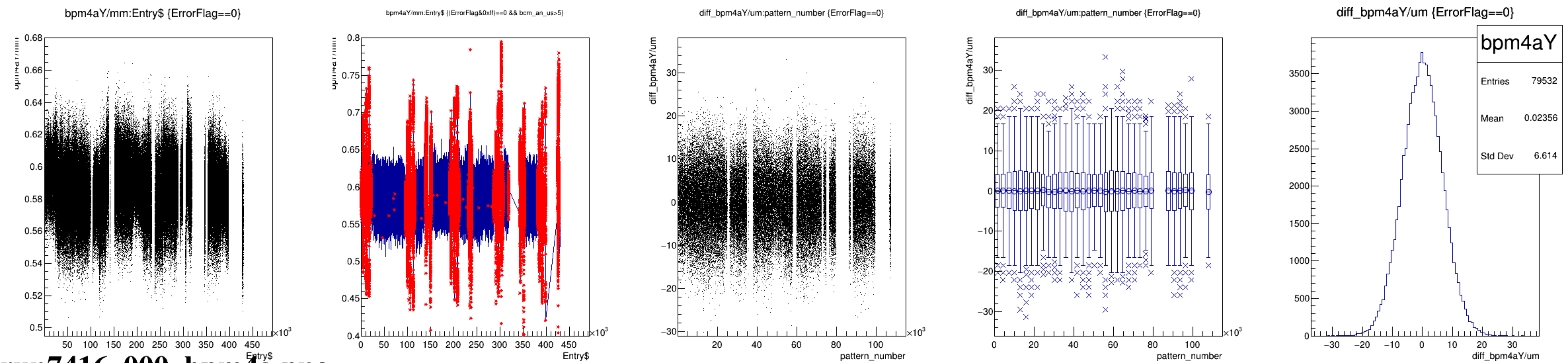
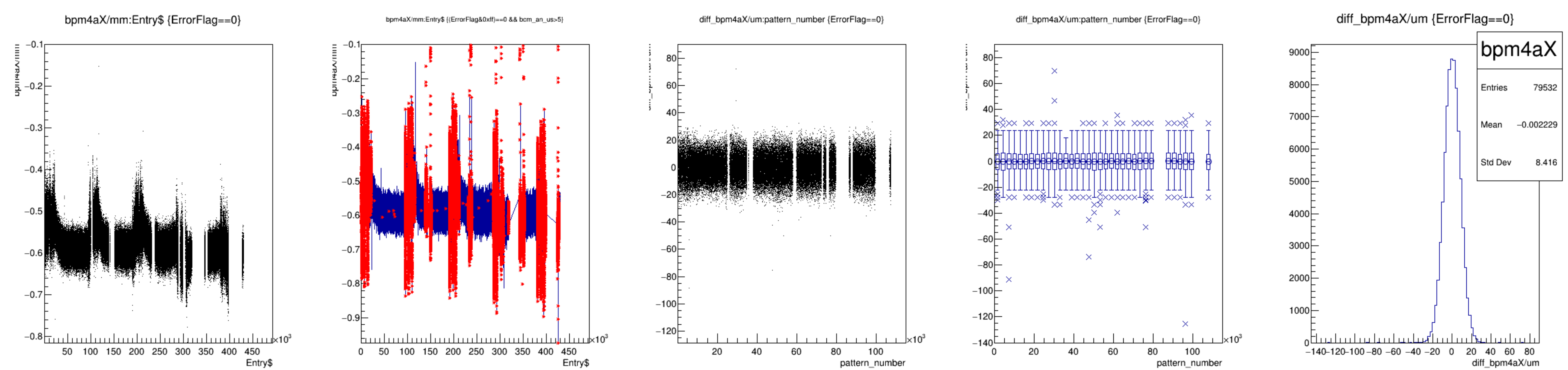
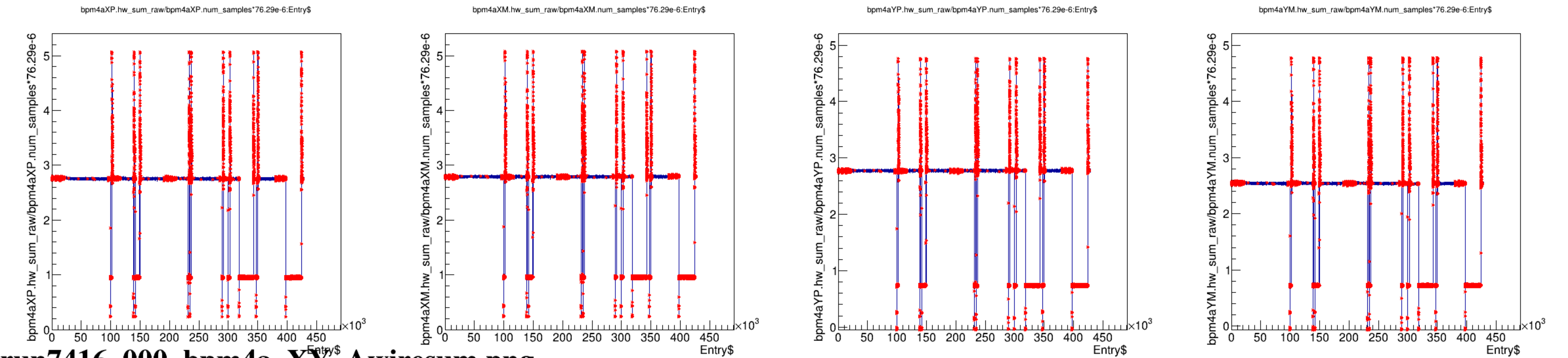
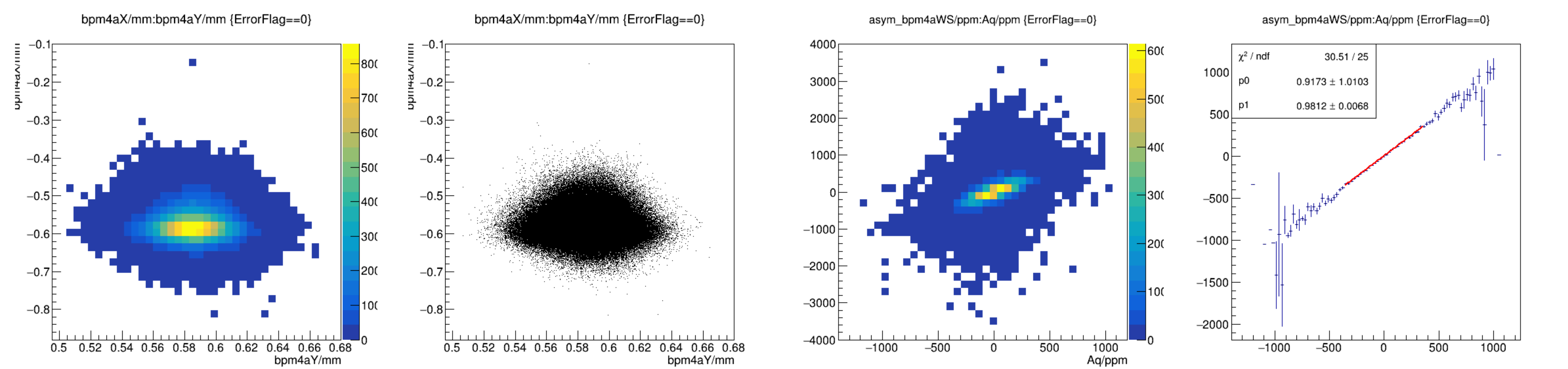
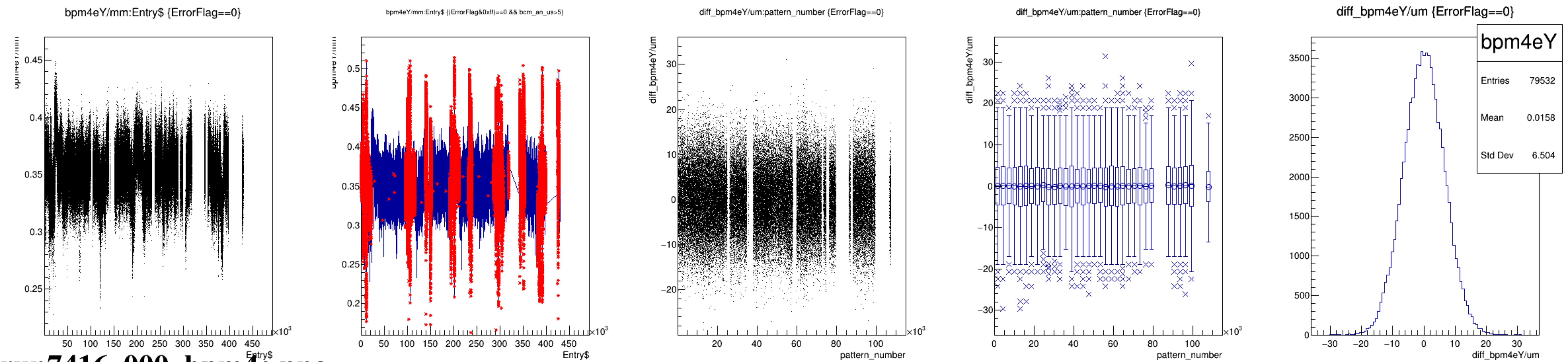
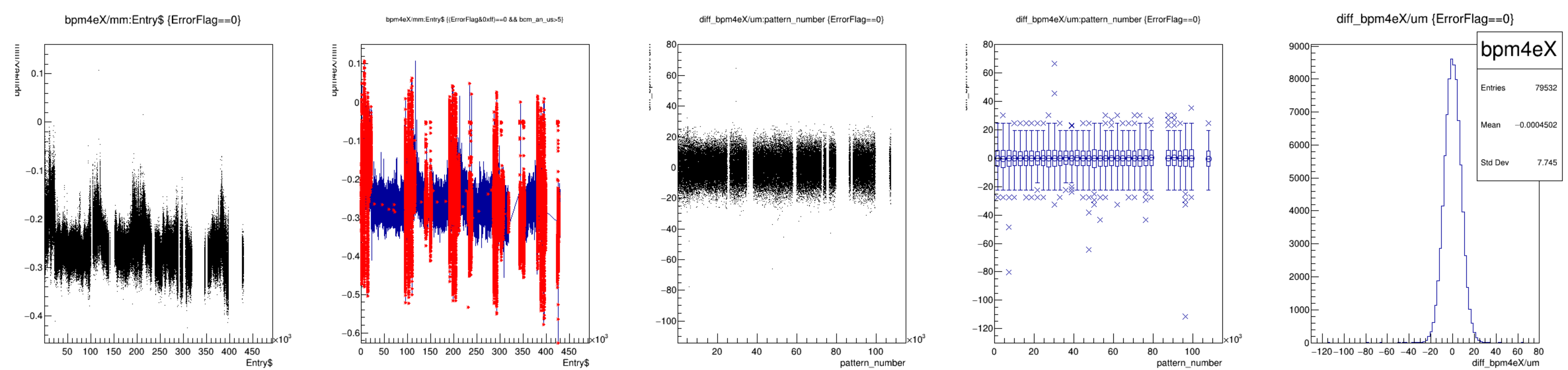
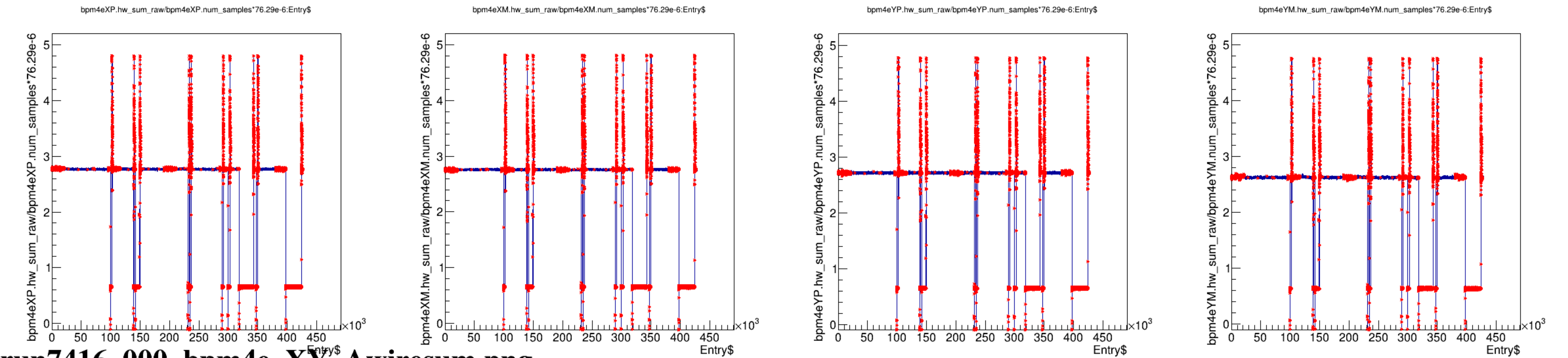
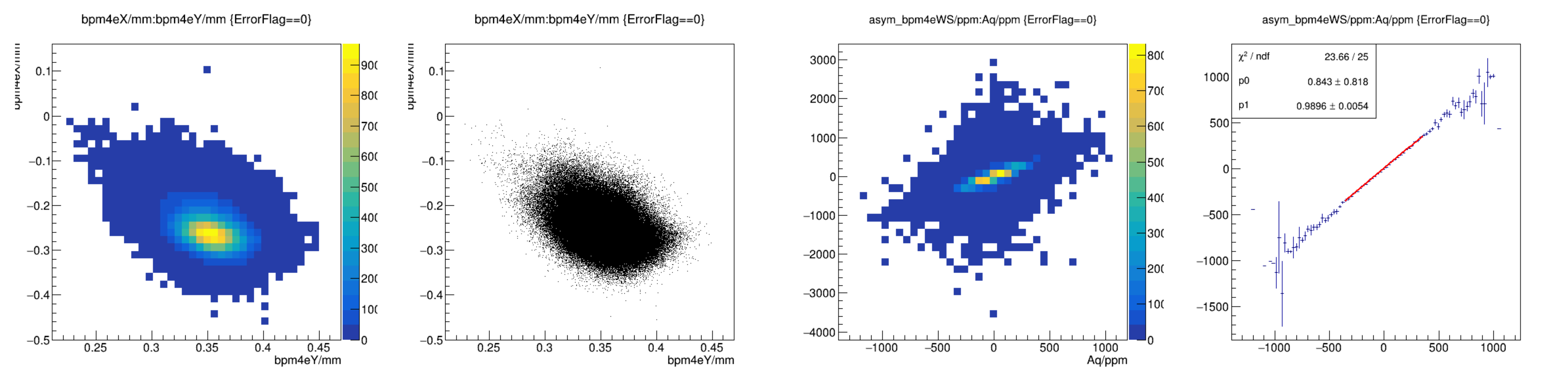
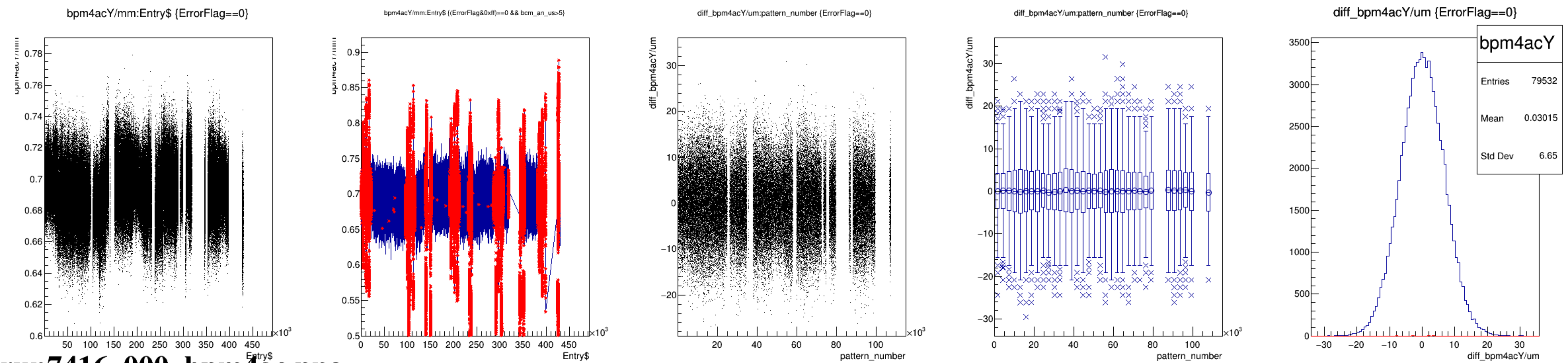
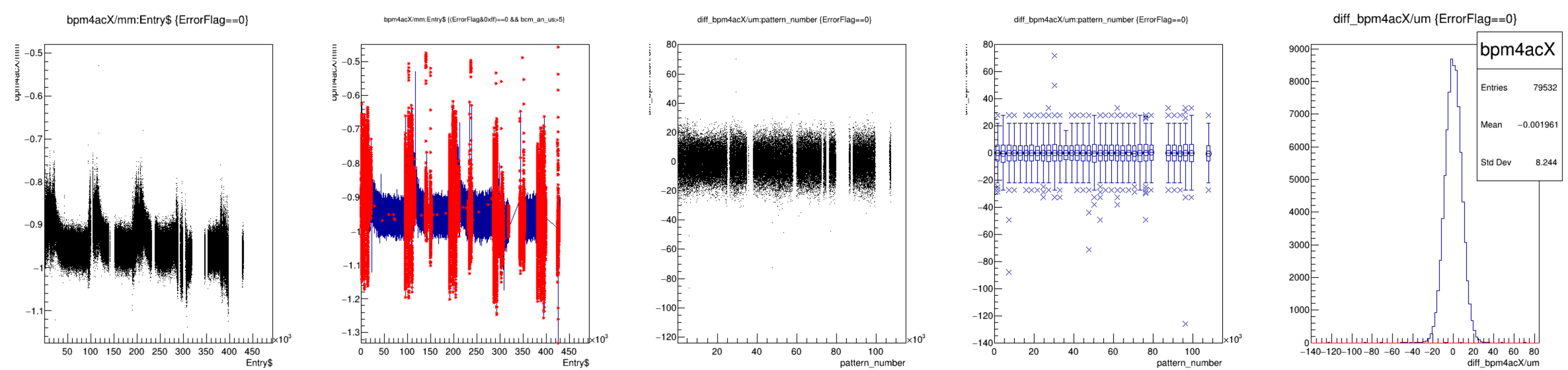


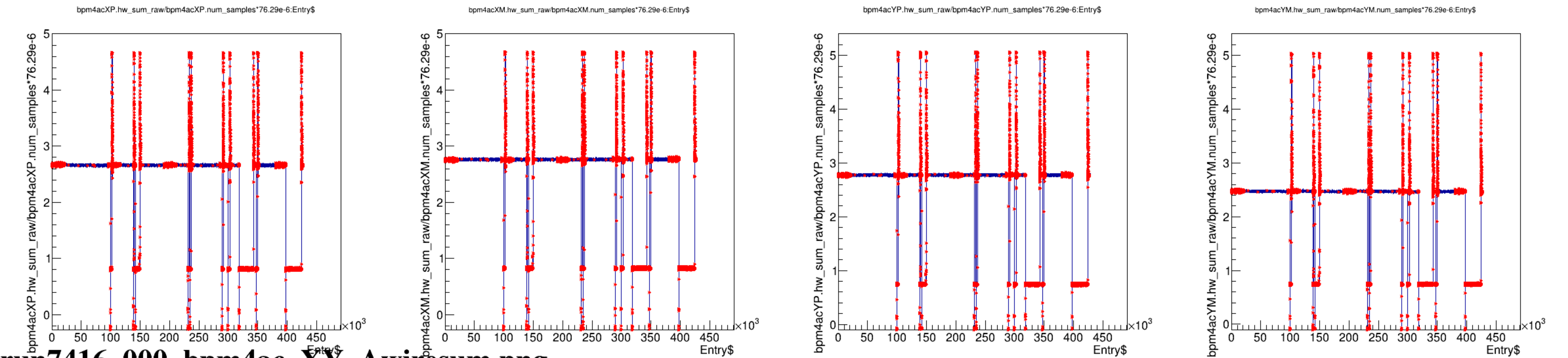
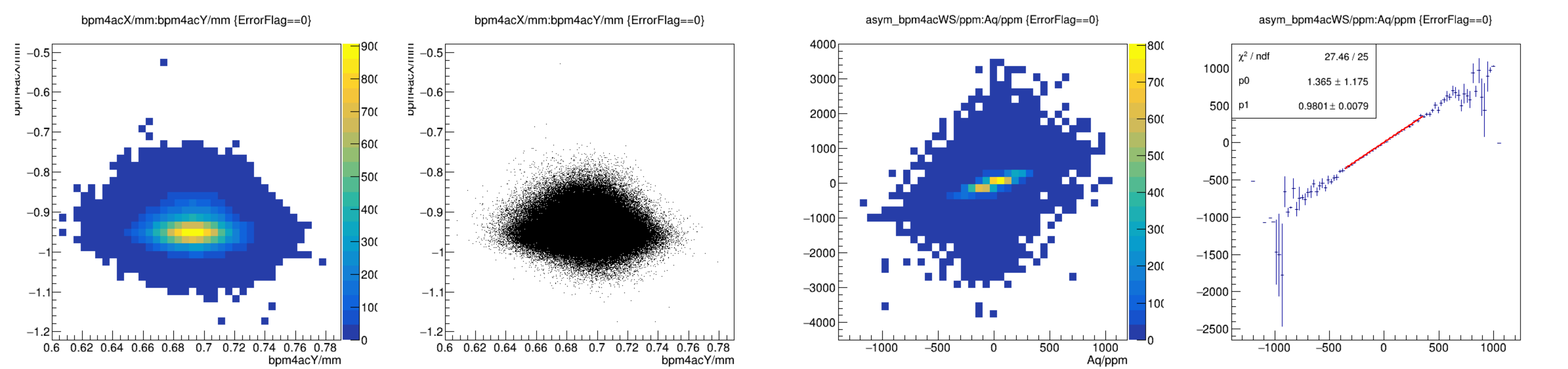


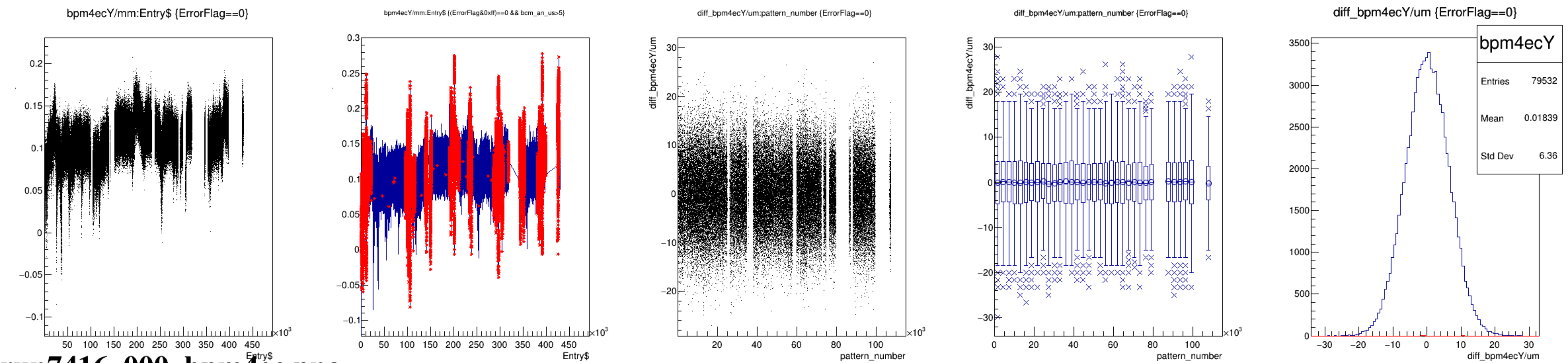
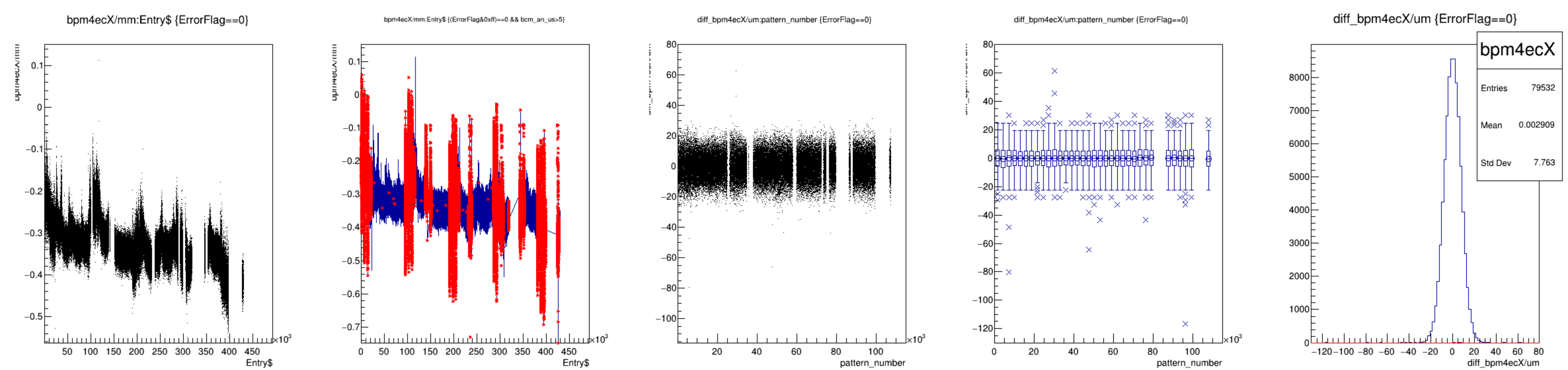


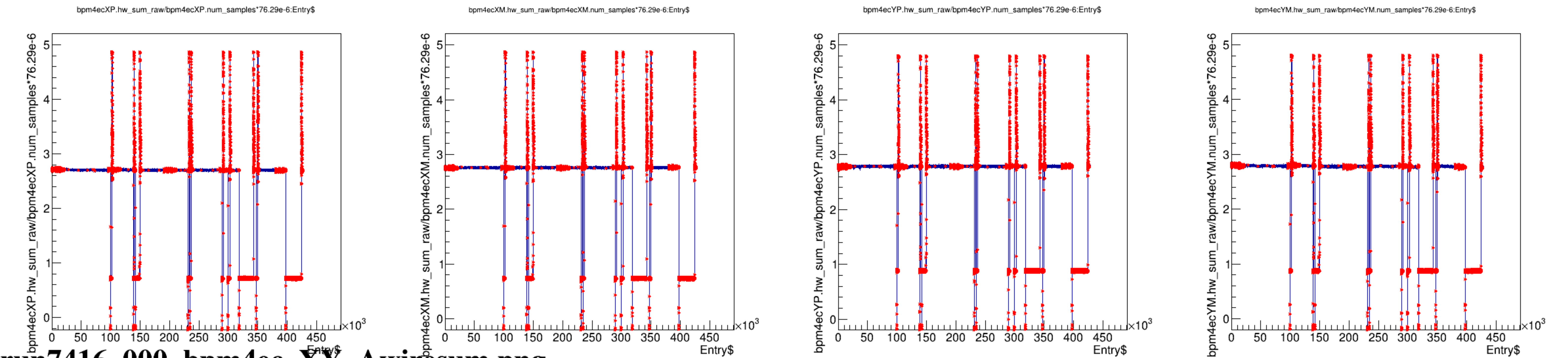
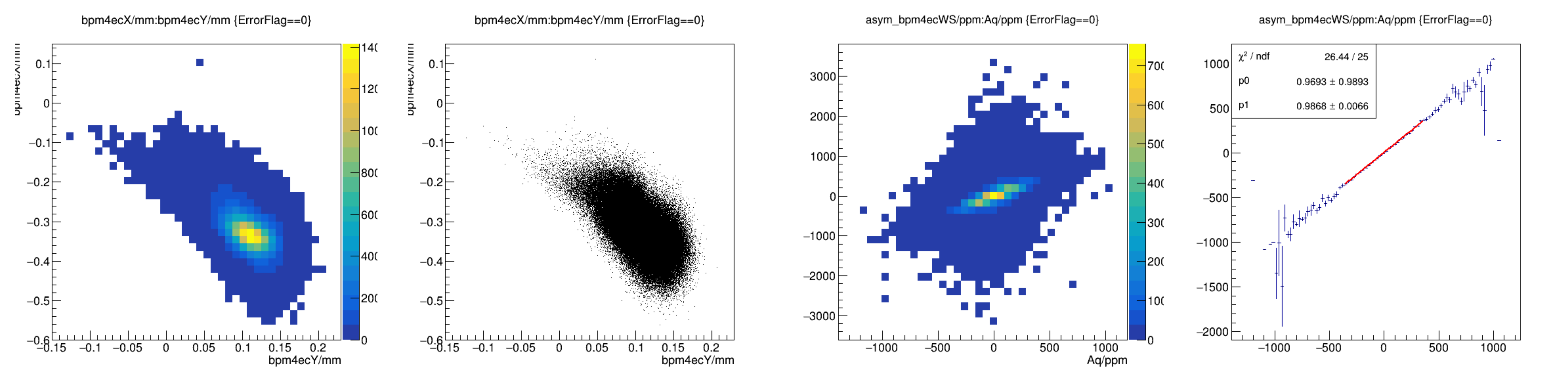


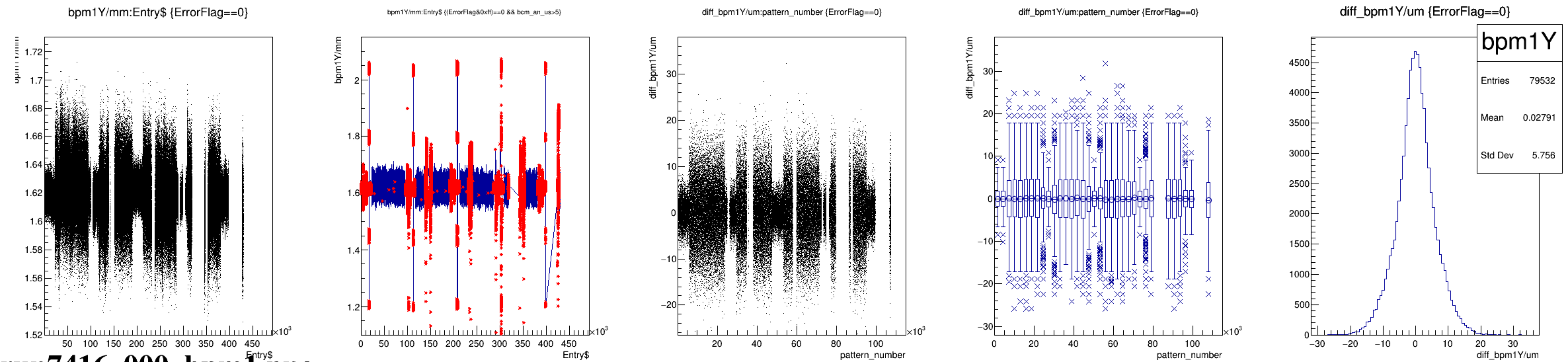
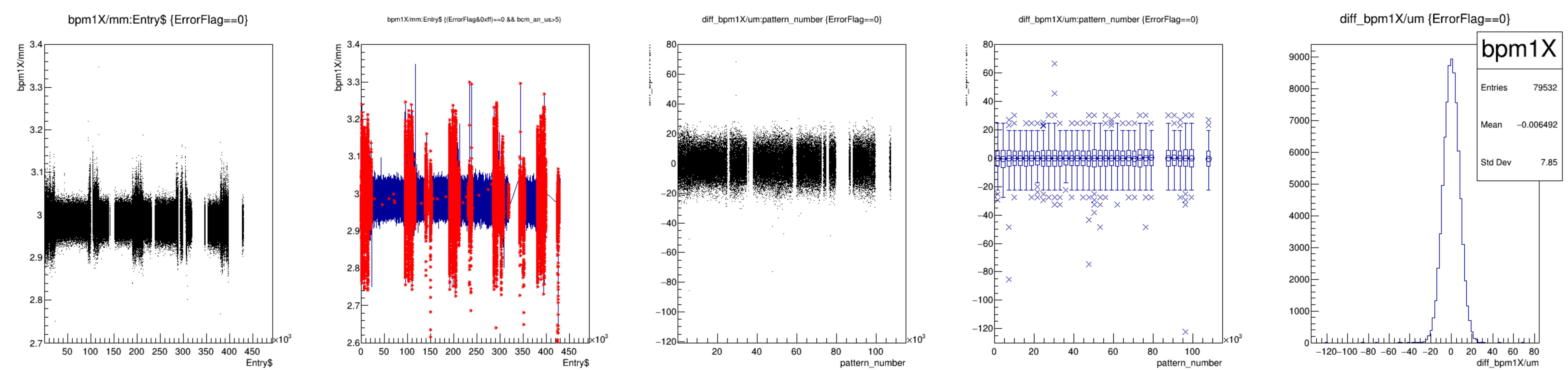


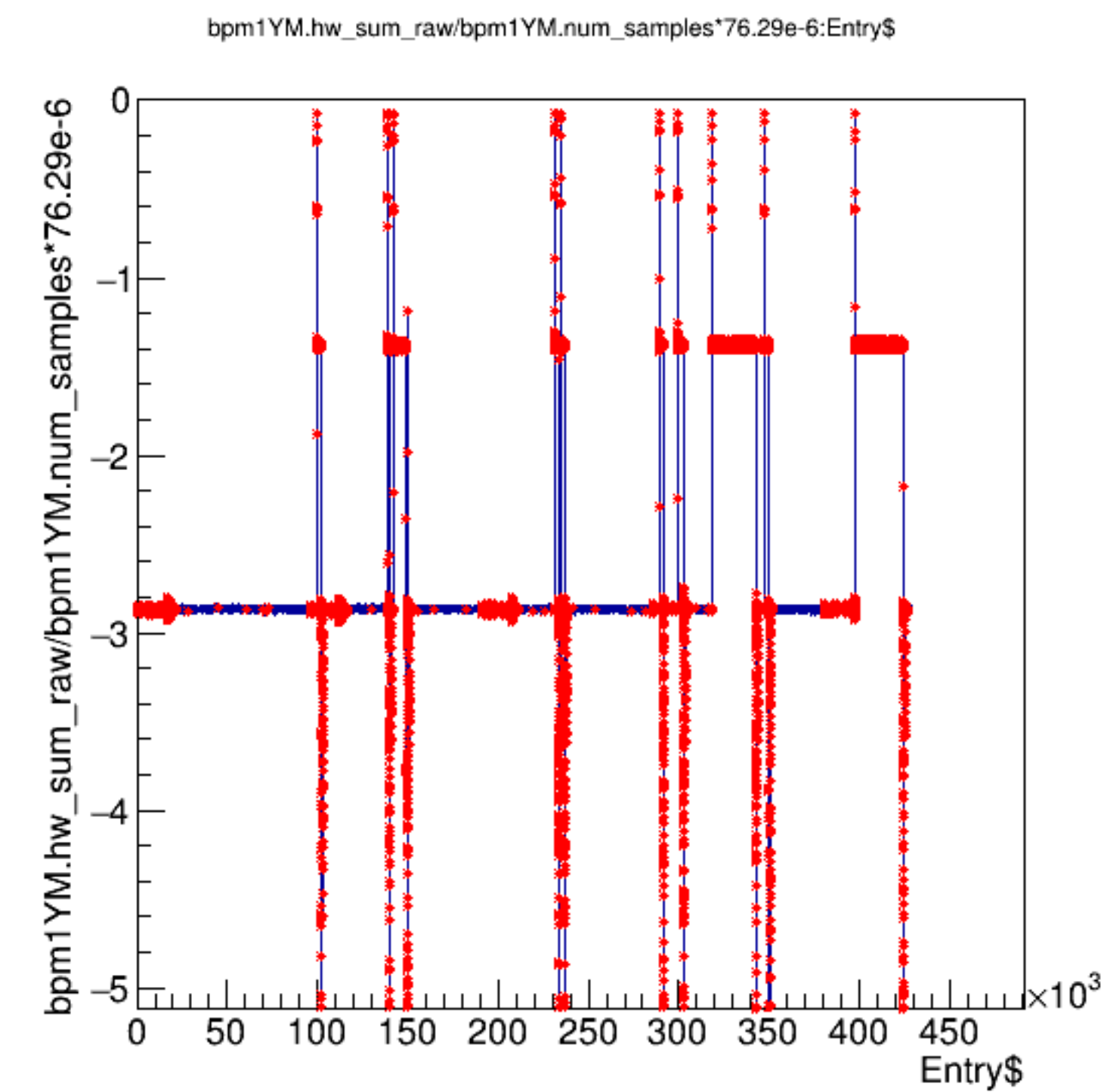
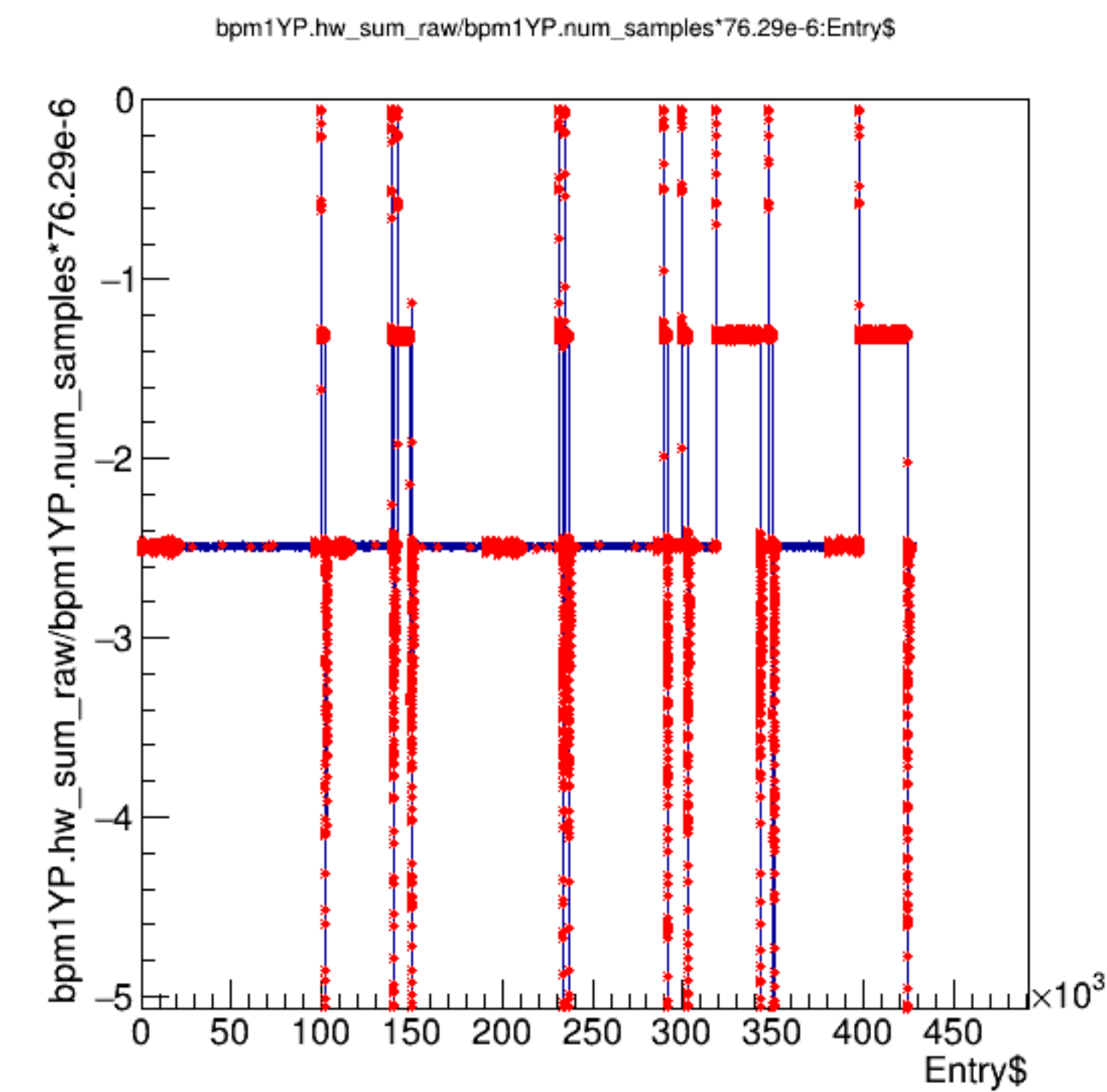
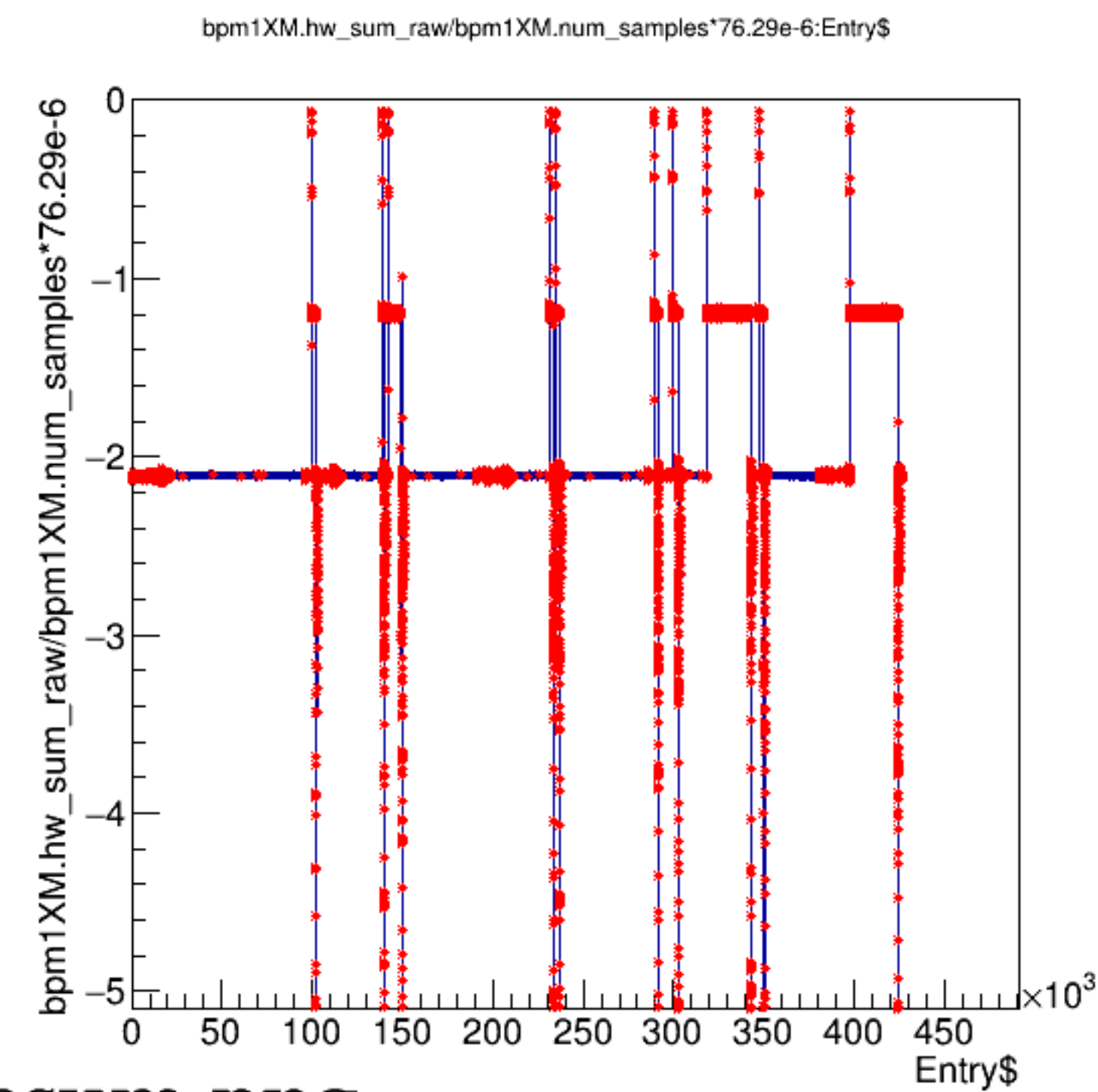
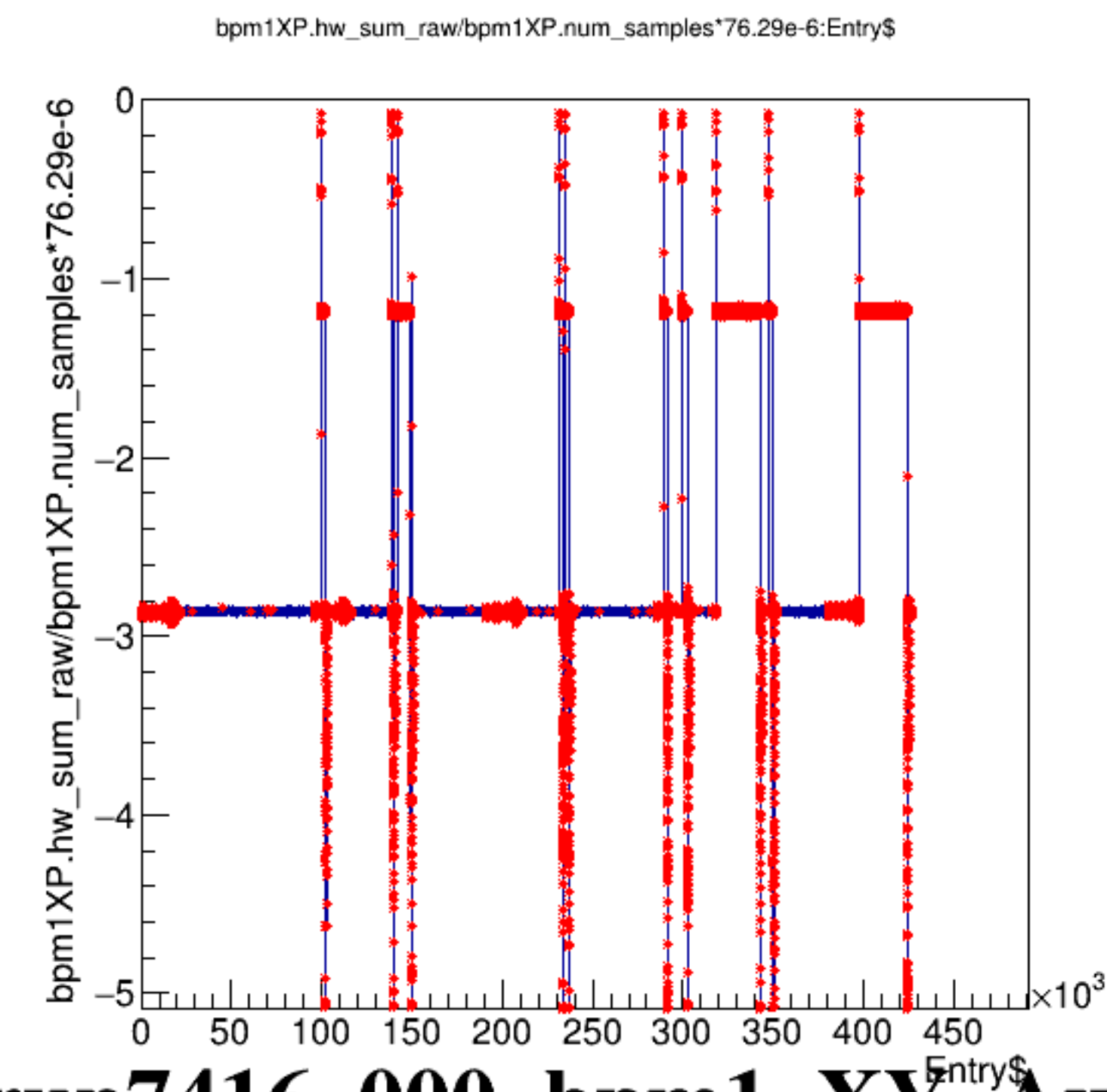
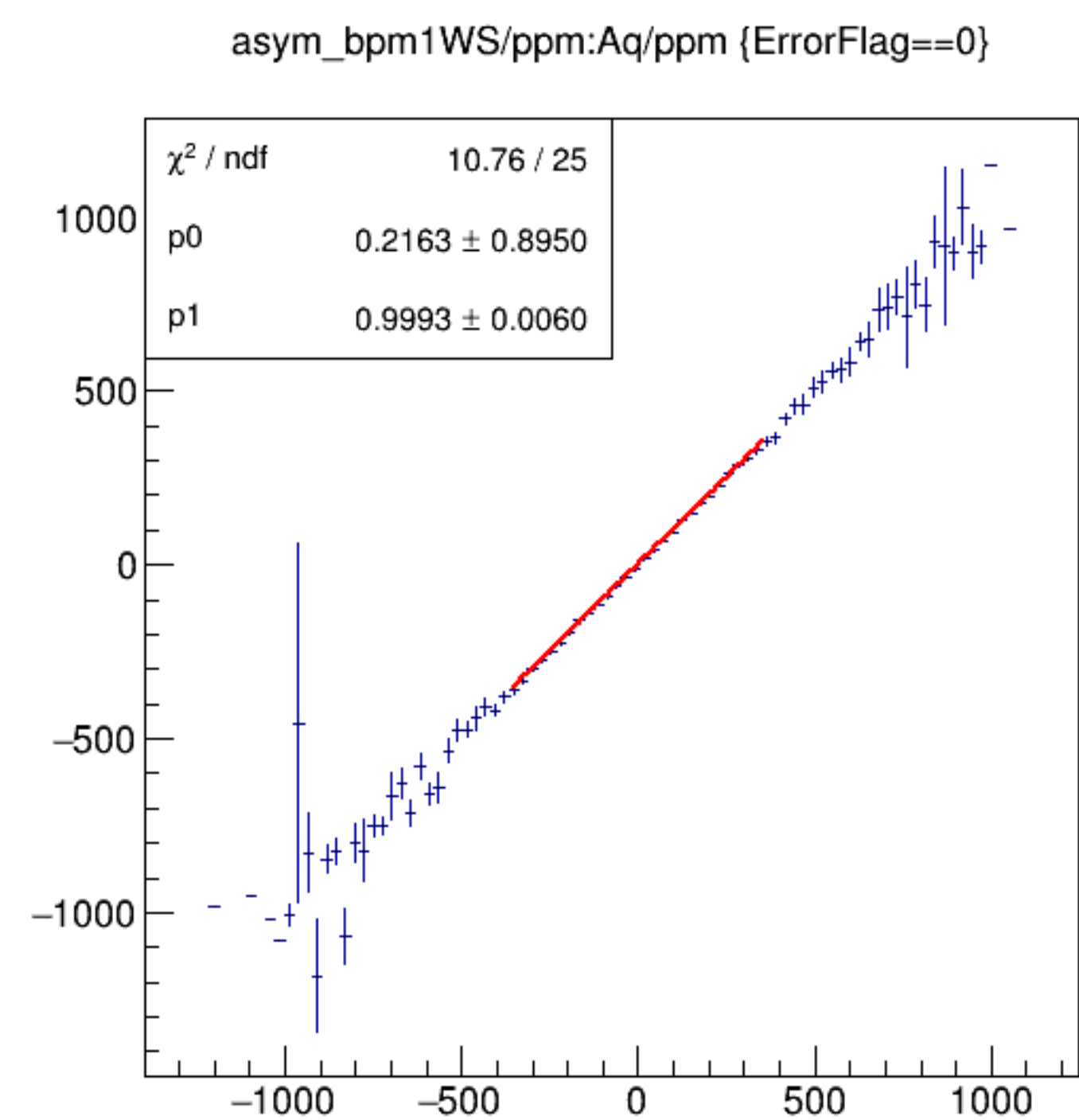
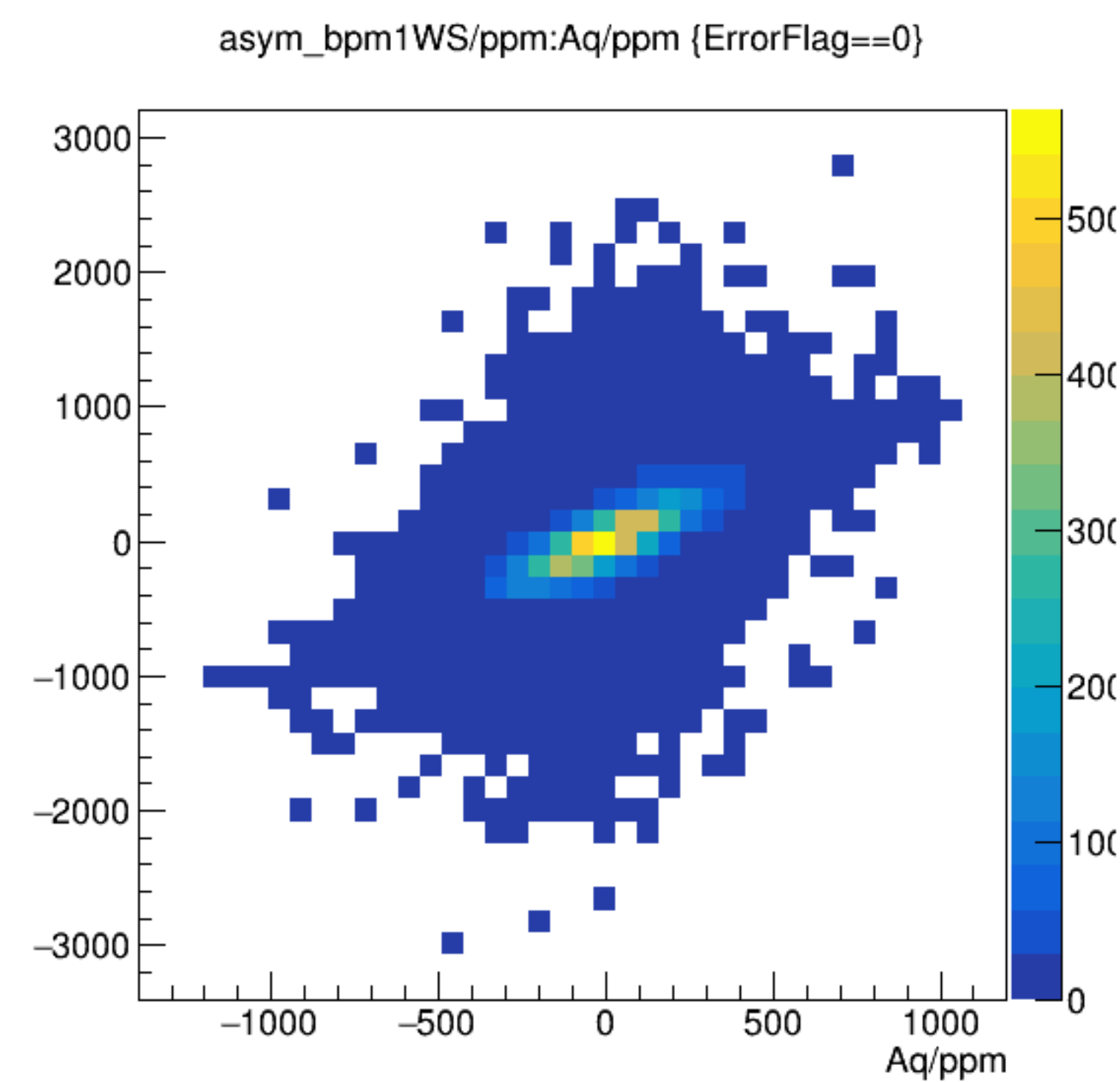
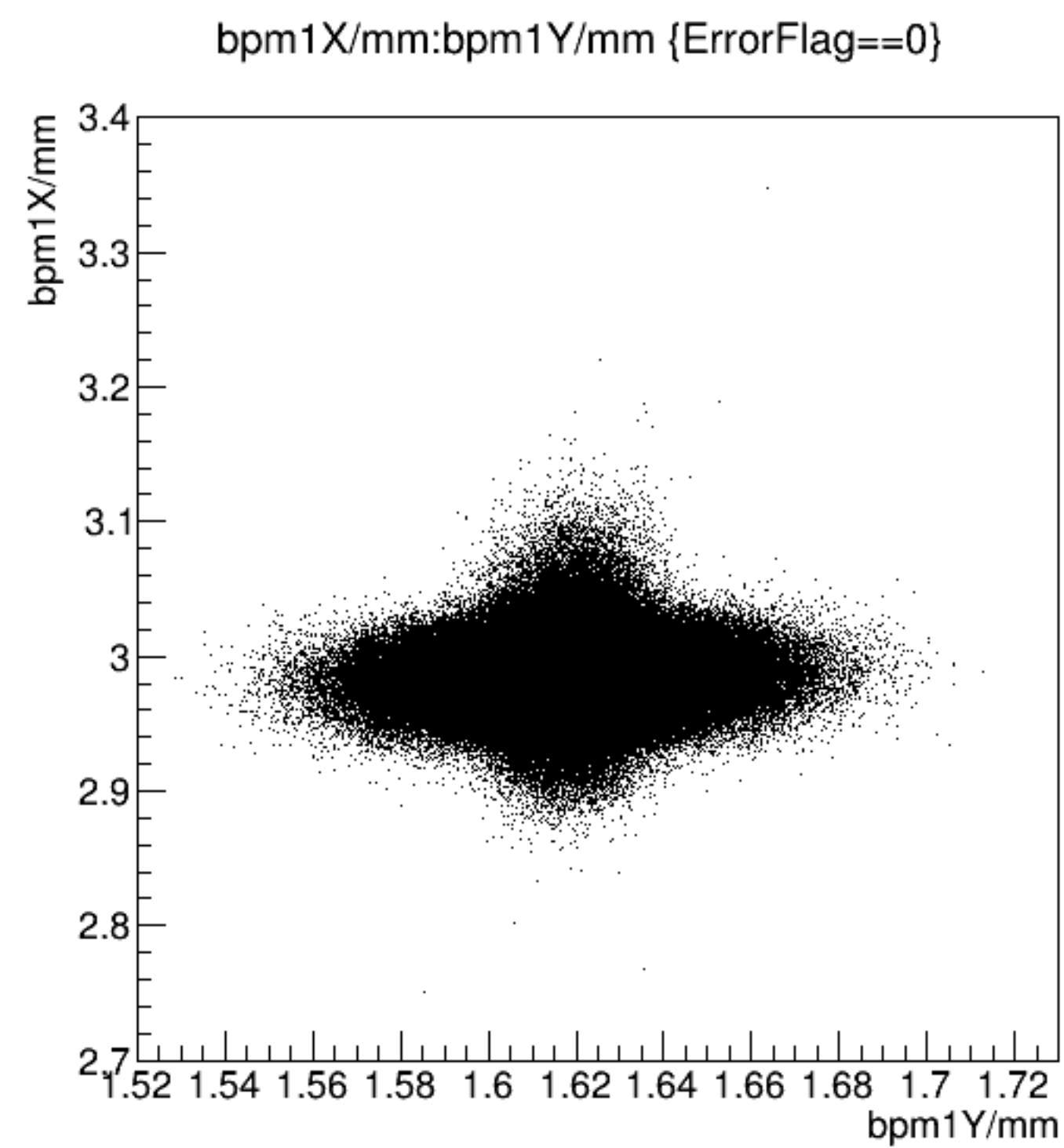
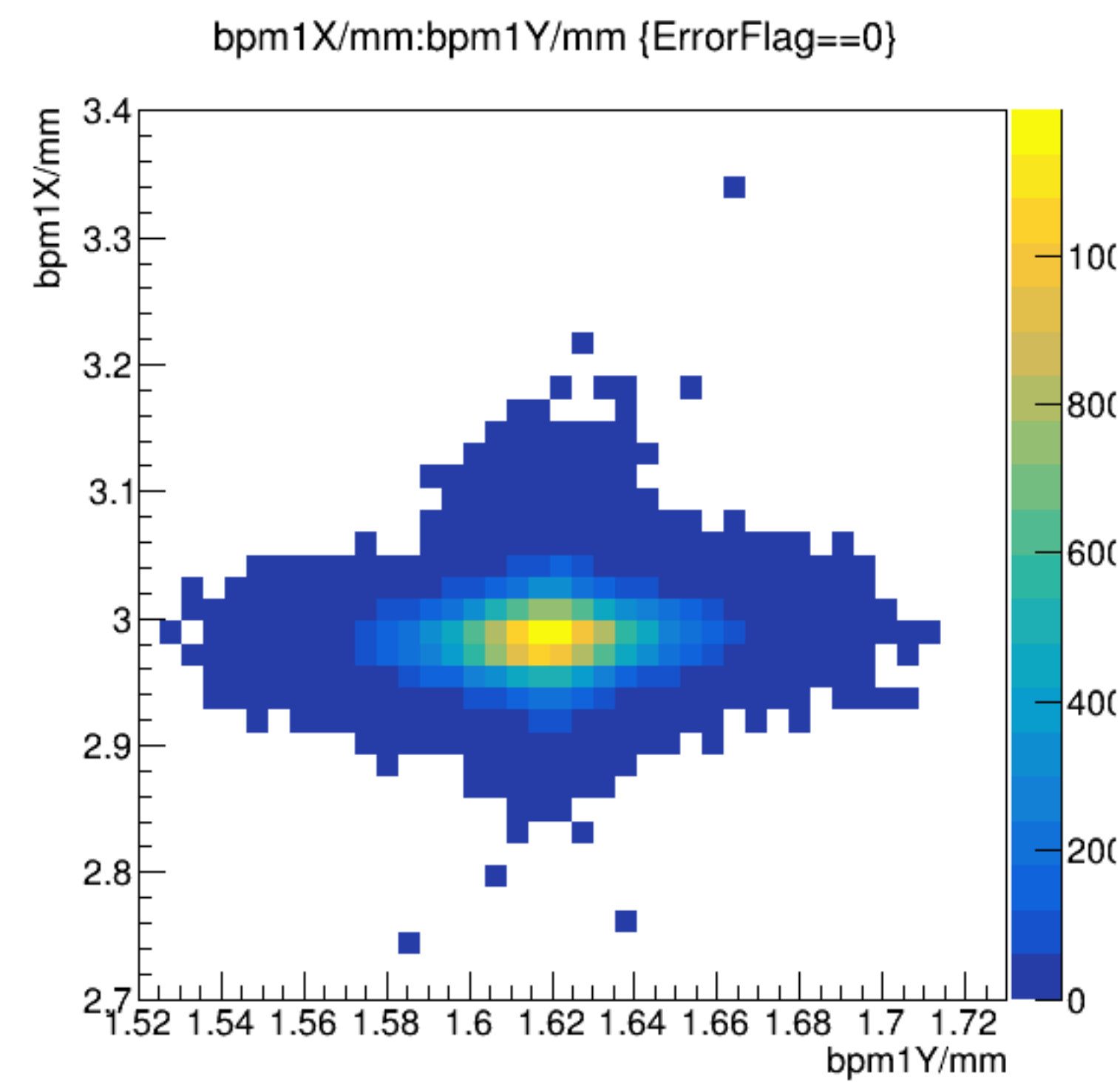


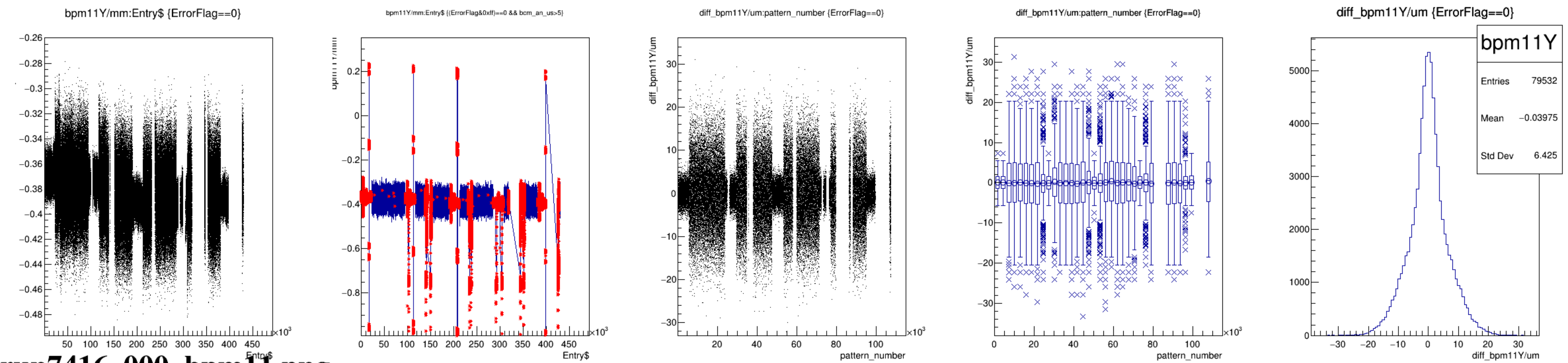
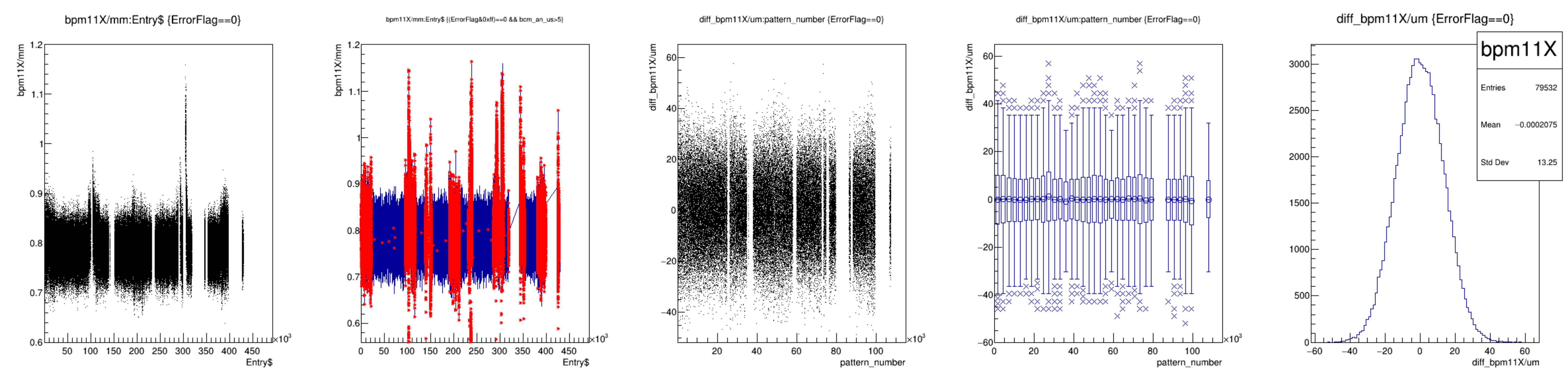


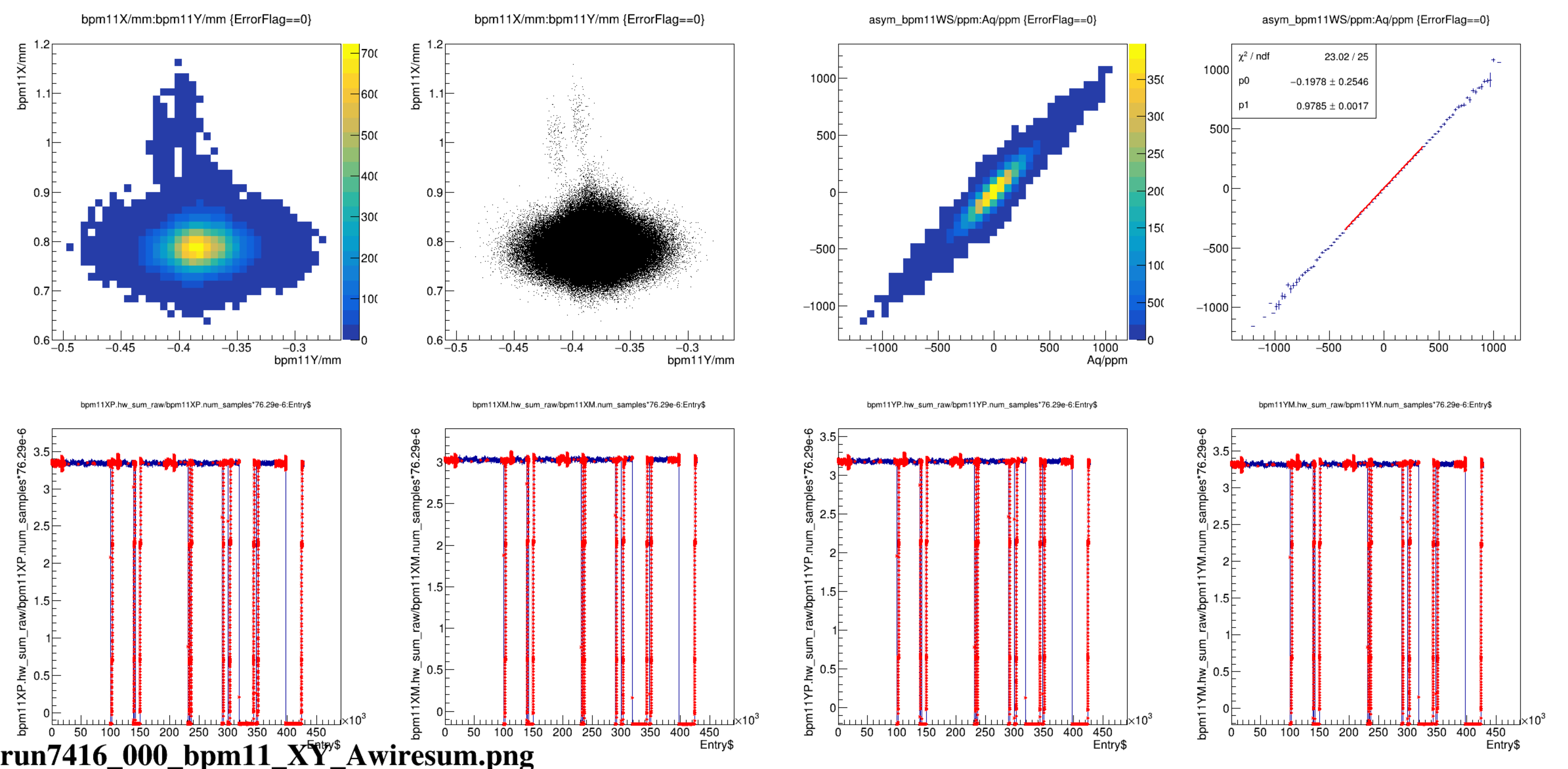


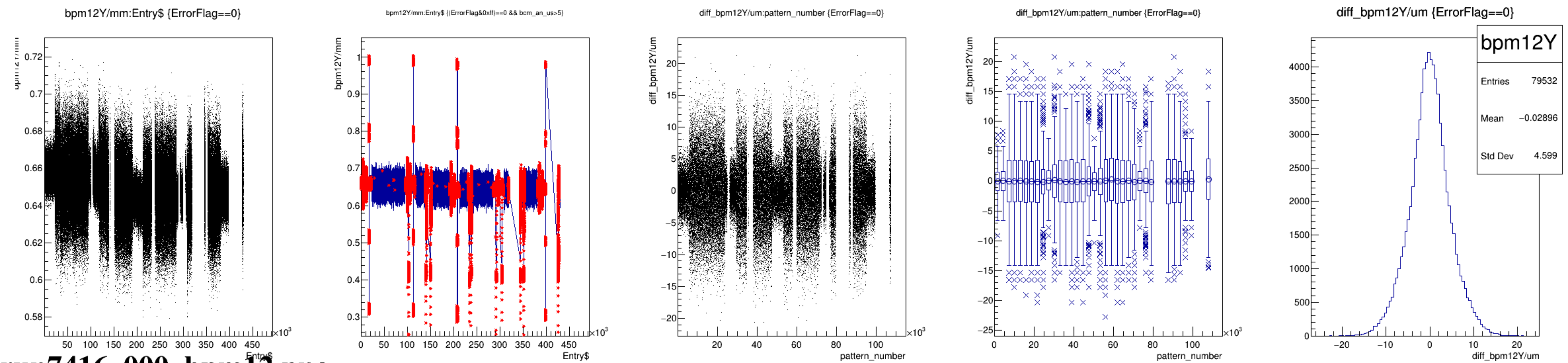
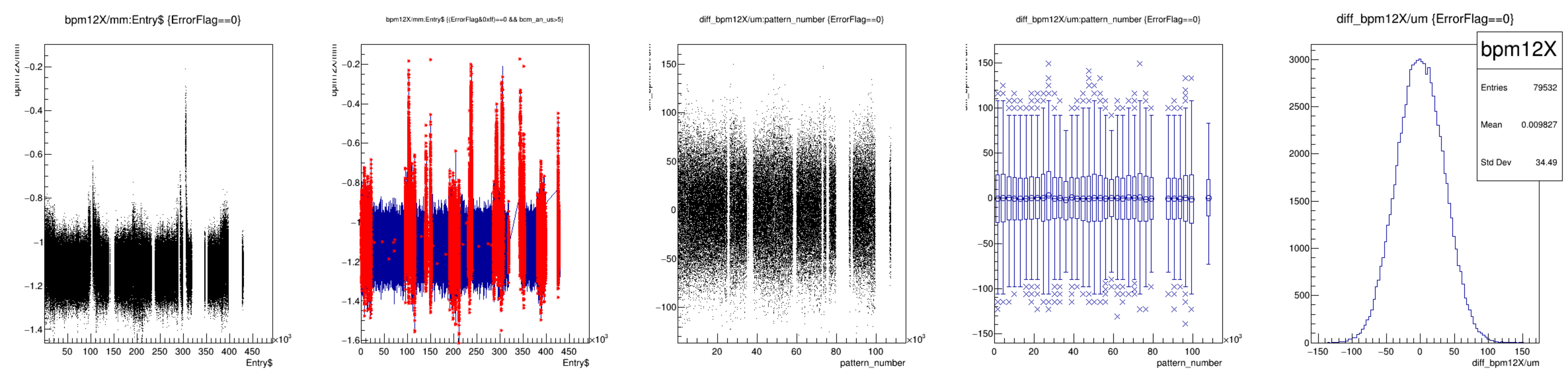


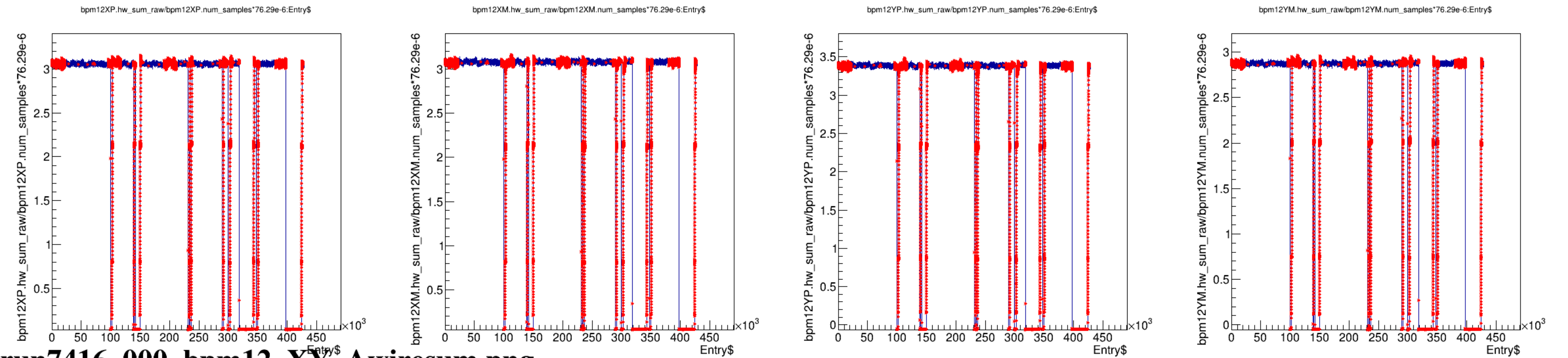
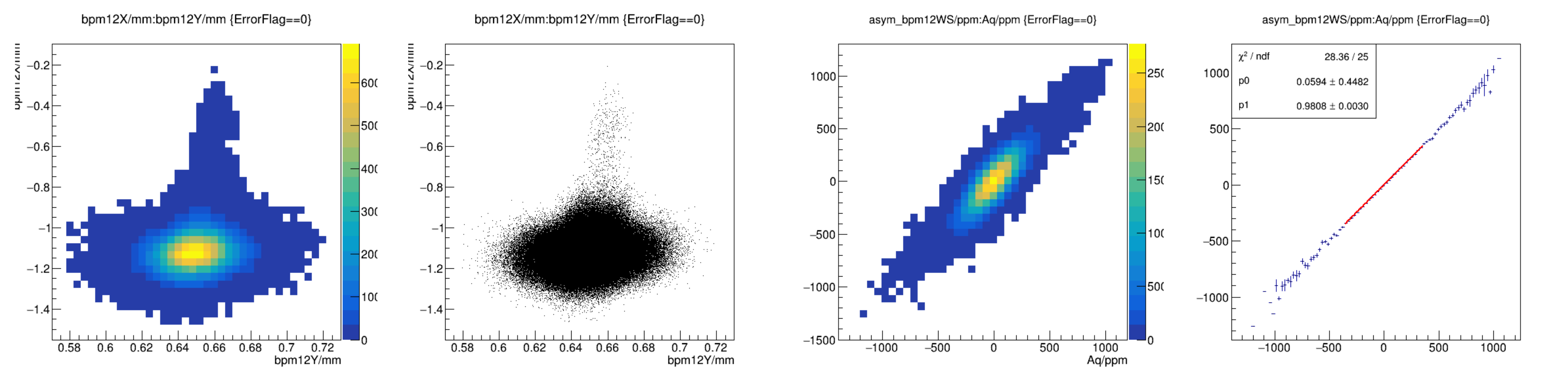




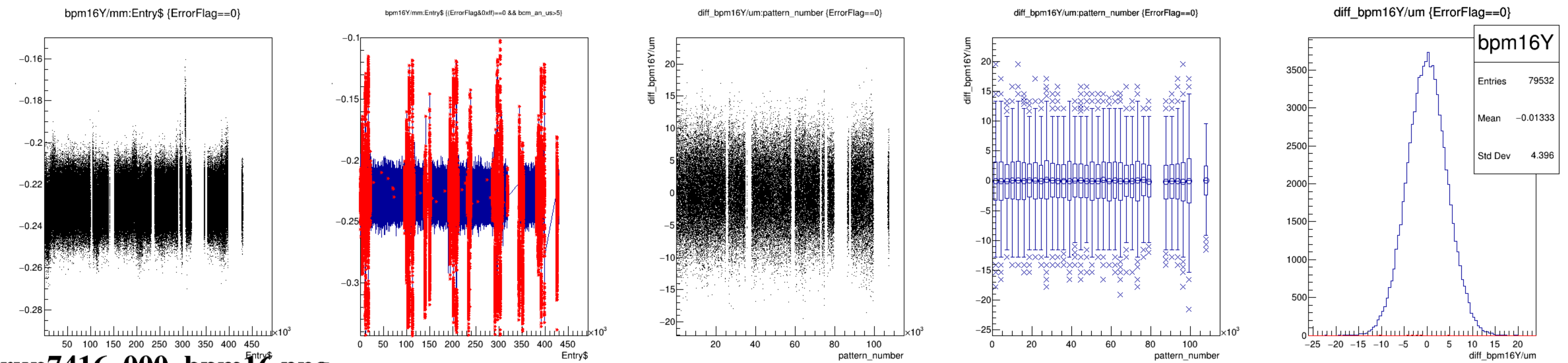
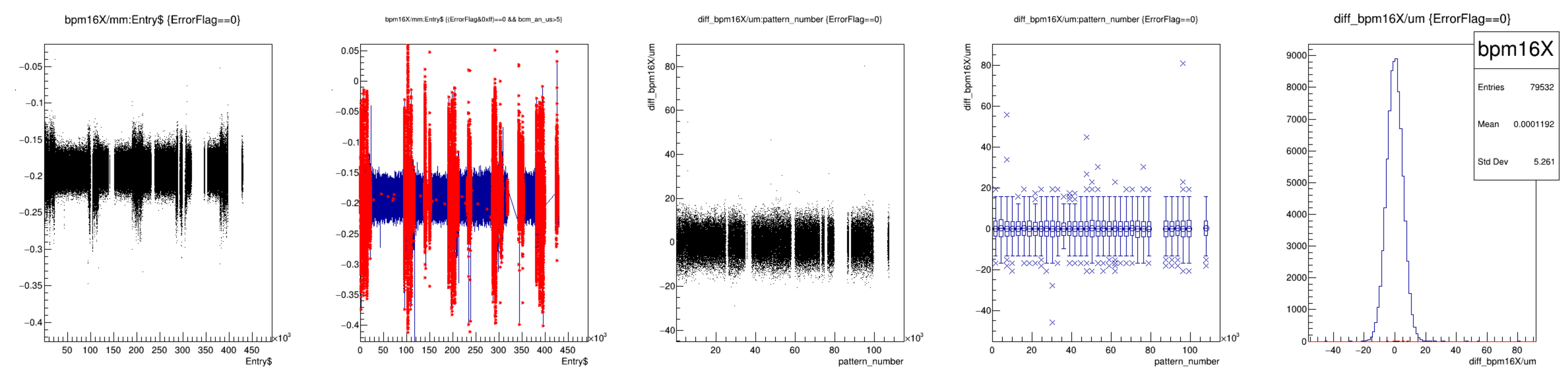


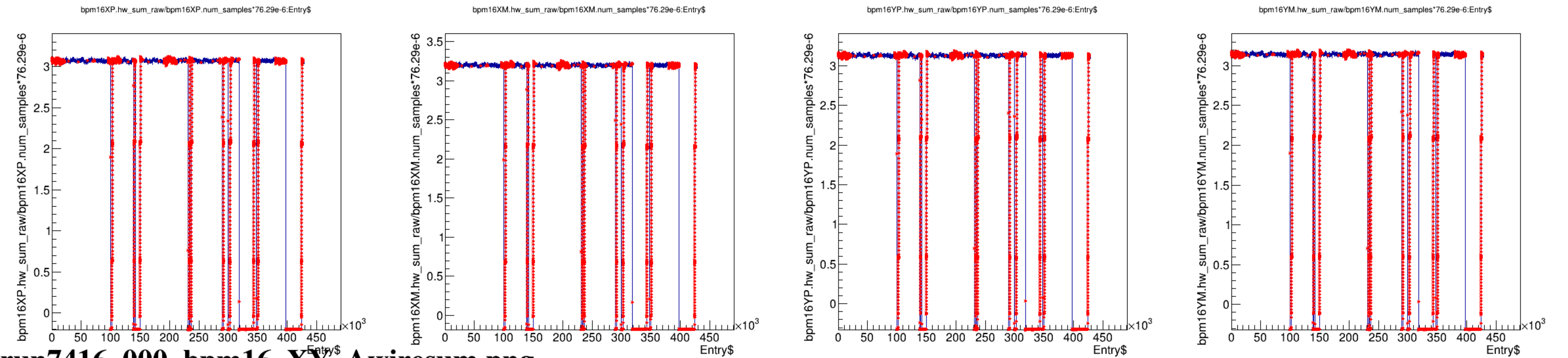
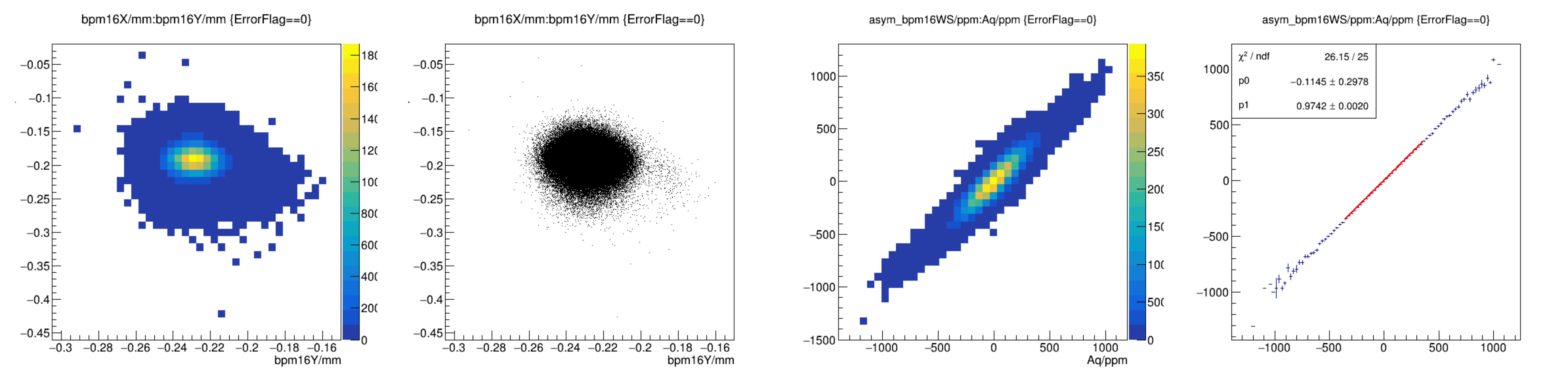


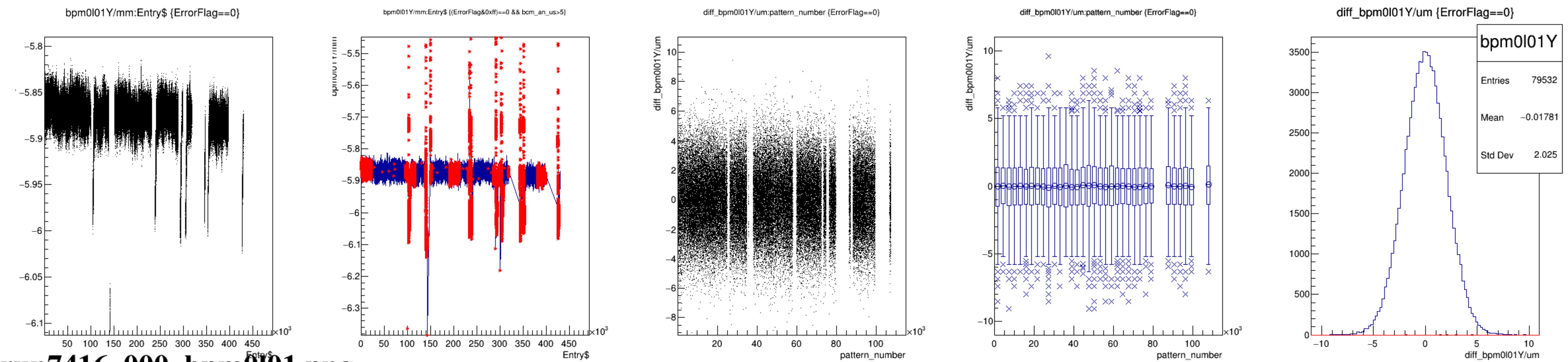
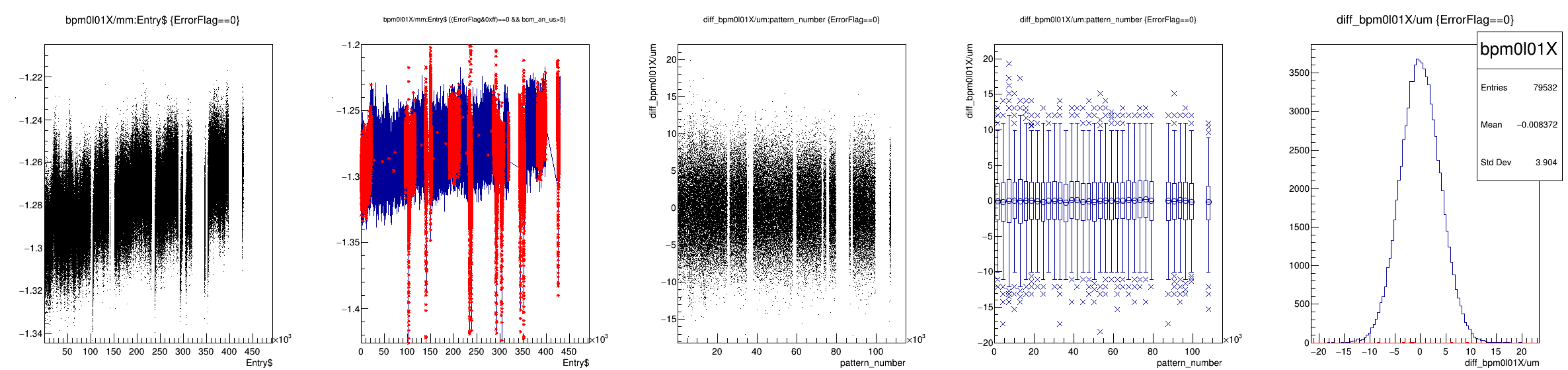




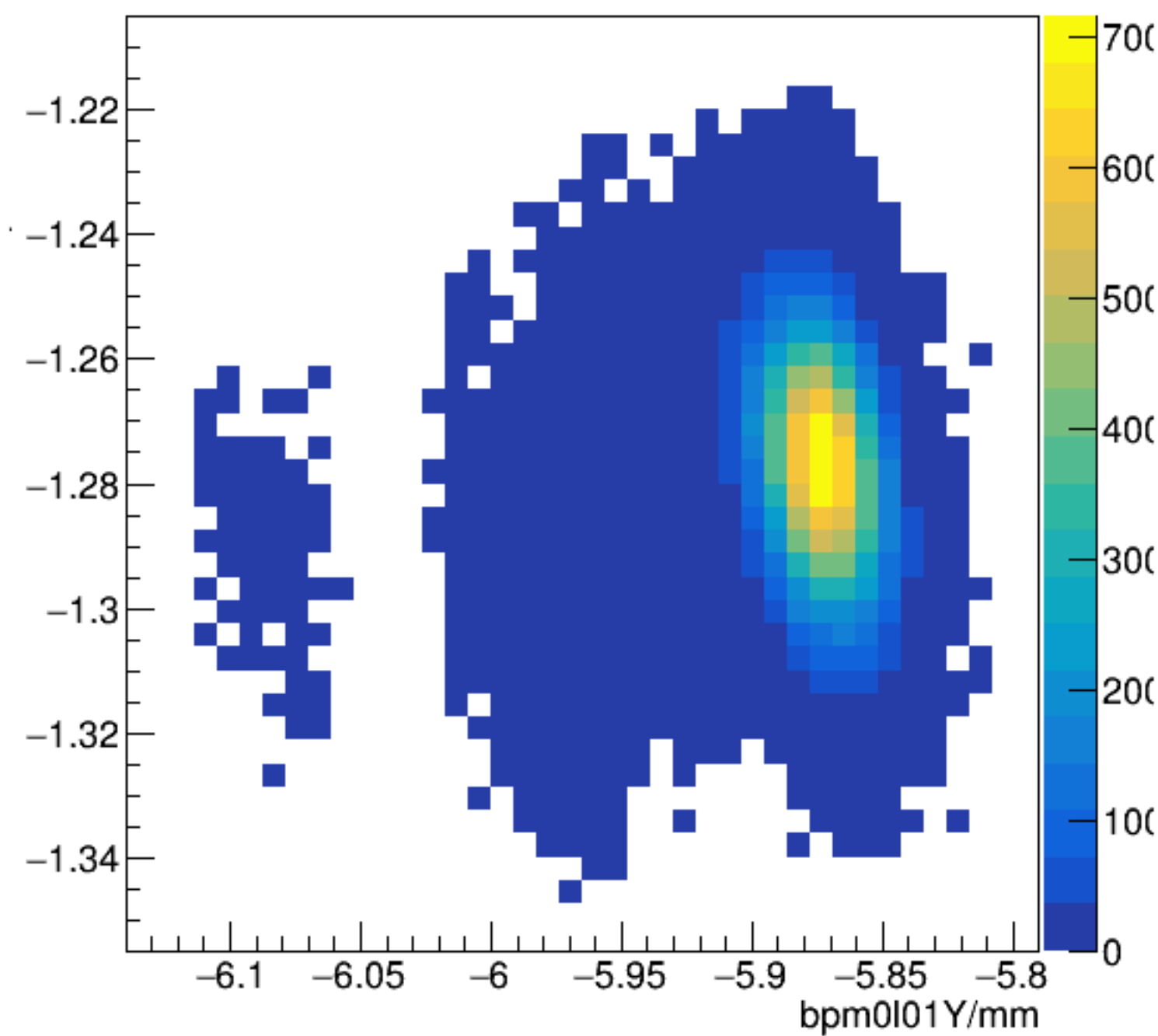
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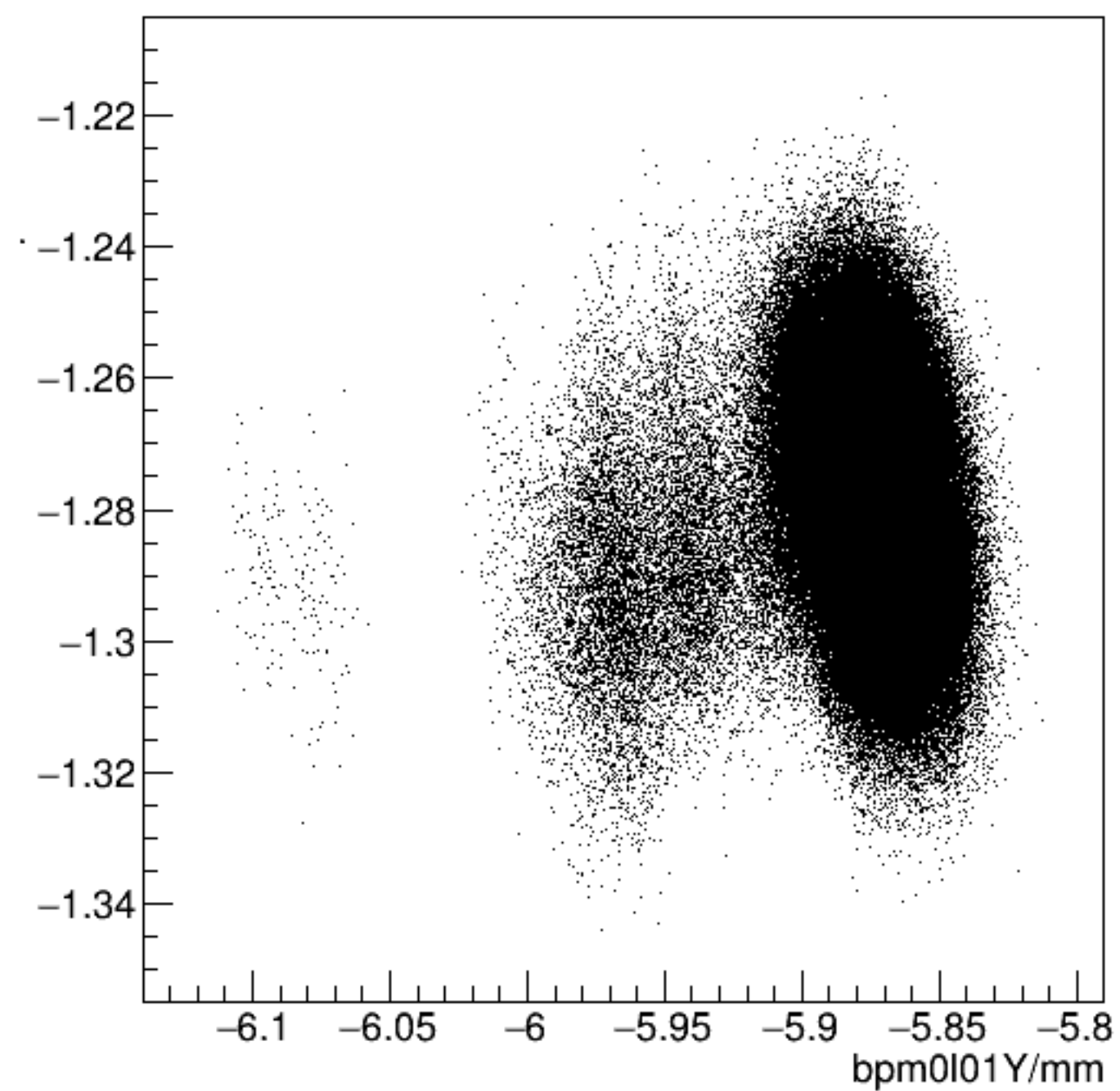




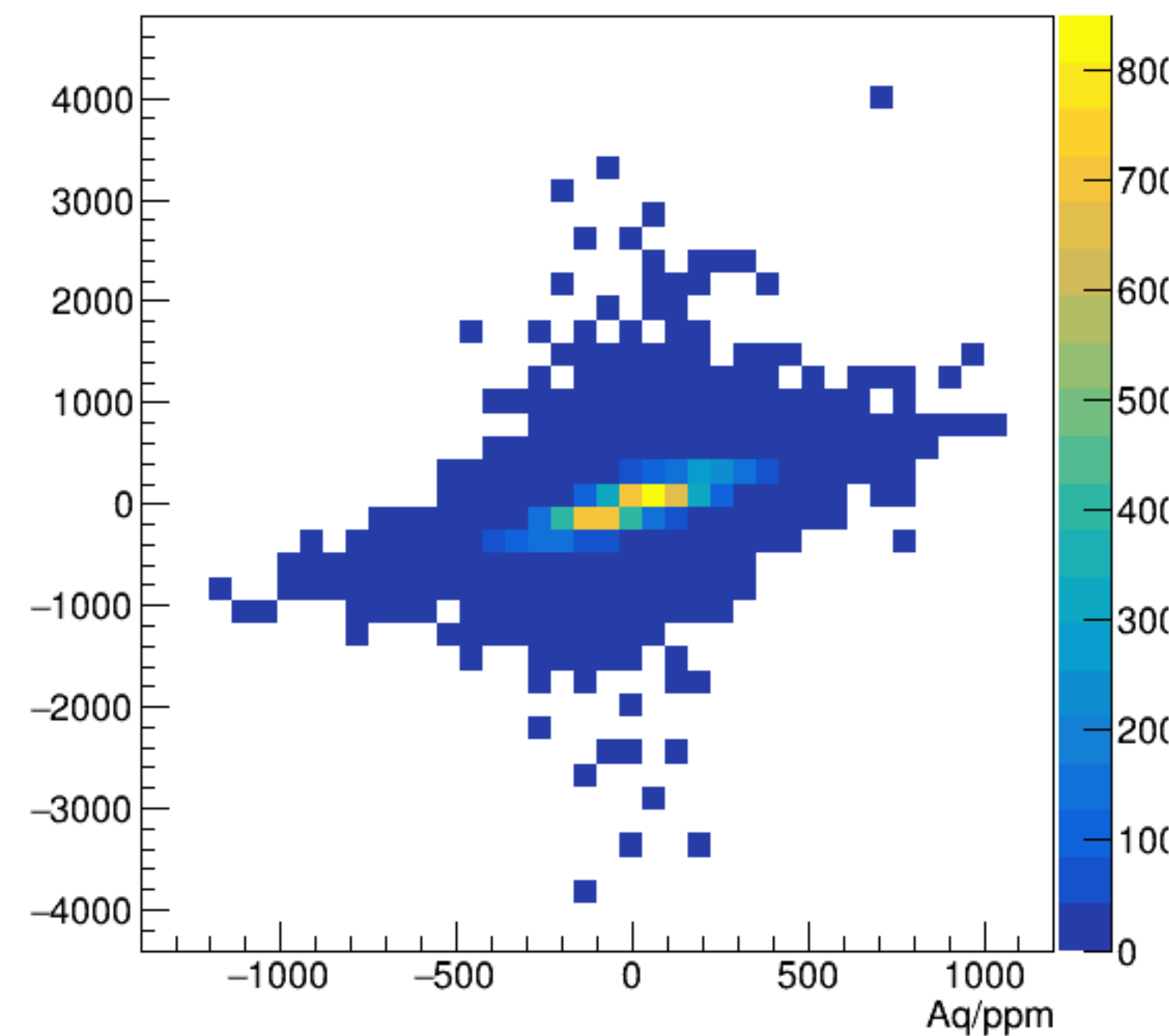
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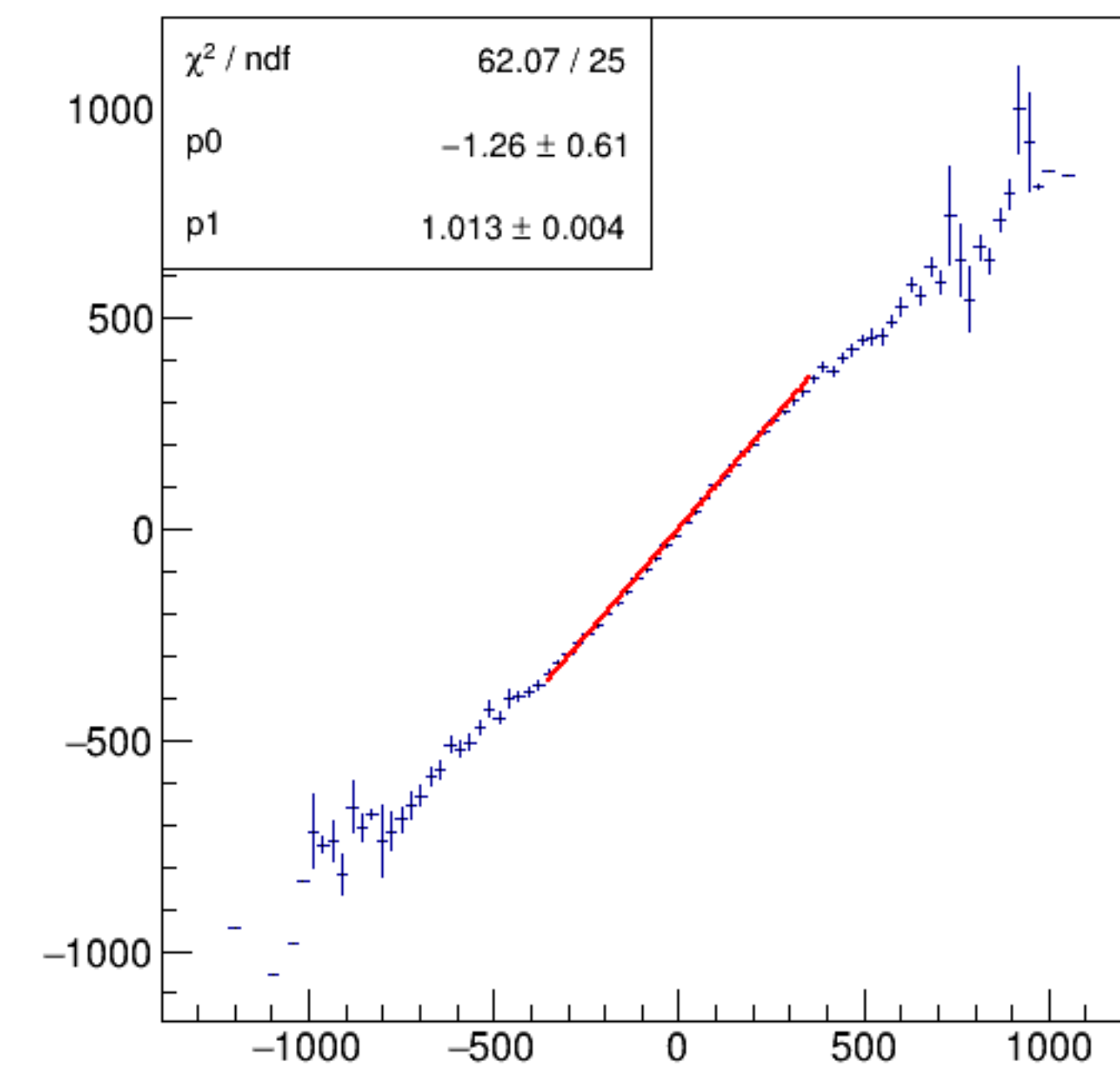
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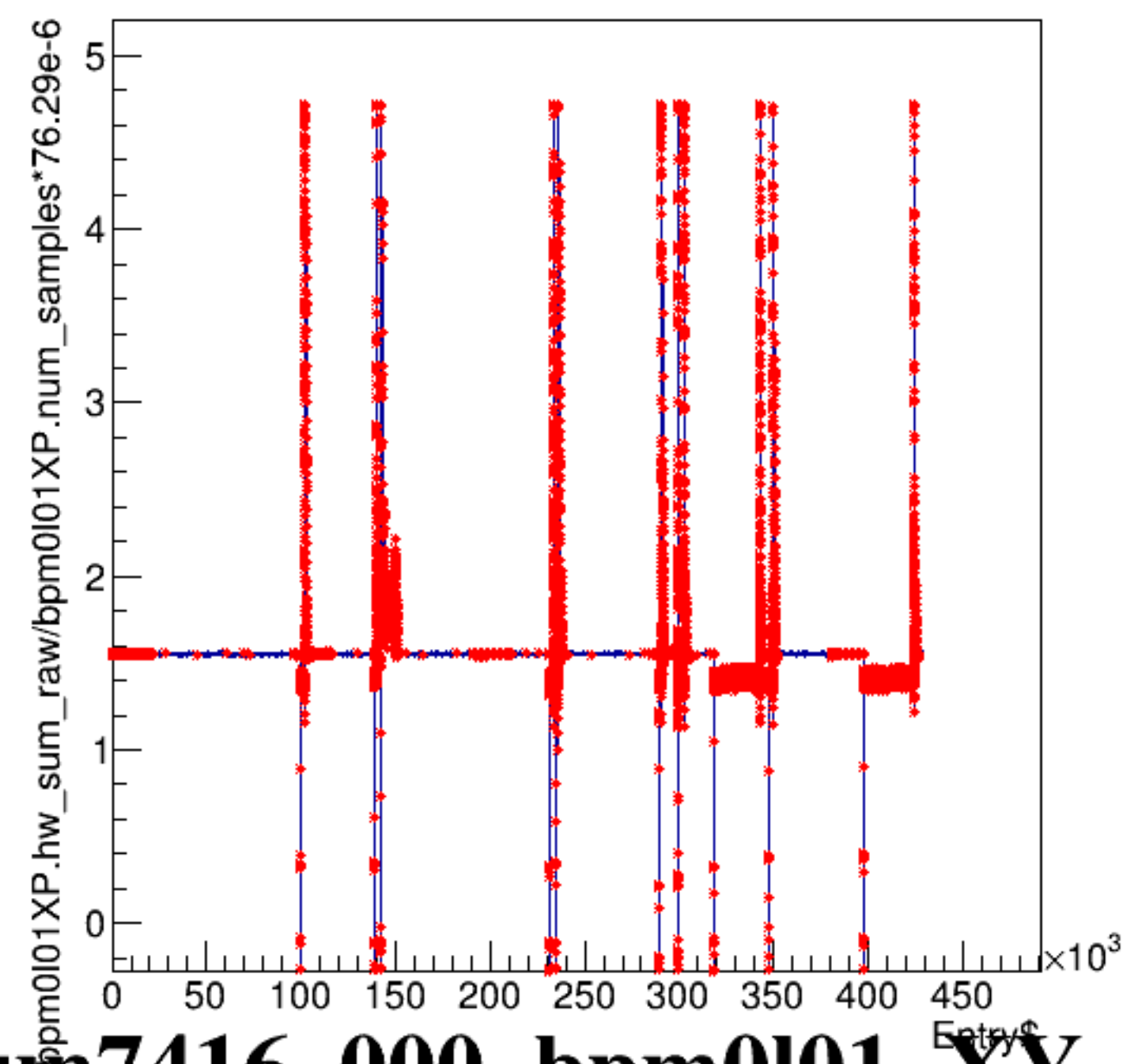
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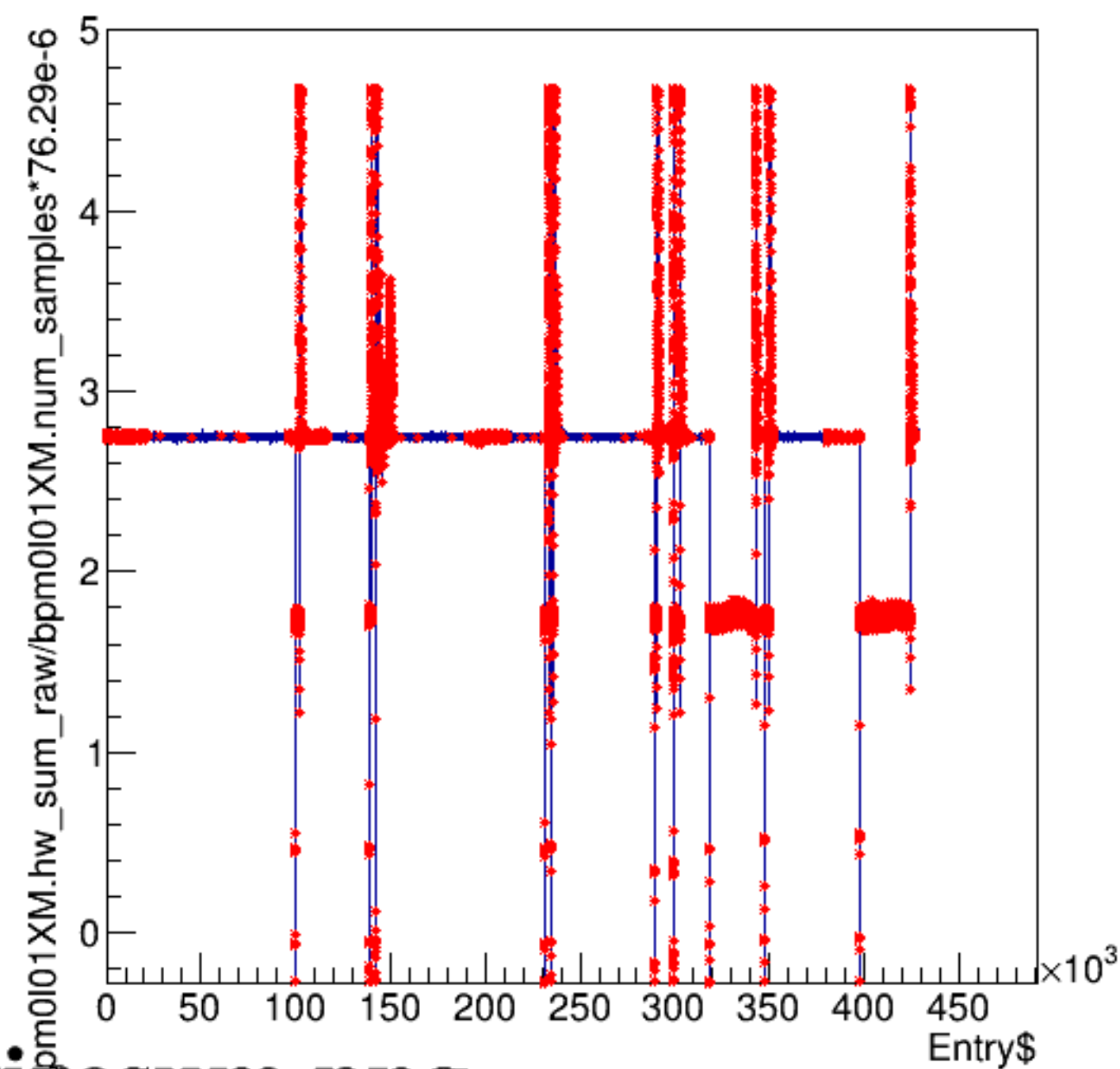
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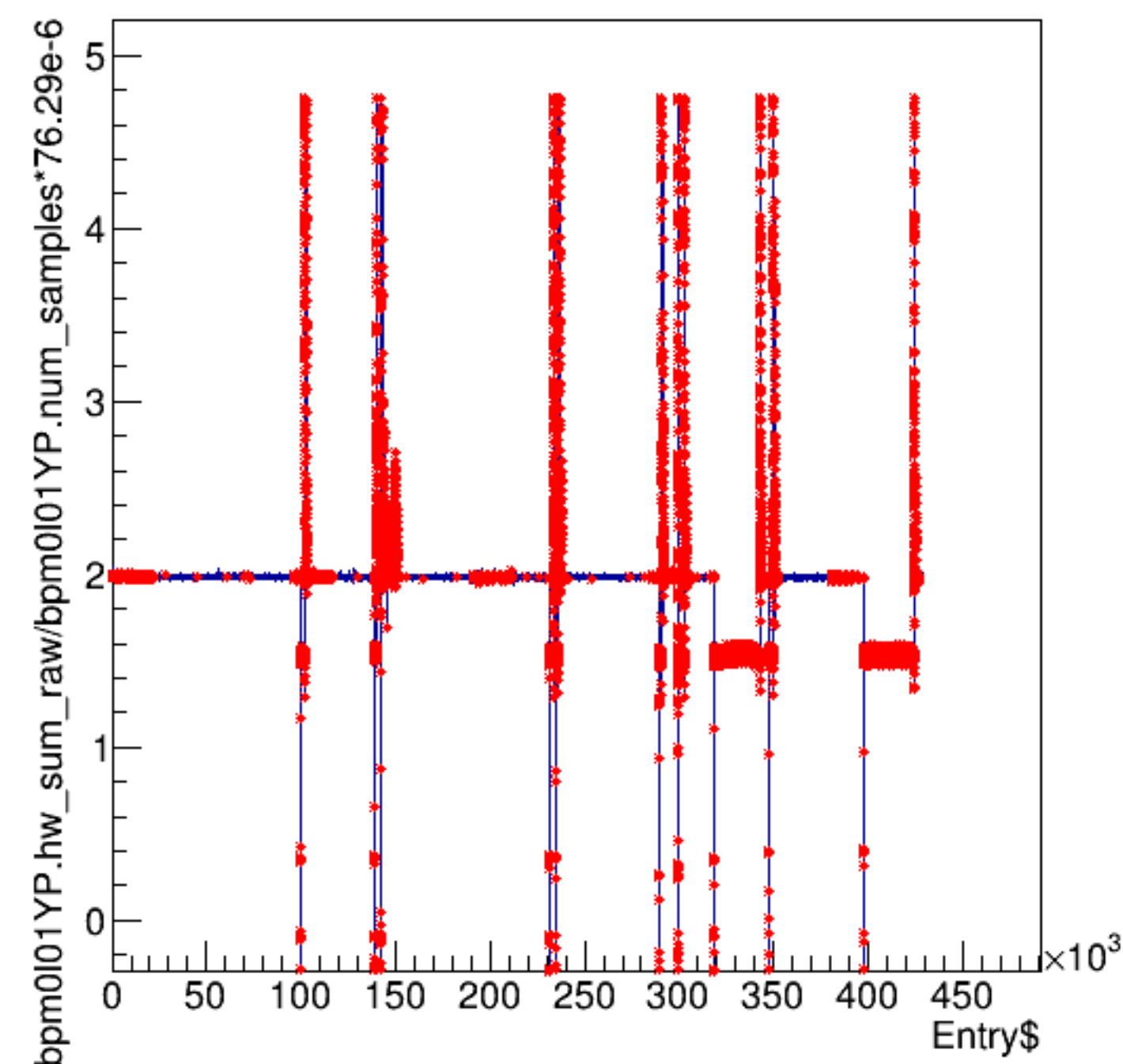
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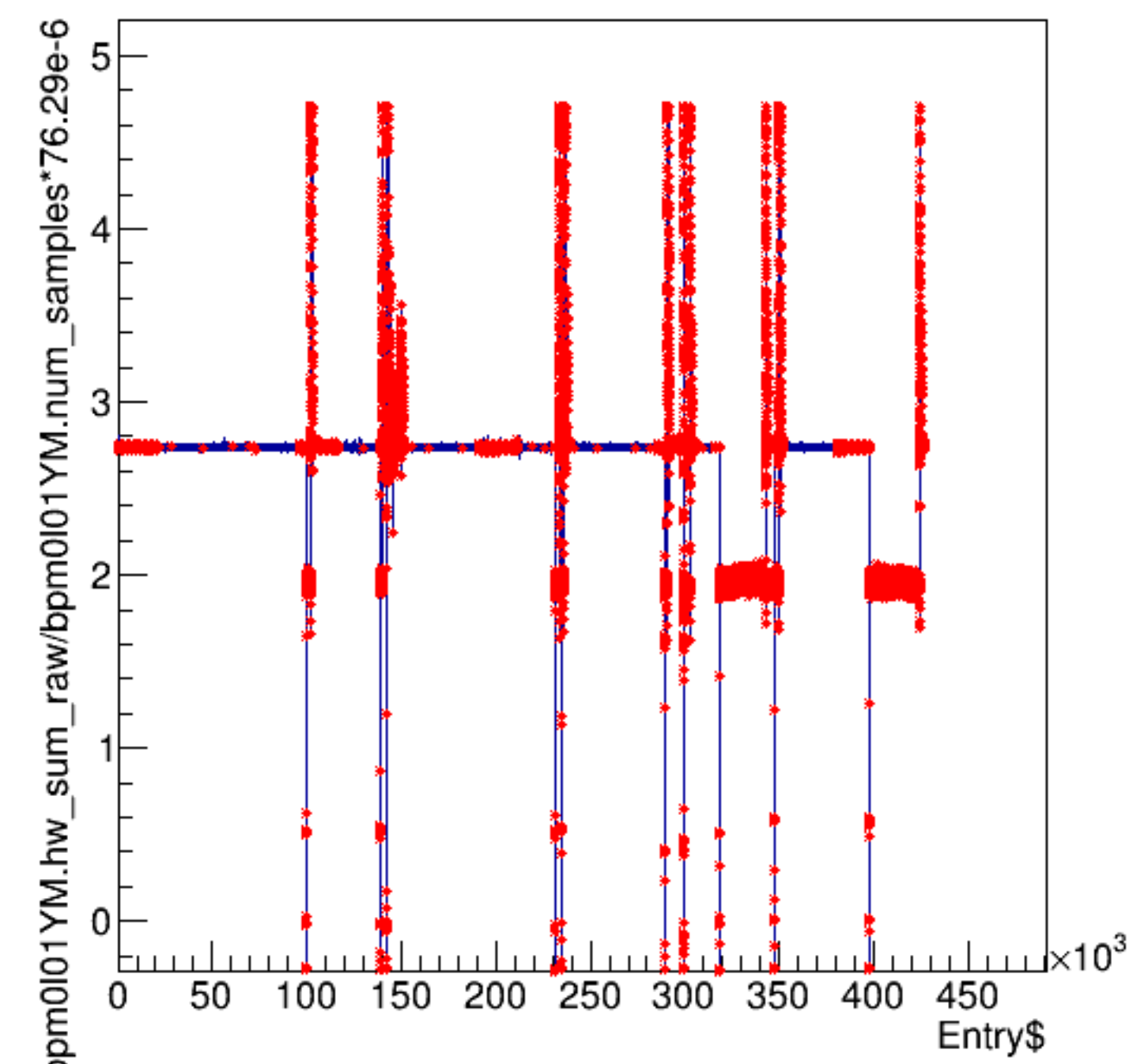
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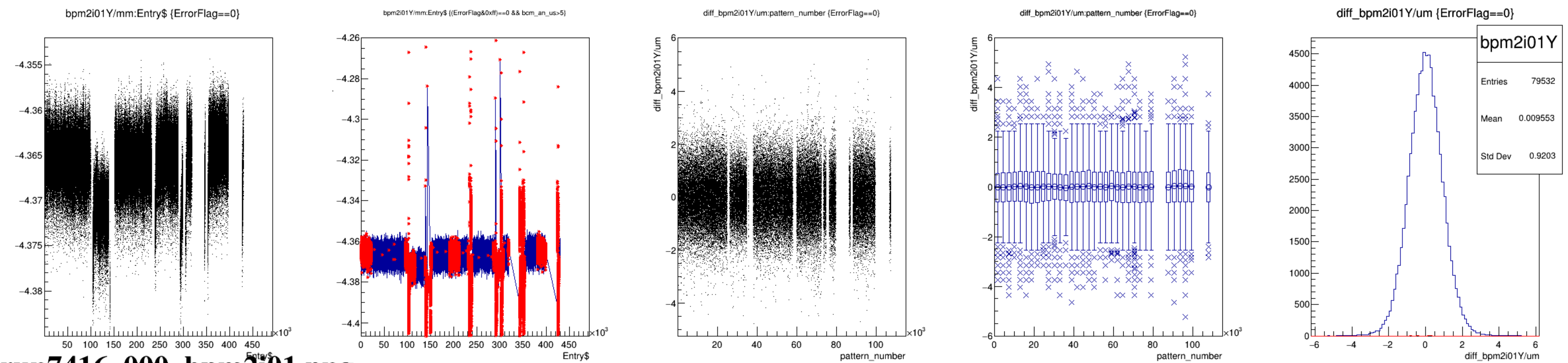
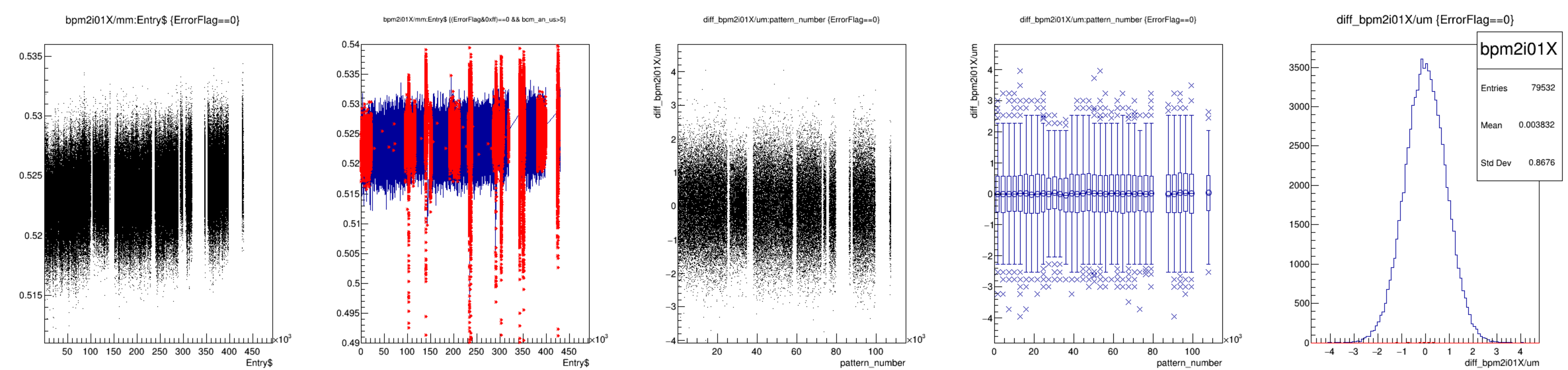


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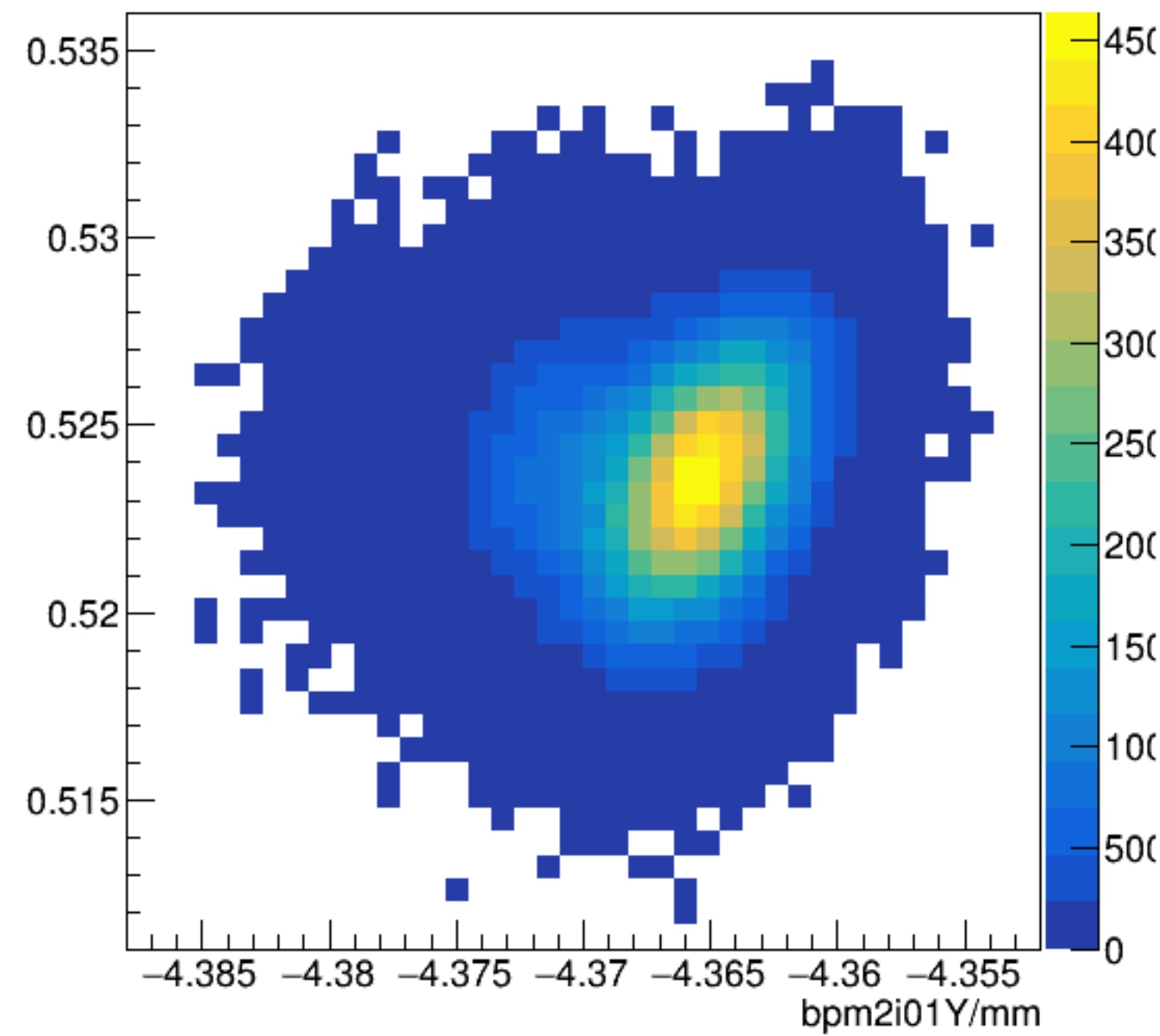


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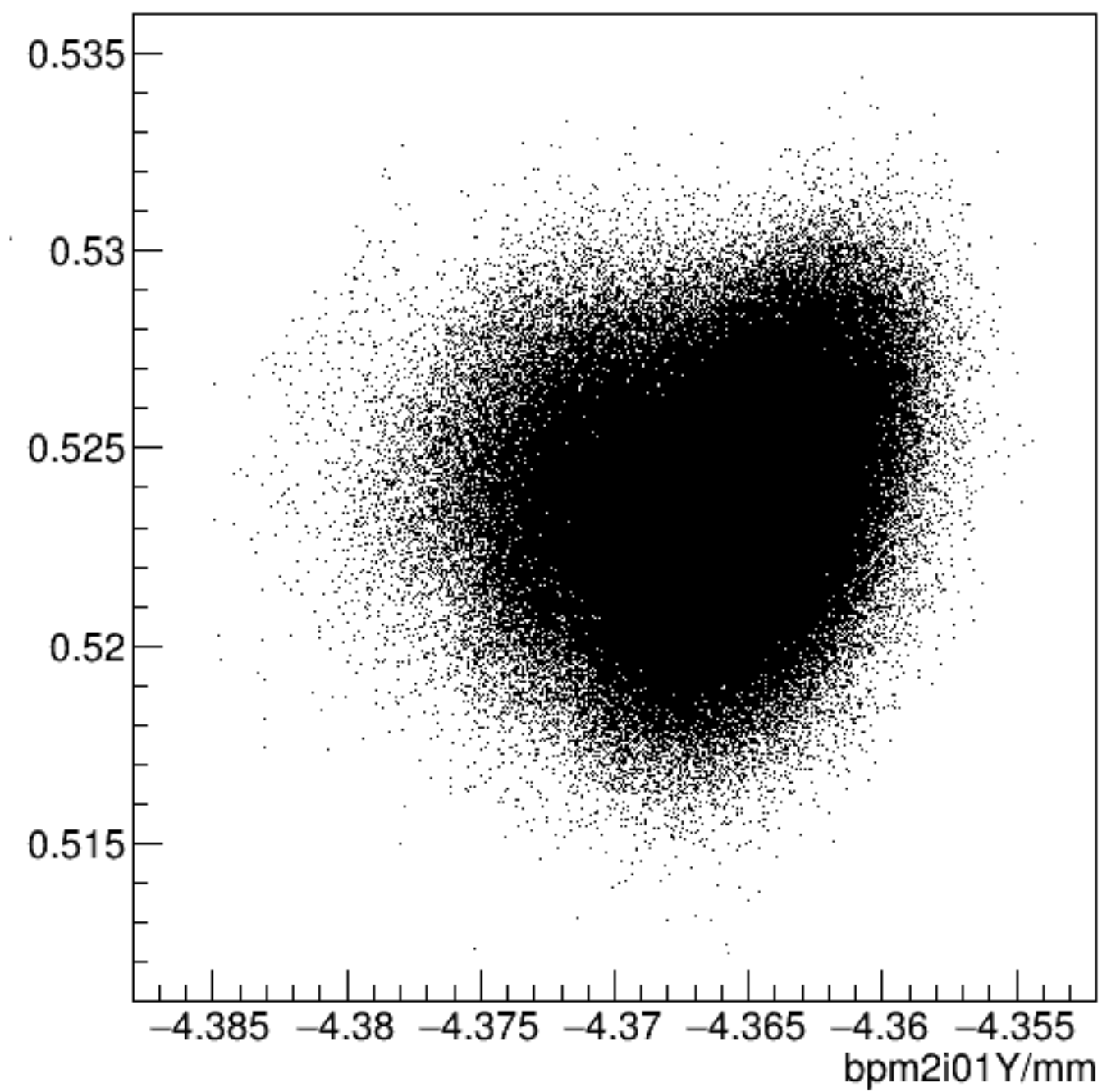




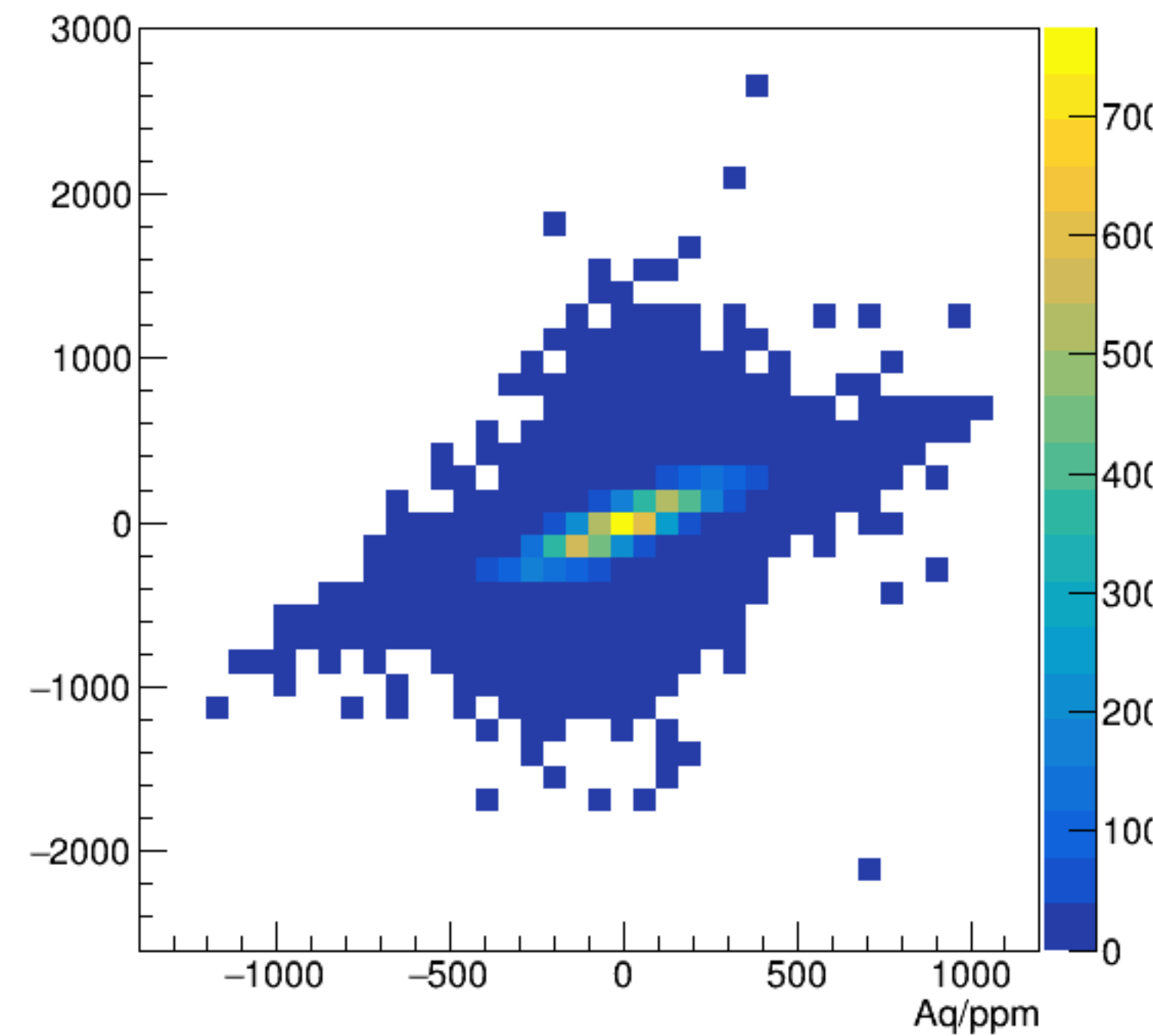
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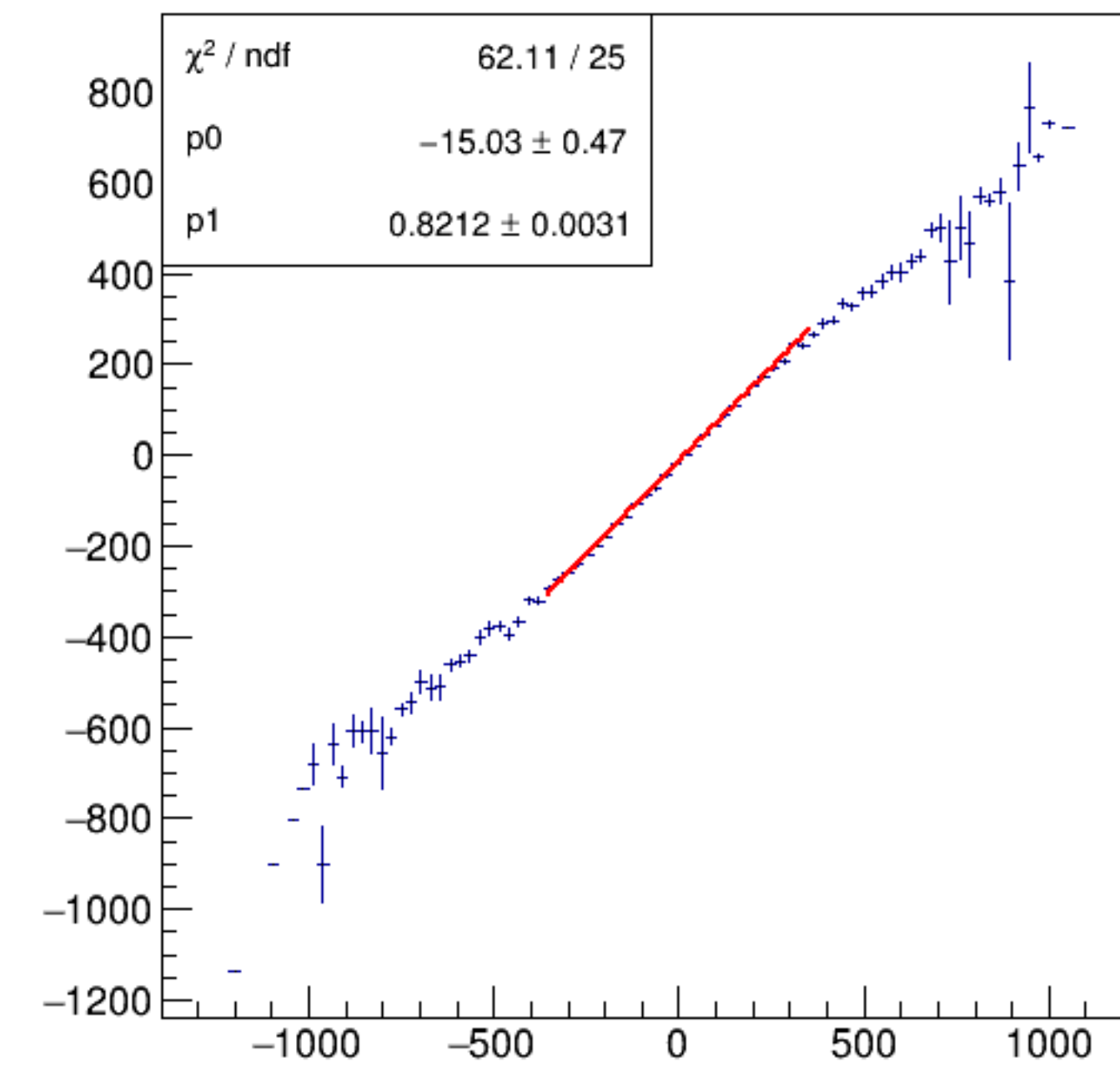
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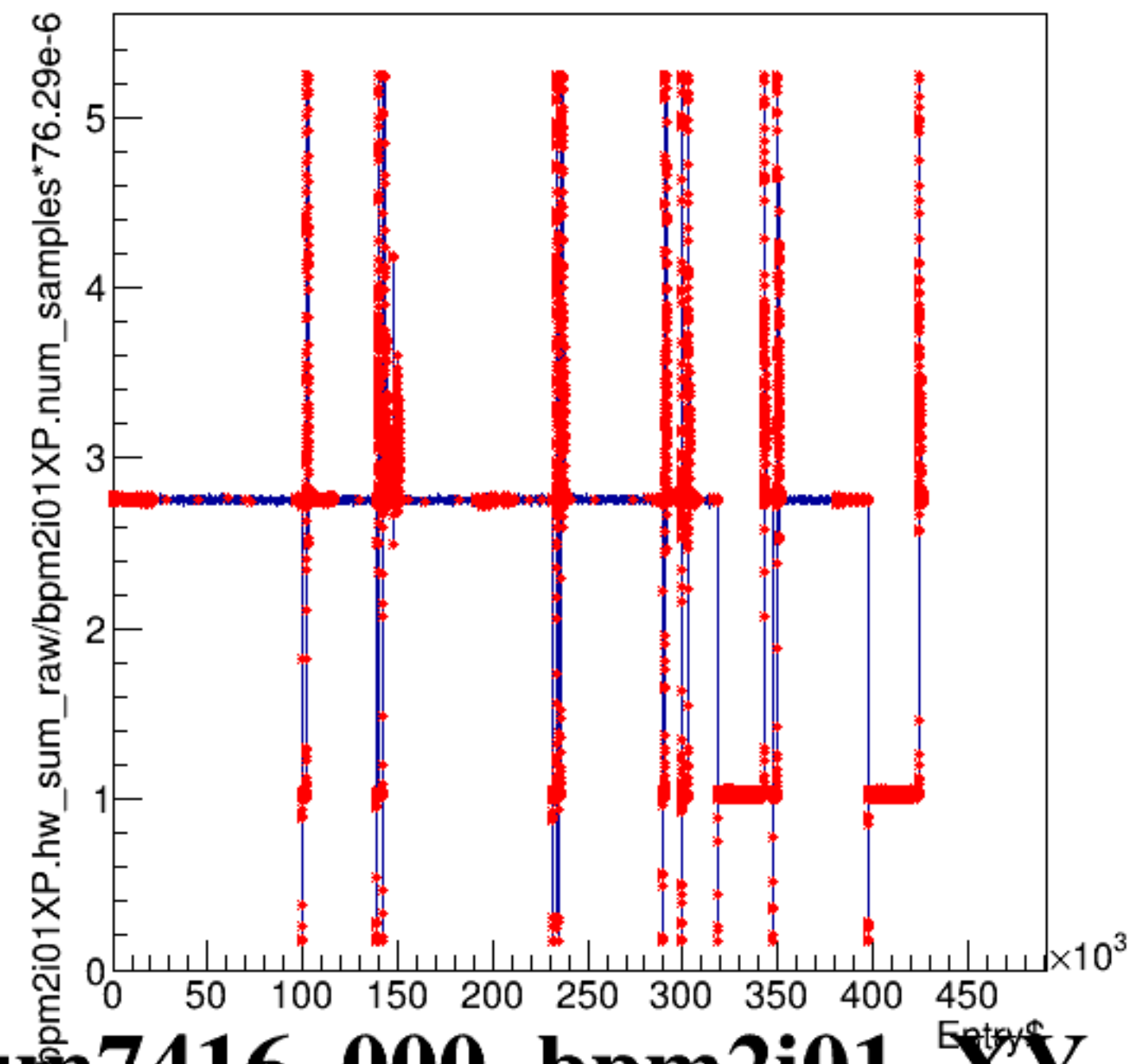
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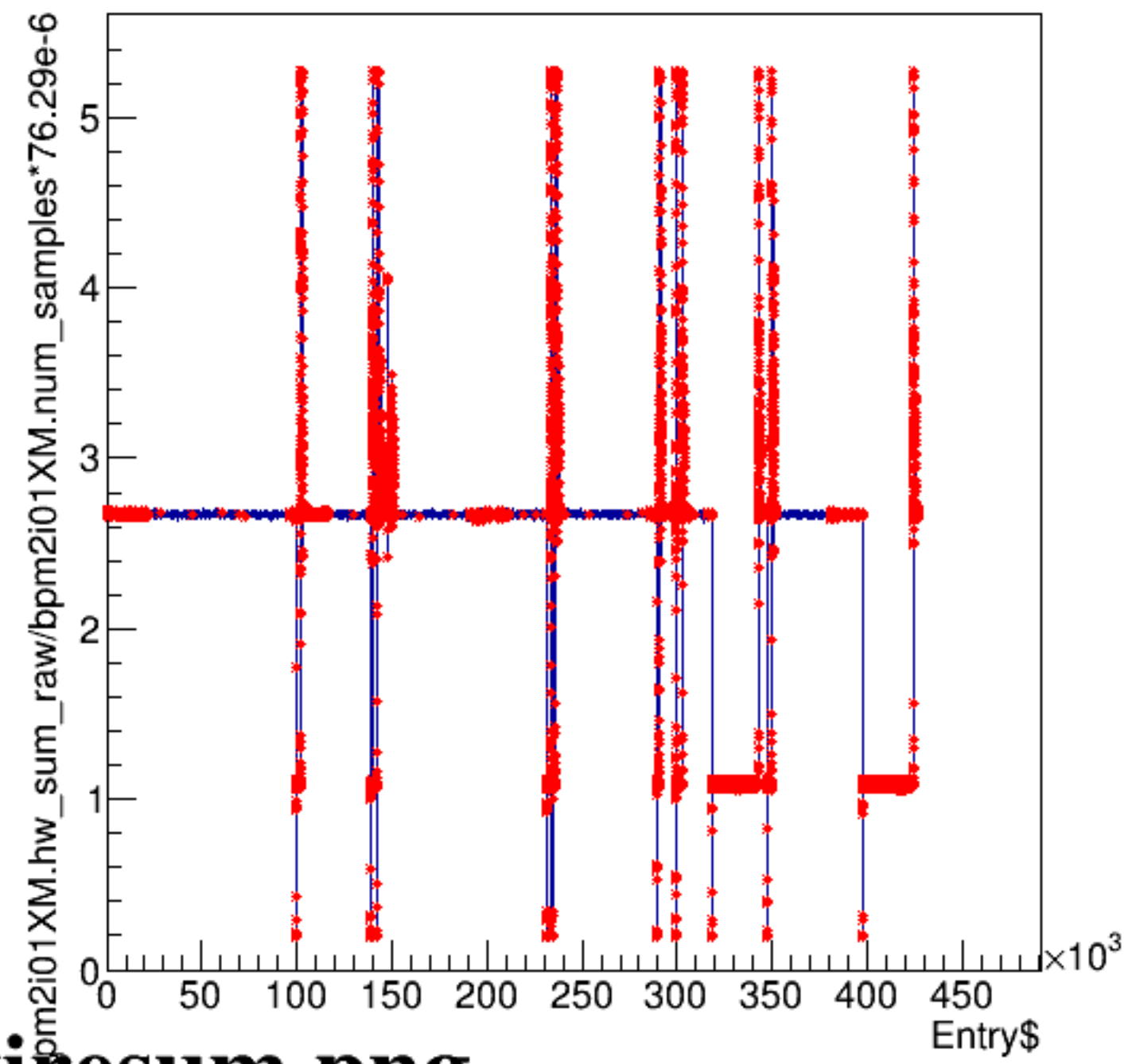
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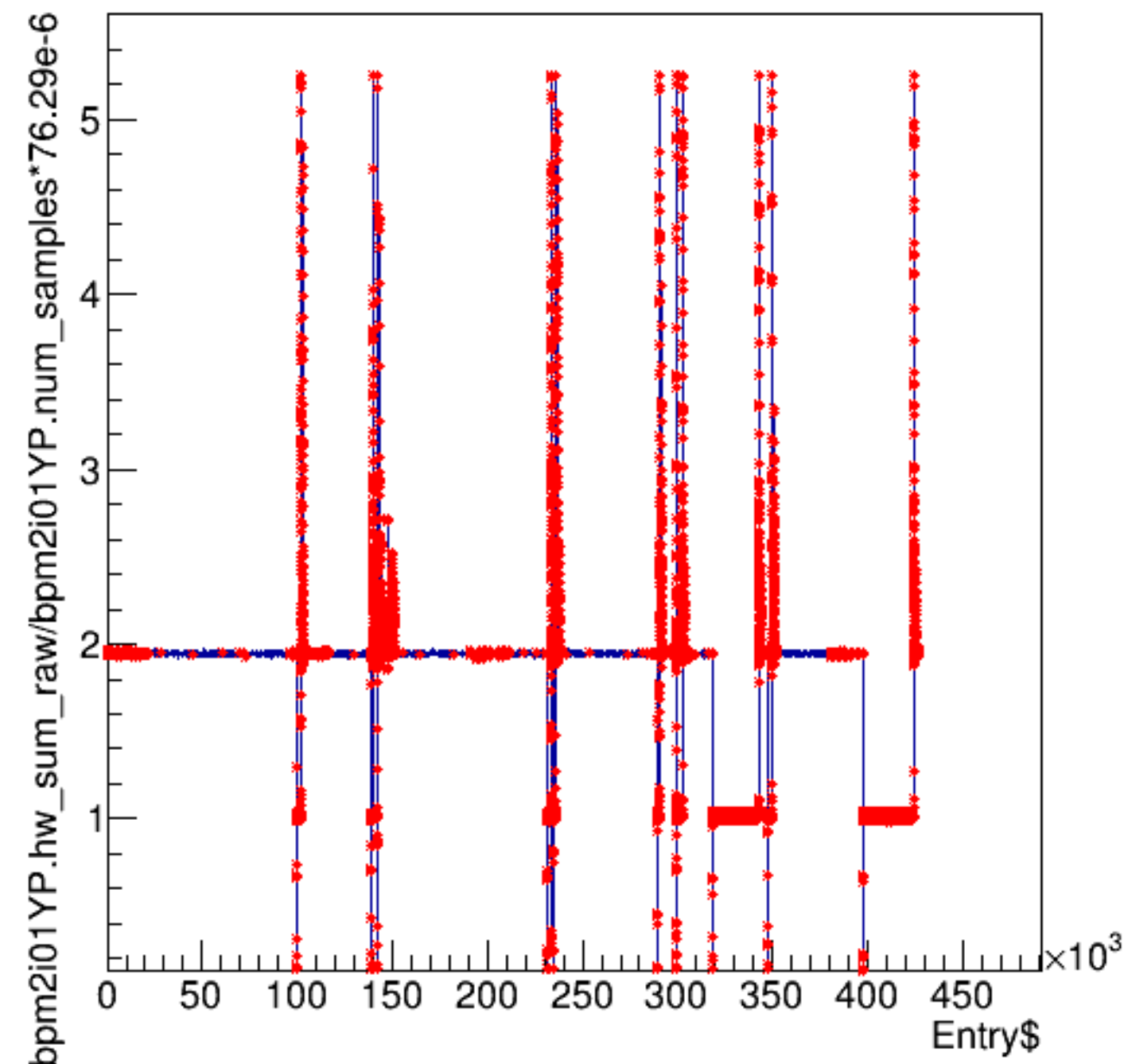
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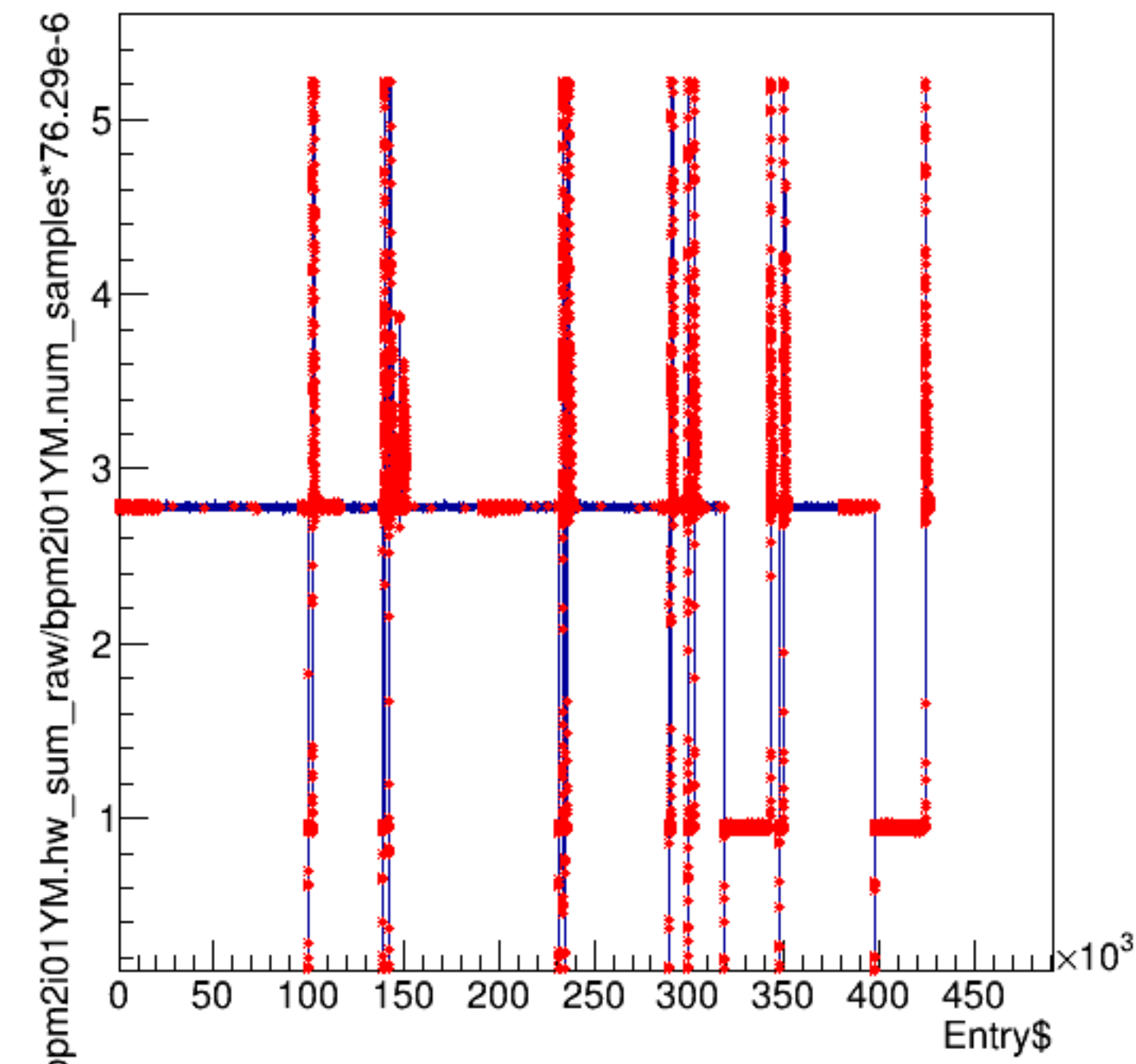
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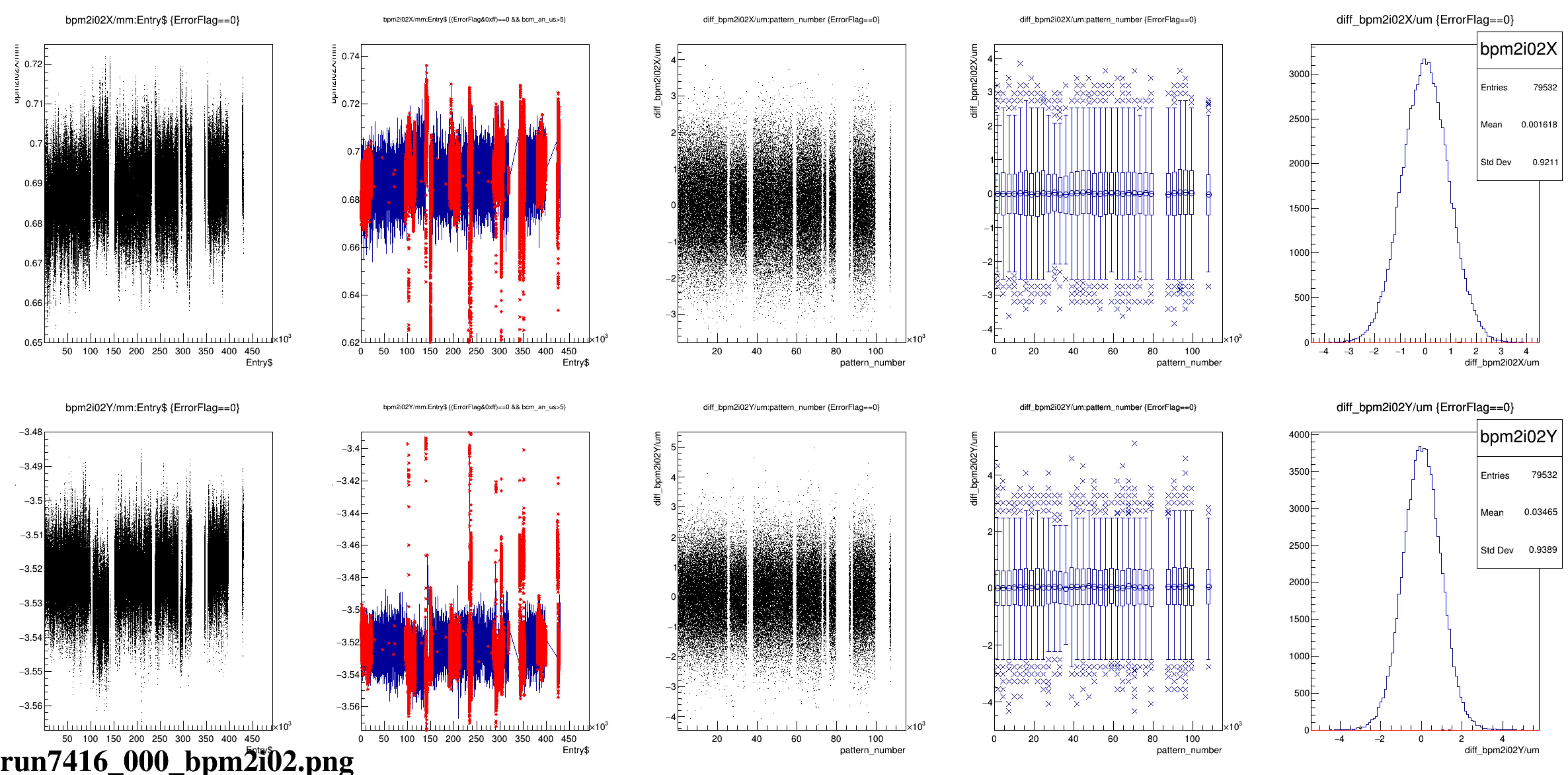


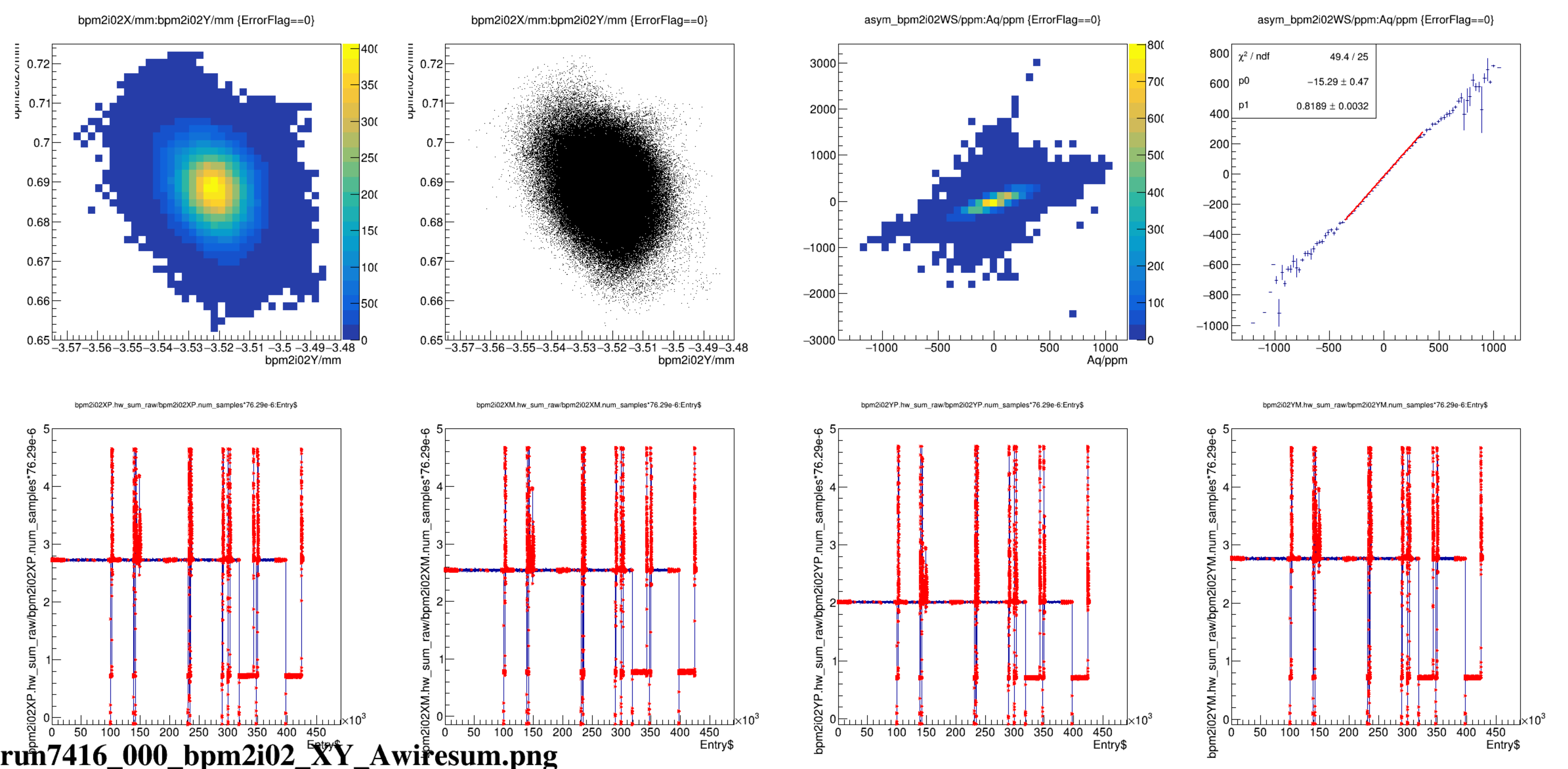
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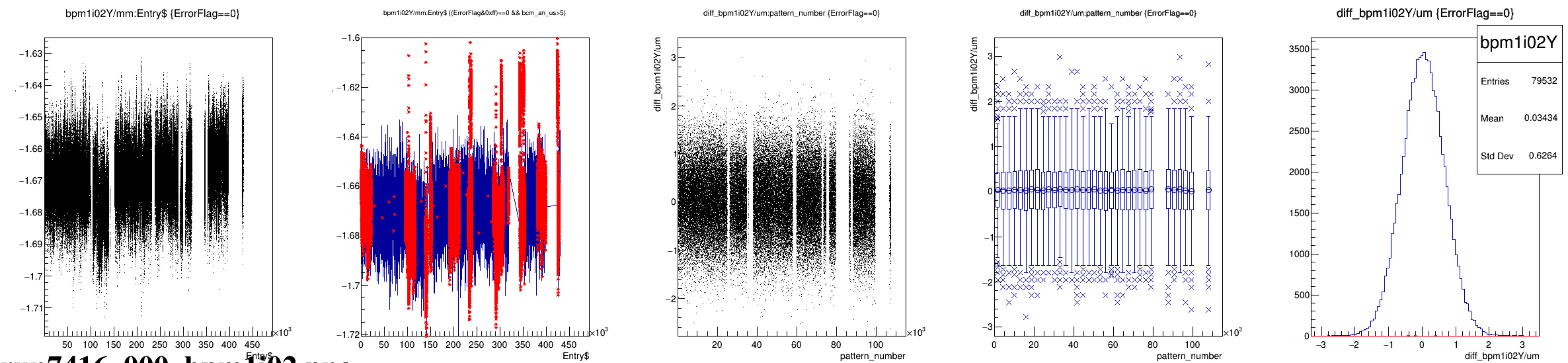
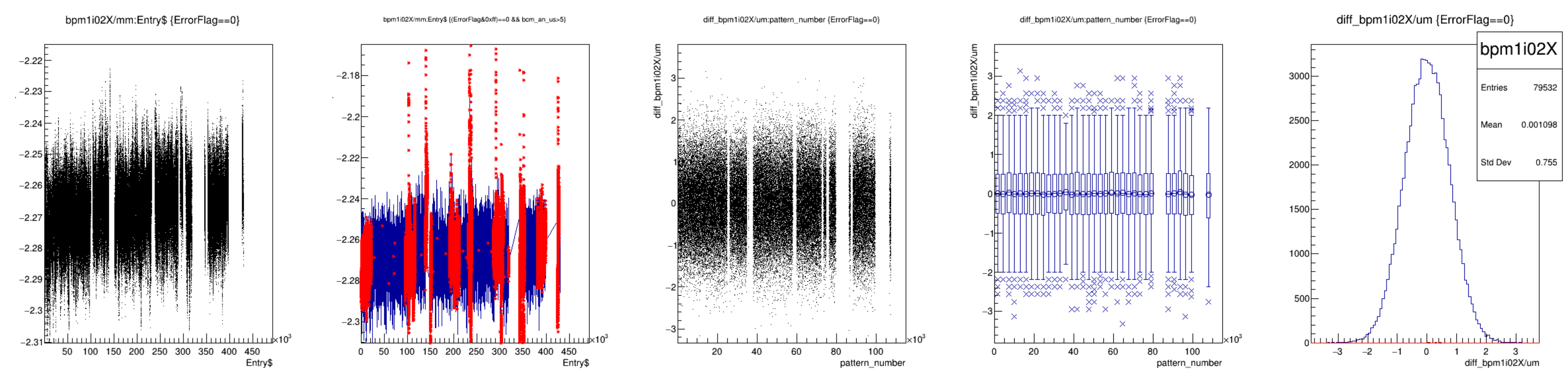


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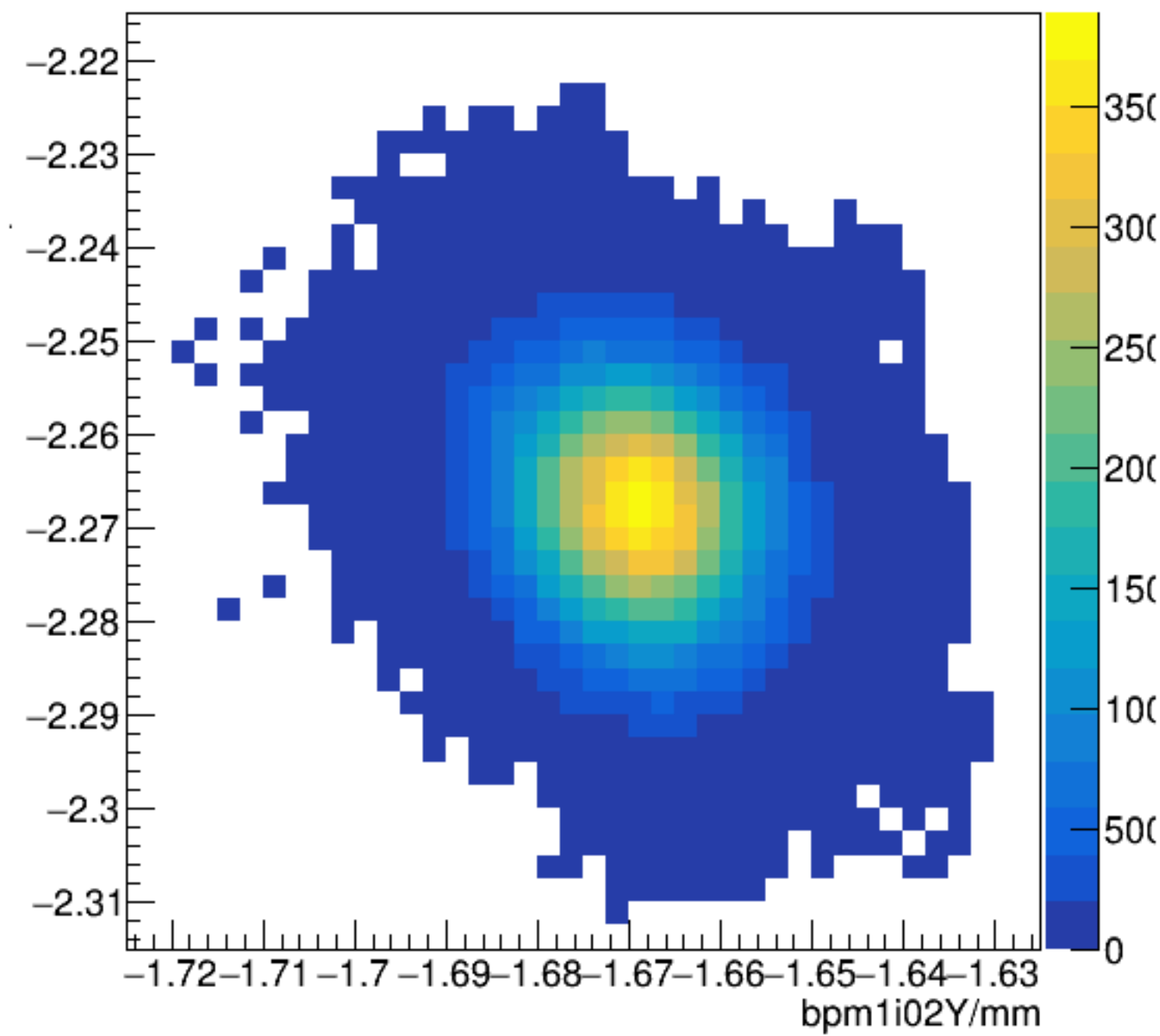




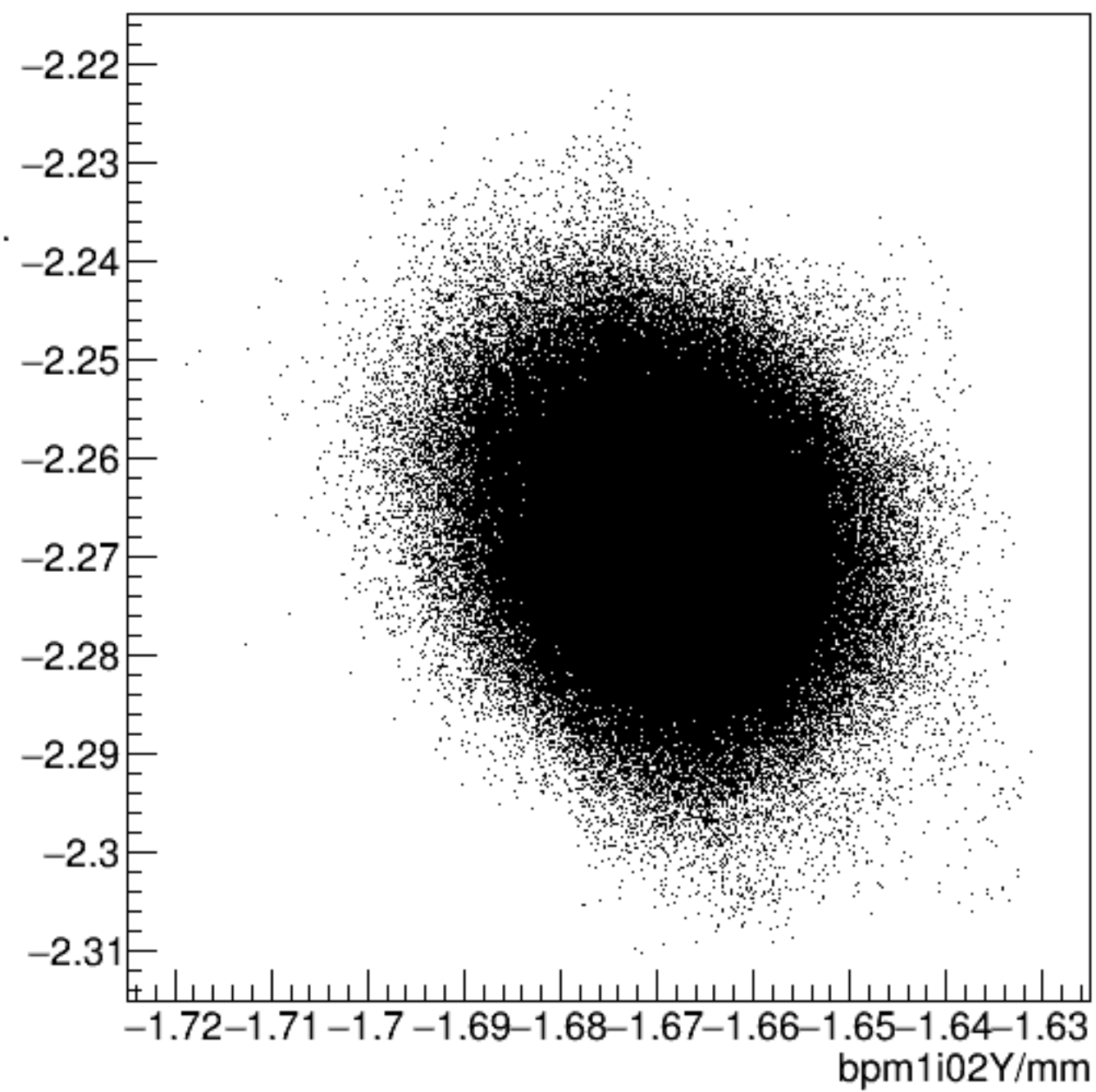




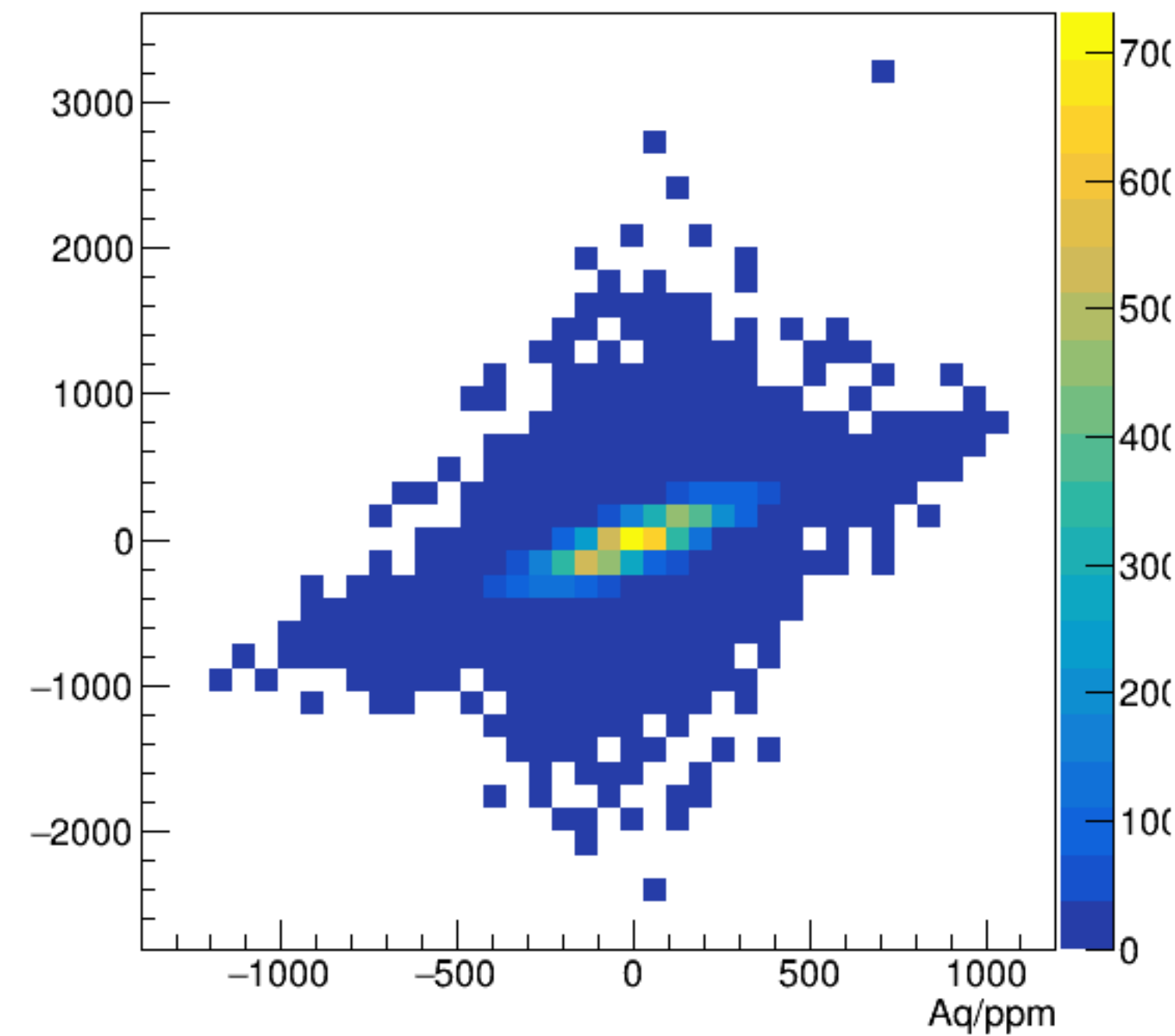
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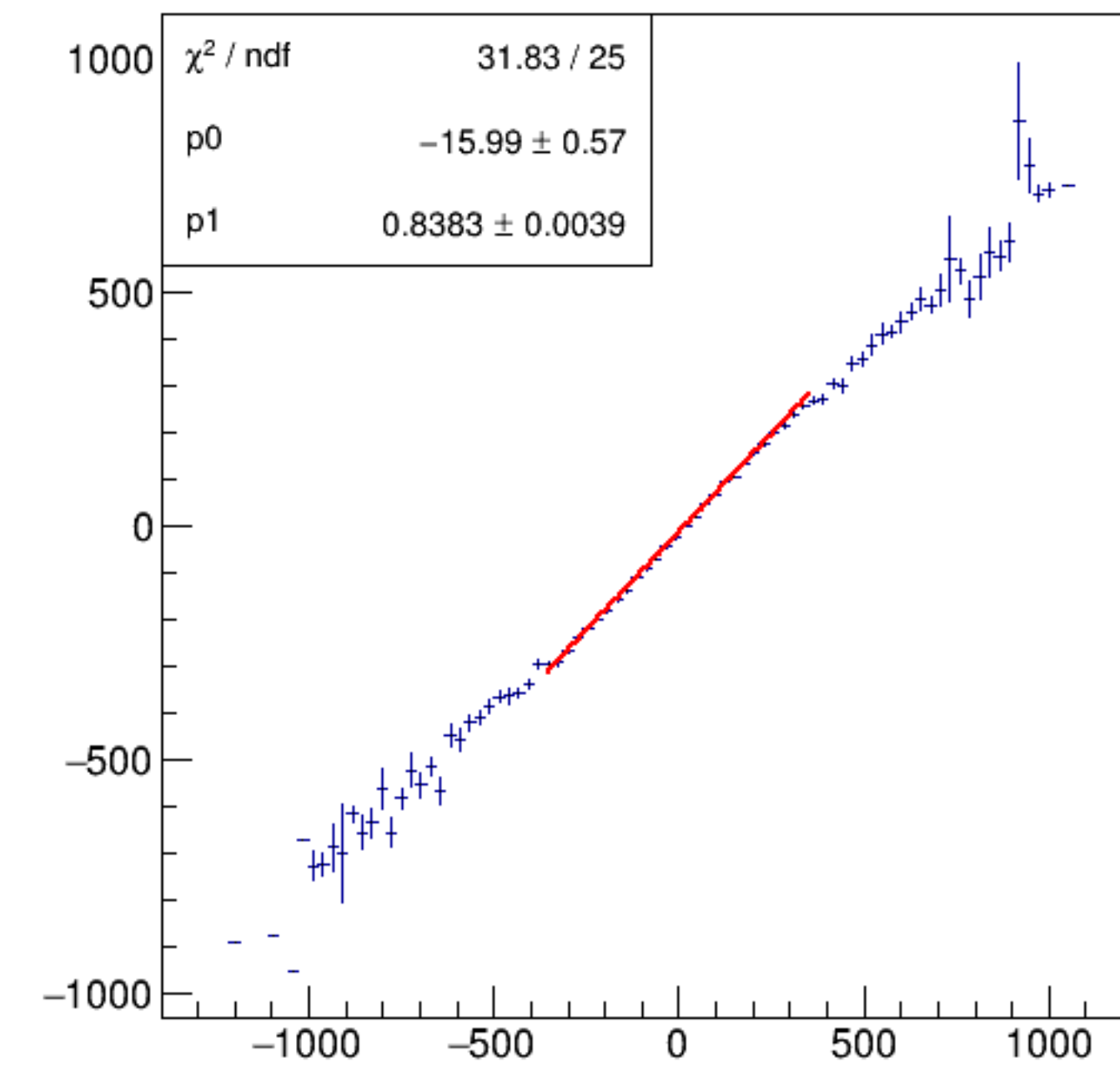
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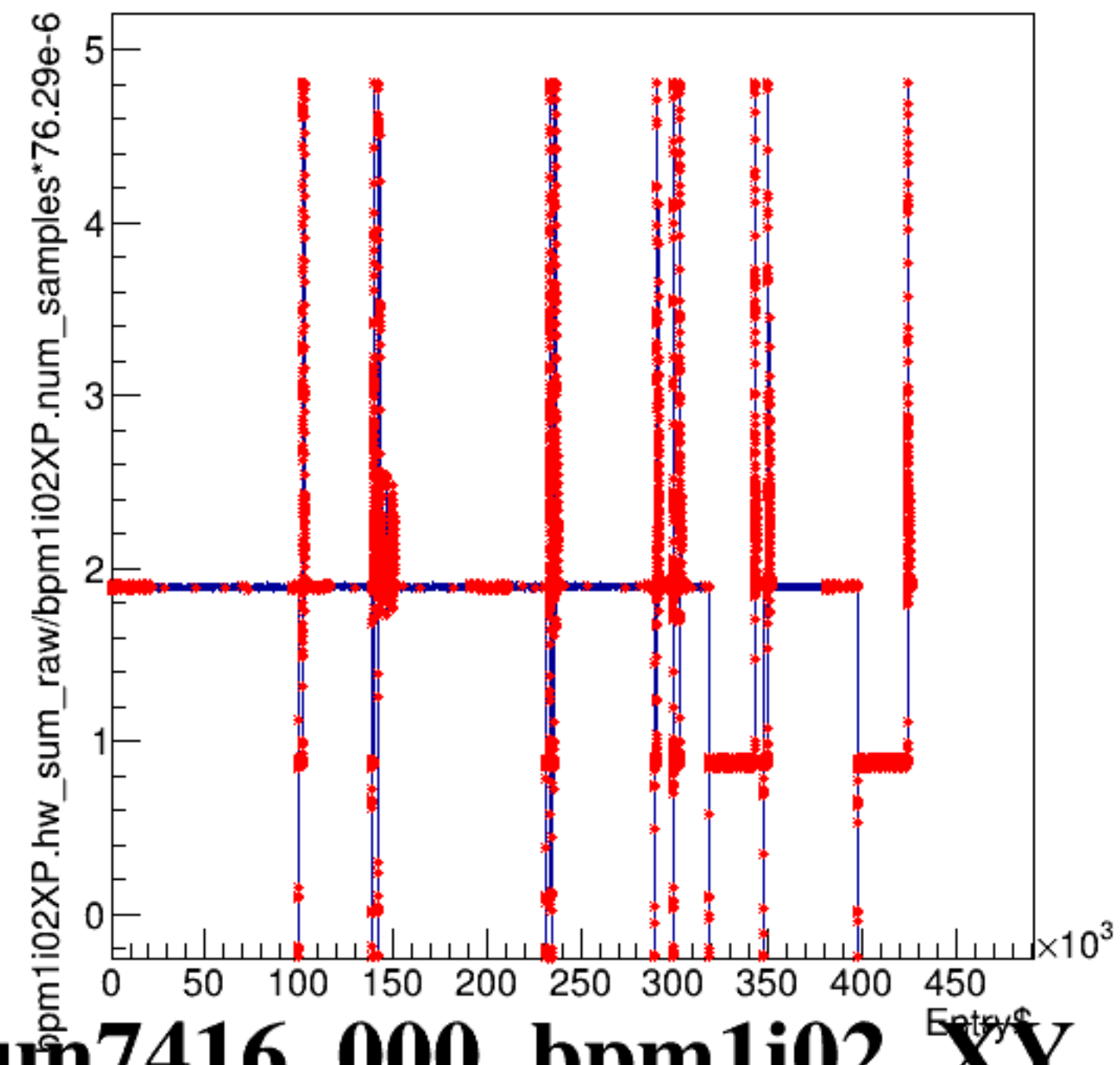
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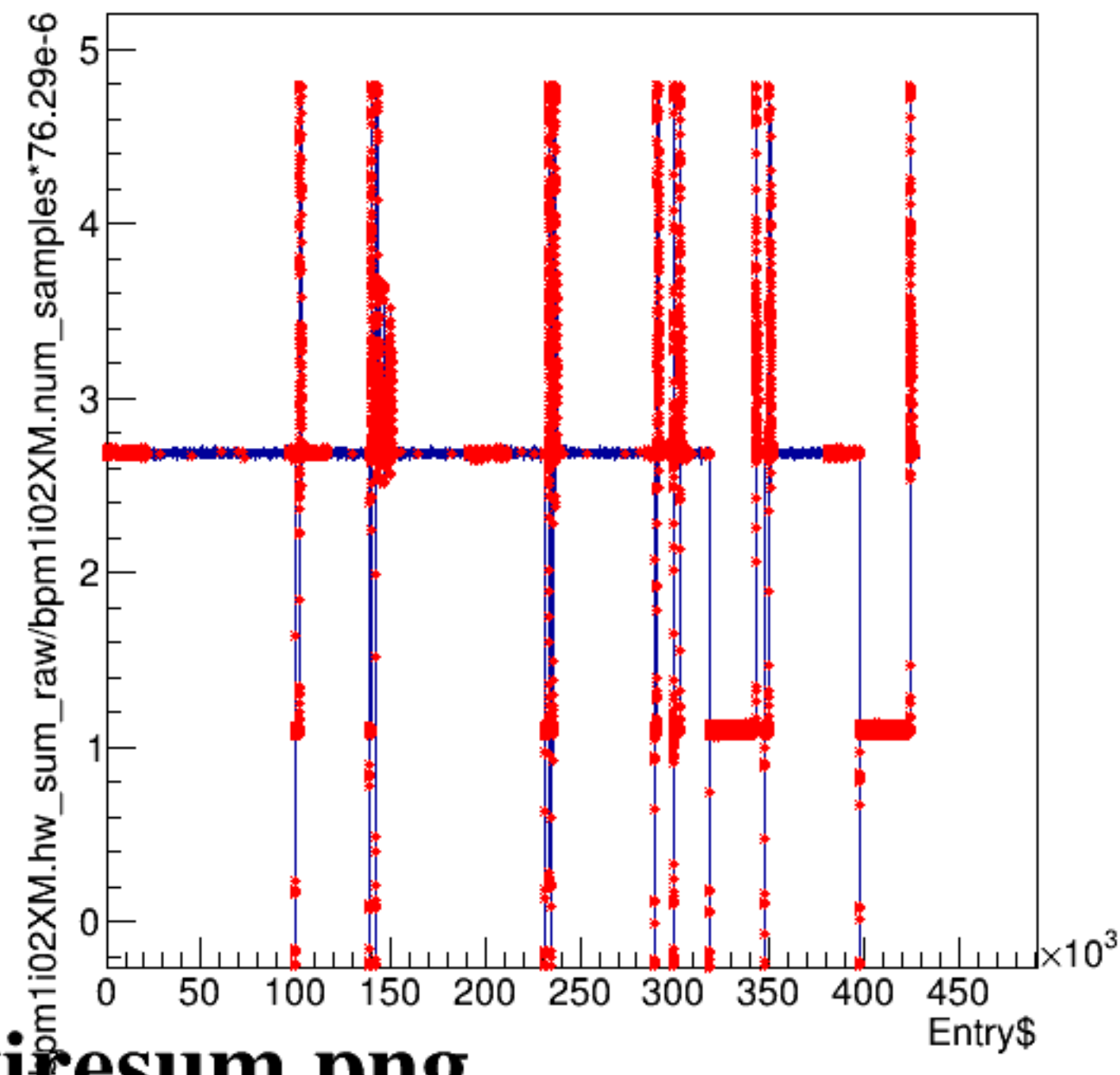
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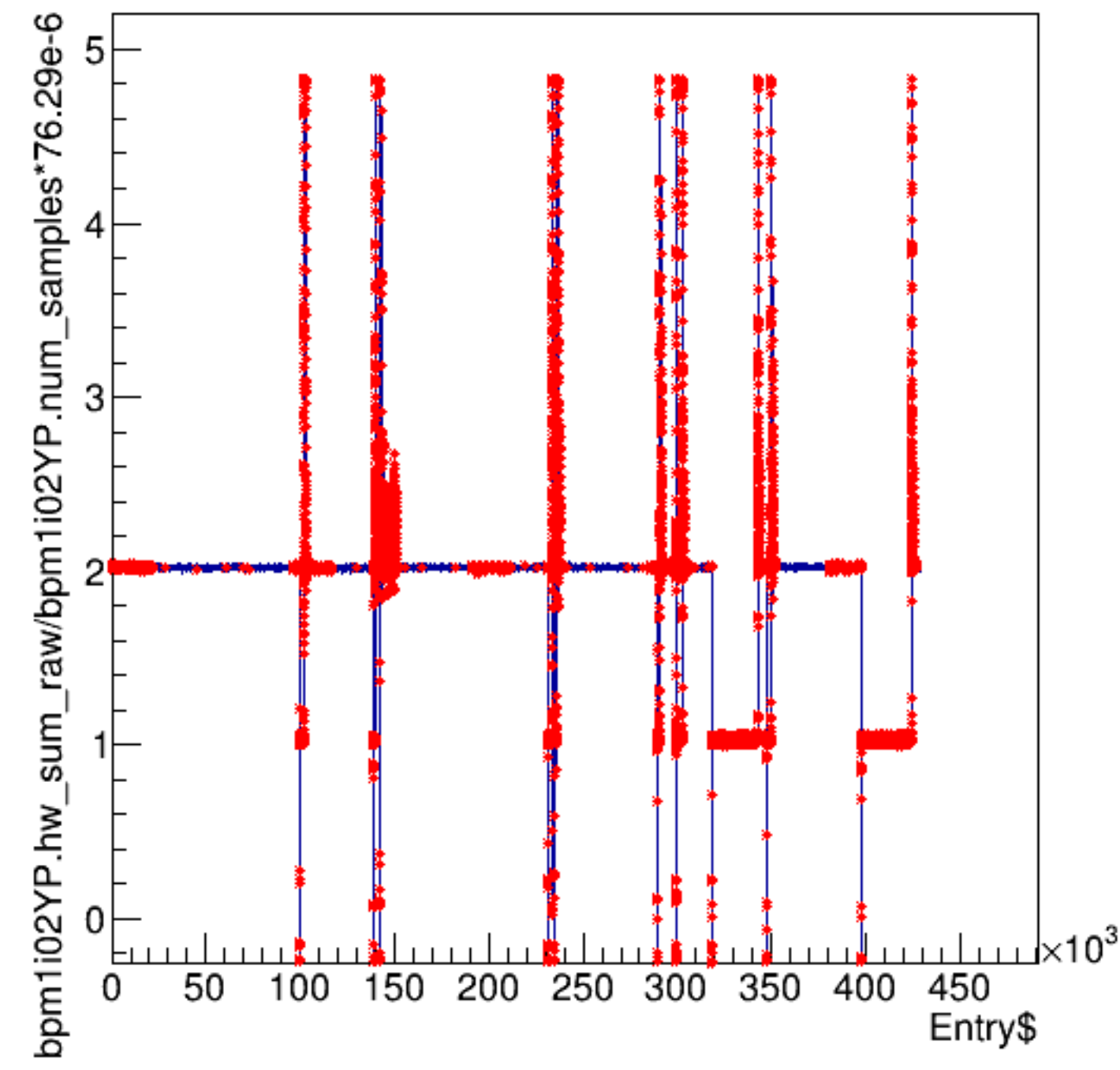
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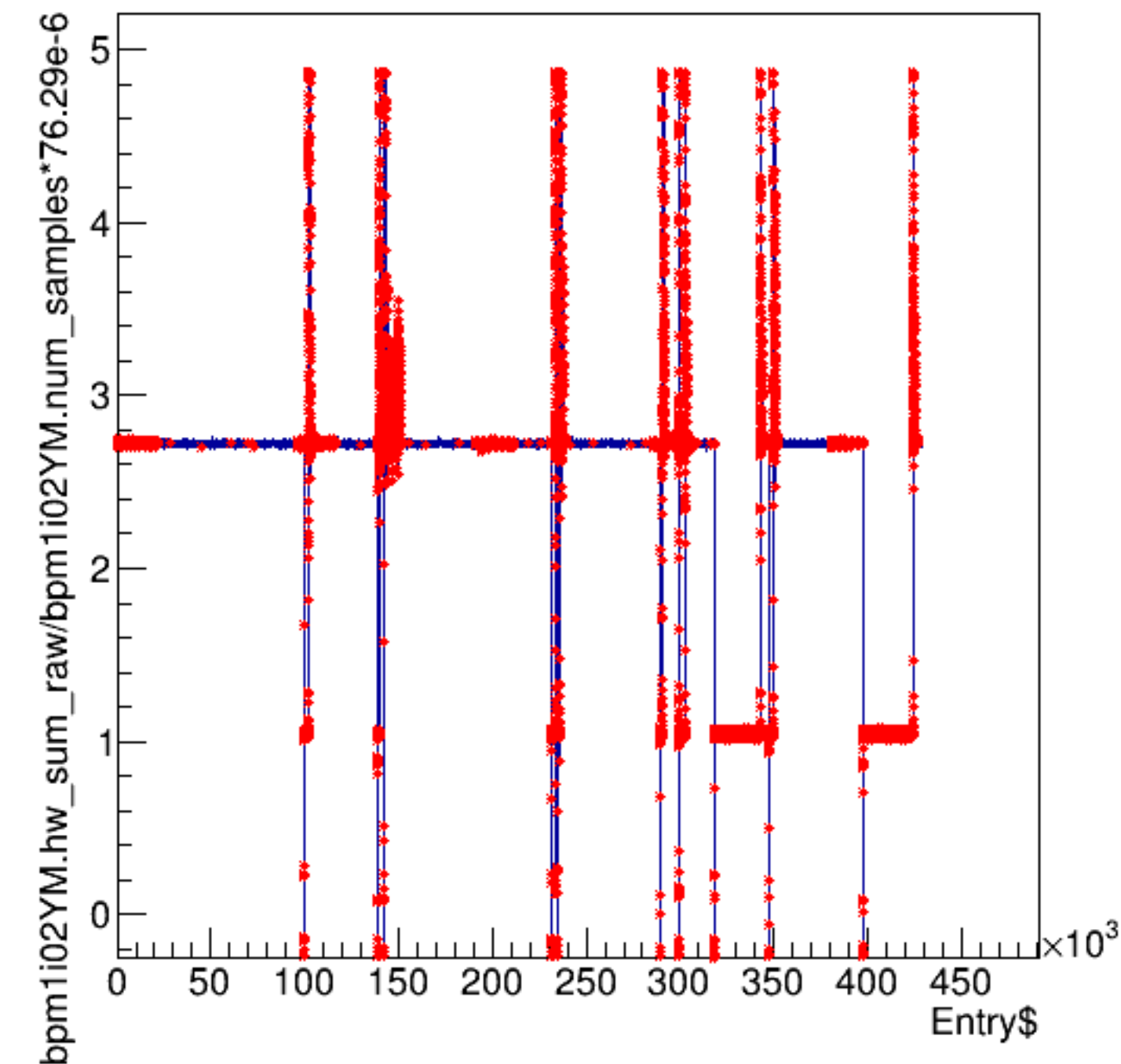
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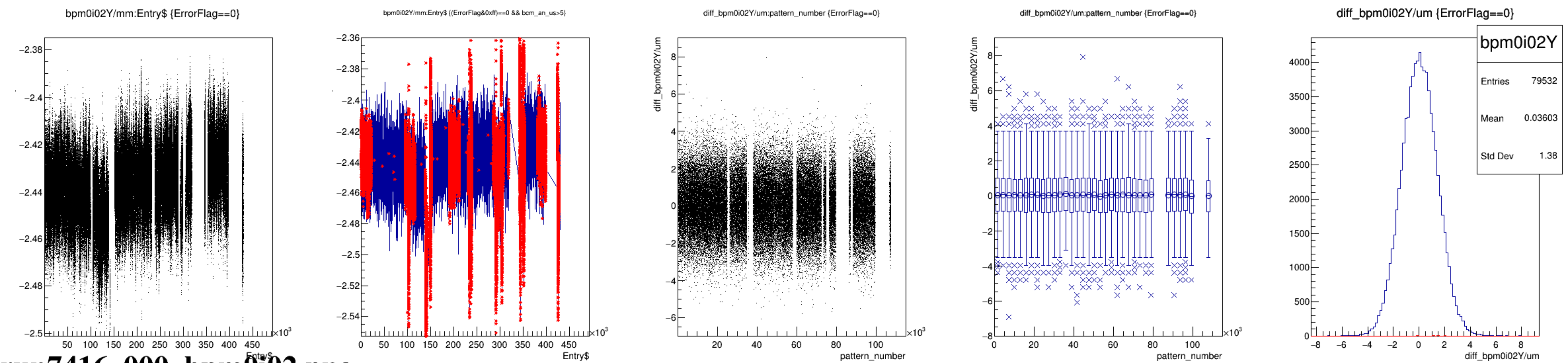
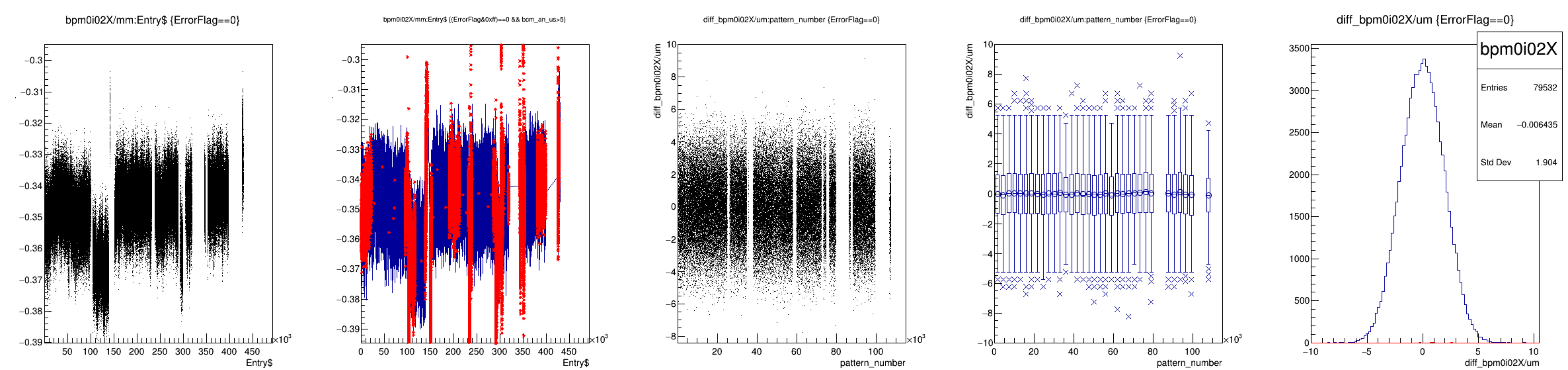


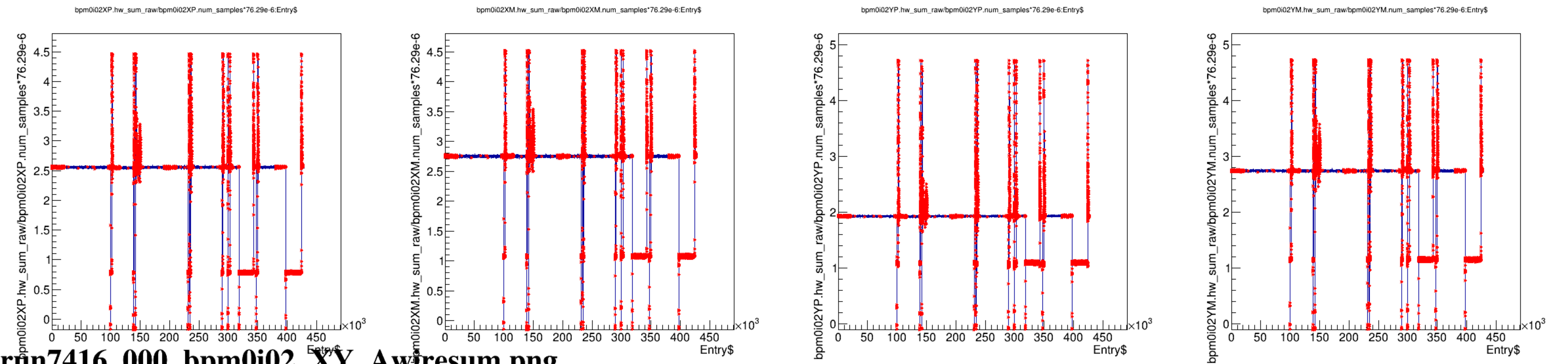
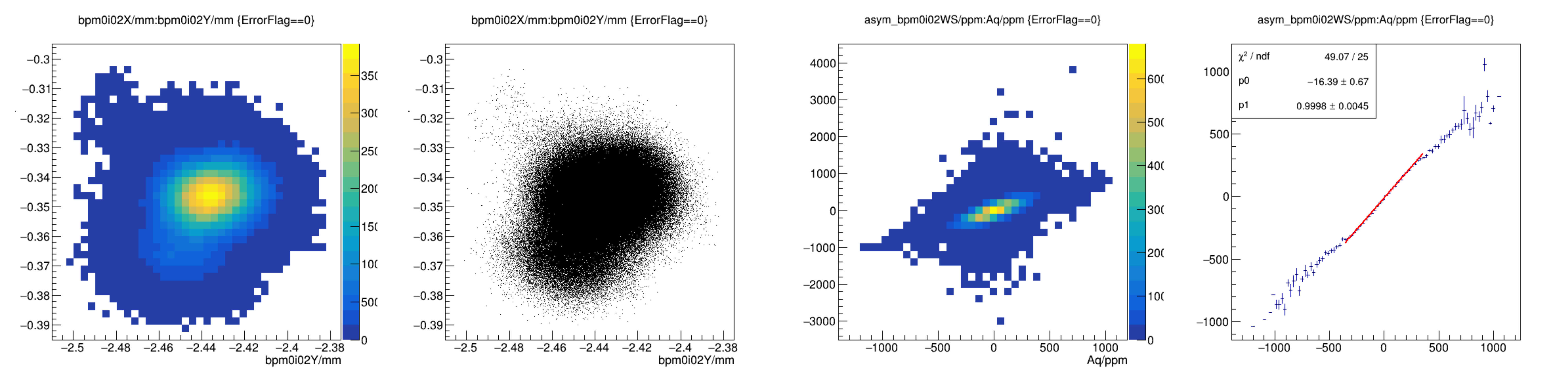
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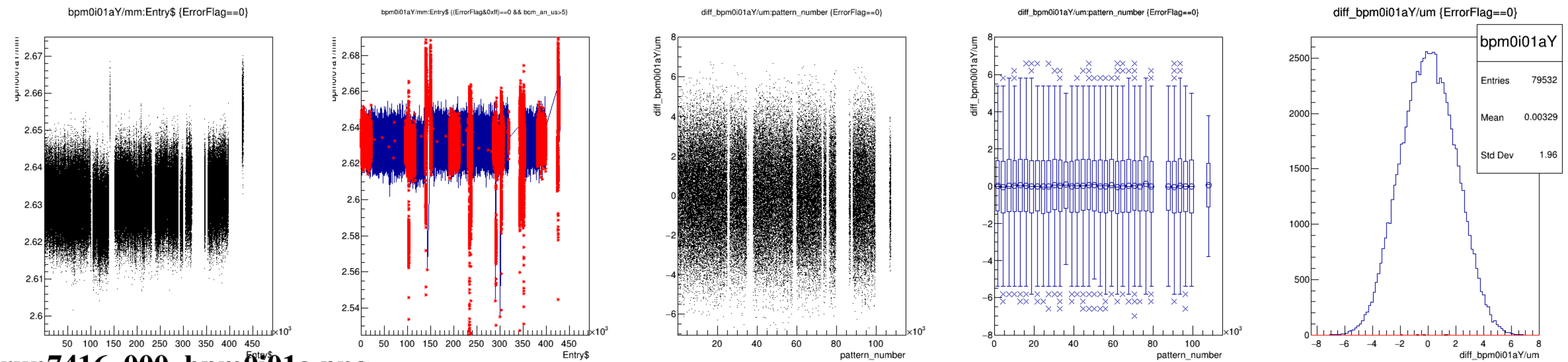
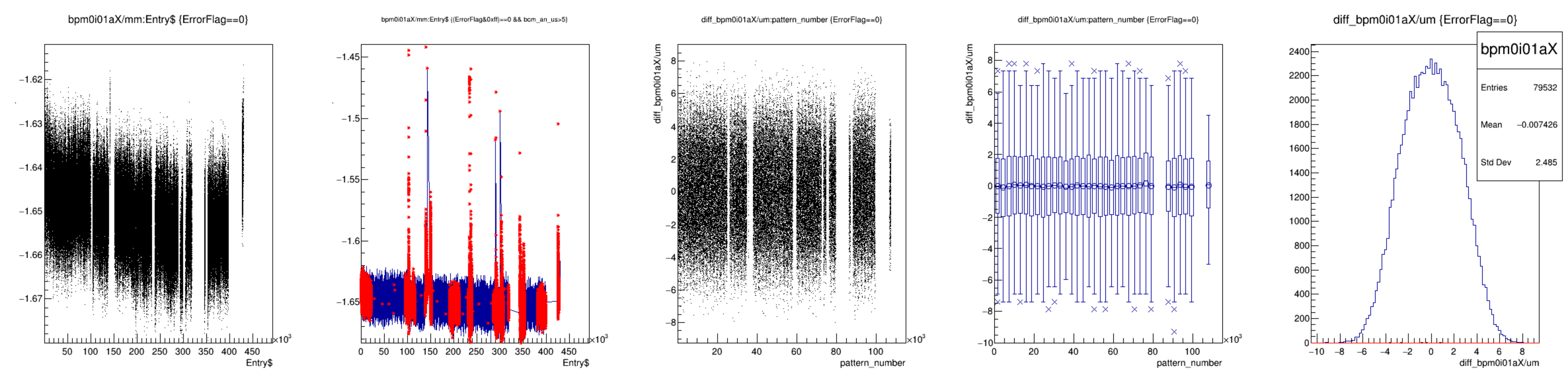


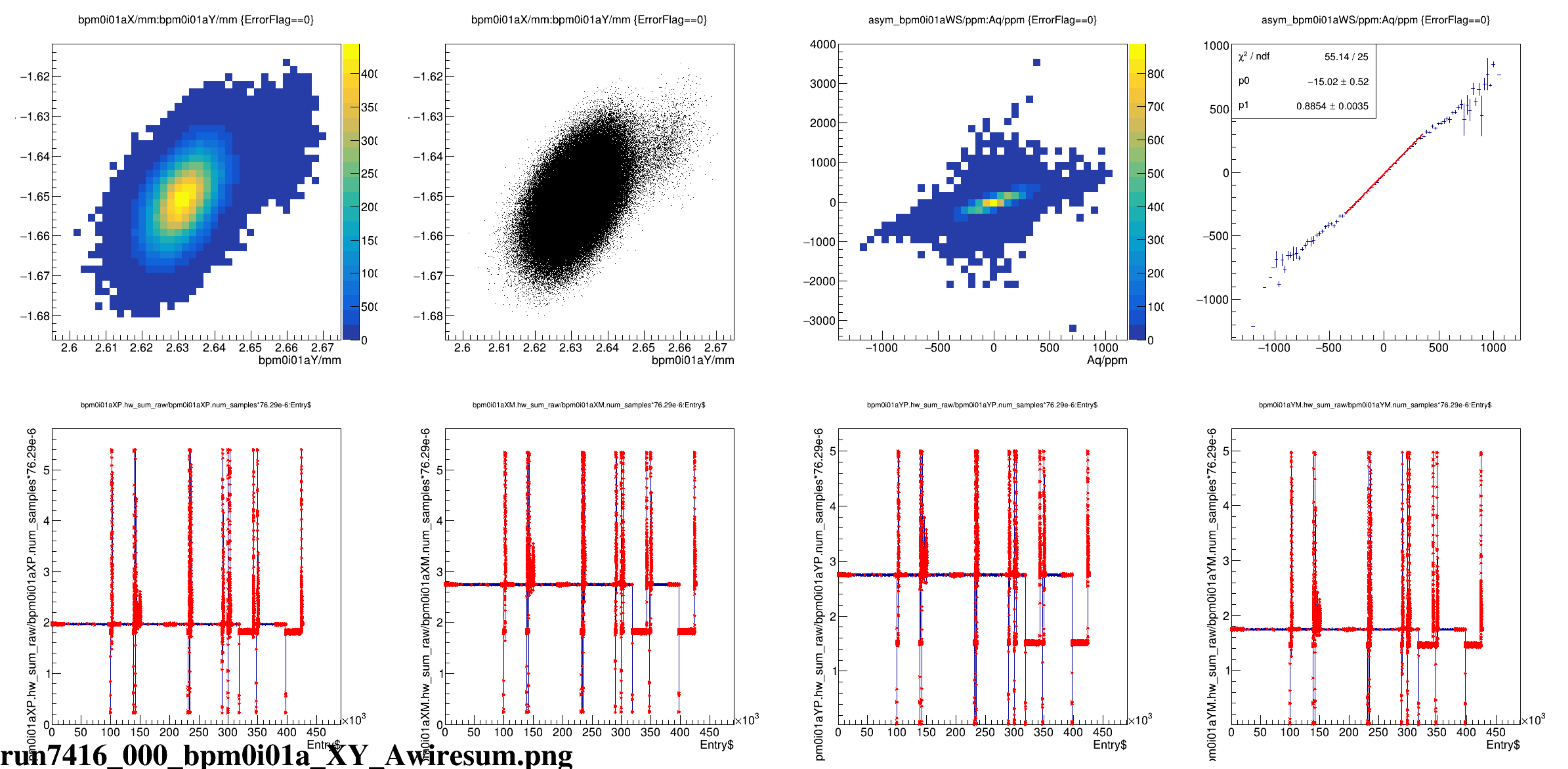
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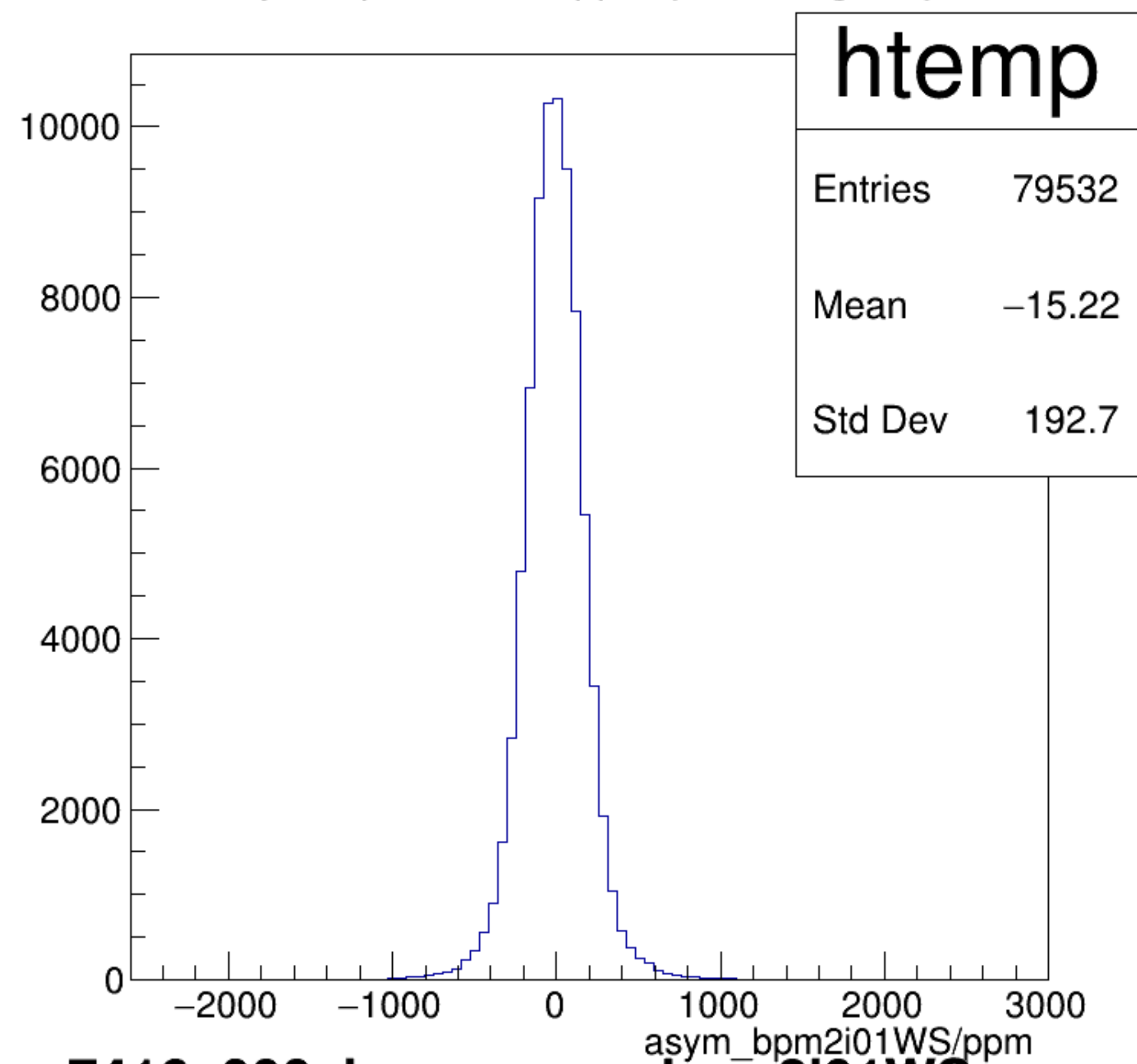






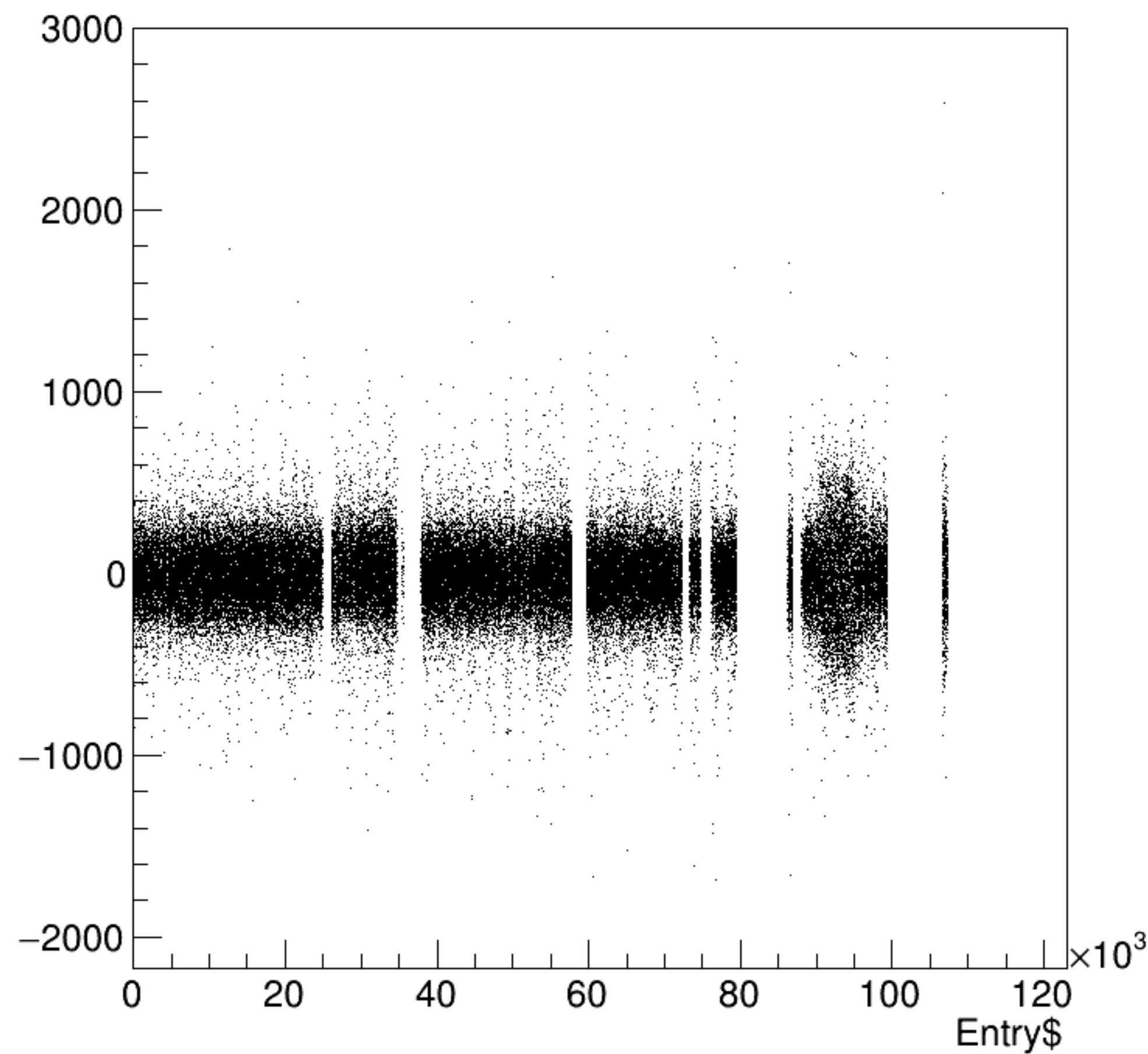


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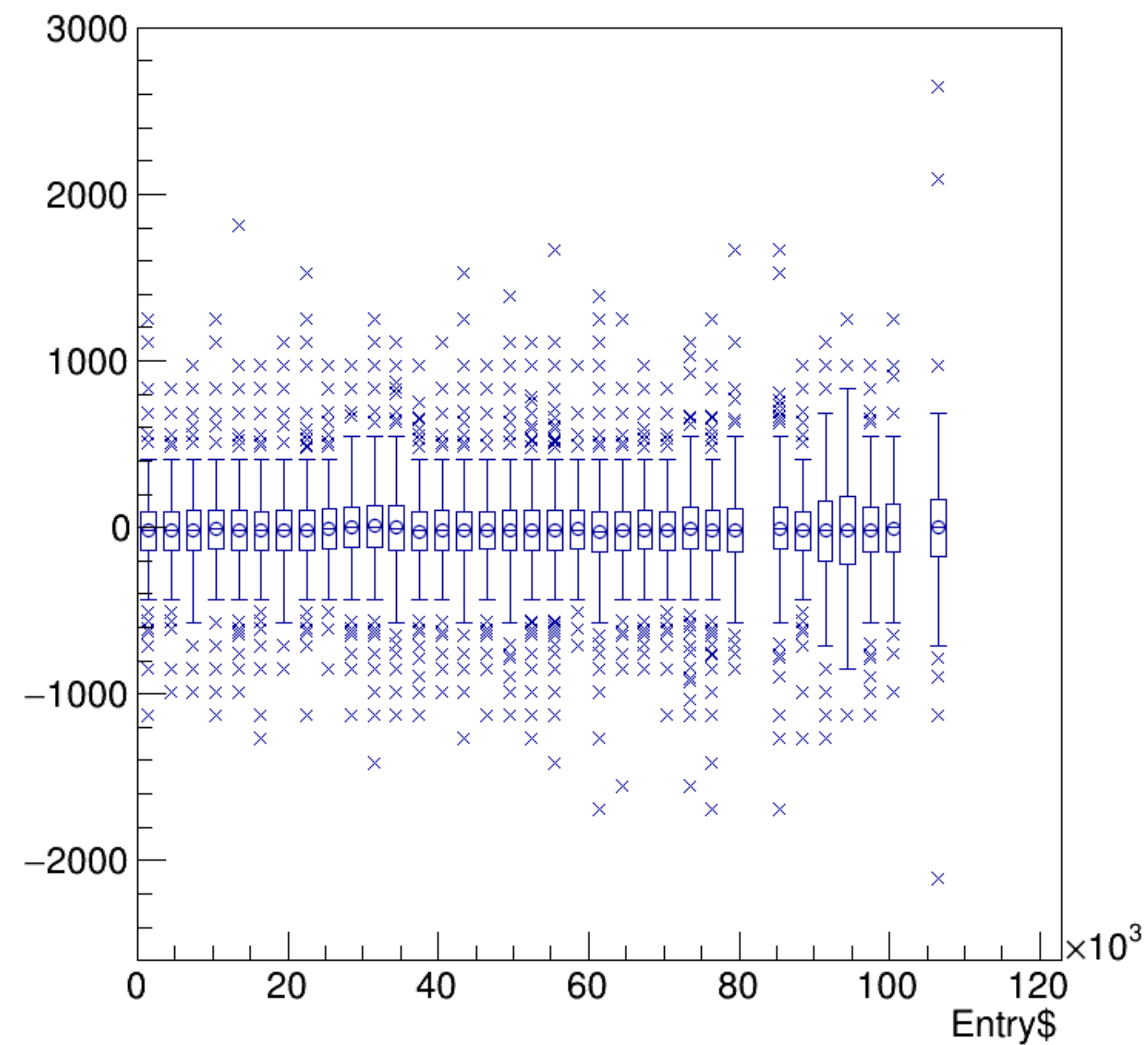


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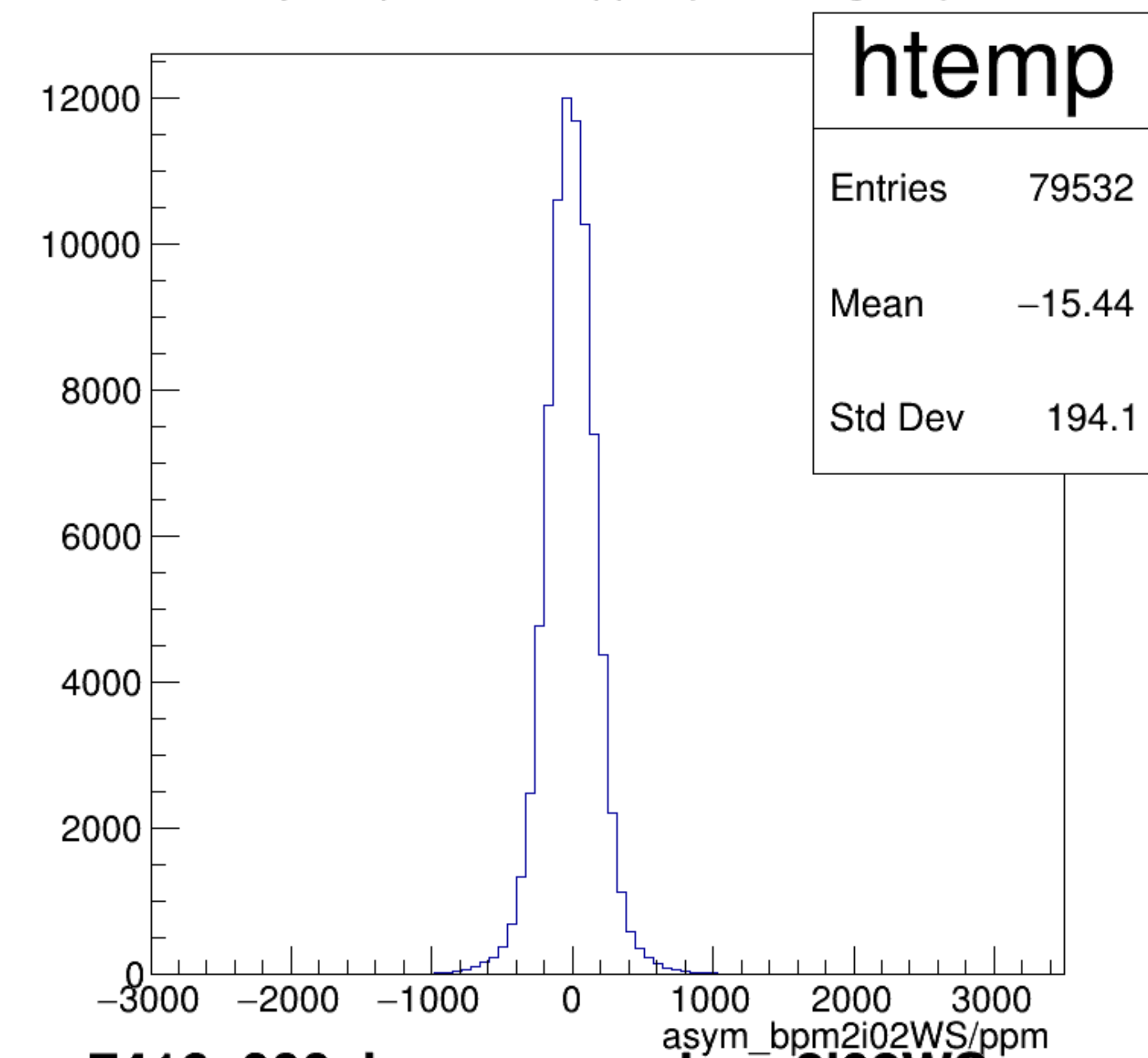
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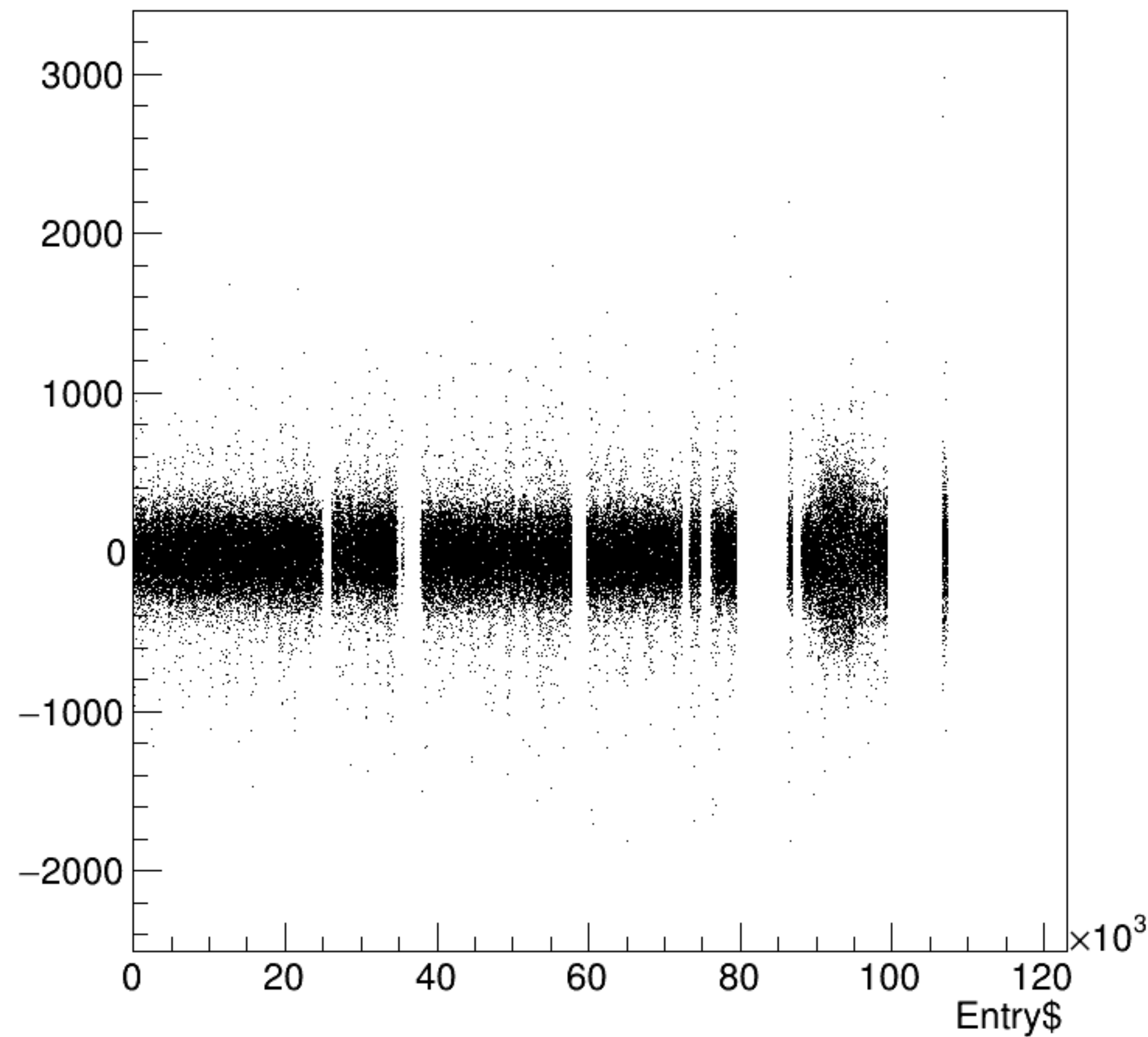
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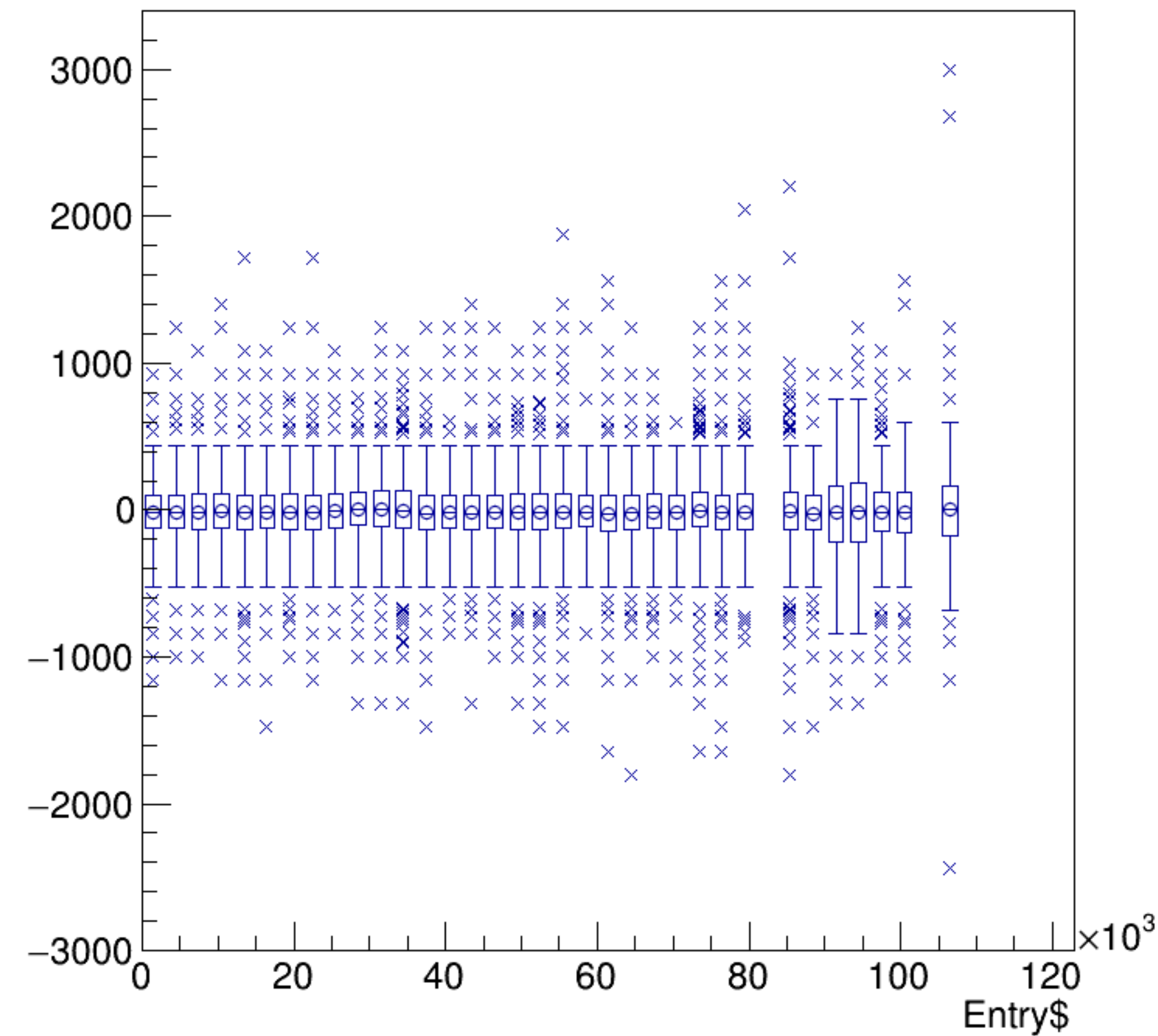
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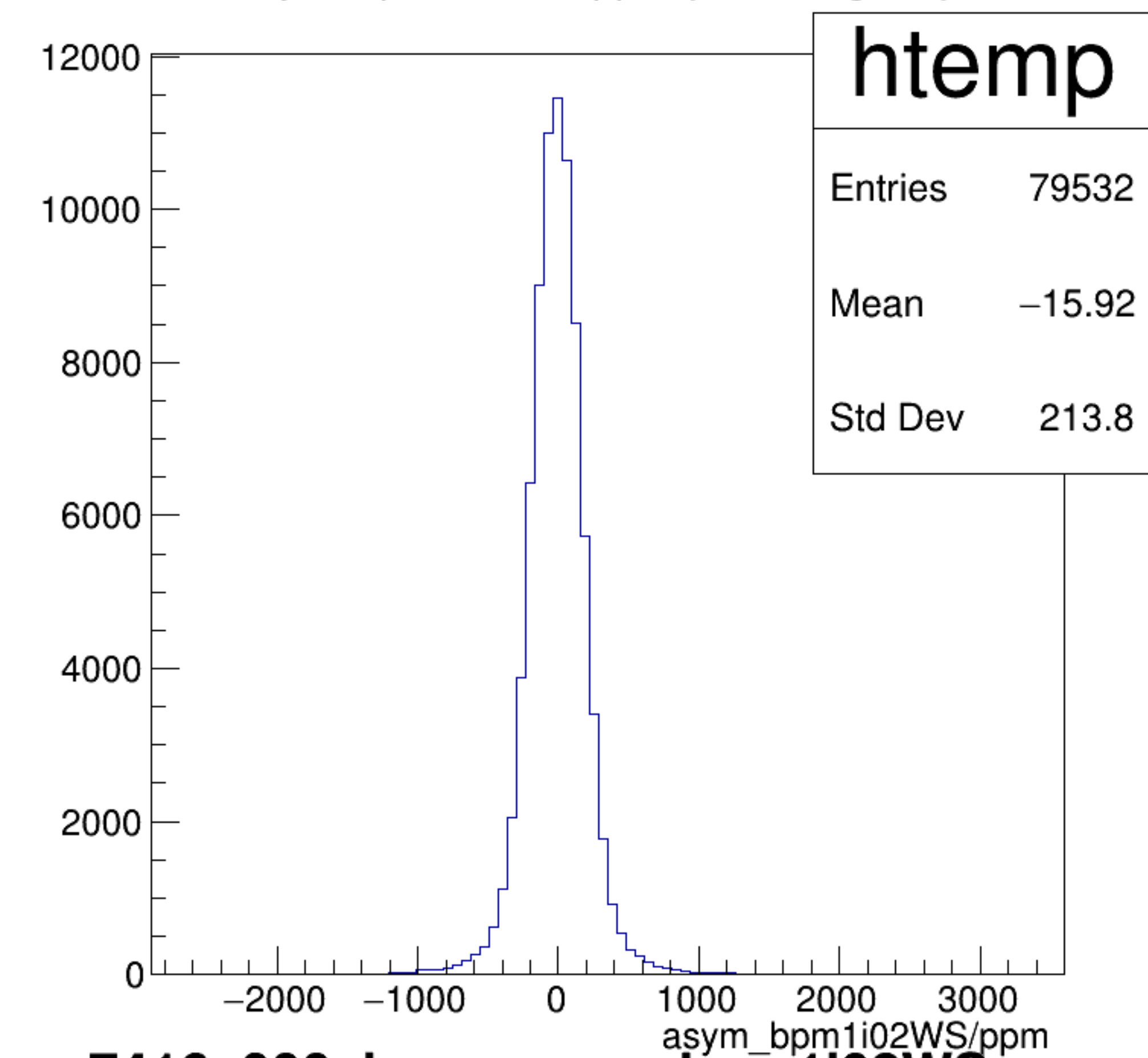
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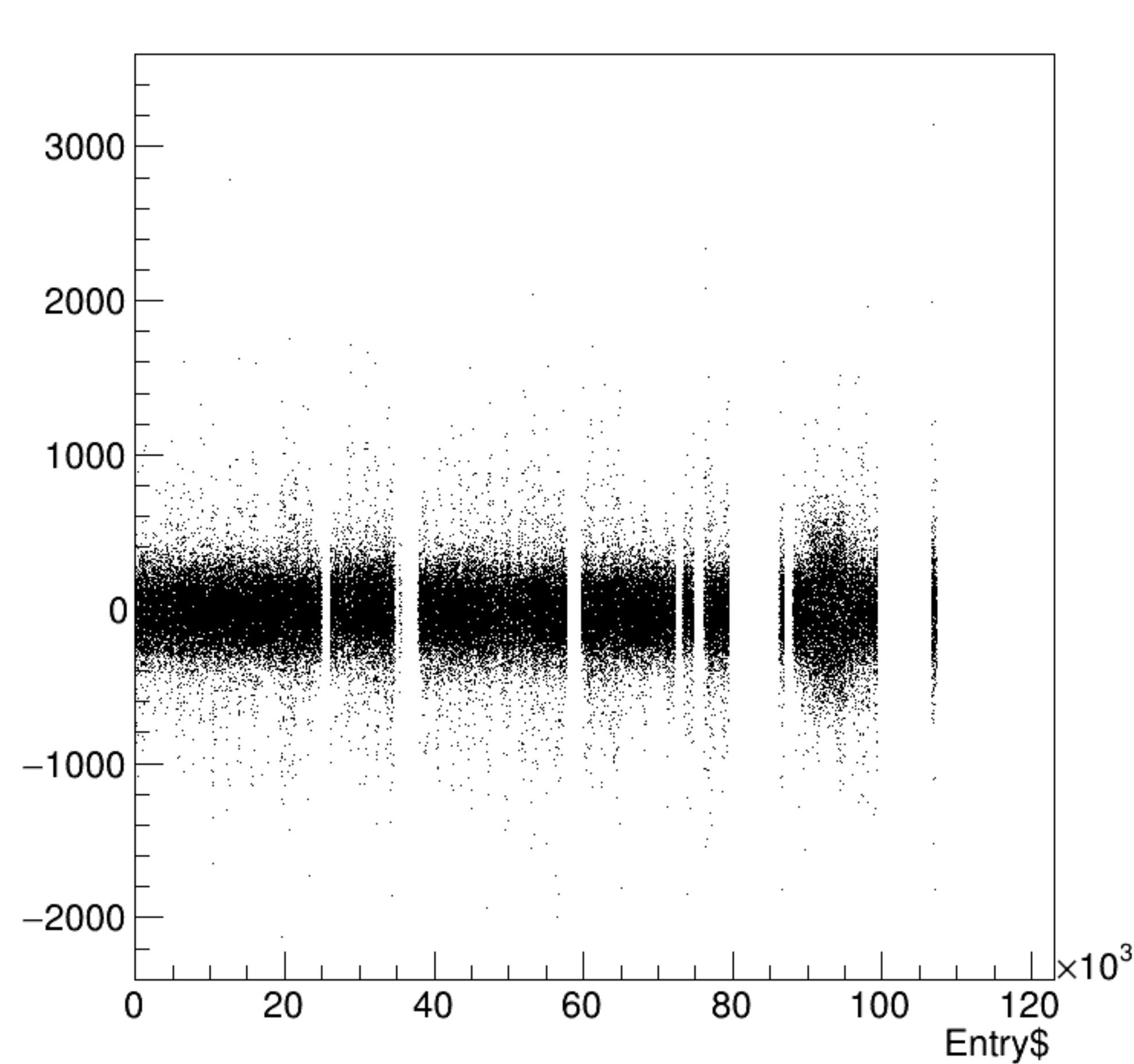


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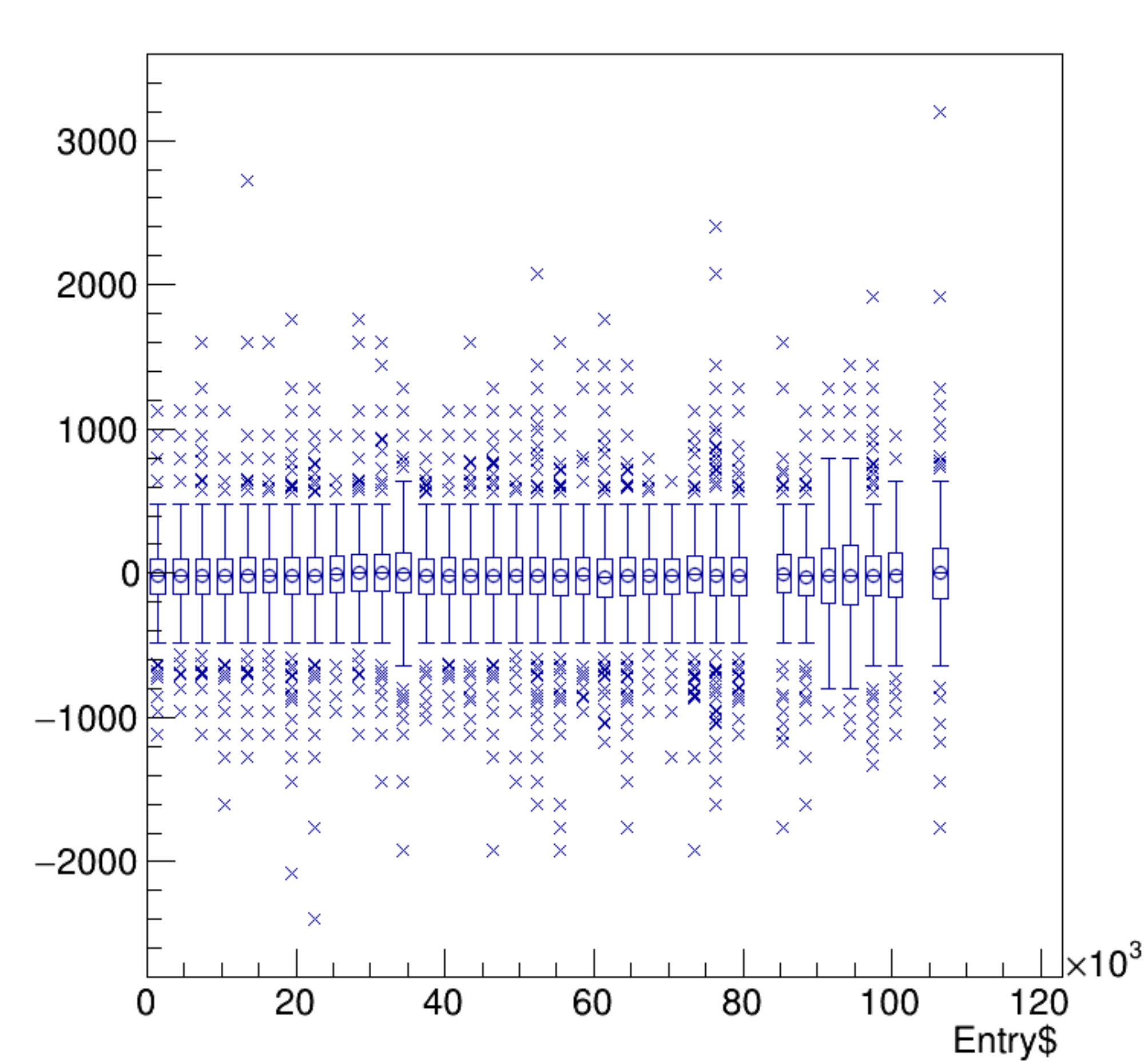


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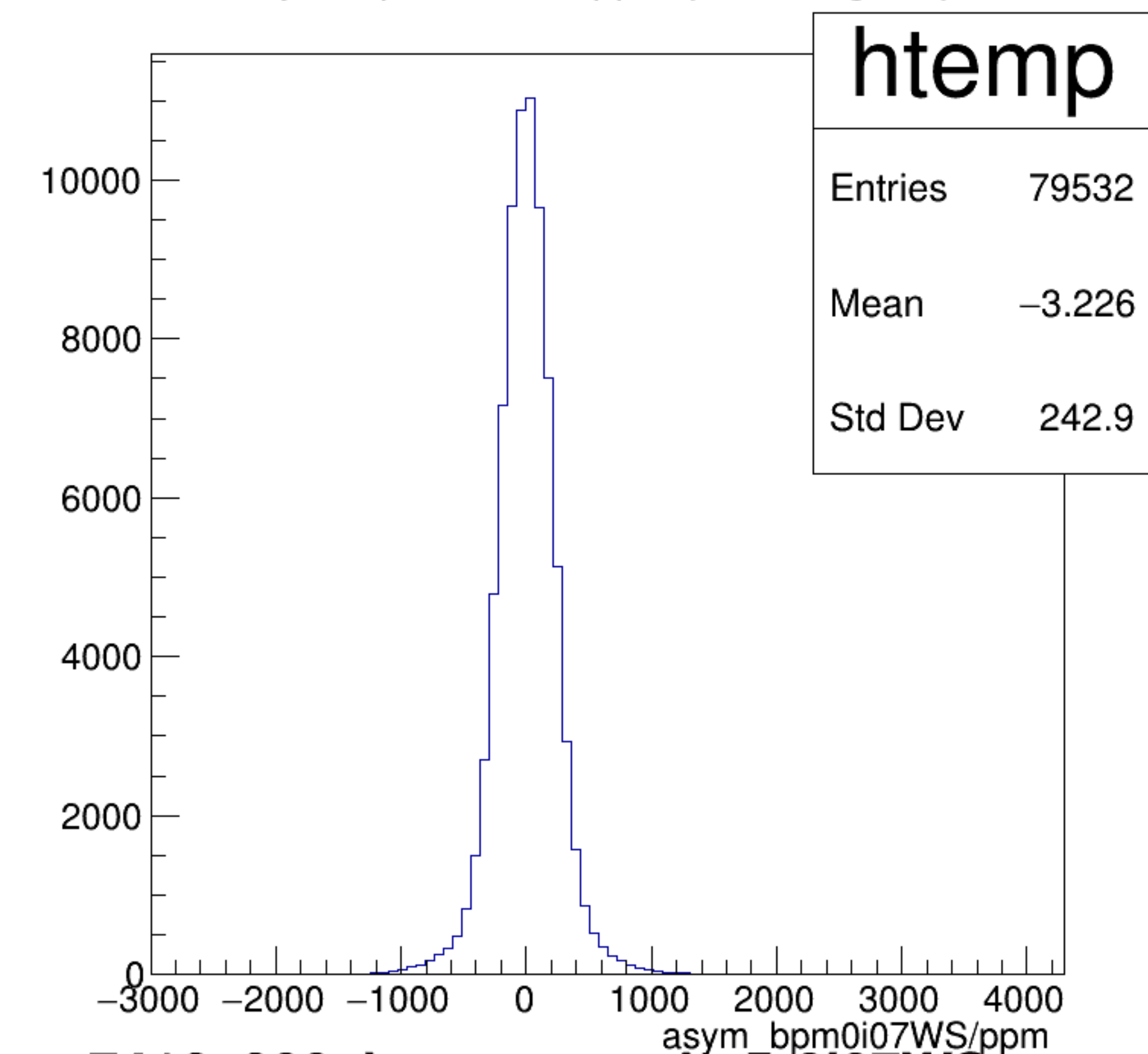
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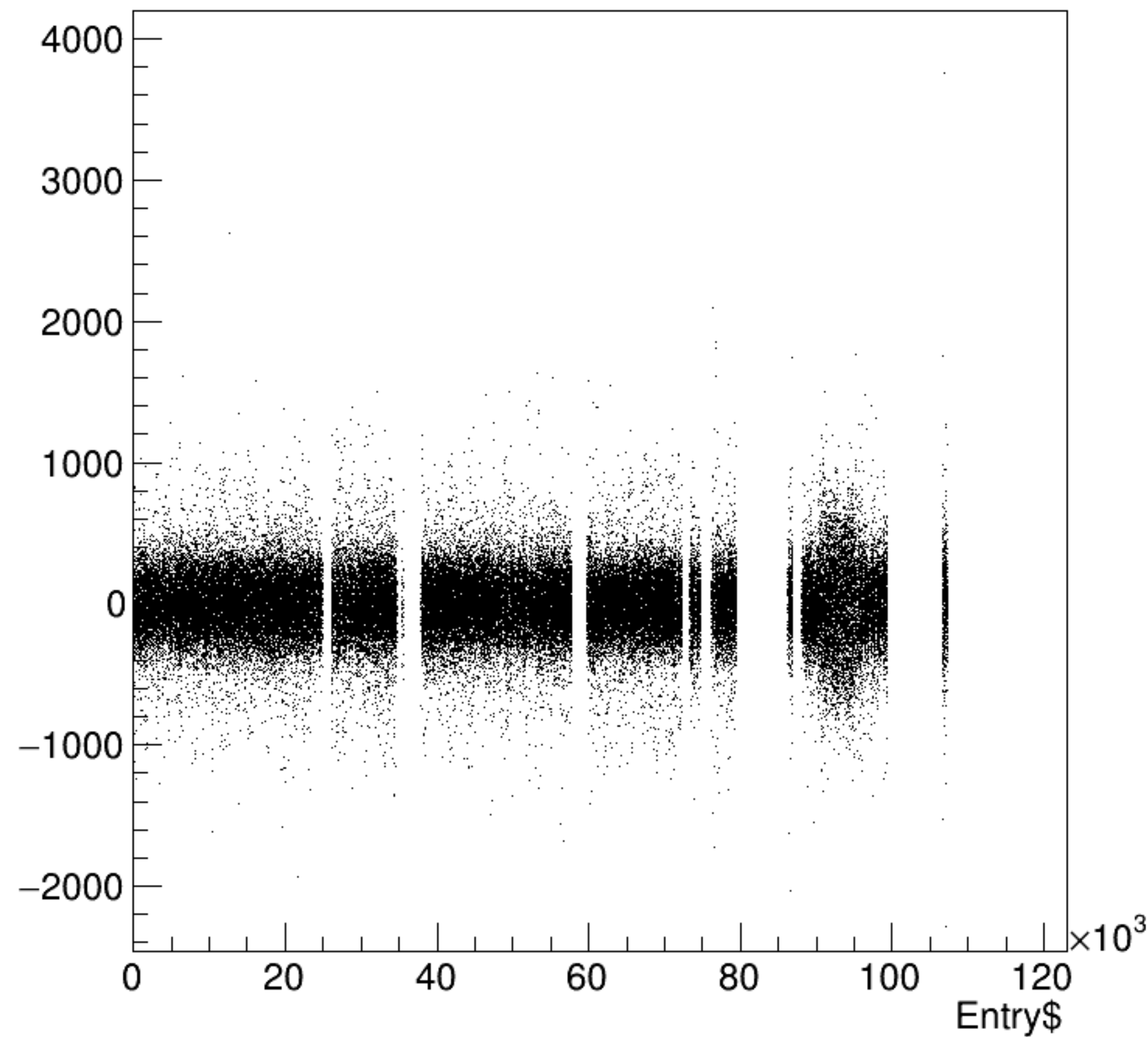


asym\_bpm0i07WS/ppm {ErrorFlag==0}

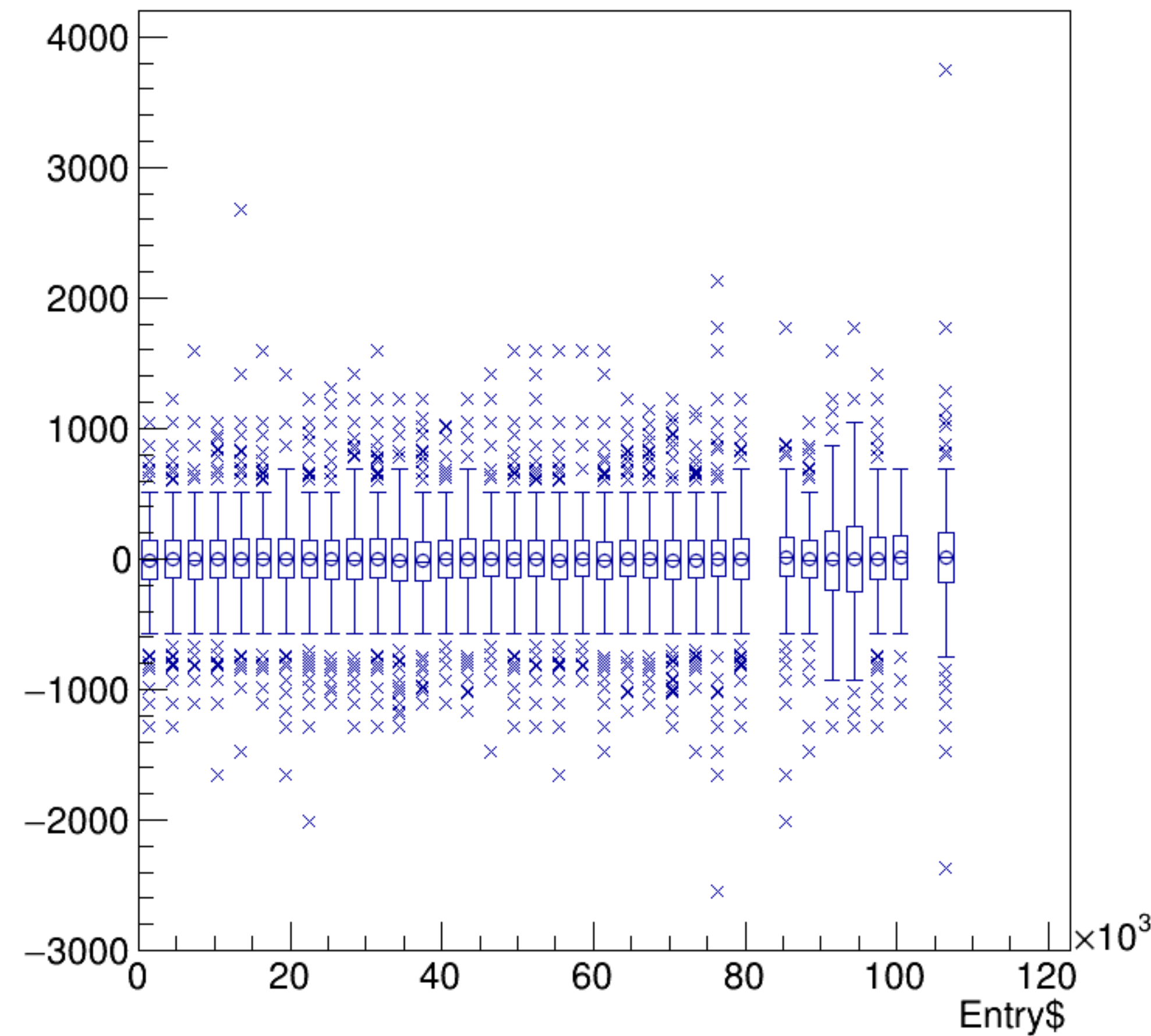


run7416\_000\_bpm\_asym\_bpm0i07WS.png

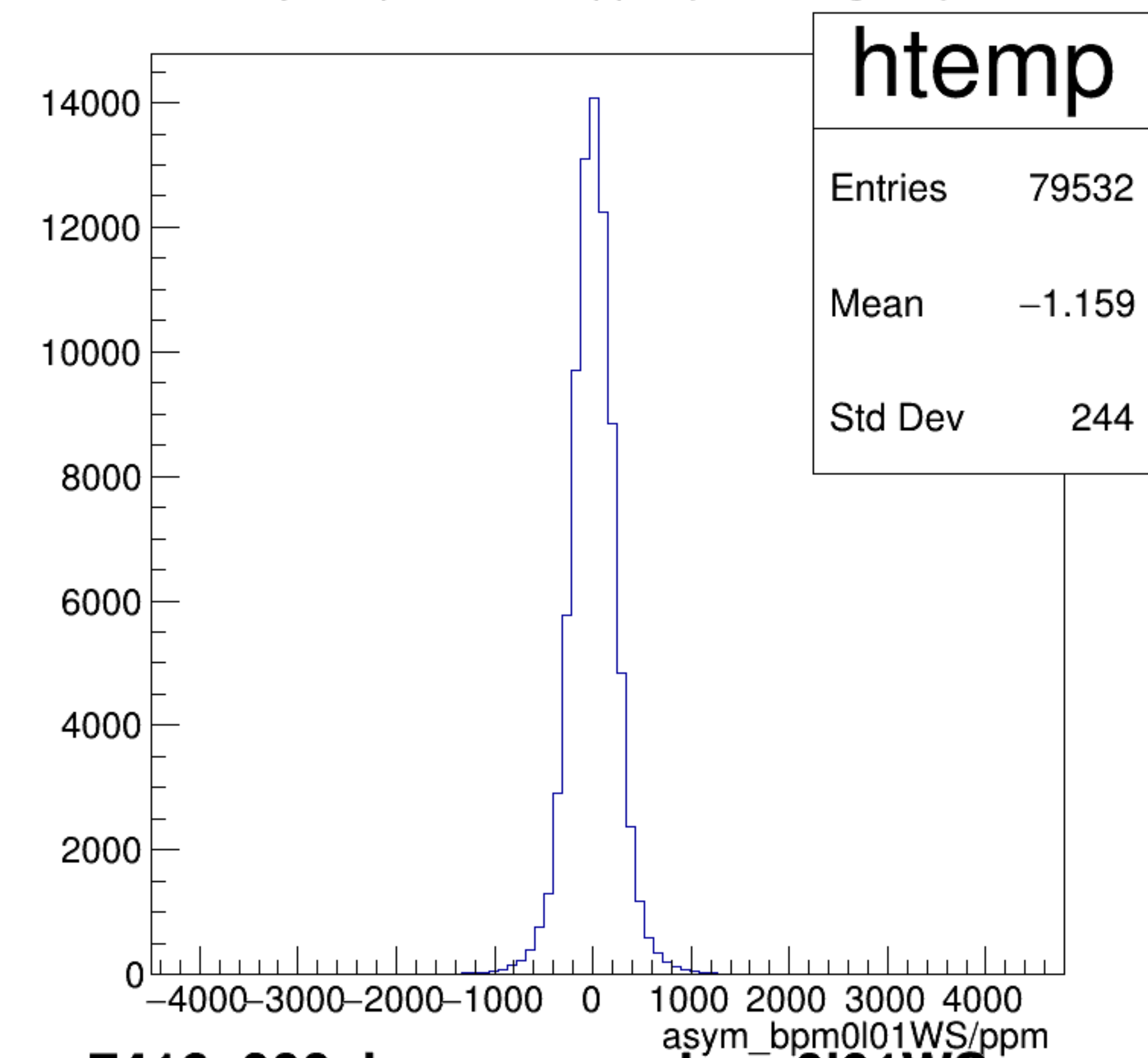
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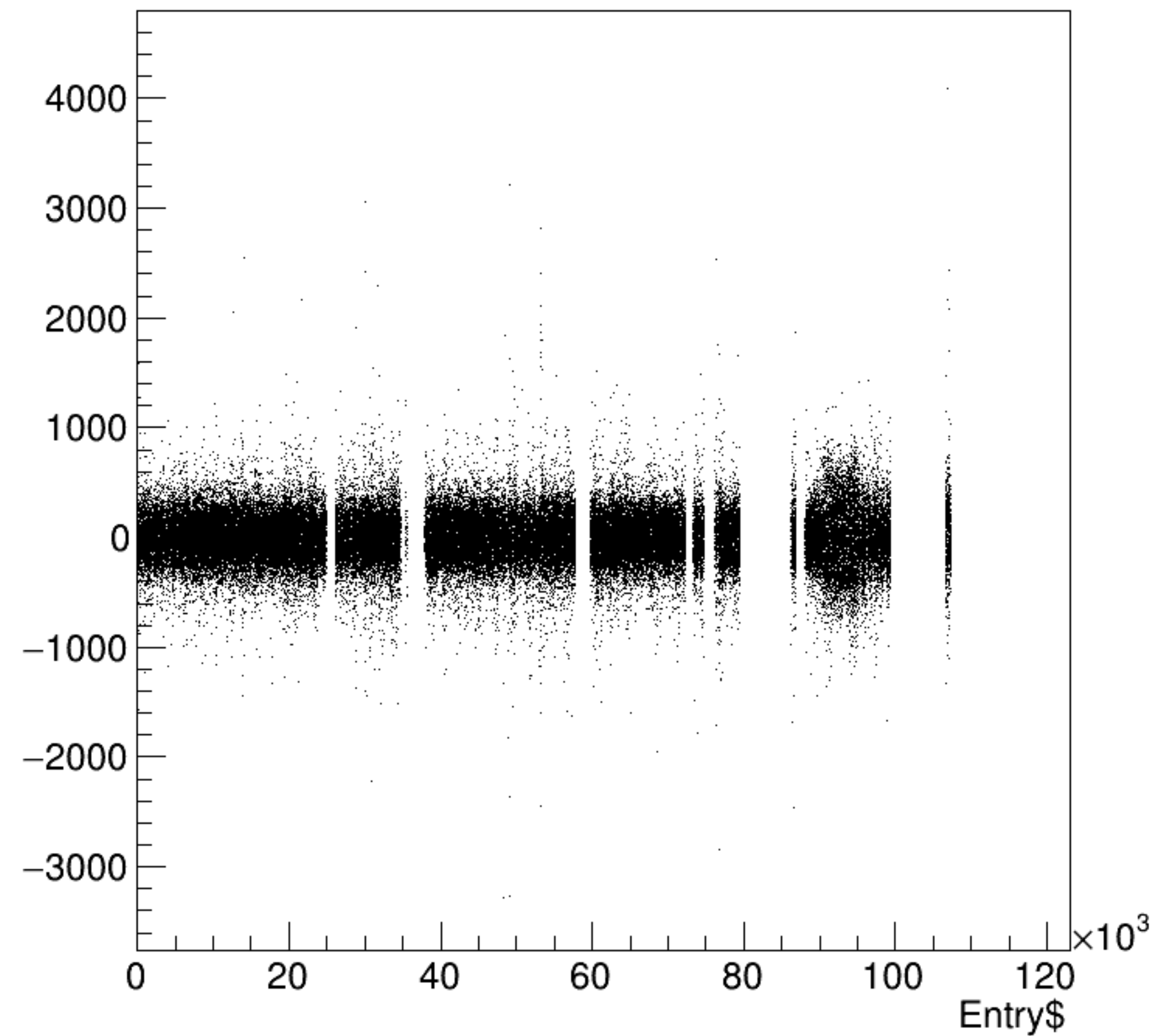


asym\_bpm0l01WS/ppm {ErrorFlag==0}

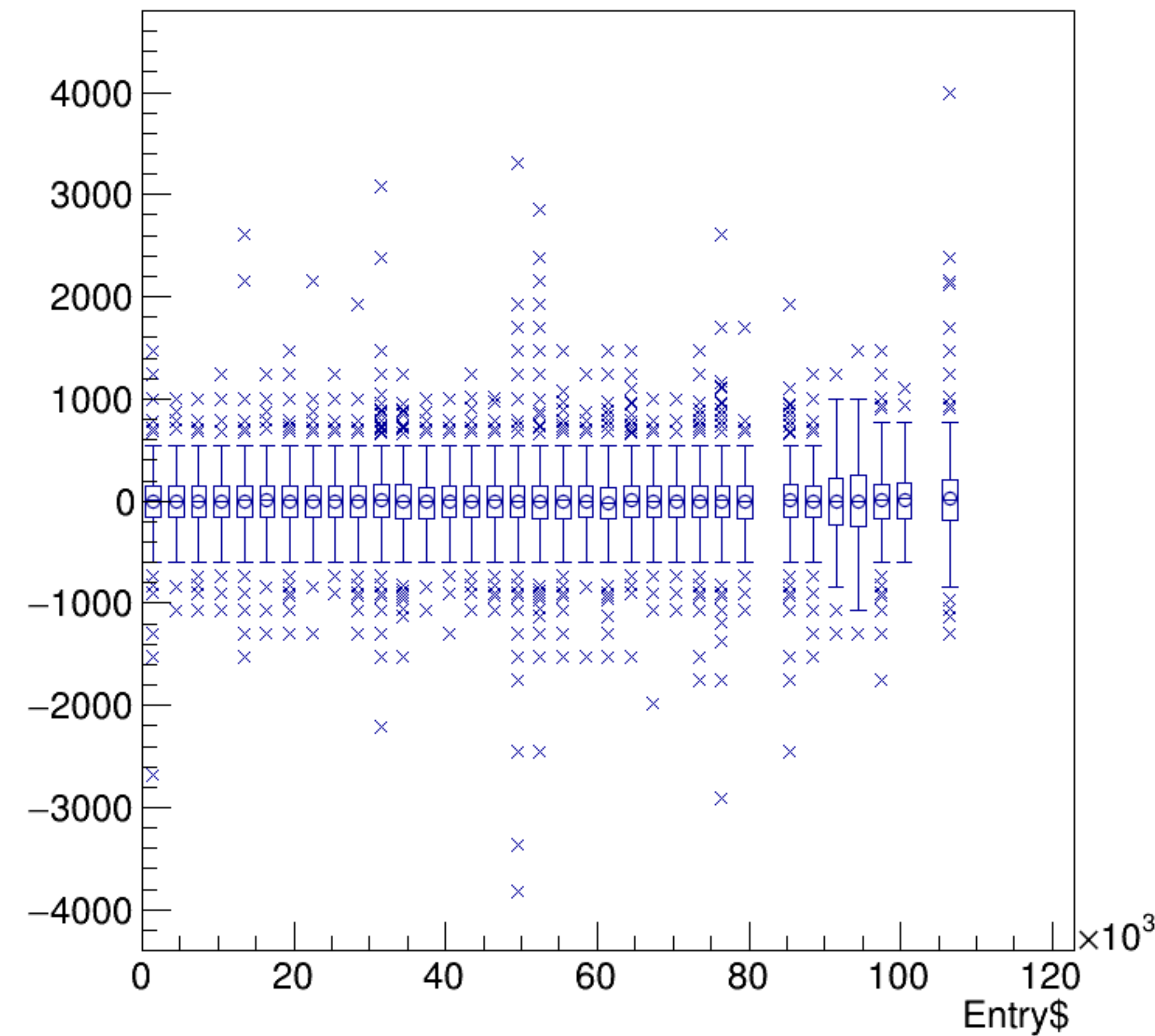


run7416\_000\_bpm\_asym\_bpm0l01WS.png

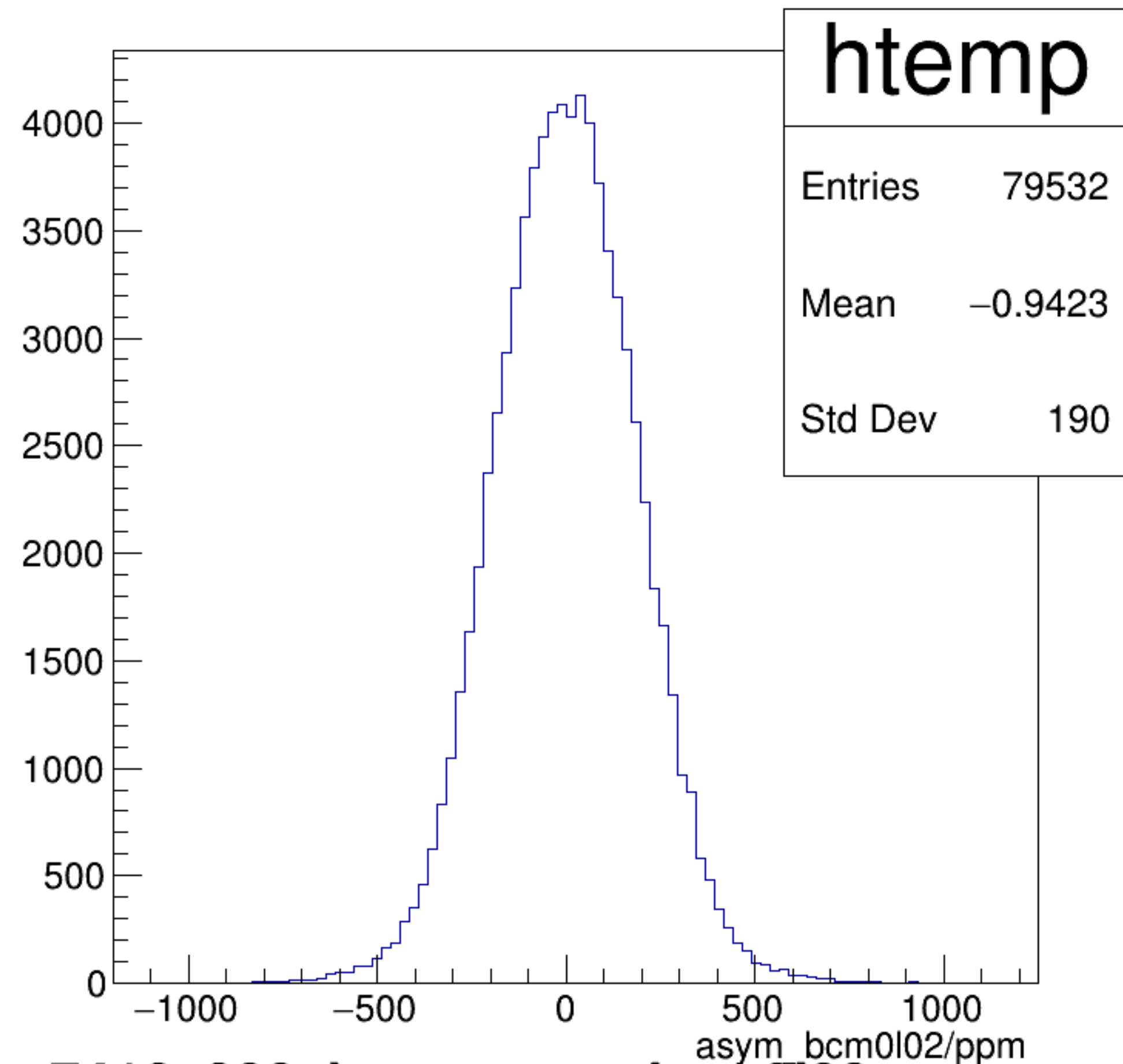
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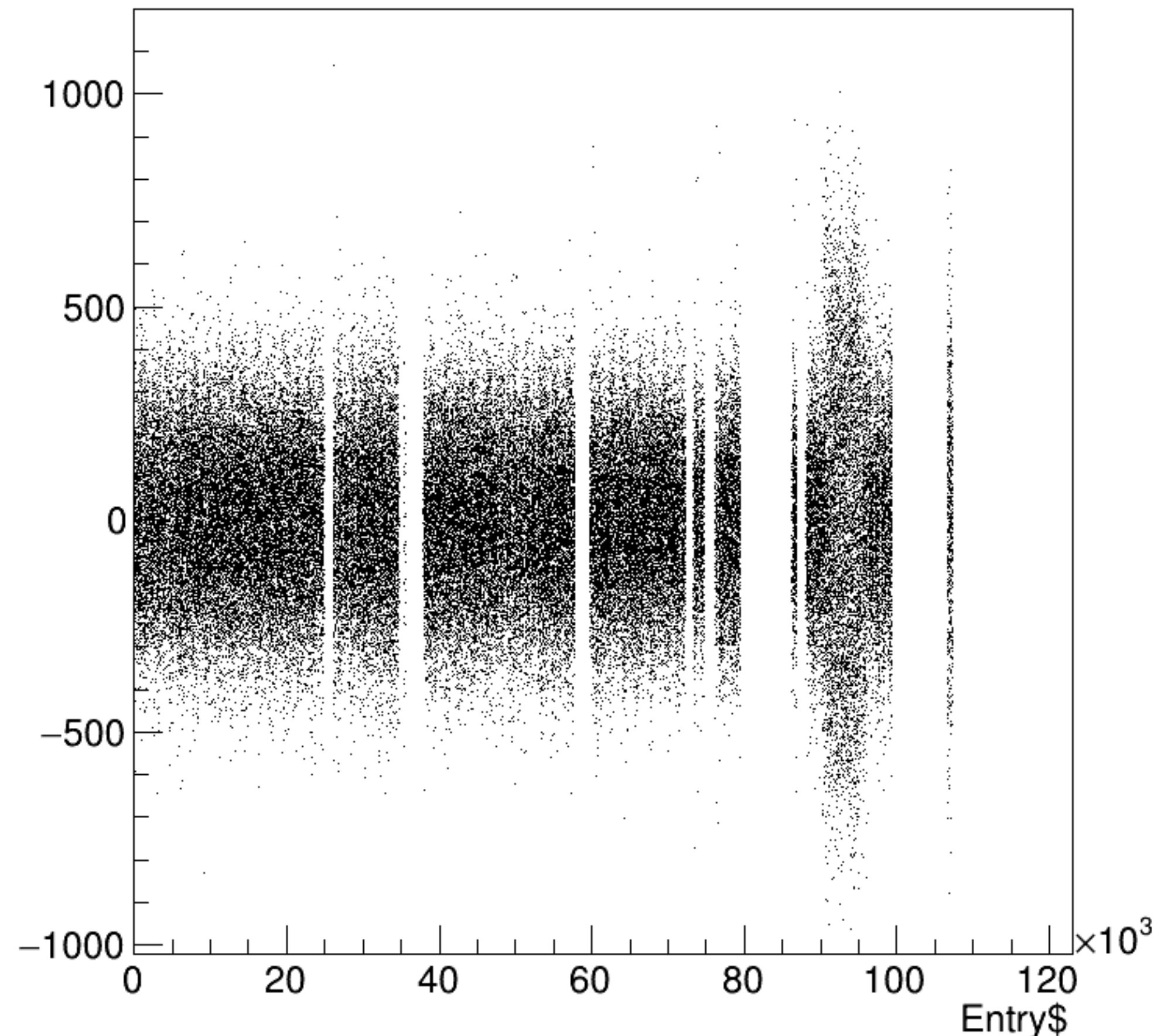
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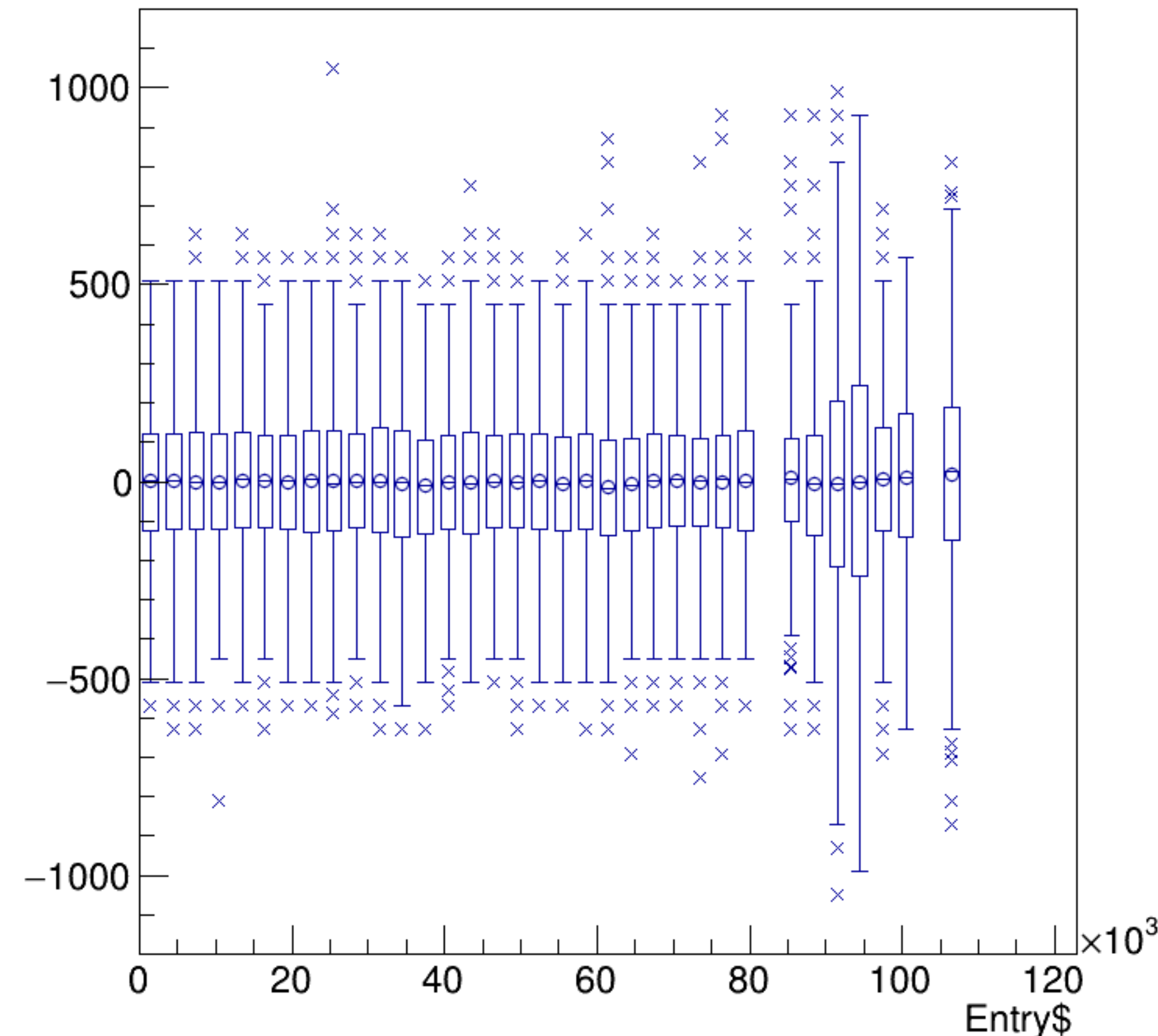
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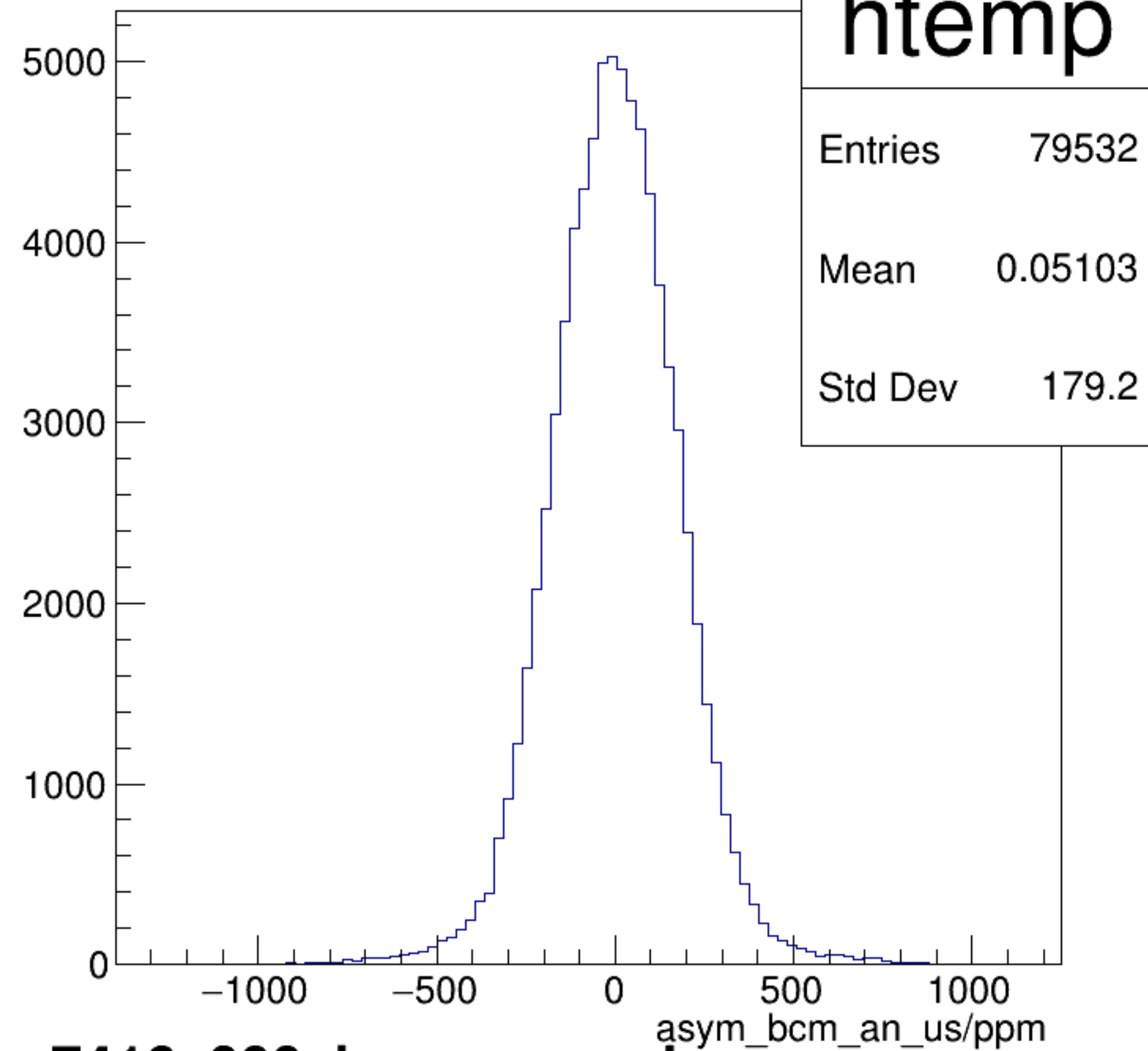
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asym\_bcm0l02/ppm:Entry\$ {ErrorFlag==0}

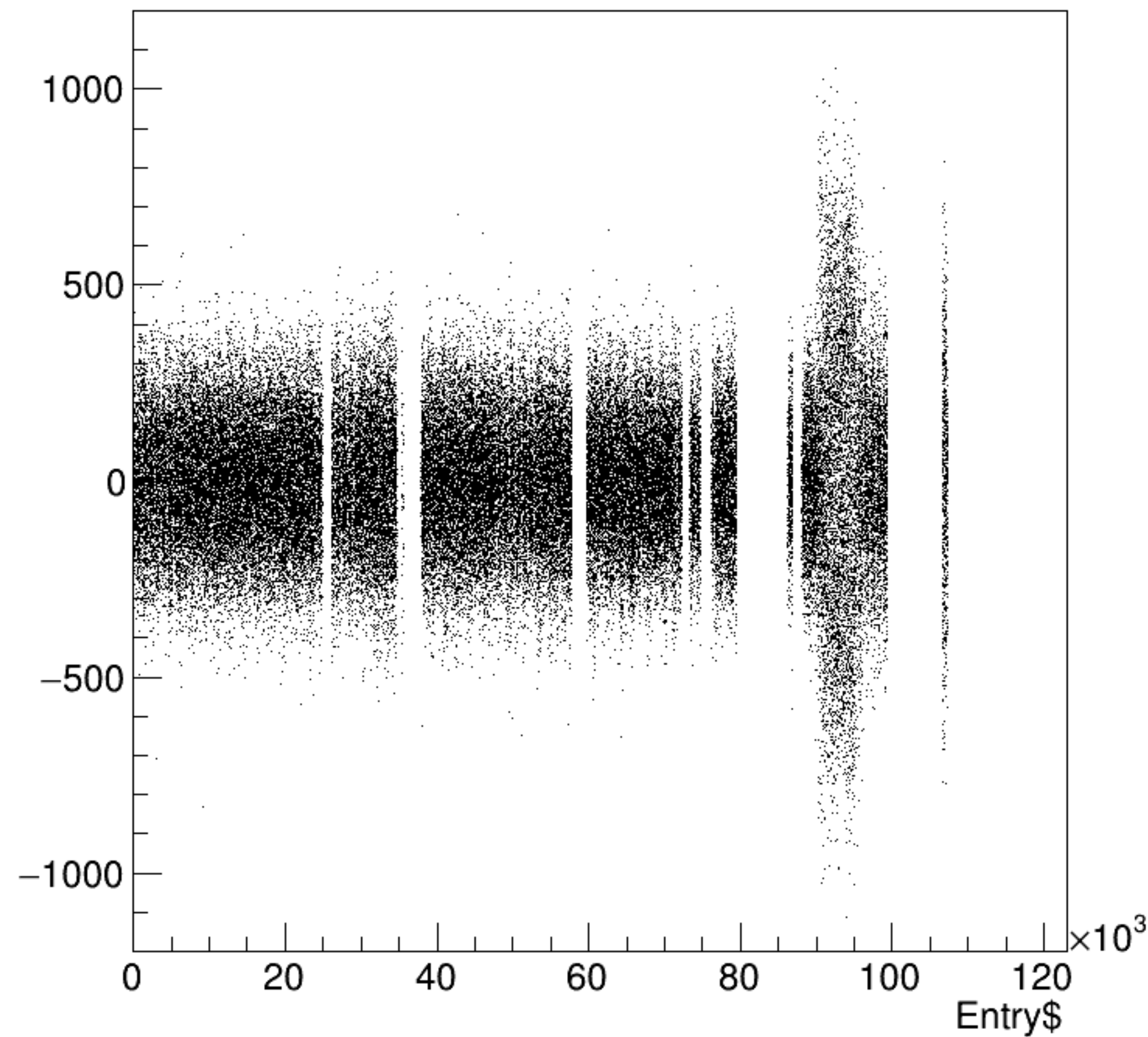


asym\_bcm\_an\_us/ppm {ErrorFlag==0}

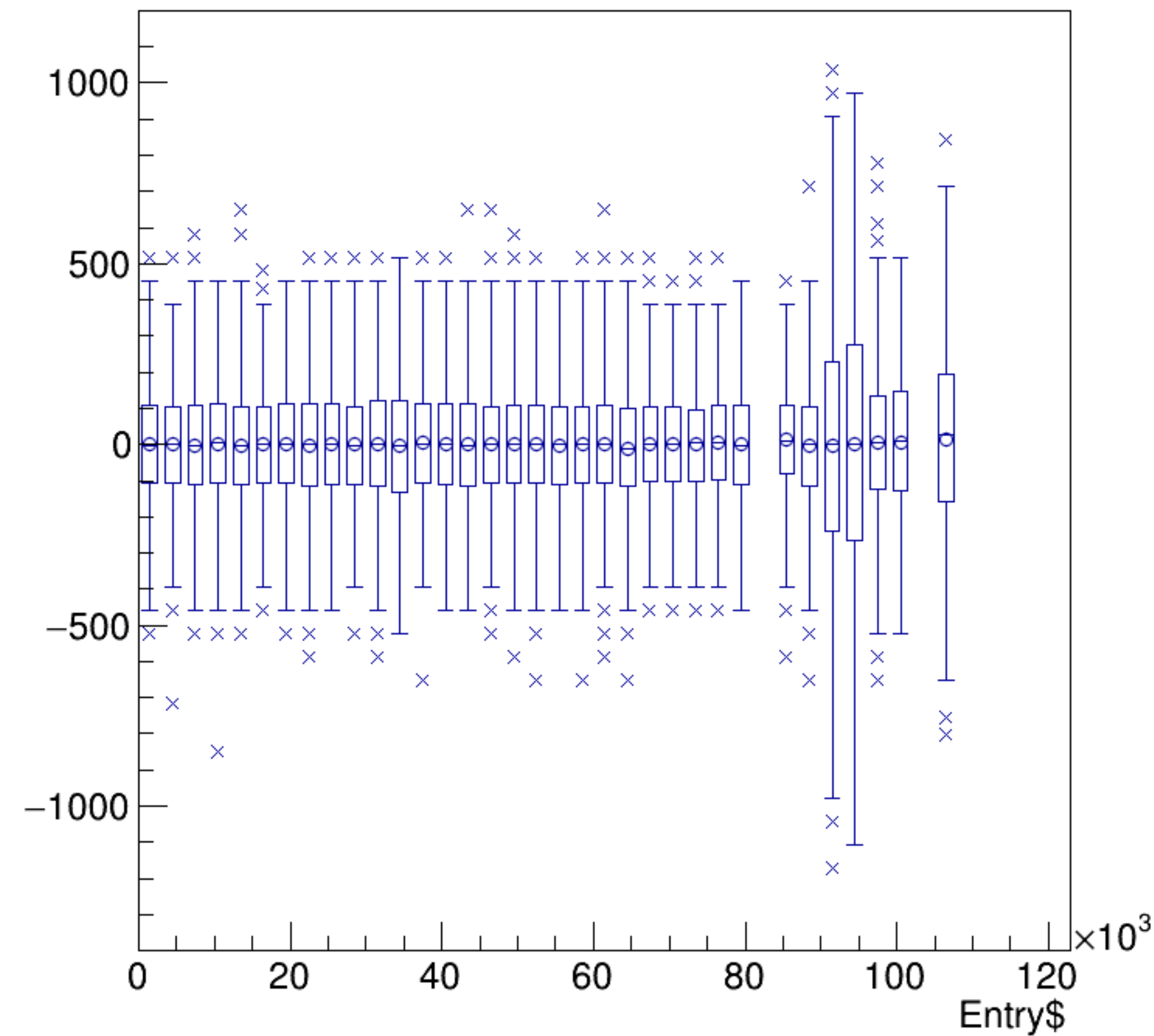


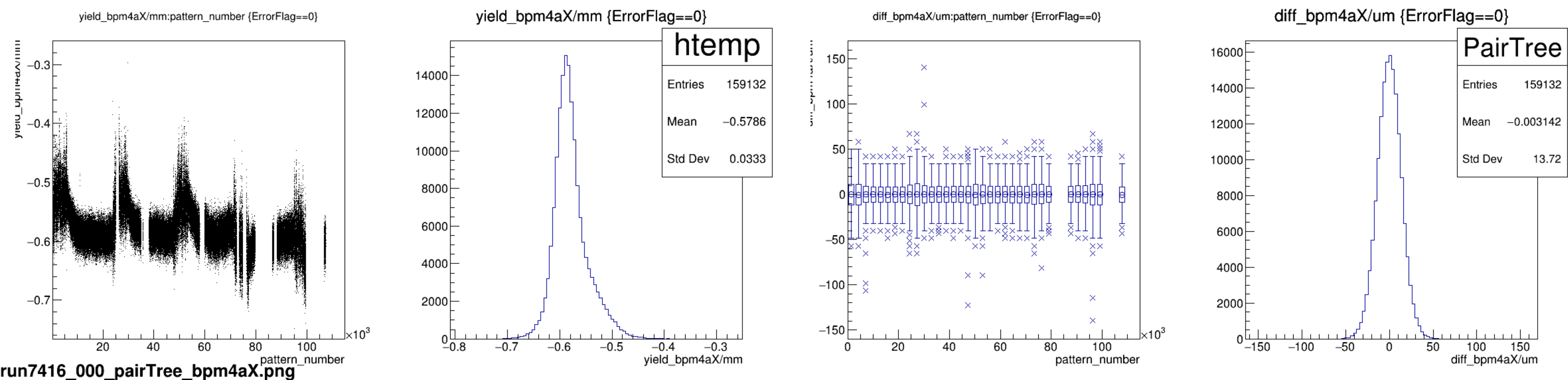
run7416\_000\_bpm\_asym\_bcm\_an\_us.png

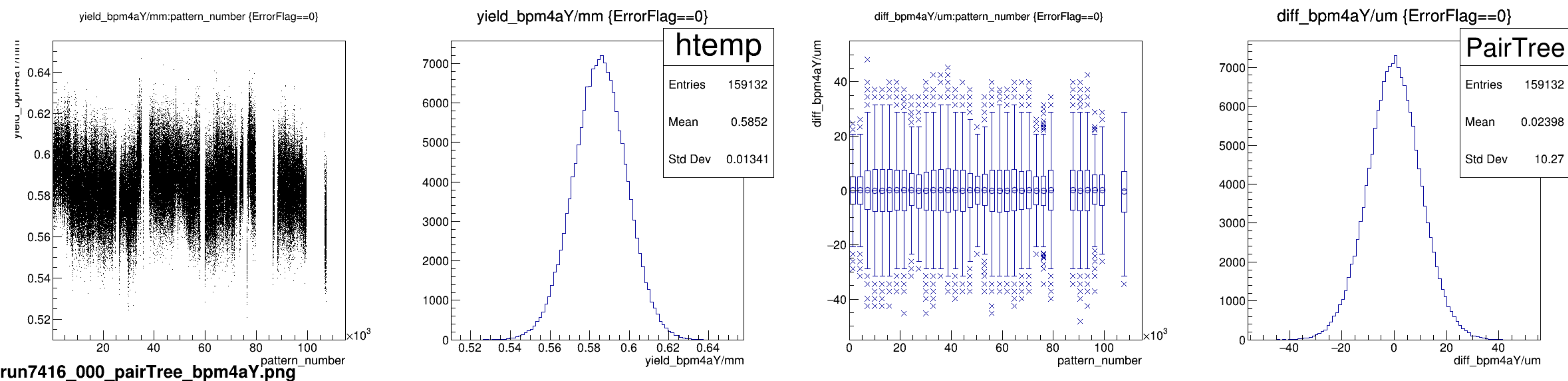
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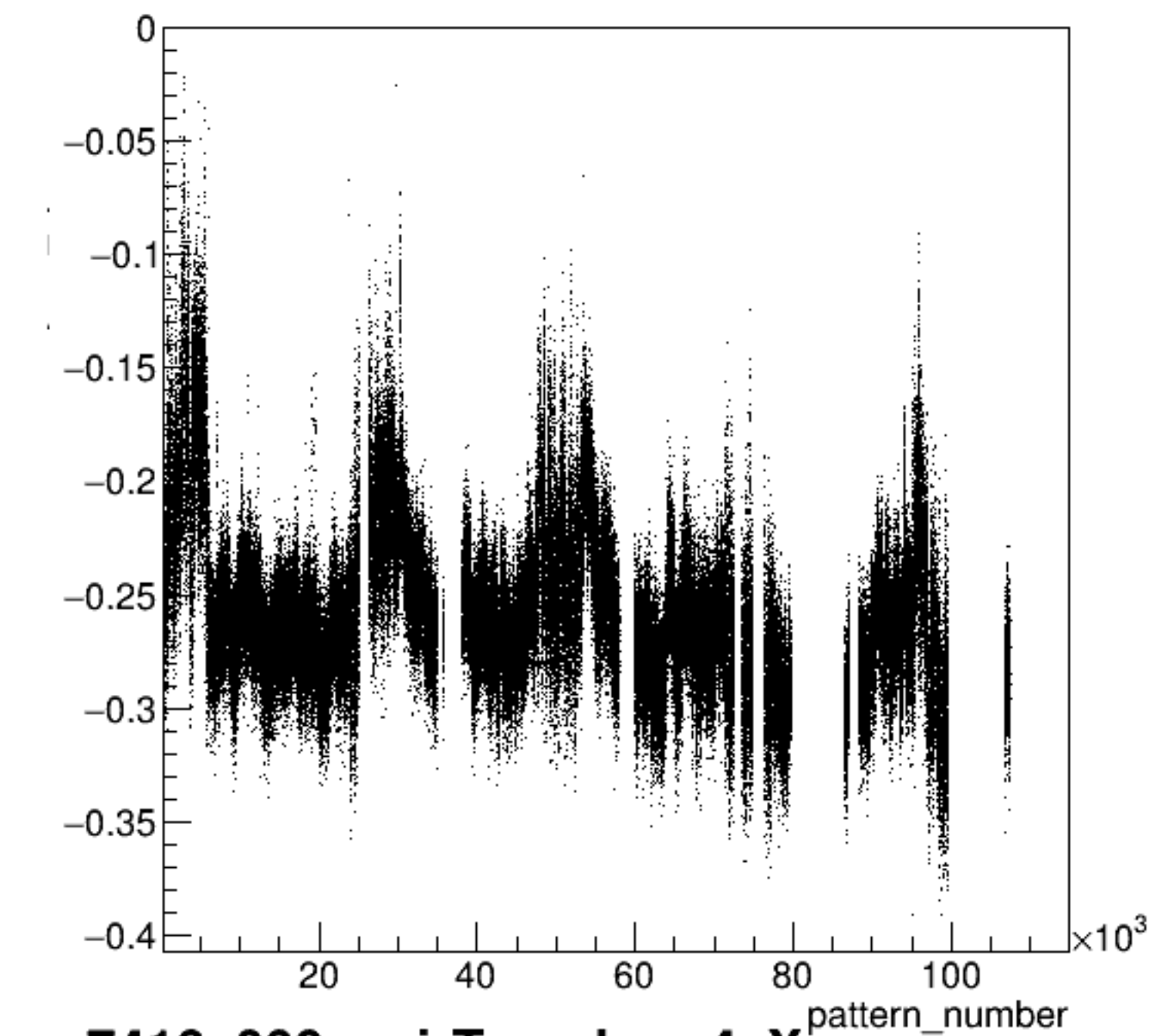
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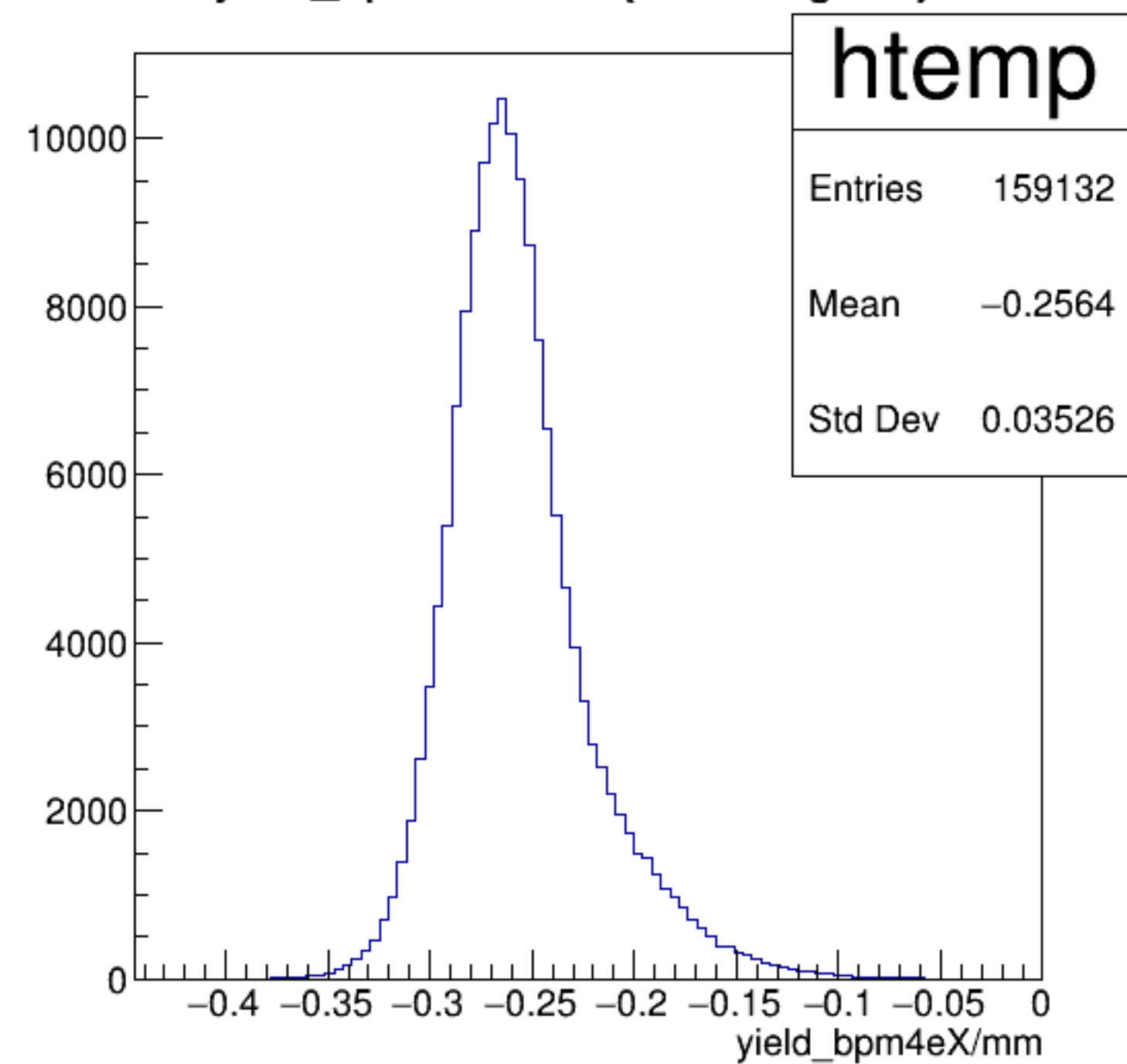


yield\_bpm4eX/mm:pattern\_number {ErrorFlag==0}

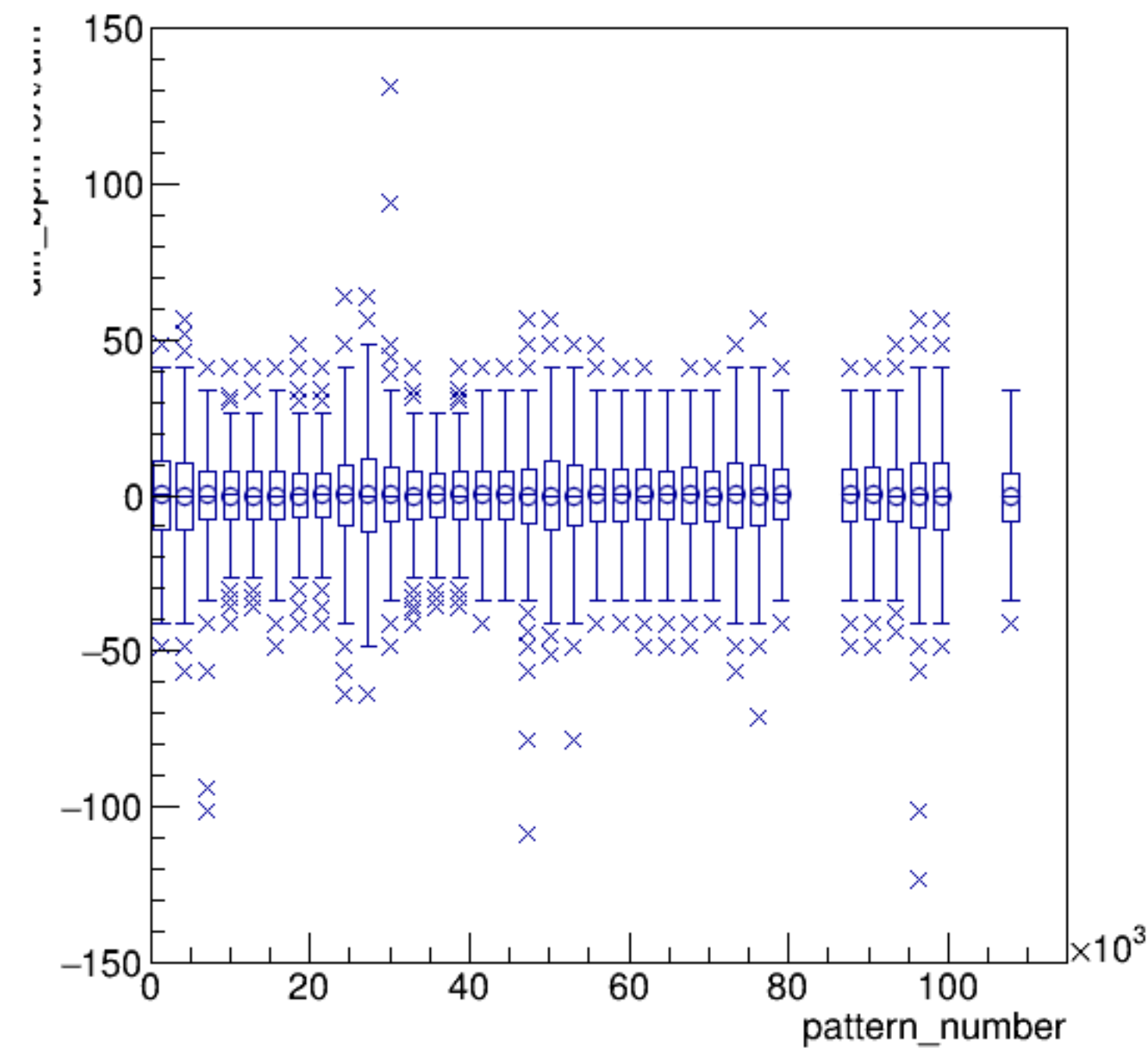


run7416\_000\_pairTree\_bpm4eX.png

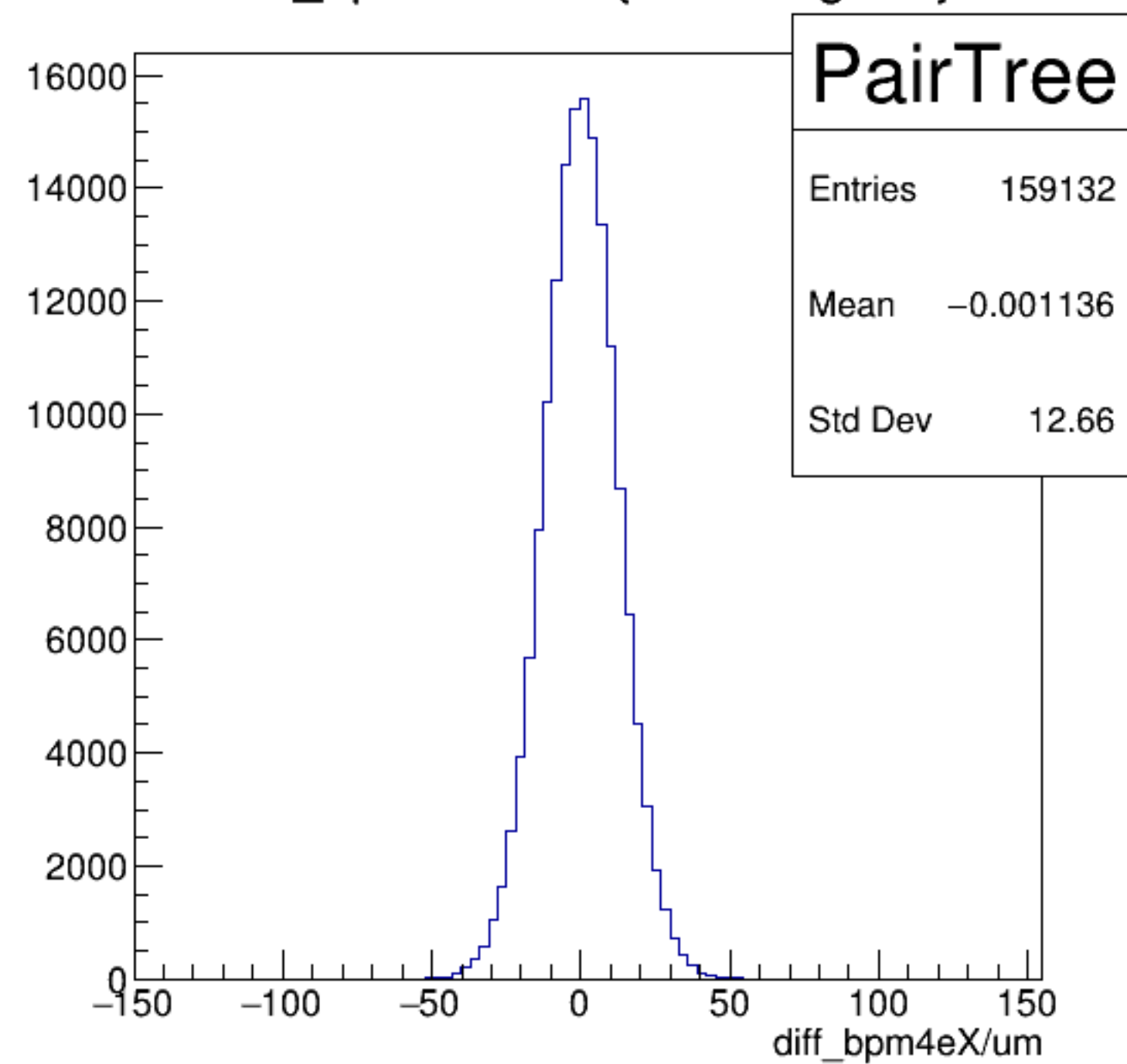
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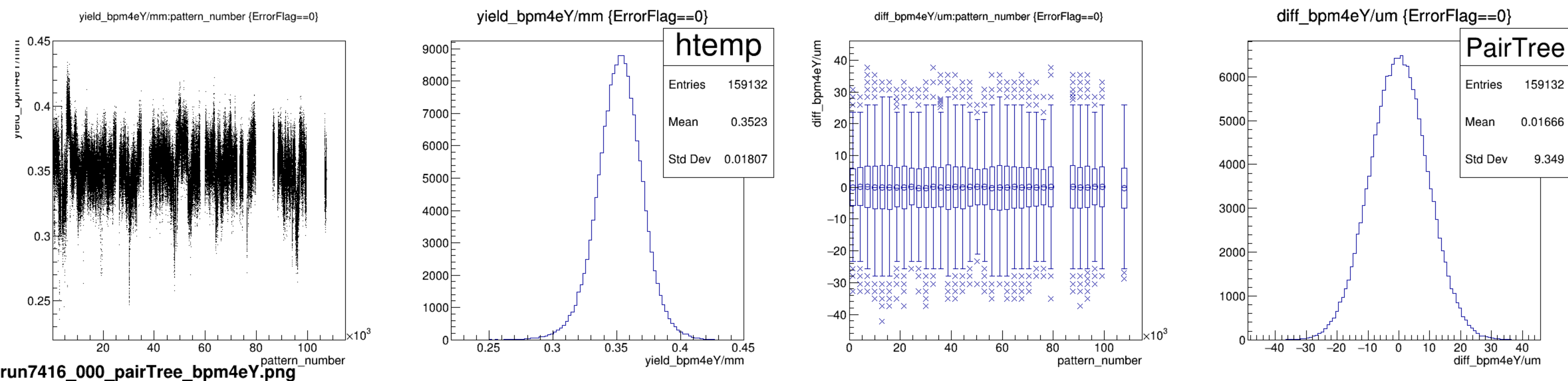


diff\_bpm4eX/um:pattern\_number {ErrorFlag==0}

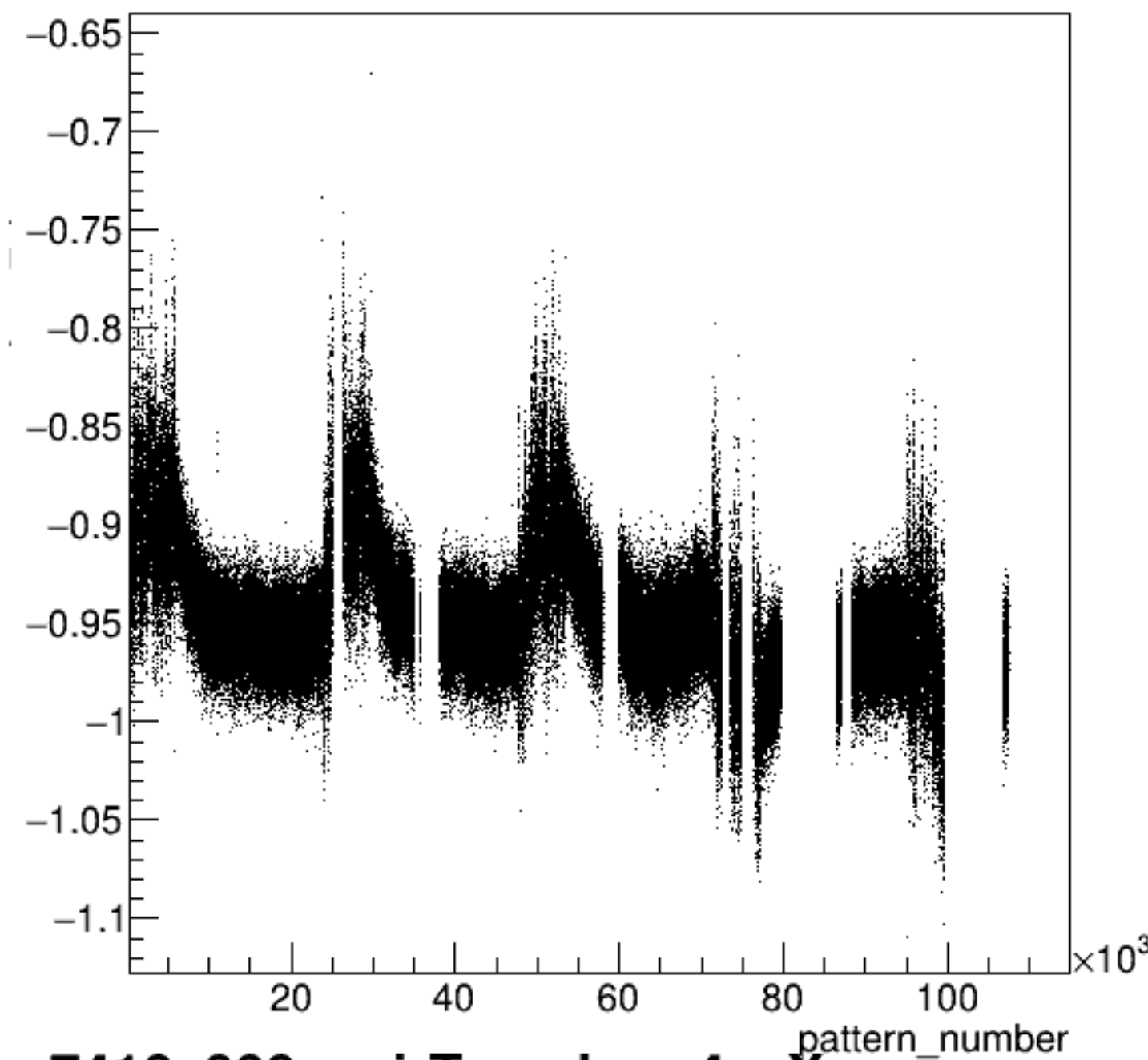


diff\_bpm4eX/um {ErrorFlag==0}



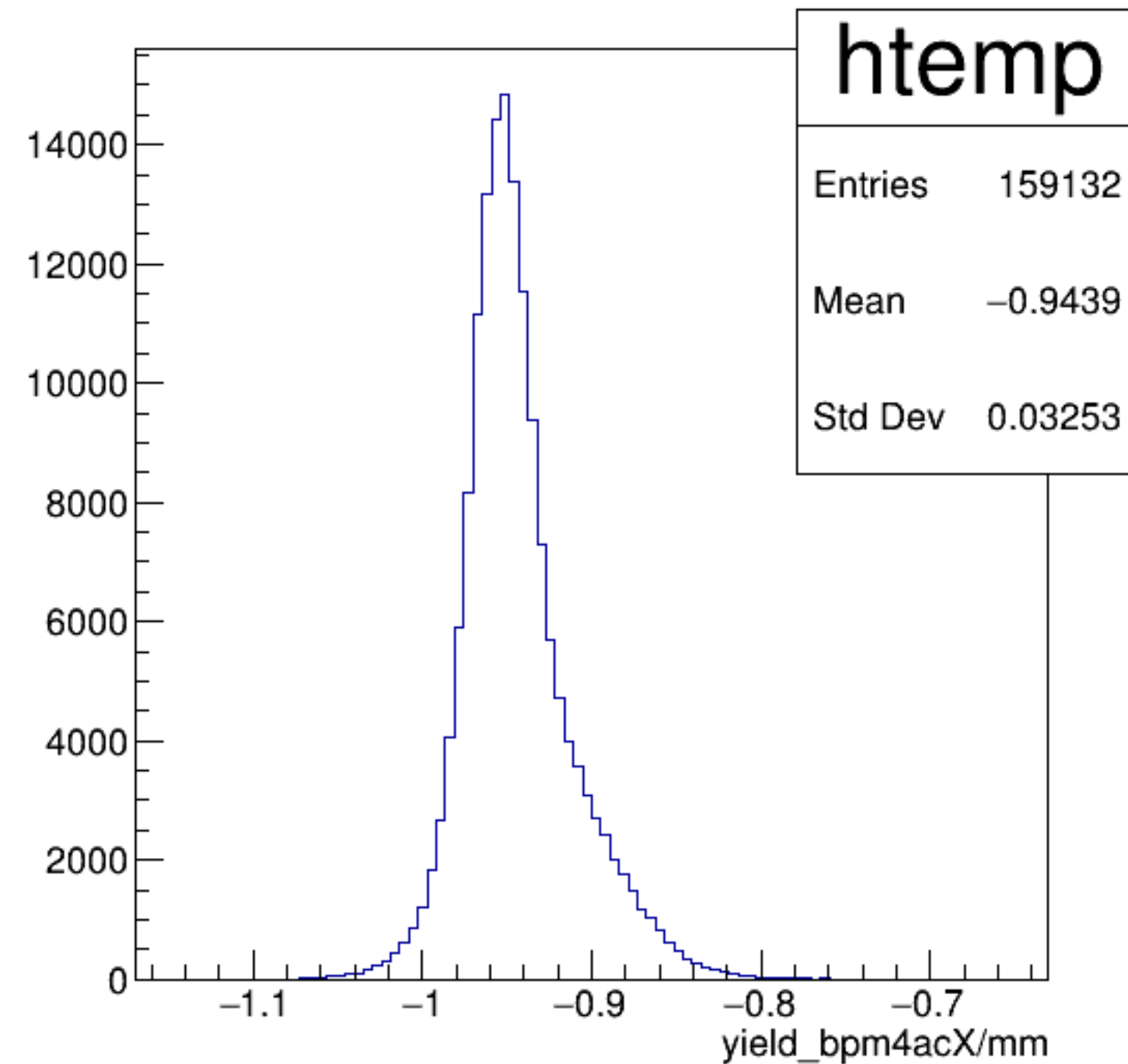


yield\_bpm4acX/mm:pattern\_number {ErrorFlag==0}

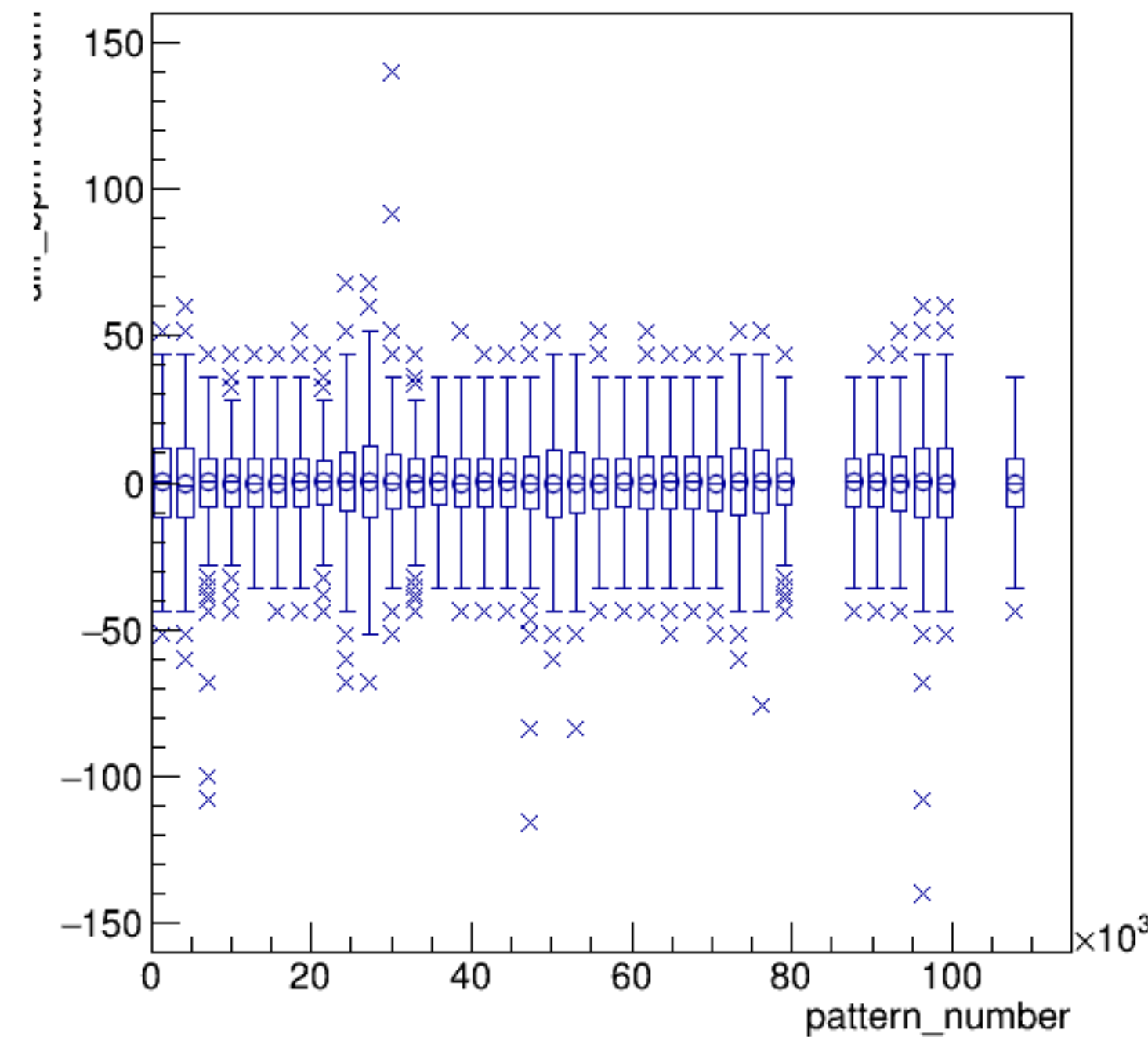


run7416\_000\_pairTree\_bpm4acX.png

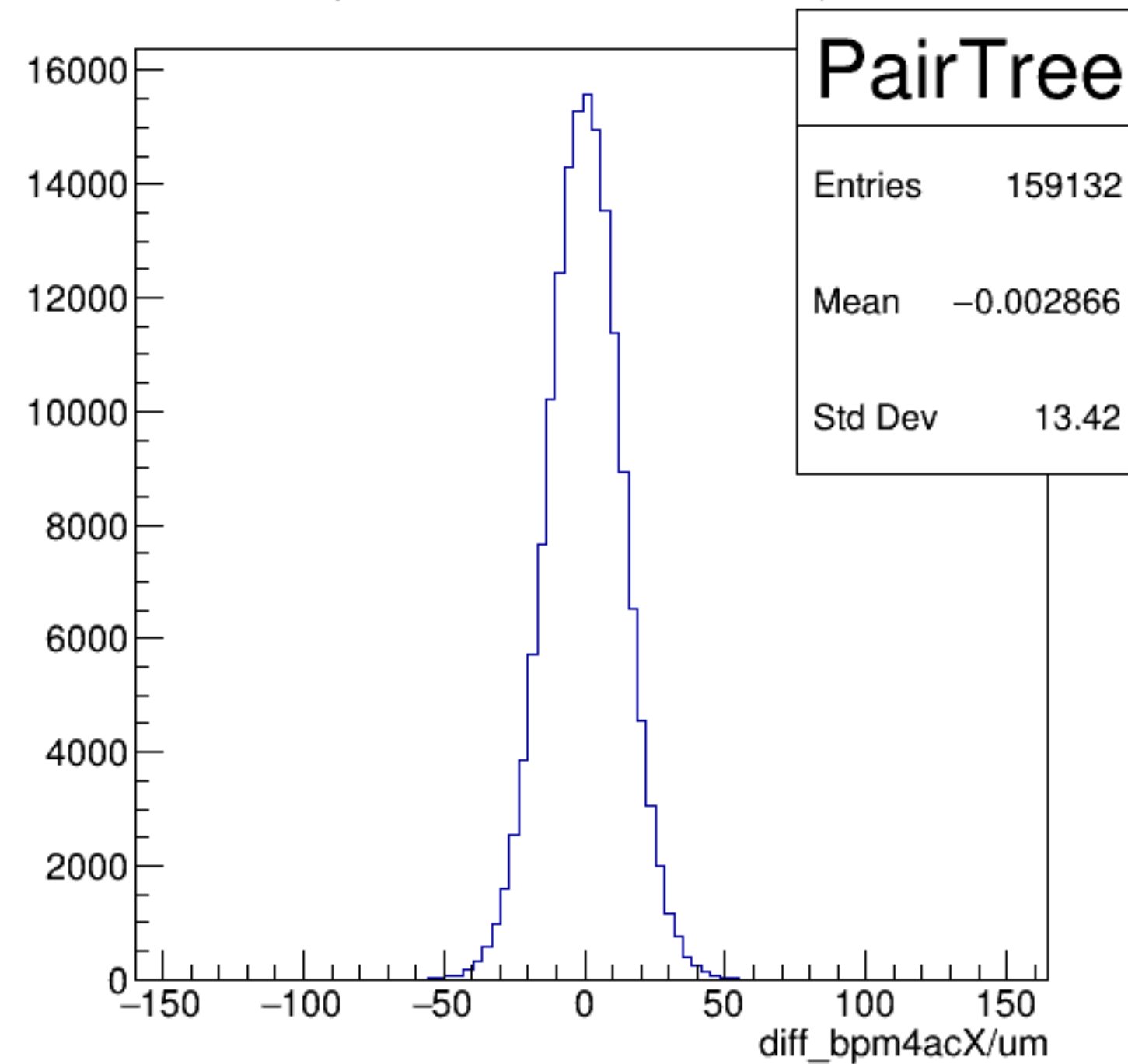
yield\_bpm4acX/mm {ErrorFlag==0}

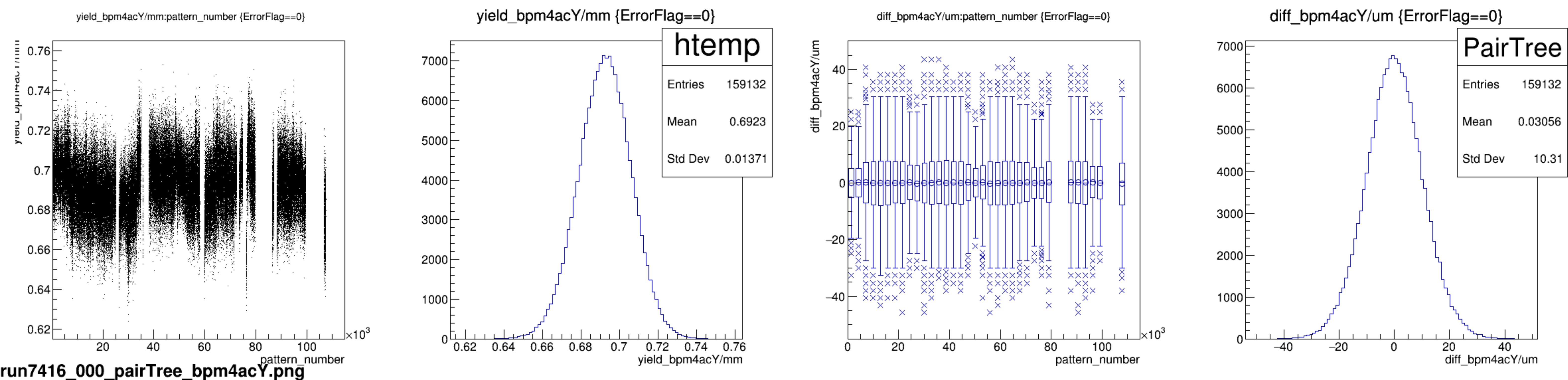


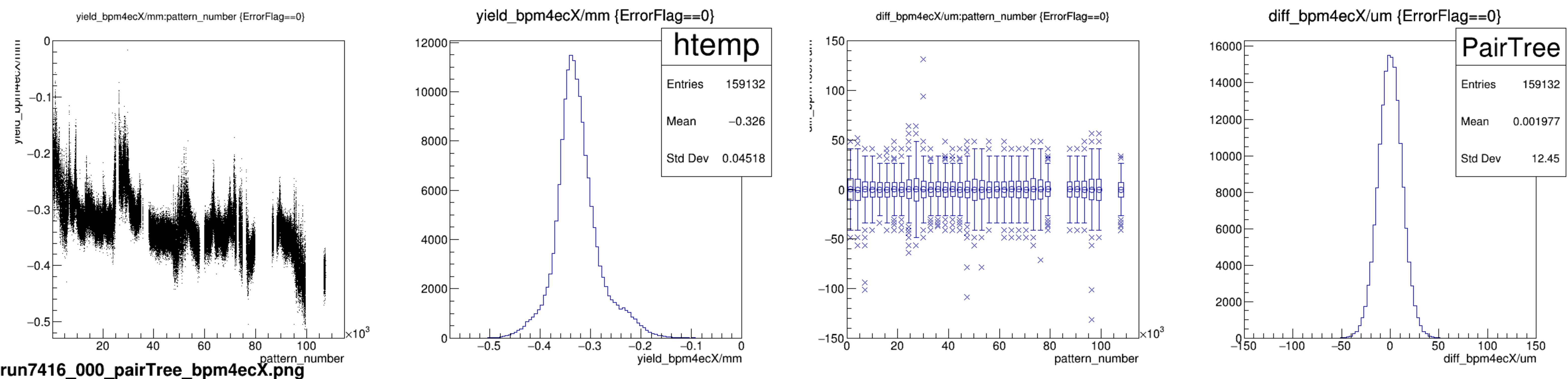
diff\_bpm4acX/um:pattern\_number {ErrorFlag==0}



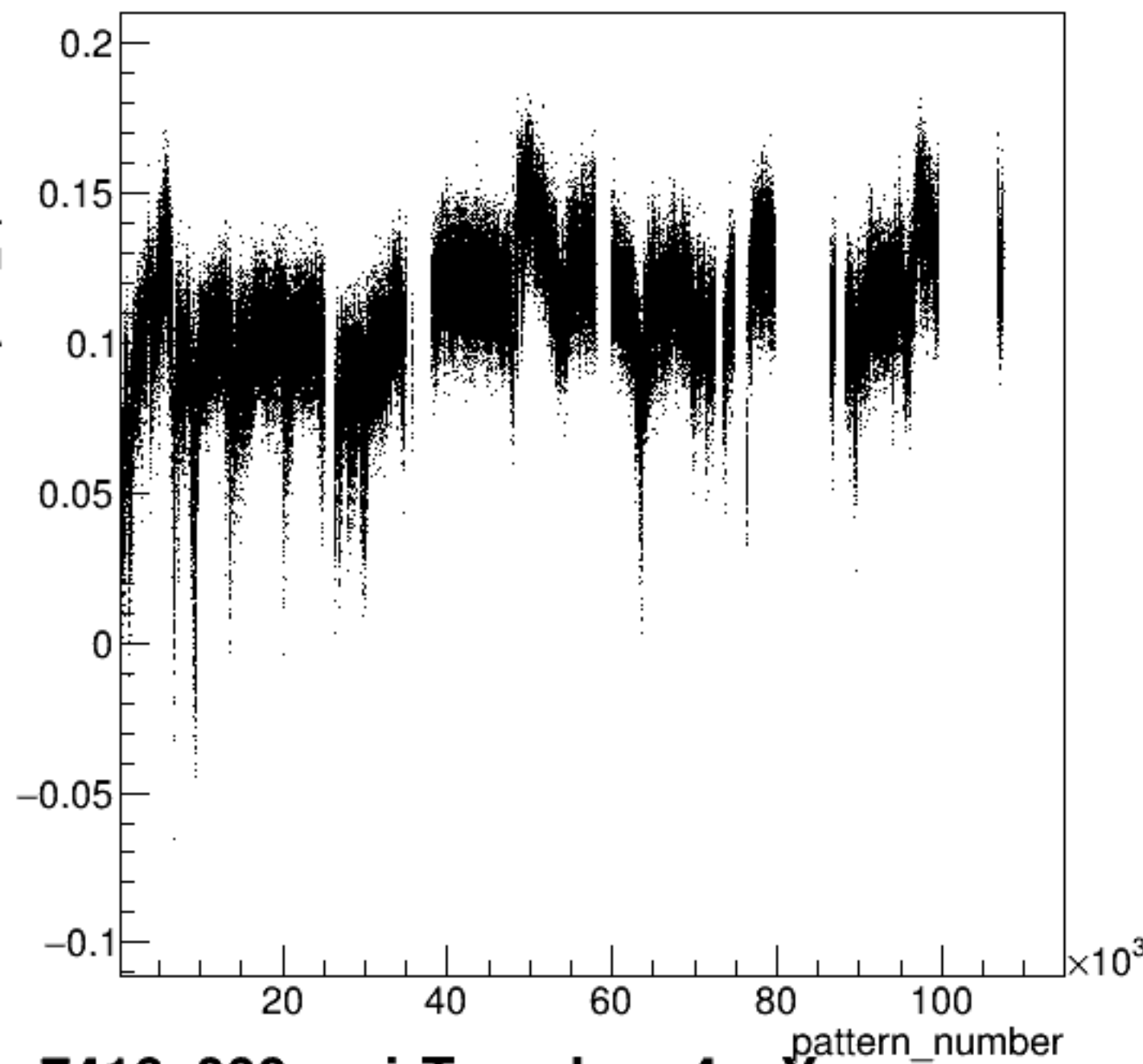
diff\_bpm4acX/um {ErrorFlag==0}



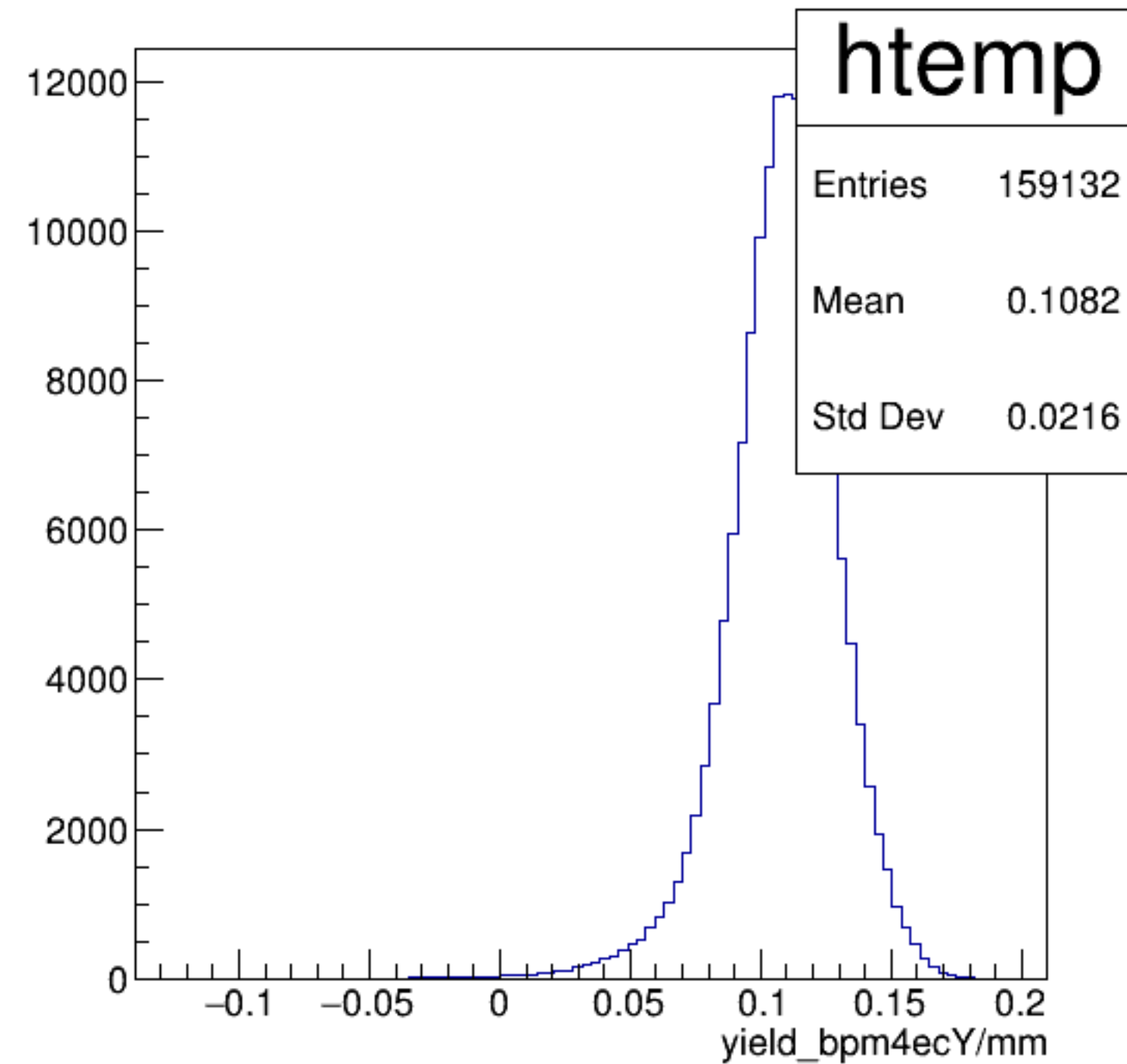




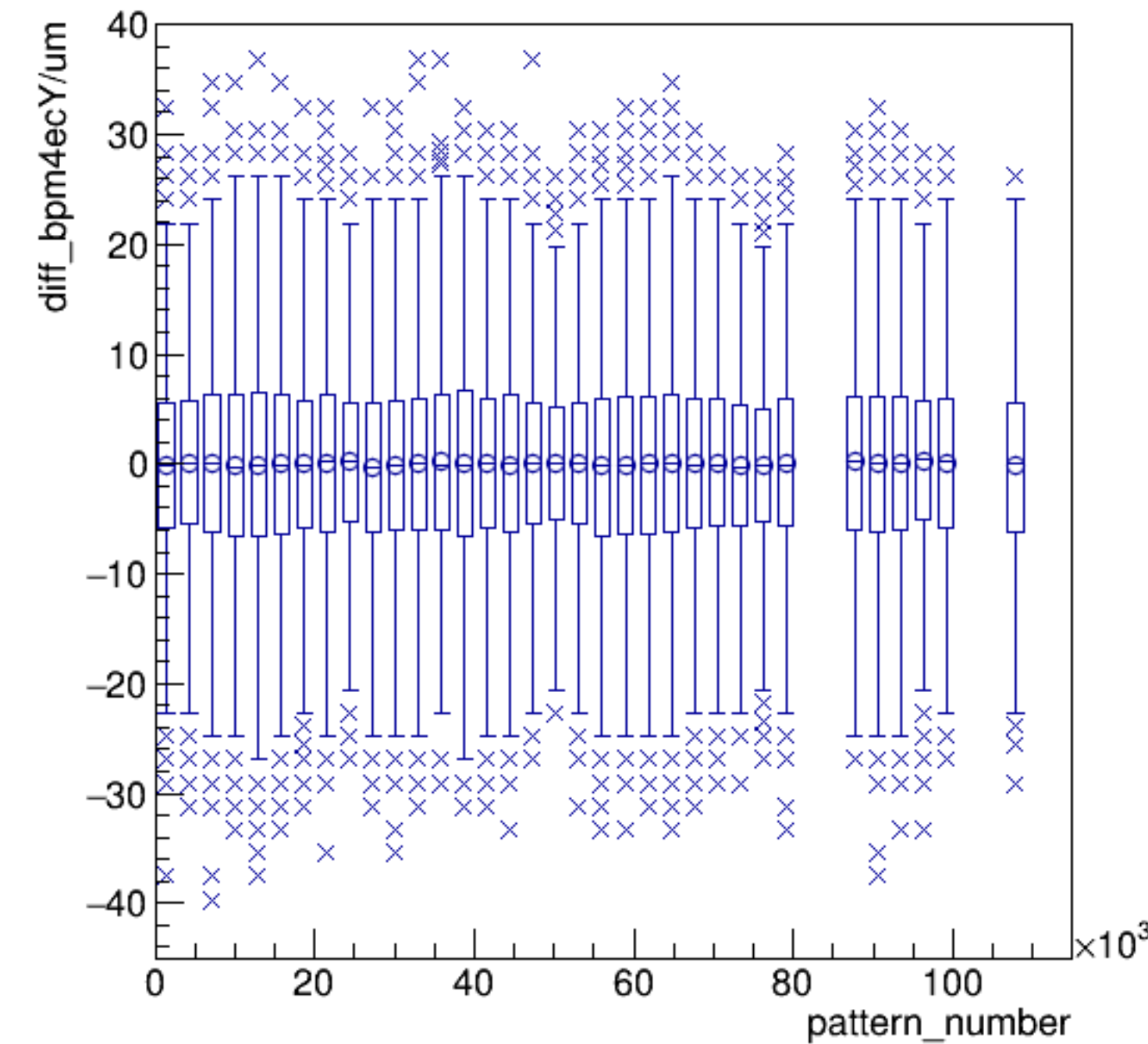
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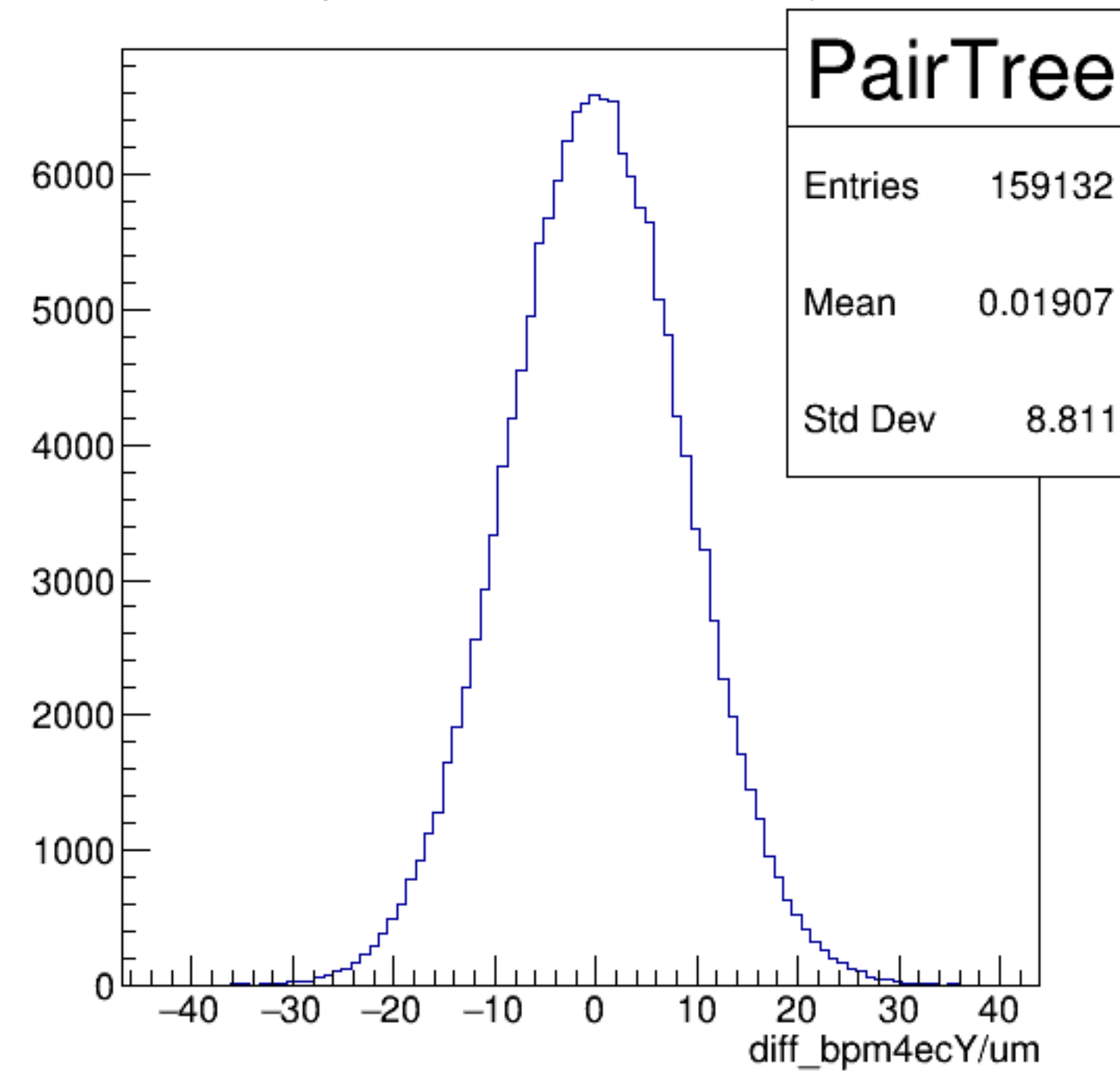
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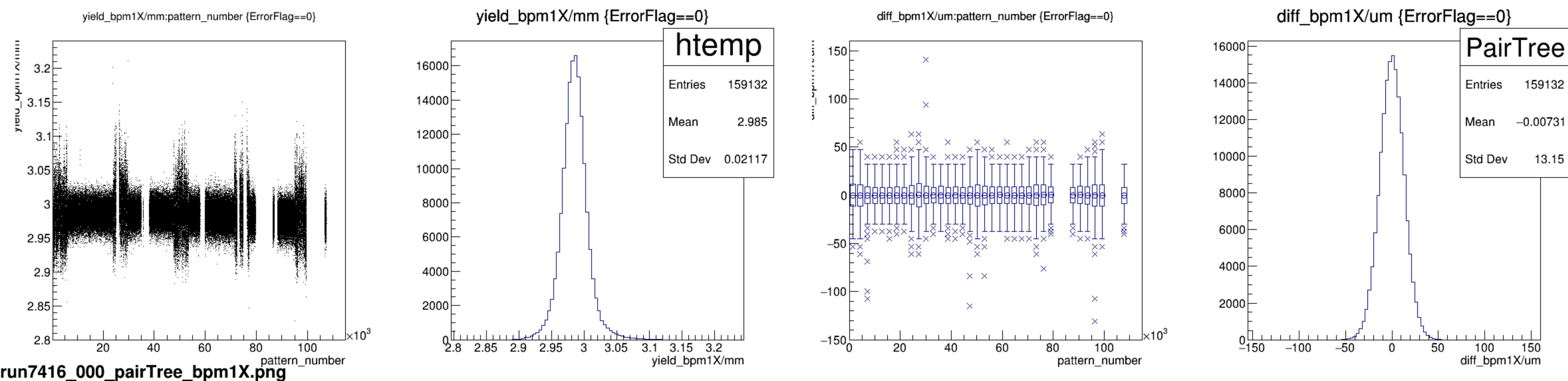


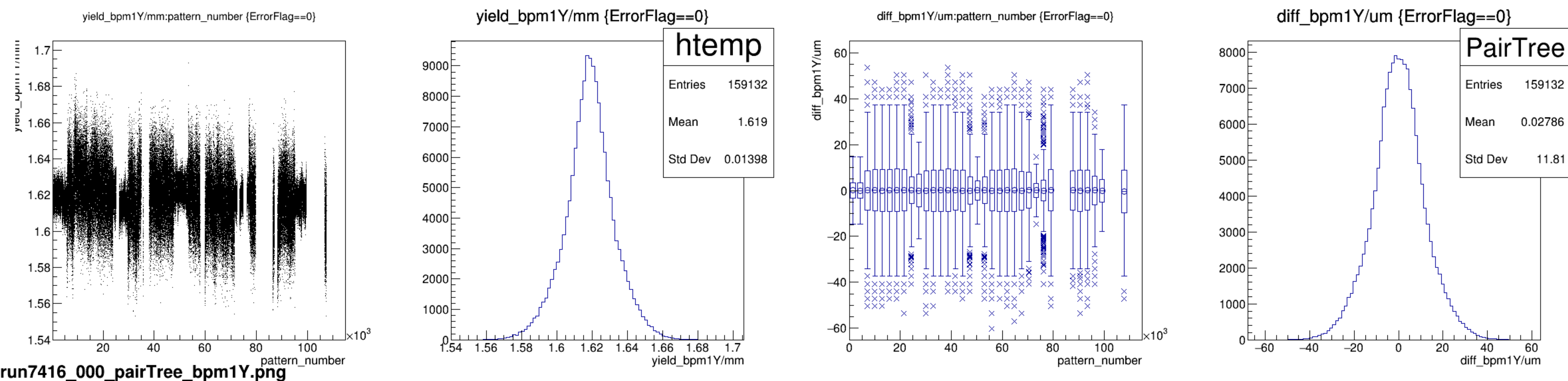
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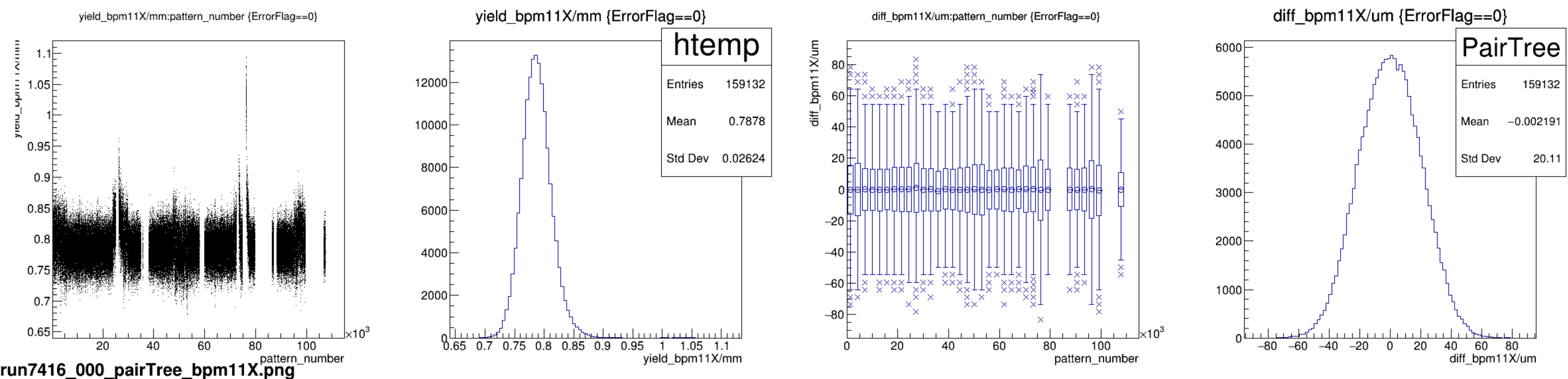


diff\_bpm4ecY/um {ErrorFlag==0}

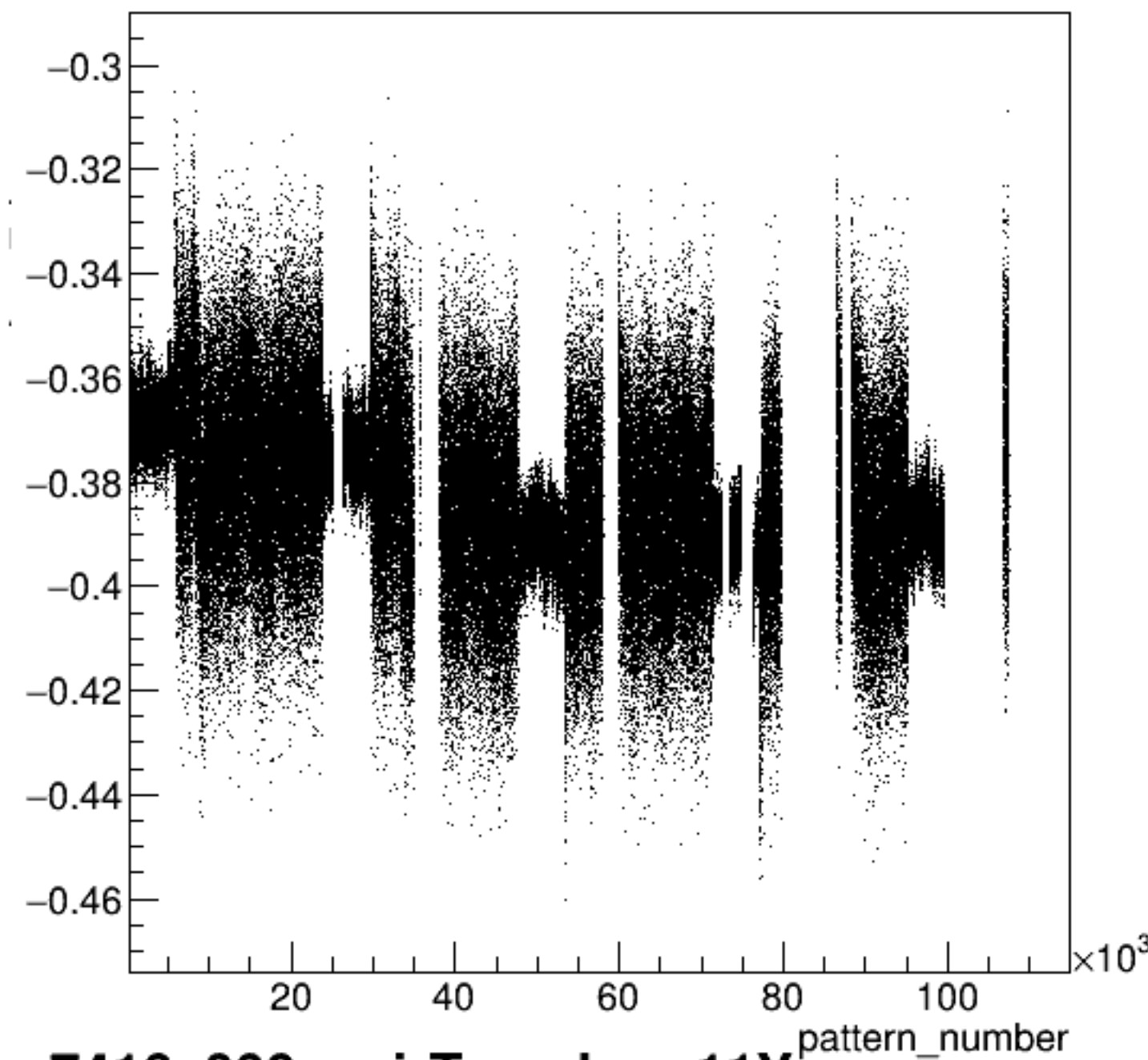






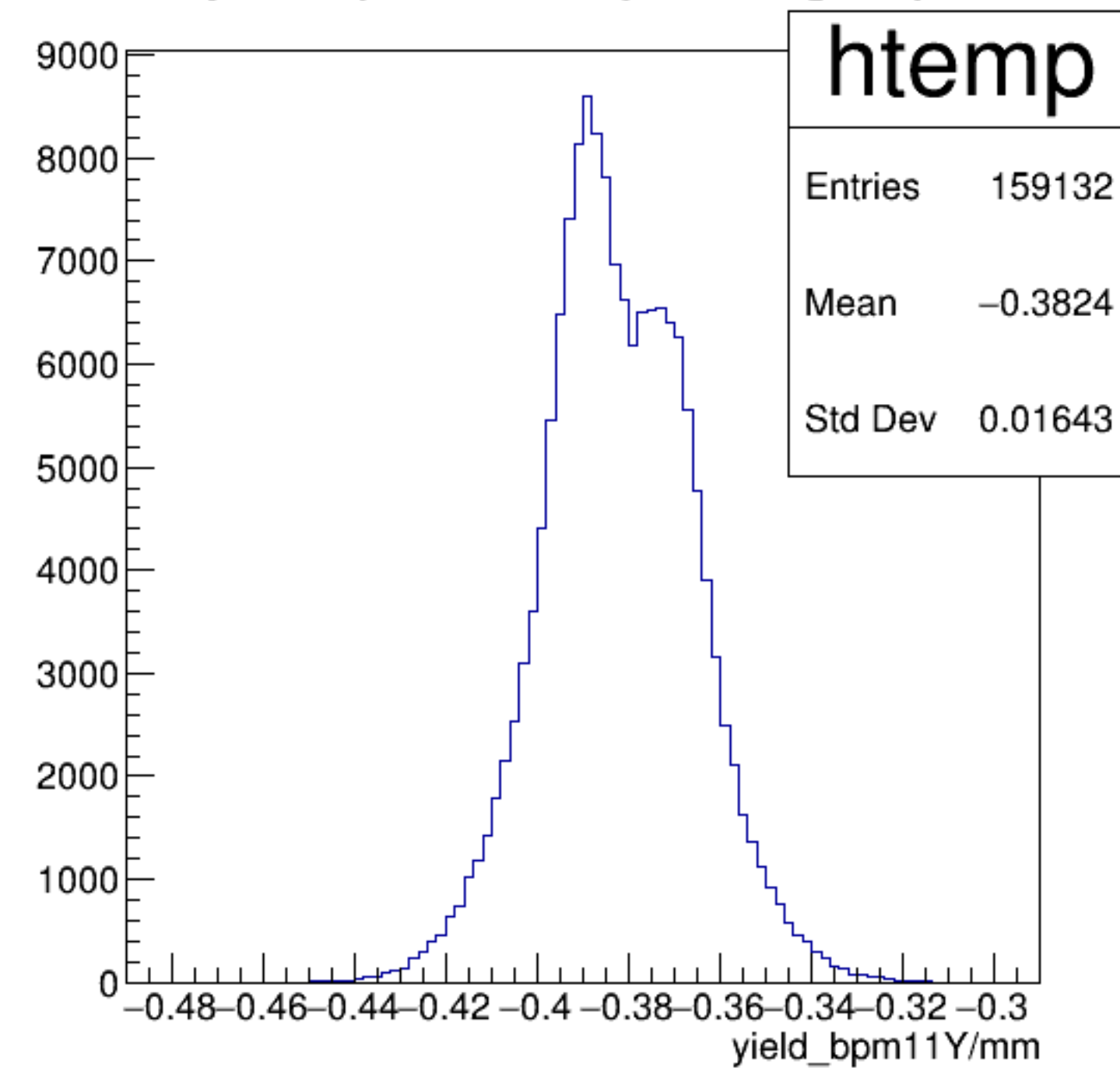


yield\_bpm11Y/mm:pattern\_number {ErrorFlag==0}

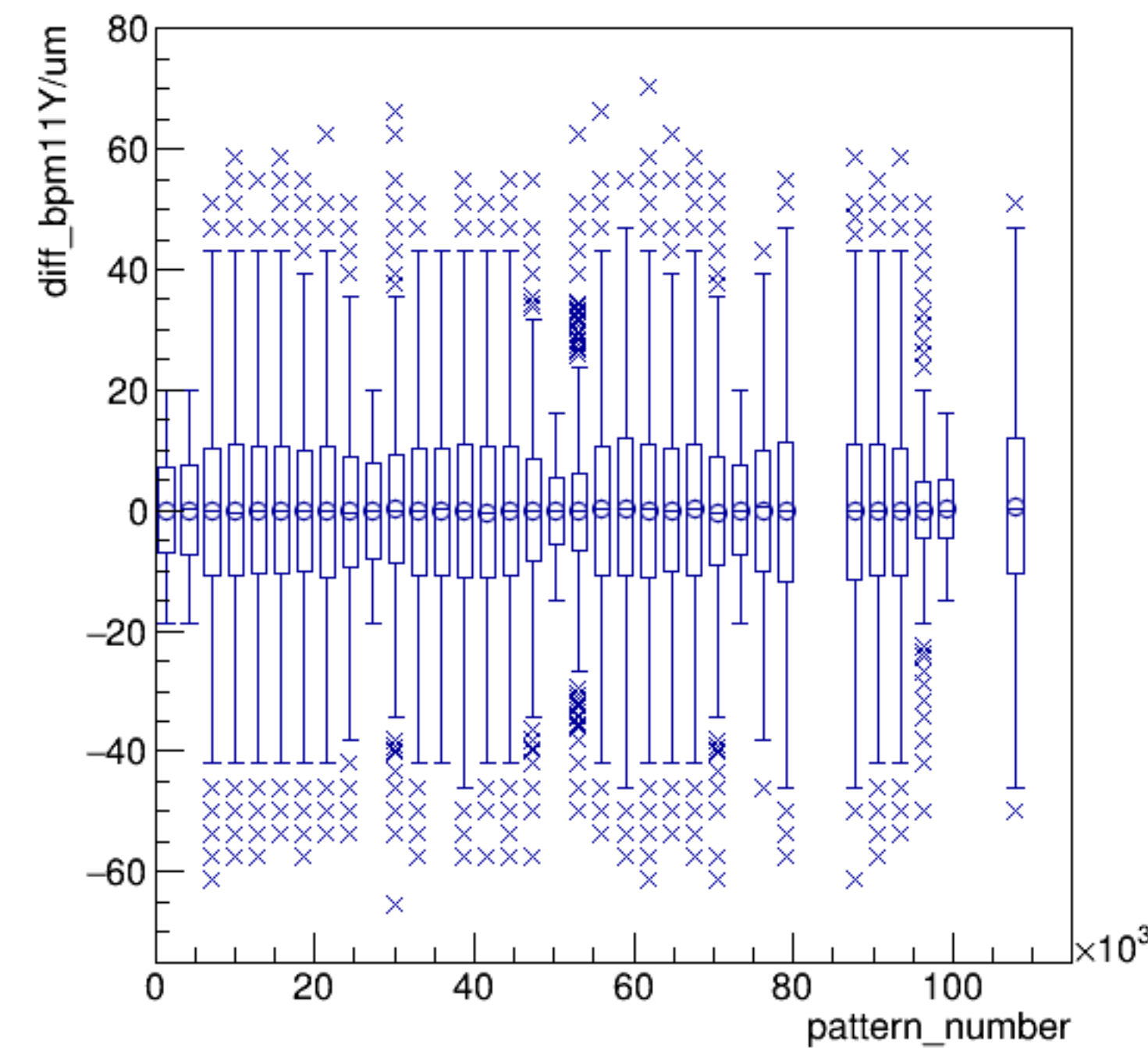


run7416\_000\_pairTree\_bpm11Y.png

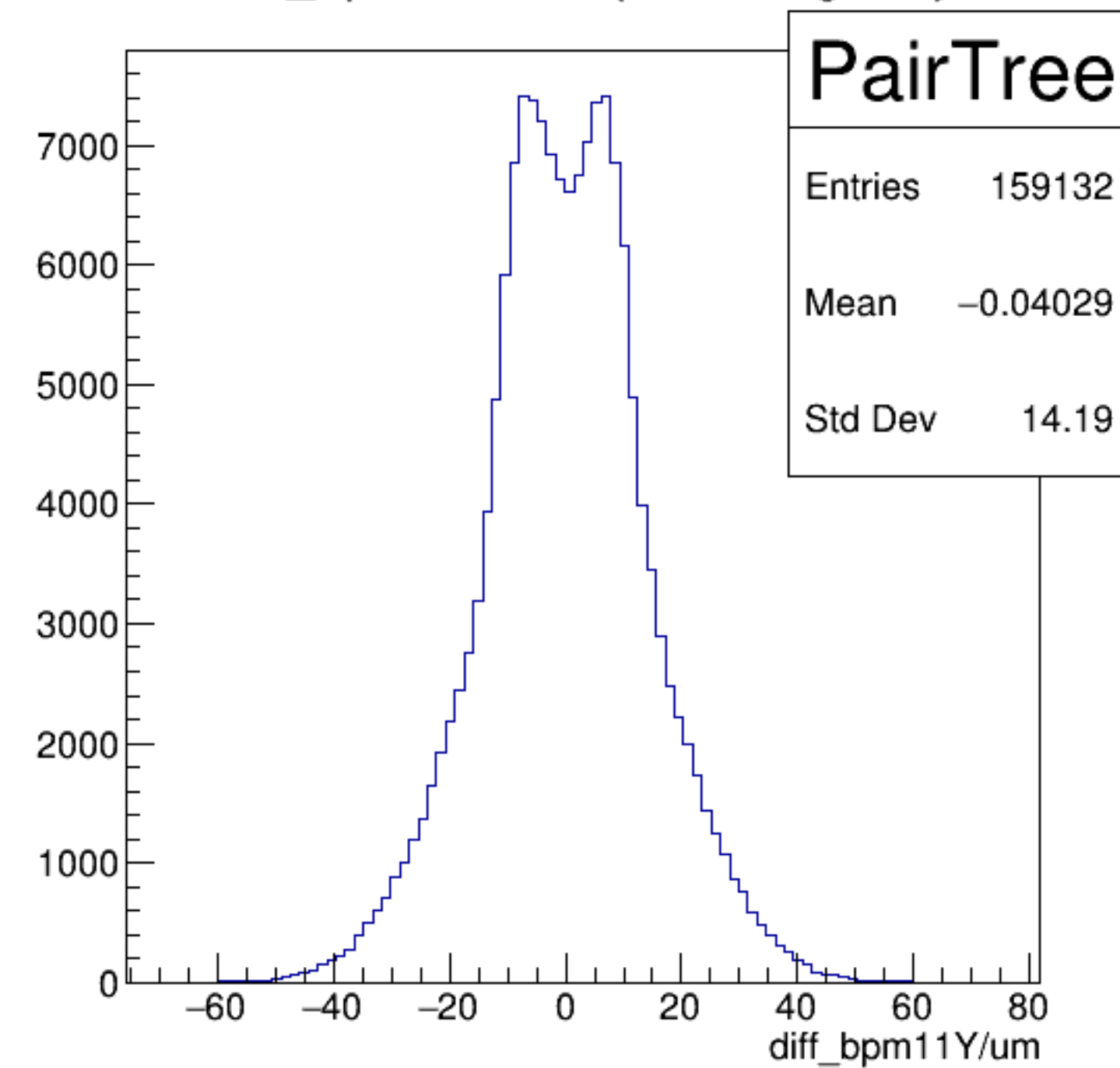
yield\_bpm11Y/mm {ErrorFlag==0}



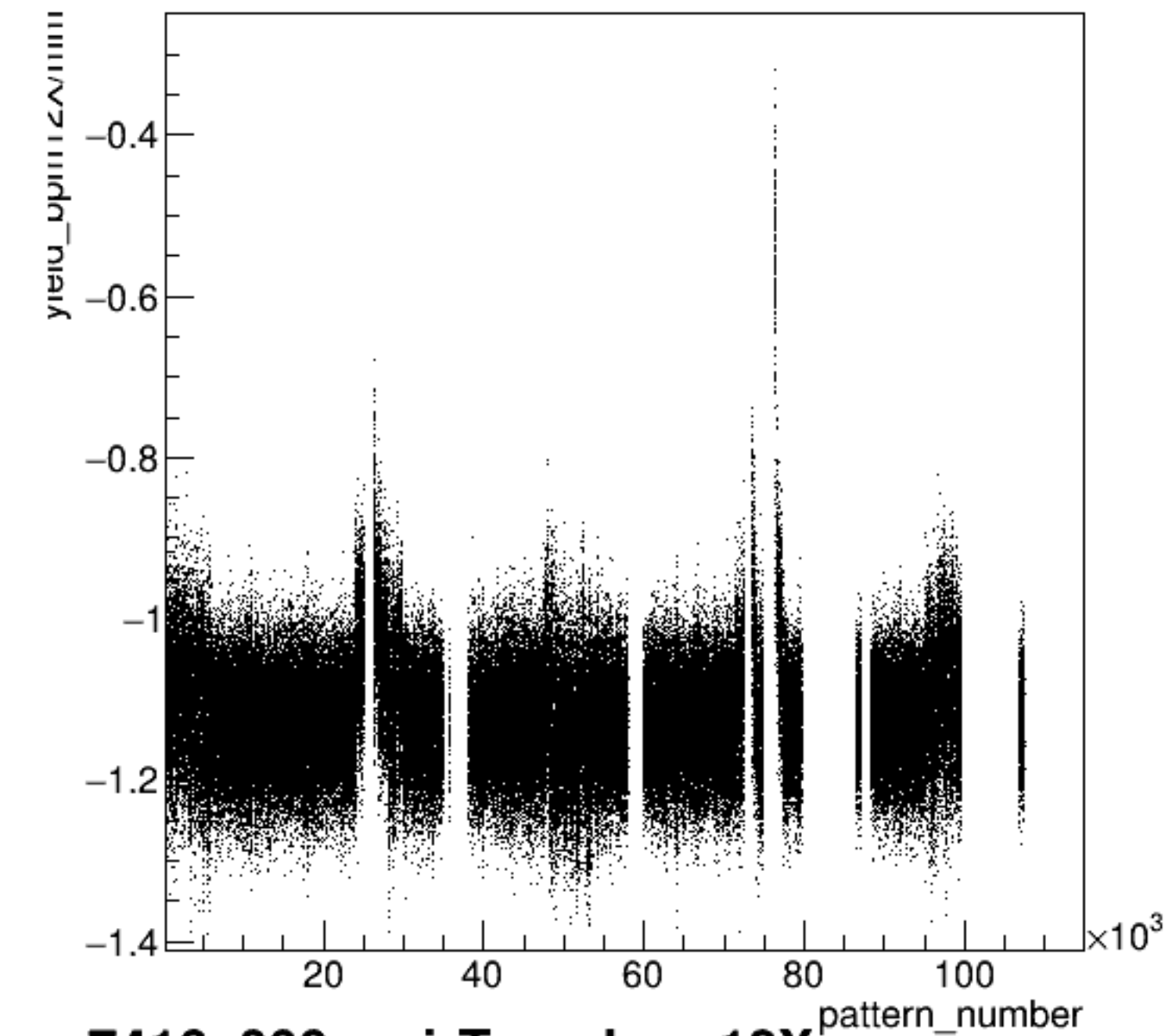
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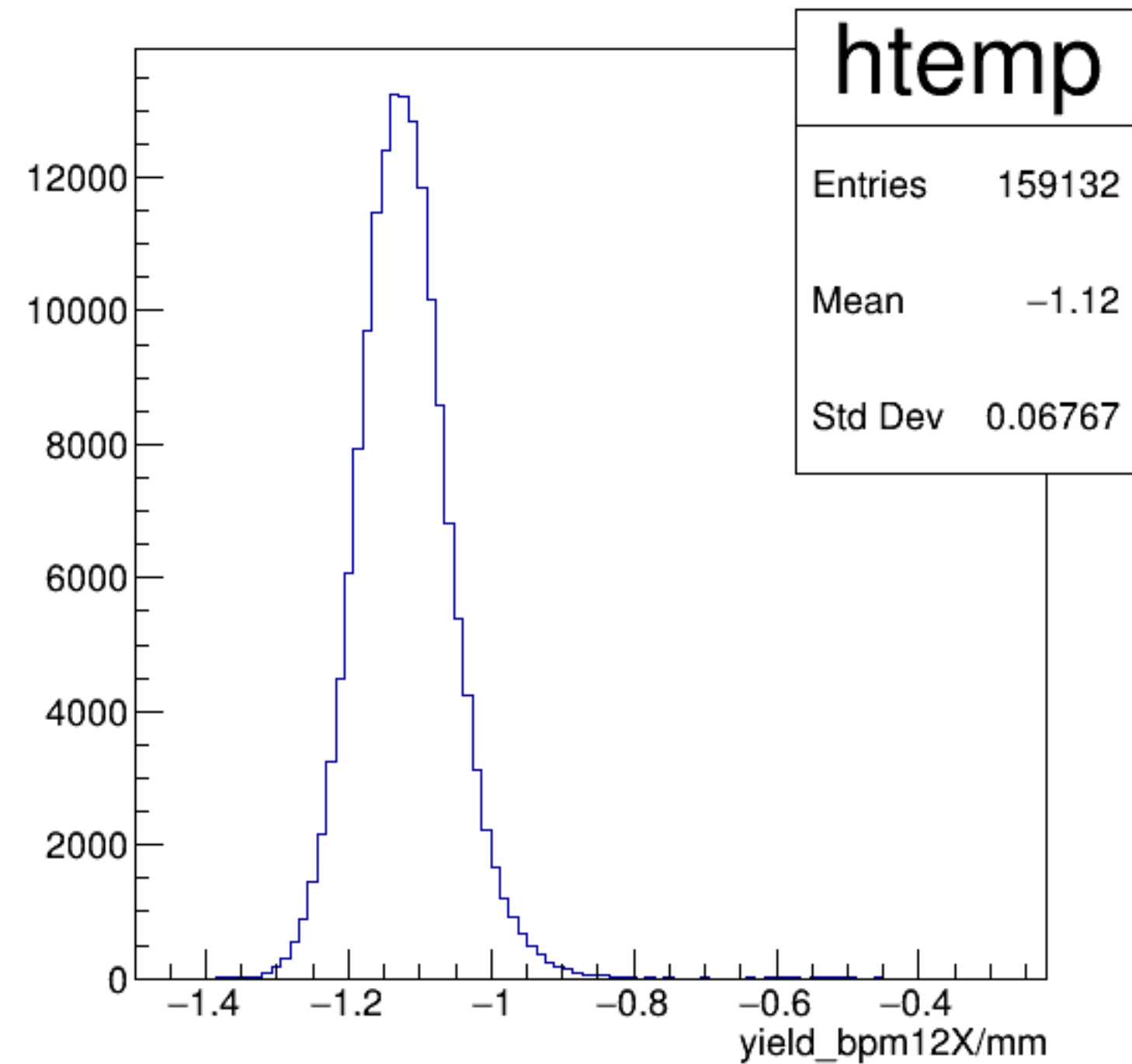


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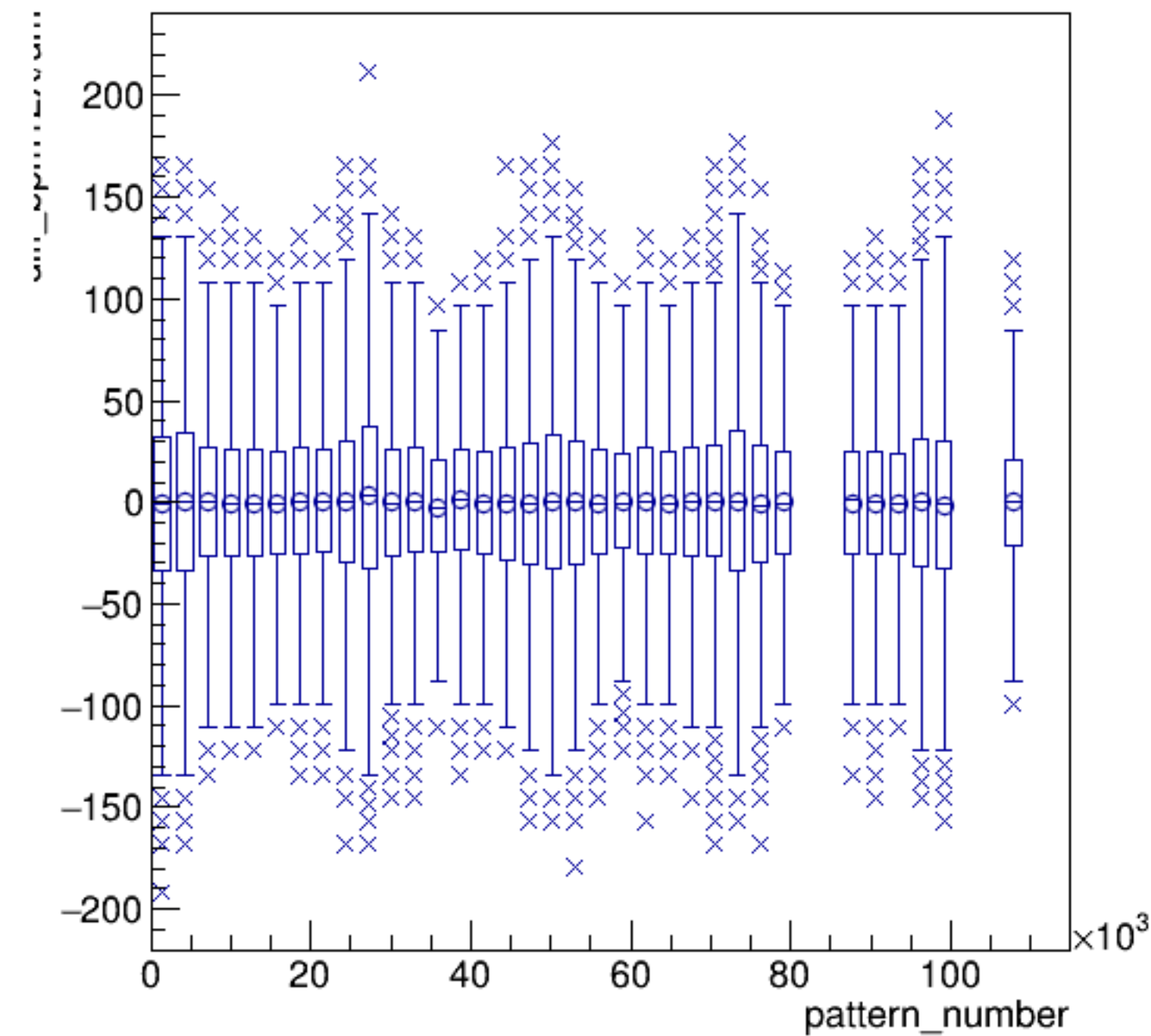


run7416\_000\_pairTree\_bpm12X.png

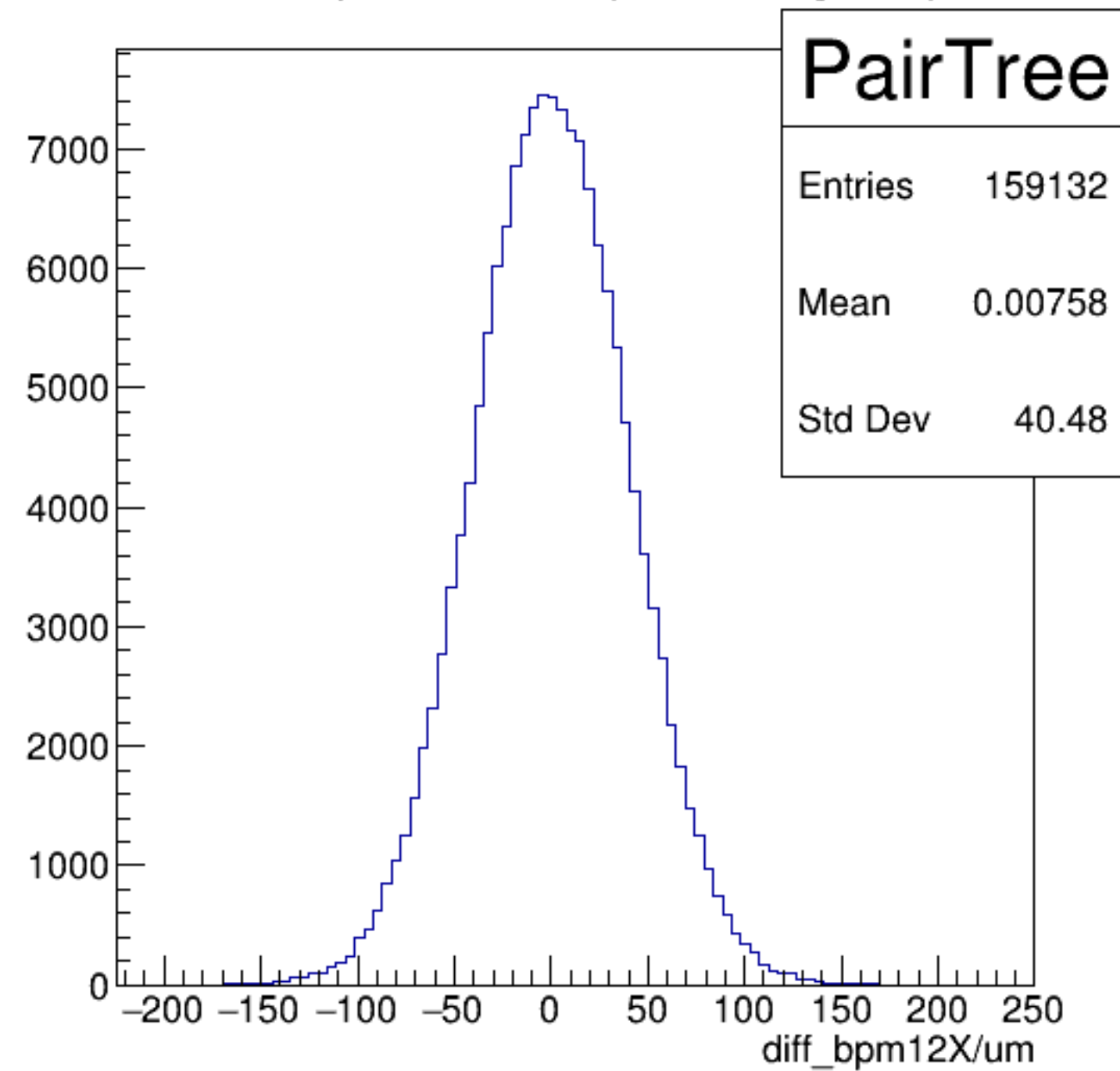
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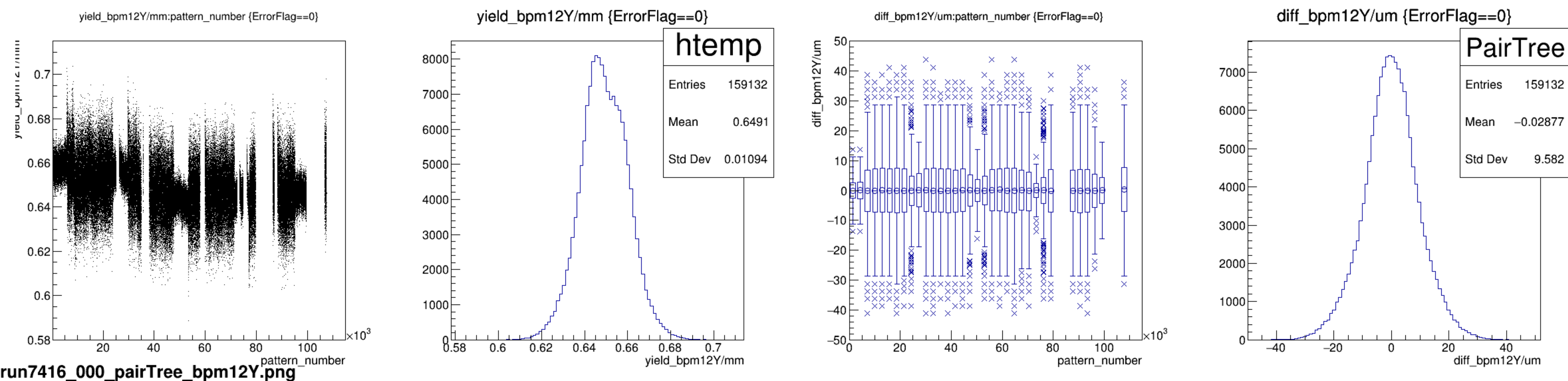


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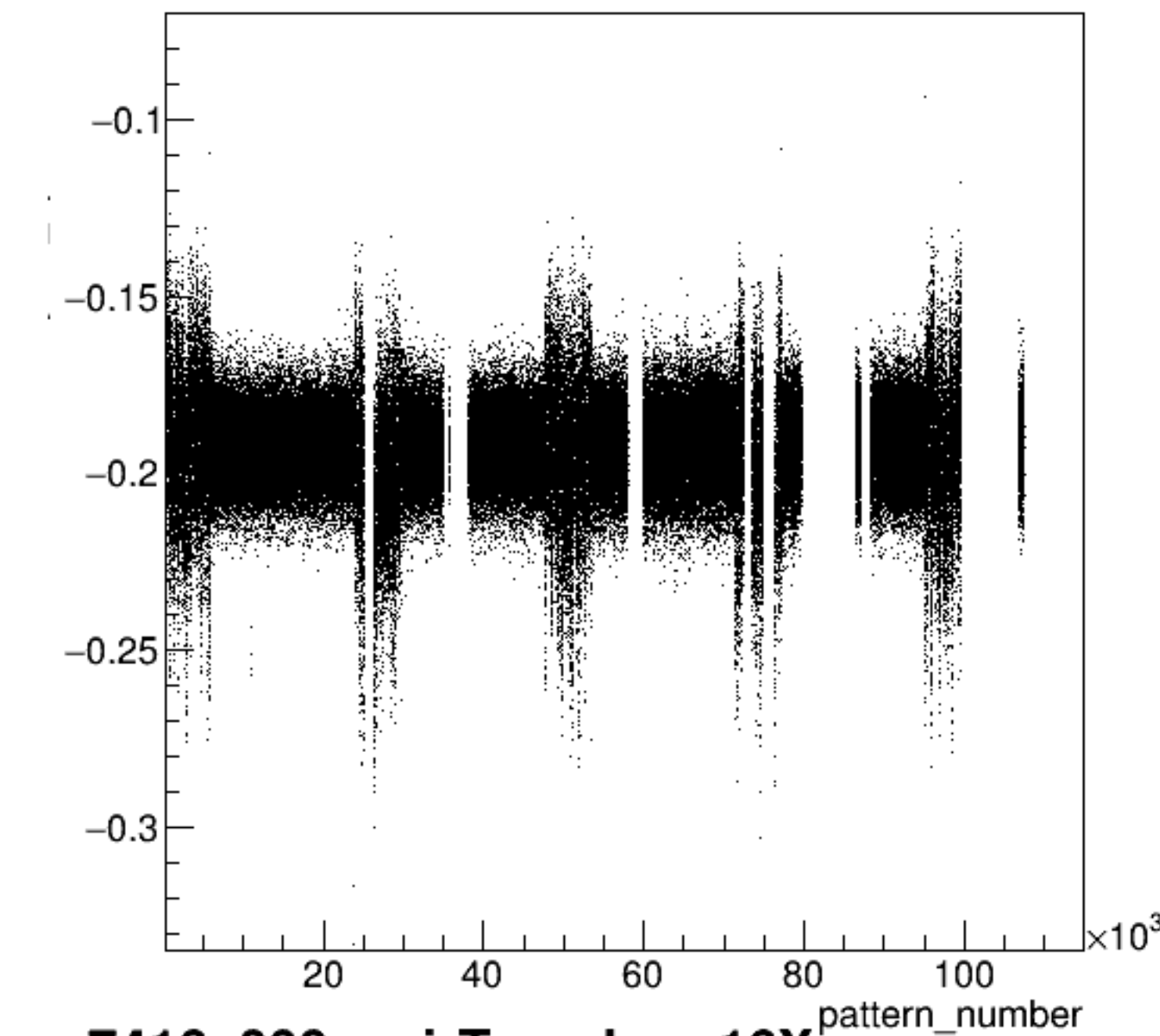


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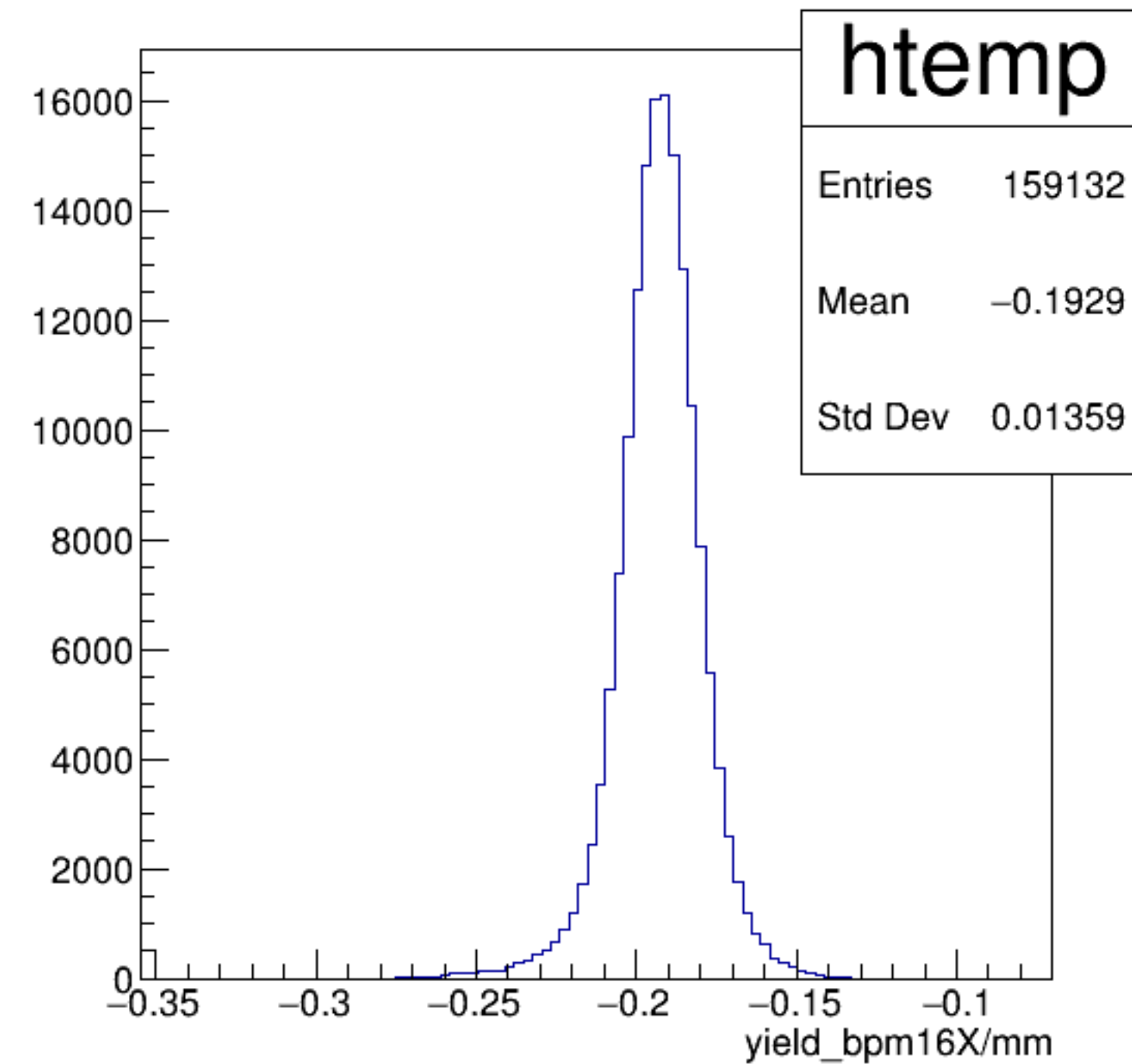


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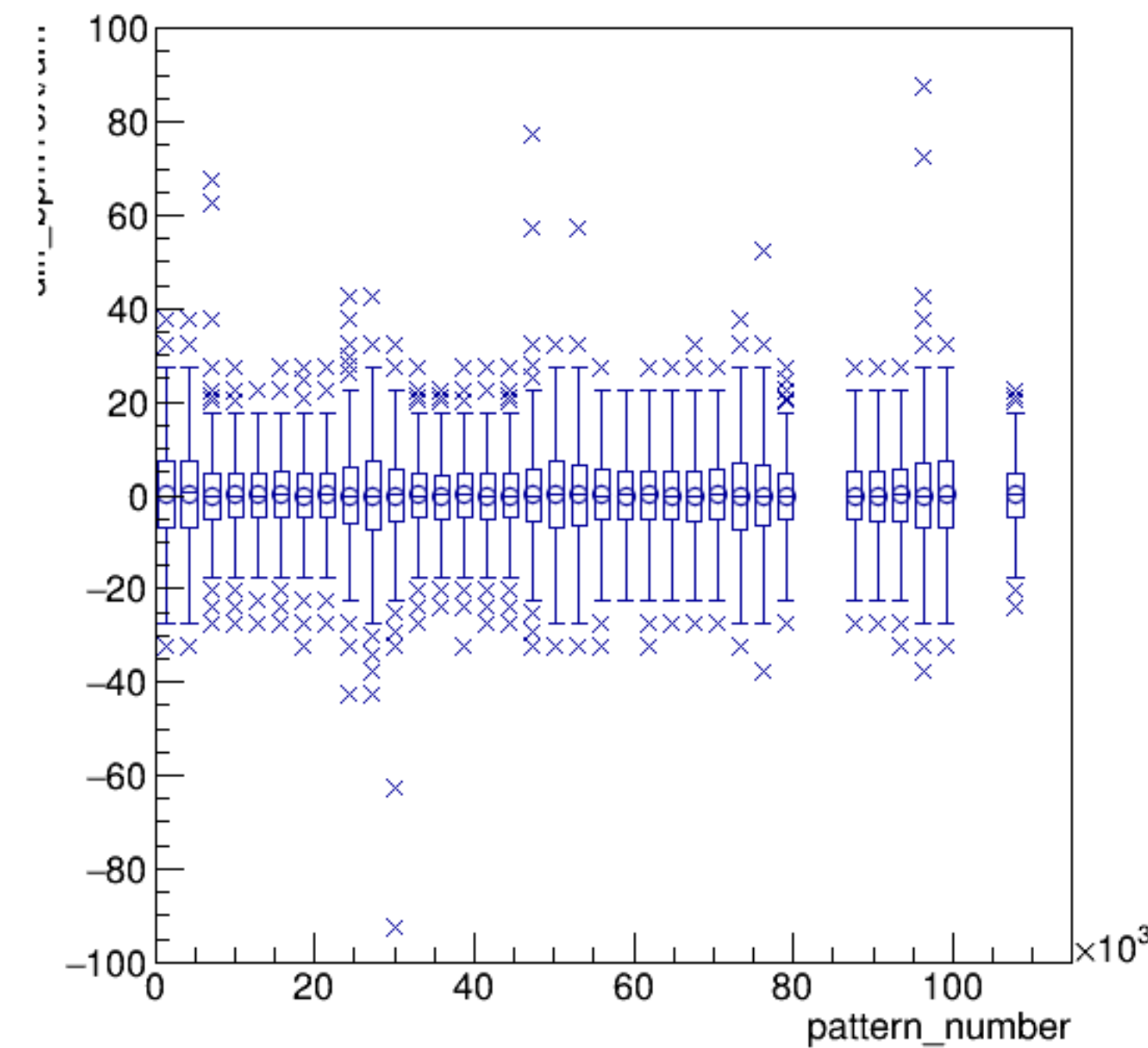


run7416\_000\_pairTree\_bpm16X.png

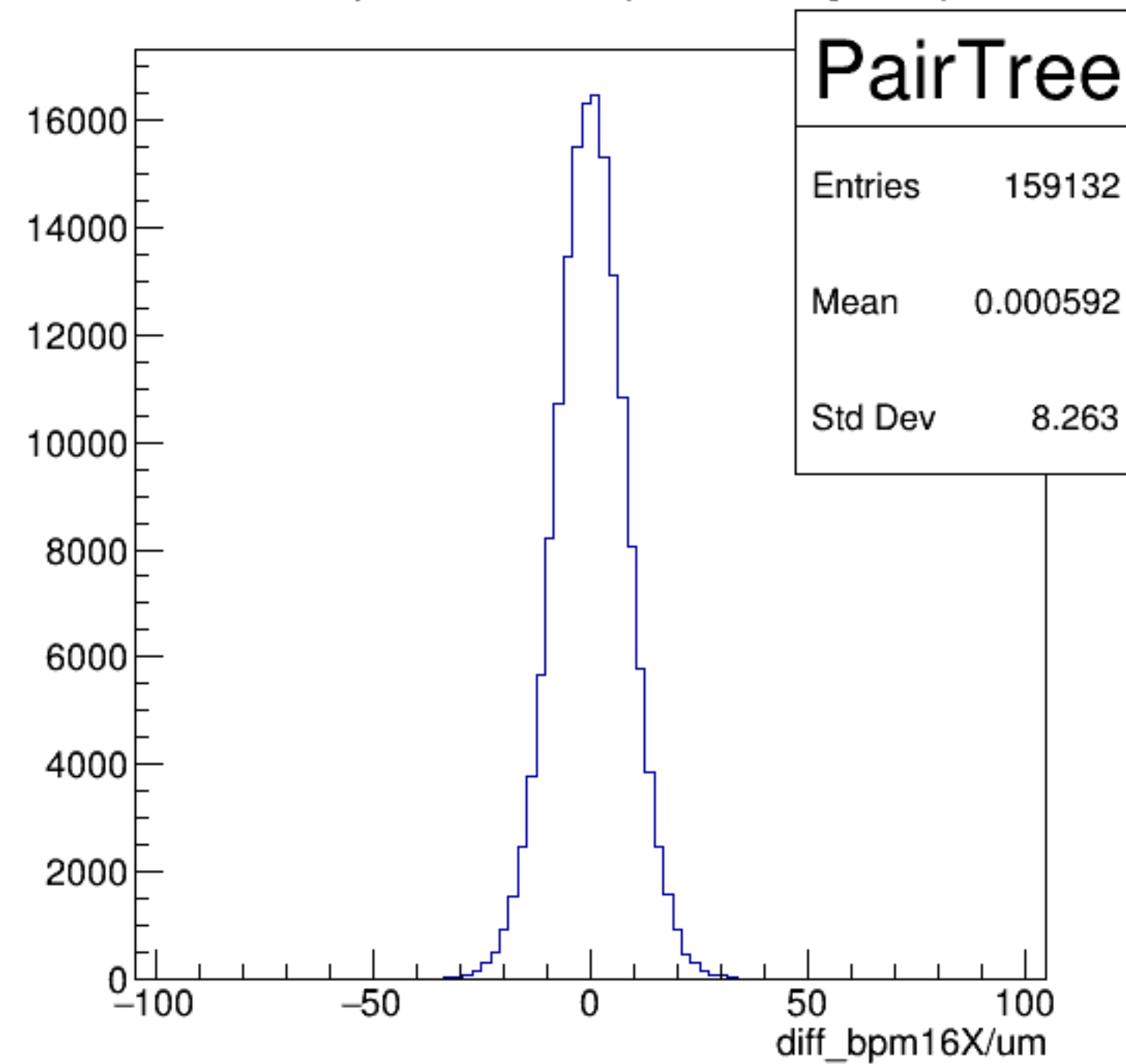
yield\_bpm16X/mm {ErrorFlag==0}



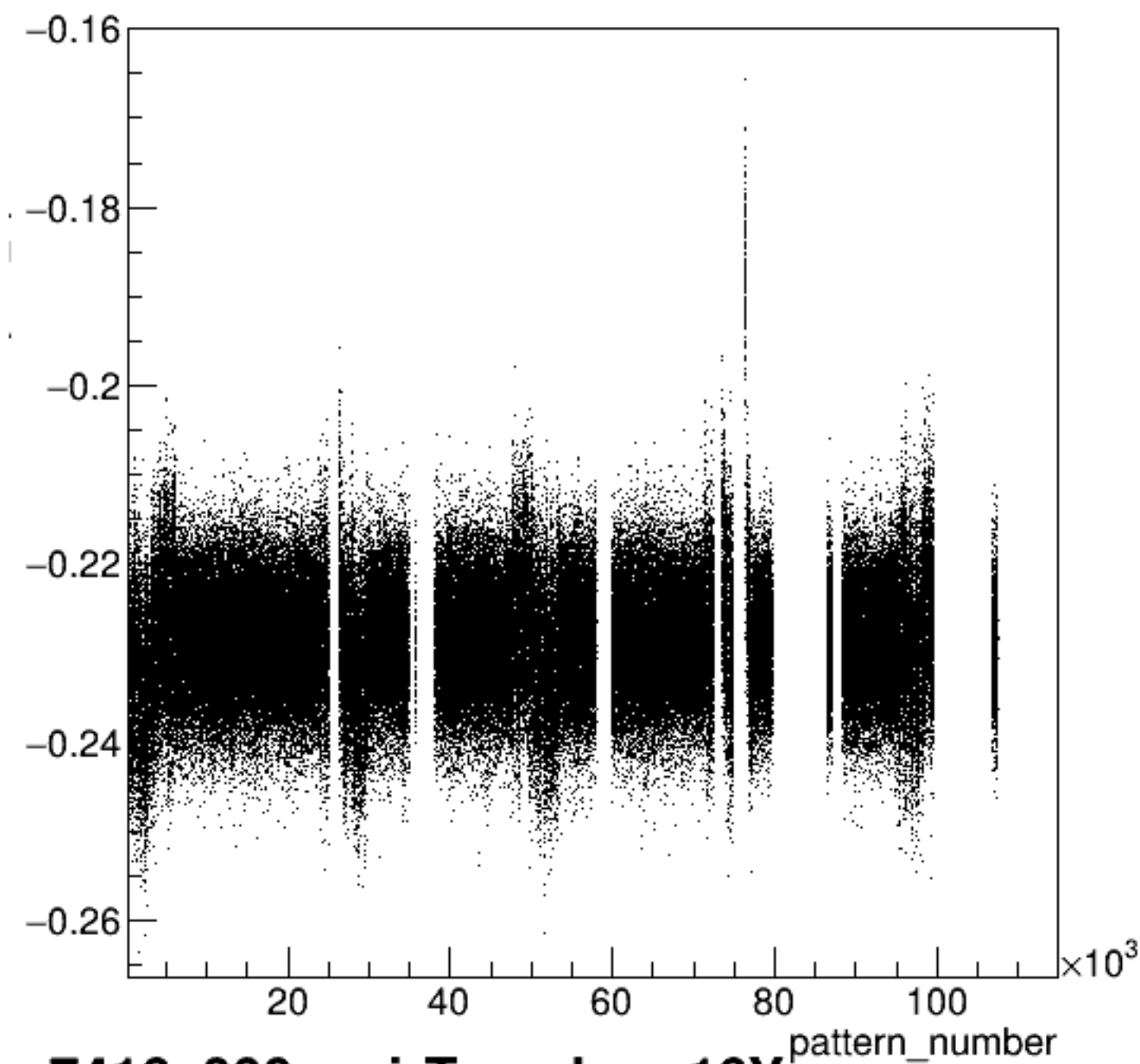
diff\_bpm16X/um:pattern\_number {ErrorFlag==0}



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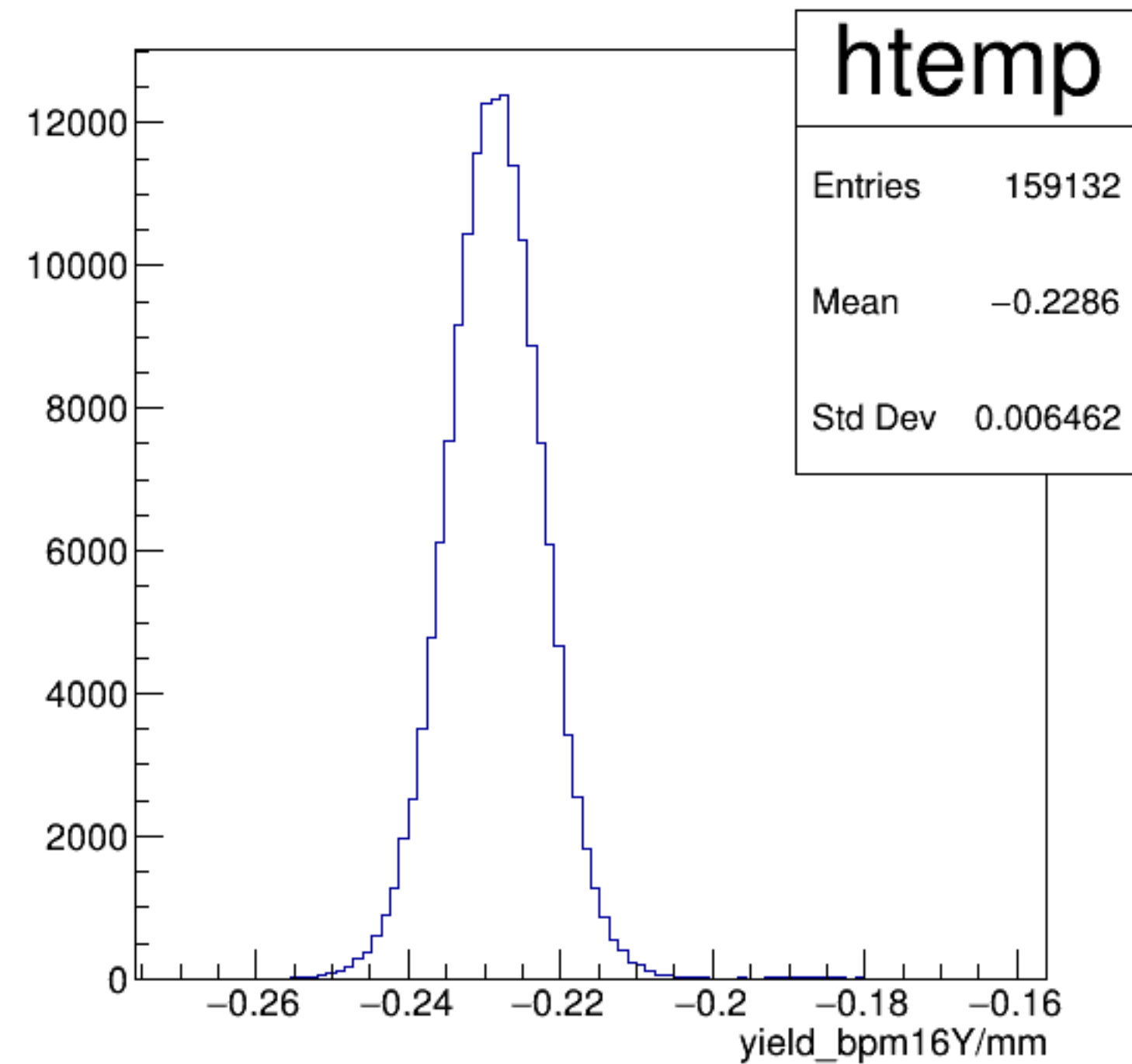


yield\_bpm16Y/mm:pattern\_number {ErrorFlag==0}

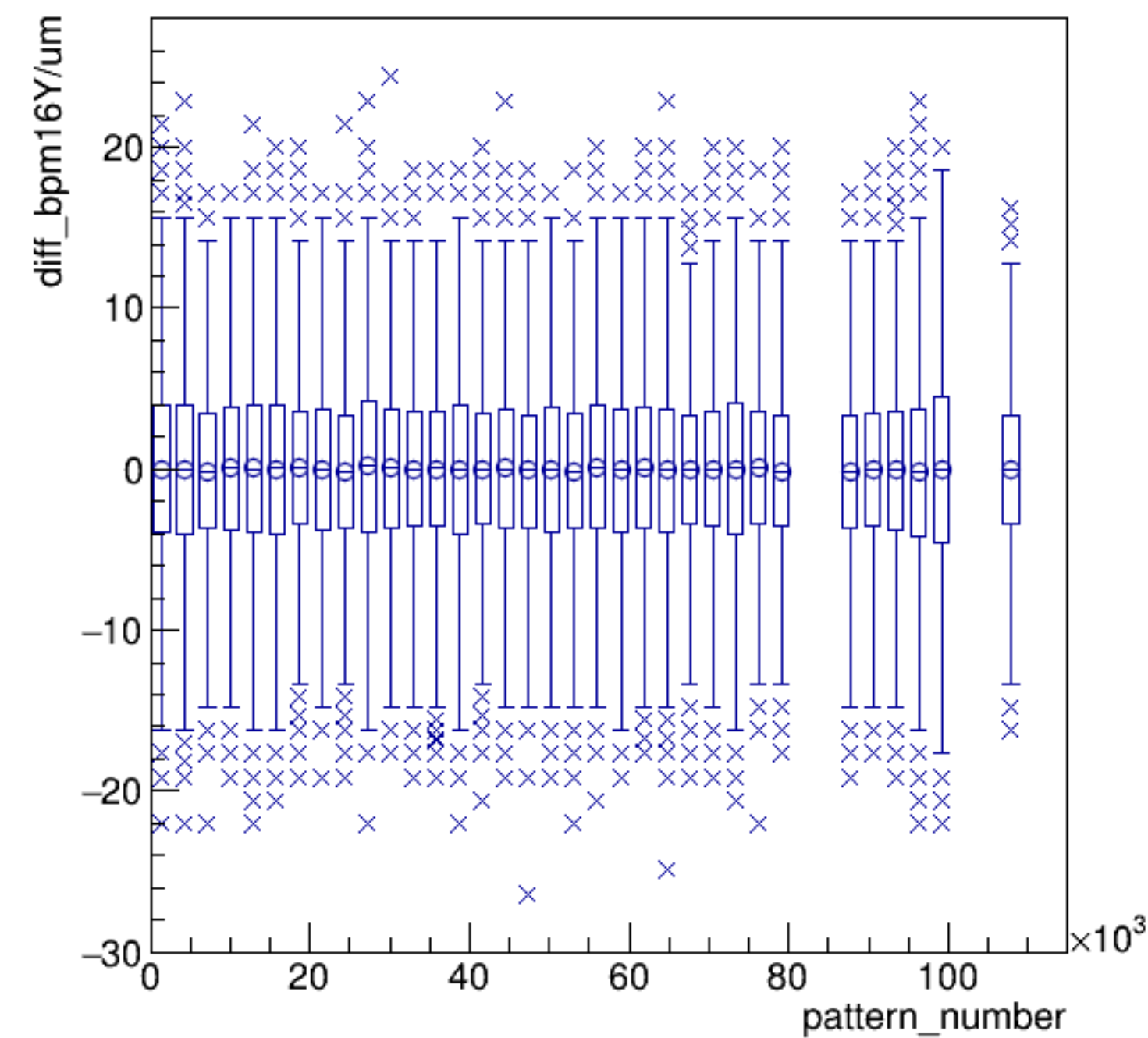


run7416\_000\_pairTree\_bpm16Y.png

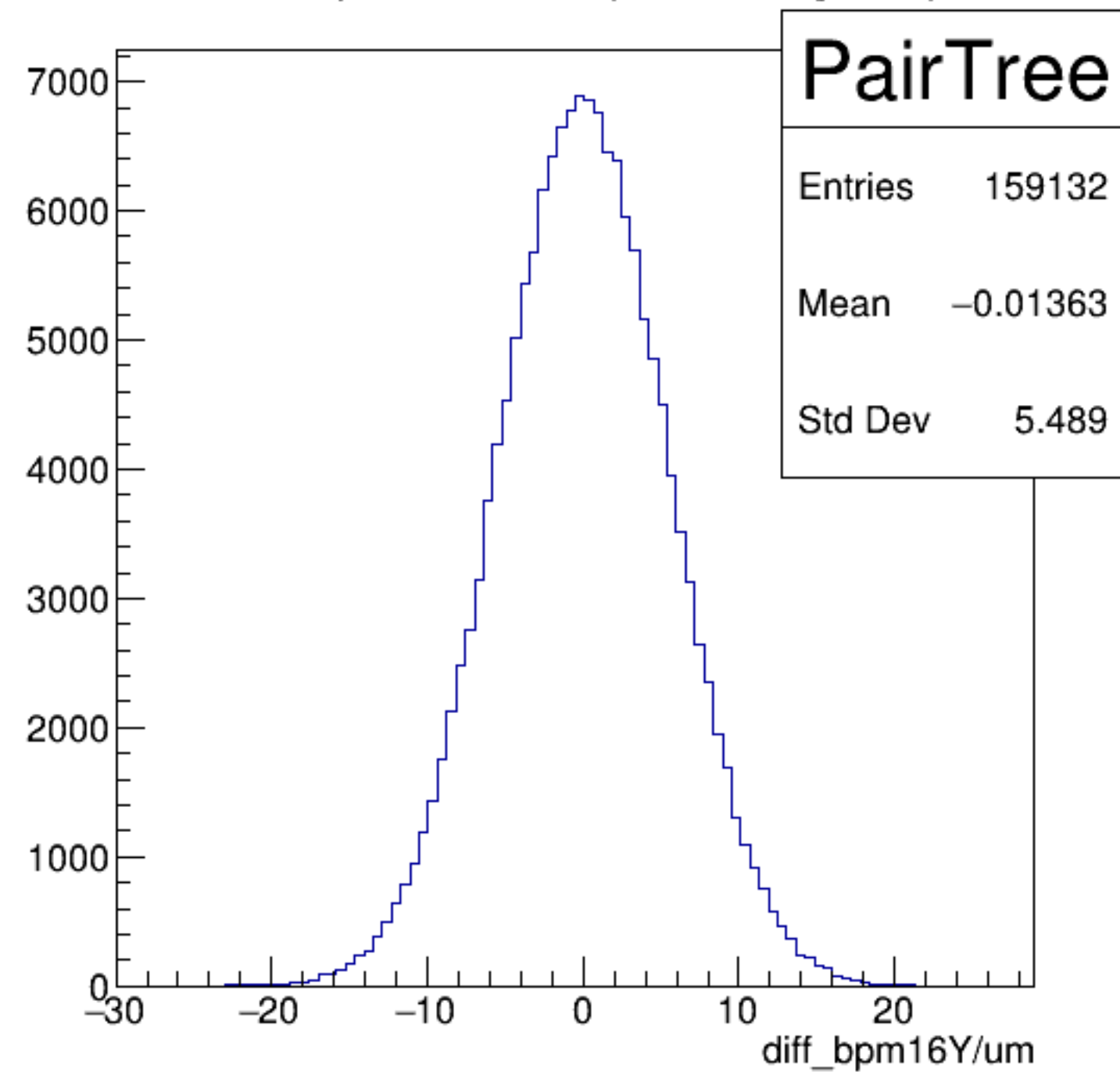
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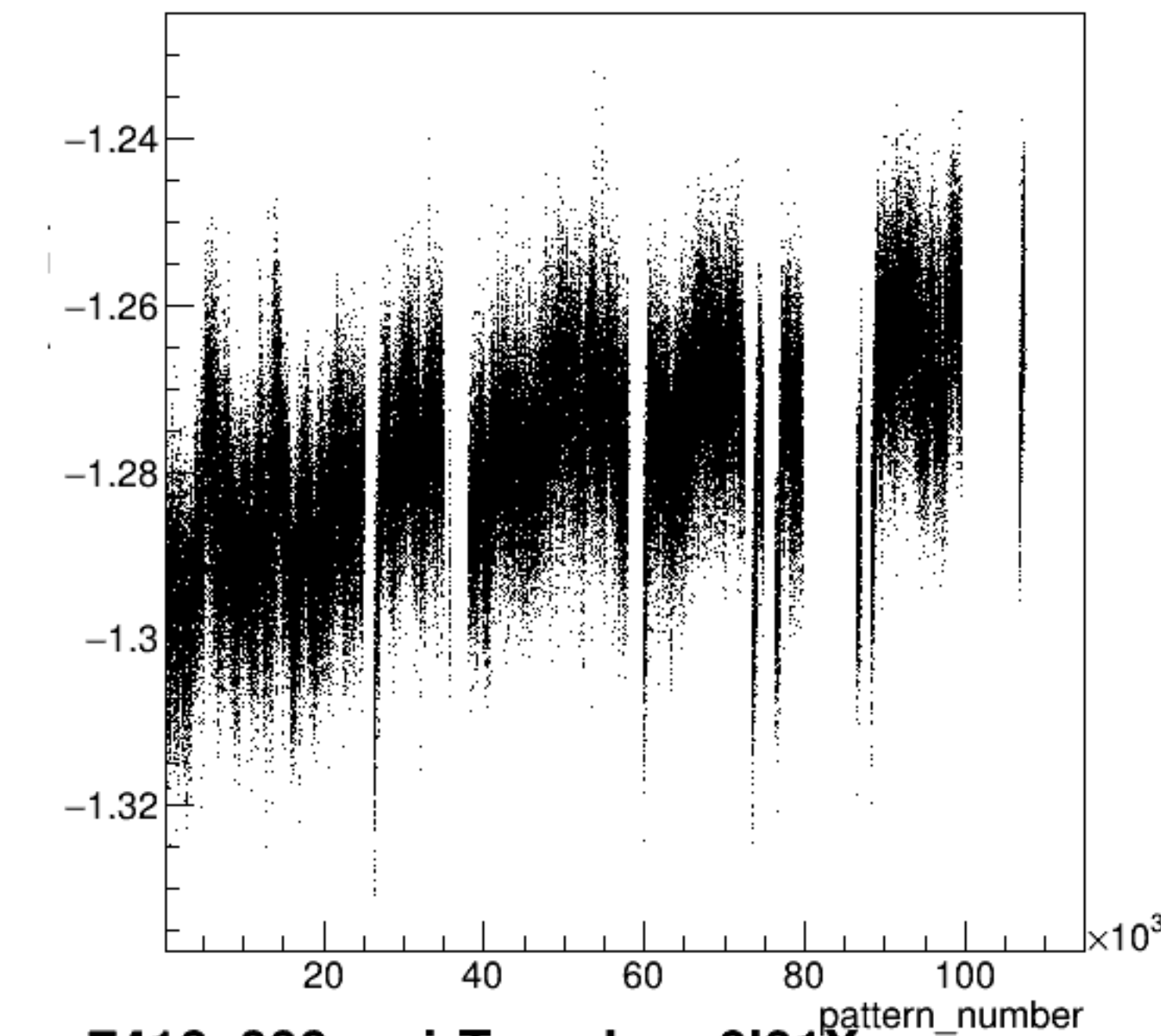
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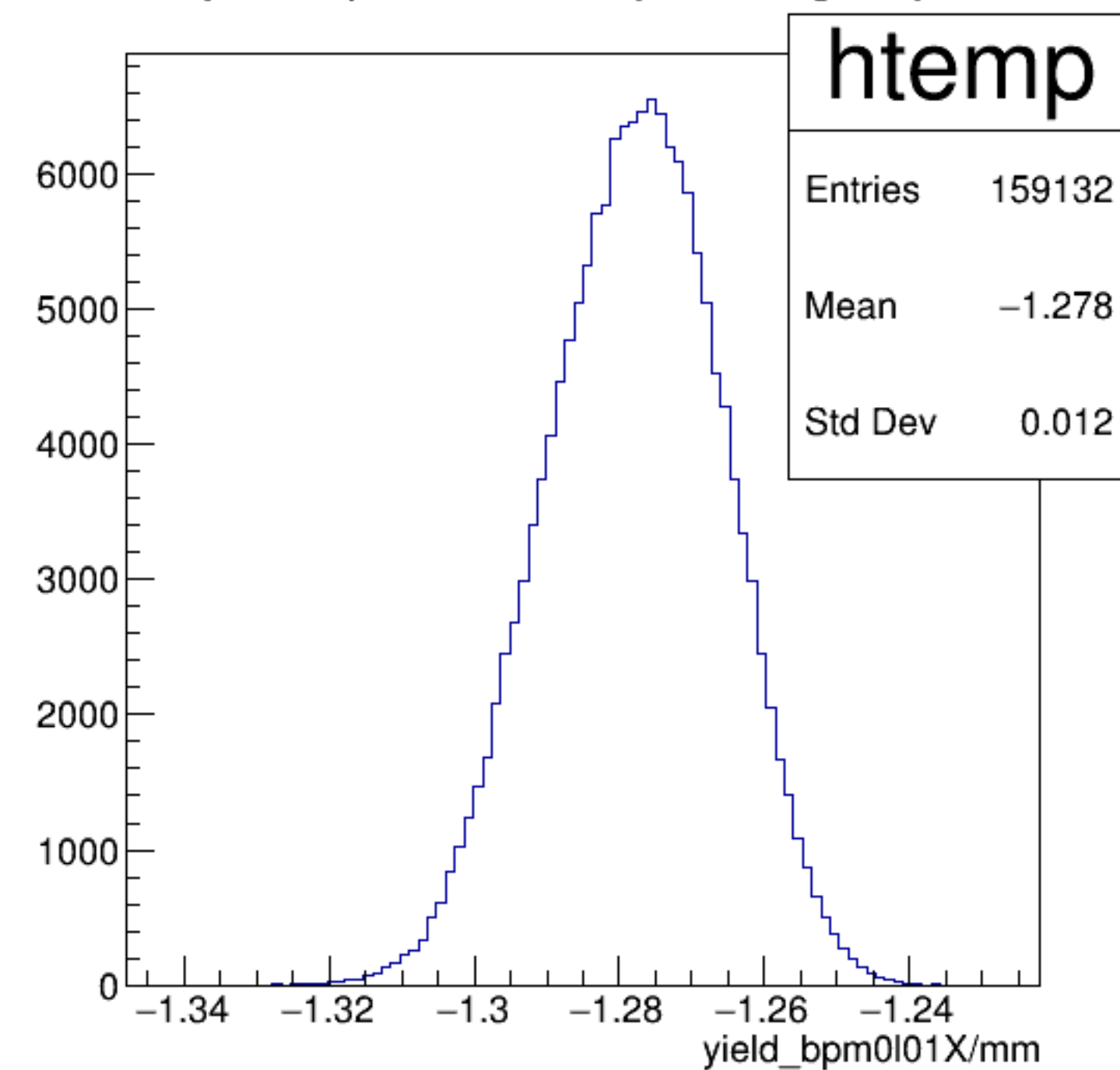


yield\_bpm0l01X/mm:pattern\_number {ErrorFlag==0}

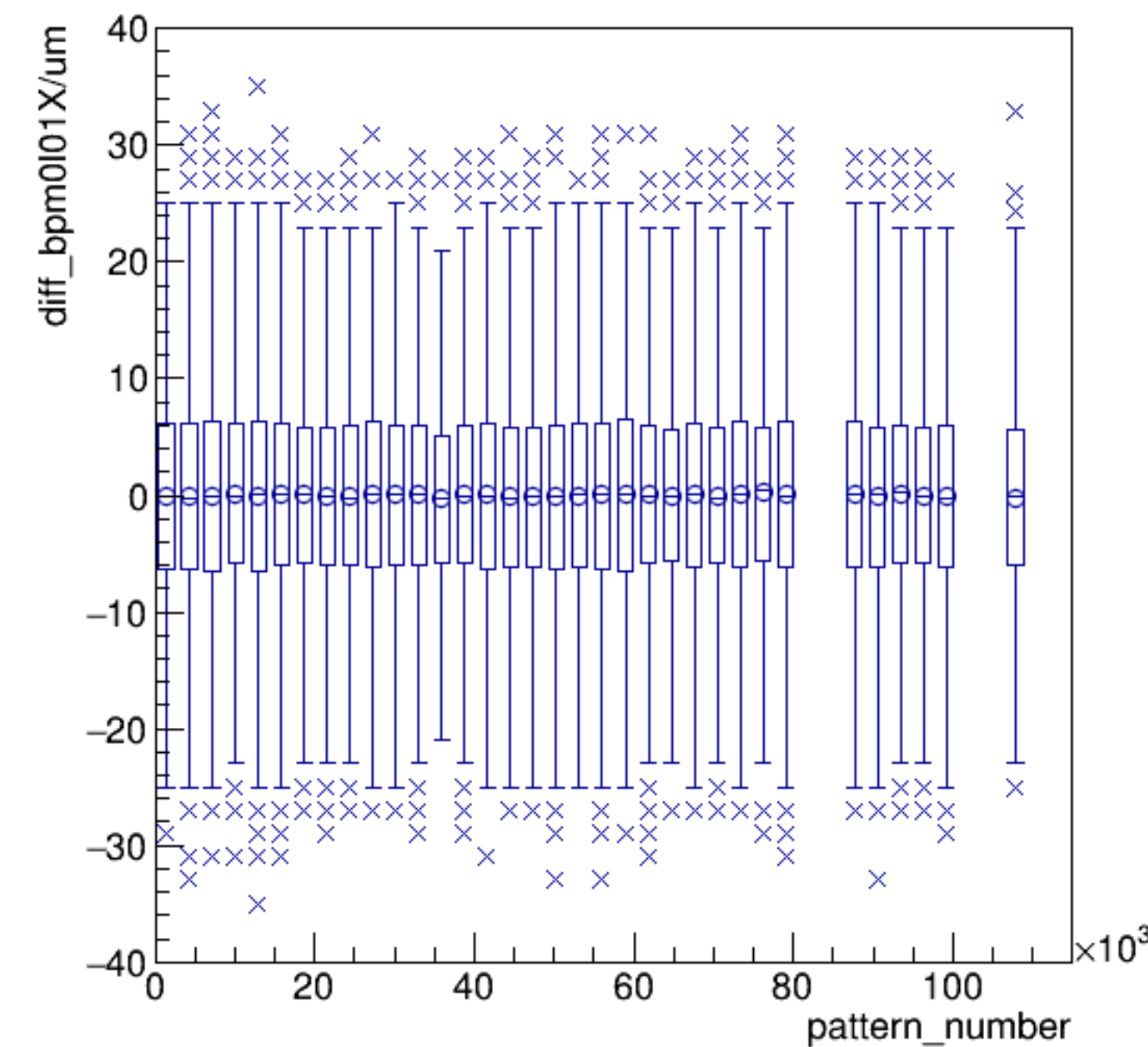


run7416\_000\_pairTree\_bpm0l01X.png

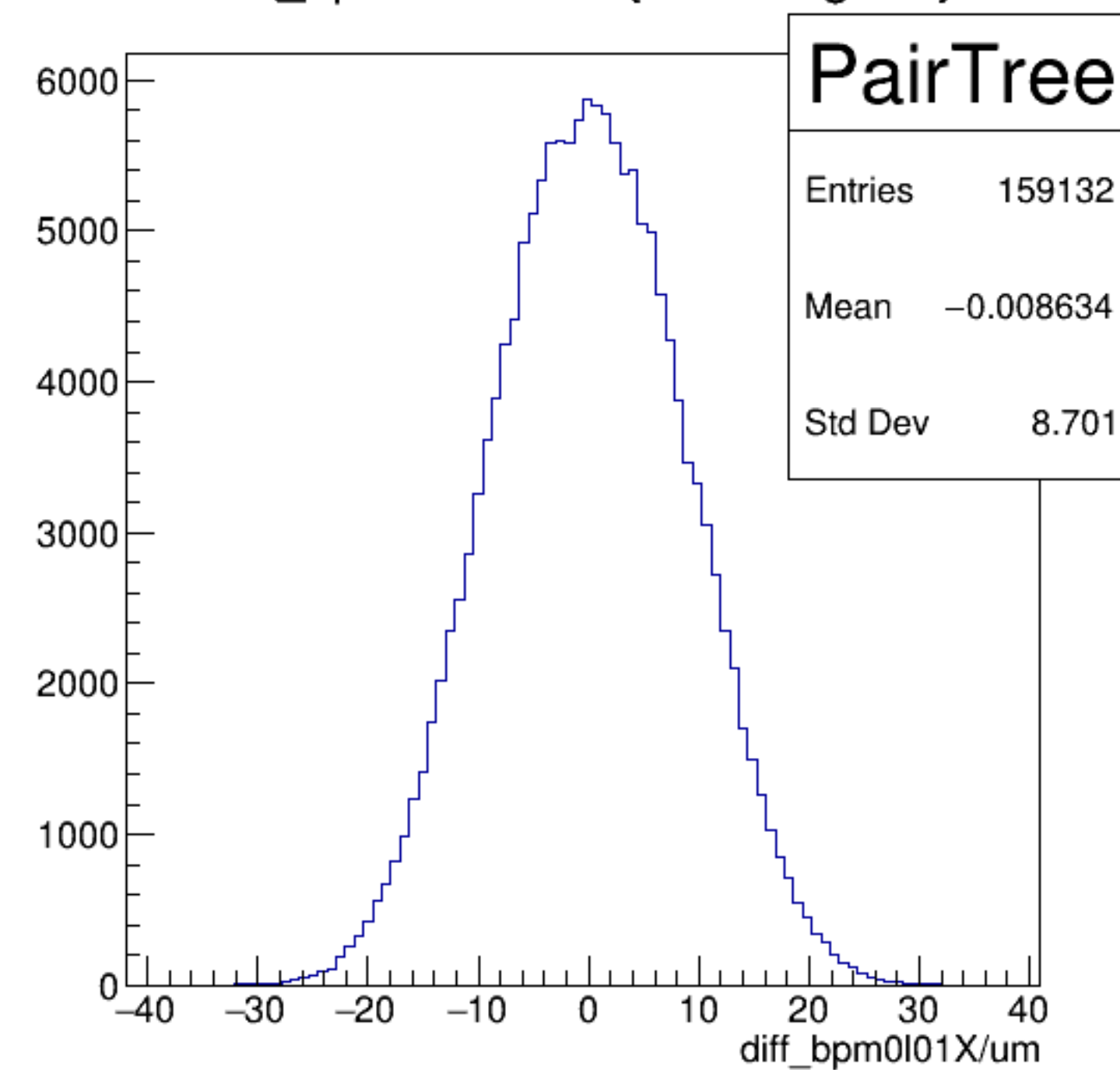
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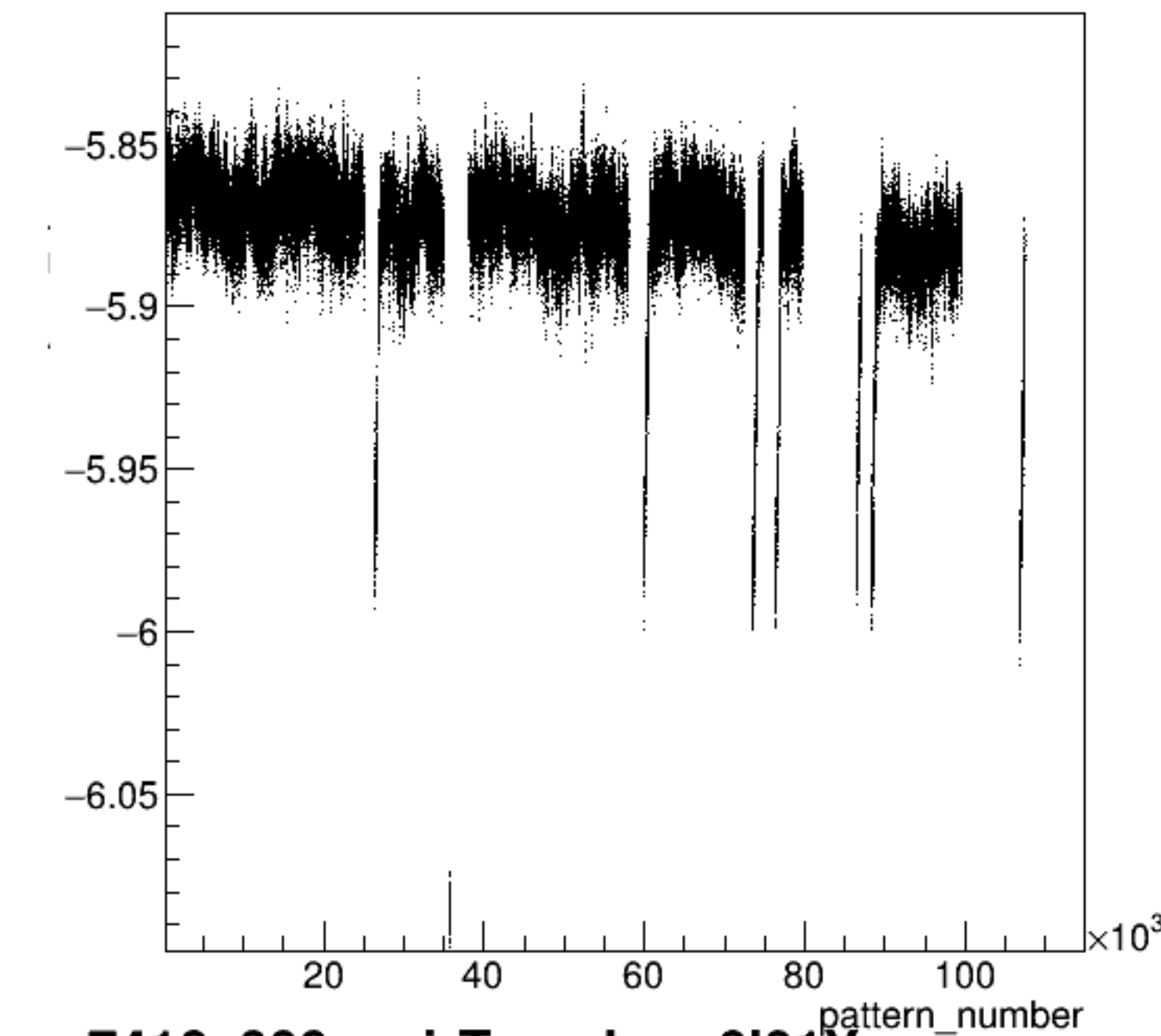
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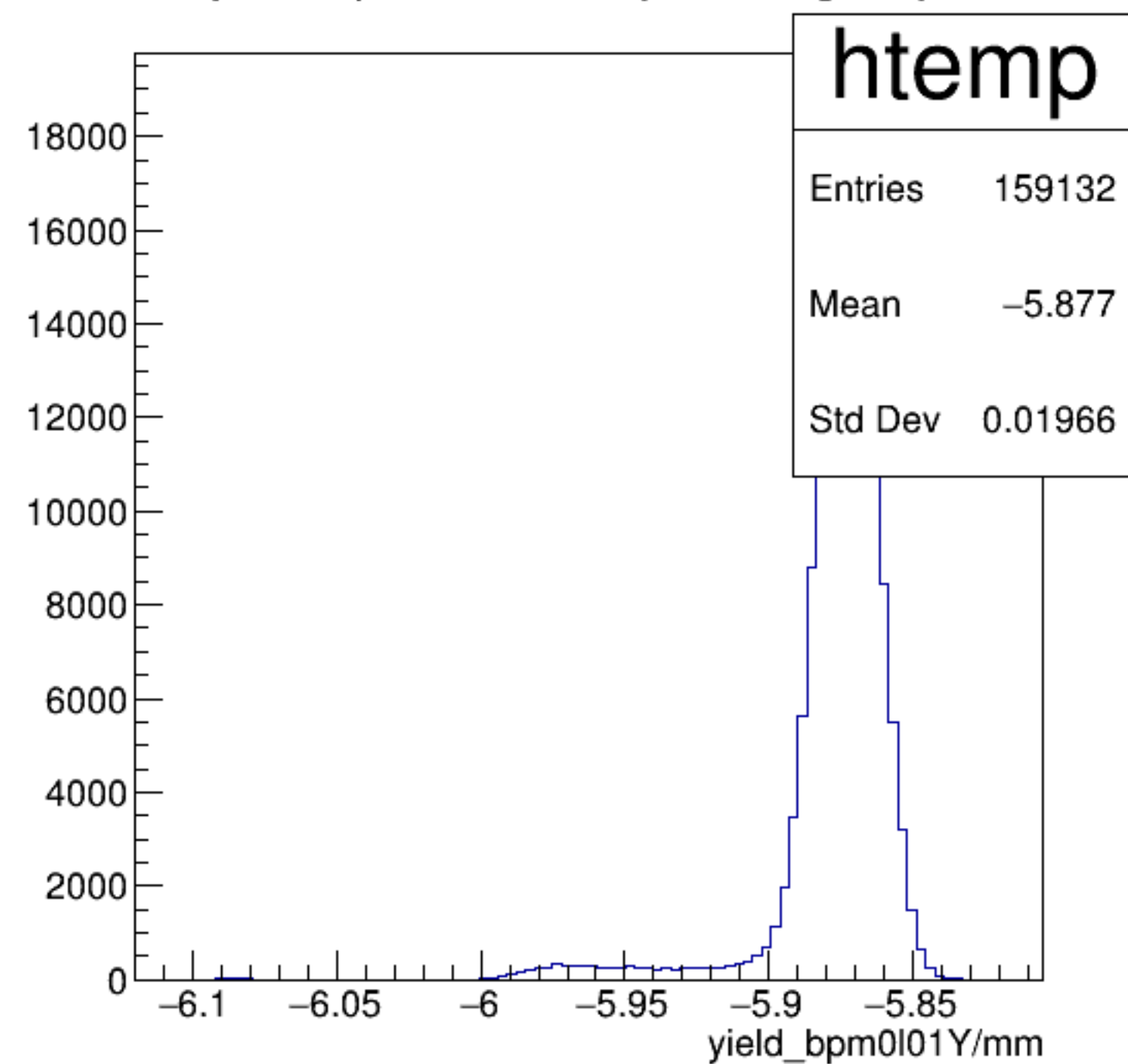


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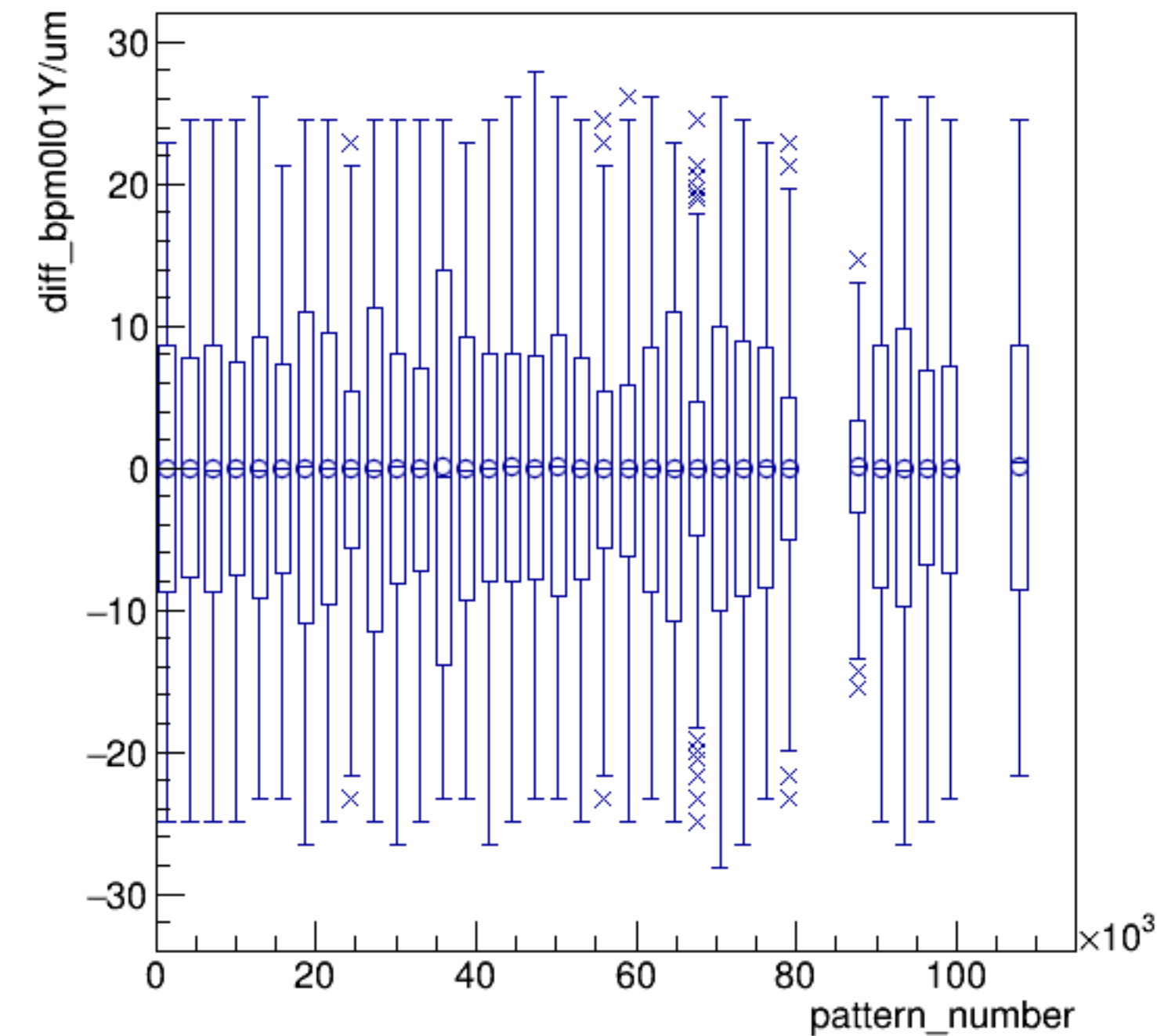


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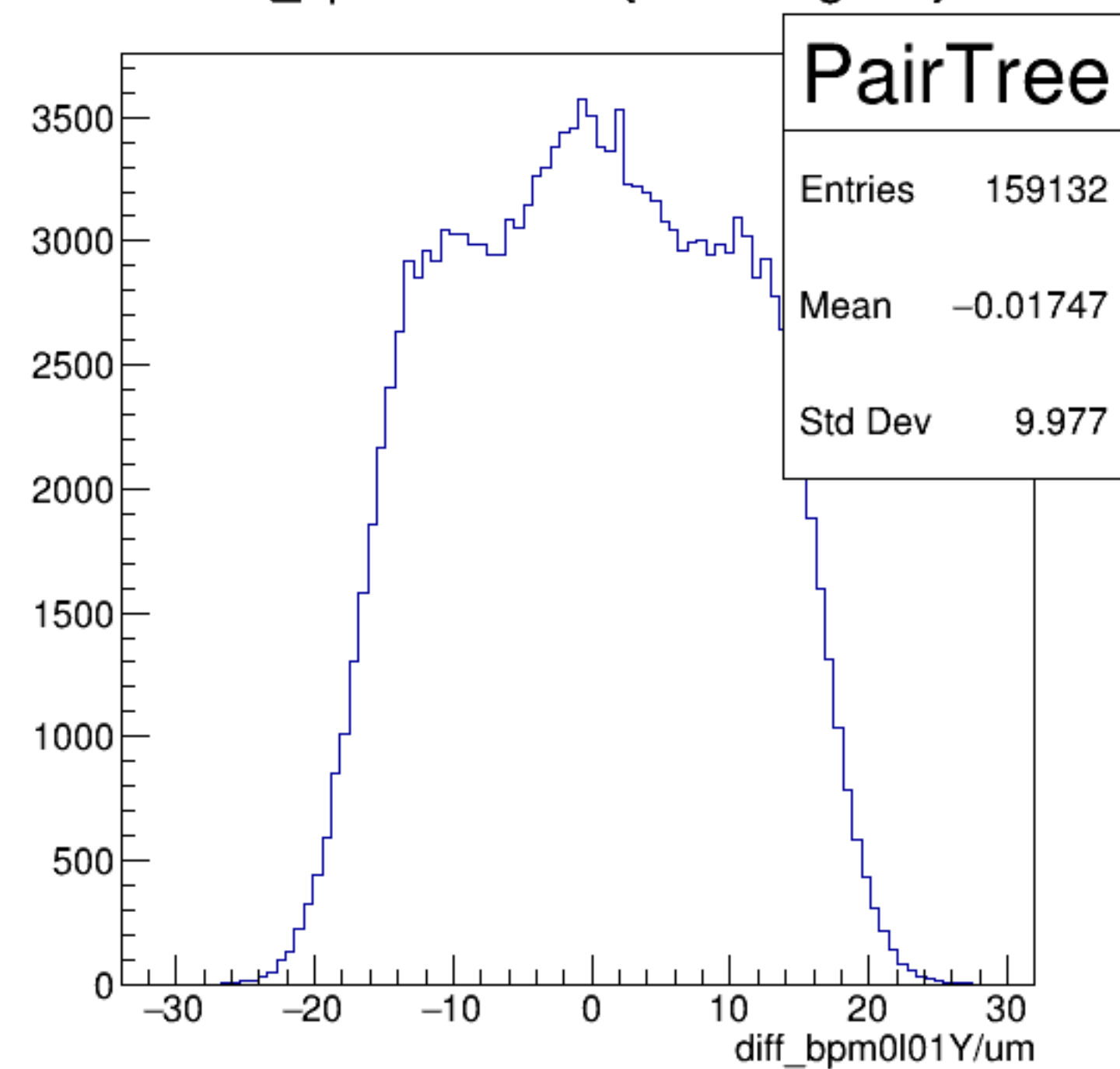
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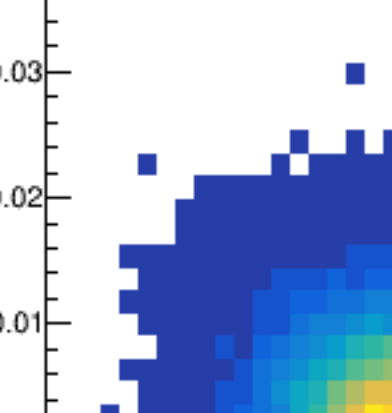


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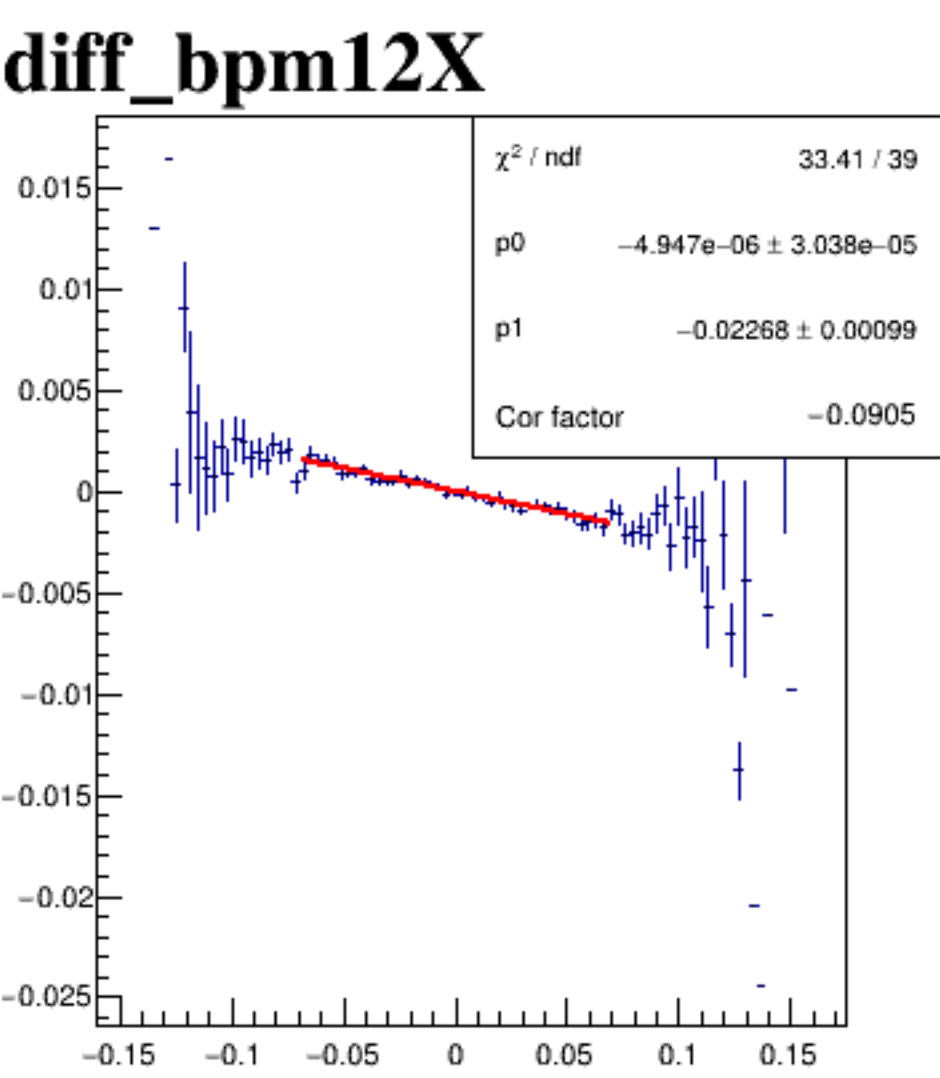
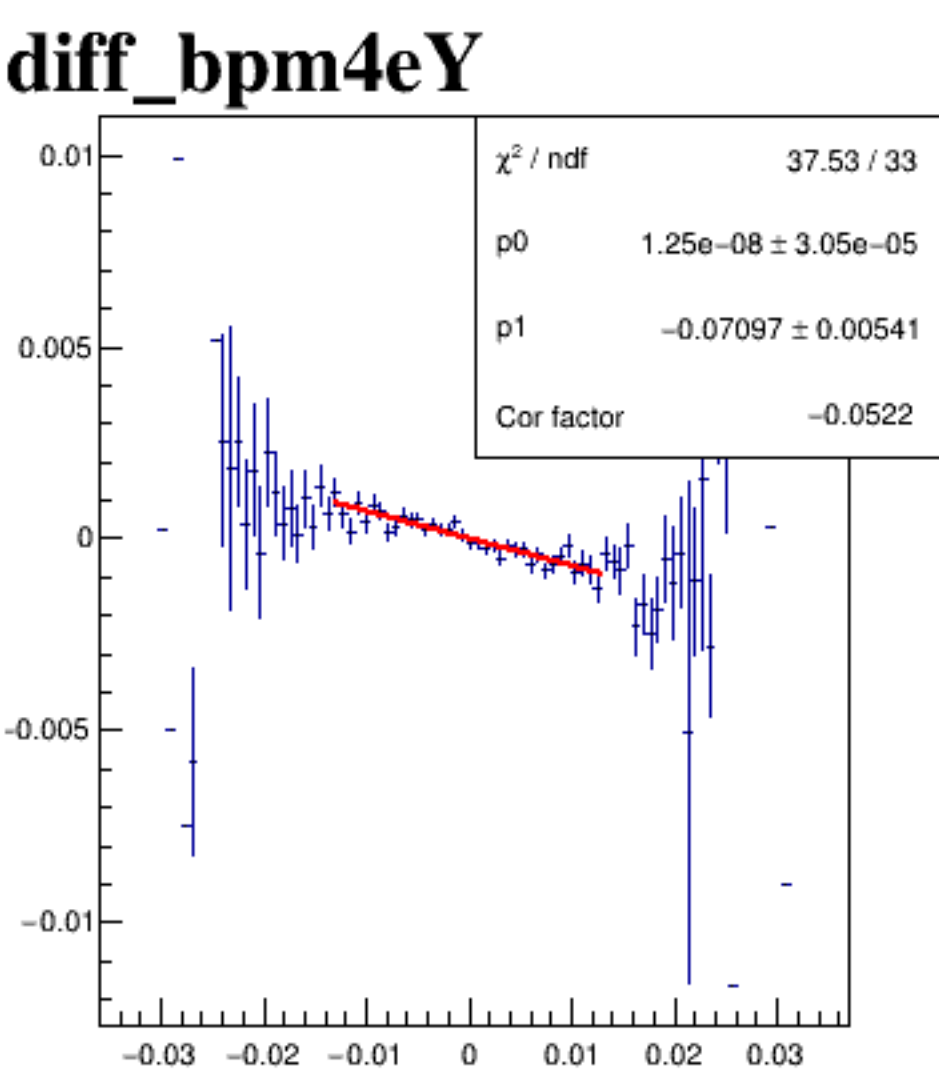
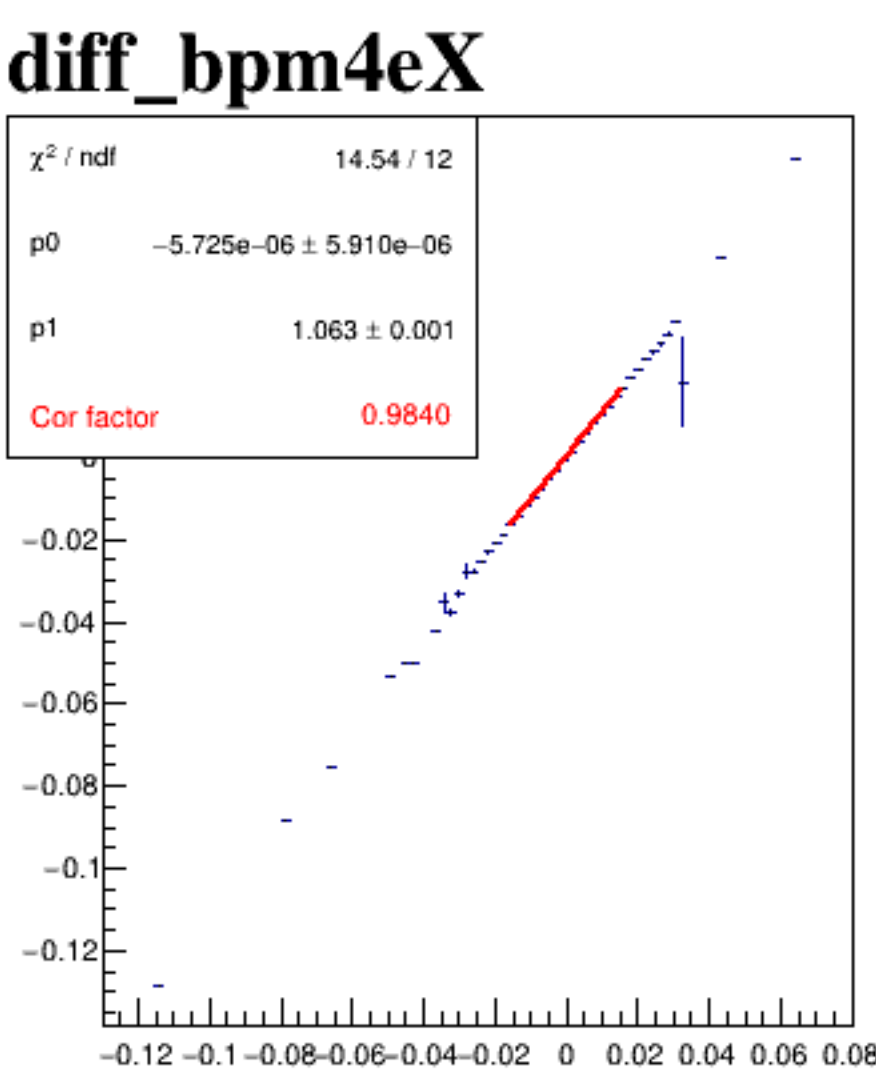
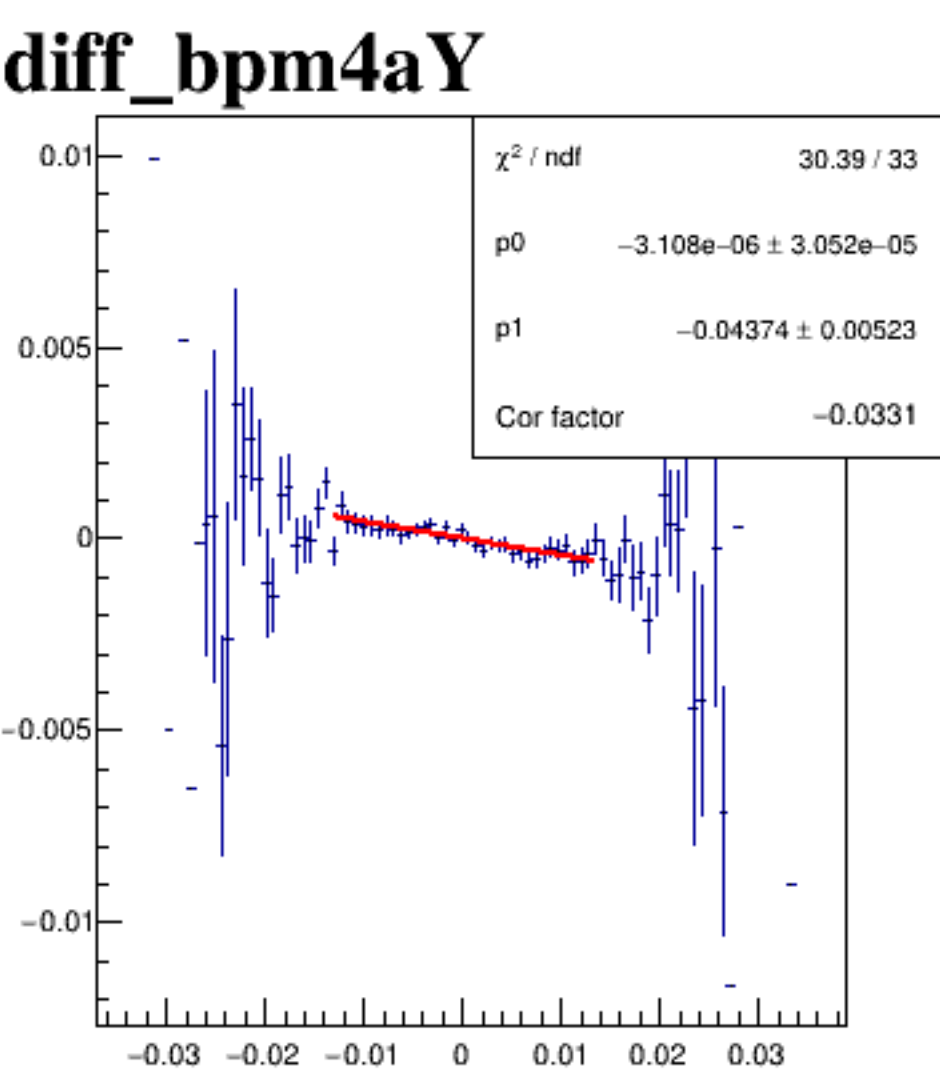
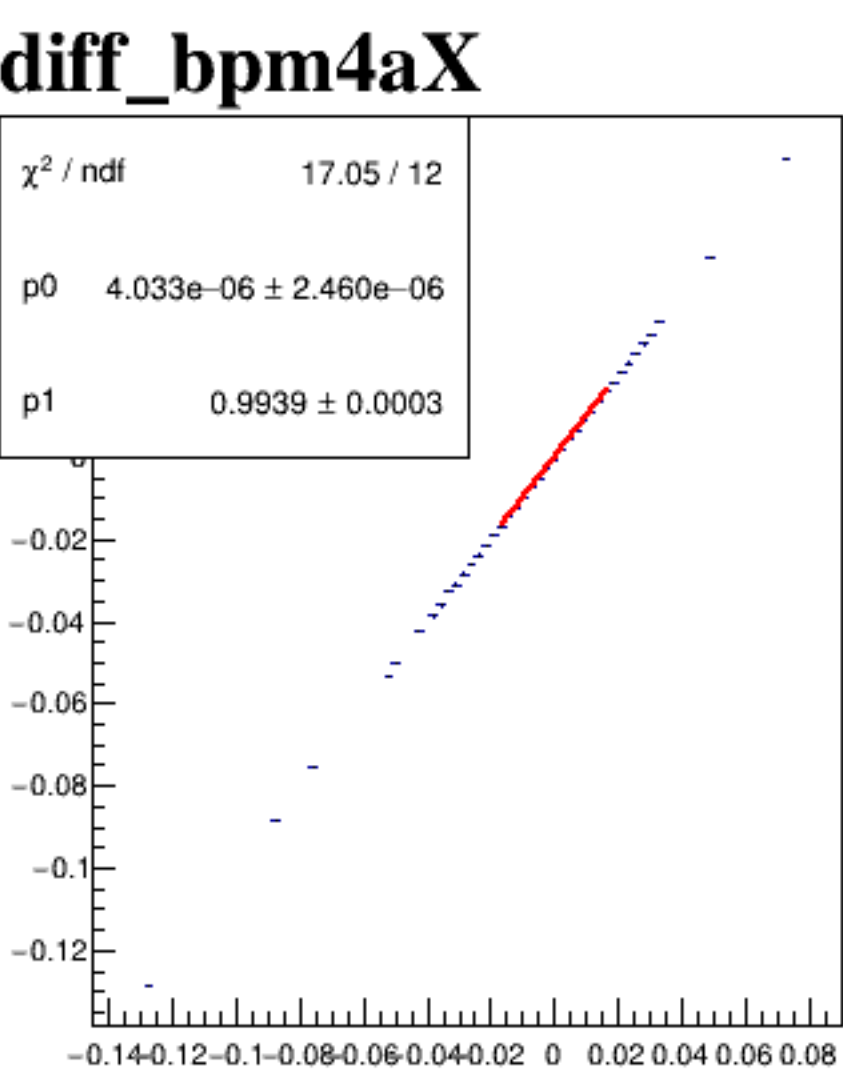




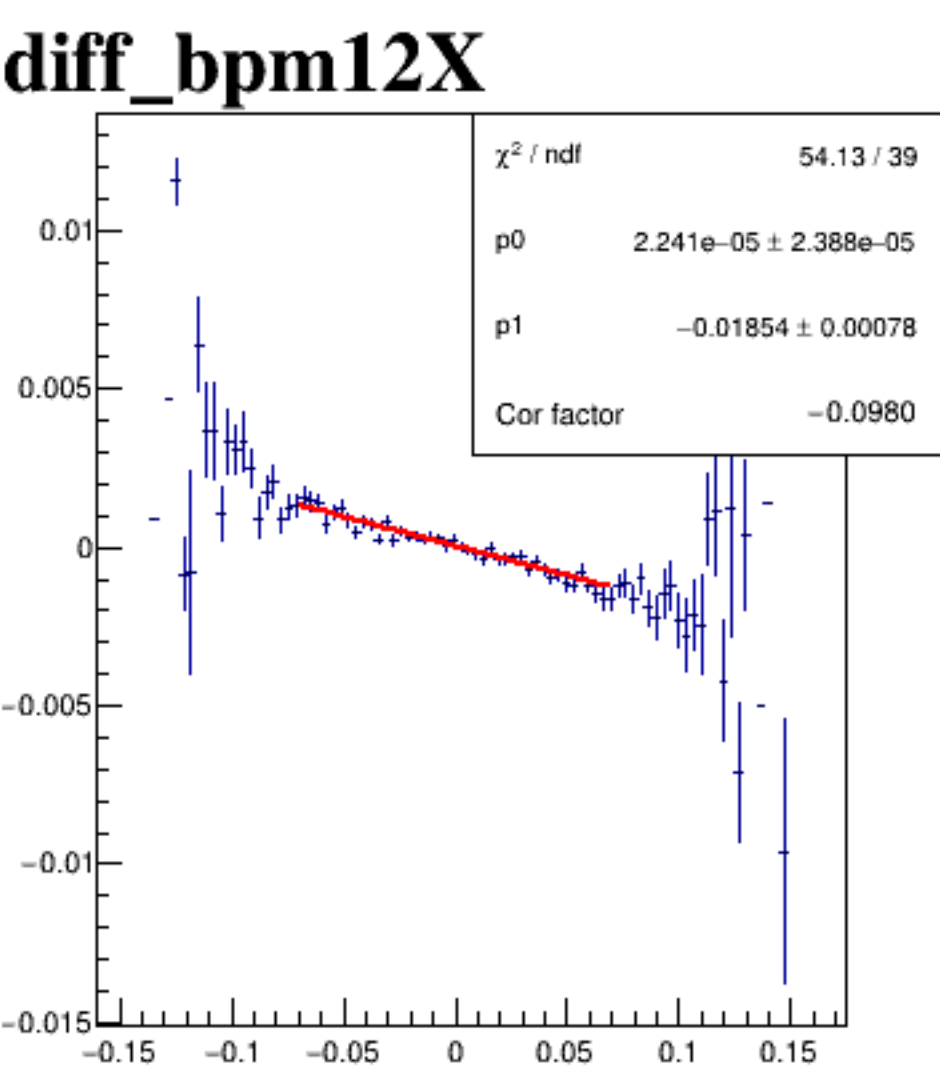
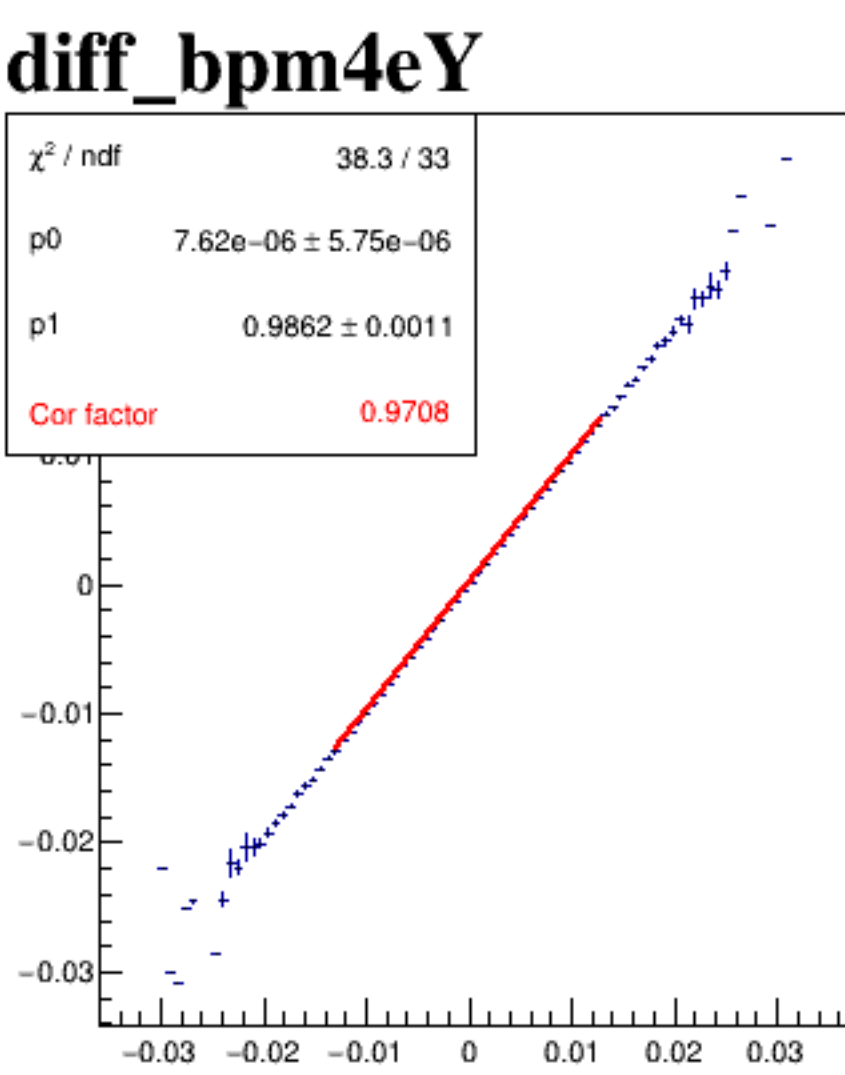
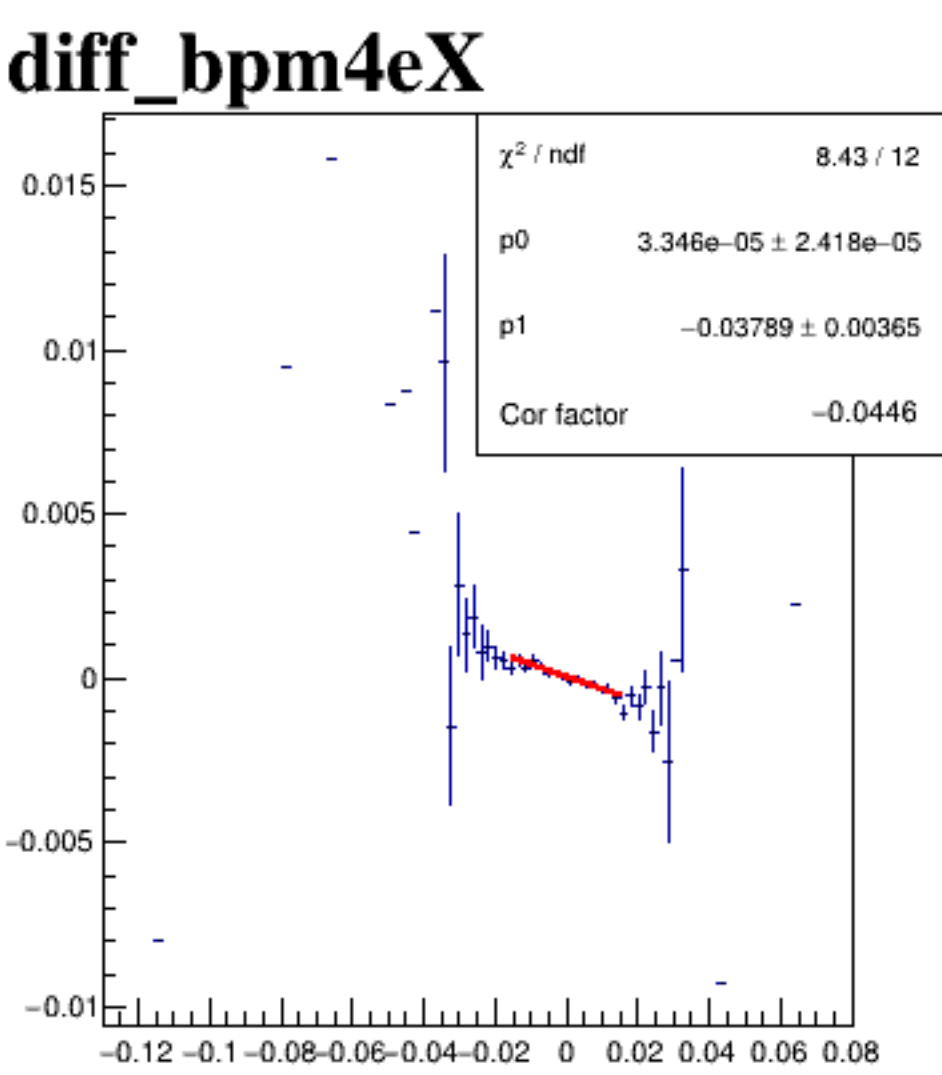
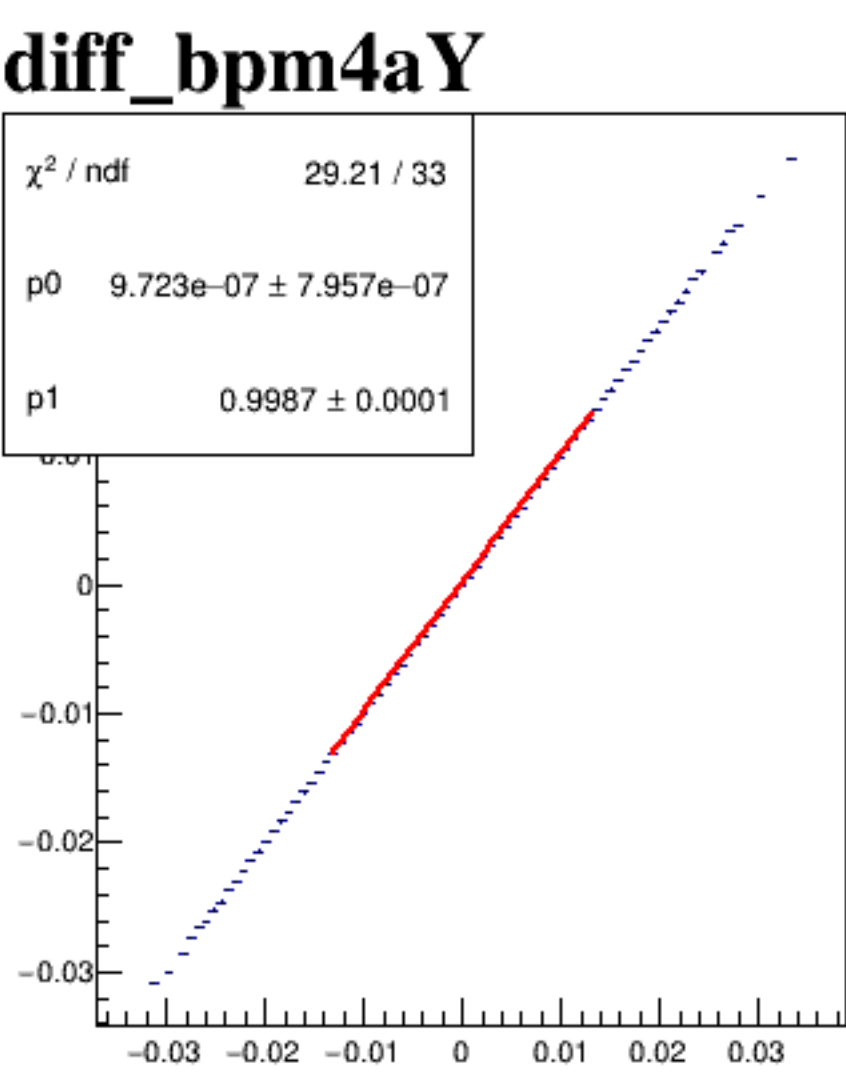
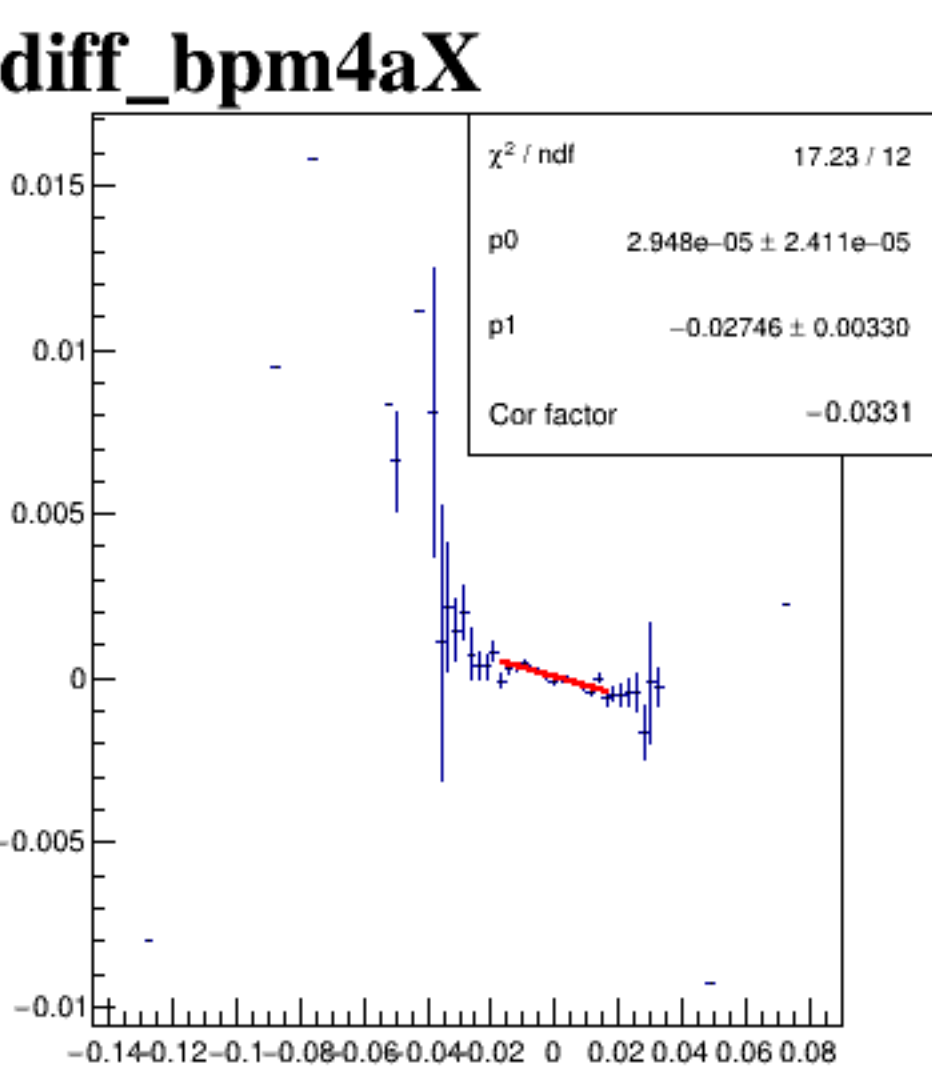
A heatmap titled "diff\_bpm12X" showing the difference between bpm12X and bpm12M. The x-axis is labeled "diff bpm12X" and ranges from -0.15 to 0.15. The y-axis ranges from -0.03 to 0.03. A color bar on the right indicates values from 0 to 80, with a peak of approximately 80 in the center of the distribution.

run7416\_000\_diff\_bpm\_mutual\_correlation\_COLZ\_default.png

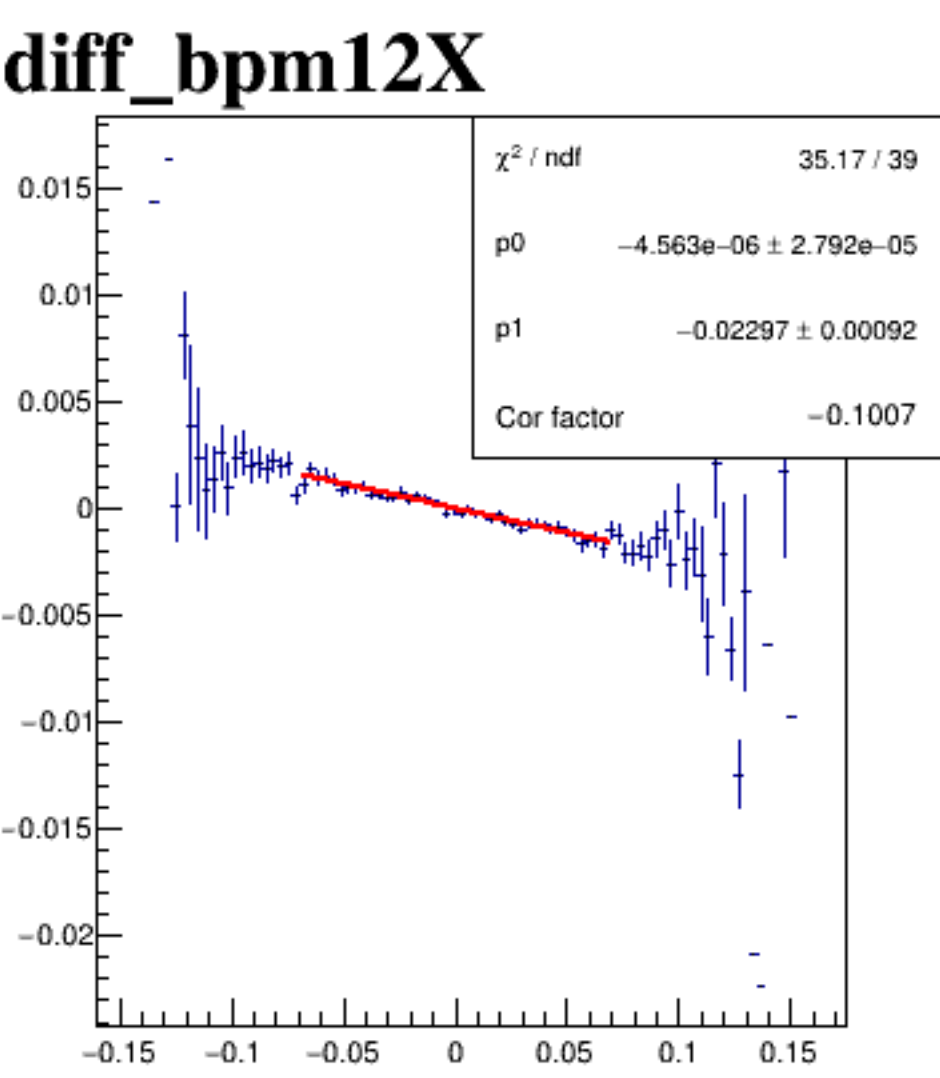
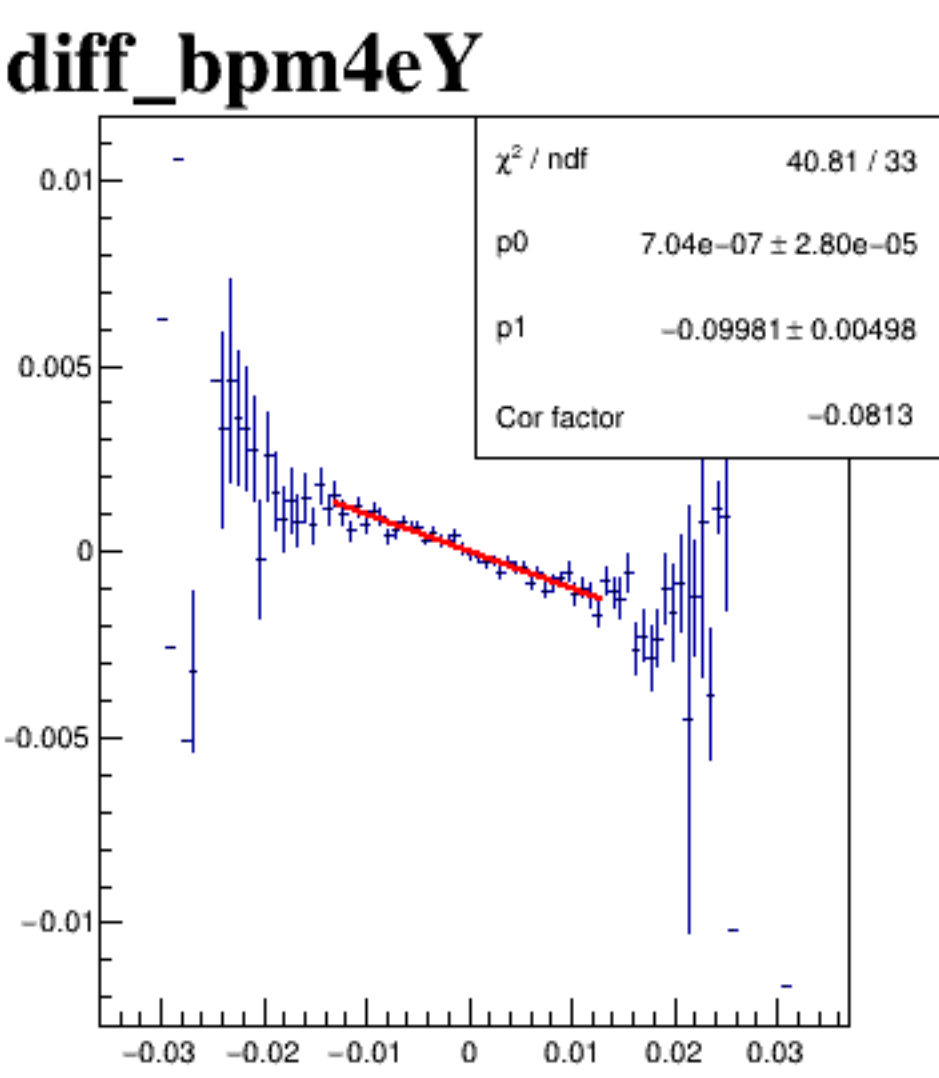
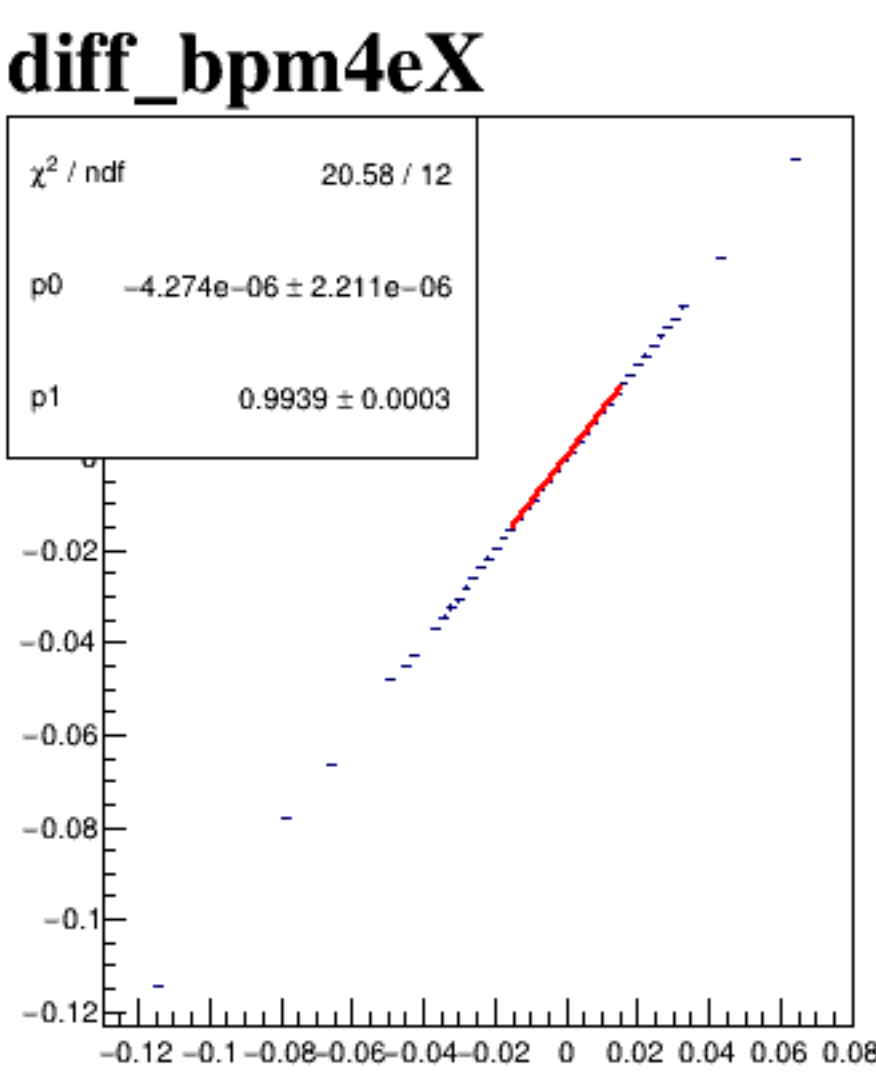
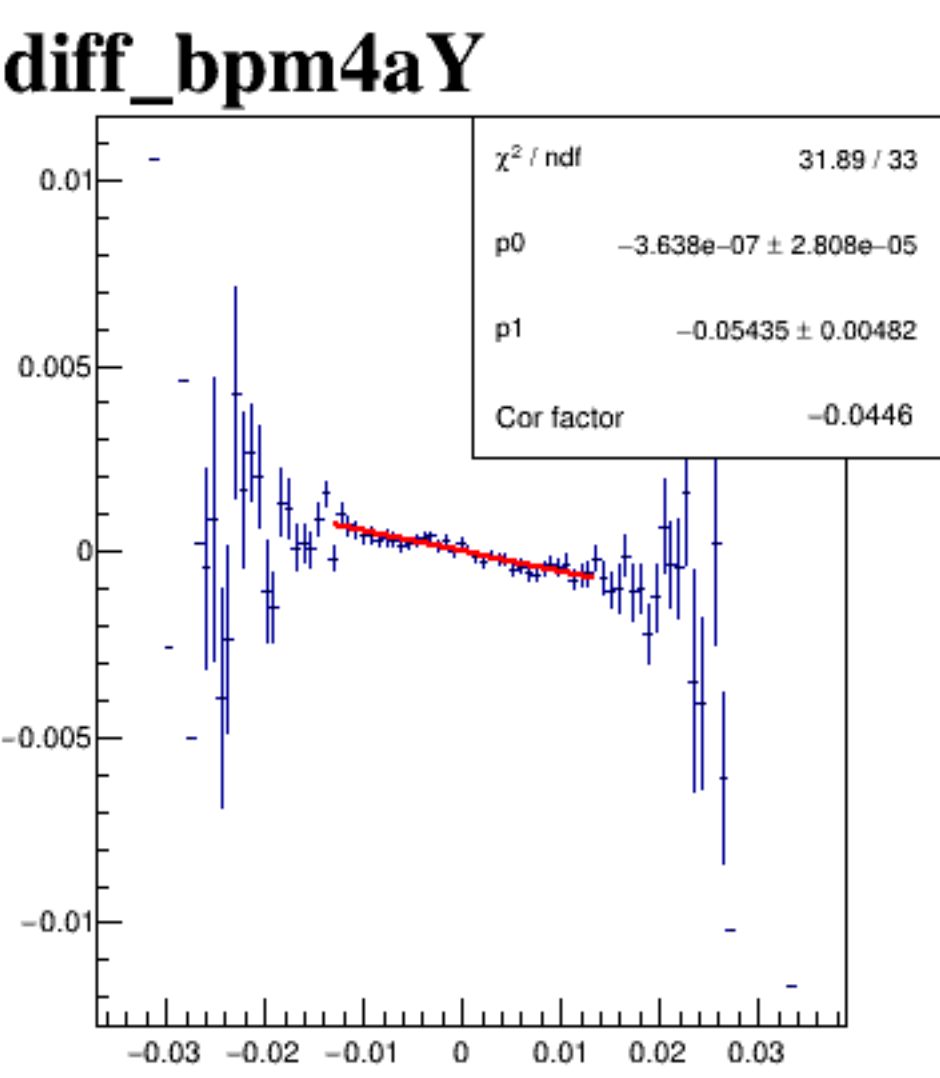
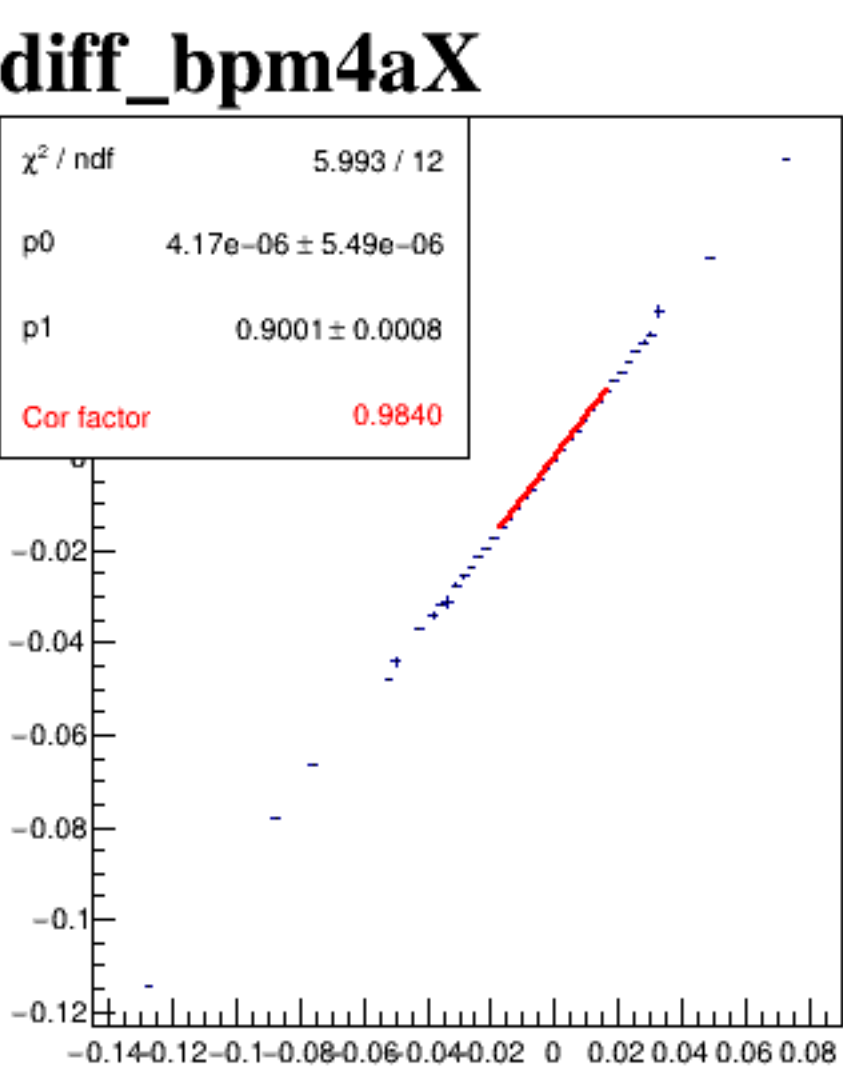
diff\_bpm4aX



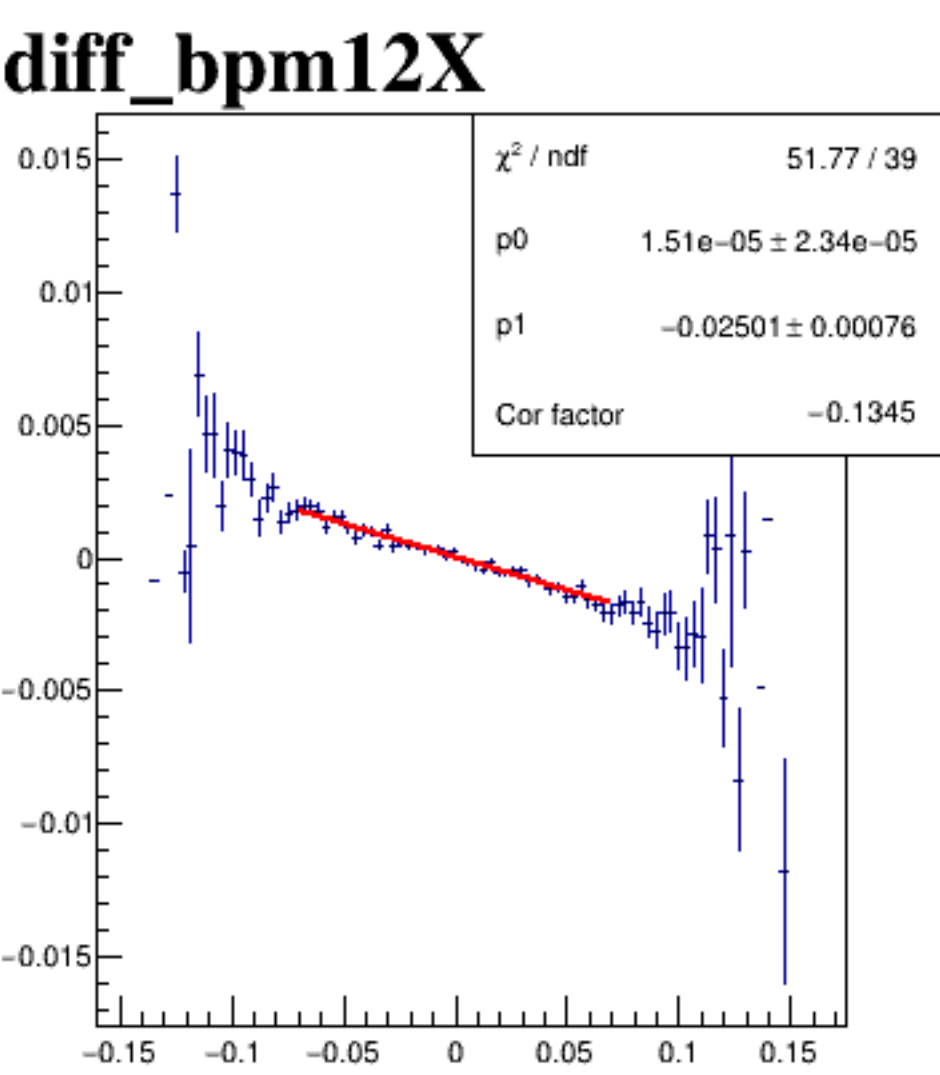
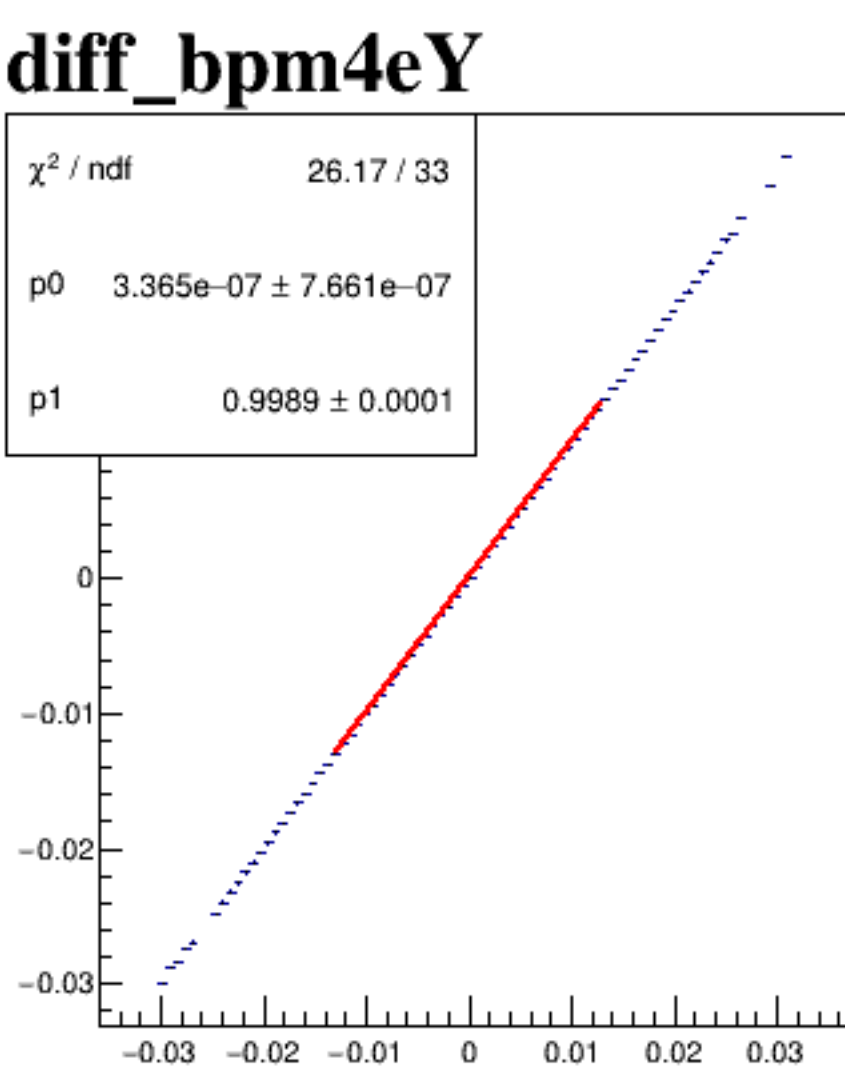
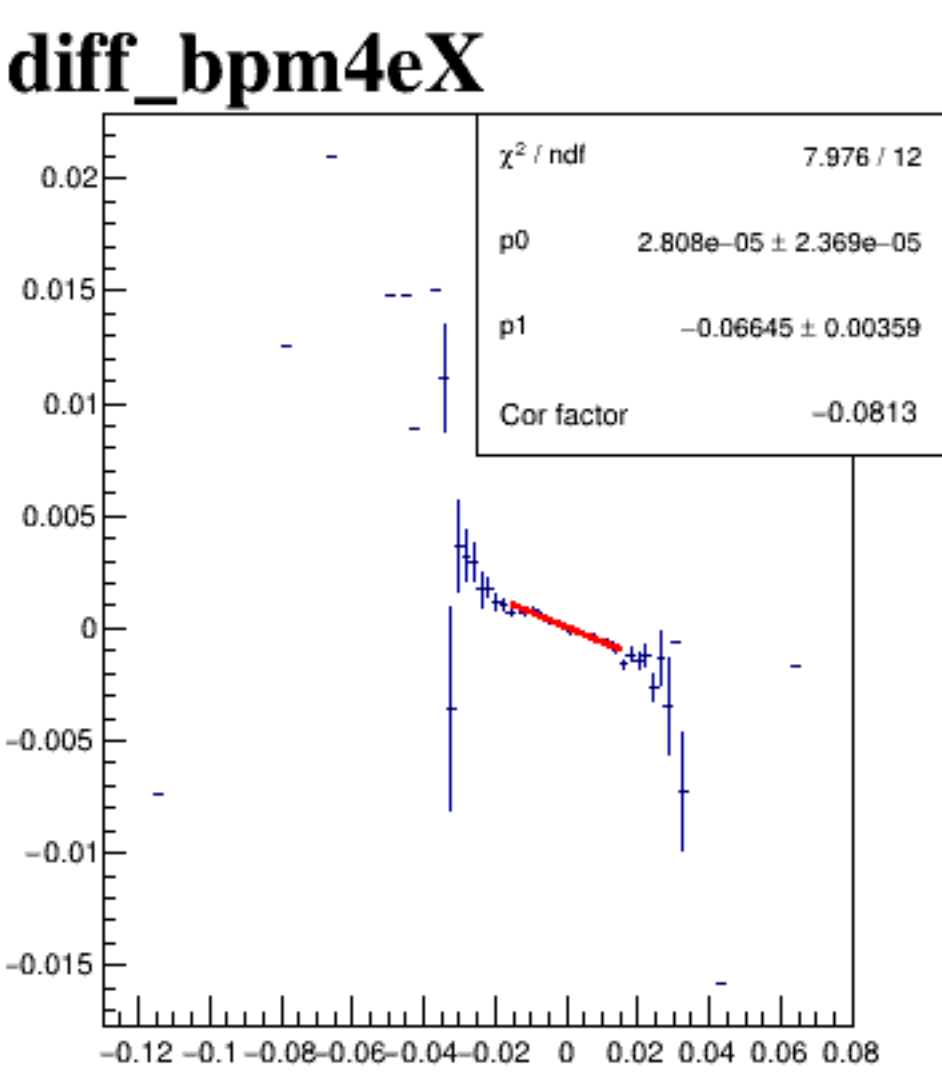
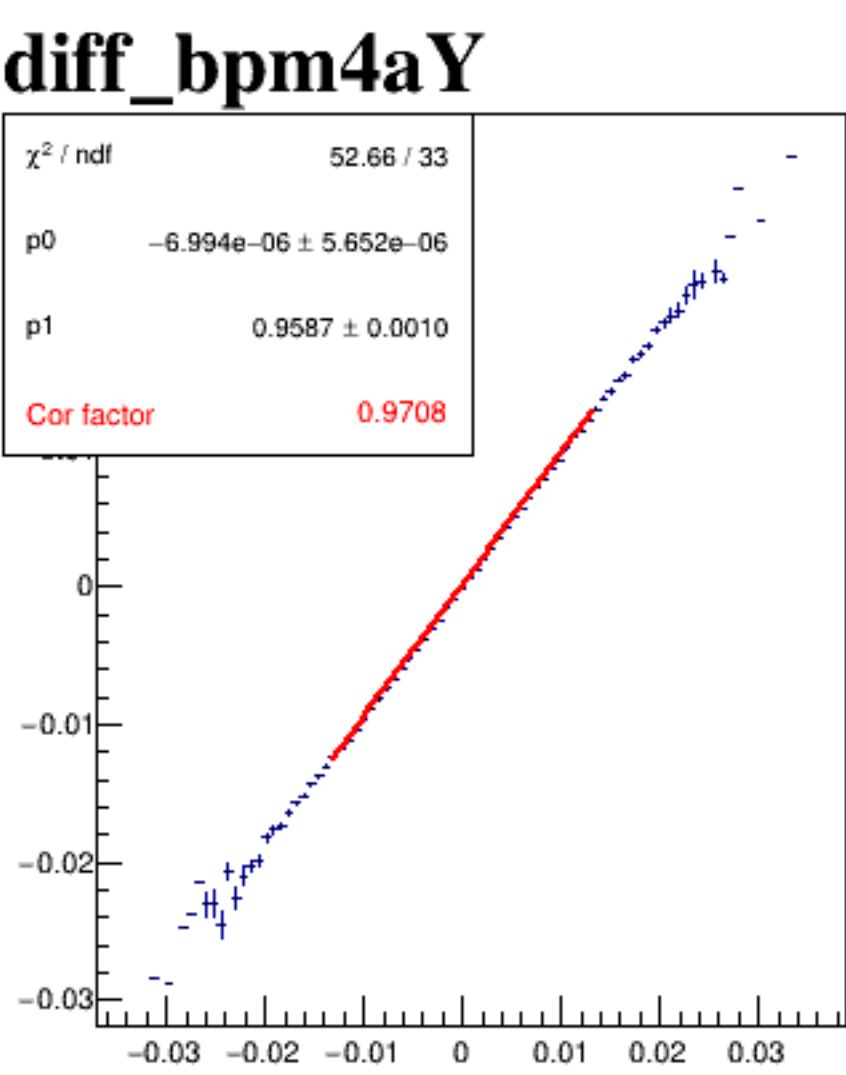
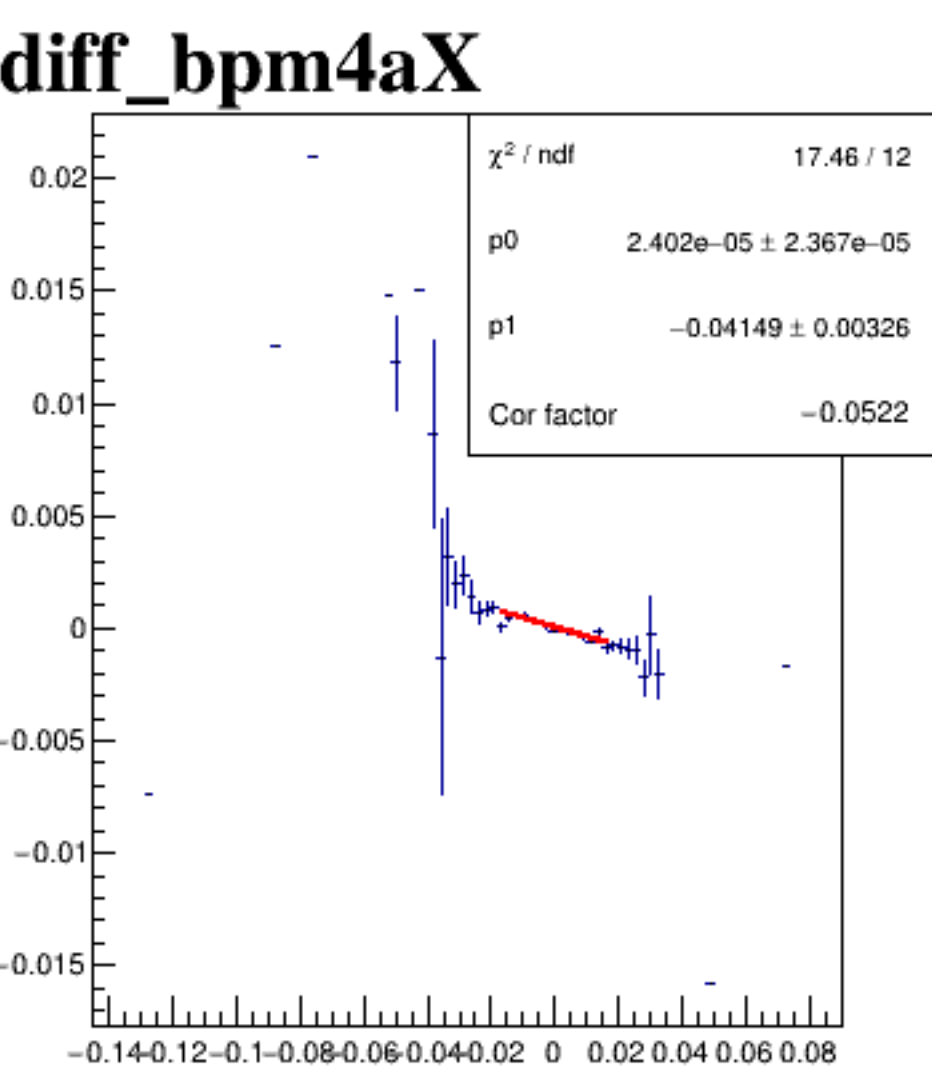
diff\_bpm4aY



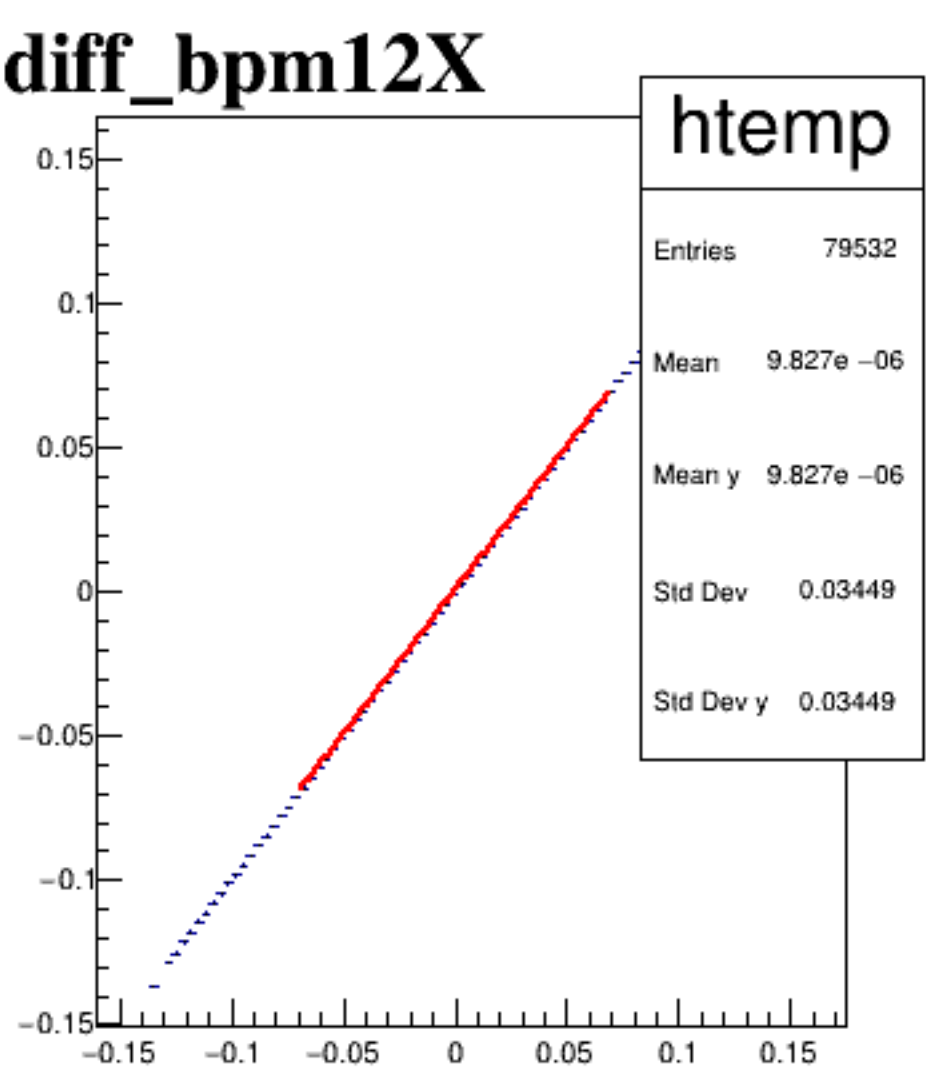
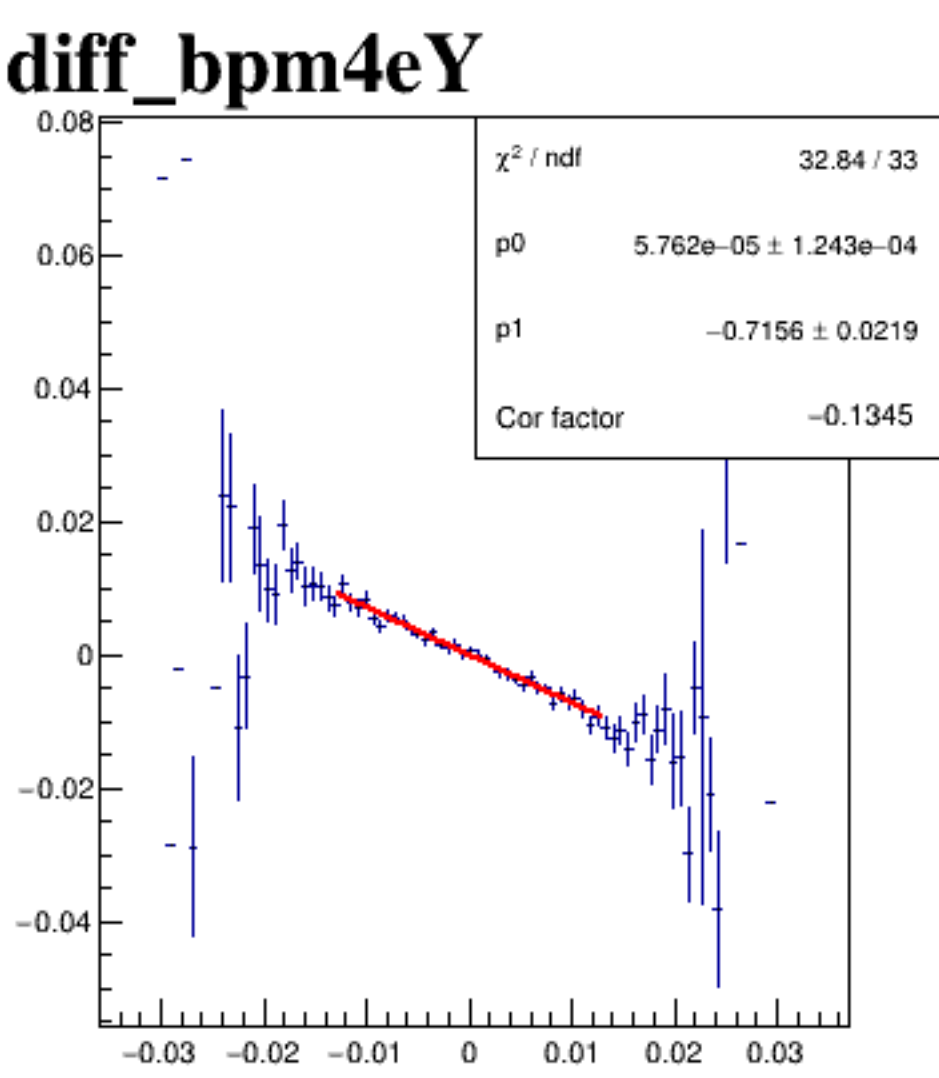
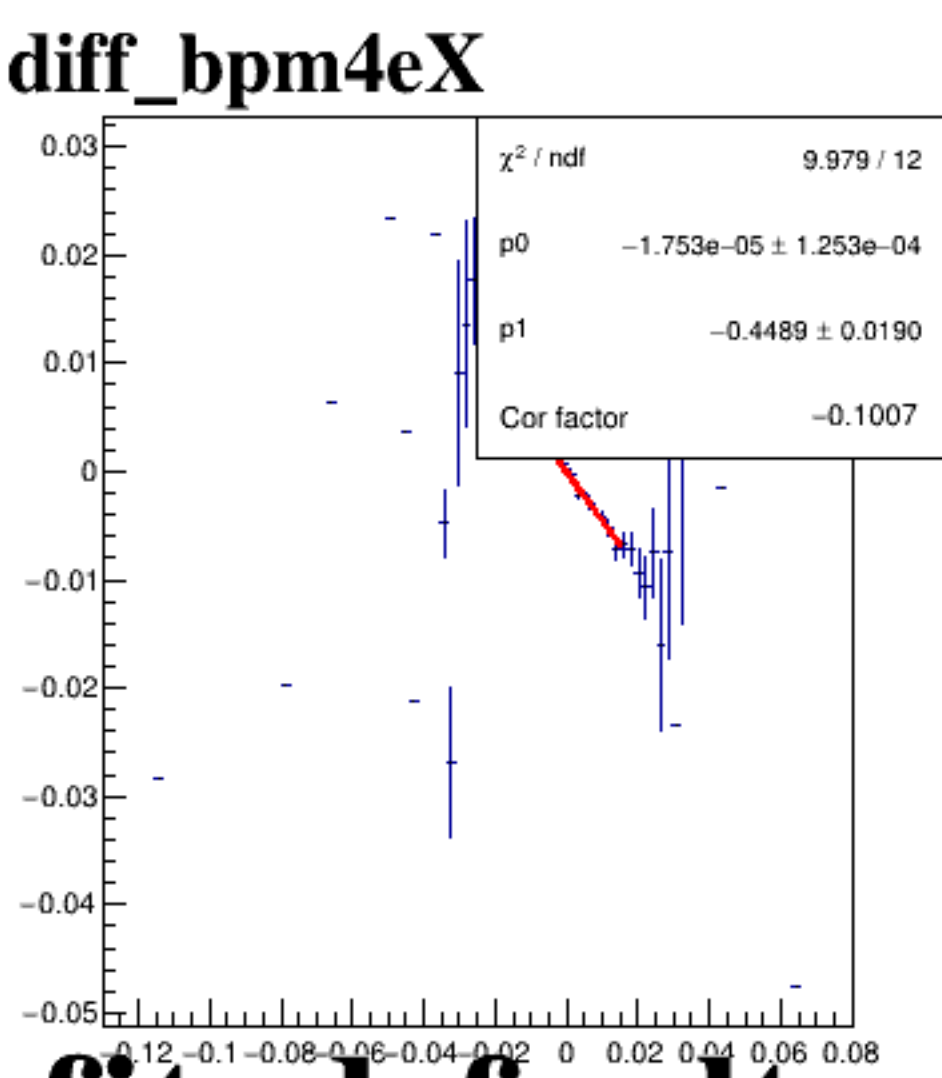
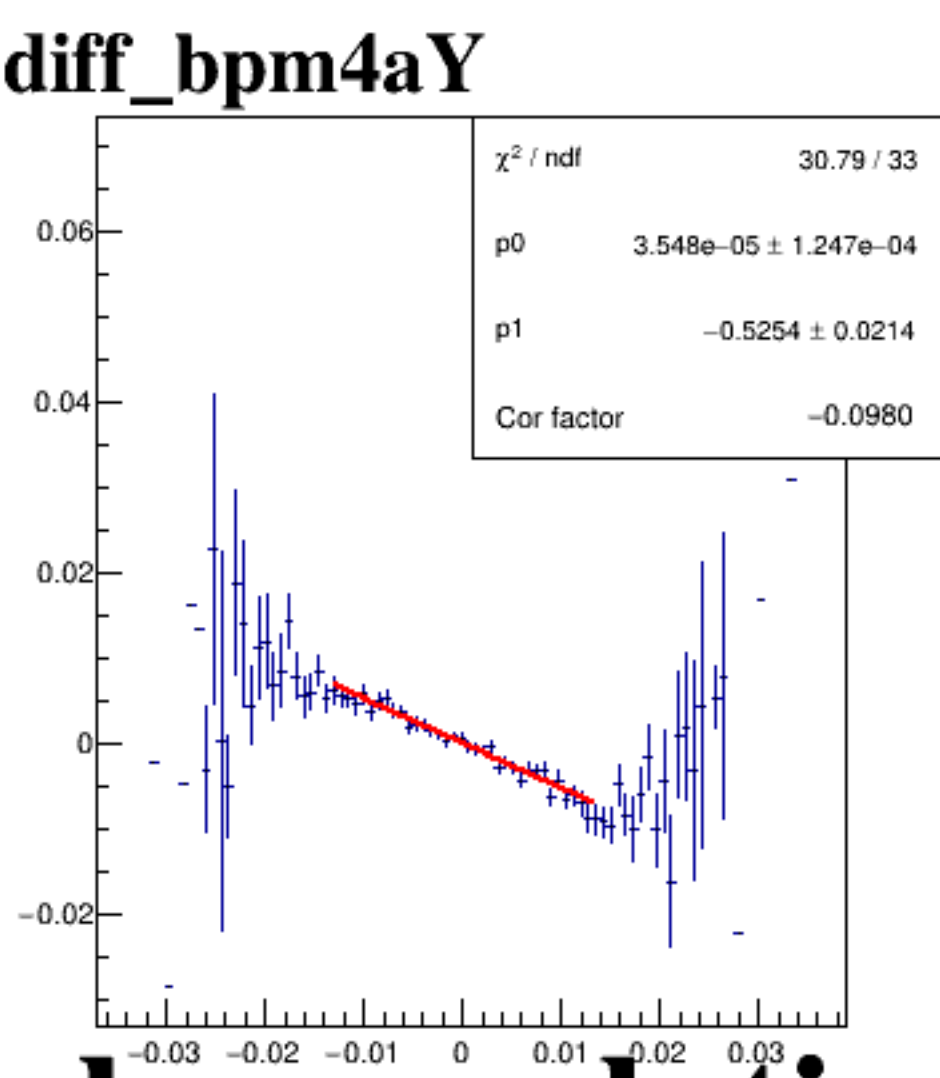
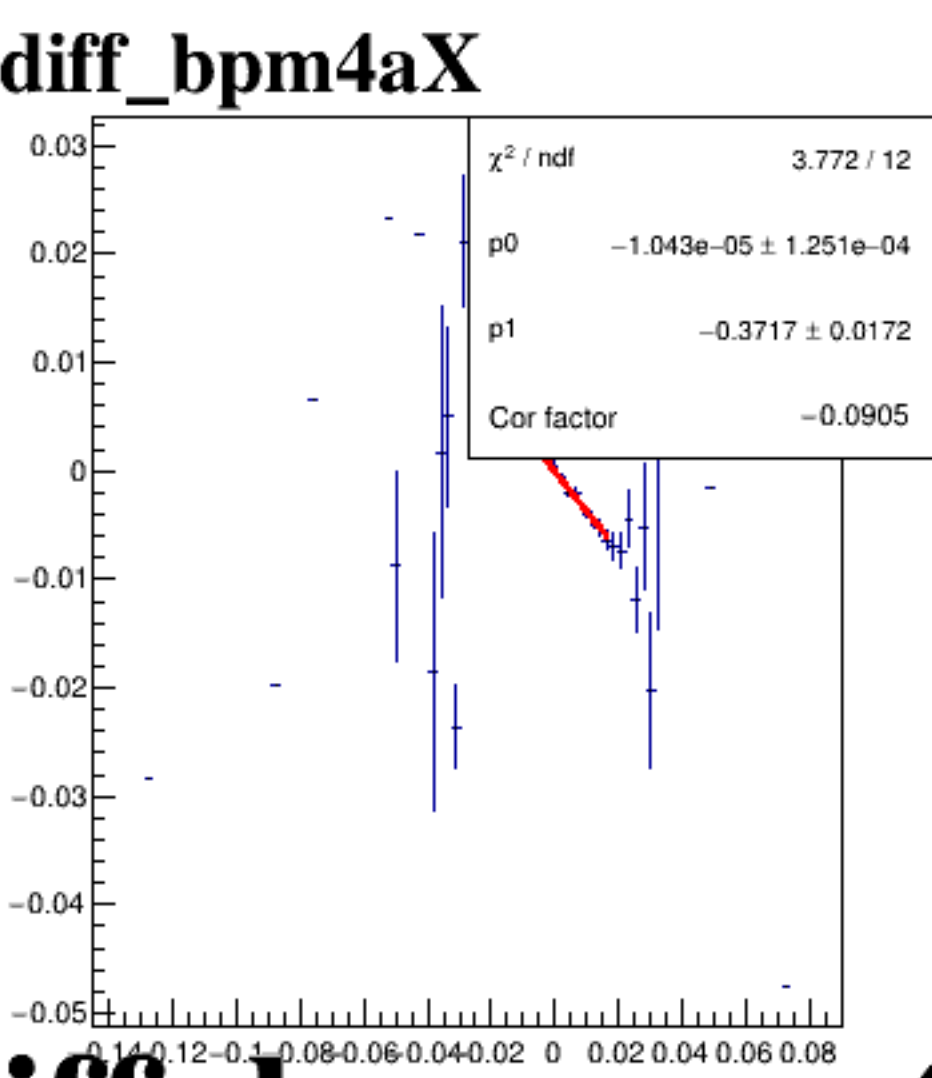
diff\_bpm4eX



diff\_bpm4eY



diff\_bpm12X

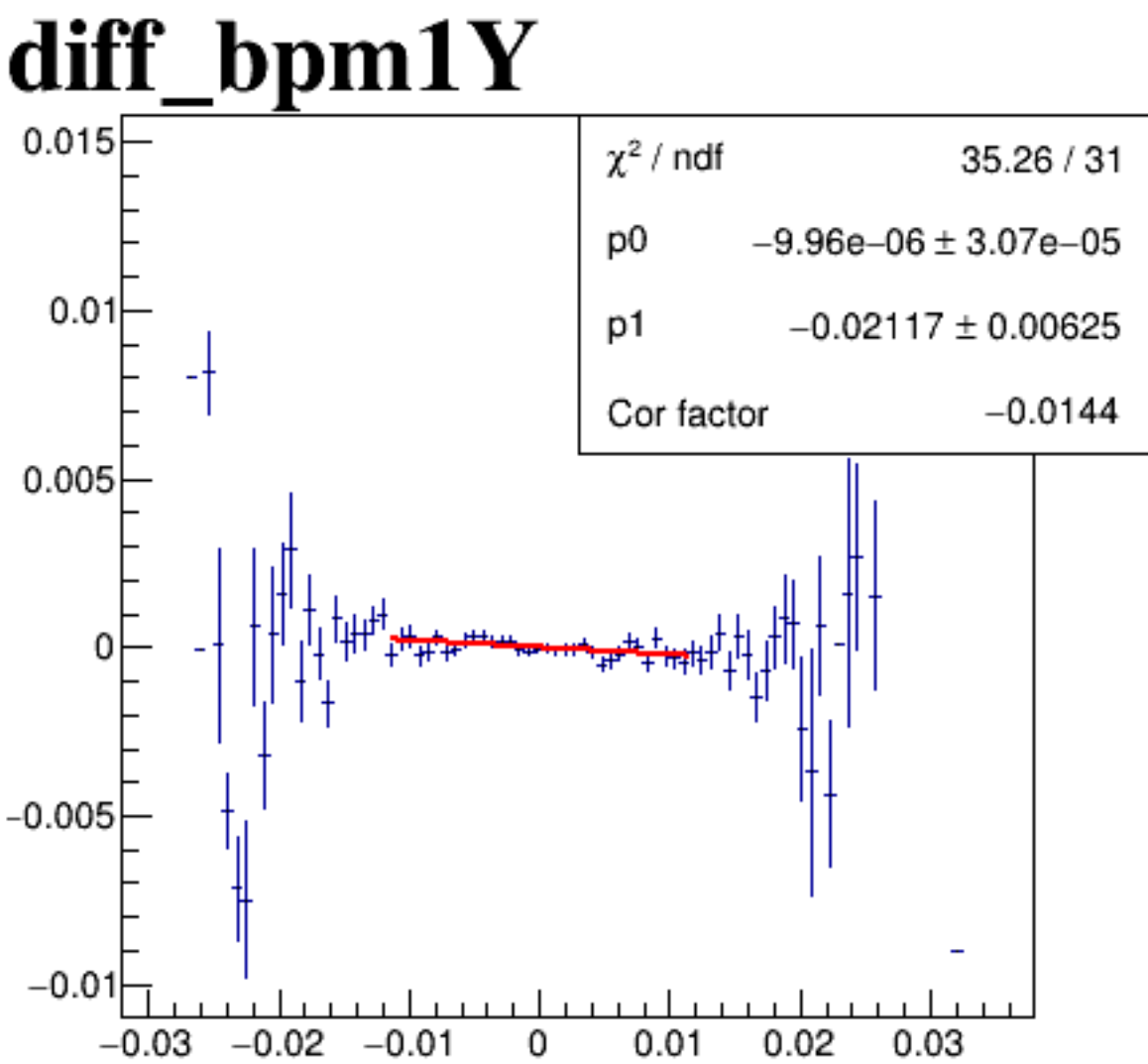
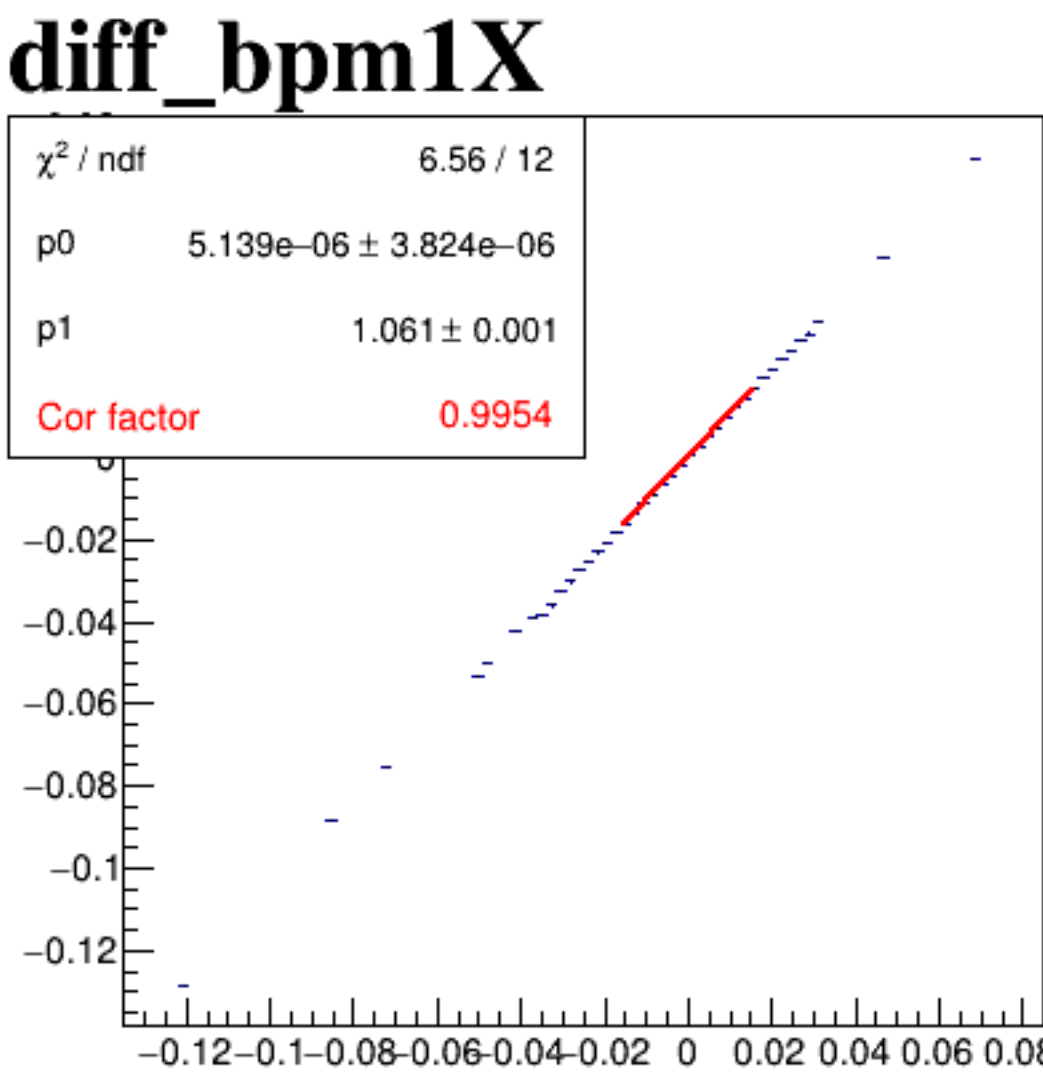
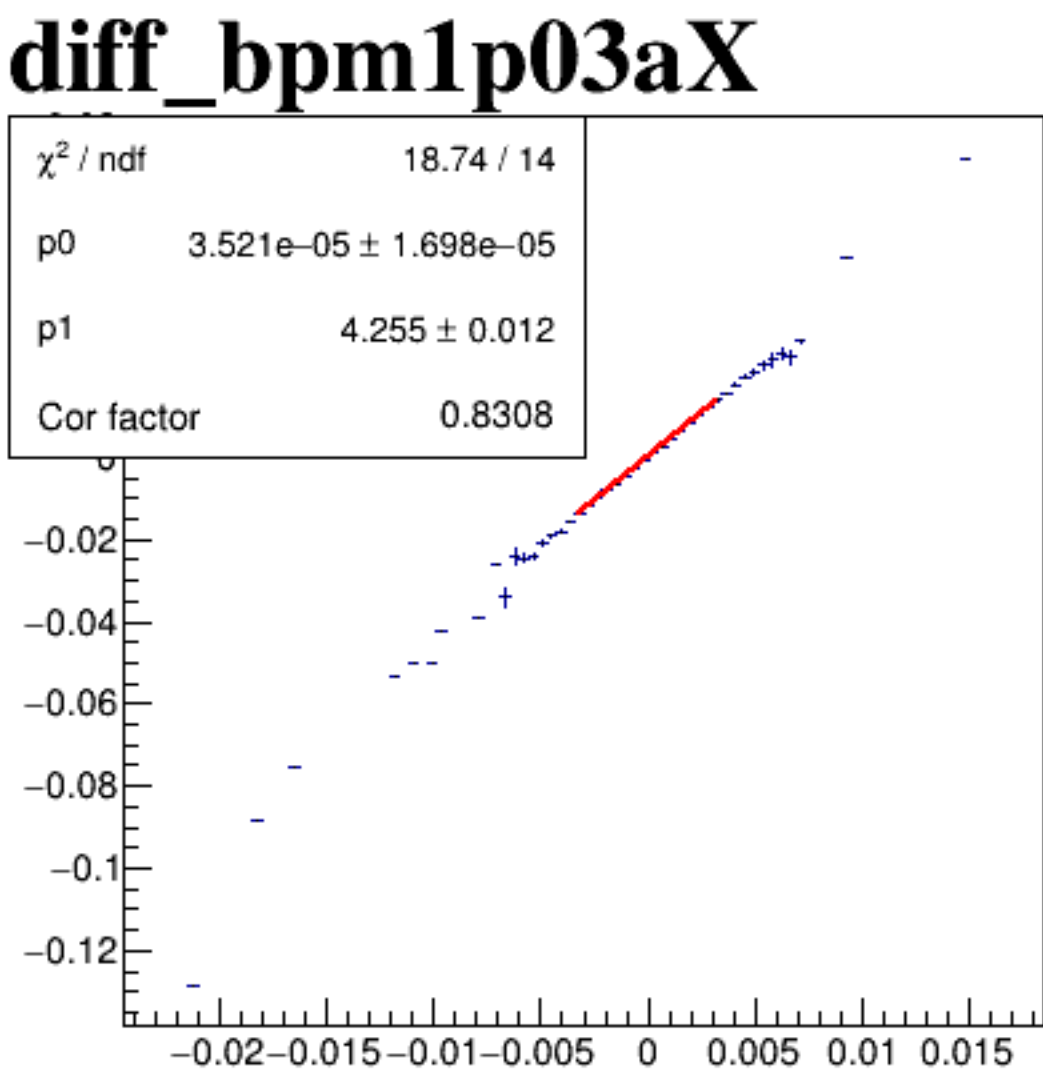
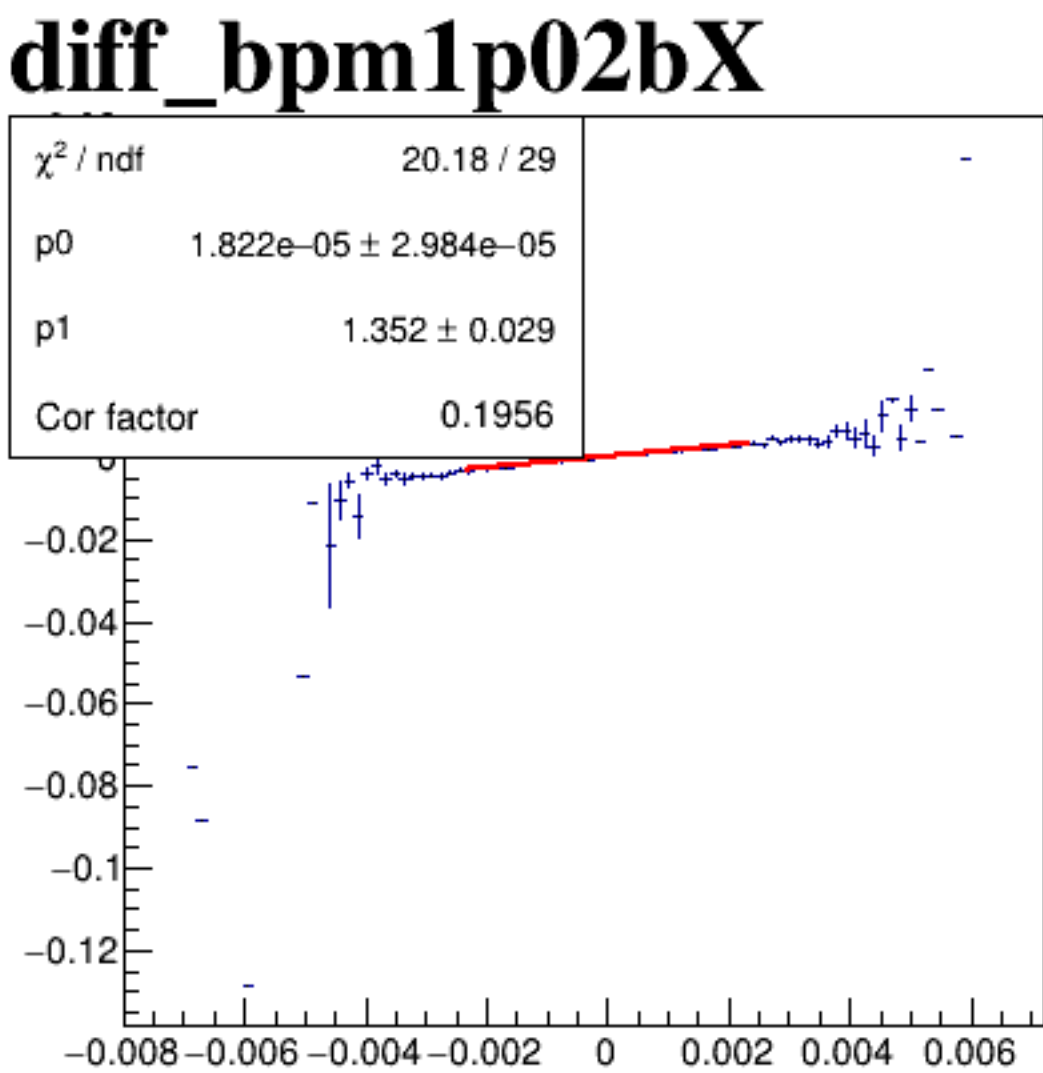


run7416\_000\_diff\_bpm\_mutual\_correlation\_fit\_default.png

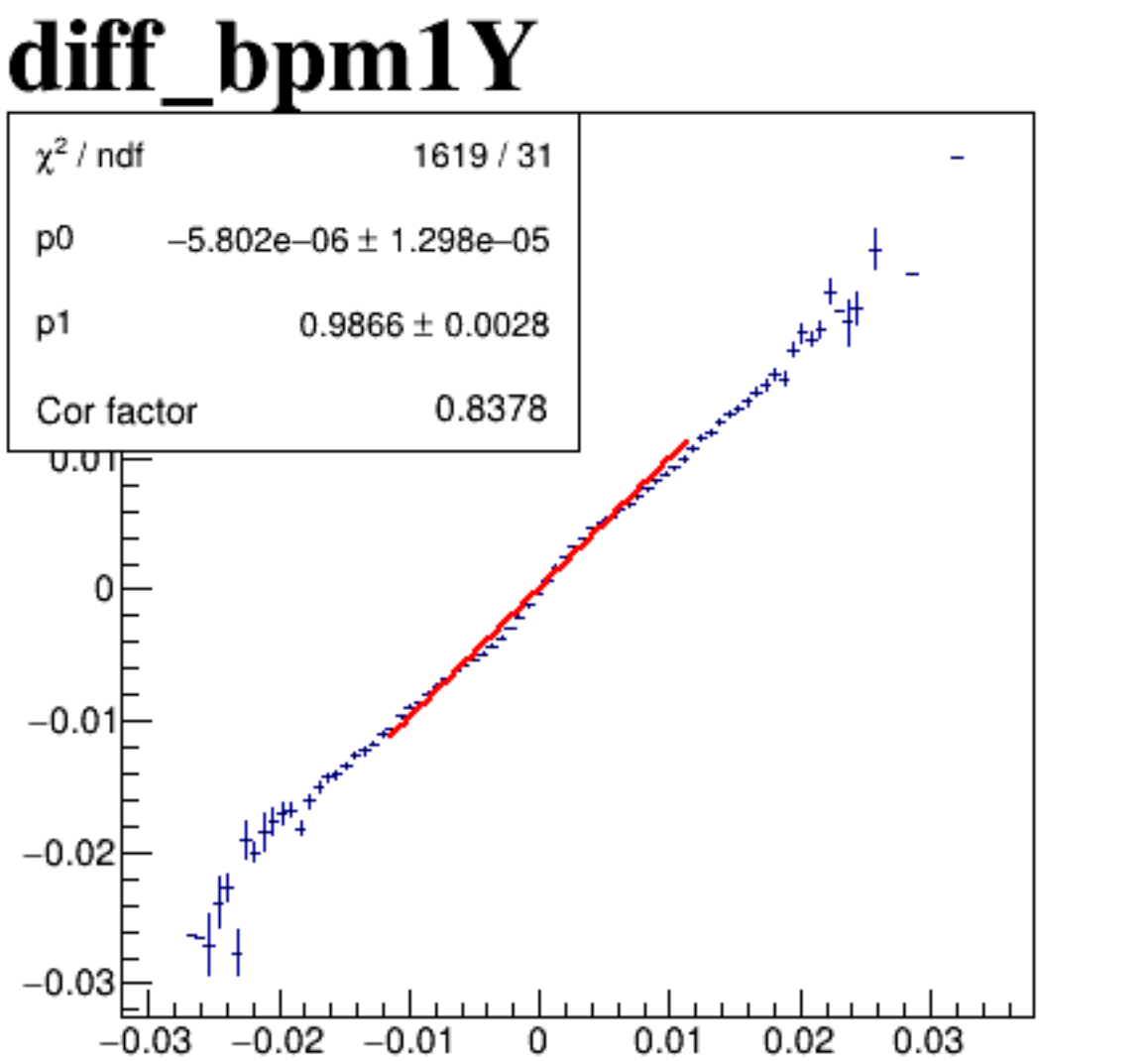
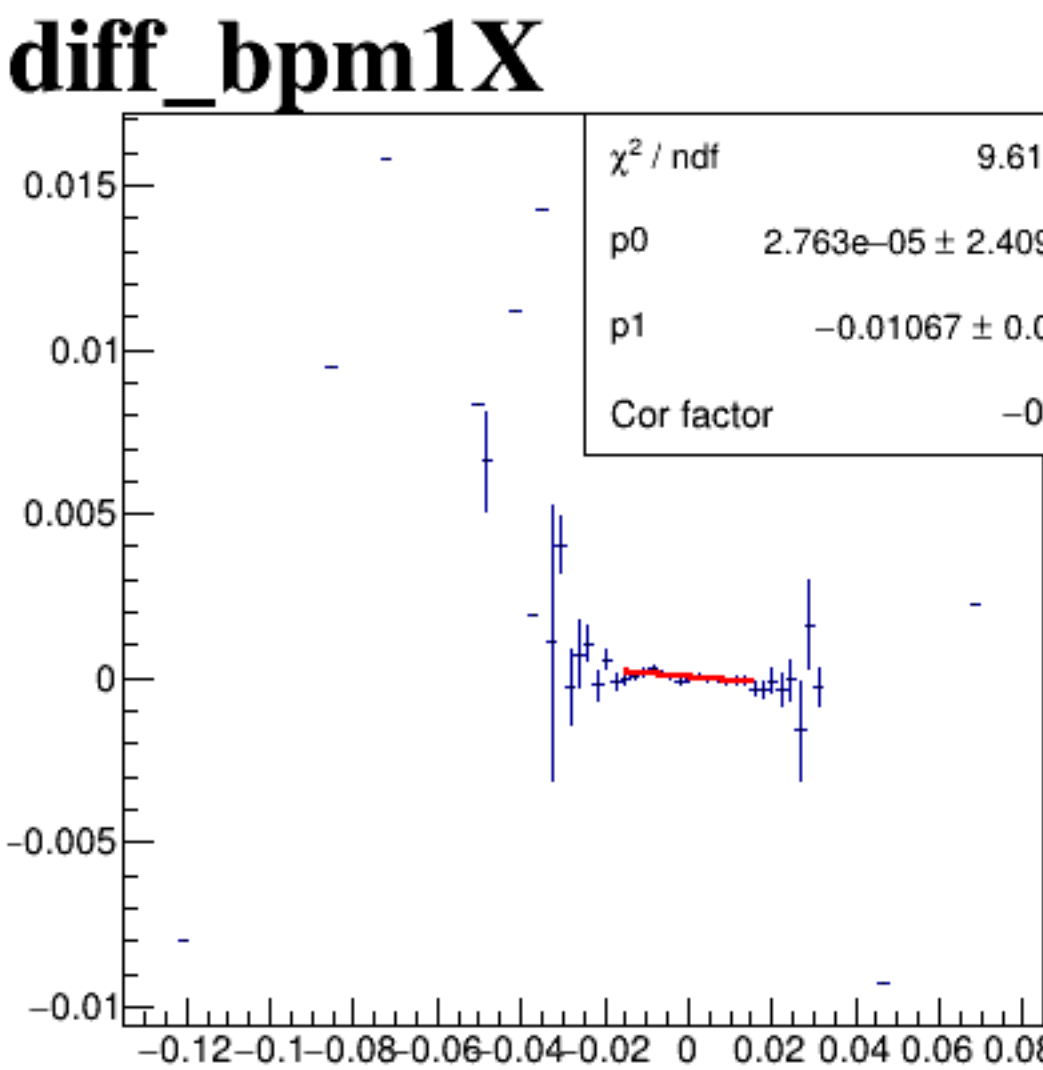
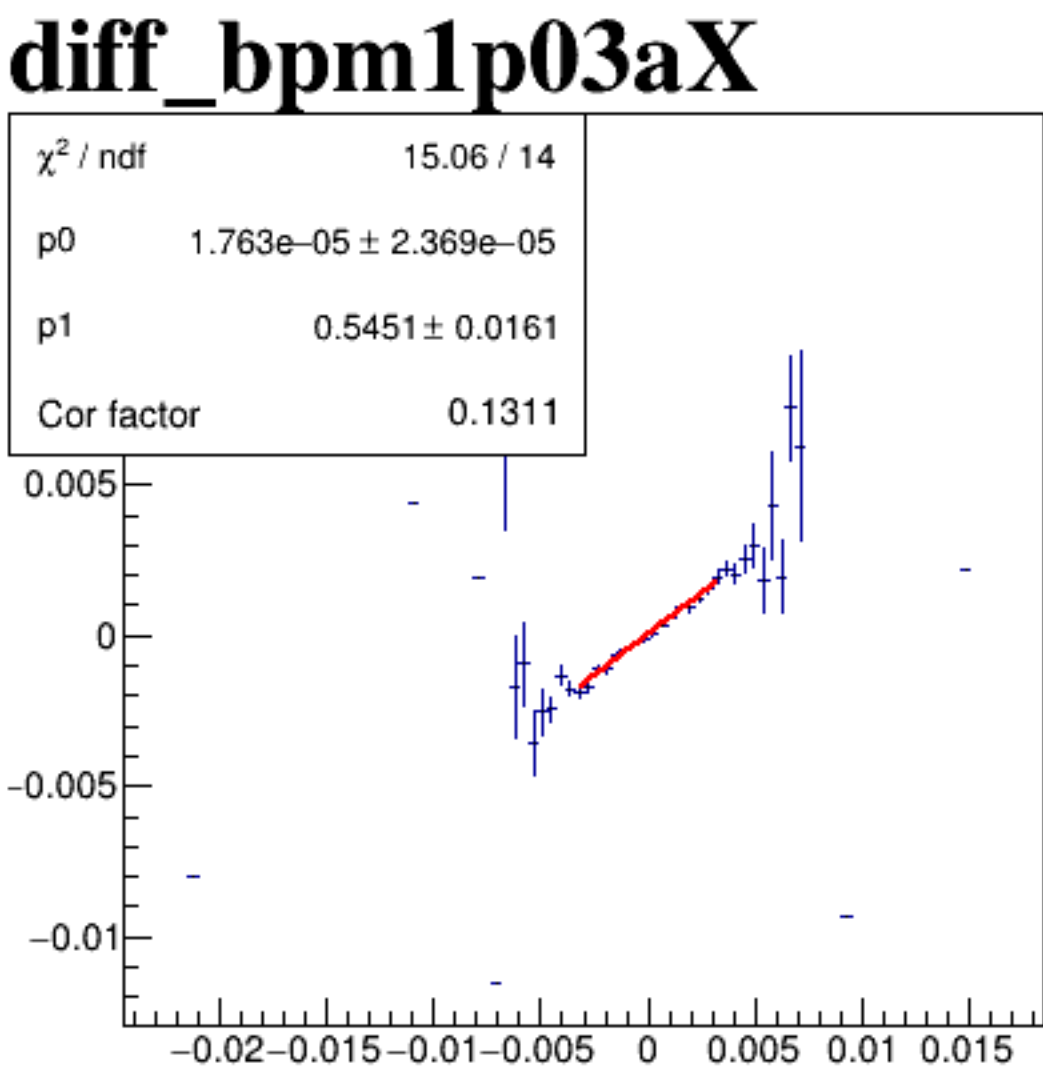
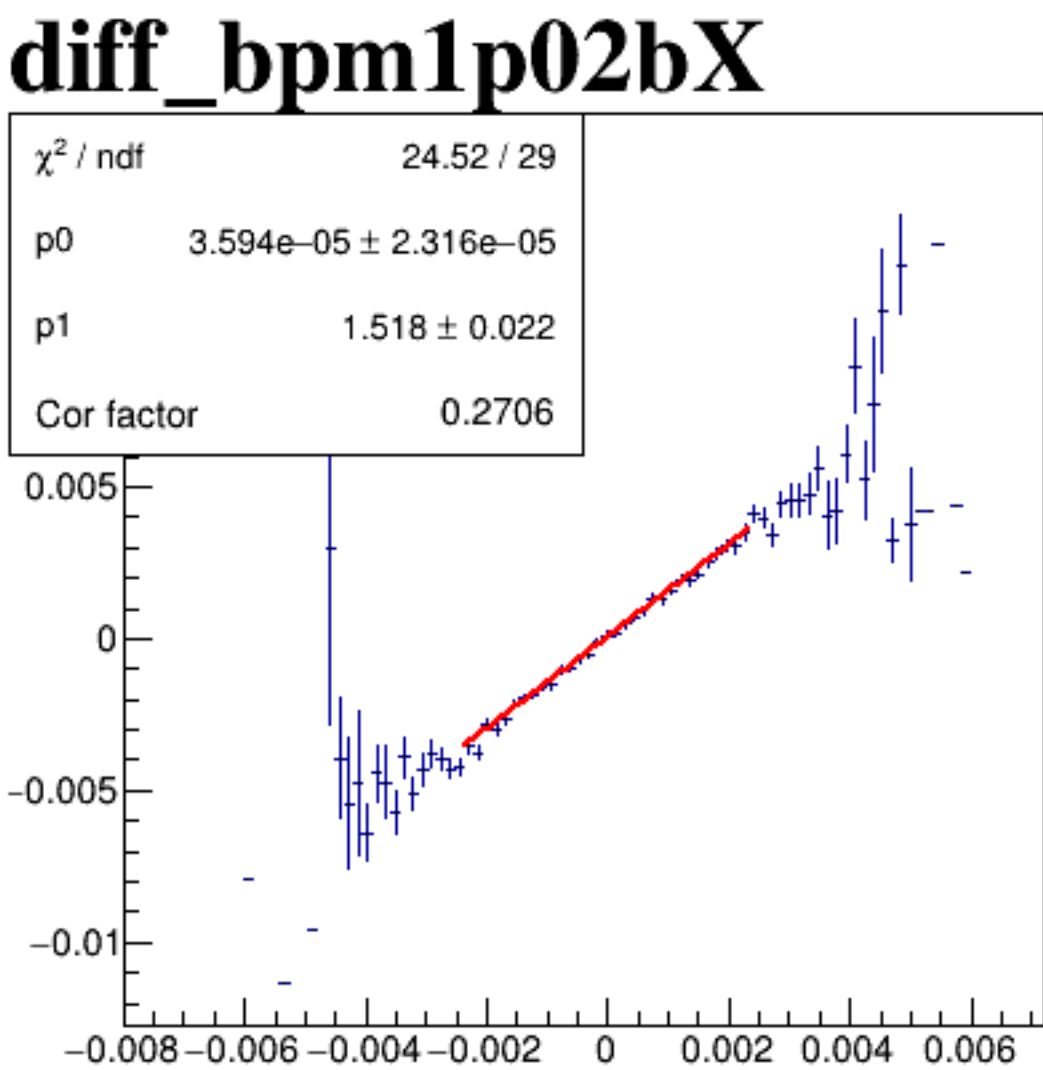




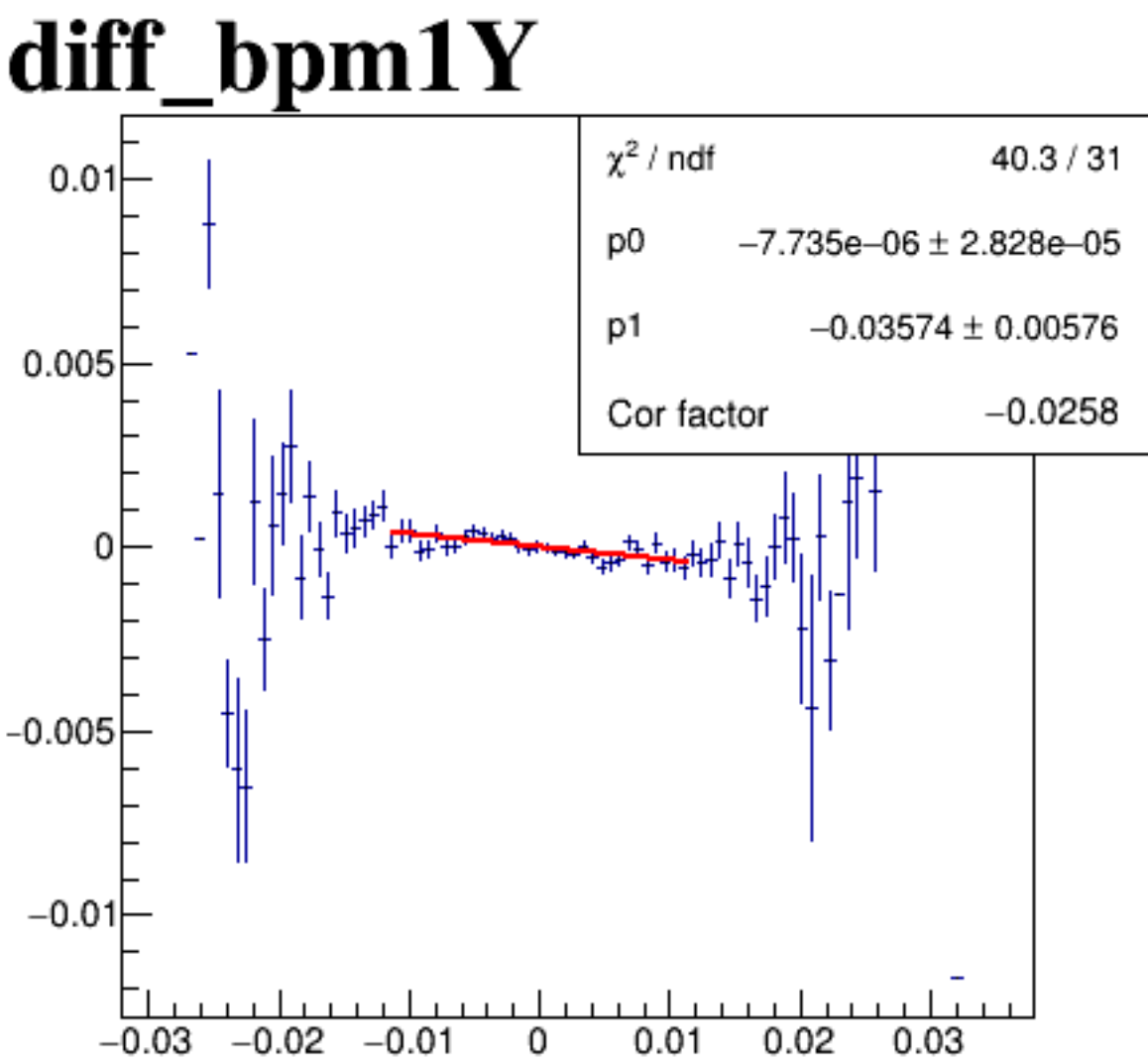
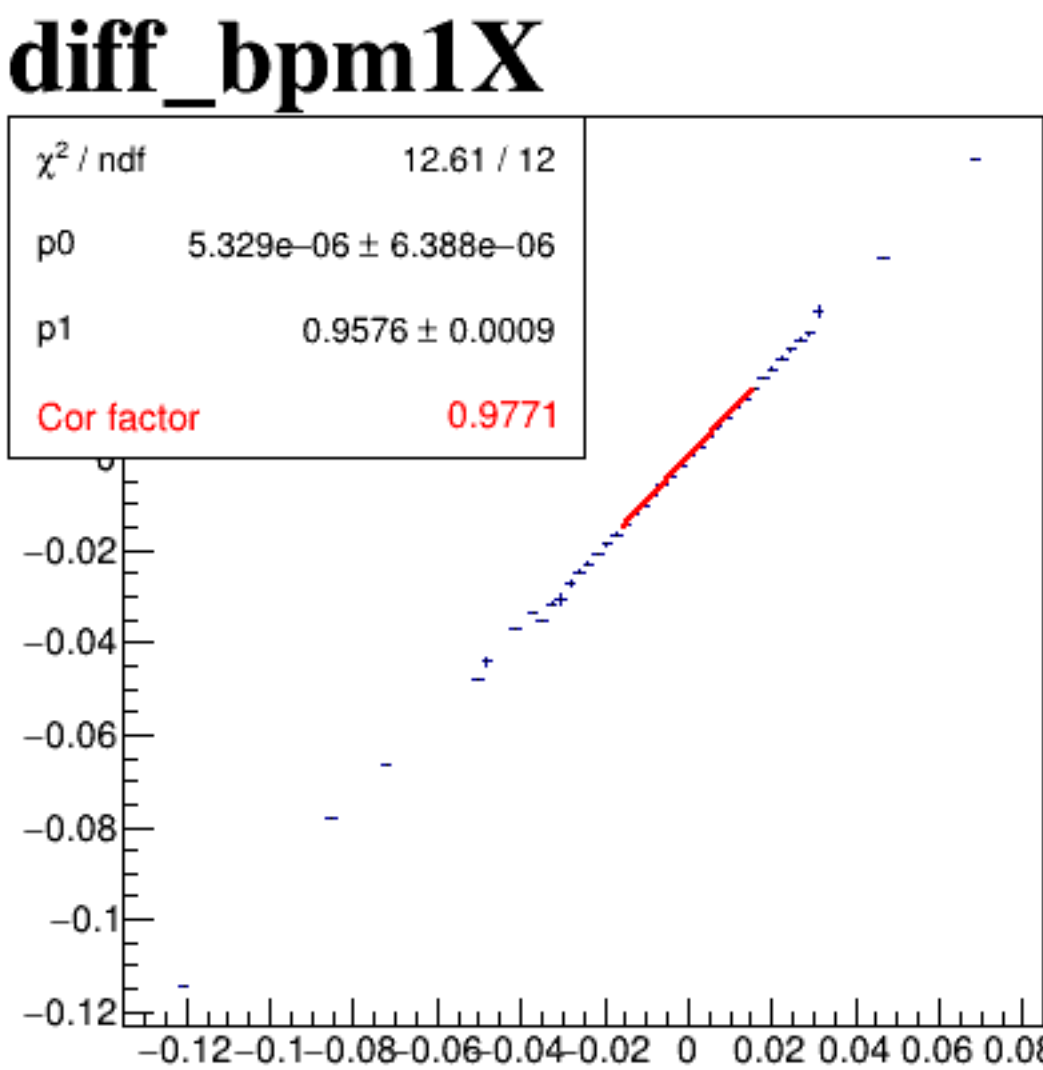
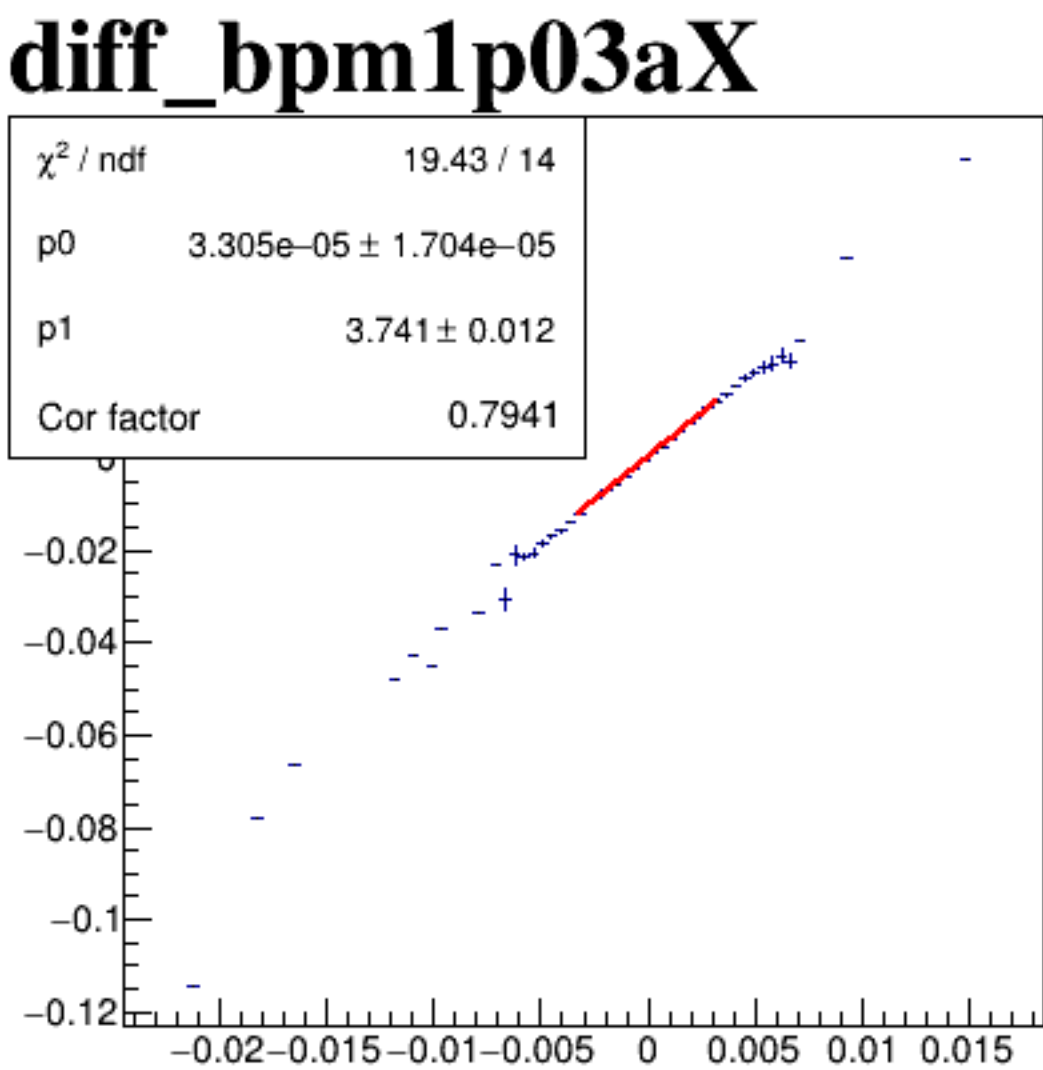
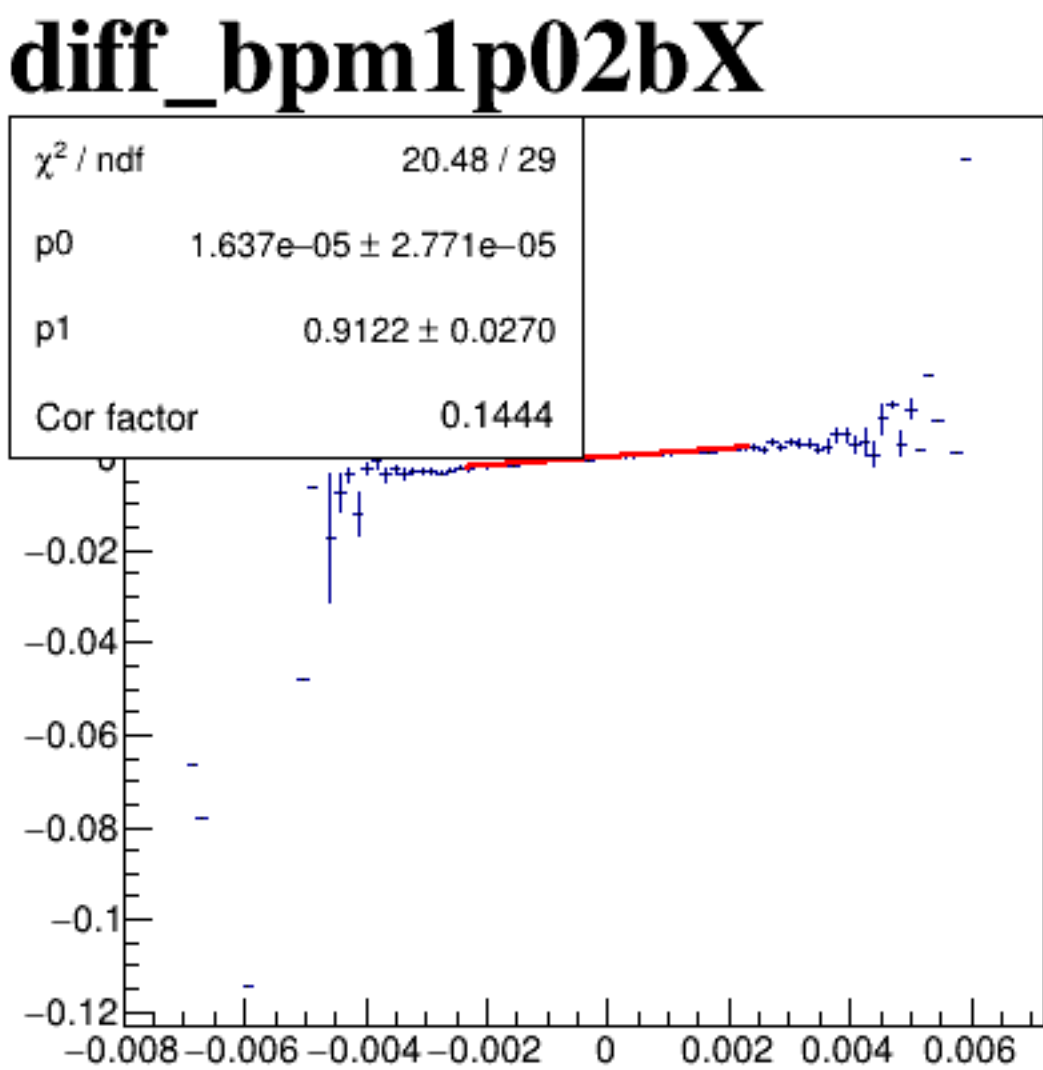
diff\_bpm4aX



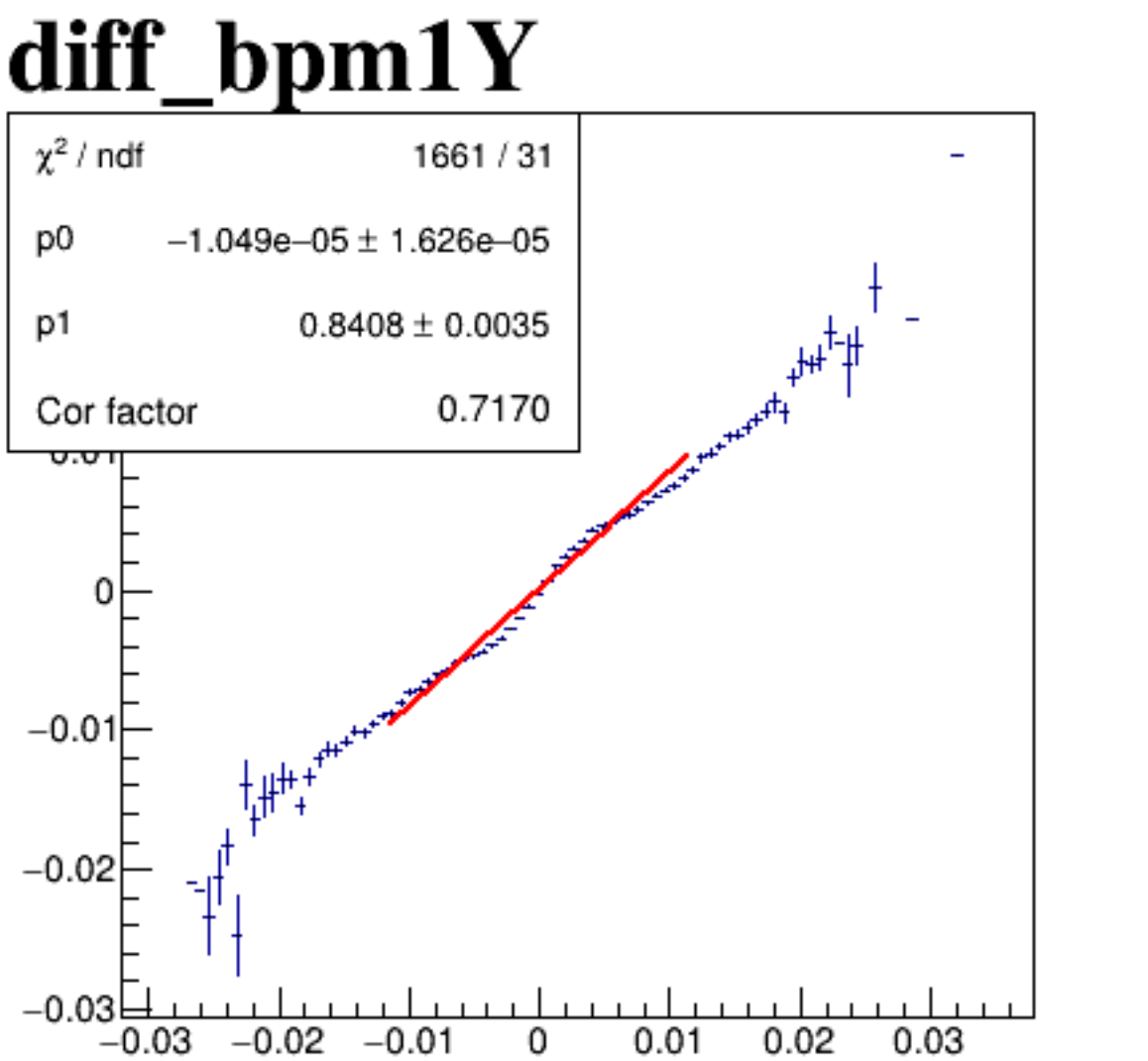
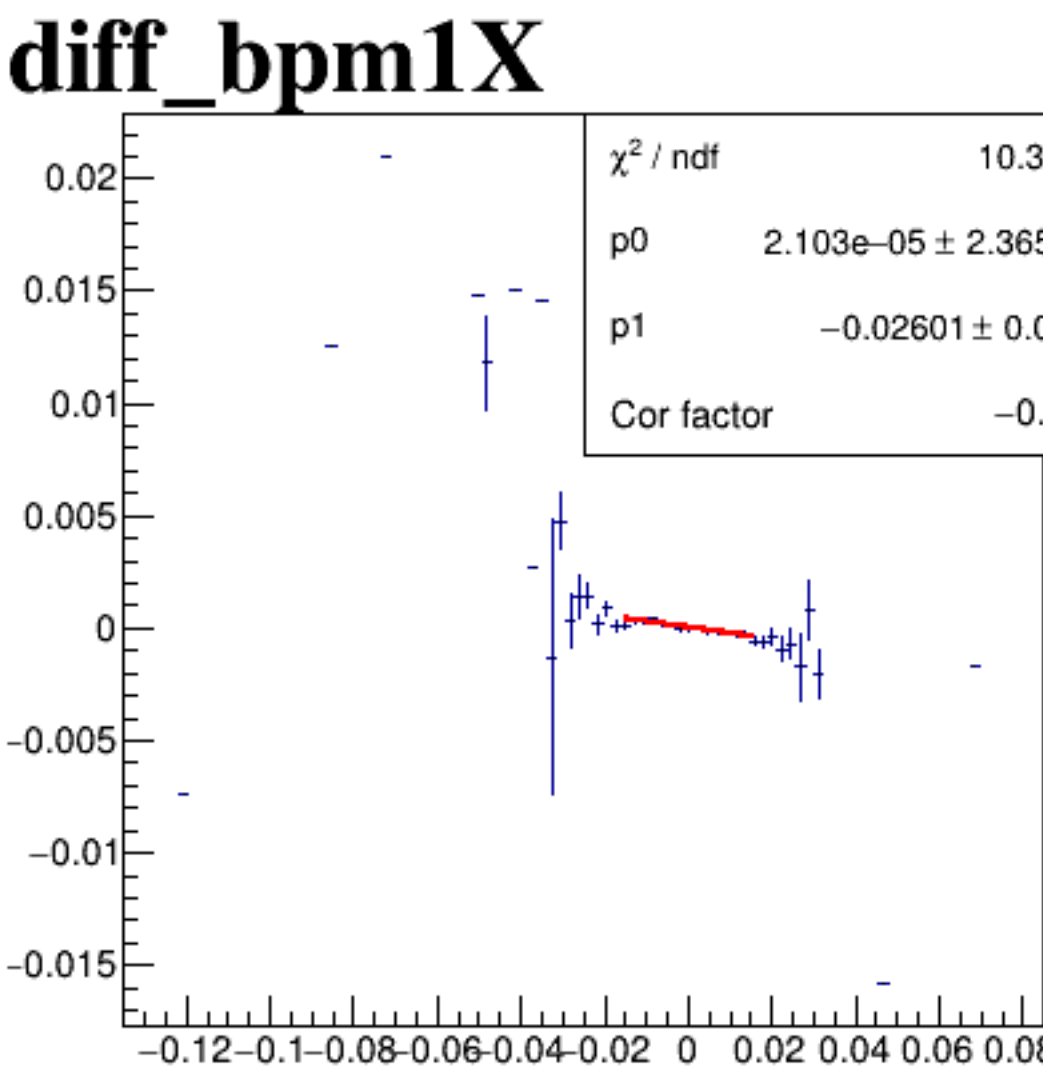
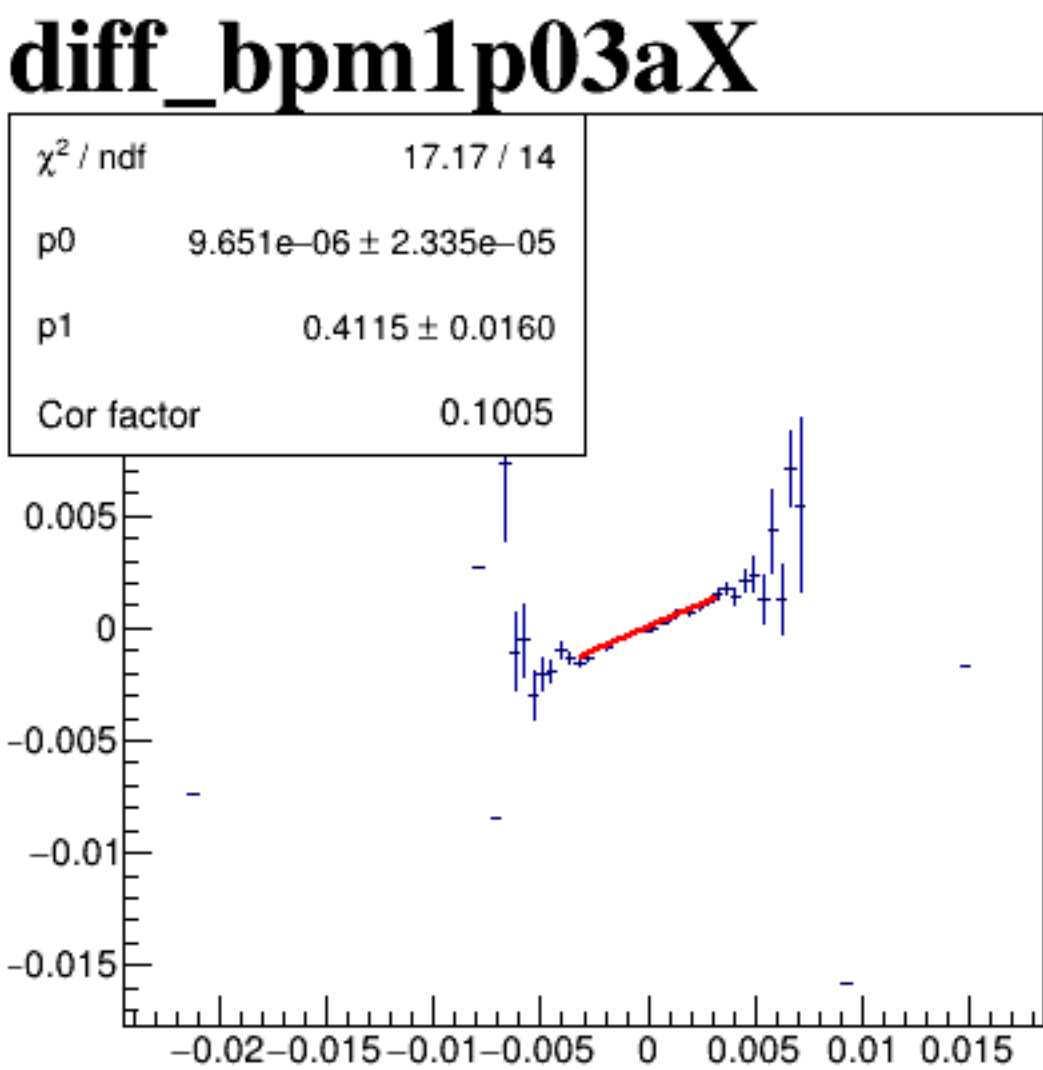
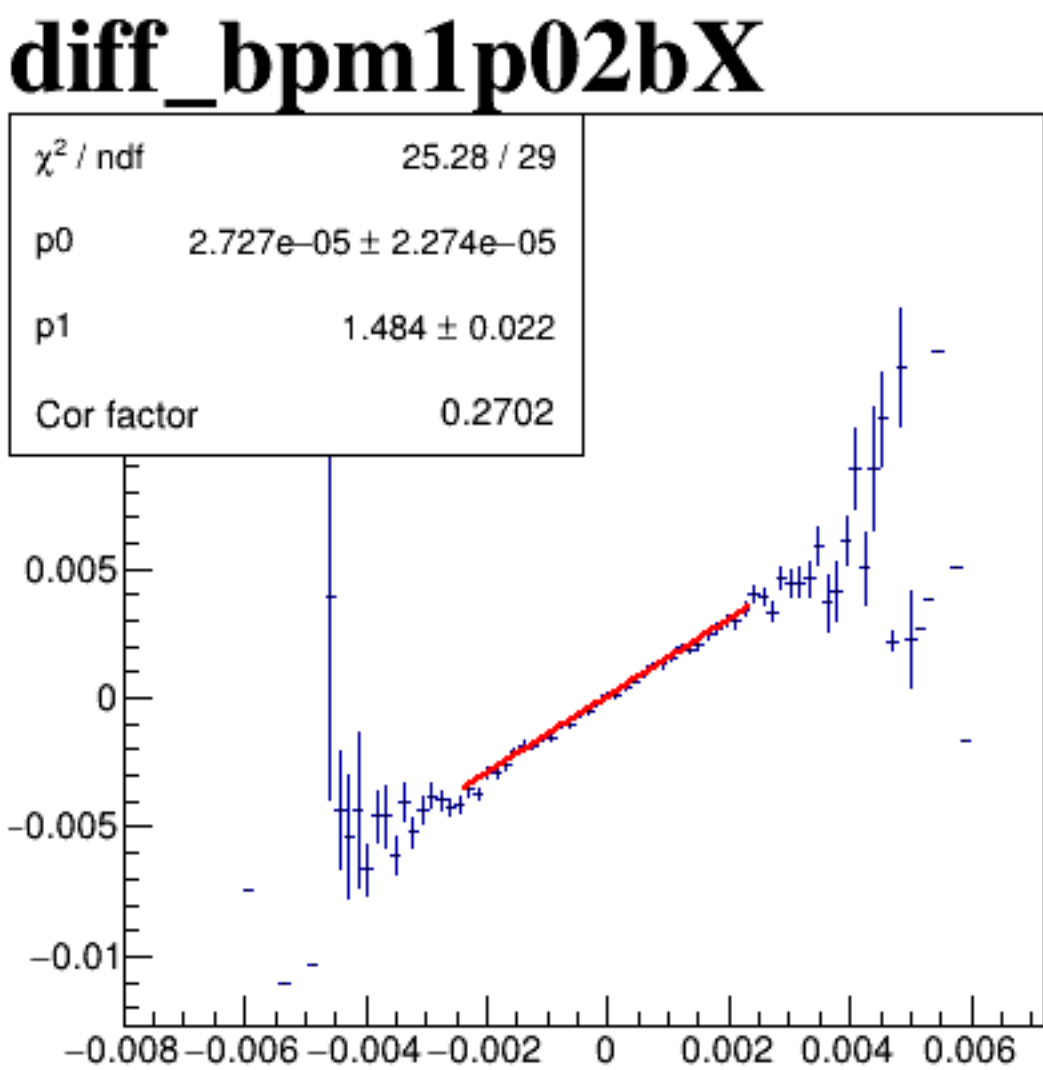
diff\_bpm4aY



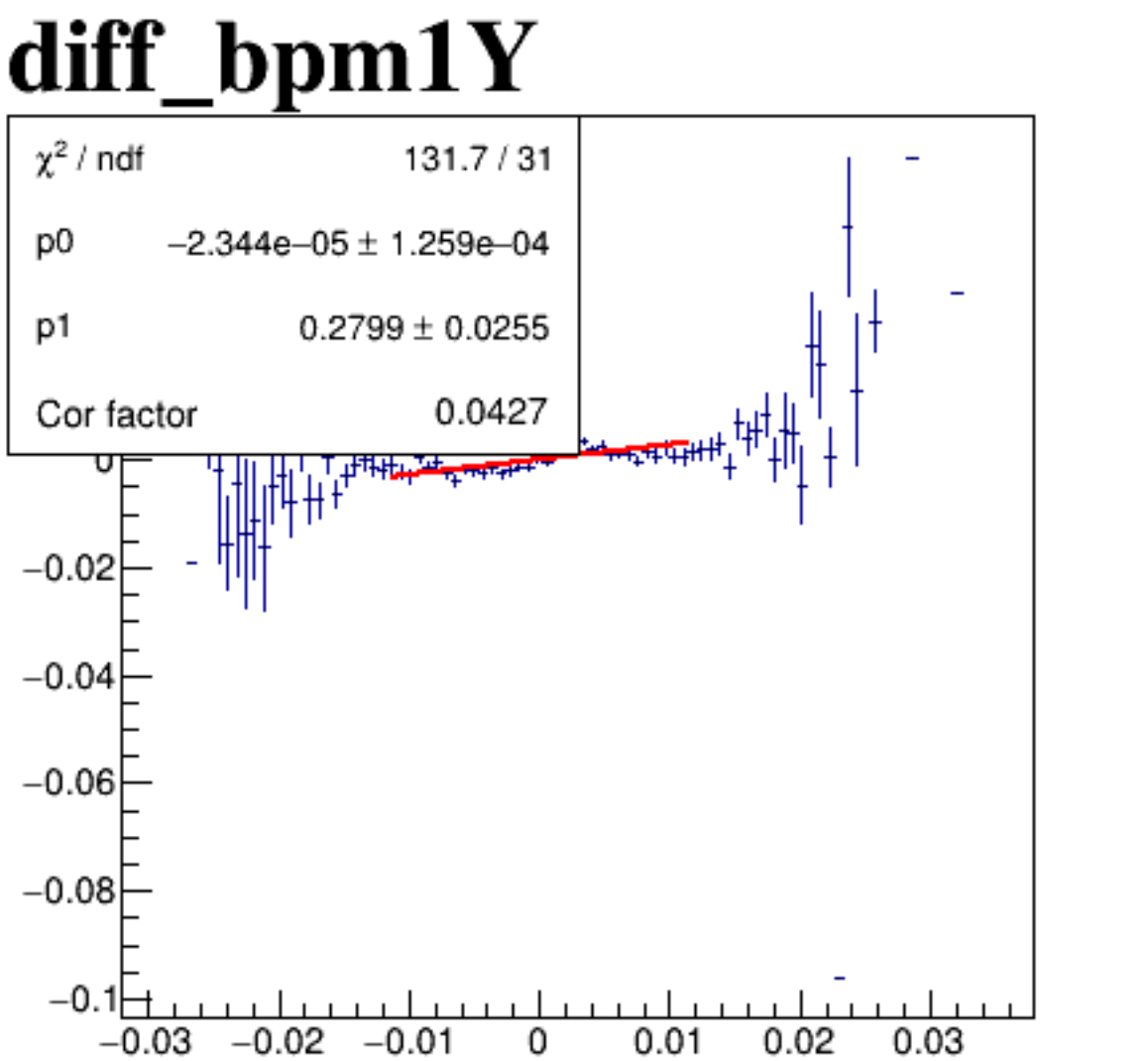
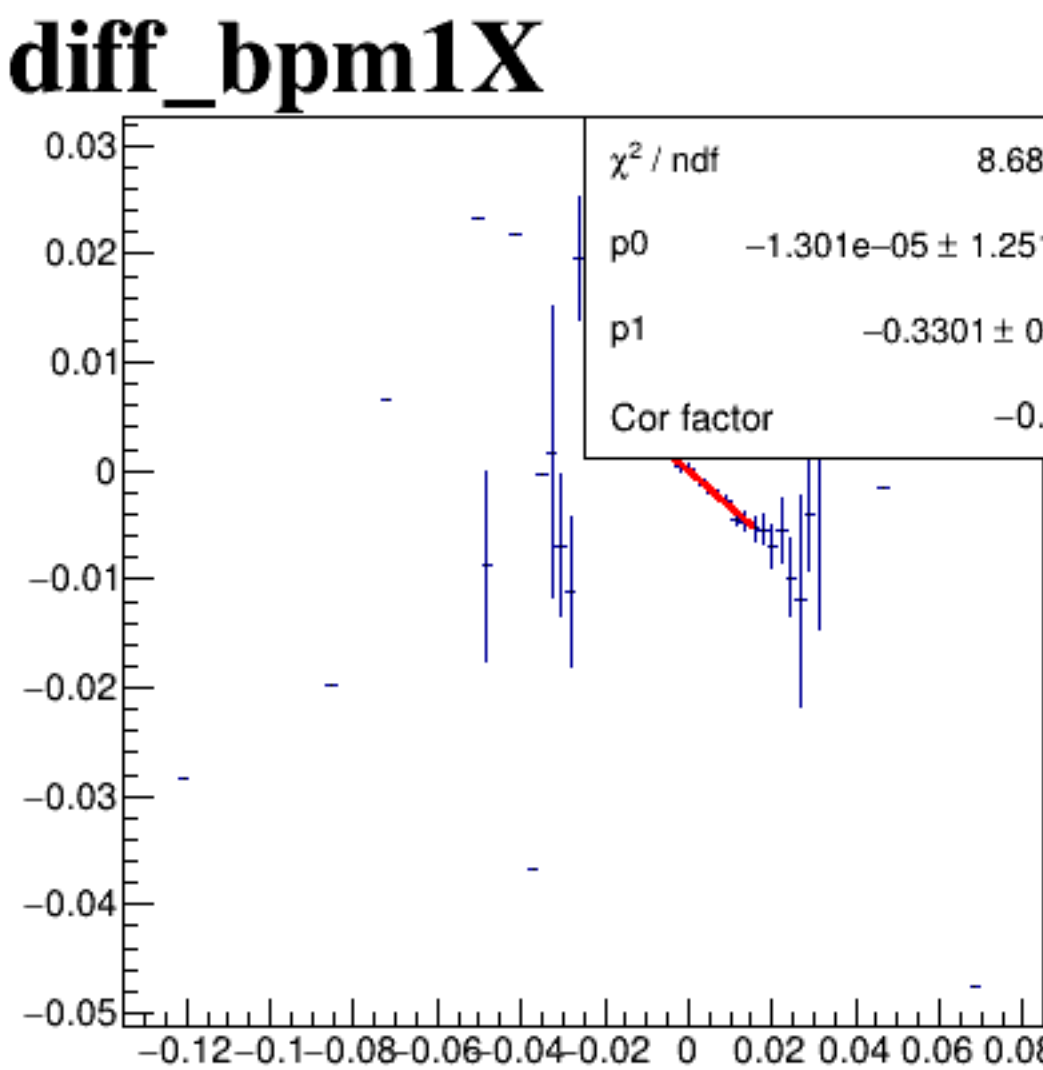
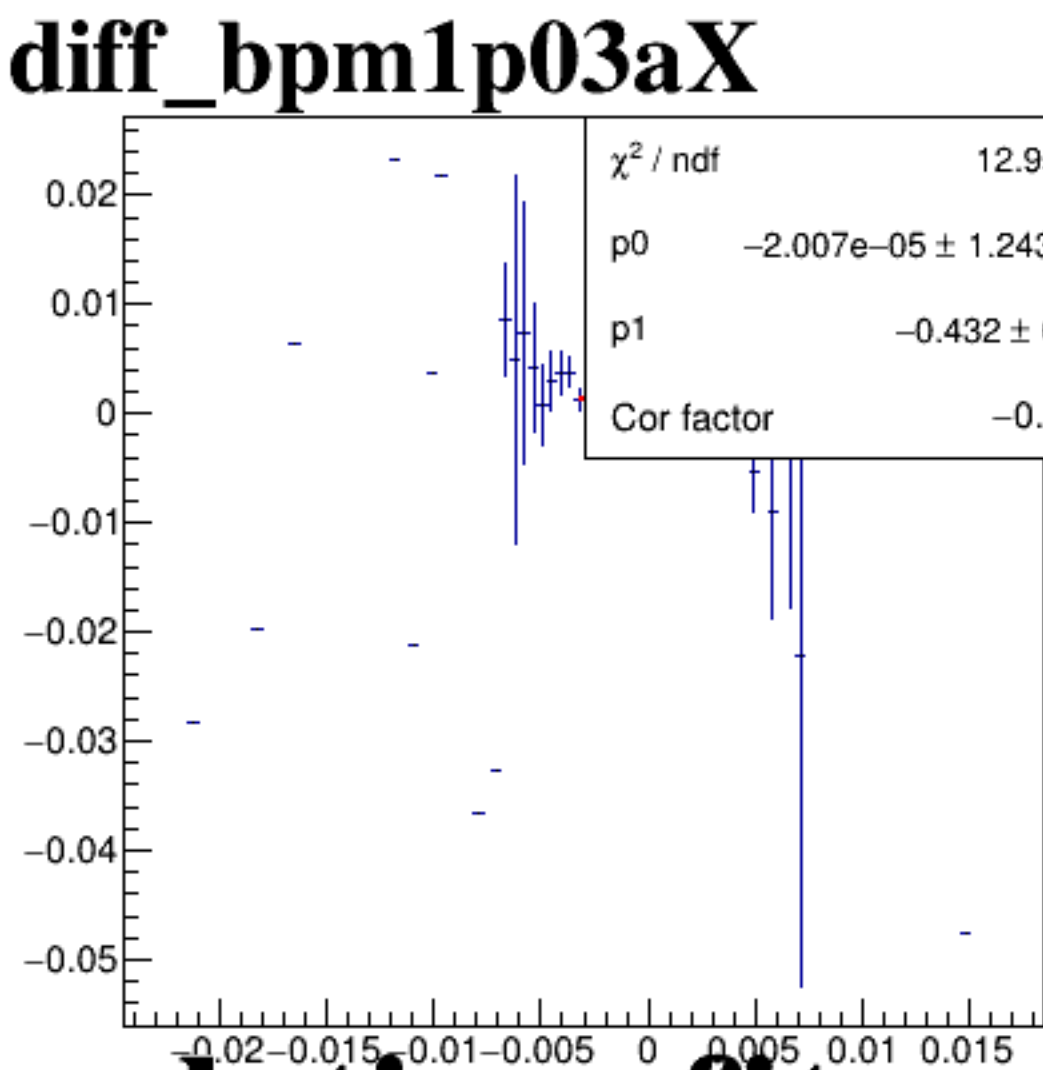
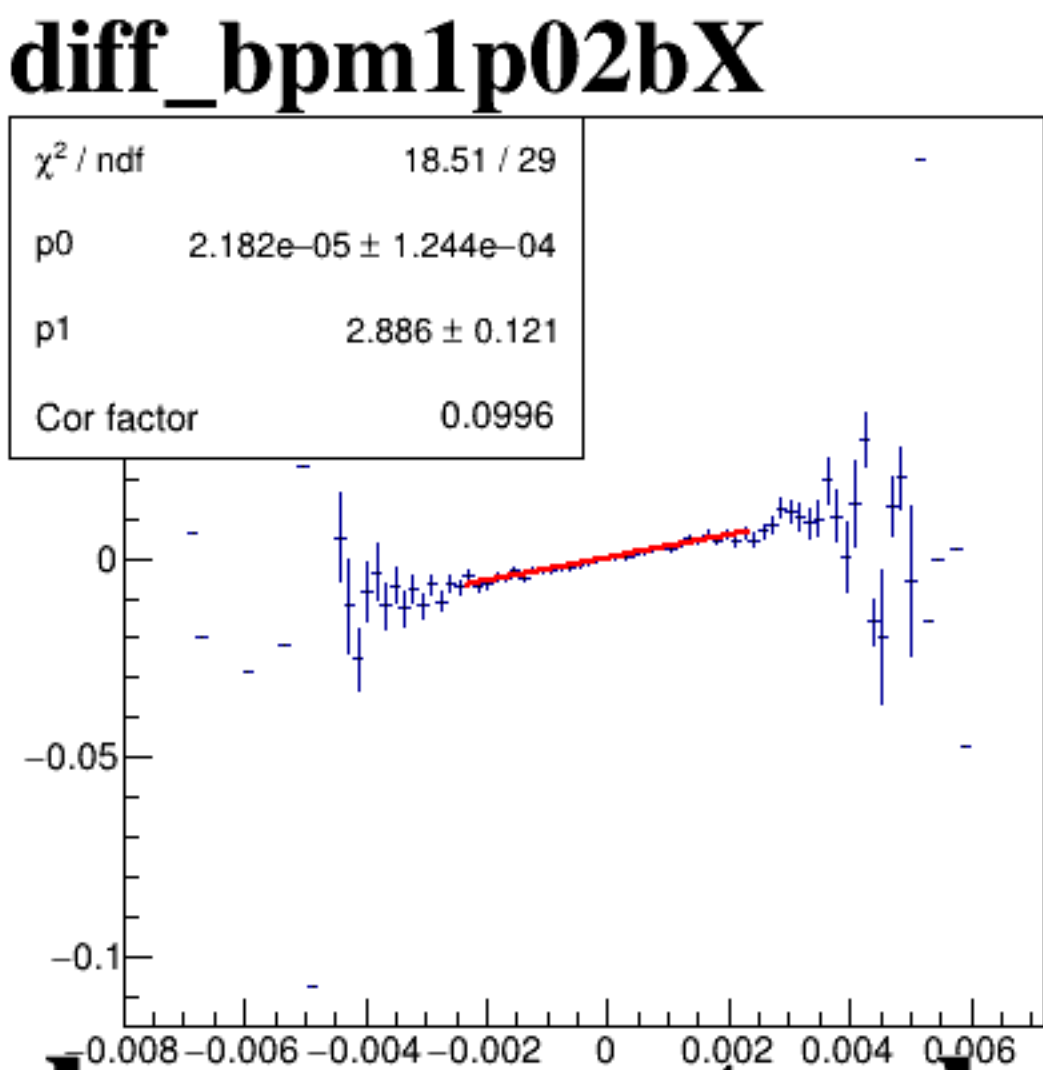
diff\_bpm4eX



diff\_bpm4eY



diff\_bpm12X



A scatter plot showing the relationship between two variables, both labeled 'diff\_bpm1X'. The x-axis and y-axis both range from -0.12 to 0.08, with major tick marks 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 linear correlation. The plot is titled 'diff\_bpm1X' in a large, bold, black font at the top left.

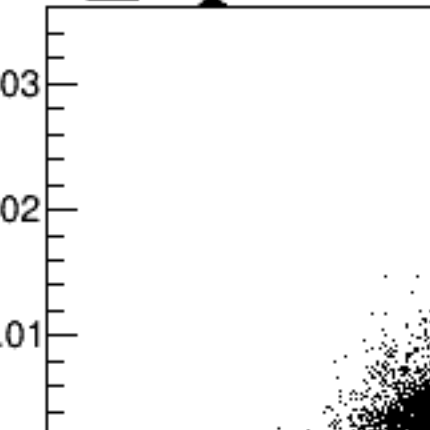
A scatter plot titled "diff\_bpm1Y" showing a dense cloud of points centered around (0,0). The x-axis is labeled "diff\_bpm1Y" and ranges from -0.03 to 0.03. The y-axis ranges from -0.14 to 0.08.

A scatter plot titled "diff\_bpm1p03aX". The x-axis is labeled "diff\_bpm1p03aX" and ranges from -0.02 to 0.015. The y-axis ranges from -0.03 to 0.03. The plot shows a dense, vertically elongated cloud of points centered around (0,0), with a few outliers at the extremes of the x-axis.

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 -0.12 to 0.08.

A scatter plot titled "diff\_bpm1p03aX". The x-axis is labeled "diff\_bpm1p03aX" and ranges from -0.02 to 0.015. The y-axis ranges from -0.03 to 0.03. The plot shows a dense, vertically elongated cloud of points centered around x=0 and y=0. There are a few outliers at the extreme left of the plot.

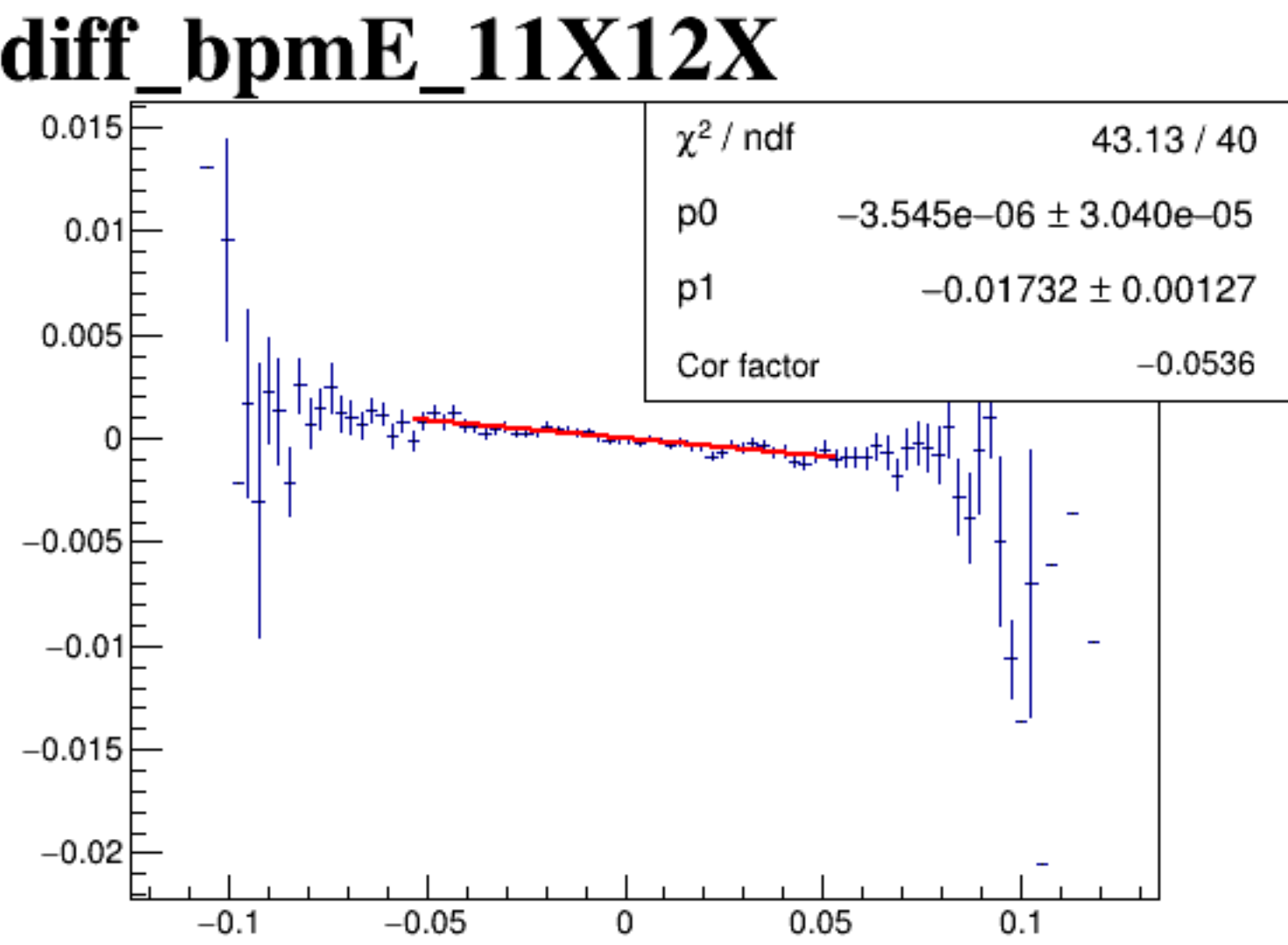
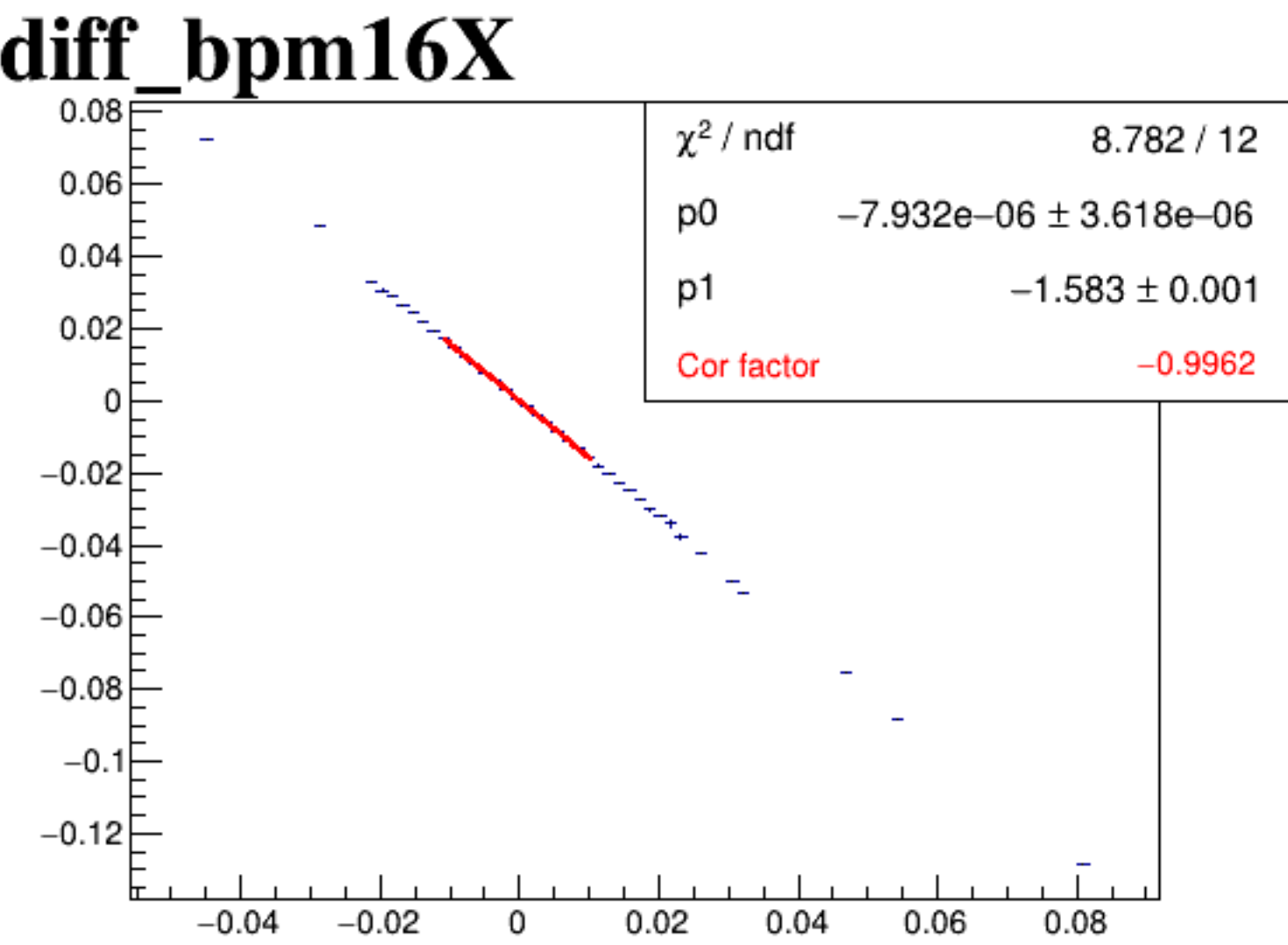
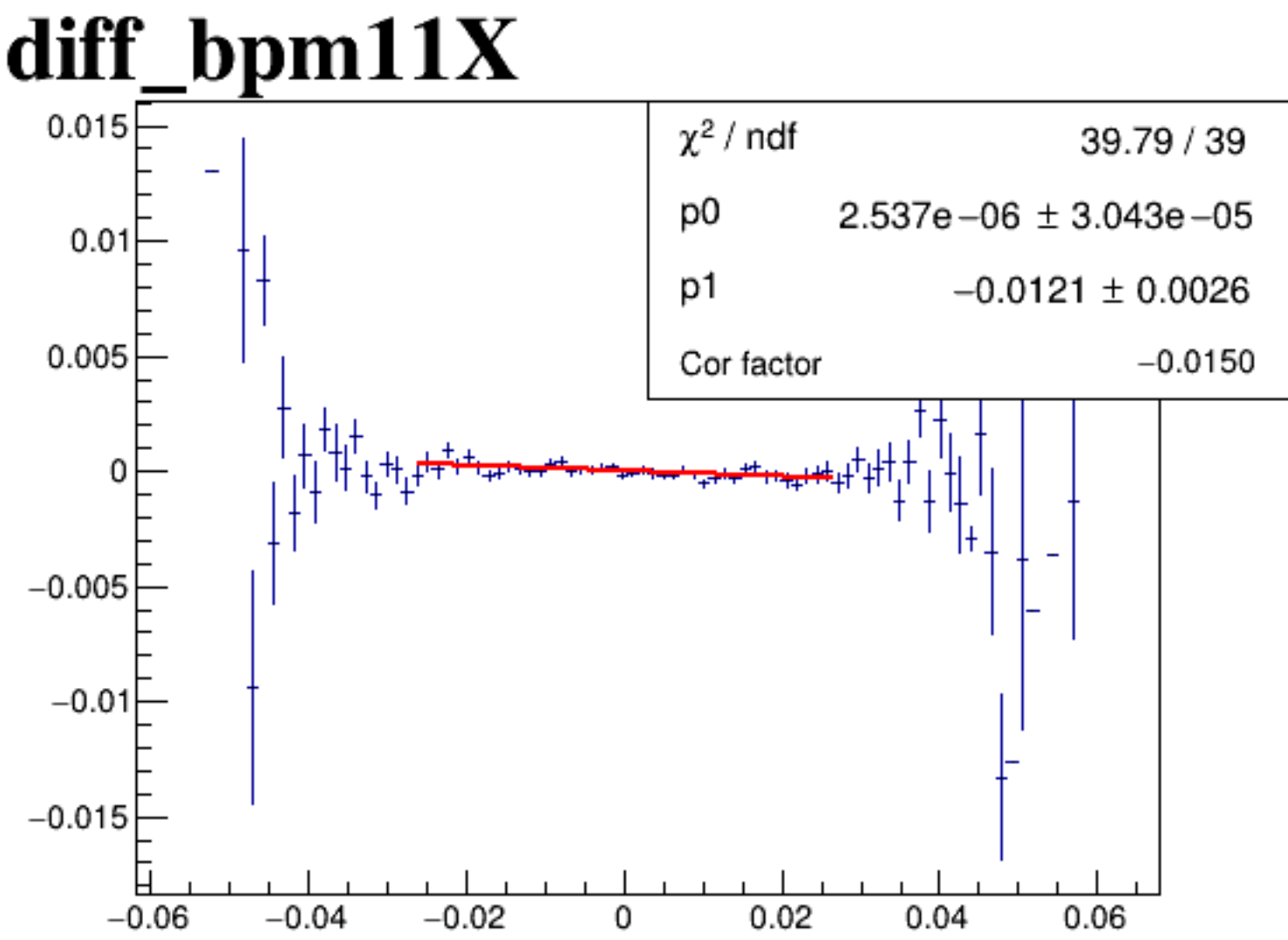
A scatter plot titled "diff\_bpm1X" showing a dense, elliptical distribution of points centered around (0, 0). The x-axis ranges from -0.12 to 0.08, and the y-axis ranges from -0.03 to 0.03. The plot shows a high concentration of points forming a vertical ellipse, with a few outliers visible on the left side.



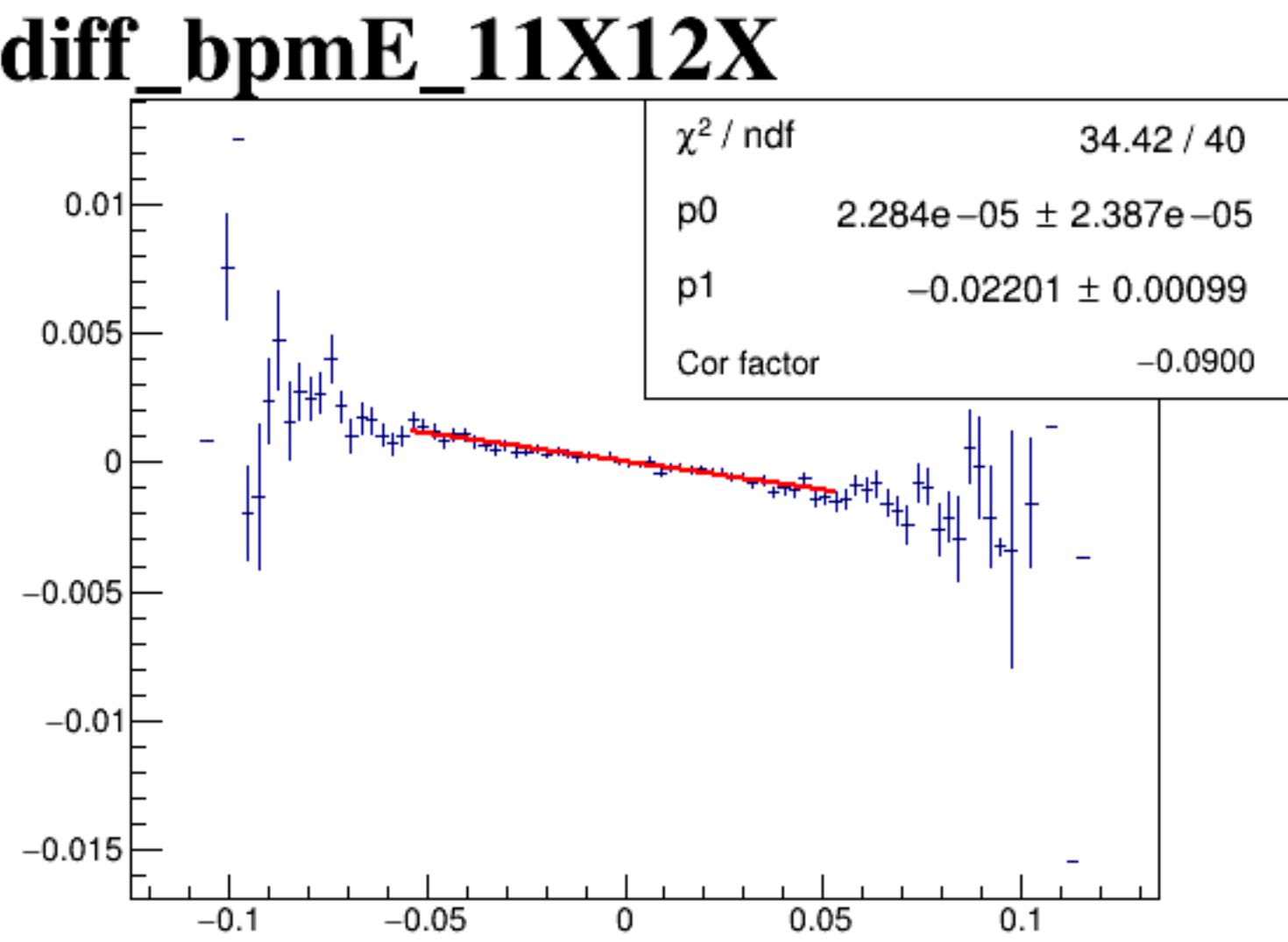
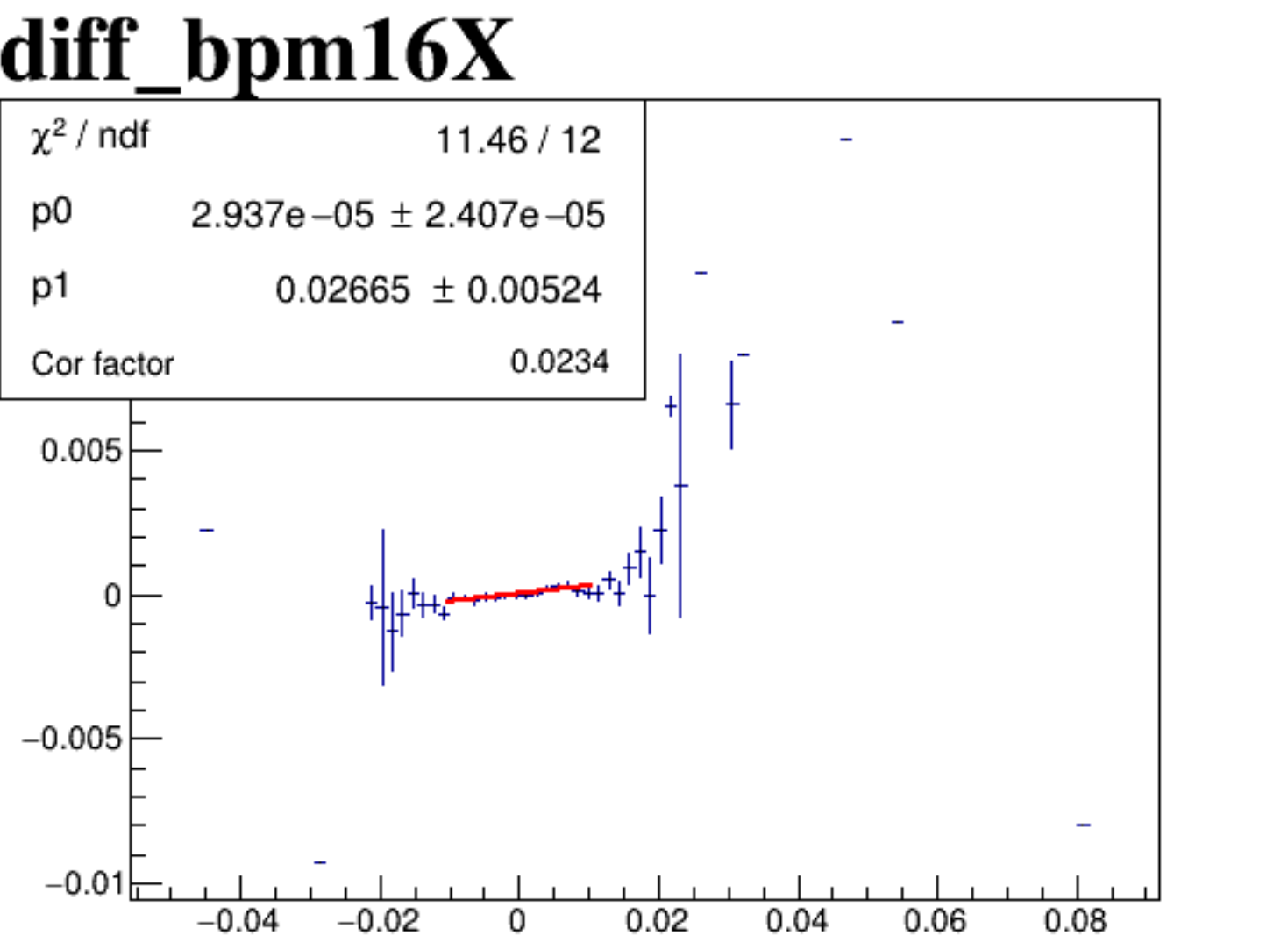
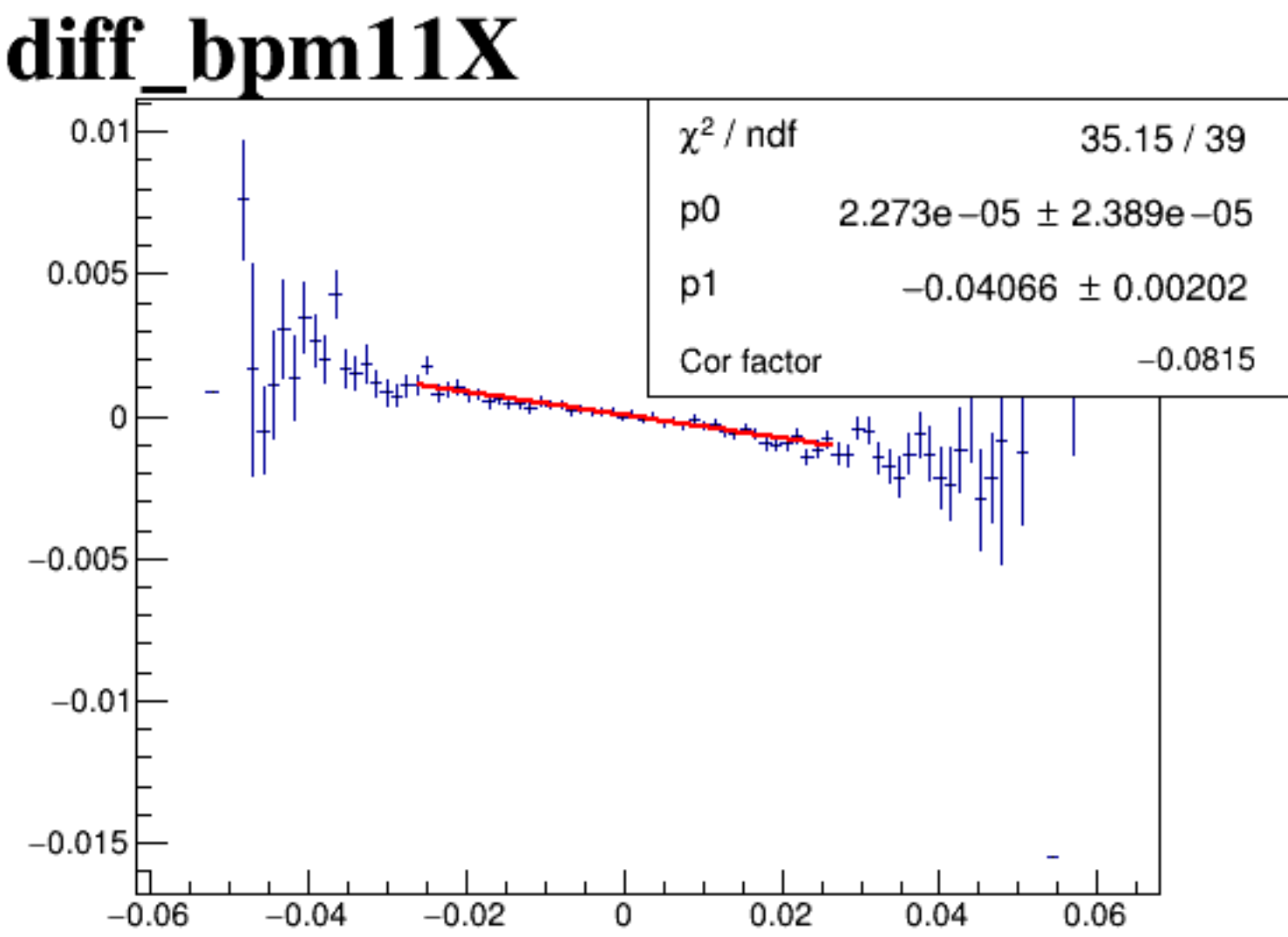
A scatter plot showing the relationship between two variables, both labeled 'diff\_bpm1Y'. The x-axis and y-axis both range from -0.03 to 0.03 with major ticks every 0.01. The plot contains a dense cloud of black points forming an elongated ellipse centered at (0,0), indicating a strong positive correlation between the two variables.



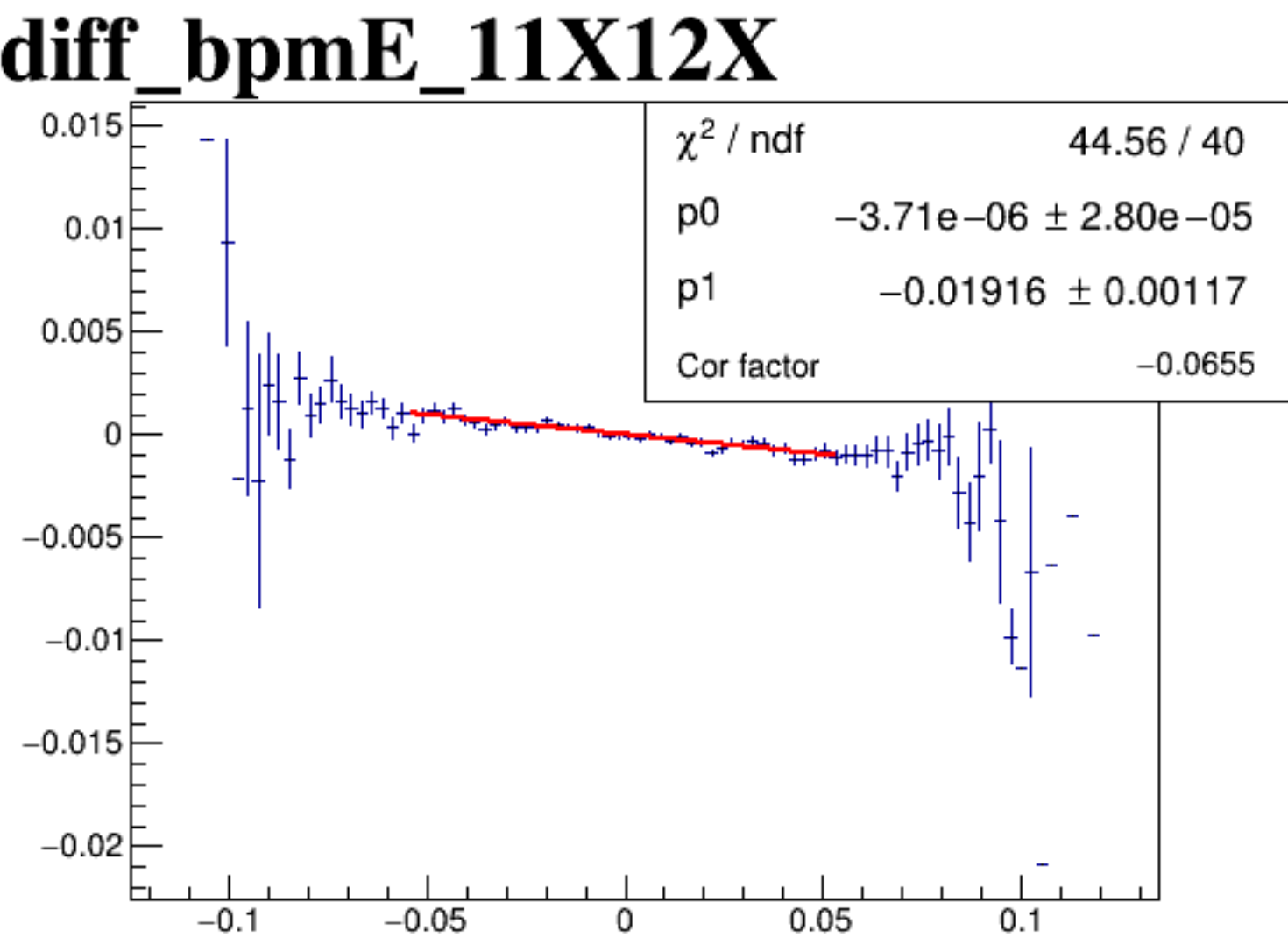
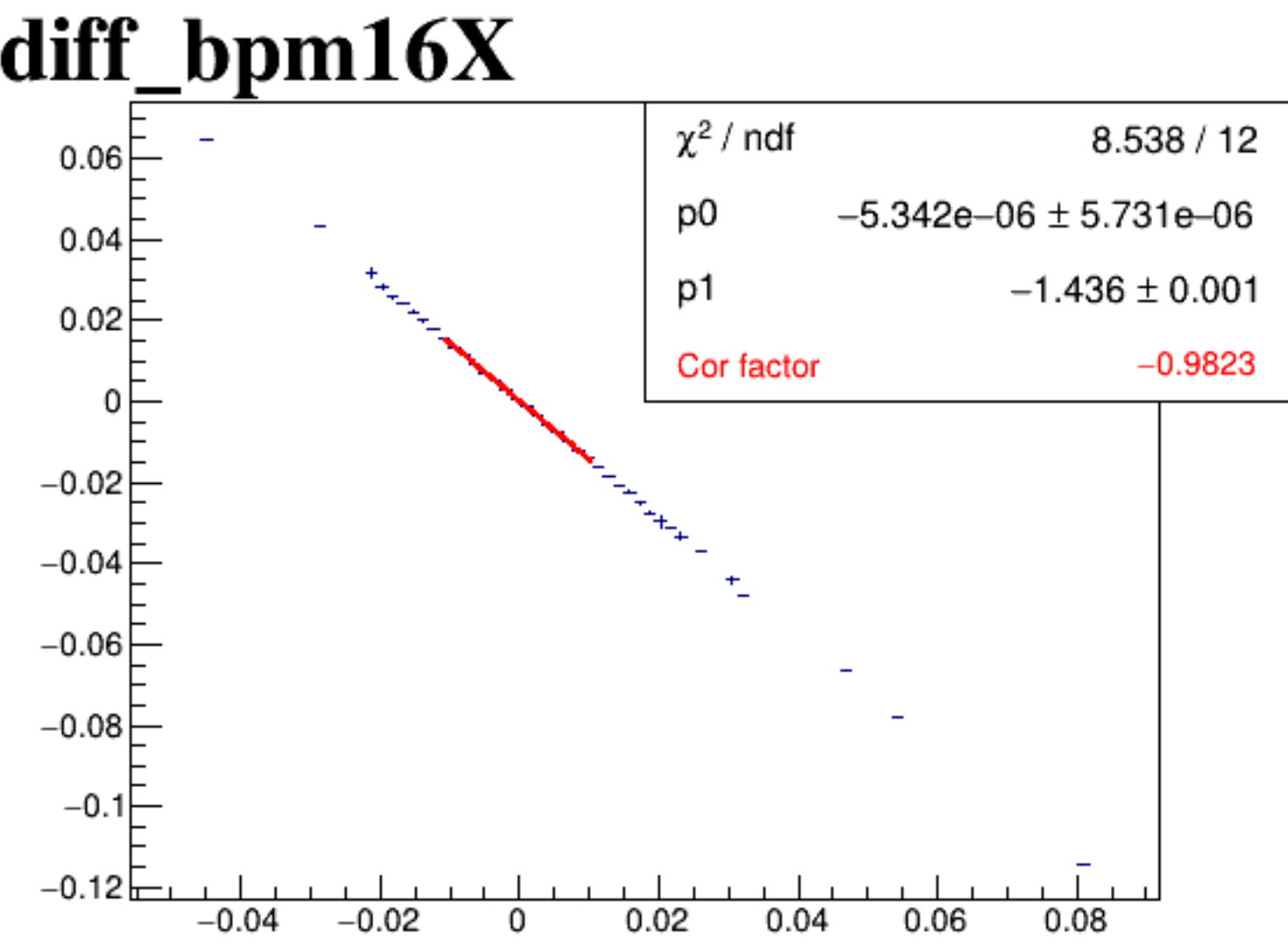
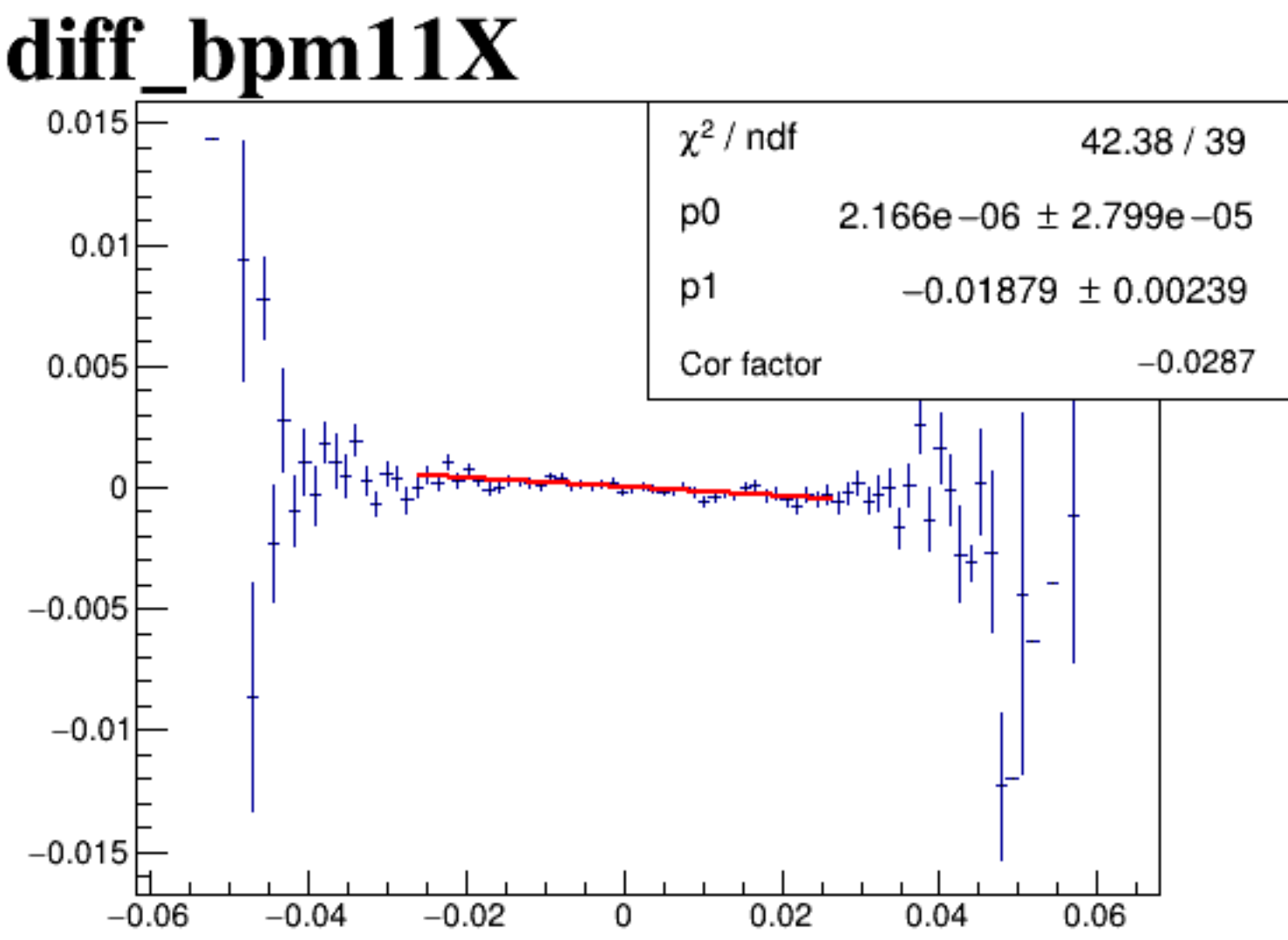
diff\_bpm4aX



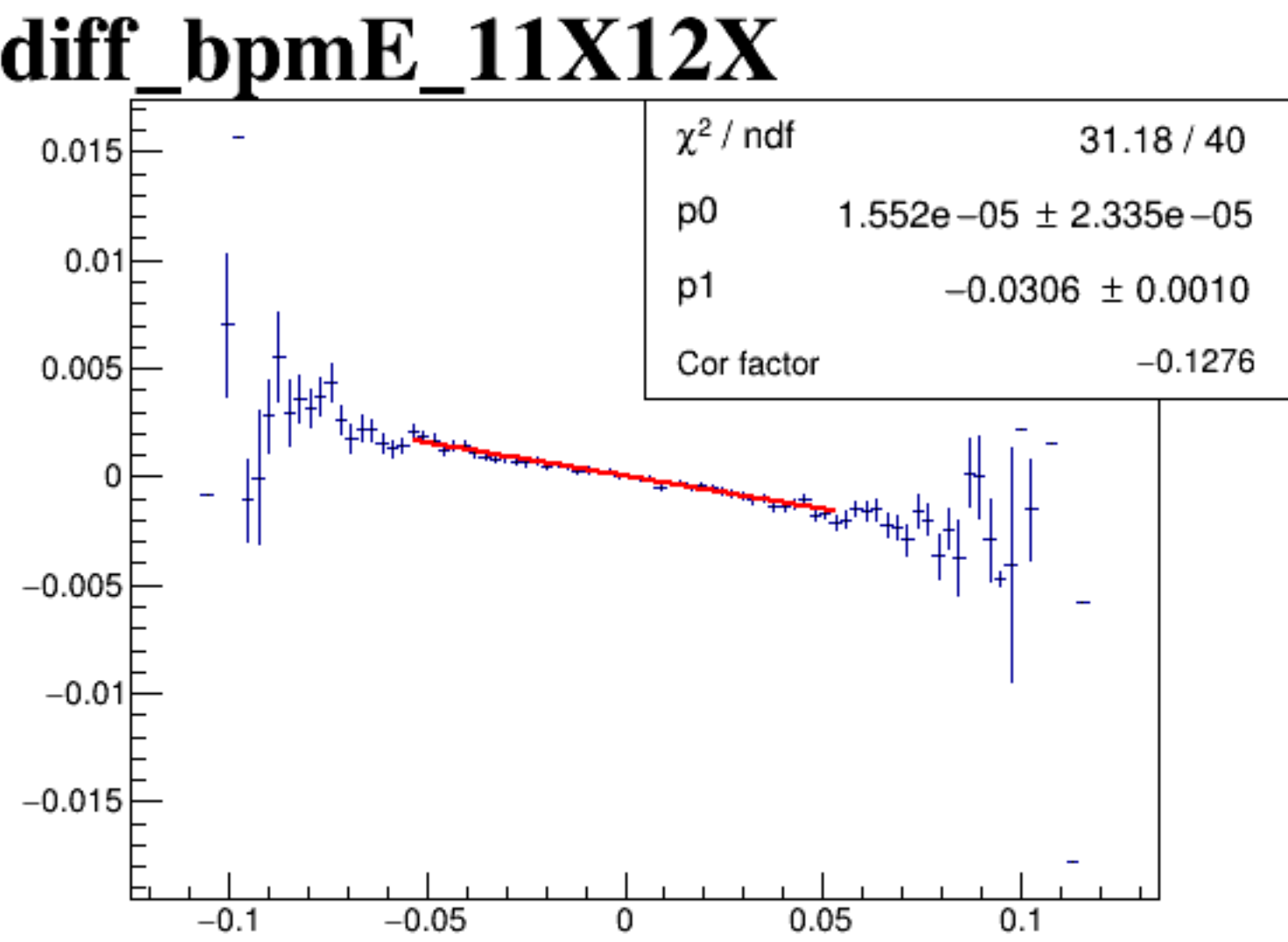
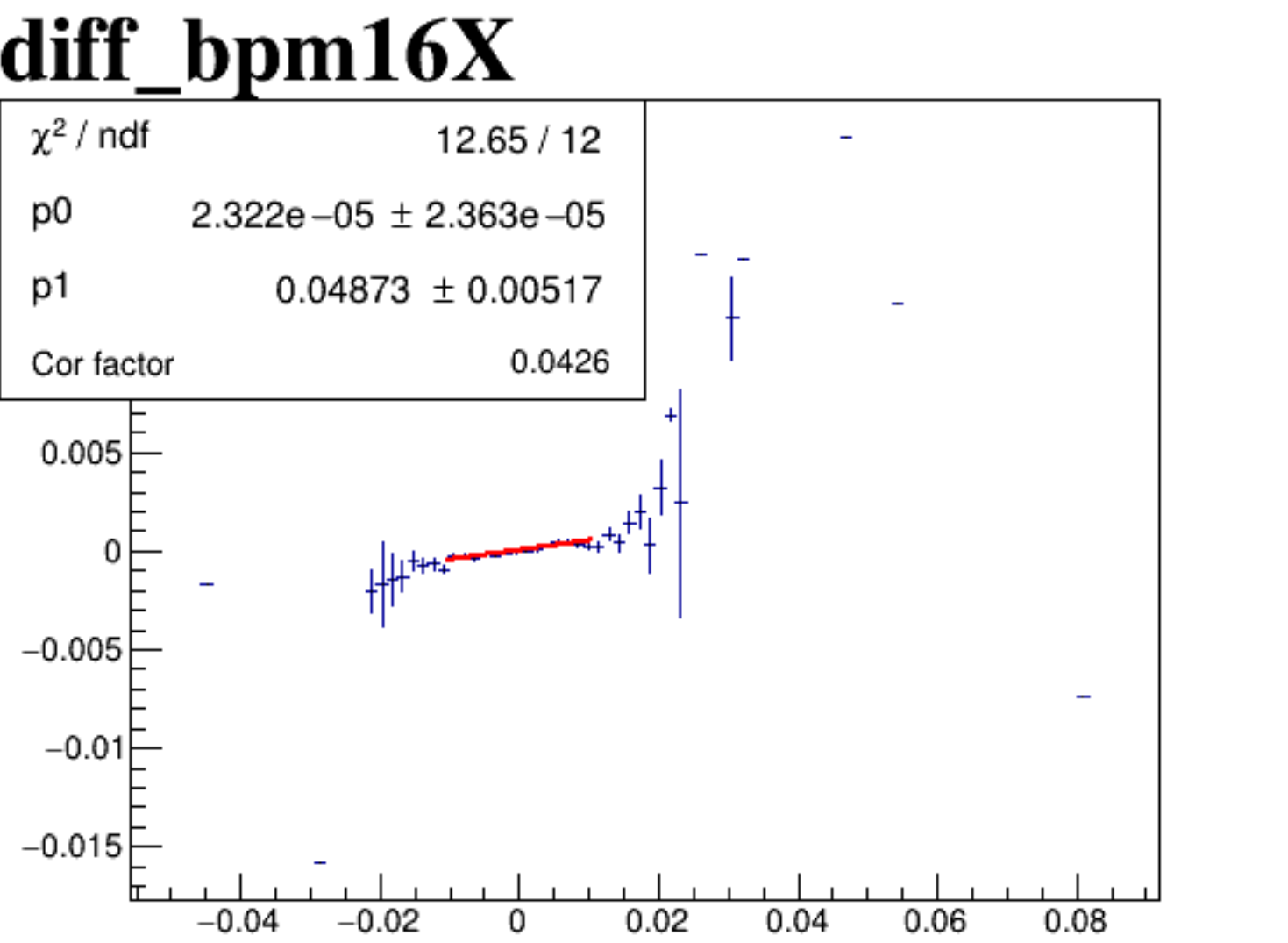
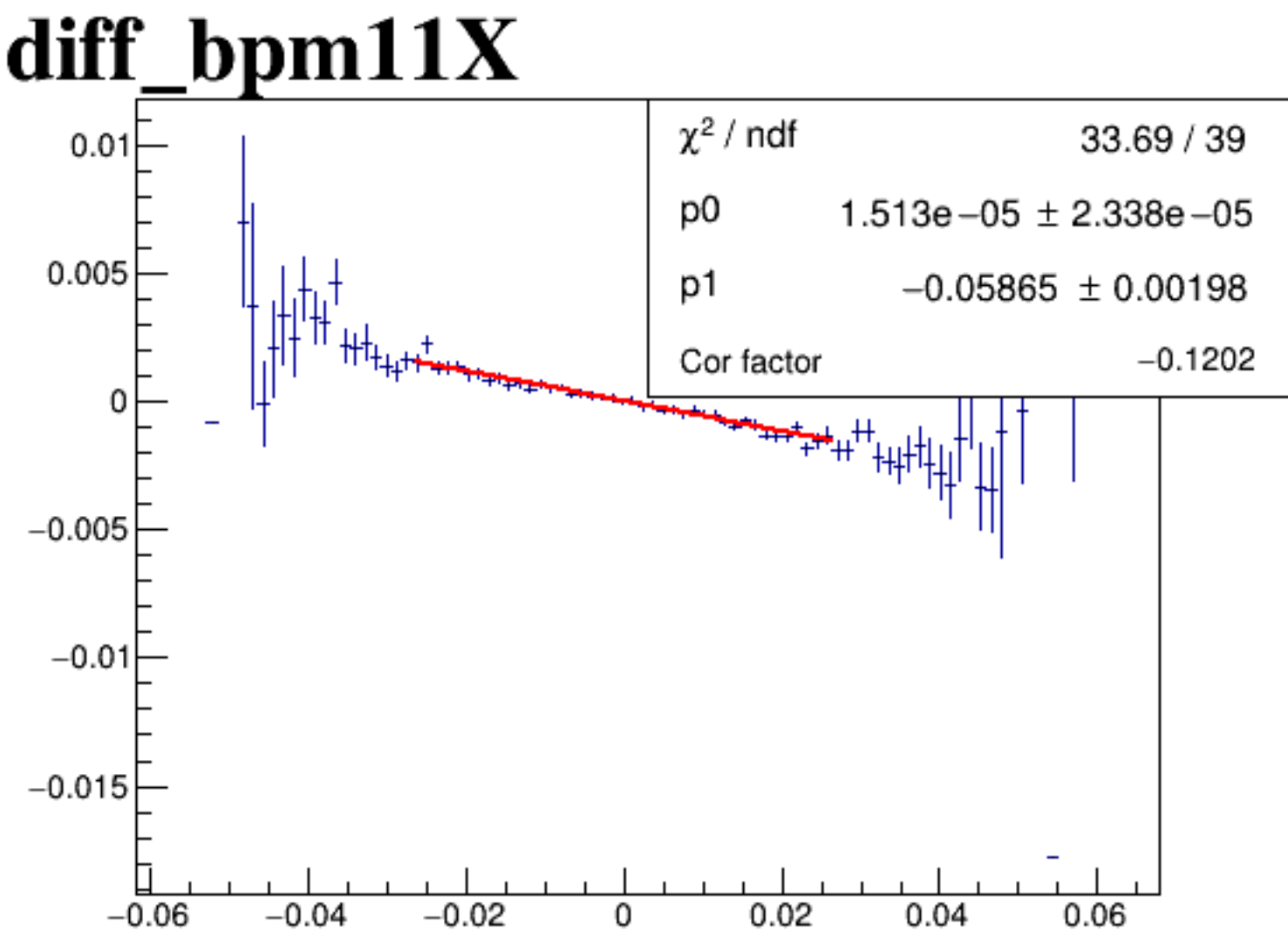
diff\_bpm4aY



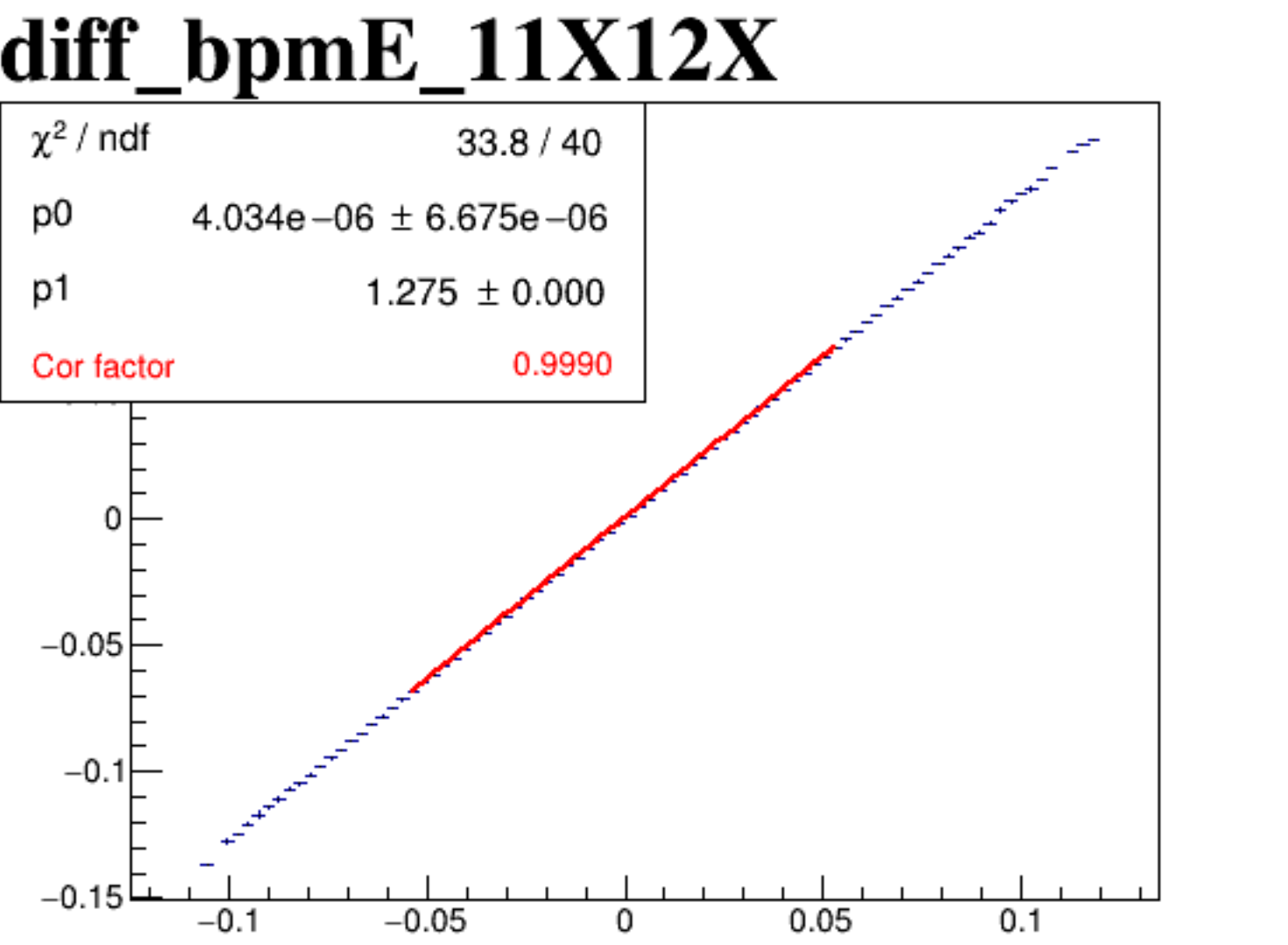
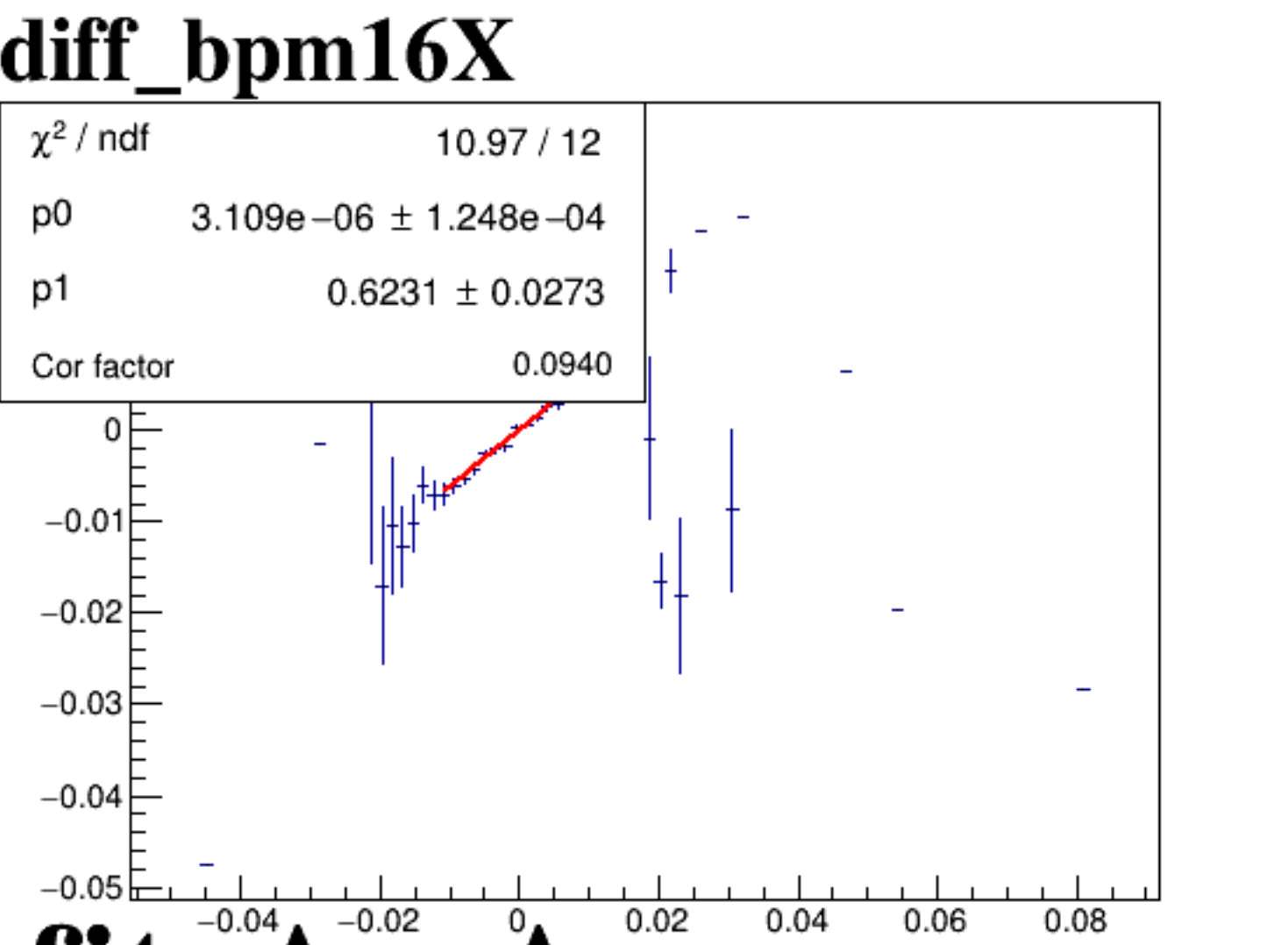
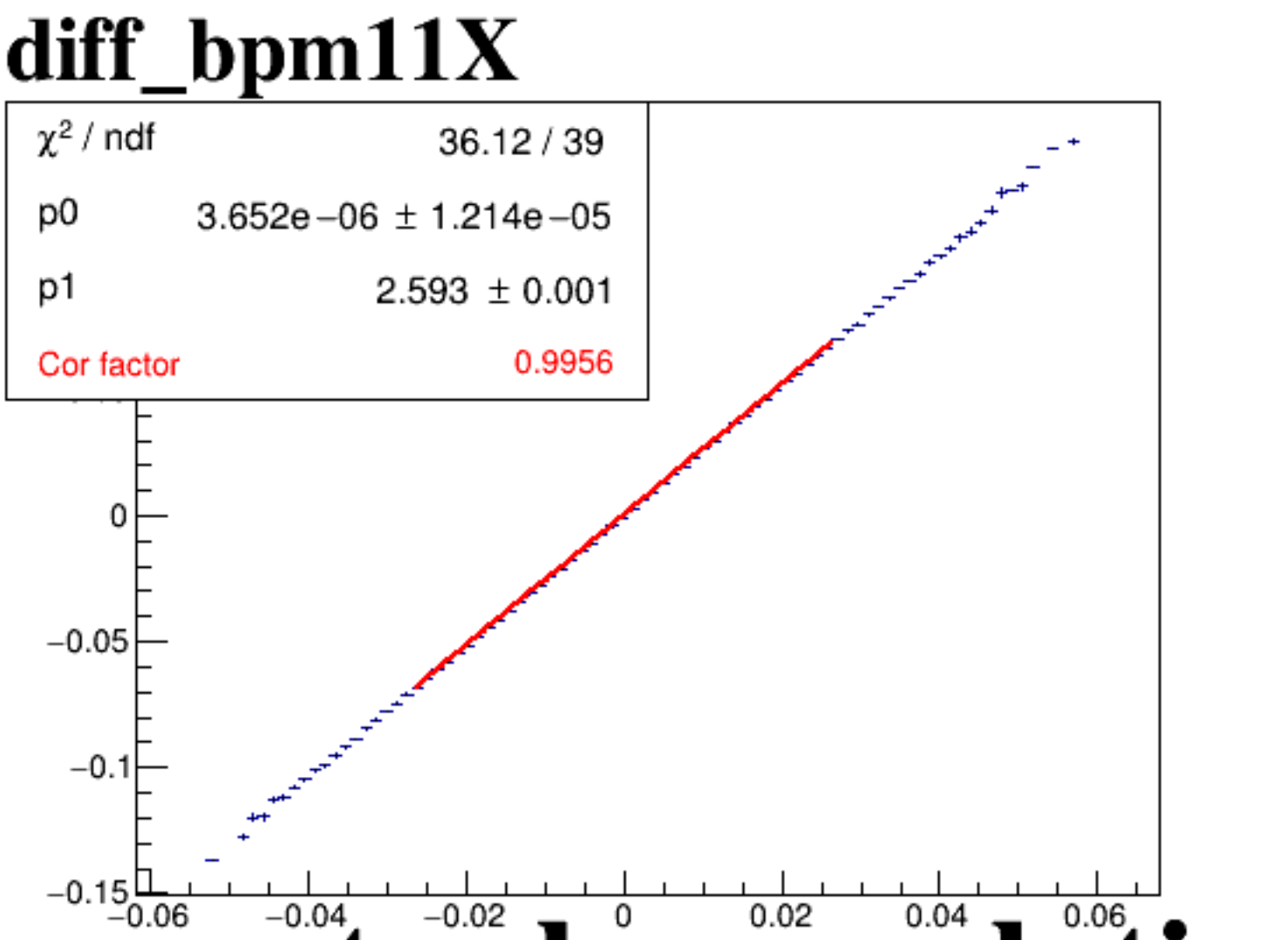
diff\_bpm4eX



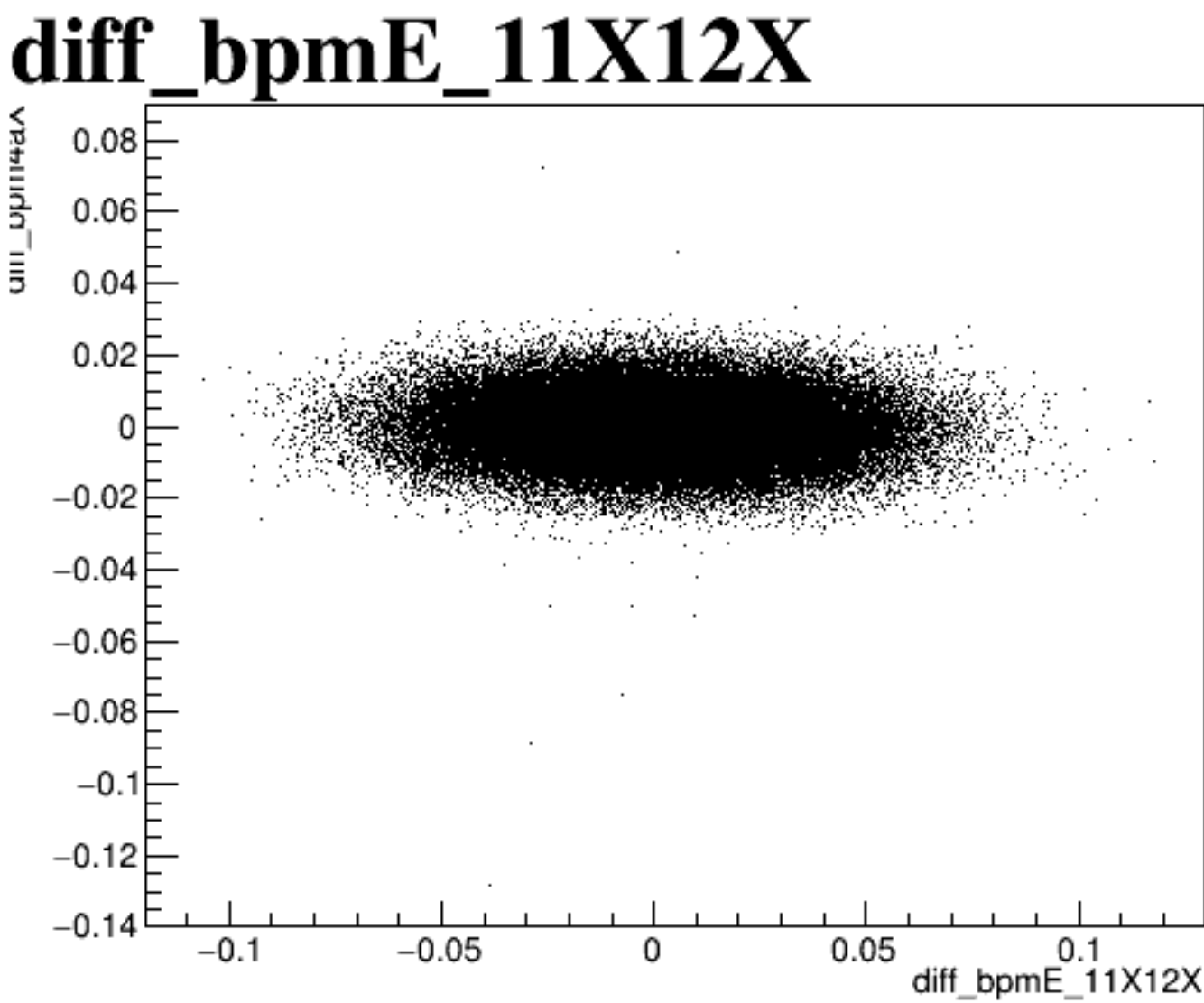
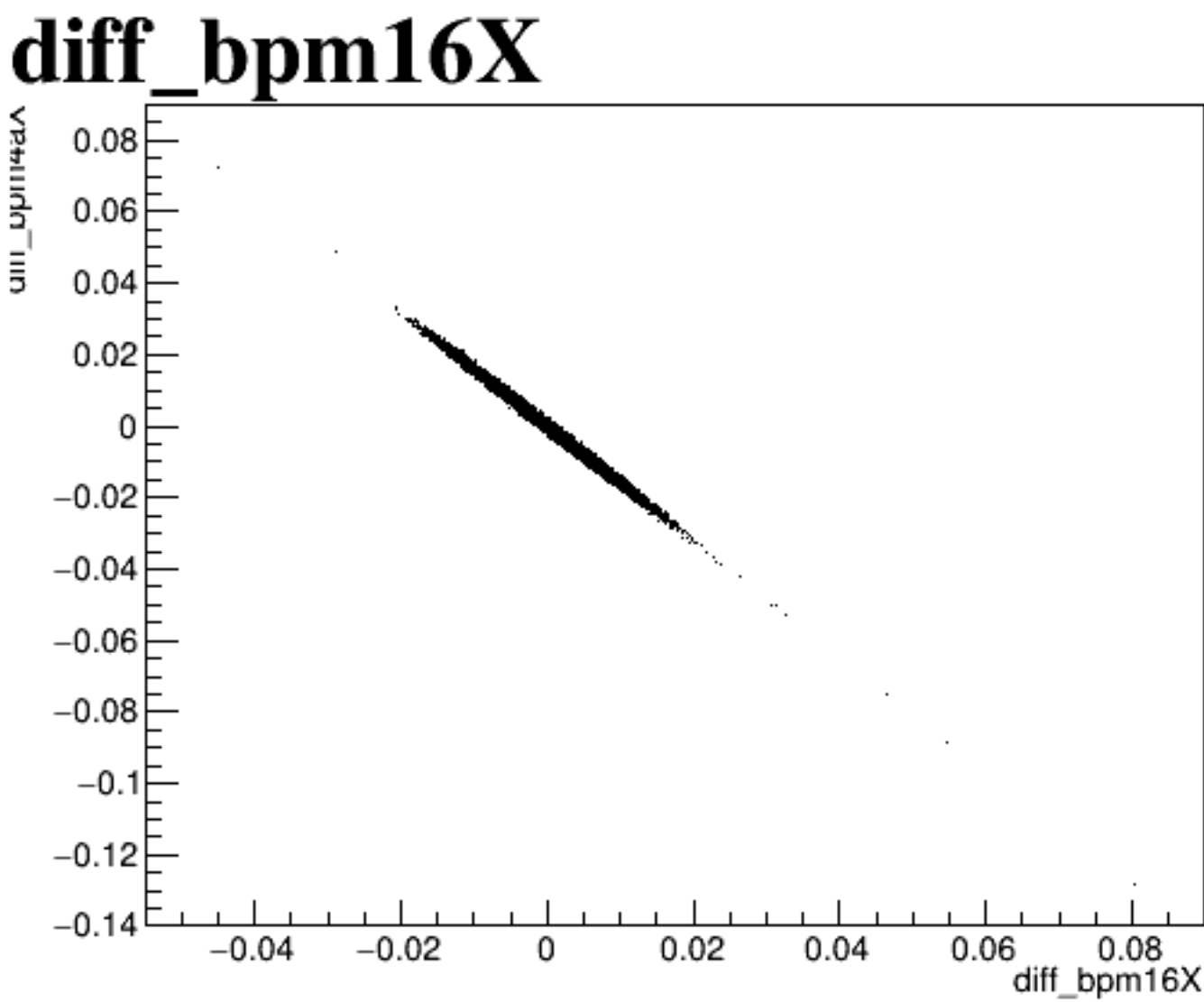
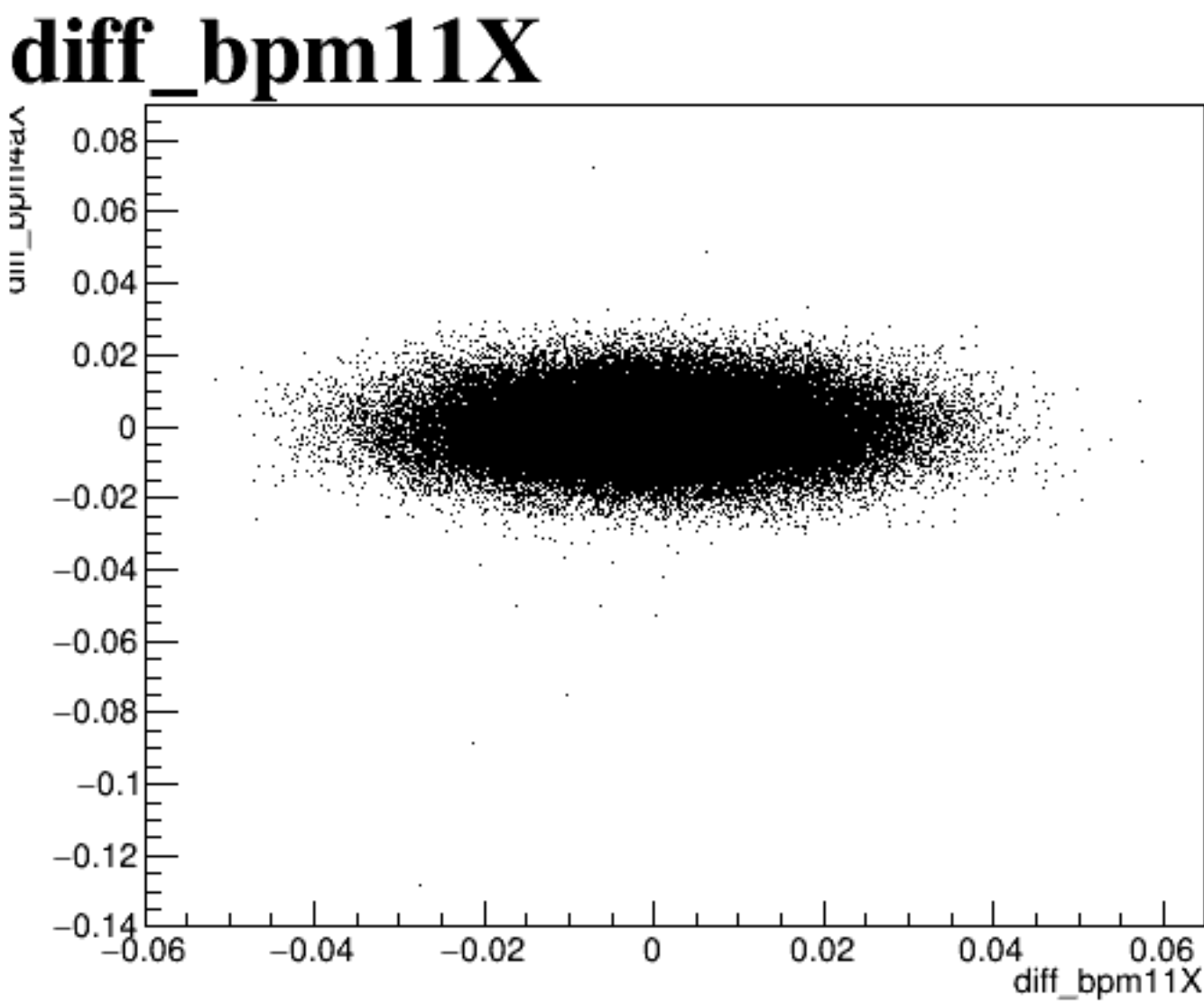
diff\_bpm4eY



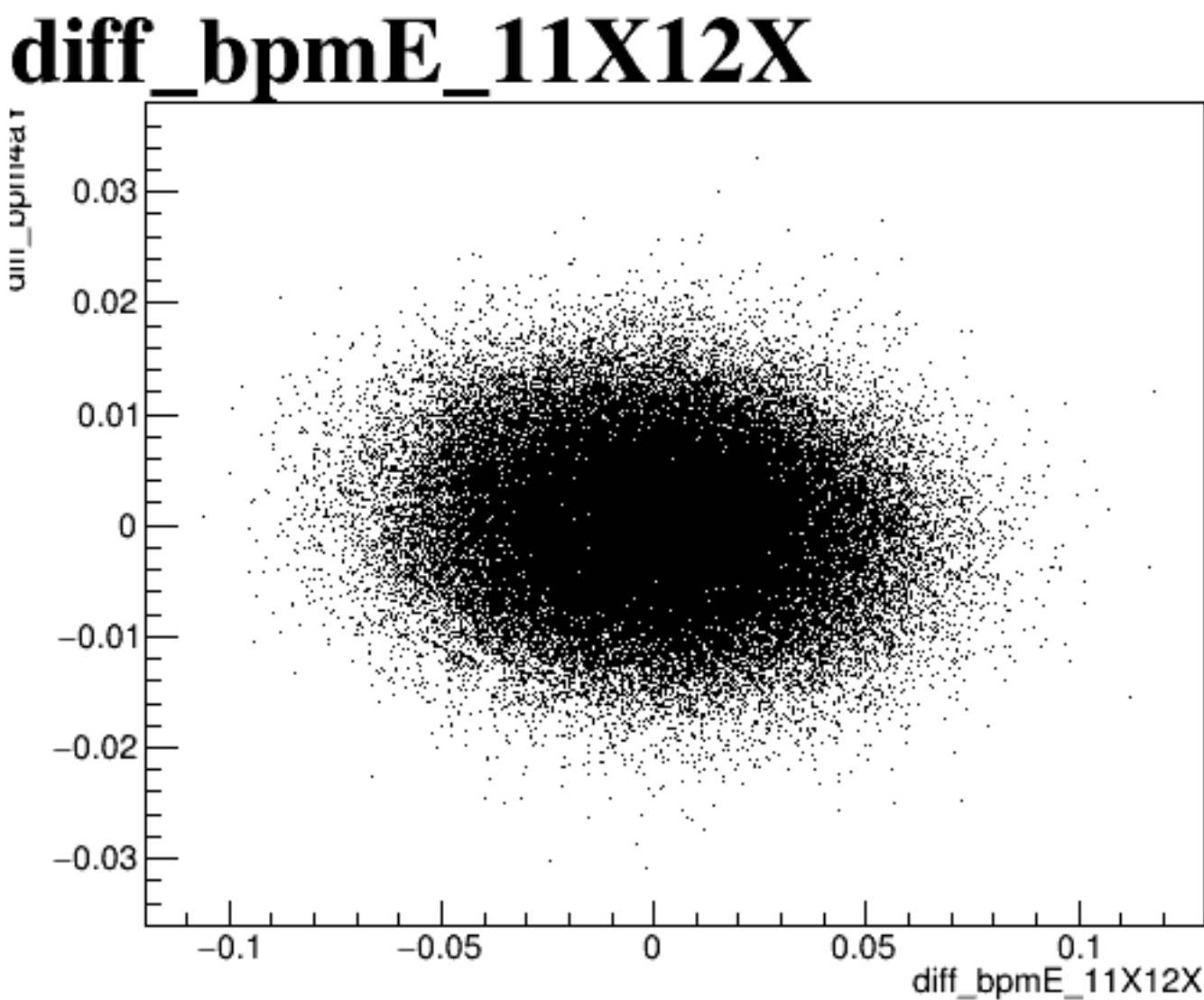
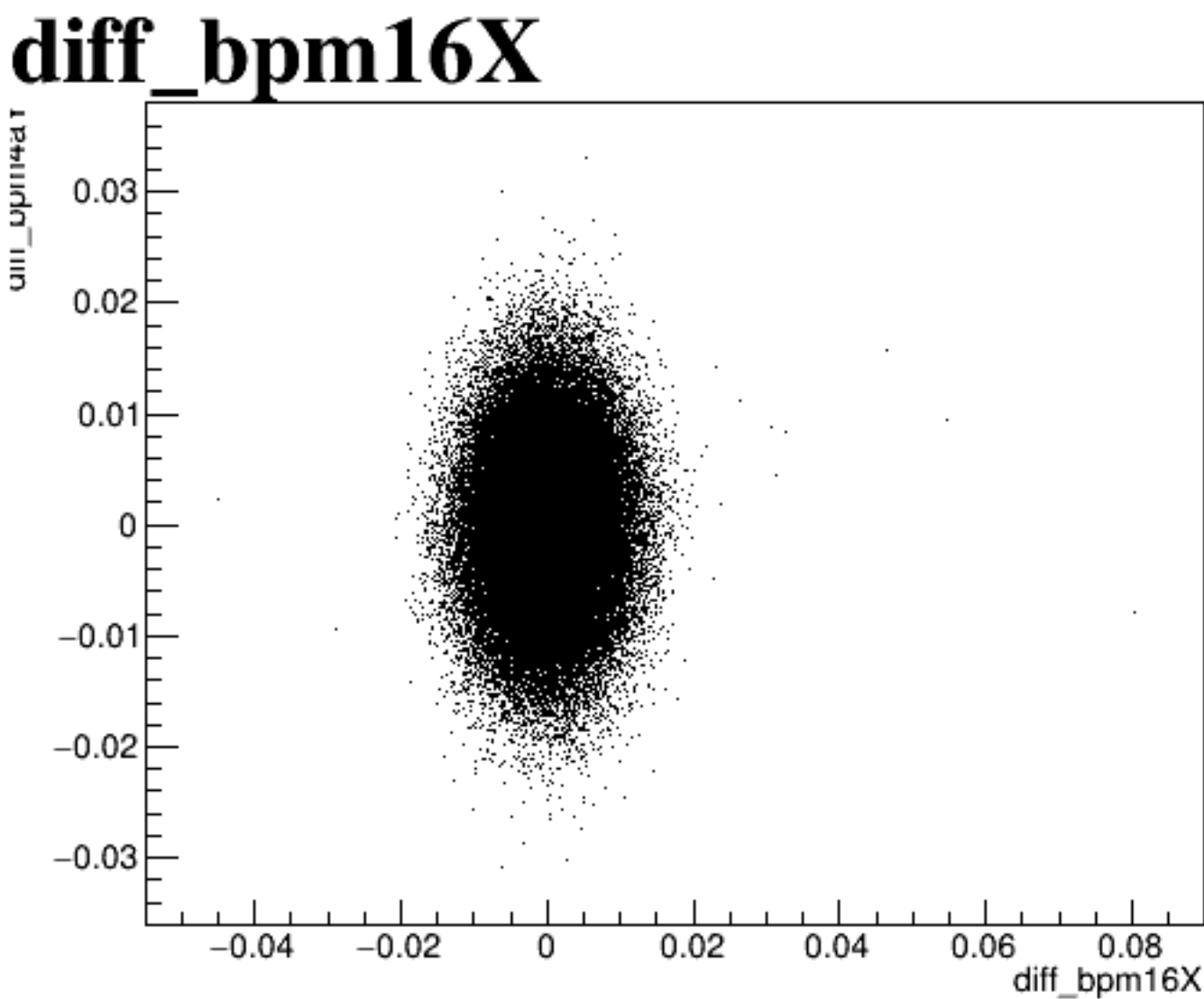
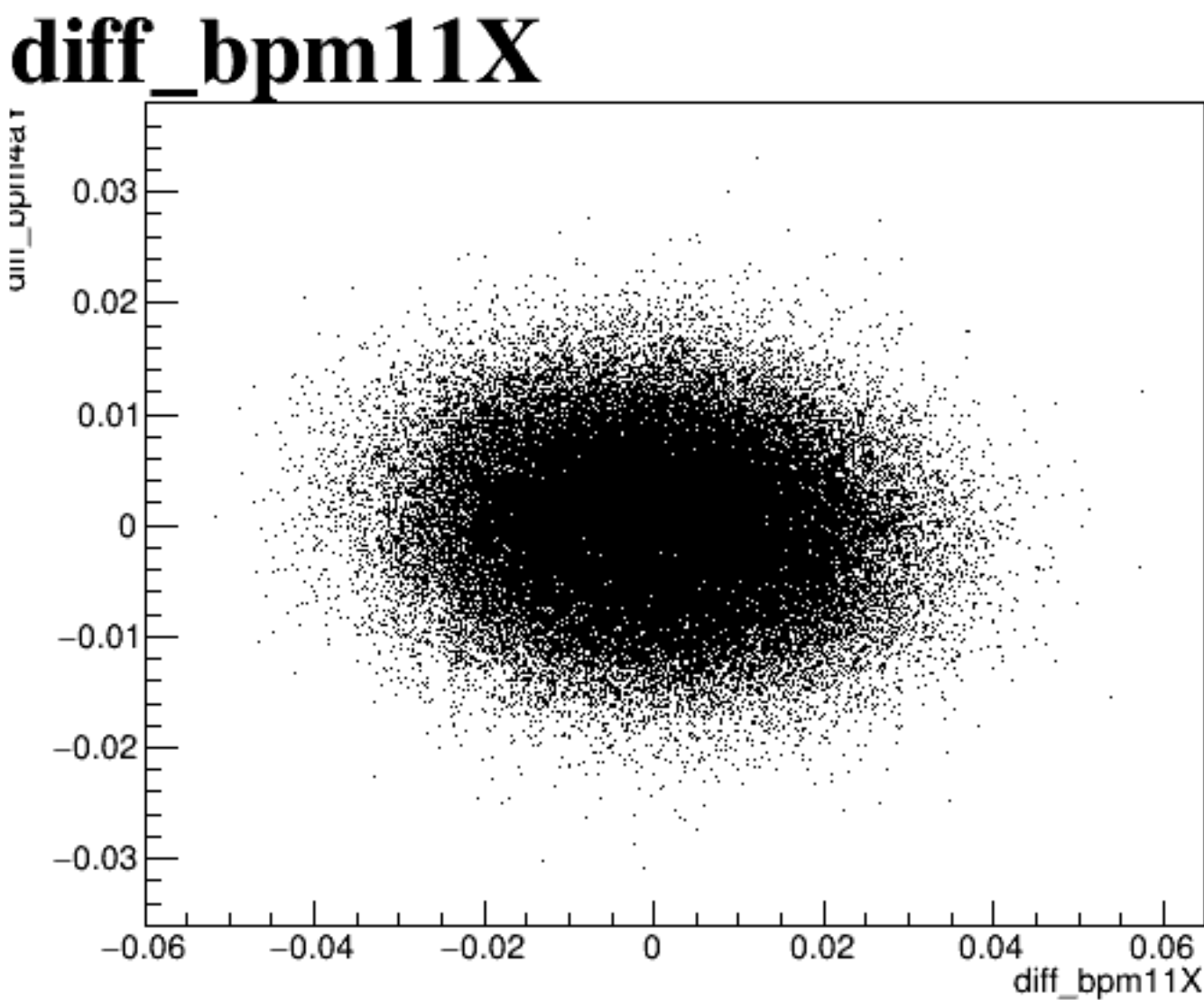
diff\_bpm12X



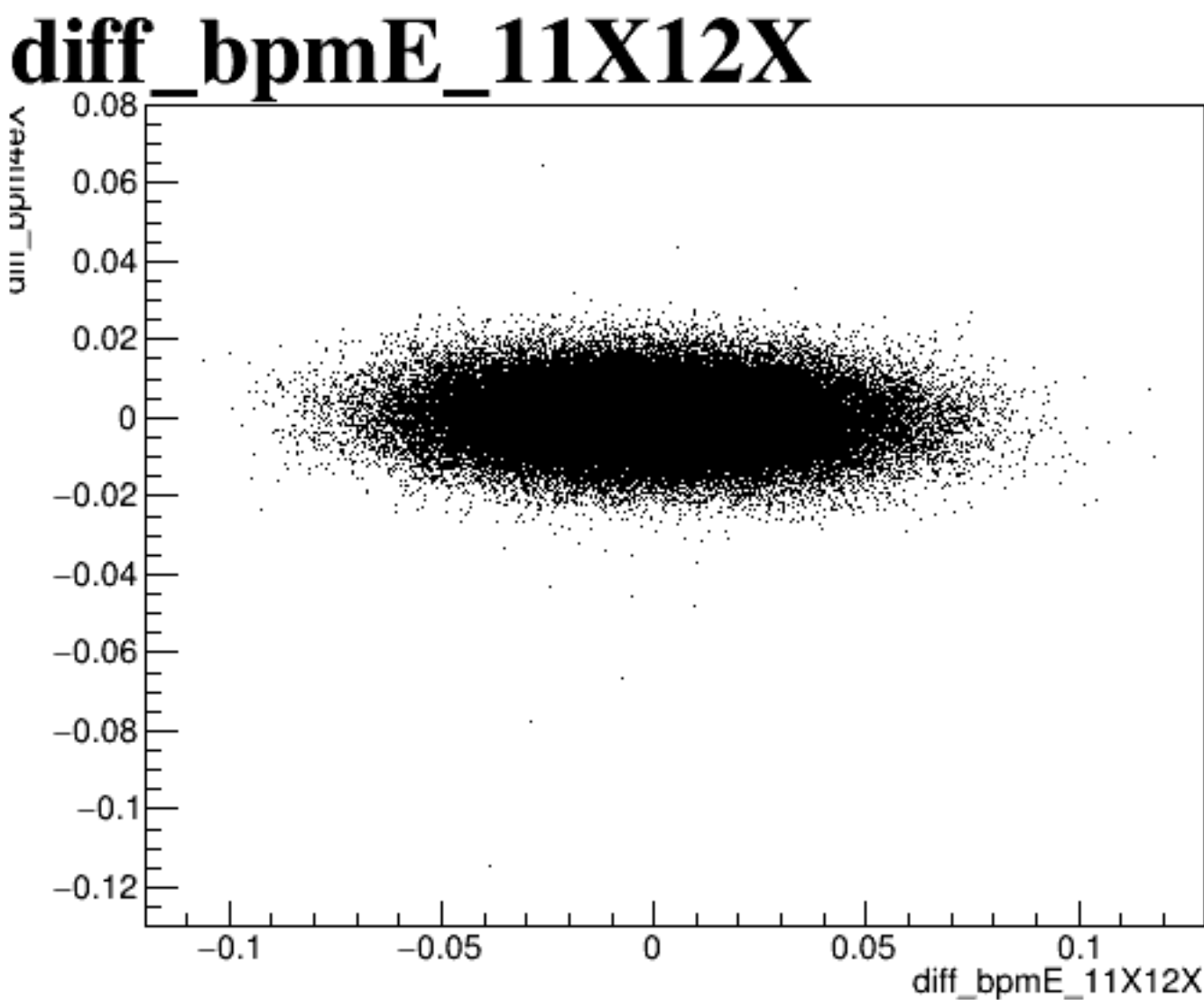
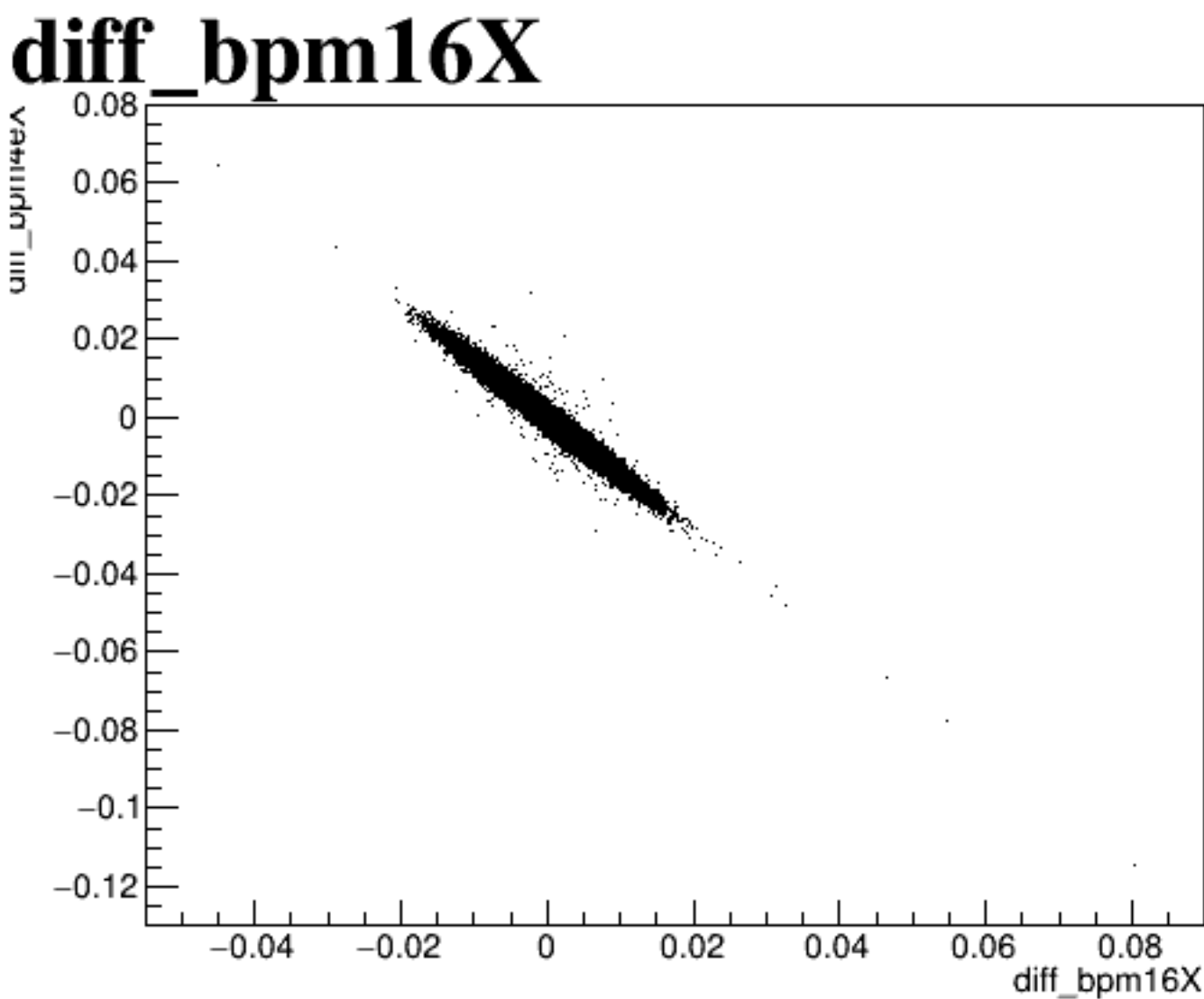
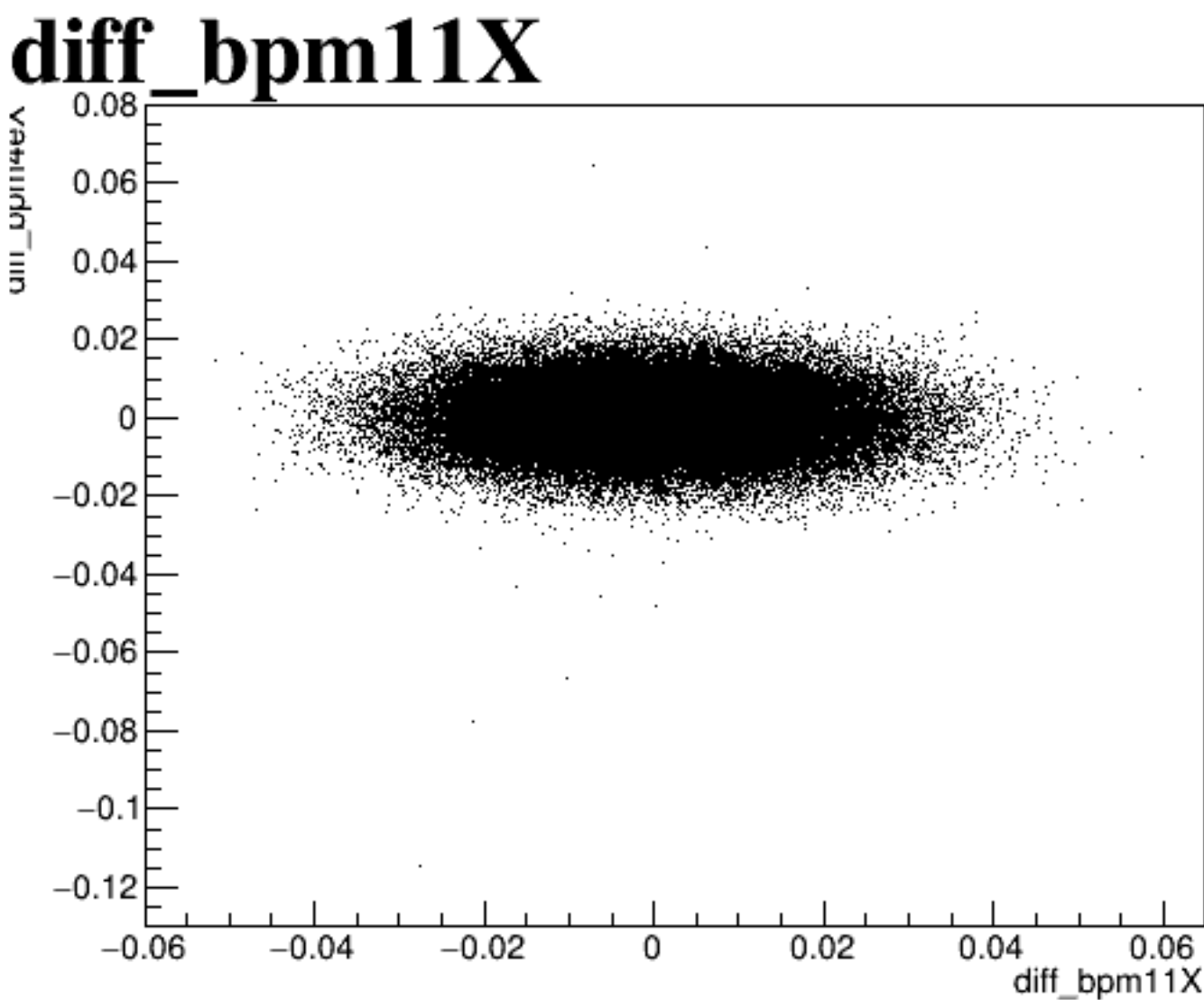
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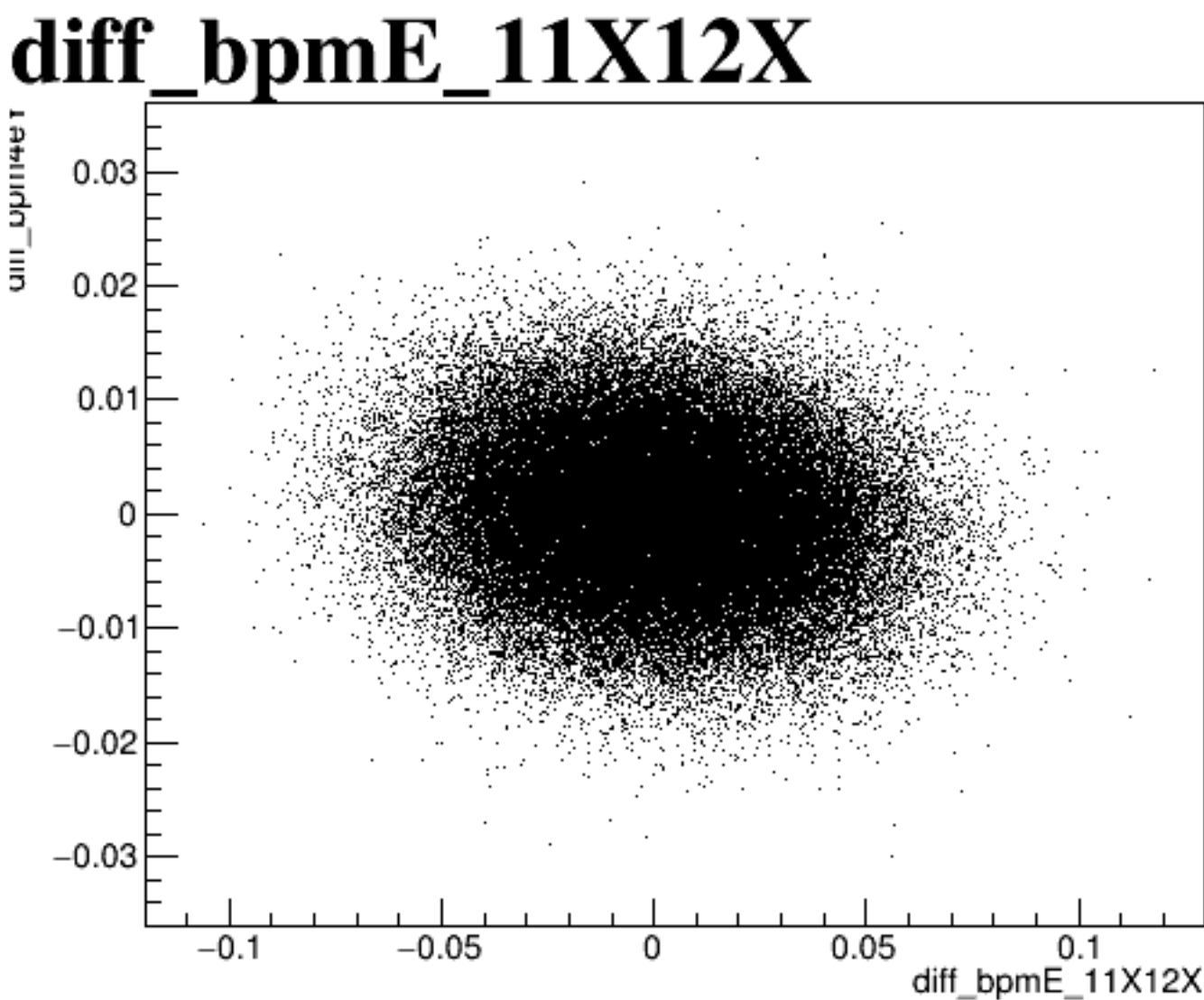
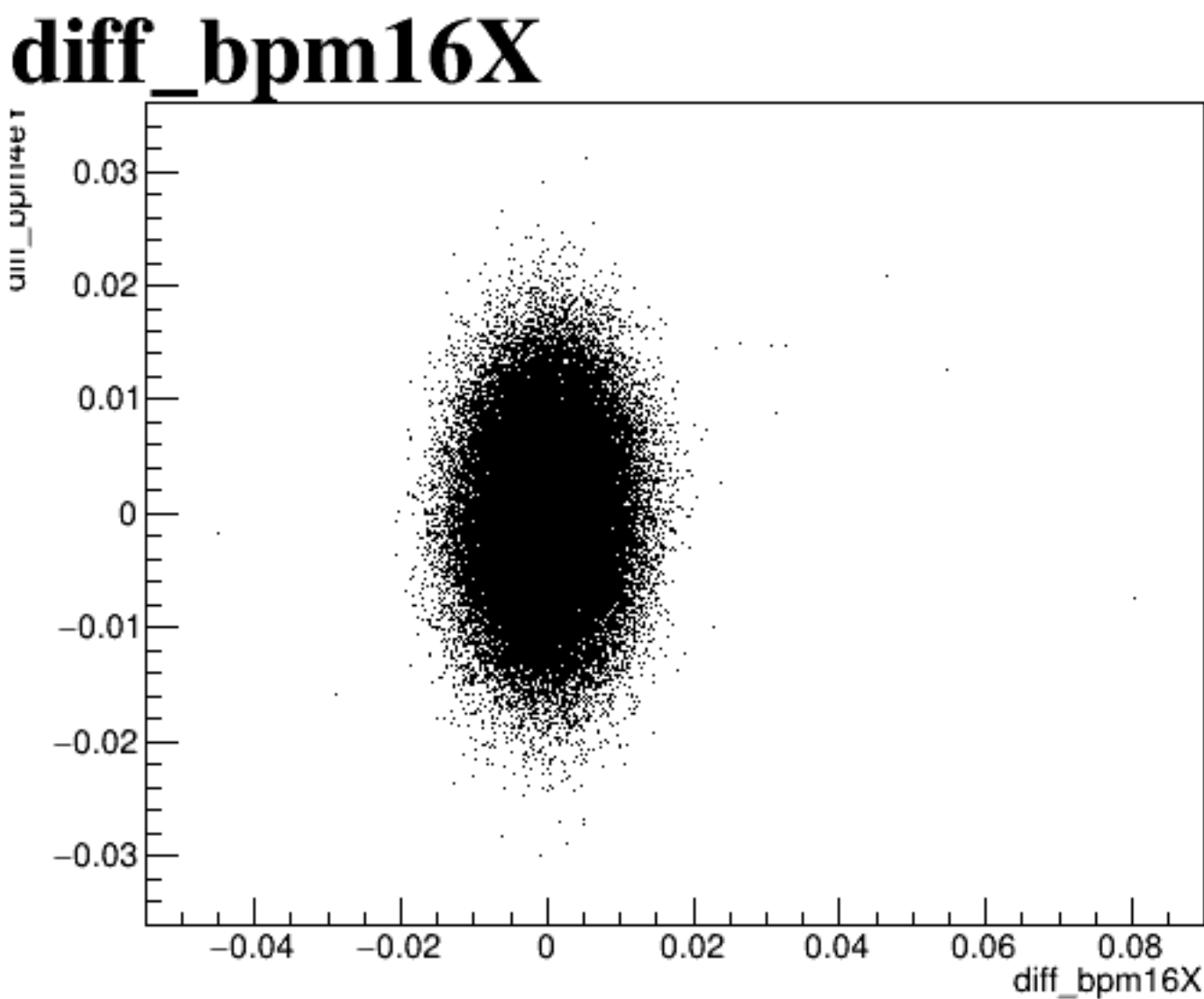
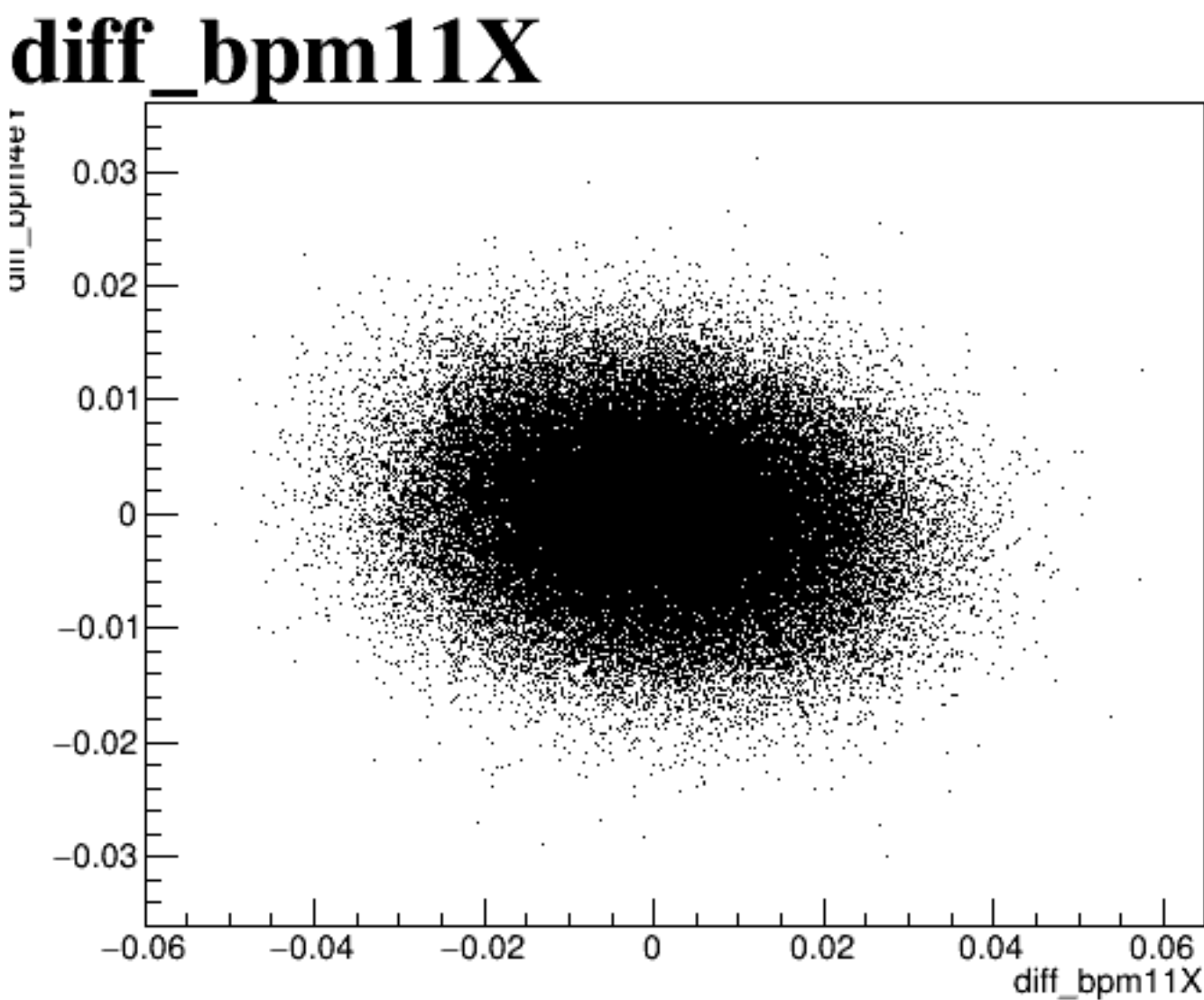
diff\_bpm4aY



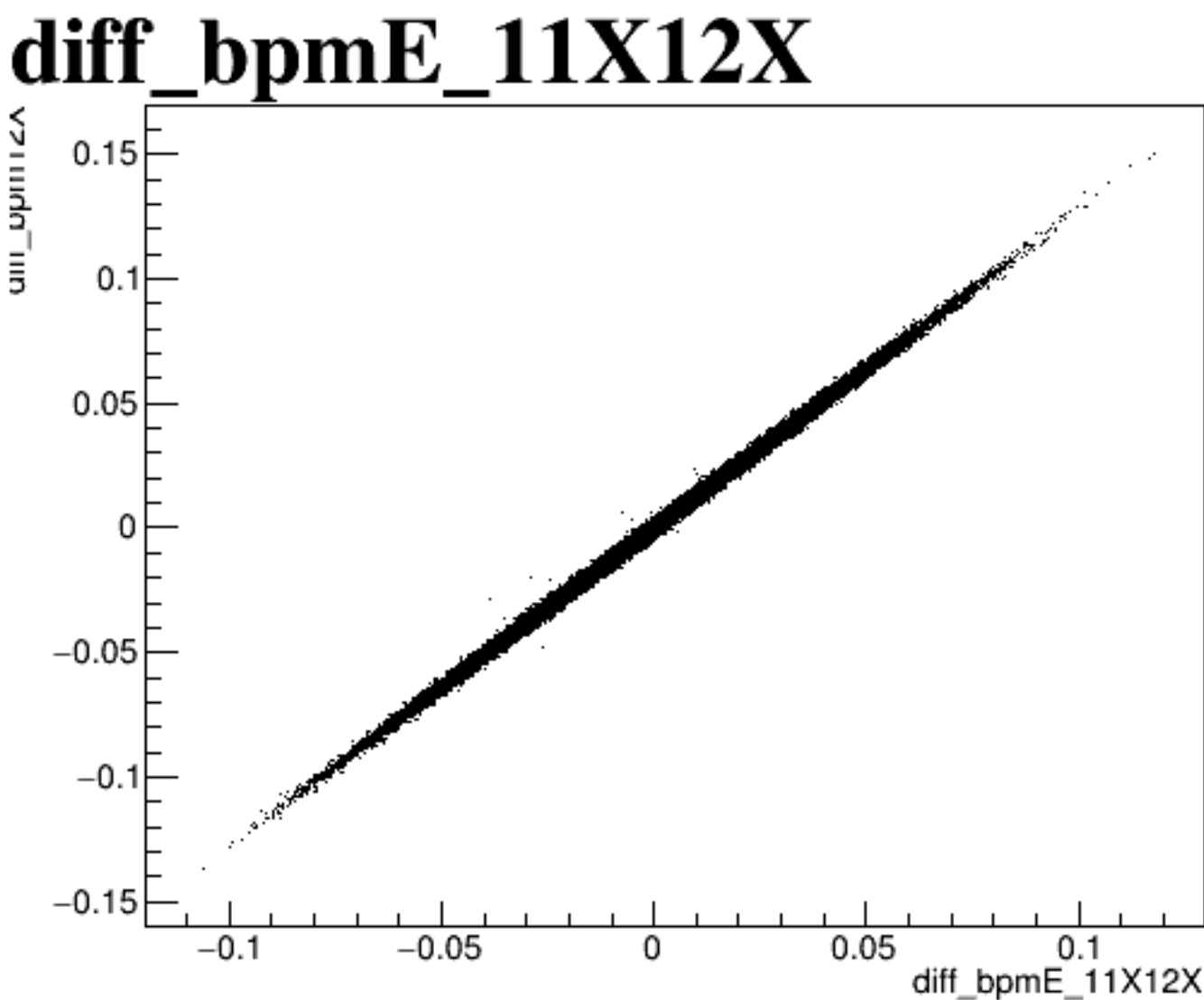
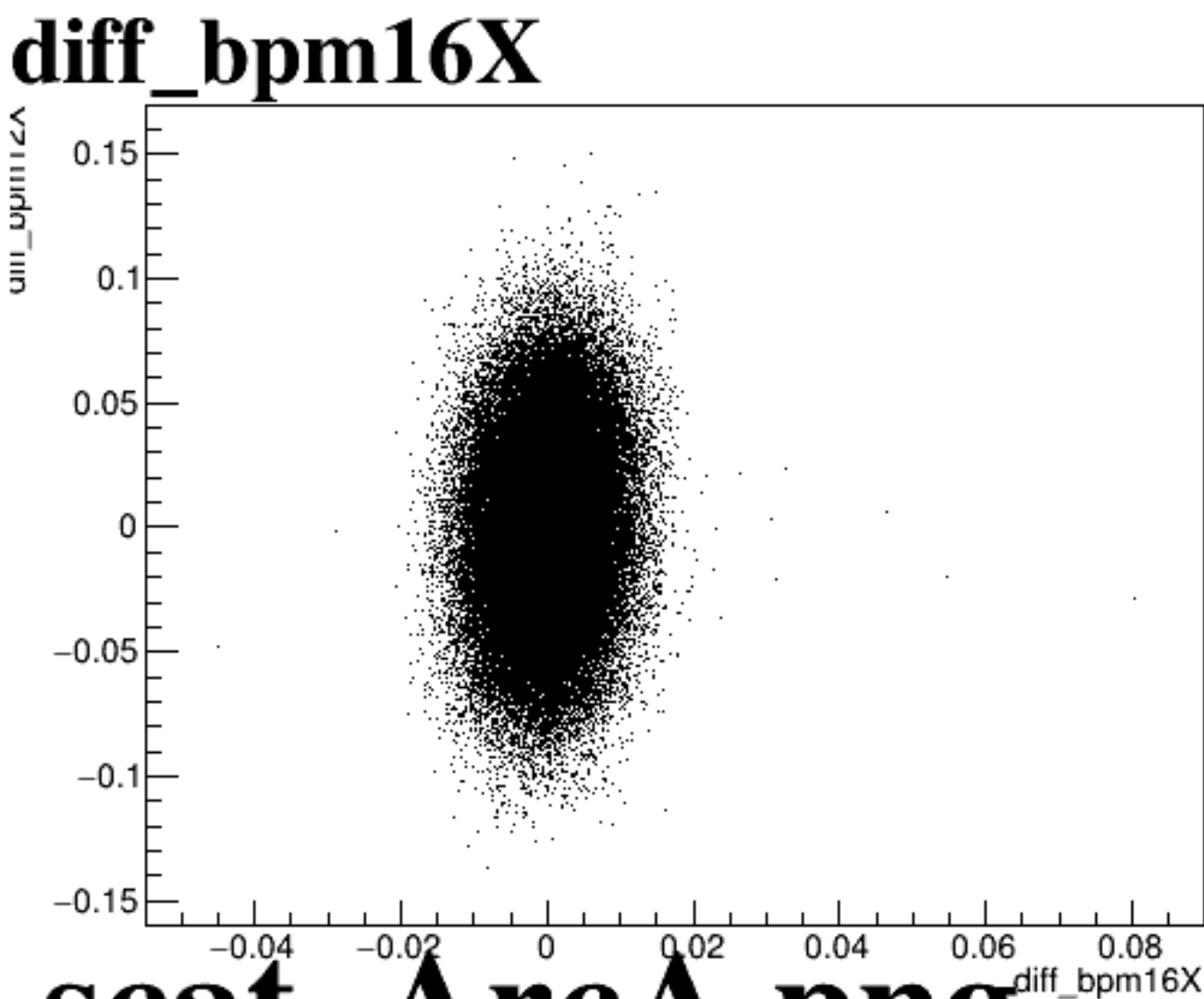
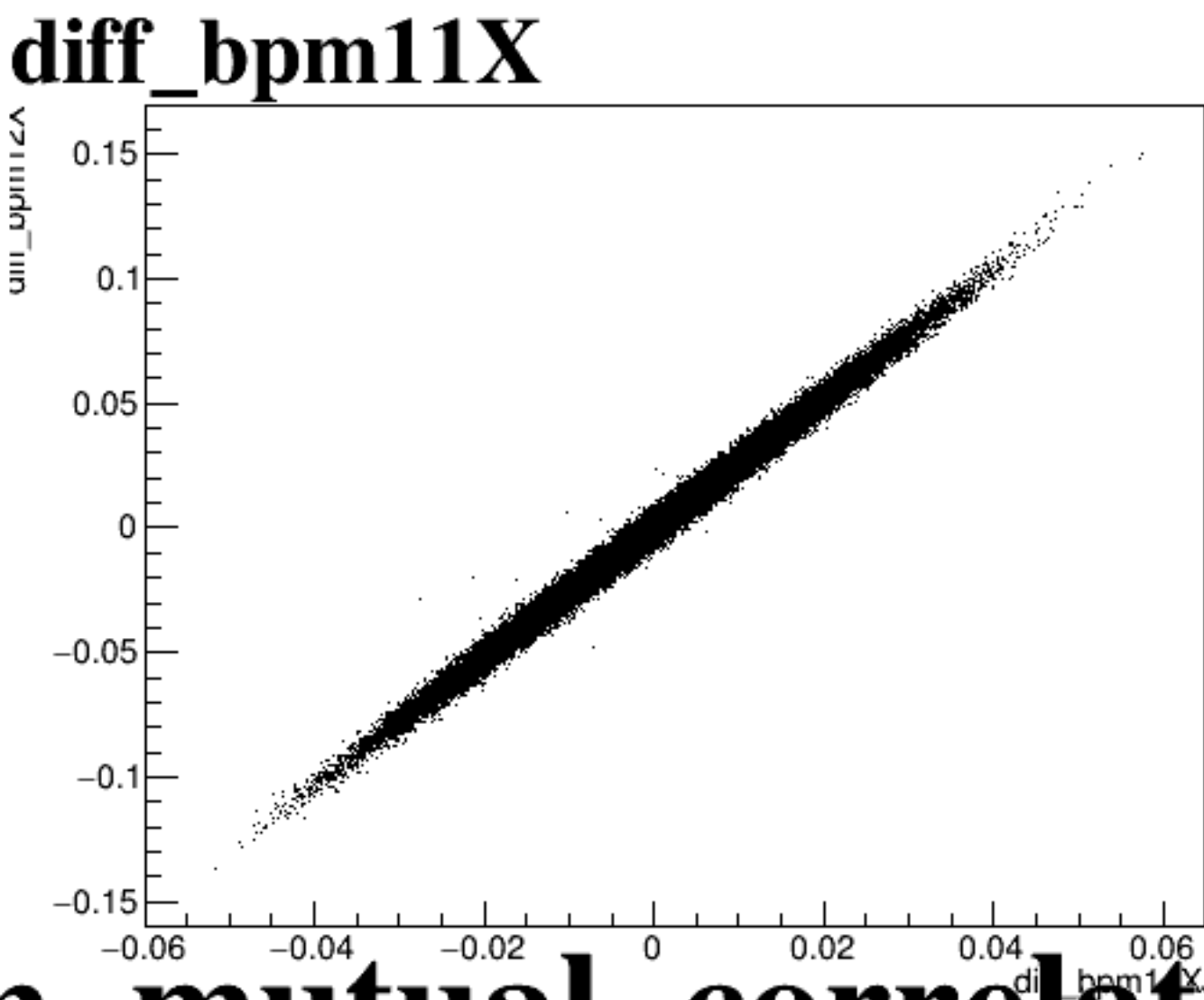
diff\_bpm4eX



diff\_bpm4eY

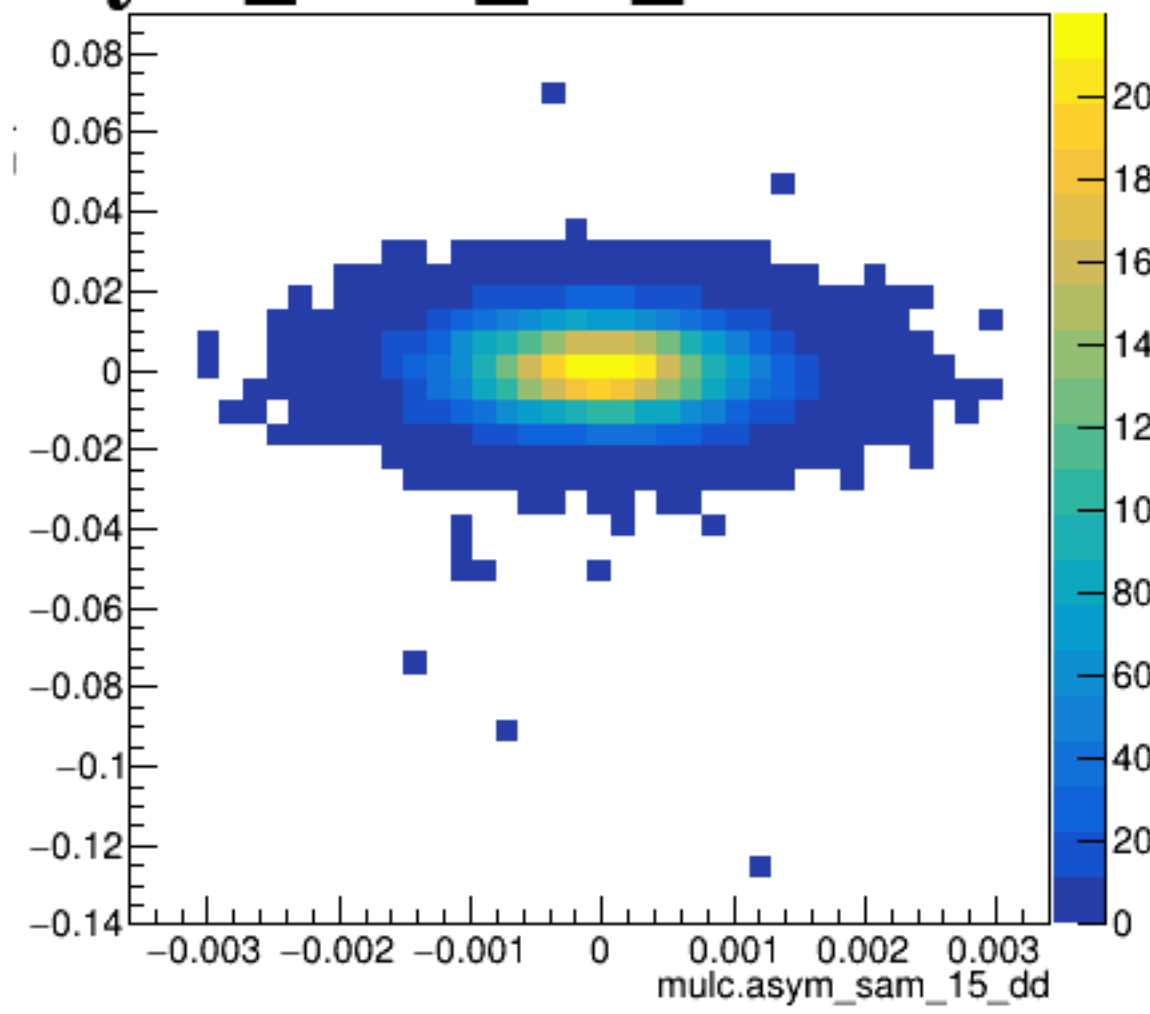


diff\_bpm12X

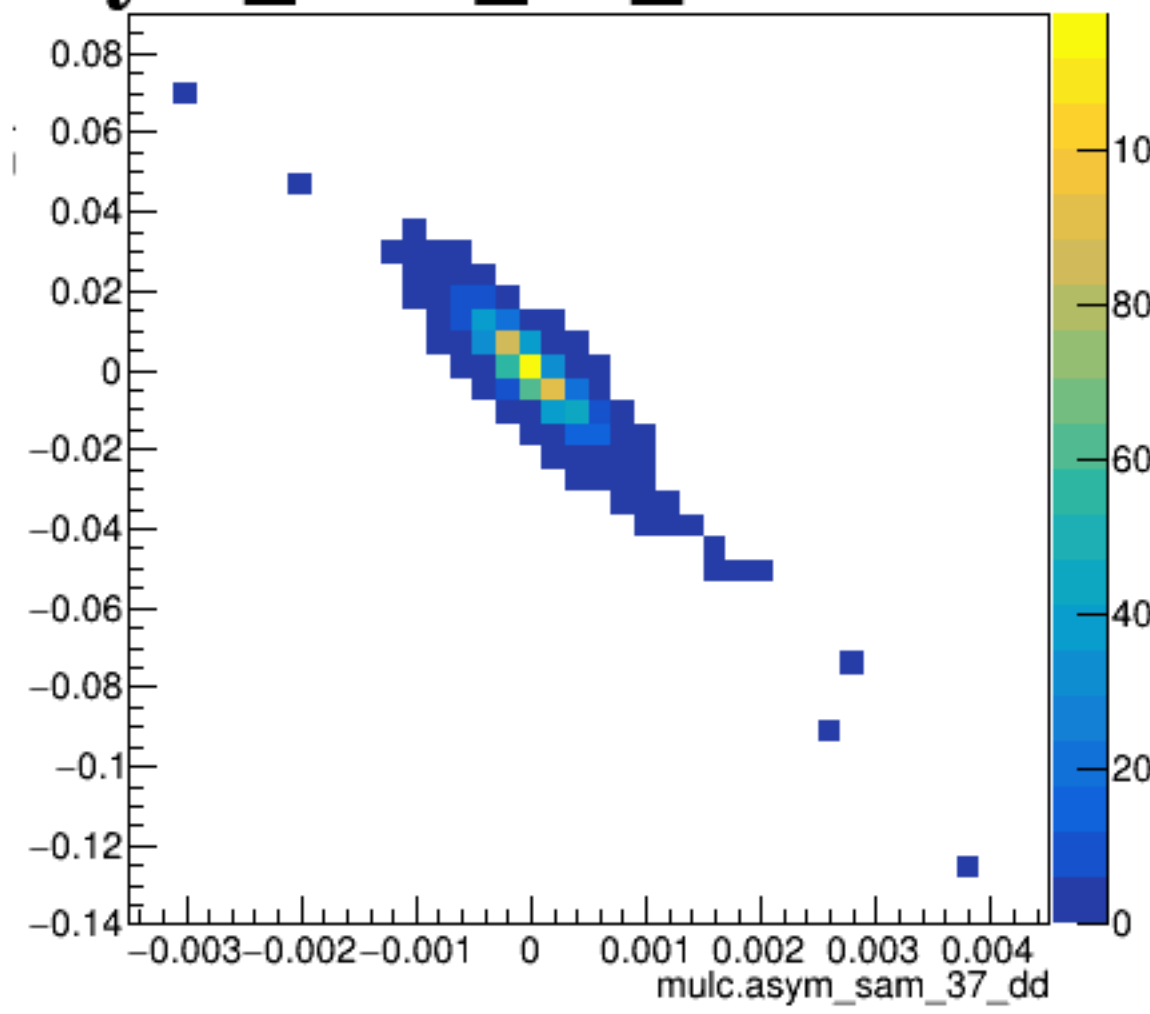


diff\_bpm4aX

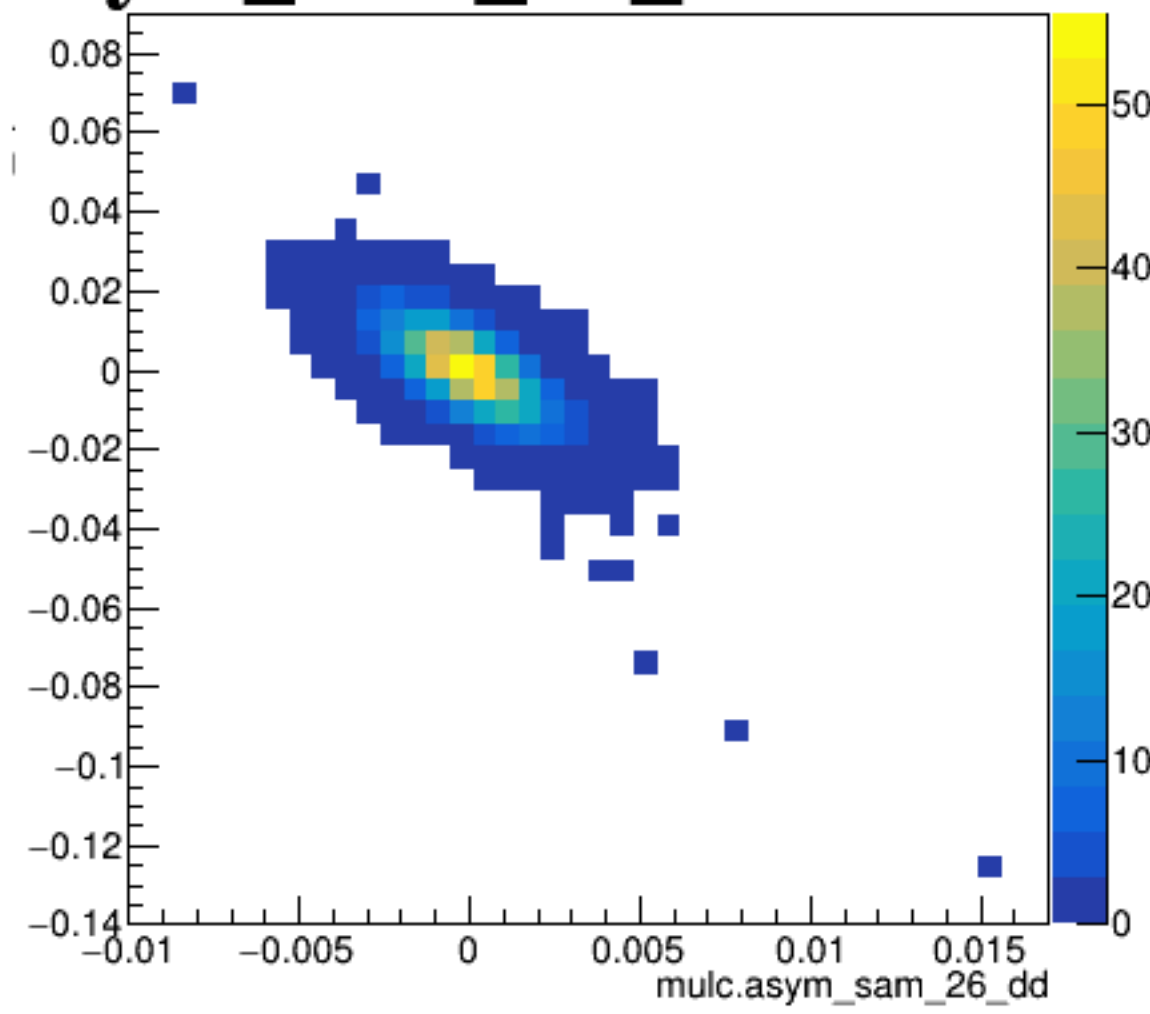
asym\_sam\_15\_dd



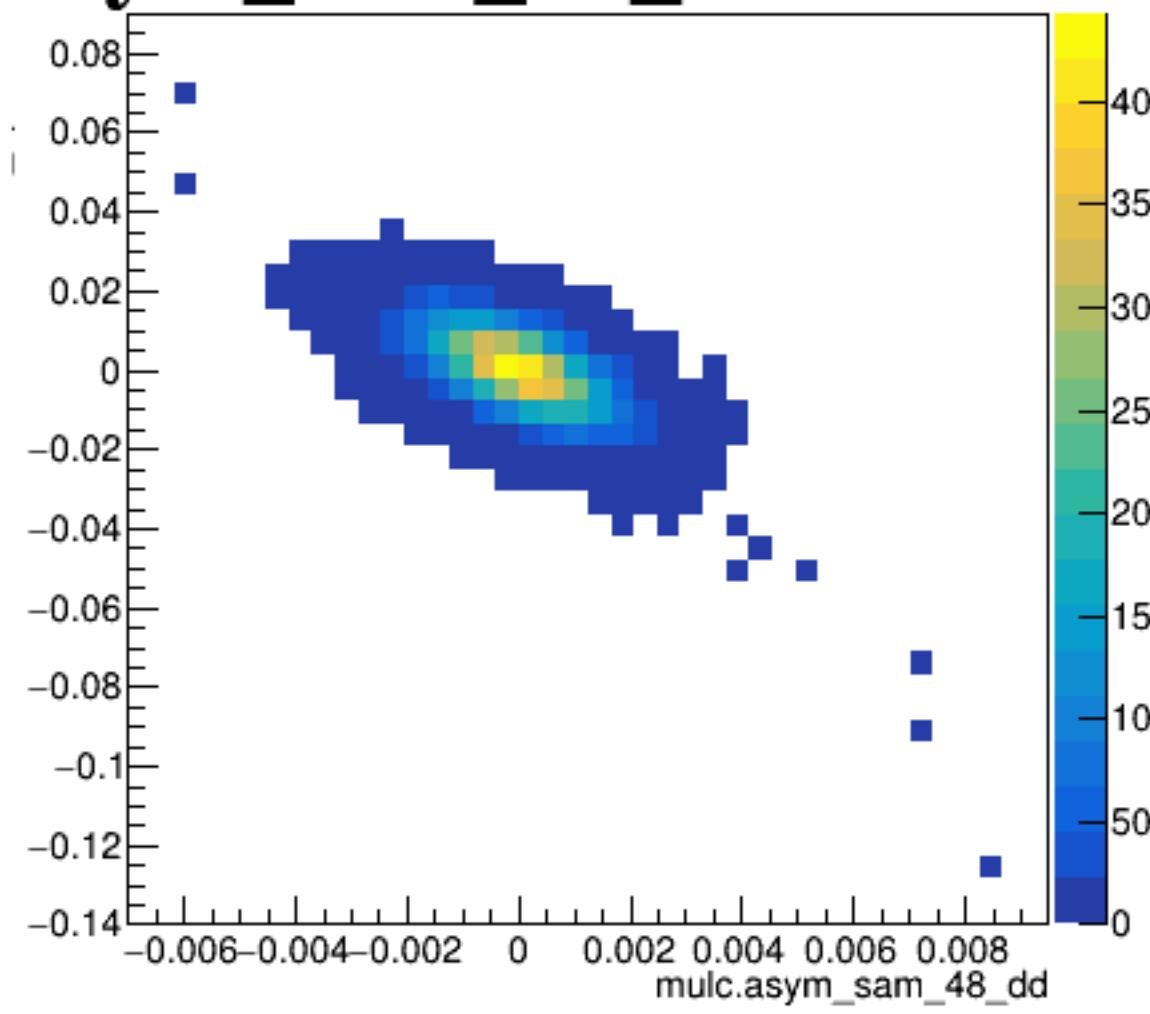
asym\_sam\_37\_dd



asym\_sam\_26\_dd

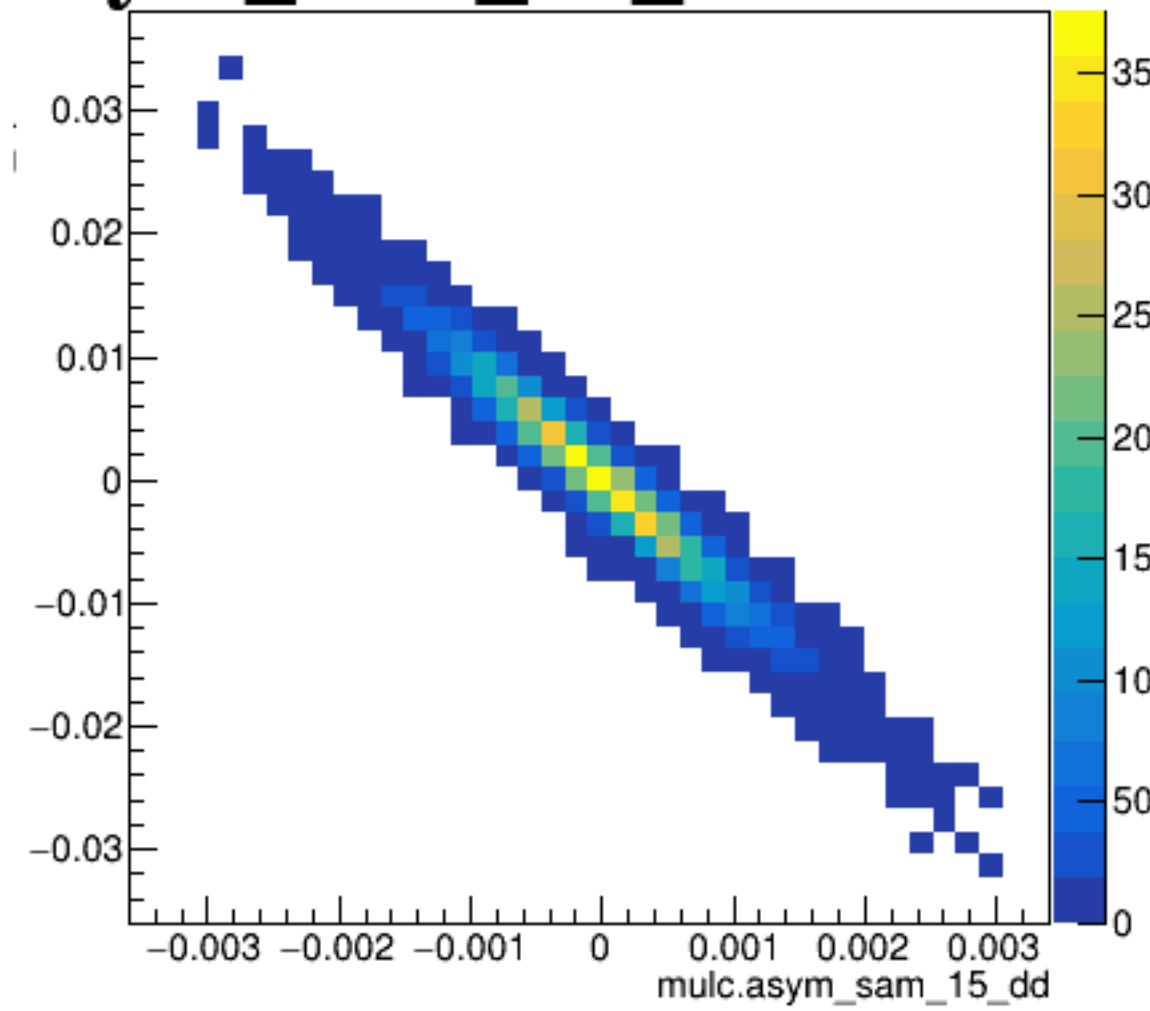


asym\_sam\_48\_dd

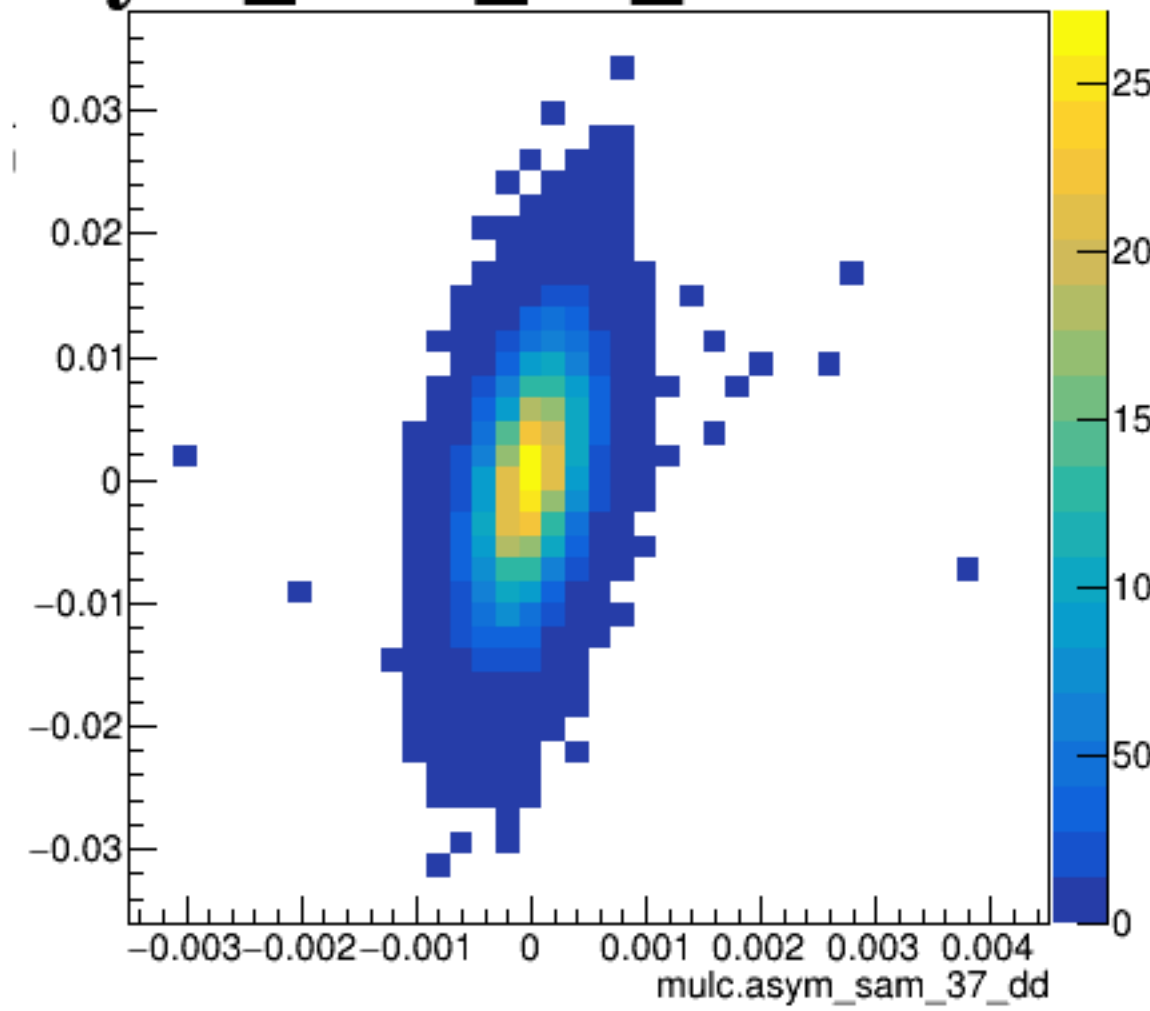


diff\_bpm4aY

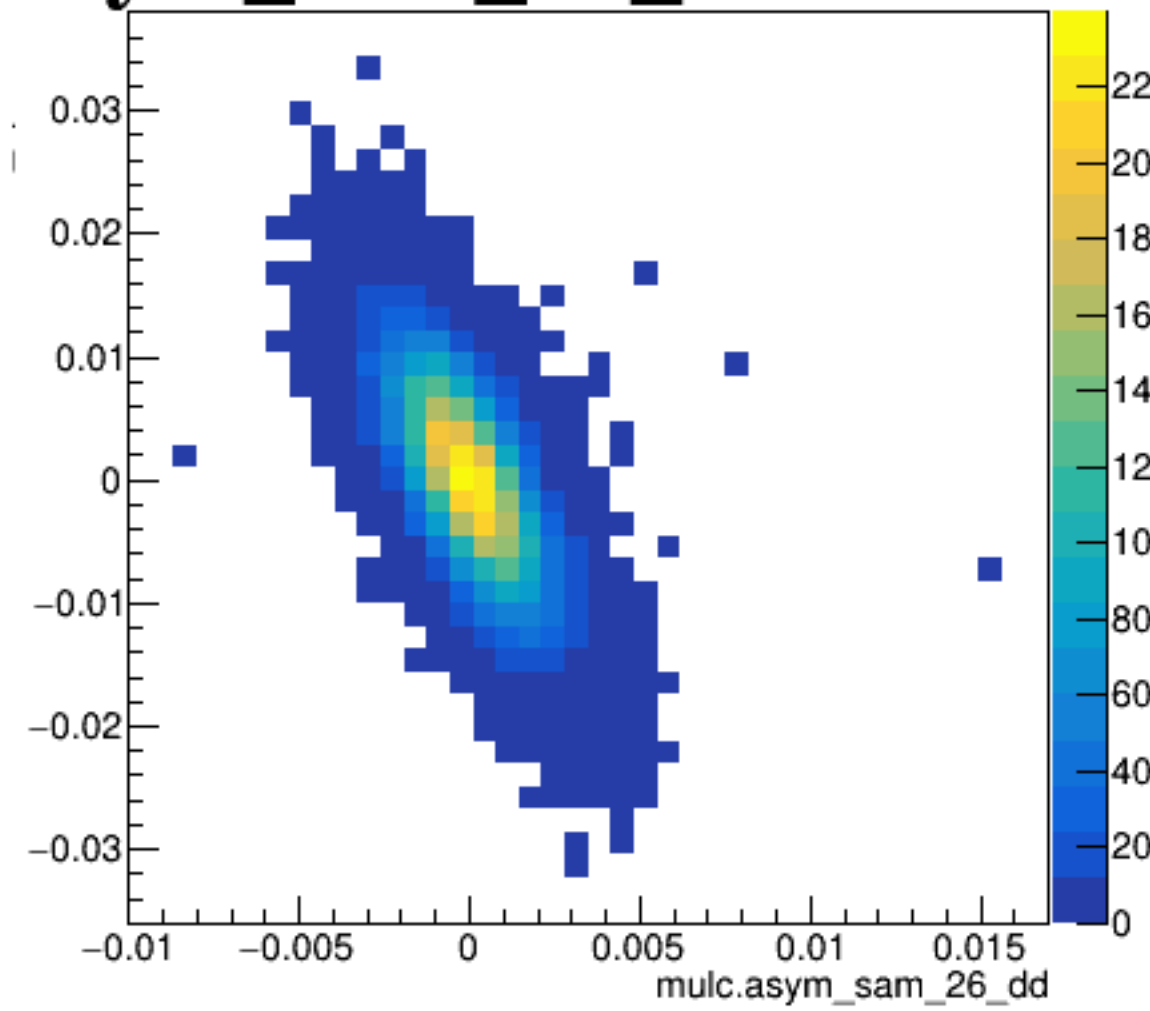
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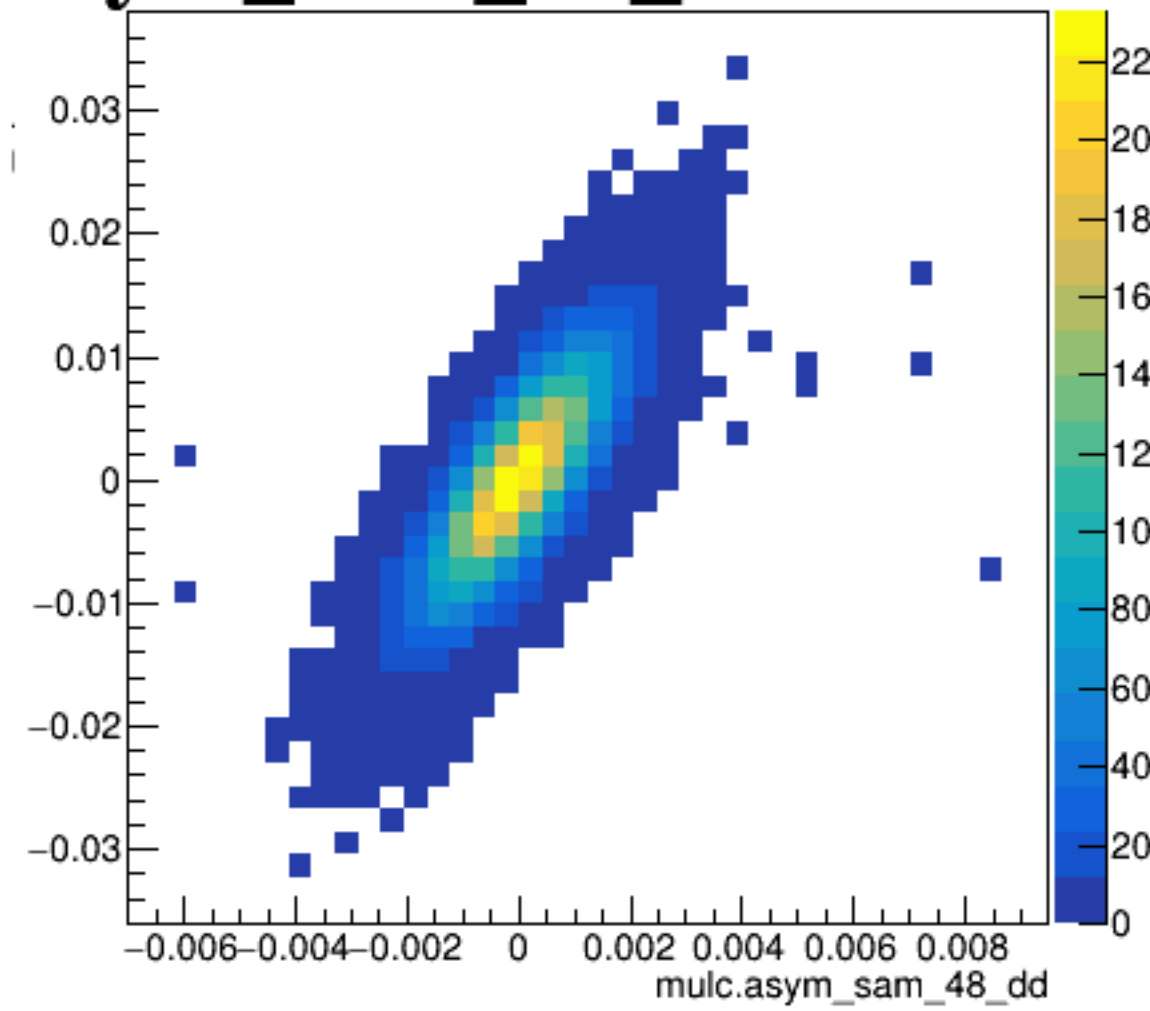
asym\_sam\_37\_dd



asym\_sam\_26\_dd

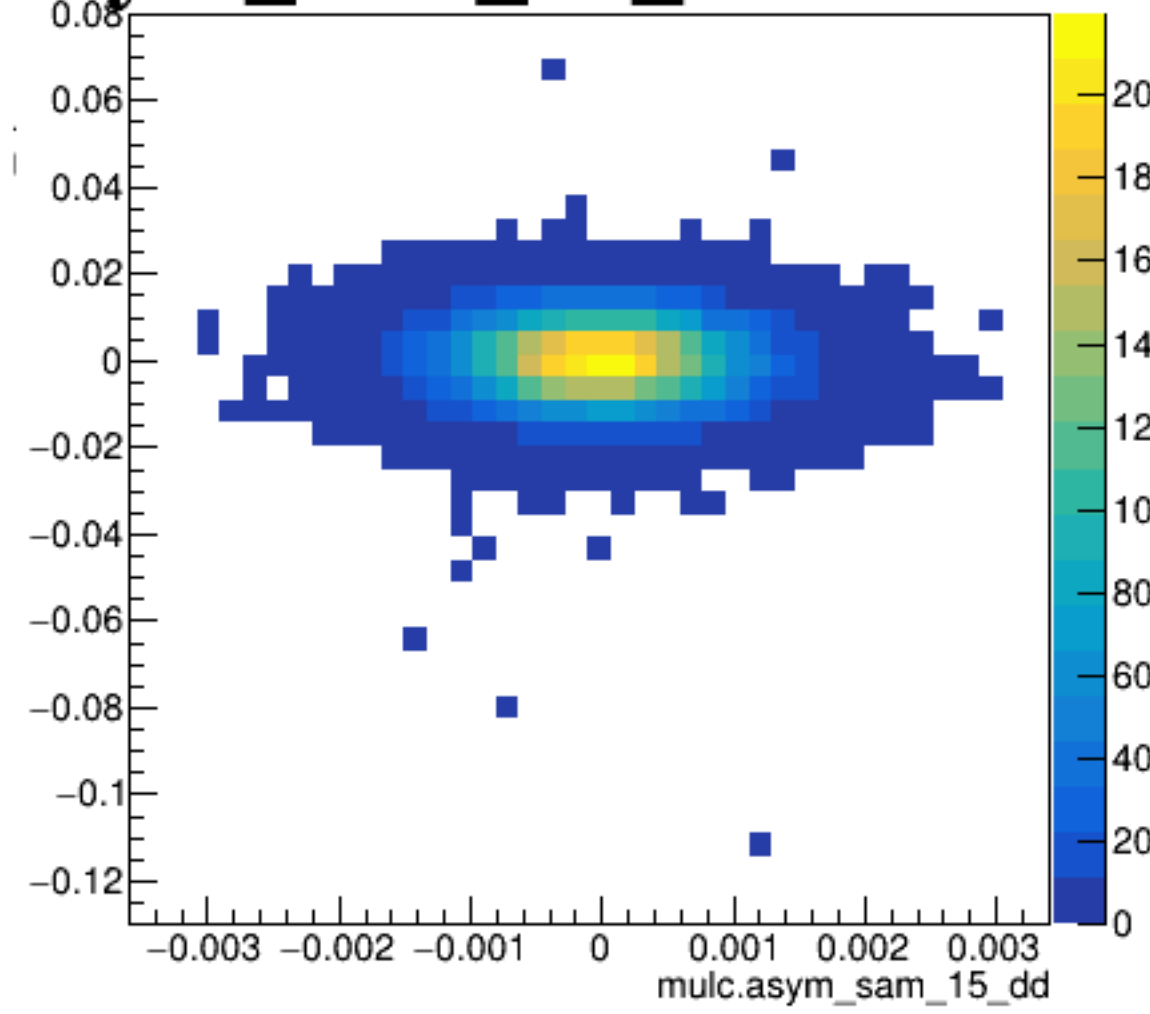


asym\_sam\_48\_dd

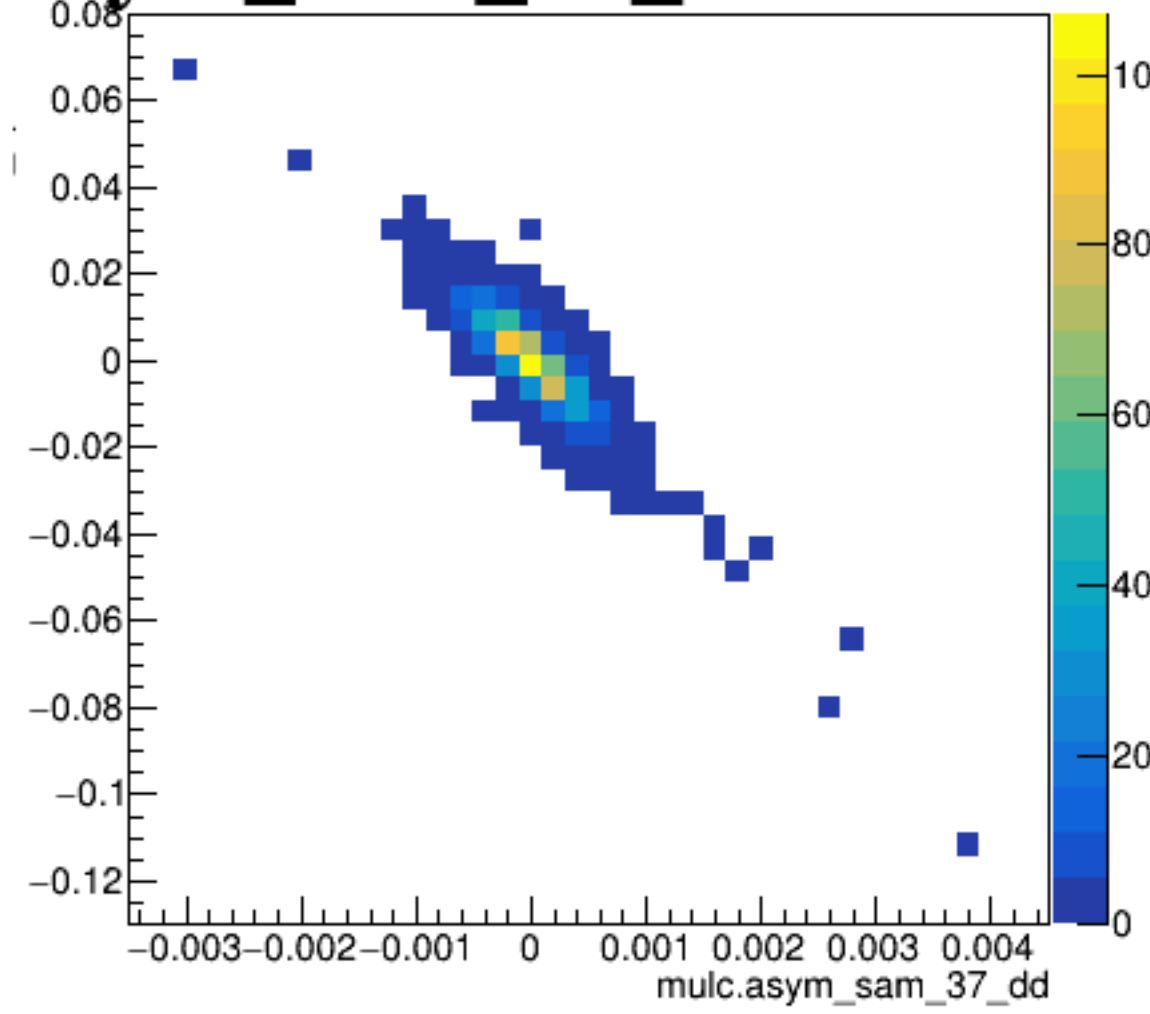


diff\_bpm4eX

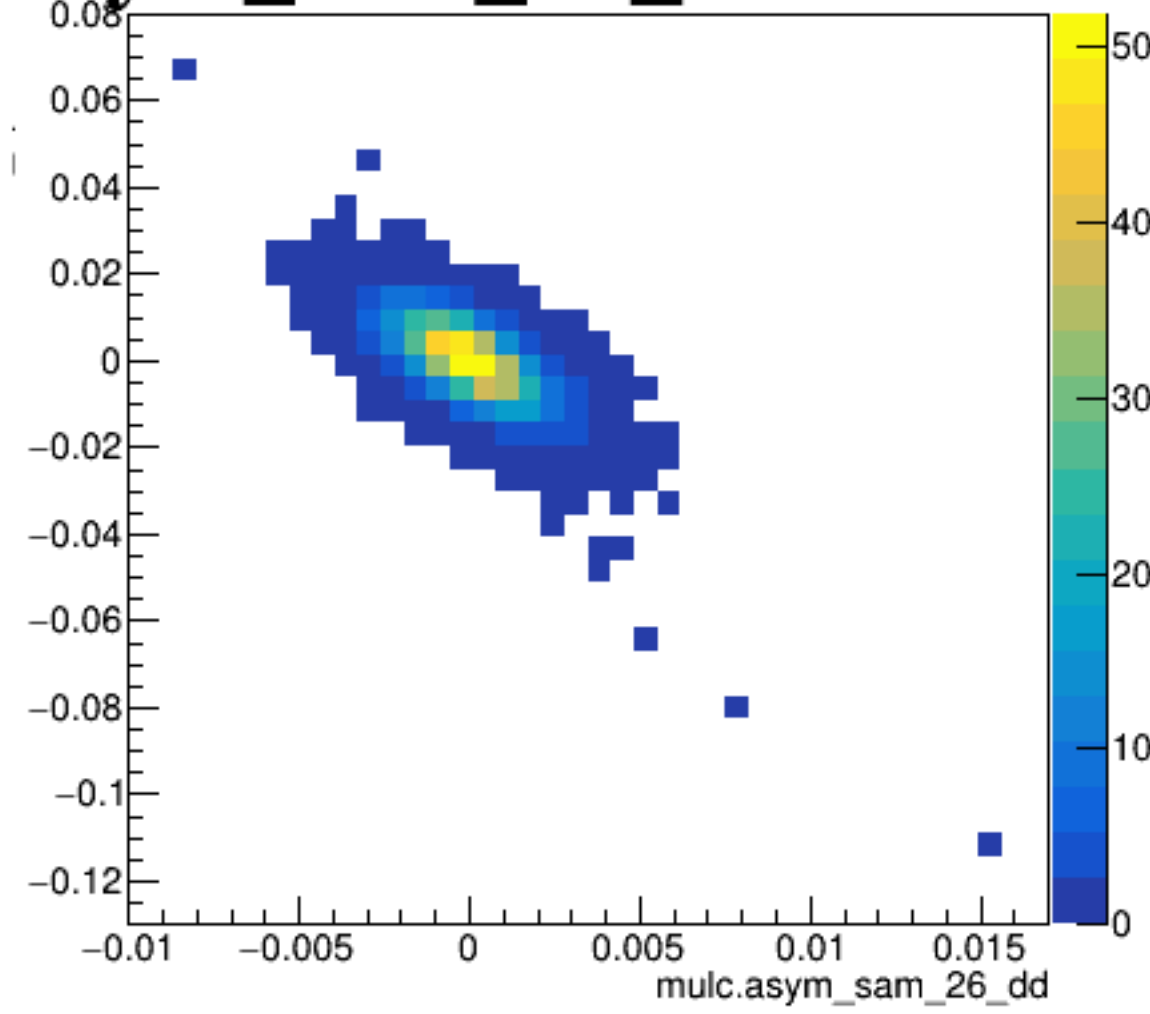
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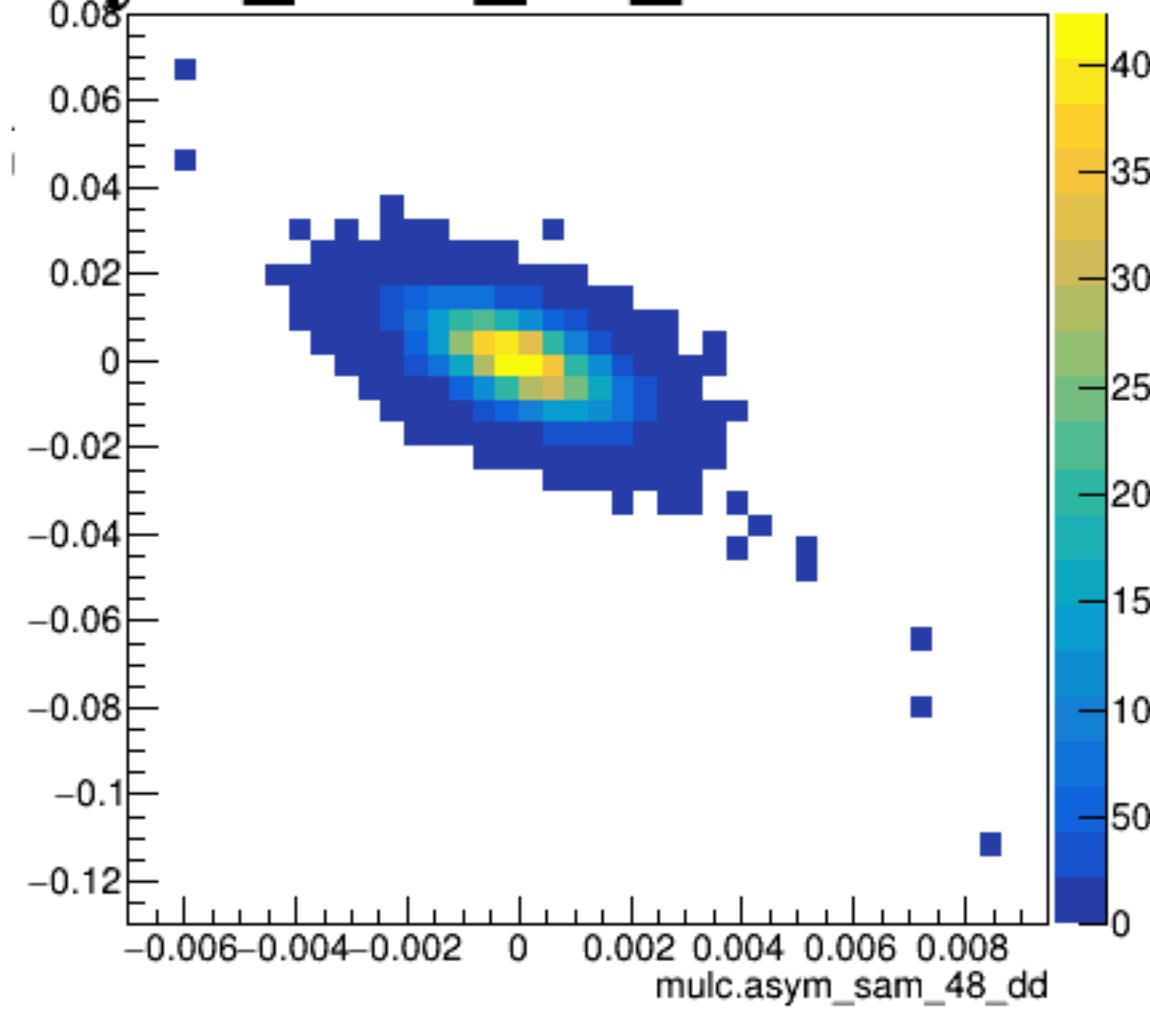
asym\_sam\_37\_dd



asym\_sam\_26\_dd

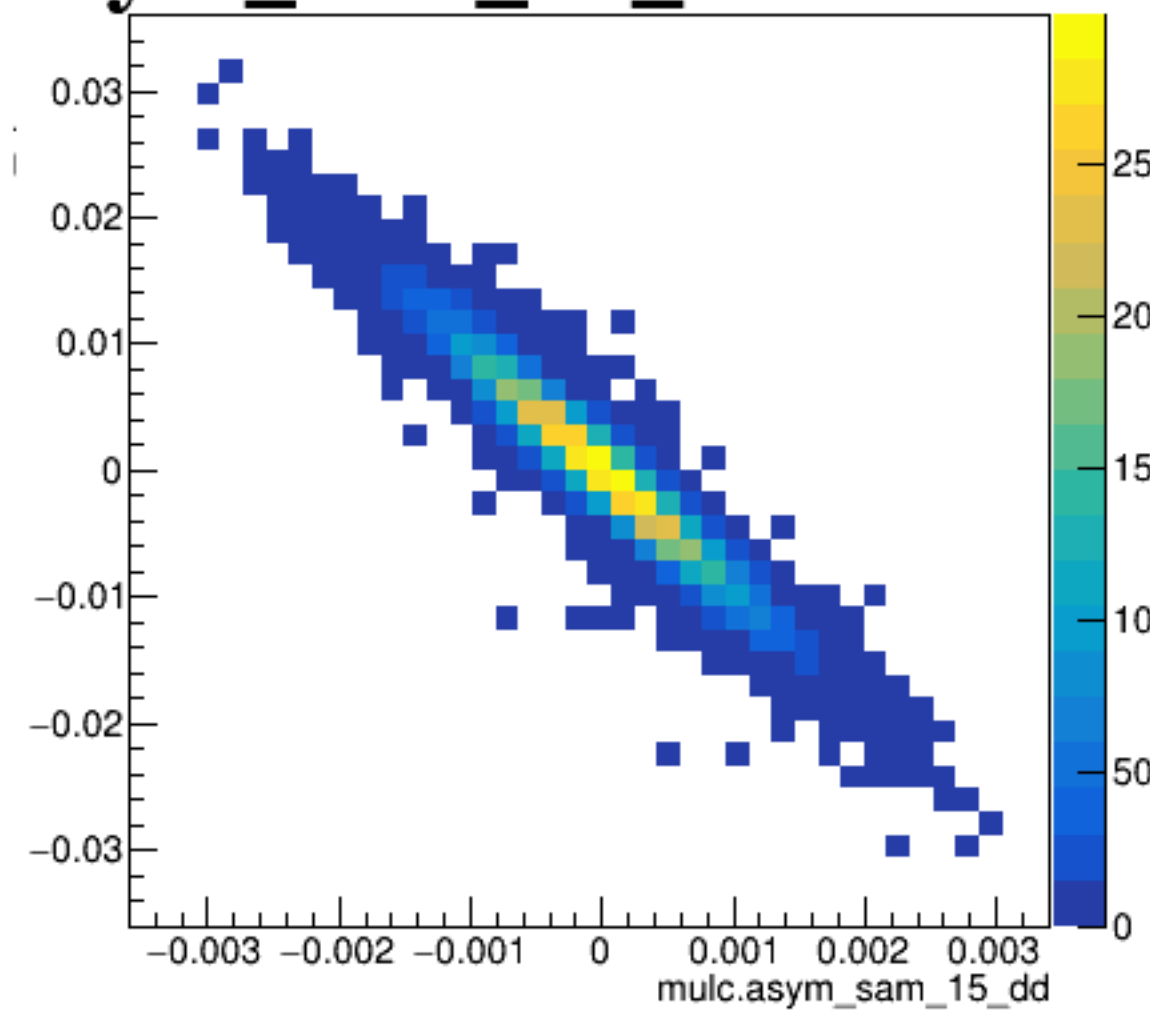


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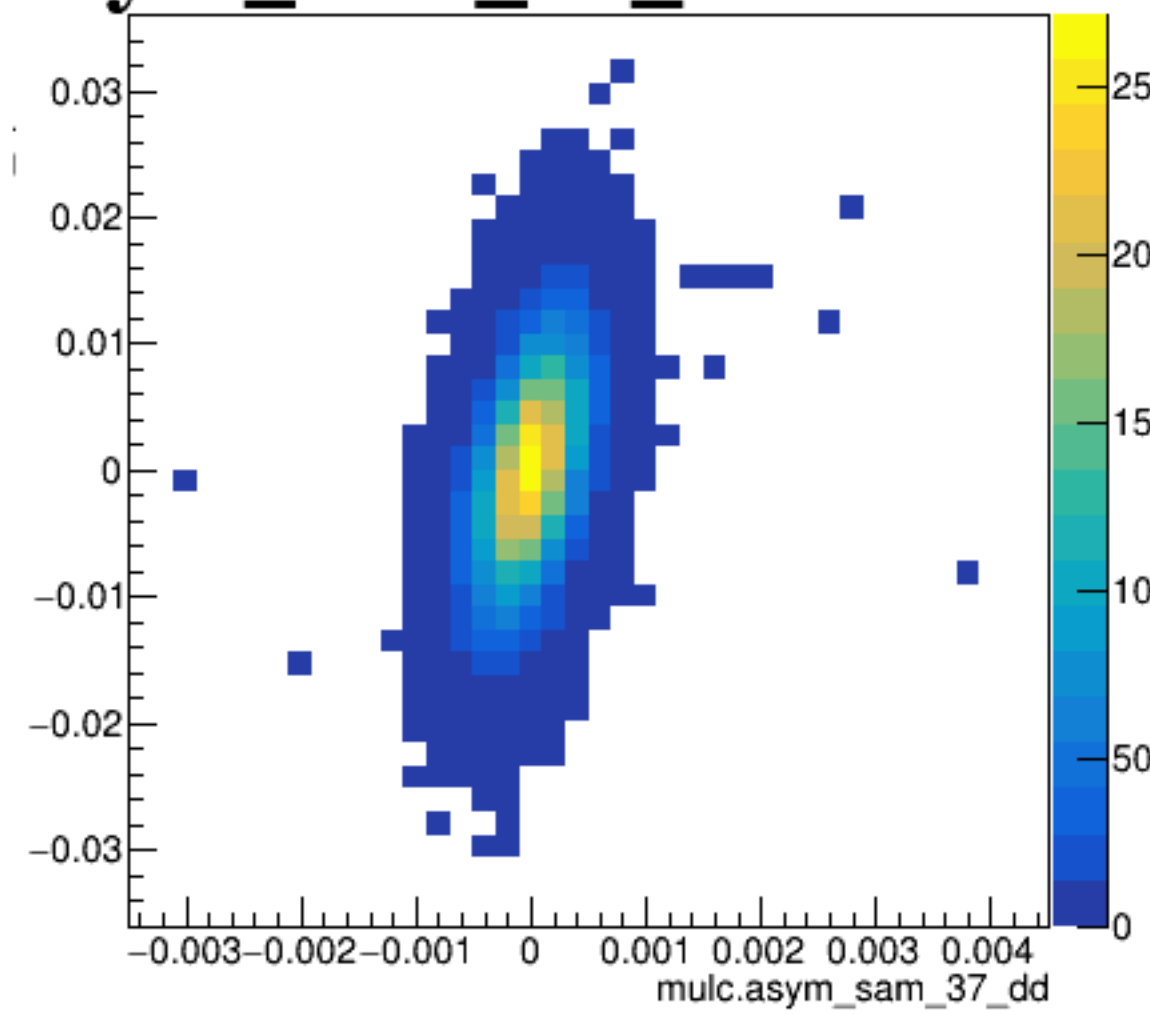


diff\_bpm4eY

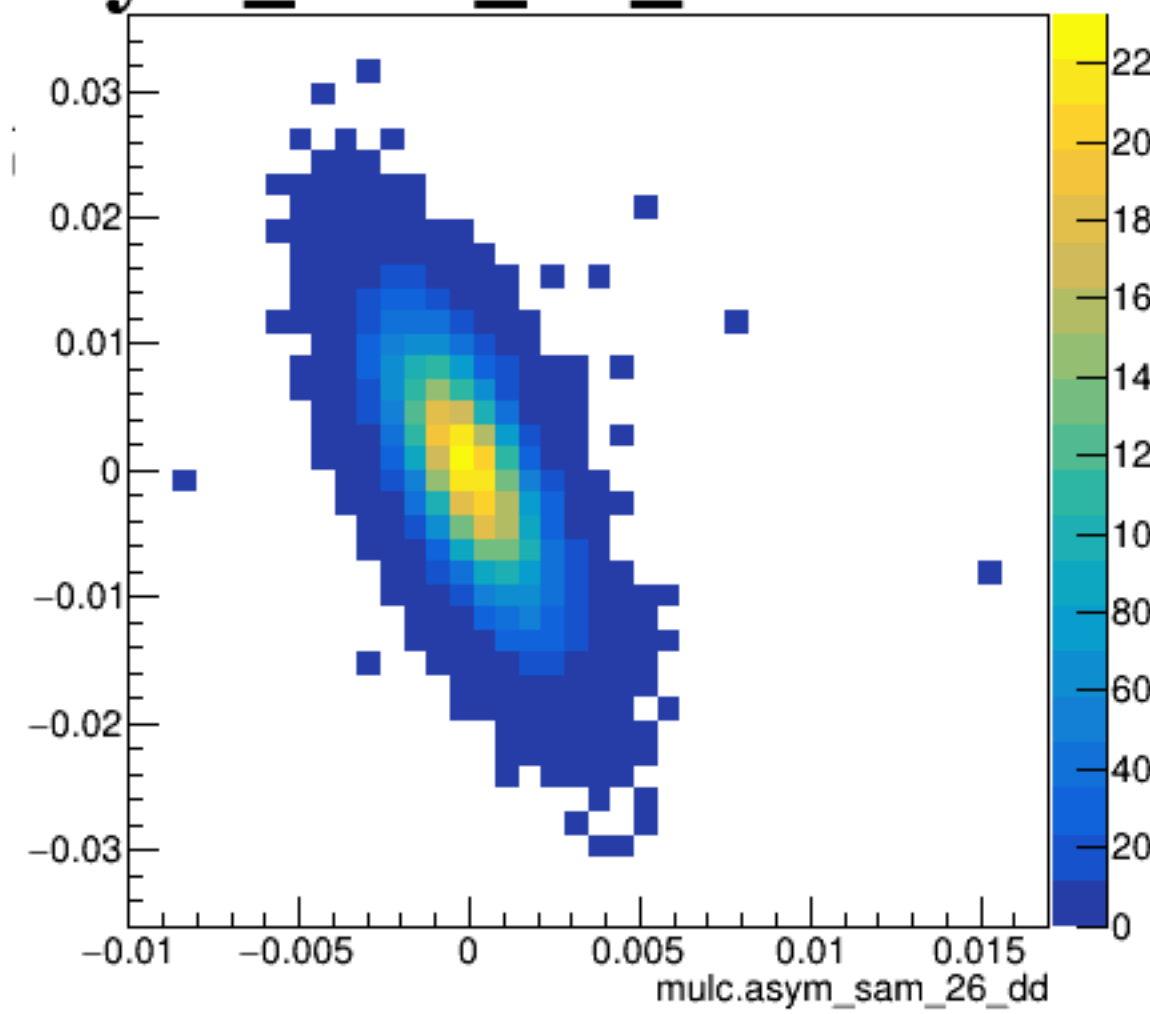
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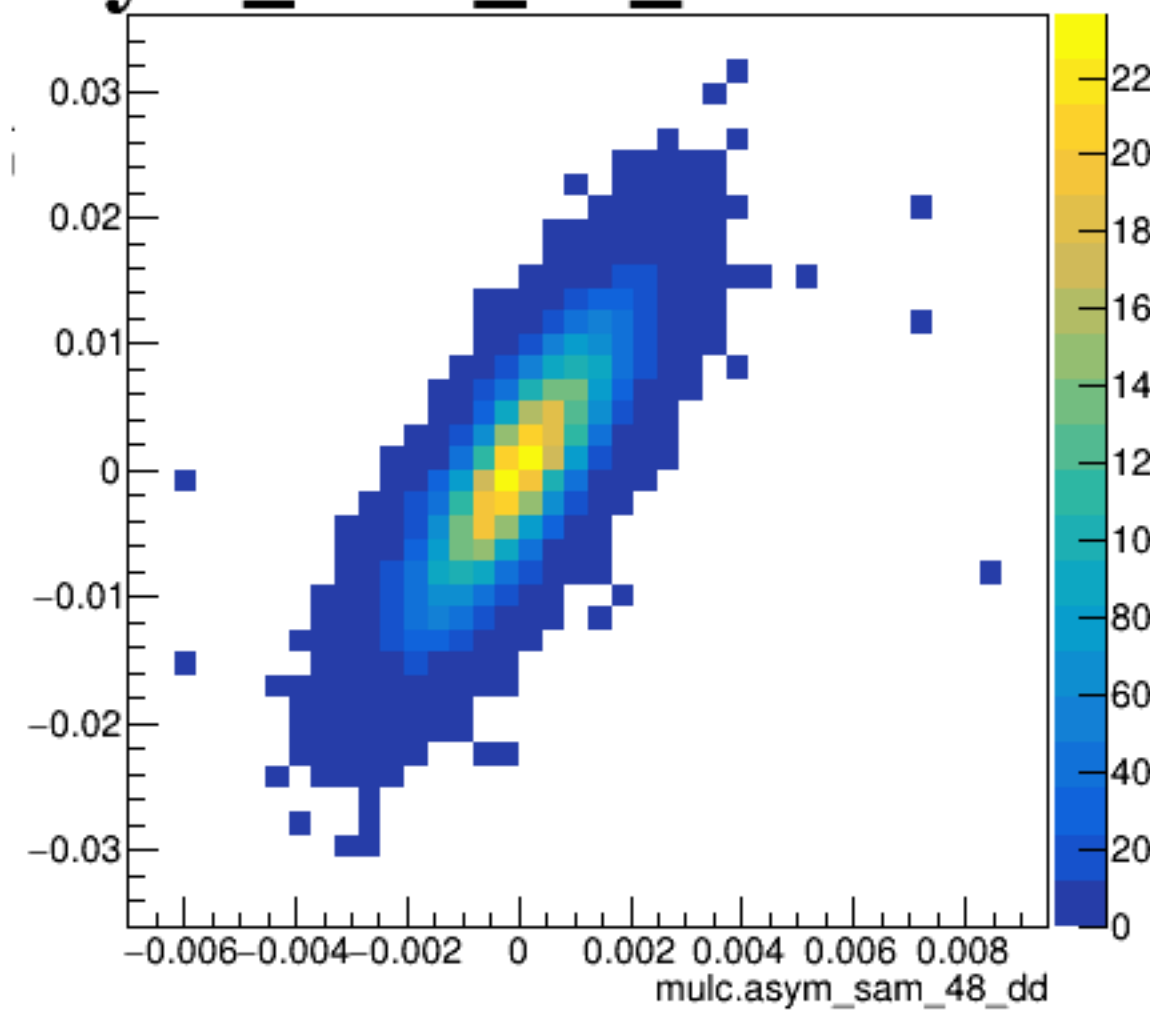
asym\_sam\_37\_dd



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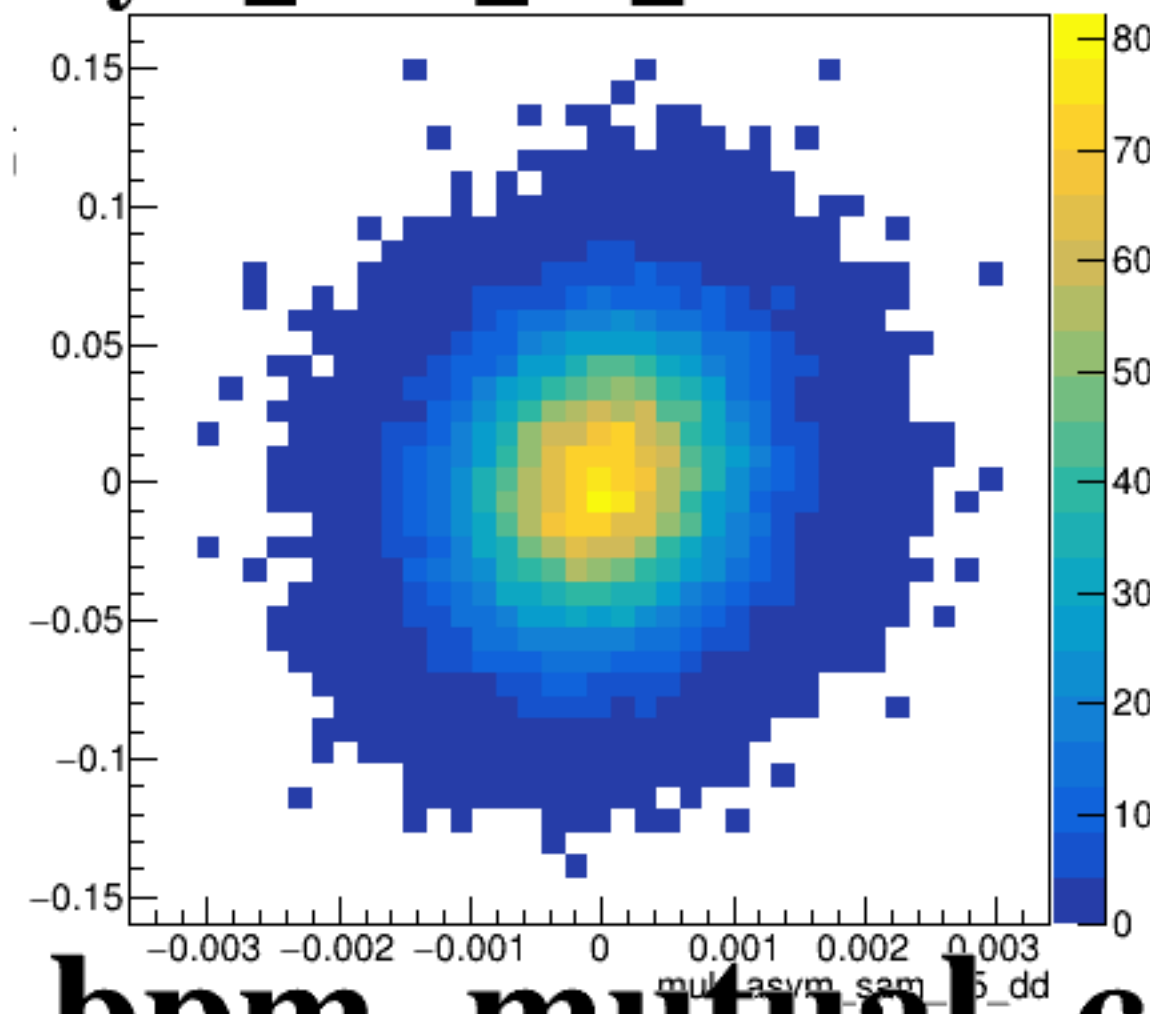


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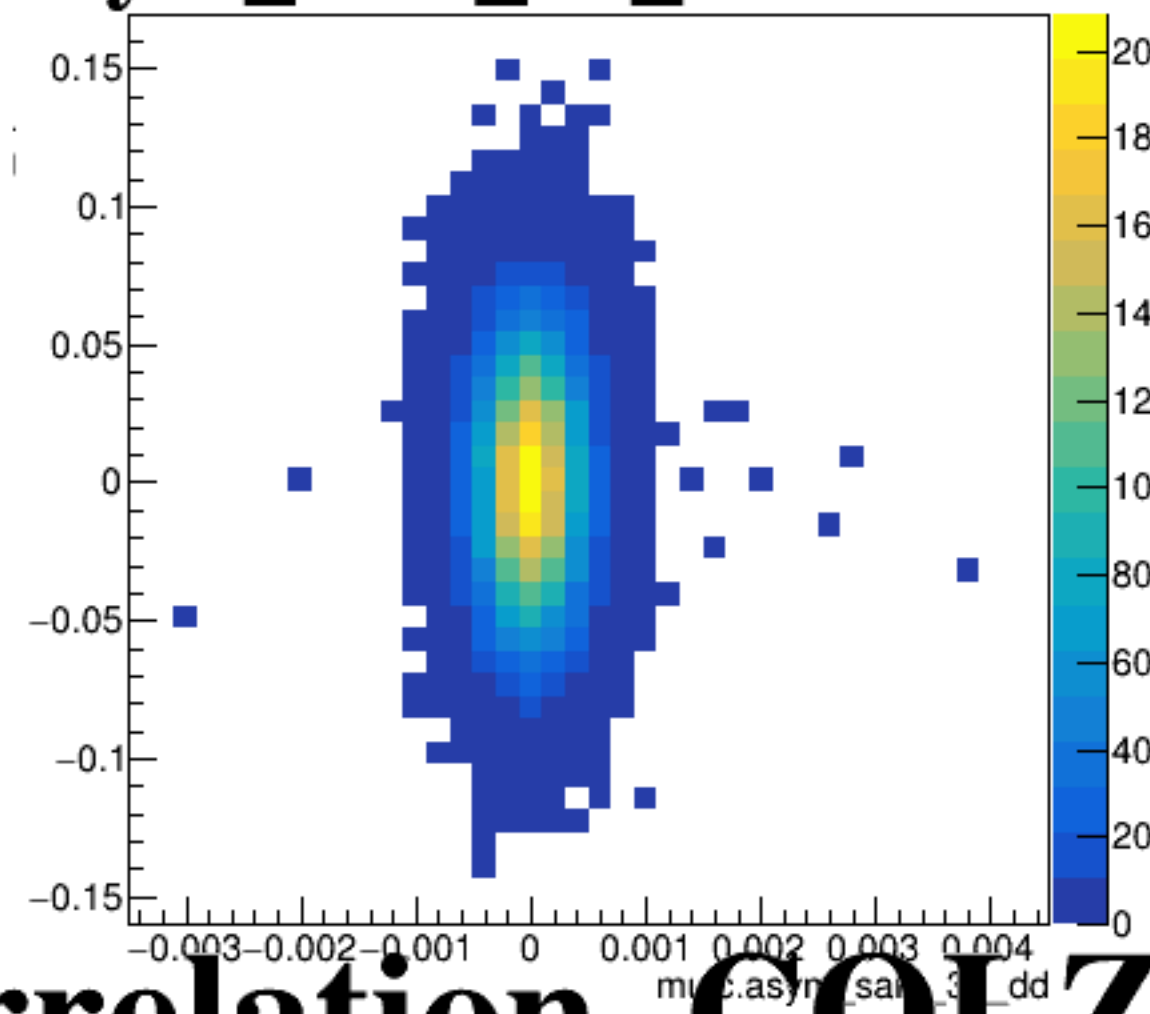


diff\_bpm12X

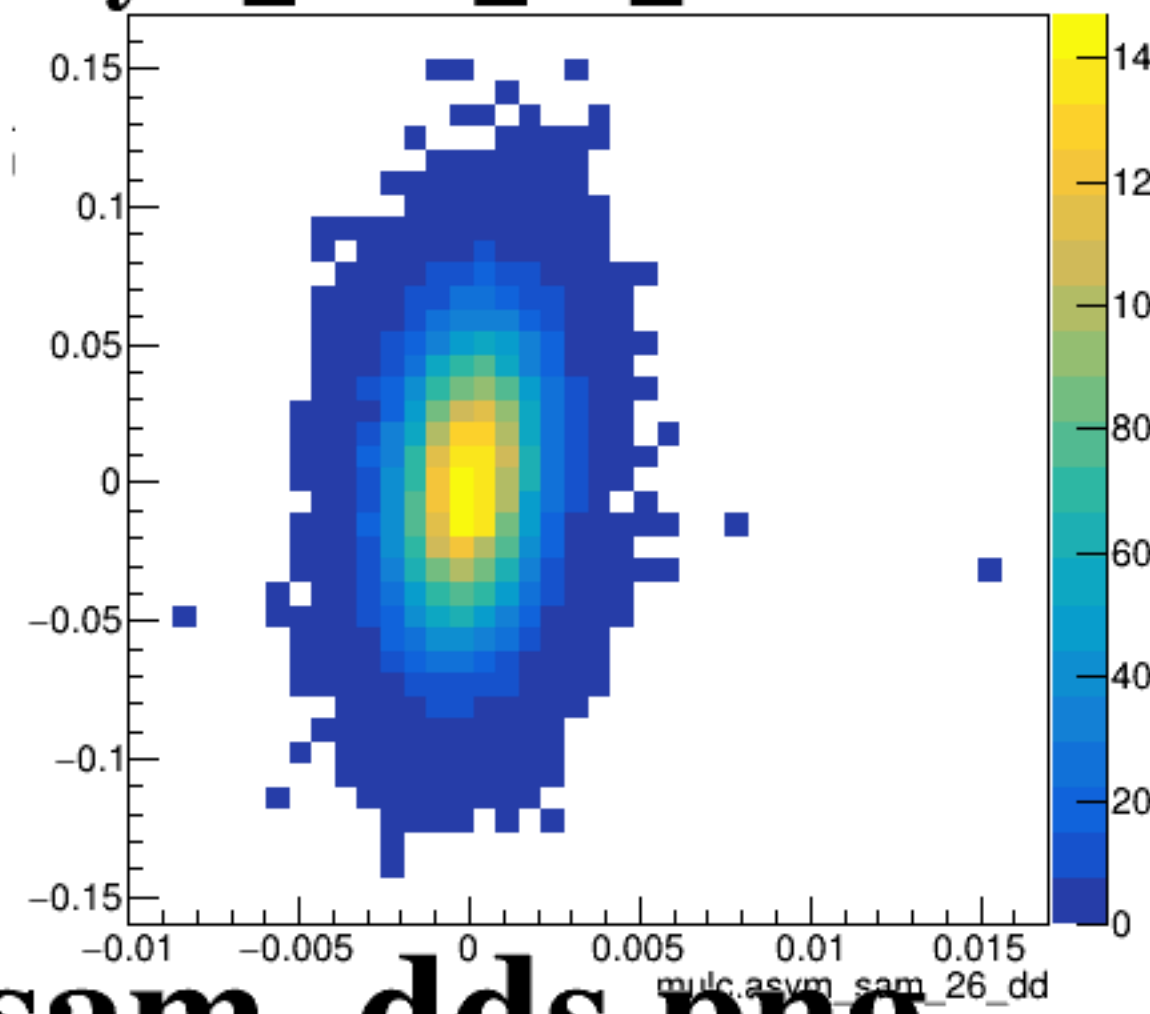
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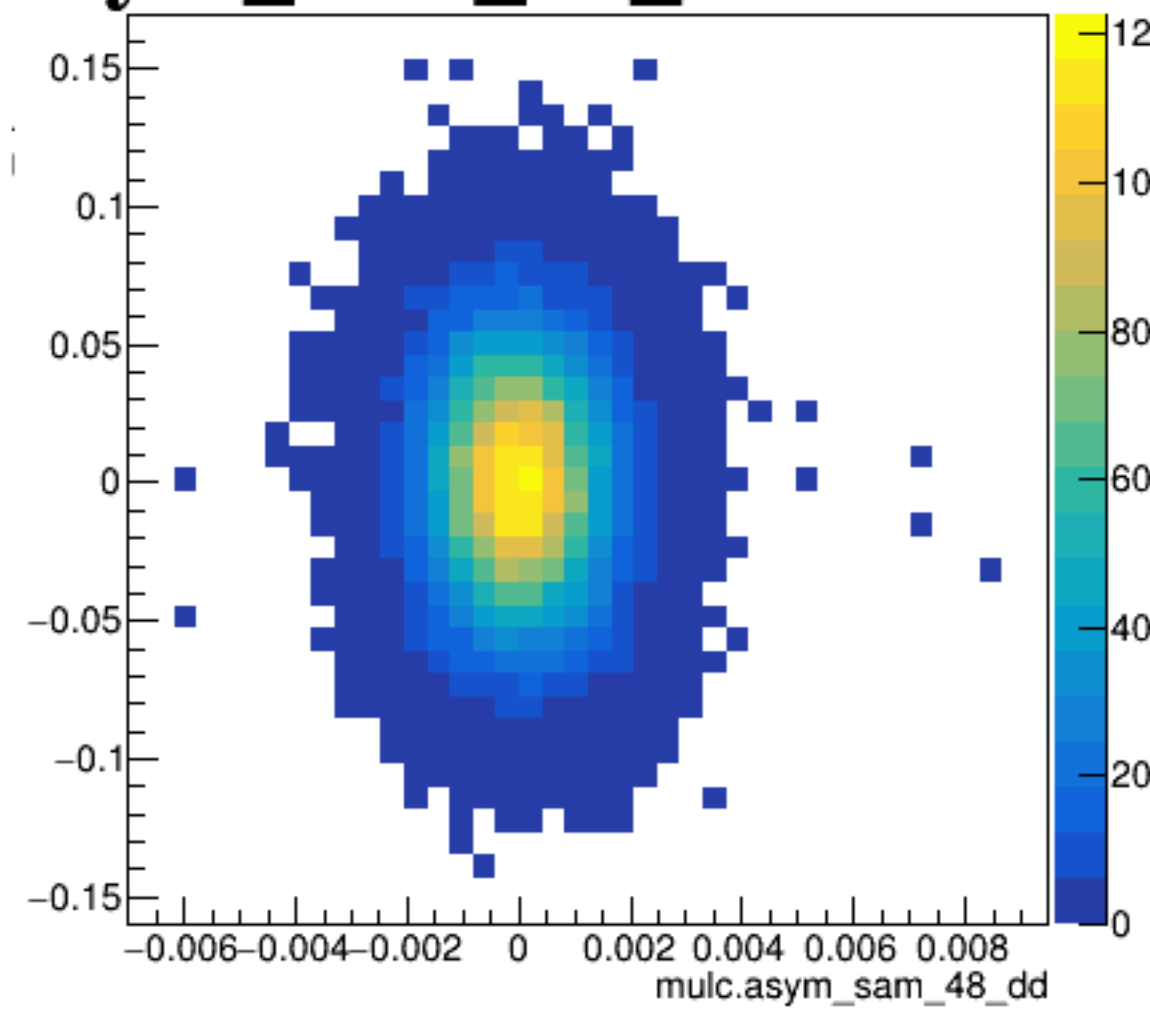
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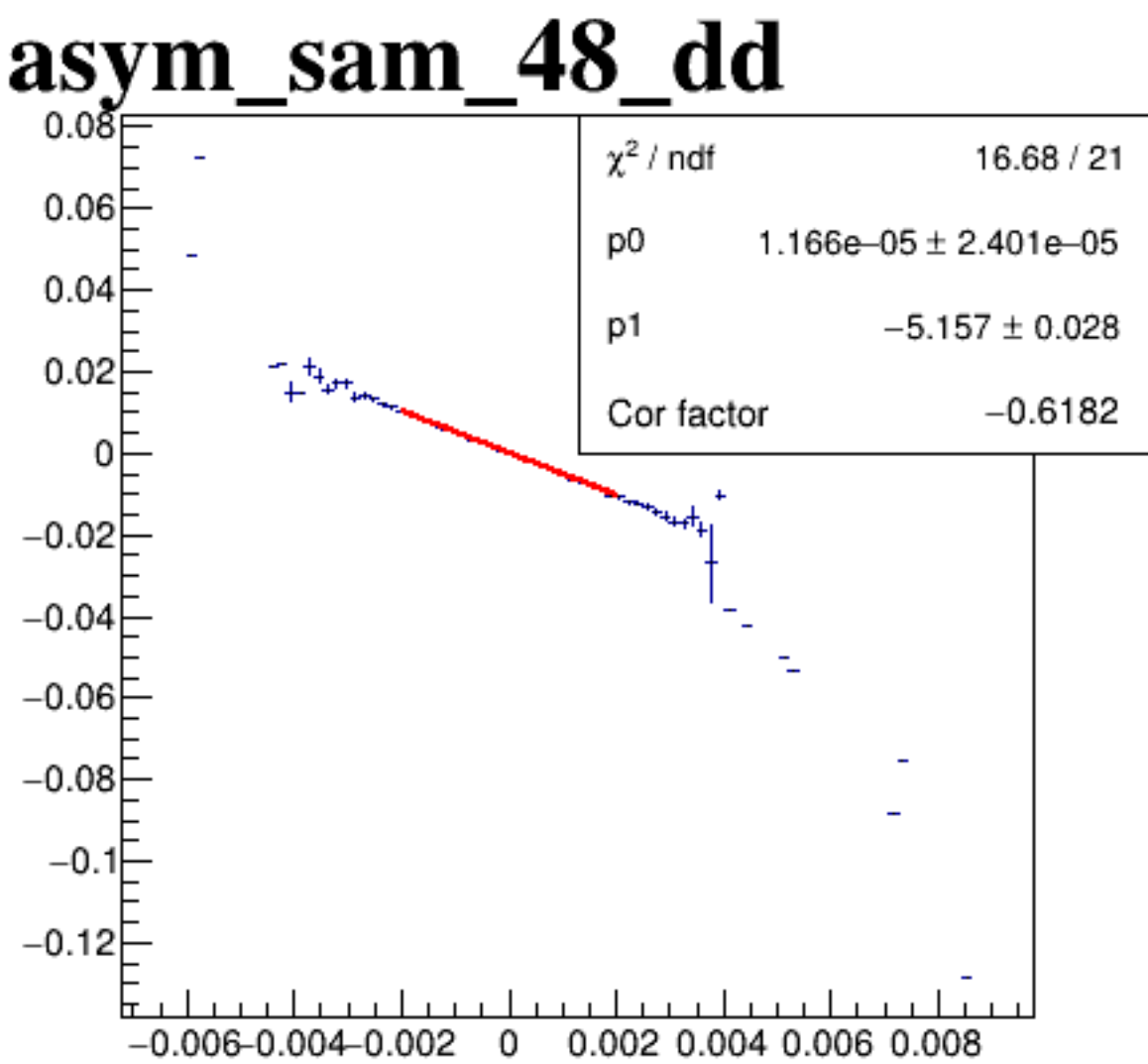
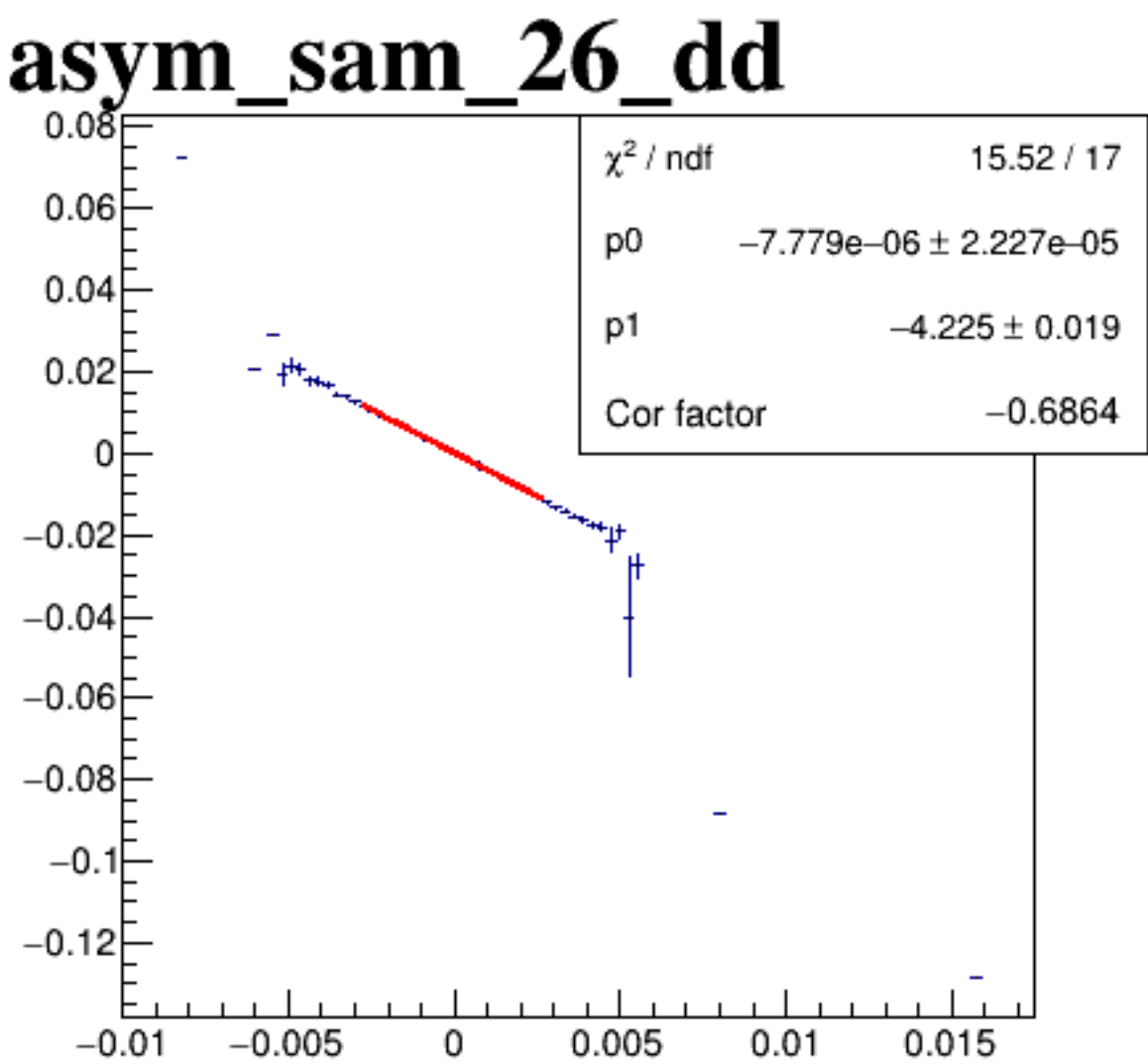
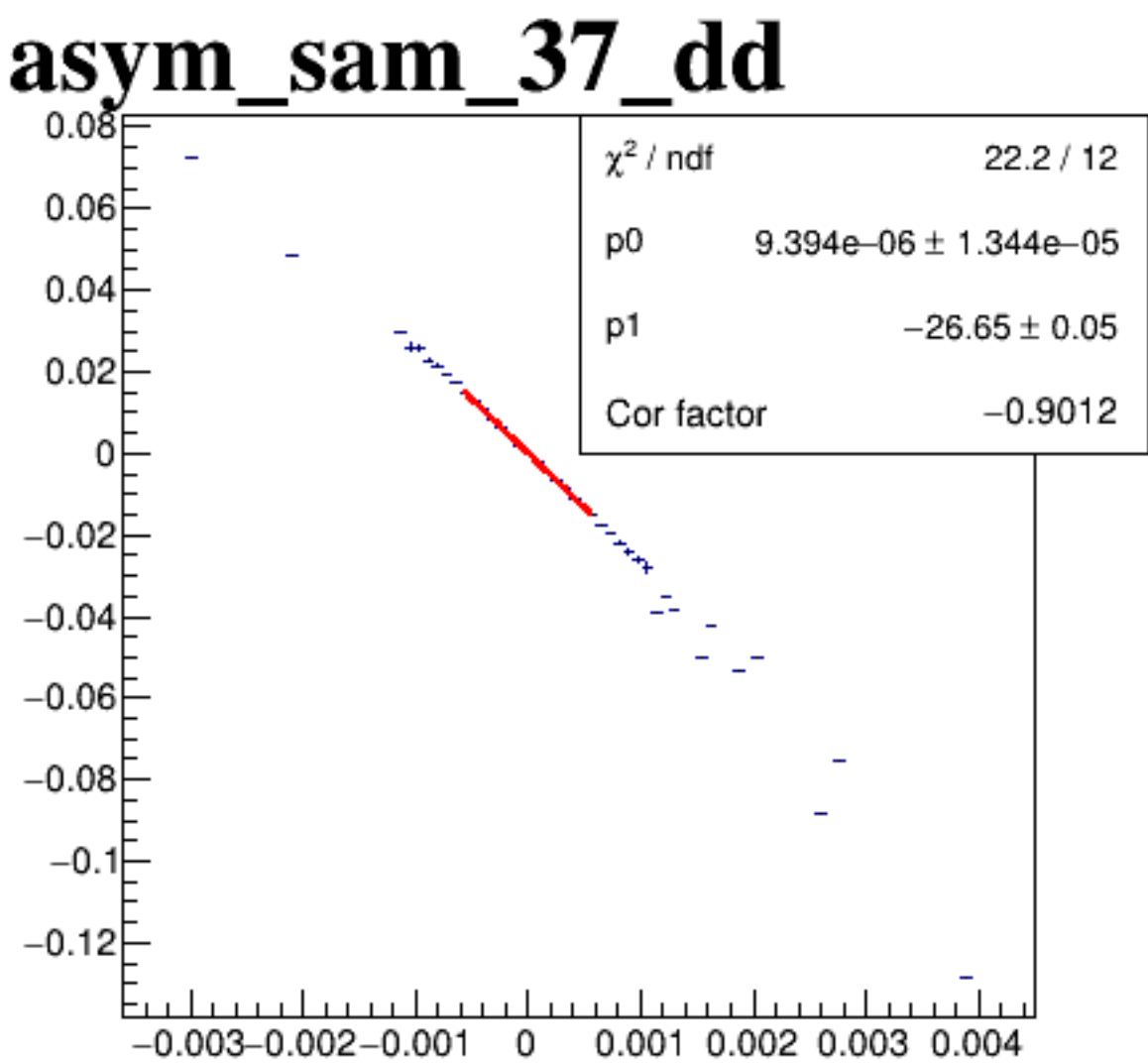
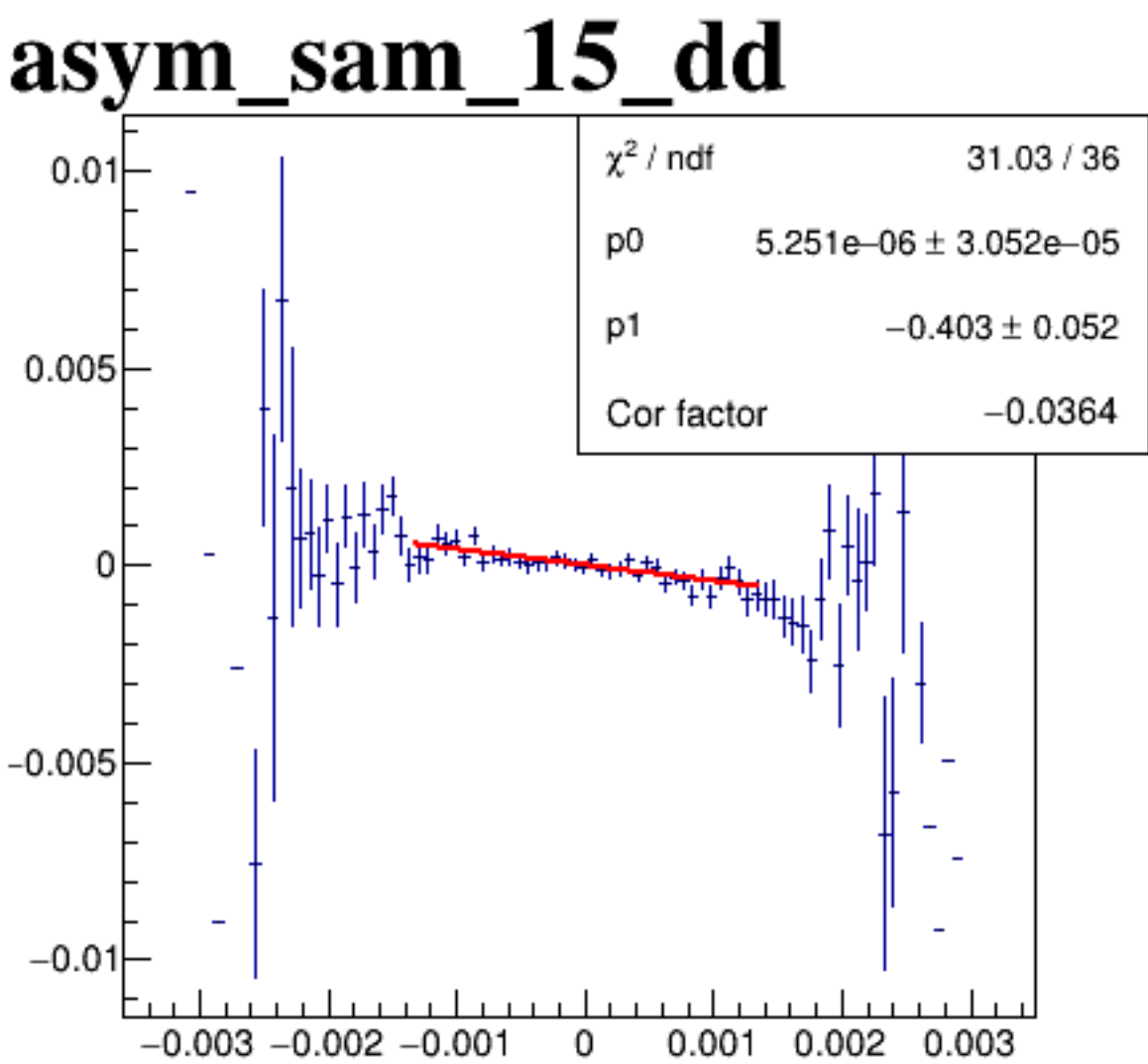
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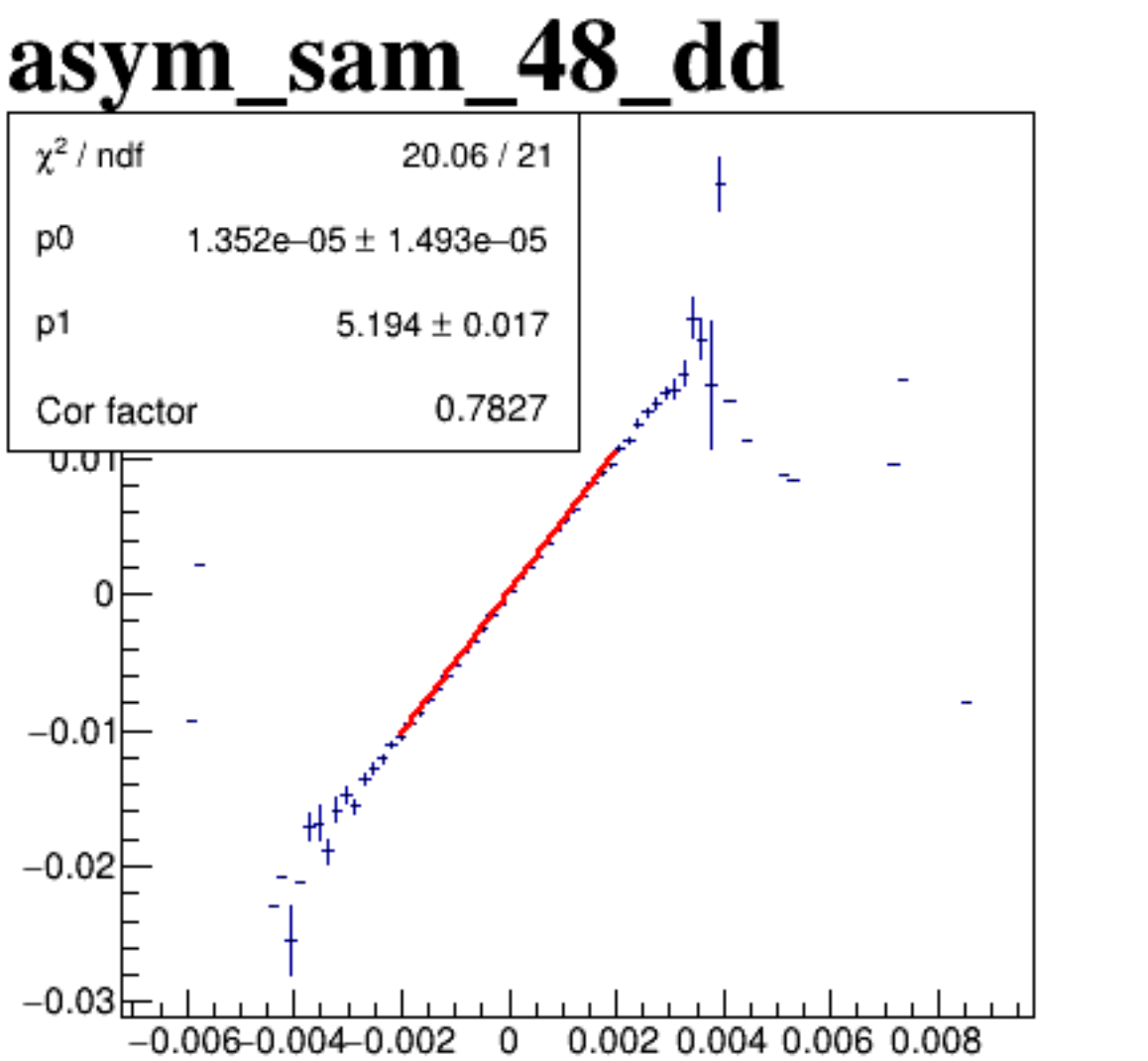
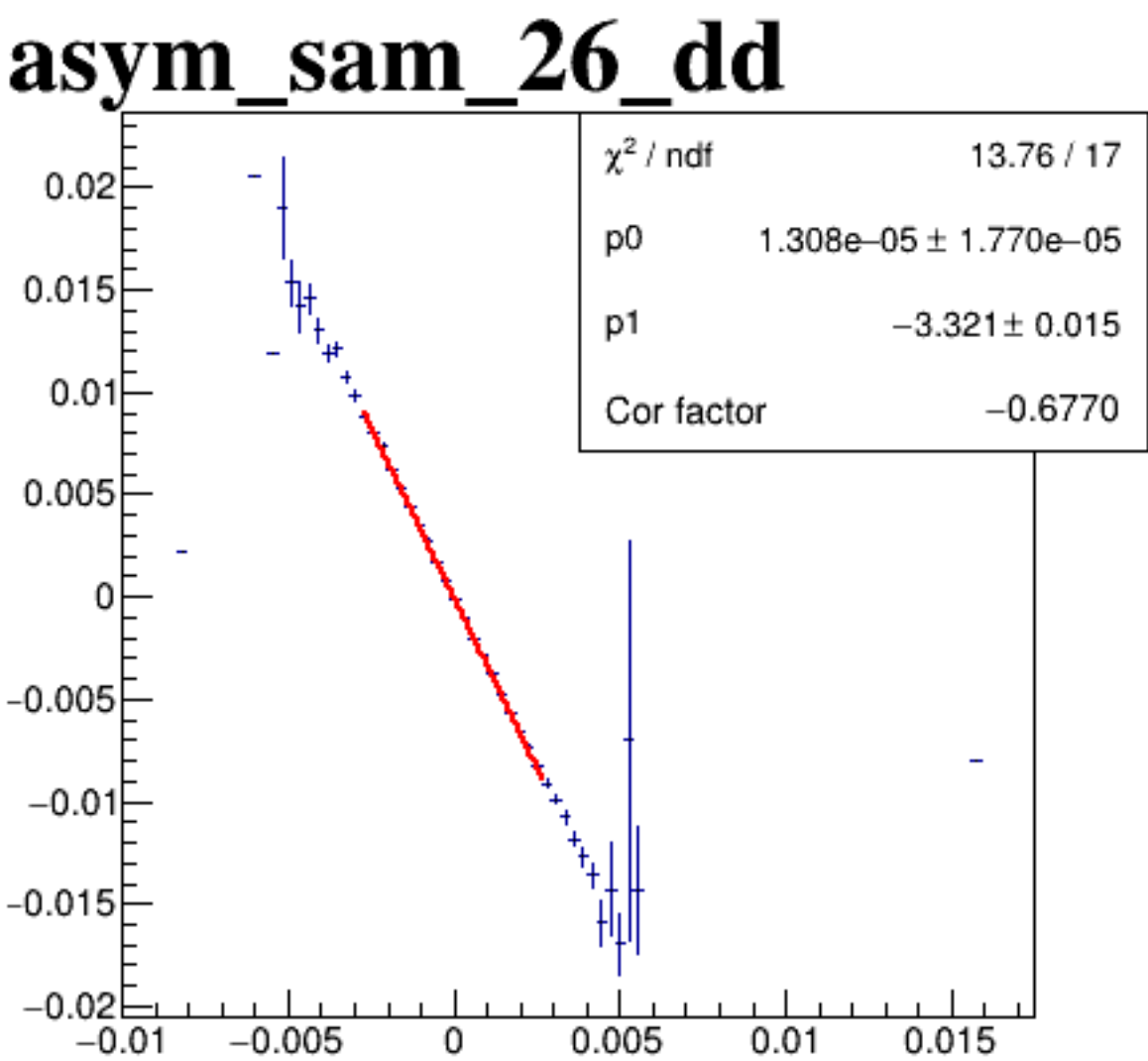
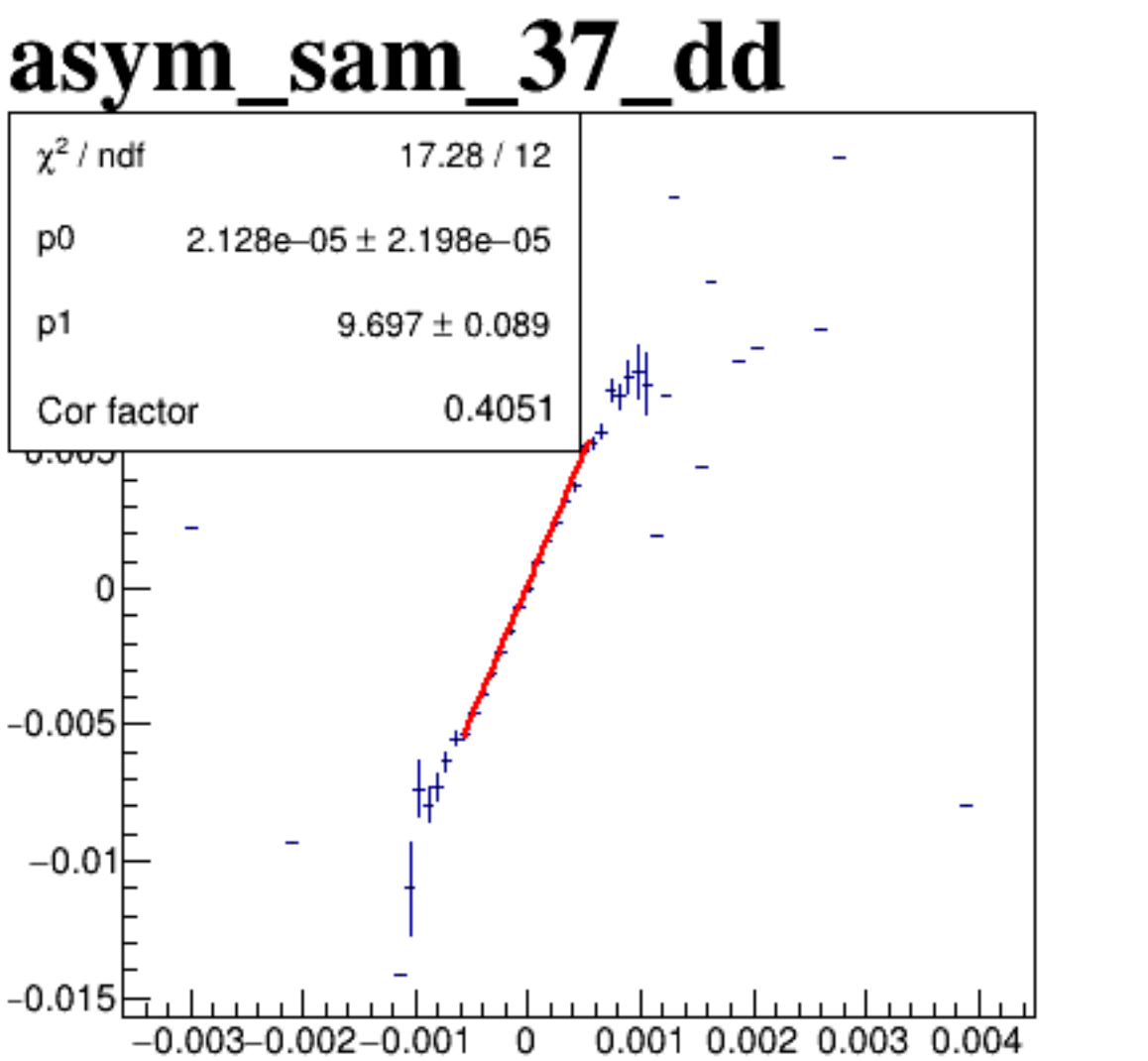
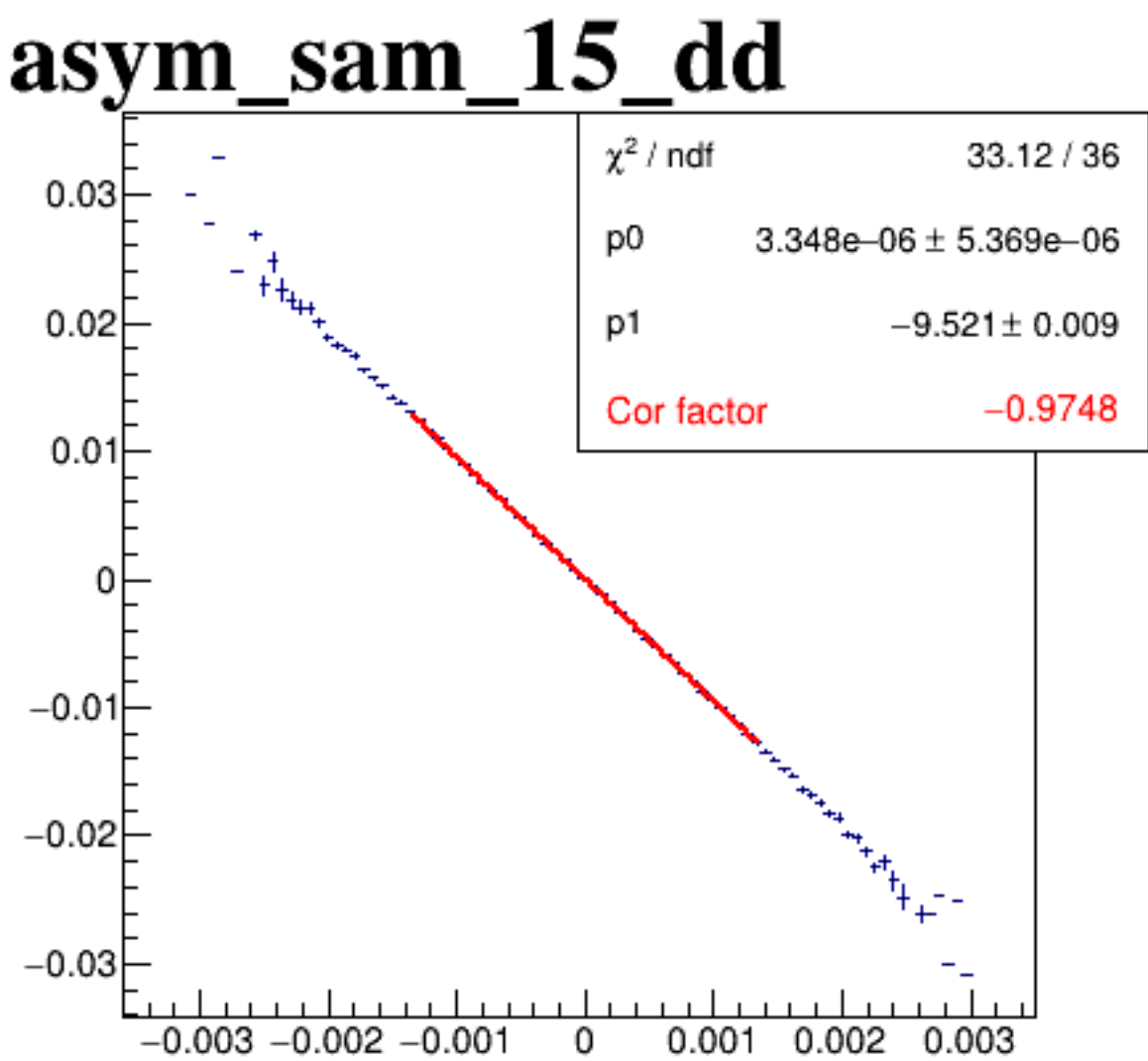
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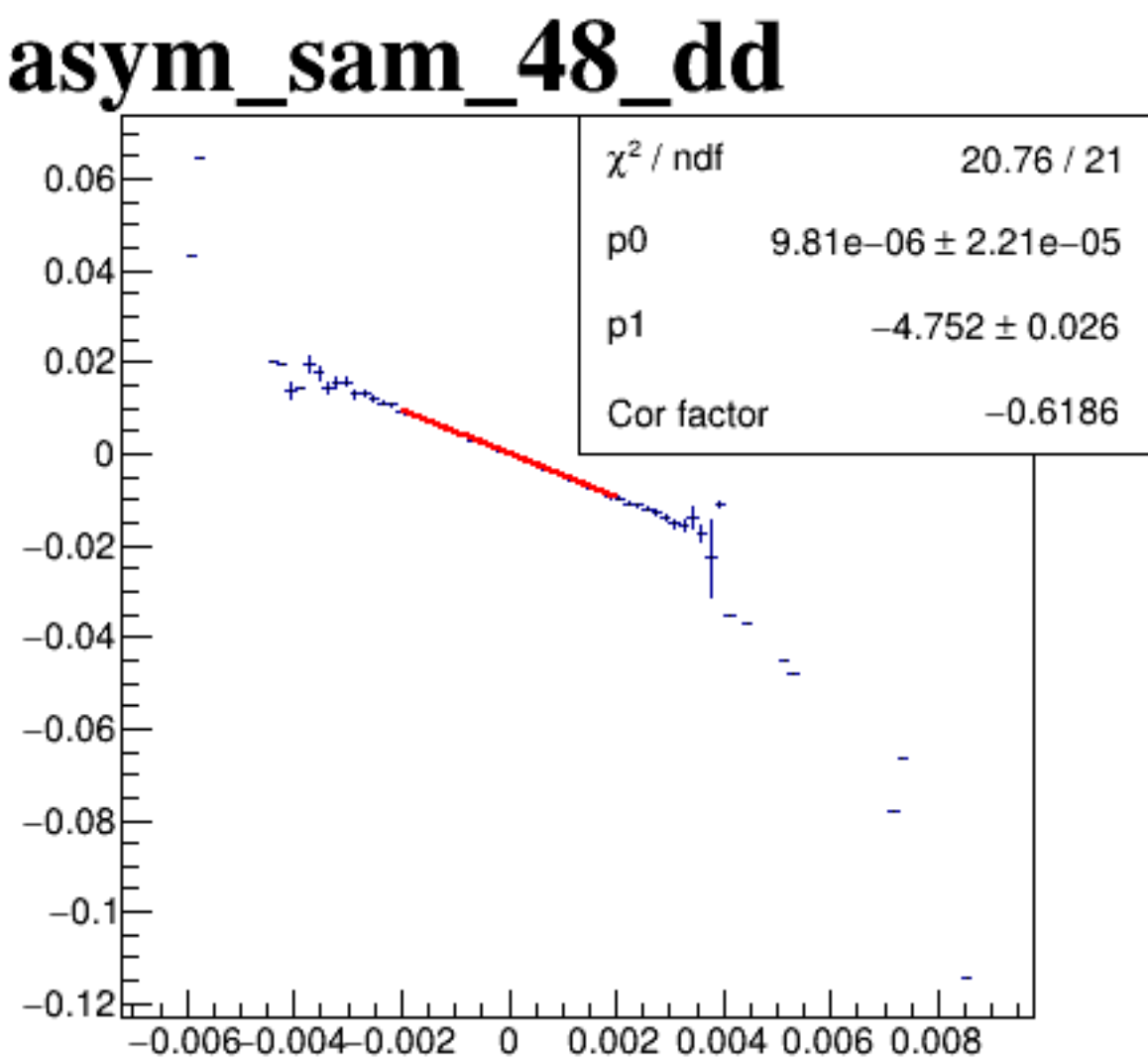
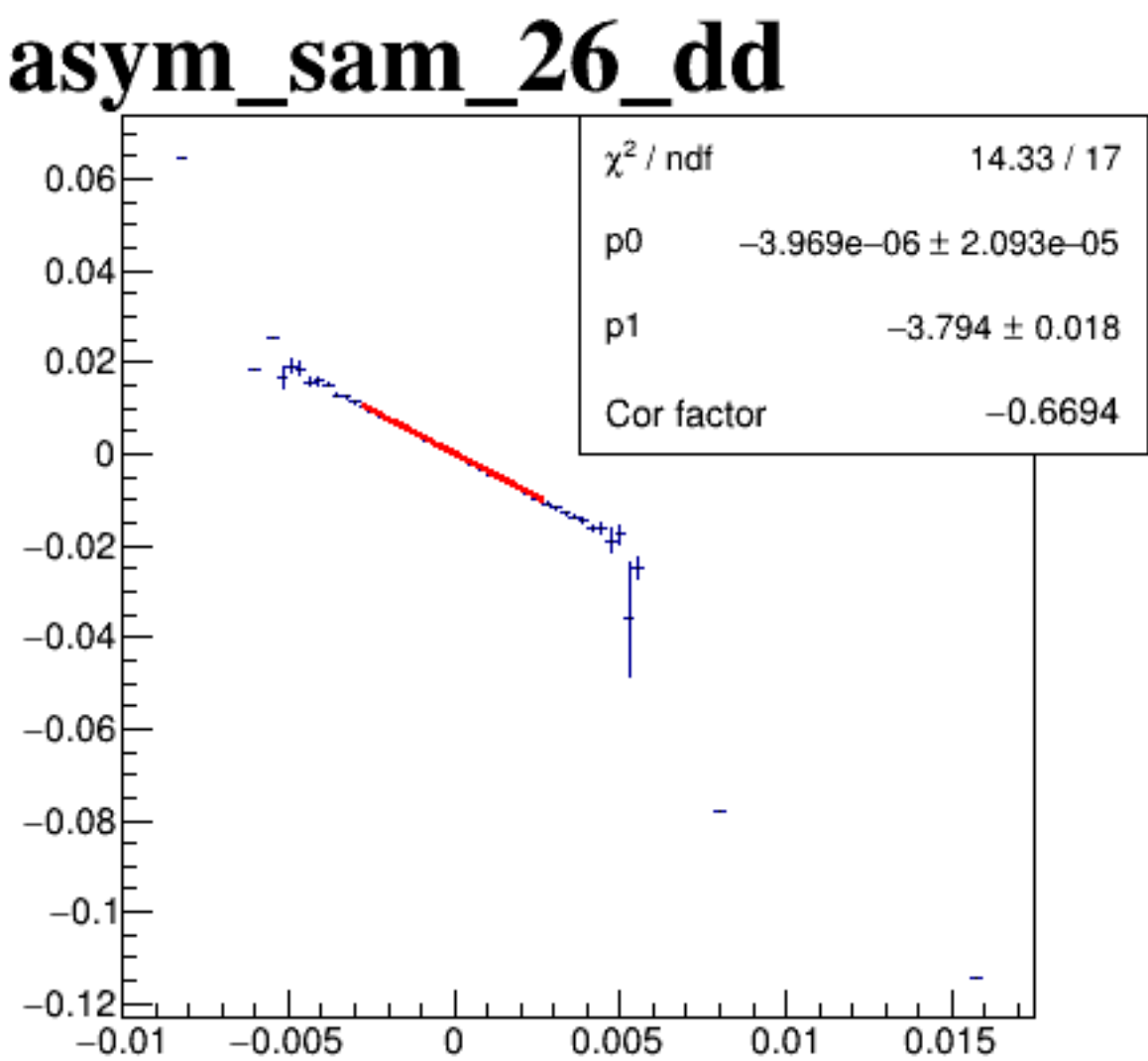
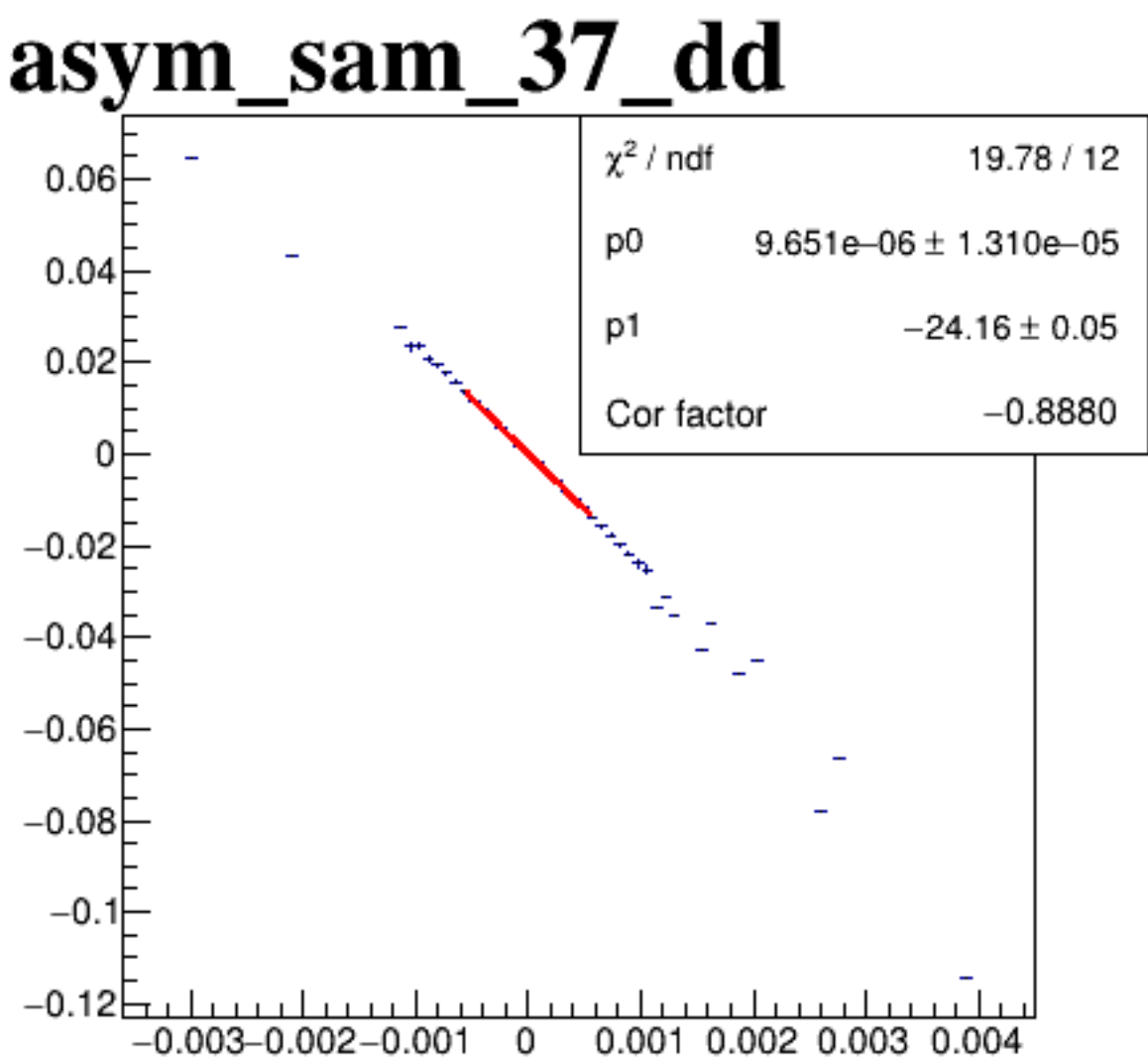
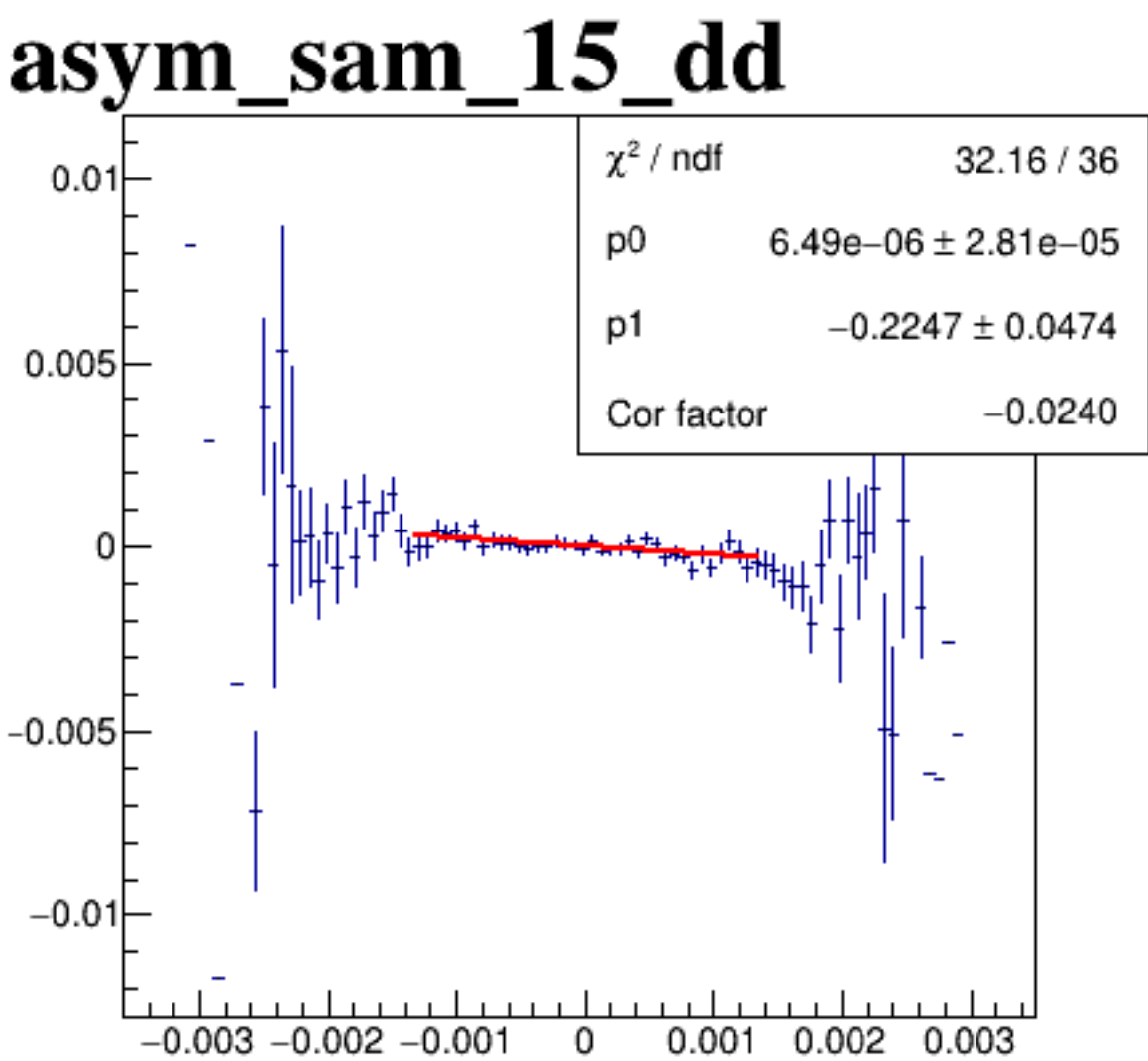
diff\_bpm4aX



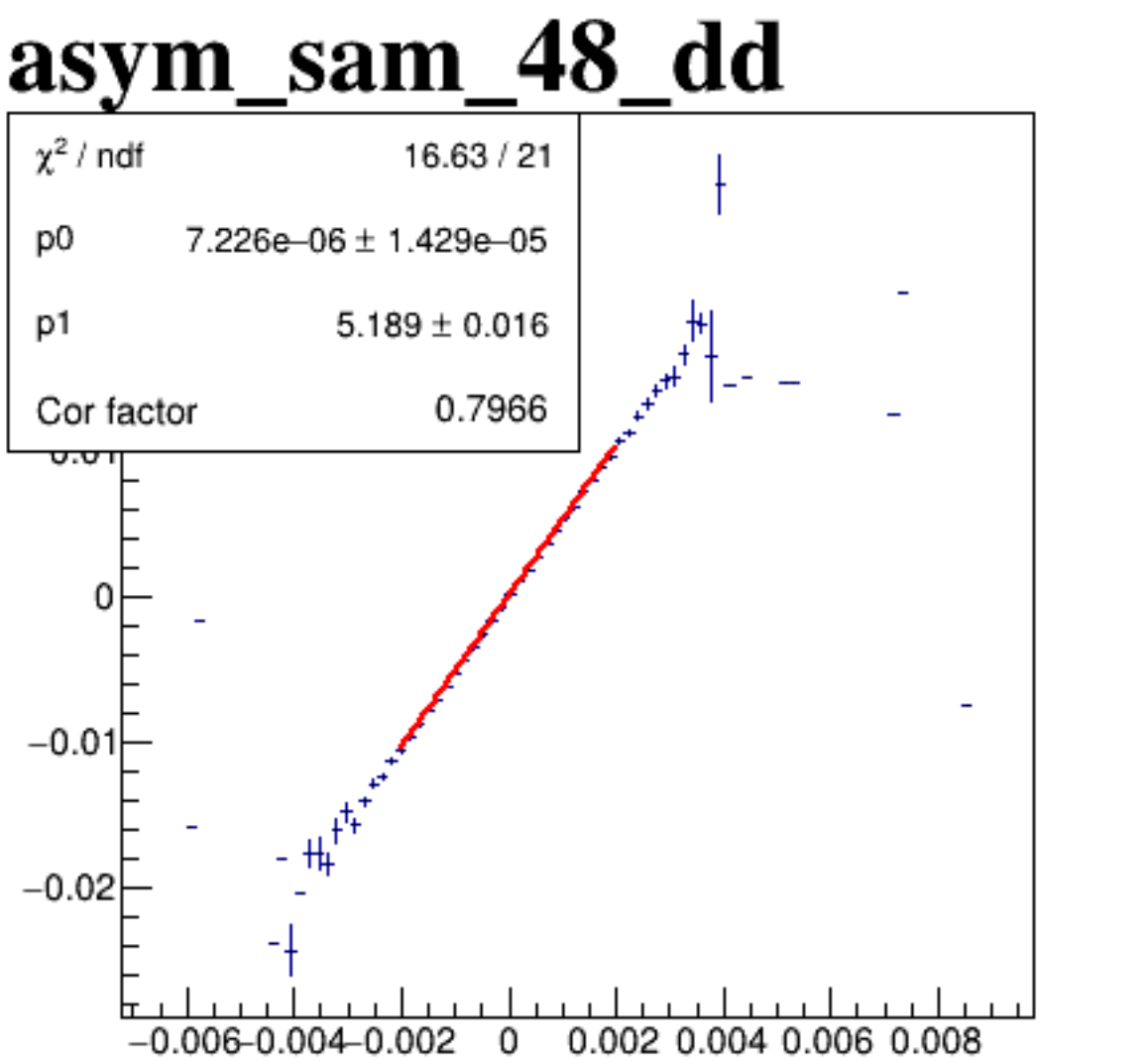
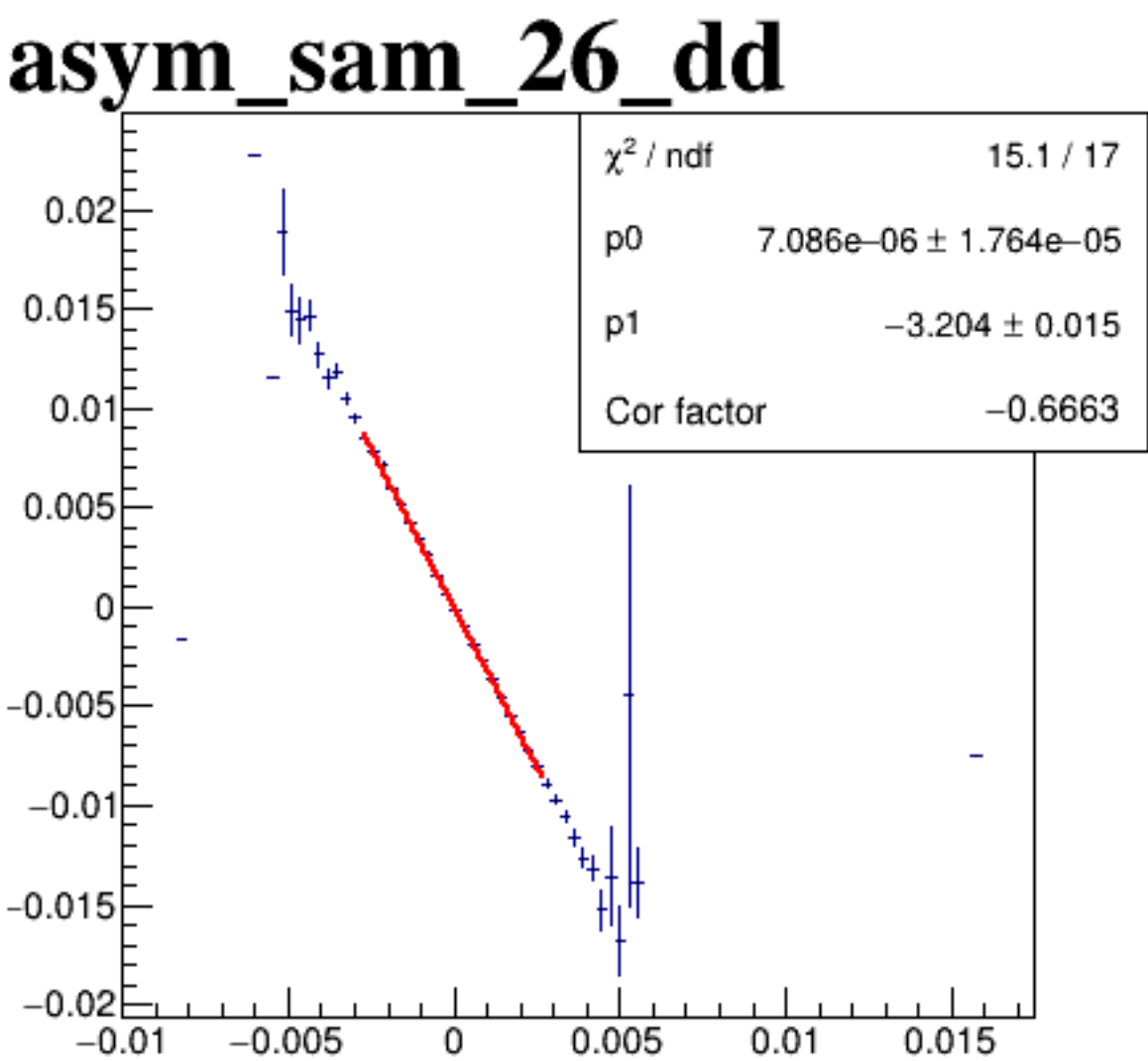
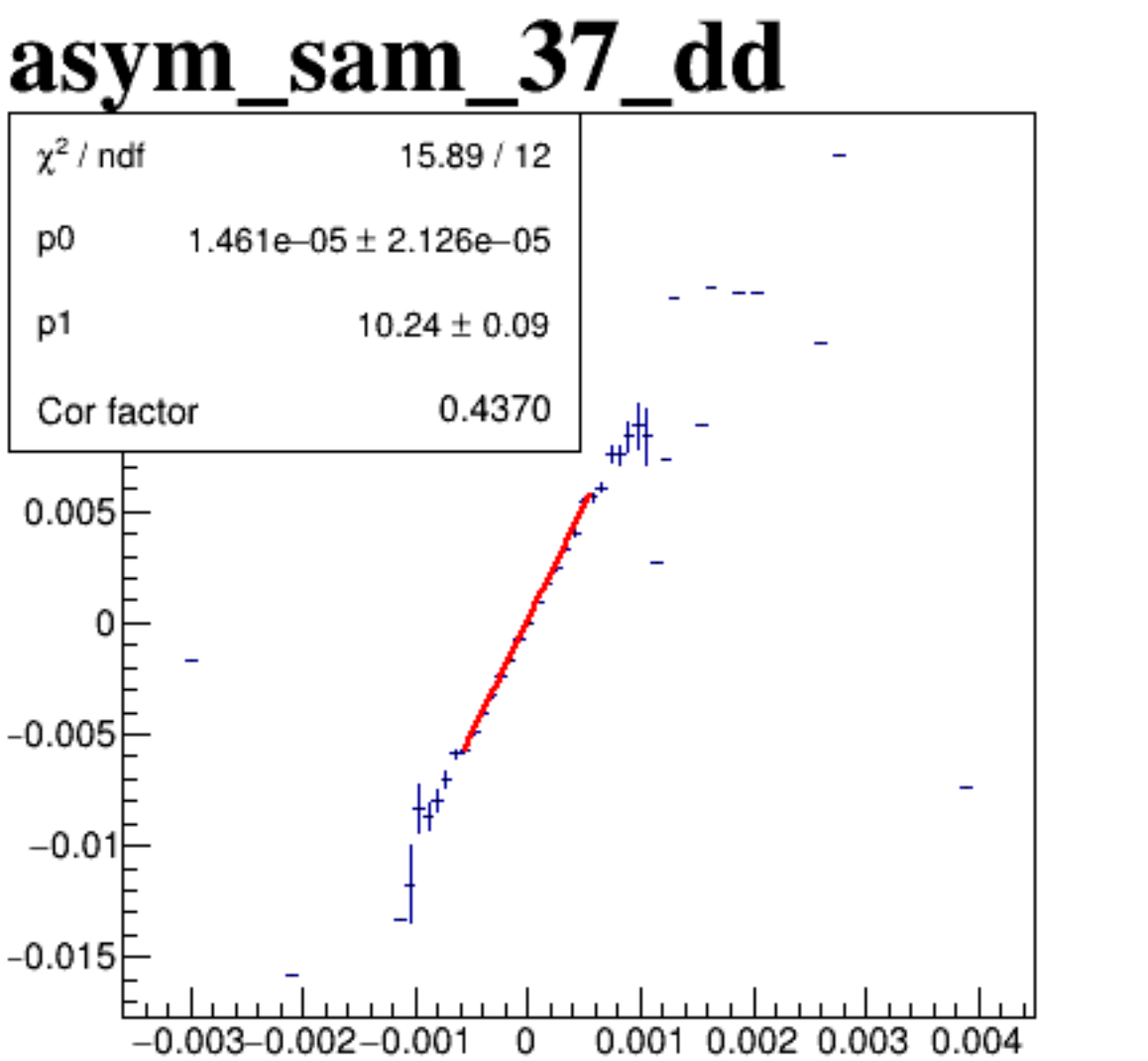
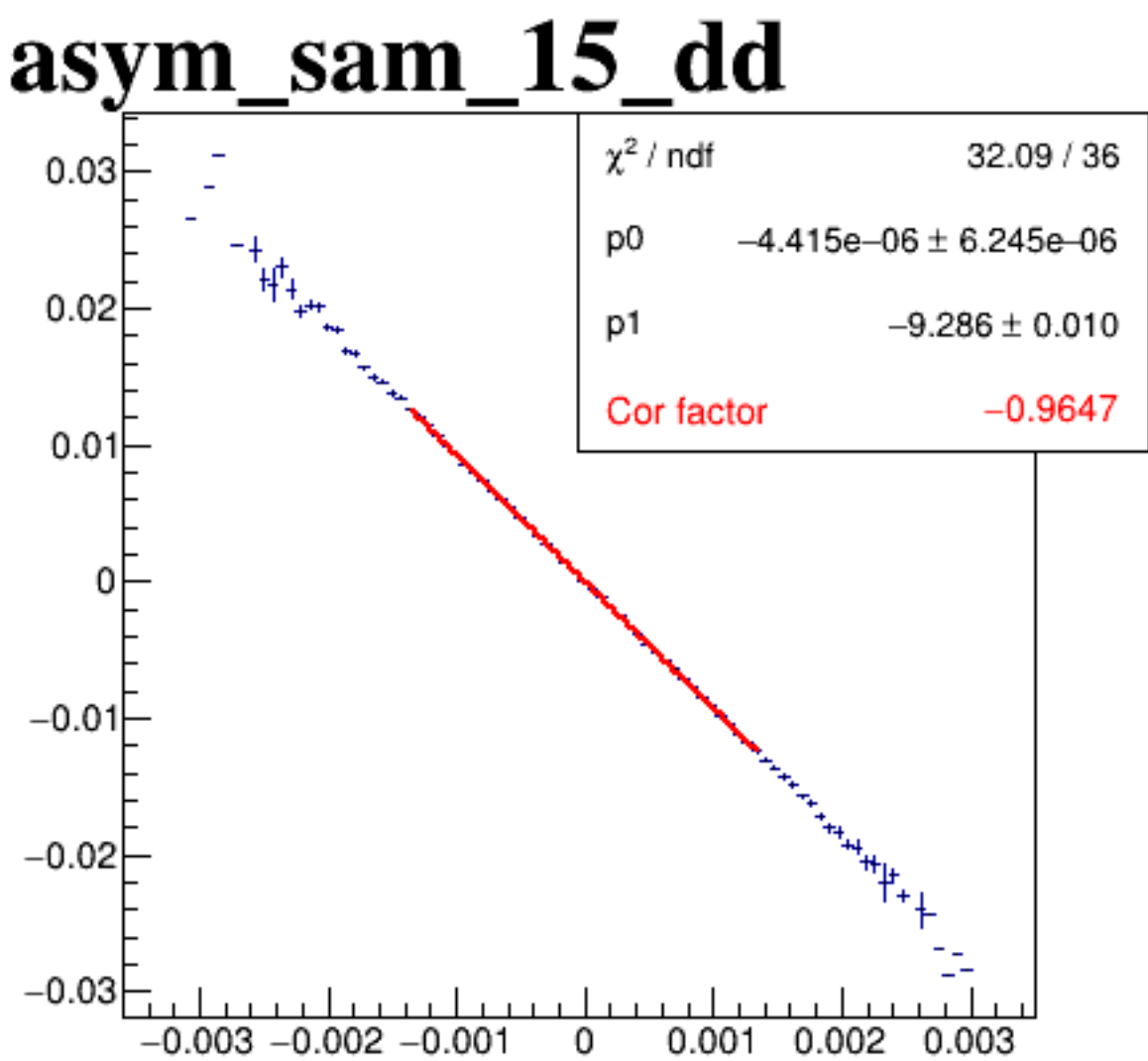
diff\_bpm4aY



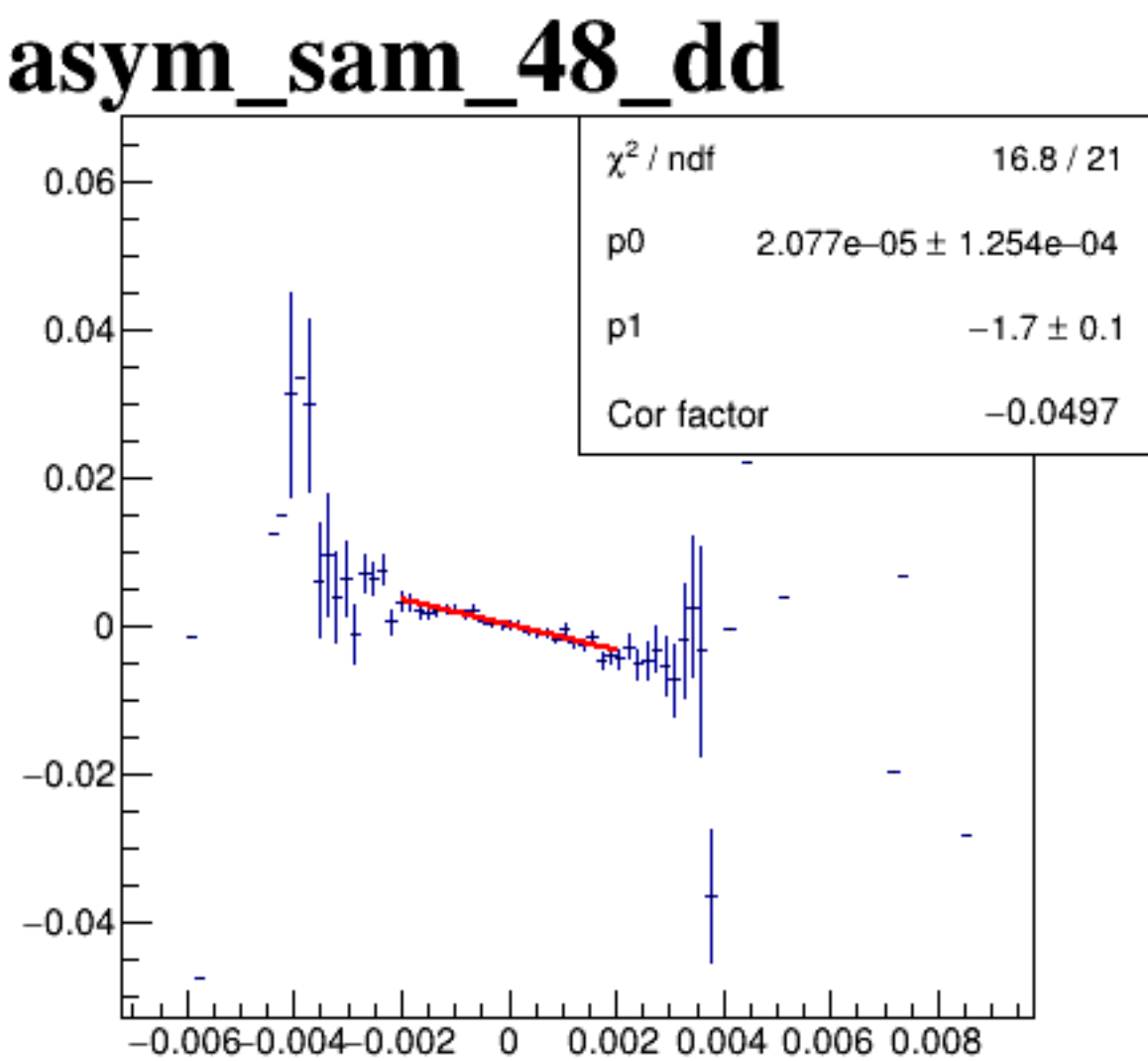
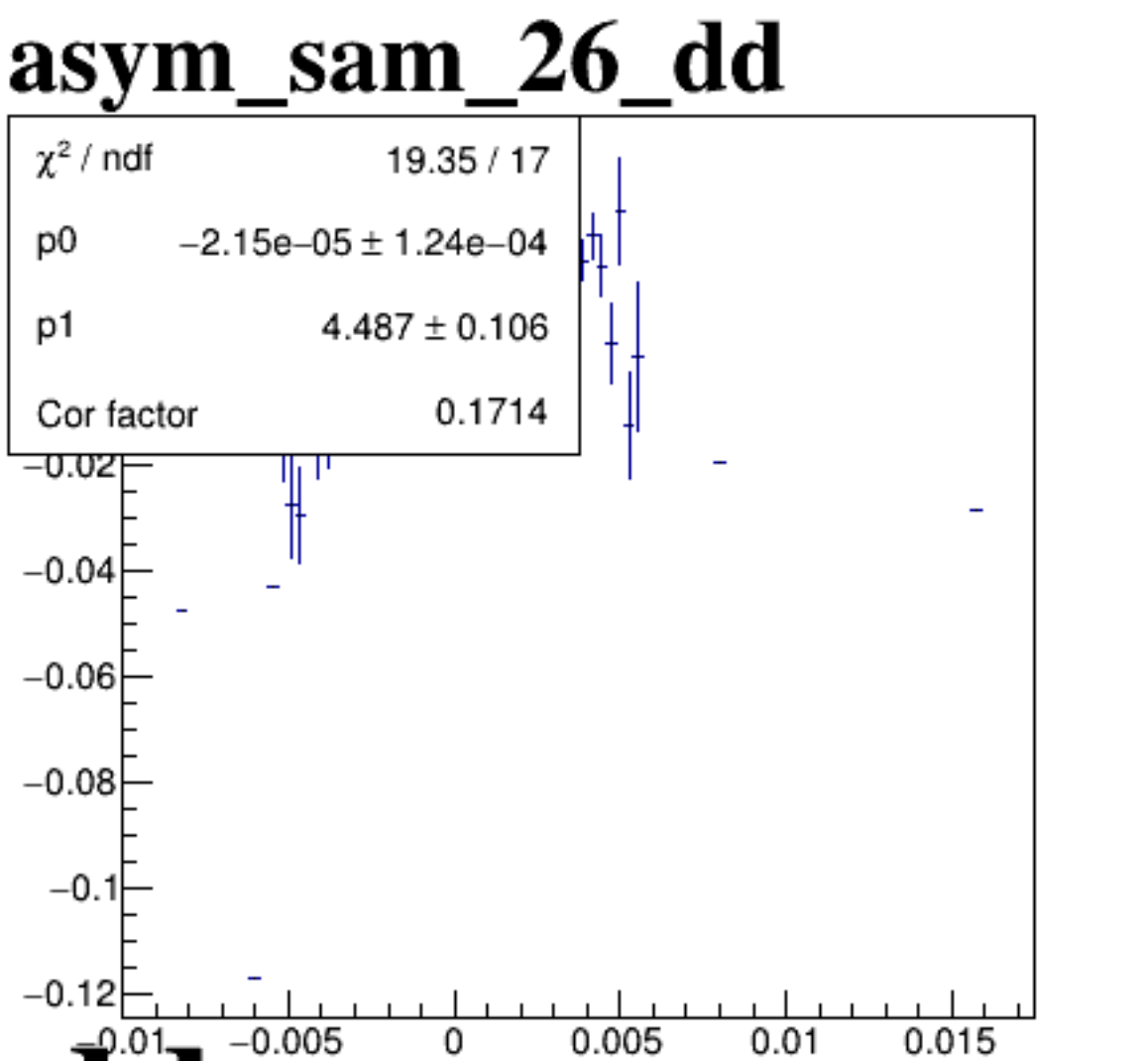
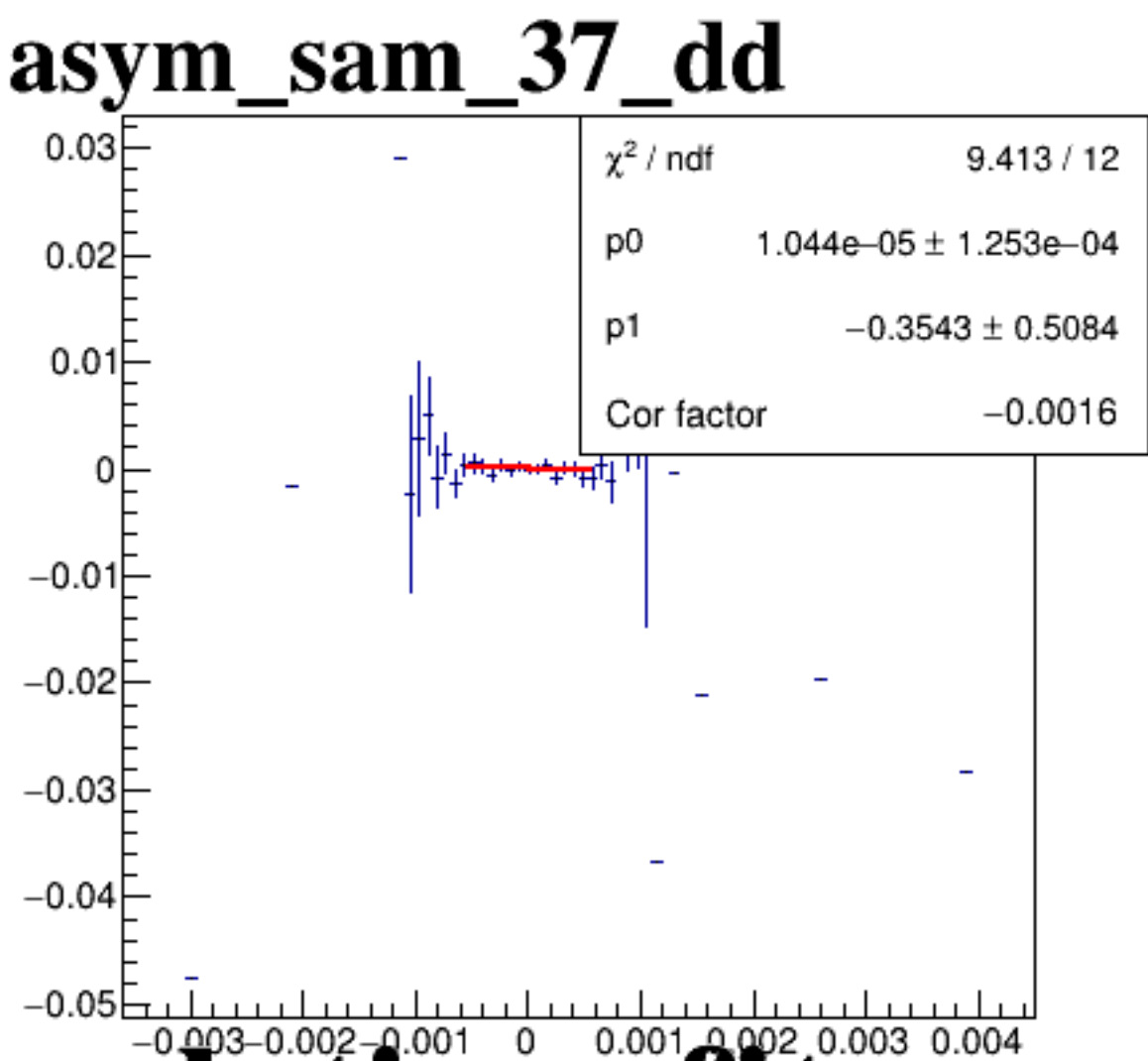
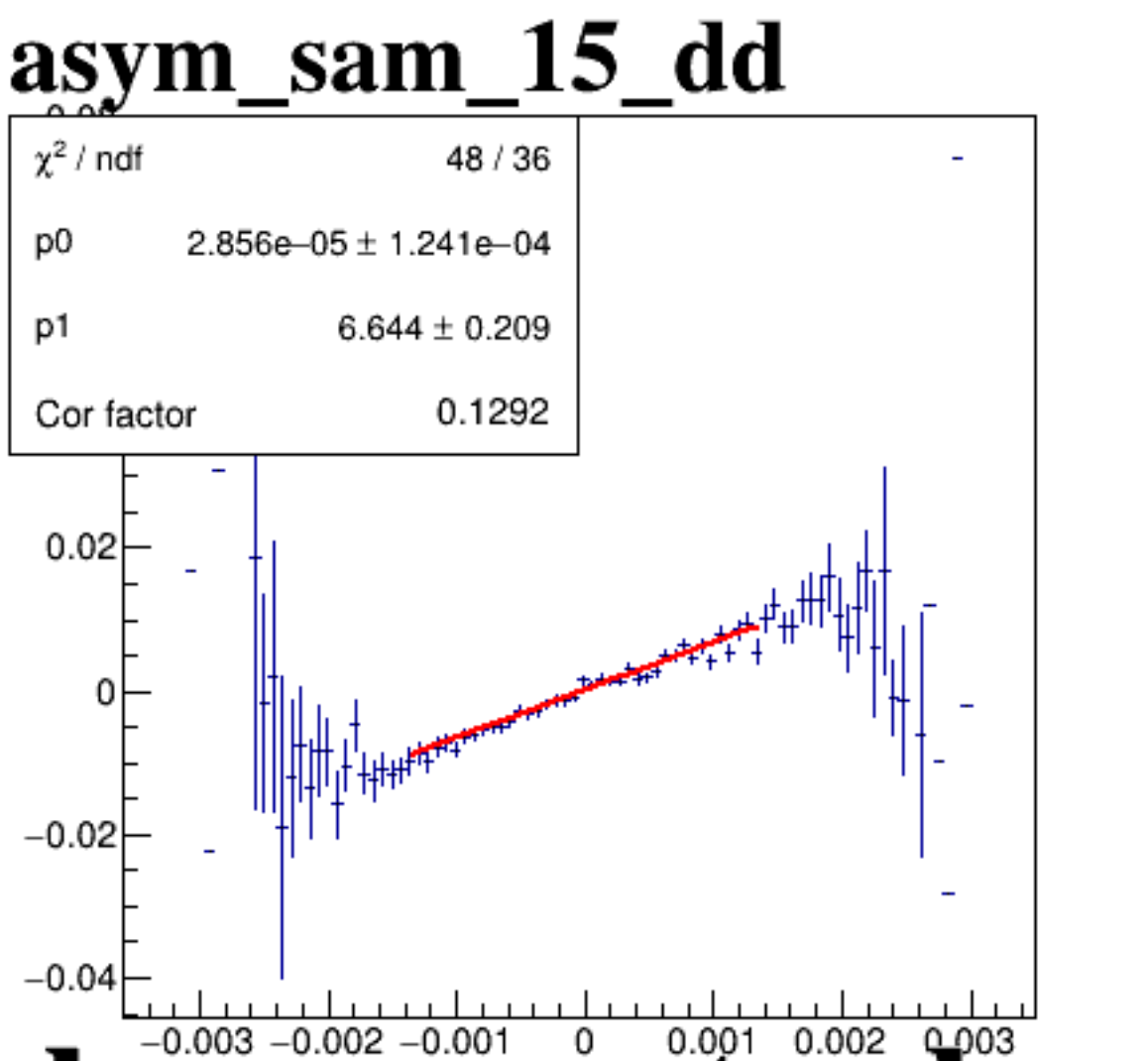
diff\_bpm4eX



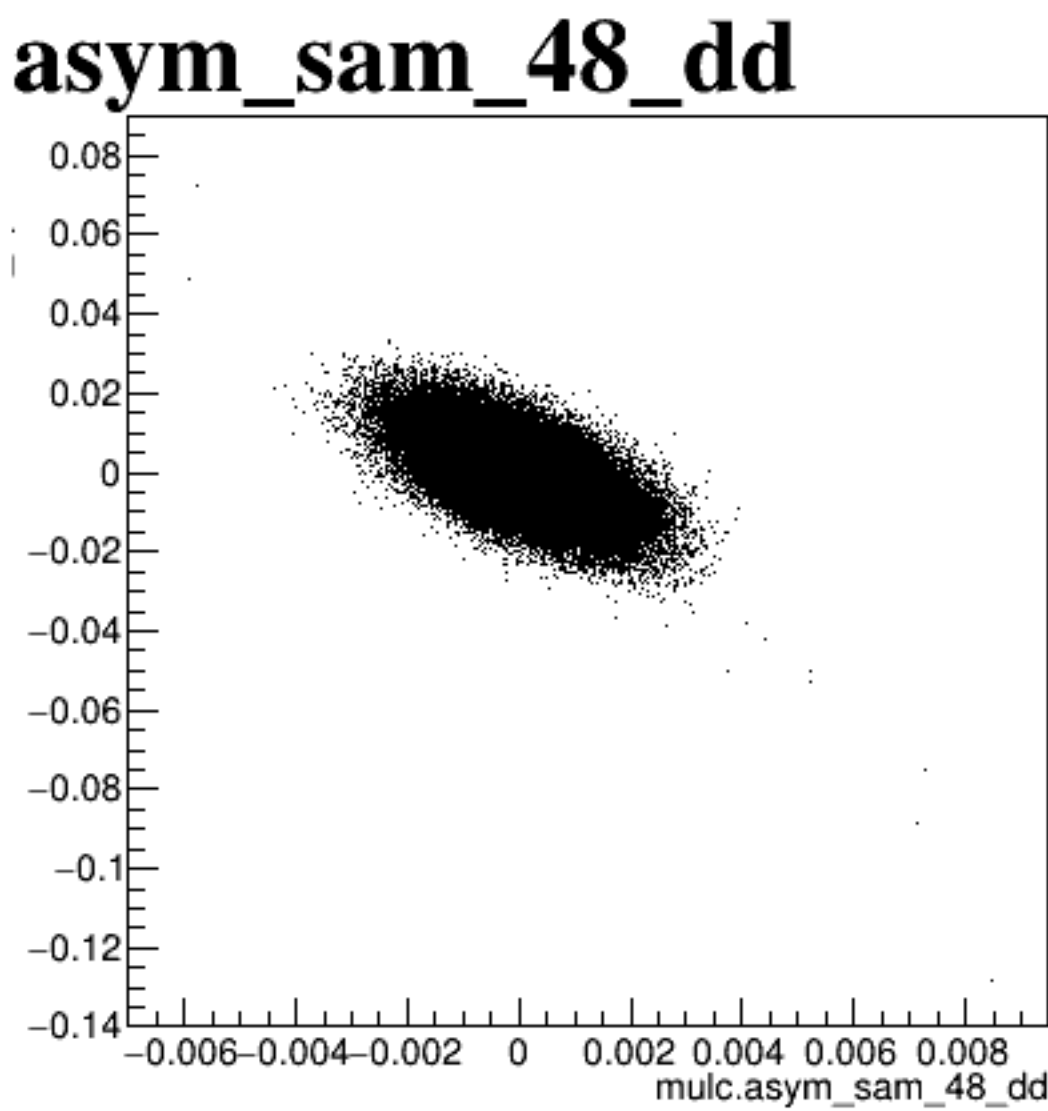
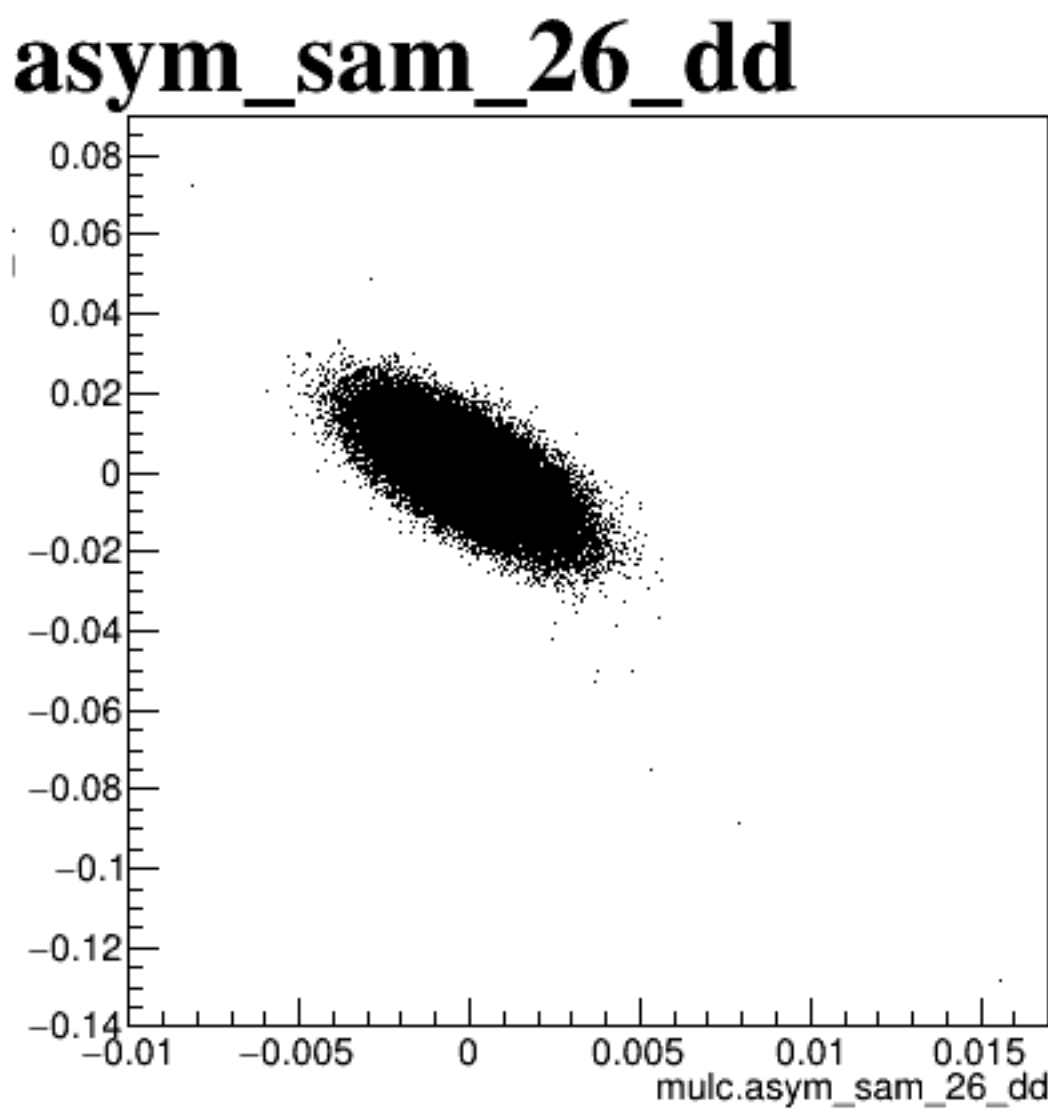
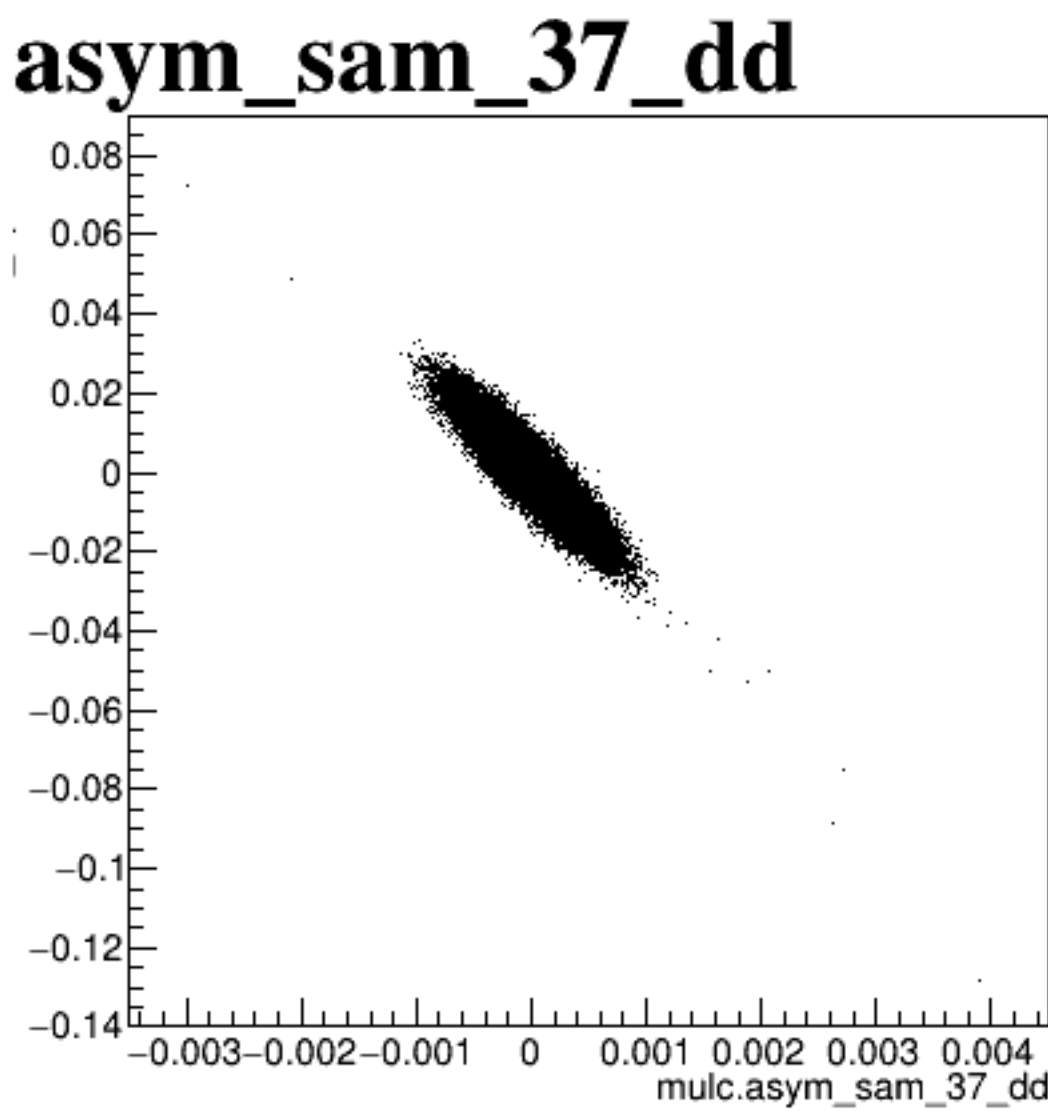
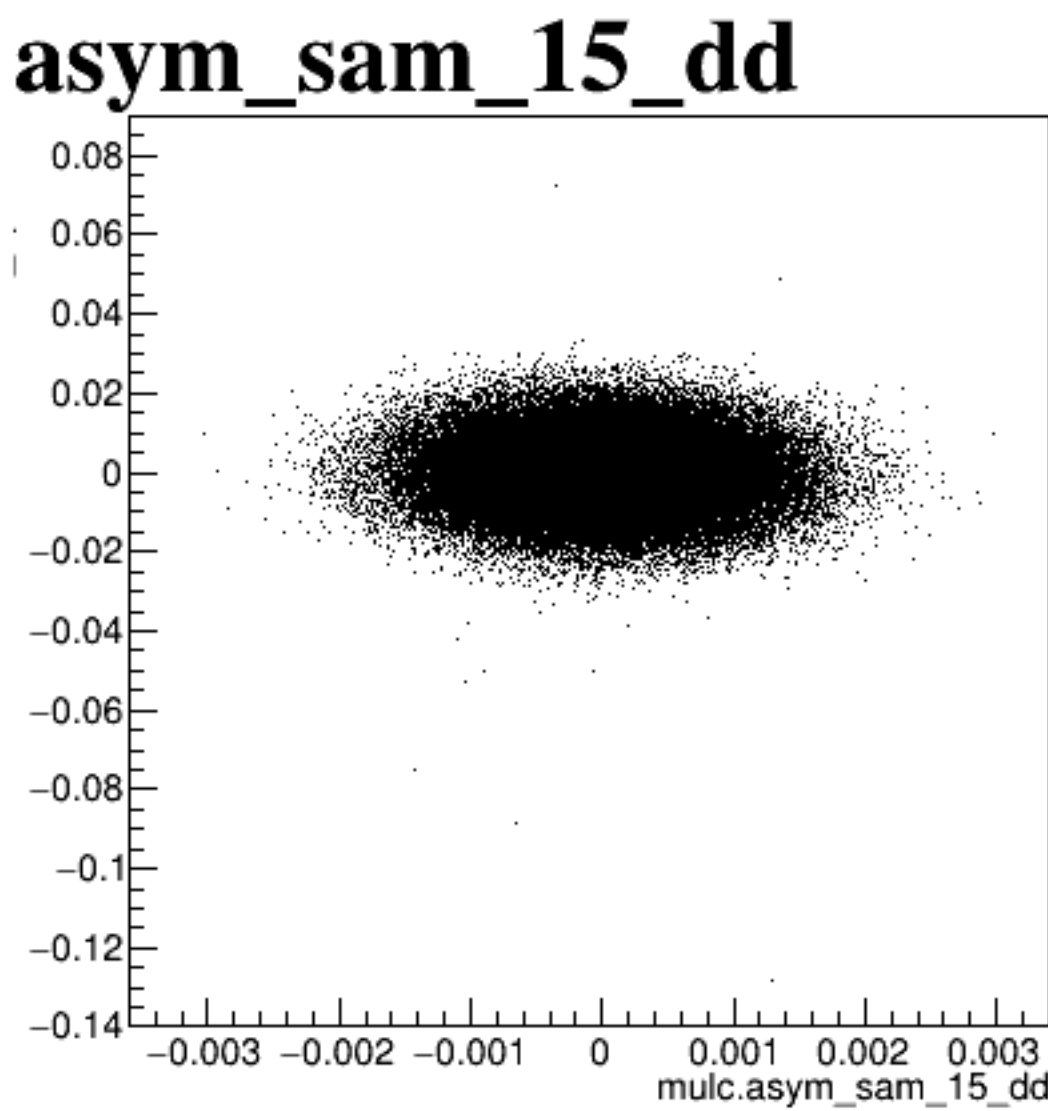
diff\_bpm4eY



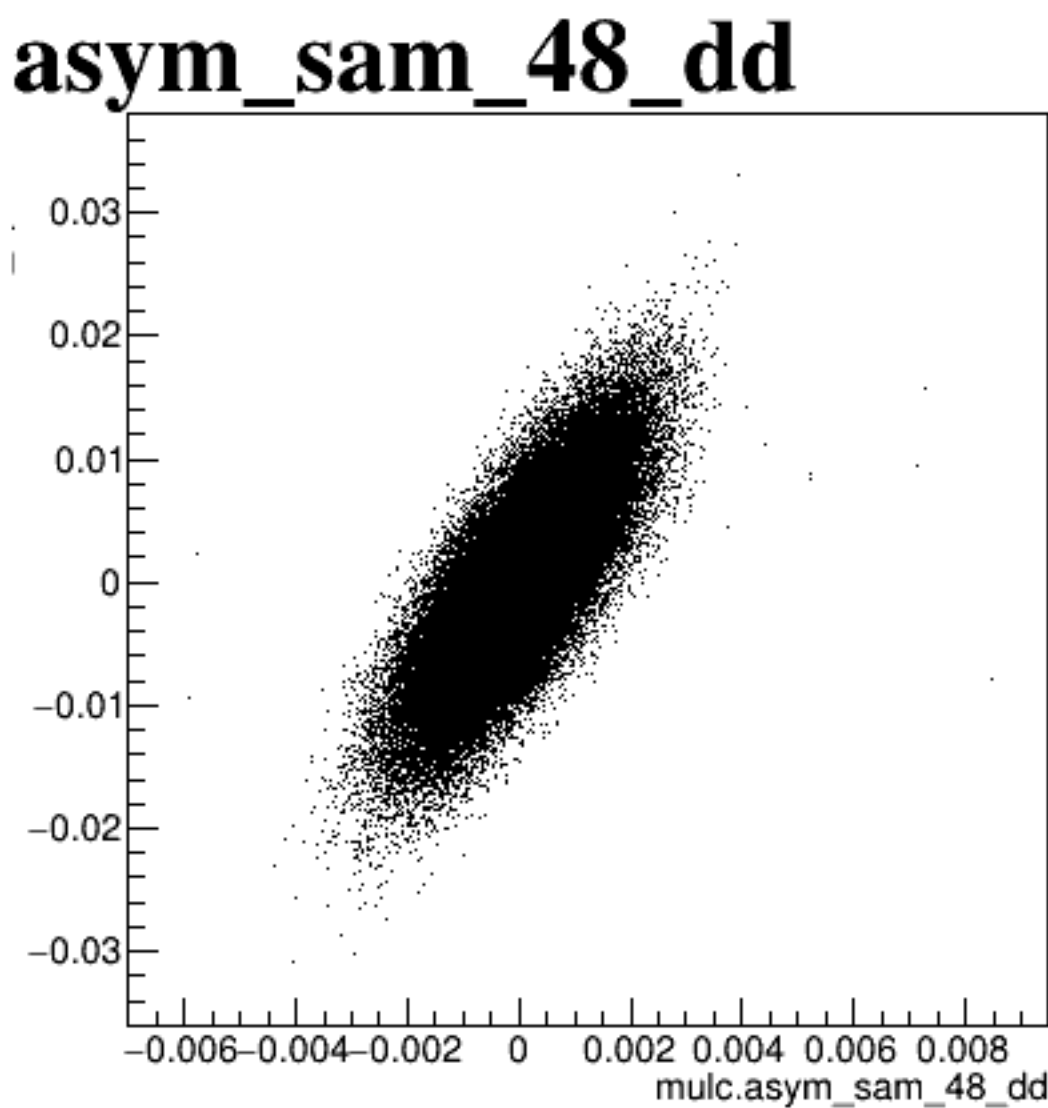
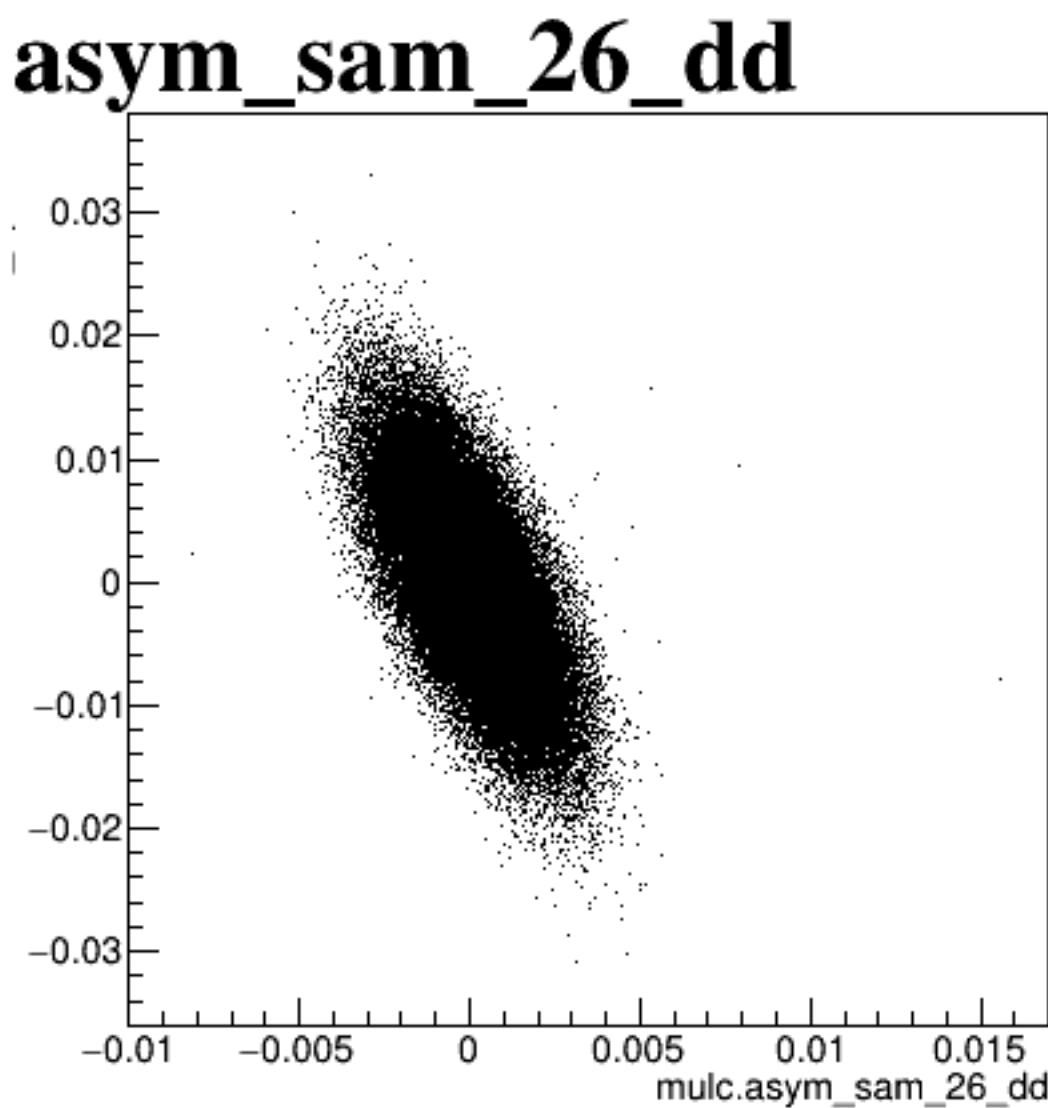
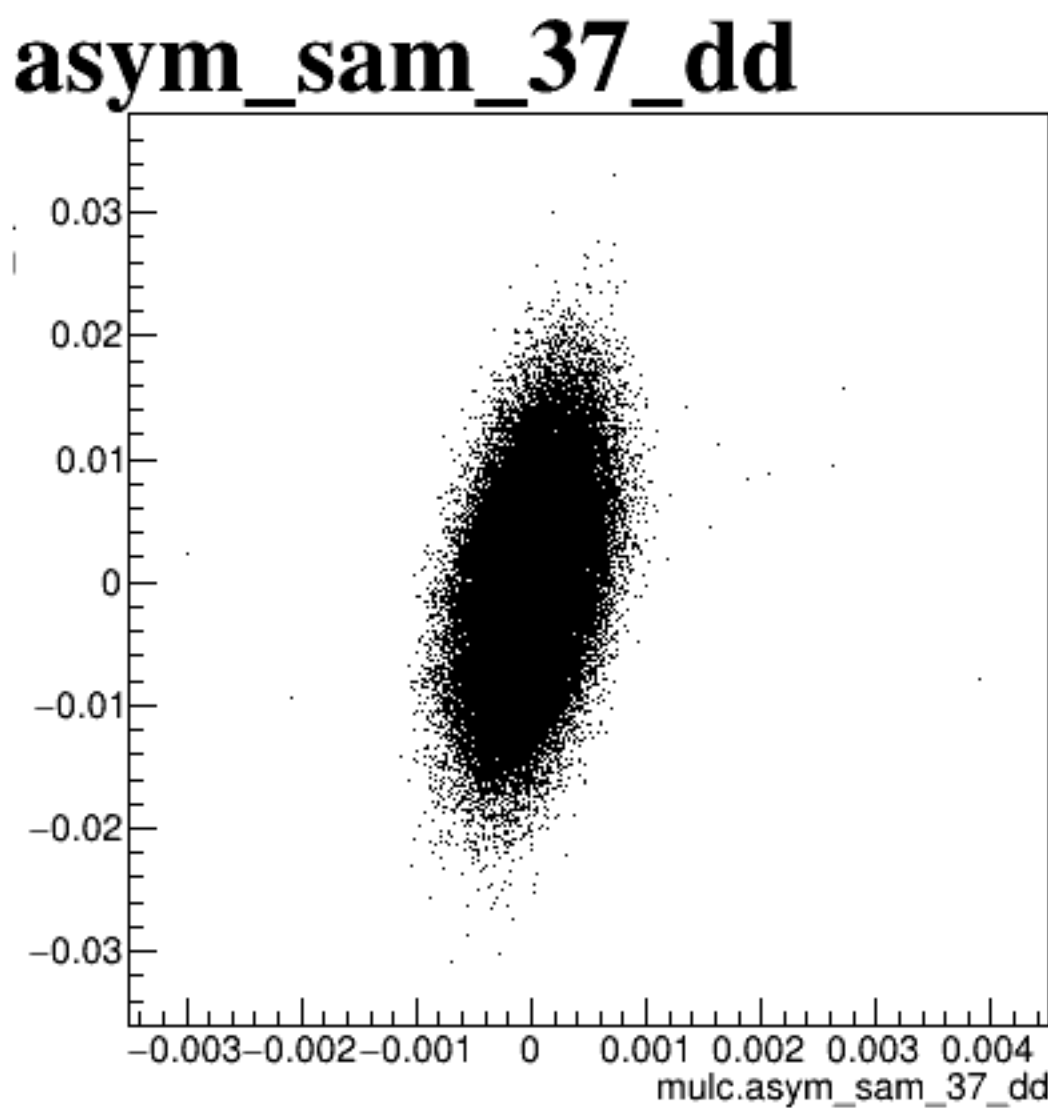
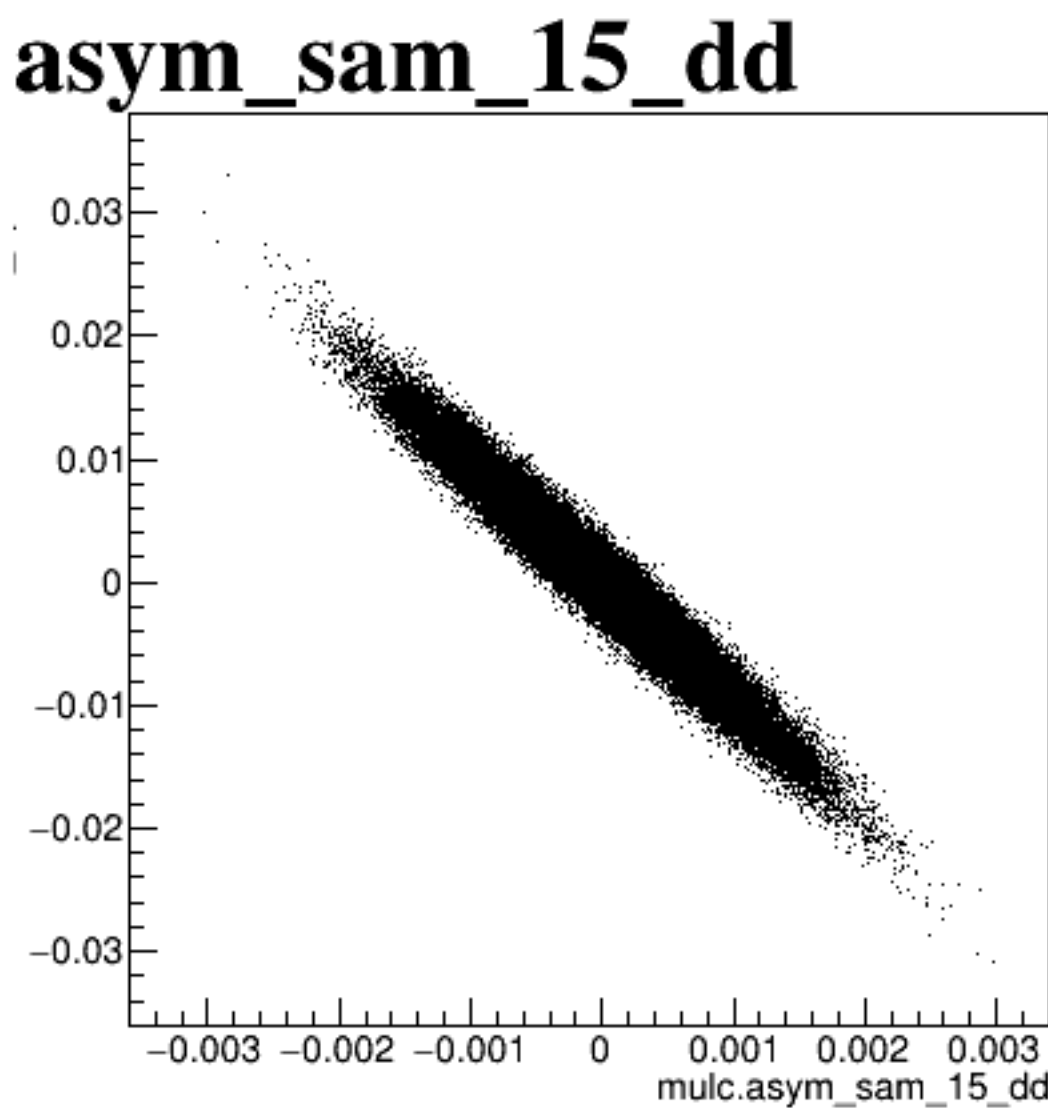
diff\_bpm12X



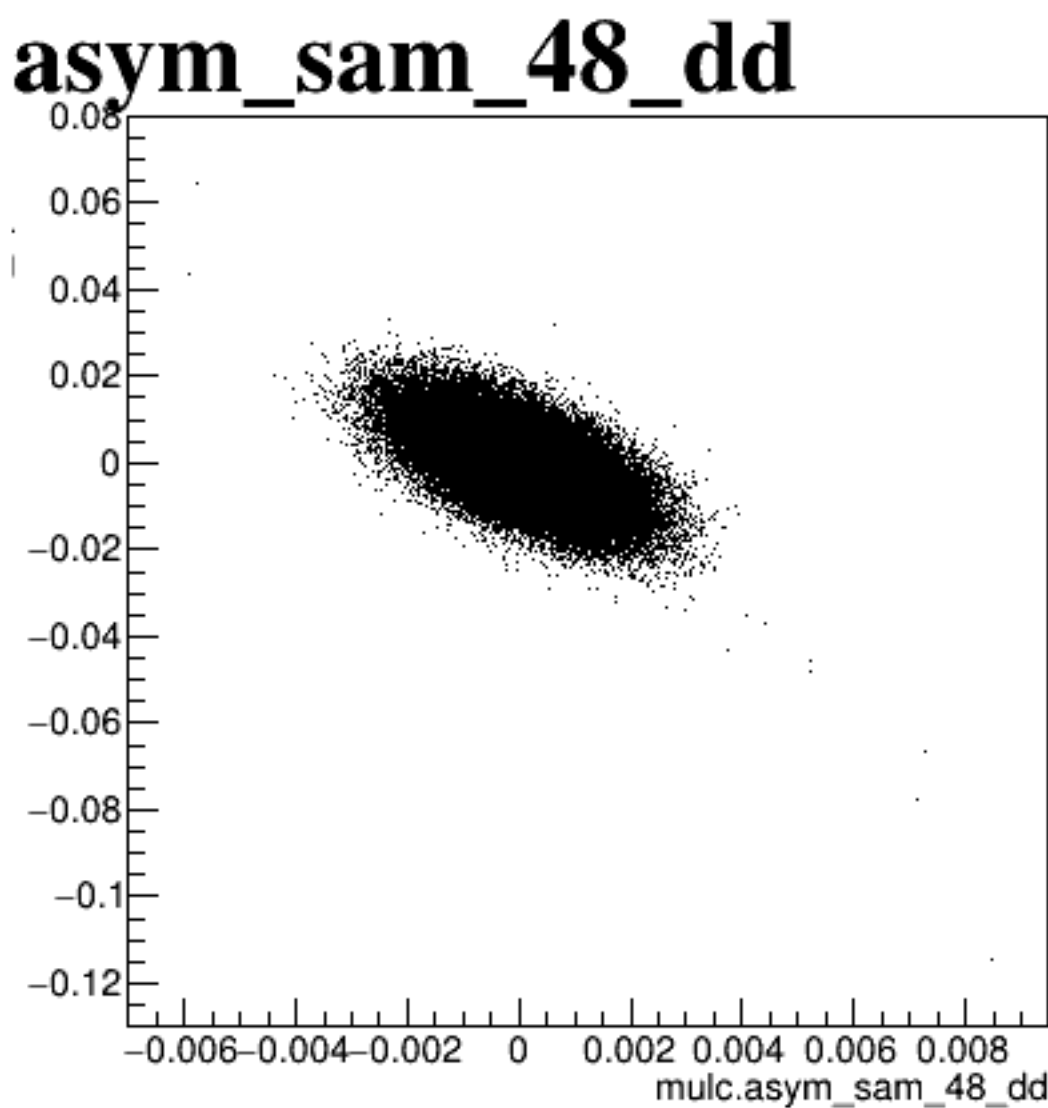
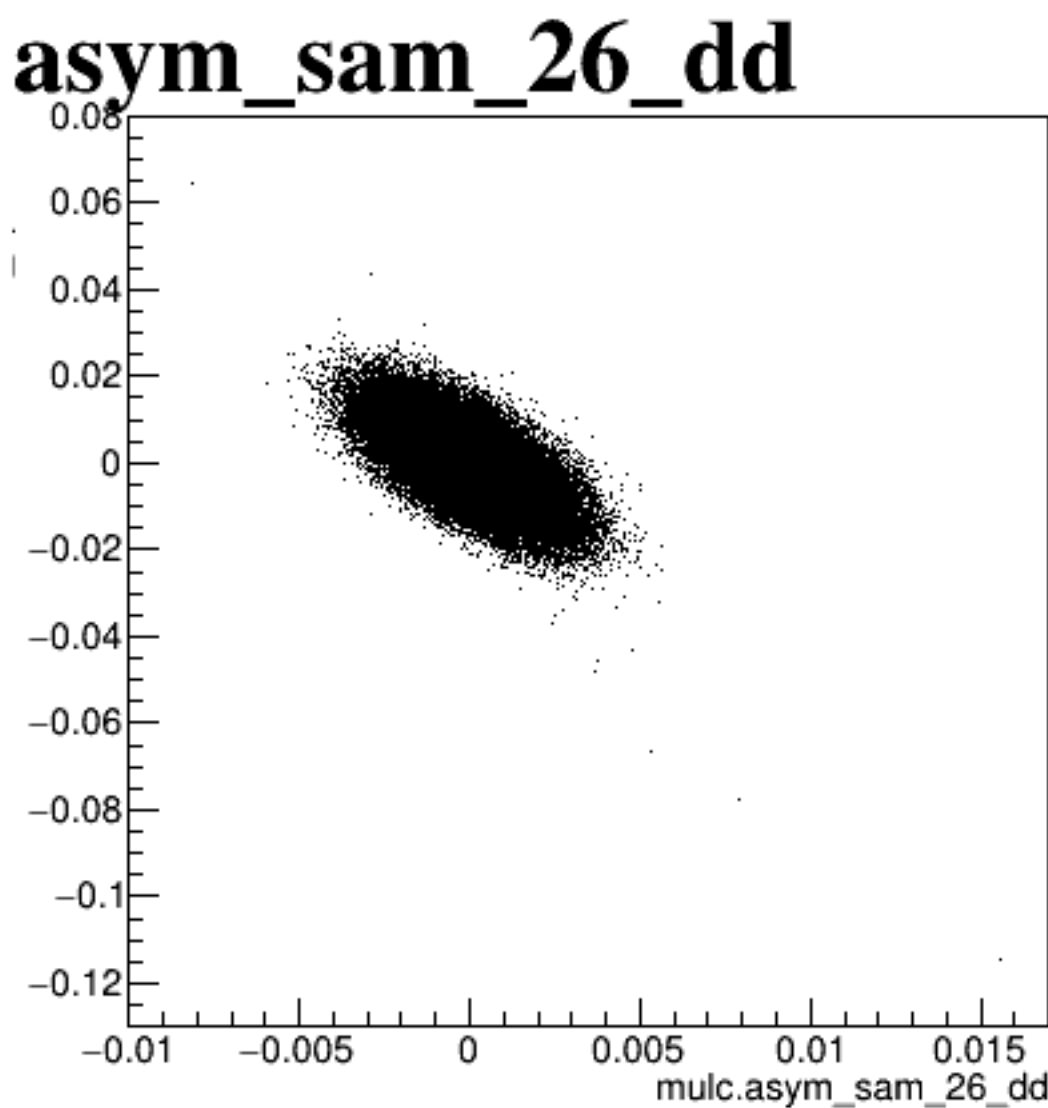
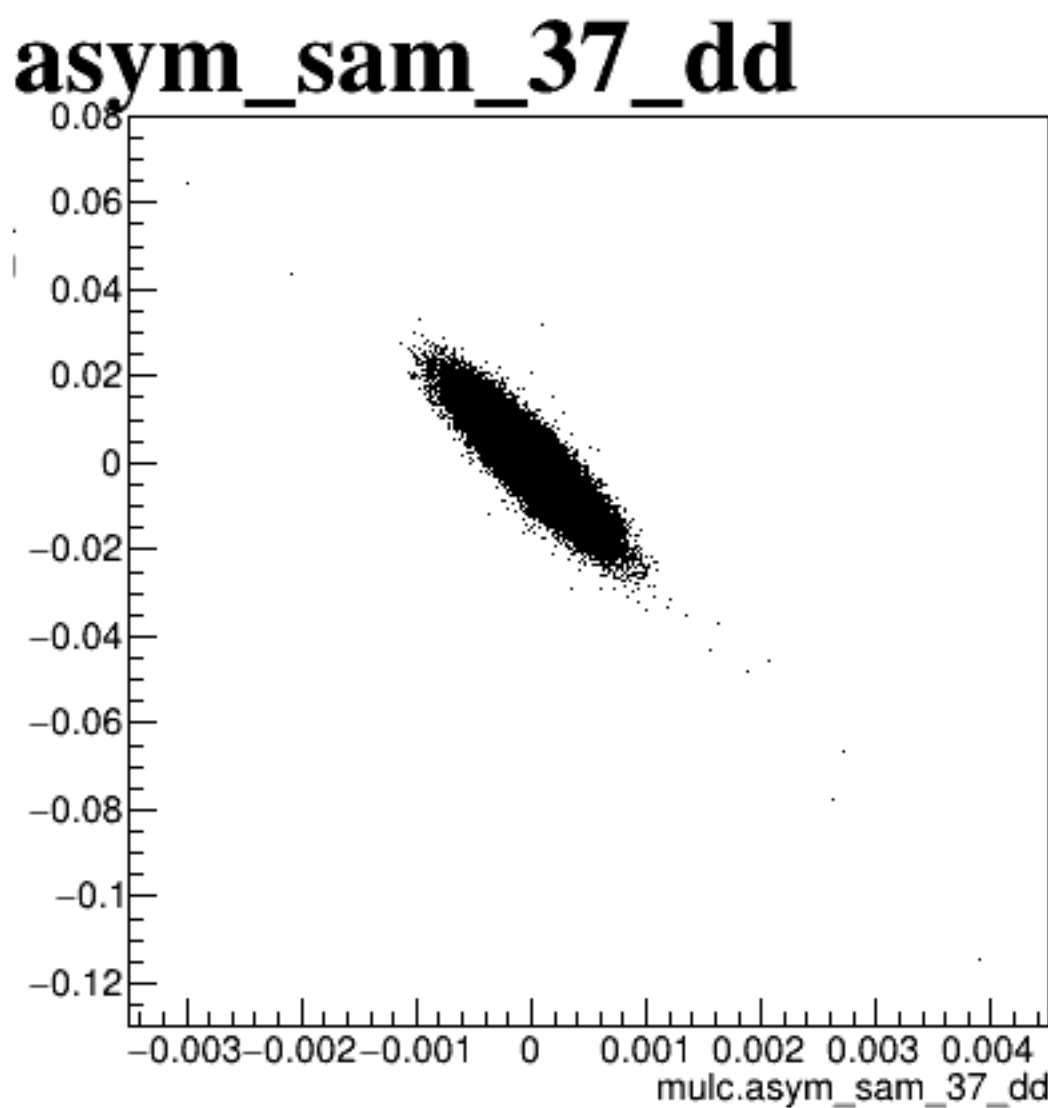
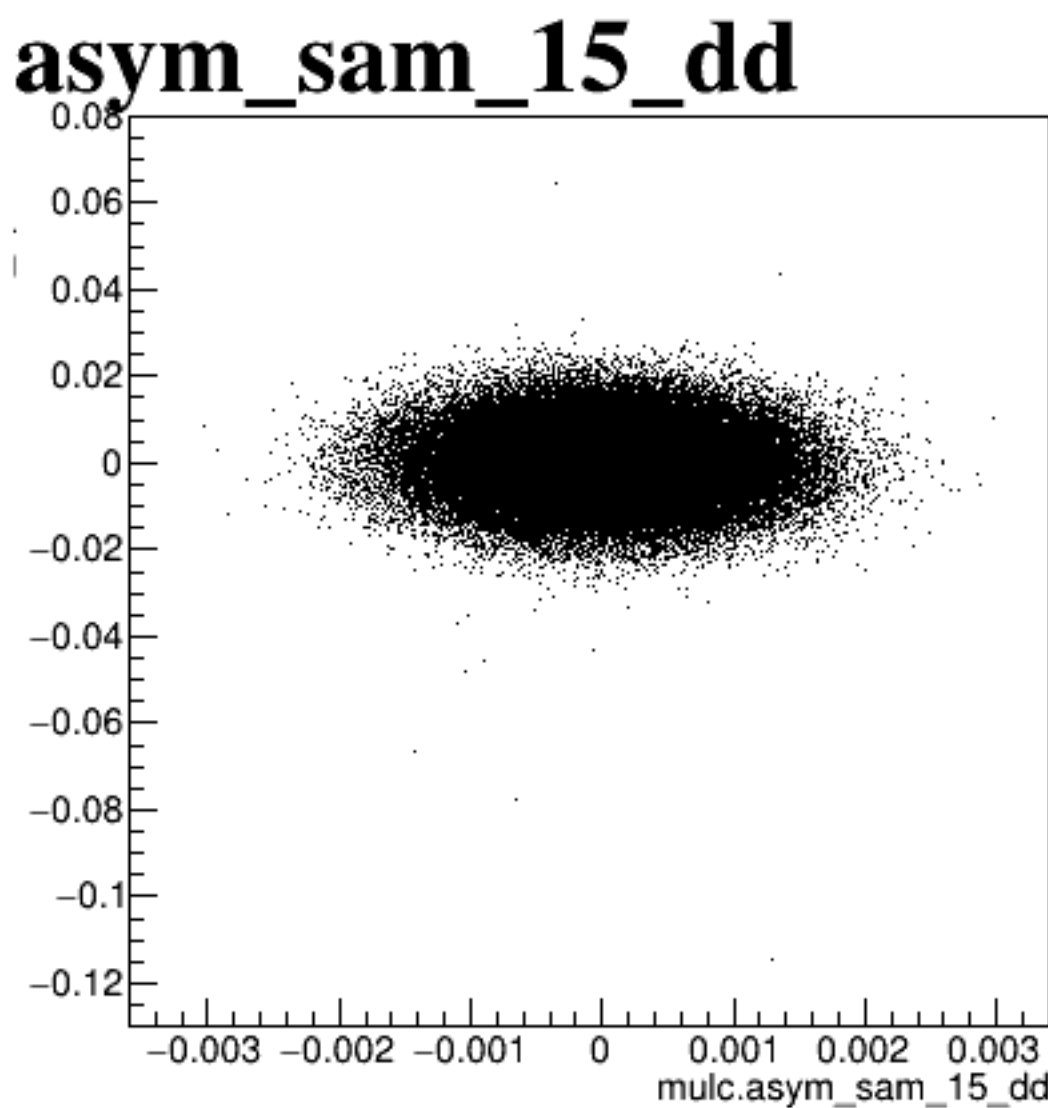
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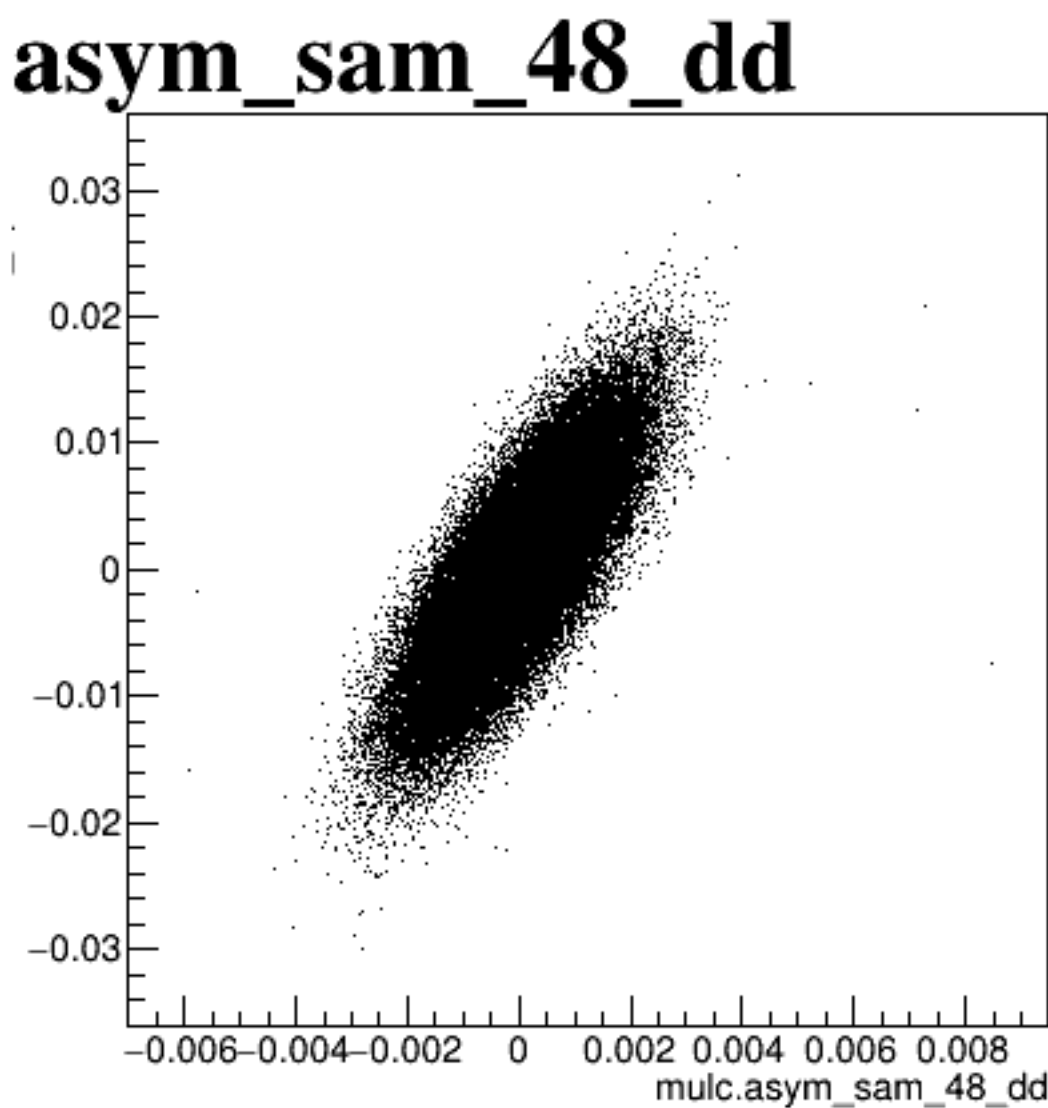
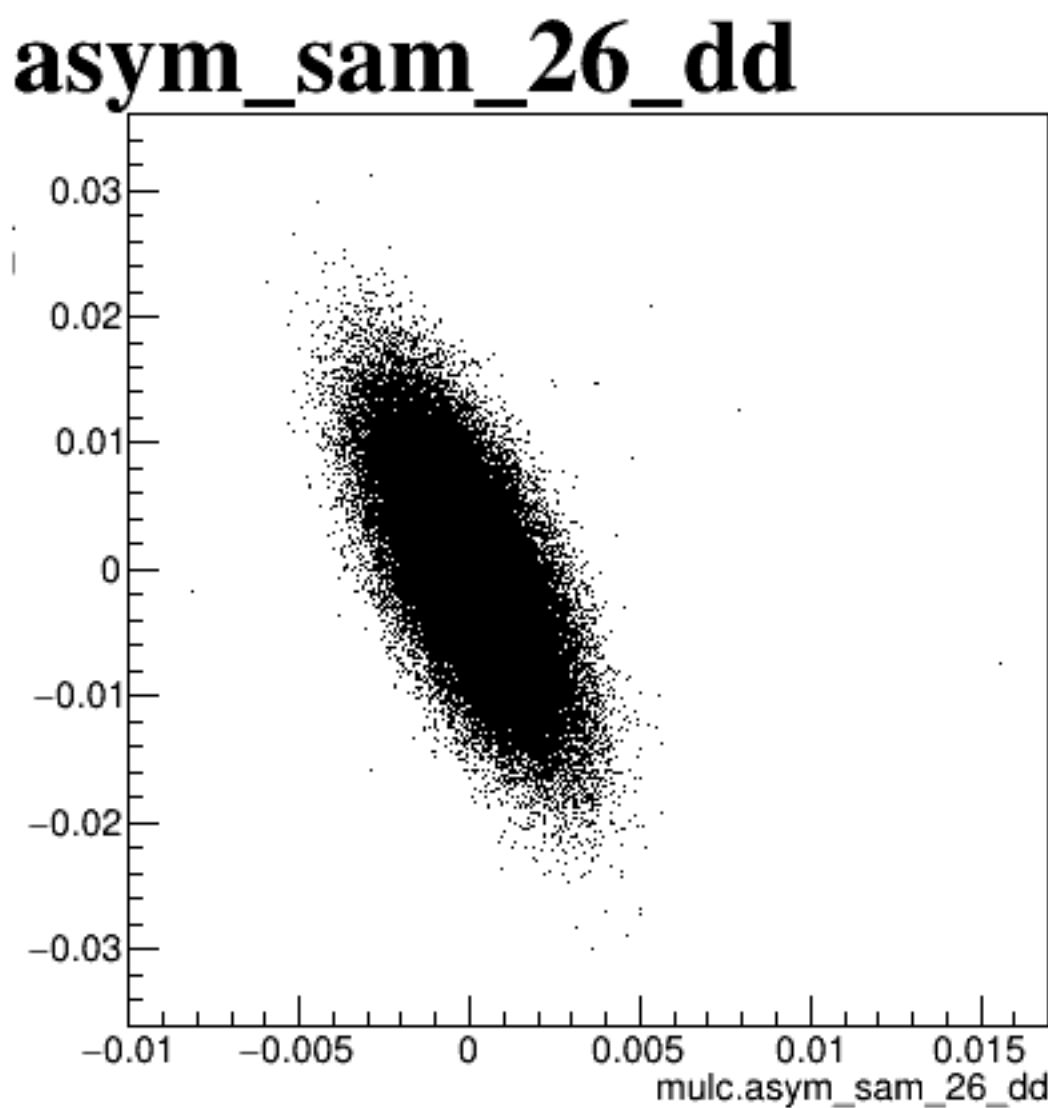
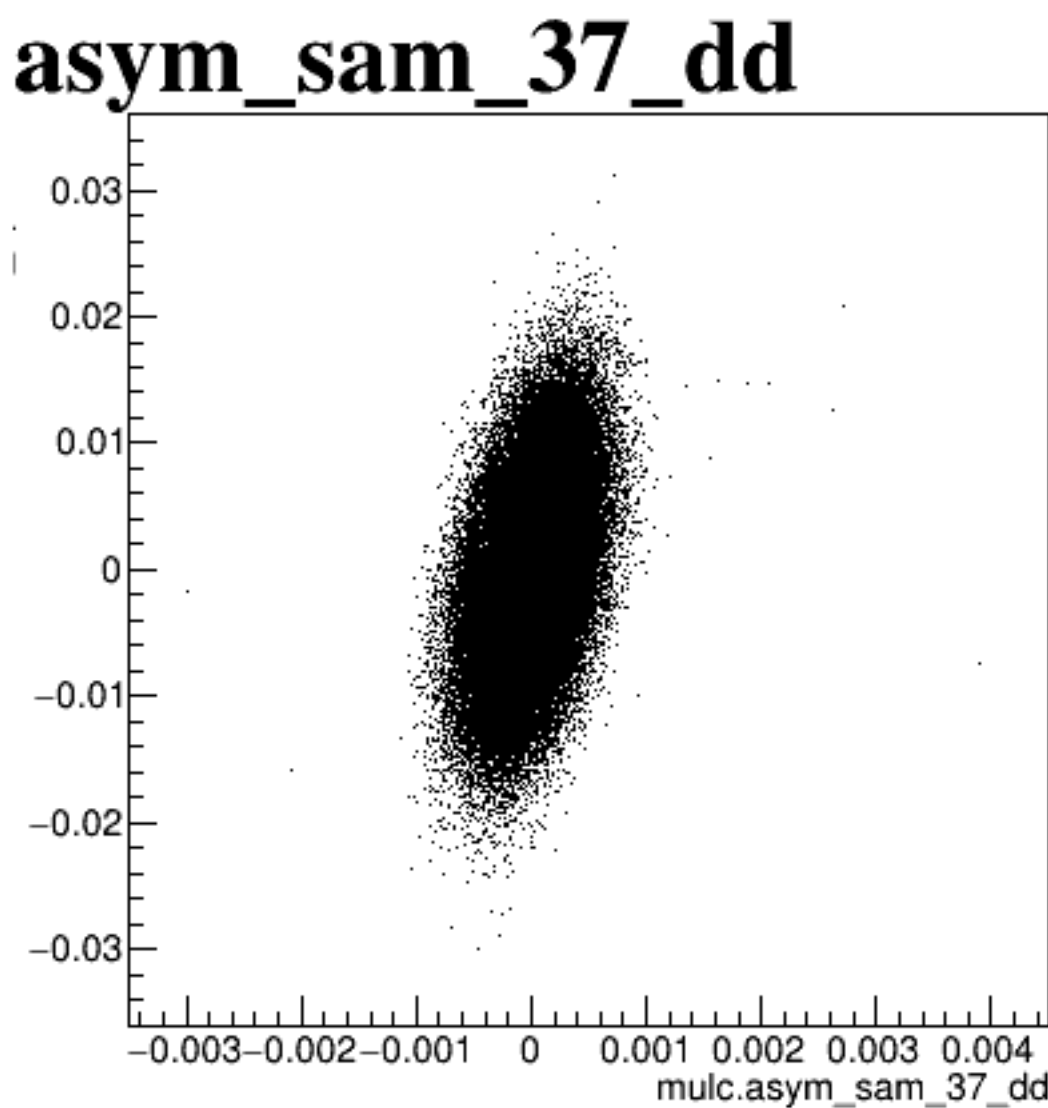
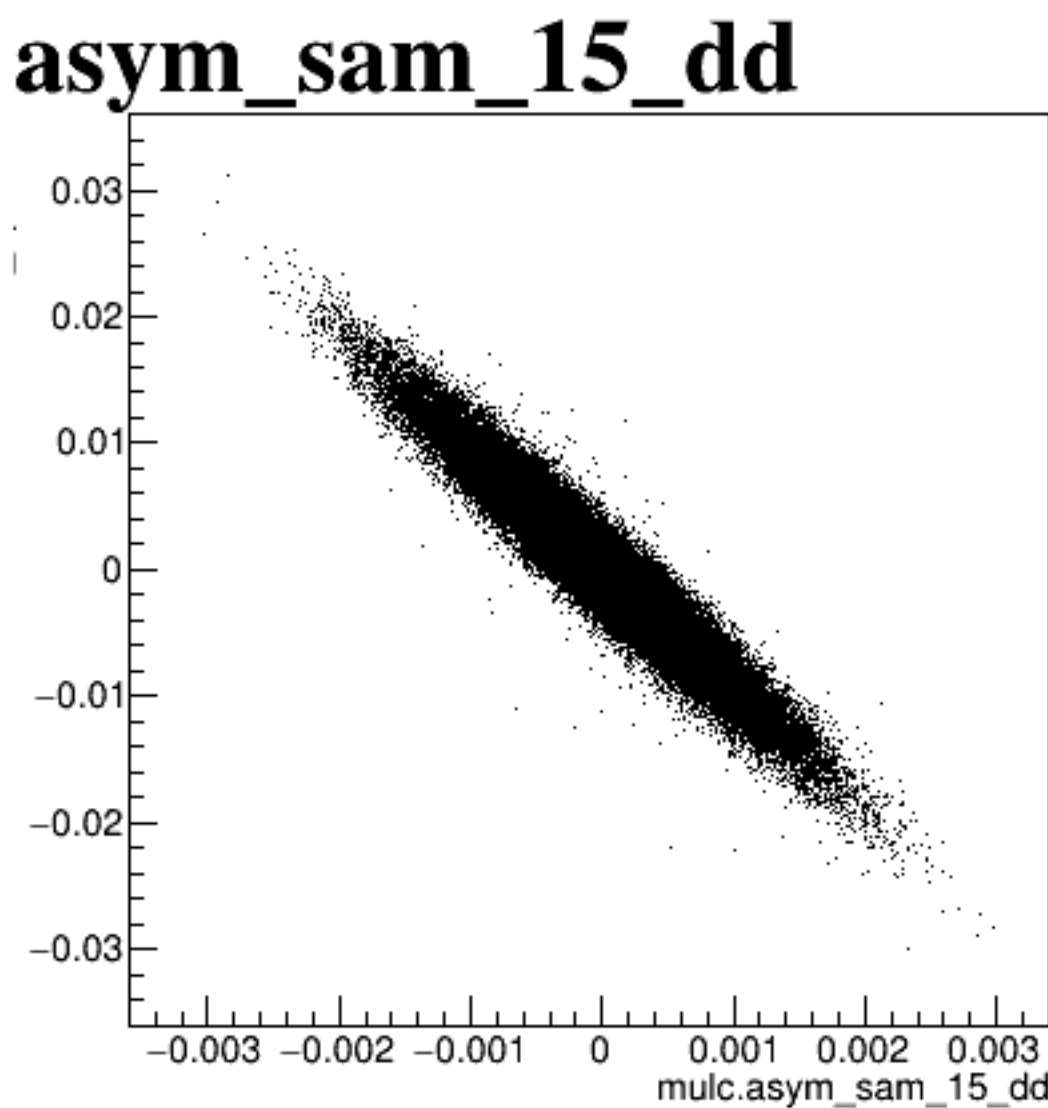
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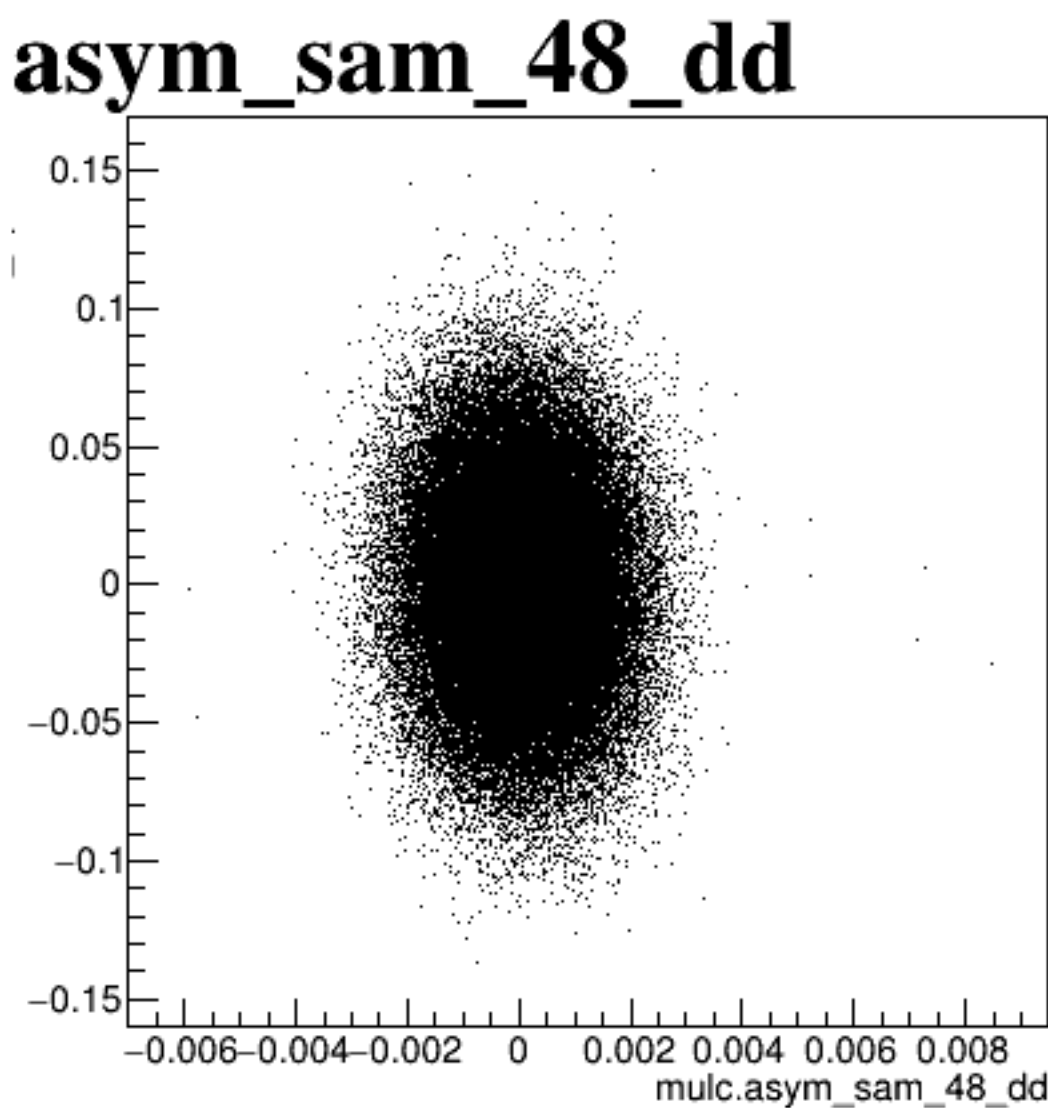
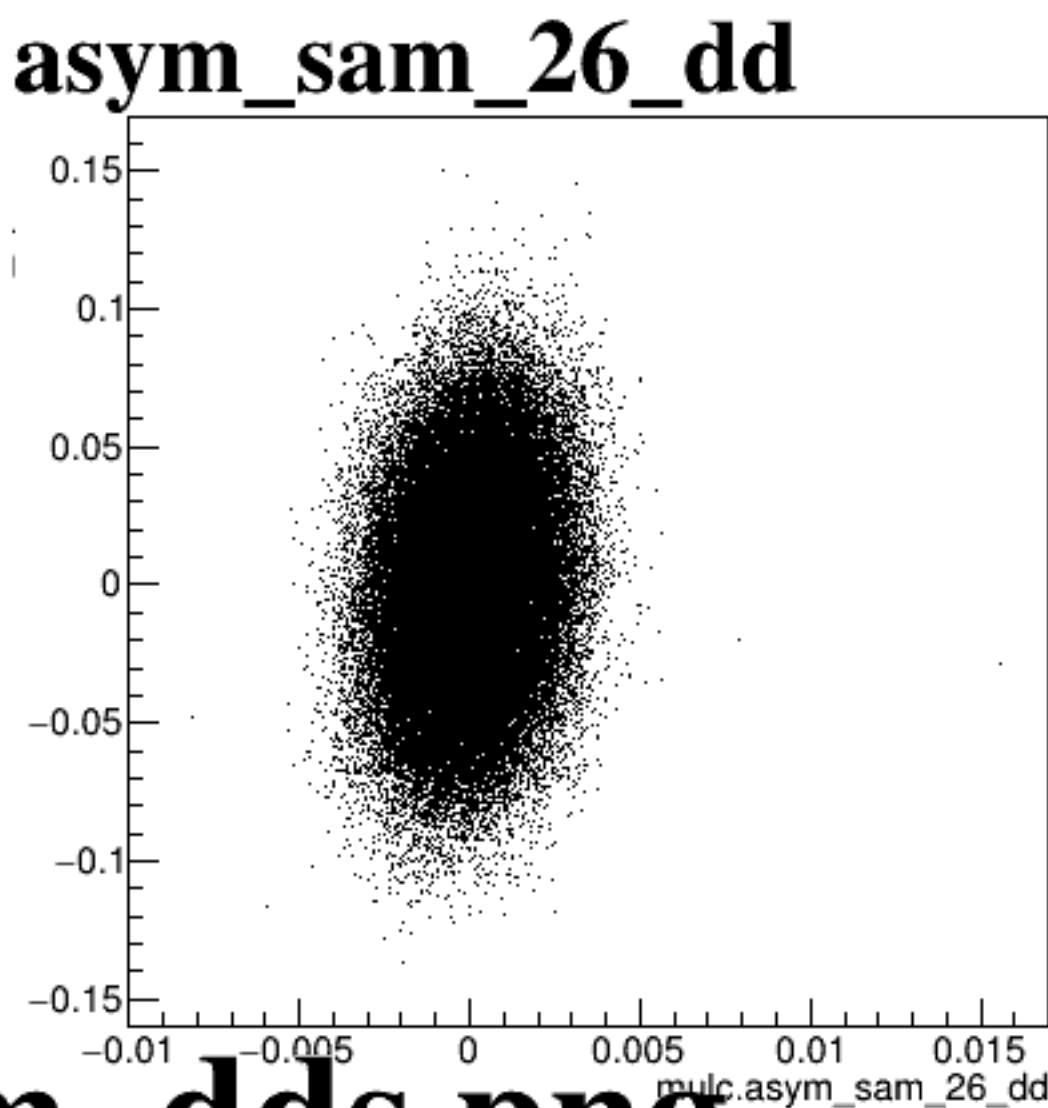
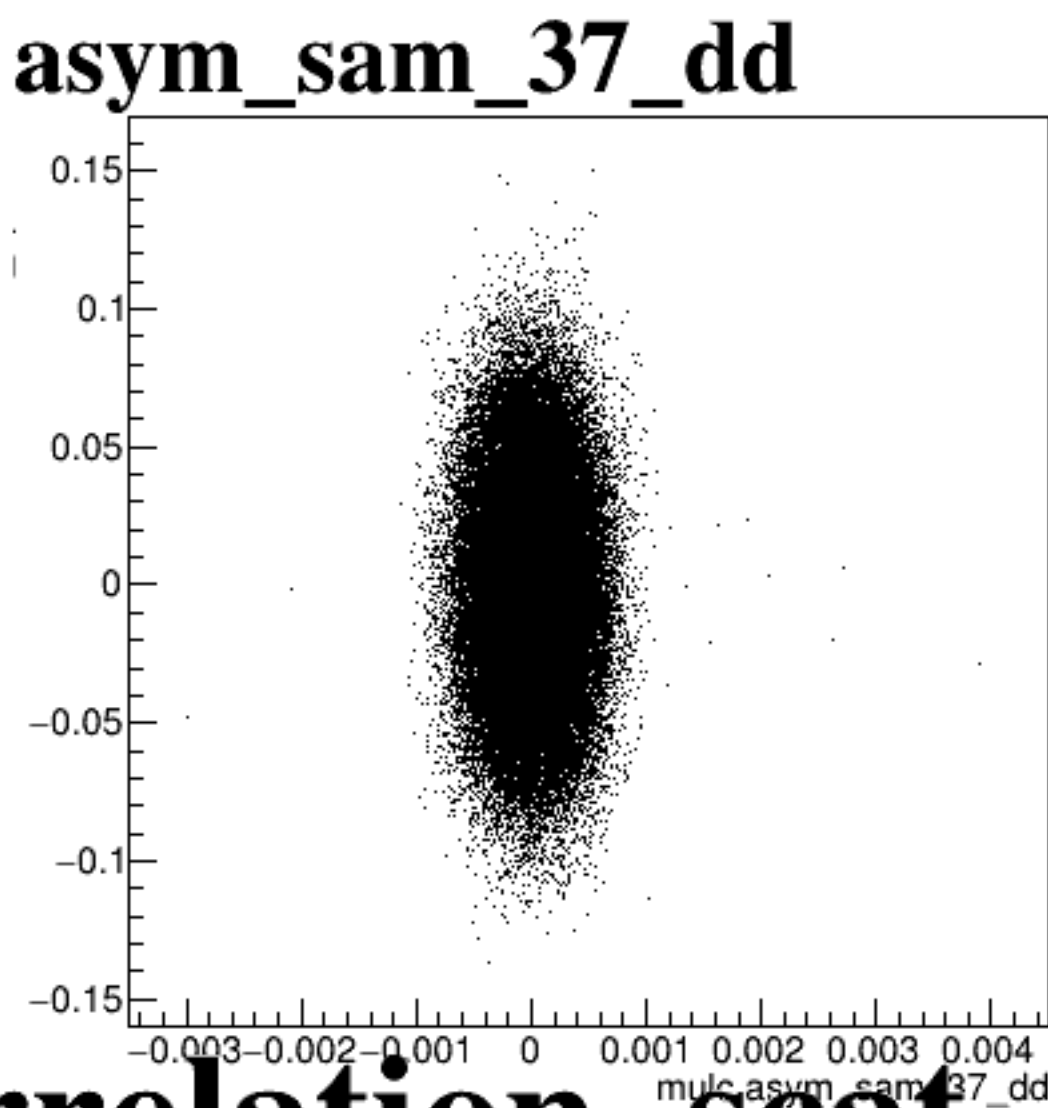
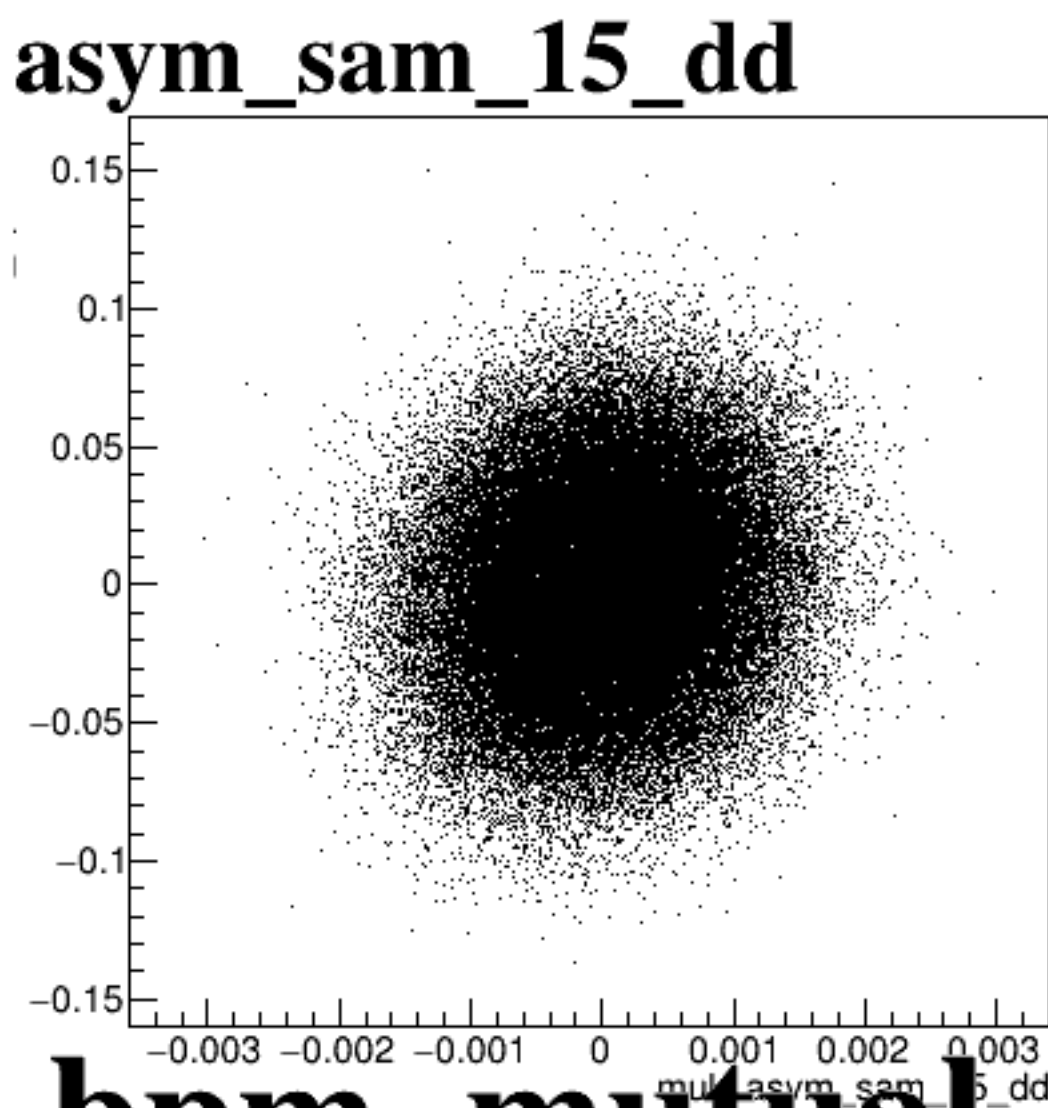
diff\_bpm4eX



diff\_bpm4eY

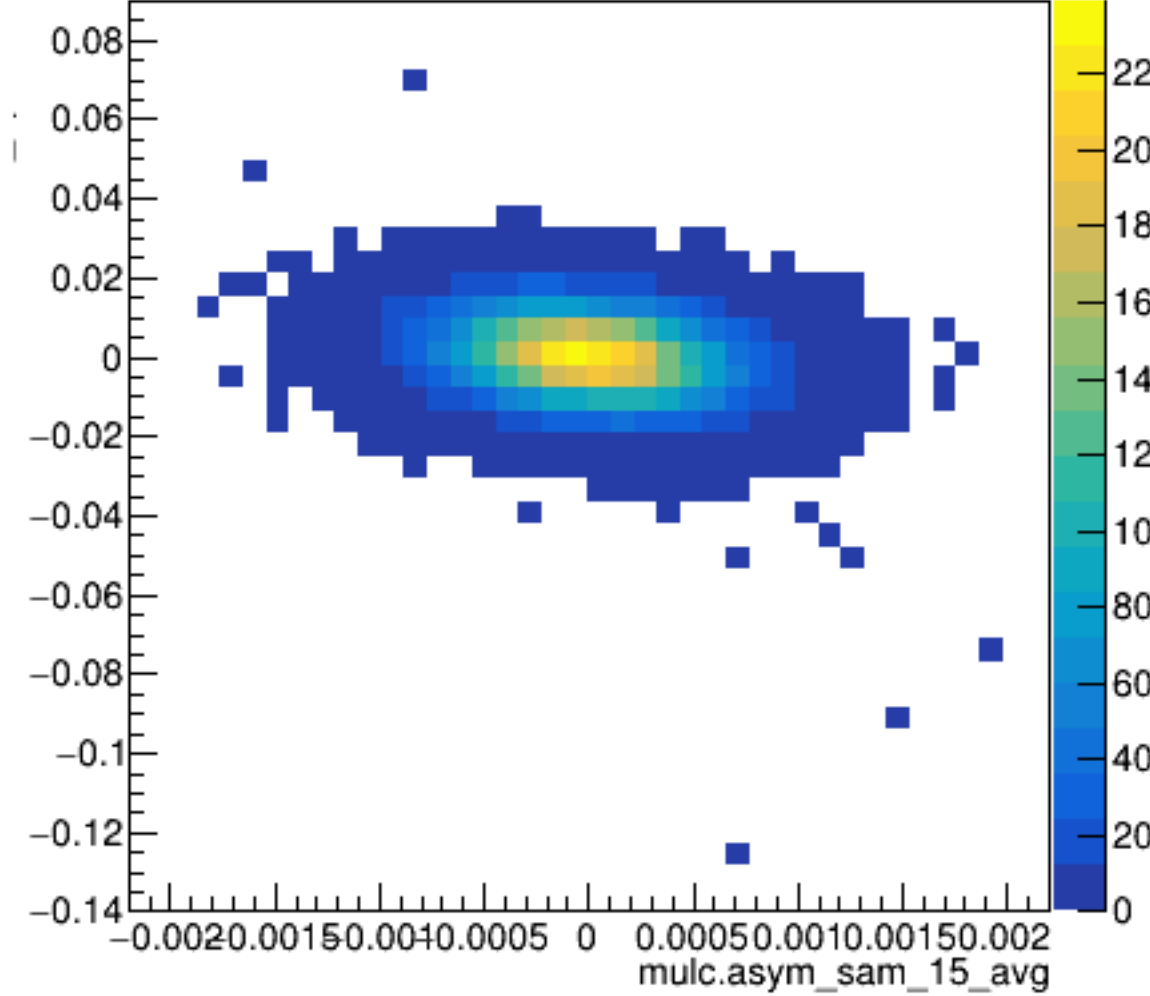


diff\_bpm12X

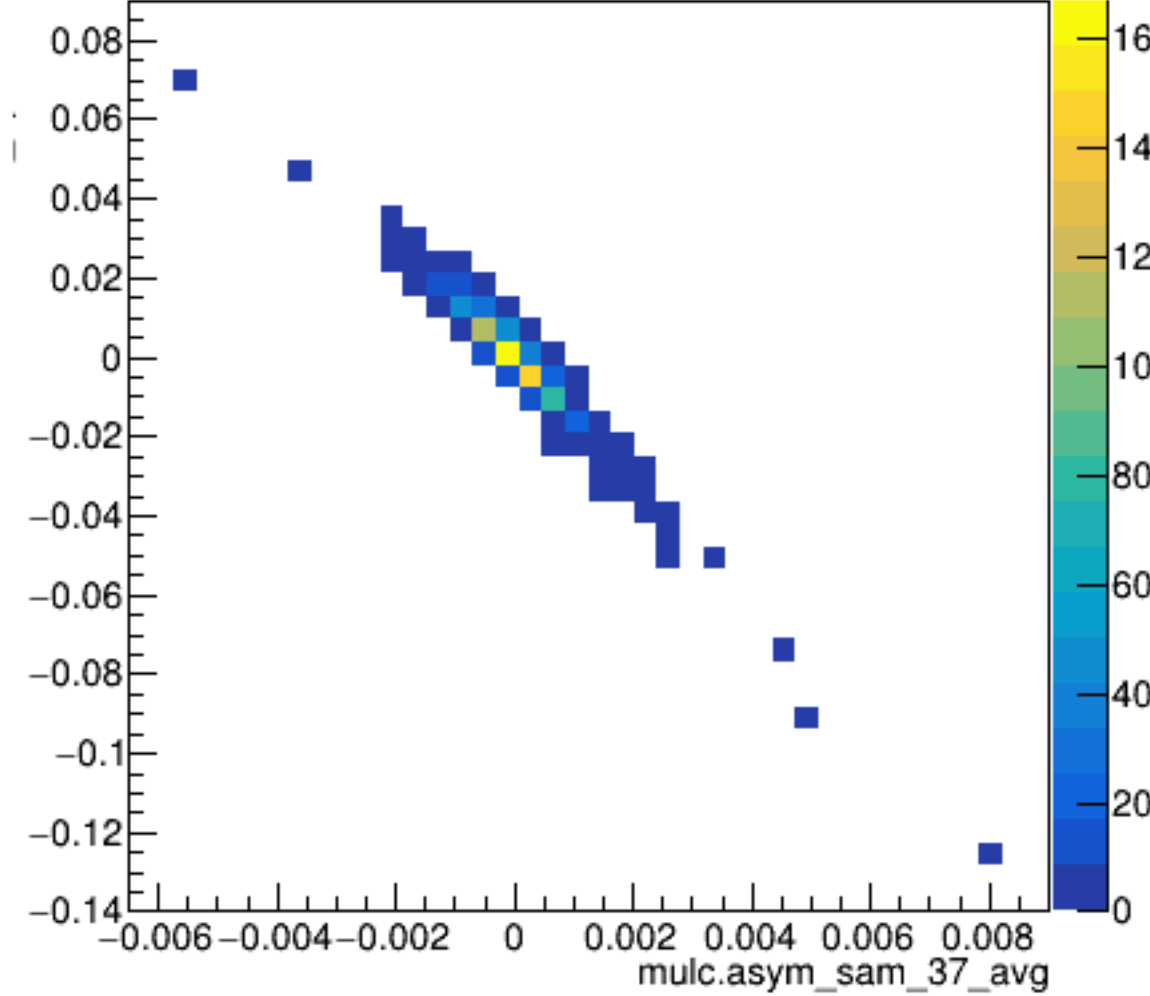


diff\_bpm4aX

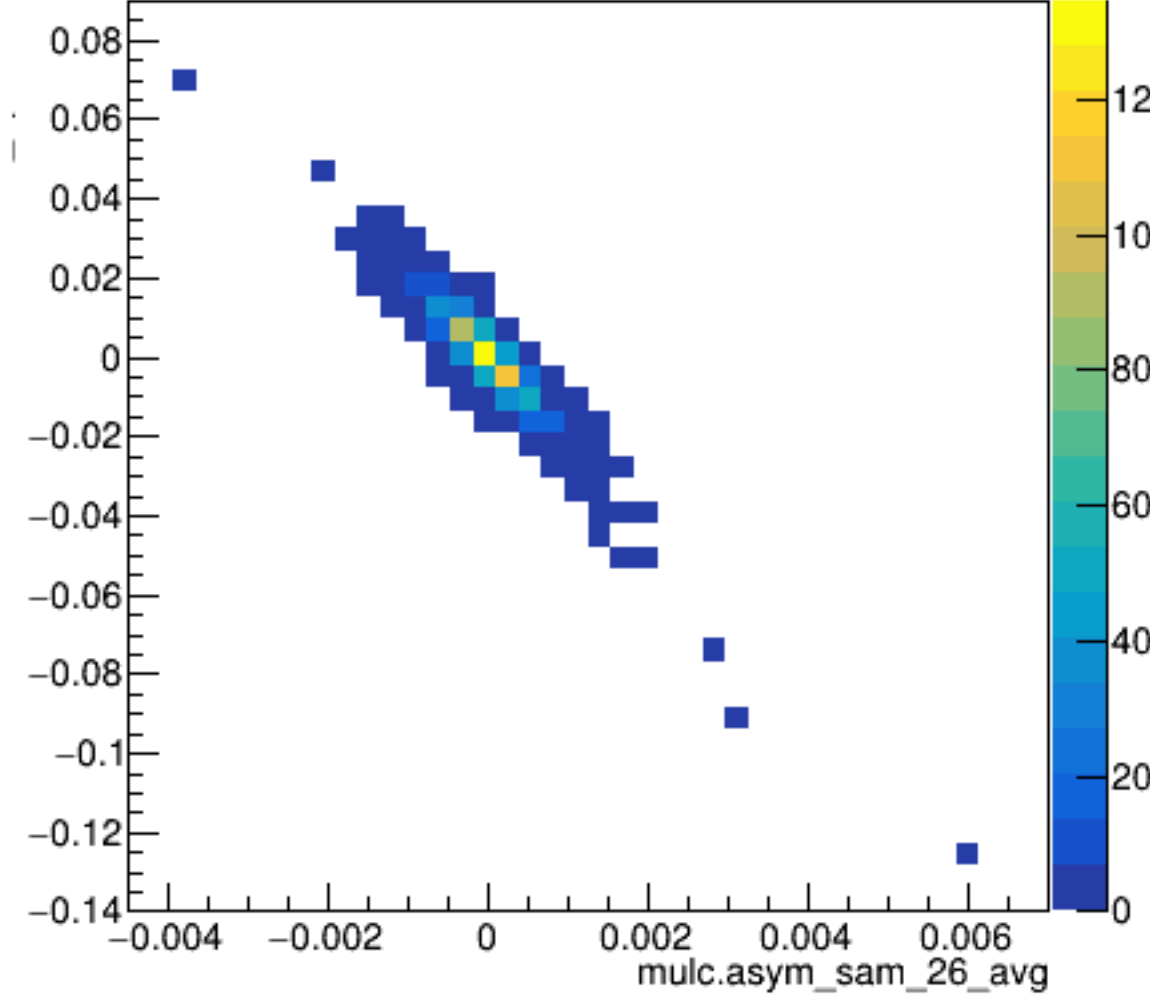
asym\_sam\_15\_avg



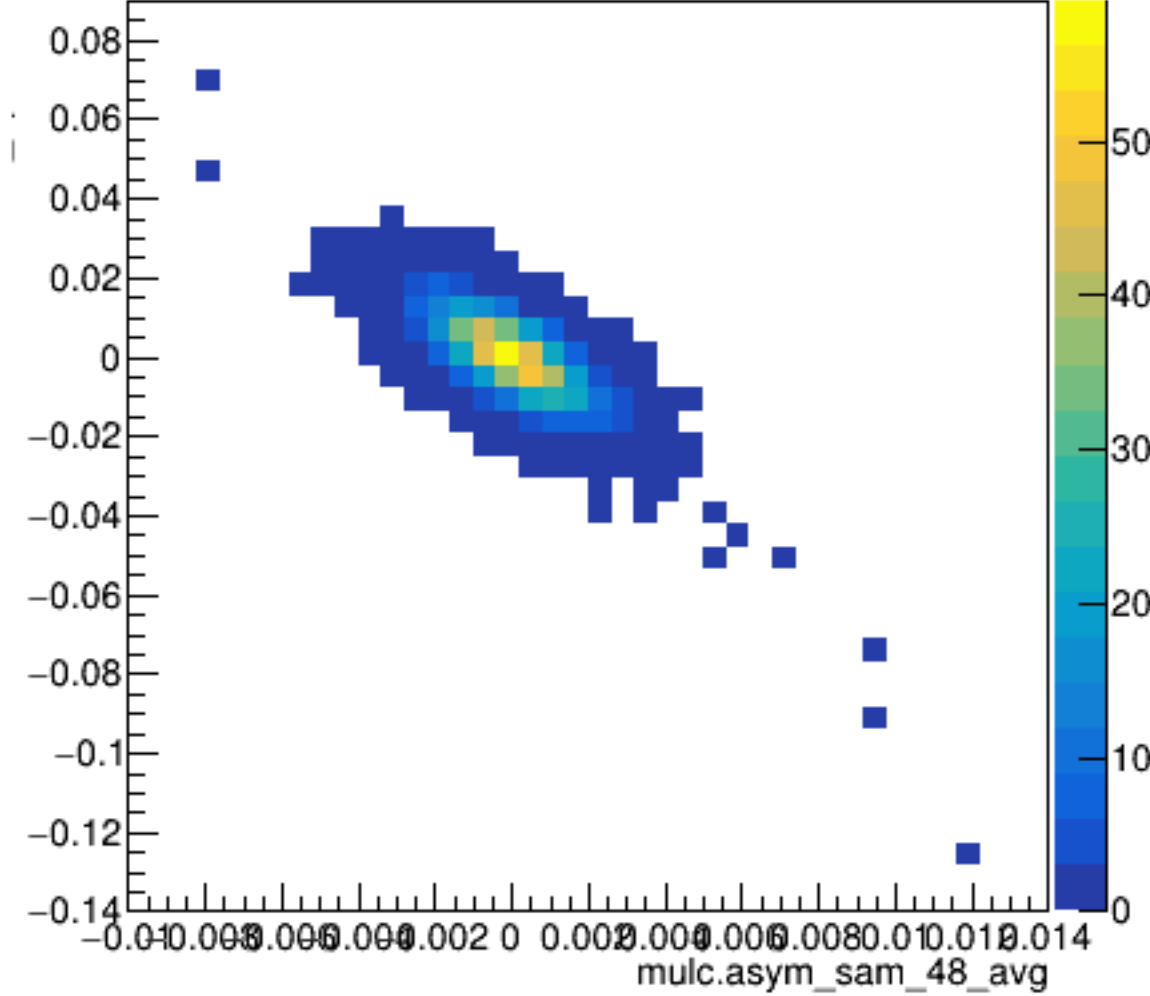
asym\_sam\_37\_avg



asym\_sam\_26\_avg

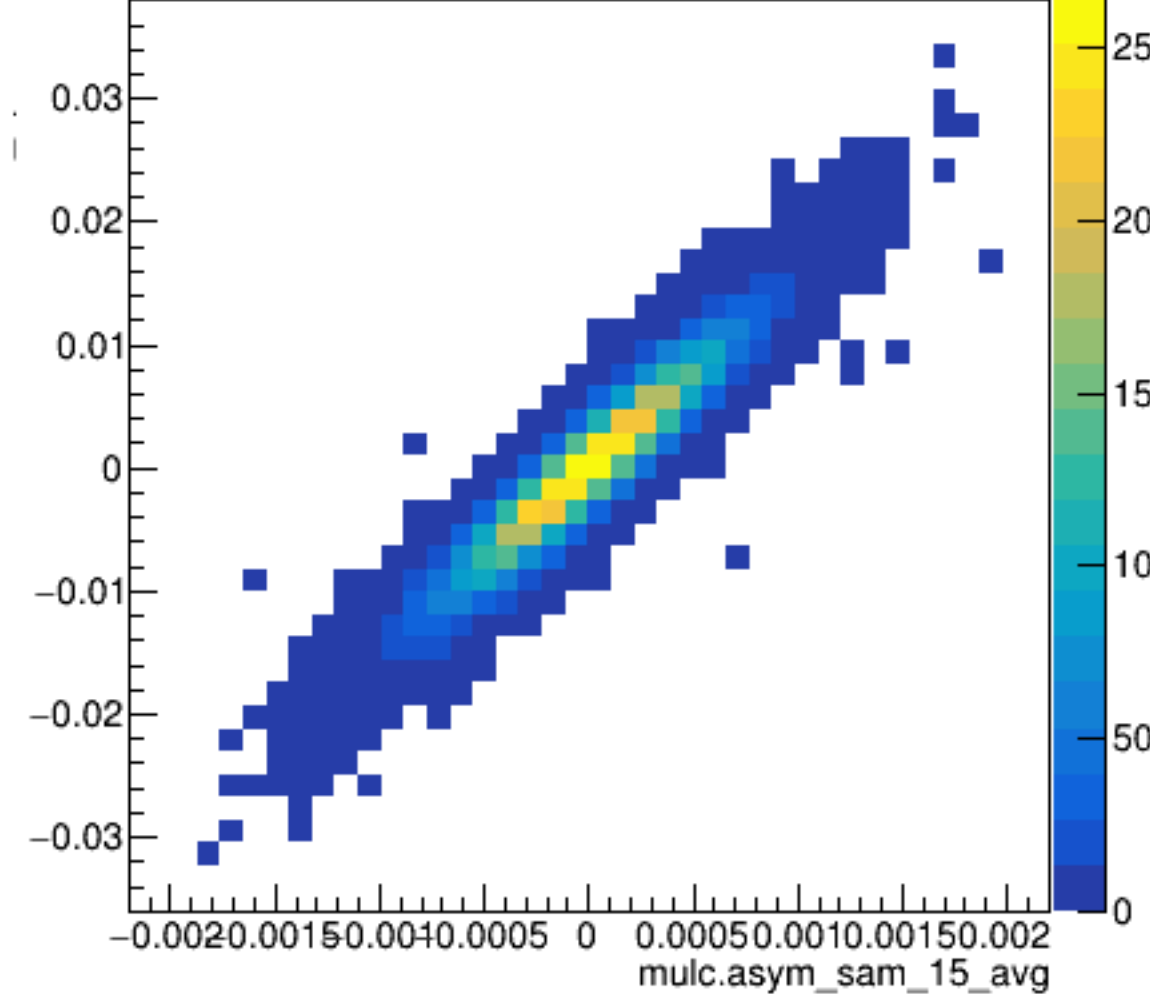


asym\_sam\_48\_avg

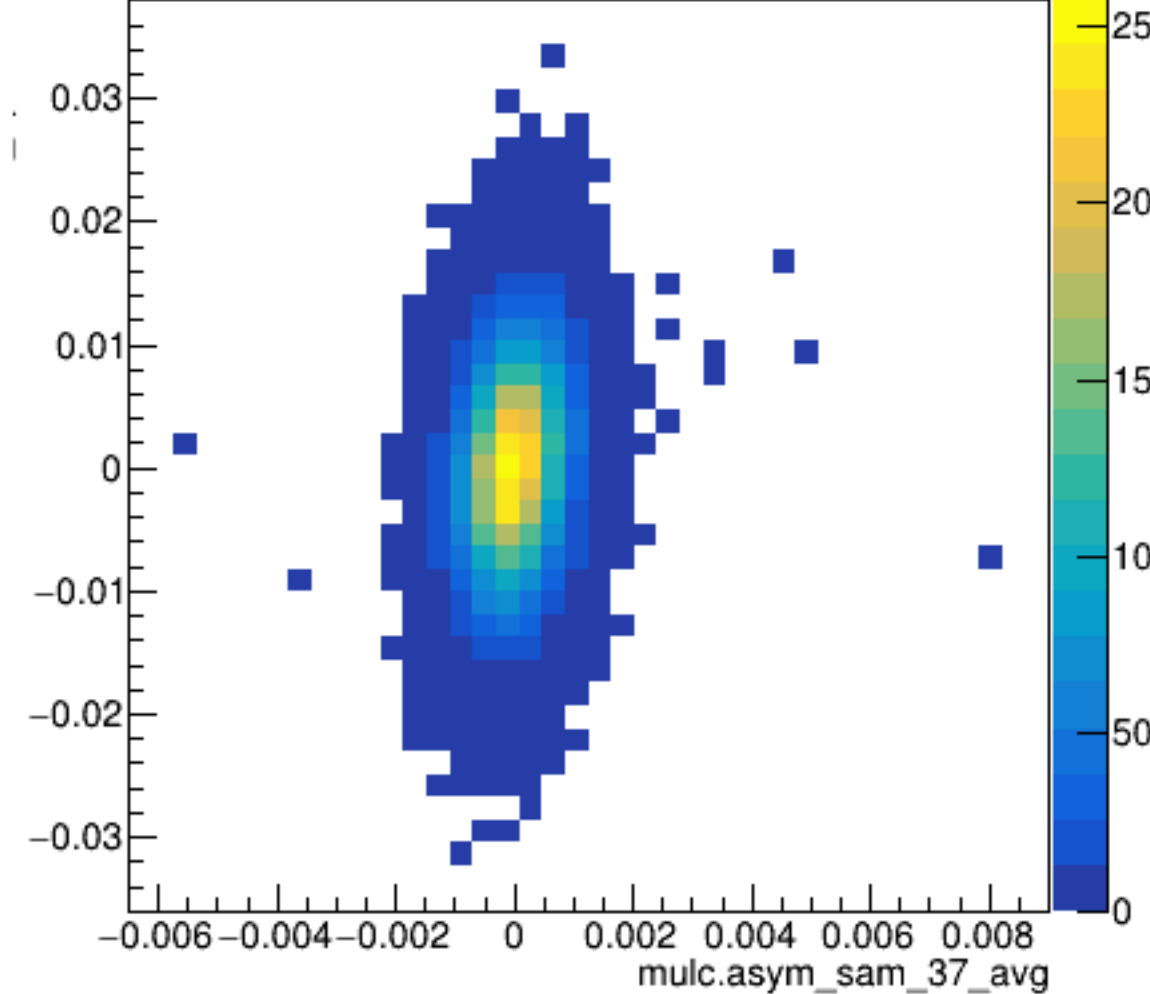


diff\_bpm4aY

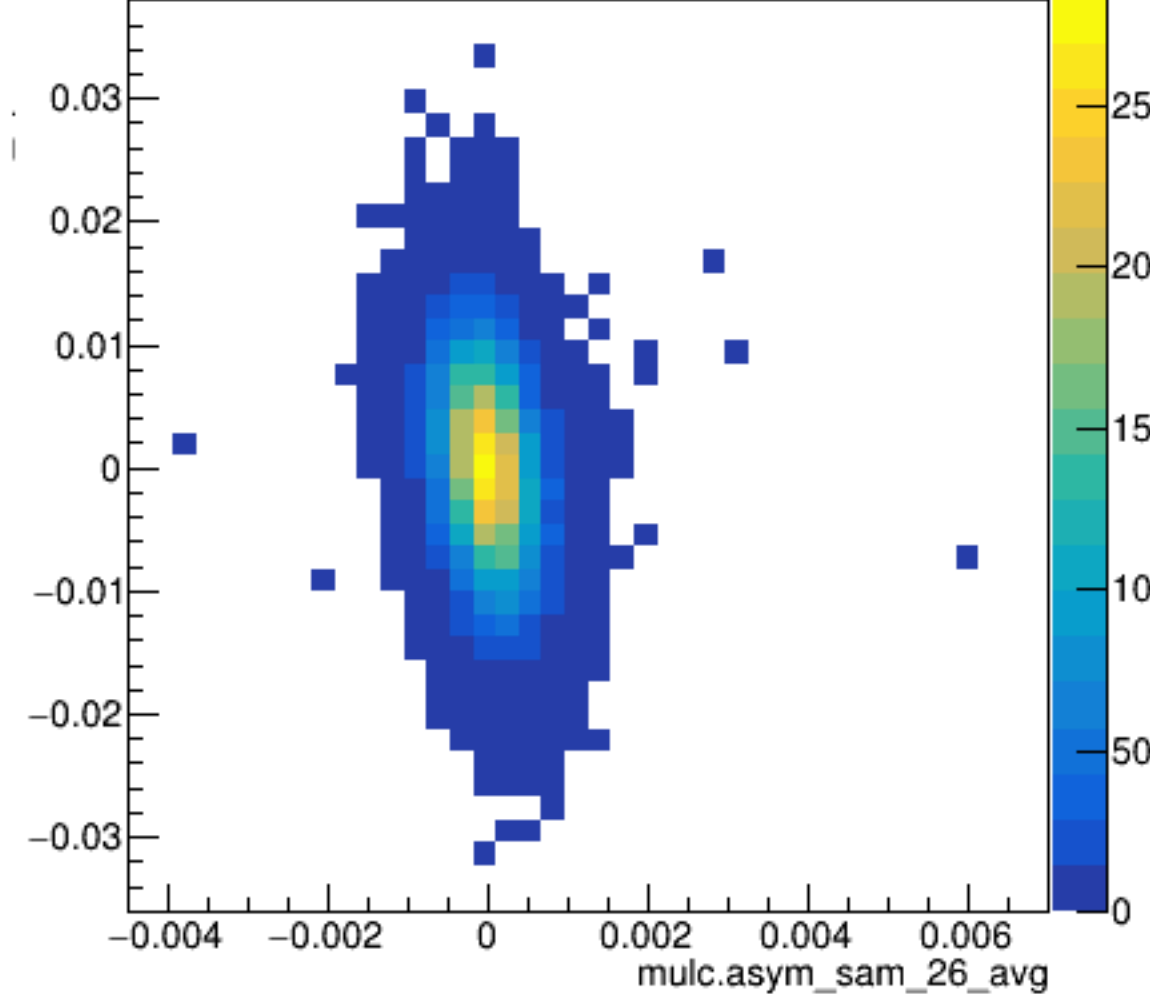
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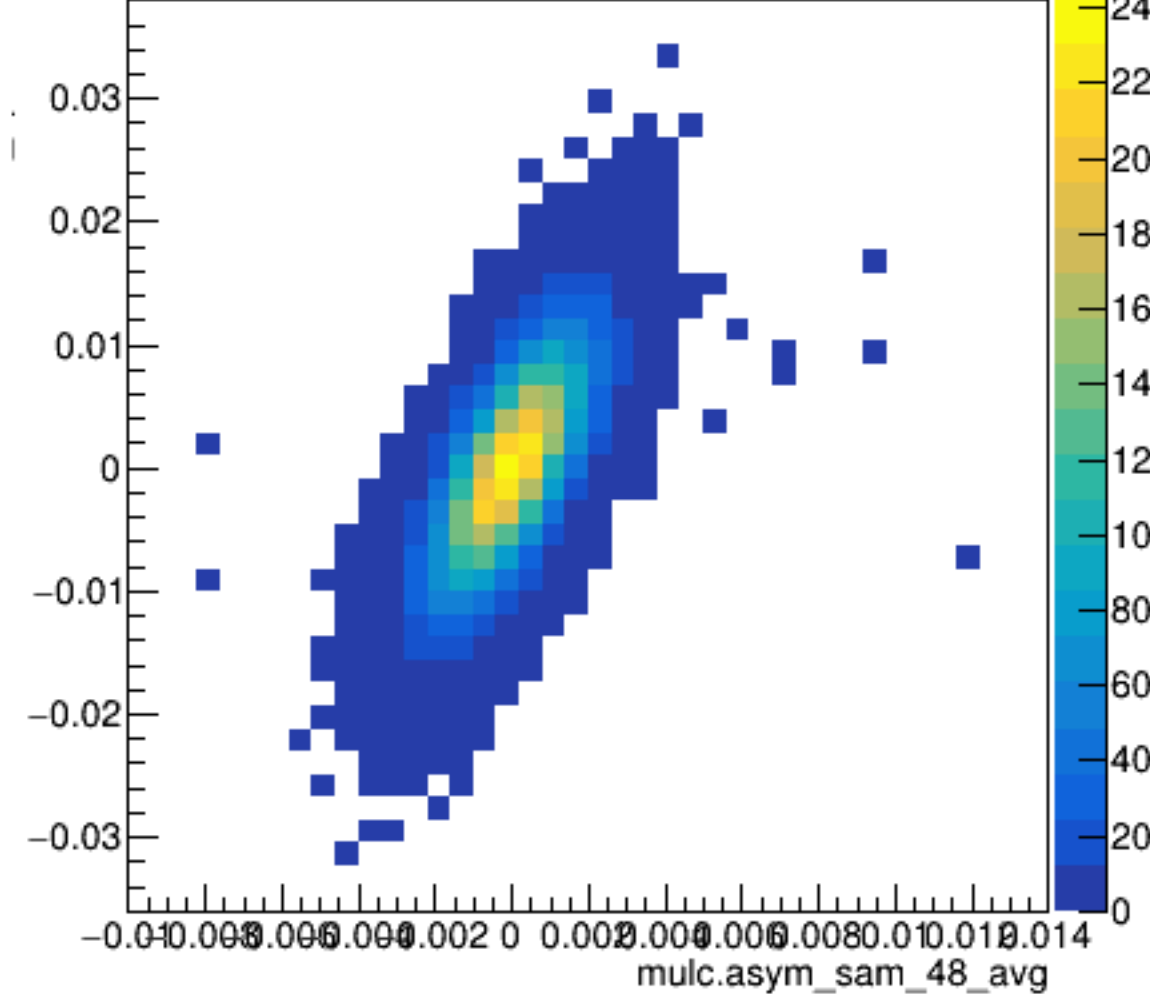
asym\_sam\_37\_avg



asym\_sam\_26\_avg

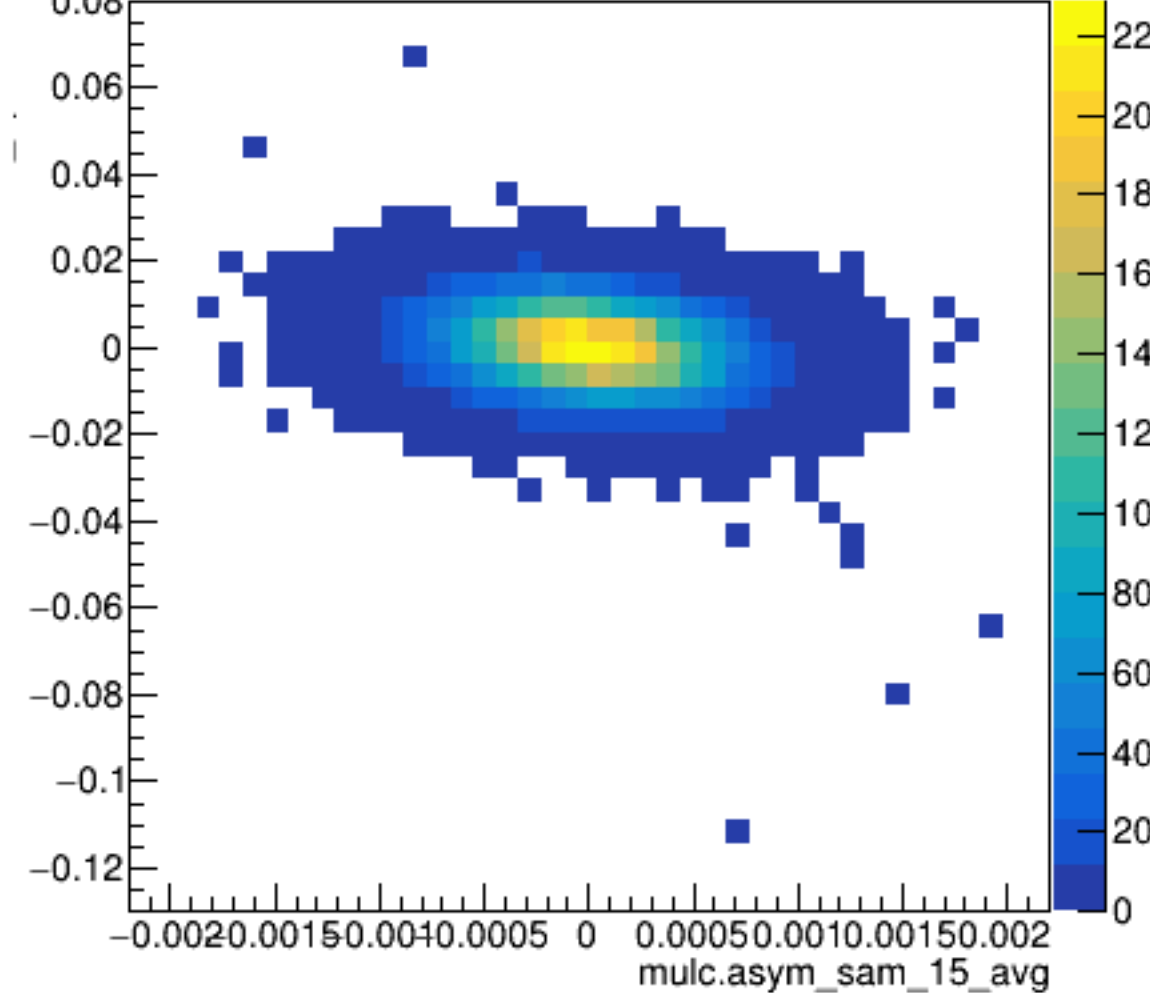


asym\_sam\_48\_avg

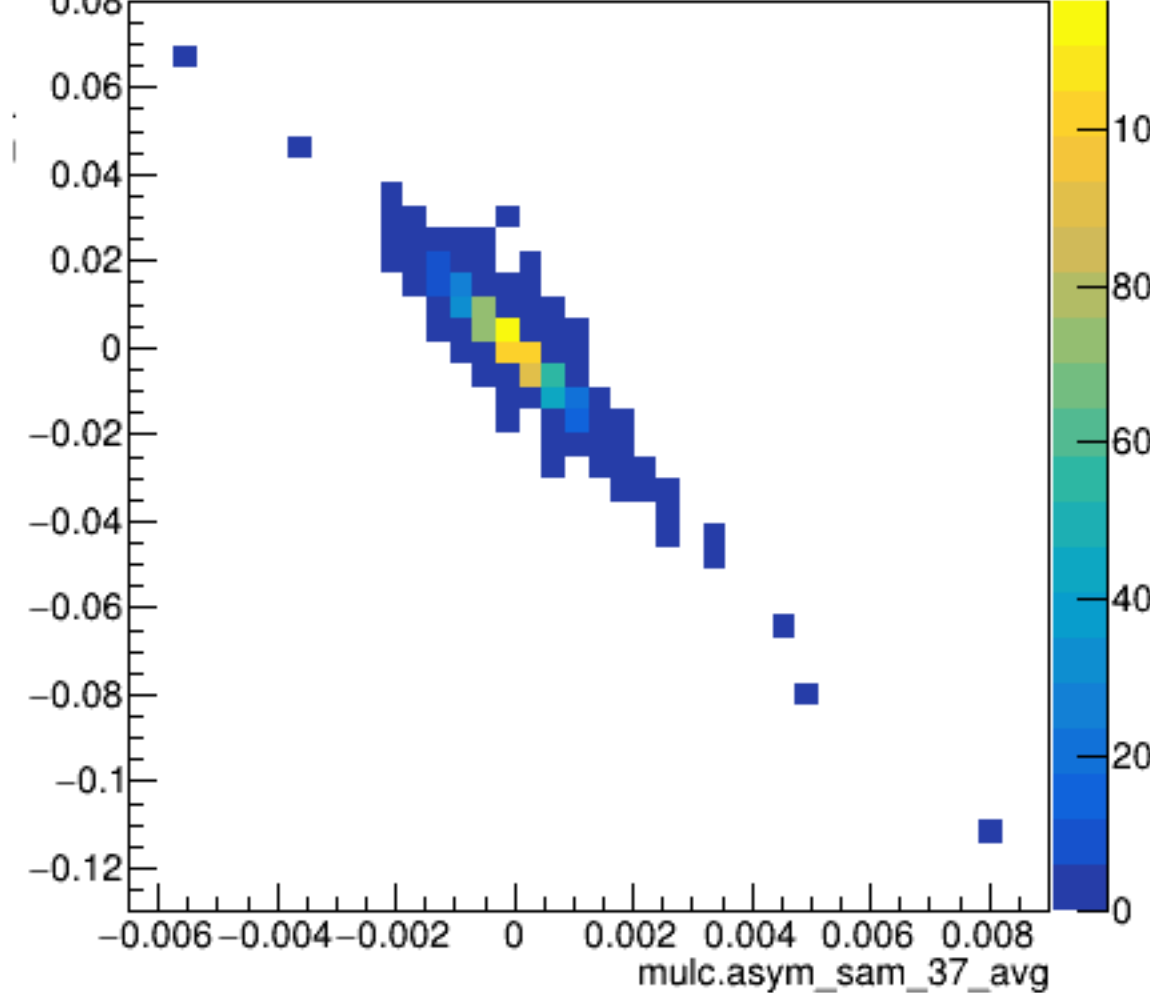


diff\_bpm4eX

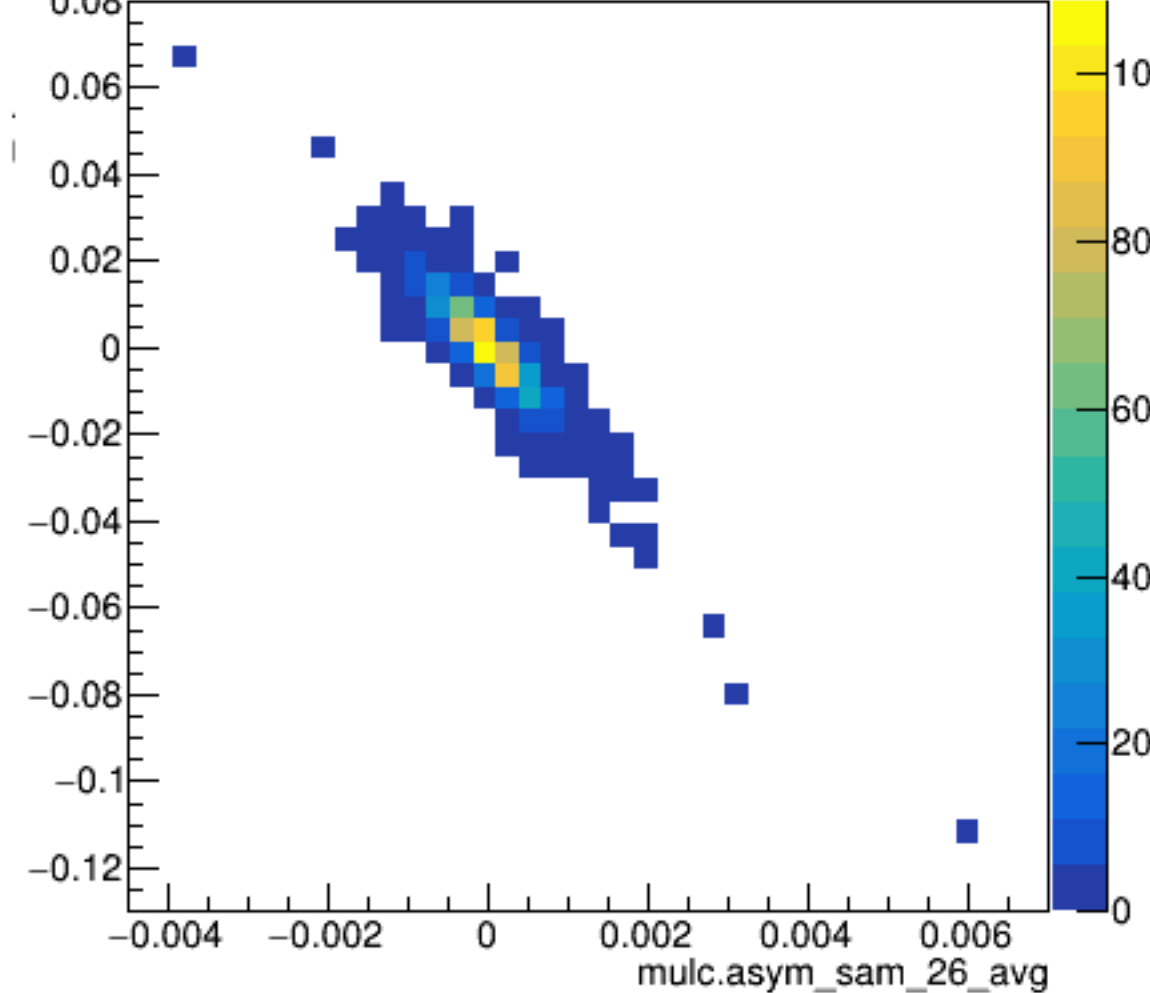
asym\_sam\_15\_avg



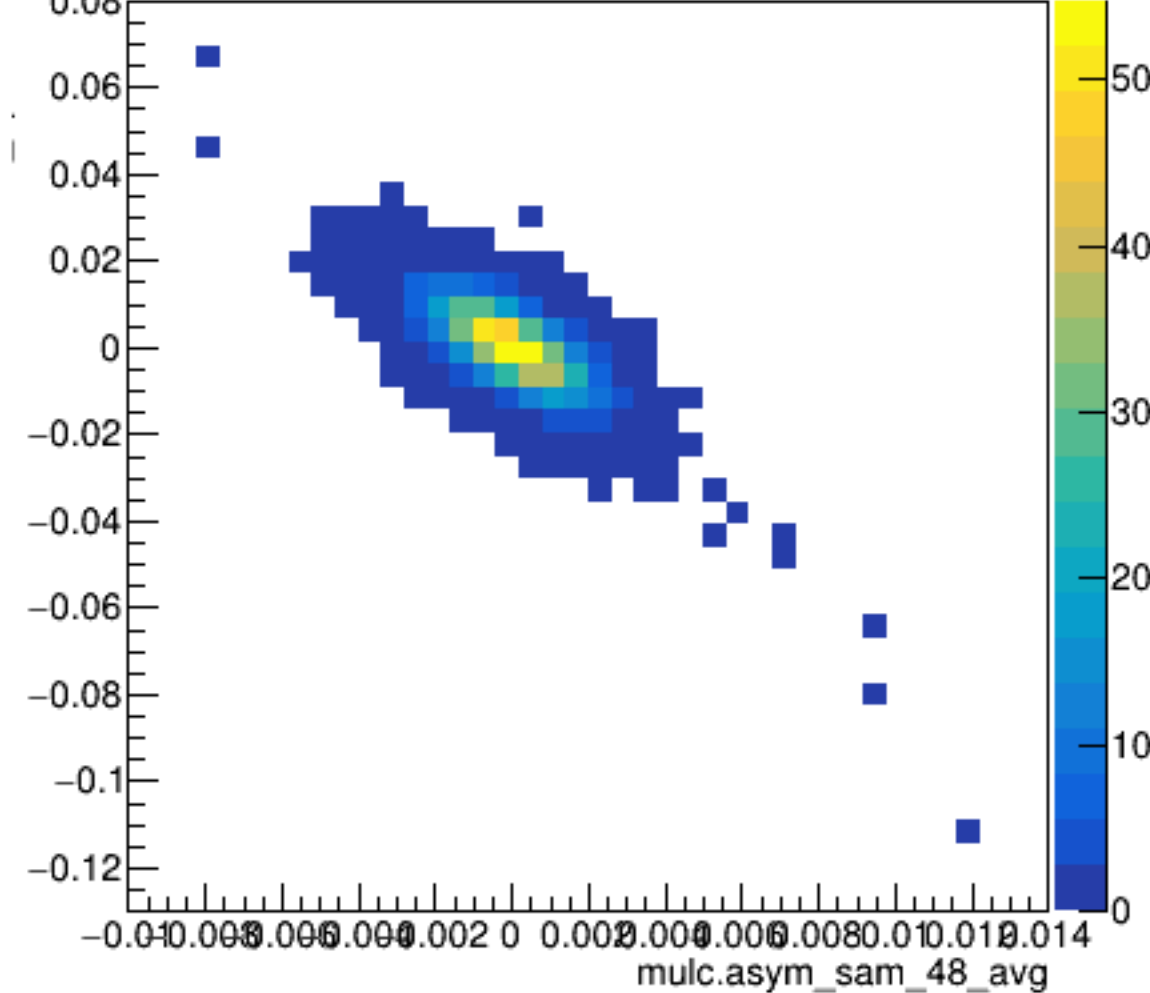
asym\_sam\_37\_avg



asym\_sam\_26\_avg

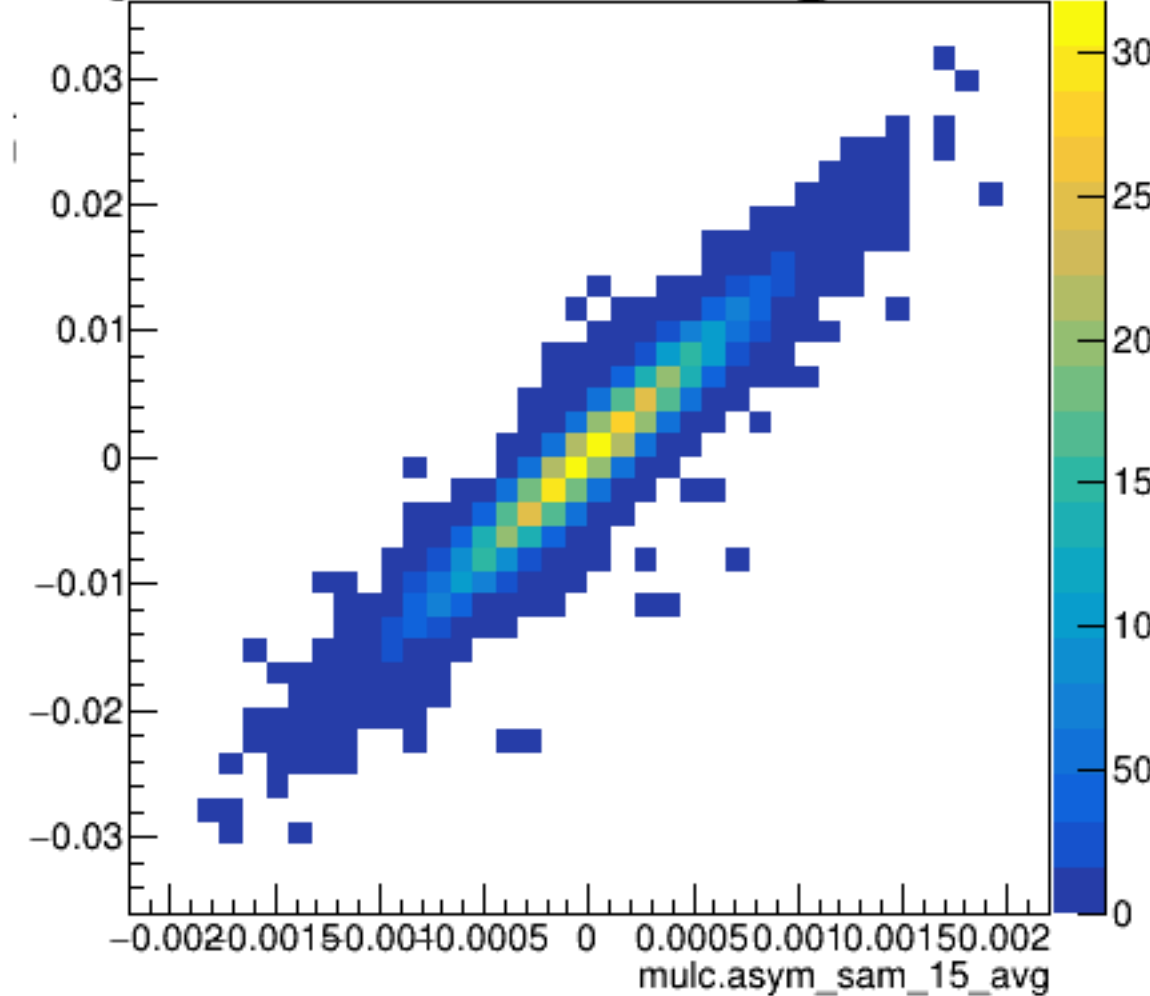


asym\_sam\_48\_avg

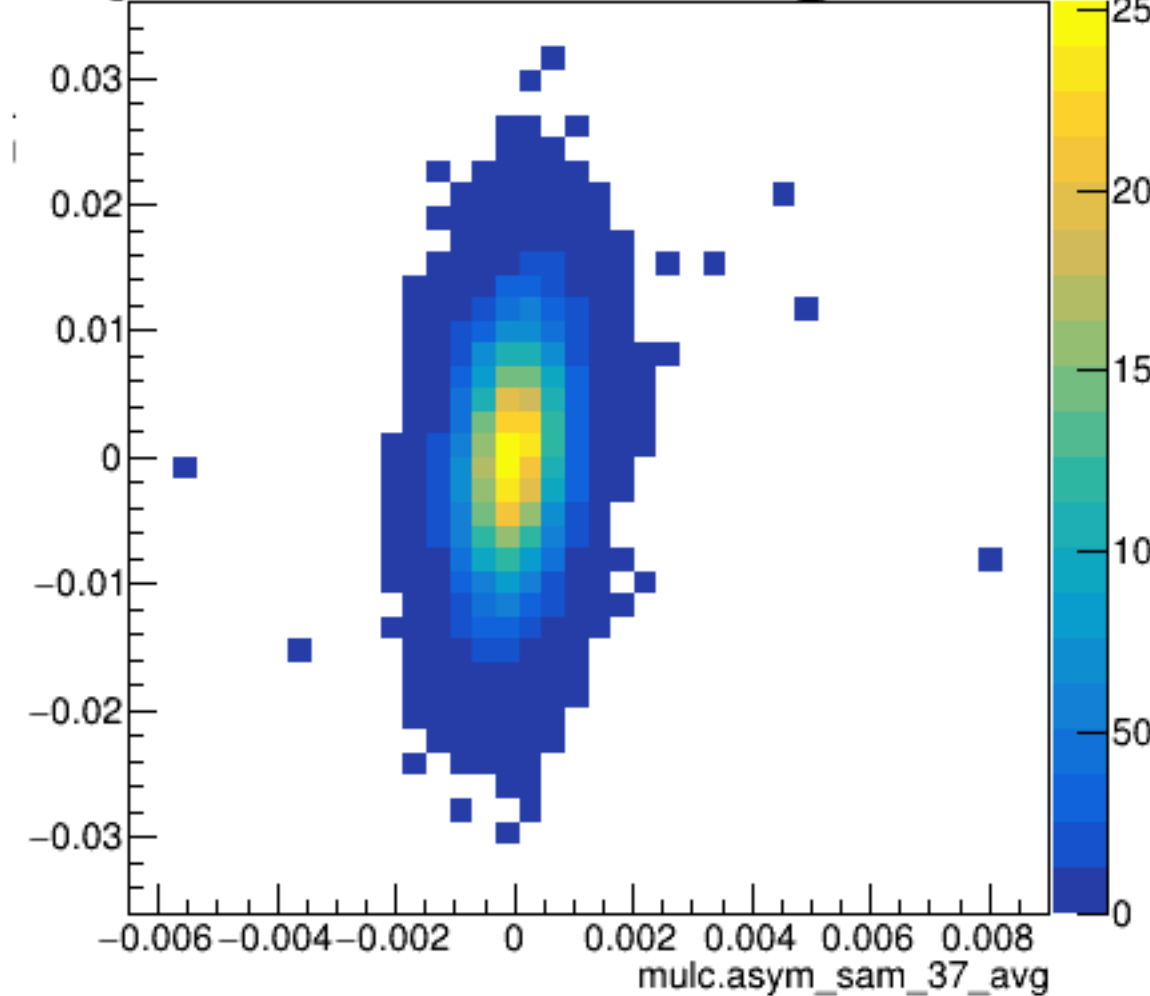


diff\_bpm4eY

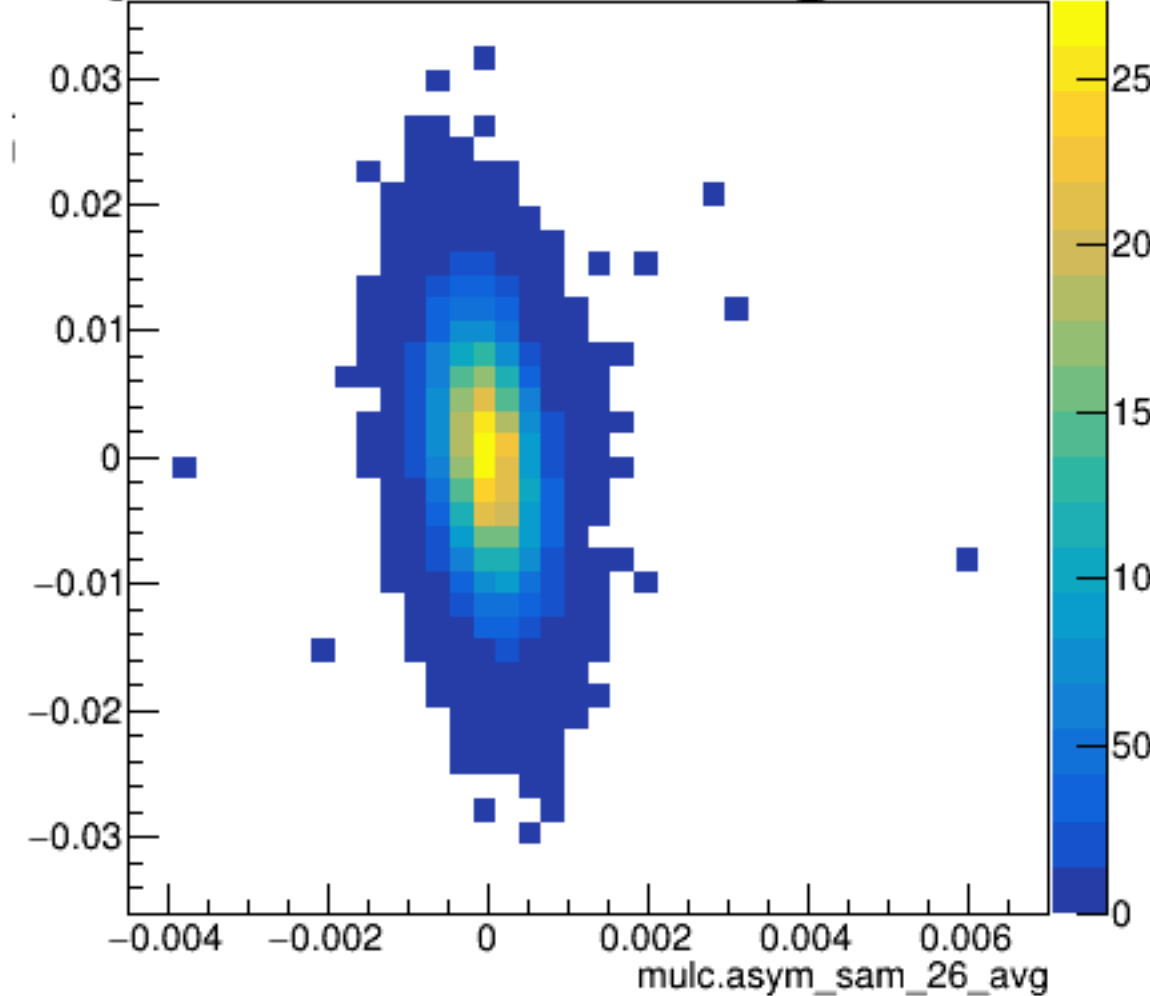
asym\_sam\_15\_avg



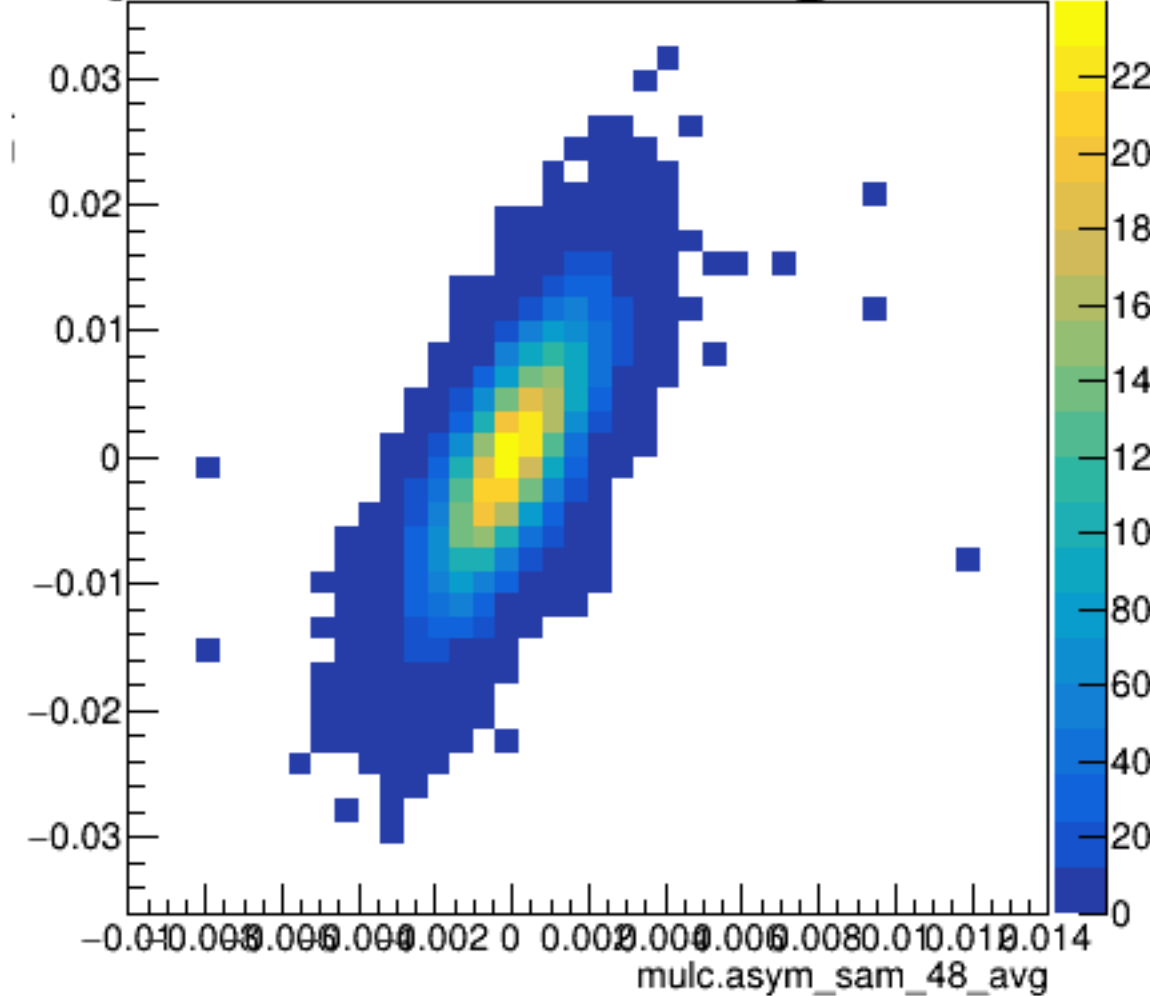
asym\_sam\_37\_avg



asym\_sam\_26\_avg

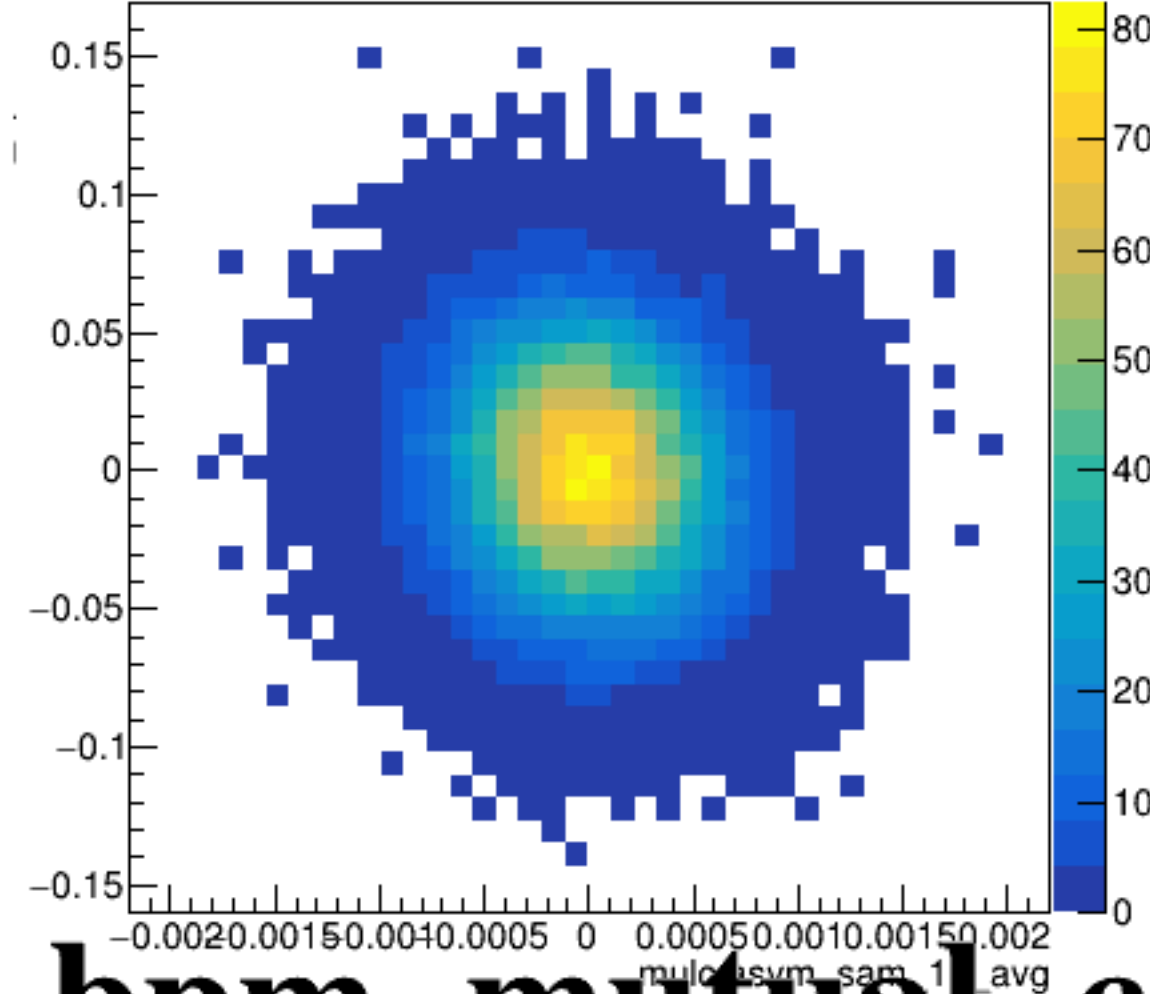


asym\_sam\_48\_avg

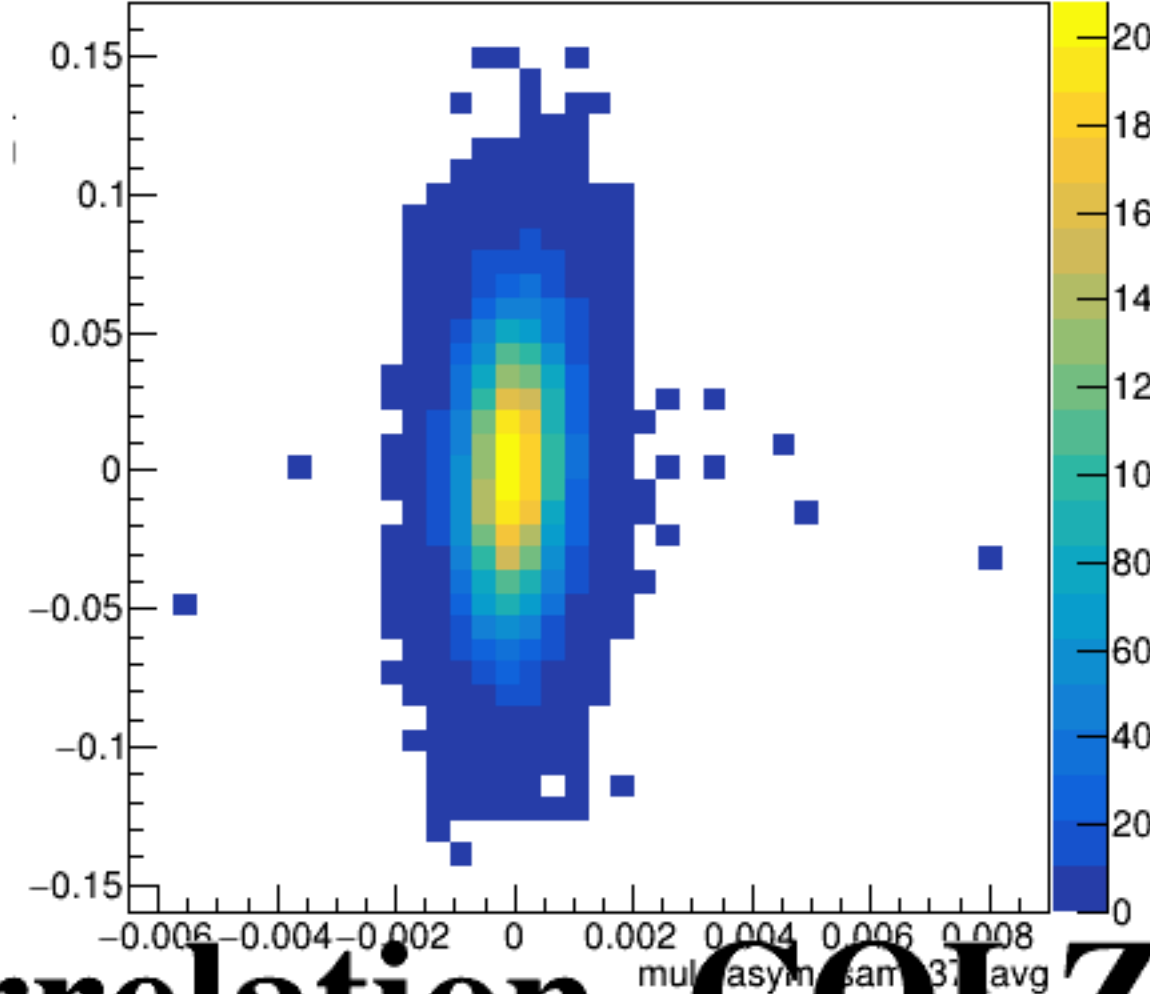


diff\_bpm12X

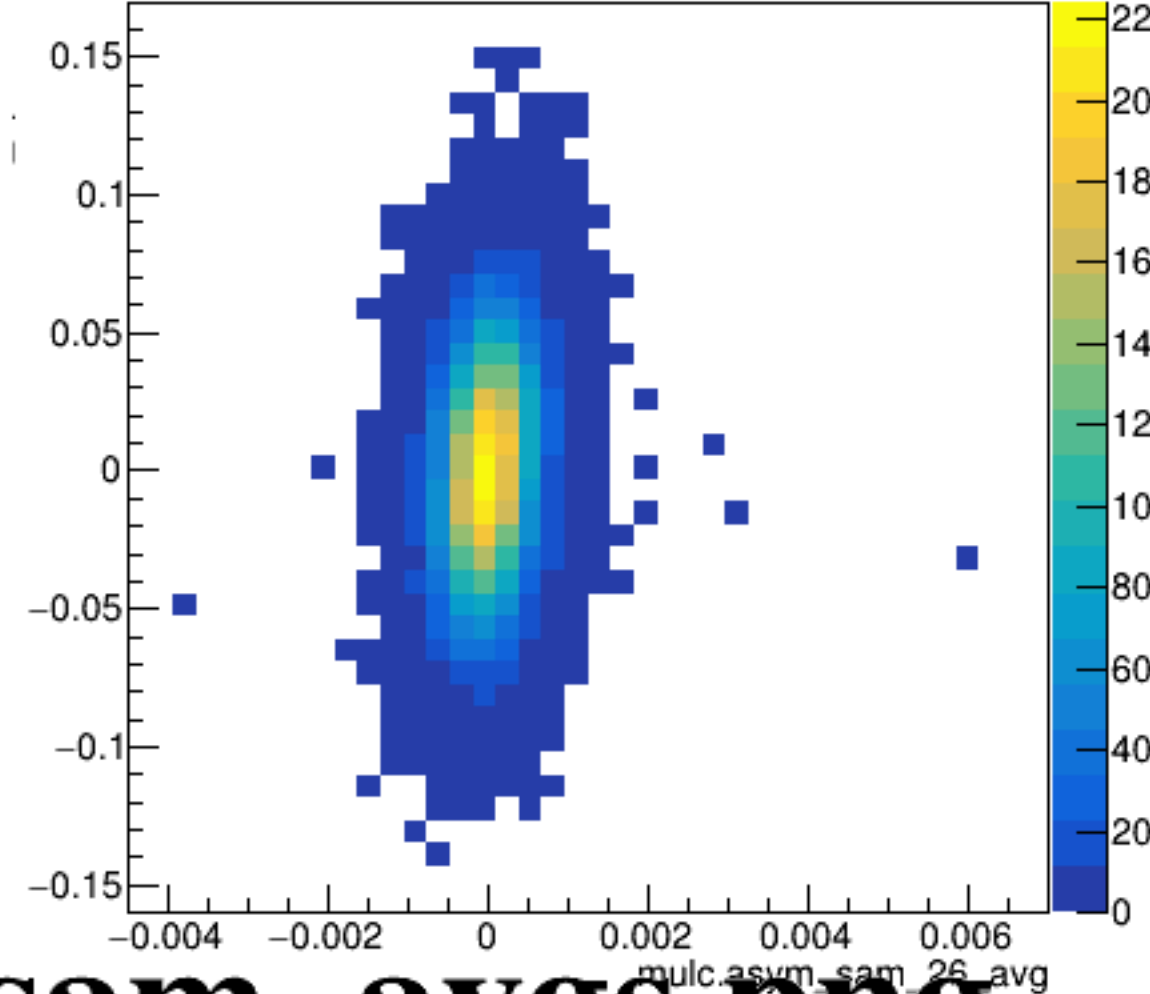
asym\_sam\_15\_avg



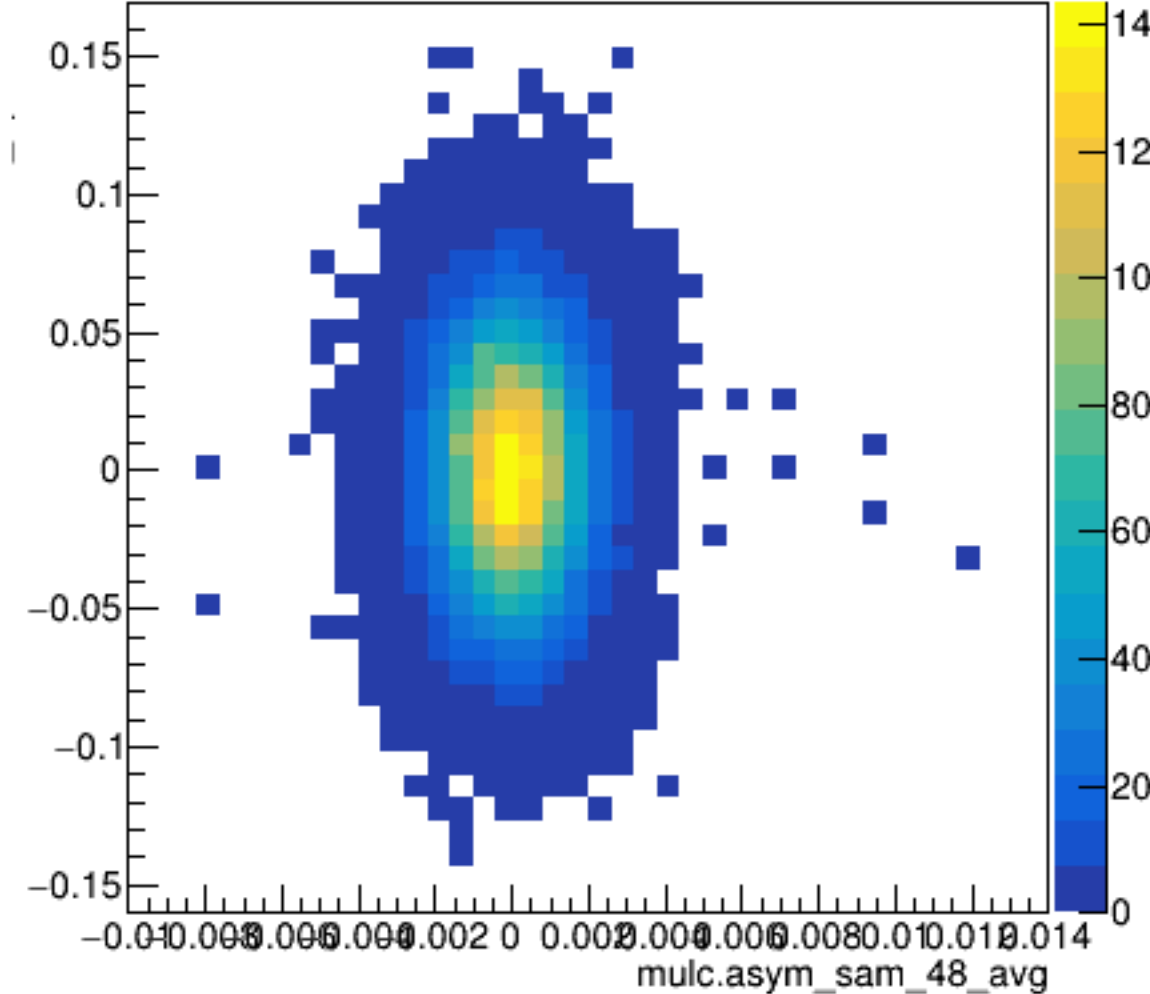
asym\_sam\_37\_avg



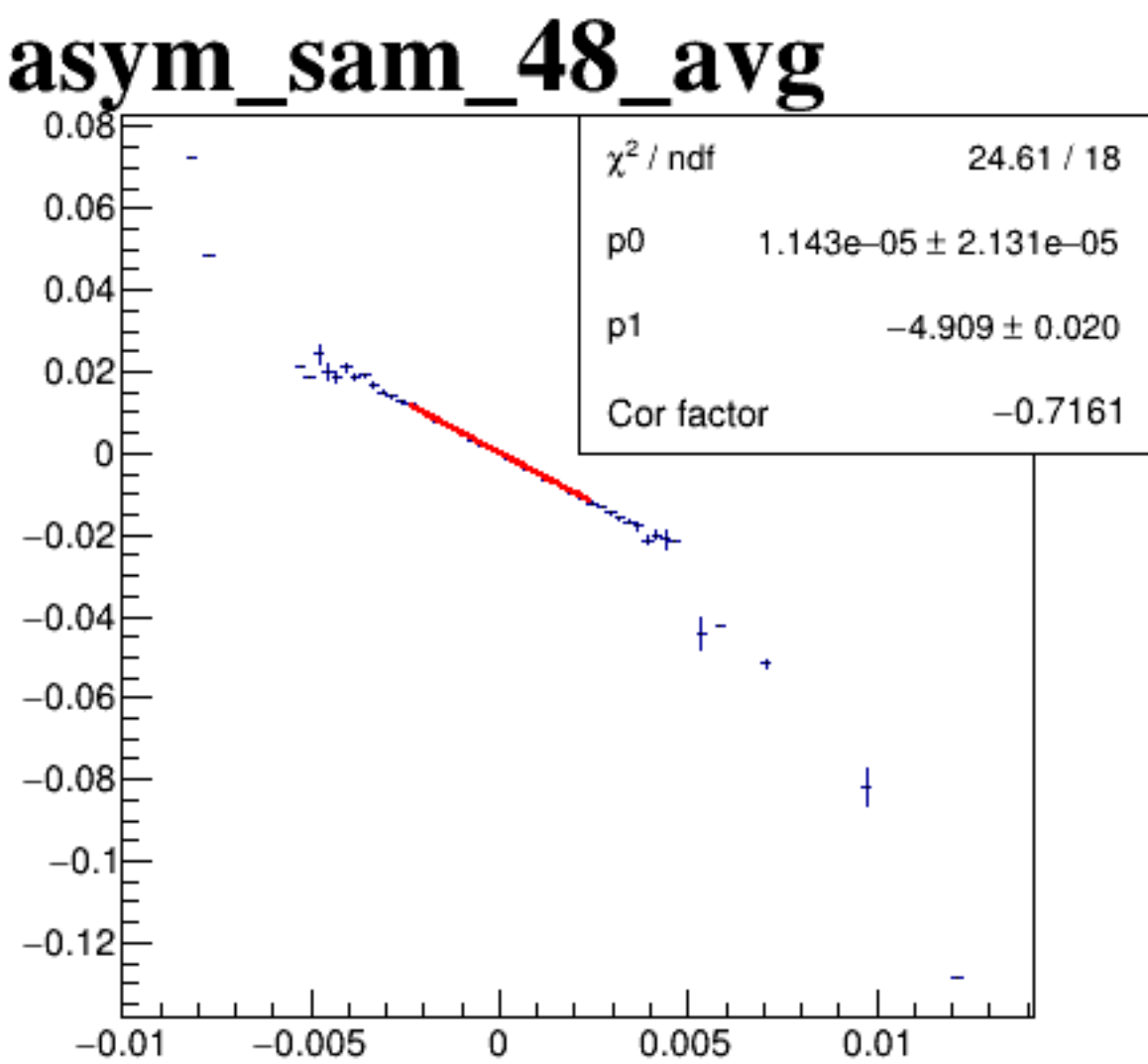
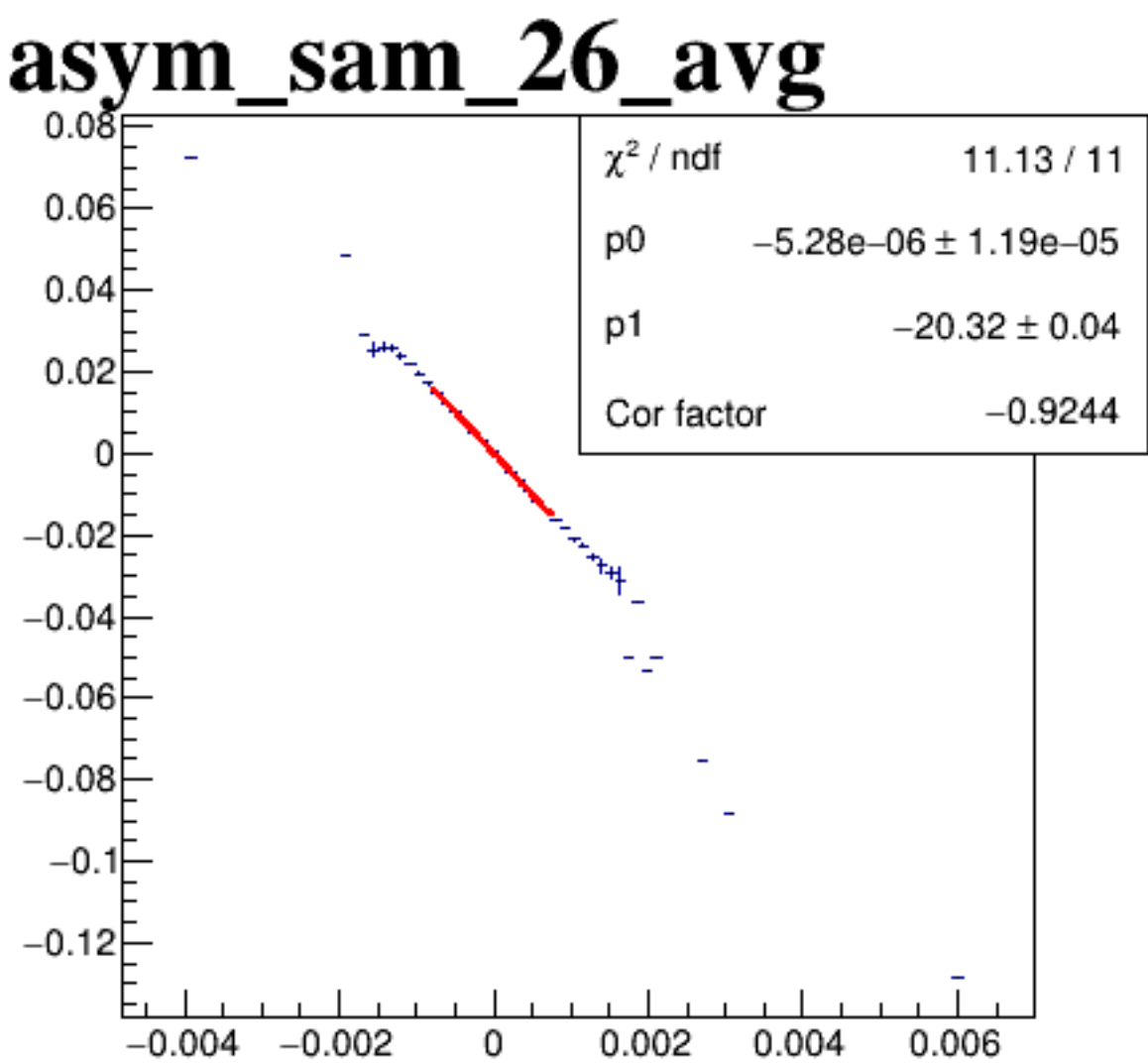
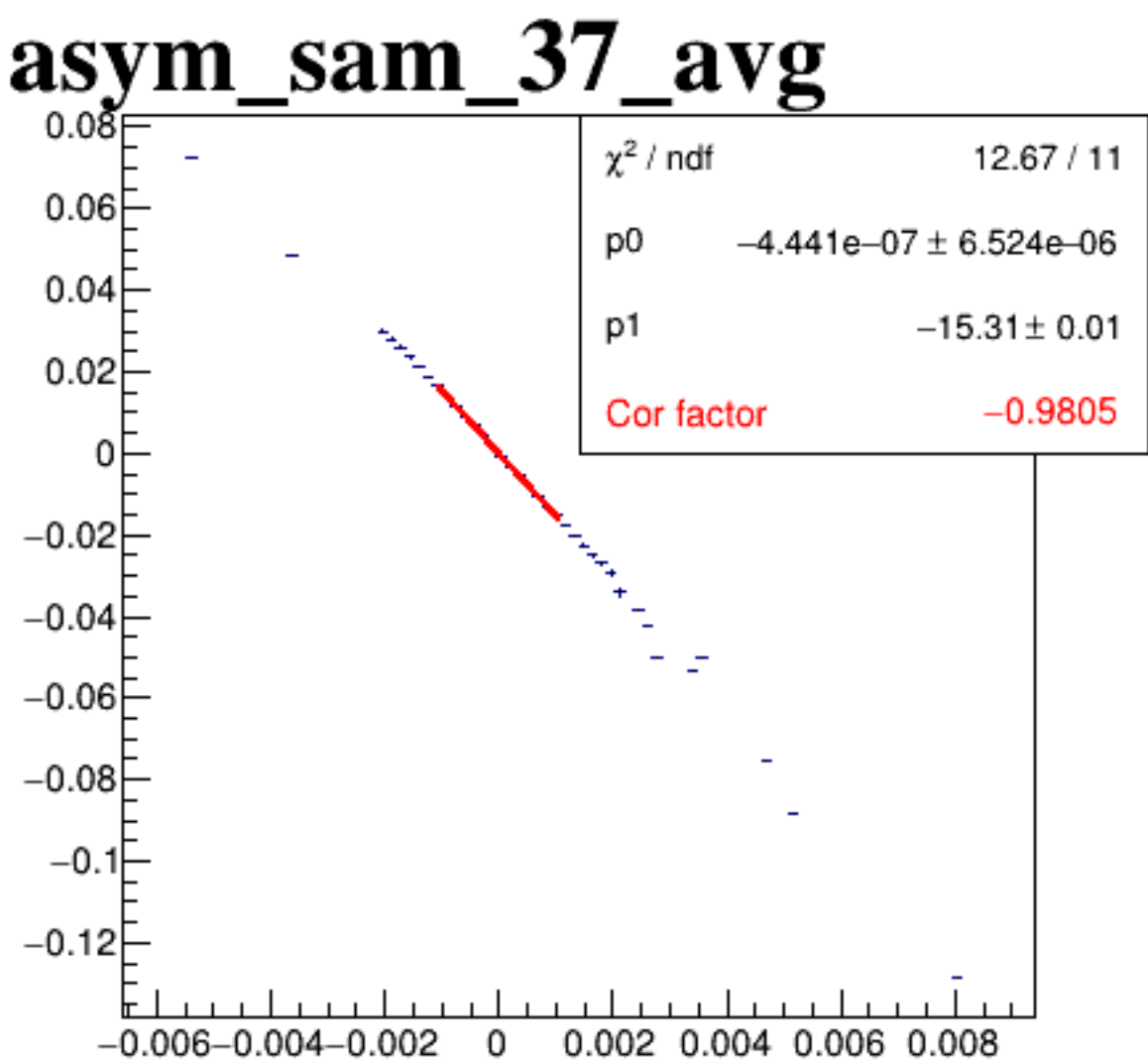
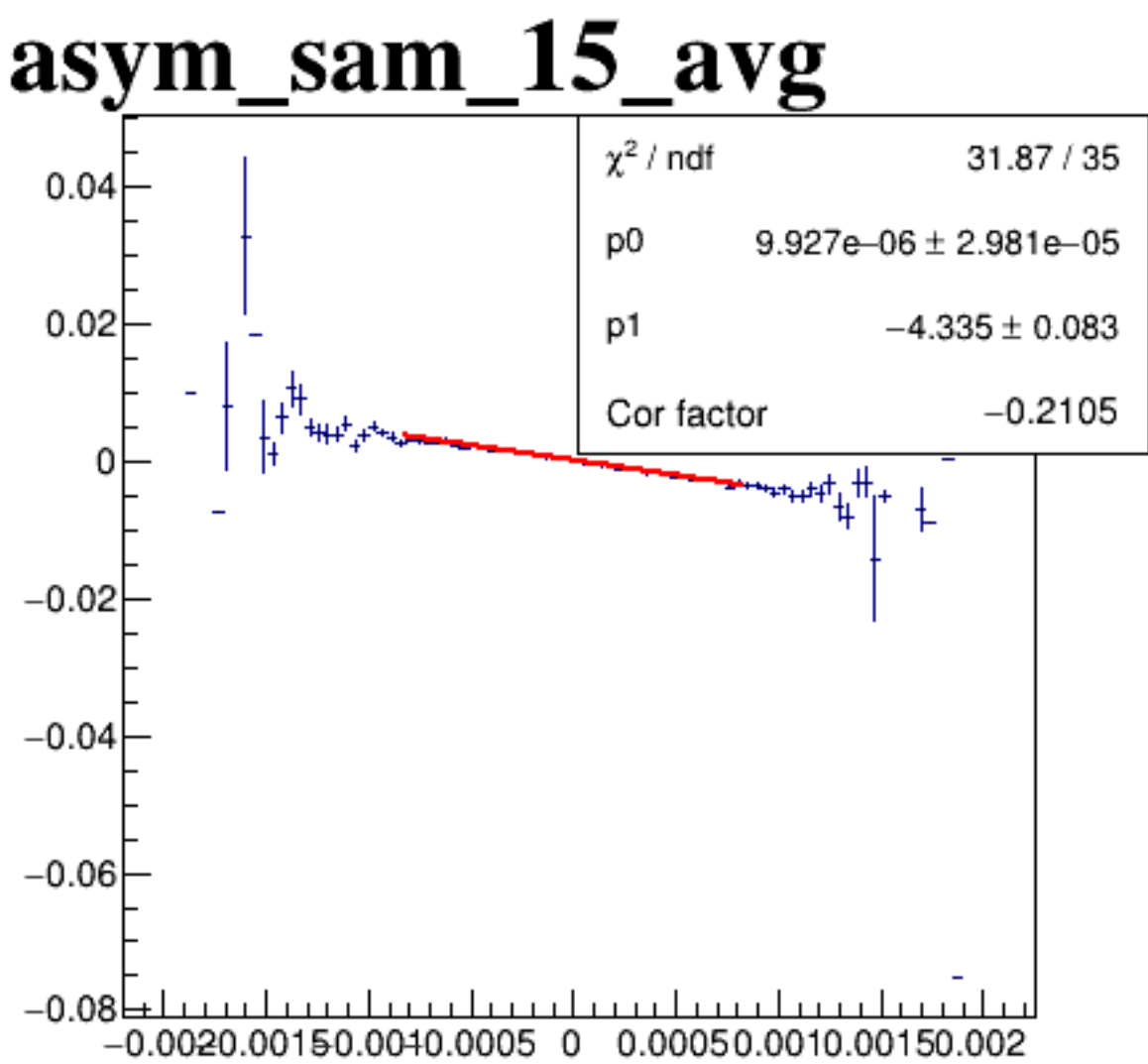
asym\_sam\_26\_avg



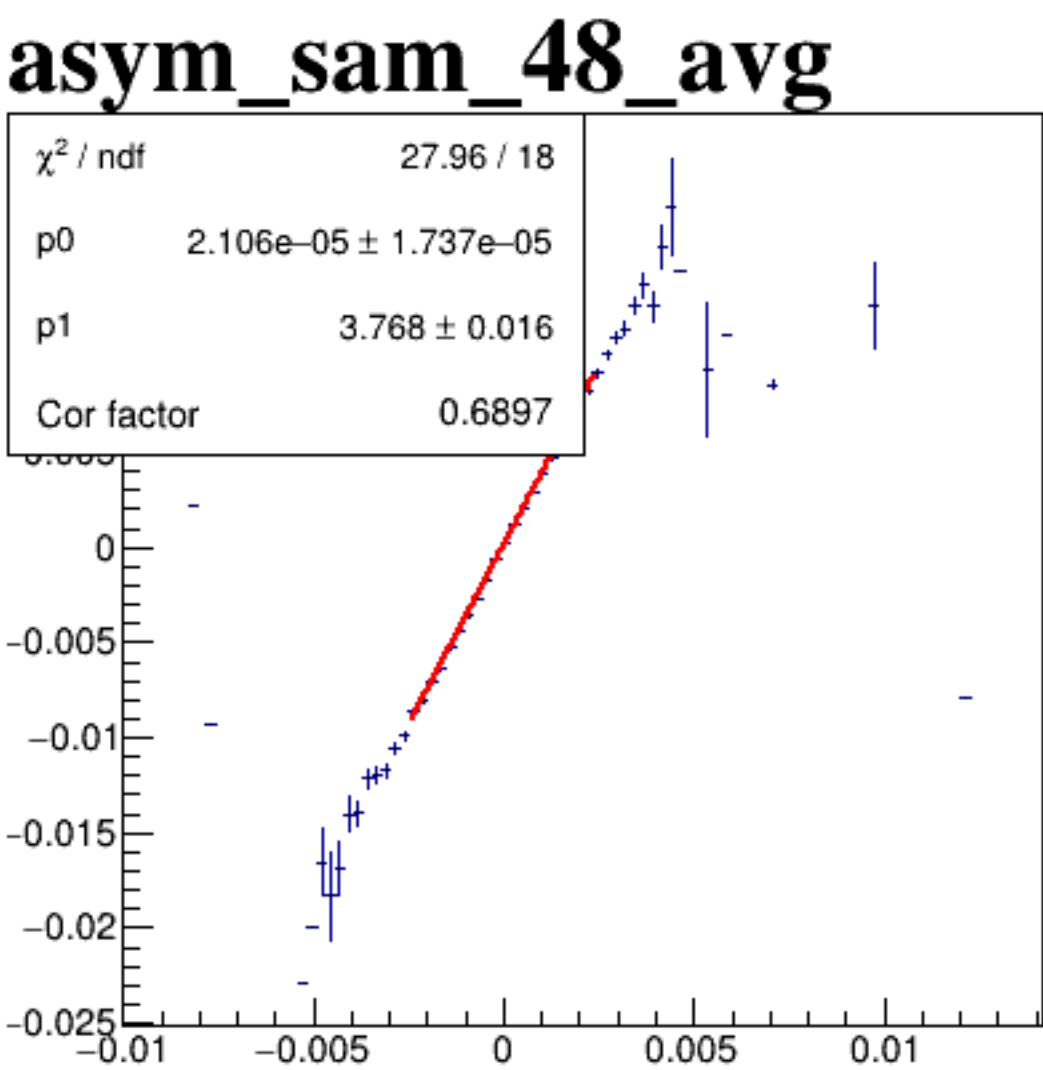
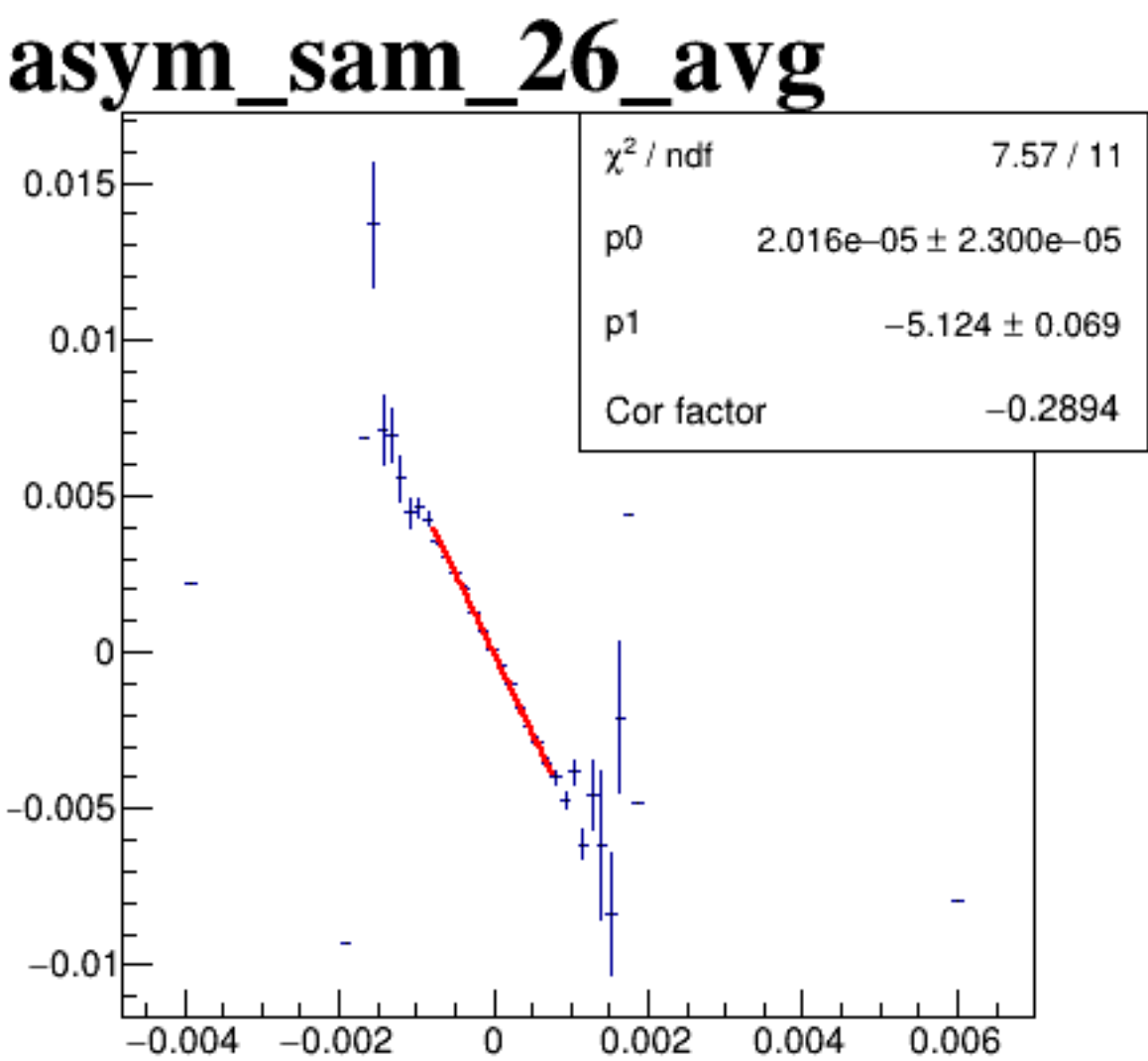
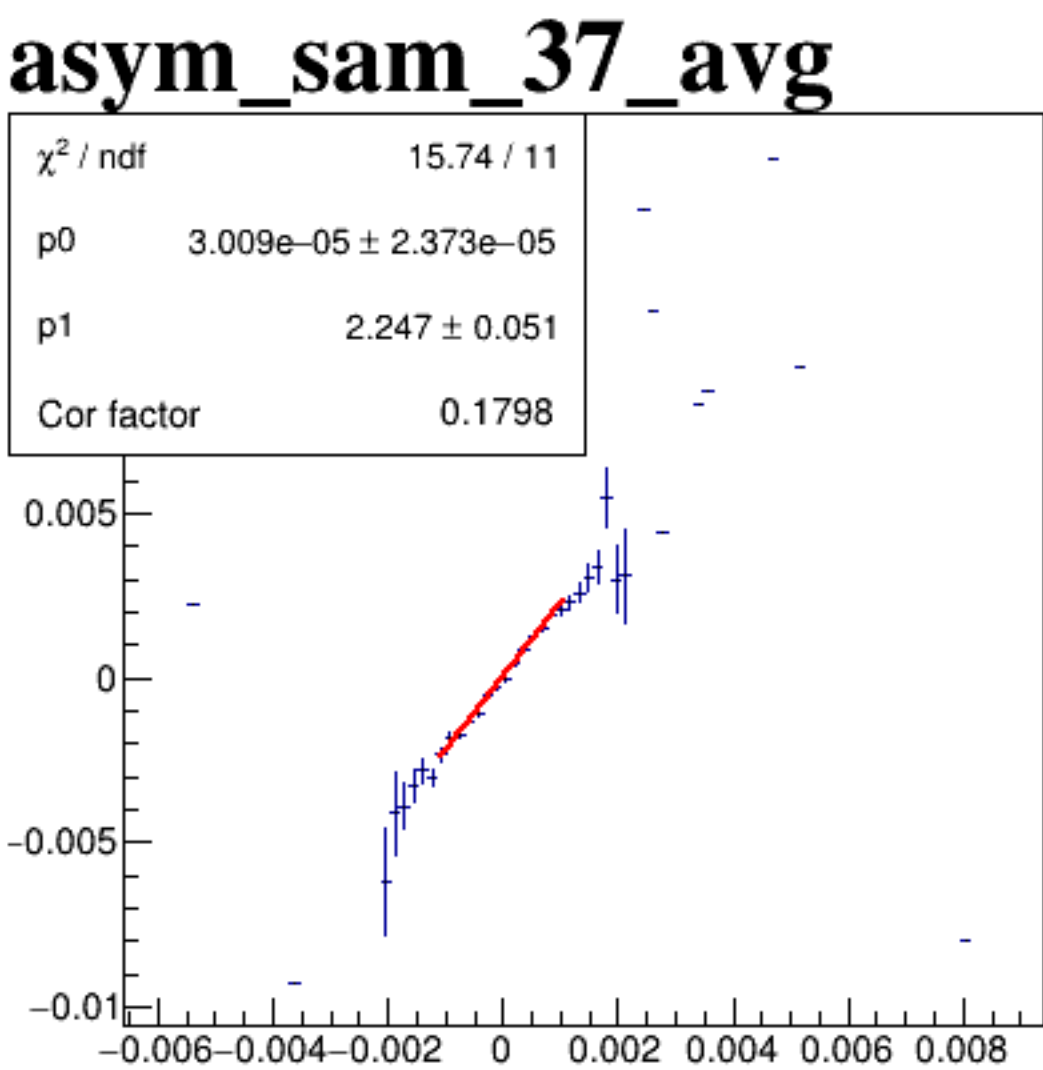
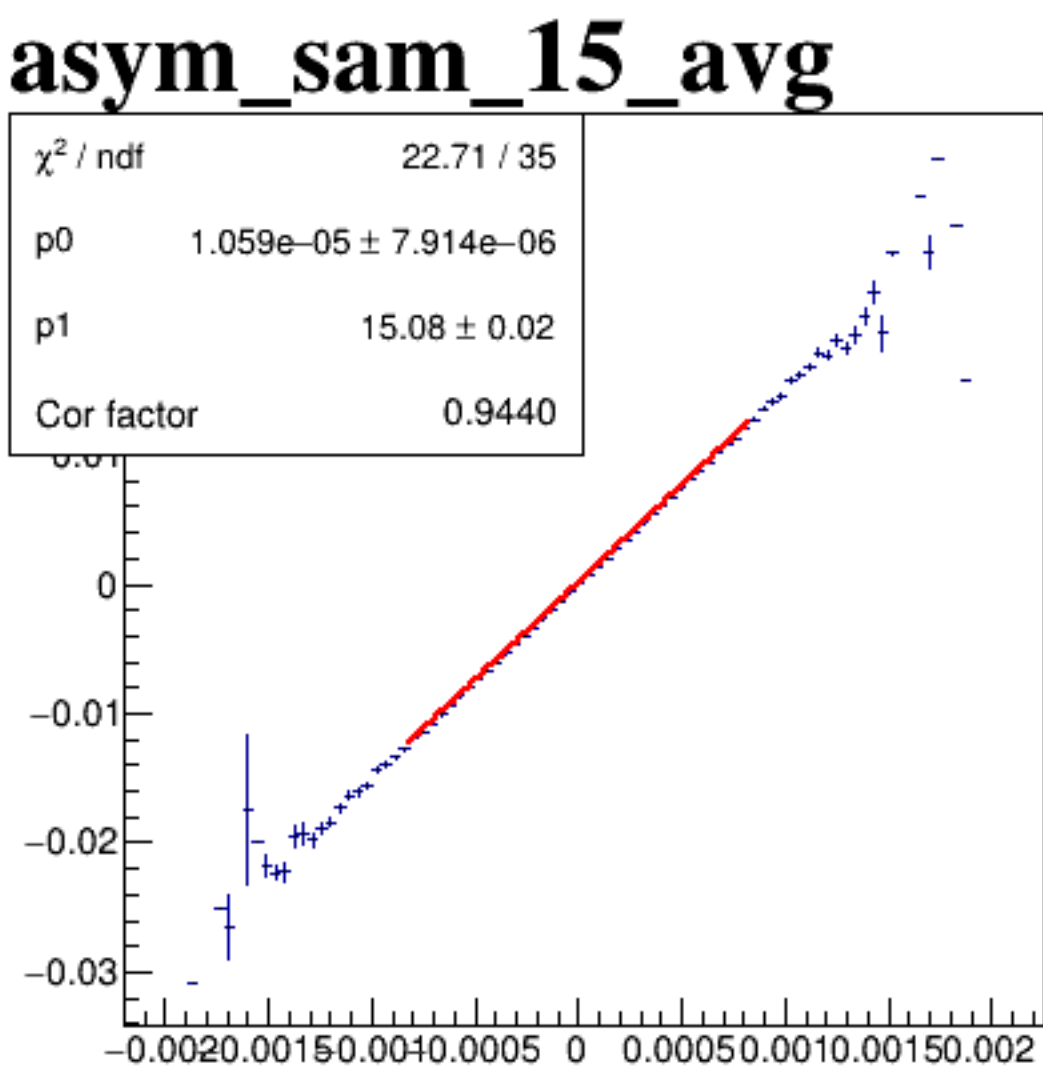
asym\_sam\_48\_avg



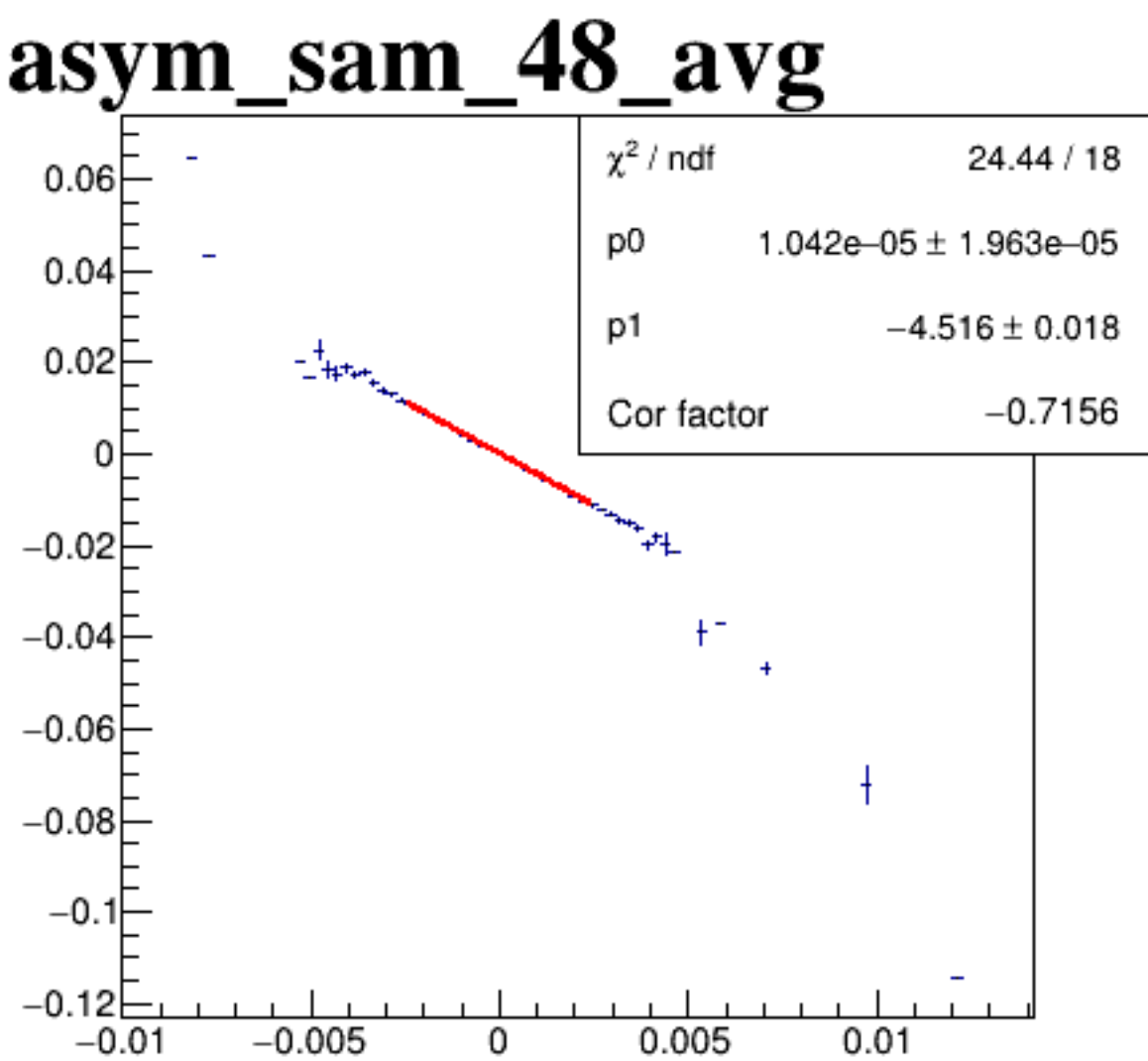
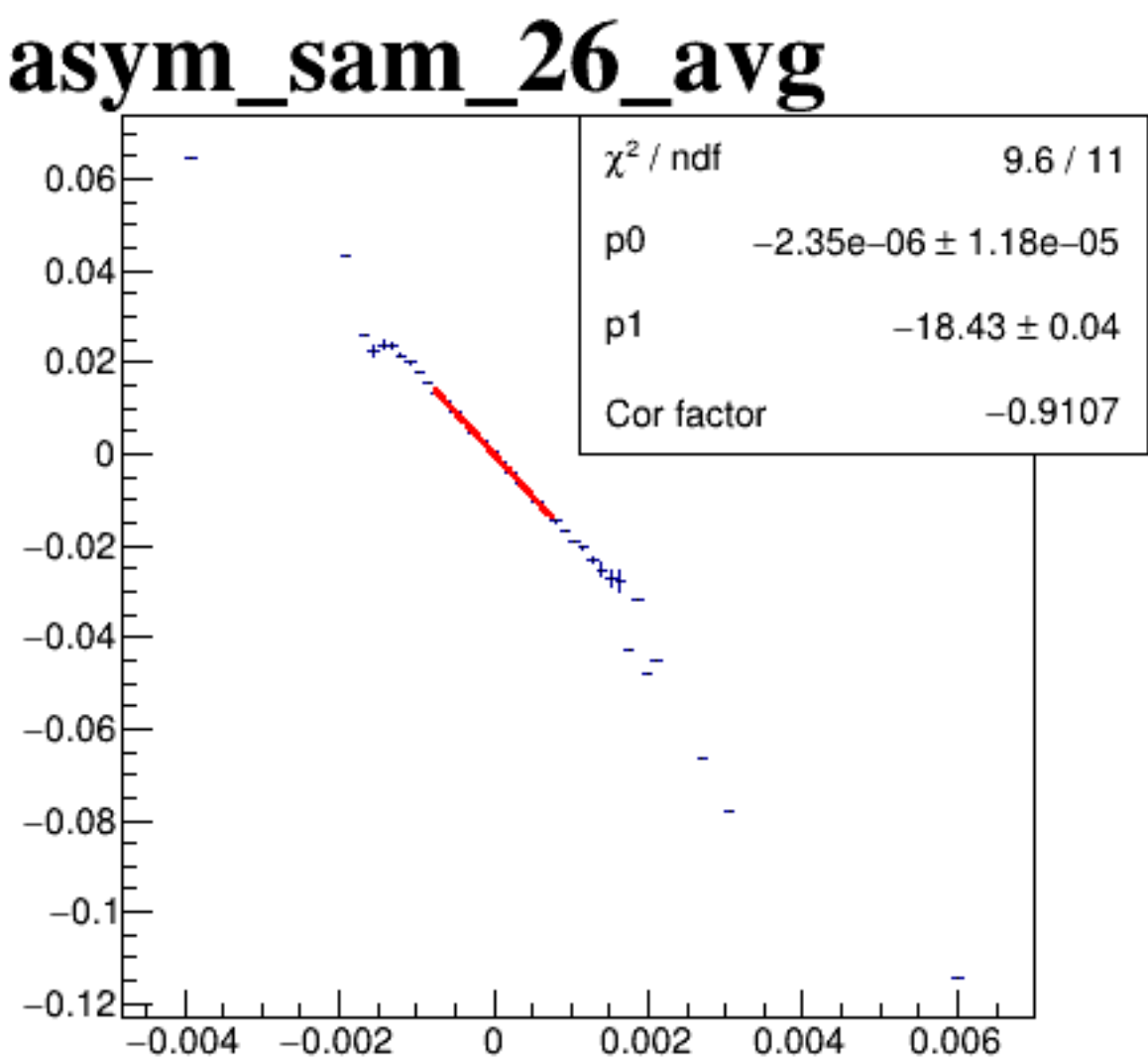
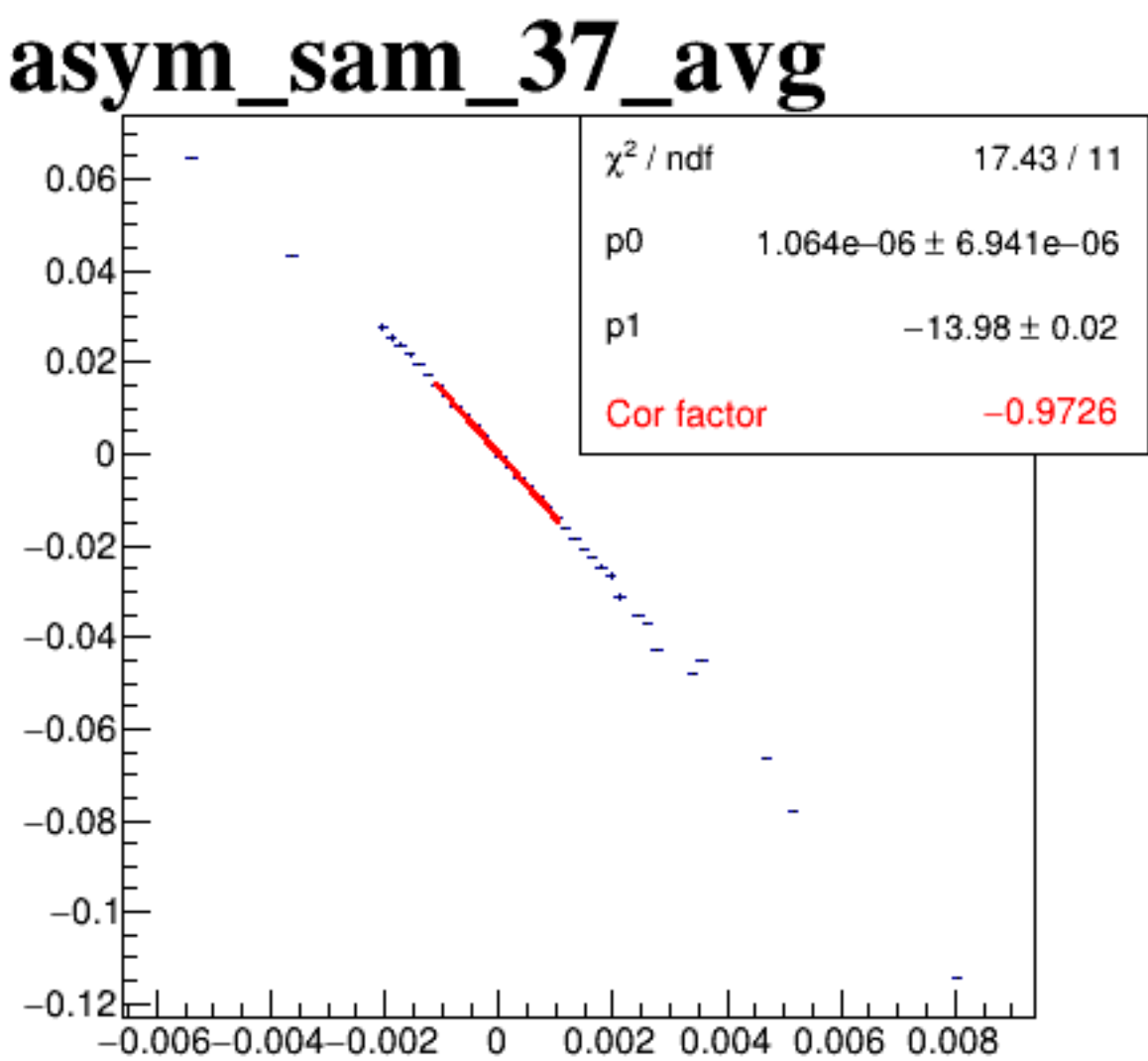
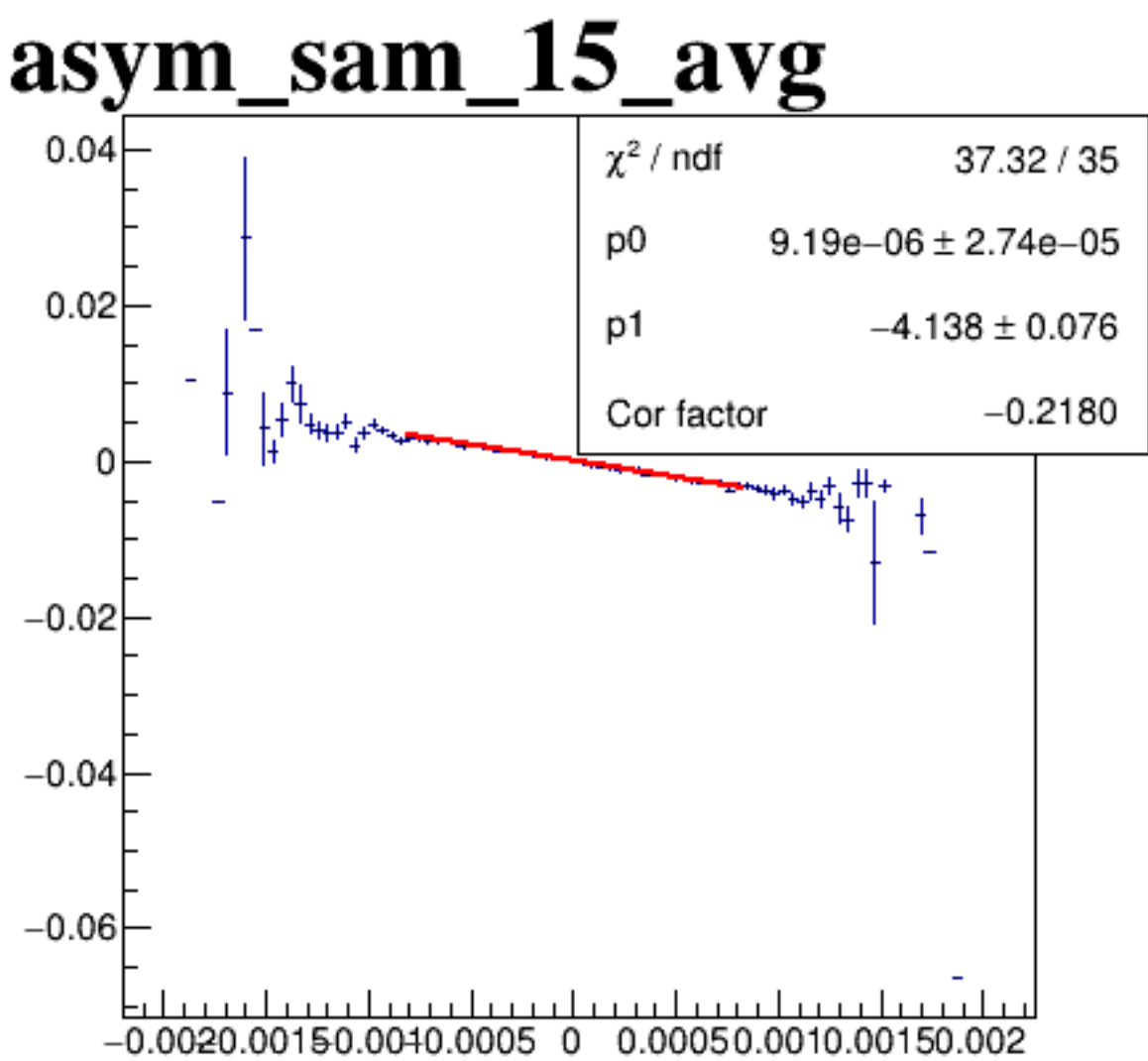
diff\_bpm4aX



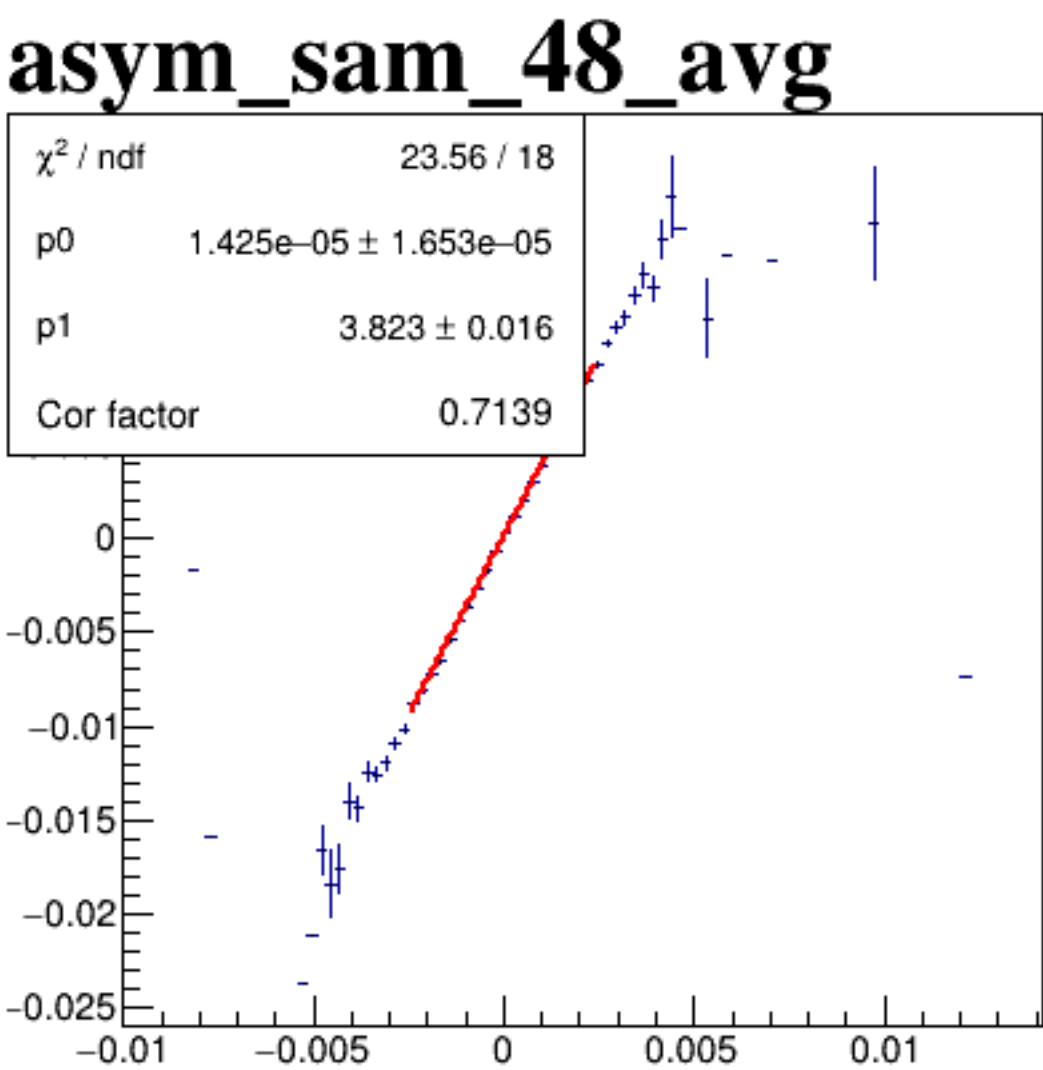
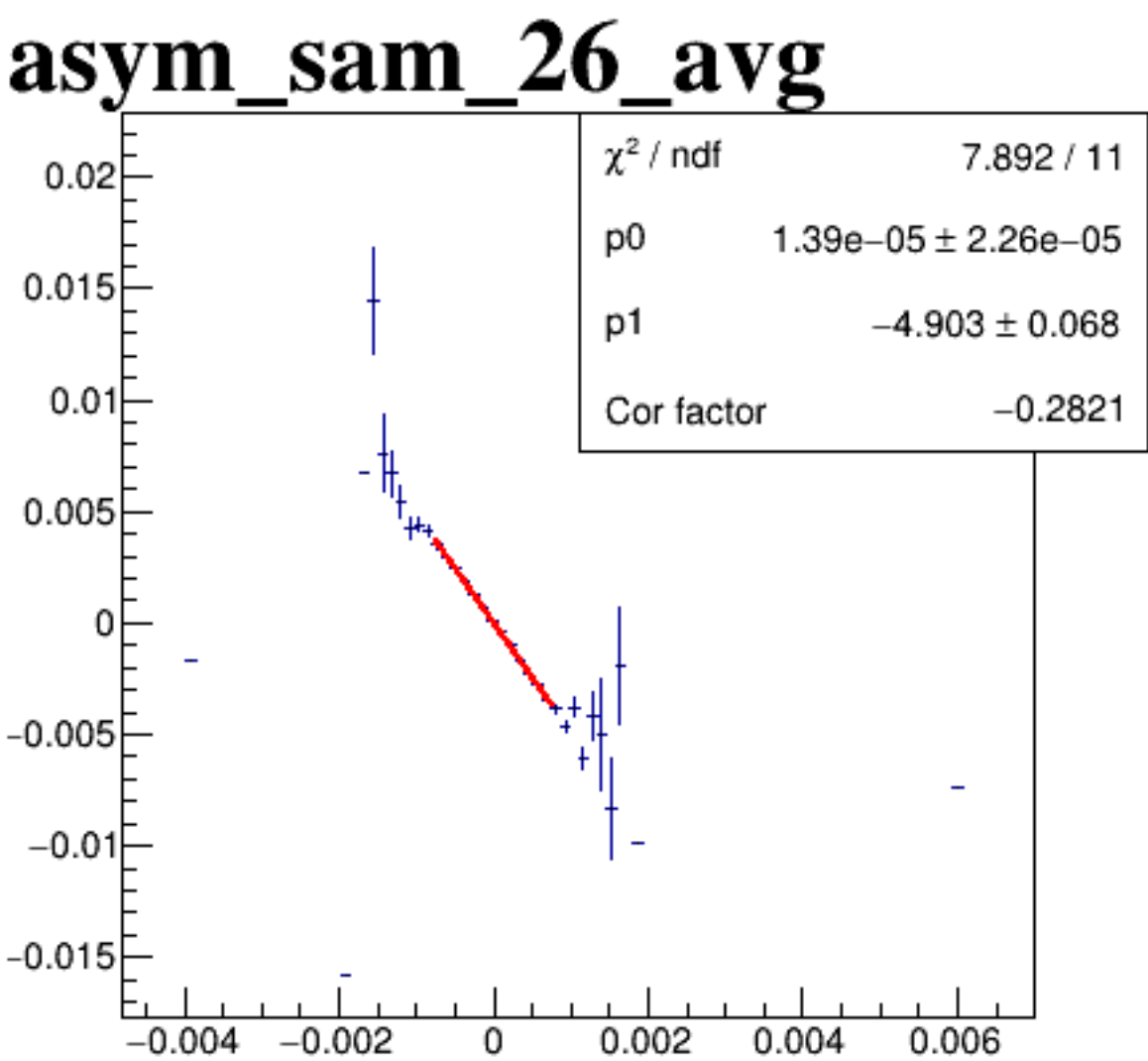
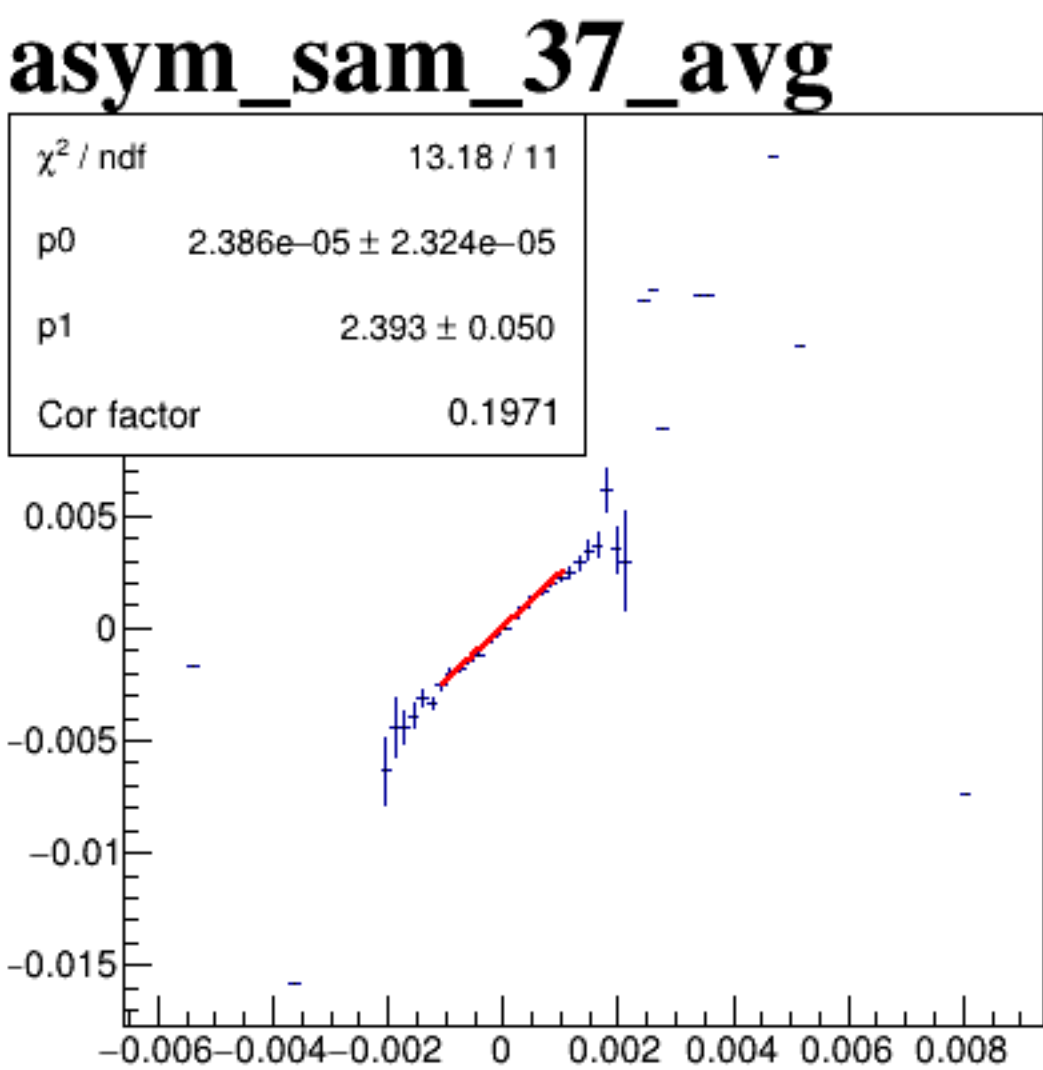
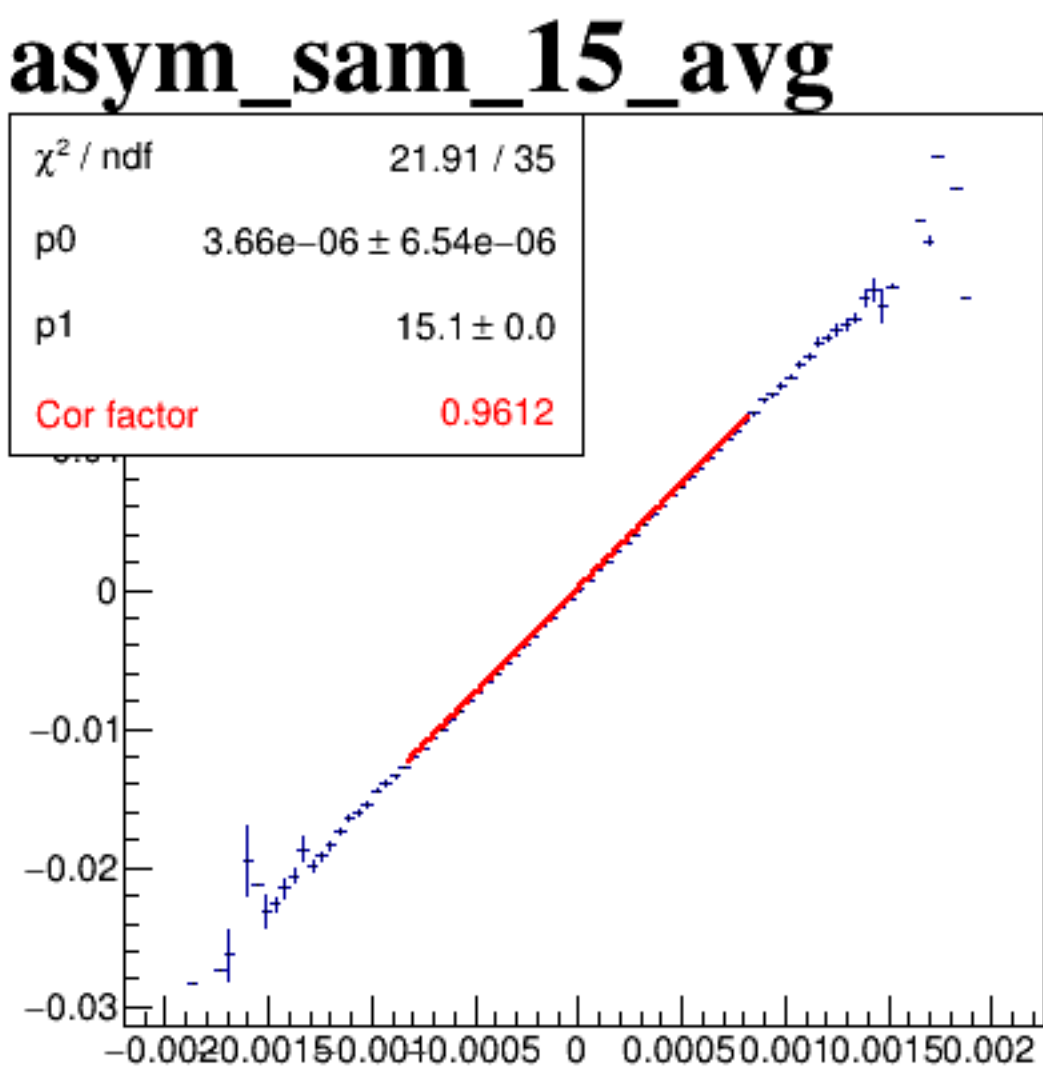
diff\_bpm4aY



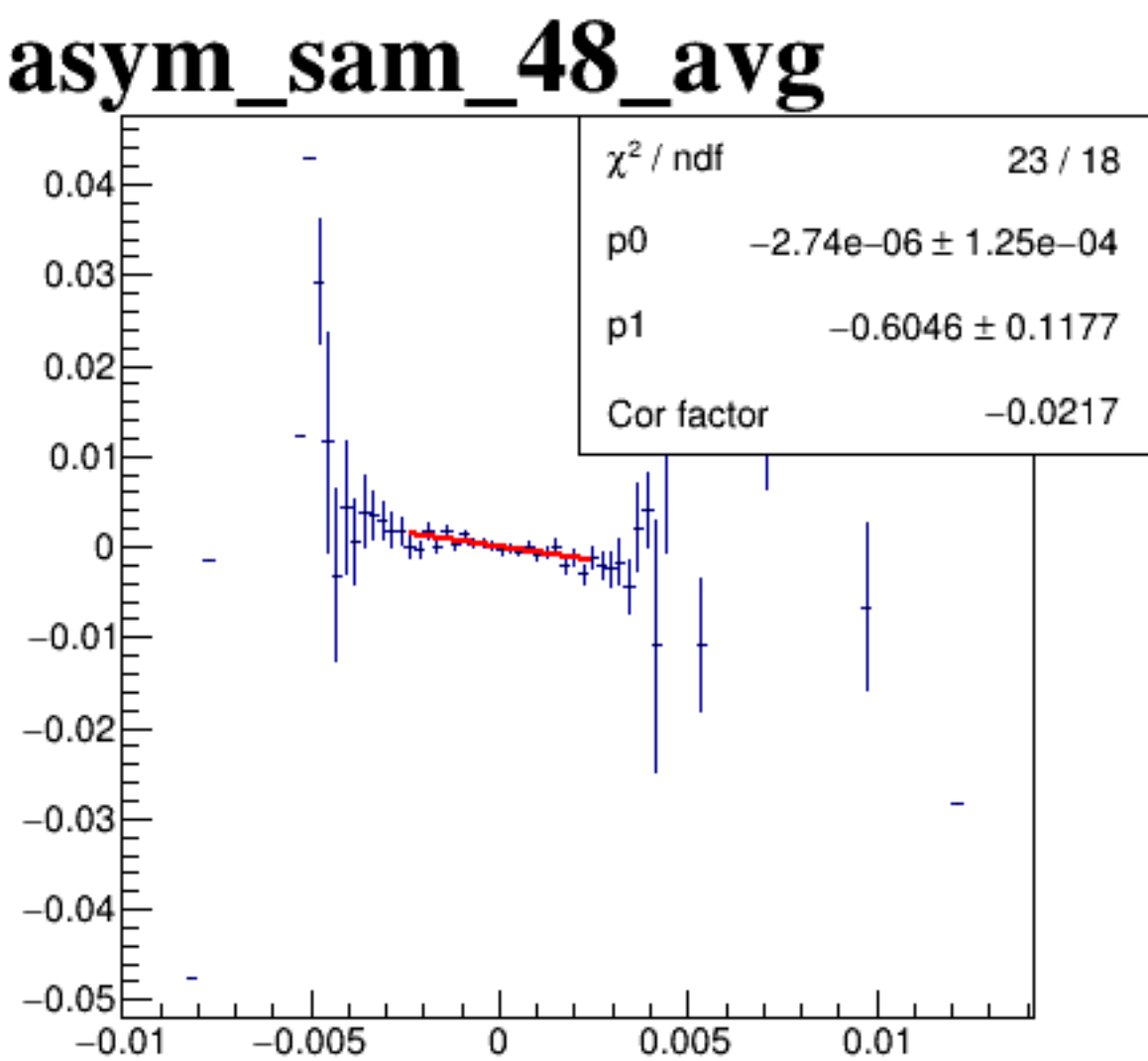
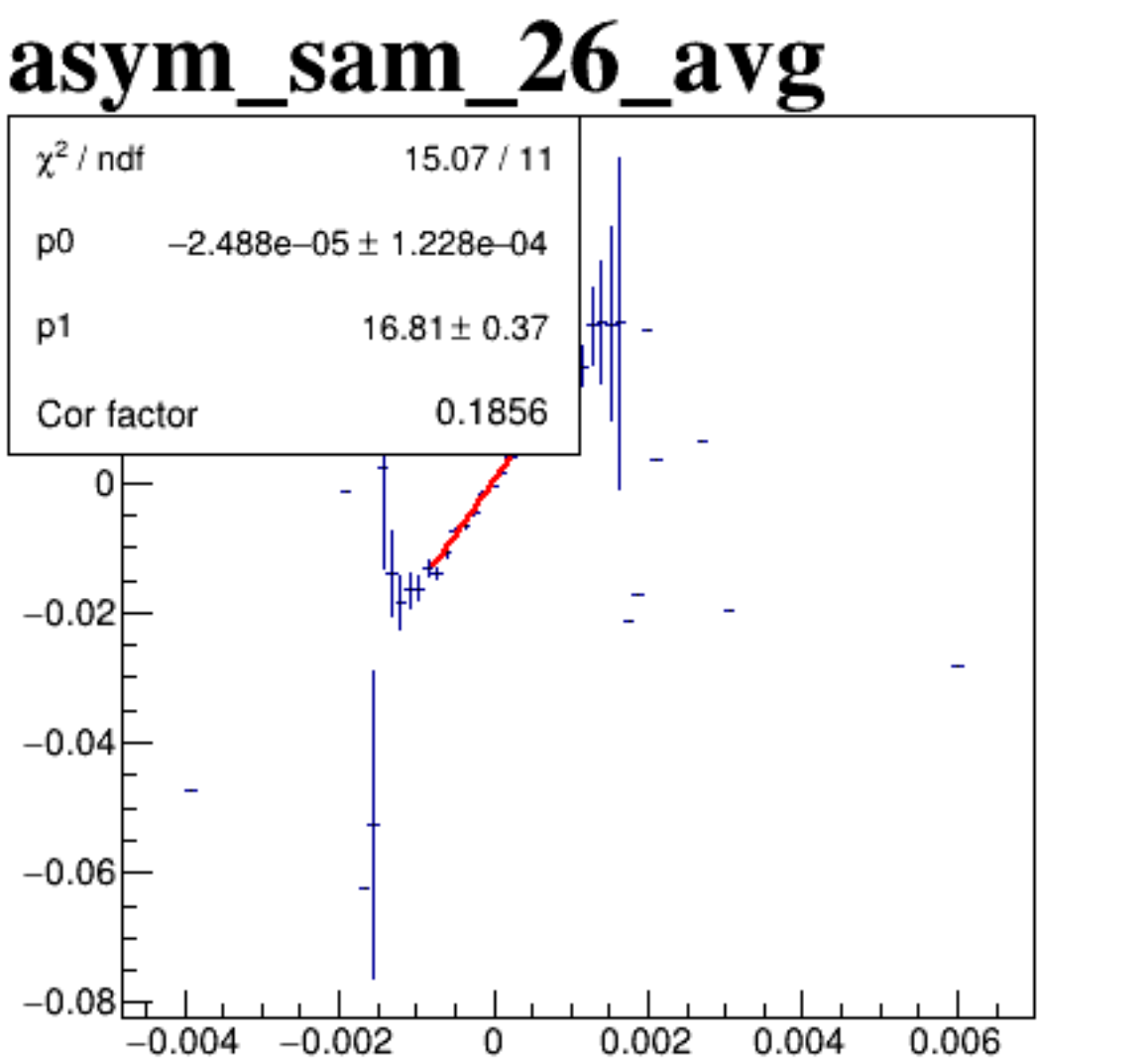
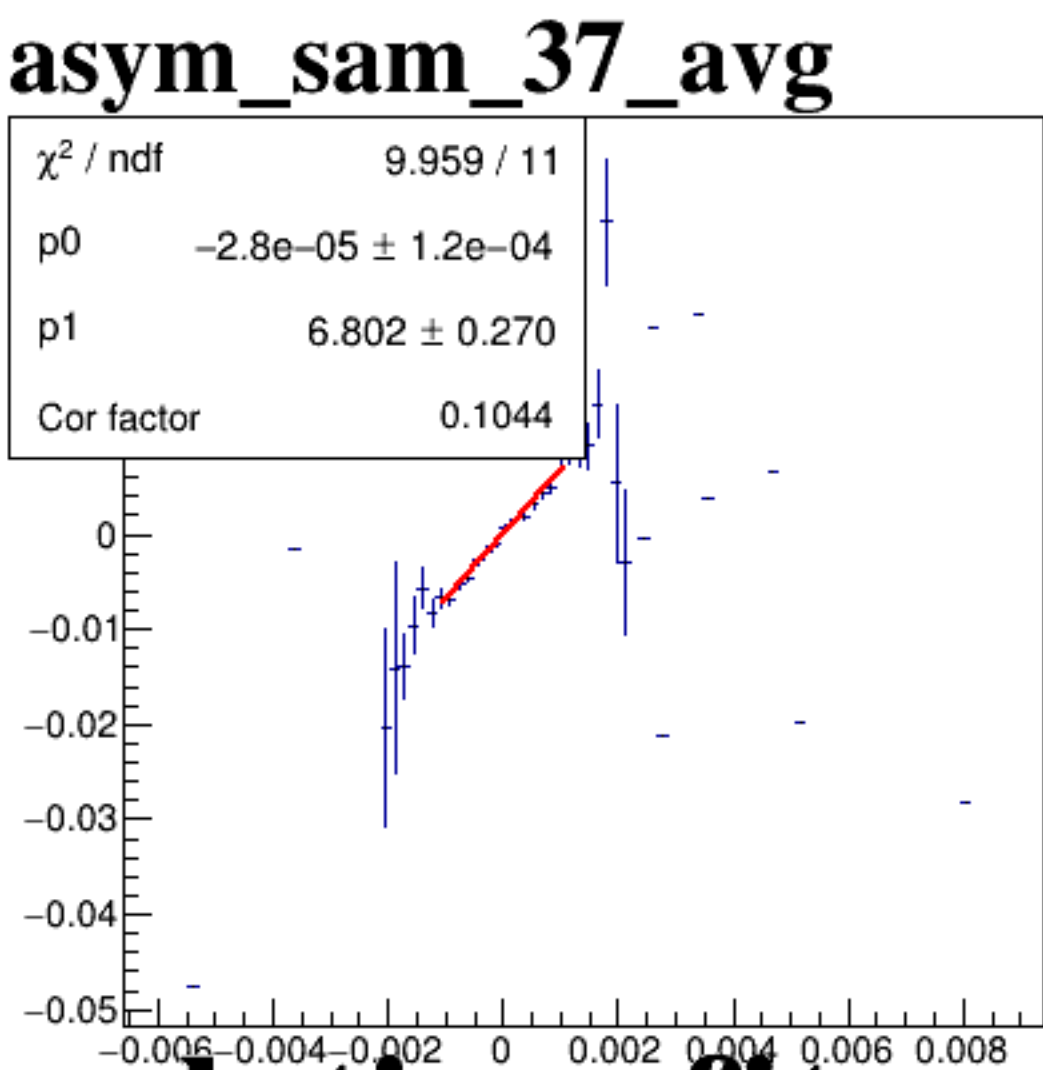
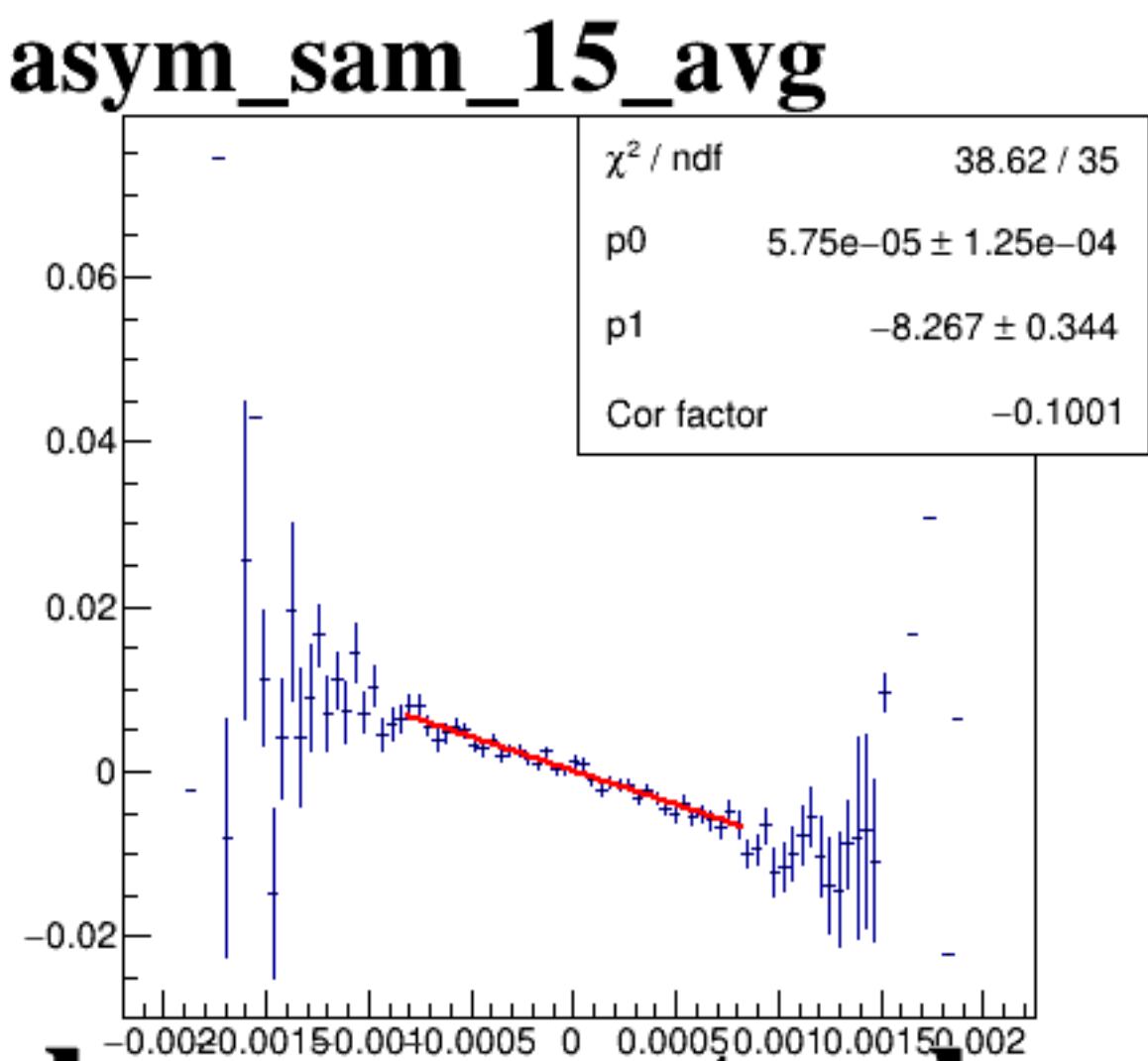
diff\_bpm4eX



diff\_bpm4eY



diff\_bpm12X



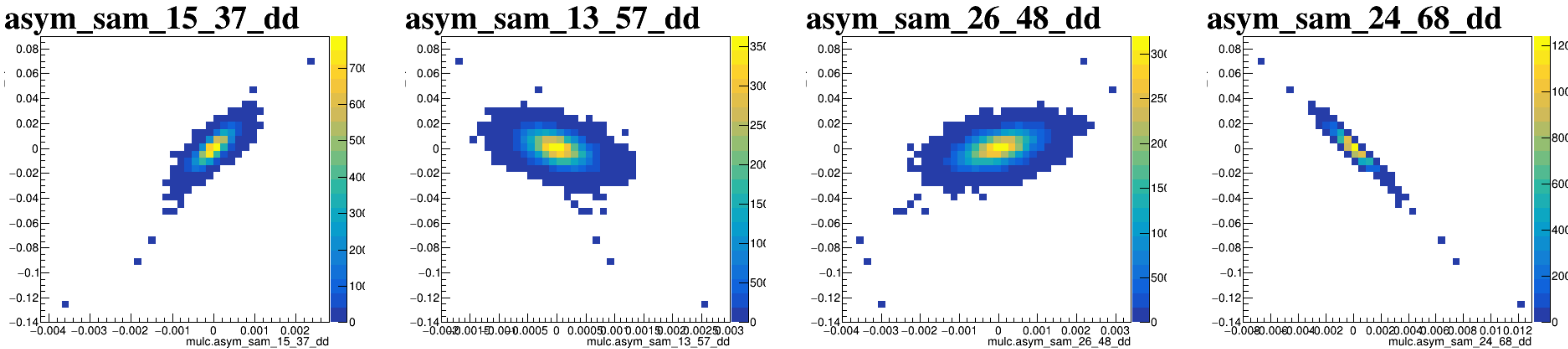
A scatter plot showing the relationship between `mulc.asym_sam_26_avg` (x-axis) and `asym_sam_26_avg` (y-axis). The x-axis ranges from -0.004 to 0.006, and the y-axis ranges from -0.14 to 0.08. The data points form a dense, elongated elliptical cluster centered around (-0.001, 0.01), indicating a strong negative correlation between the two variables.

A scatter plot showing the relationship between `mul.c.asym_sam_26_avg` (x-axis) and `mul.asym_sam_26_avg` (y-axis). The x-axis ranges from -0.004 to 0.006, and the y-axis ranges from -0.03 to 0.03. The data points are tightly clustered around the origin (0,0), forming an elongated, vertically oriented ellipse. The plot is titled `asym_sam_26_avg`.

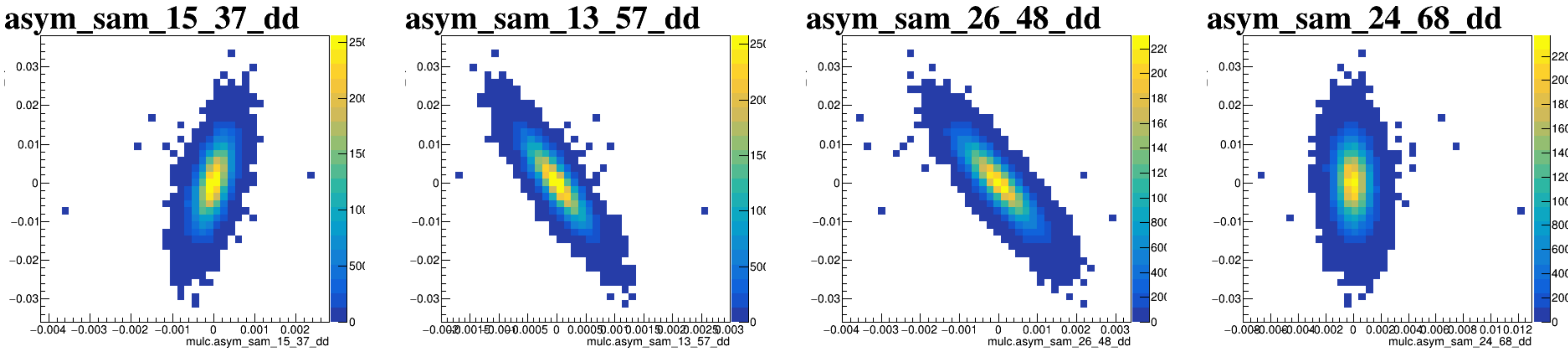
A scatter plot showing the relationship between `asym_sam_48_avg` (y-axis) and `mulc.asym_sam_48_avg` (x-axis). The y-axis ranges from -0.12 to 0.08, and the x-axis ranges from -0.010 to 0.014. The data points form a dense, elongated elliptical cluster centered around (0, 0), indicating a strong positive correlation.

Scatter plot titled "asym\_sam\_15\_avg". The y-axis is labeled "bpm" and ranges from -0.15 to 0.15. The x-axis is labeled "avg" and ranges from -0.0020 to 0.002. The plot shows a dense cloud of points centered around (0,0), with a slight negative correlation visible.

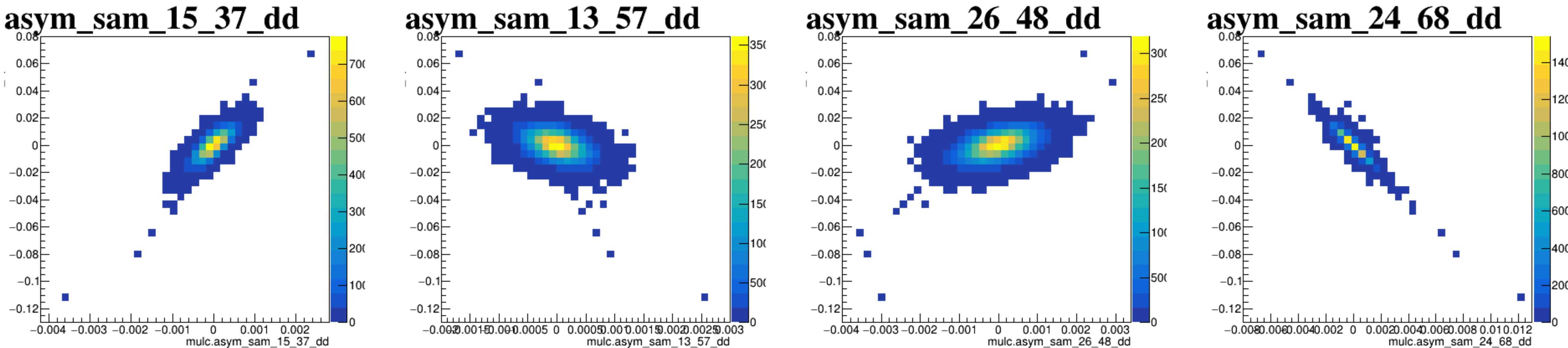
diff\_bpm4aX



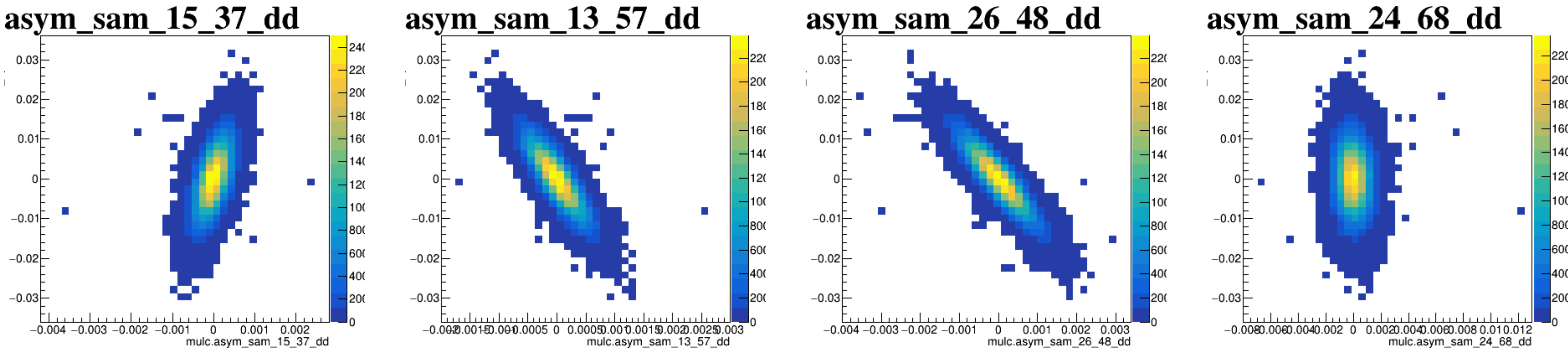
diff\_bpm4aY



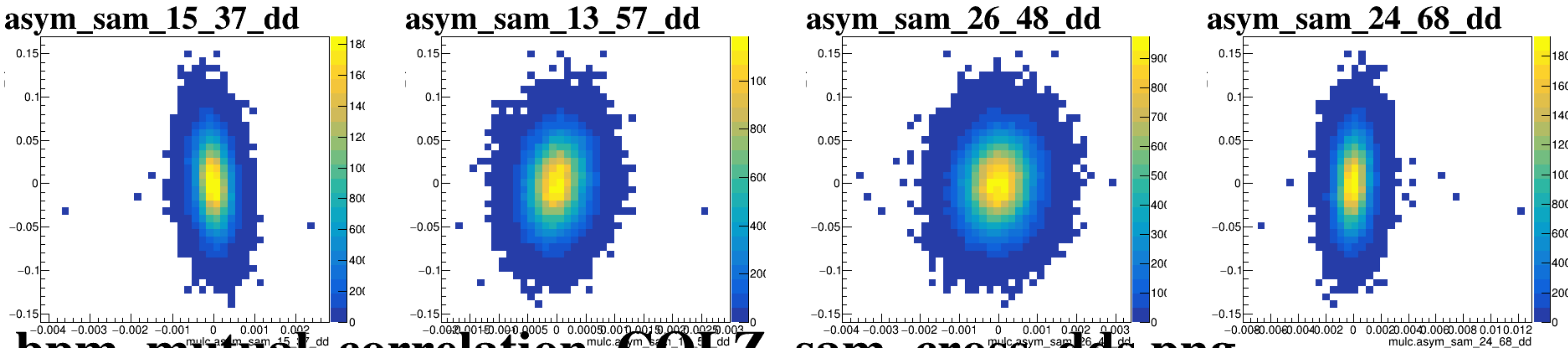
diff\_bpm4eX



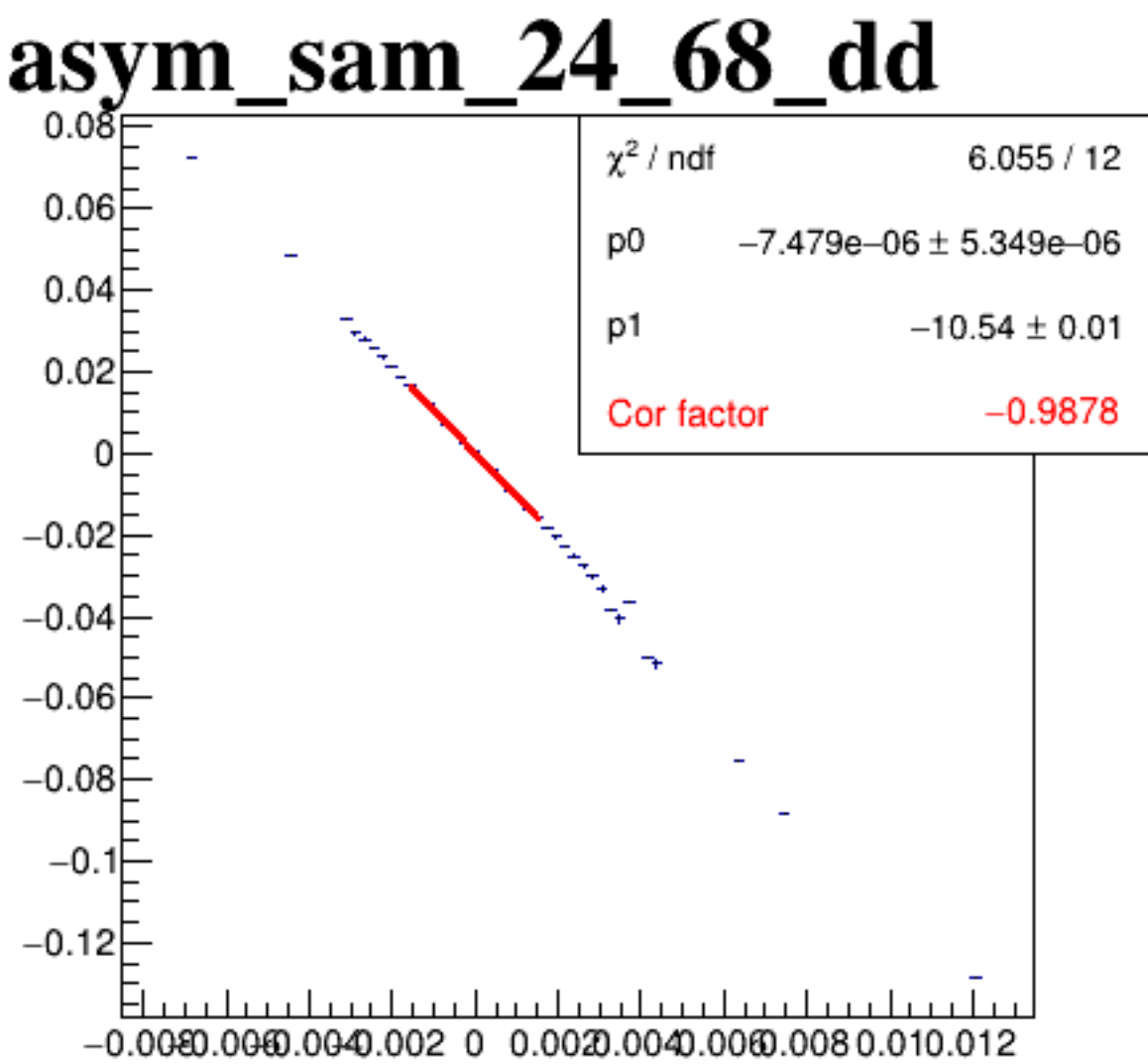
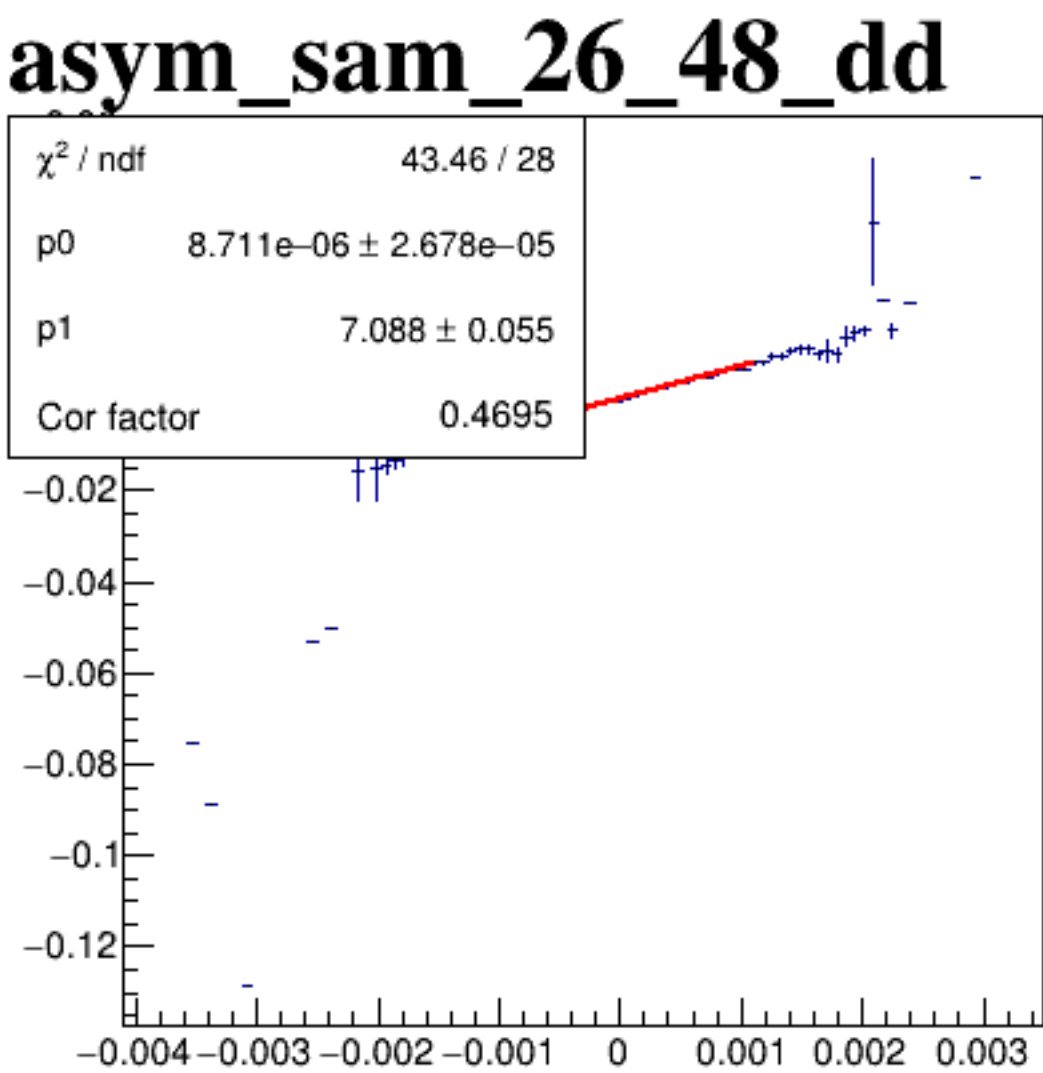
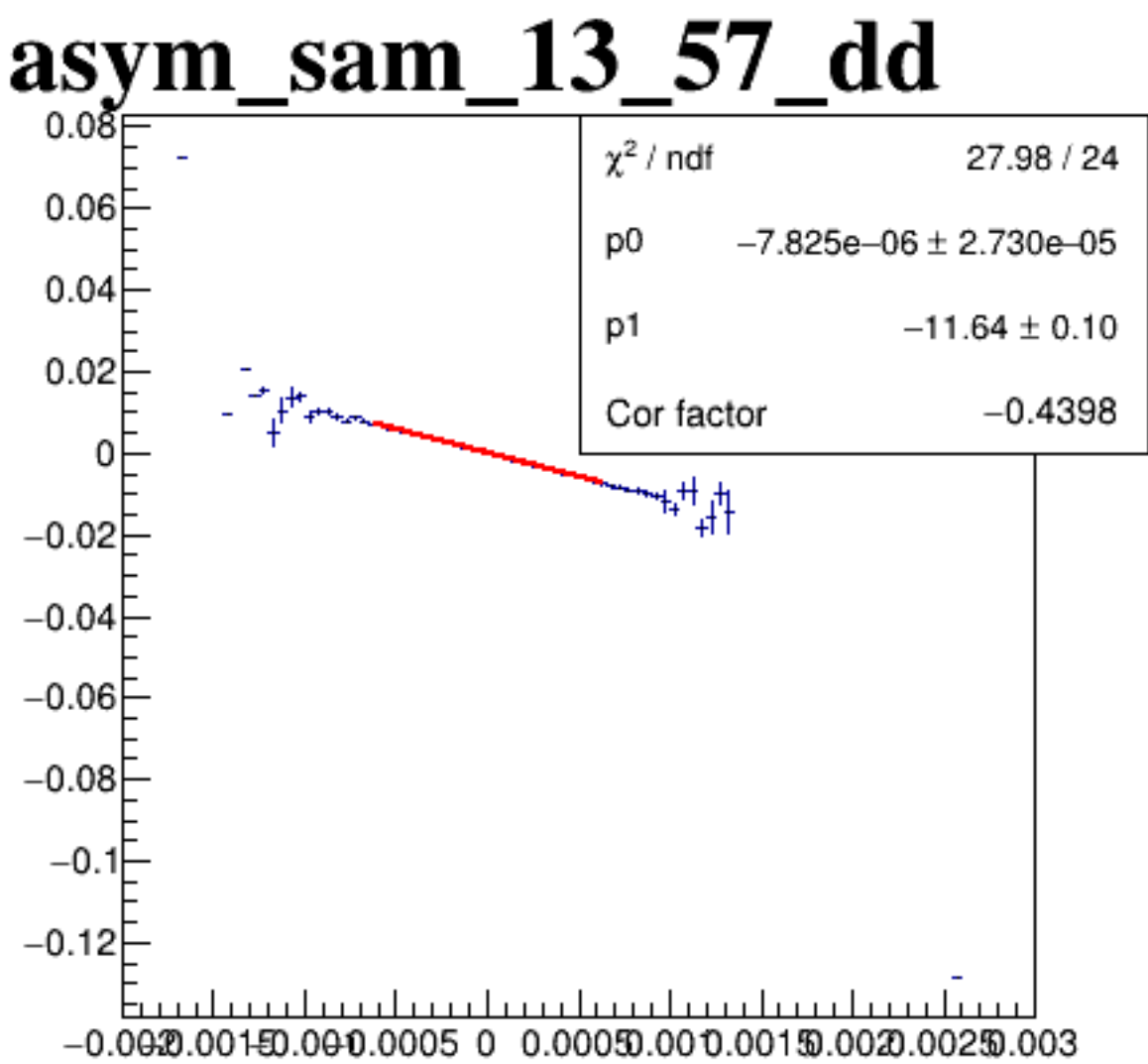
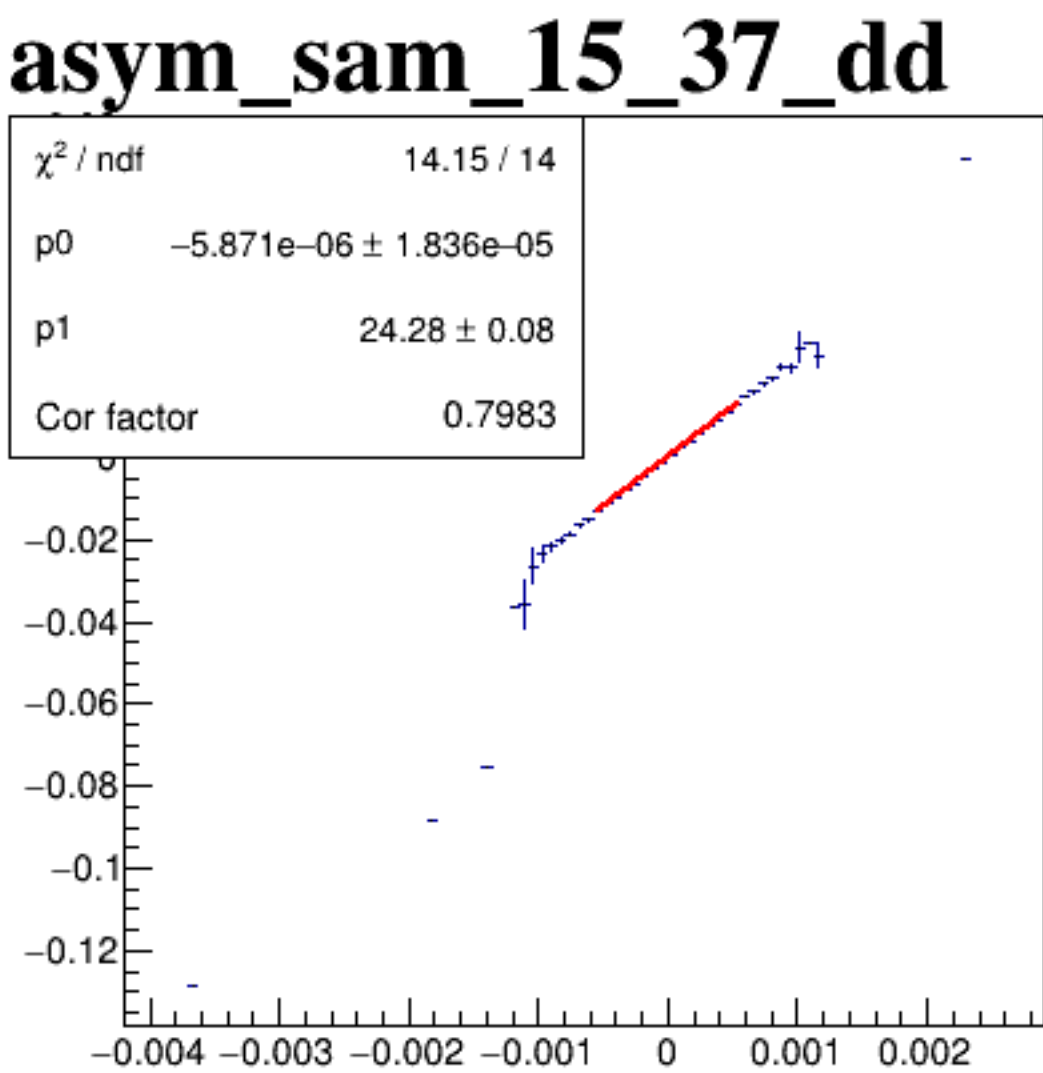
diff\_bpm4eY



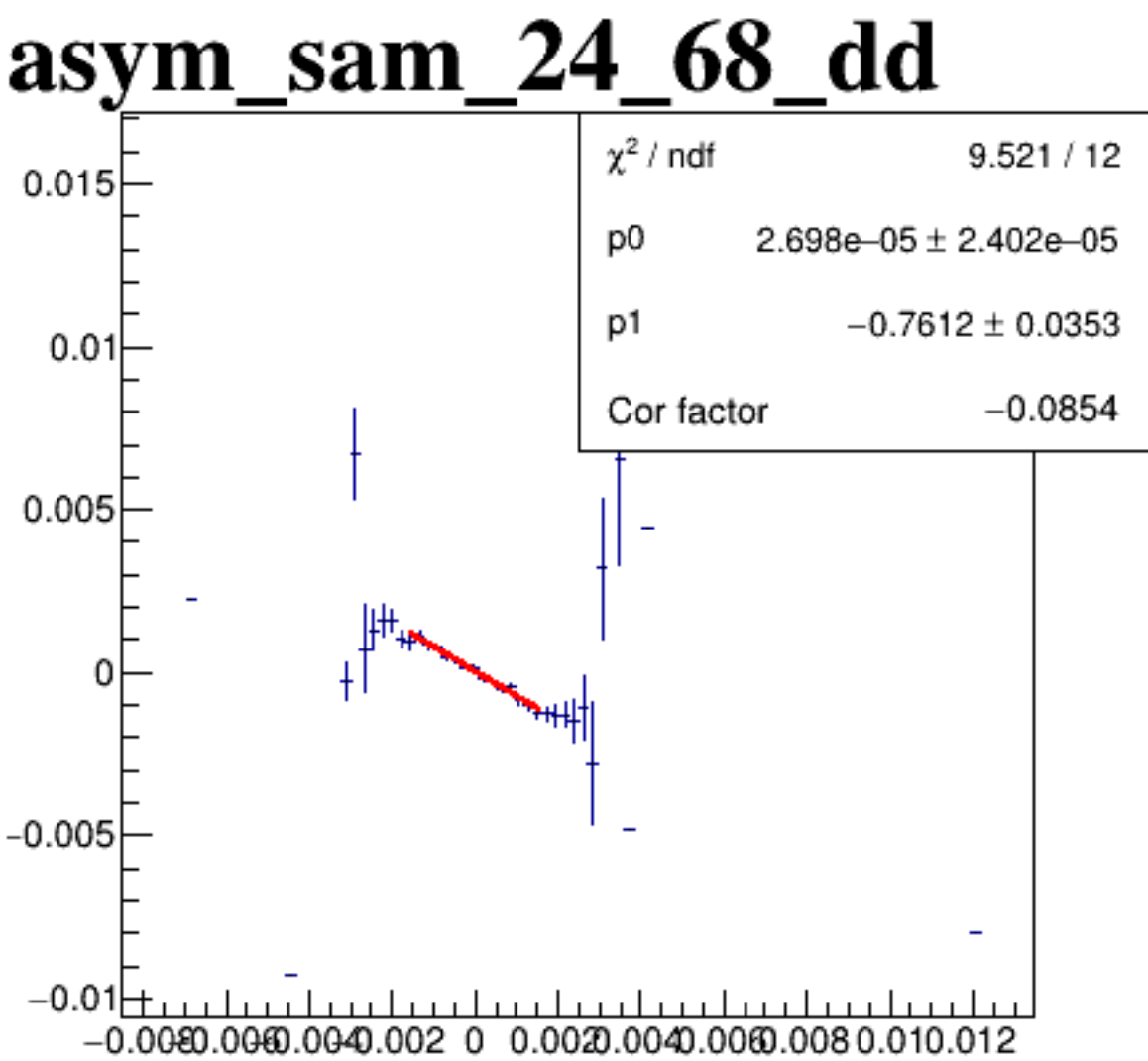
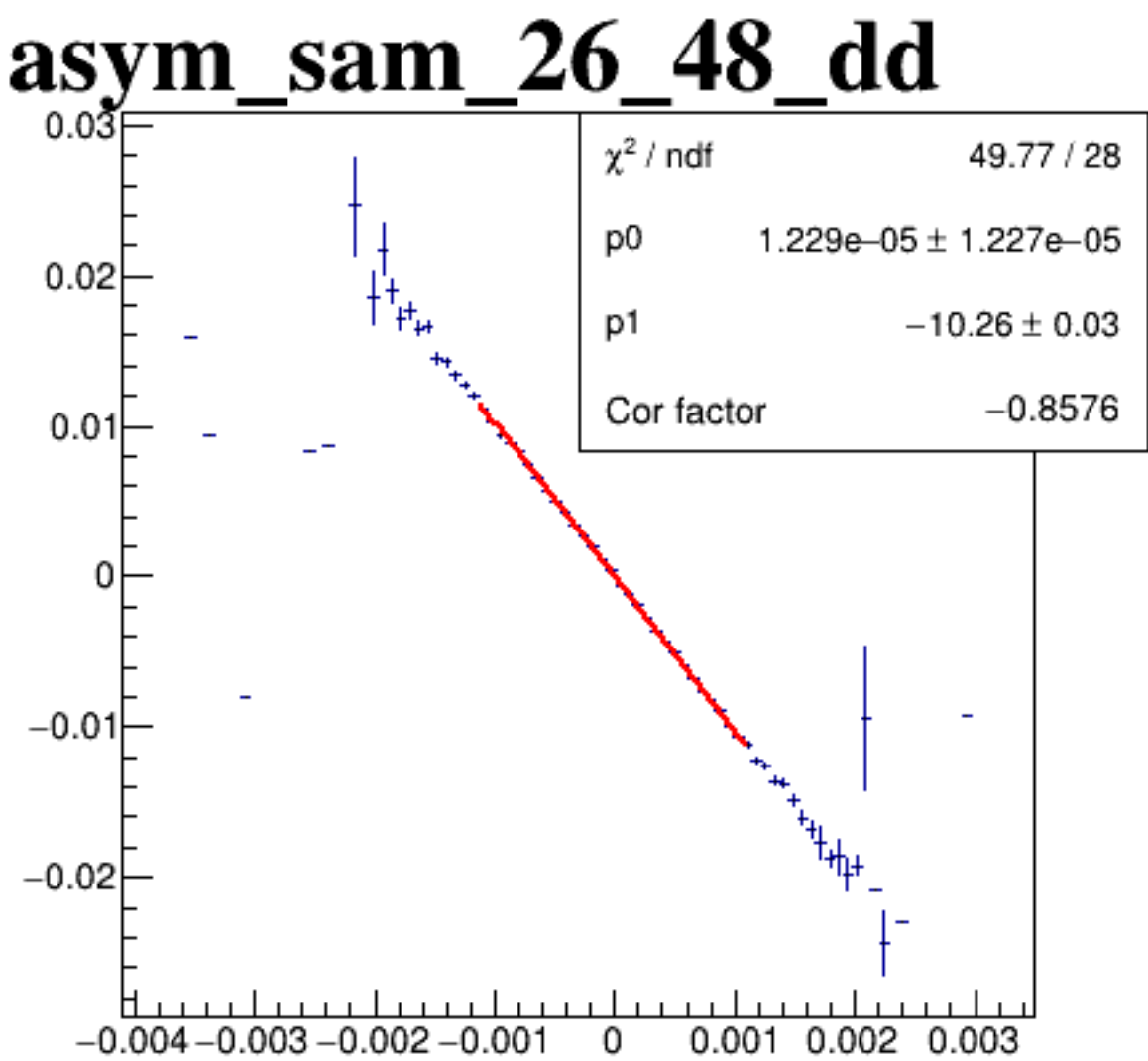
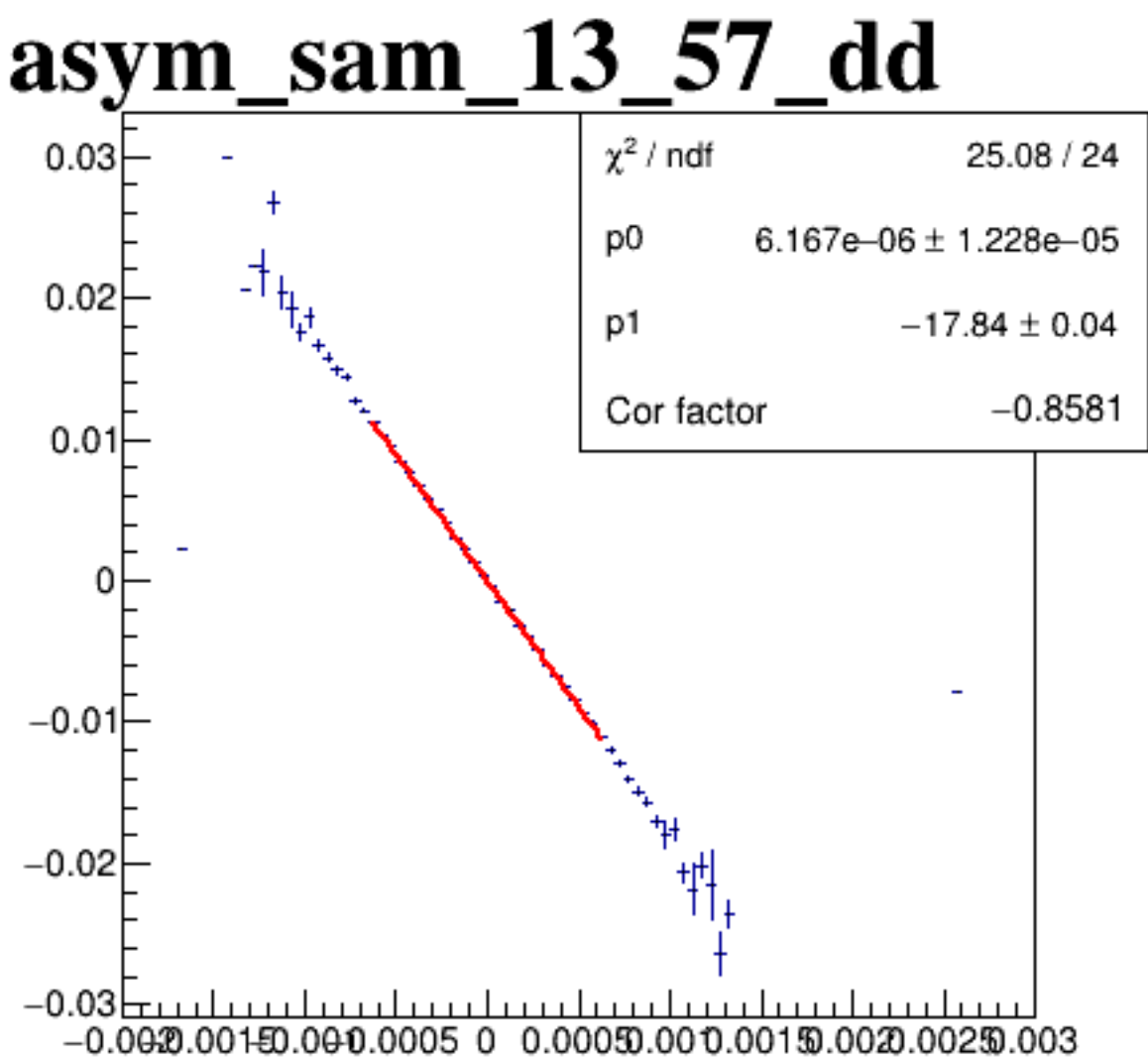
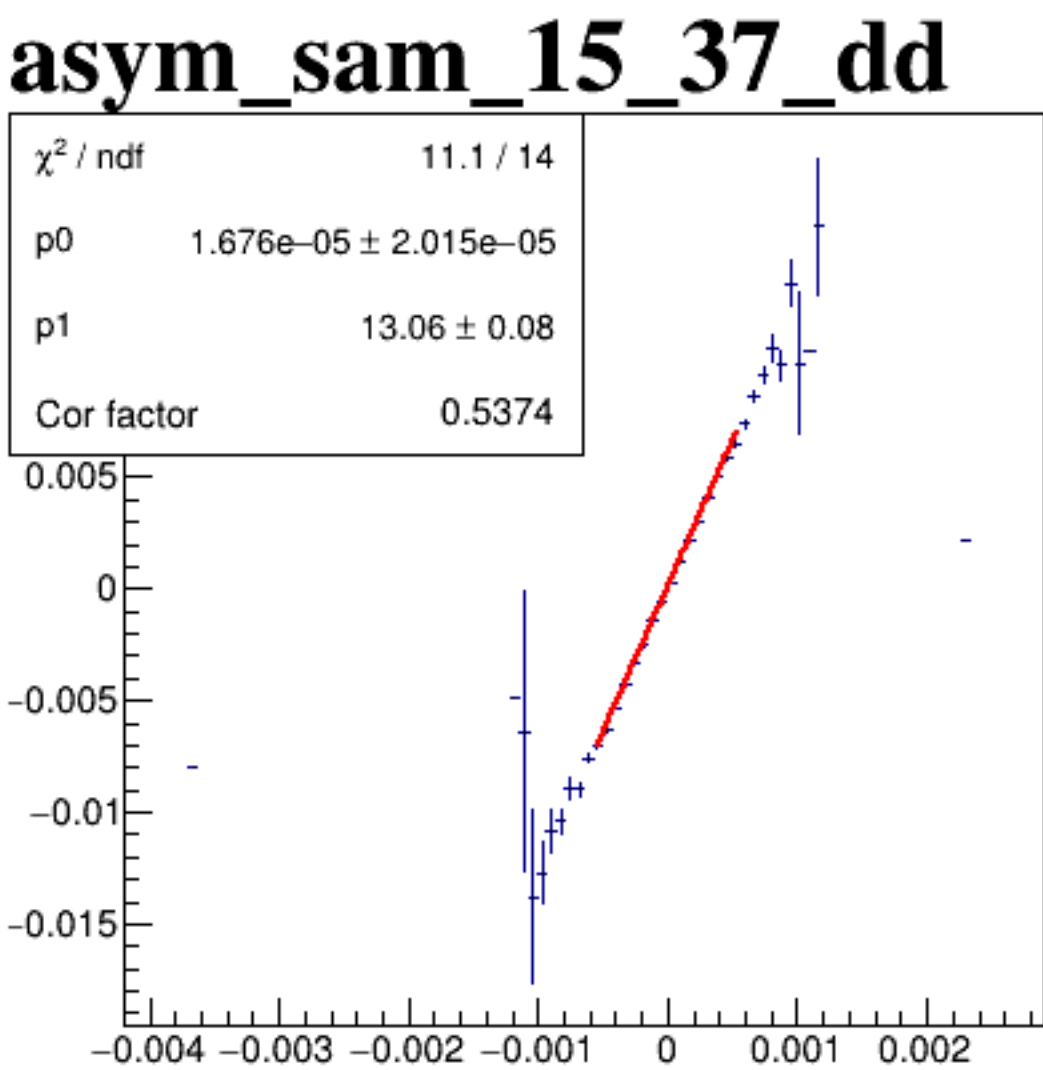
diff\_bpm12X



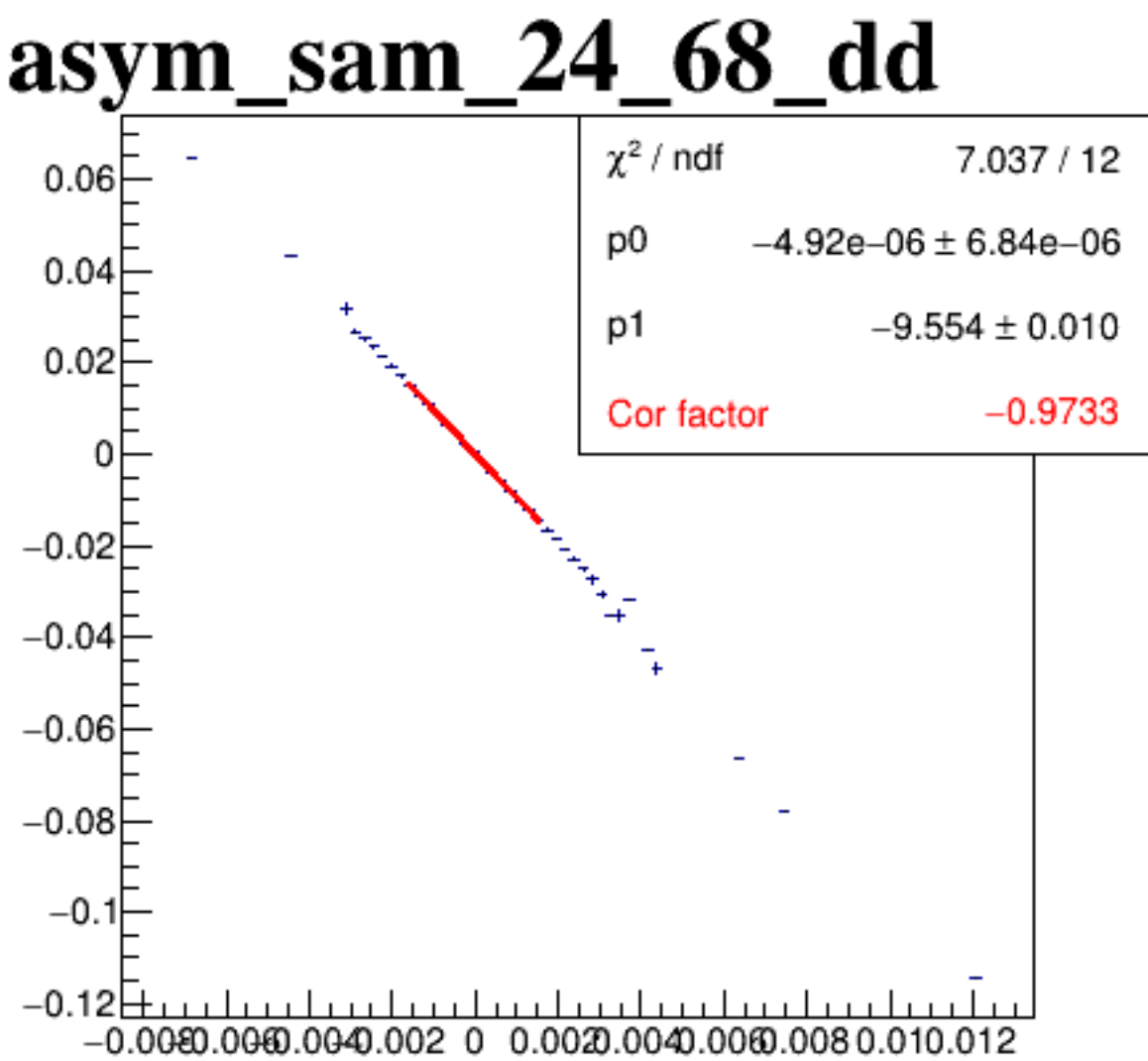
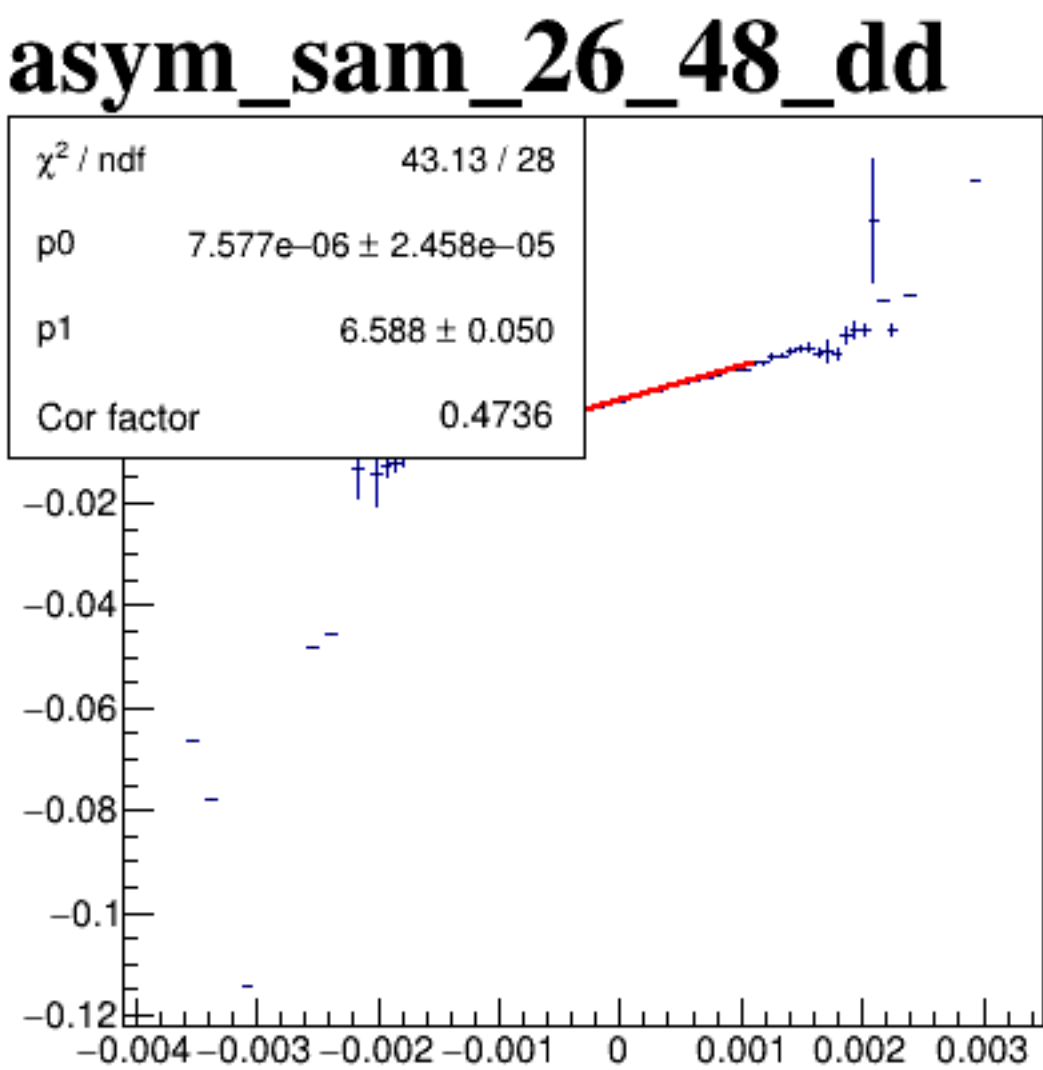
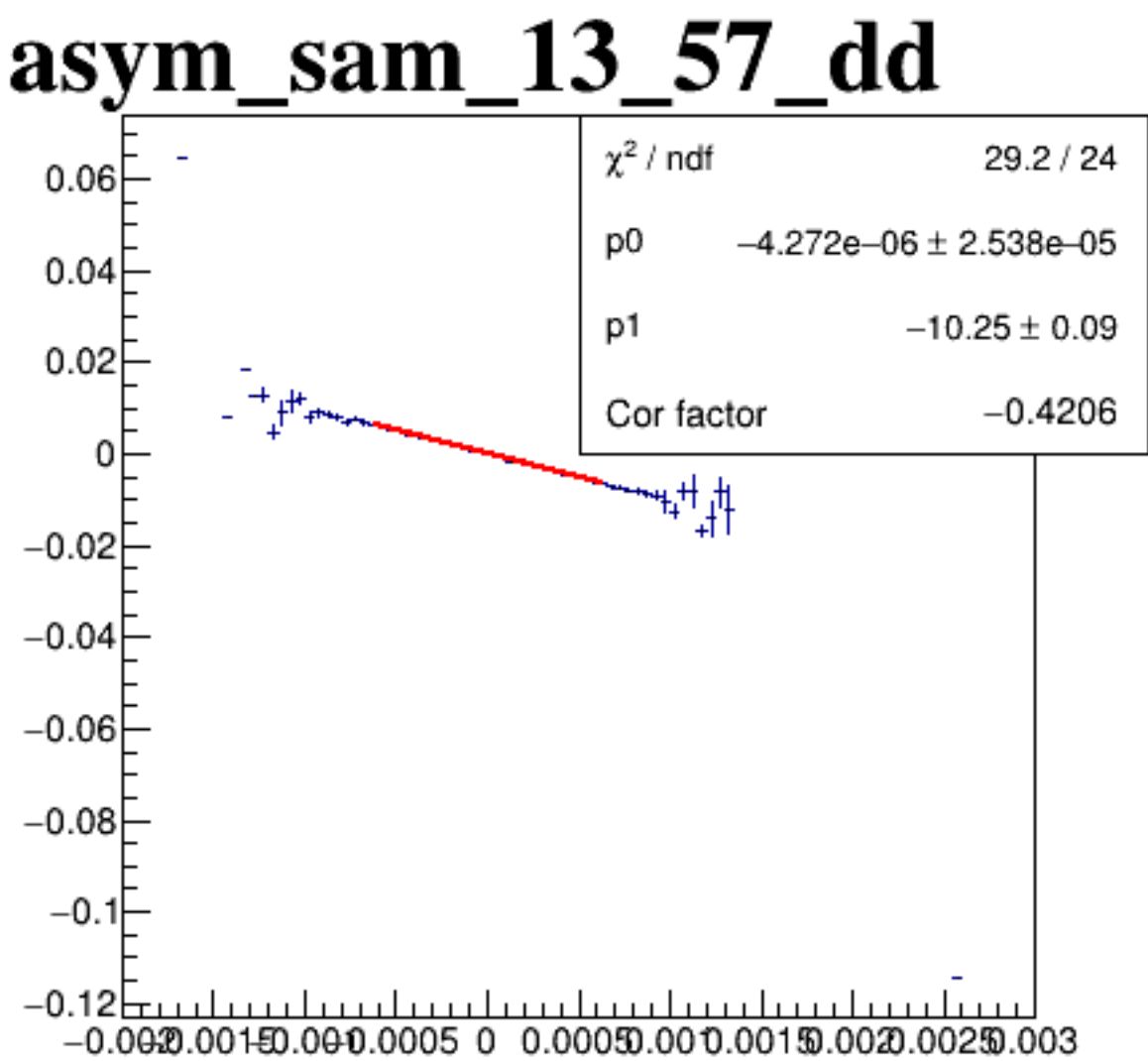
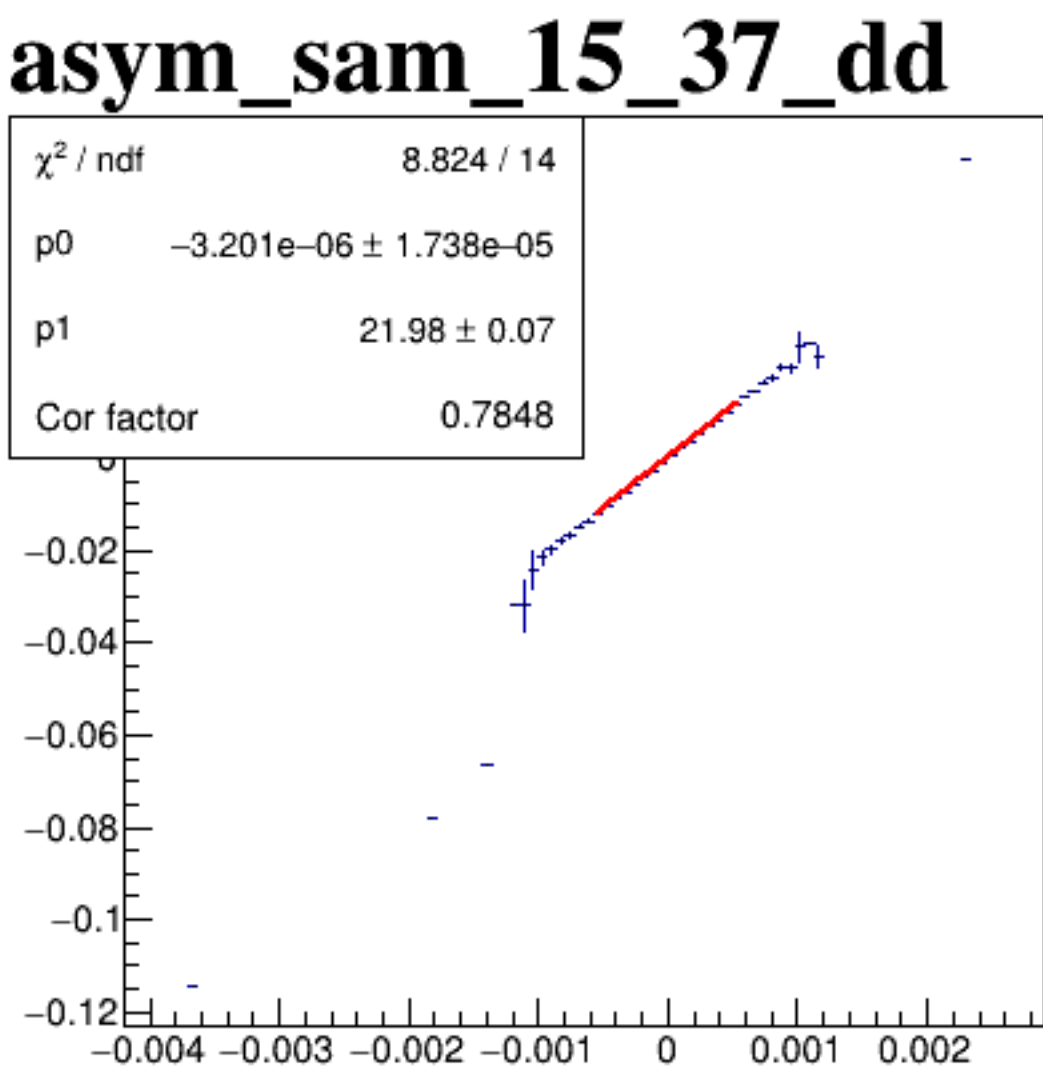
diff\_bpm4aX



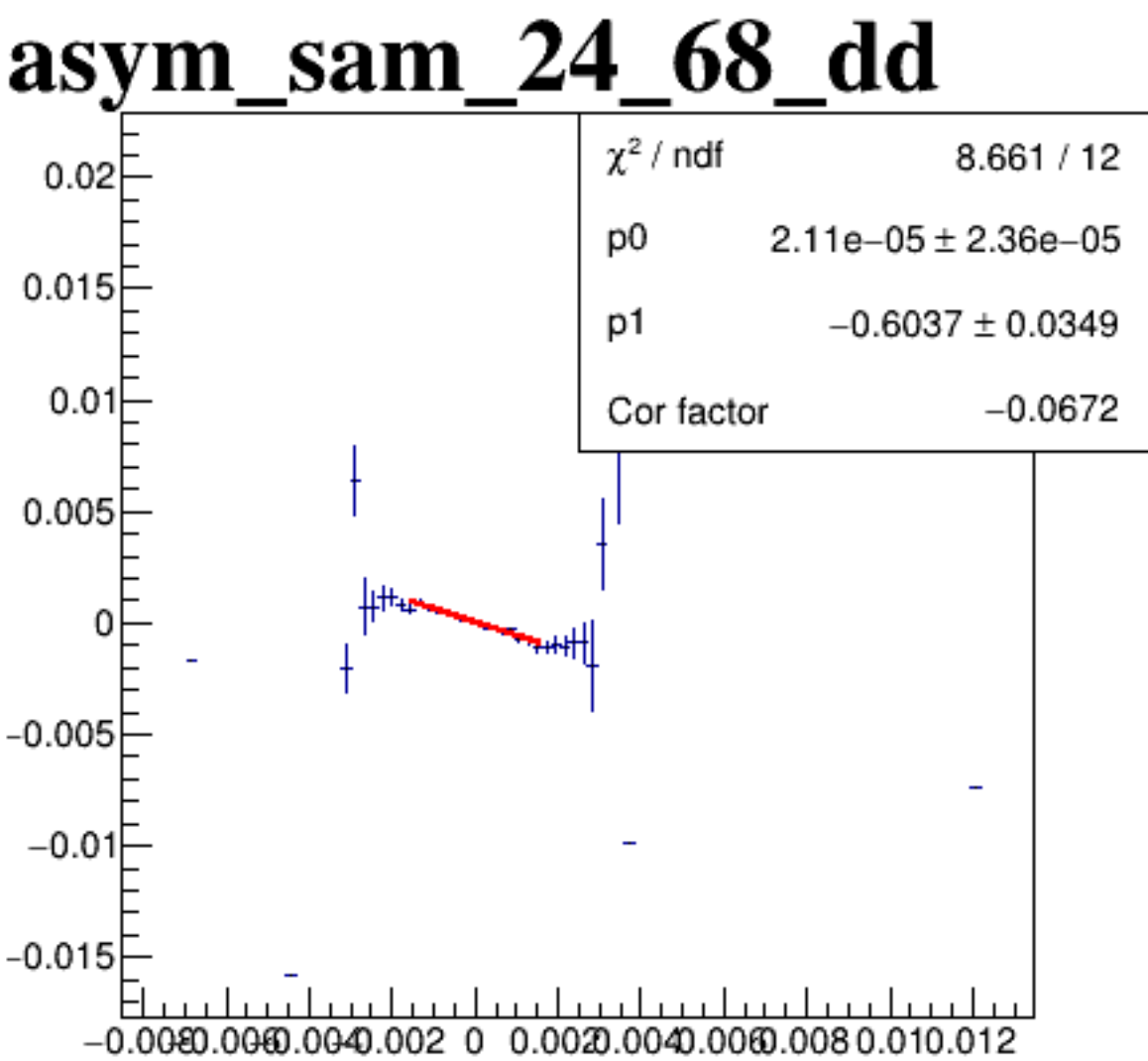
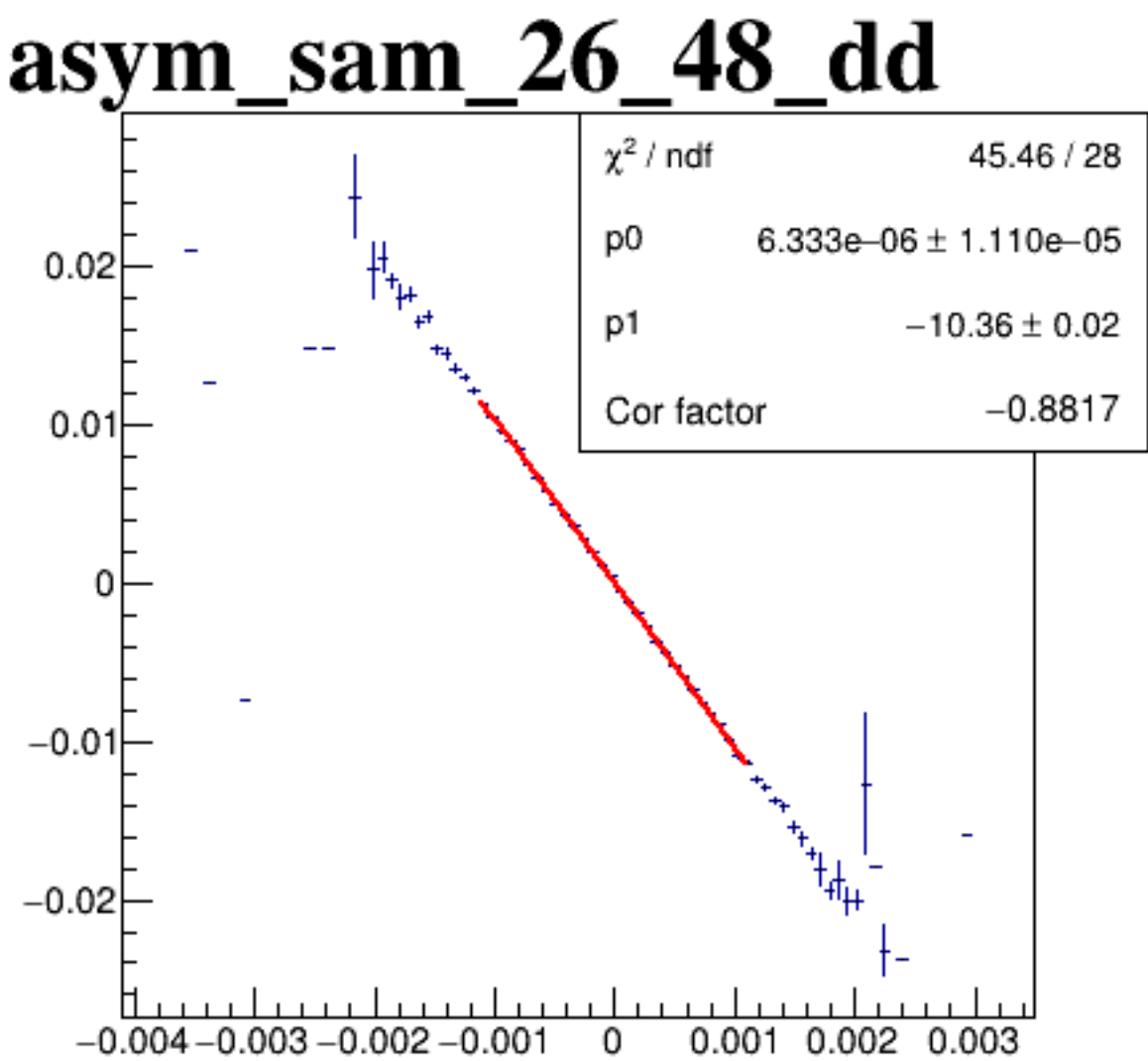
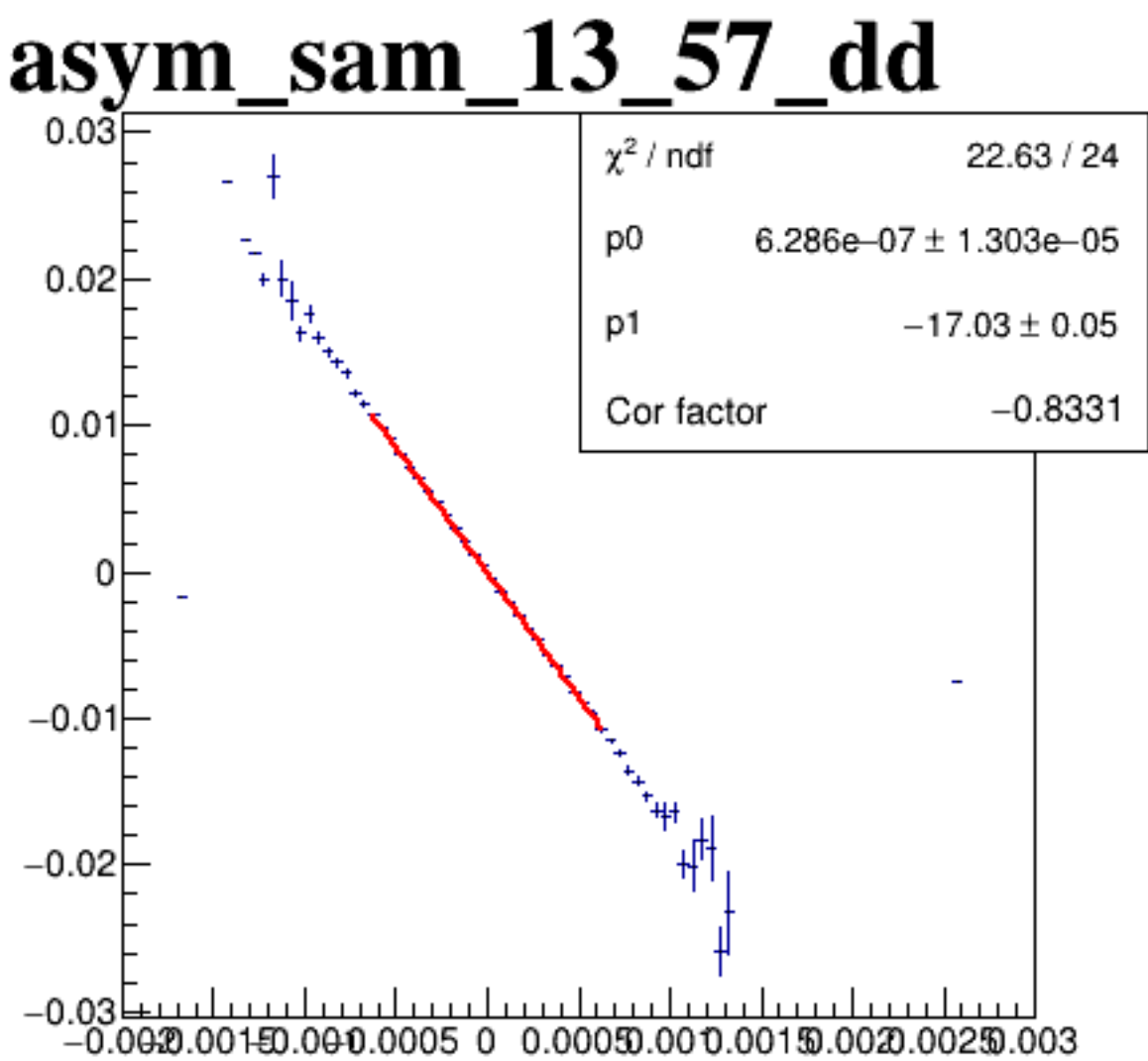
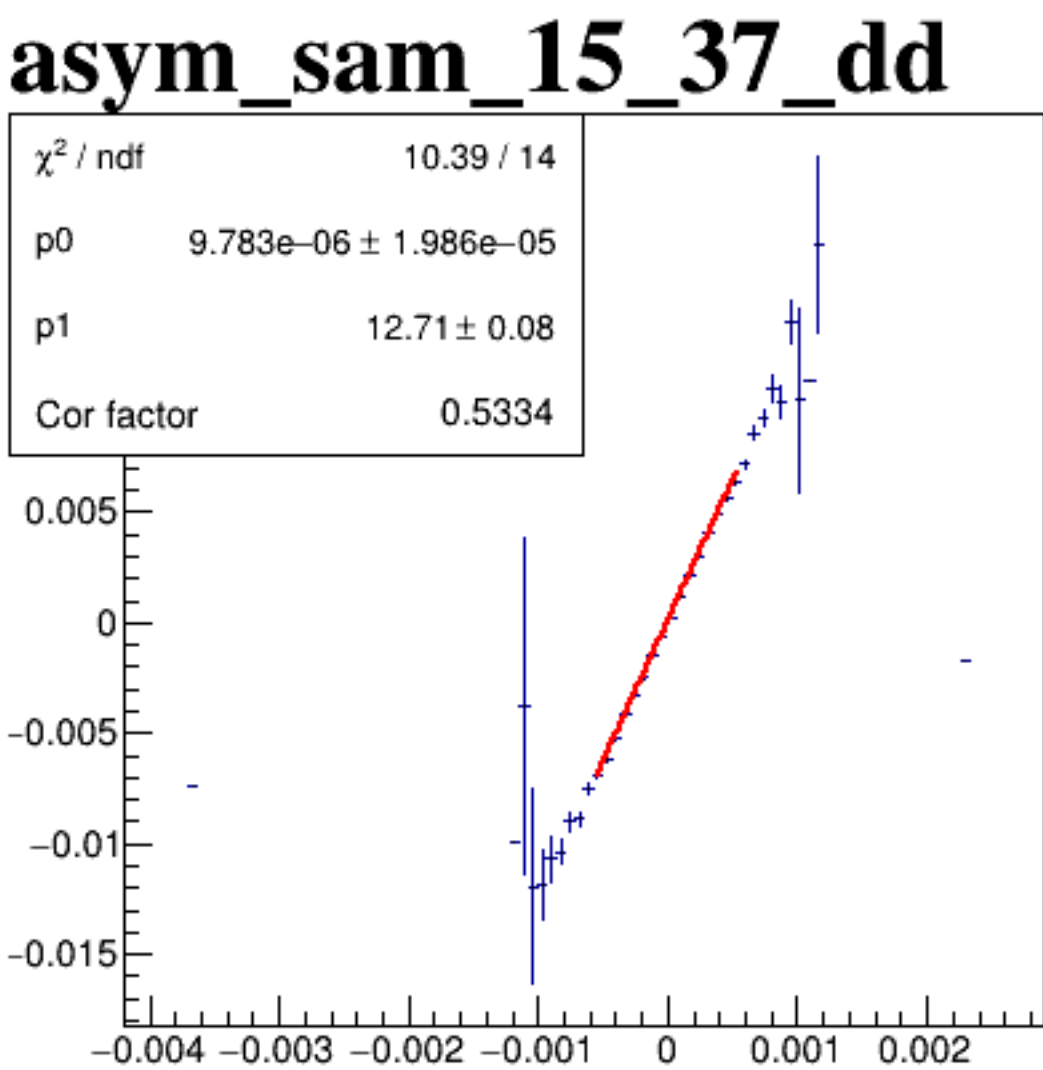
diff\_bpm4aY



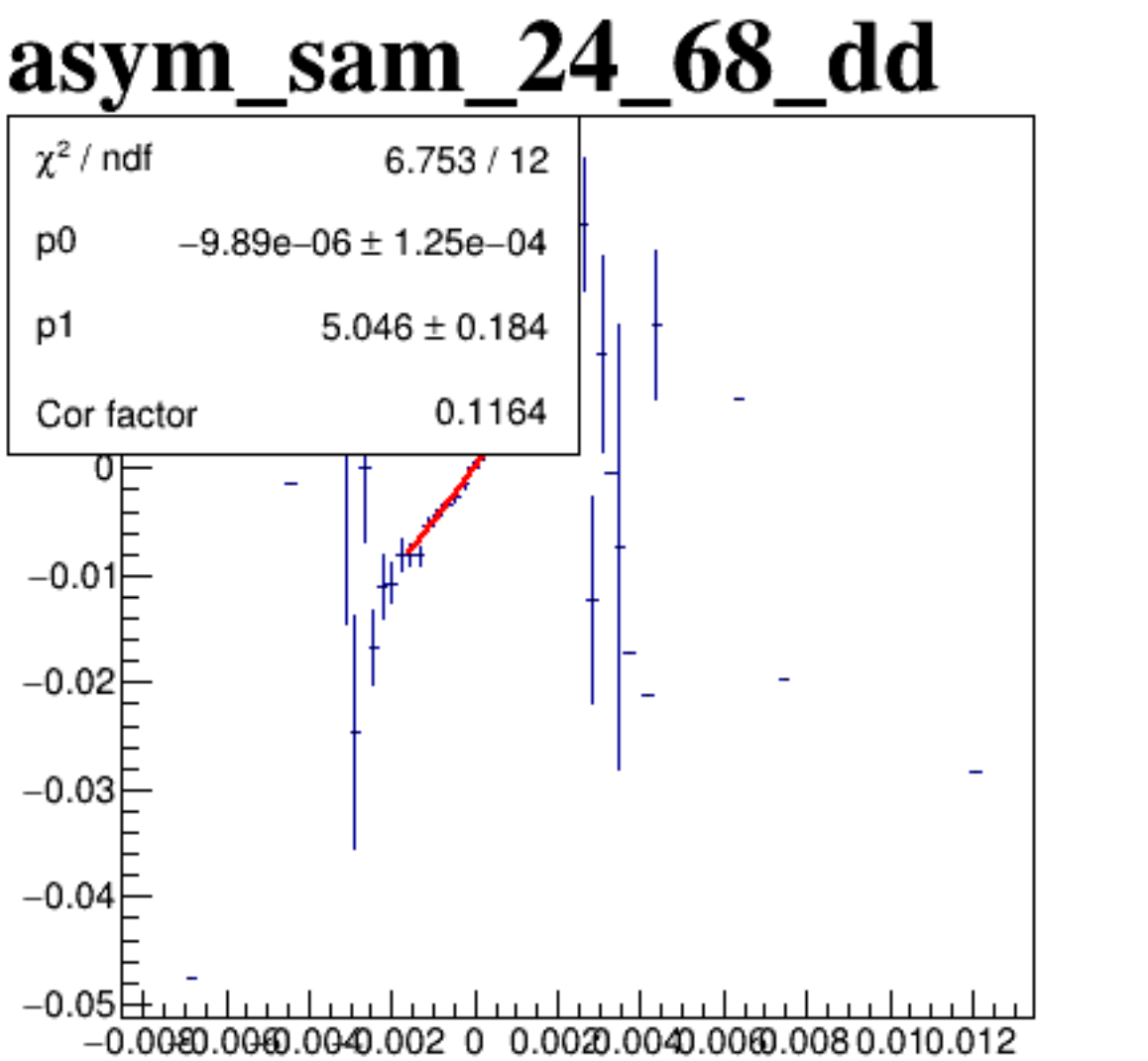
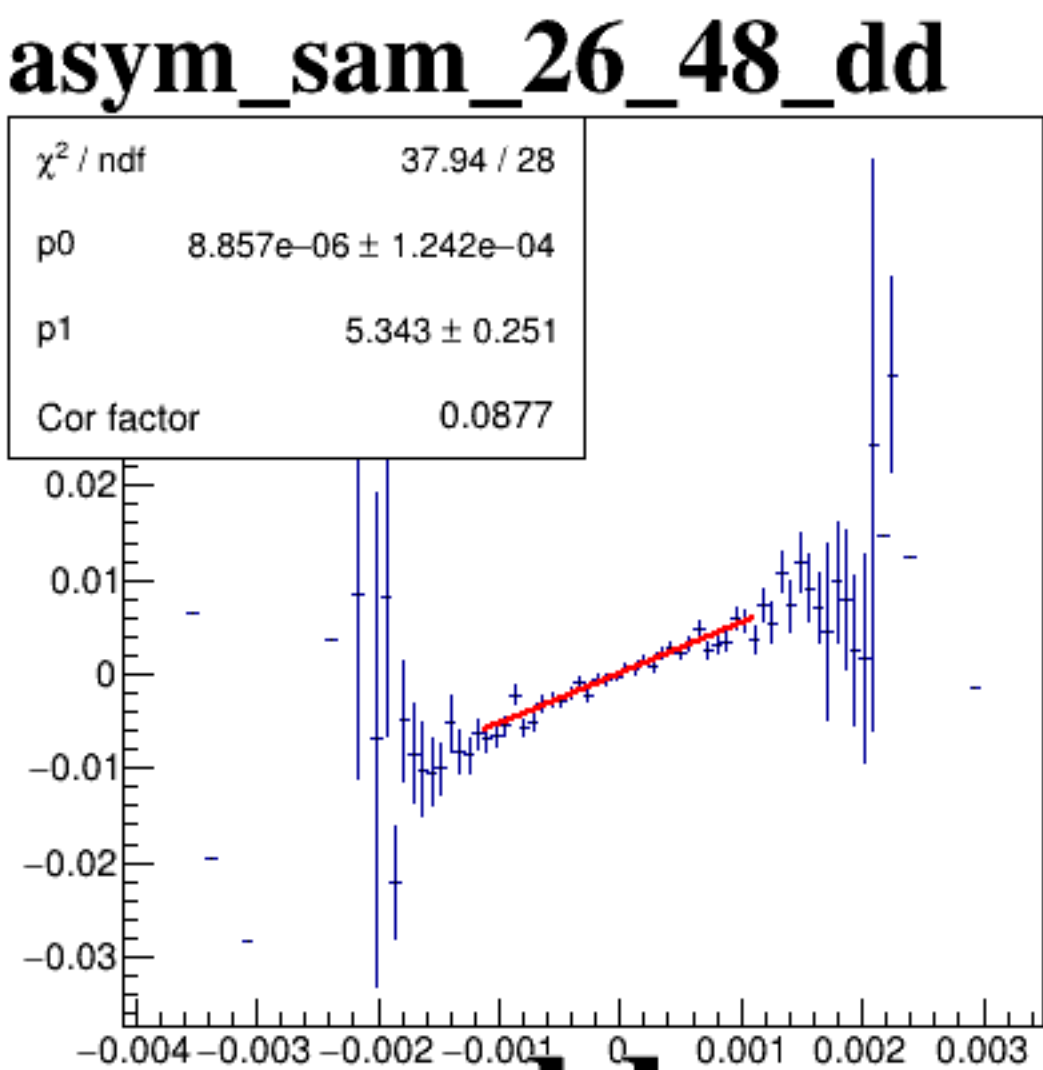
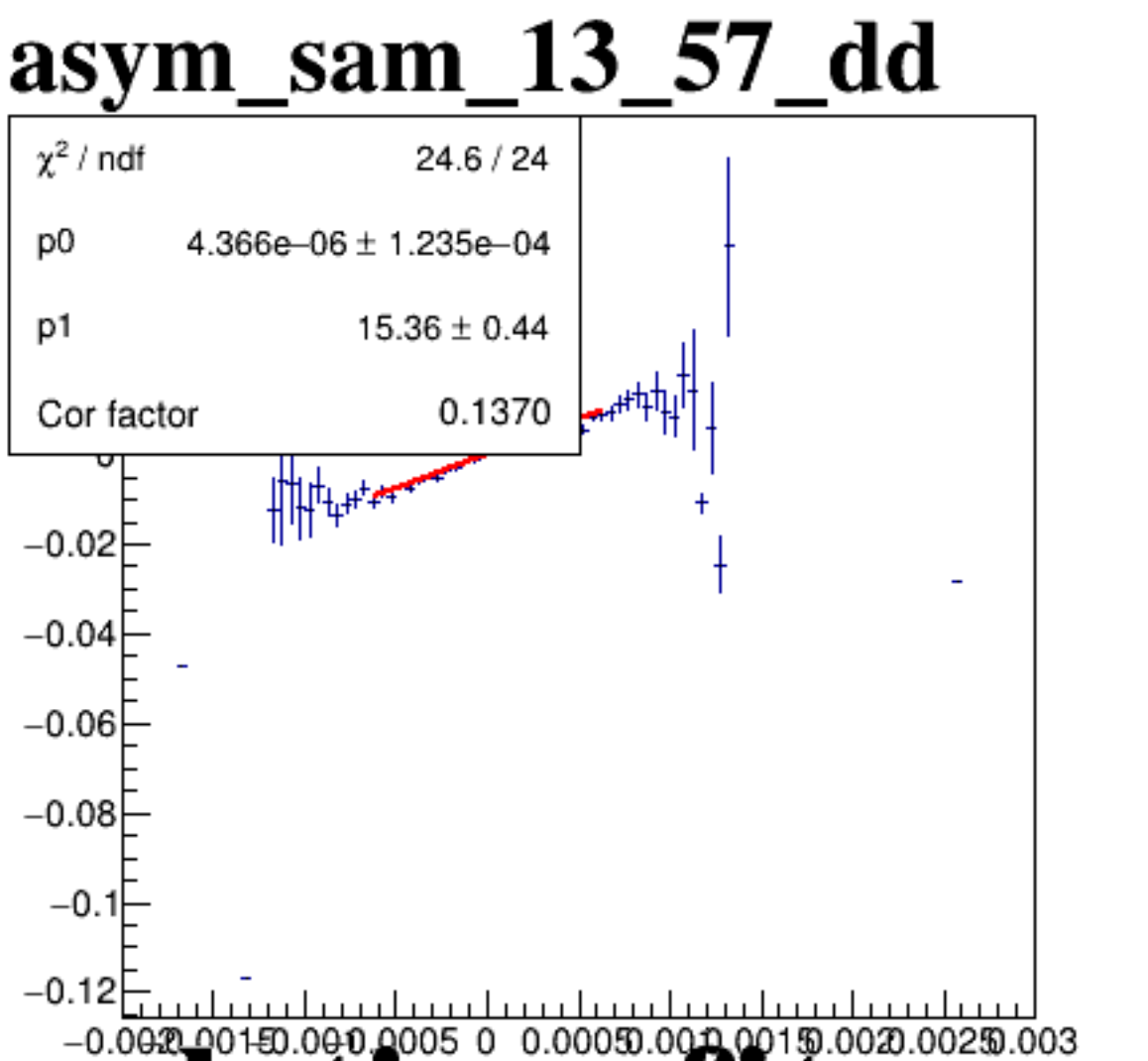
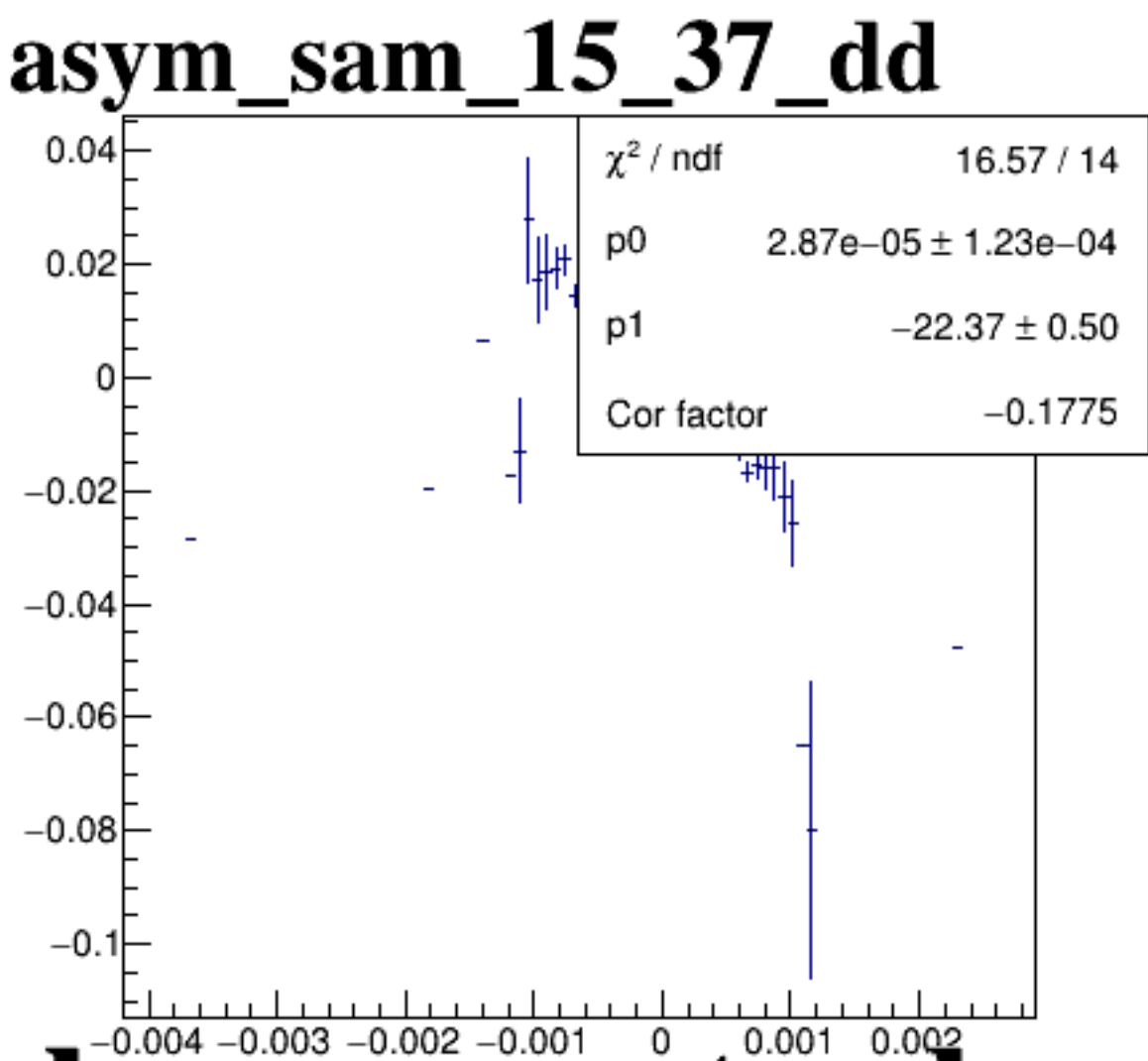
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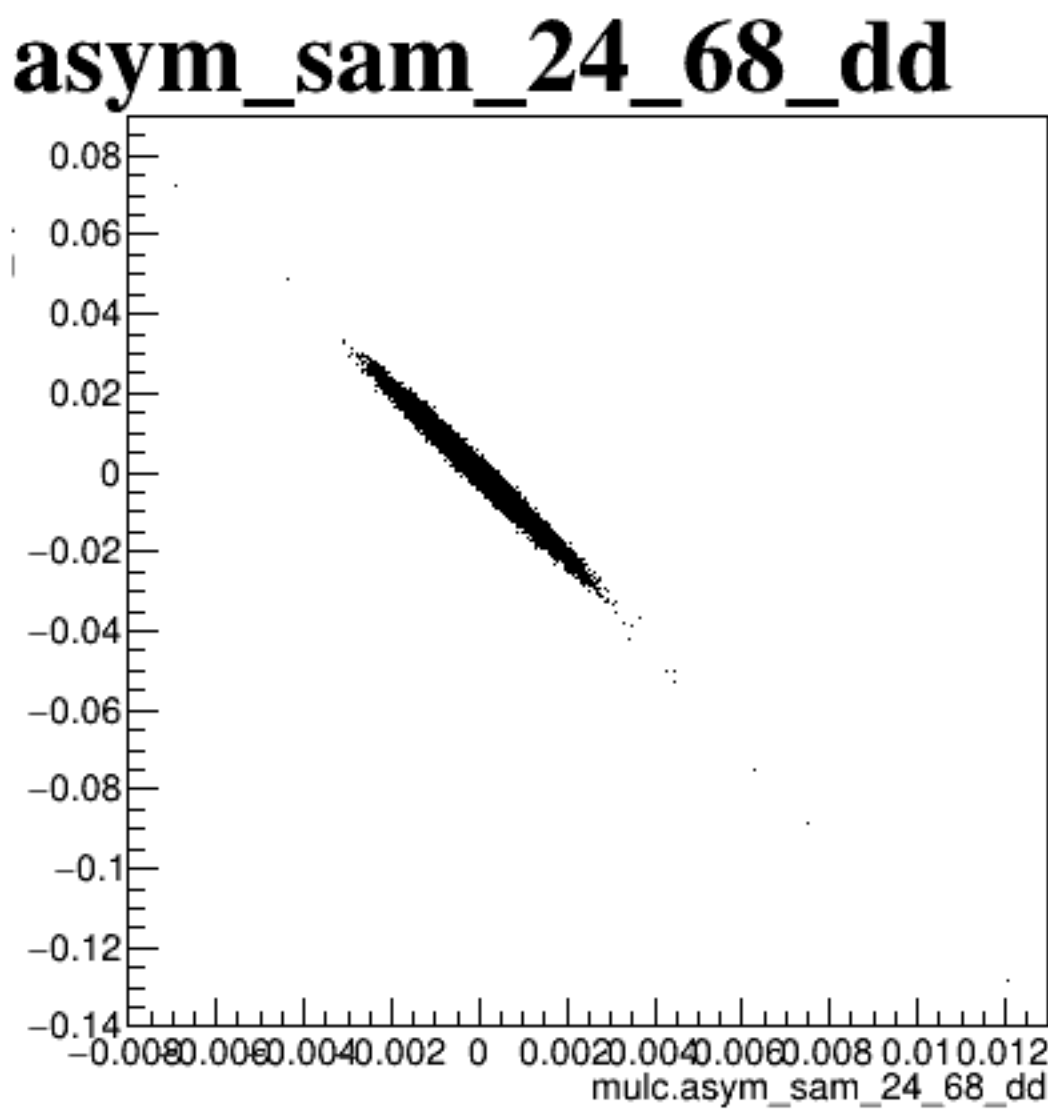
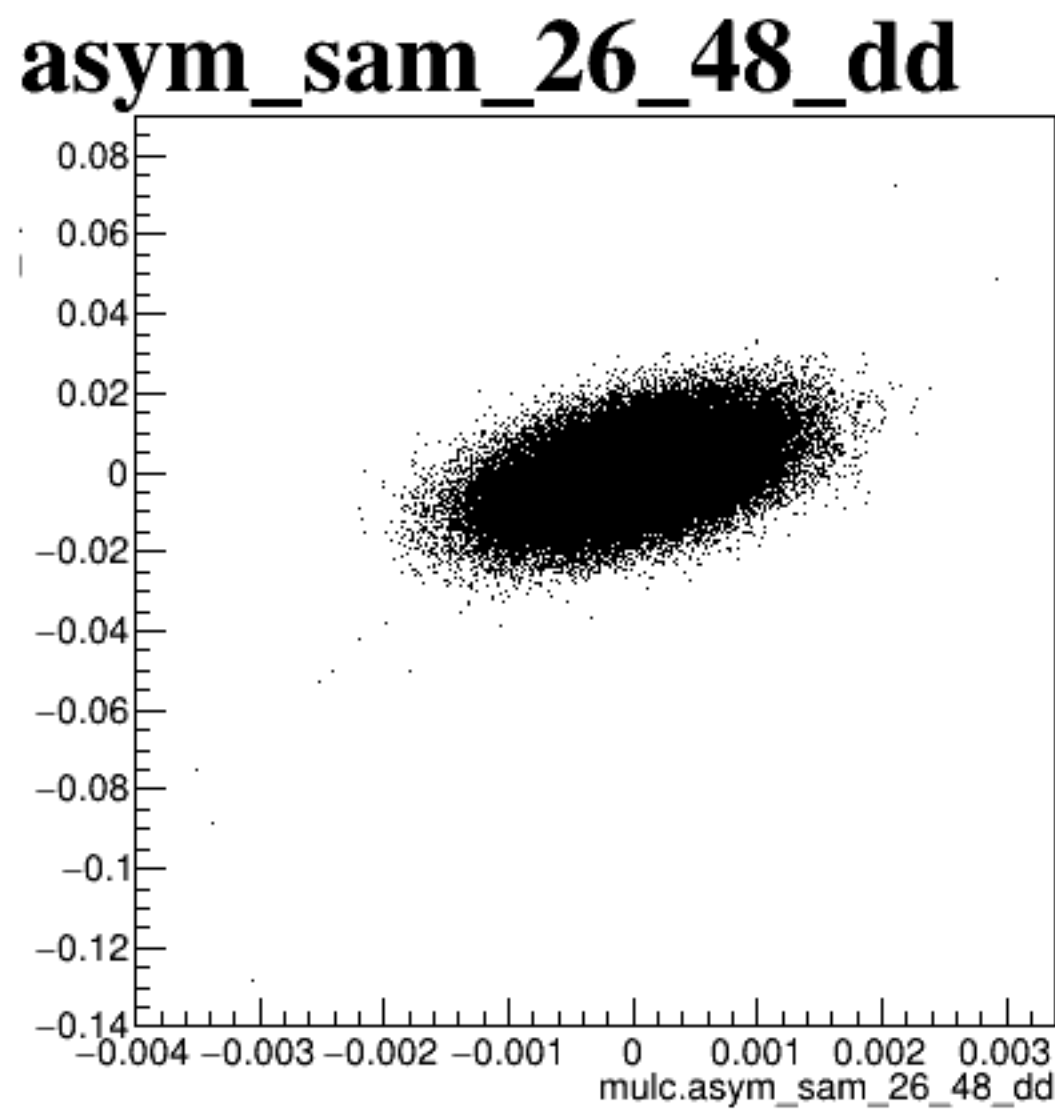
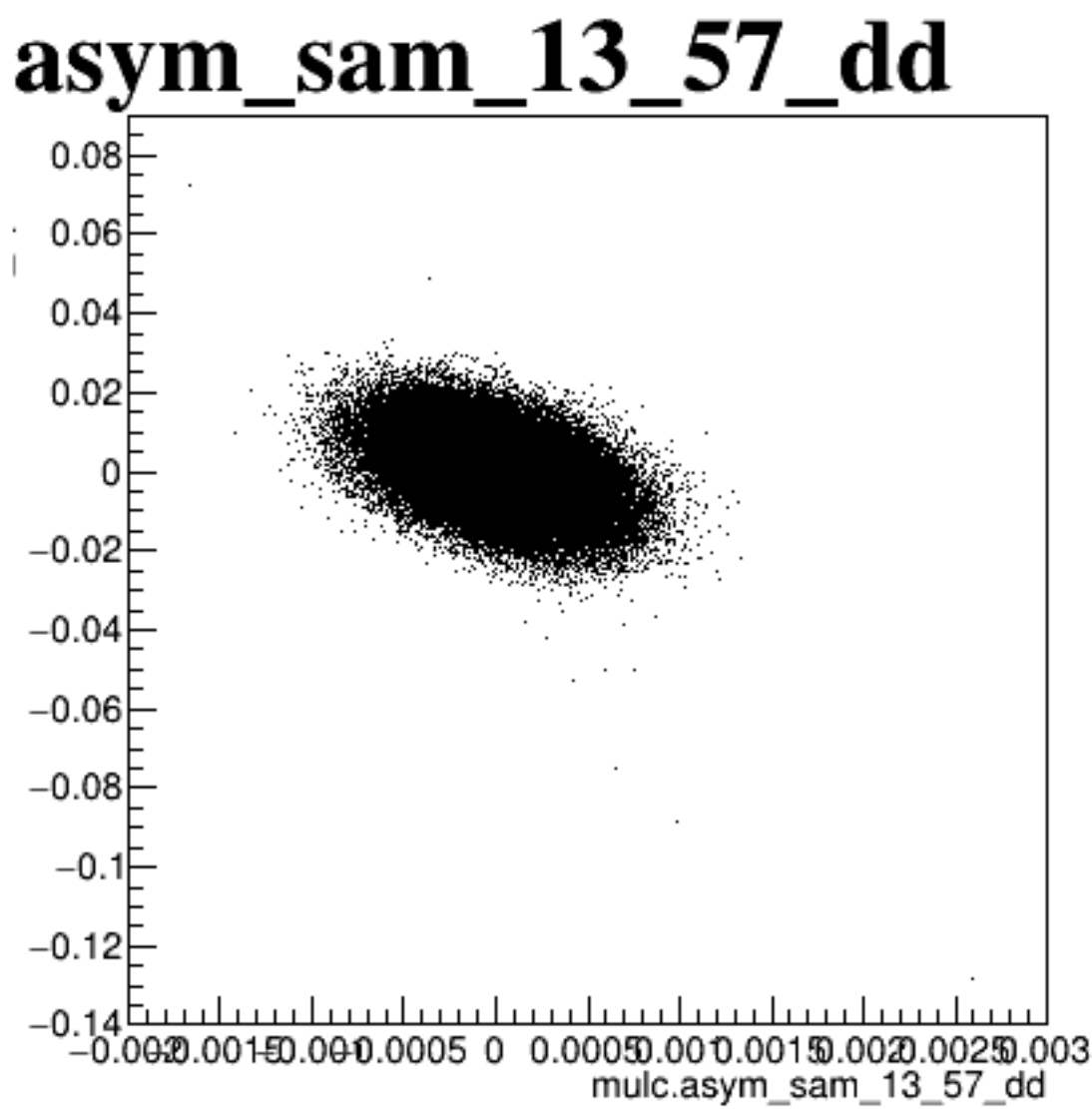
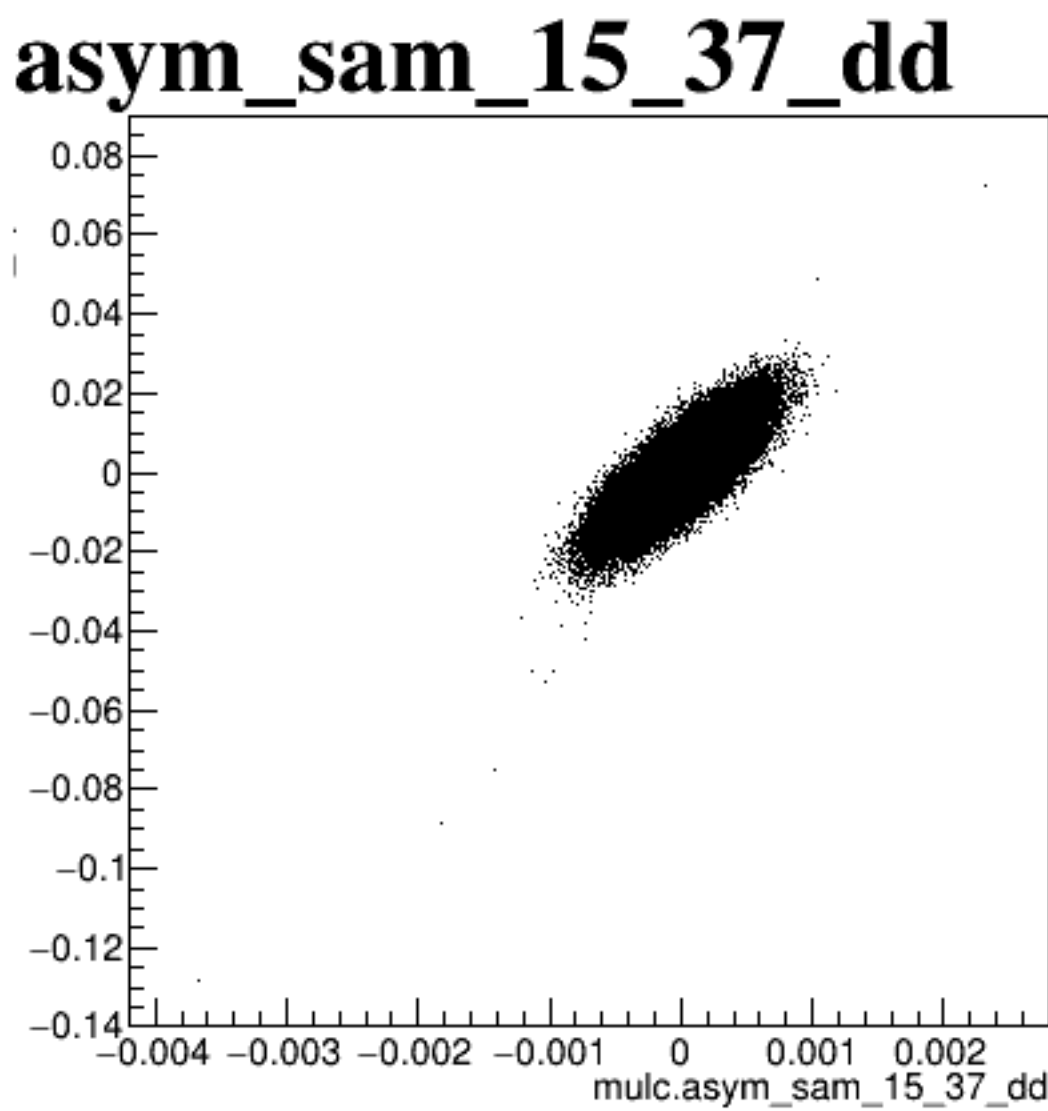
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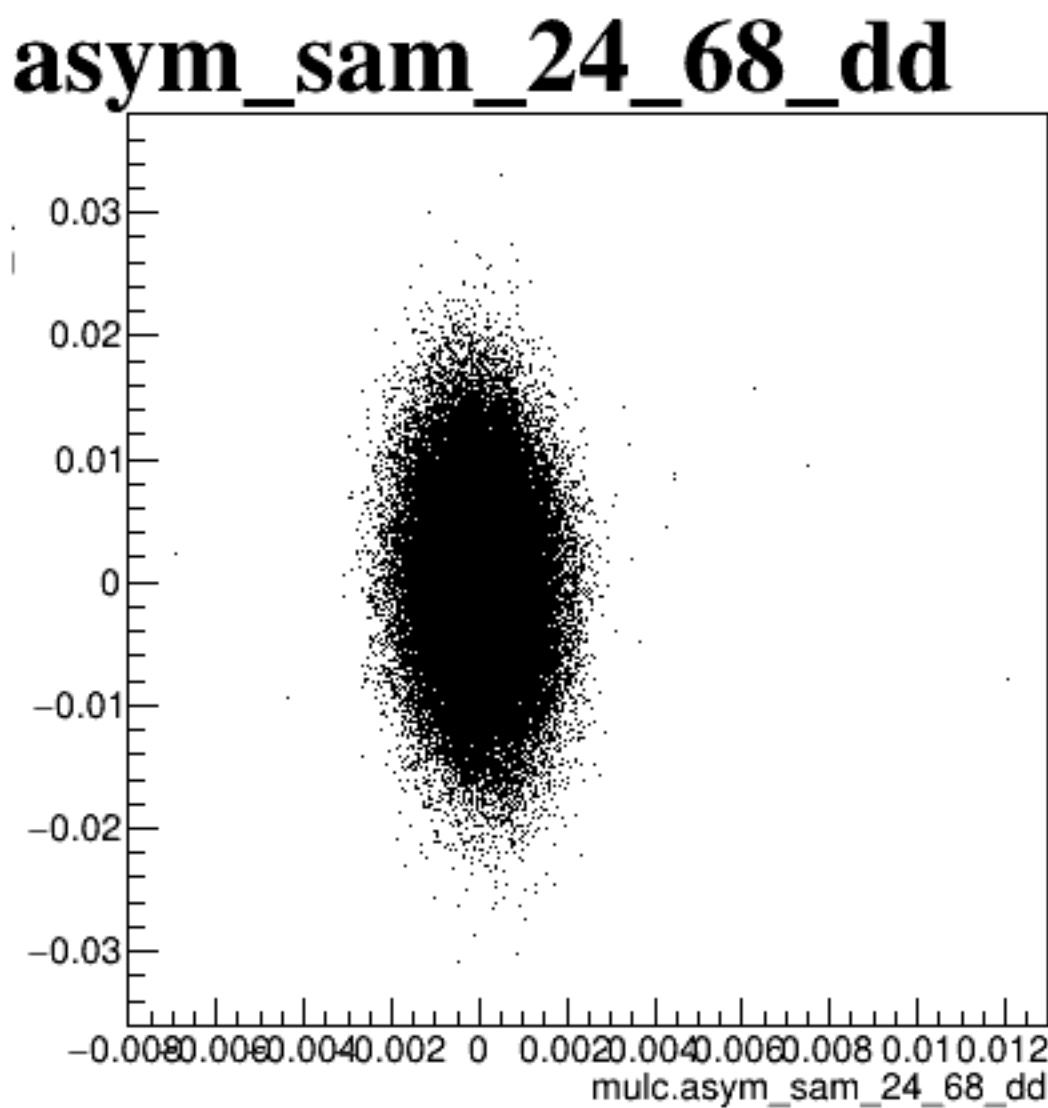
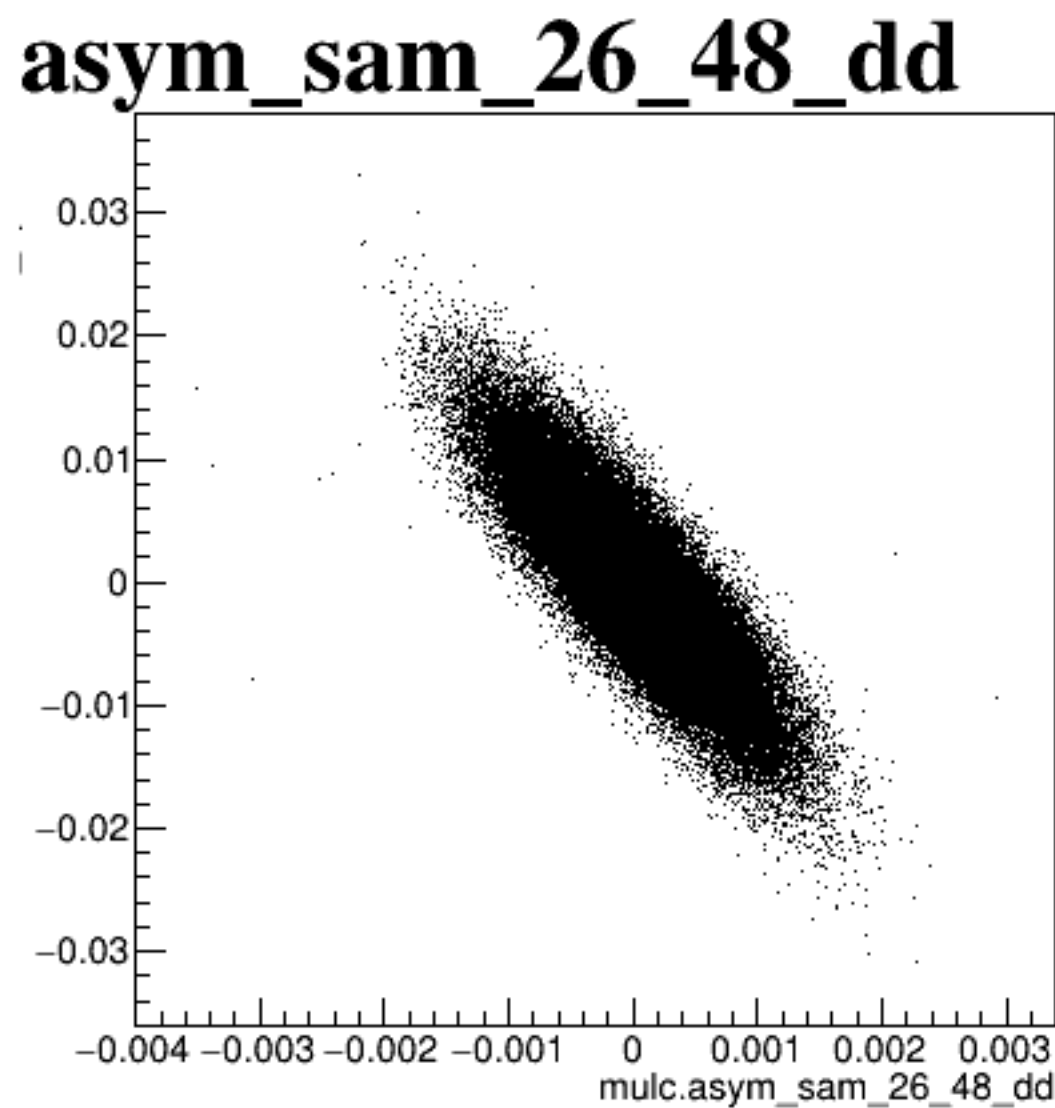
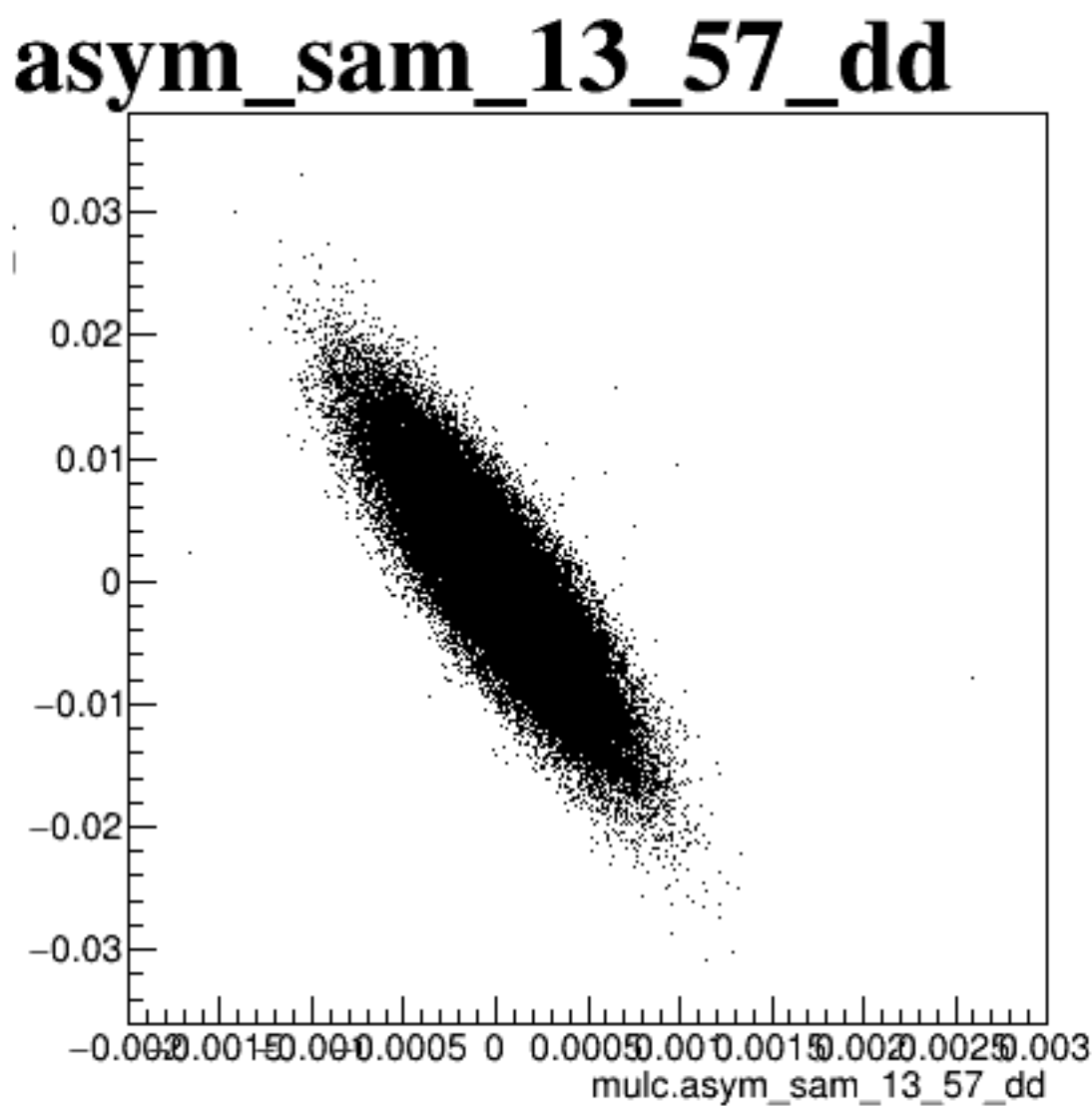
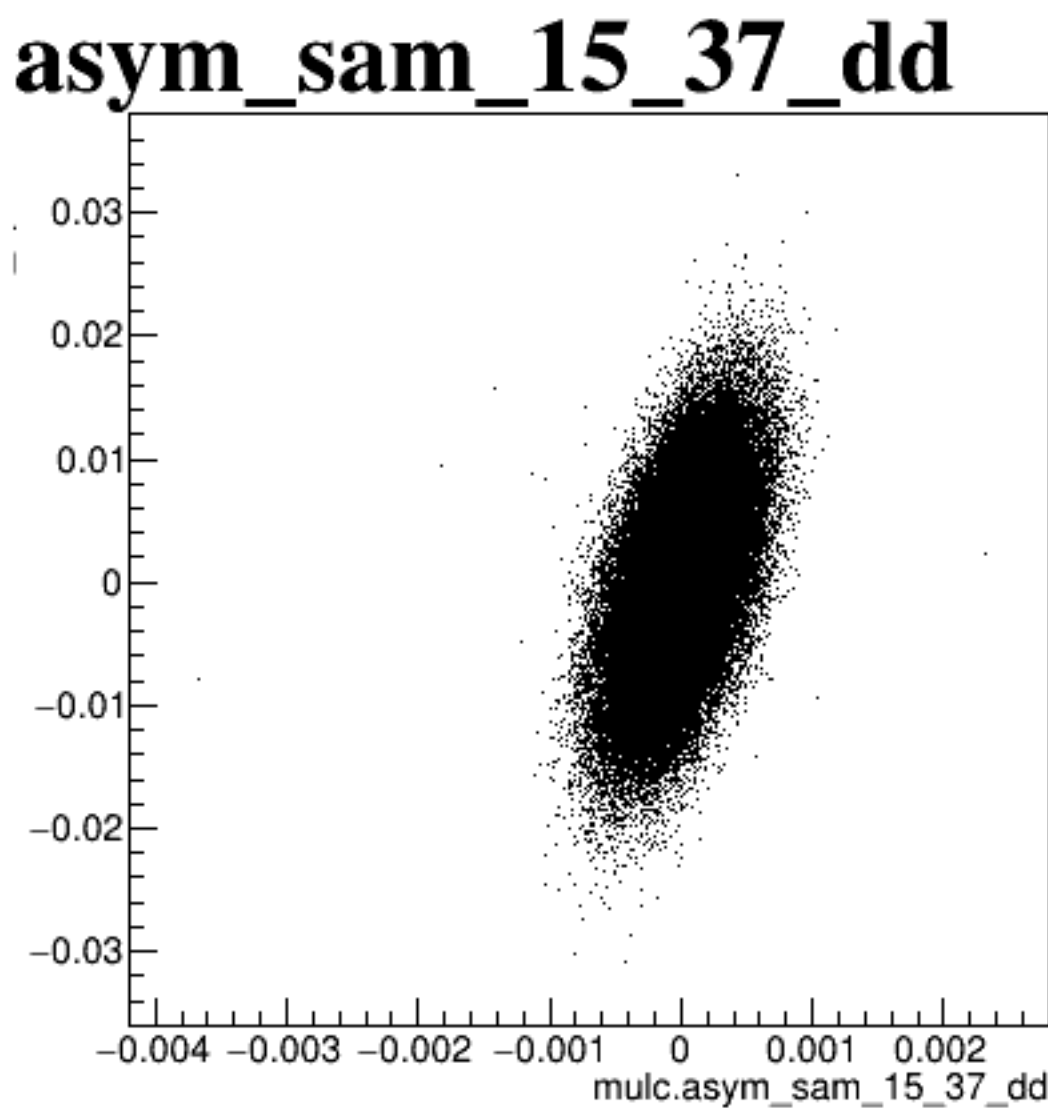
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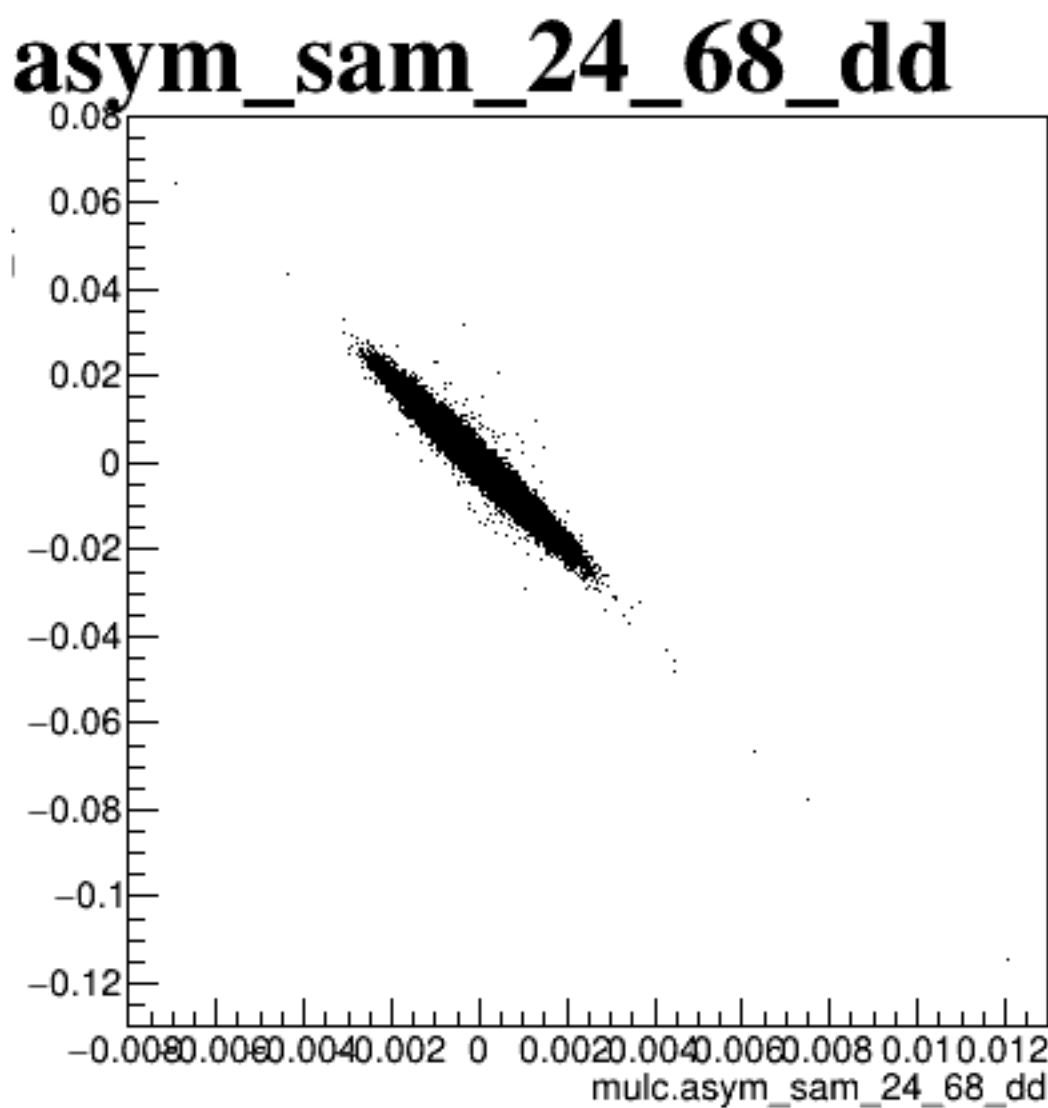
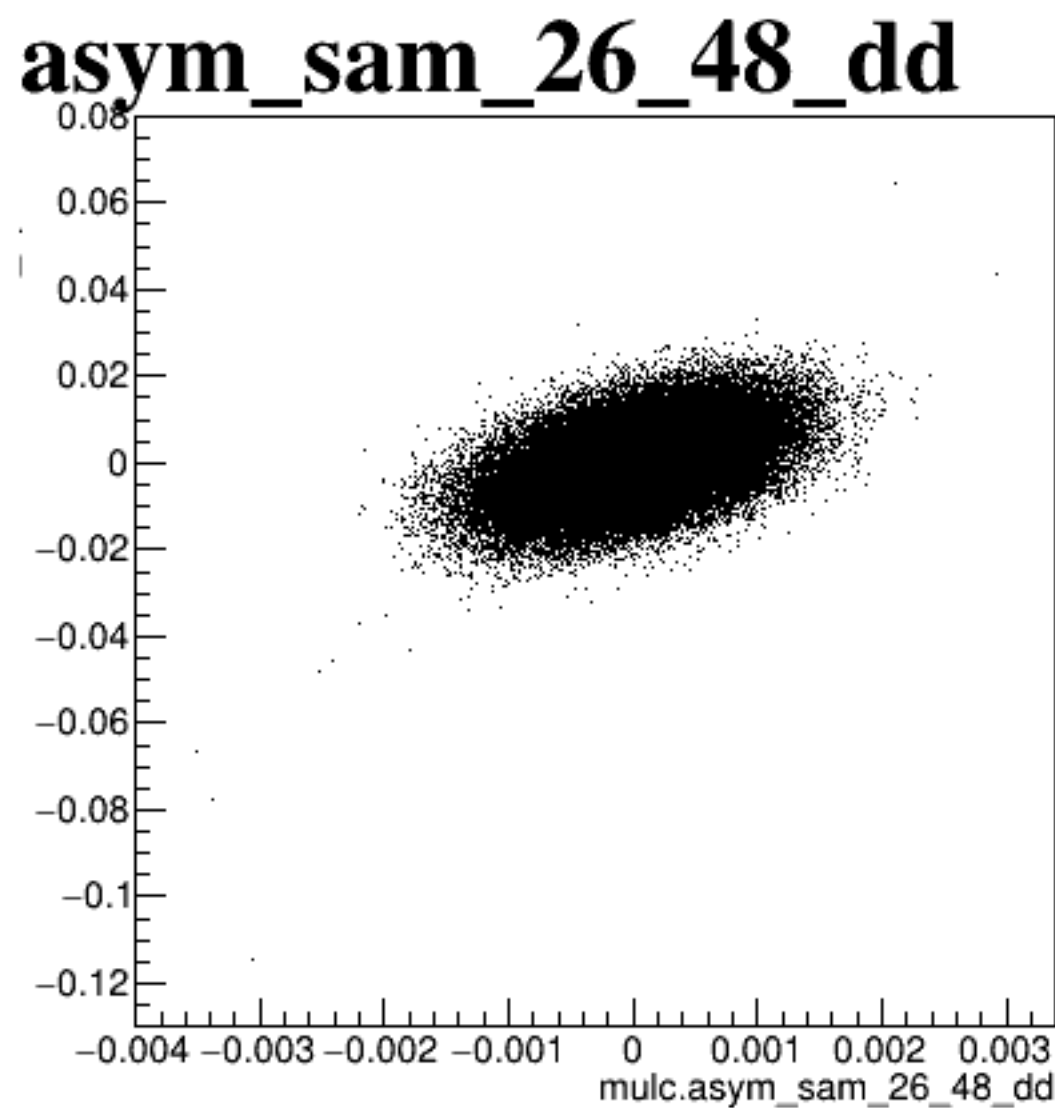
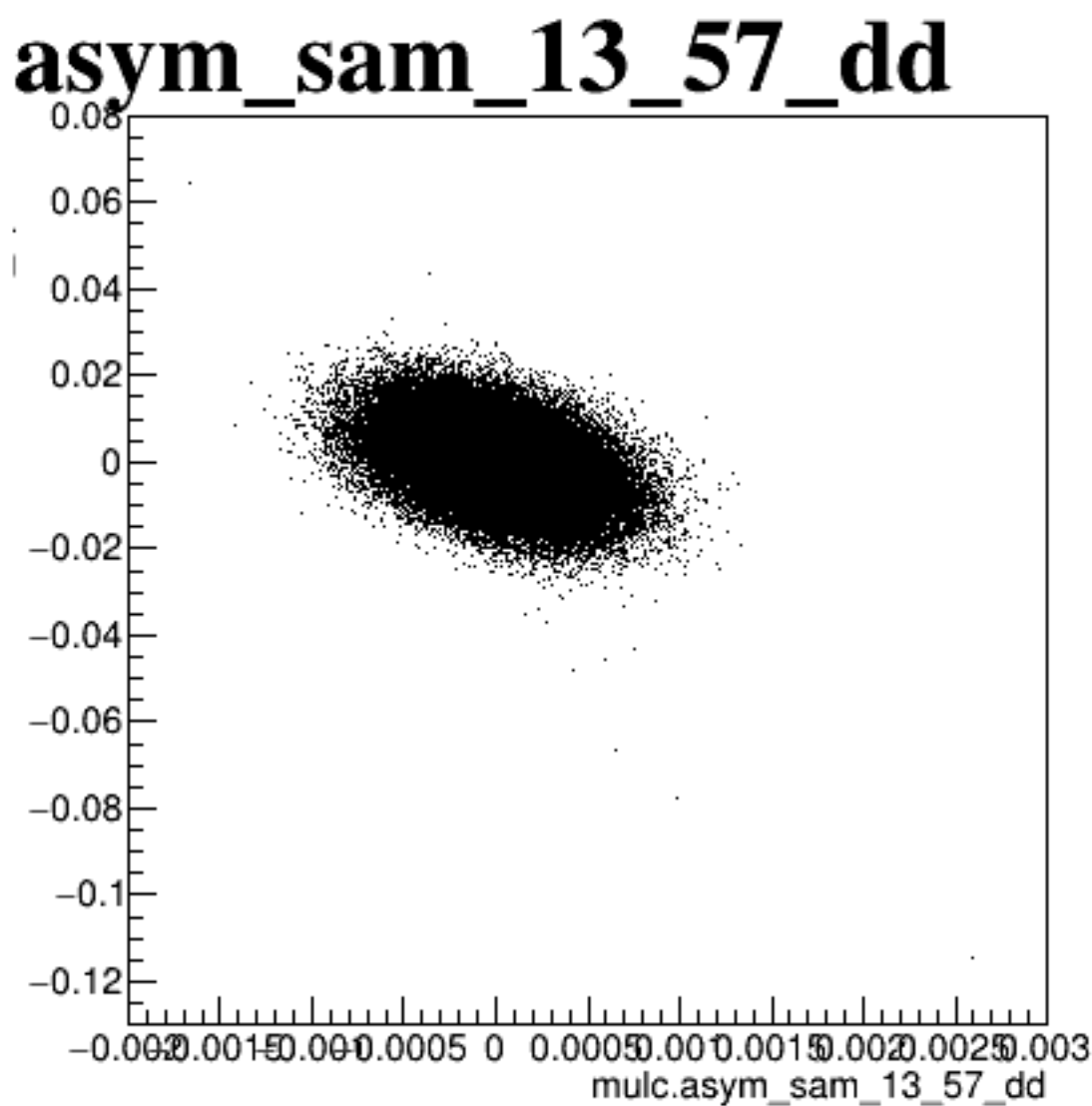
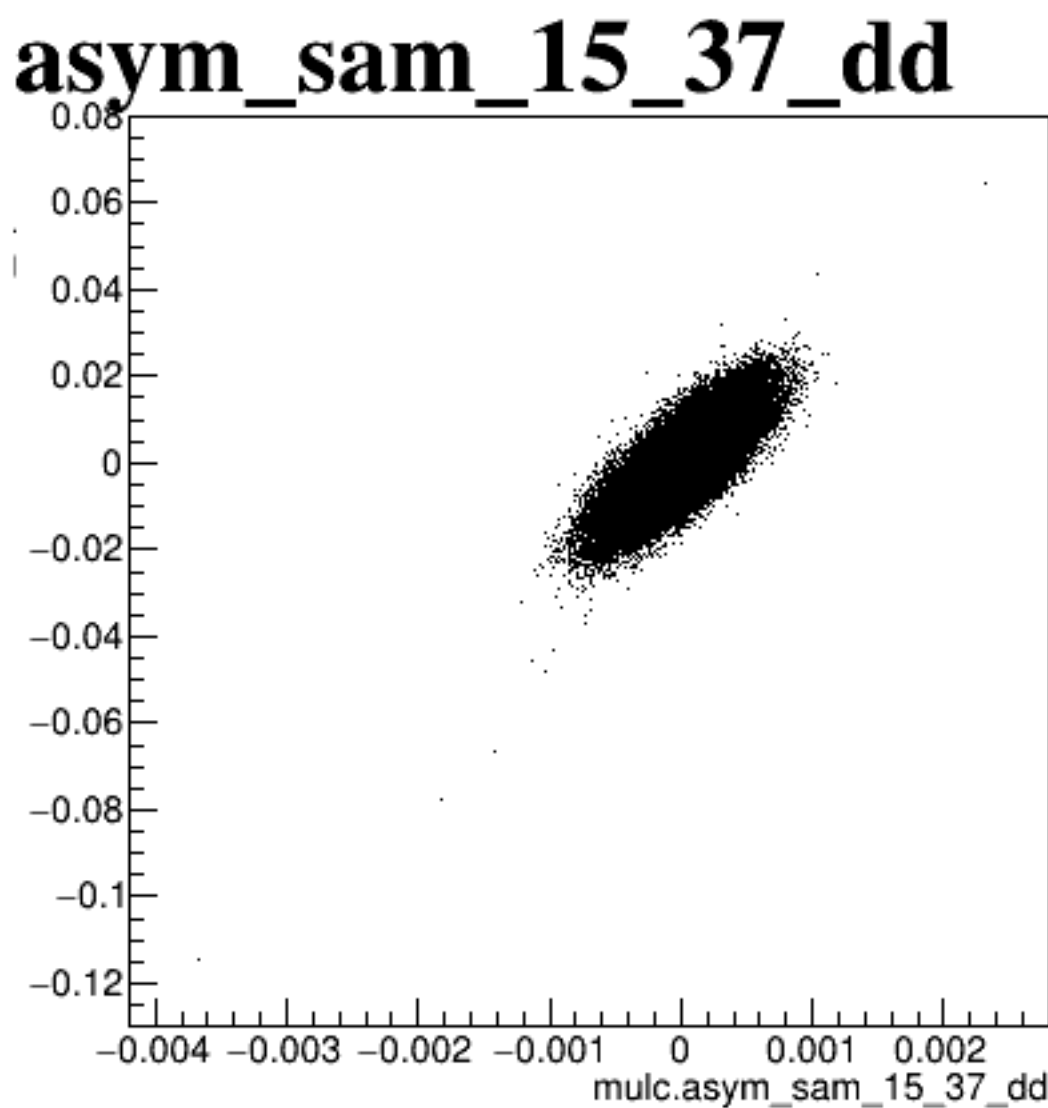
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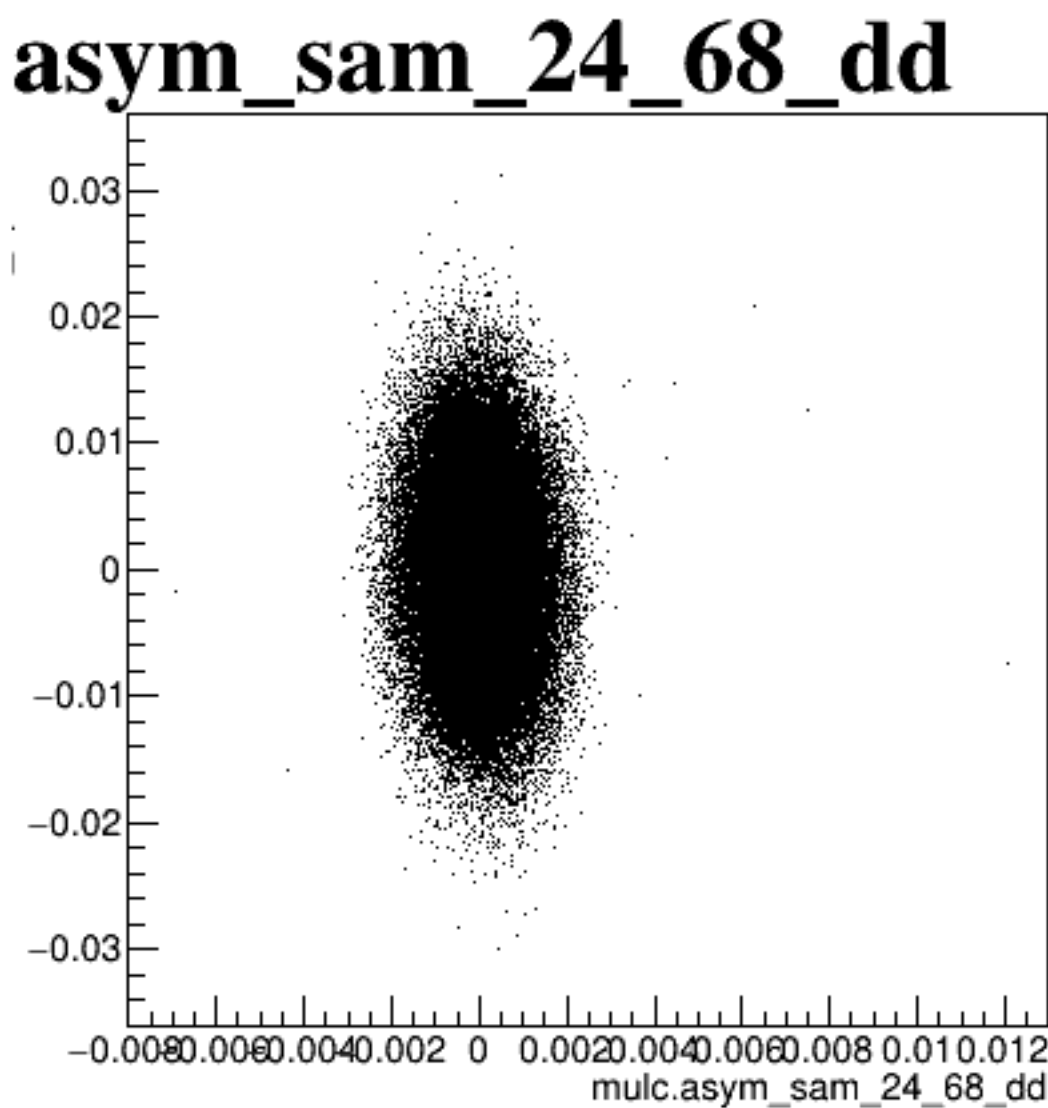
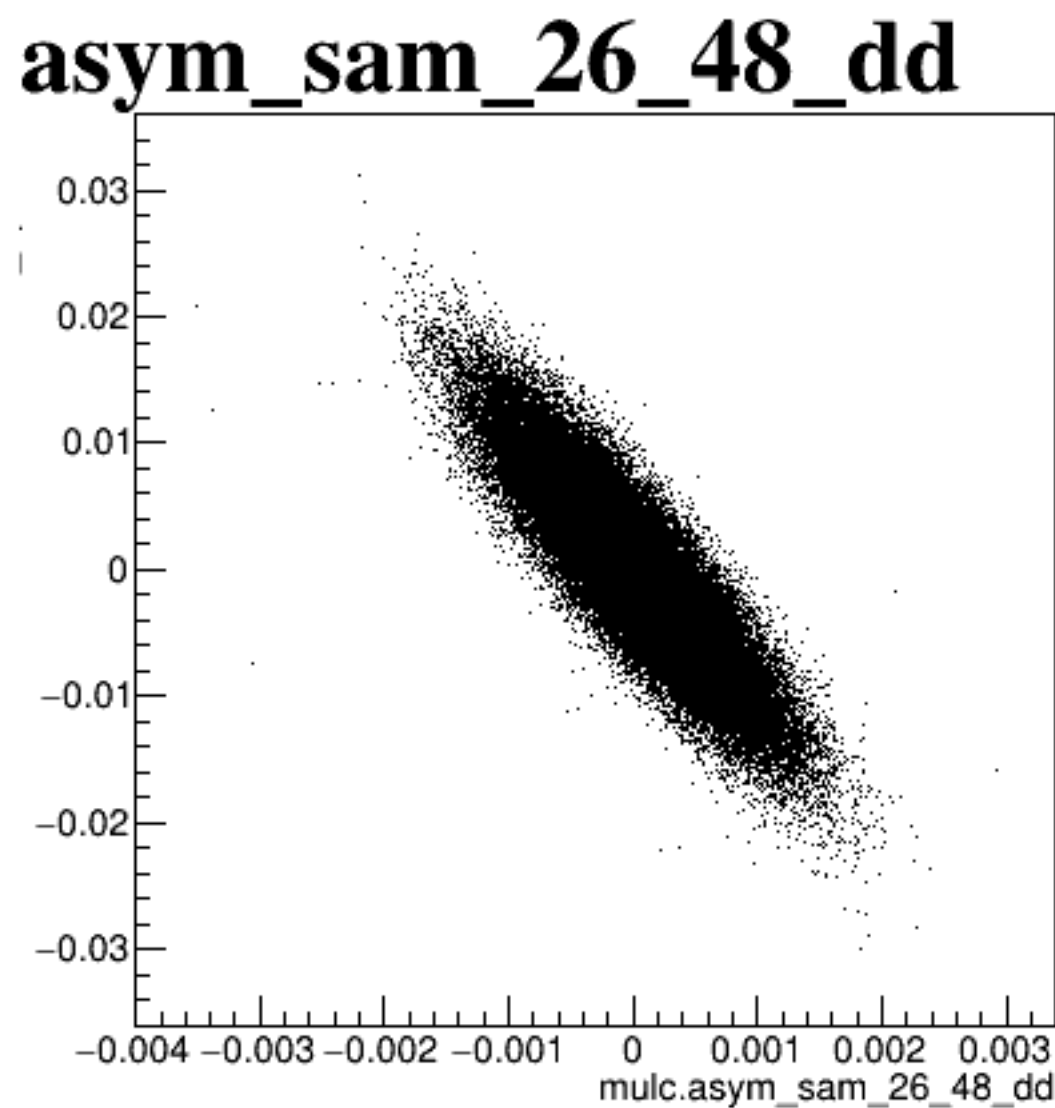
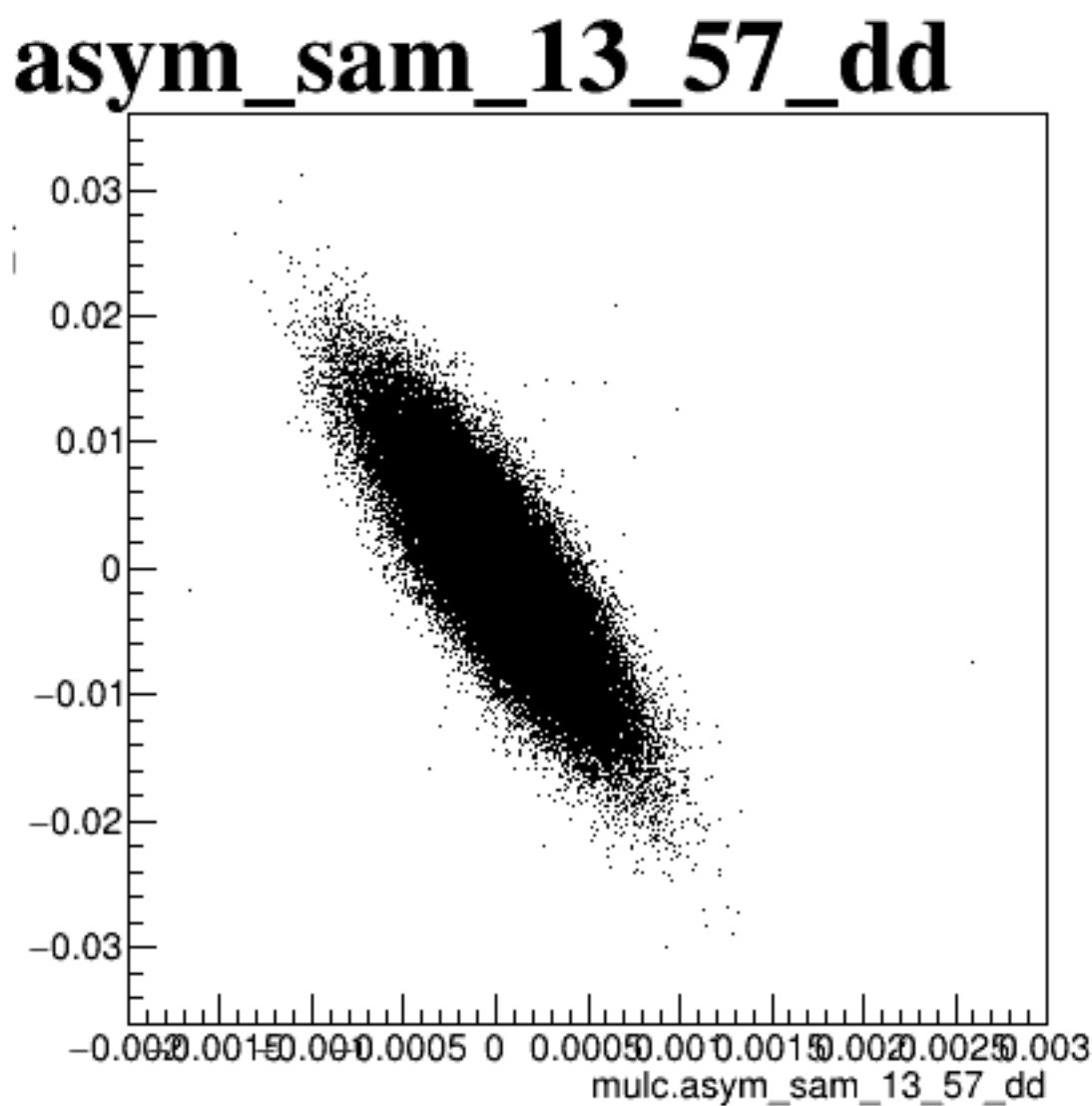
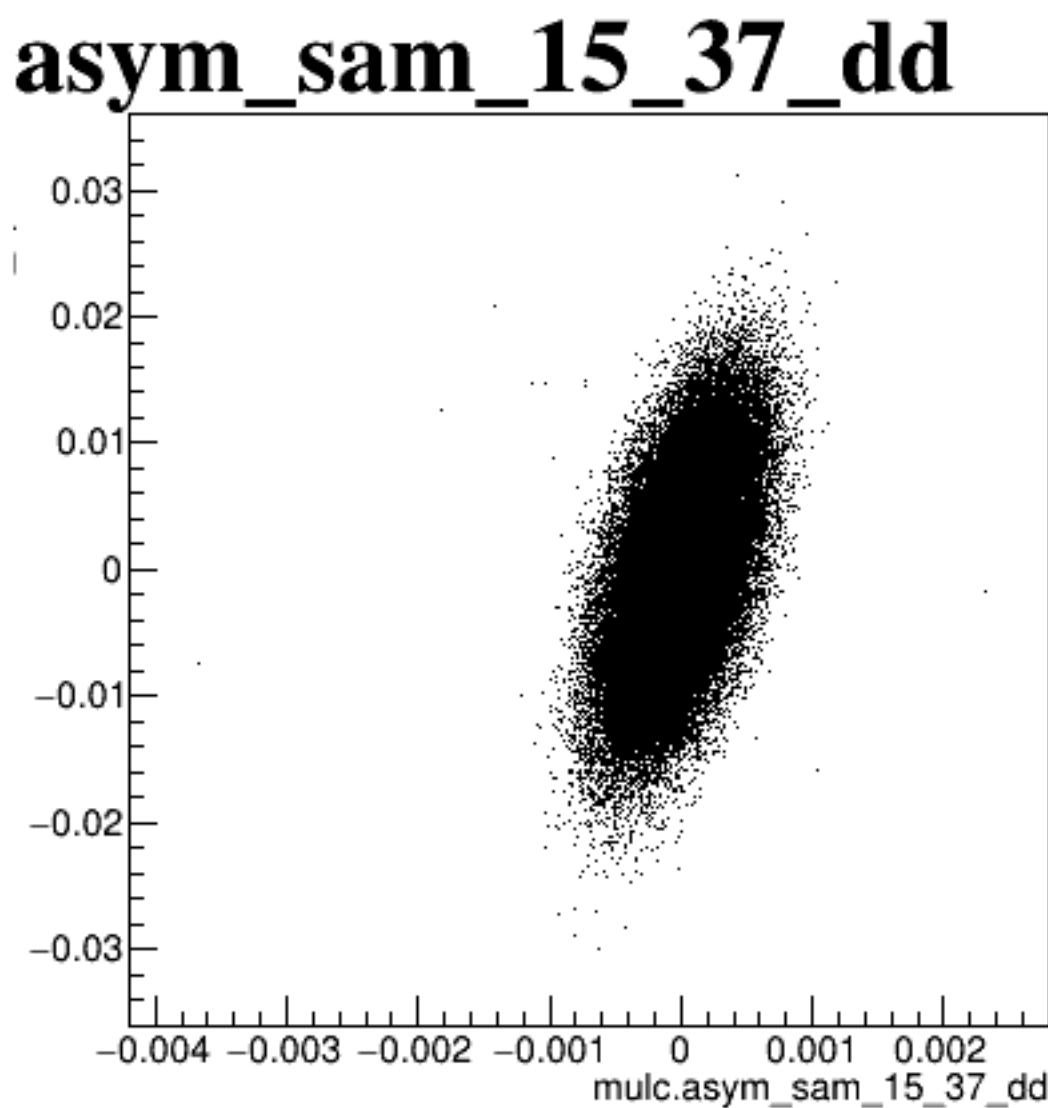
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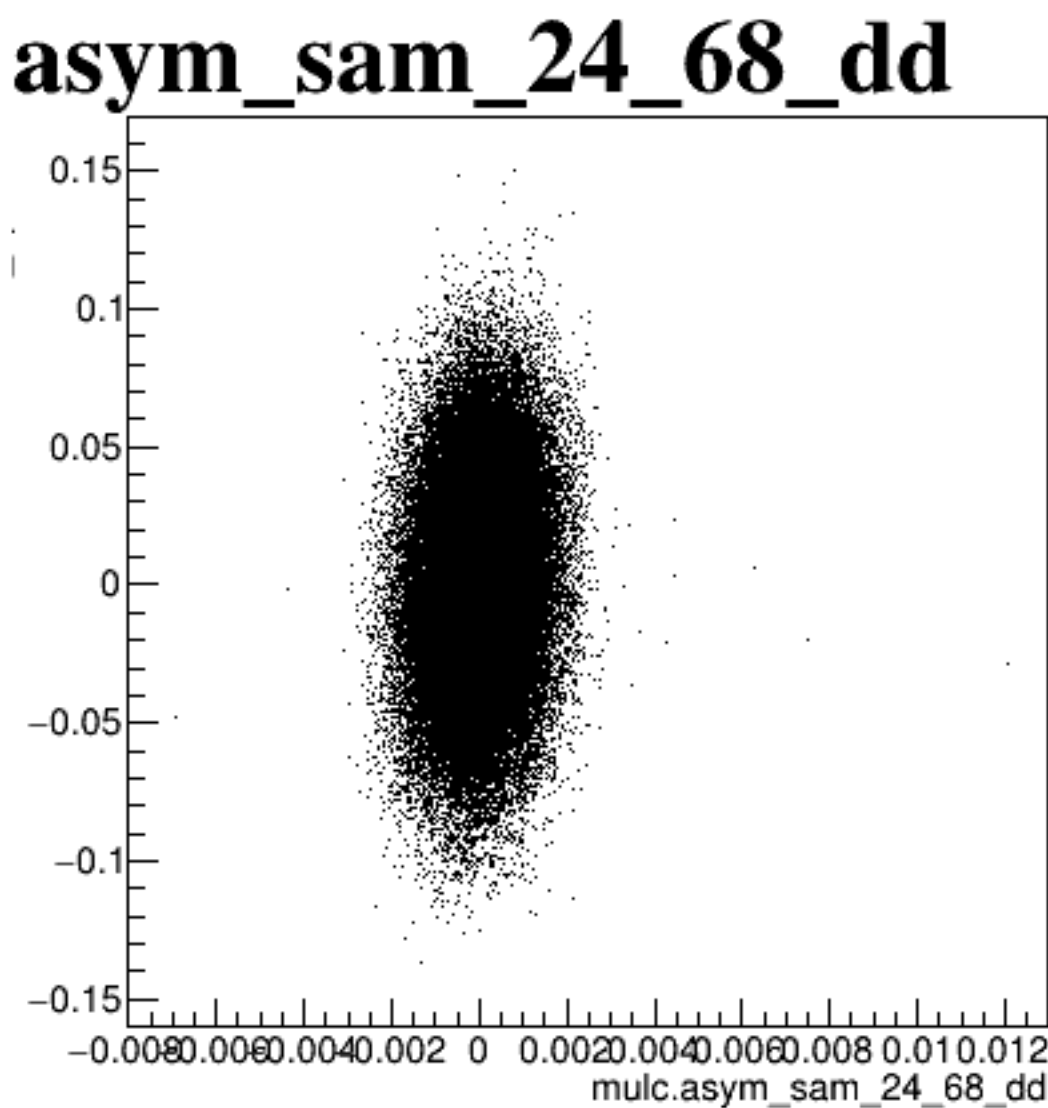
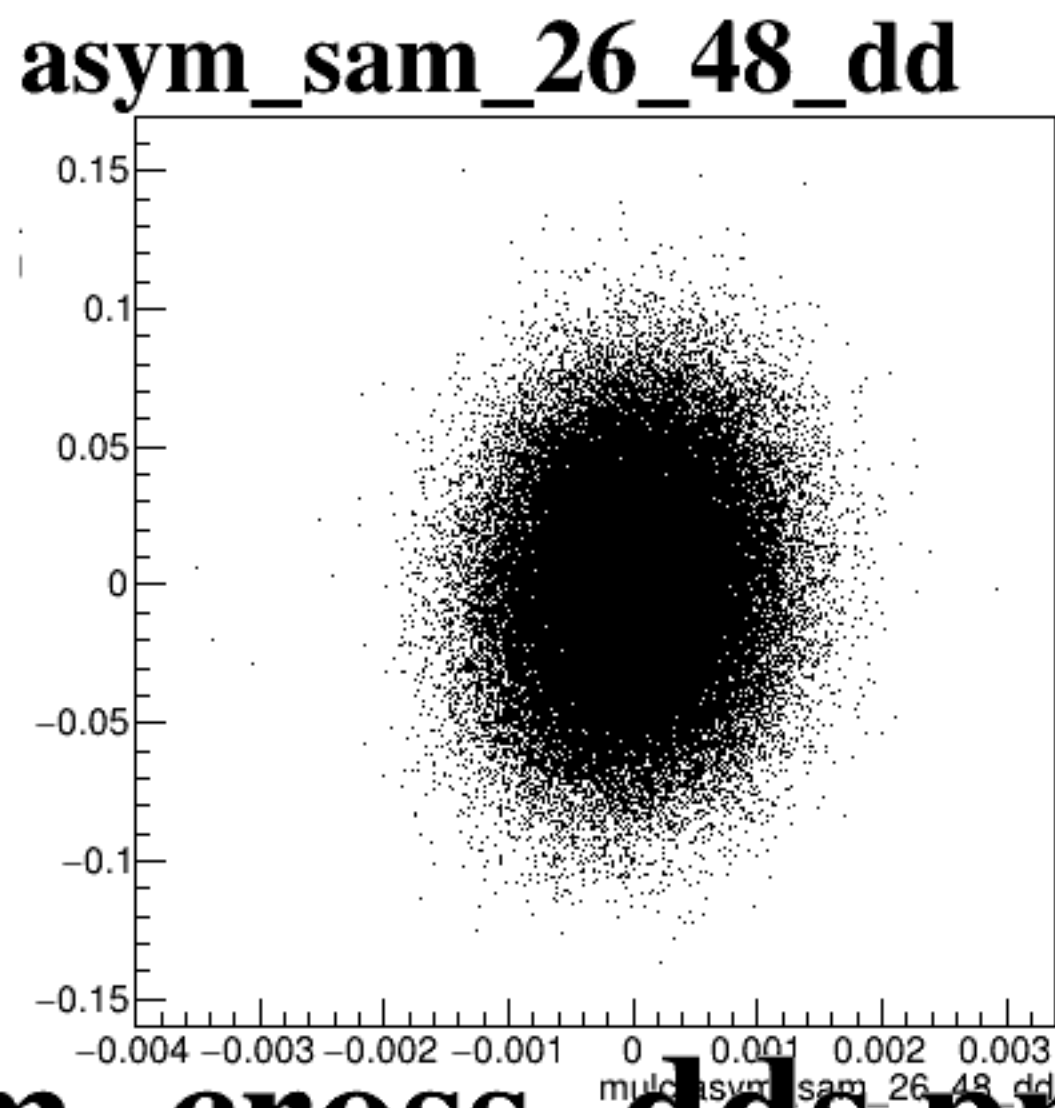
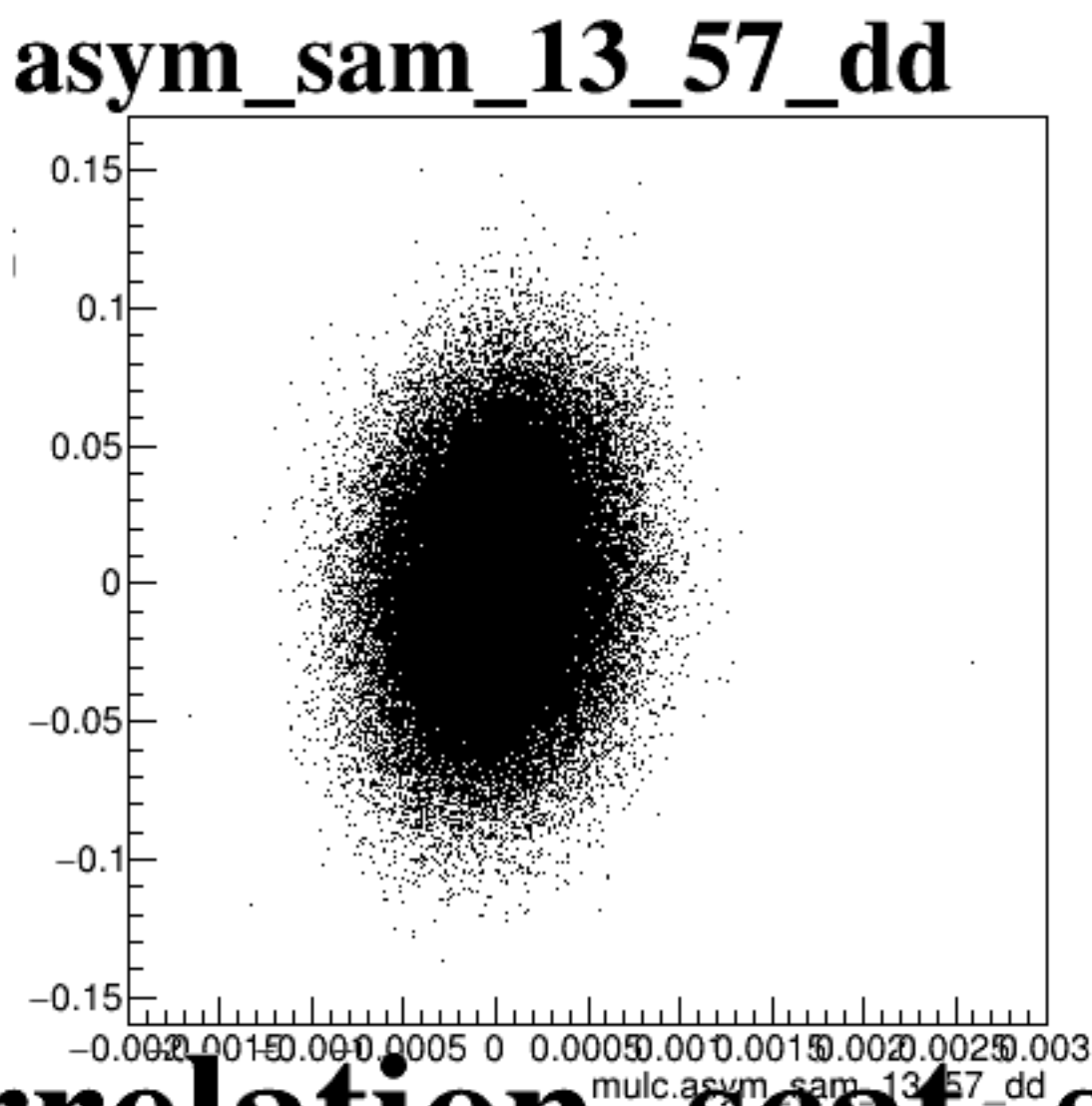
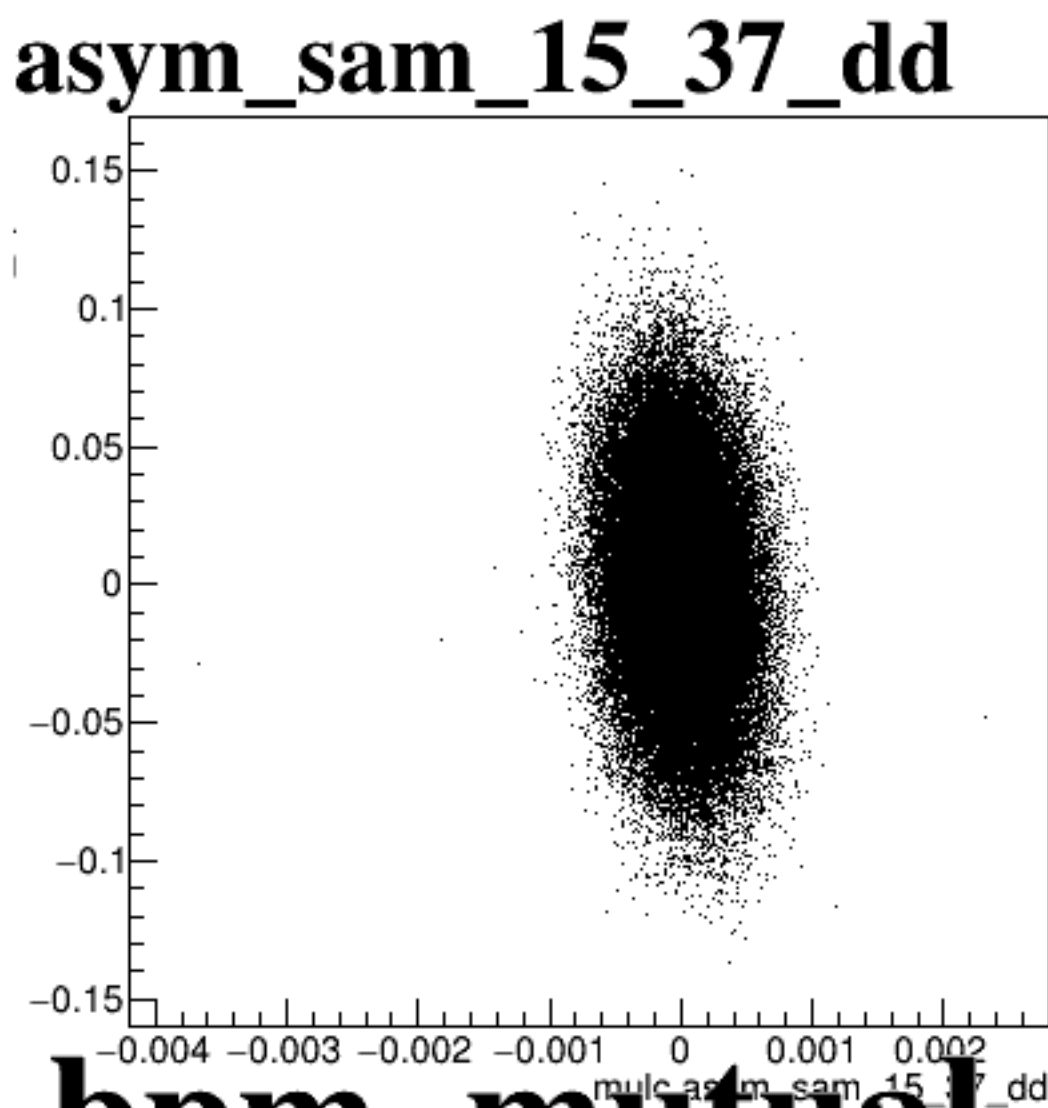
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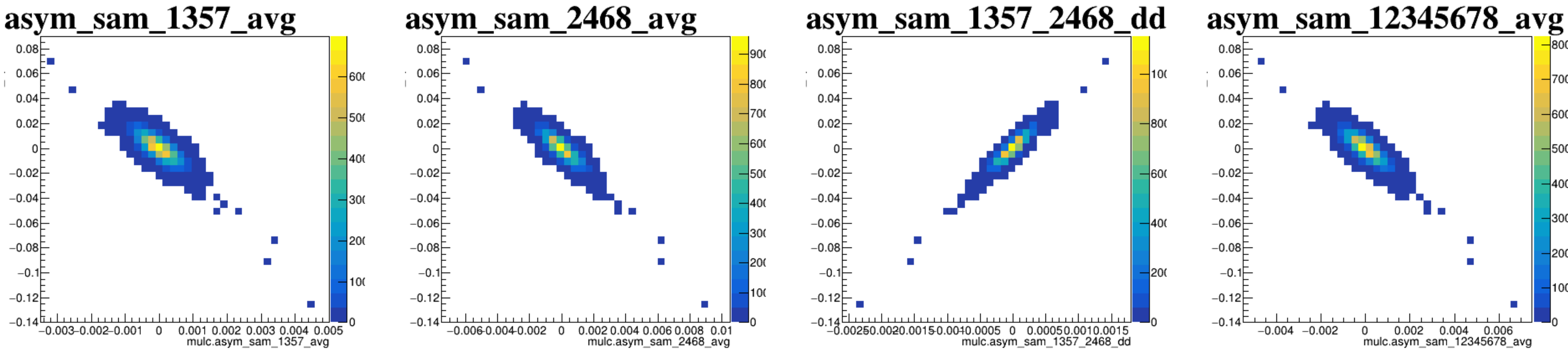
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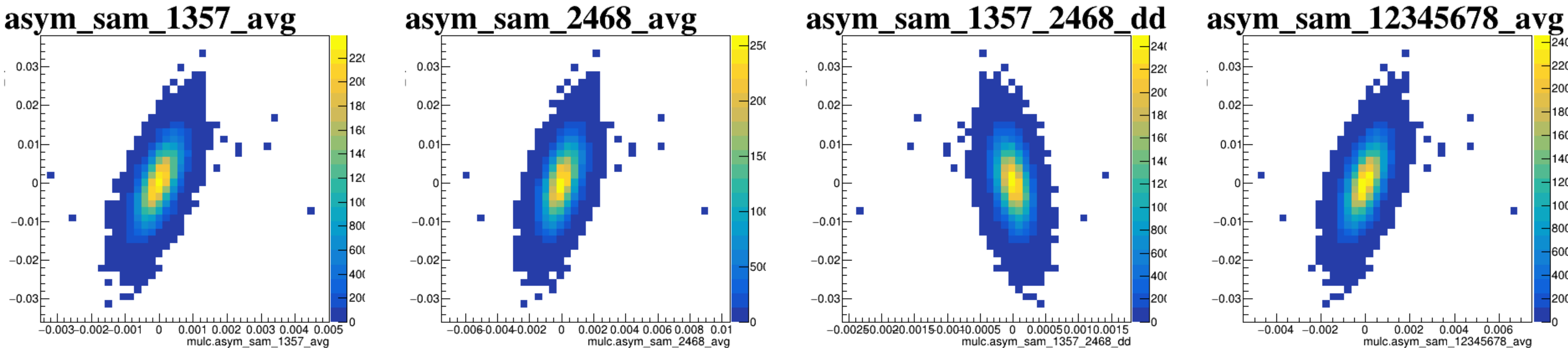
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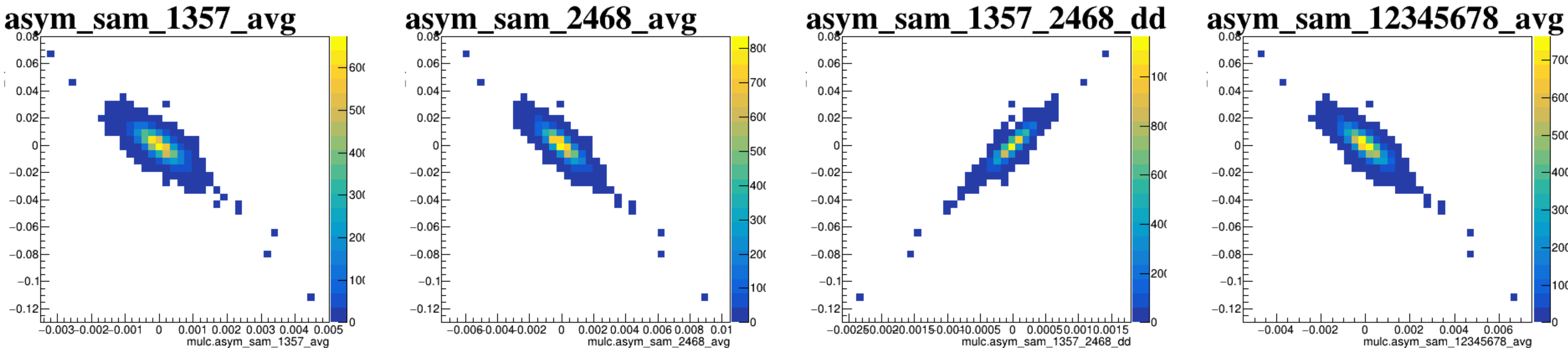
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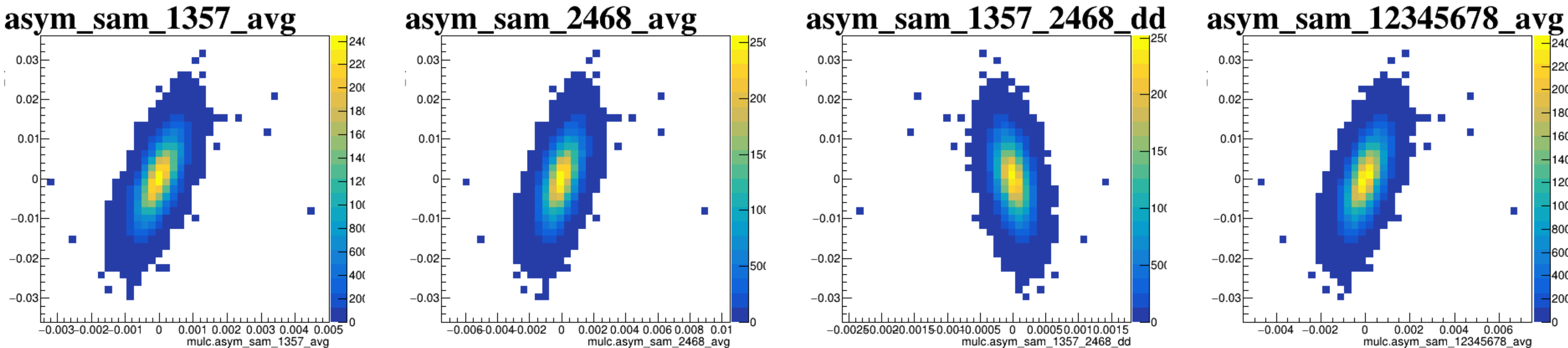
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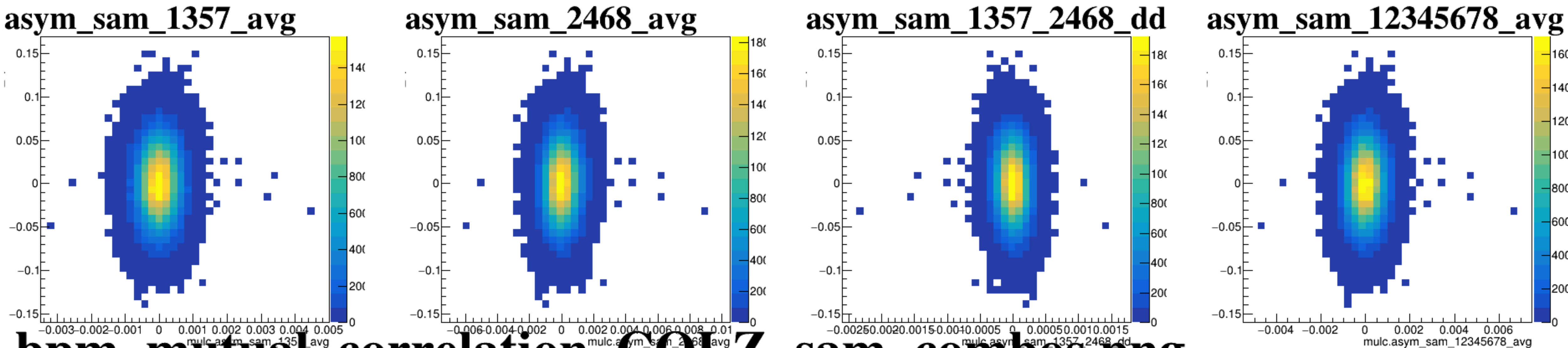
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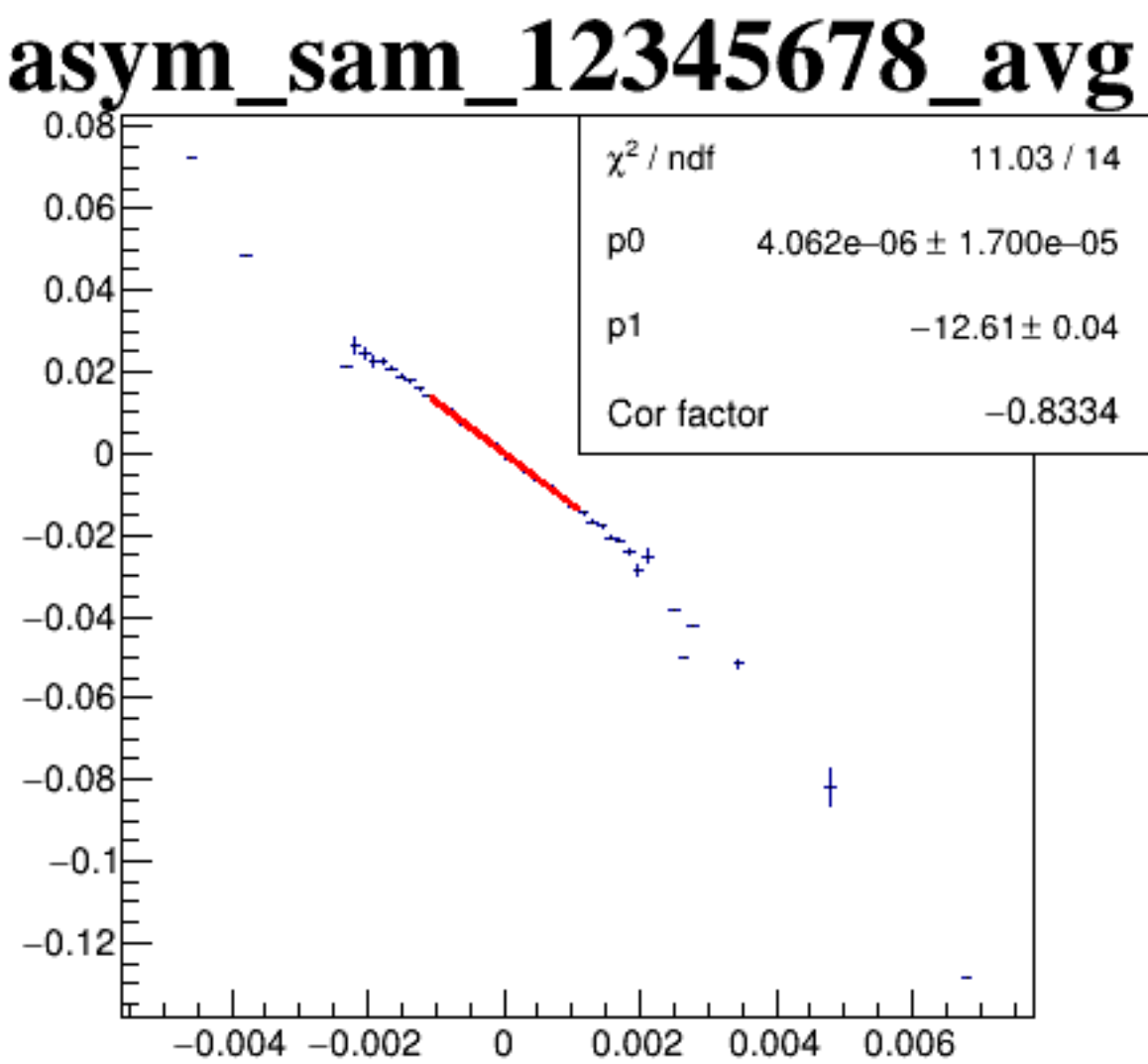
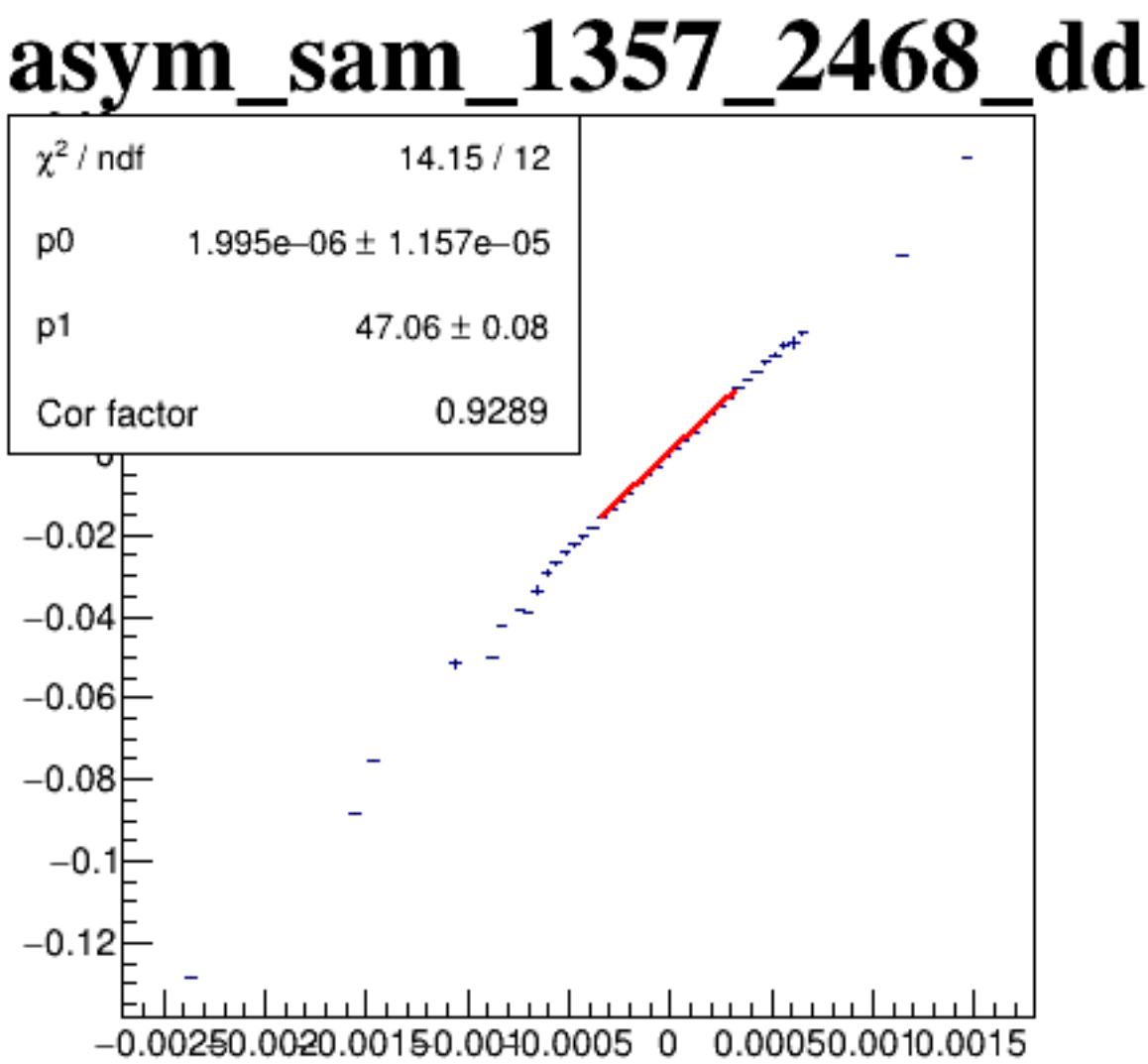
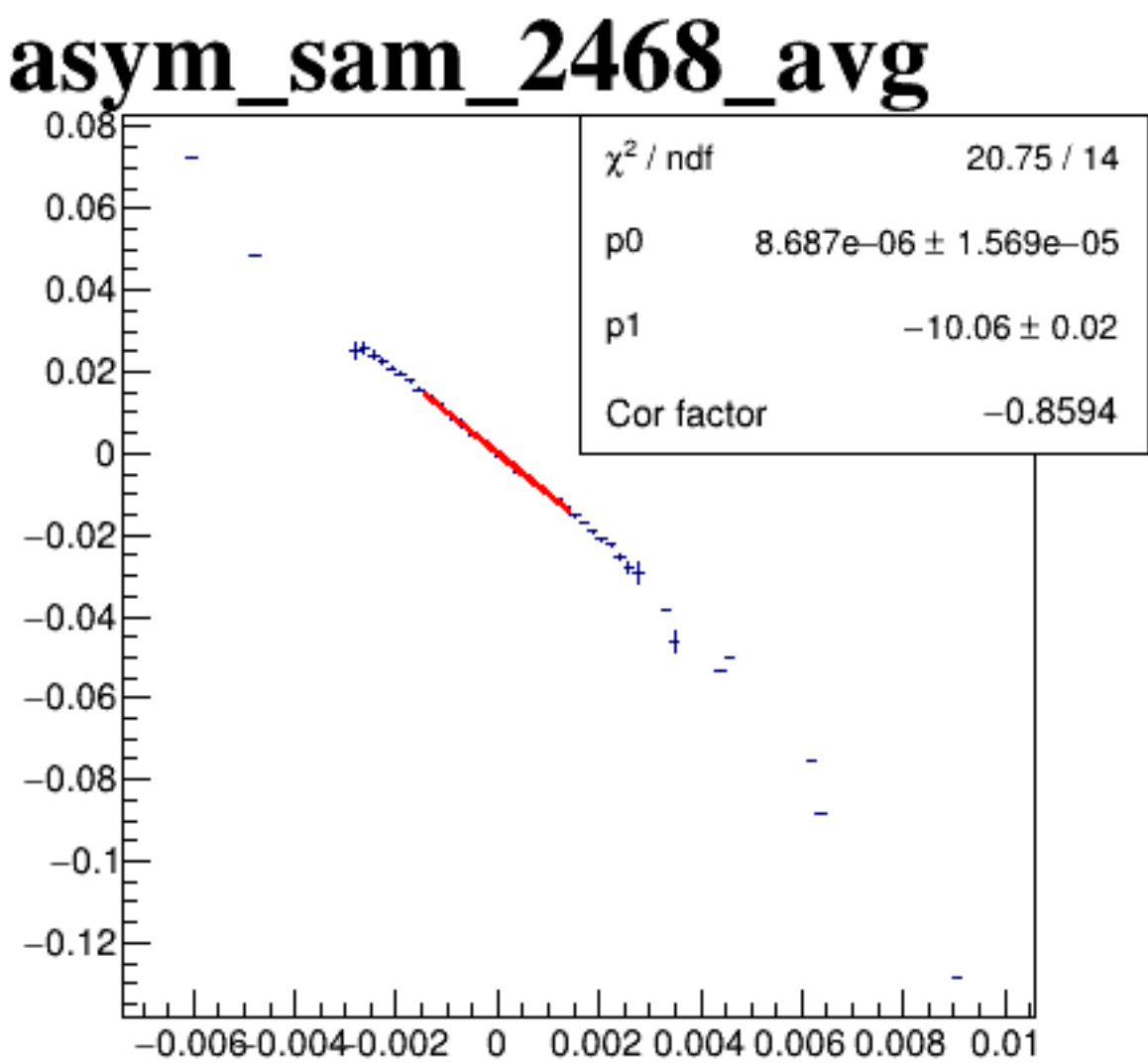
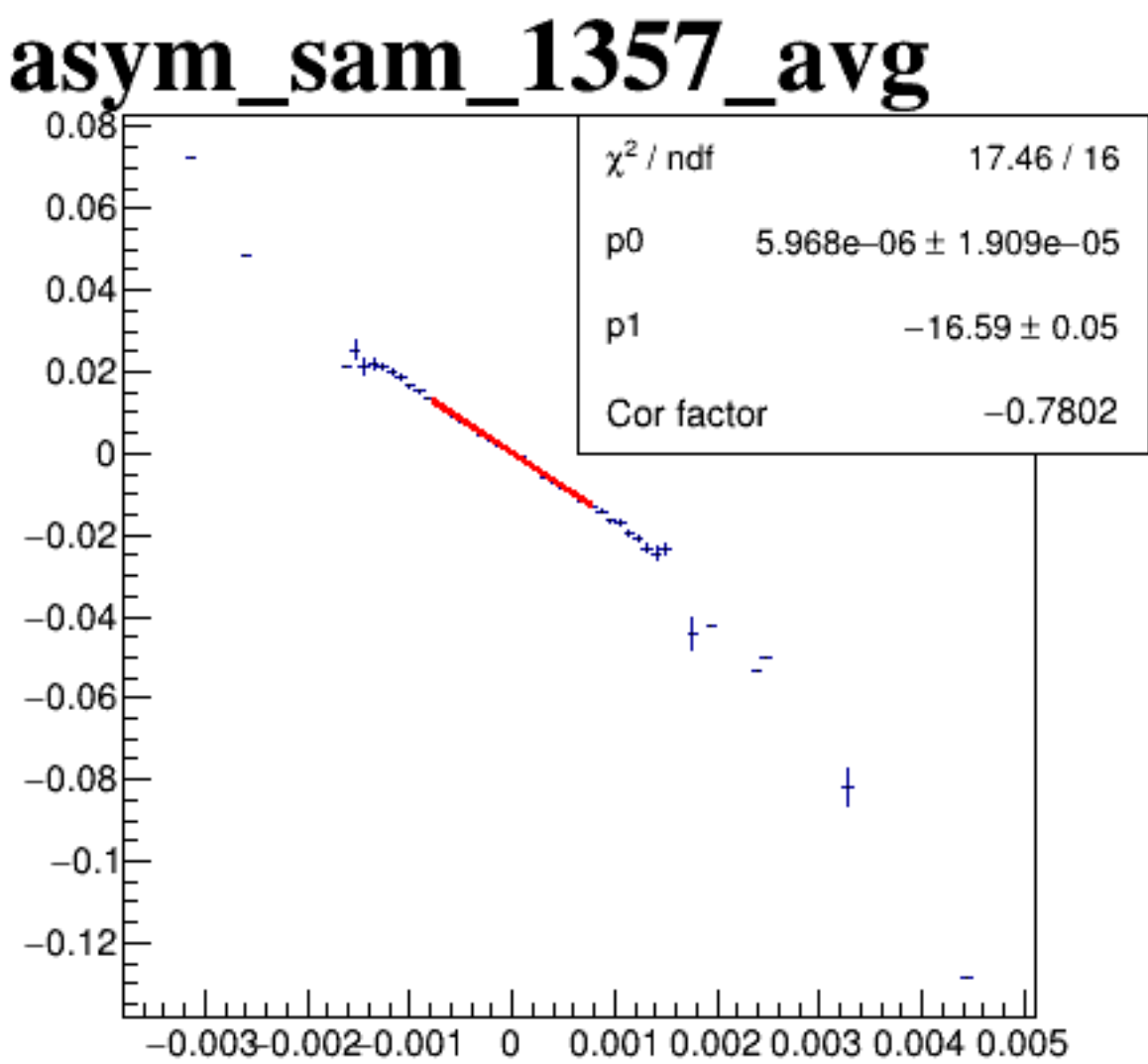
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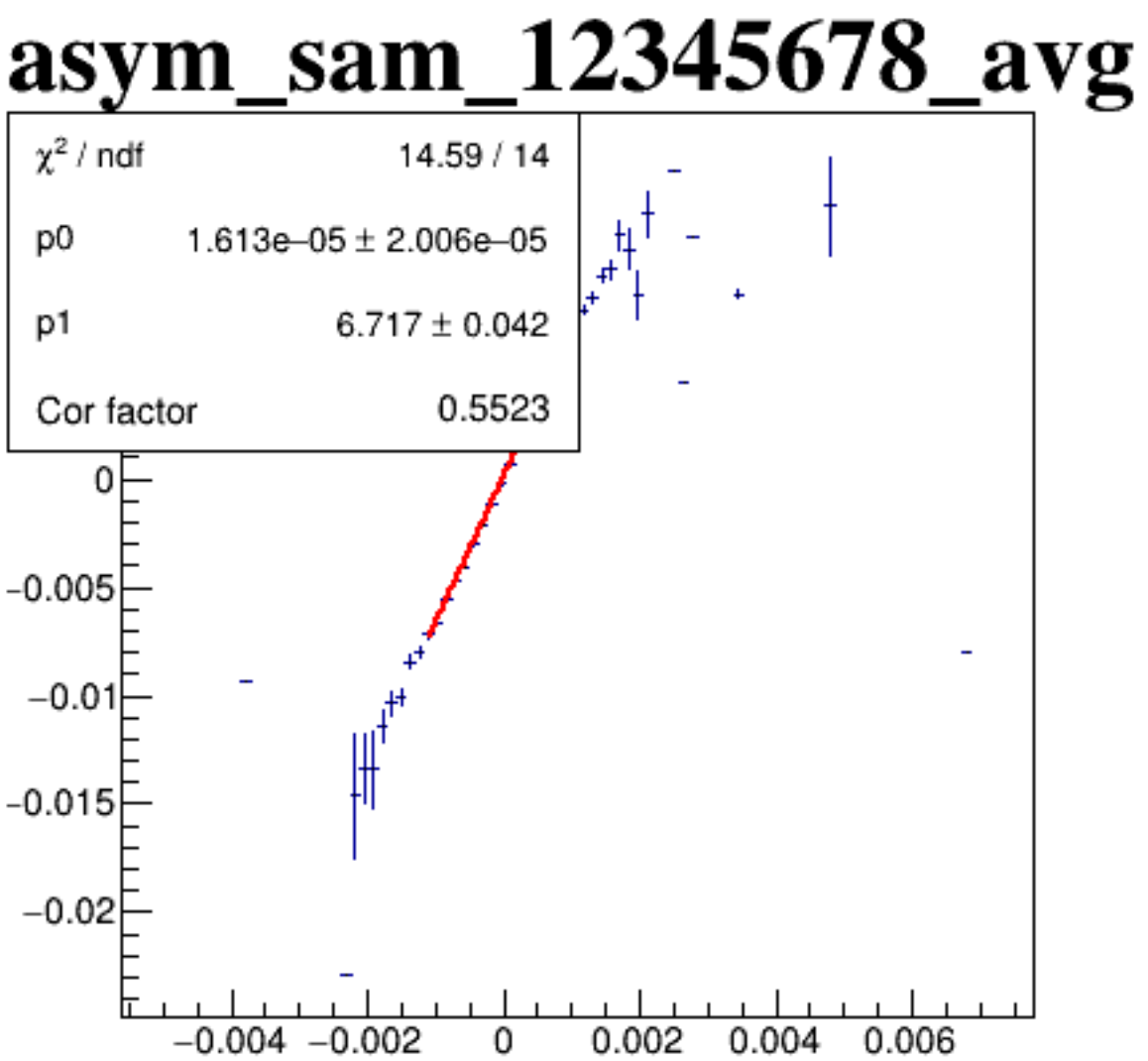
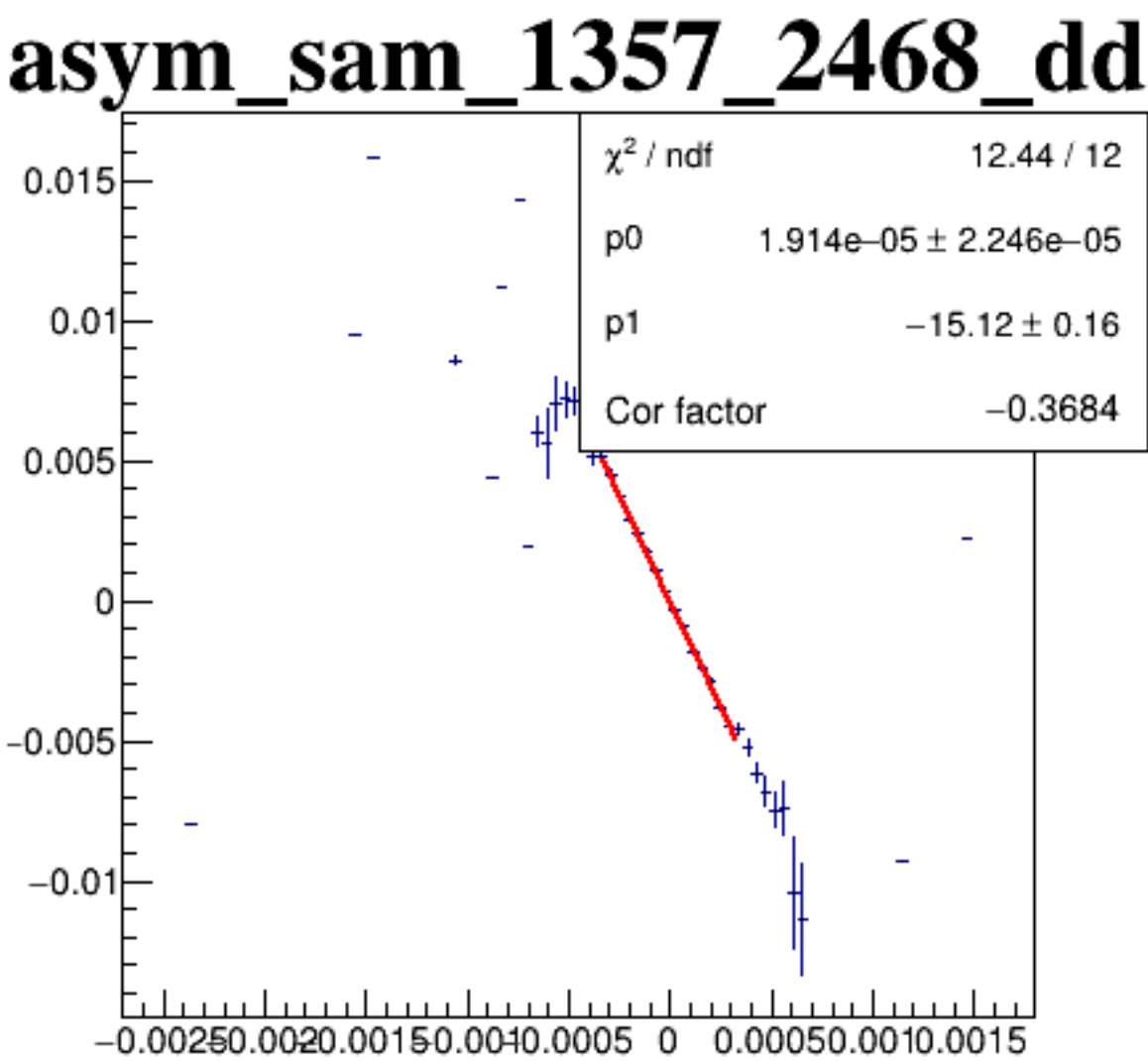
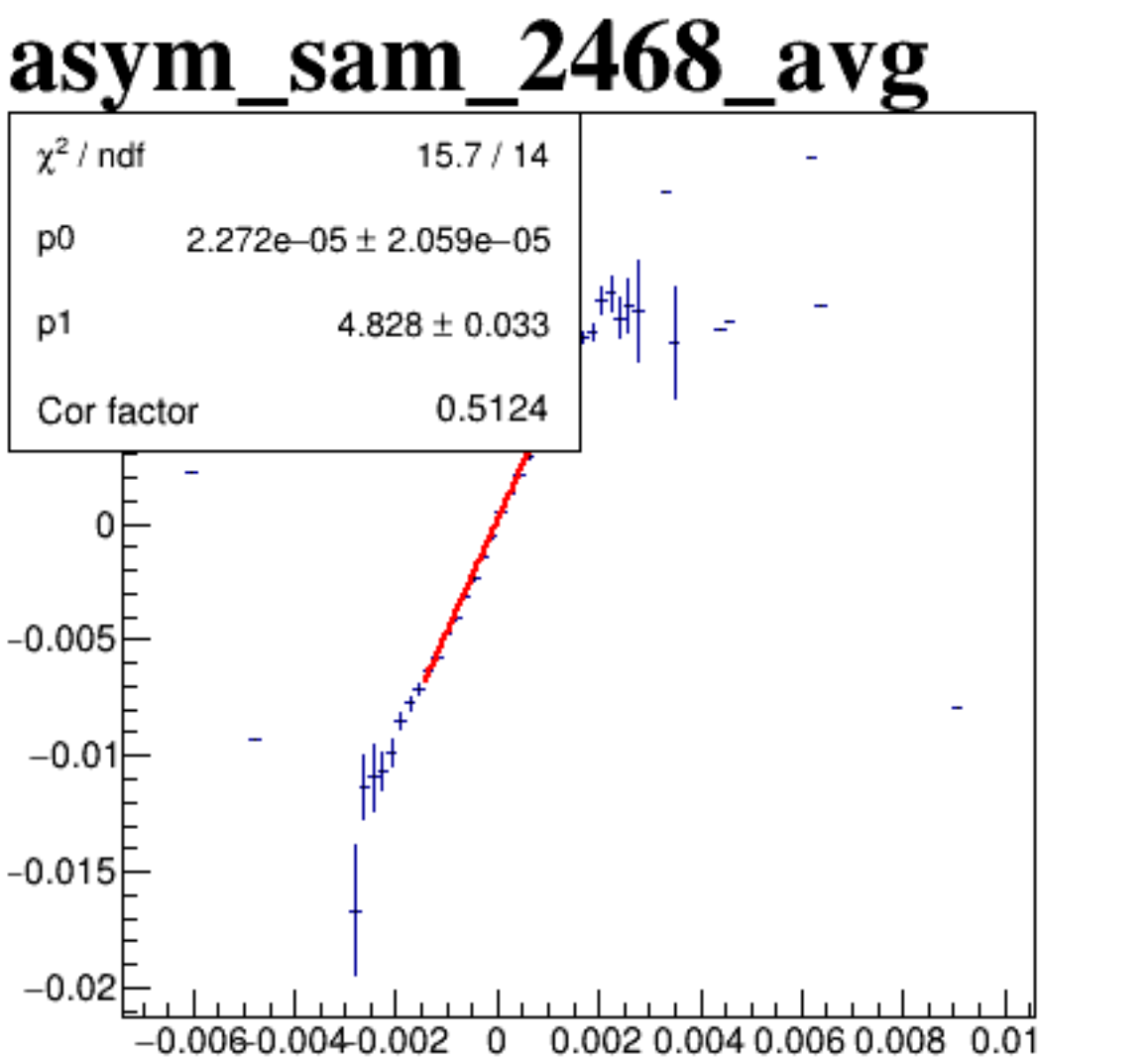
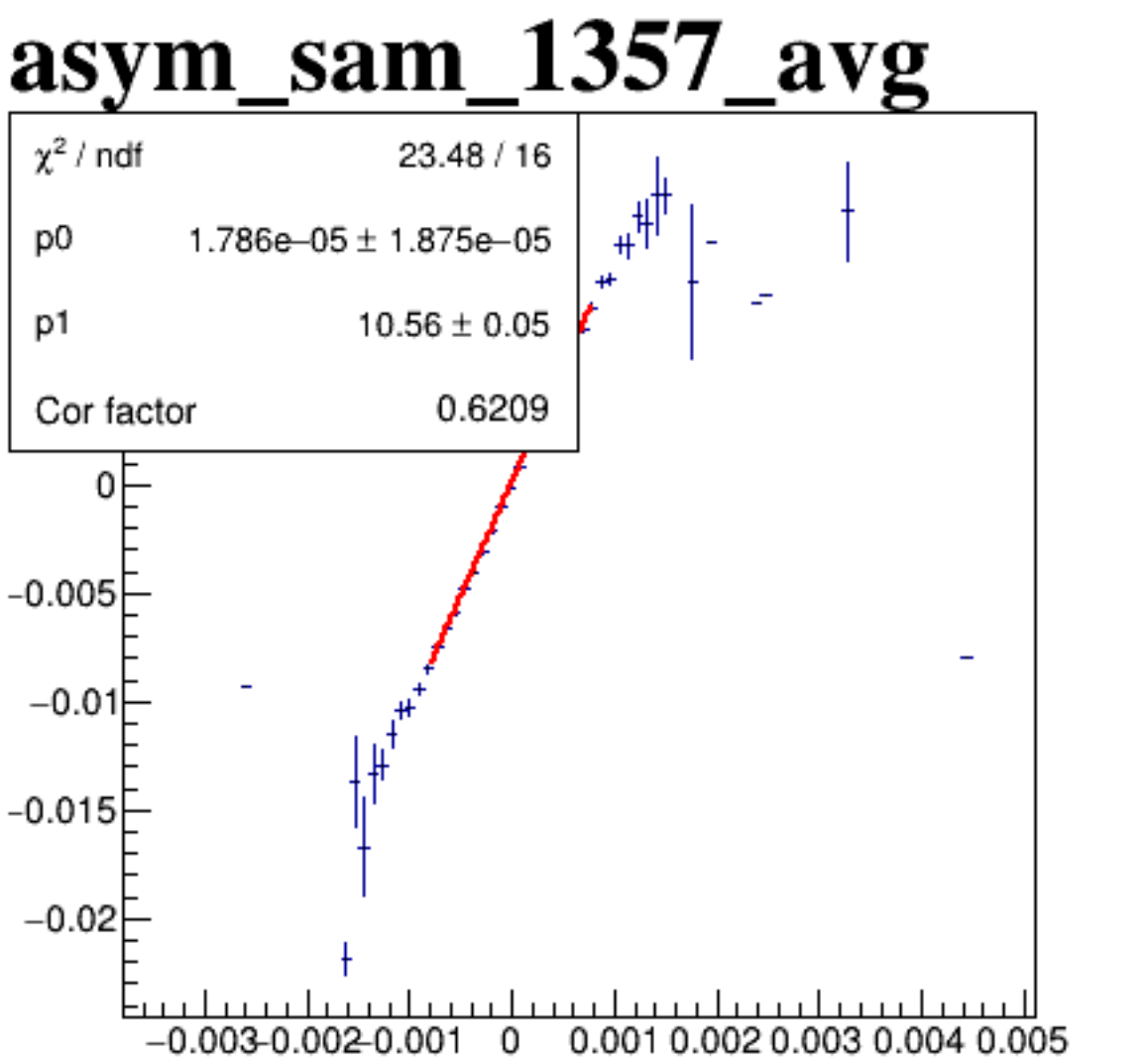
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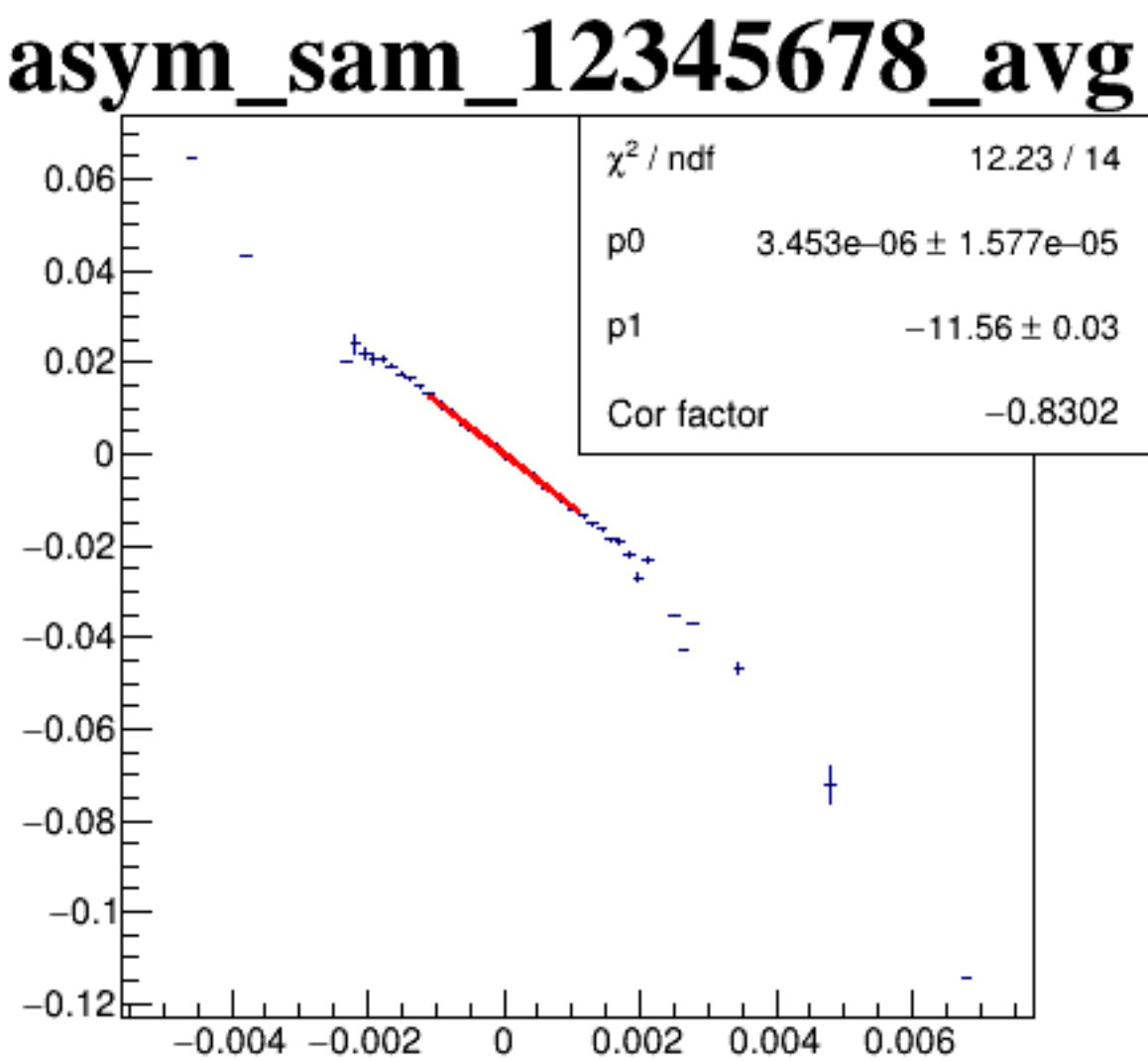
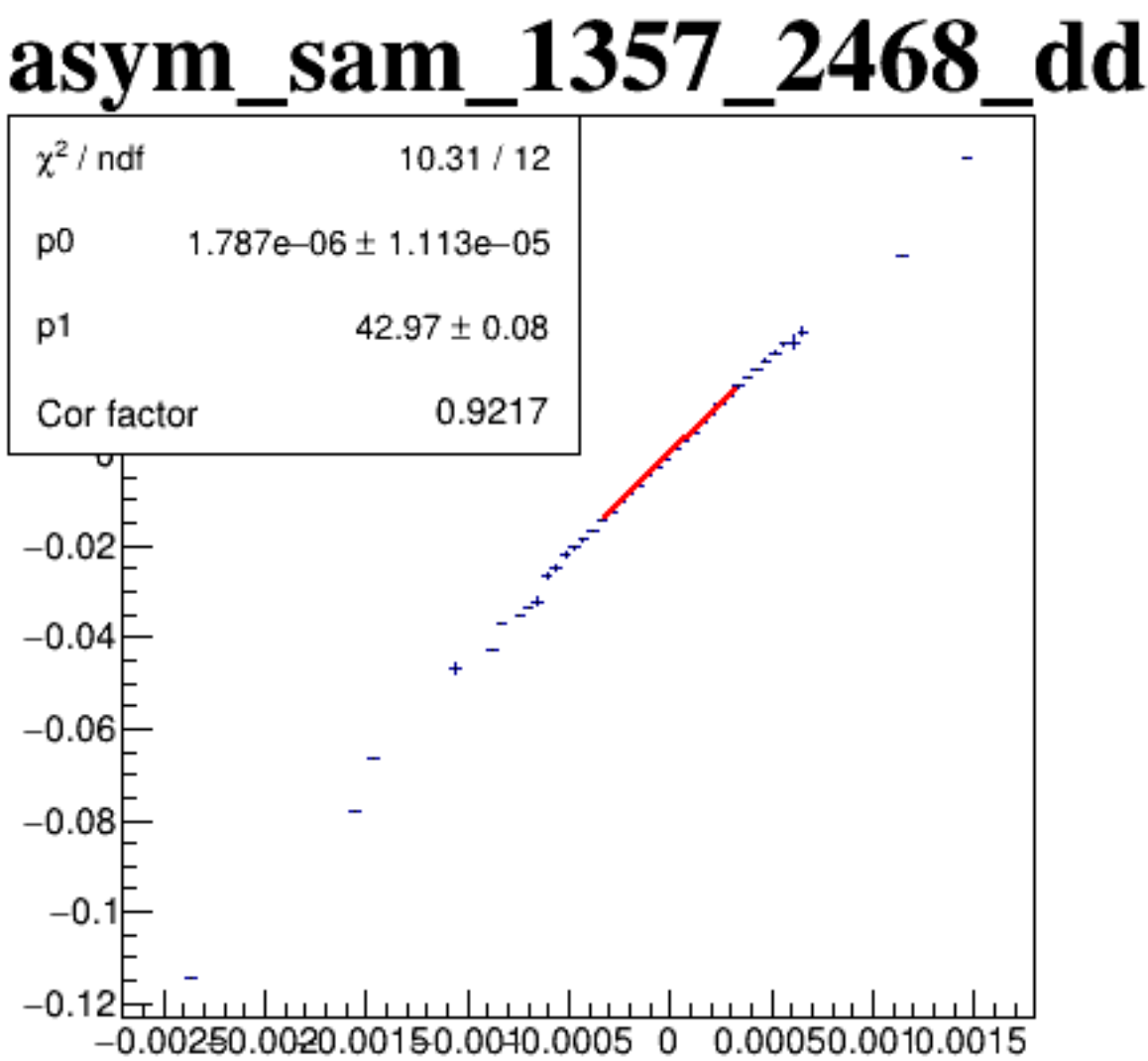
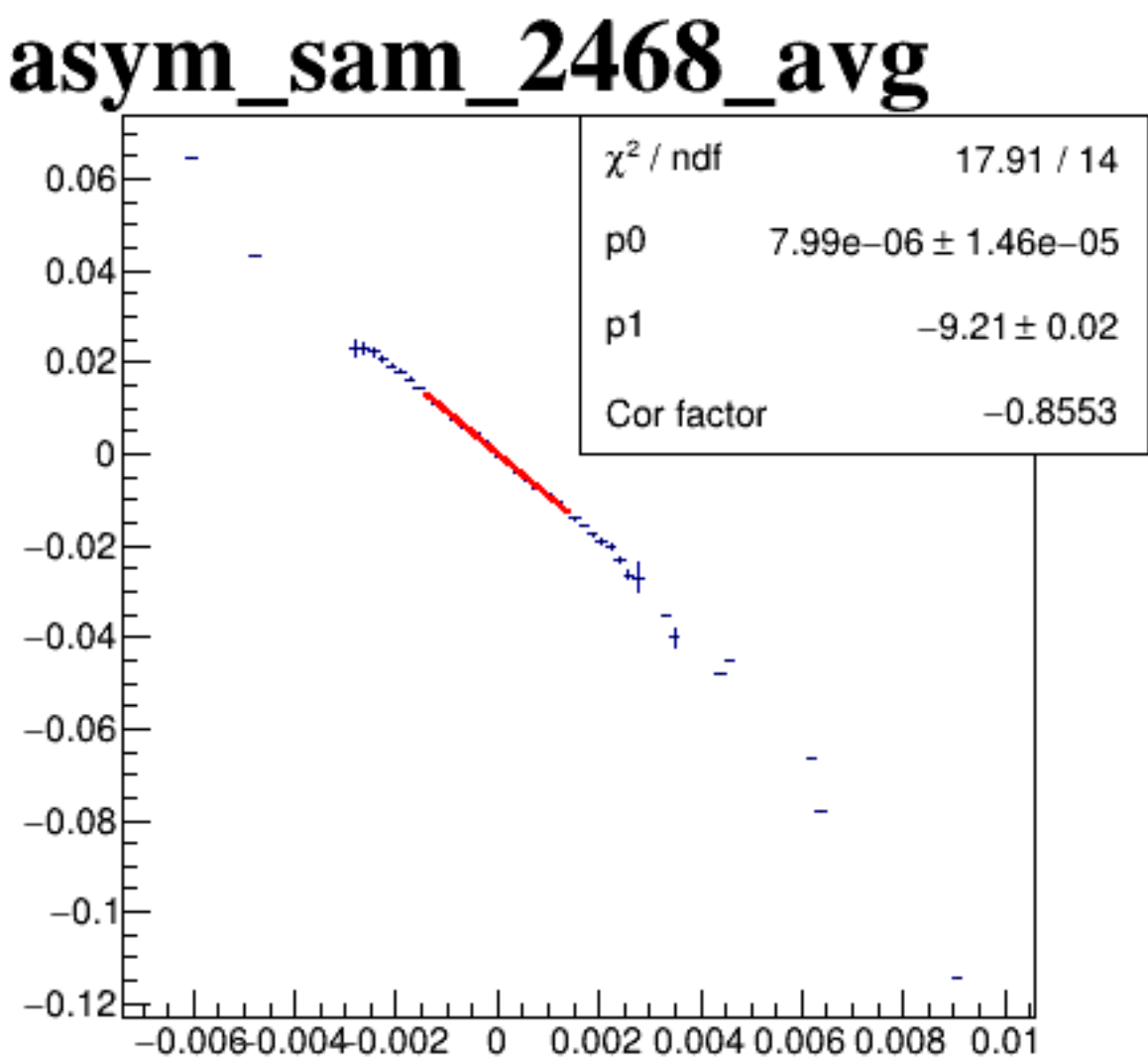
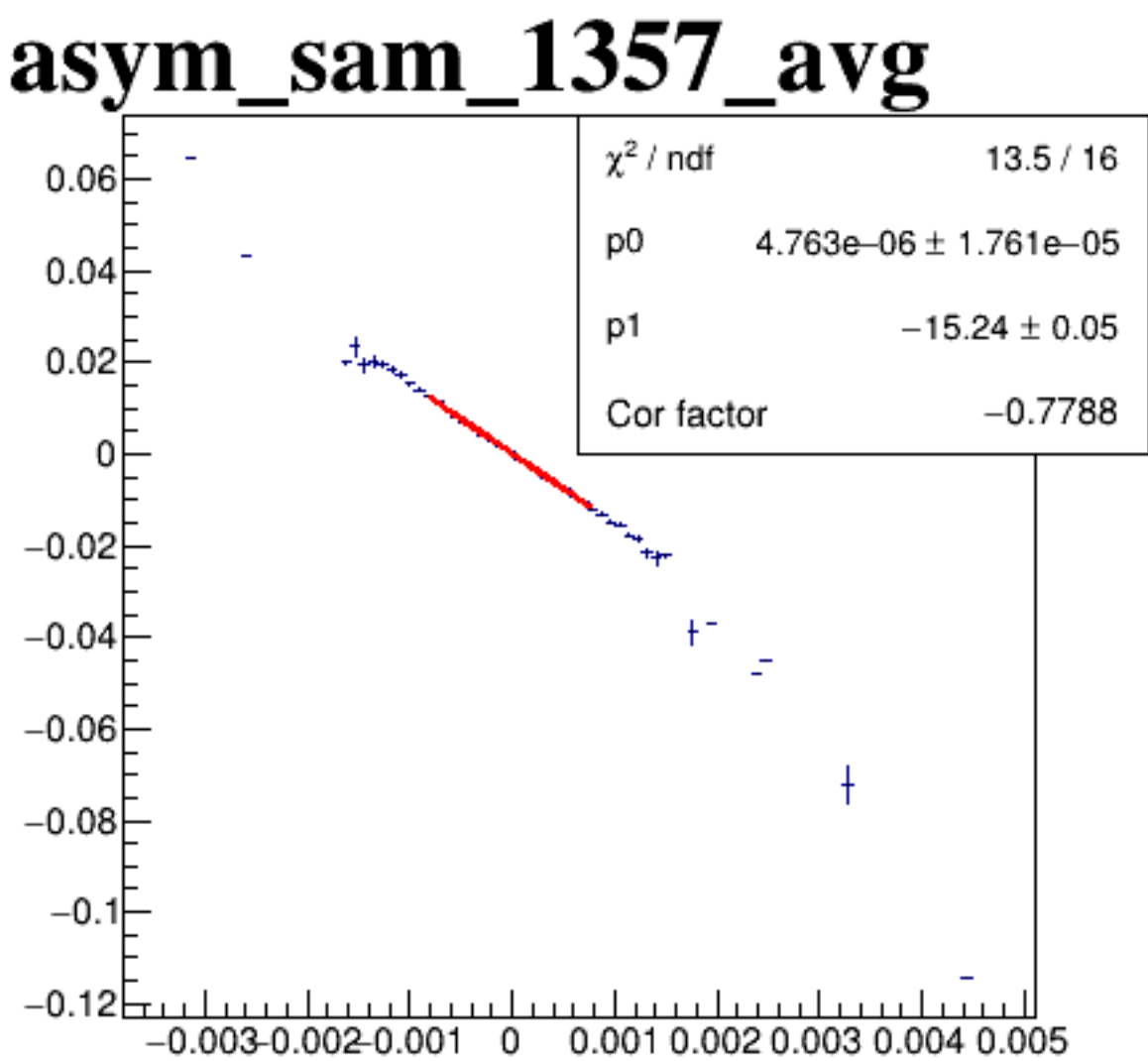
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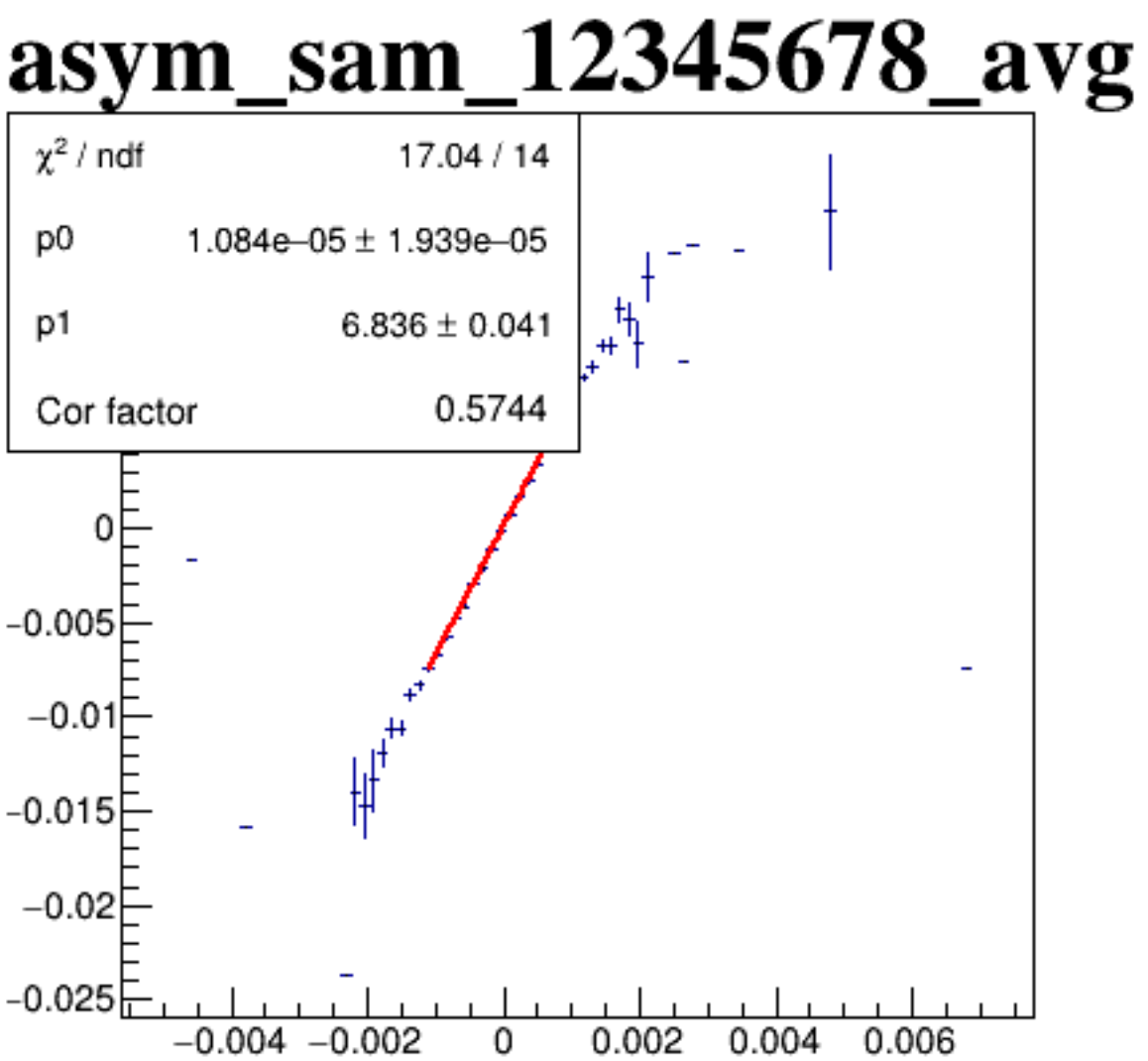
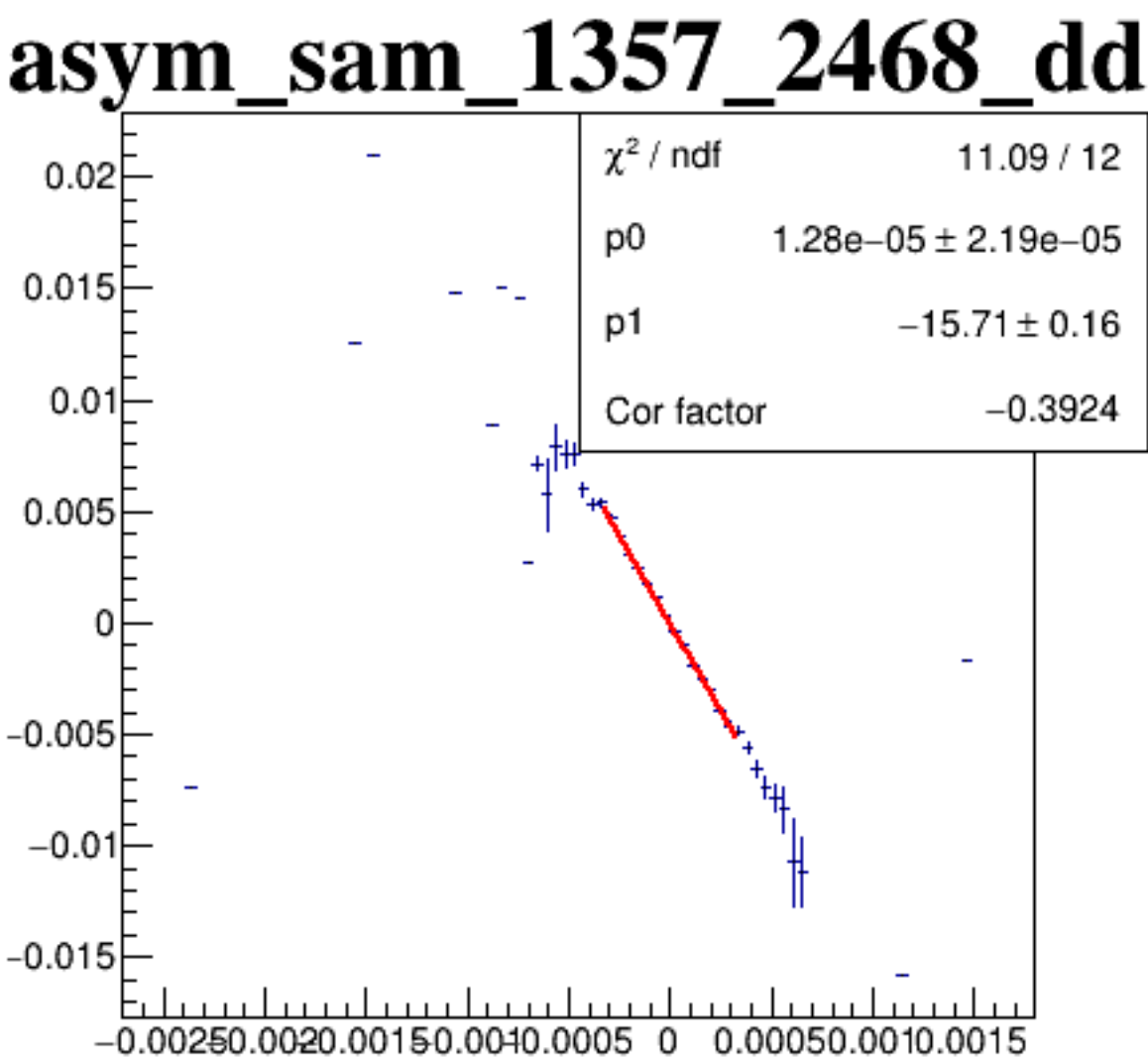
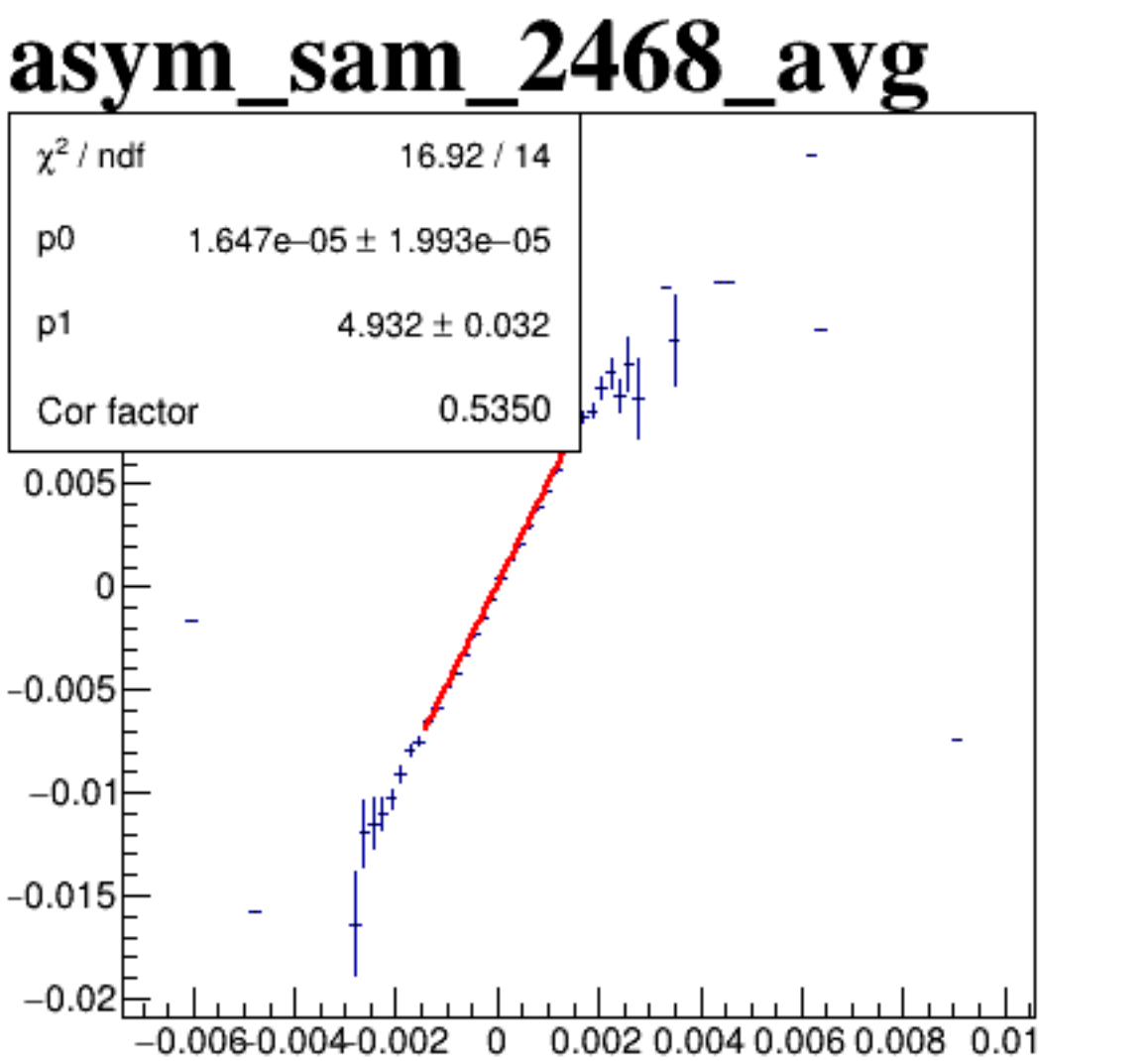
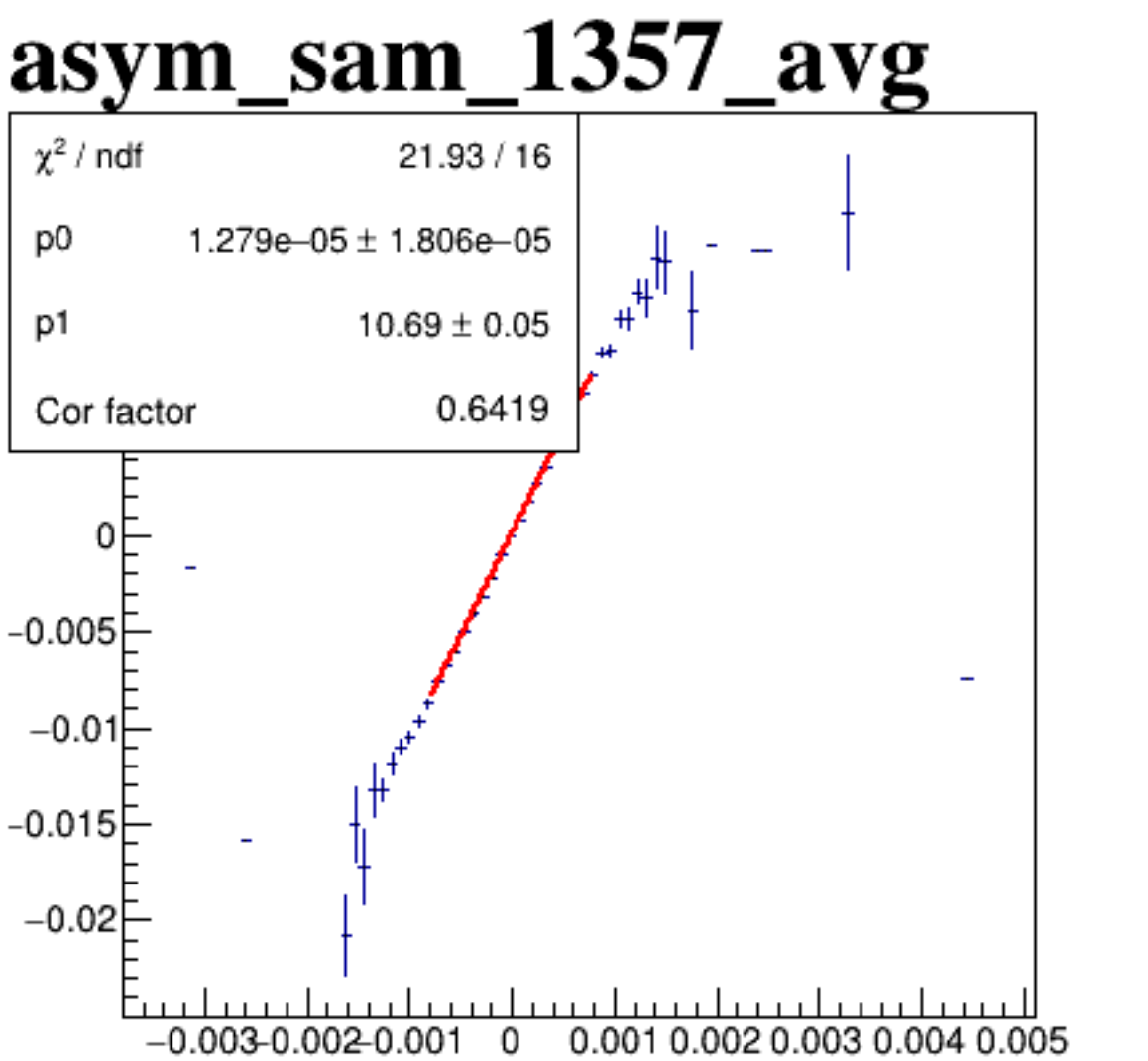
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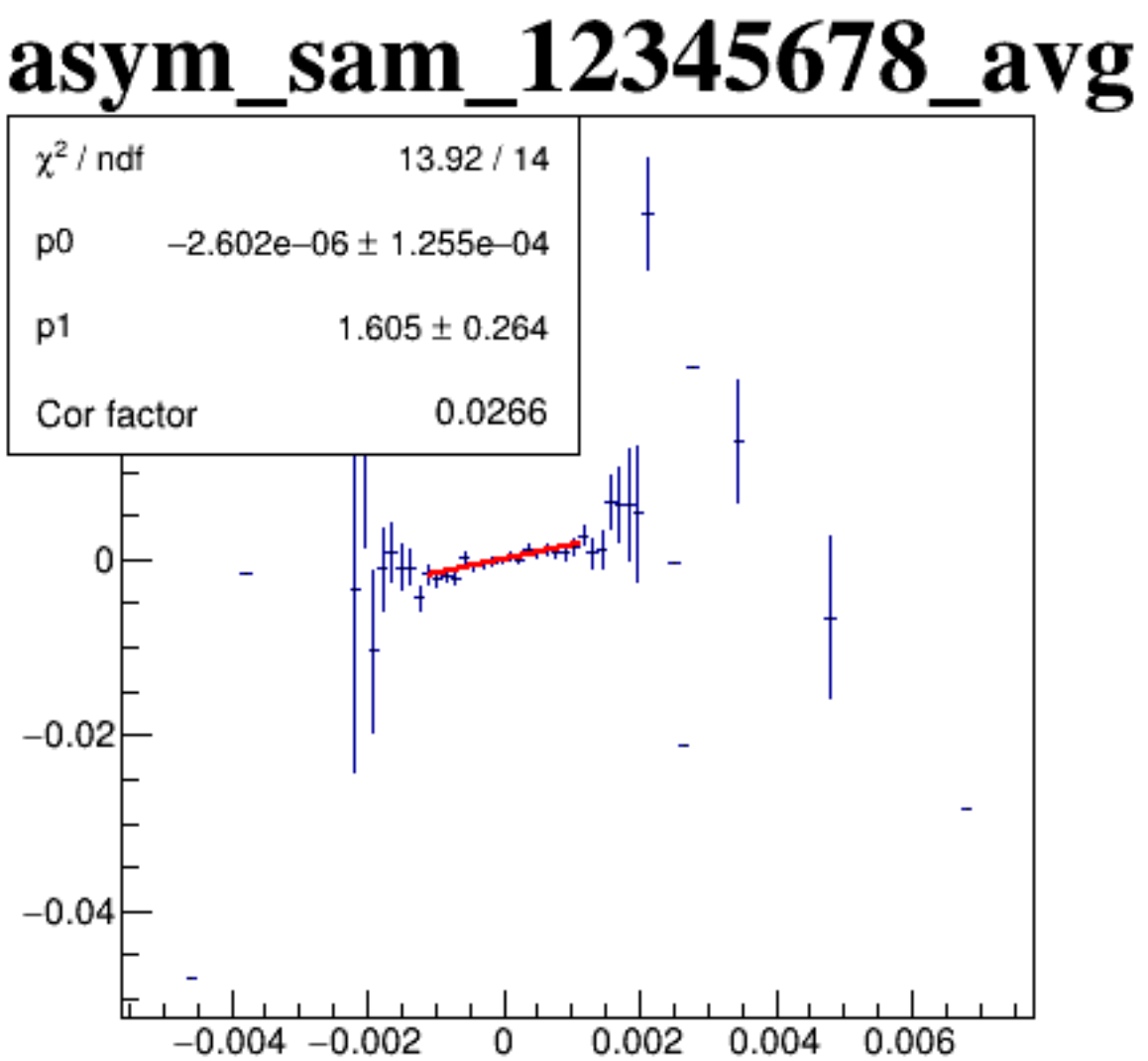
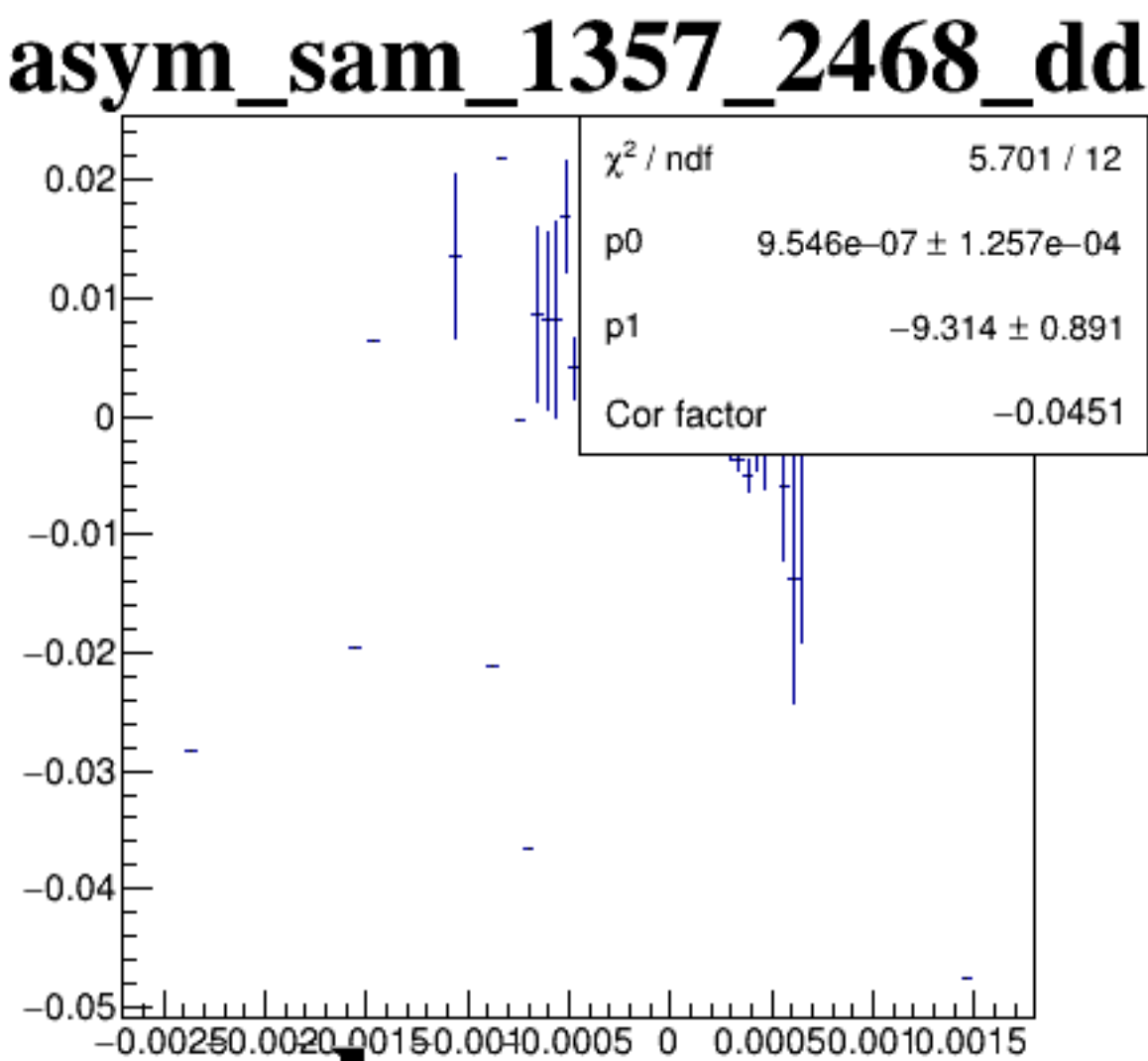
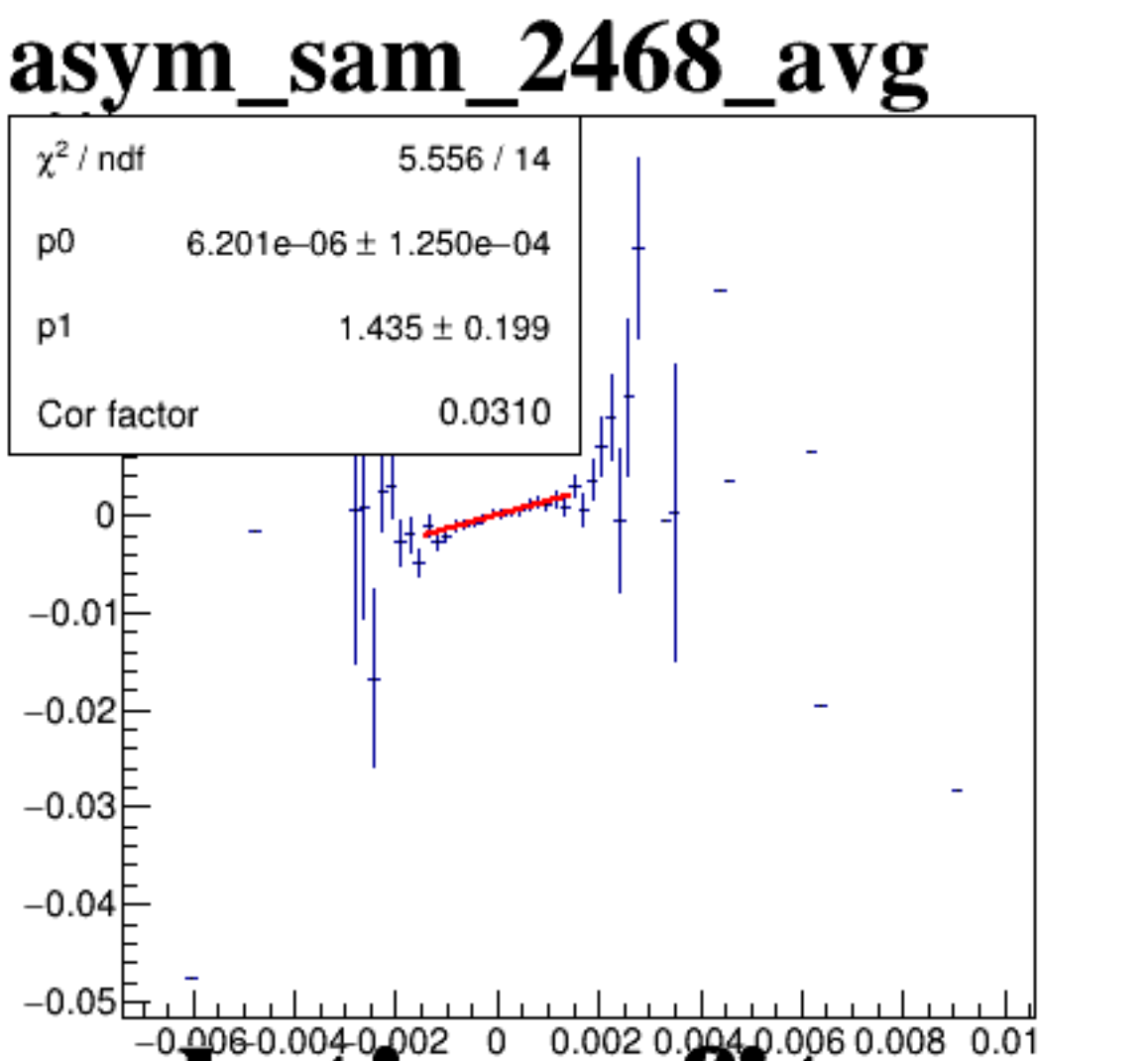
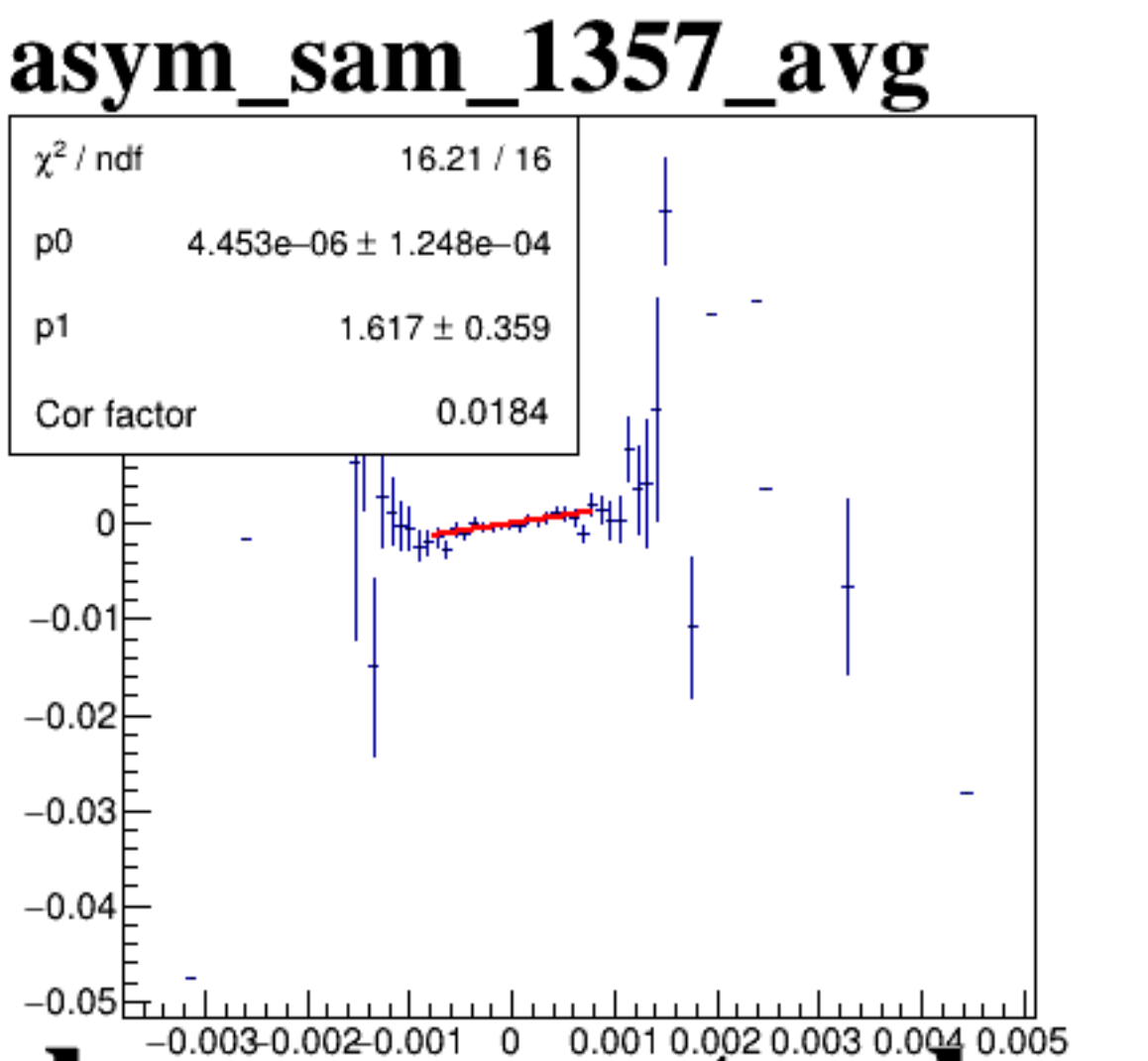
diff\_bpm4eX



diff\_bpm4eY



diff\_bpm12X



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 -0.14 to 0.08, and the x-axis ranges from -0.006 to 0.01. The data points form a dense, elongated elliptical cluster centered around (0, 0), indicating a strong positive correlation between the two variables.

A scatter plot showing the relationship between `mulc.asym_sam_12345678_avg` (x-axis) and `asym_sam_12345678_avg` (y-axis). The x-axis ranges from -0.004 to 0.006, 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.