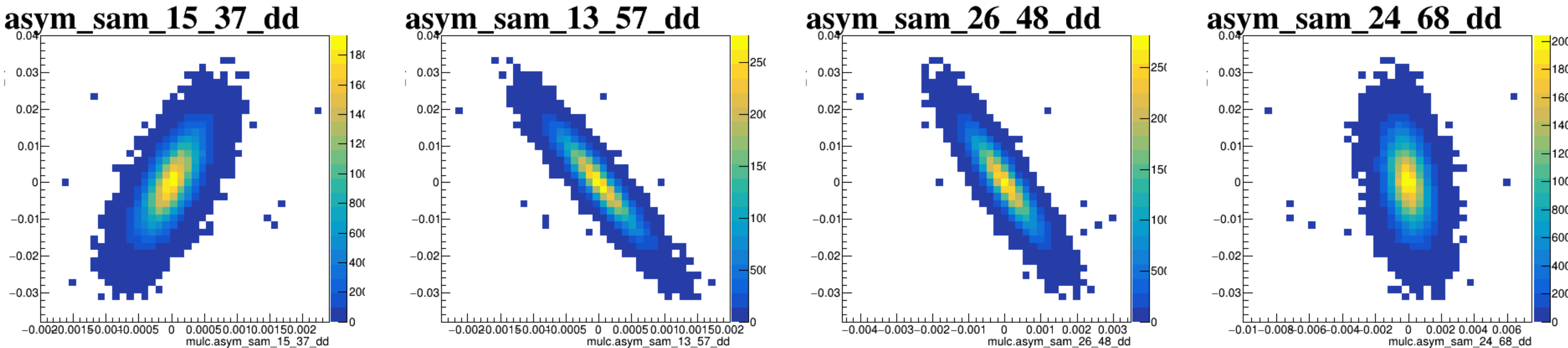
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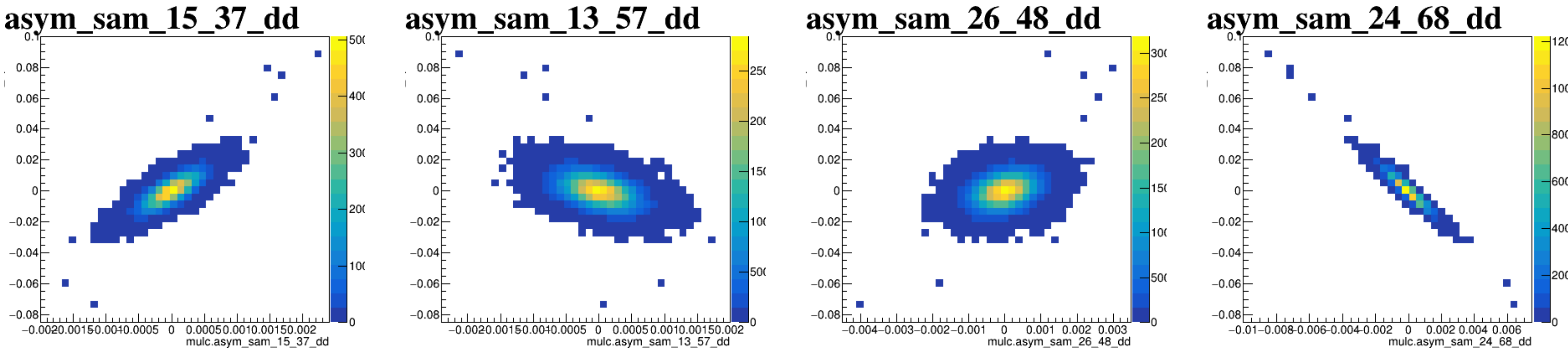
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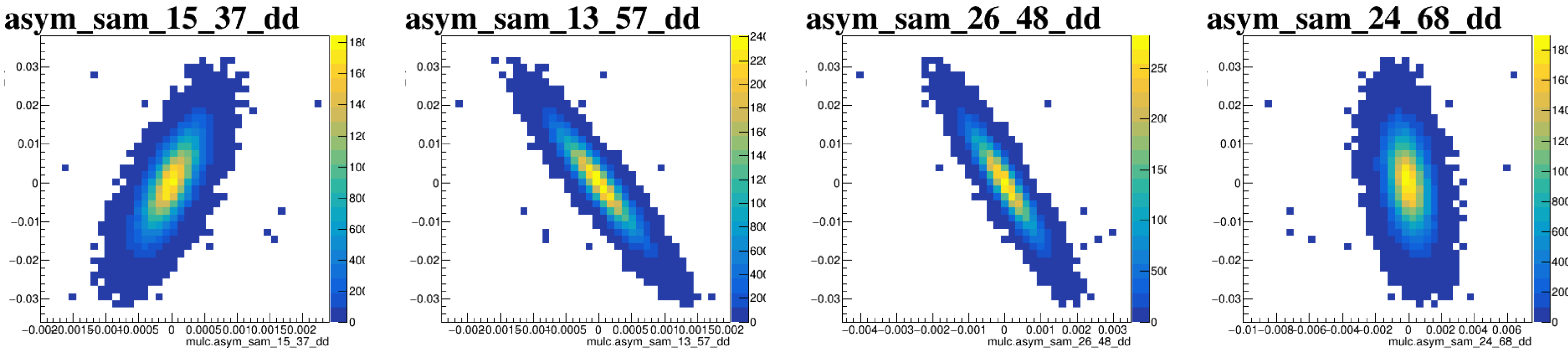
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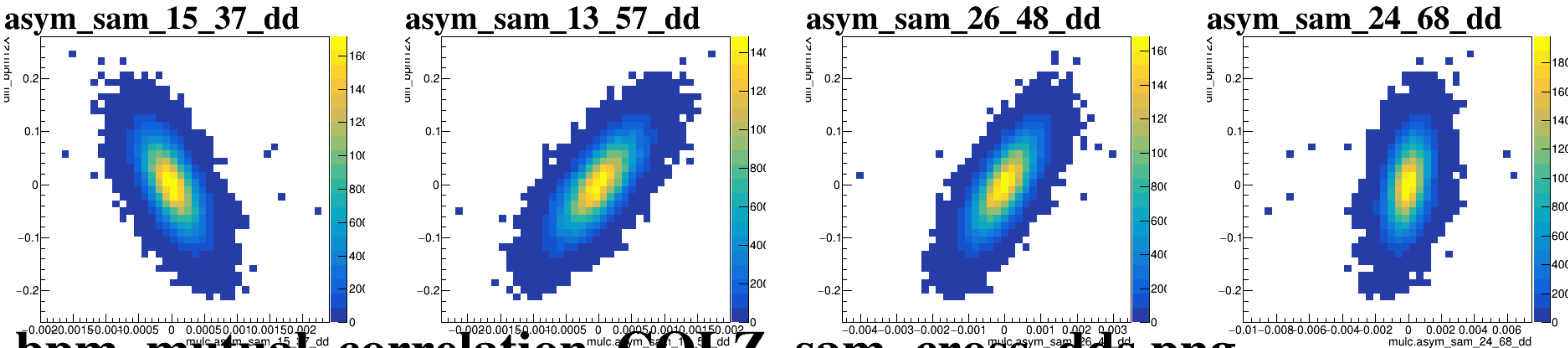
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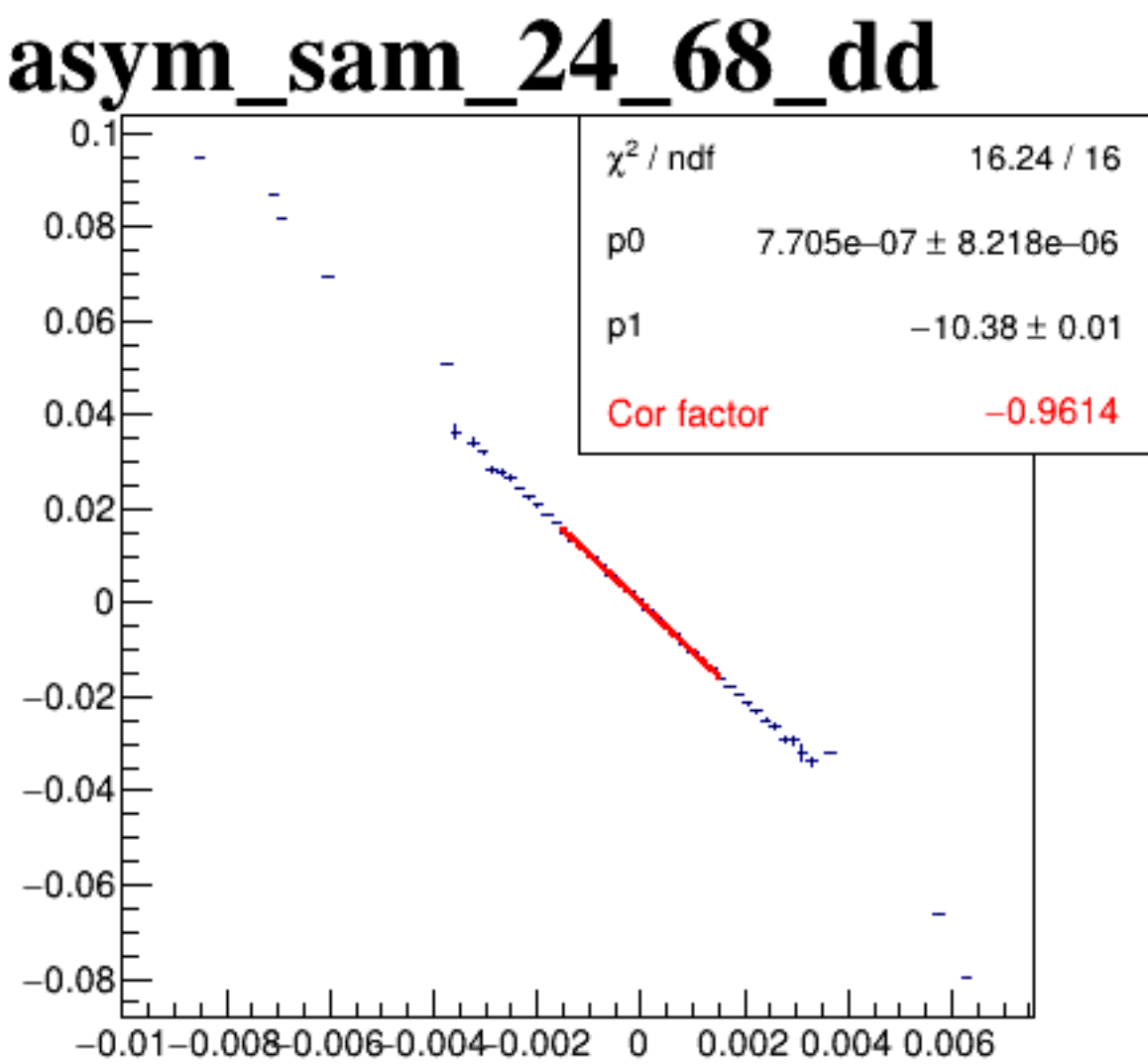
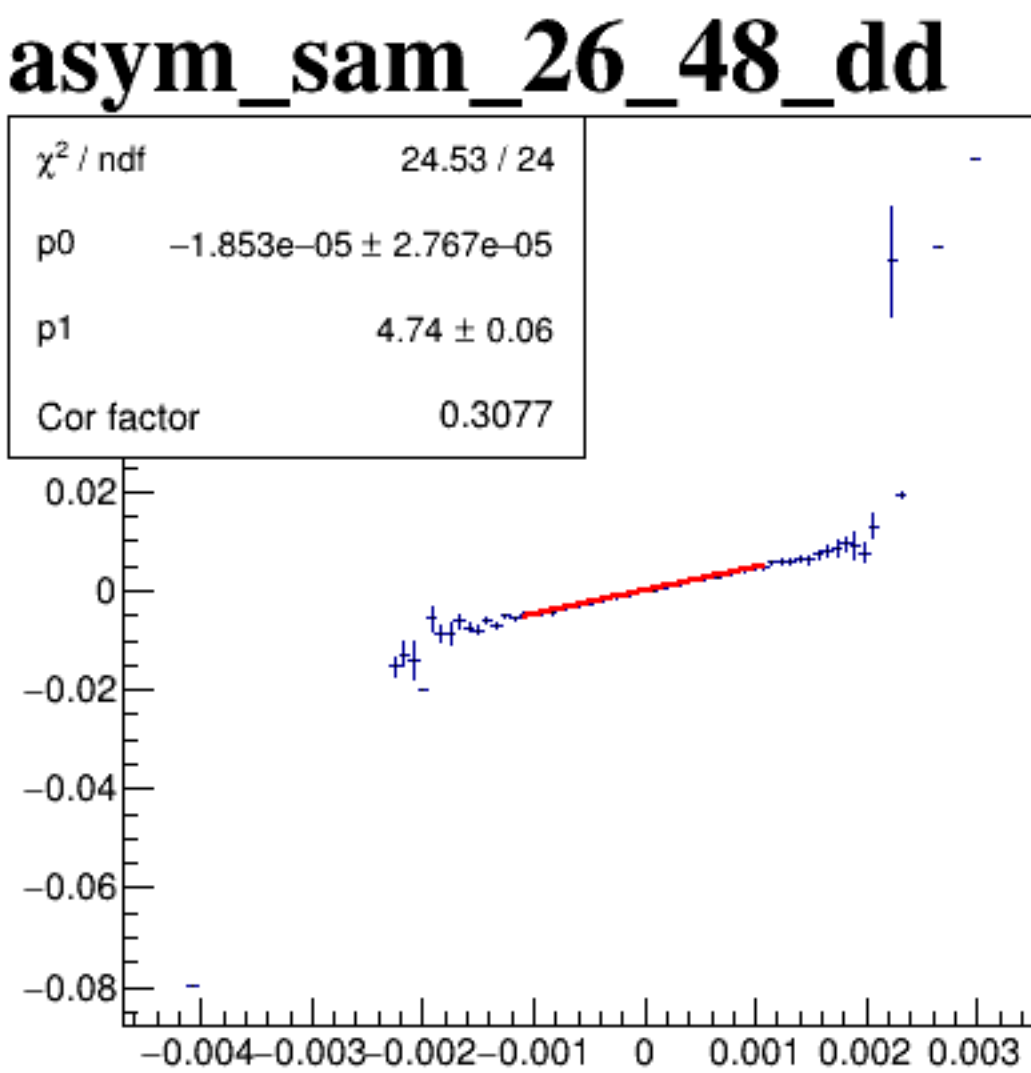
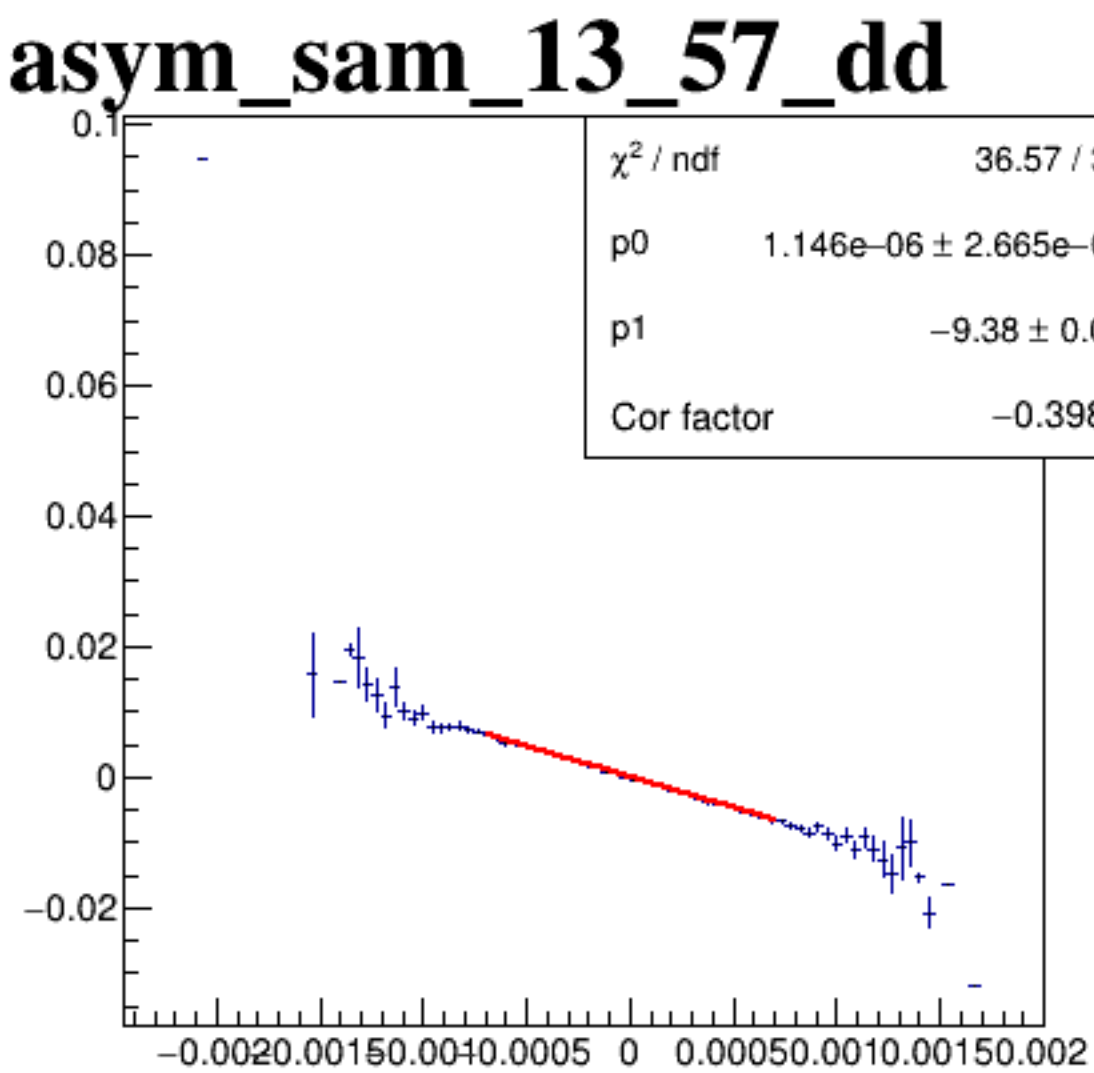
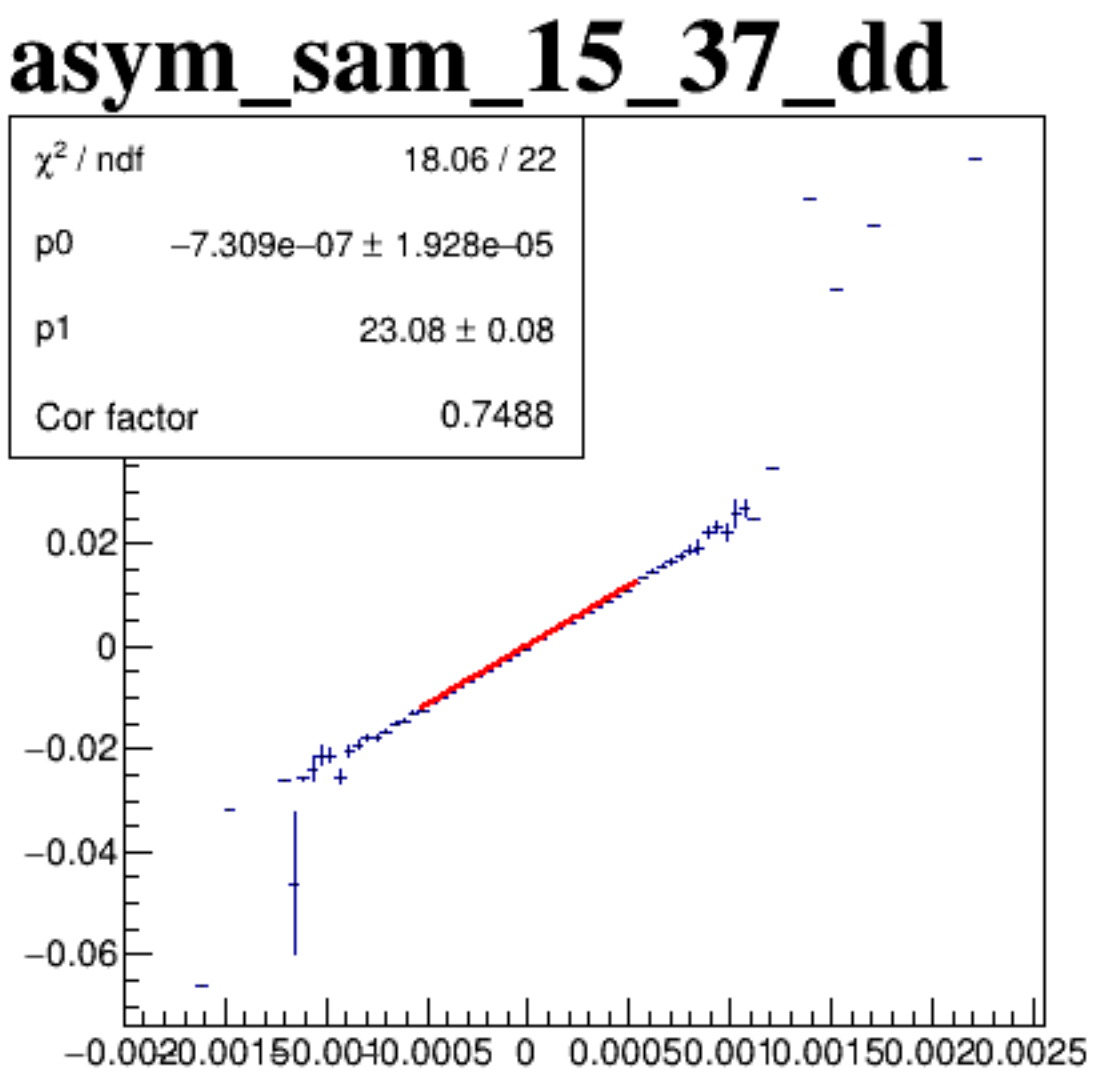
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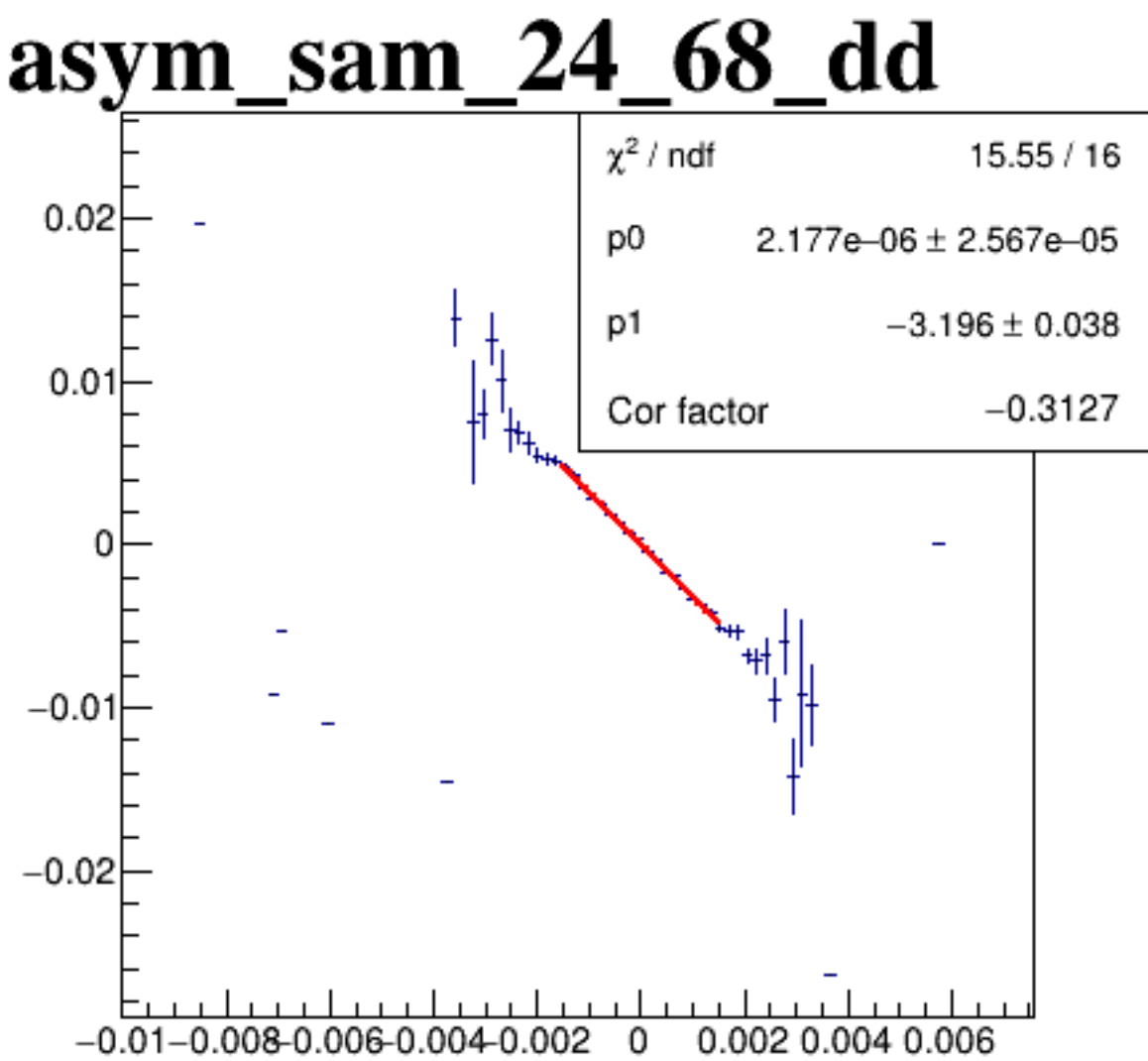
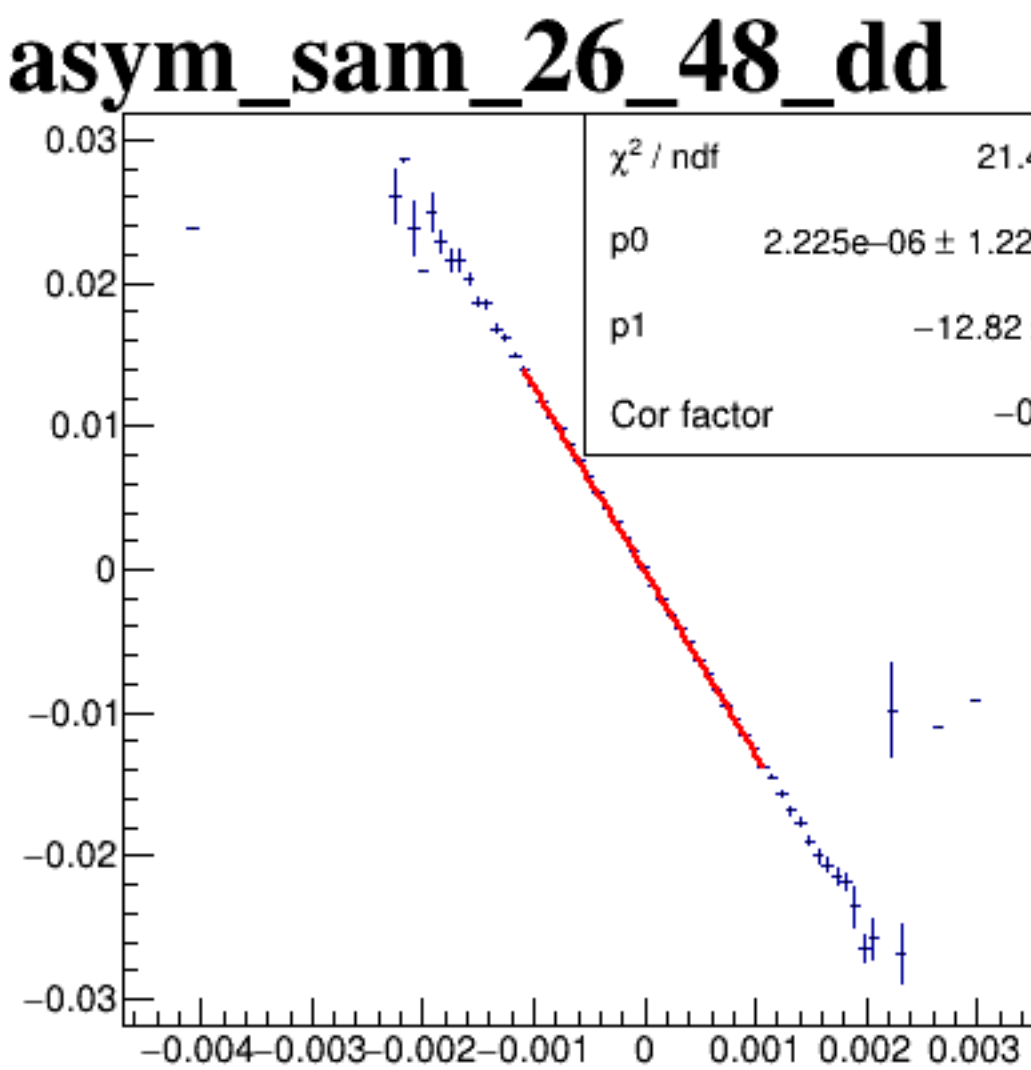
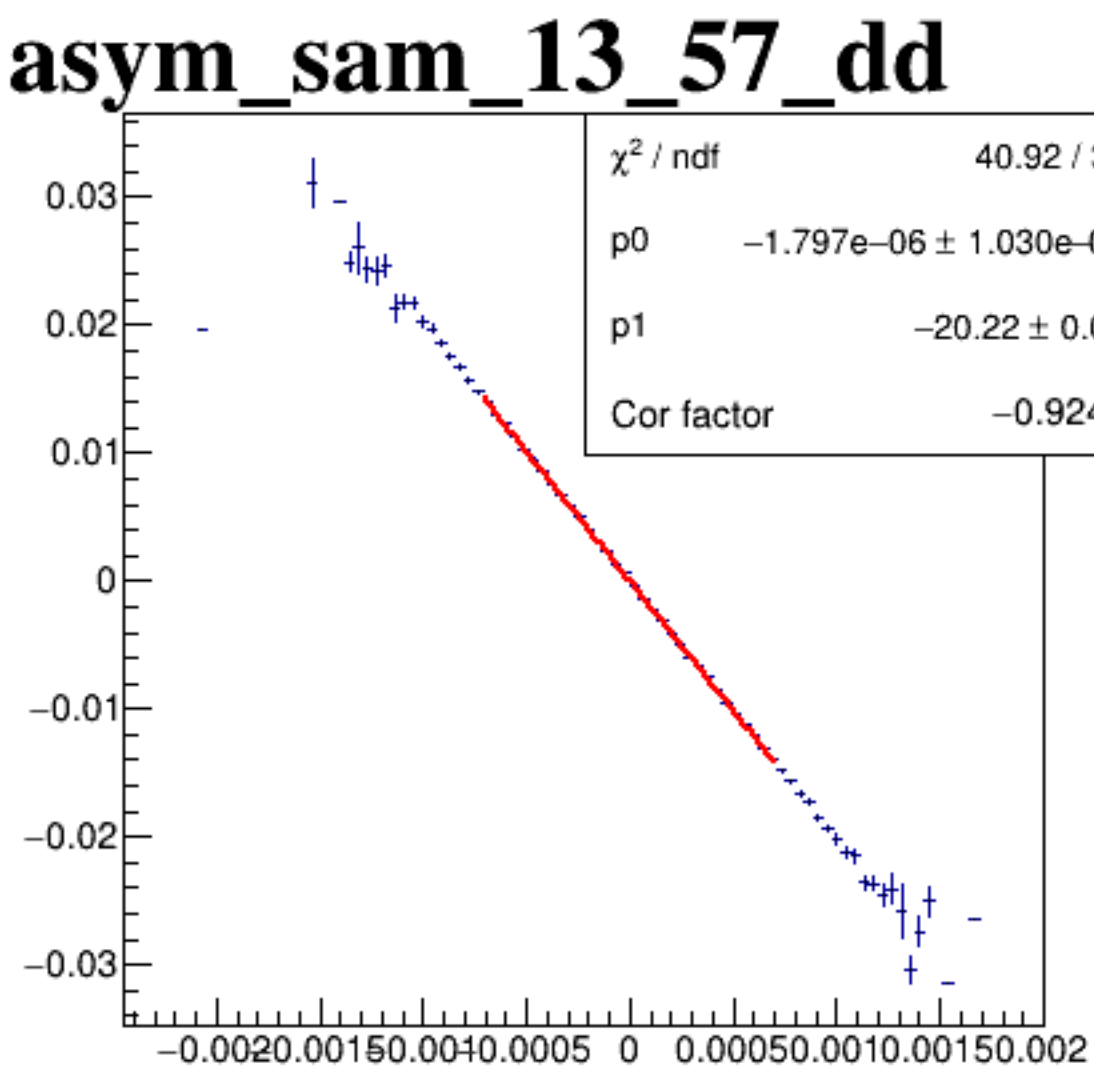
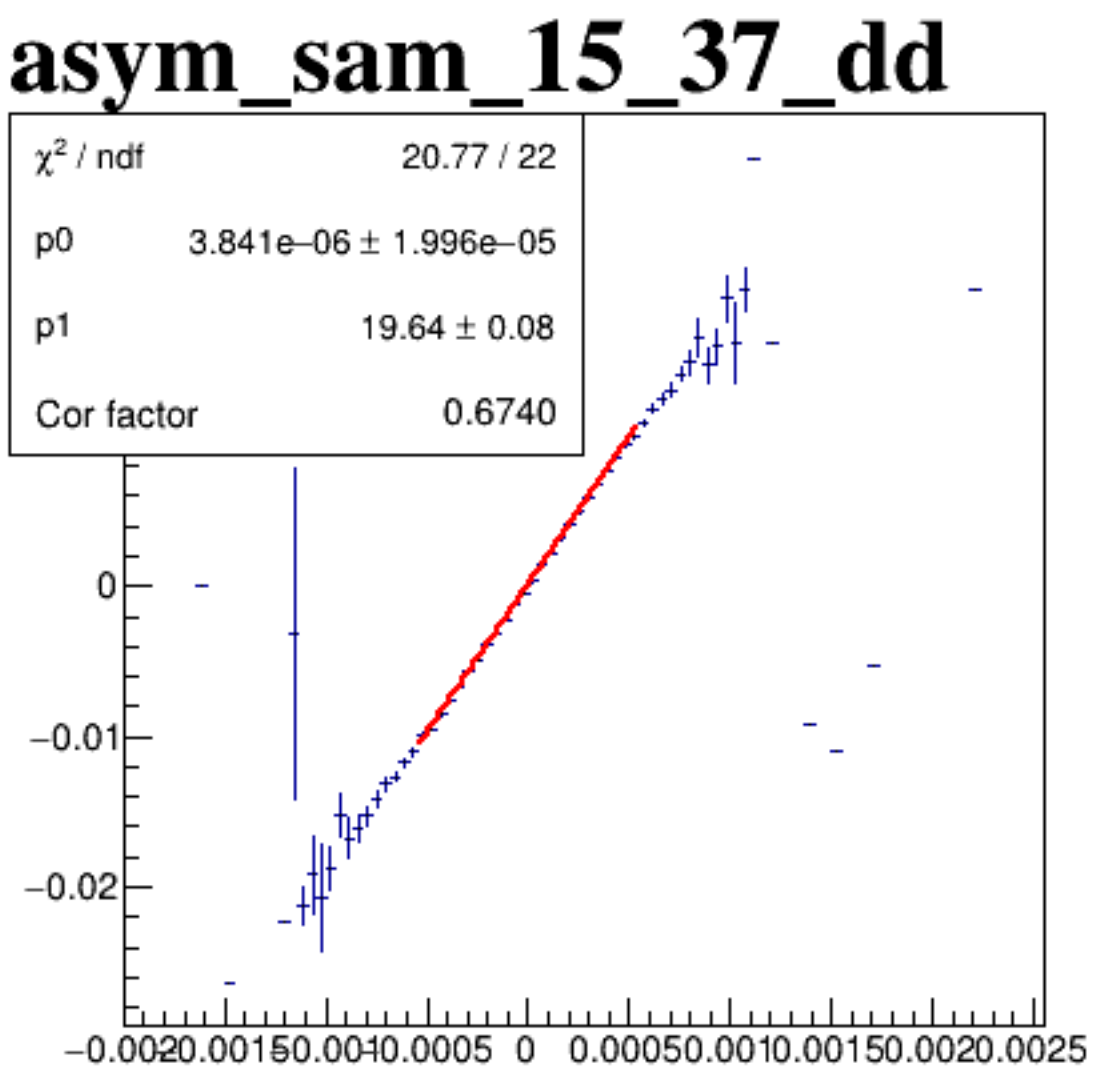
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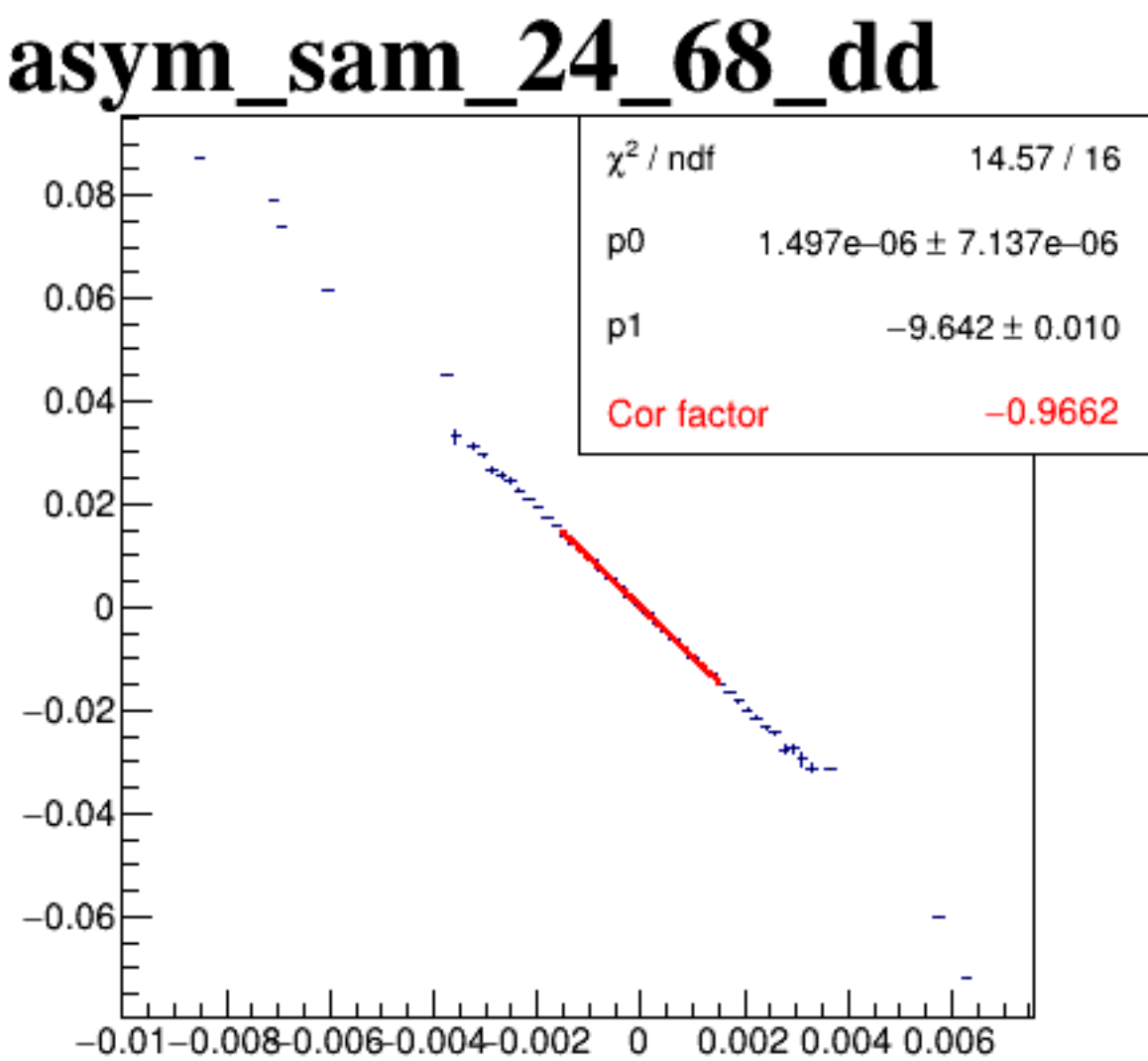
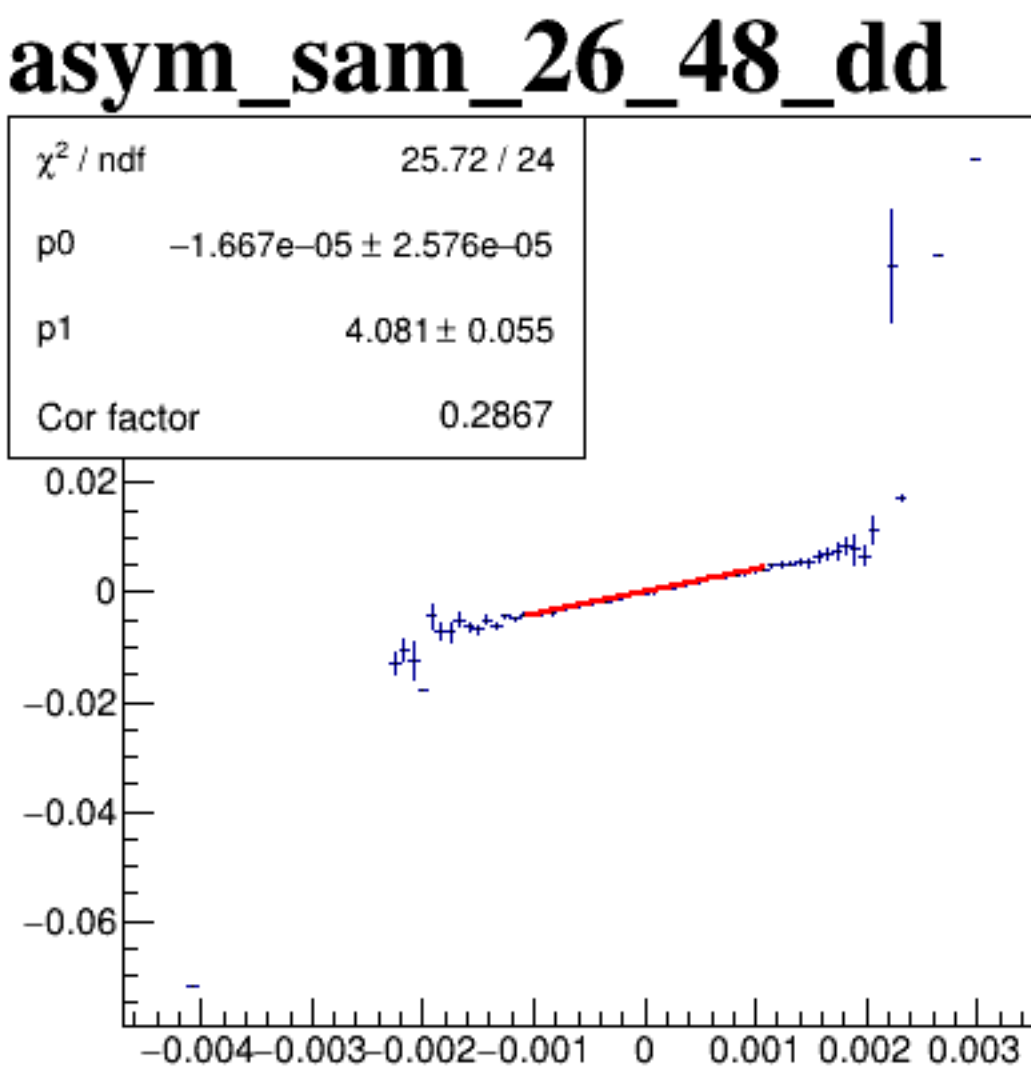
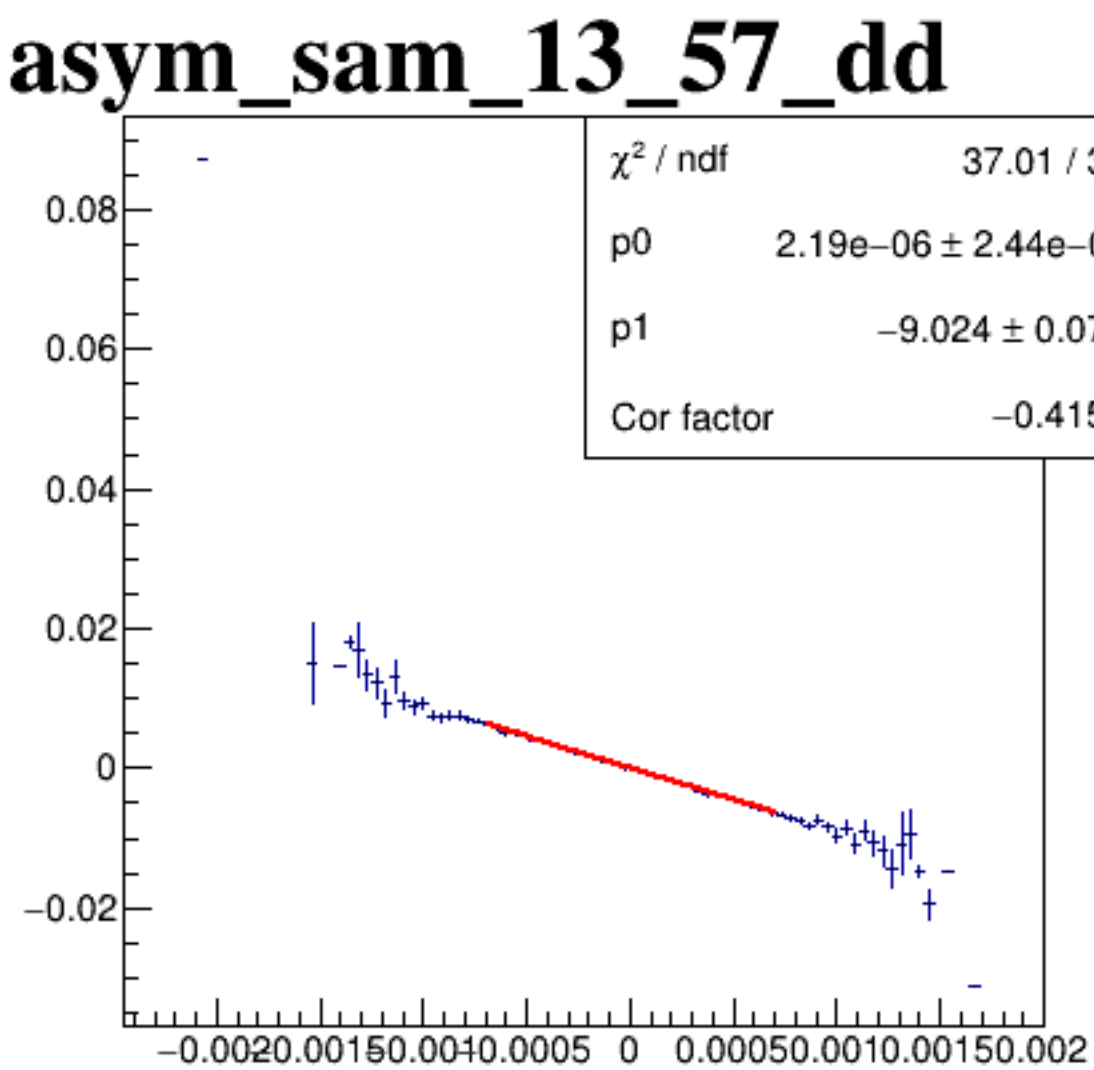
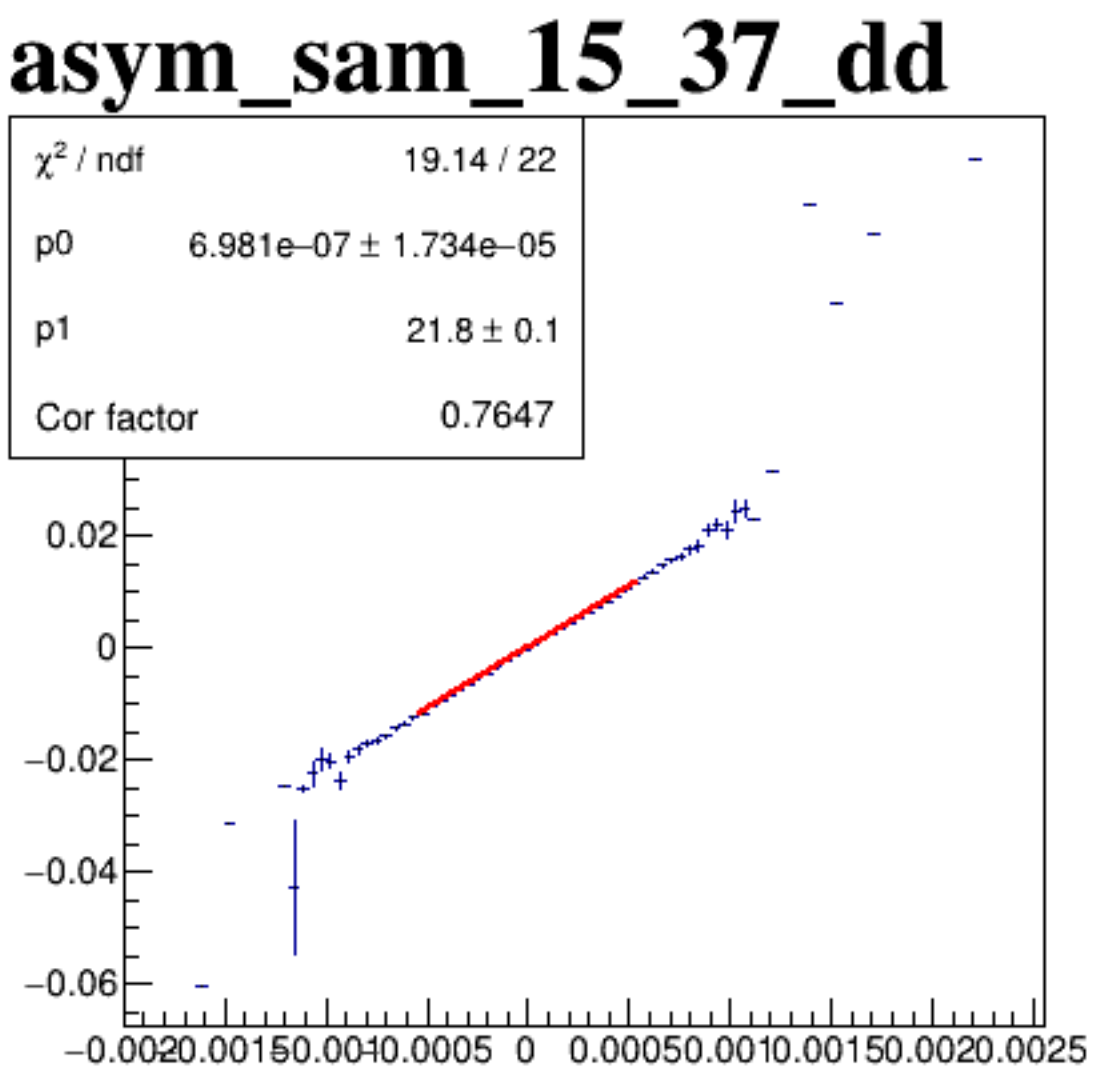
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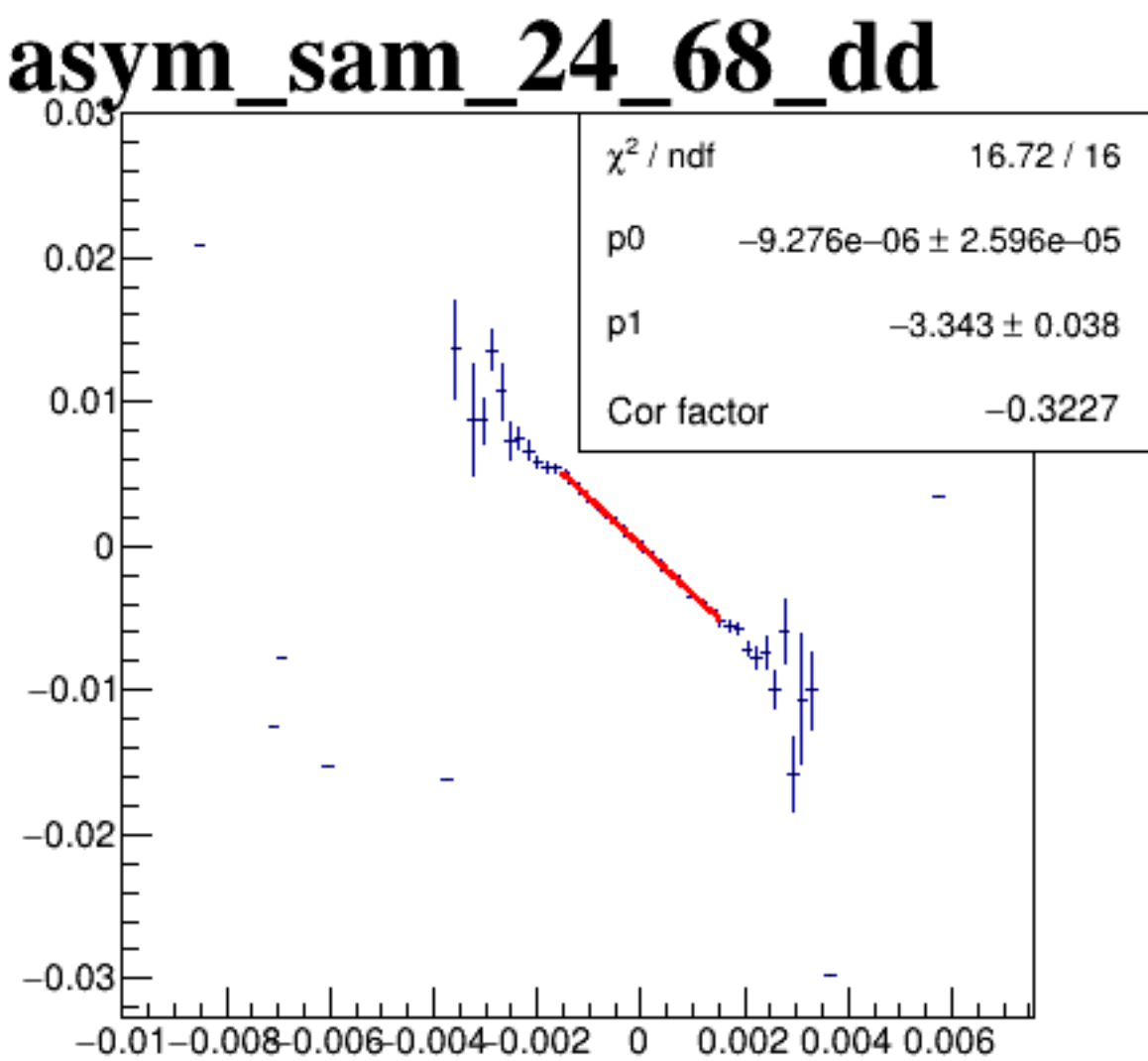
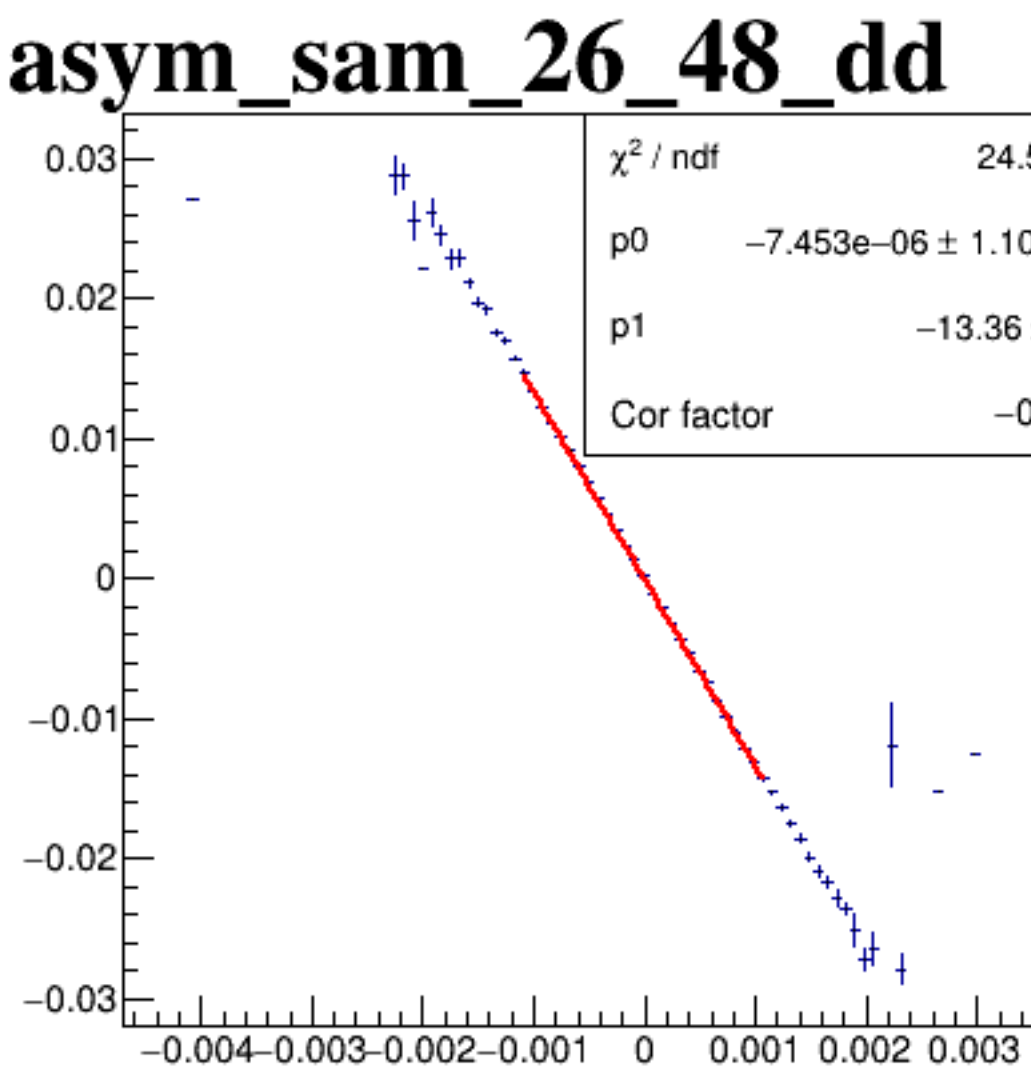
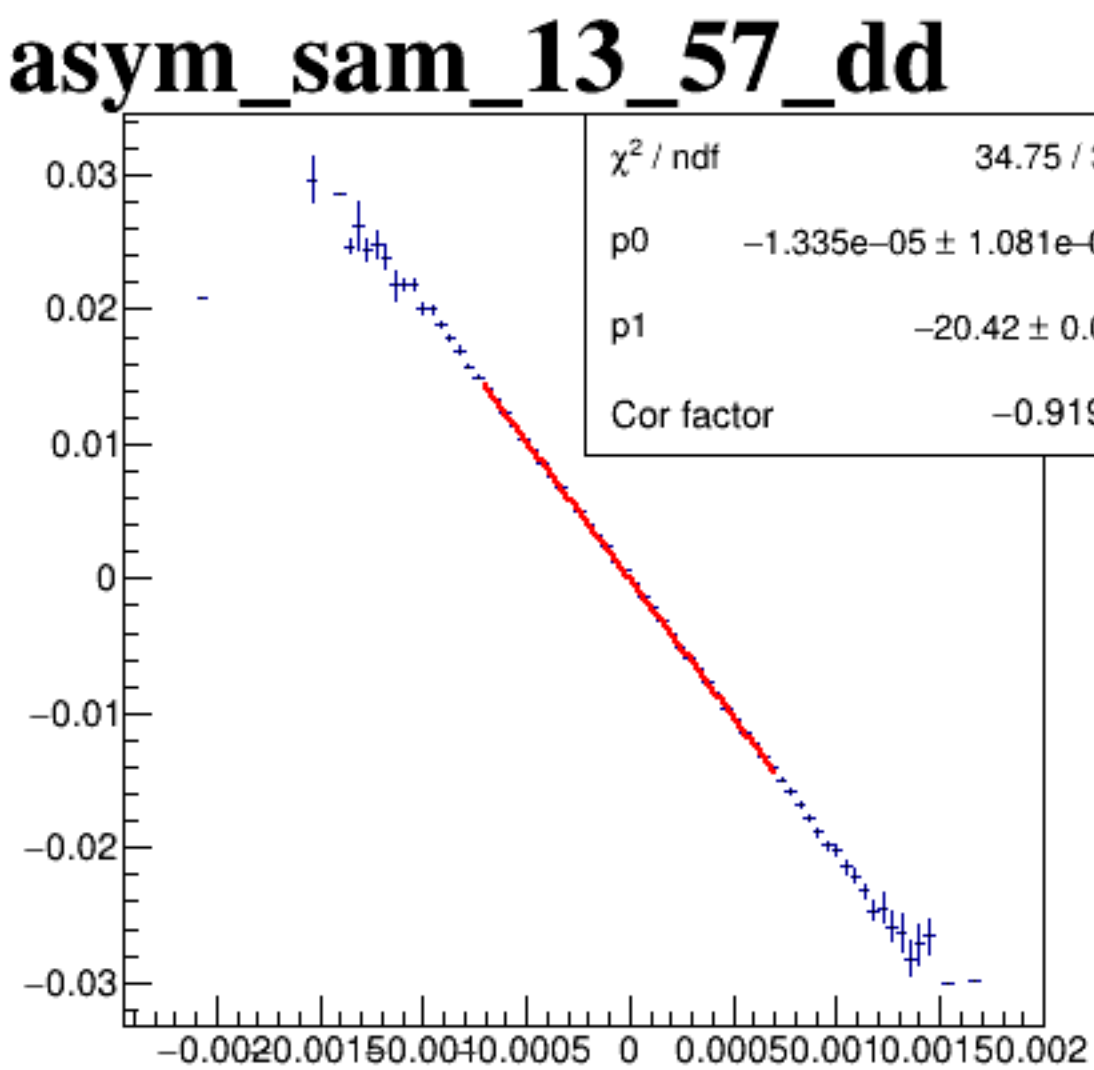
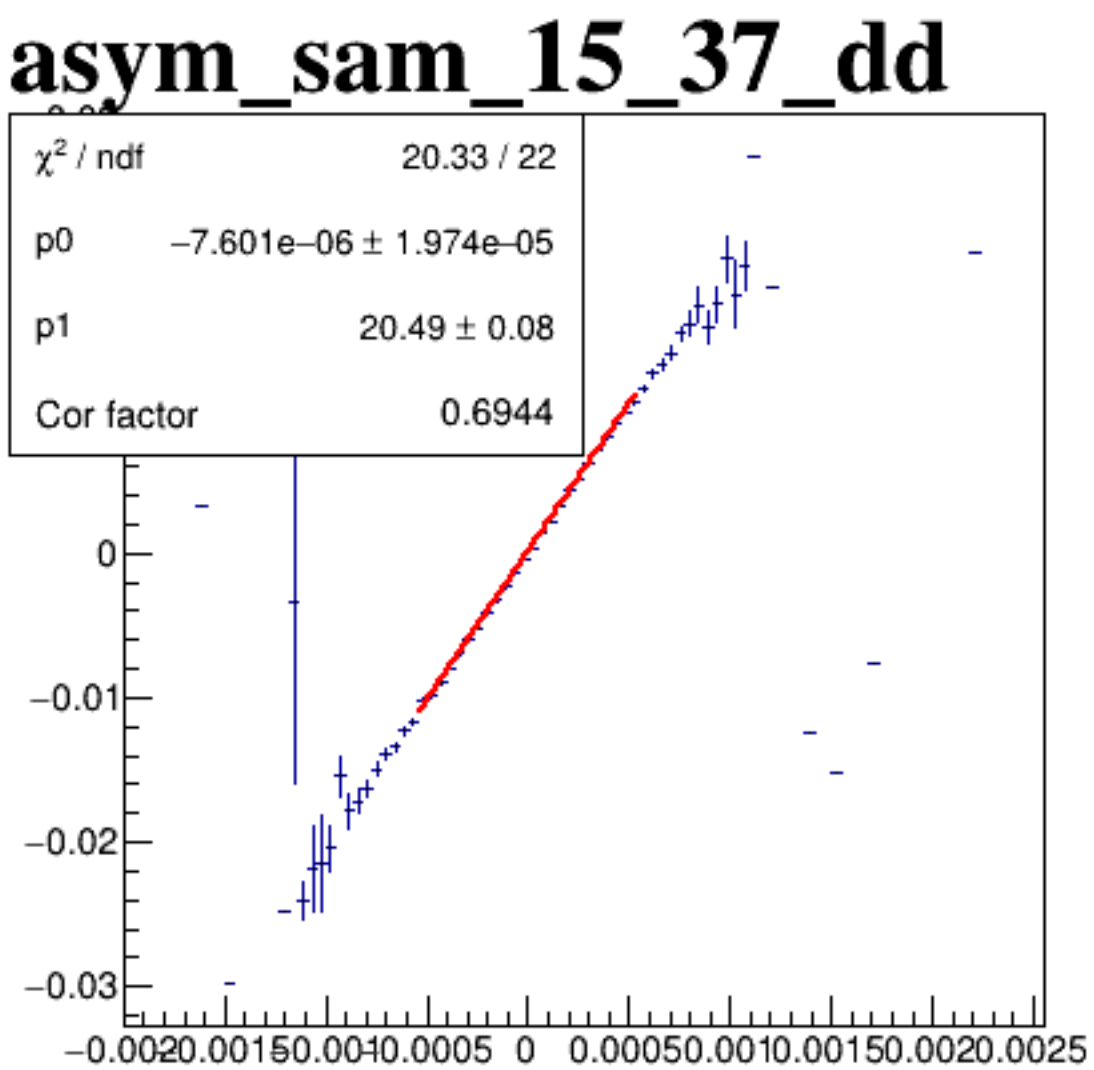
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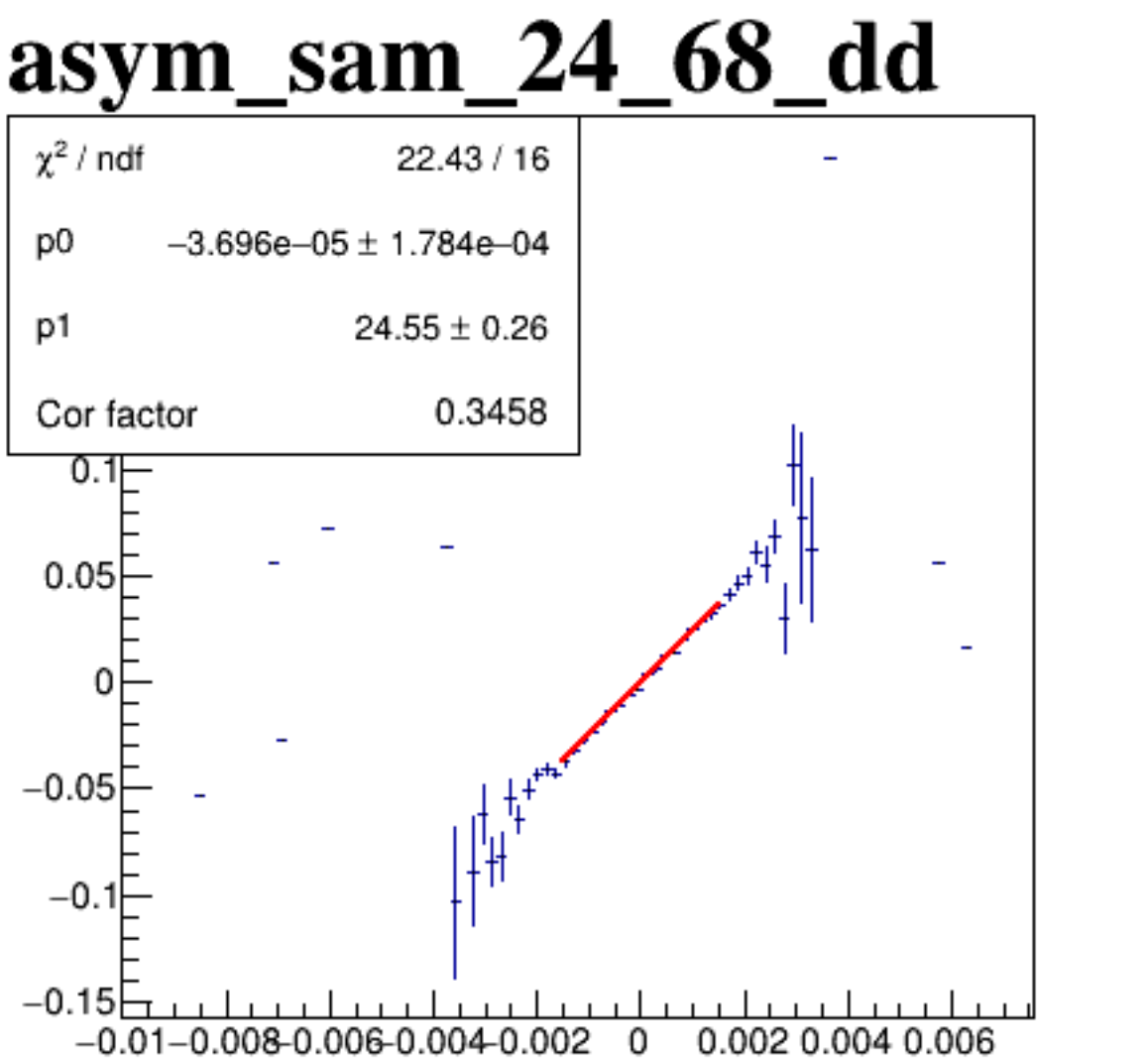
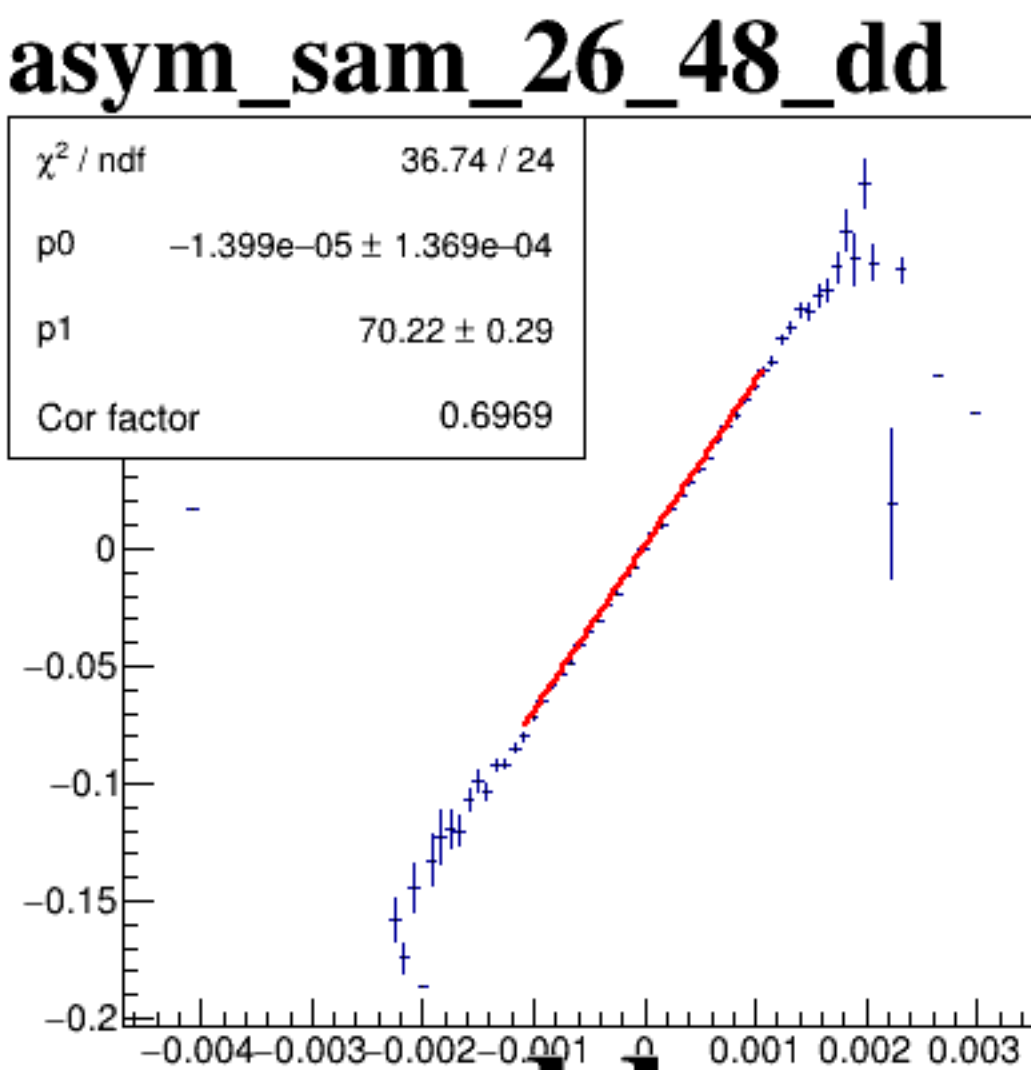
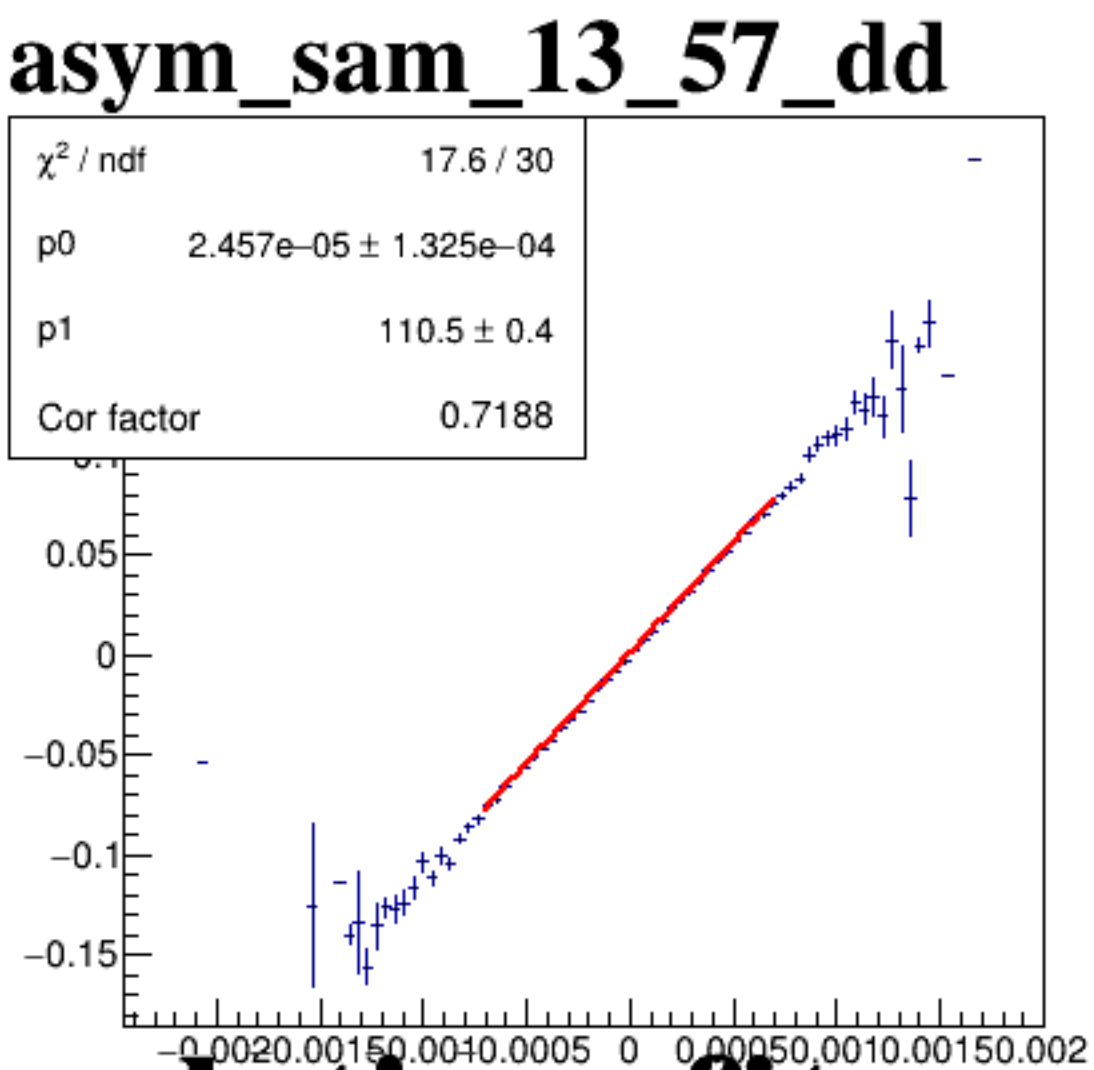
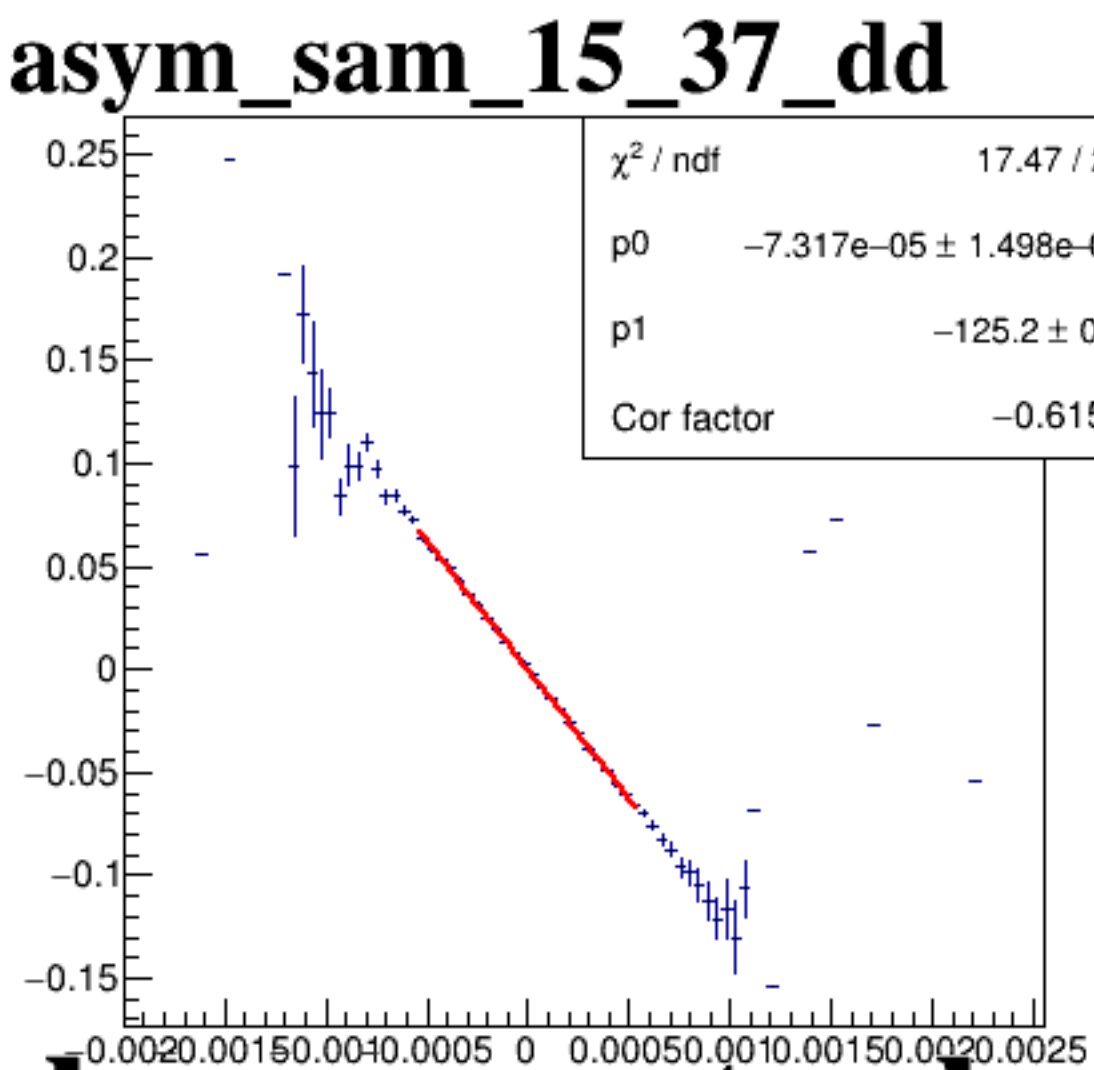
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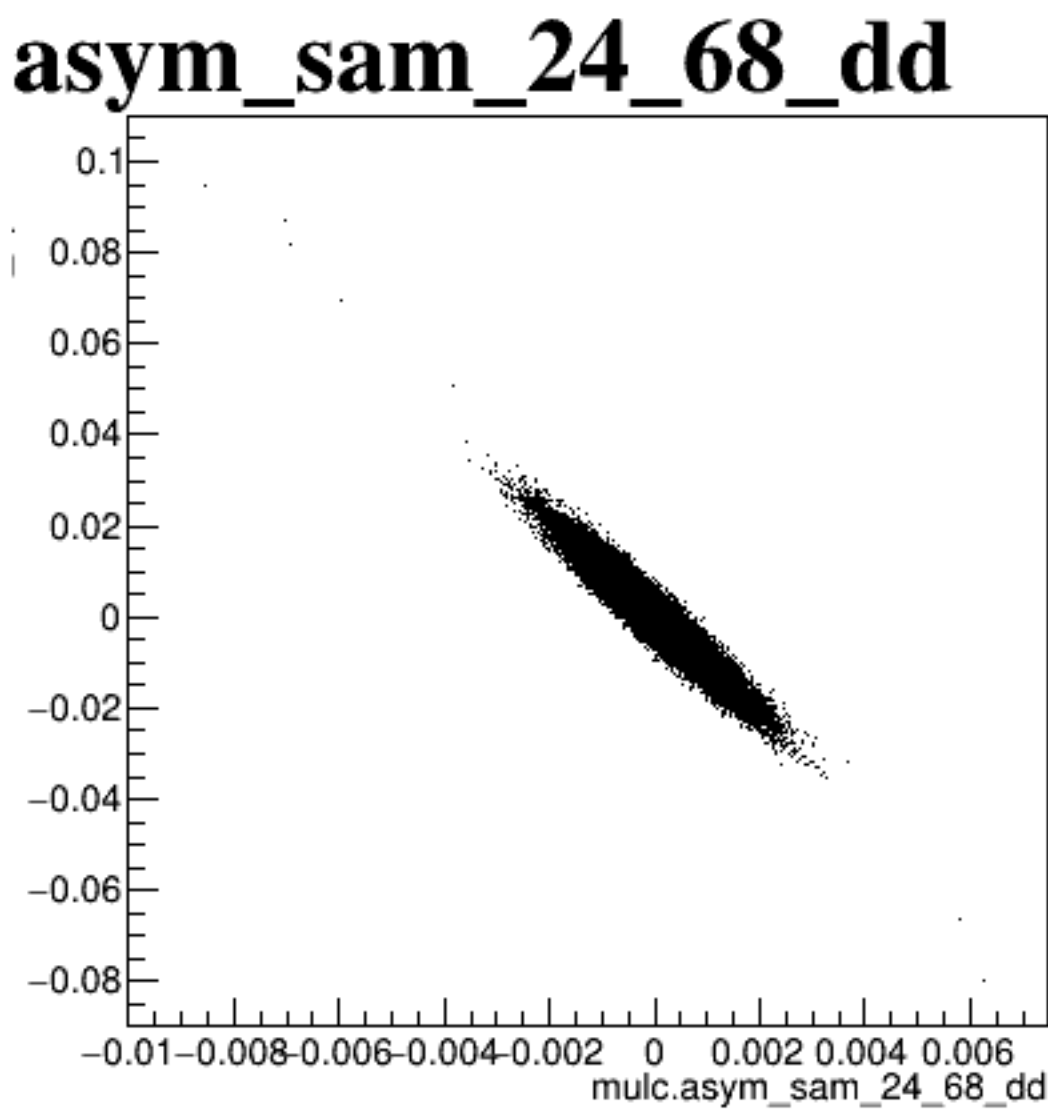
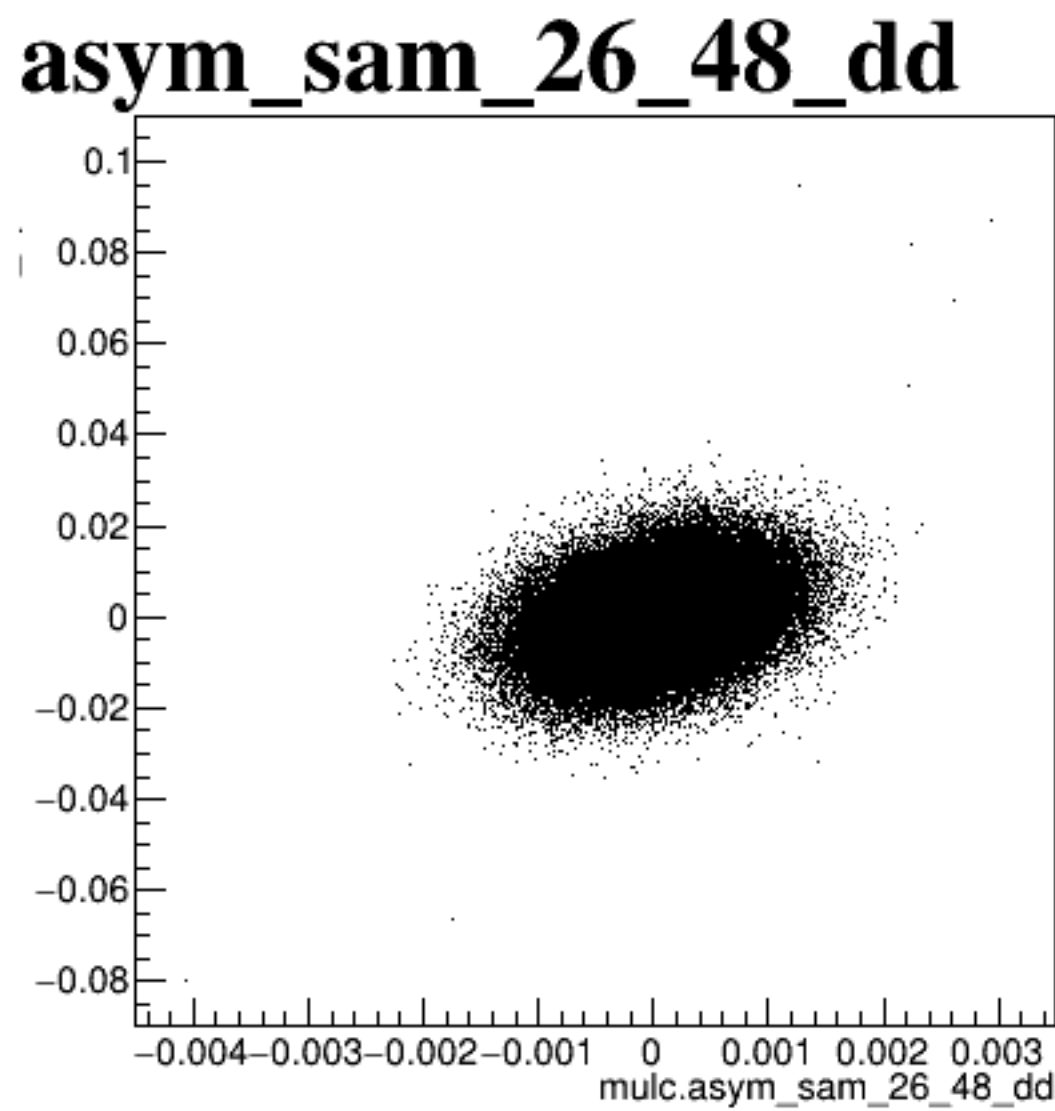
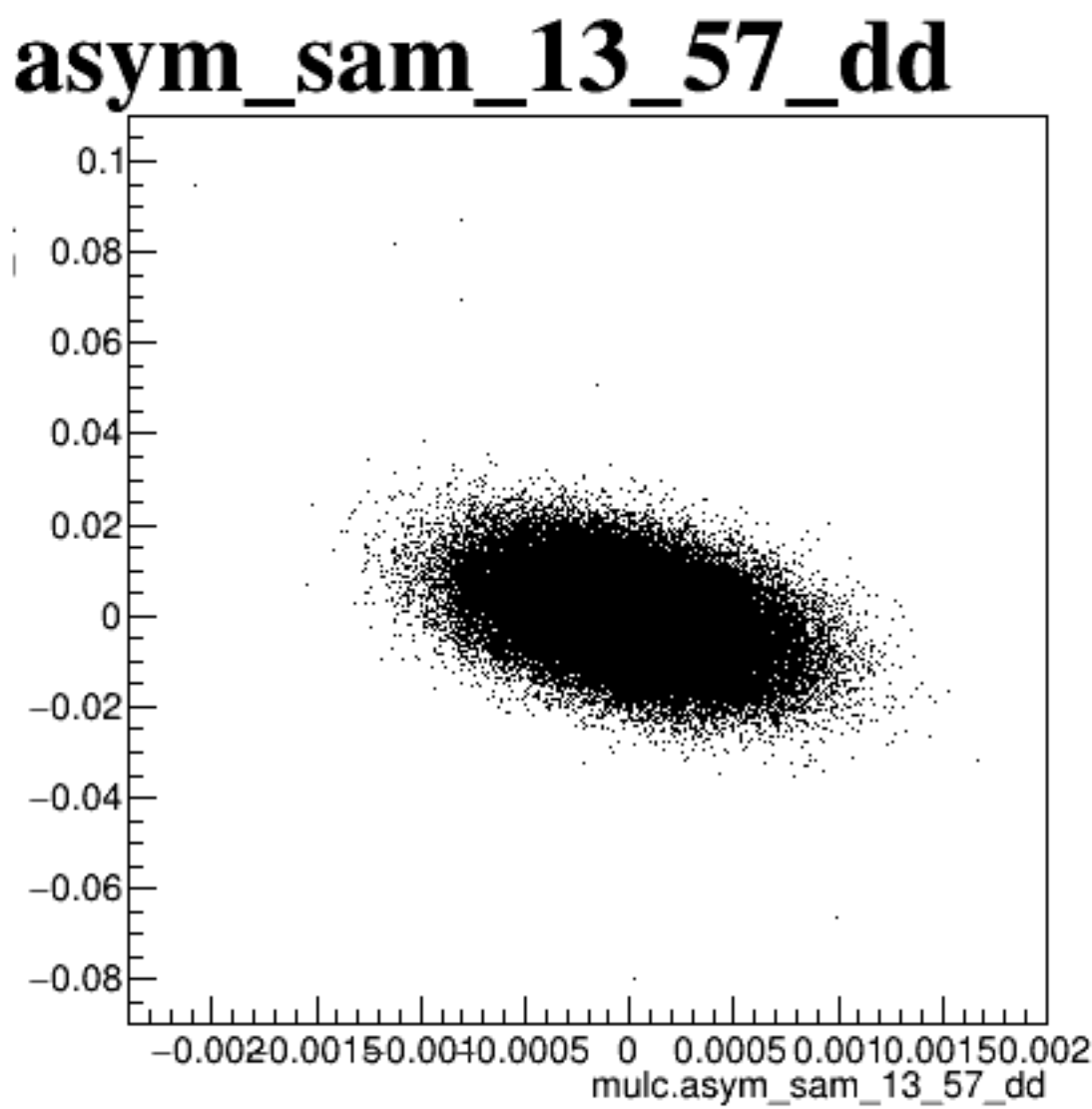
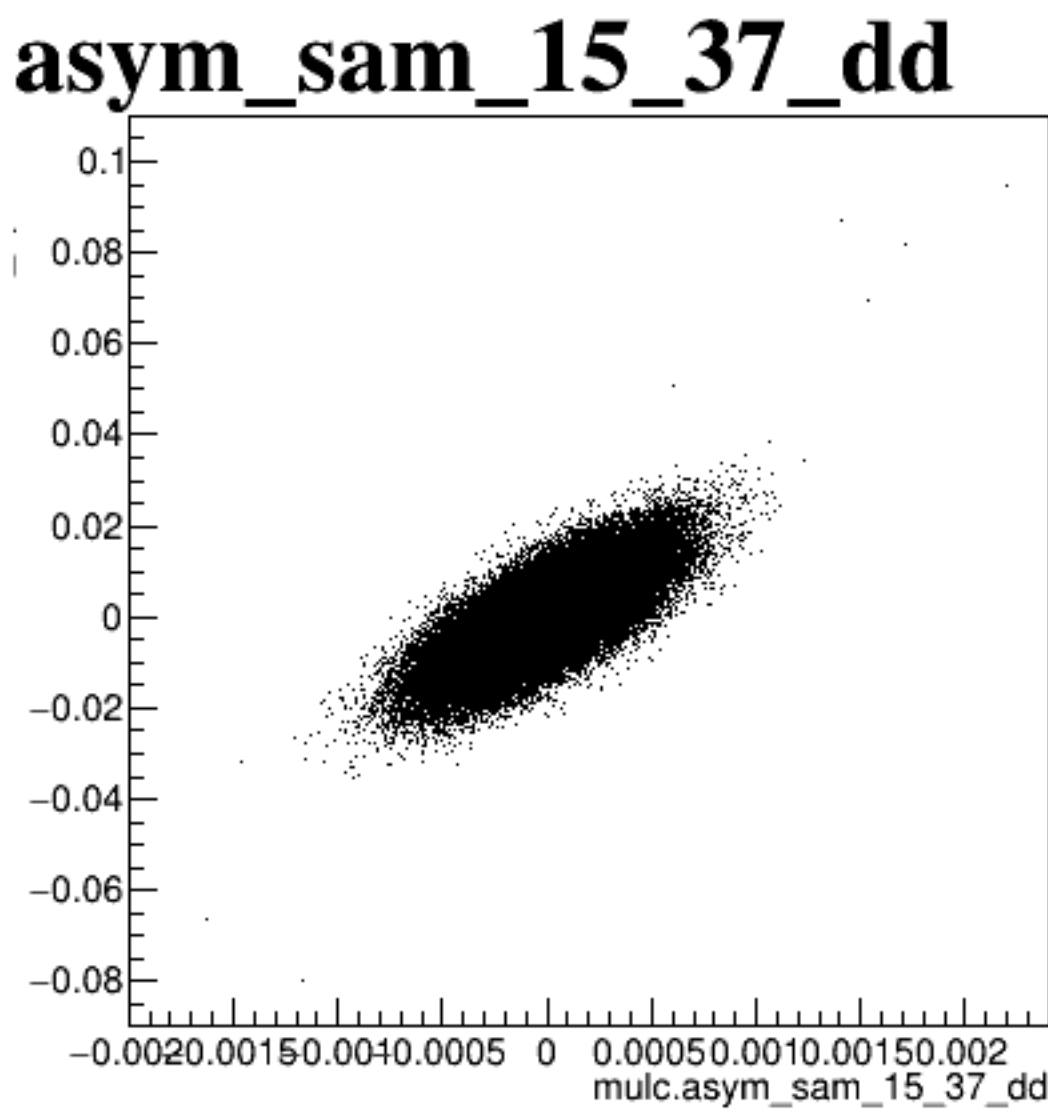
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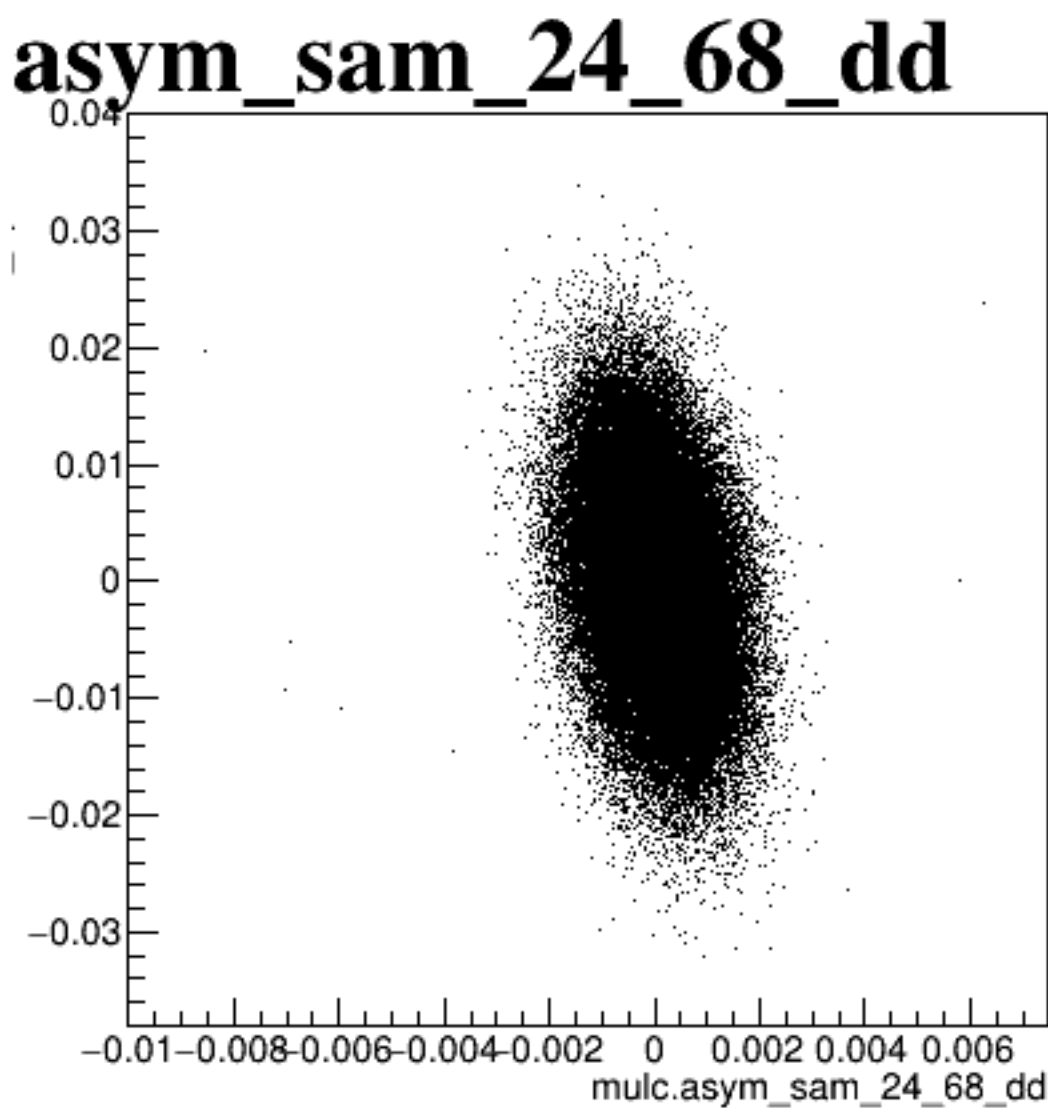
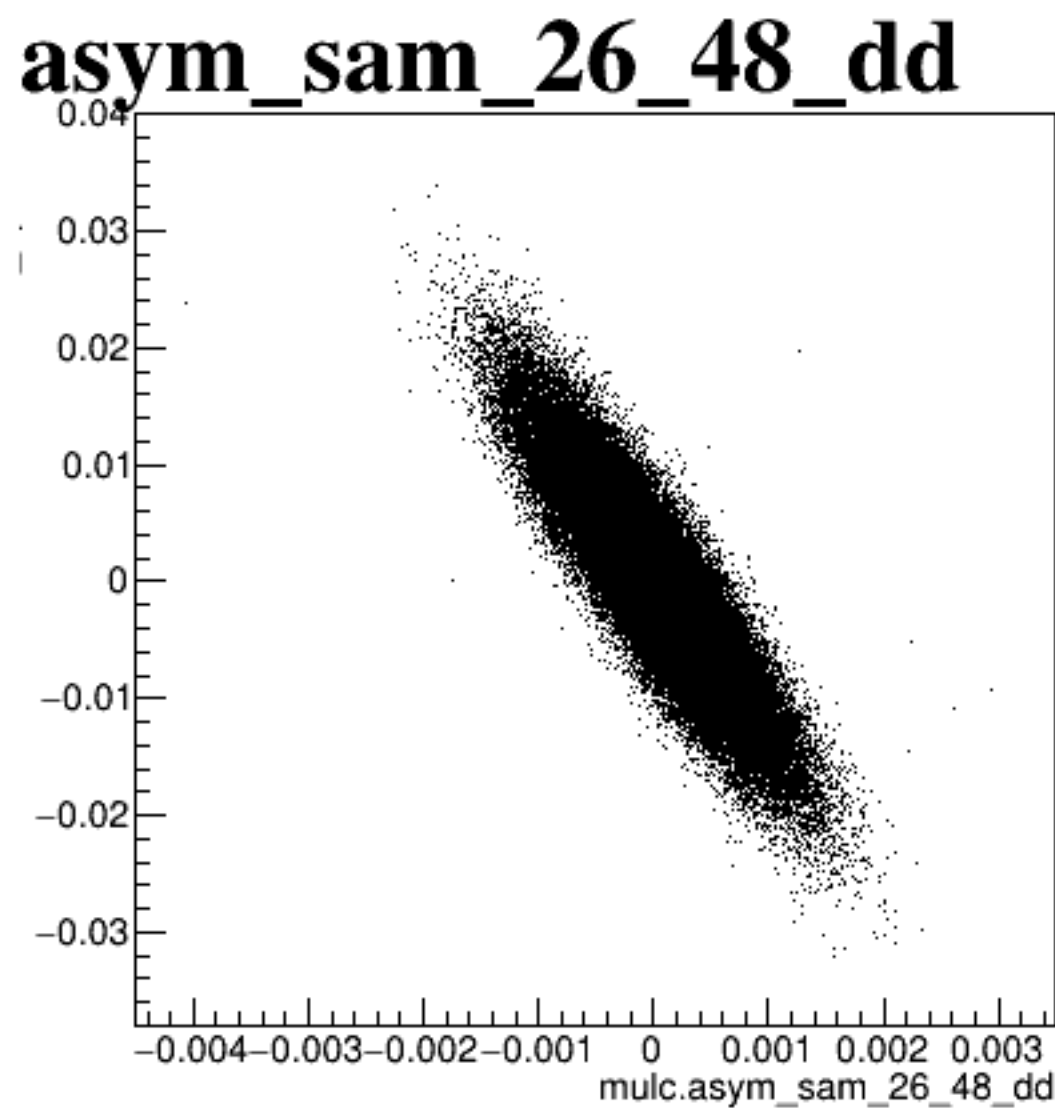
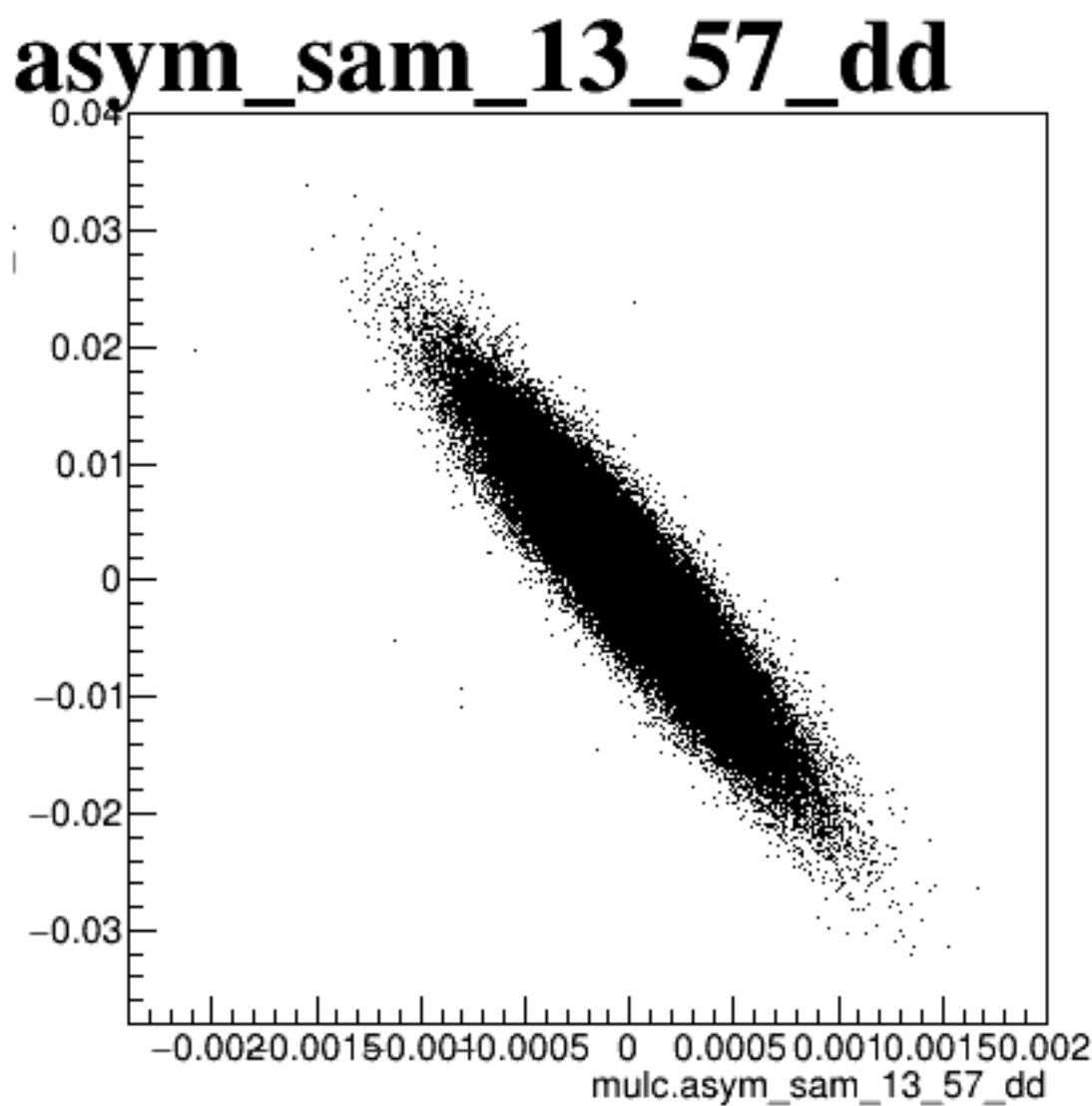
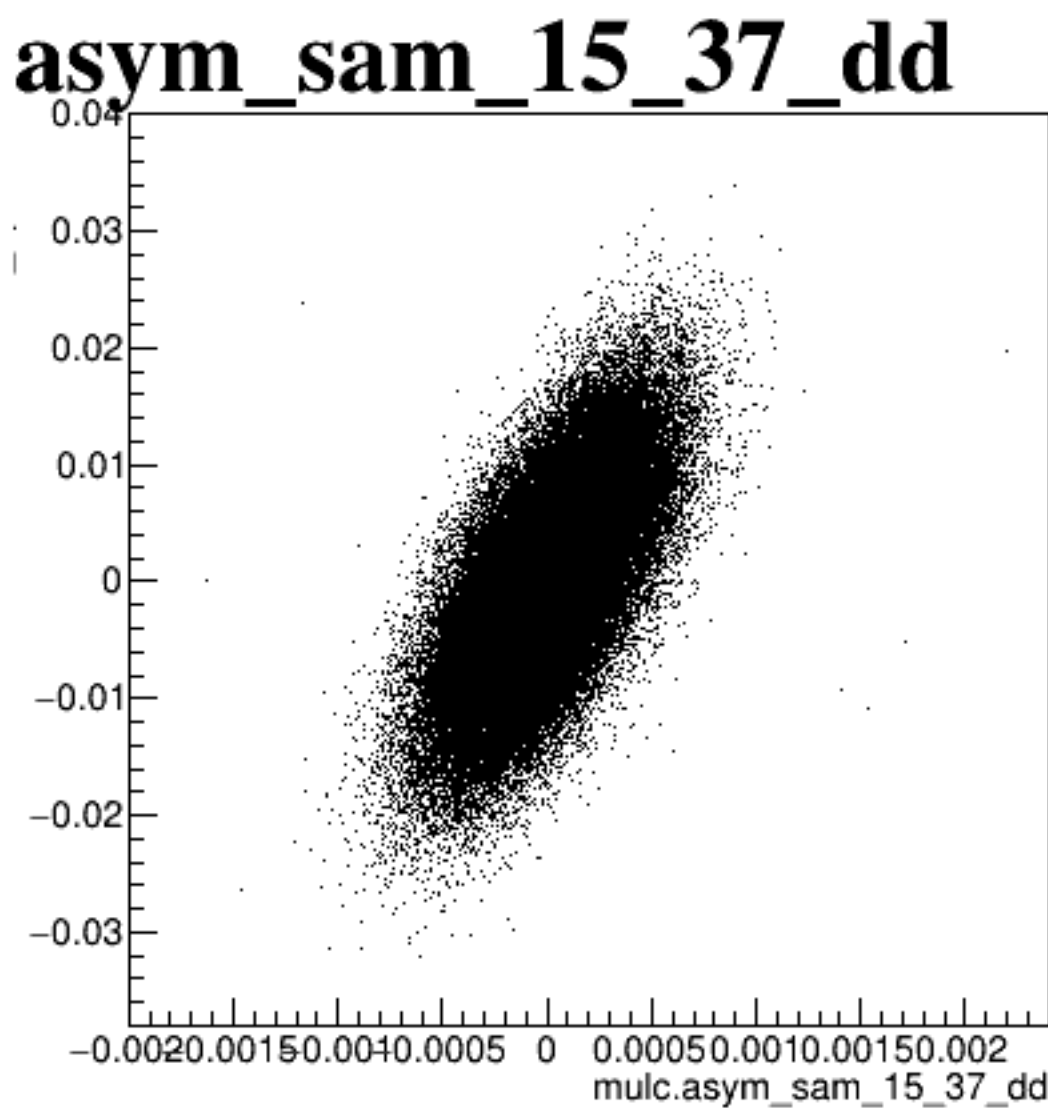
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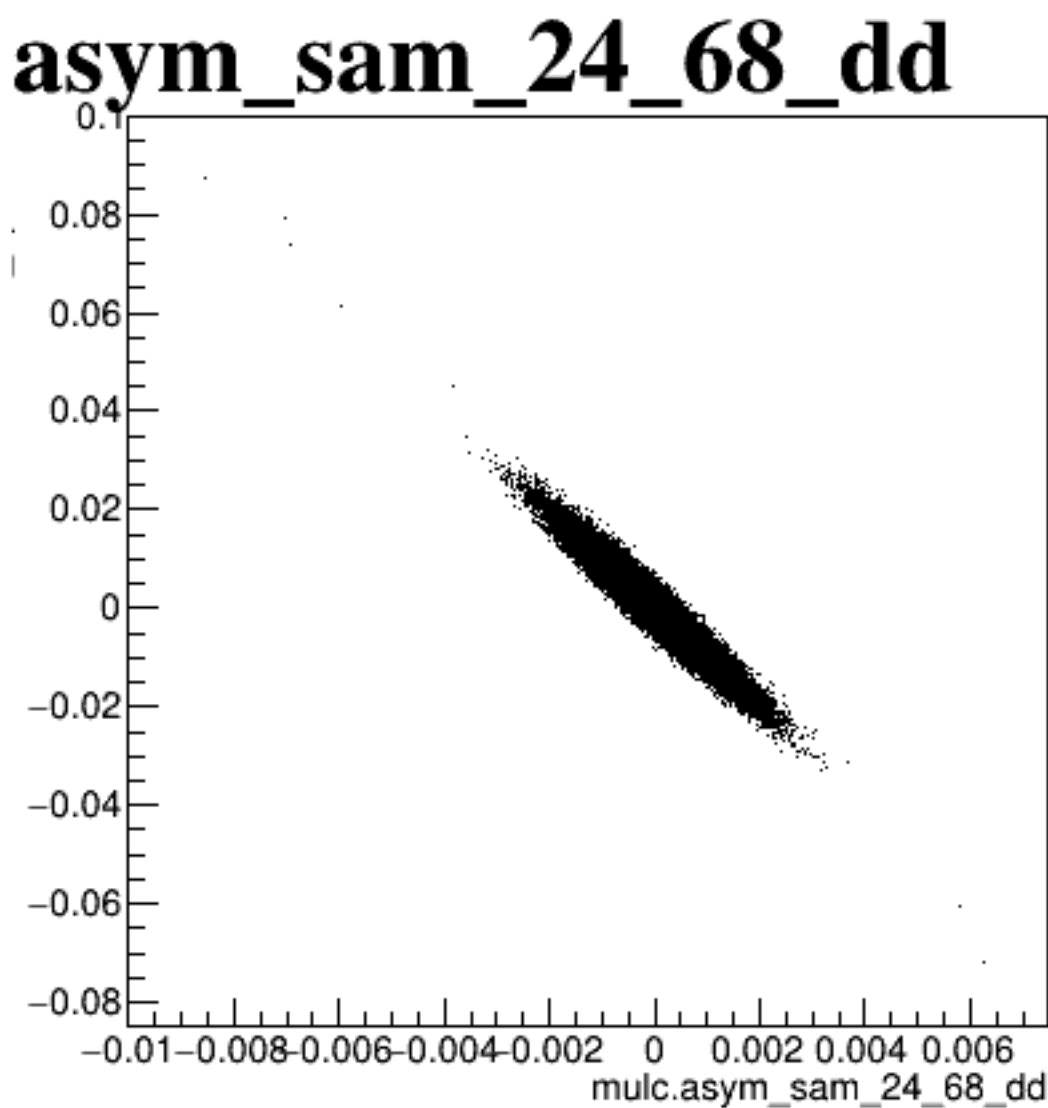
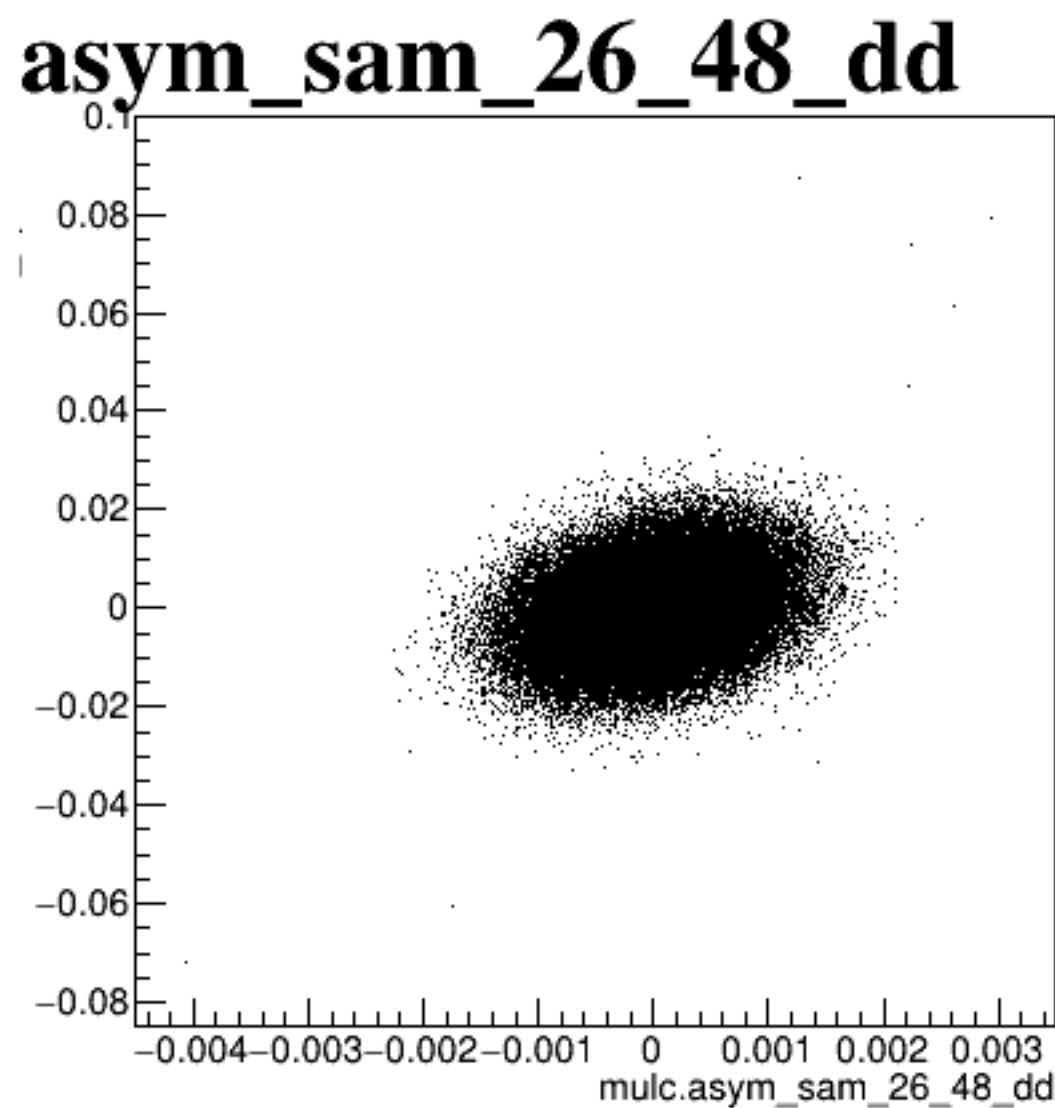
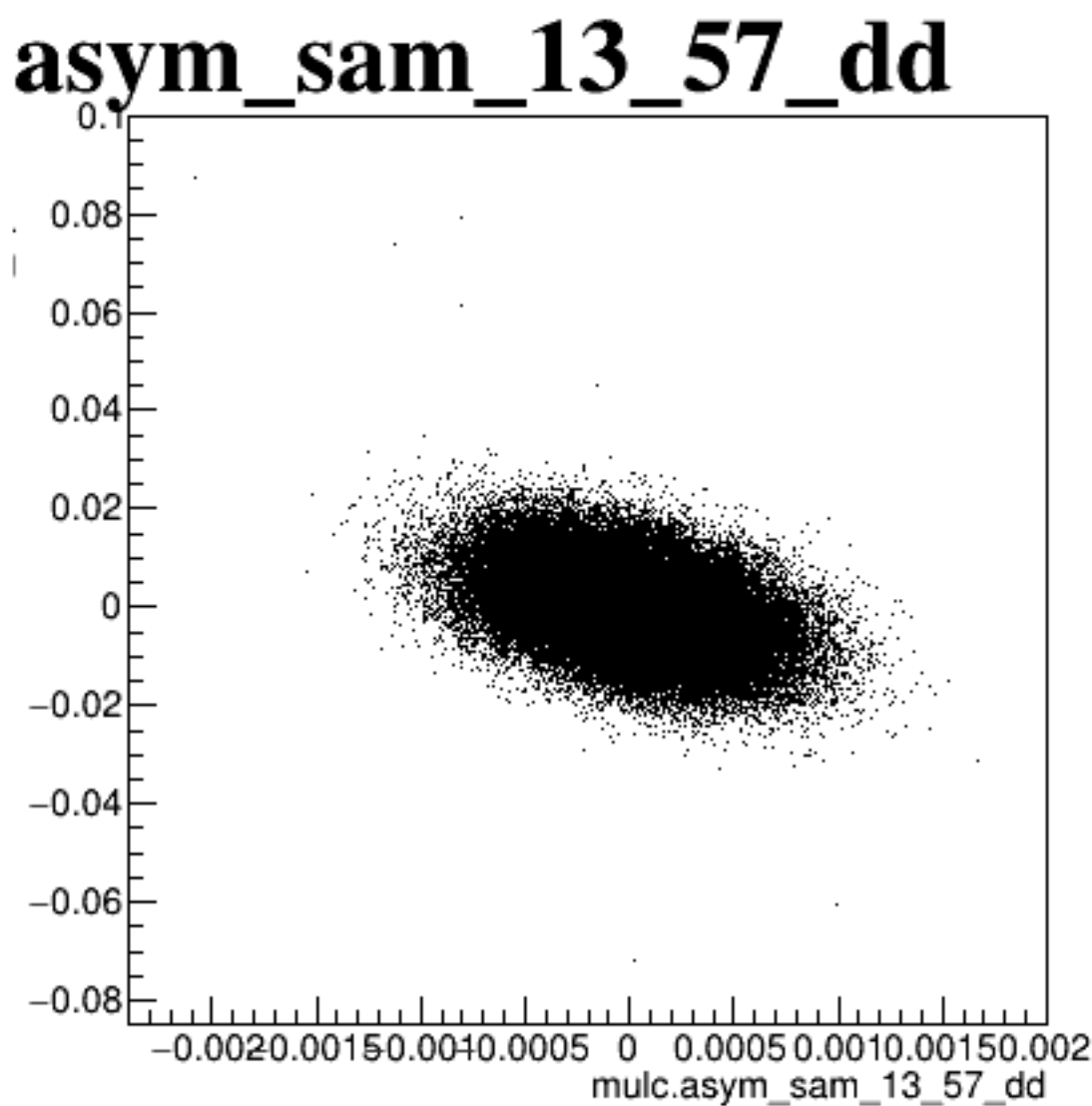
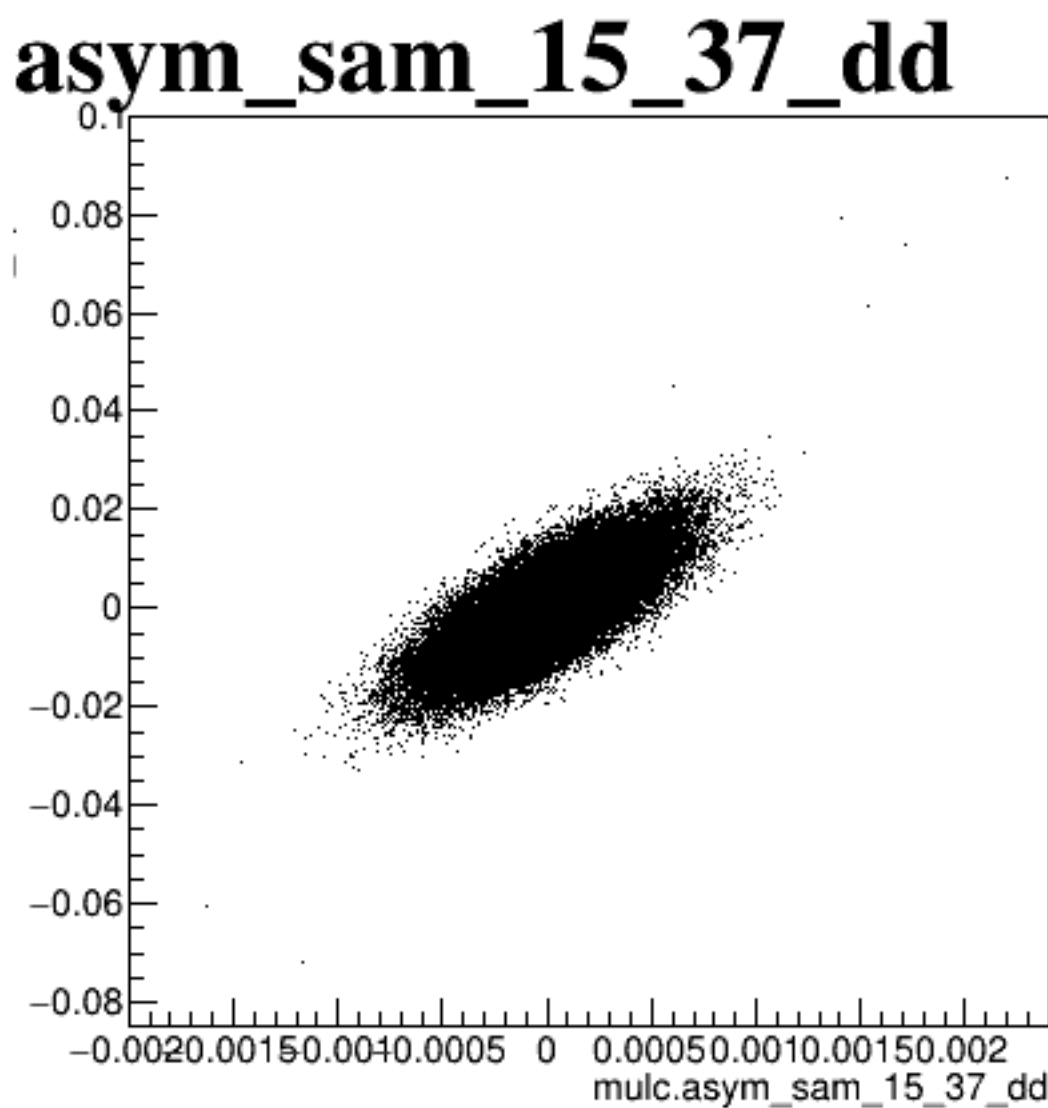
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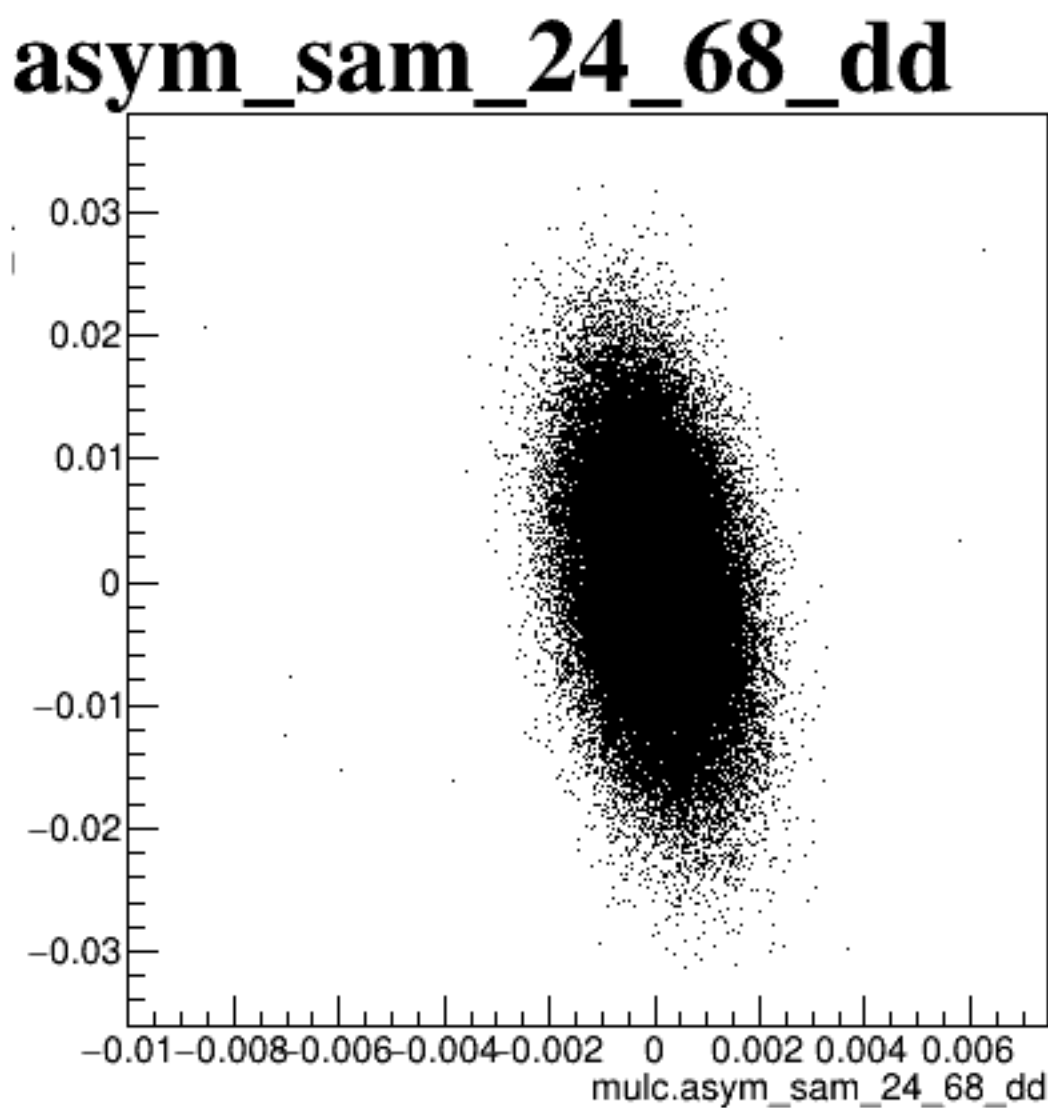
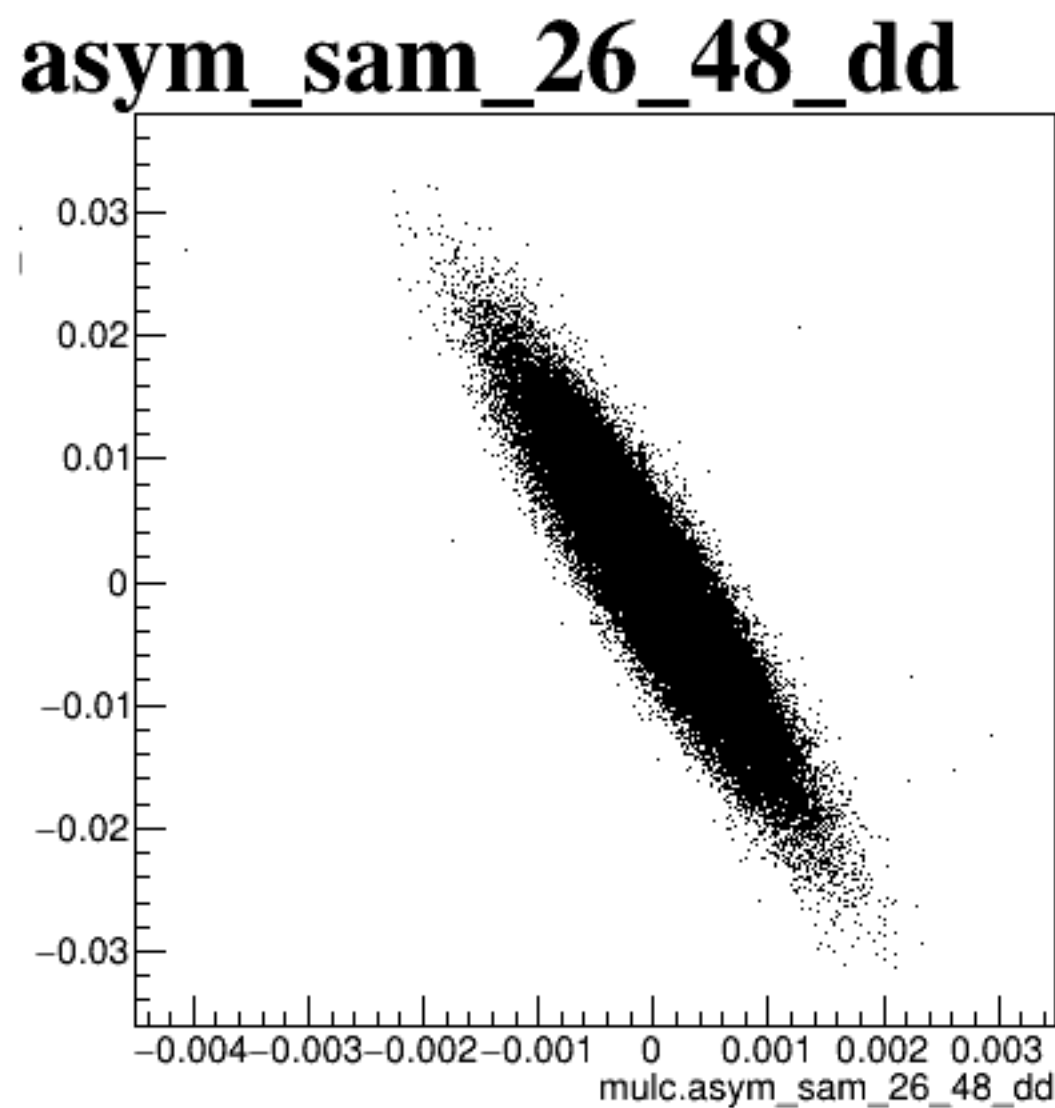
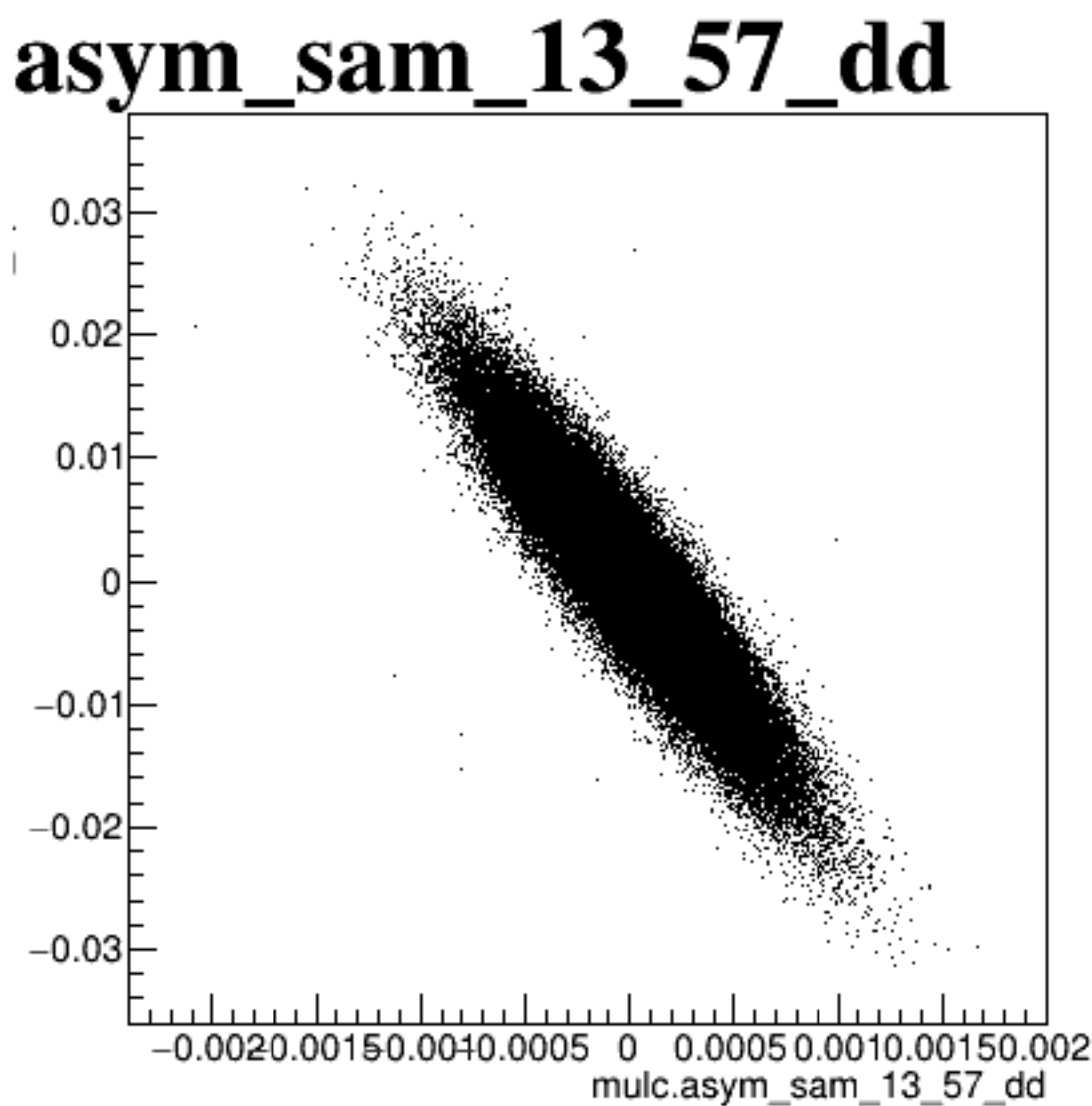
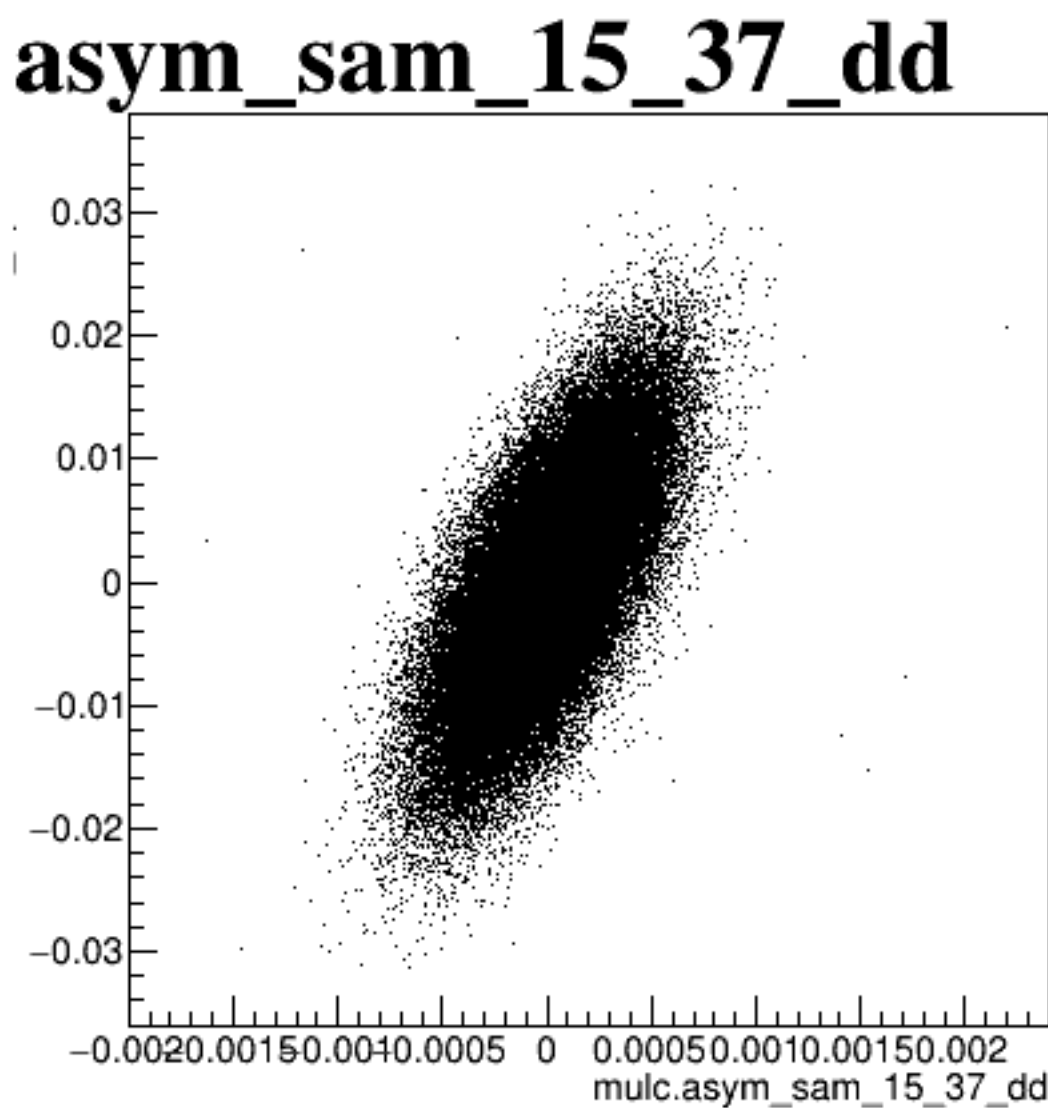
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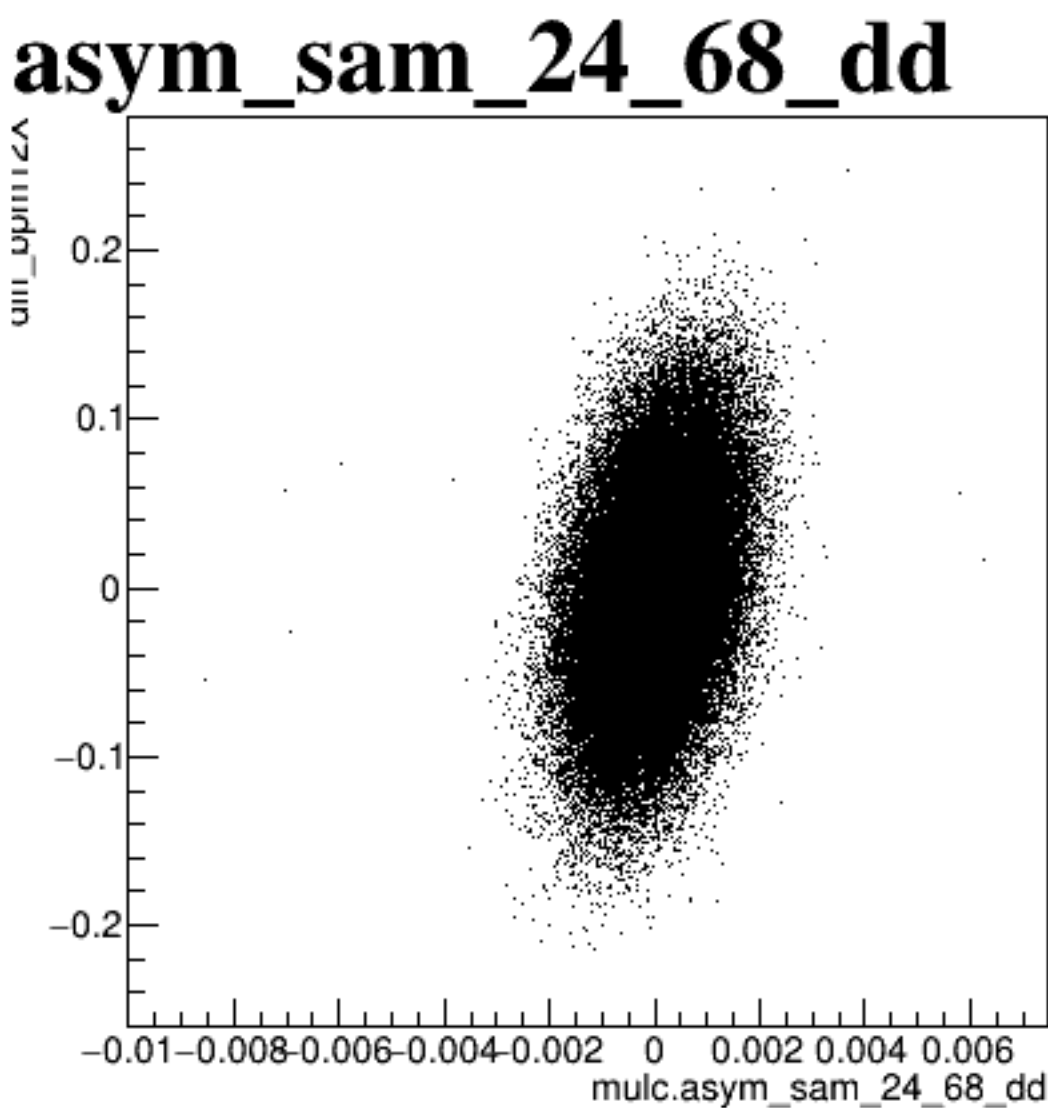
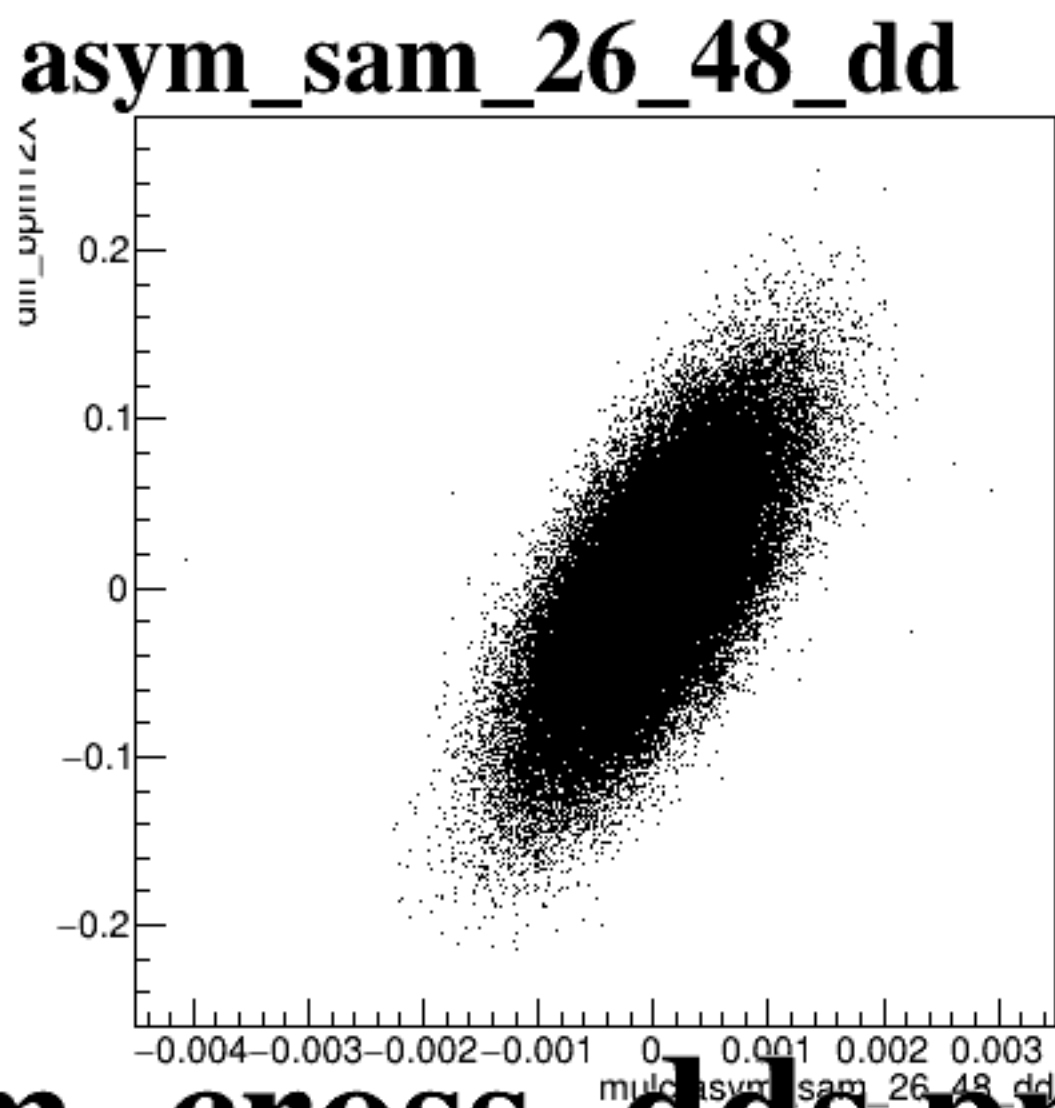
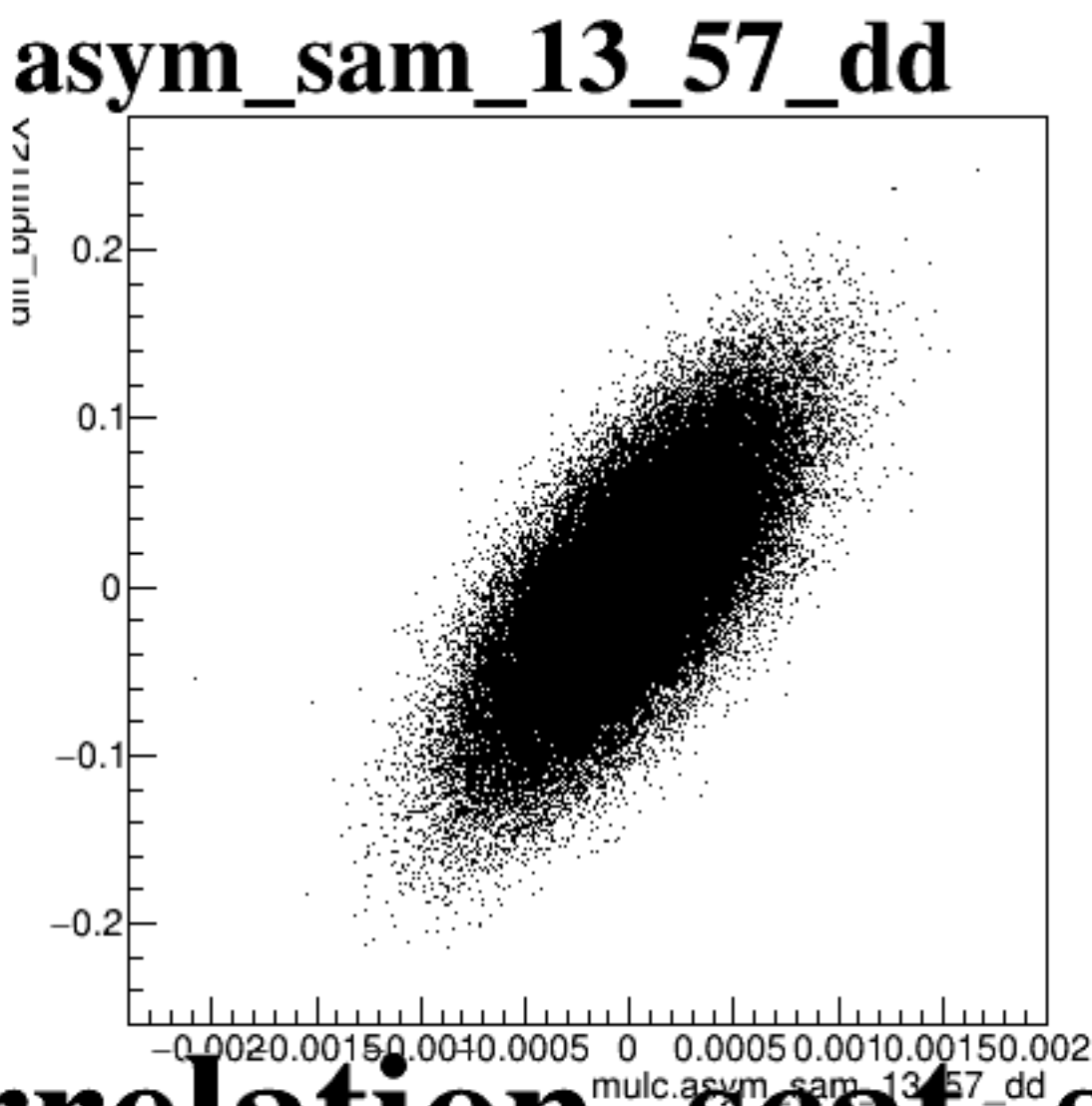
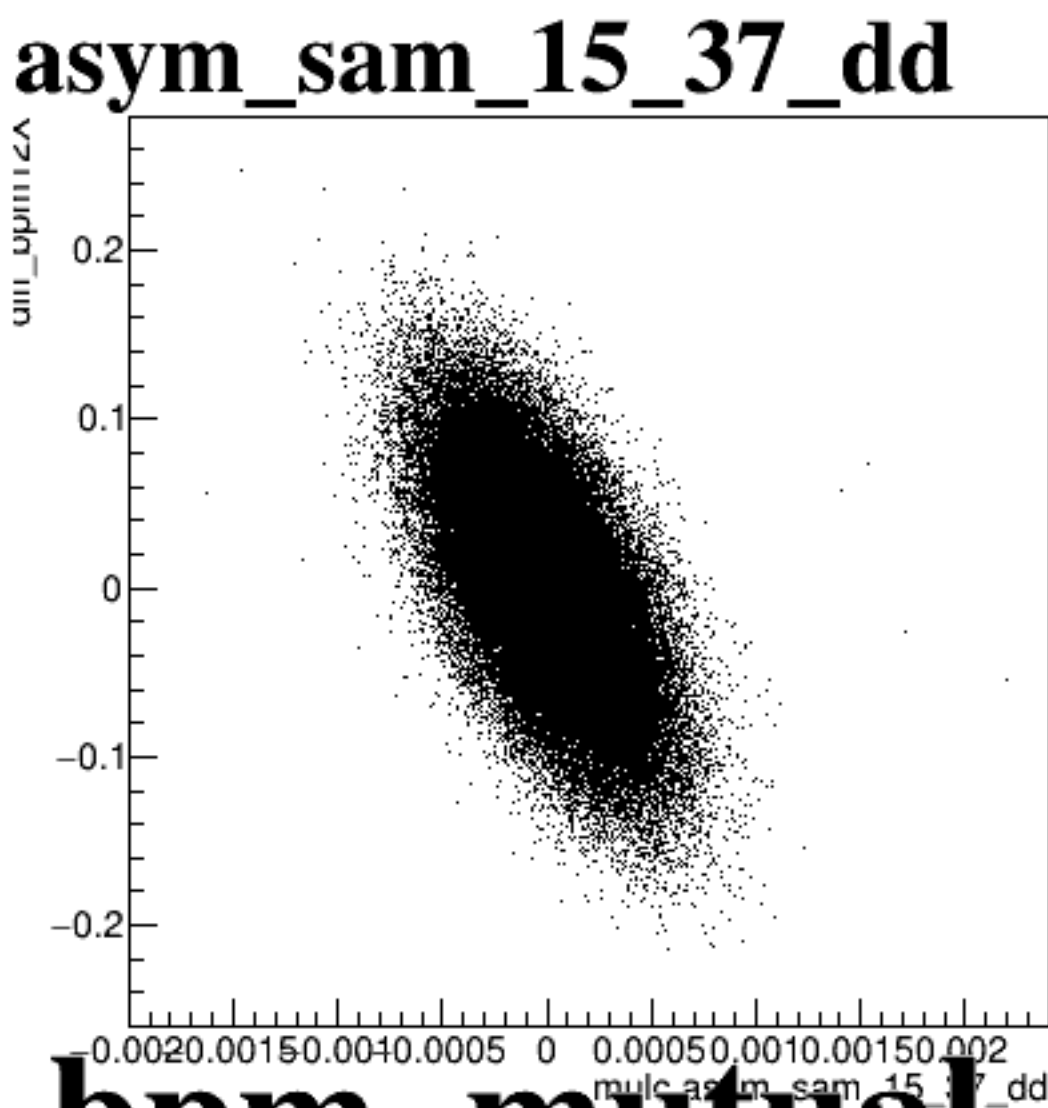
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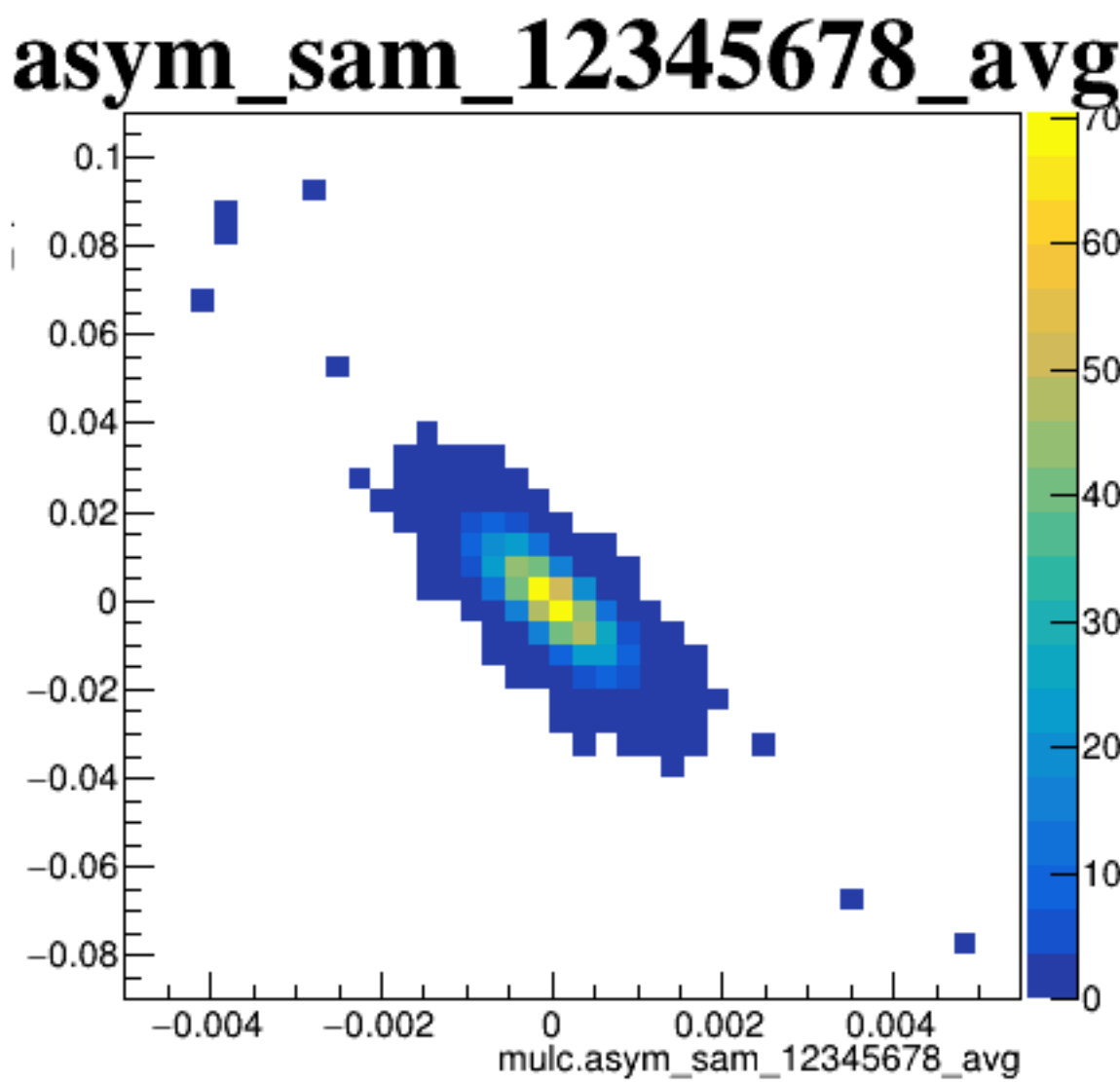
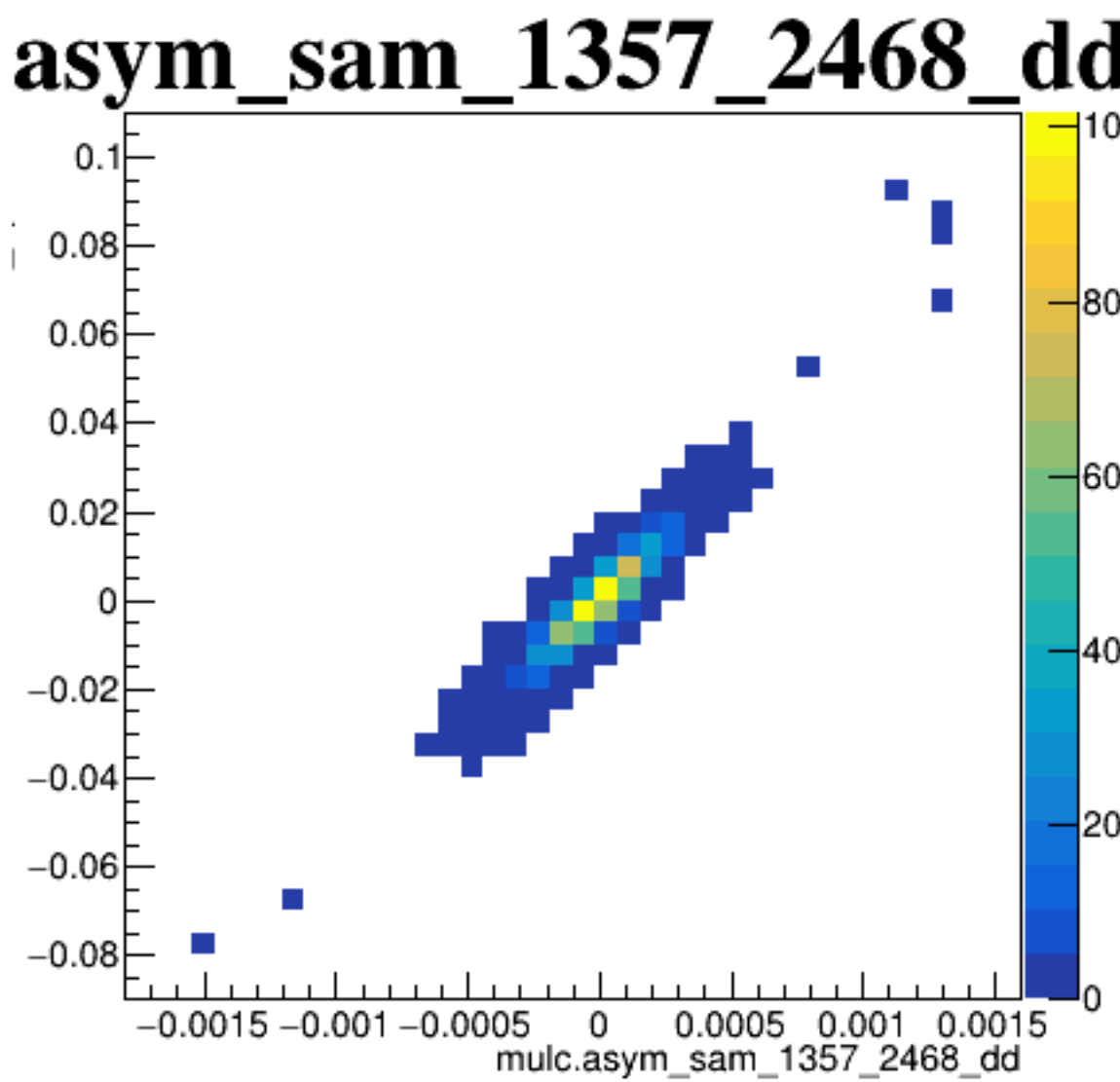
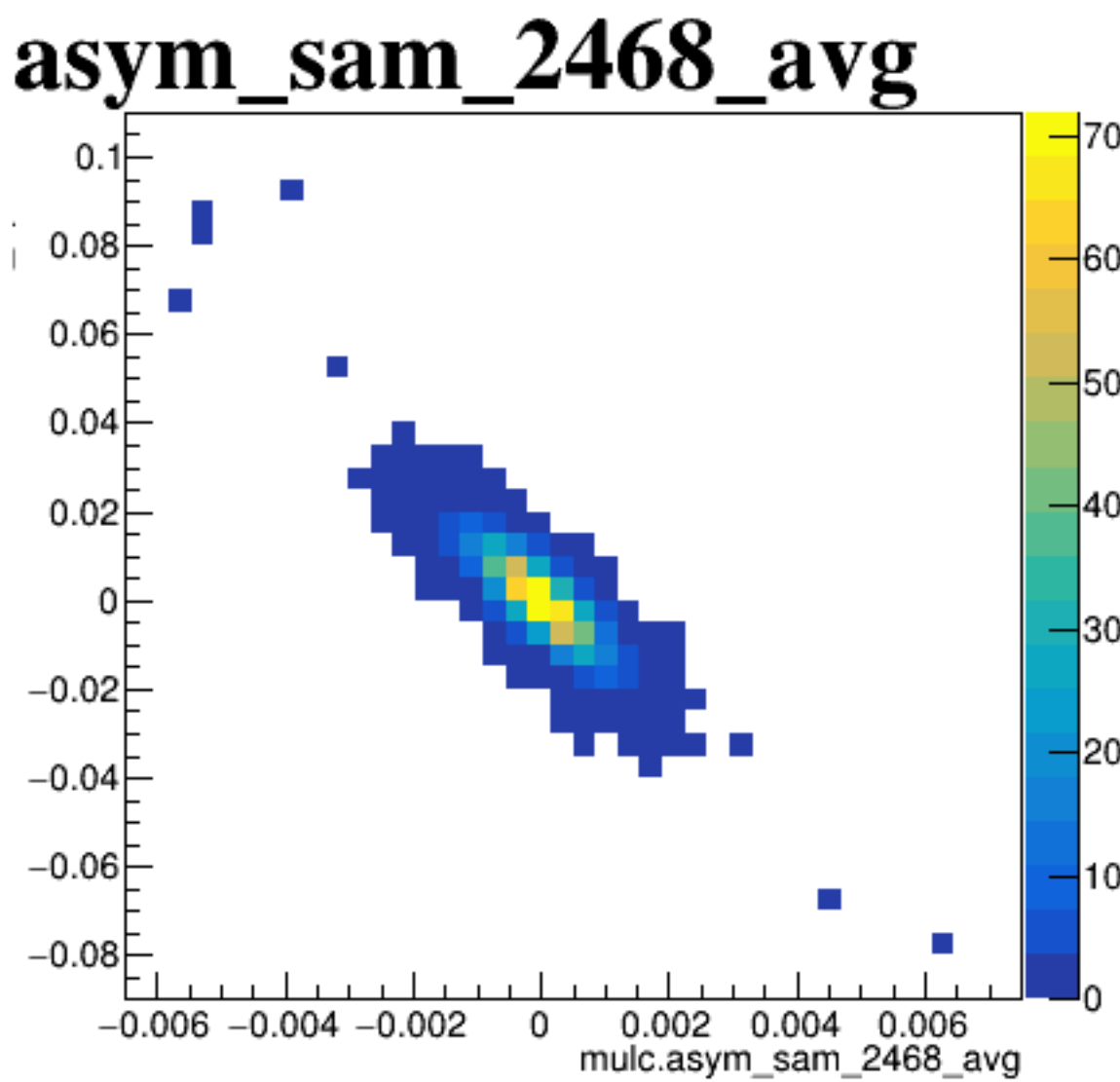
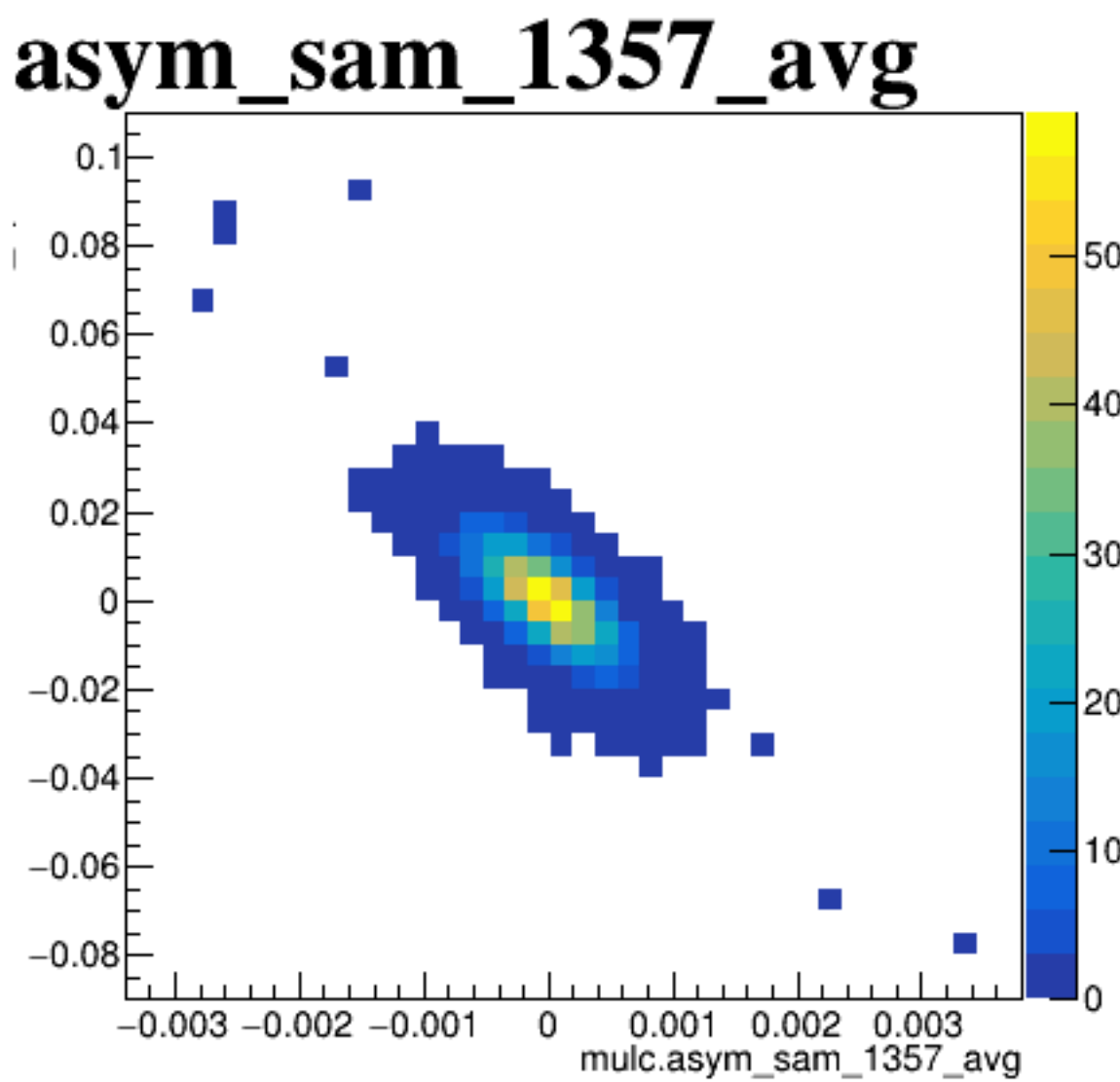
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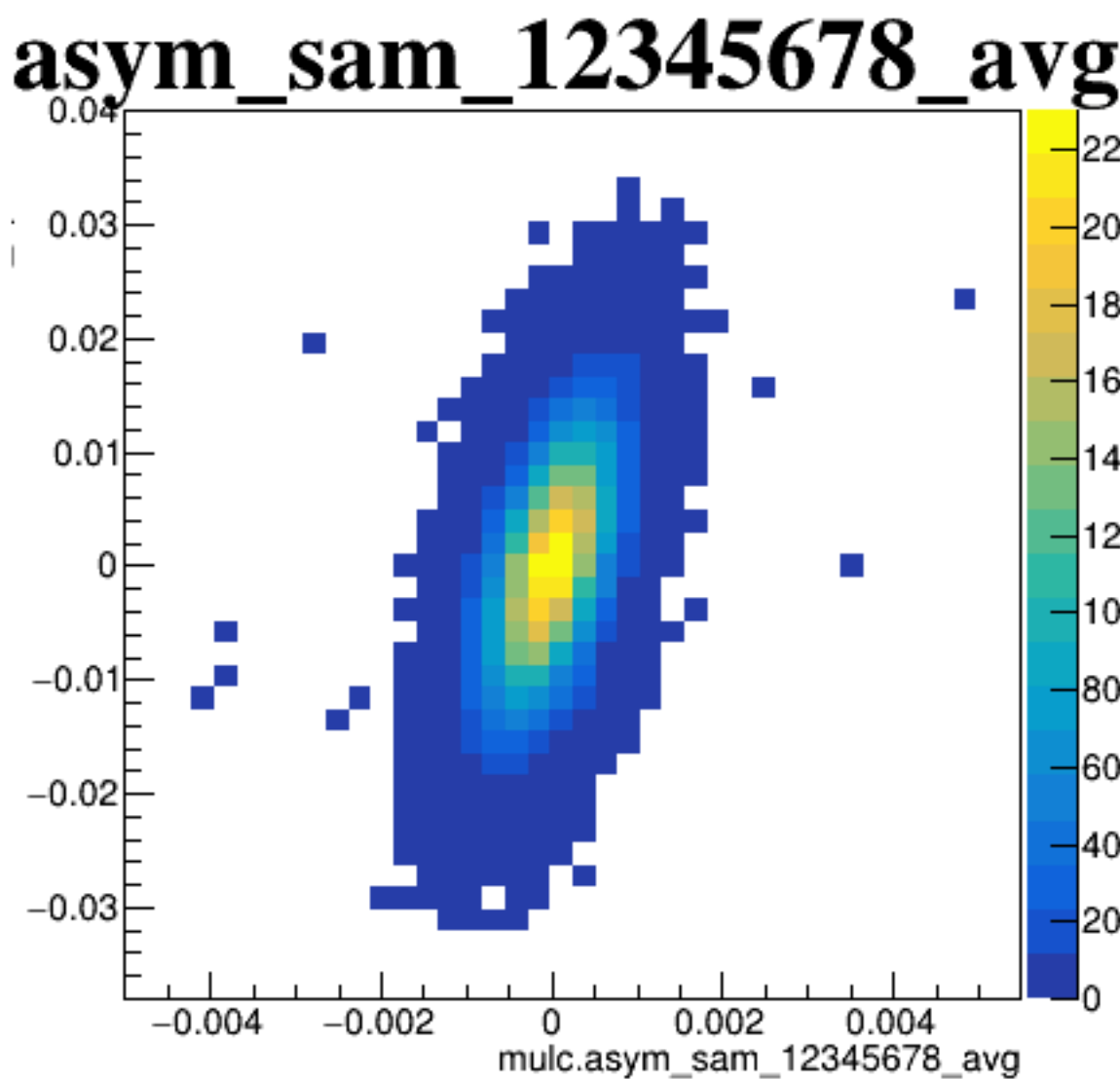
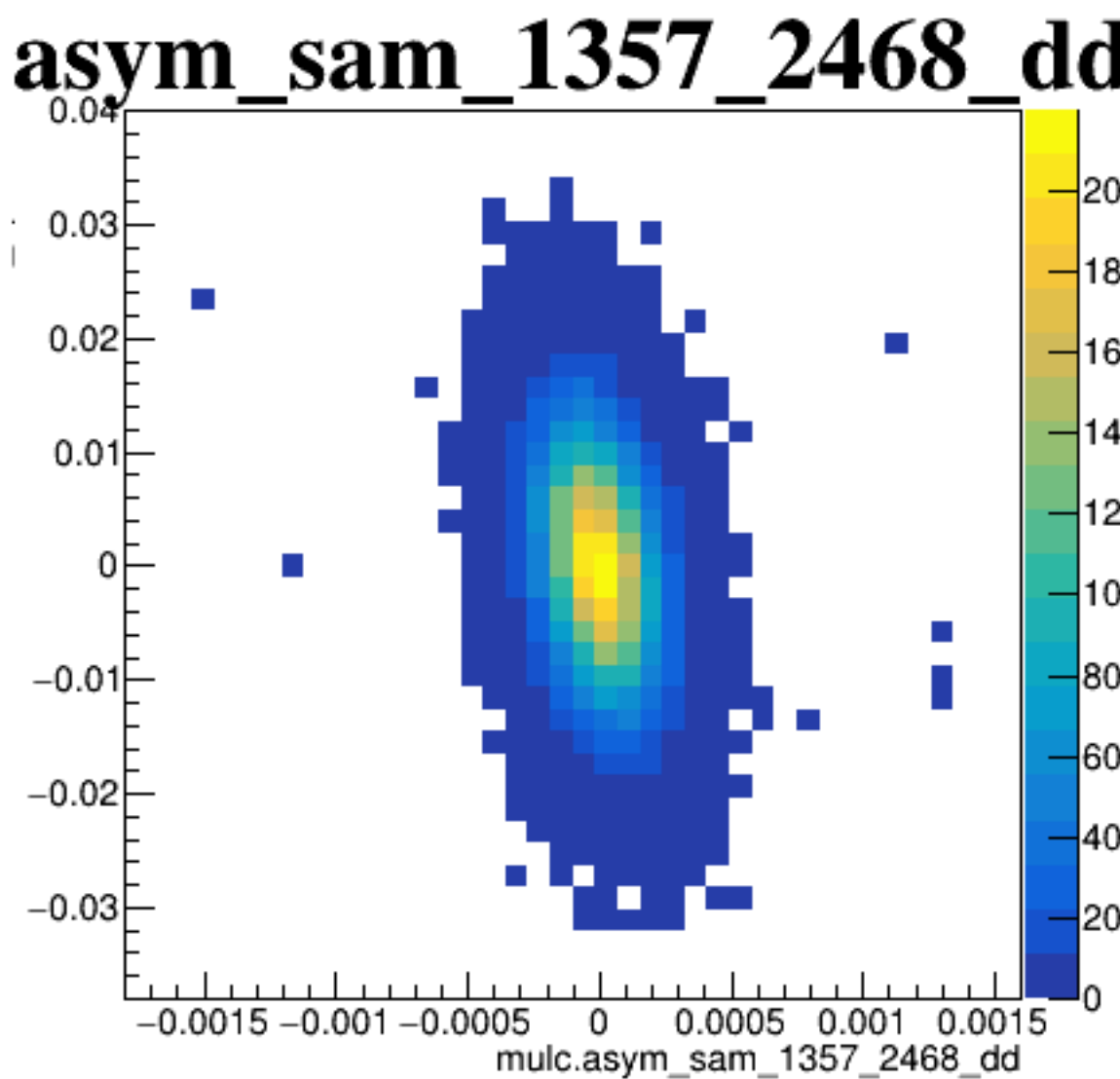
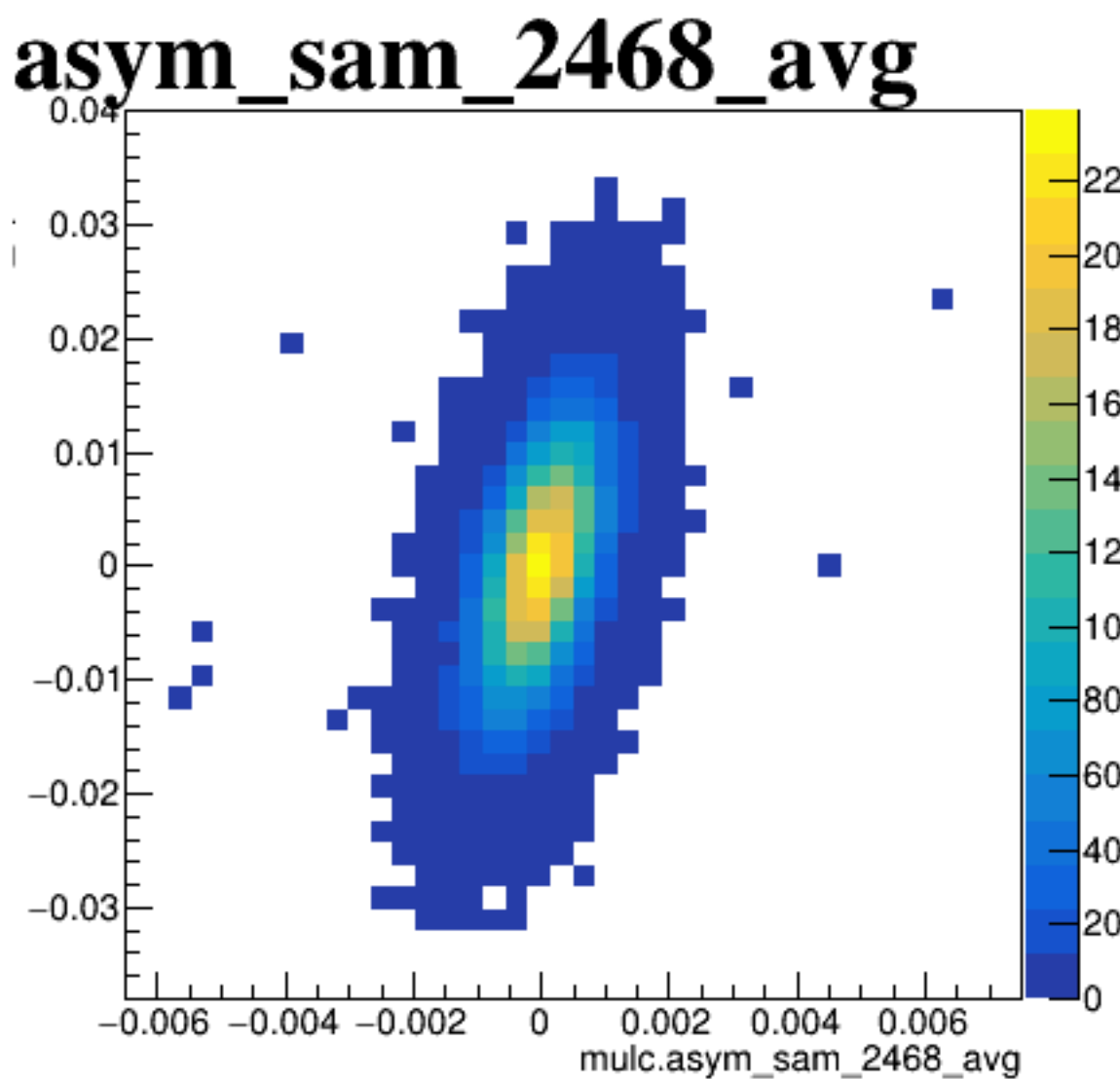
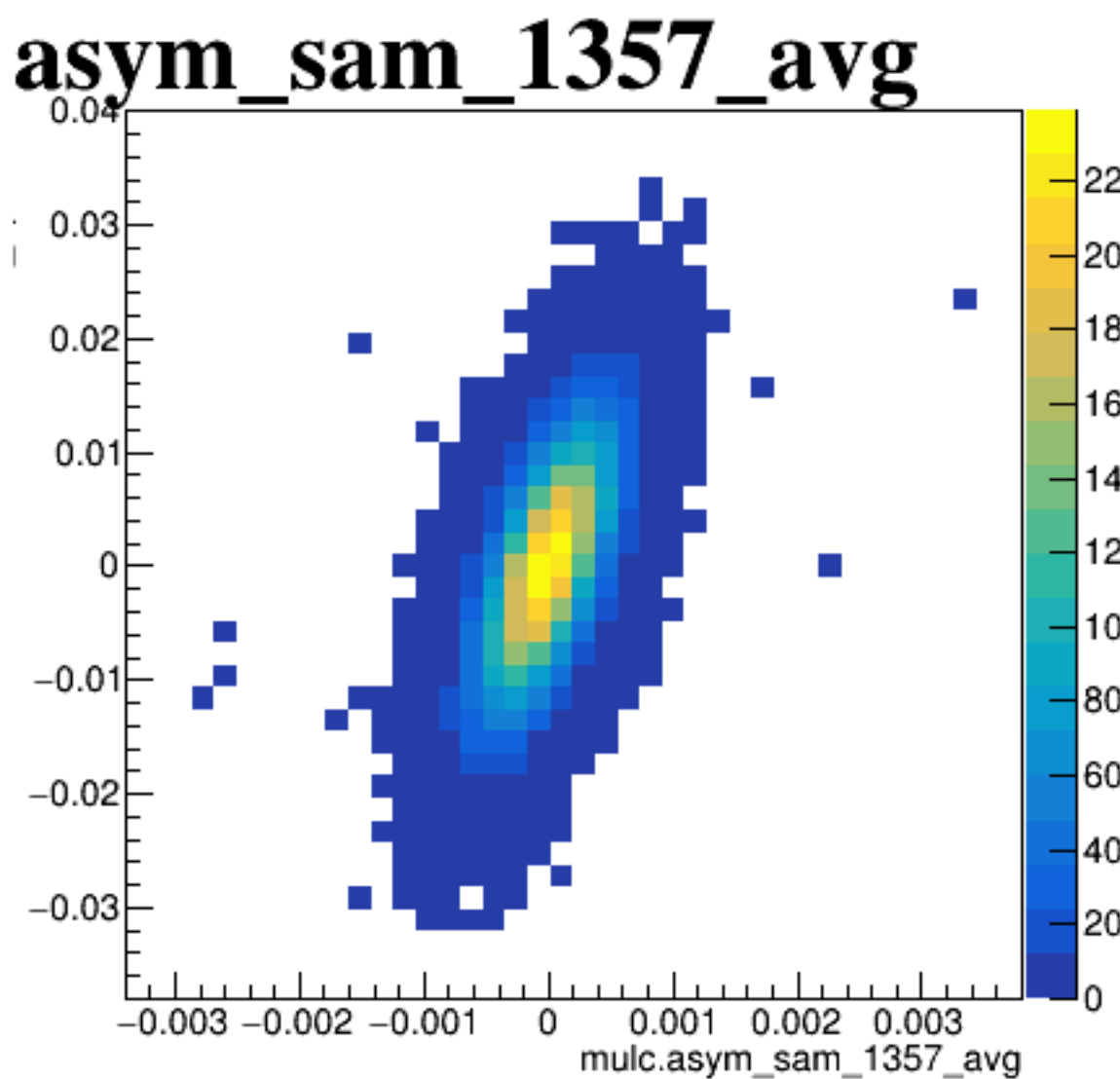
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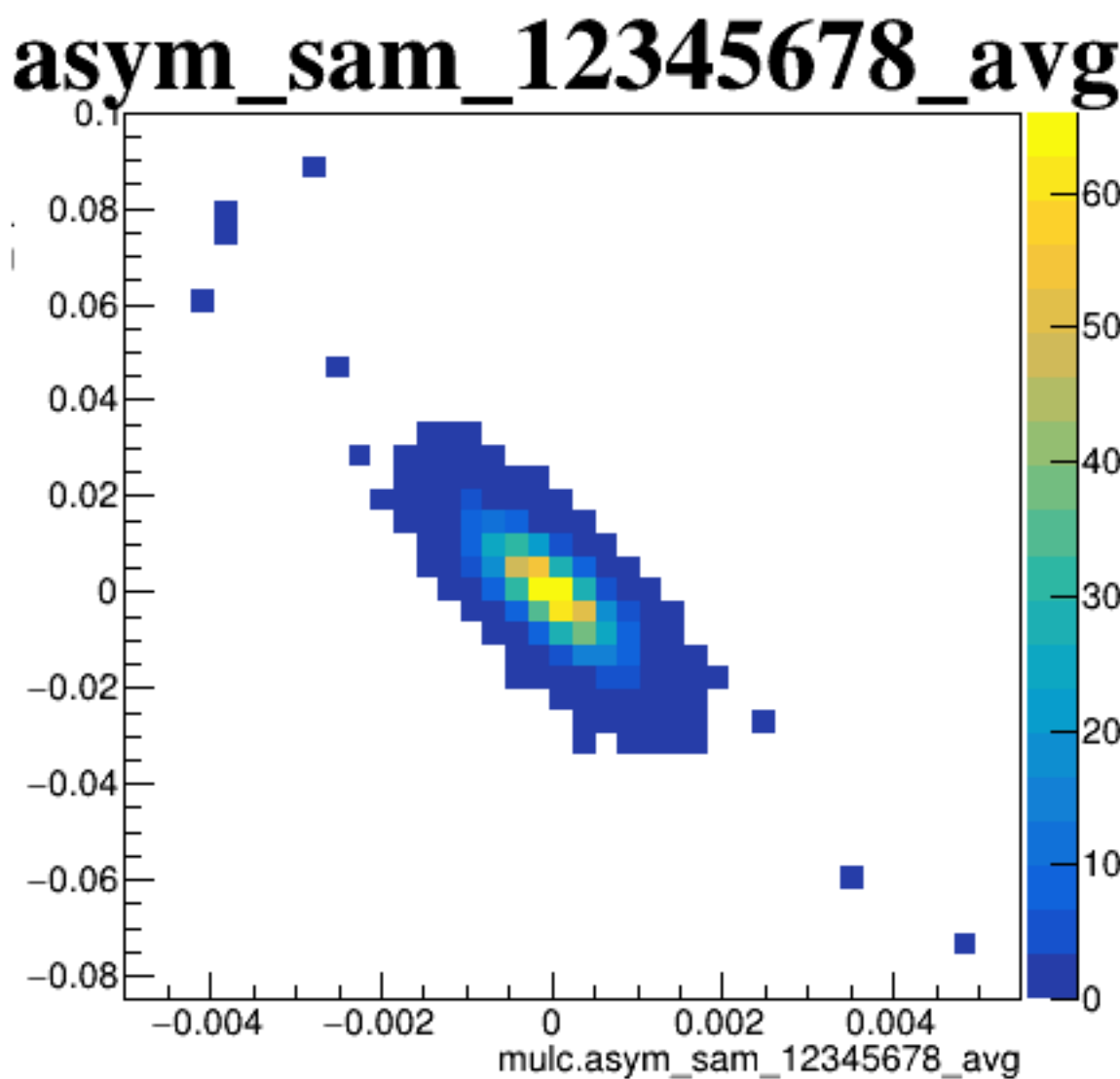
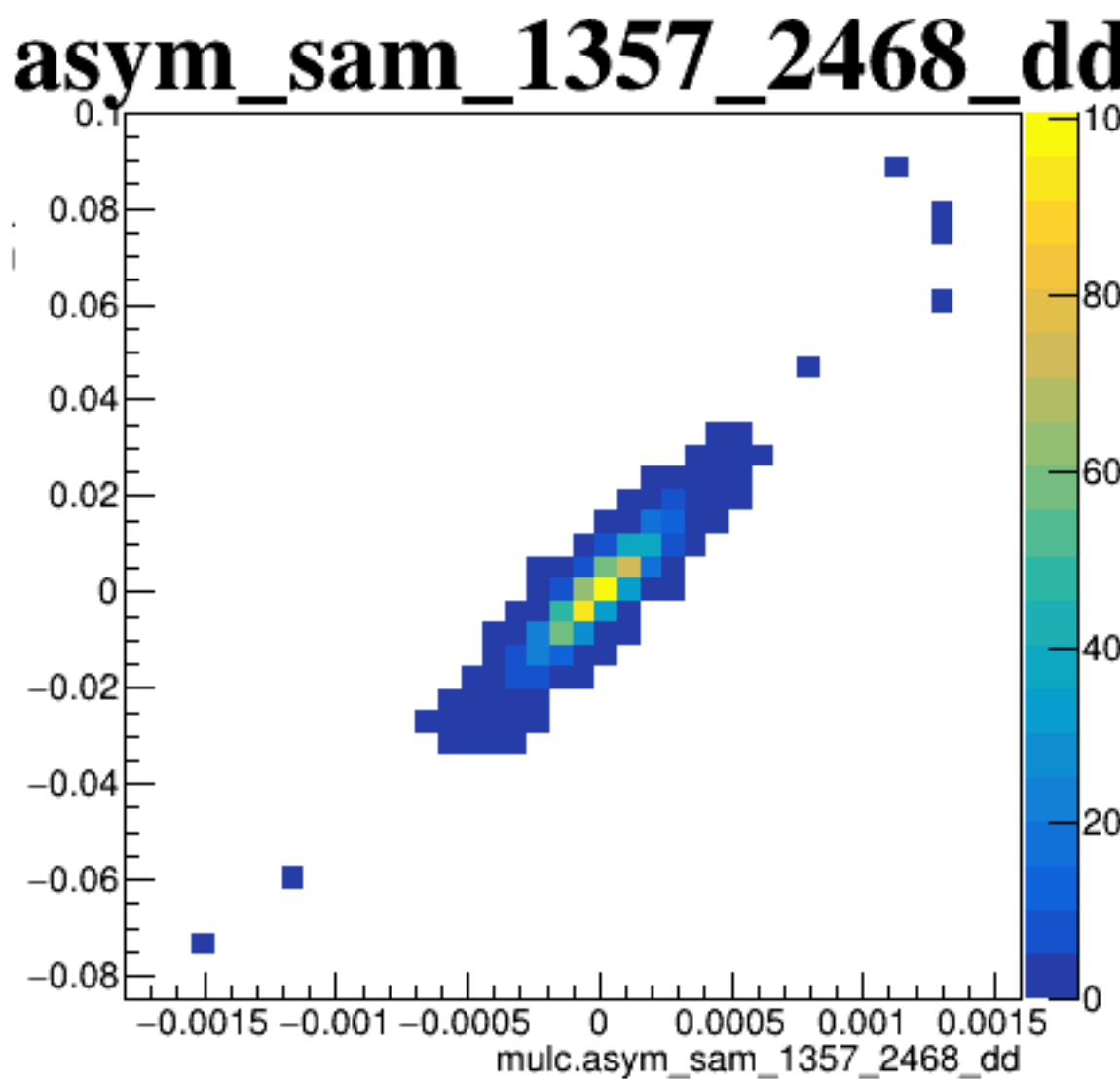
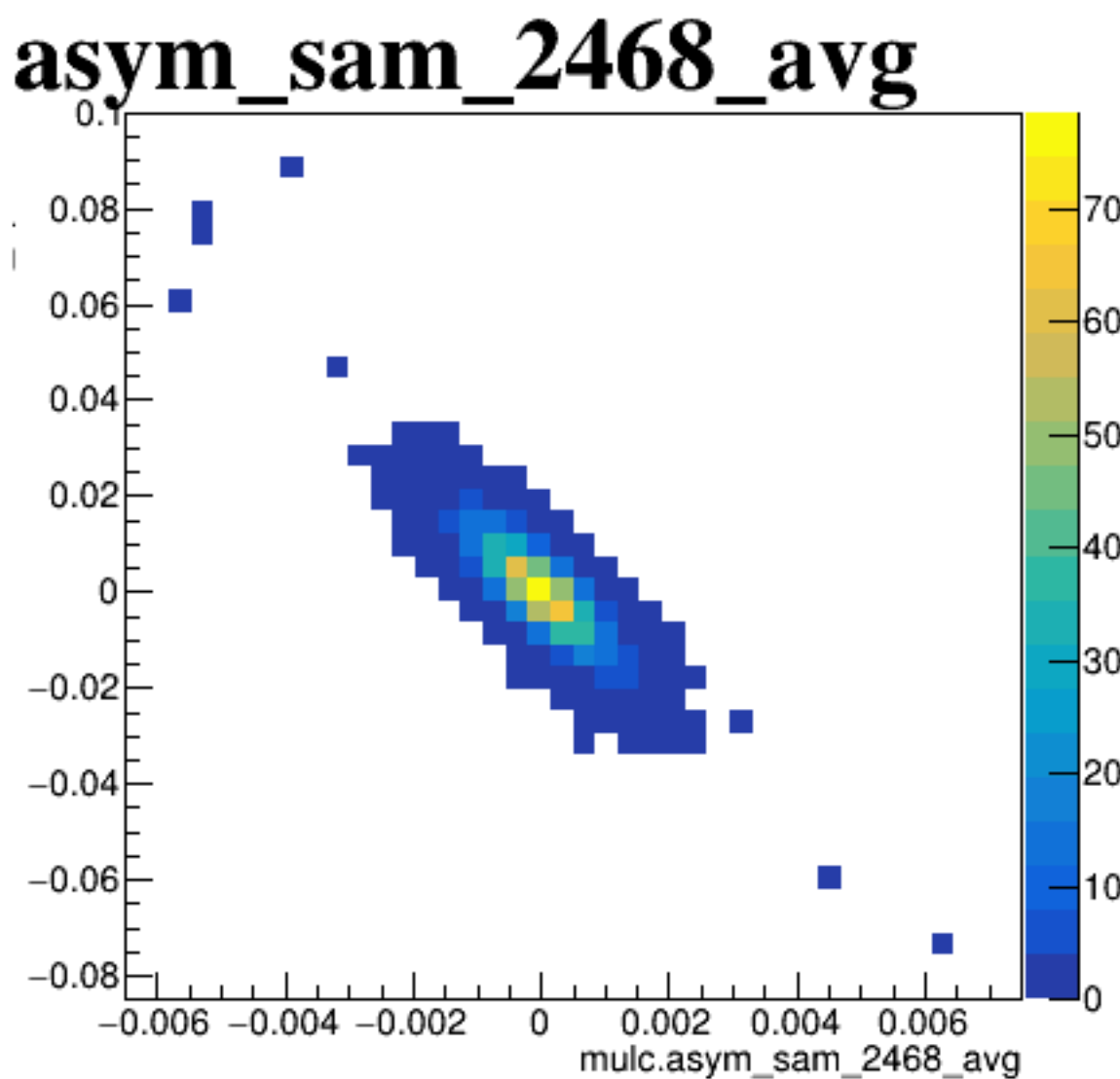
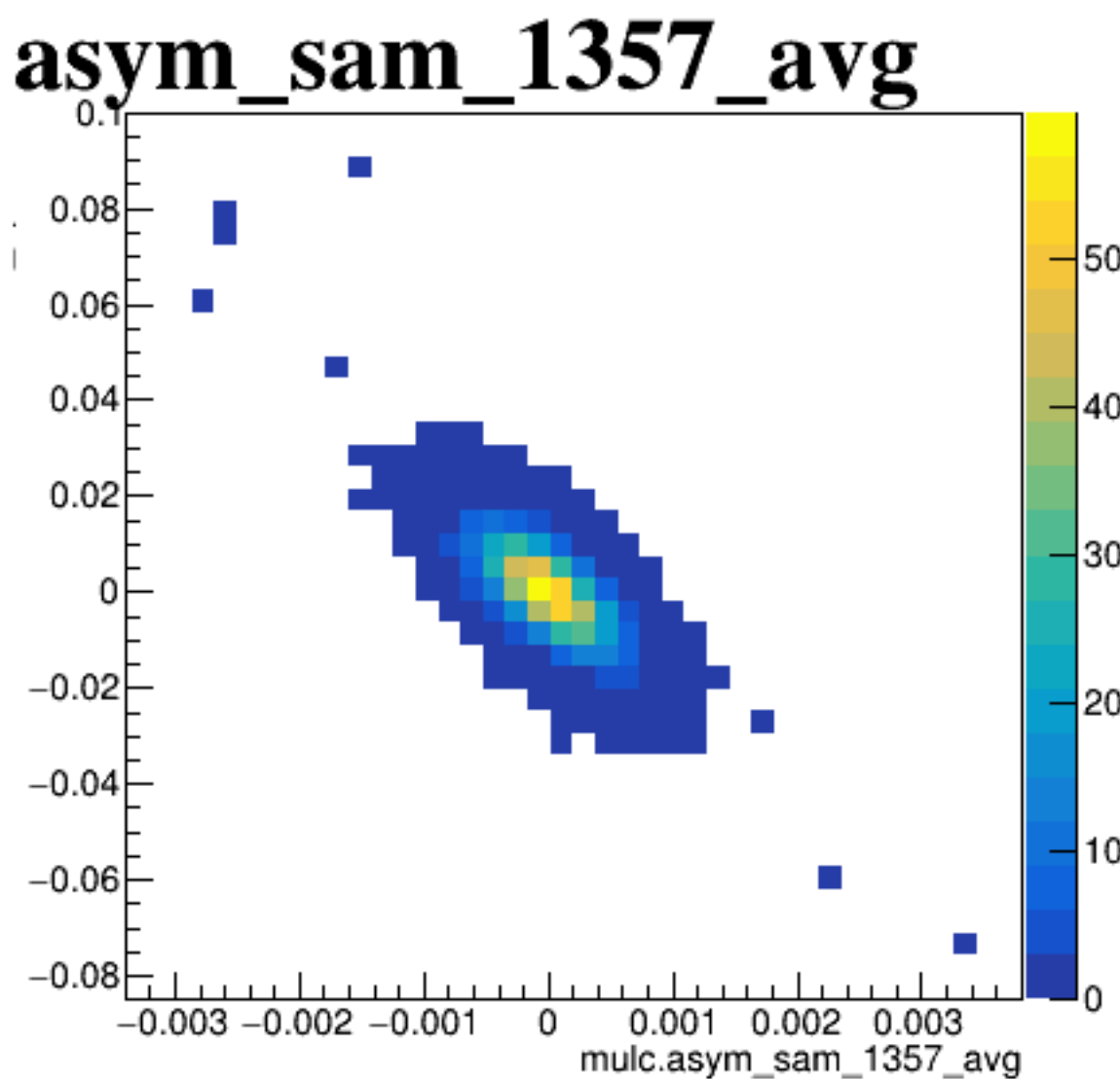
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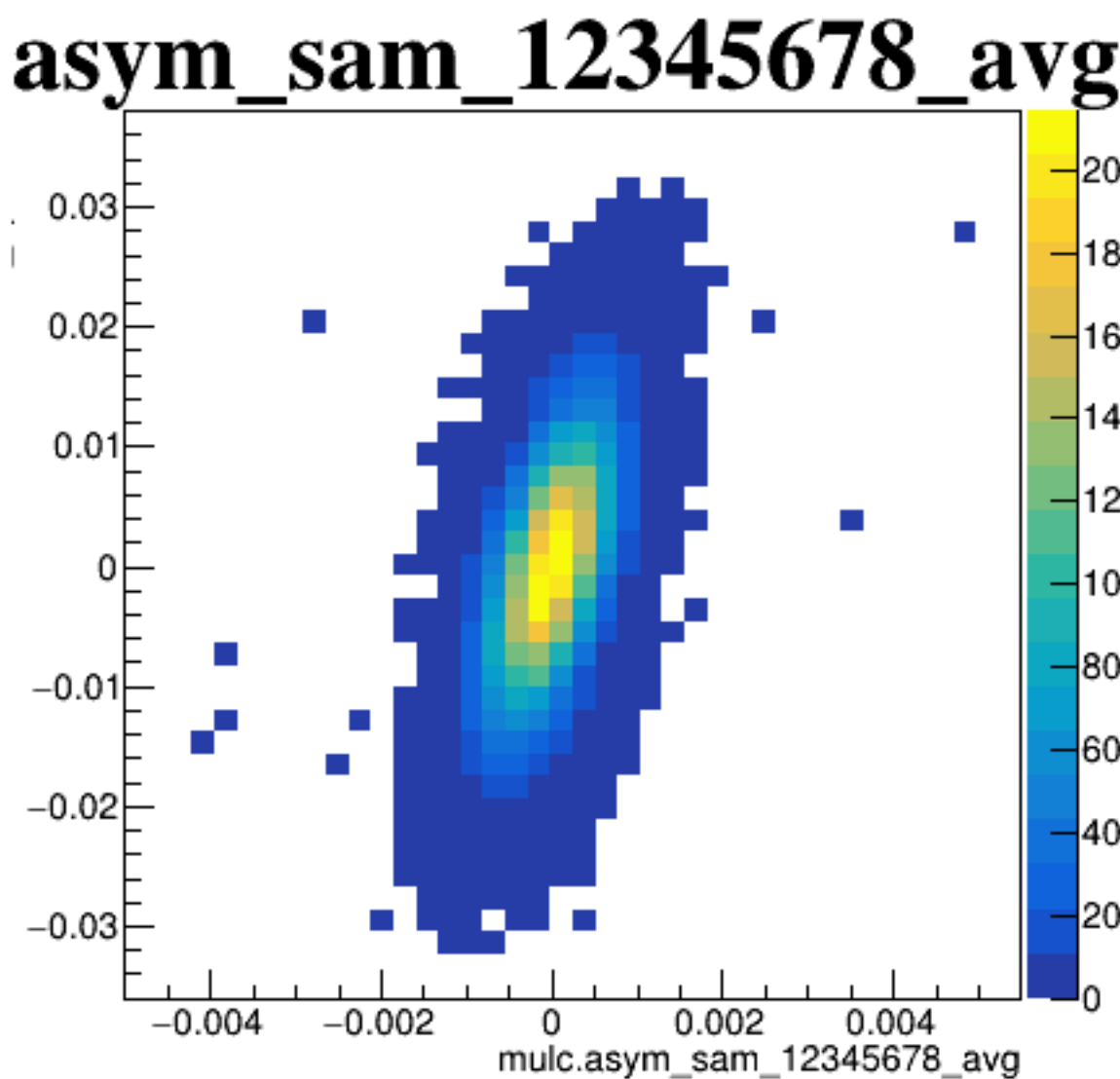
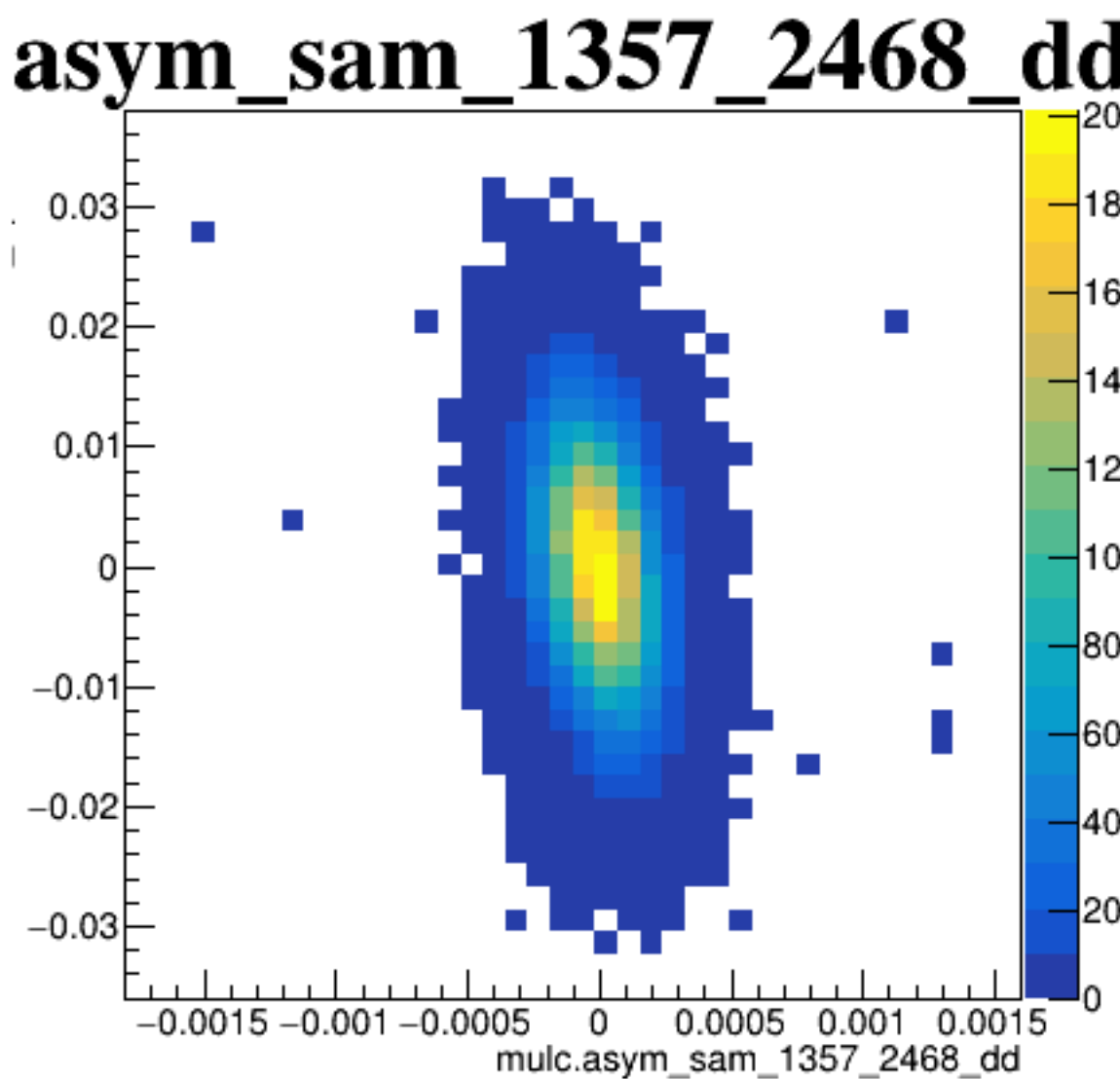
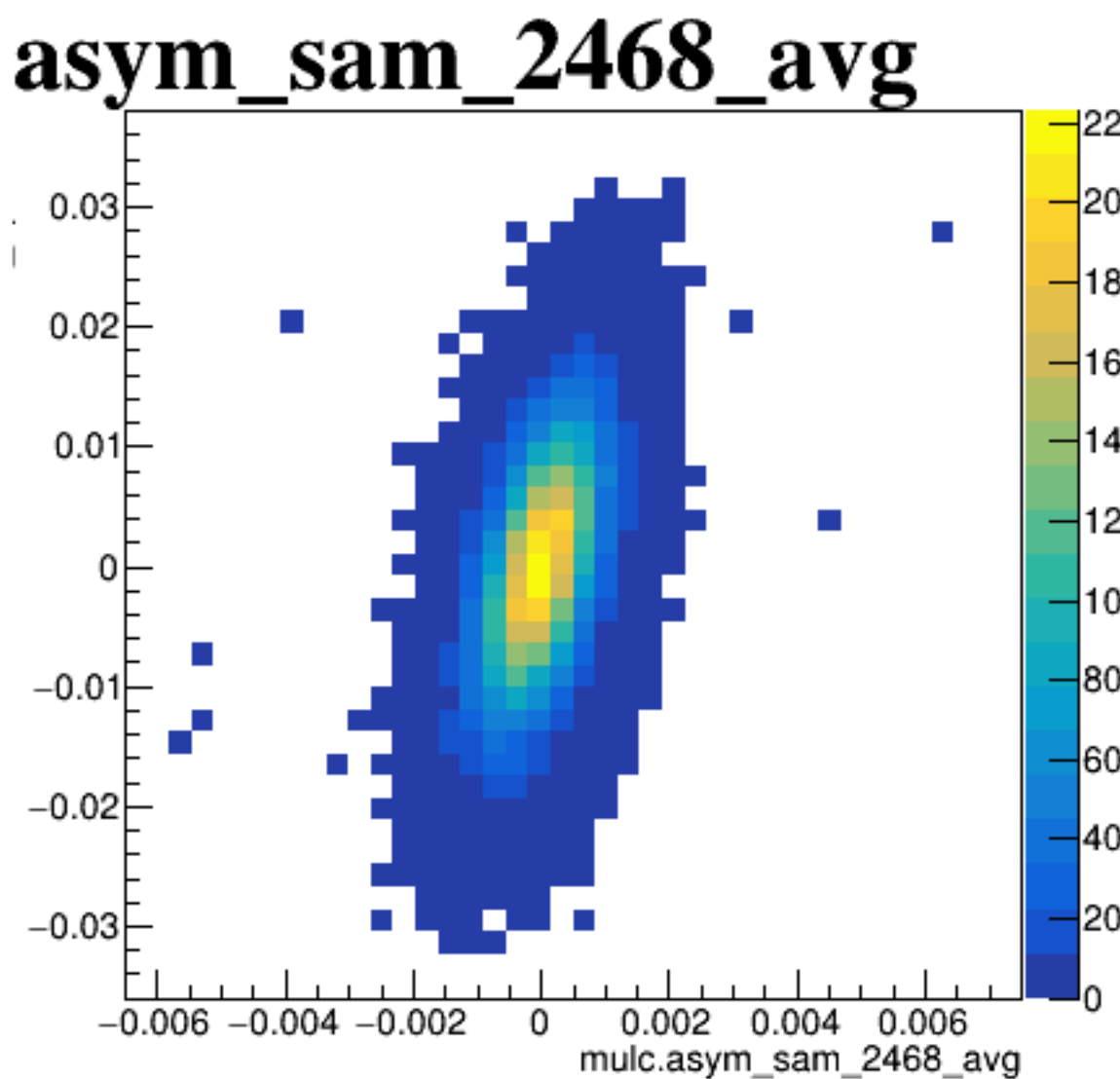
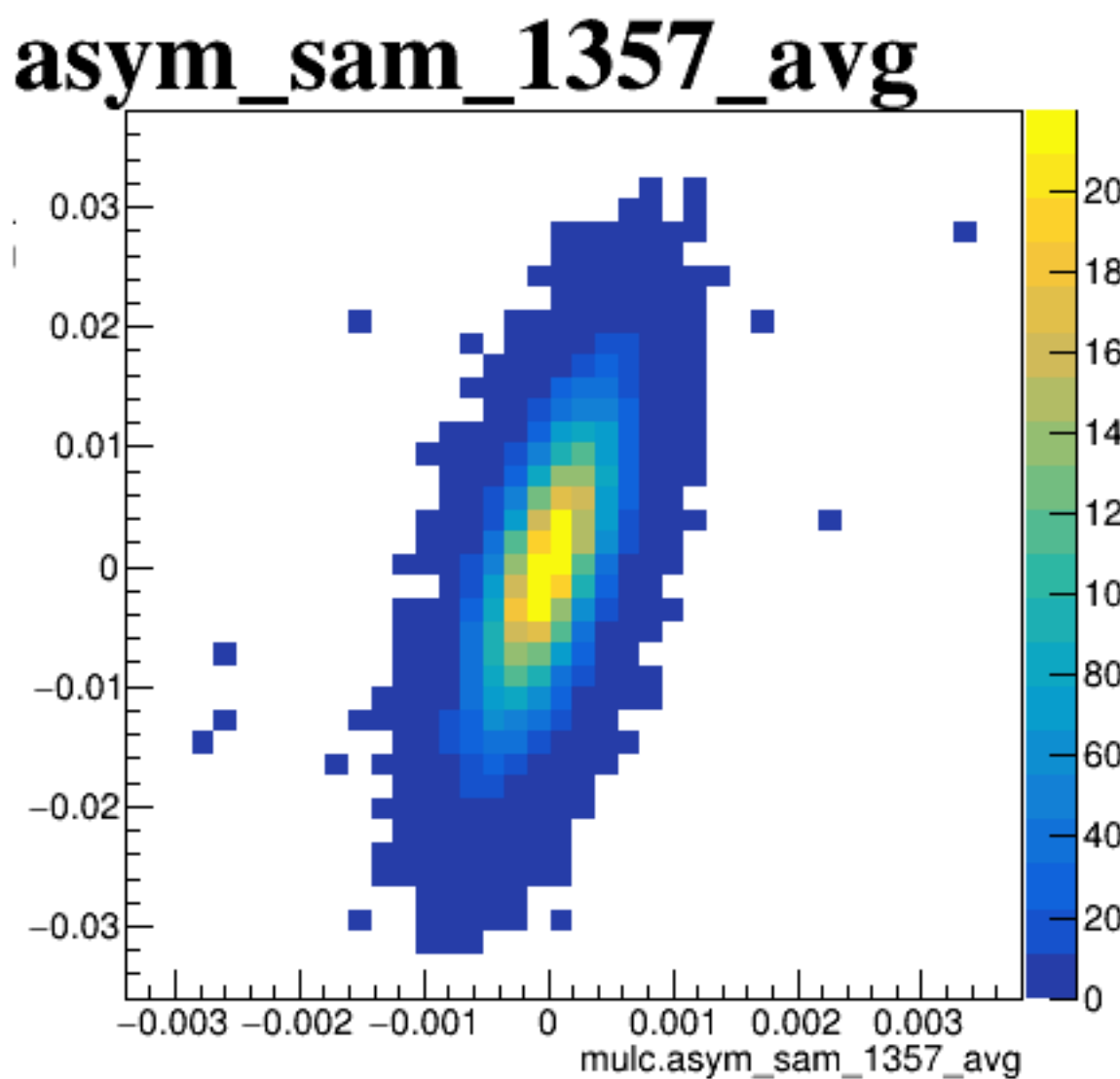
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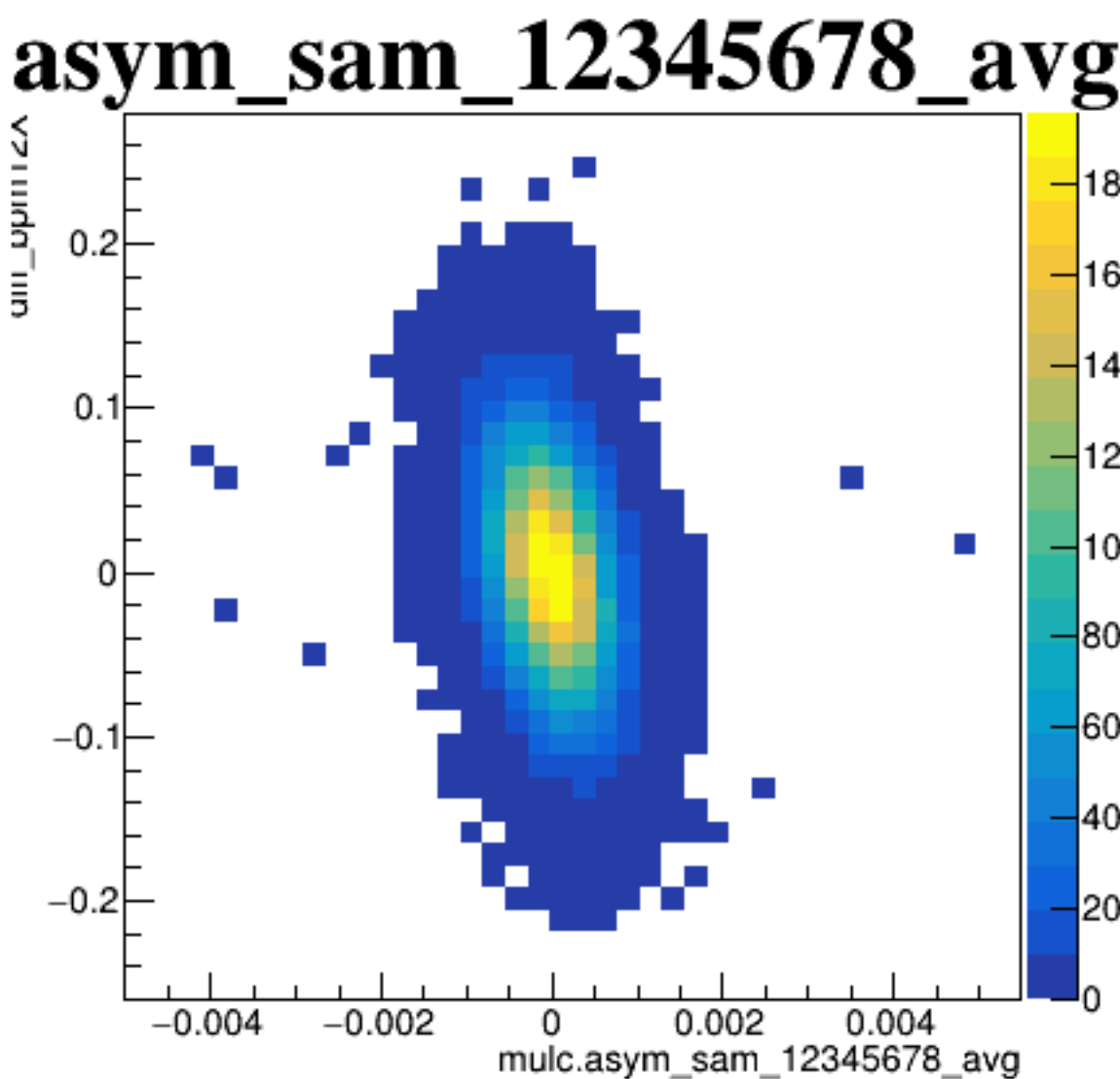
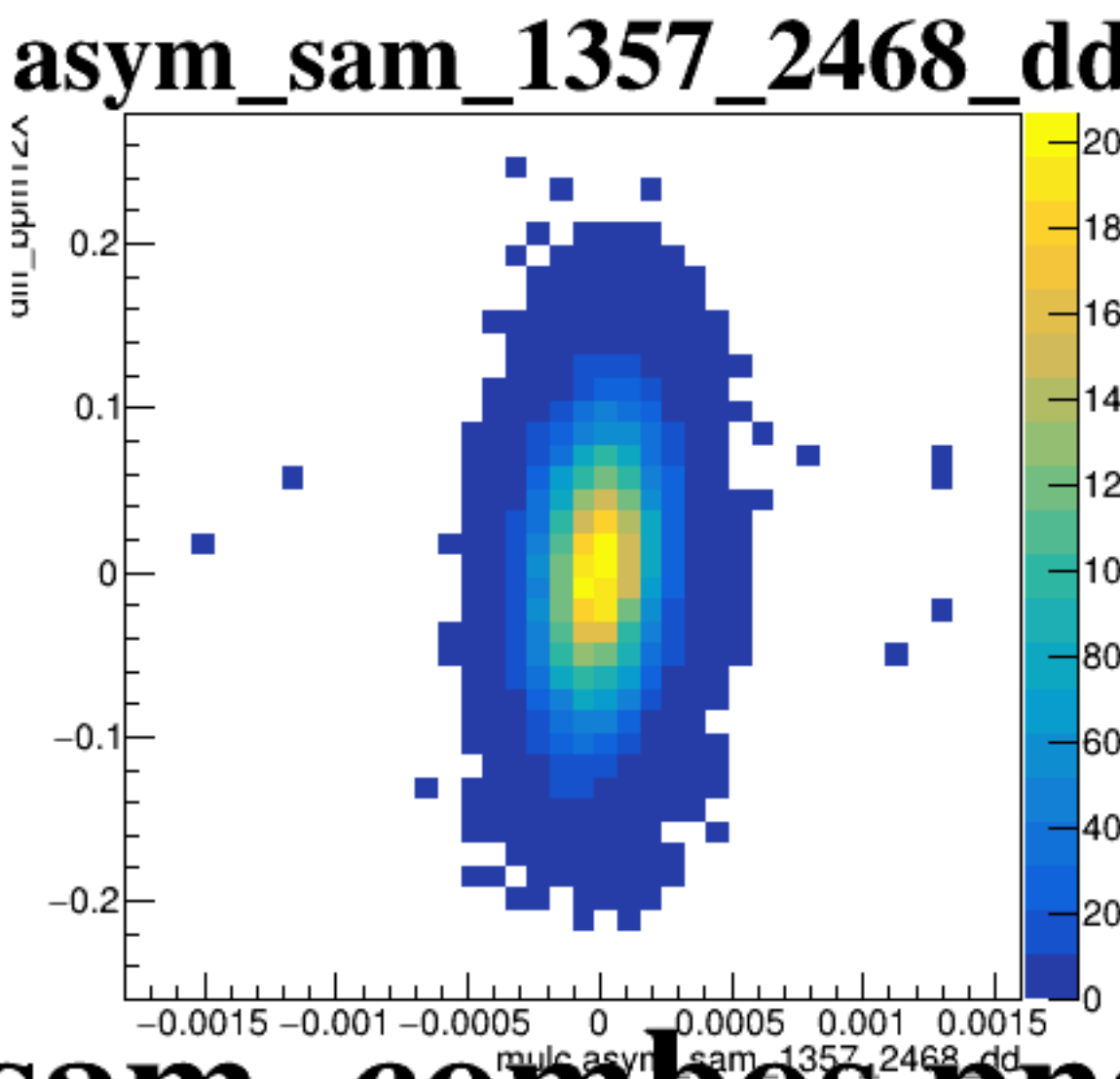
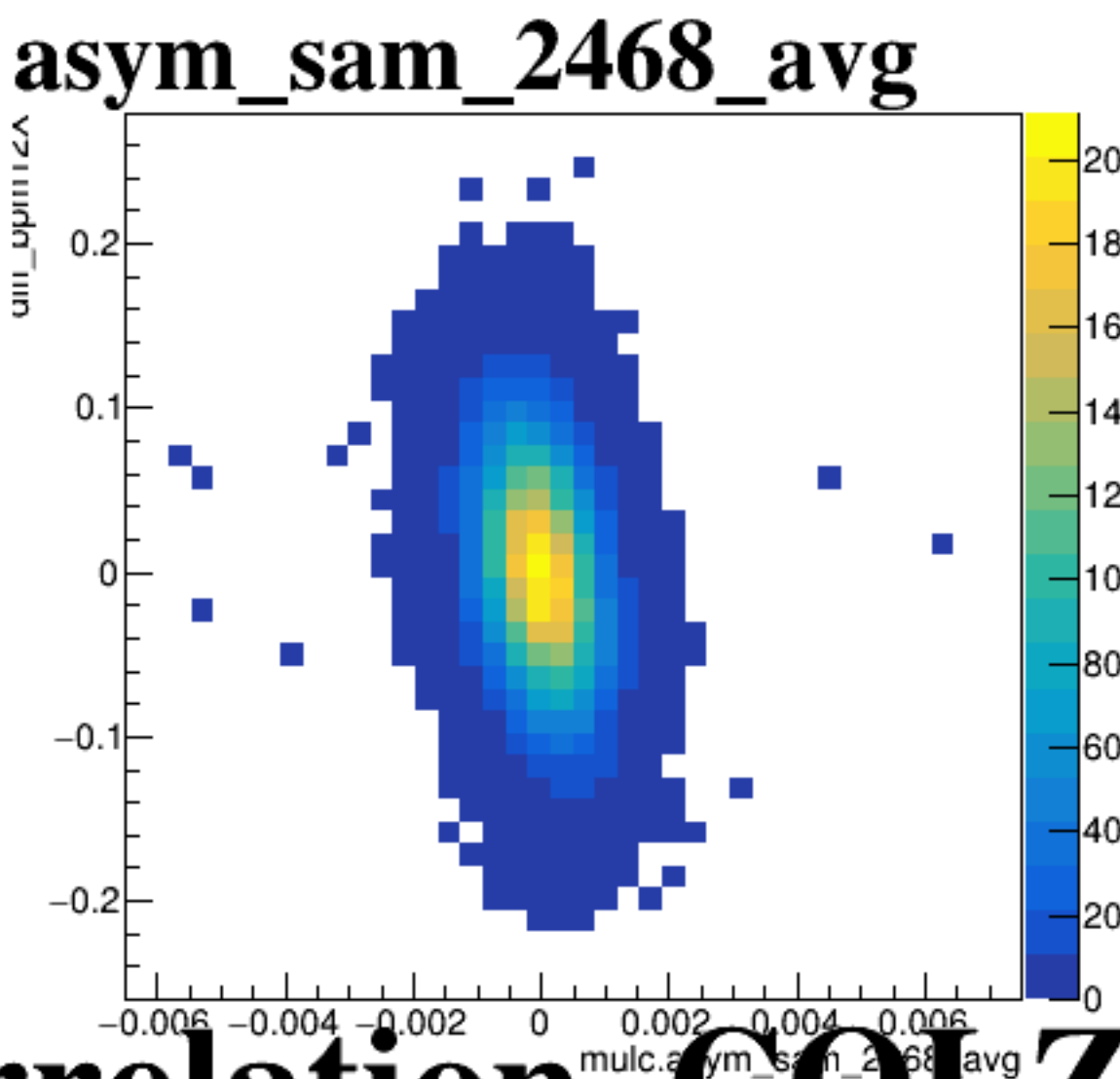
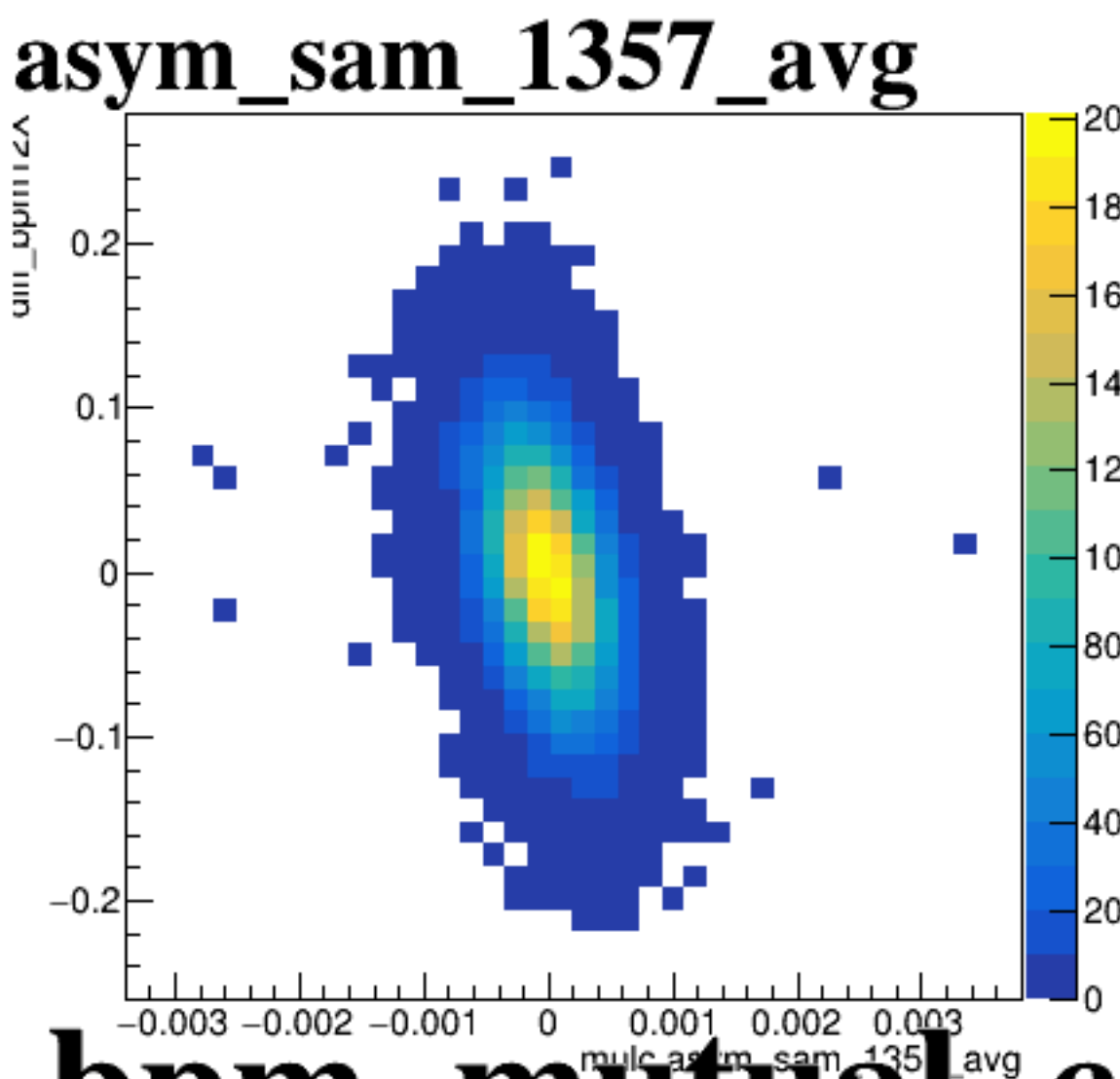
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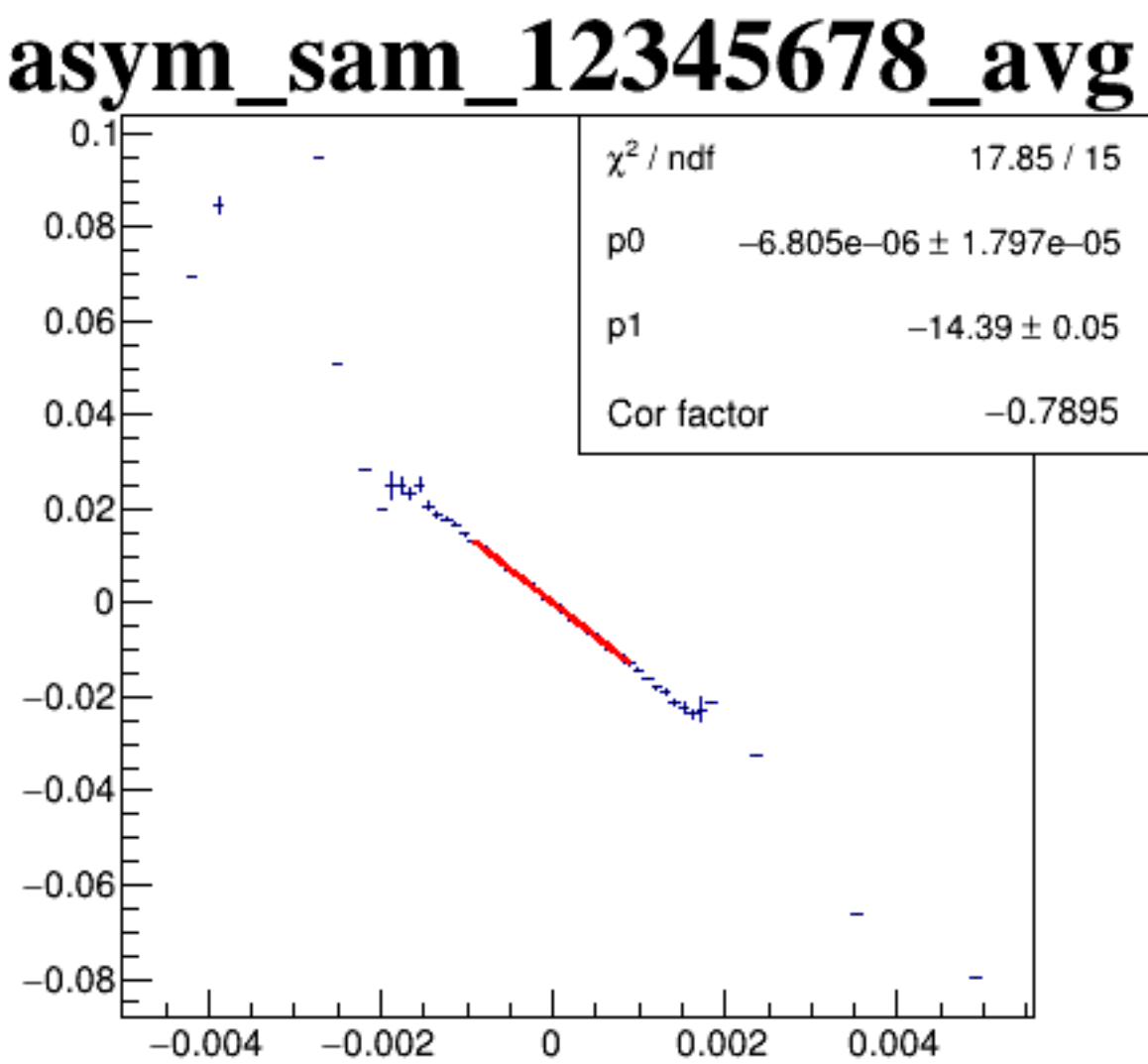
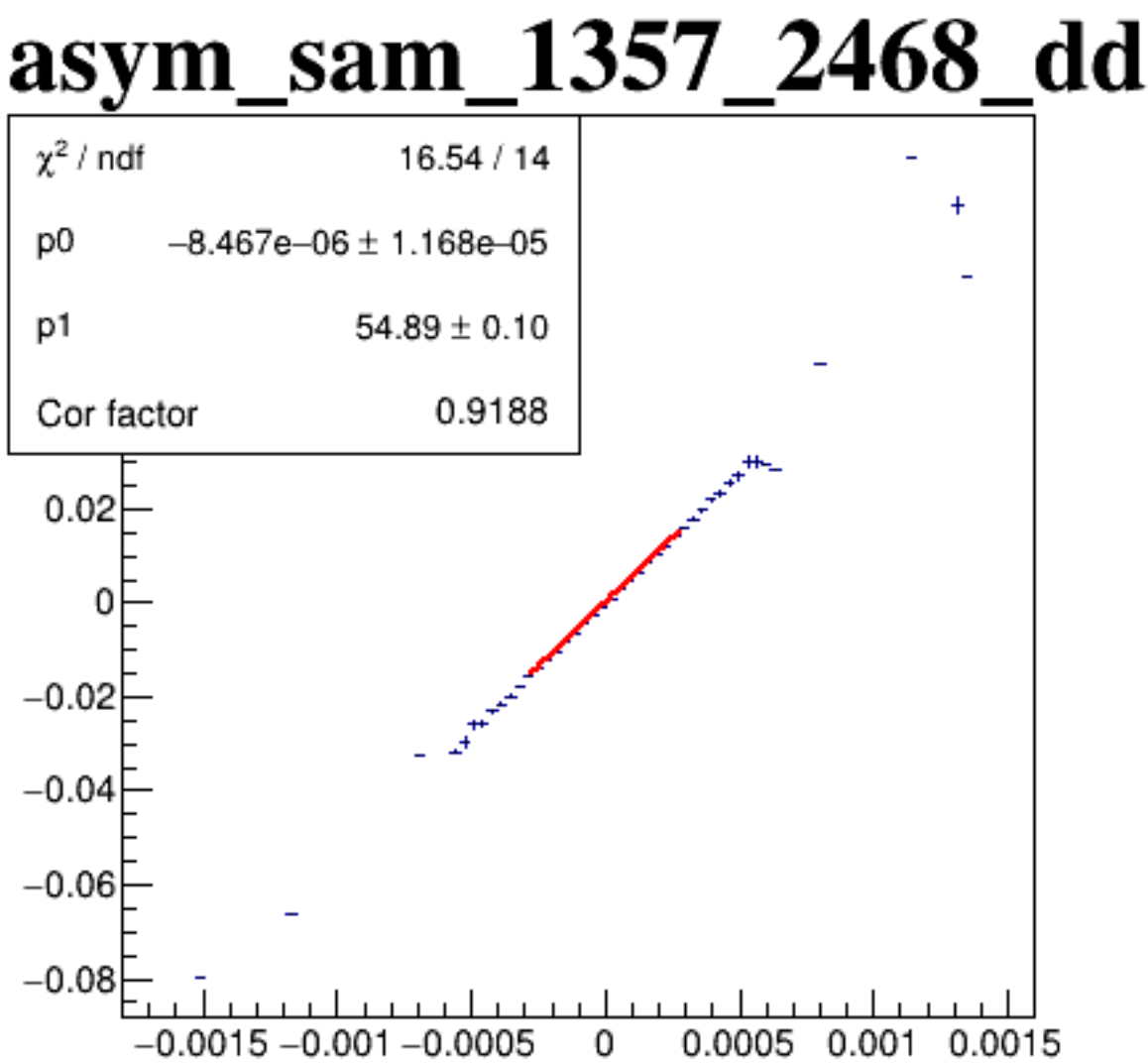
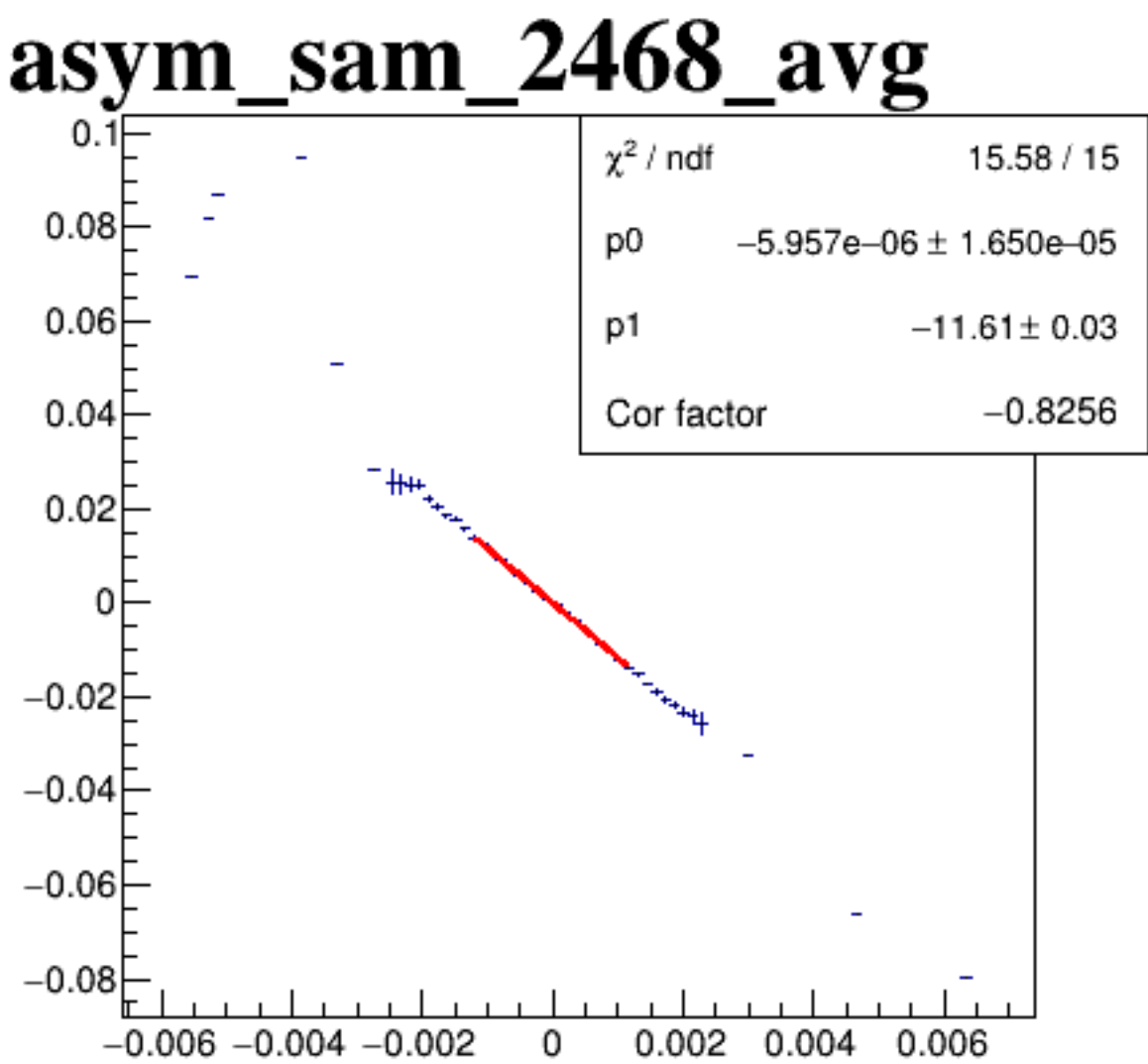
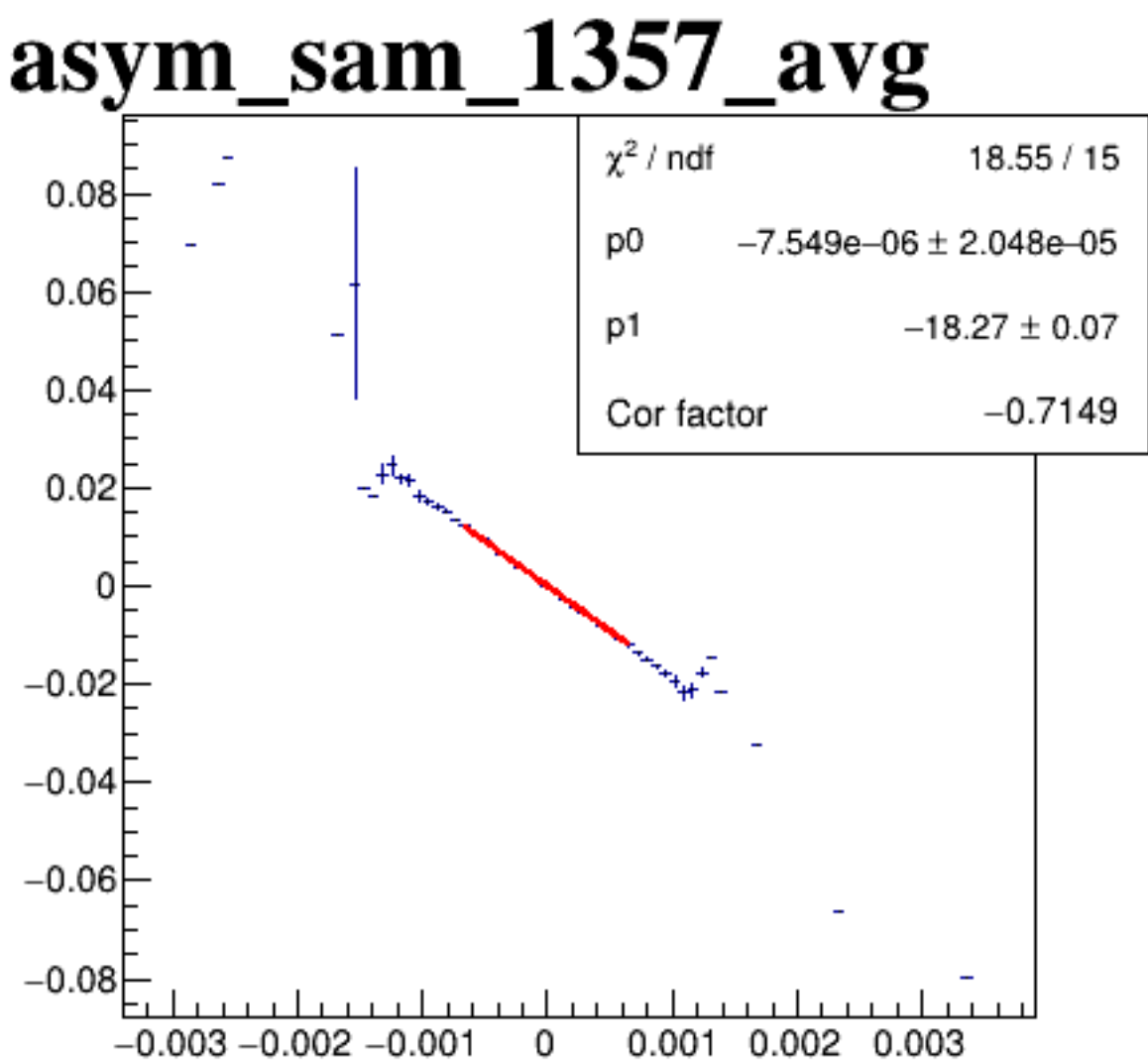
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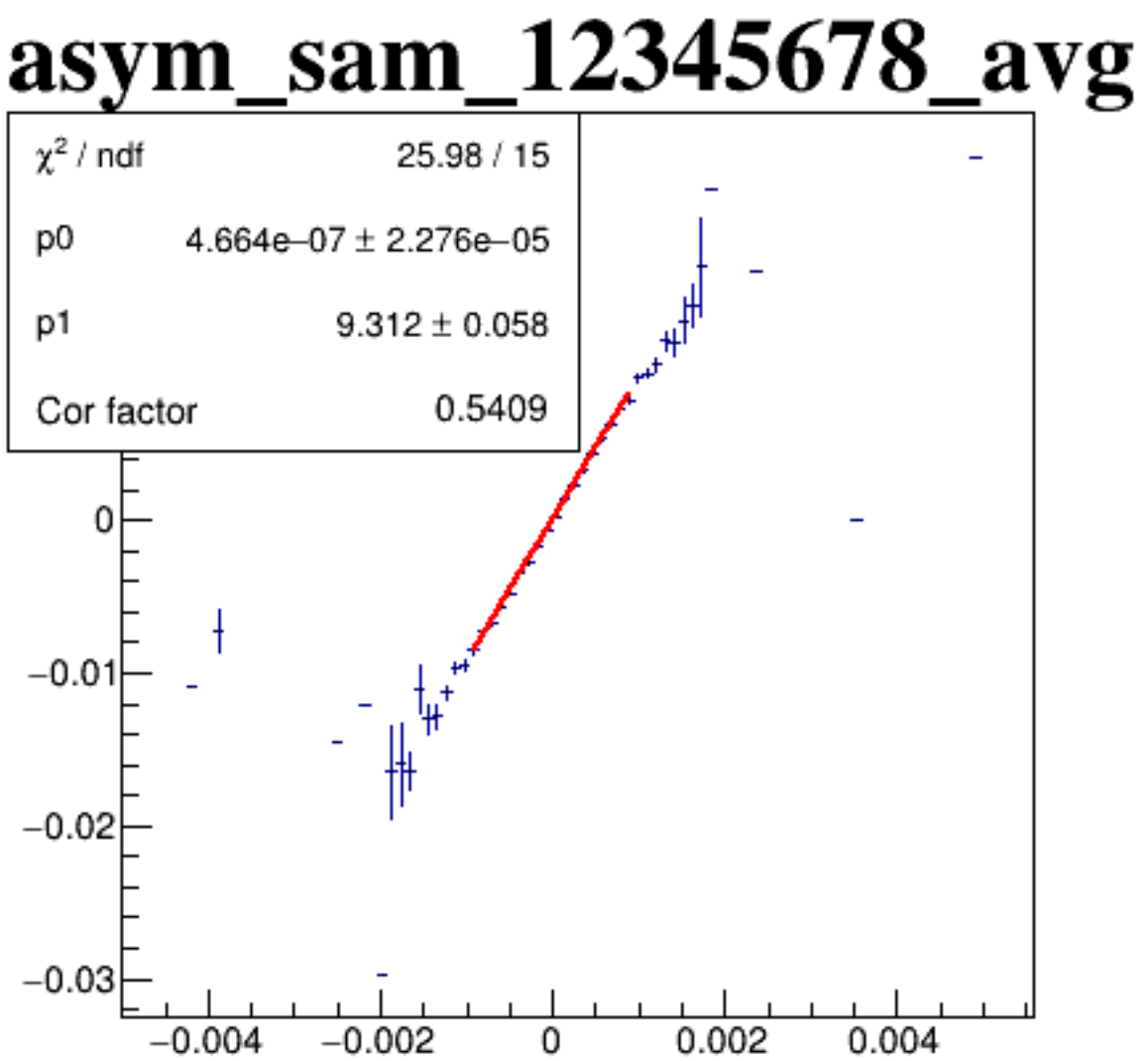
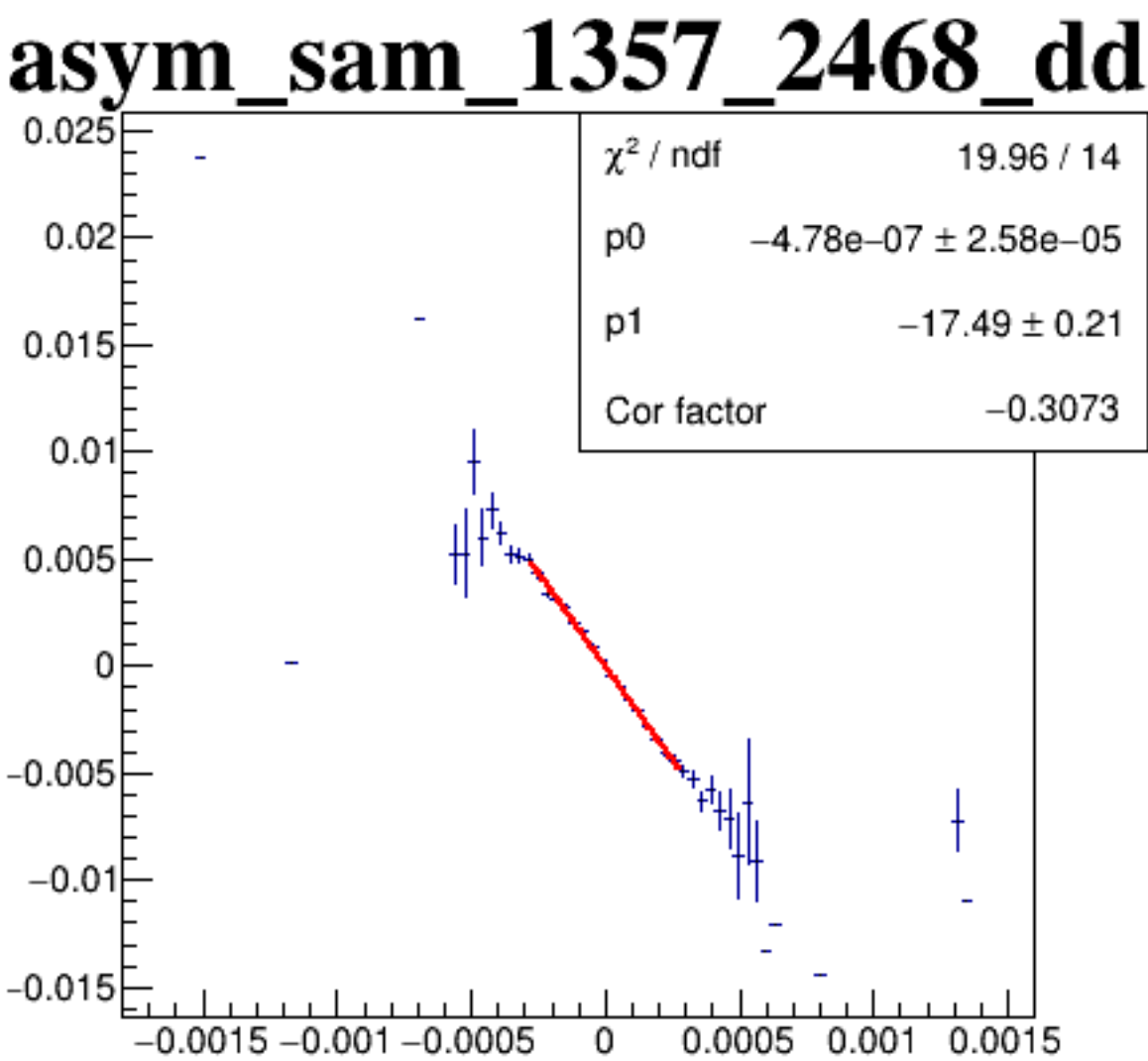
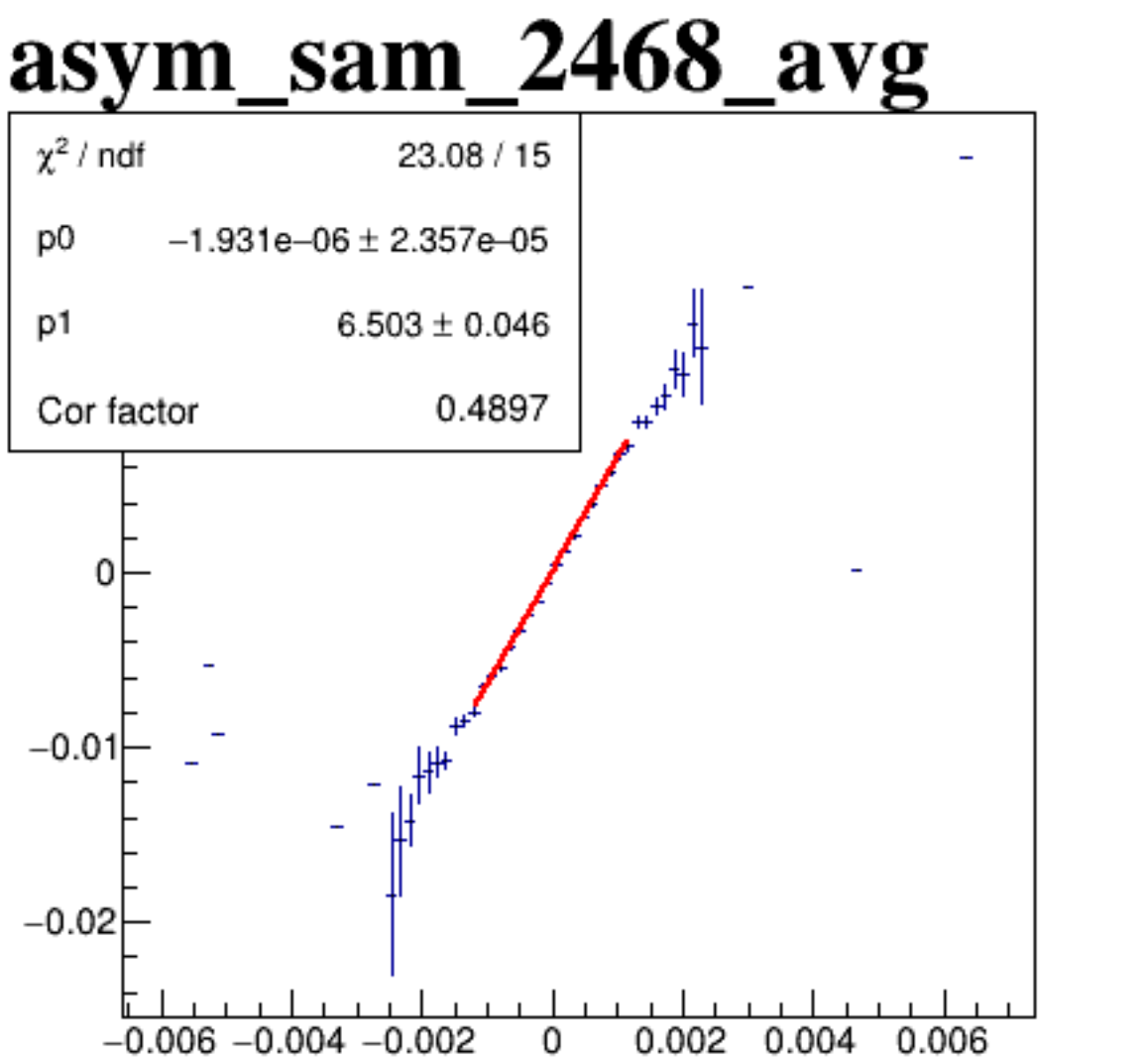
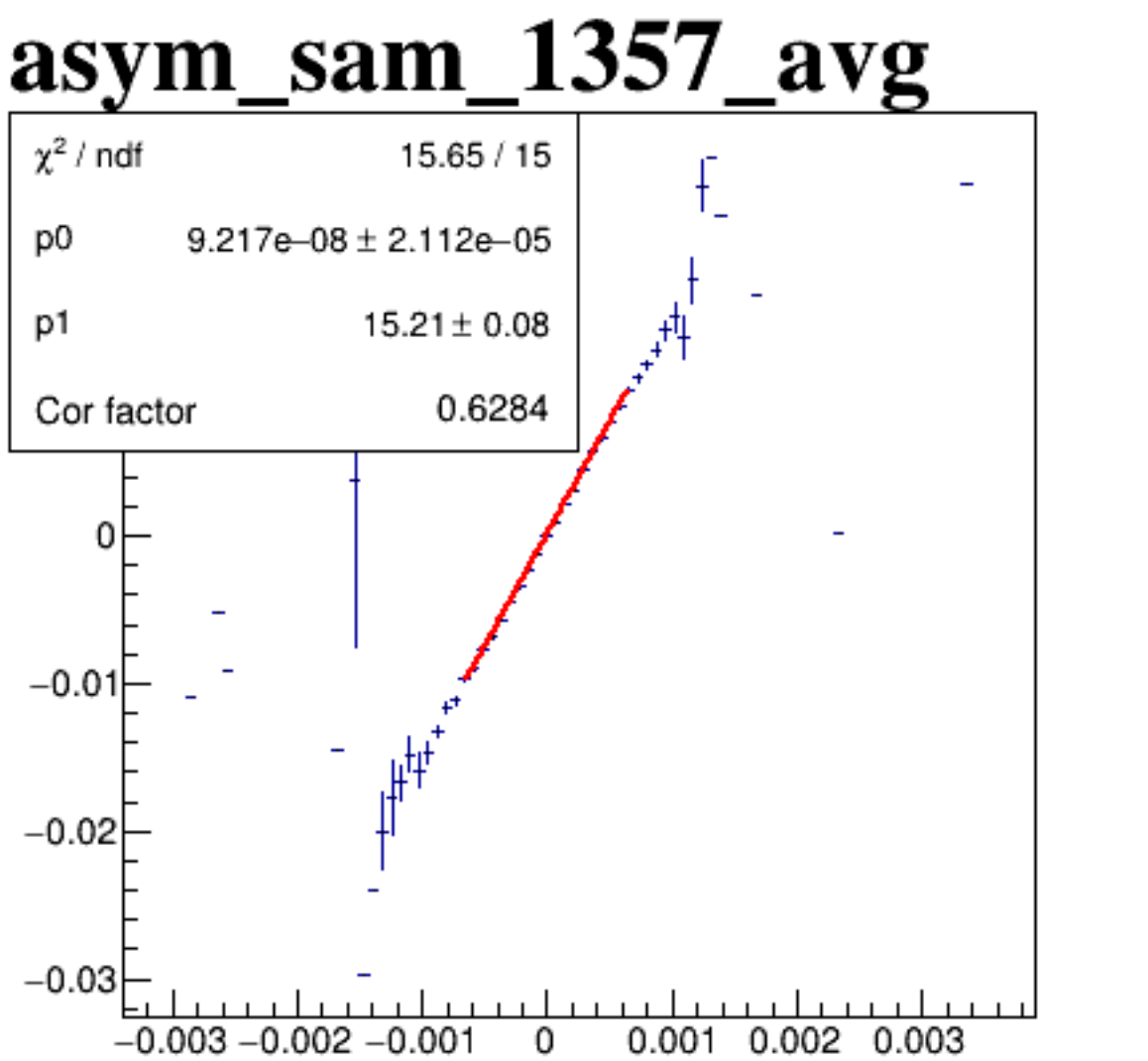
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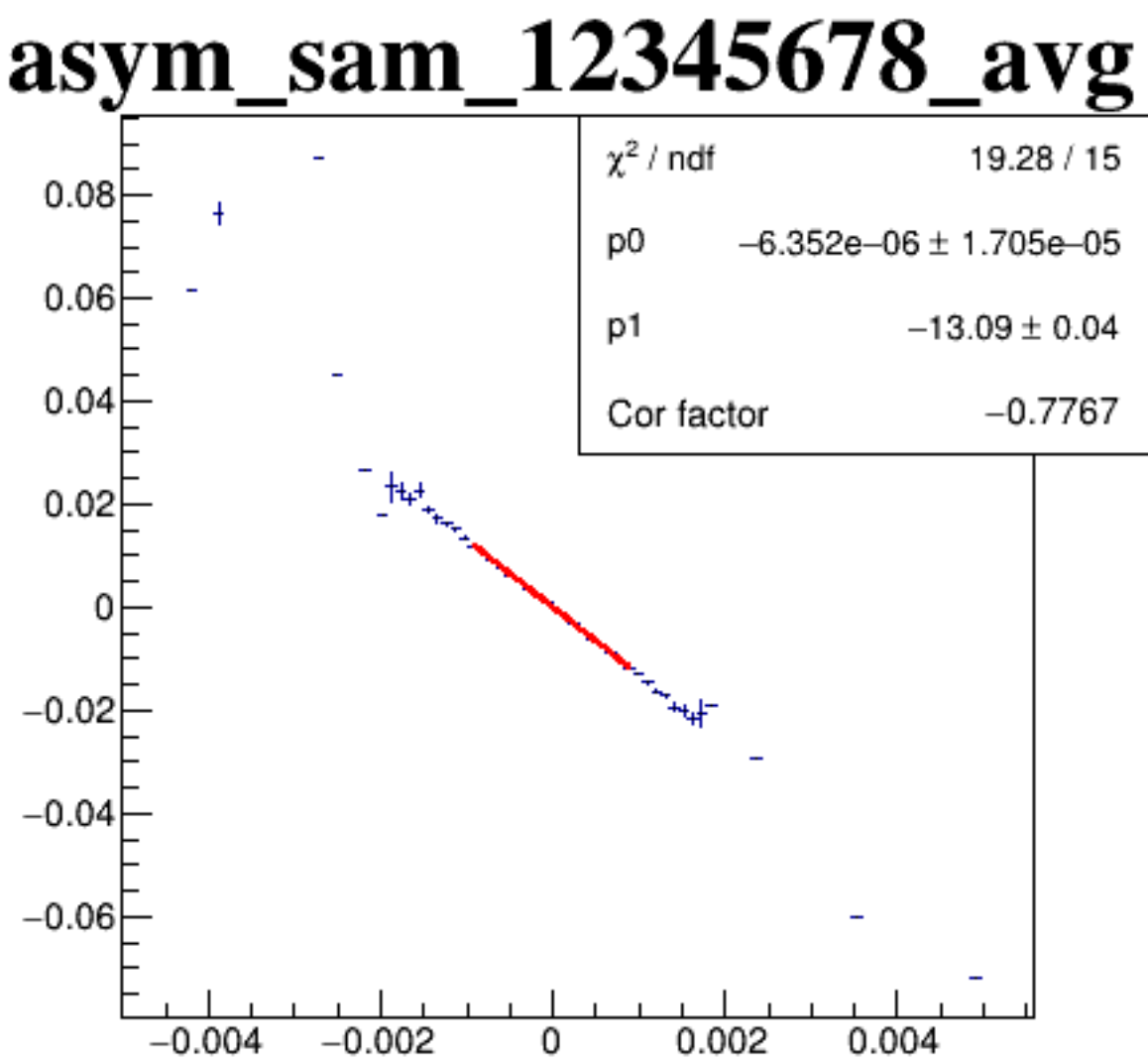
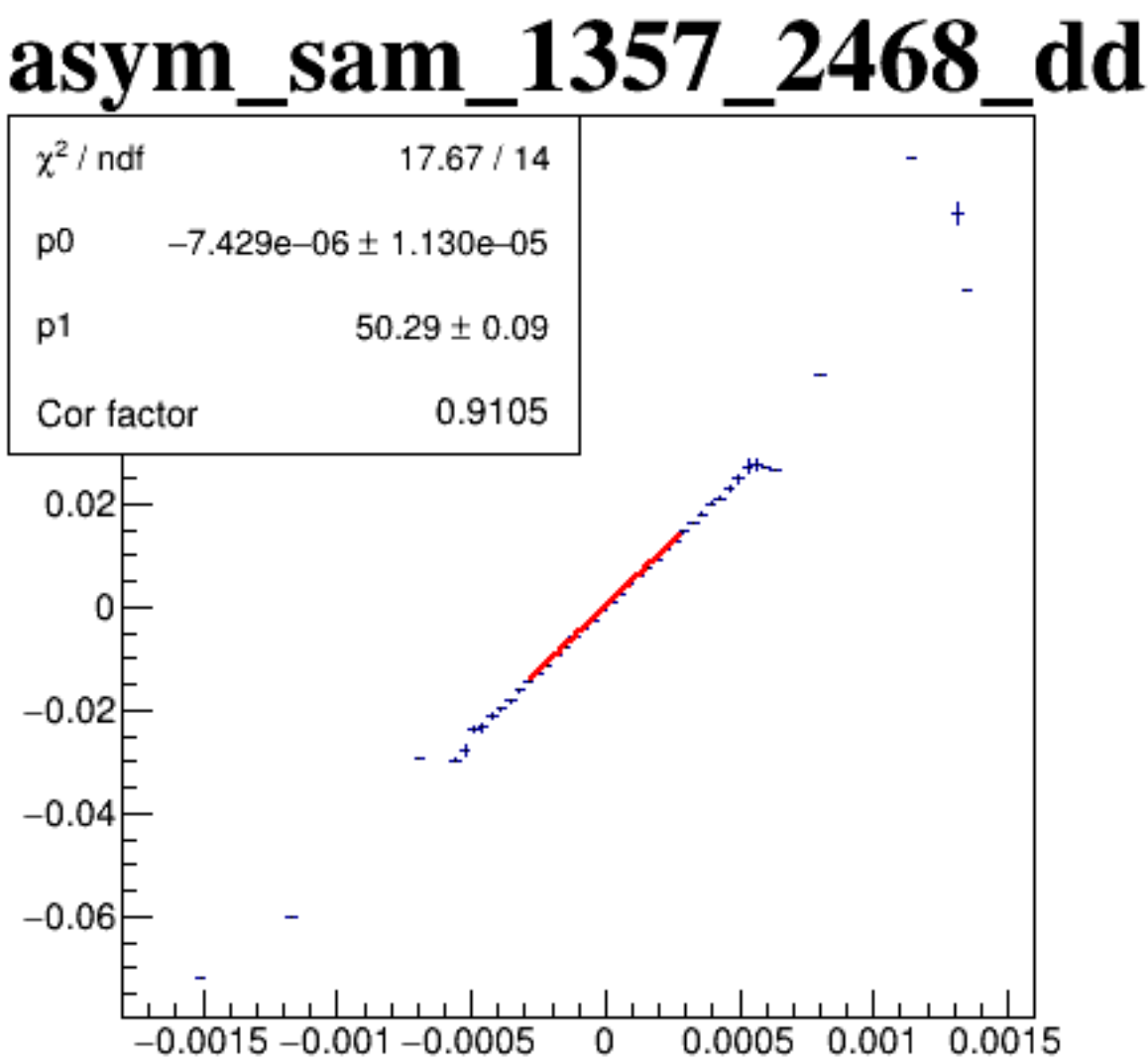
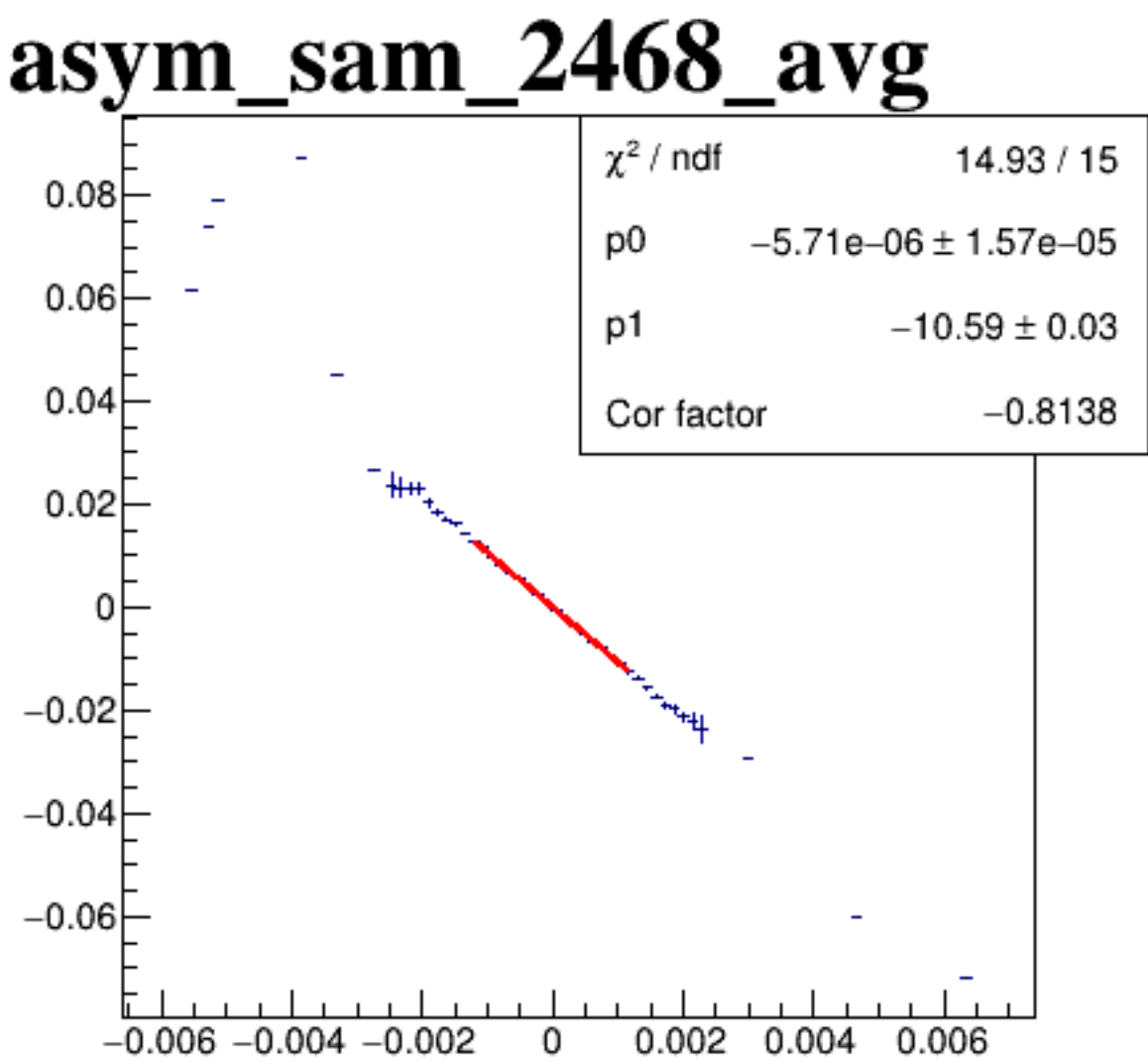
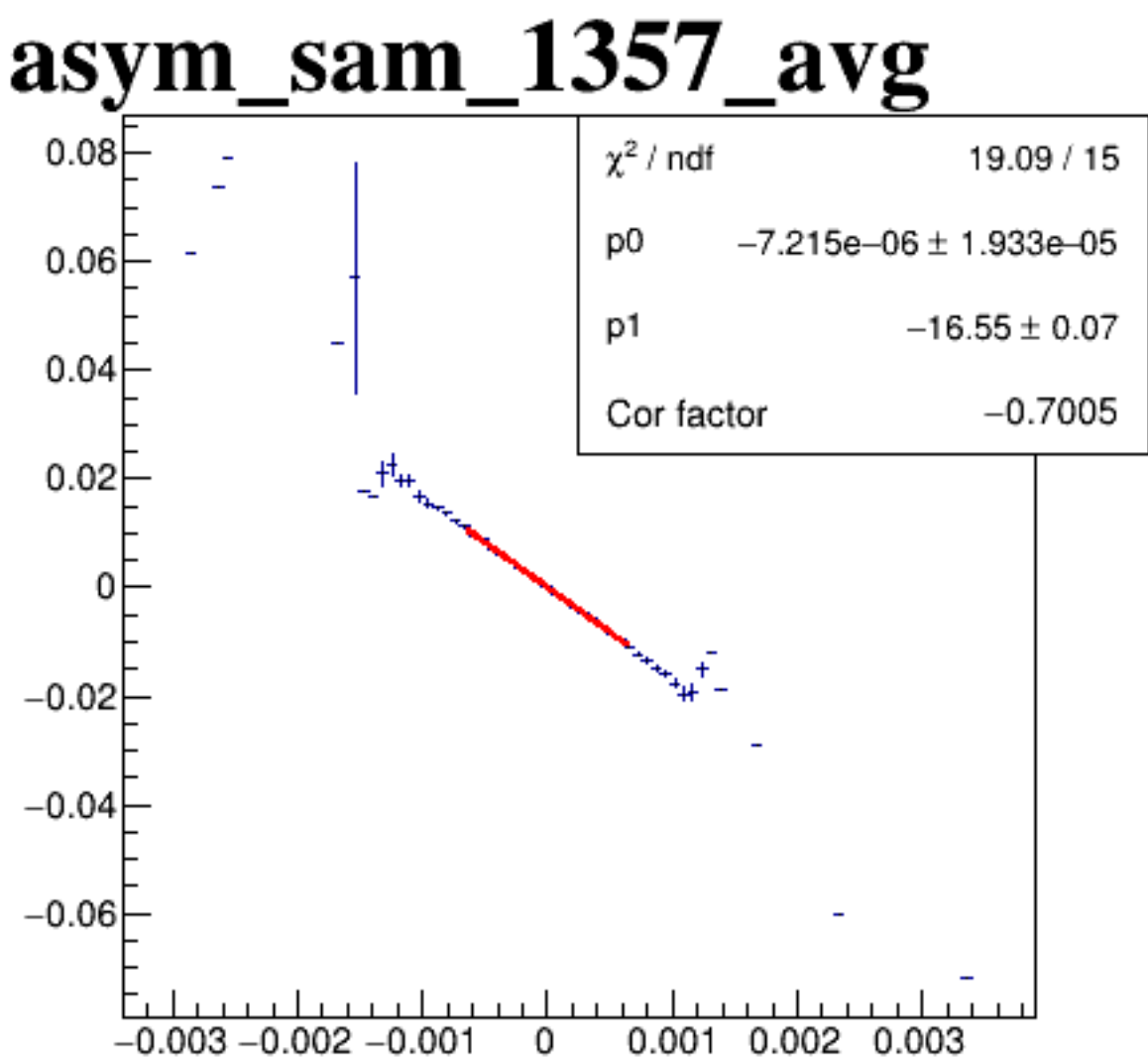
diff_bpm4aX



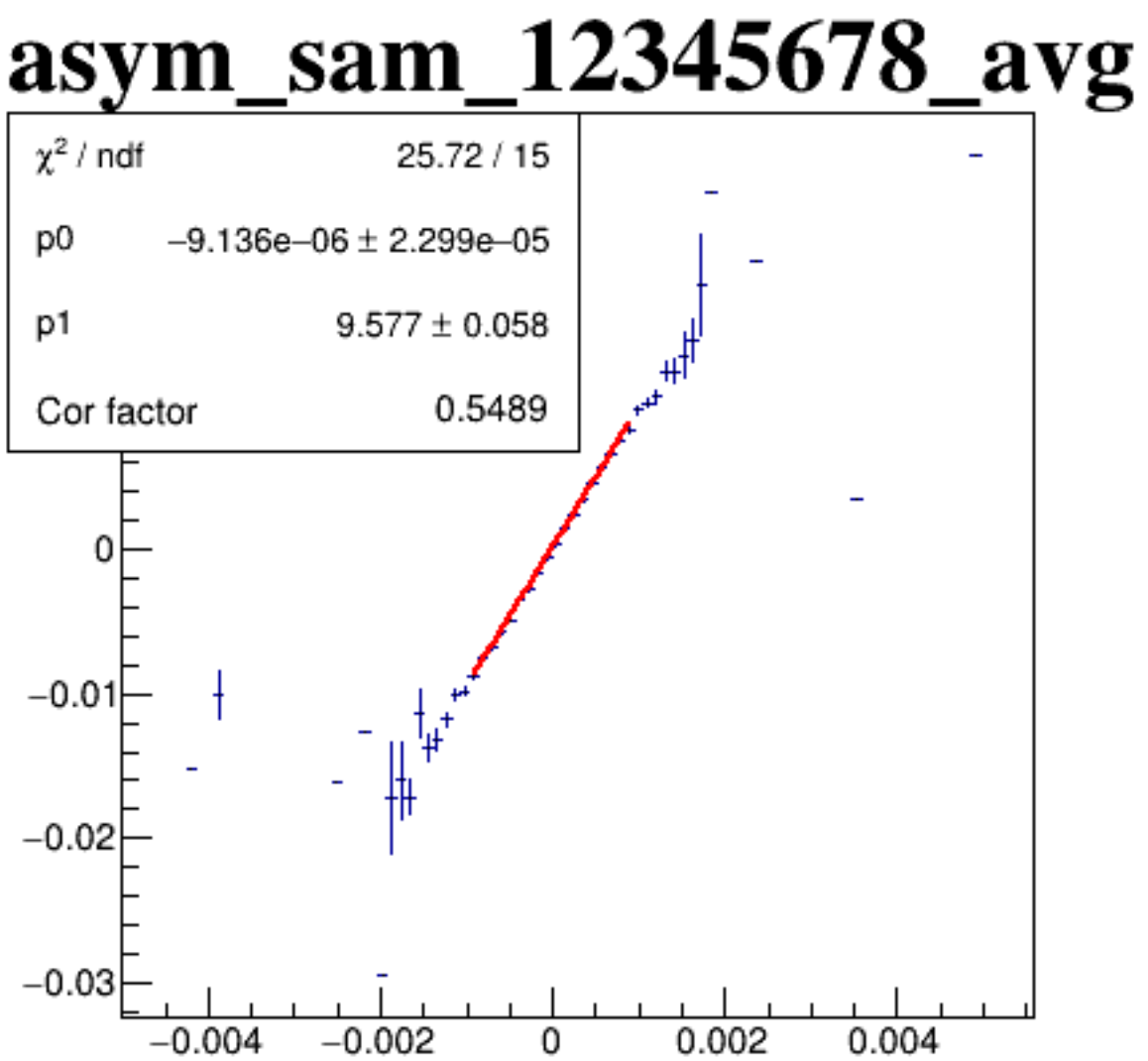
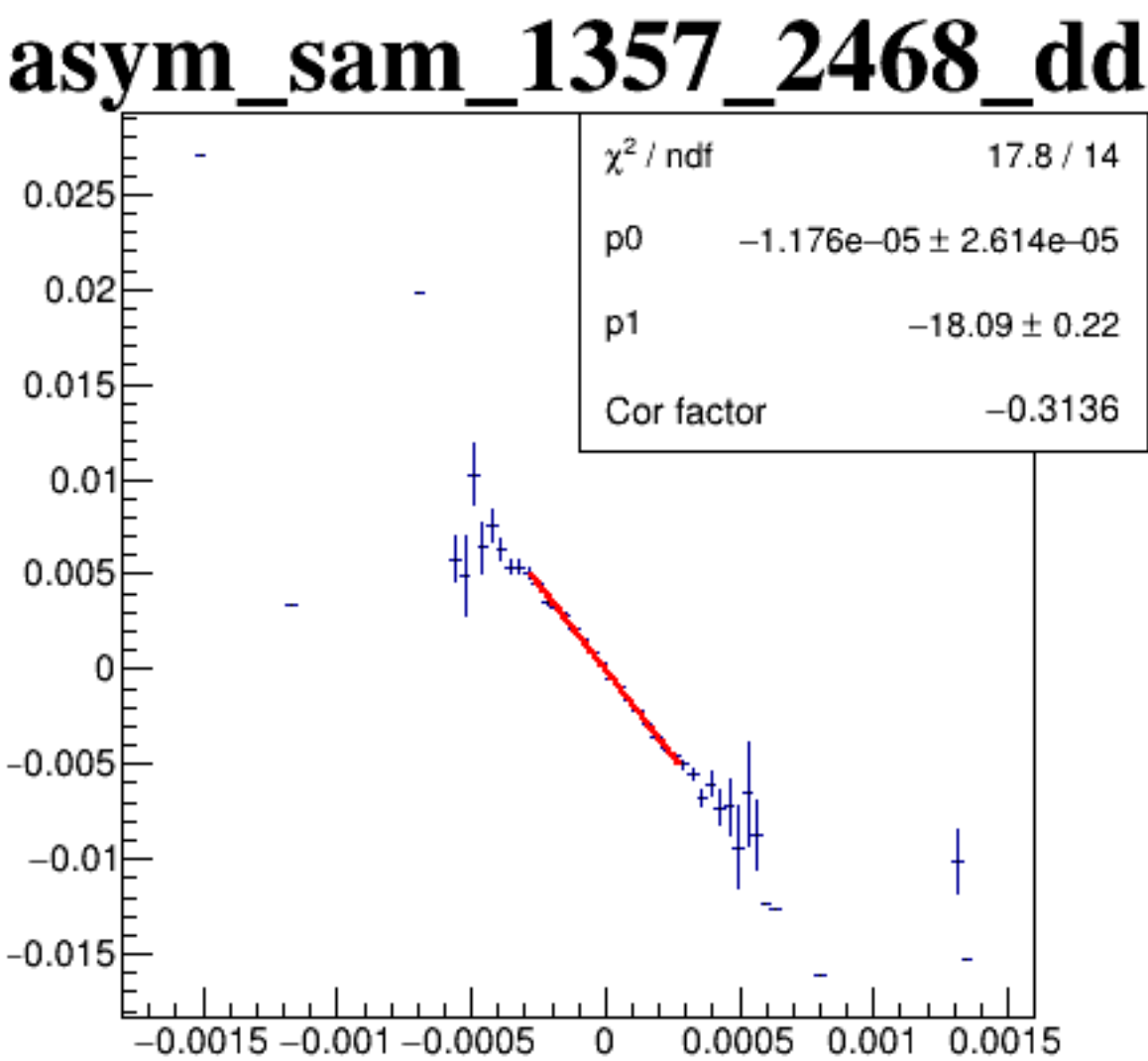
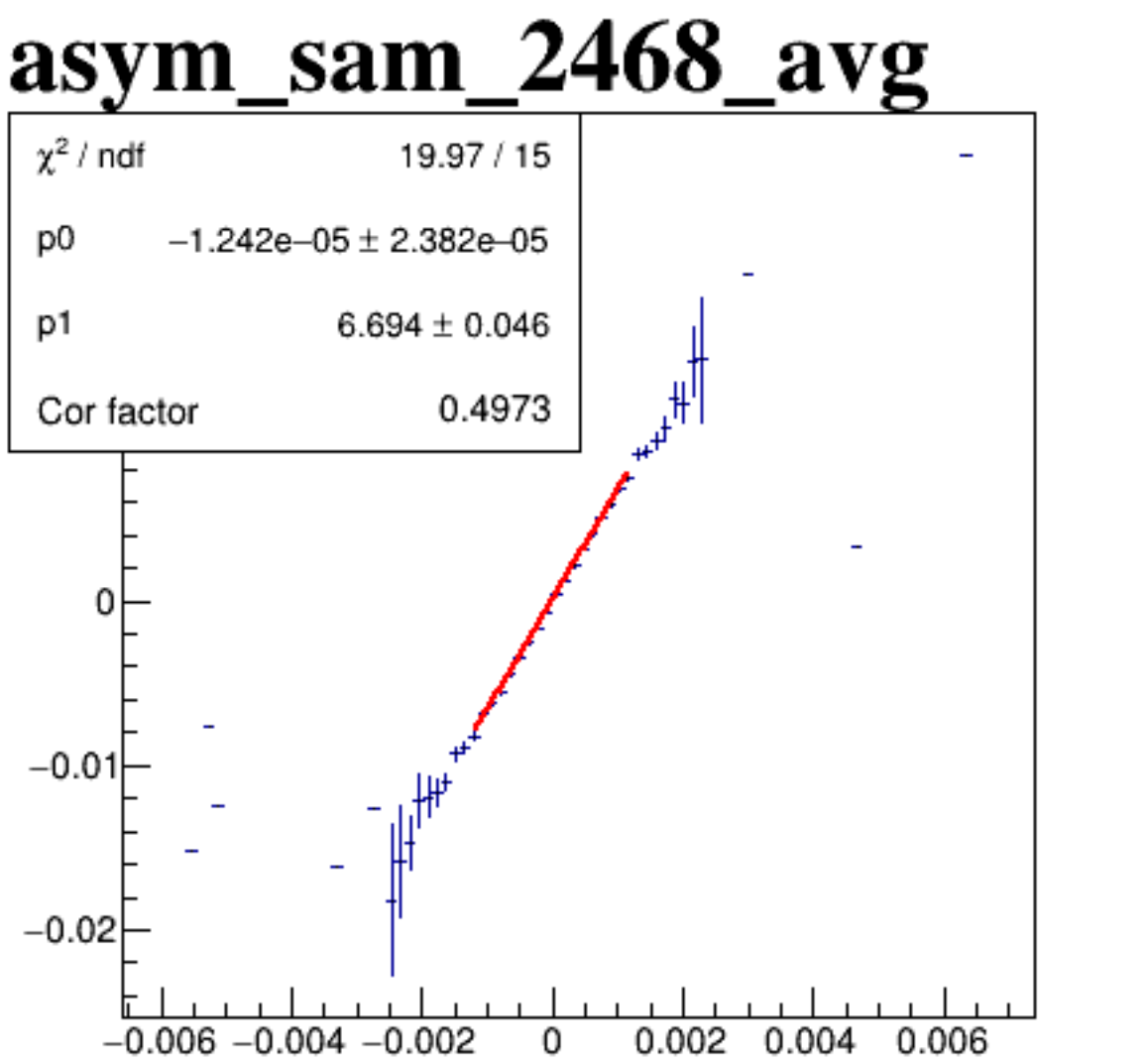
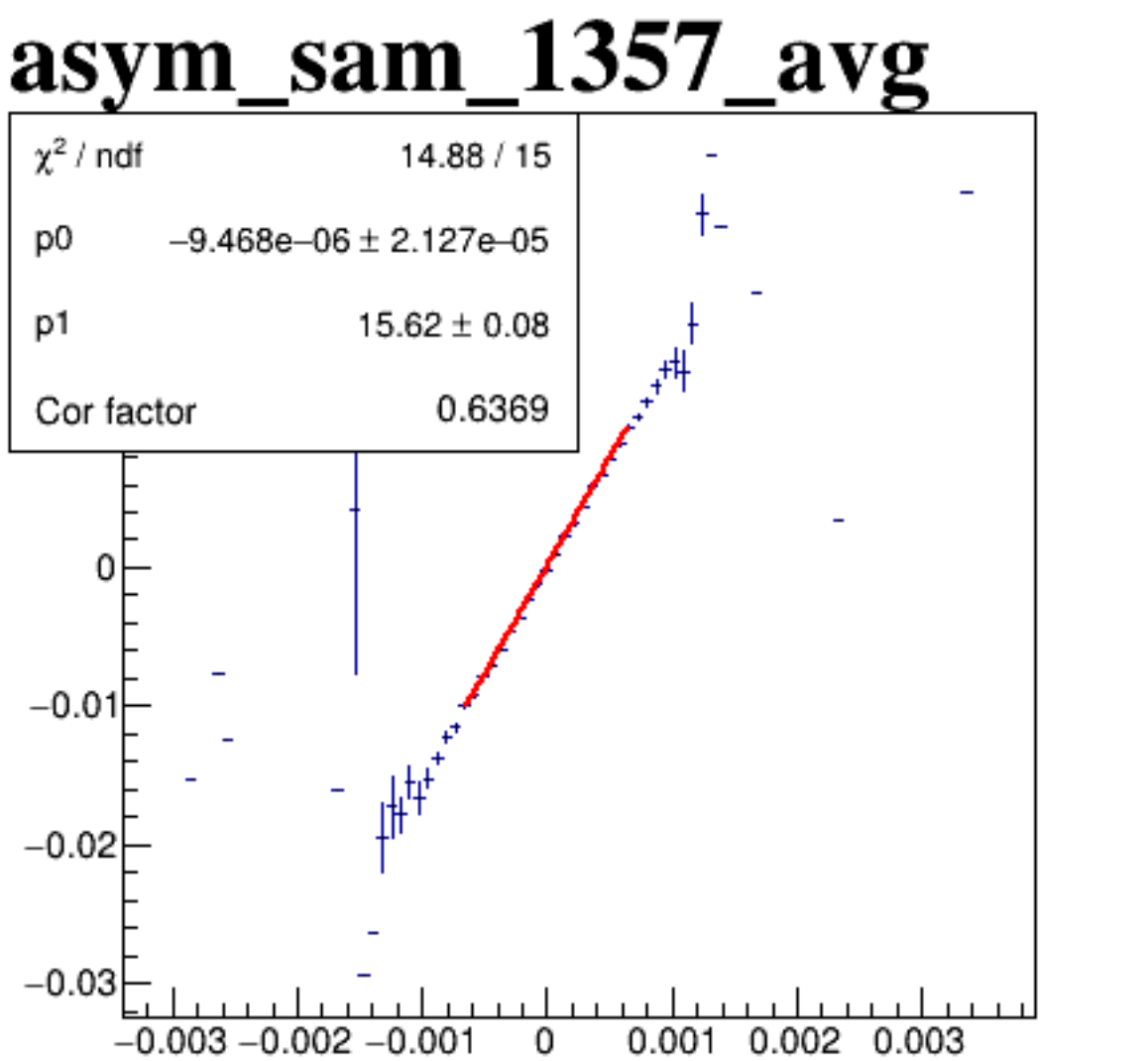
diff_bpm4aY



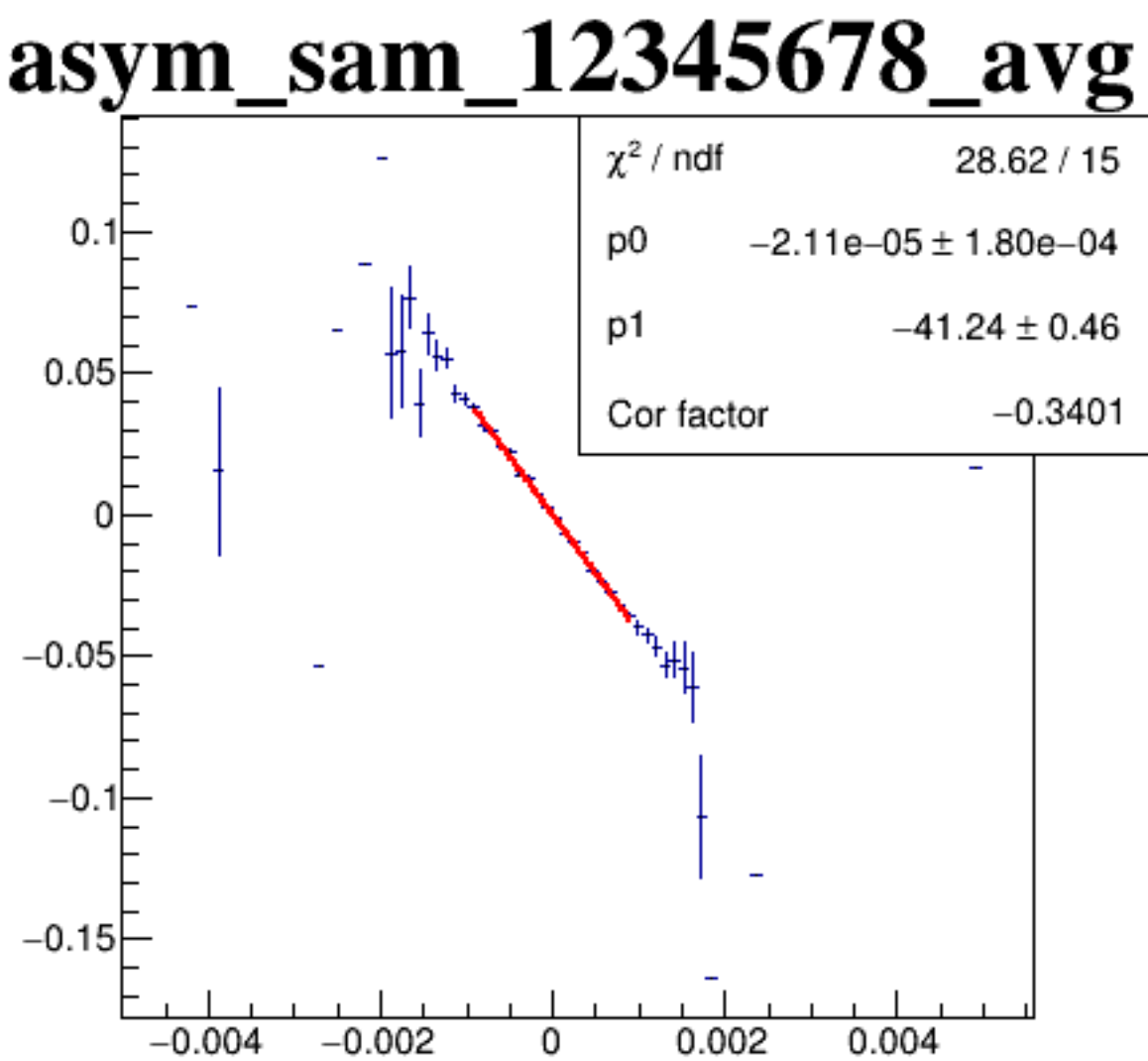
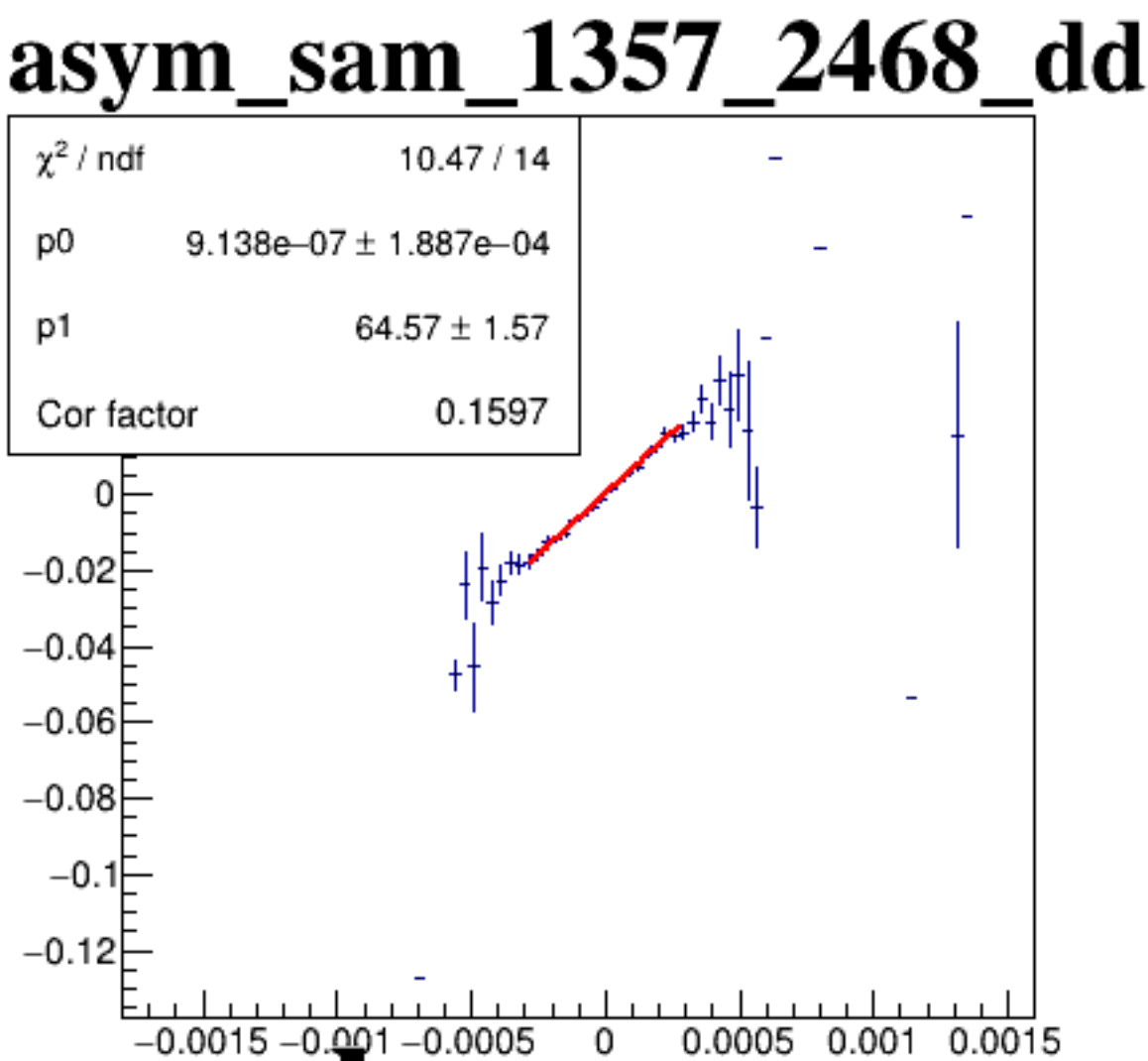
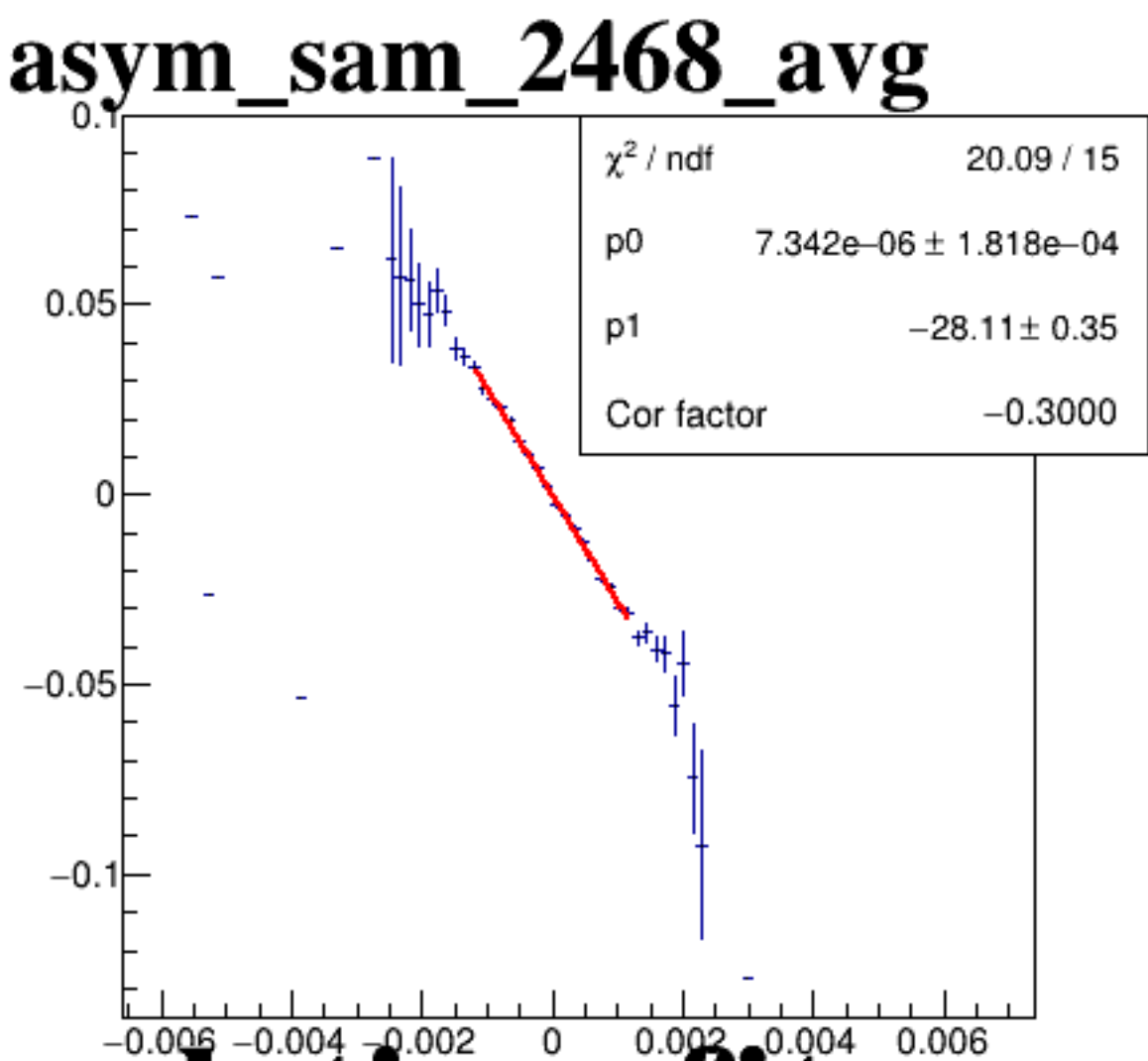
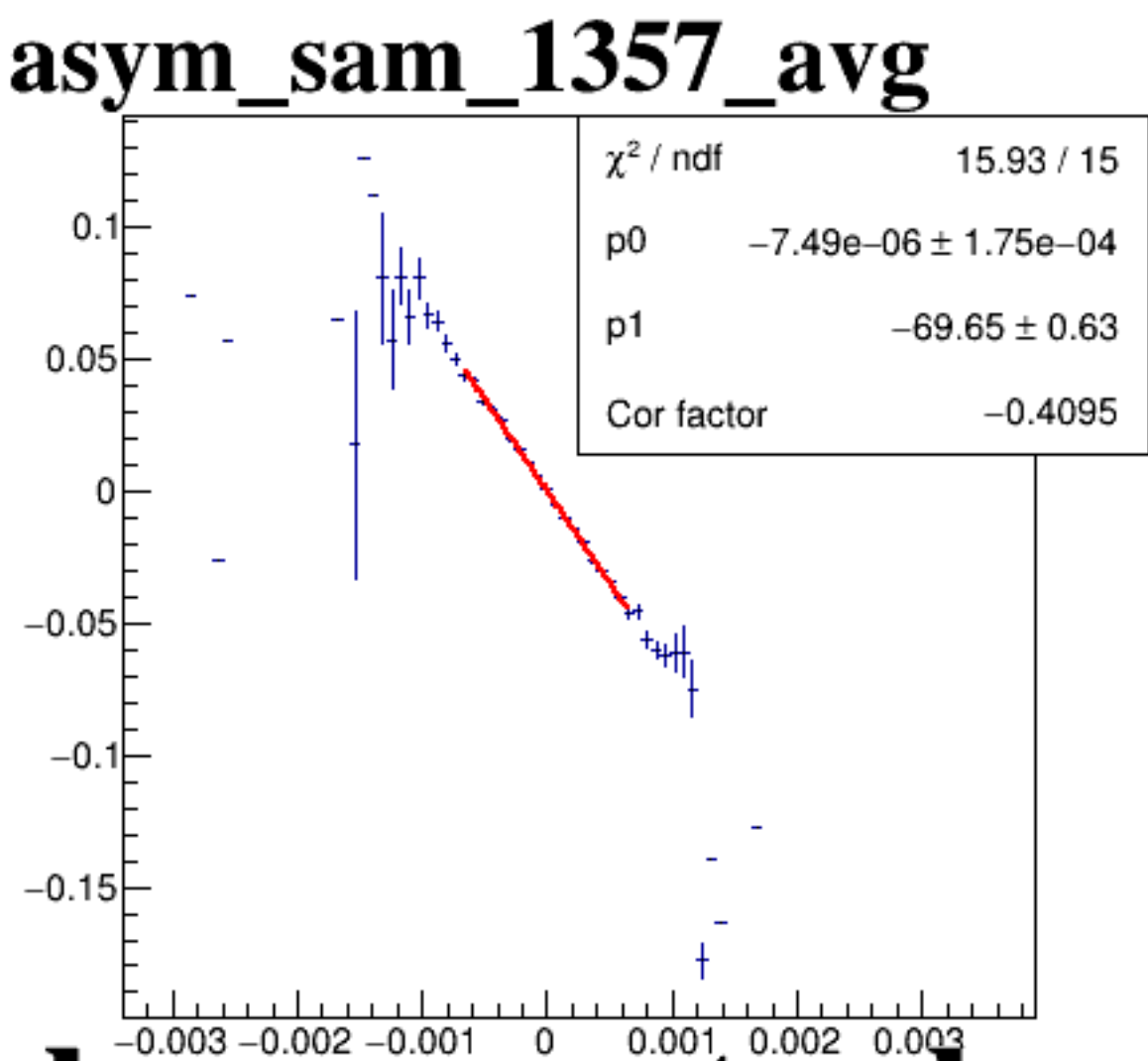
diff_bpm4eX



diff_bpm4eY



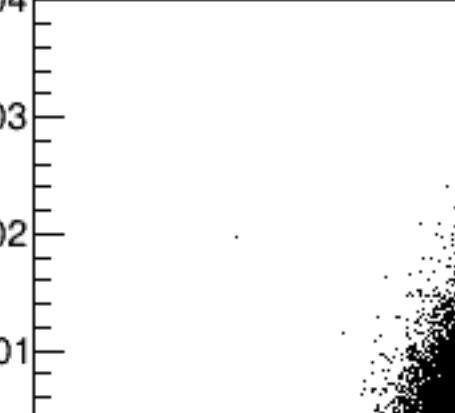
diff_bpm12X





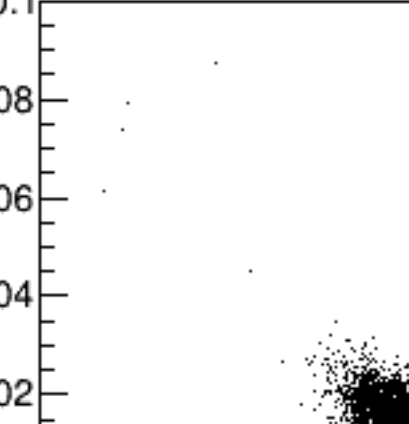
A scatter plot showing the relationship between the average asymmetry of the sample, $\text{asym_sam_12345678_avg}$ (y-axis), and the average asymmetry of the multiplicity distribution, $\text{mulc.asym_sam_12345678_avg}$ (x-axis). The data points form a dense, elongated elliptical cloud centered around the origin (0,0). The x-axis ranges from -0.004 to 0.004, and the y-axis ranges from -0.08 to 0.1. The plot is titled $\text{asym_sam_12345678_avg}$.

A scatter plot showing the relationship between `asym_sam_2468_avg` (y-axis) and `mulc.asym_sam_2468_avg` (x-axis). The data points form a dense, elongated elliptical cloud centered around (0, 0), indicating a strong positive correlation. The x-axis ranges from -0.006 to 0.006, and the y-axis ranges from -0.03 to 0.04.



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 -0.03 to 0.04, and the x-axis ranges from -0.004 to 0.004. The data points form a dense, elongated elliptical cloud centered around (0, 0), indicating a strong positive correlation.

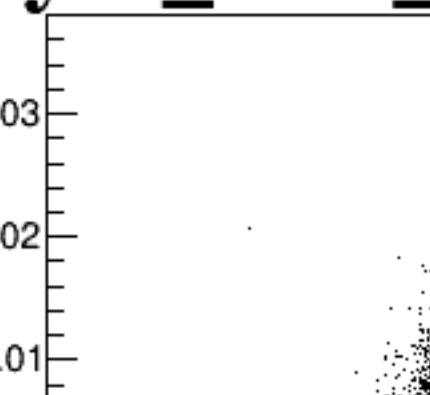
A scatter plot showing the relationship between **asym_sam_1357_avg** (y-axis) and **mulc.asym_sam_1357_avg** (x-axis). The y-axis ranges from -0.08 to 0.1, and the x-axis ranges from -0.003 to 0.003. The data points form a dense, elongated elliptical cloud centered around (0, 0), indicating a strong positive correlation.



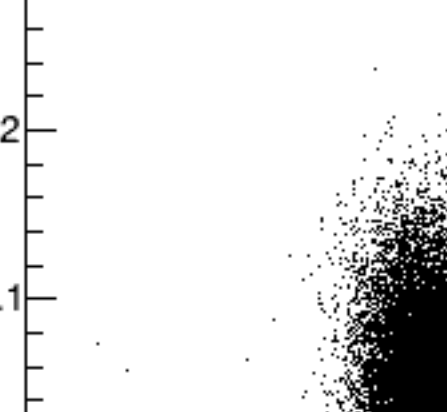
A scatter plot showing the relationship between `asym_sam_2468_avg` (y-axis) and `mulc.asym_sam_2468_avg` (x-axis). The y-axis ranges from -0.08 to 0.1, and the x-axis ranges from -0.006 to 0.006. The data points form a dense, elongated elliptical cloud centered around (0, 0), indicating a strong positive correlation.

A scatter plot showing the relationship between `mulc.asym_sam_1357_2468_dd` (x-axis) and `asym_sam_1357_2468_dd` (y-axis). The x-axis ranges from -0.0015 to 0.0015, and the y-axis ranges from -0.08 to 0.1. The data points form a dense, elongated elliptical cloud centered around (0, 0), indicating a strong positive correlation between the two variables.

A scatter plot showing the relationship between `asym_sam_2468_avg` (y-axis) and `mulc.asym_sam_2468_avg` (x-axis). The y-axis ranges from -0.03 to 0.03, and the x-axis ranges from -0.006 to 0.006. The data points form a dense, elongated elliptical cloud centered at (0,0), indicating a strong positive correlation.



A scatter plot showing the relationship between `mulc.asym_sam_12345678_avg` (x-axis) and `asym_sam_12345678_avg` (y-axis). The x-axis ranges from -0.004 to 0.004, and the y-axis ranges from -0.03 to 0.03. The data points form a dense, elongated elliptical cloud centered around (0, 0), indicating a strong positive correlation.



A scatter plot showing the relationship between `un_dpm12c` (y-axis) and `mulc.asym_sam_12345678_avg` (x-axis). The y-axis ranges from -0.2 to 0.2, and the x-axis ranges from -0.004 to 0.004. The data points form a dense, elongated elliptical cloud centered at (0,0), indicating a positive correlation.