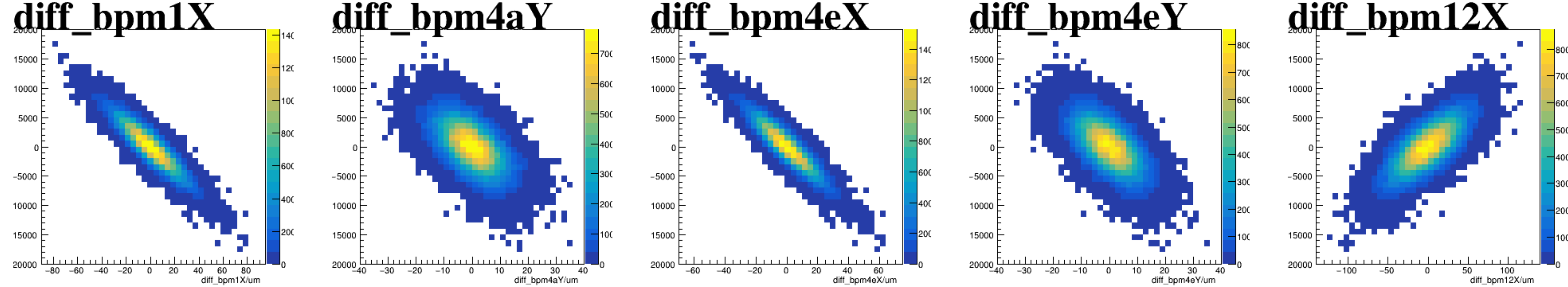
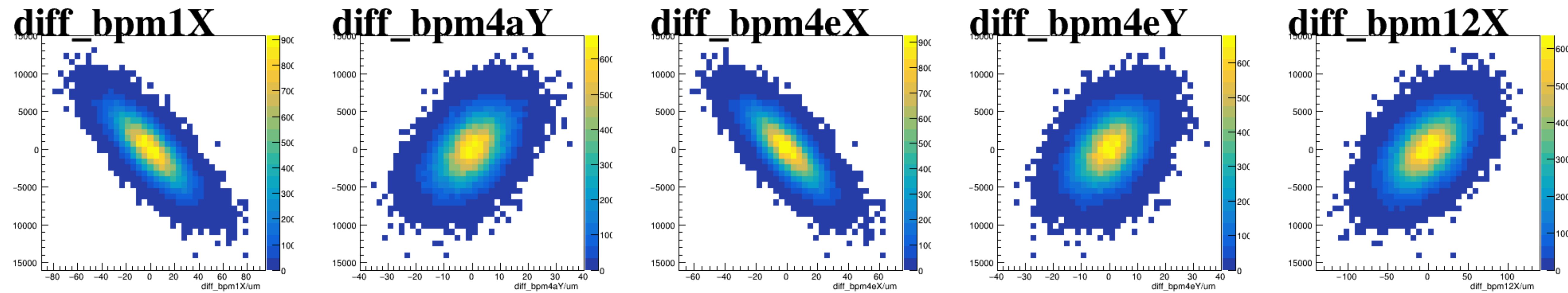


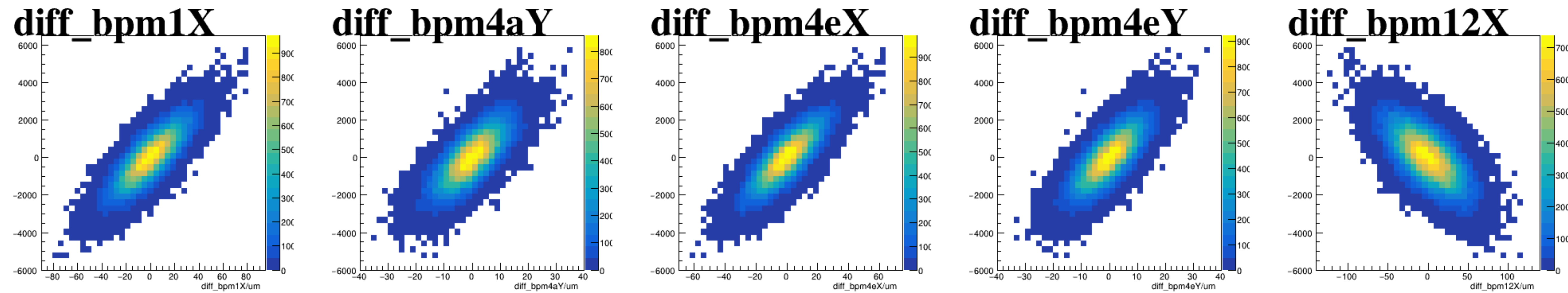
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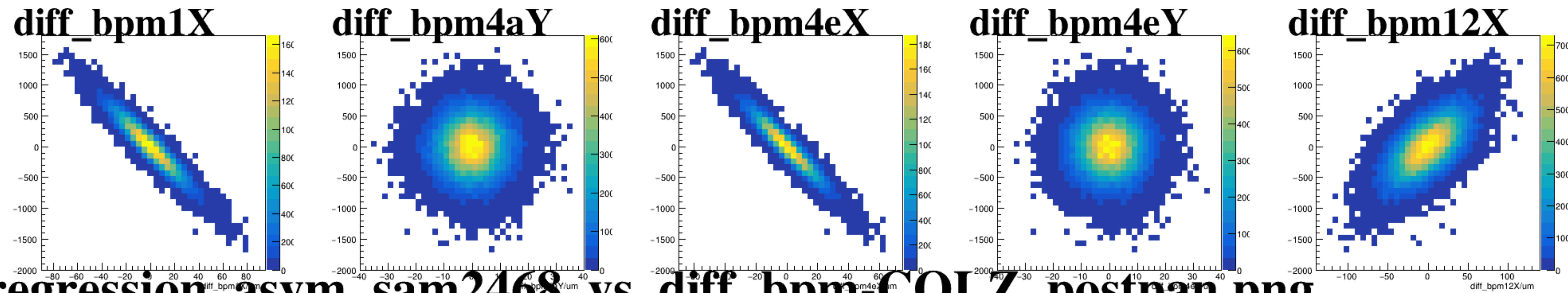
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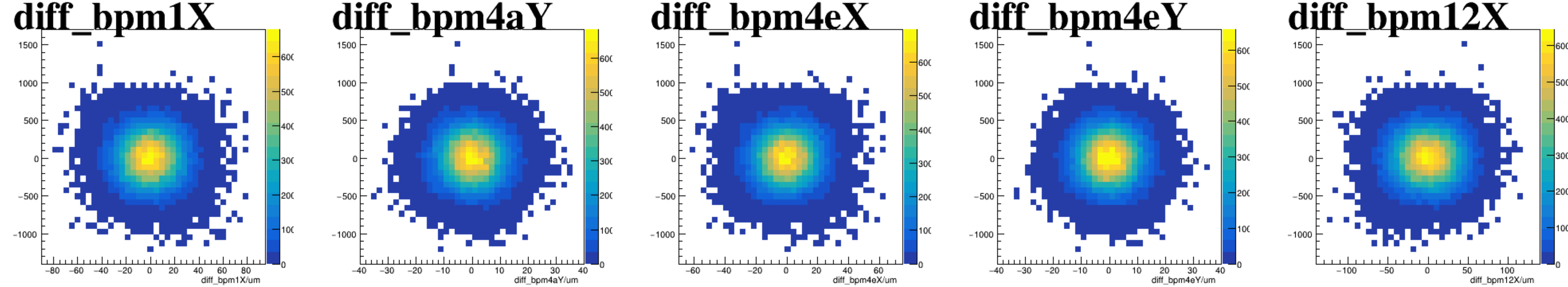
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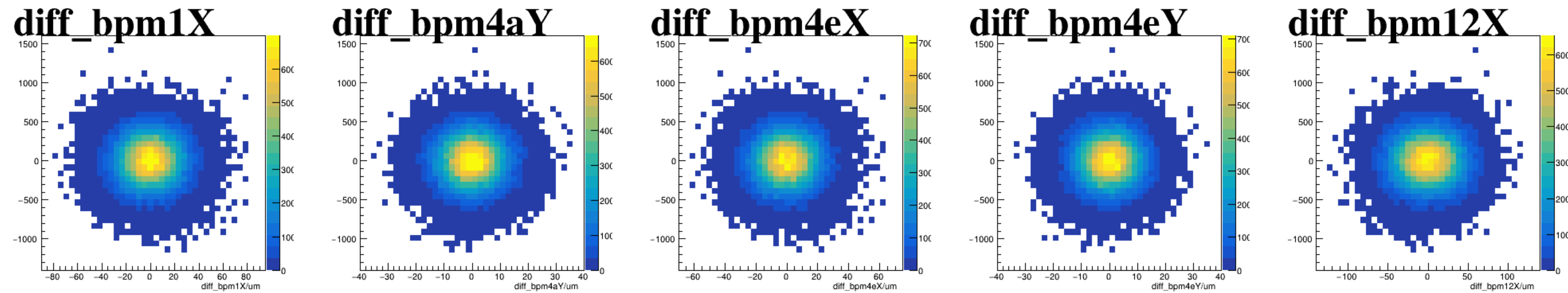
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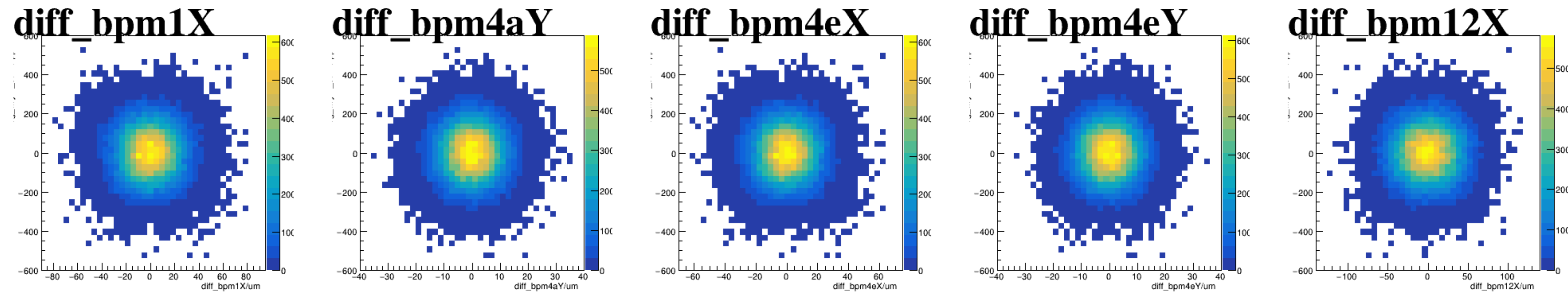
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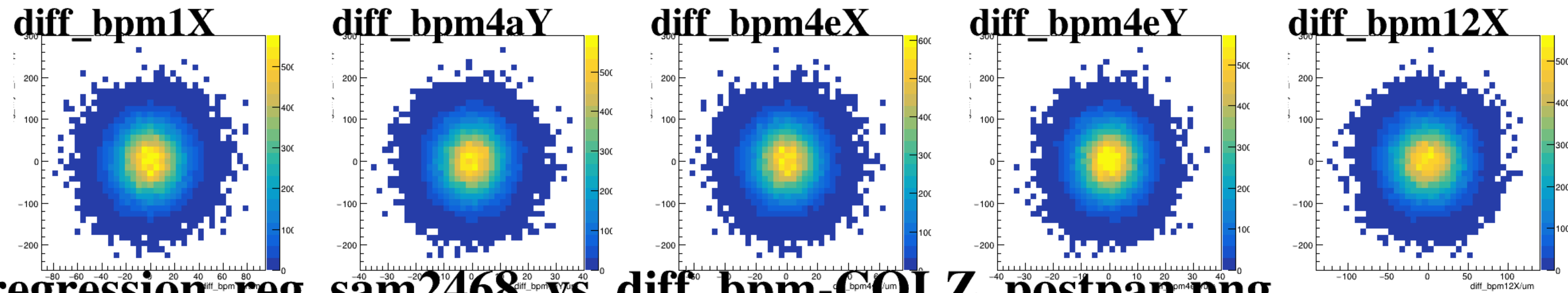
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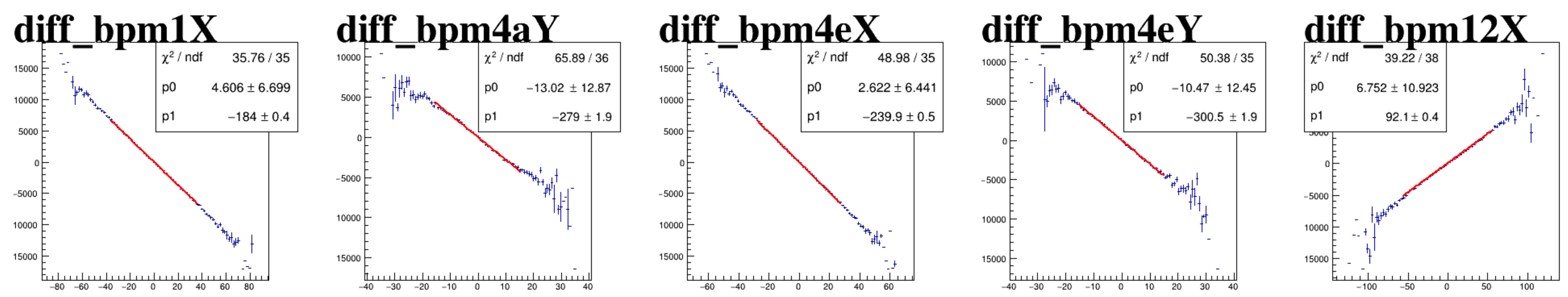
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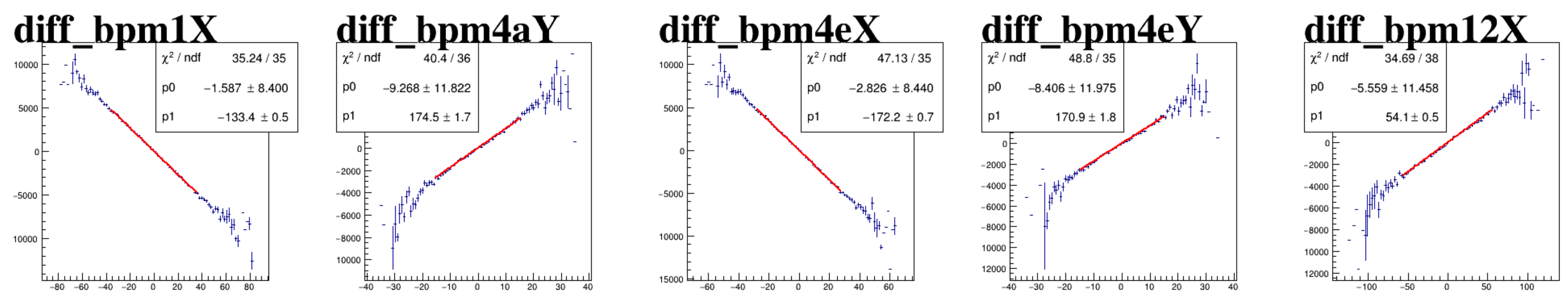
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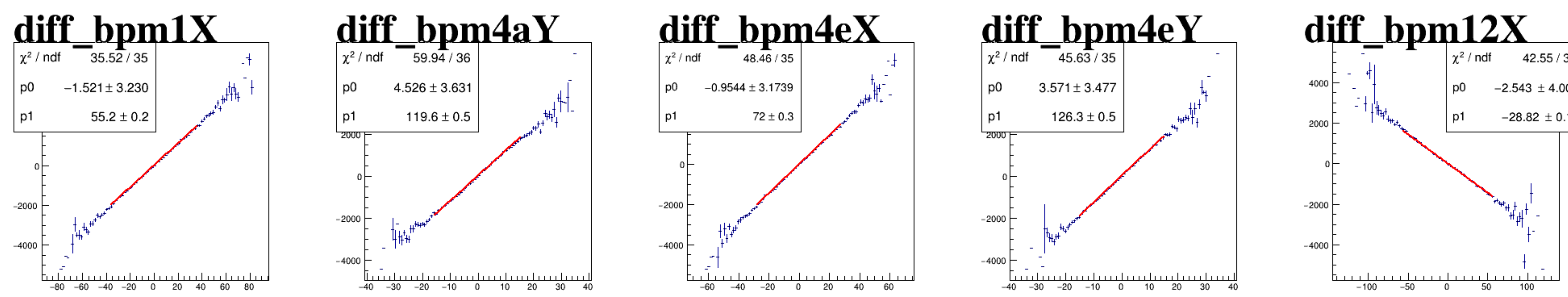
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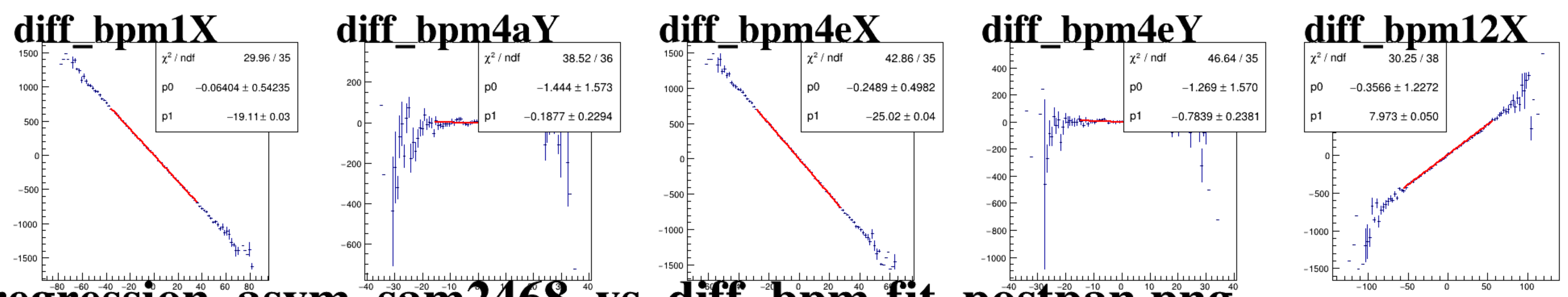
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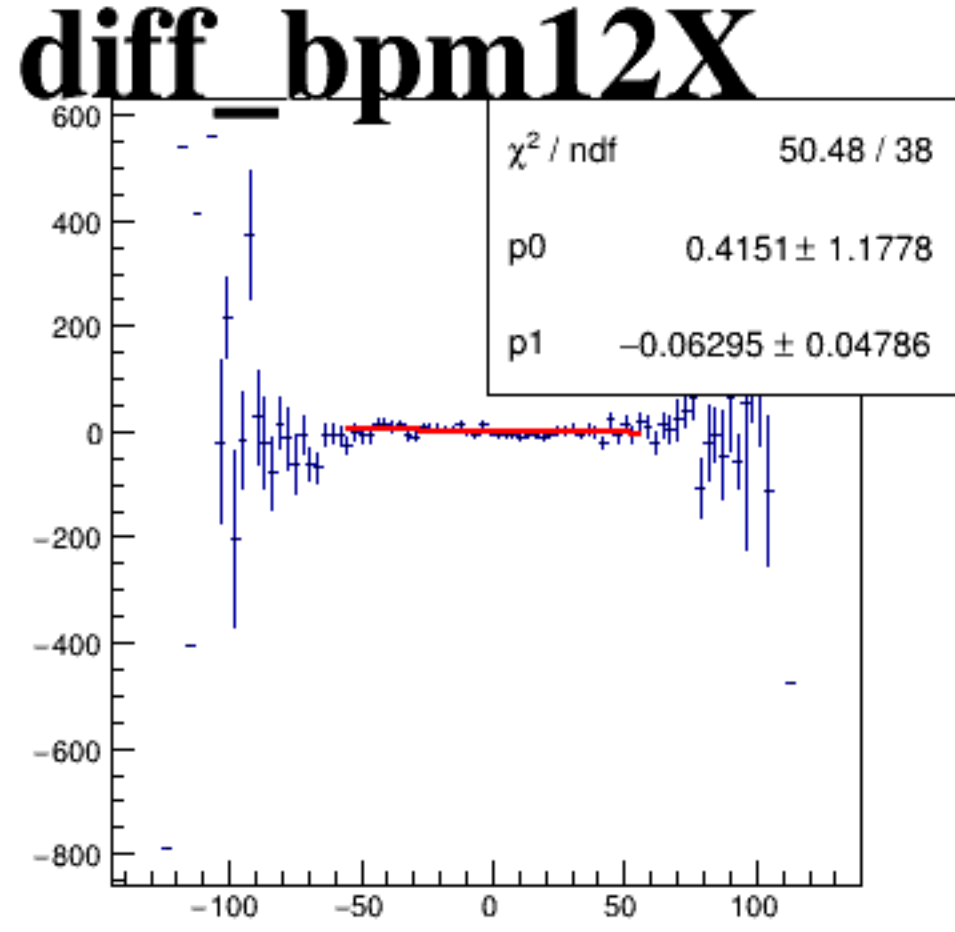
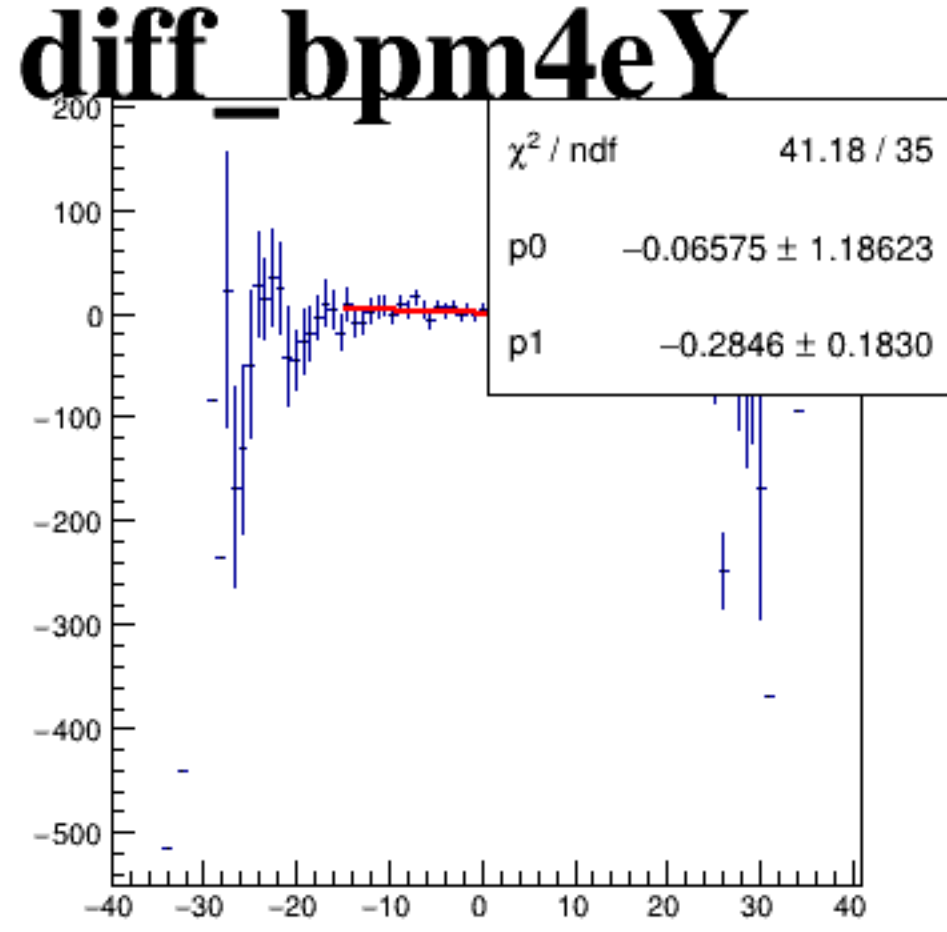
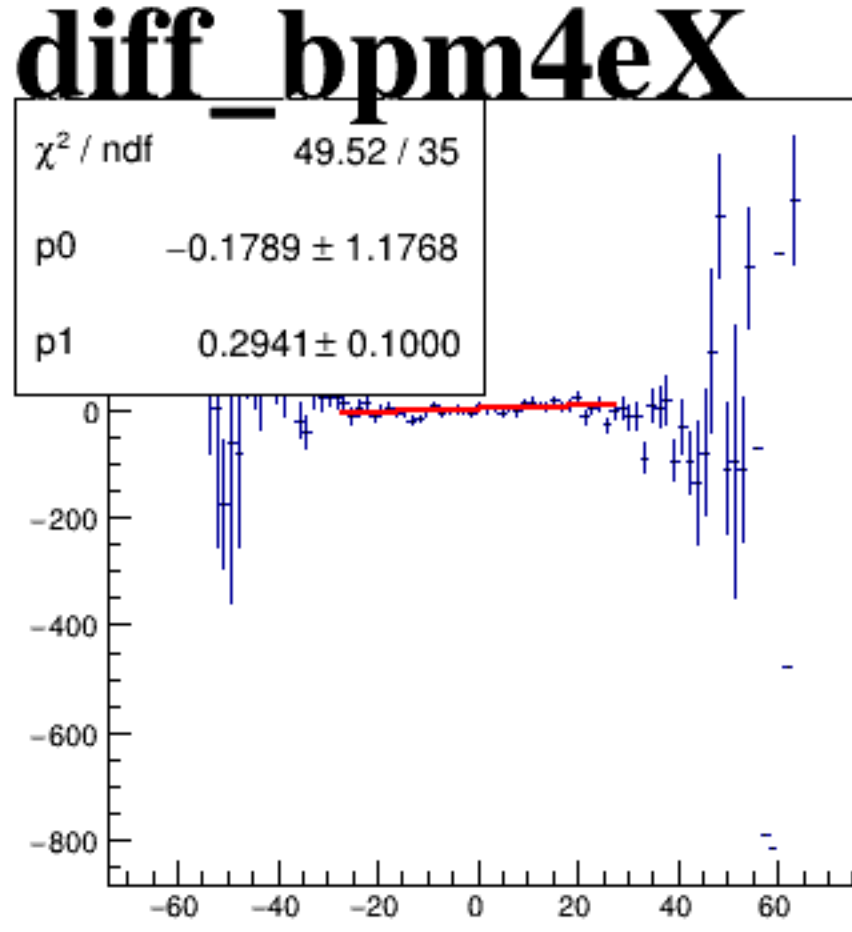
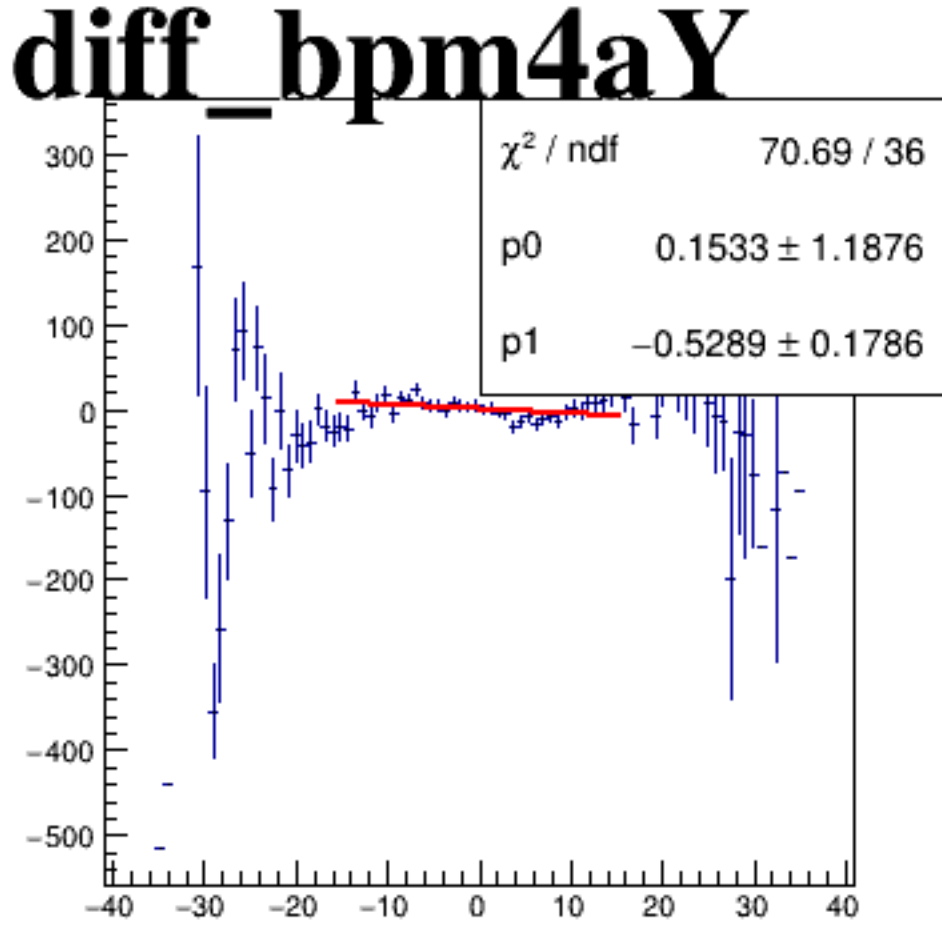
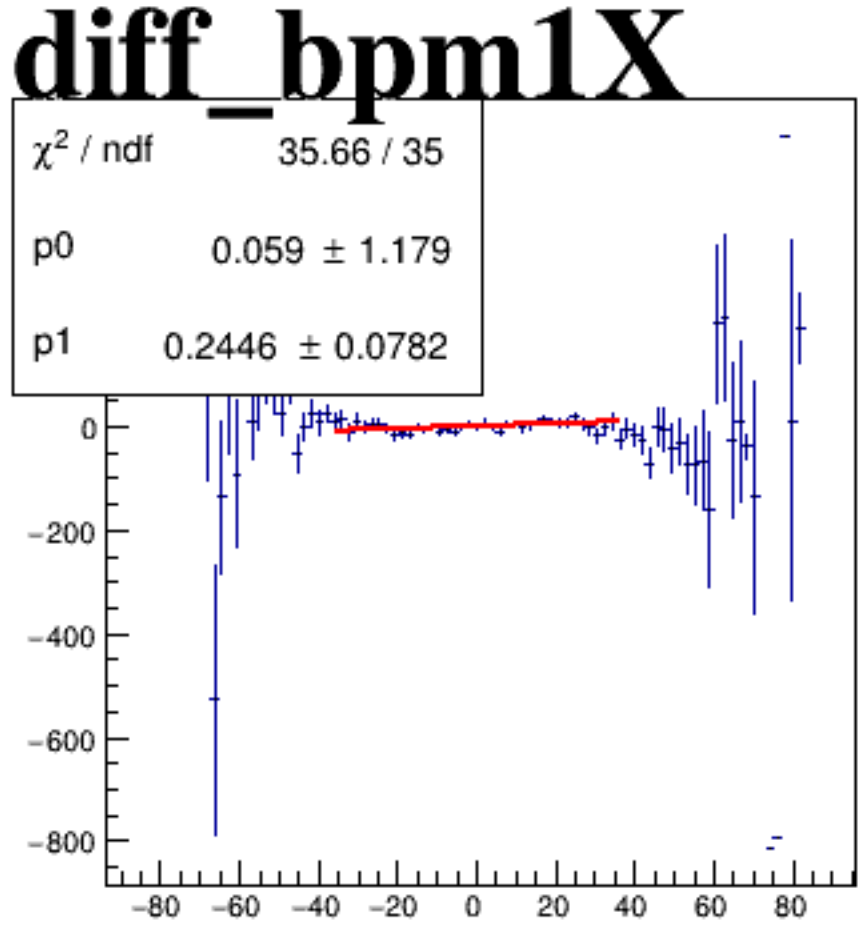
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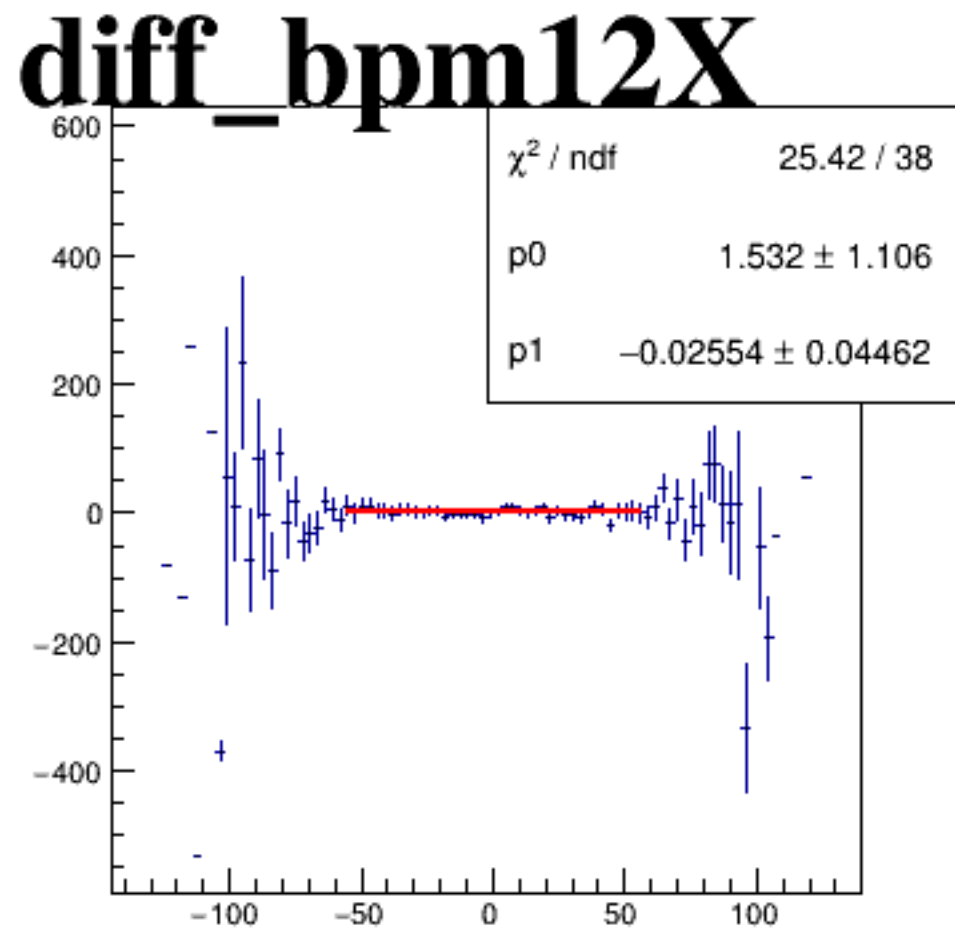
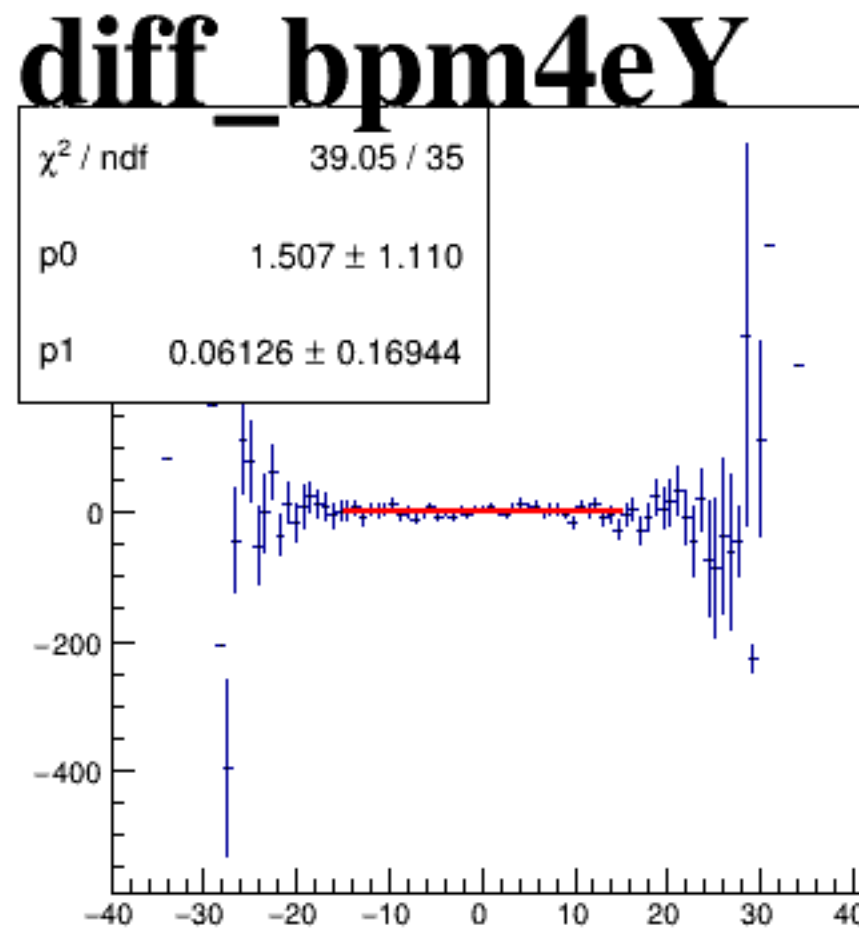
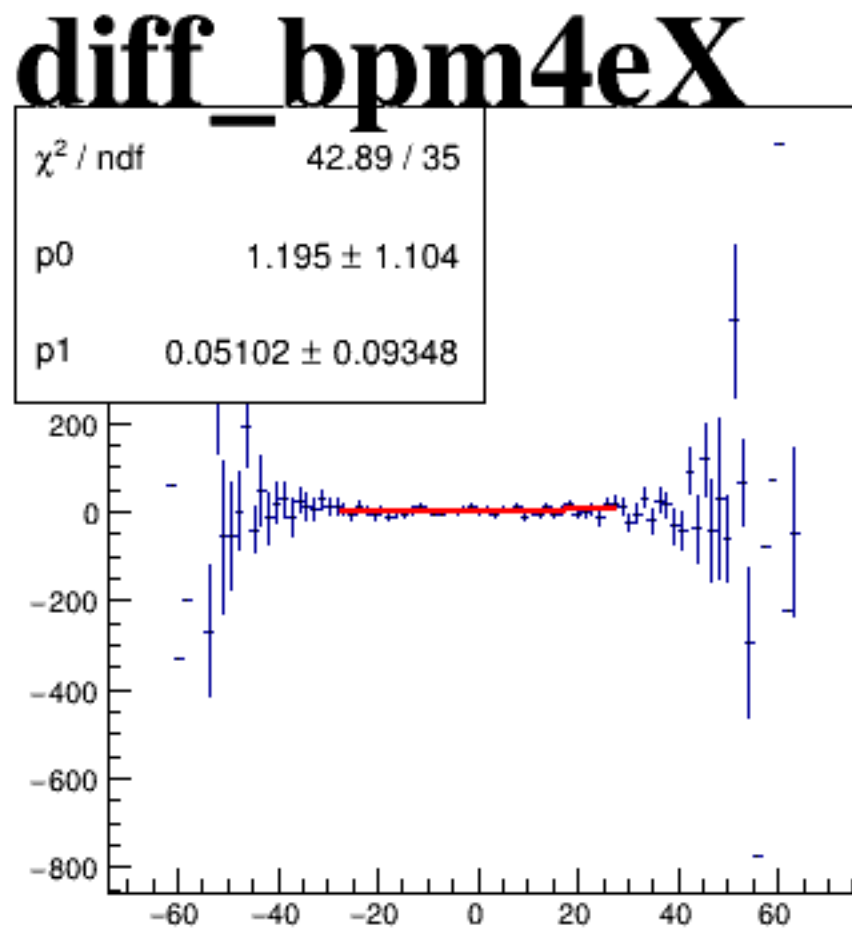
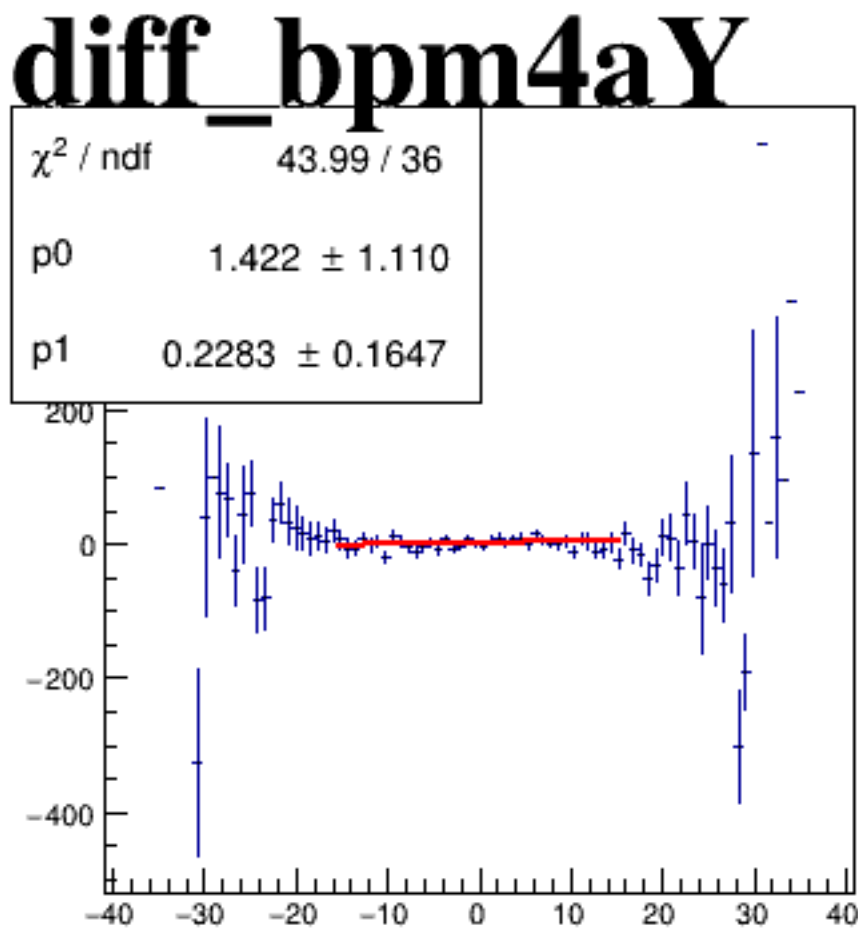
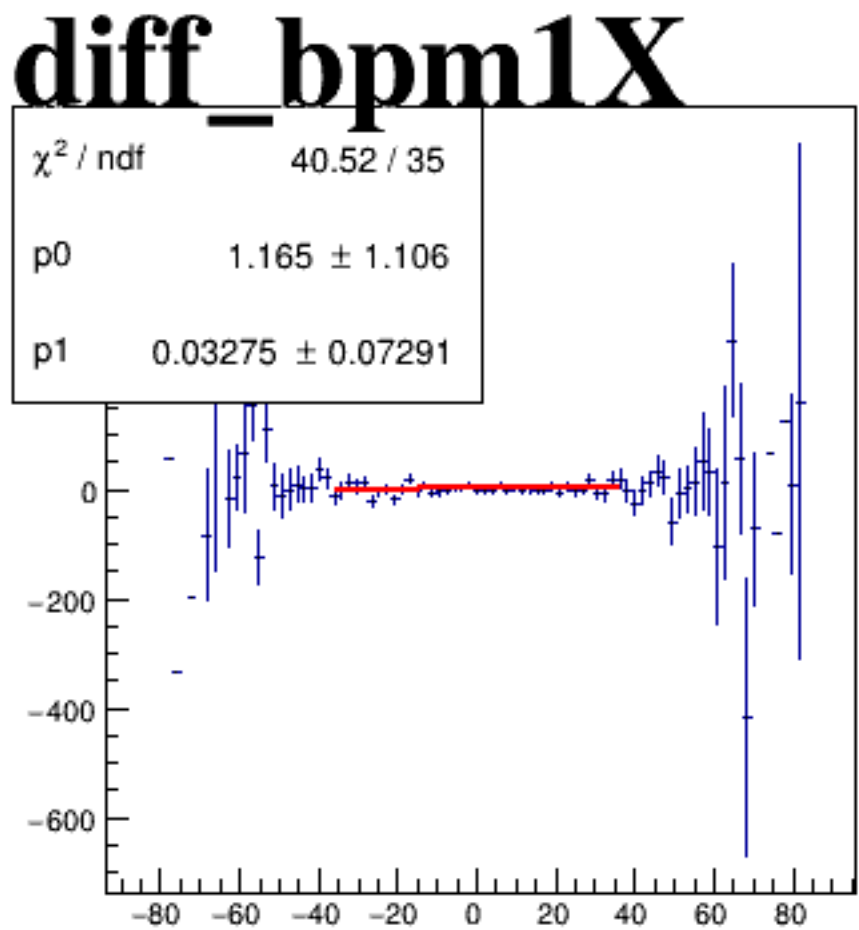
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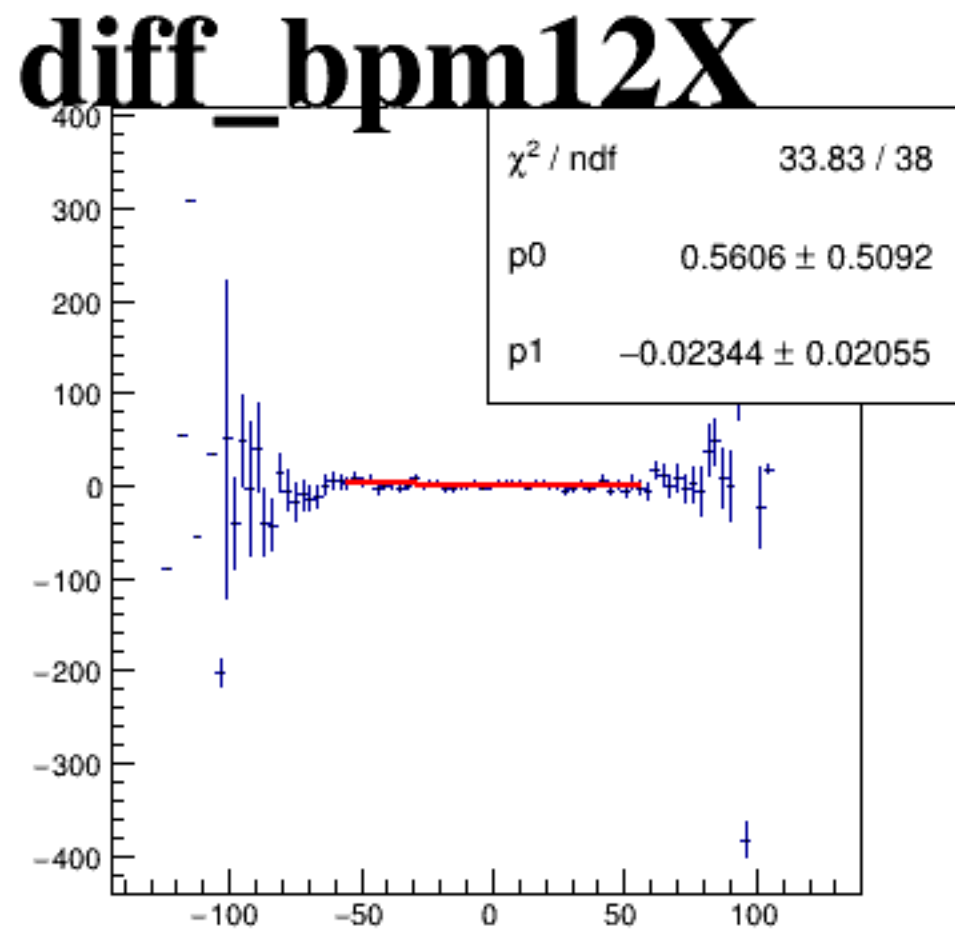
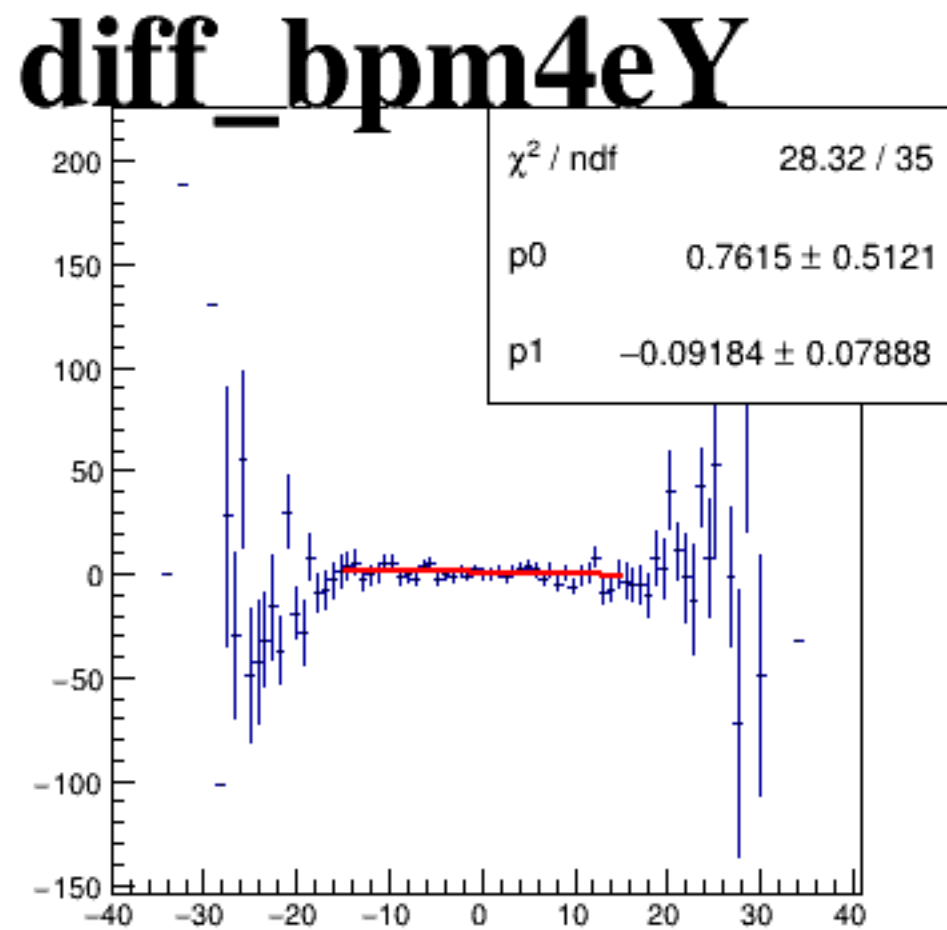
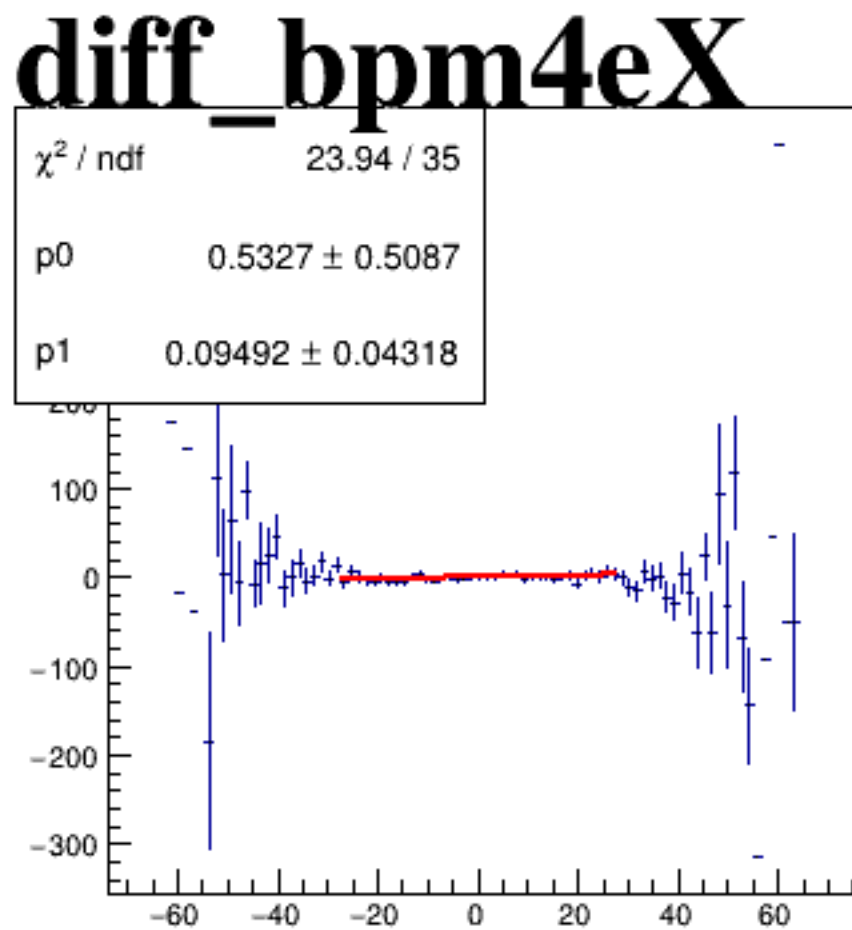
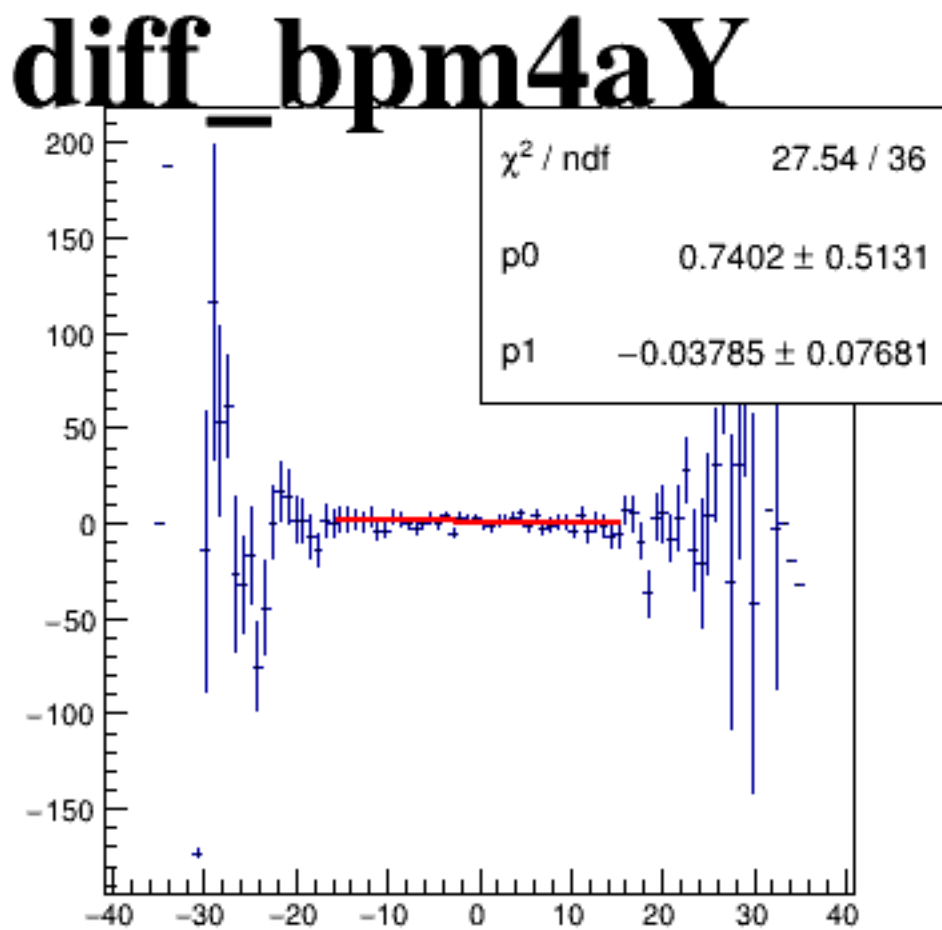
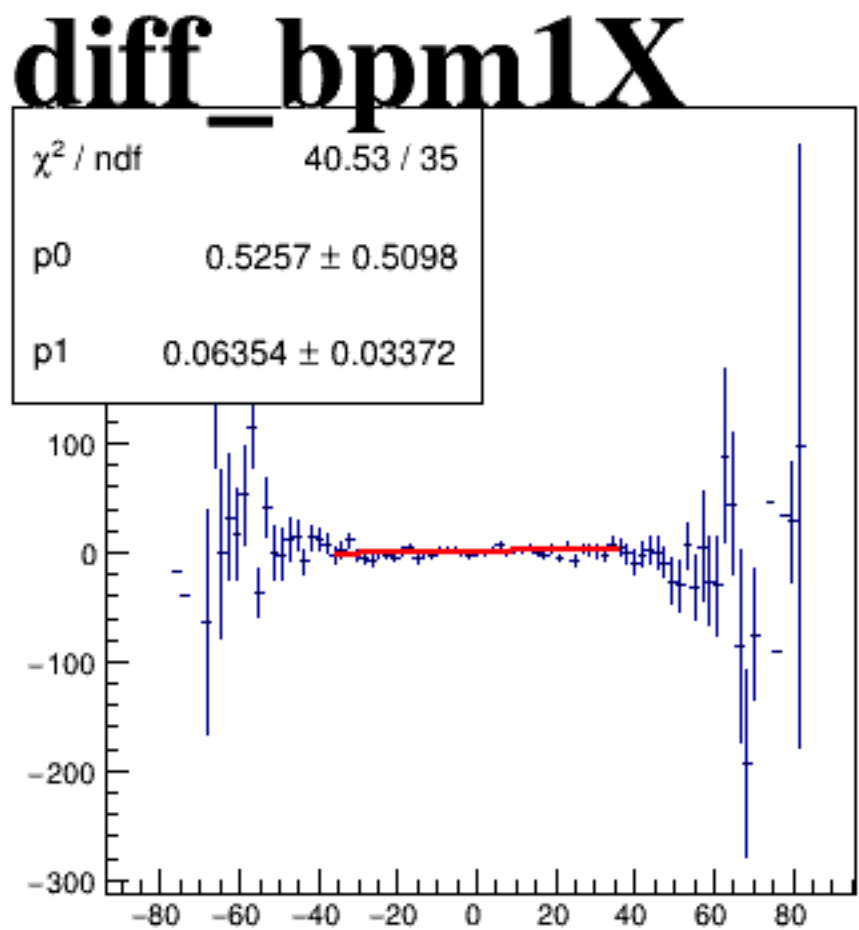
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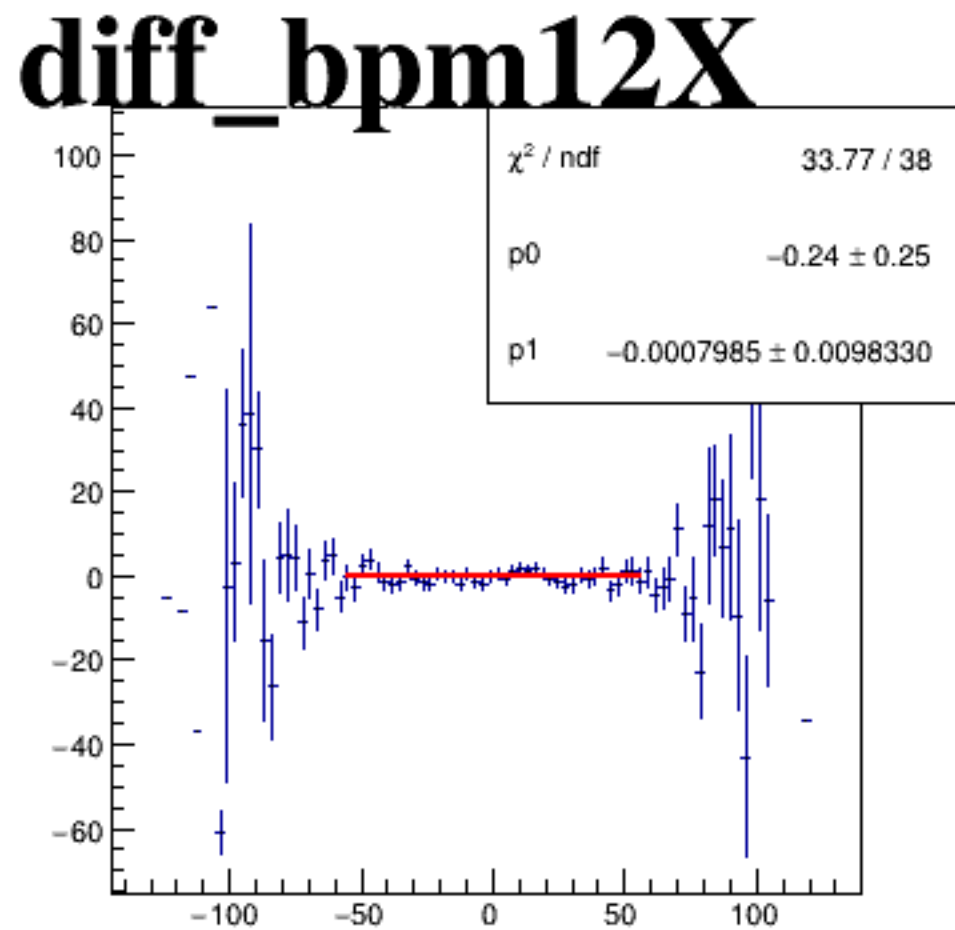
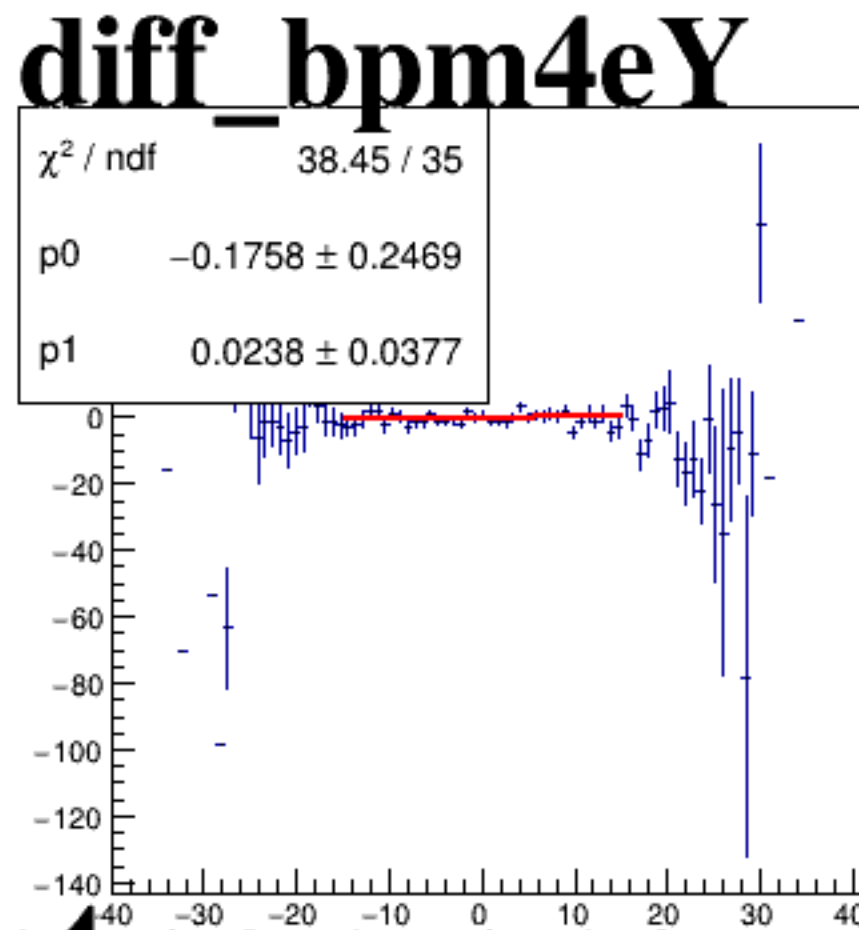
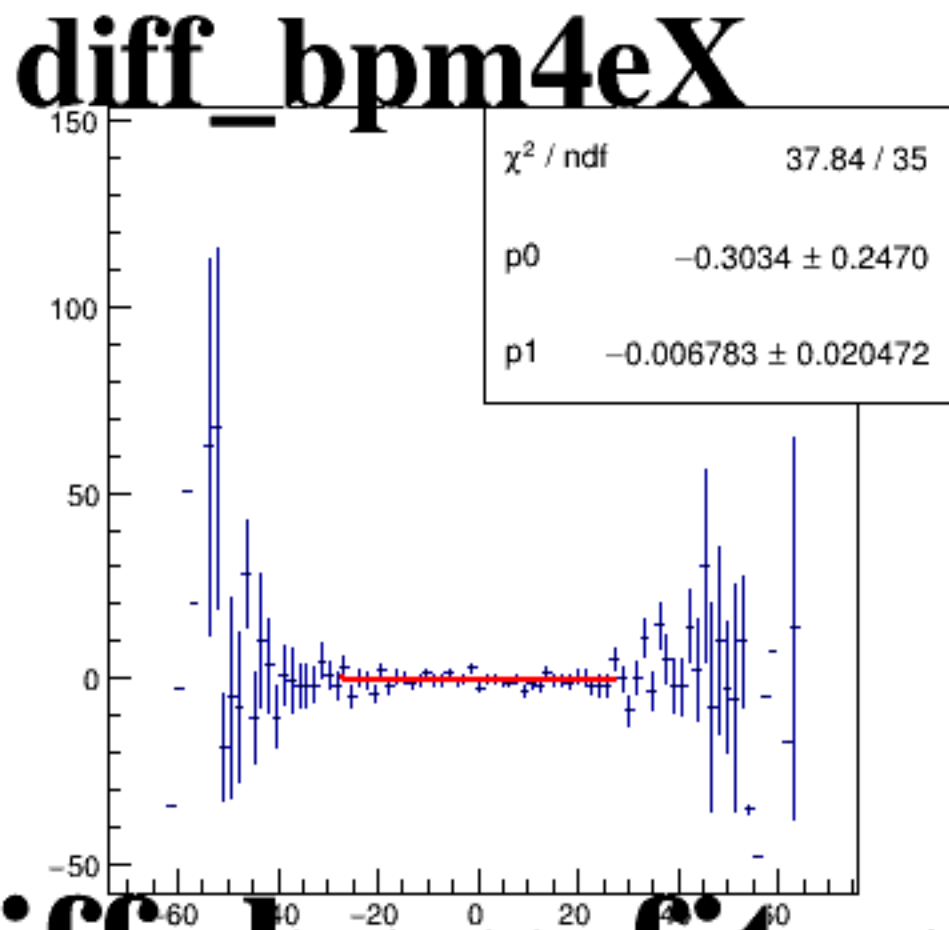
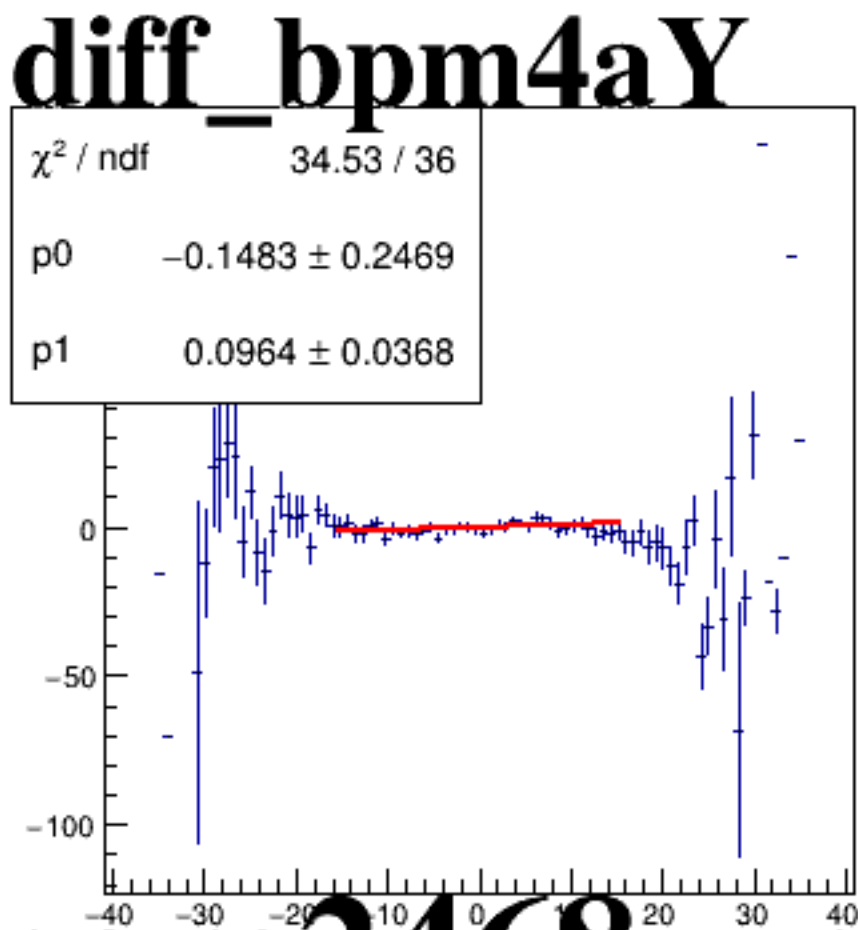
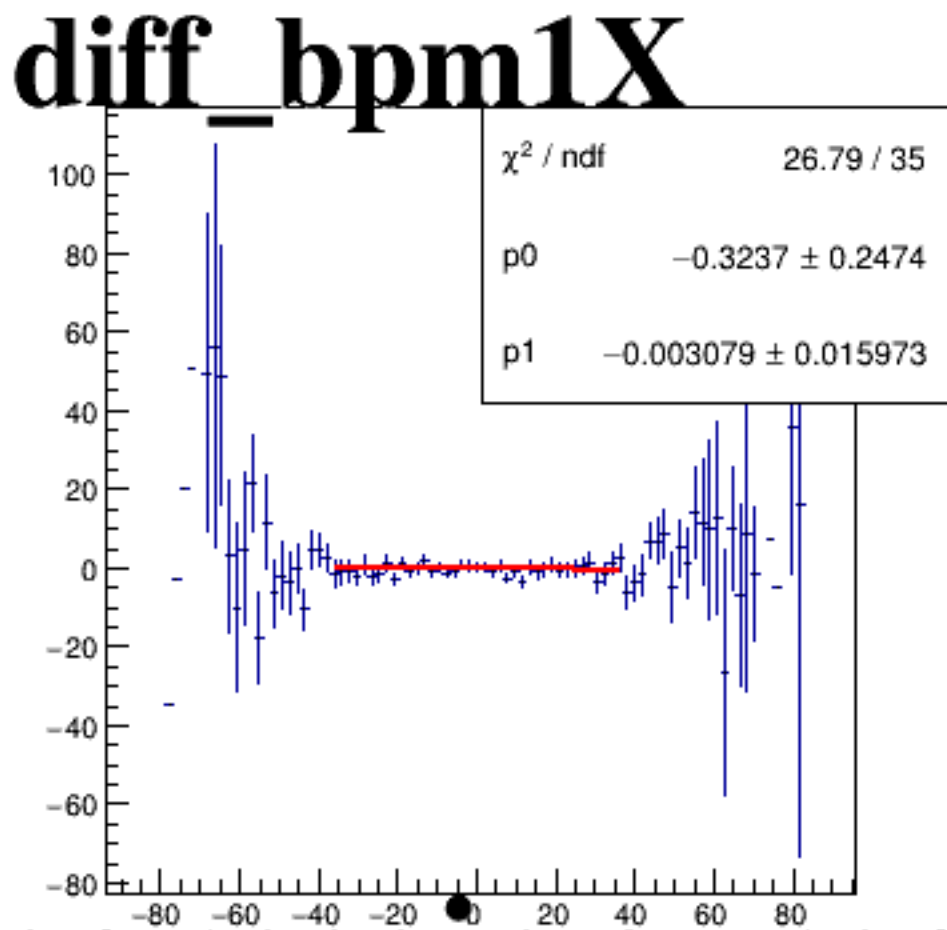
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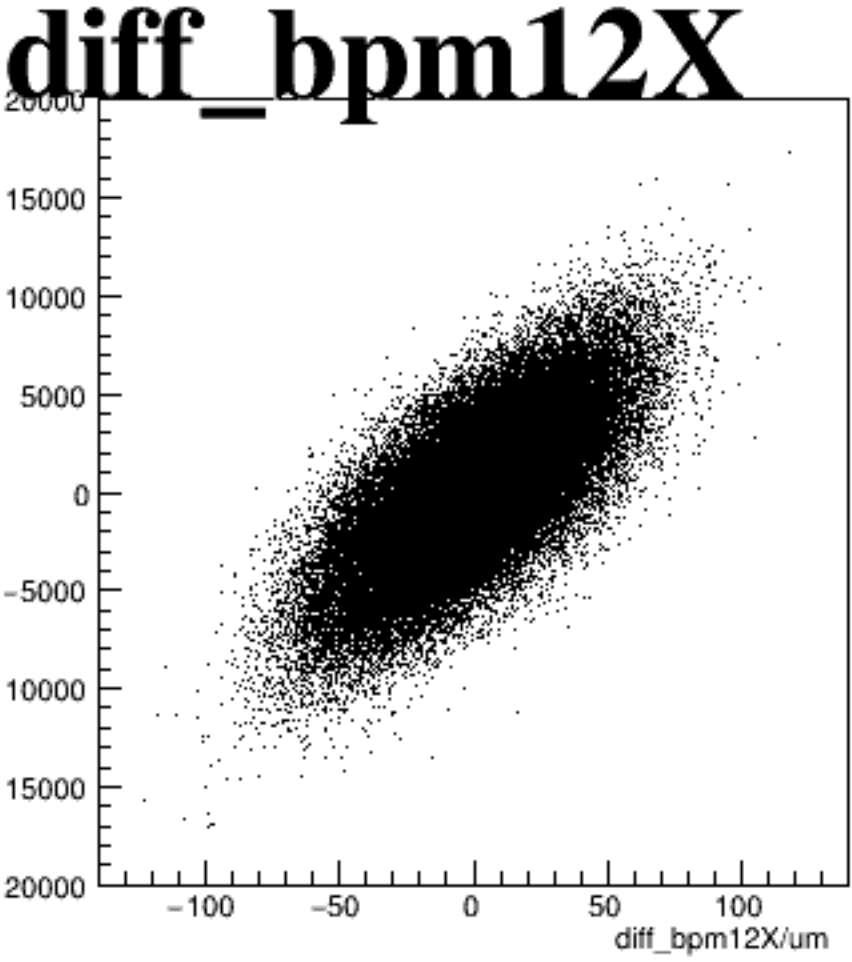
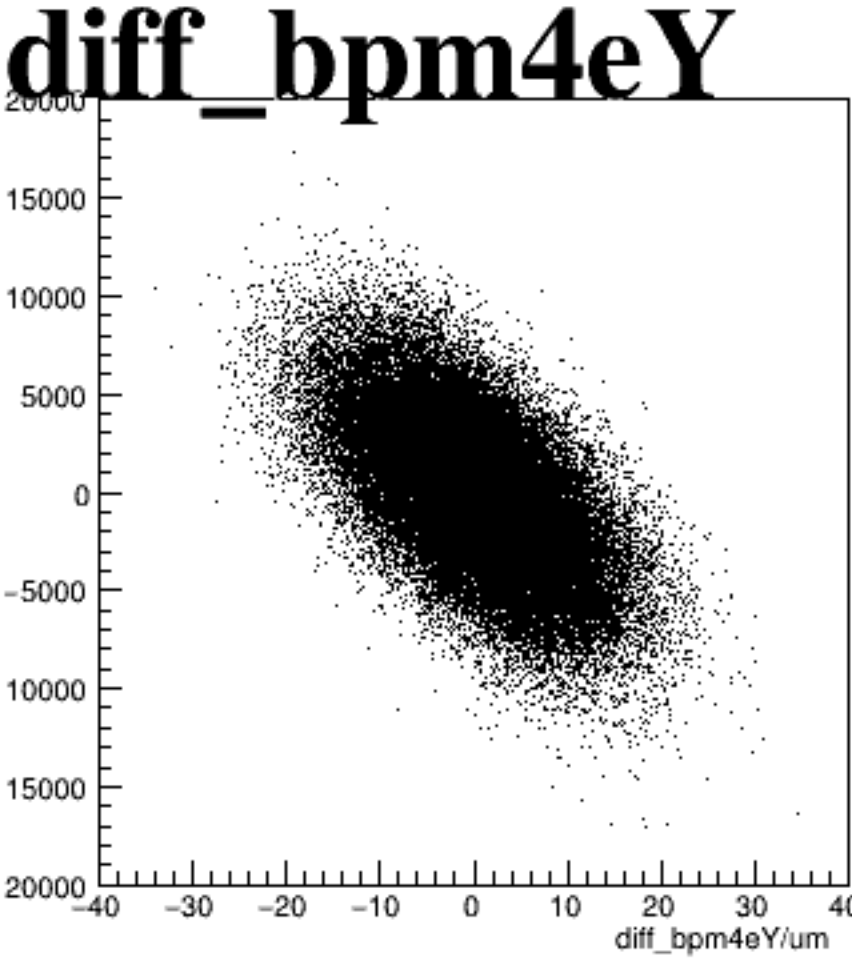
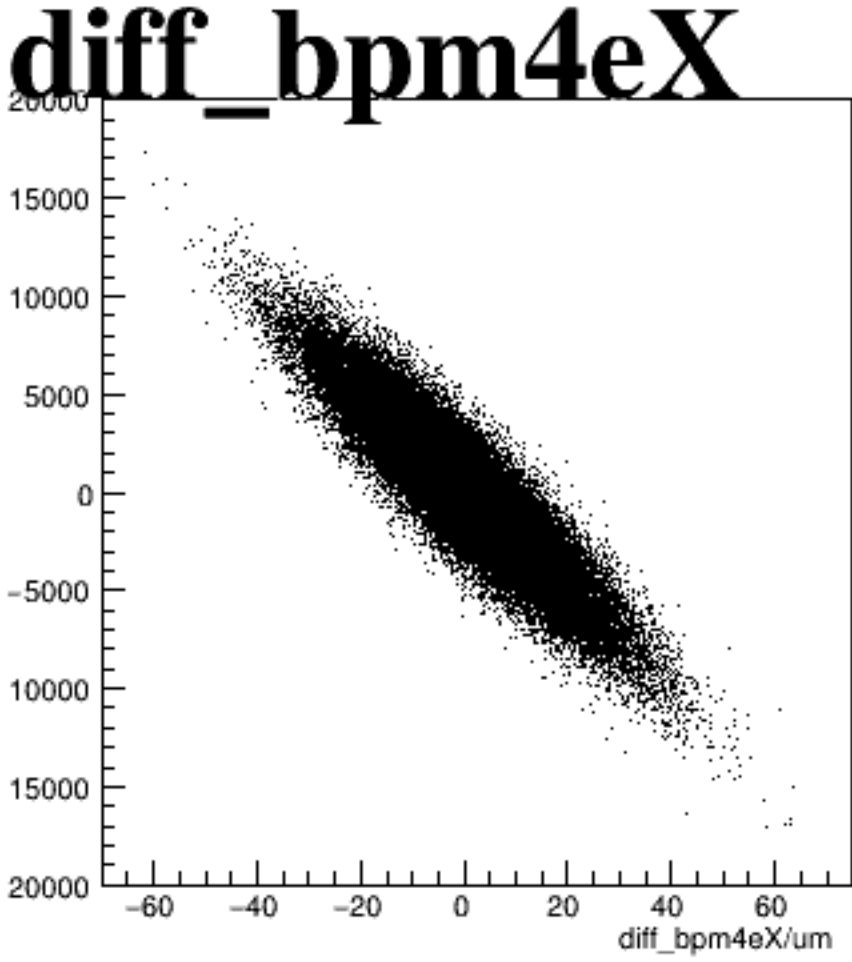
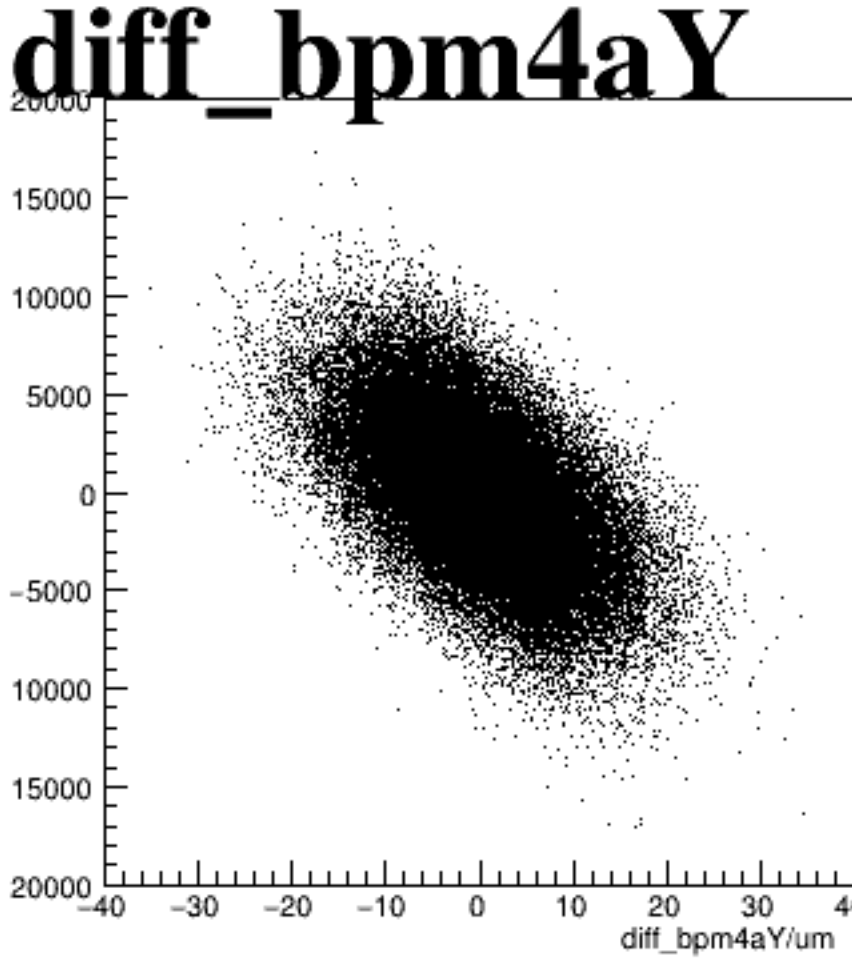
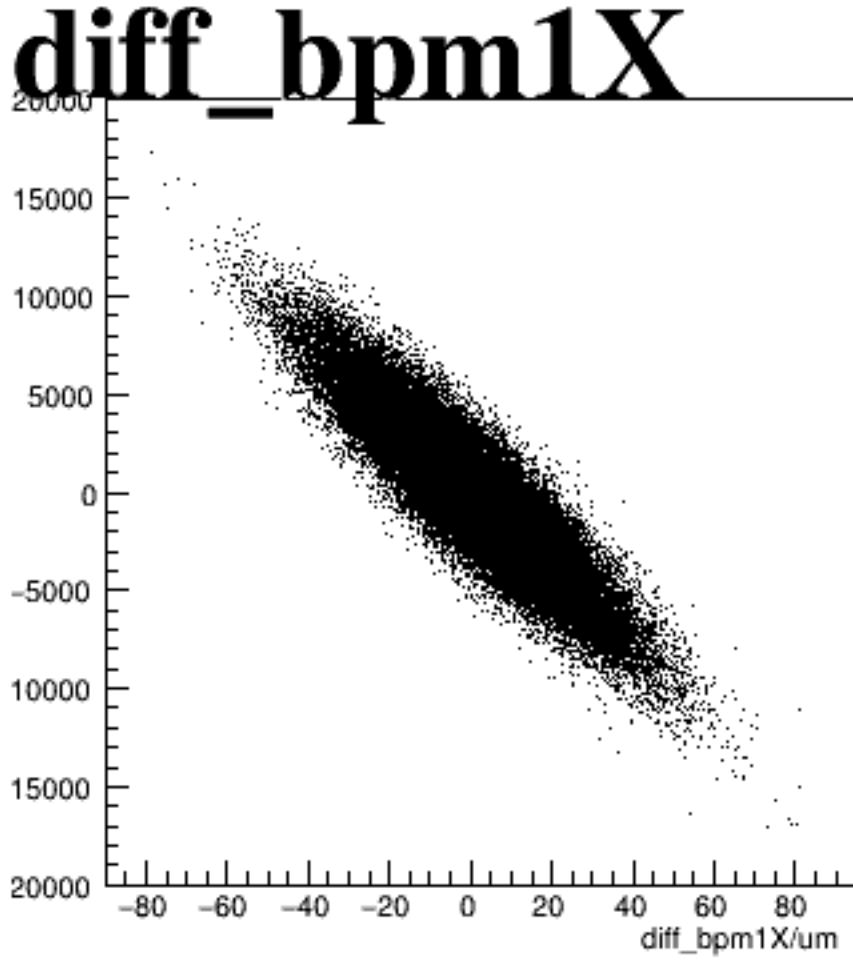
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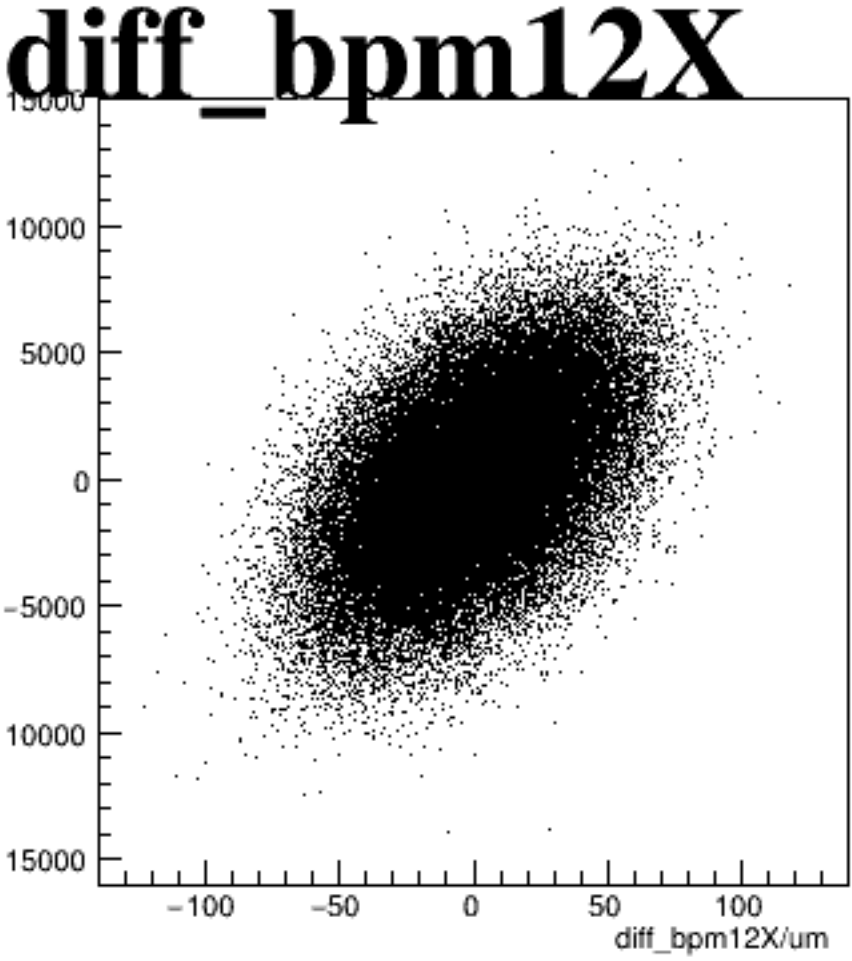
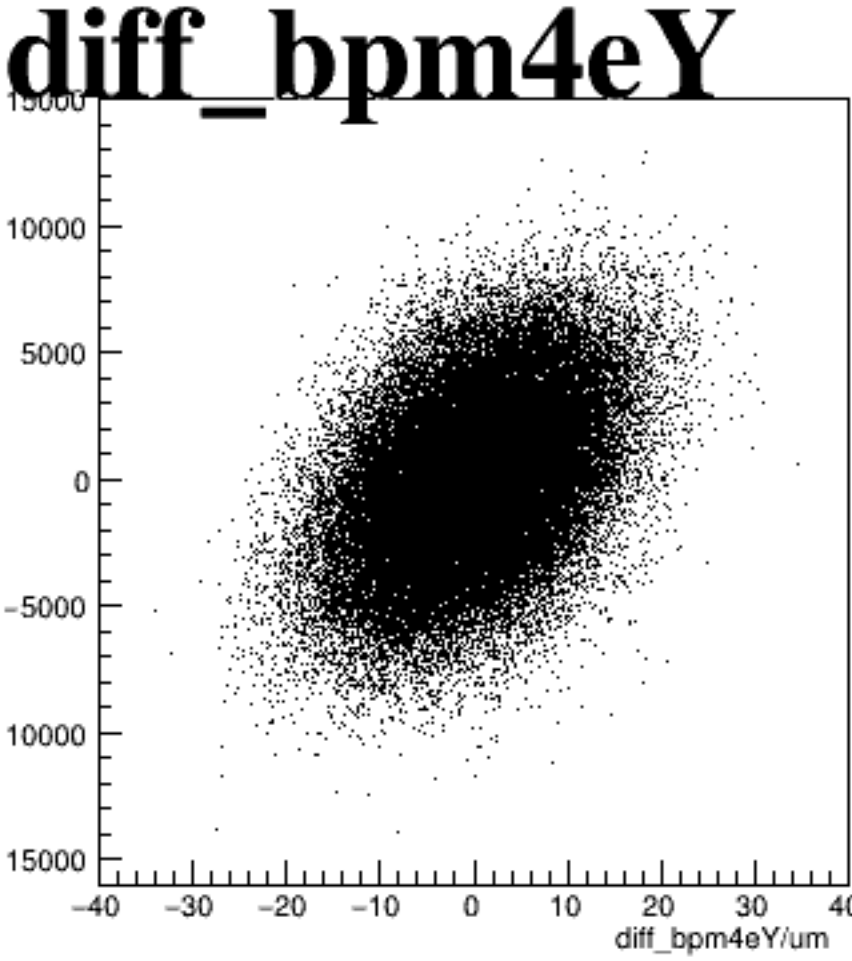
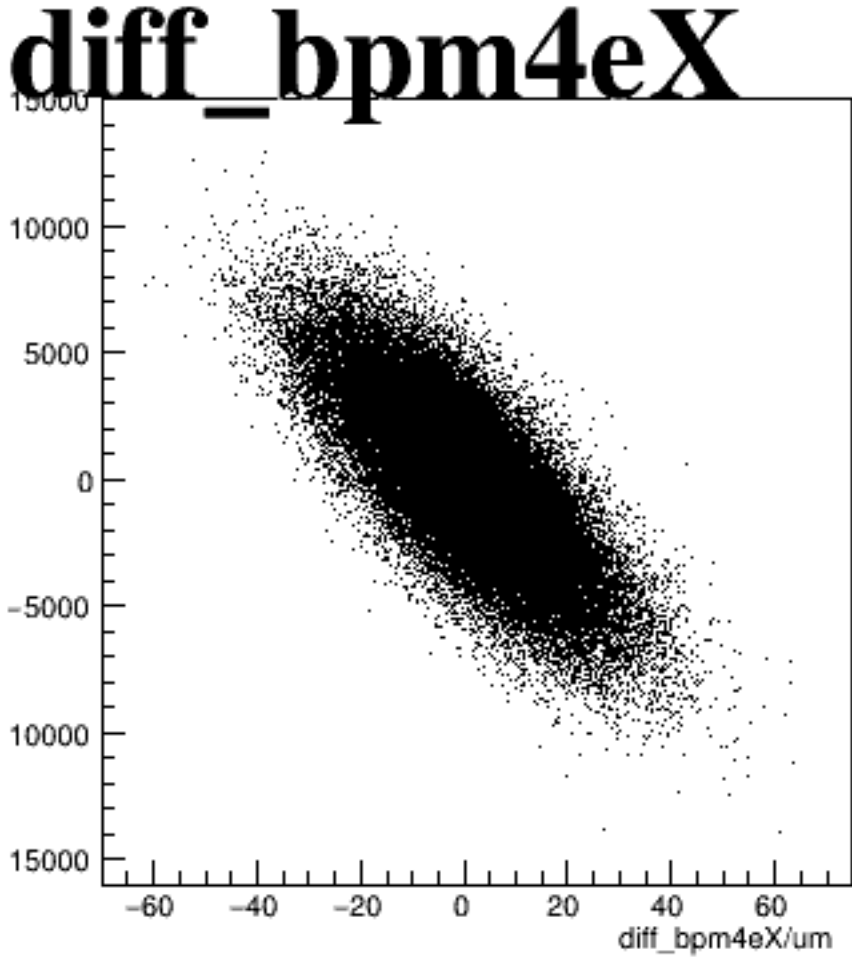
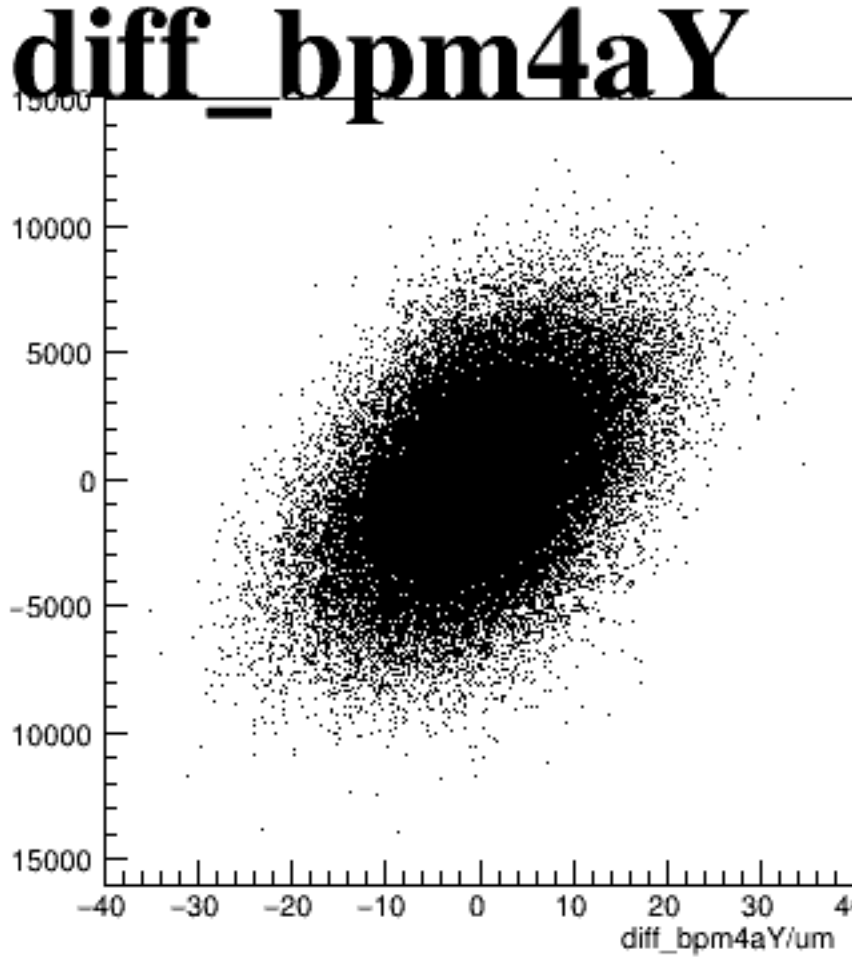
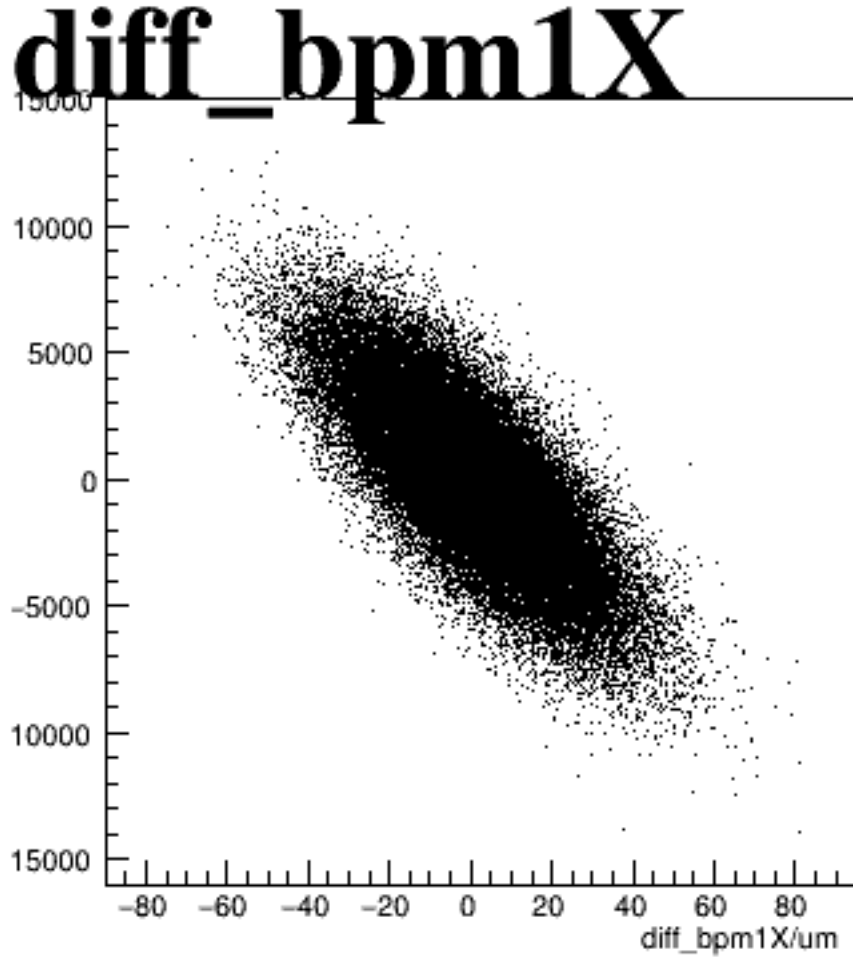
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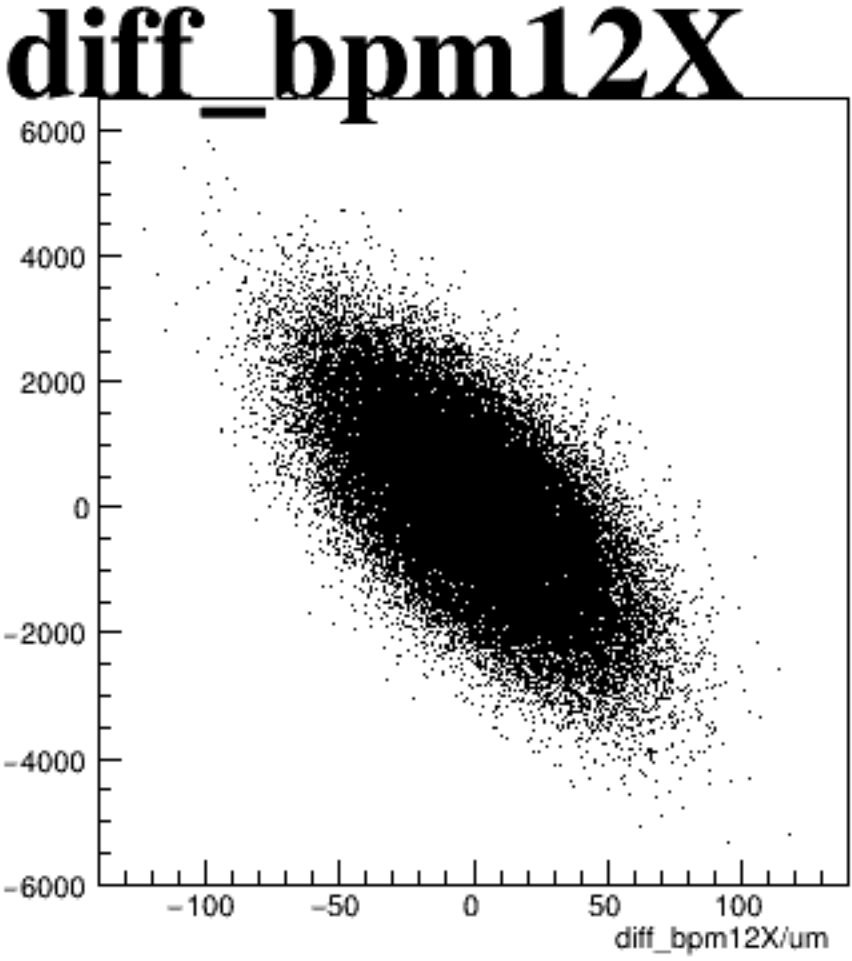
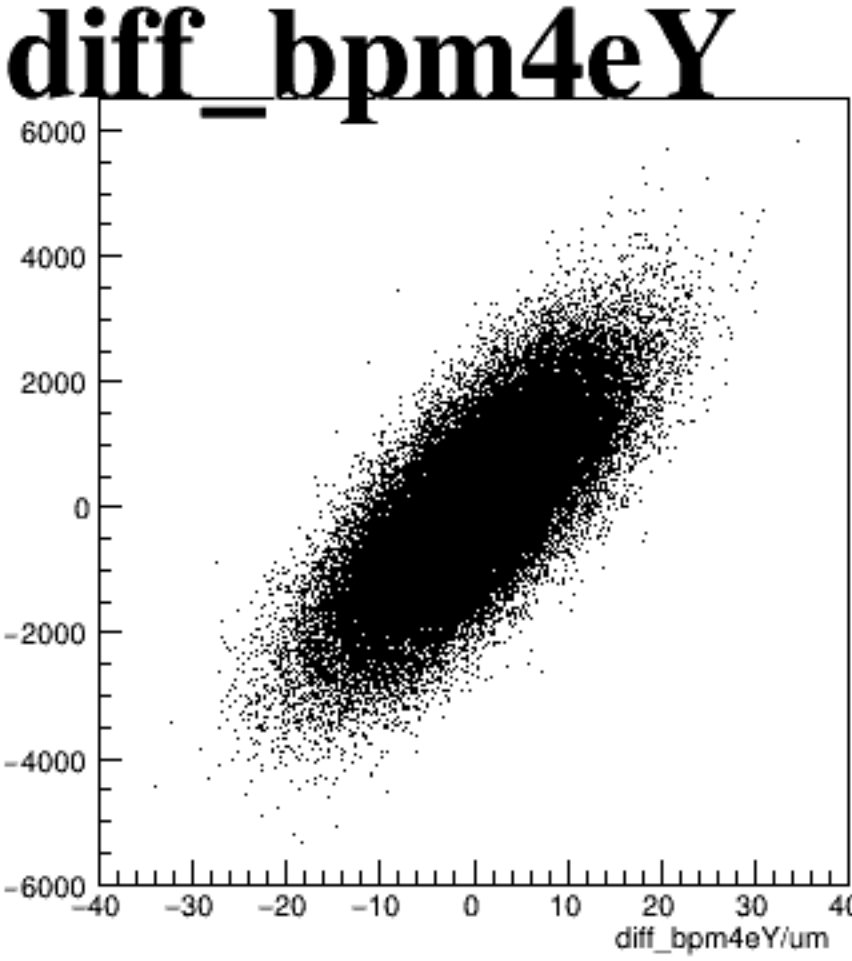
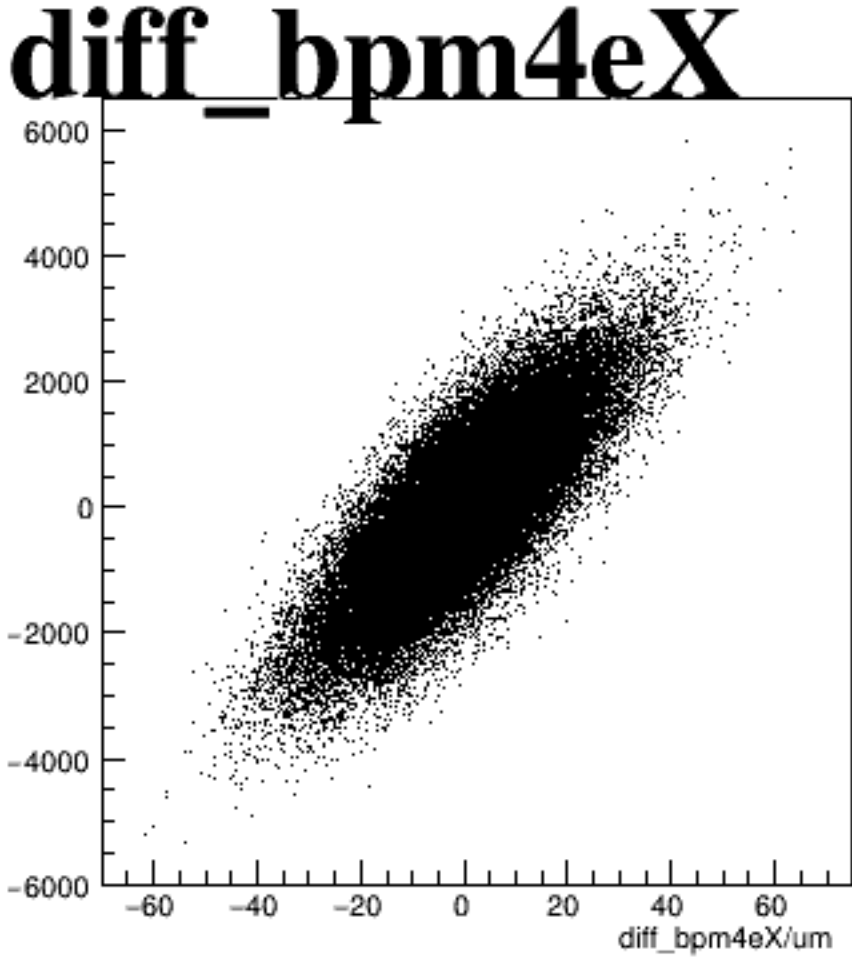
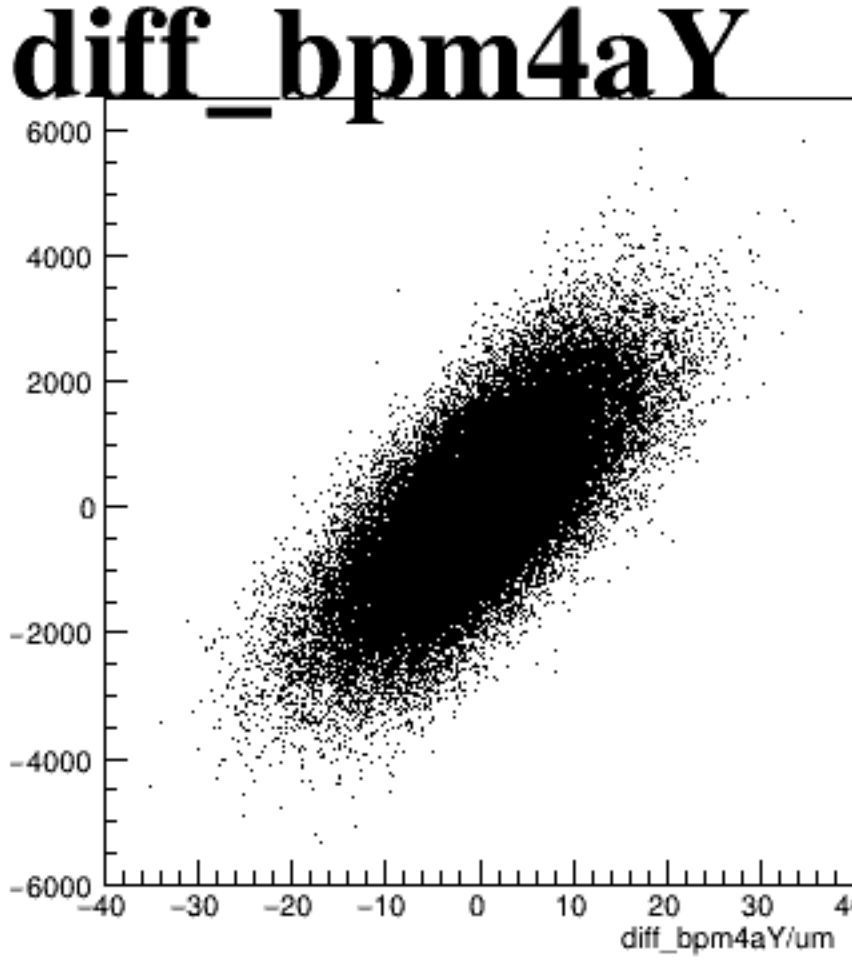
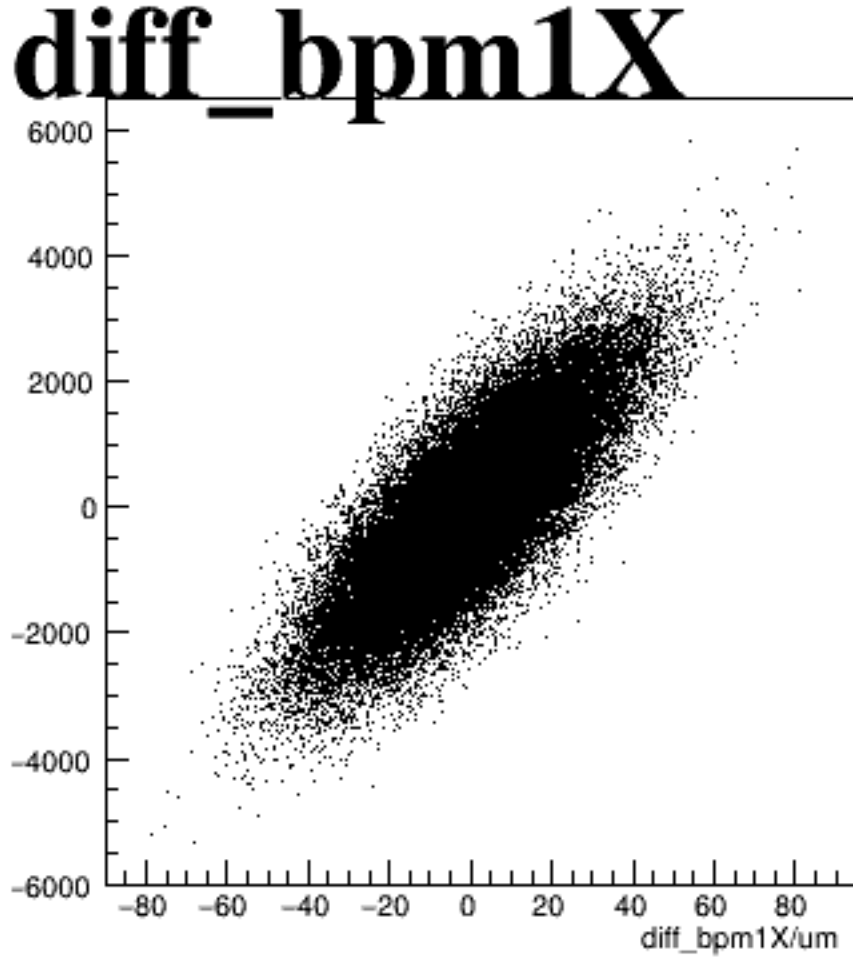
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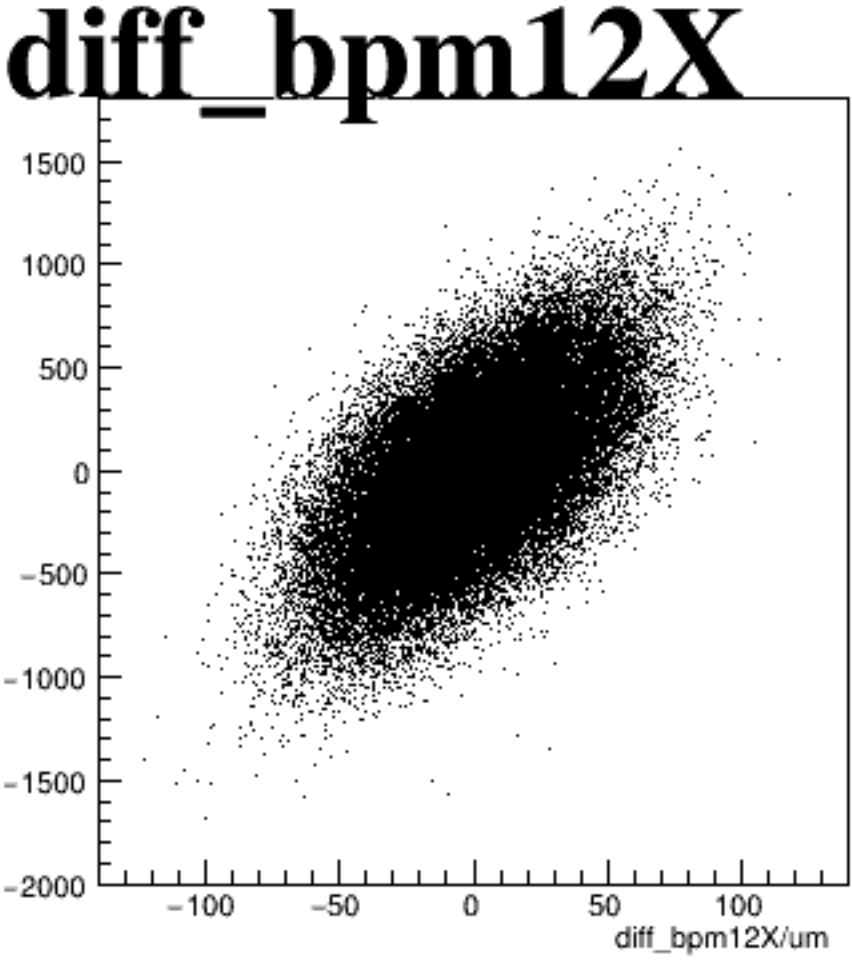
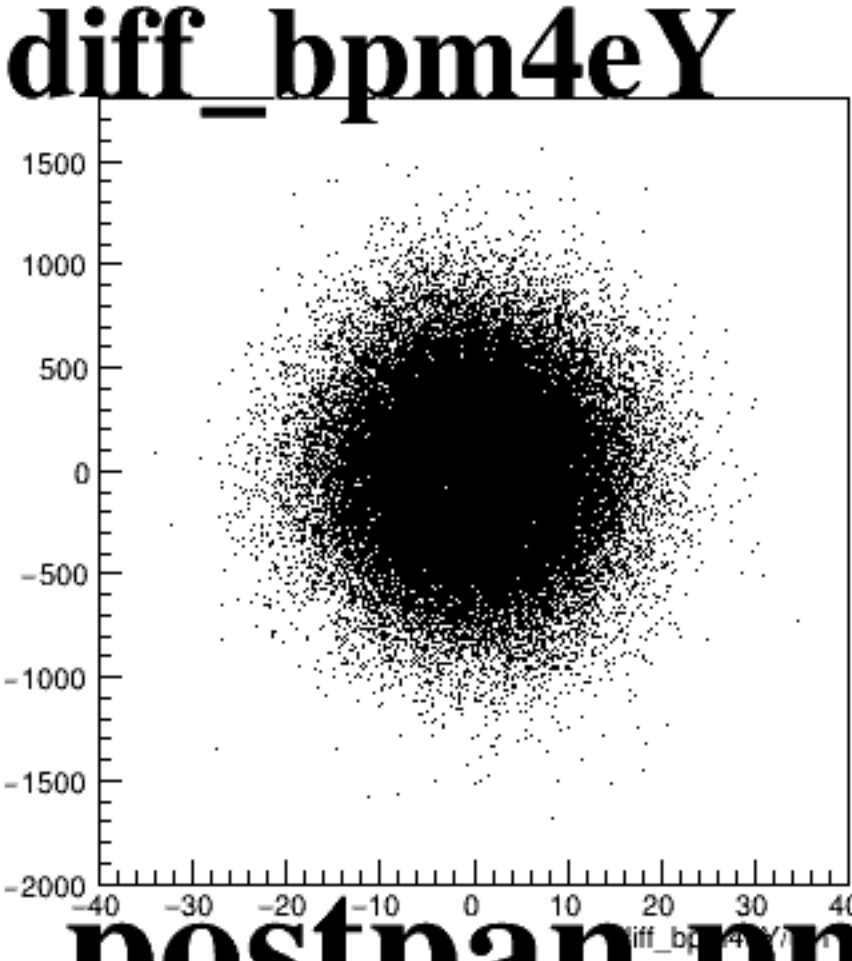
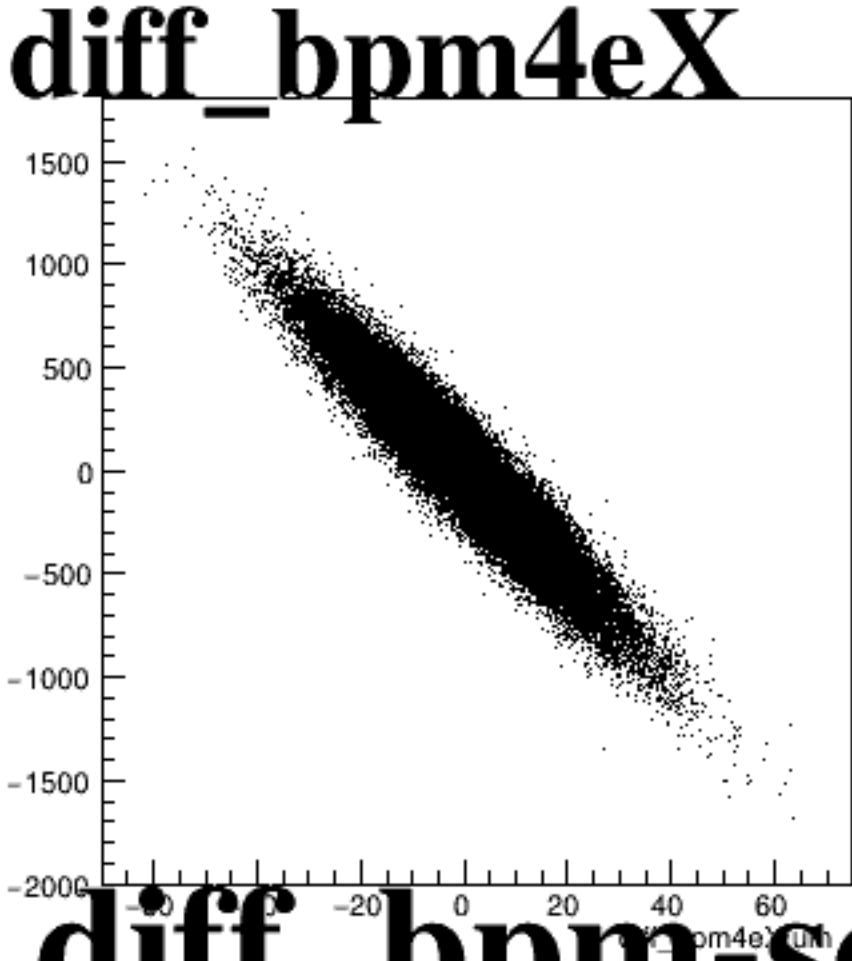
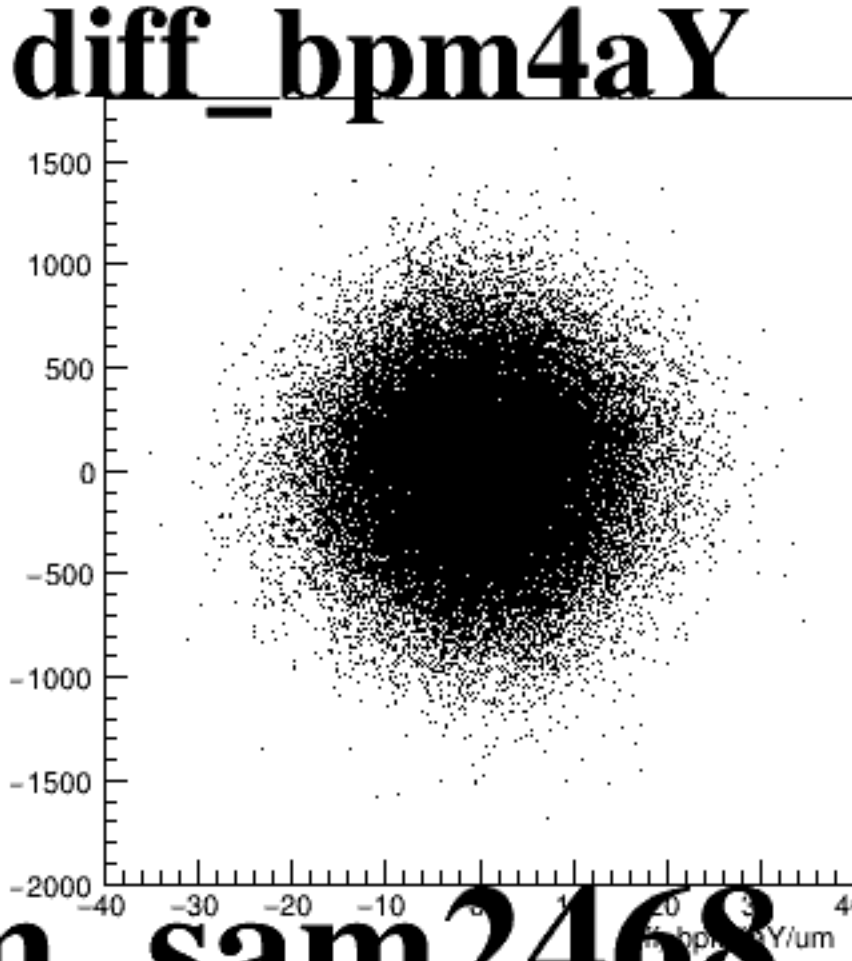
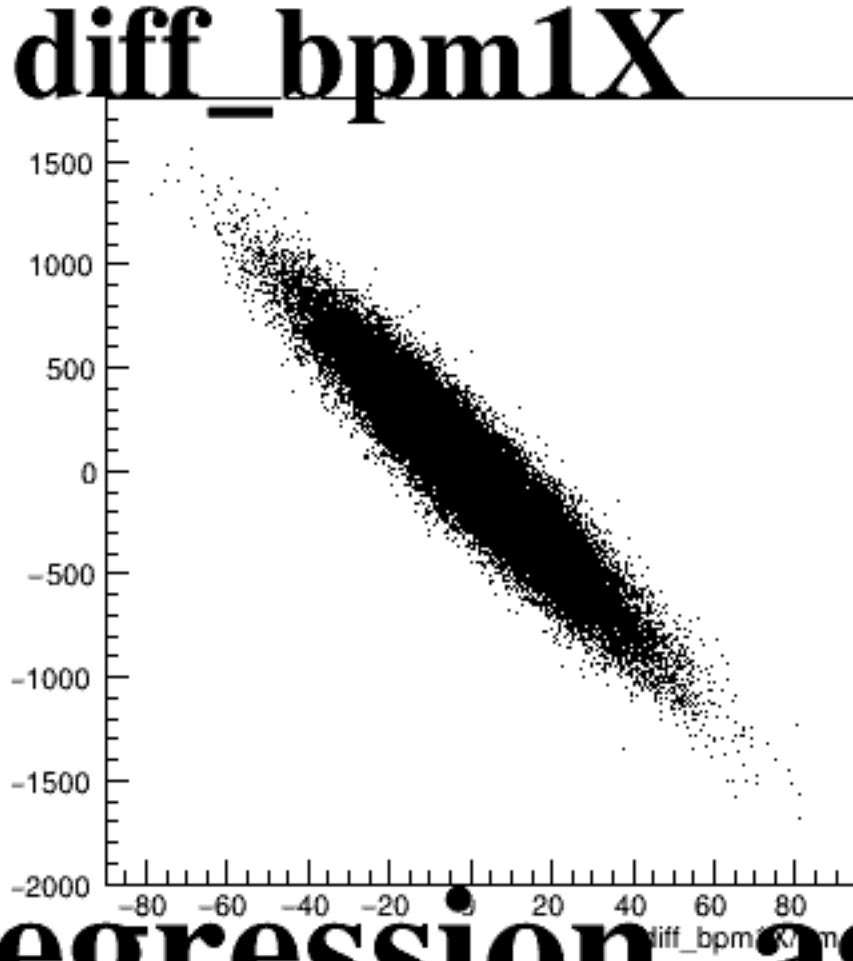
asym_sam4



asym_sam6



asym_sam8



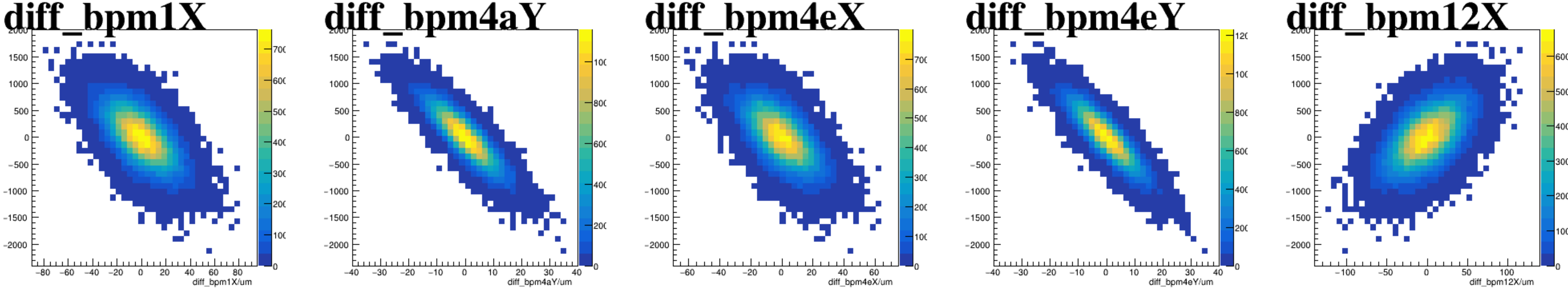
The figure consists of five scatter plots arranged horizontally, each showing the difference in BPM coordinates for different beam sizes. The plots are titled as follows:

- diff_bpm1X**: The x-axis is labeled $\text{diff_bpm1X}/\mu\text{m}$ and ranges from -80 to 80. The y-axis ranges from -1000 to 1500.
- diff_bpm4aY**: The x-axis is labeled $\text{diff_bpm4aY}/\mu\text{m}$ and ranges from -40 to 40. The y-axis ranges from -1000 to 1500.
- diff_bpm4eX**: The x-axis is labeled $\text{diff_bpm4eX}/\mu\text{m}$ and ranges from -60 to 60. The y-axis ranges from -1000 to 1500.
- diff_bpm4eY**: The x-axis is labeled $\text{diff_bpm4eY}/\mu\text{m}$ and ranges from -40 to 40. The y-axis ranges from -1000 to 1500.
- diff_bpm12X**: The x-axis is labeled $\text{diff_bpm12X}/\mu\text{m}$ and ranges from -100 to 100. The y-axis ranges from -1000 to 1500.

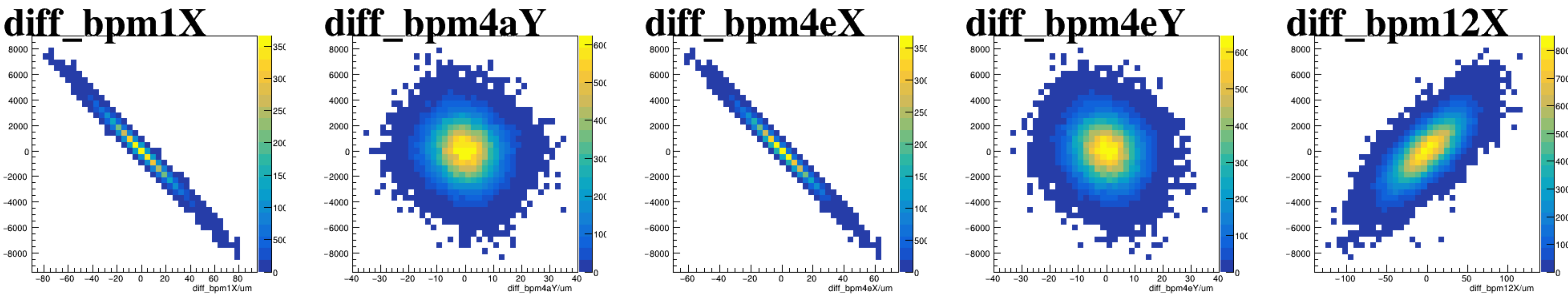
All plots show a dense, roughly circular distribution of points centered at (0,0), indicating that the difference in BPM coordinates is small and centered around zero for all beam sizes.

The figure consists of five scatter plots arranged horizontally, each showing the distribution of differences between BPM1 and another BPM (4a, 4e, 12) in X and Y coordinates. The plots are titled 'diff_bpm1X', 'diff_bpm4aY', 'diff_bpm4eX', 'diff_bpm4eY', and 'diff_bpm12X'. Each plot has a dense central cluster of points, indicating a high concentration of measurements near the origin. The axes are labeled with the difference in micrometers (um).

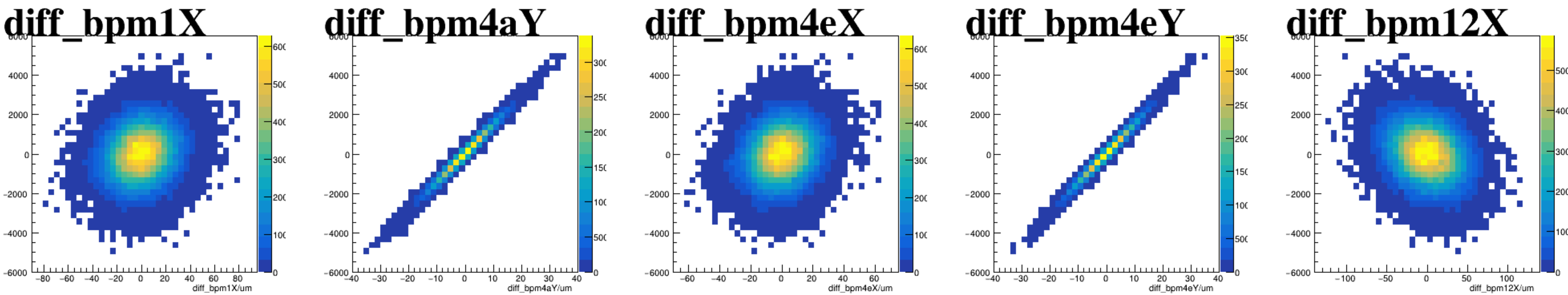
asym_sam1



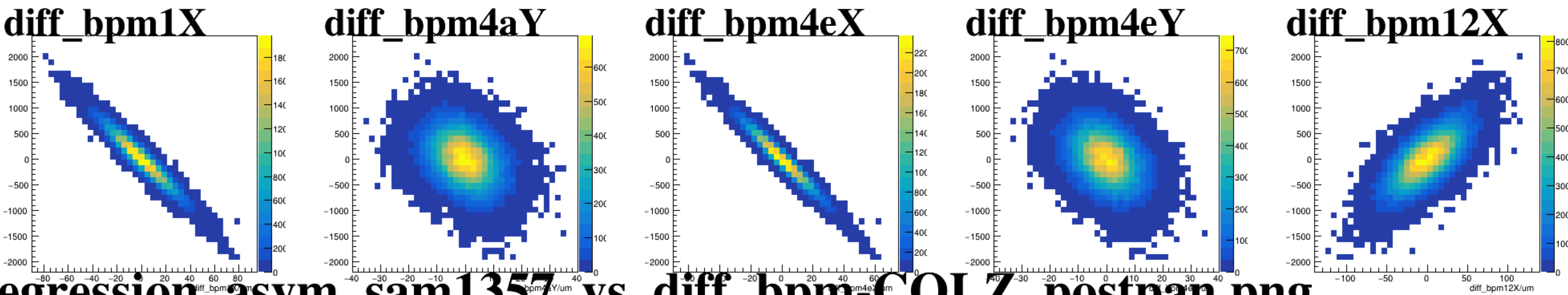
asym_sam3



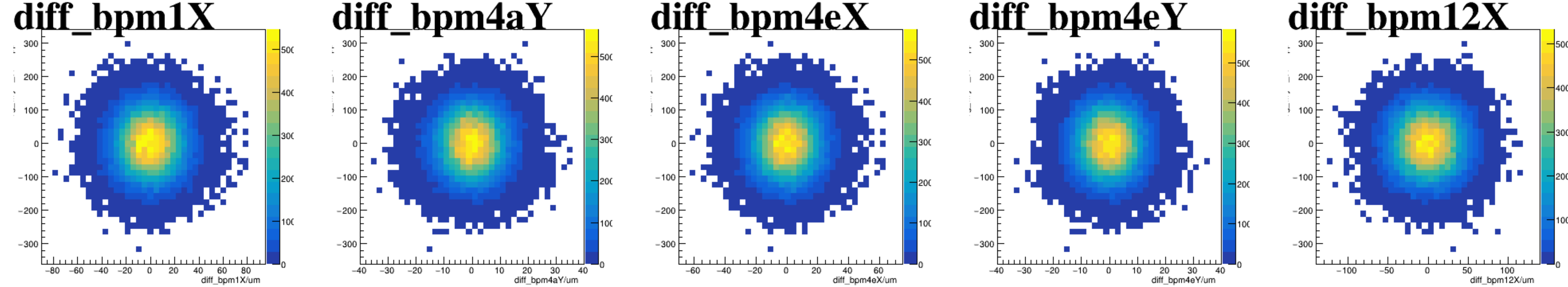
asym_sam5



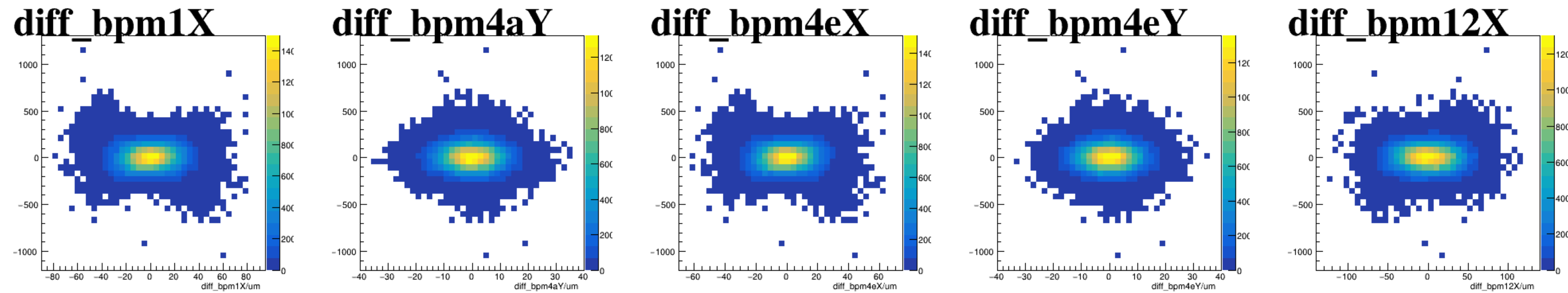
asym_sam7



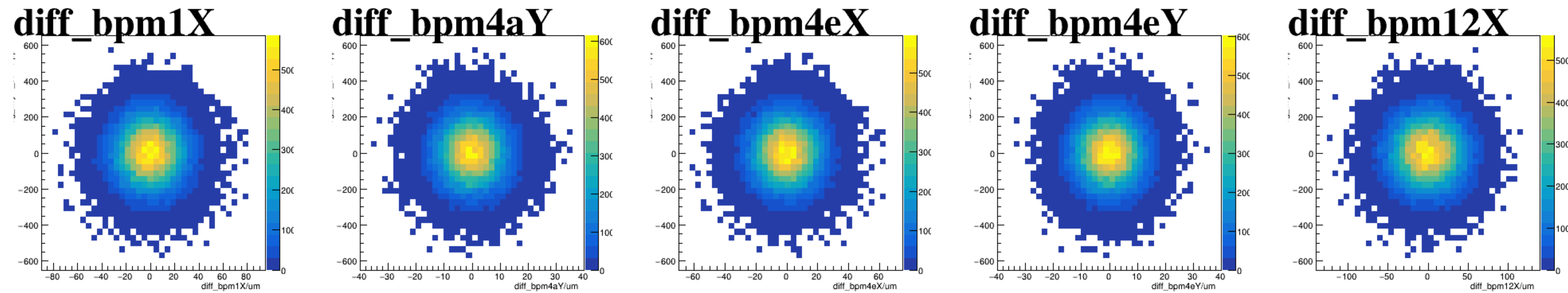
reg_asym_sam1



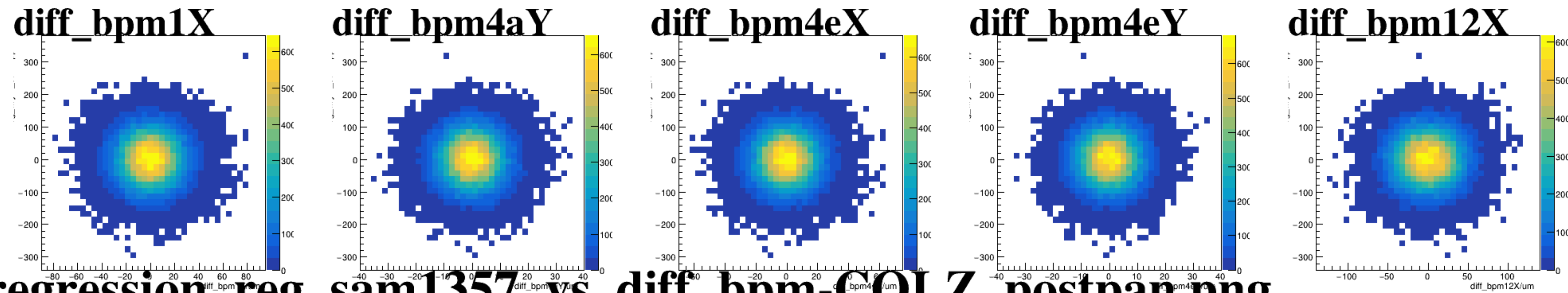
reg_asym_sam3



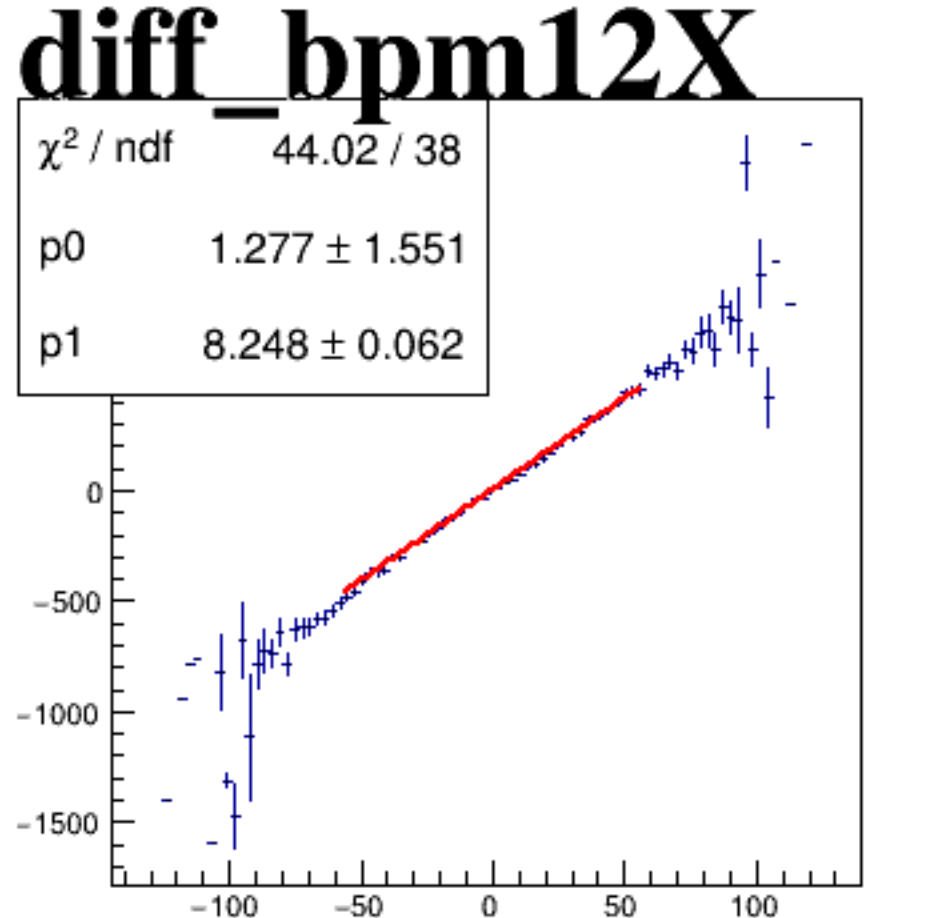
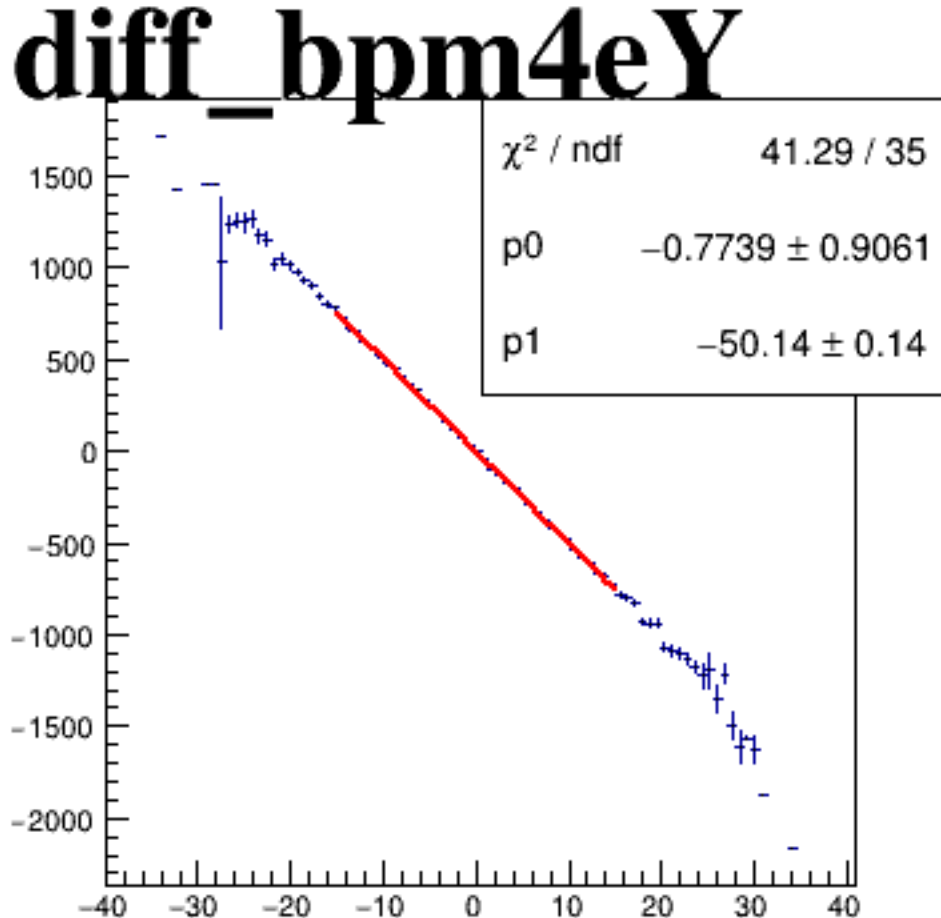
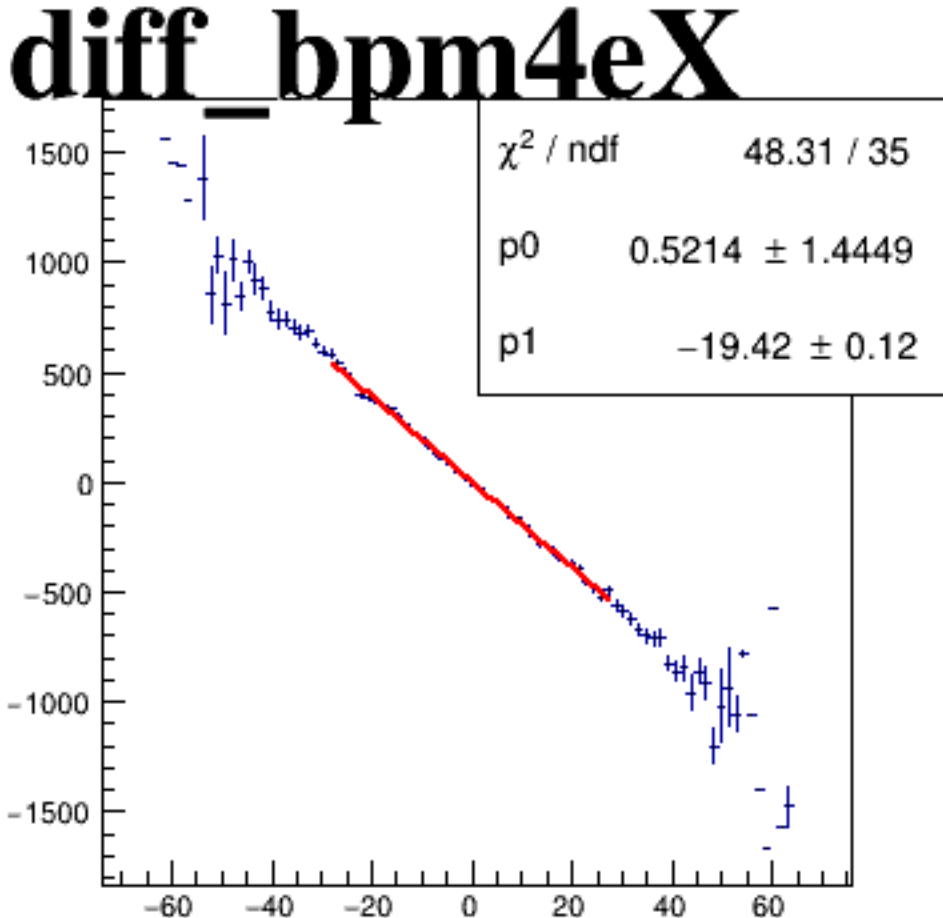
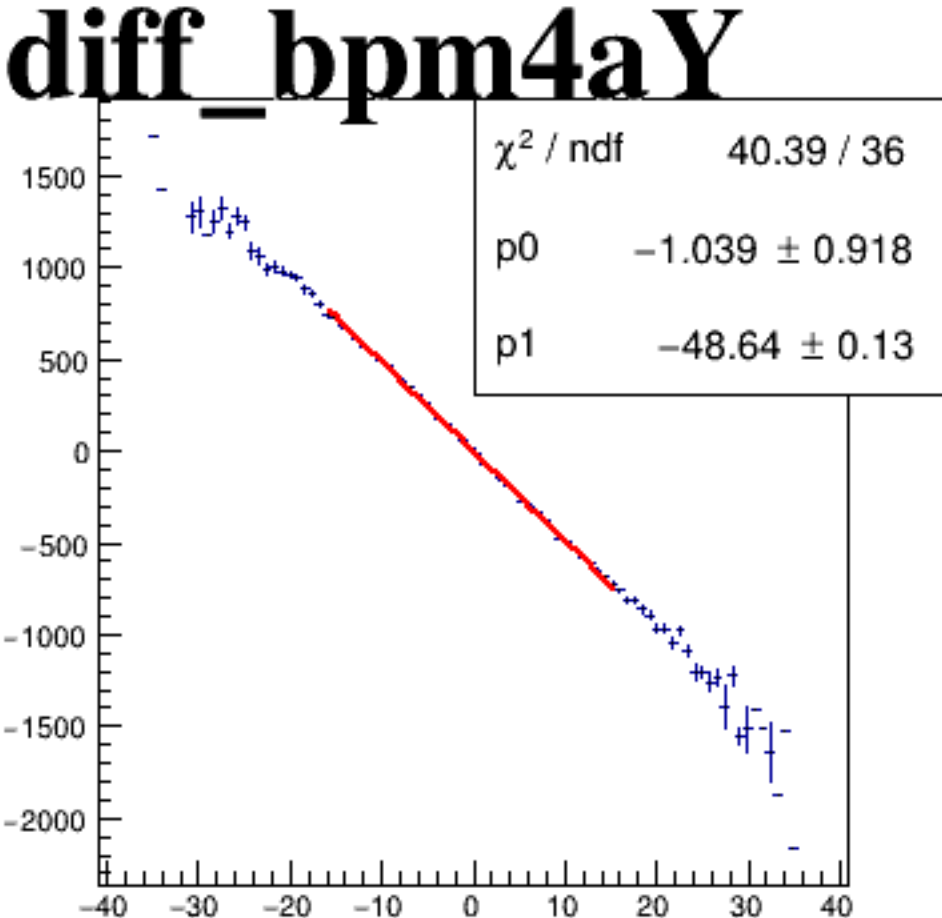
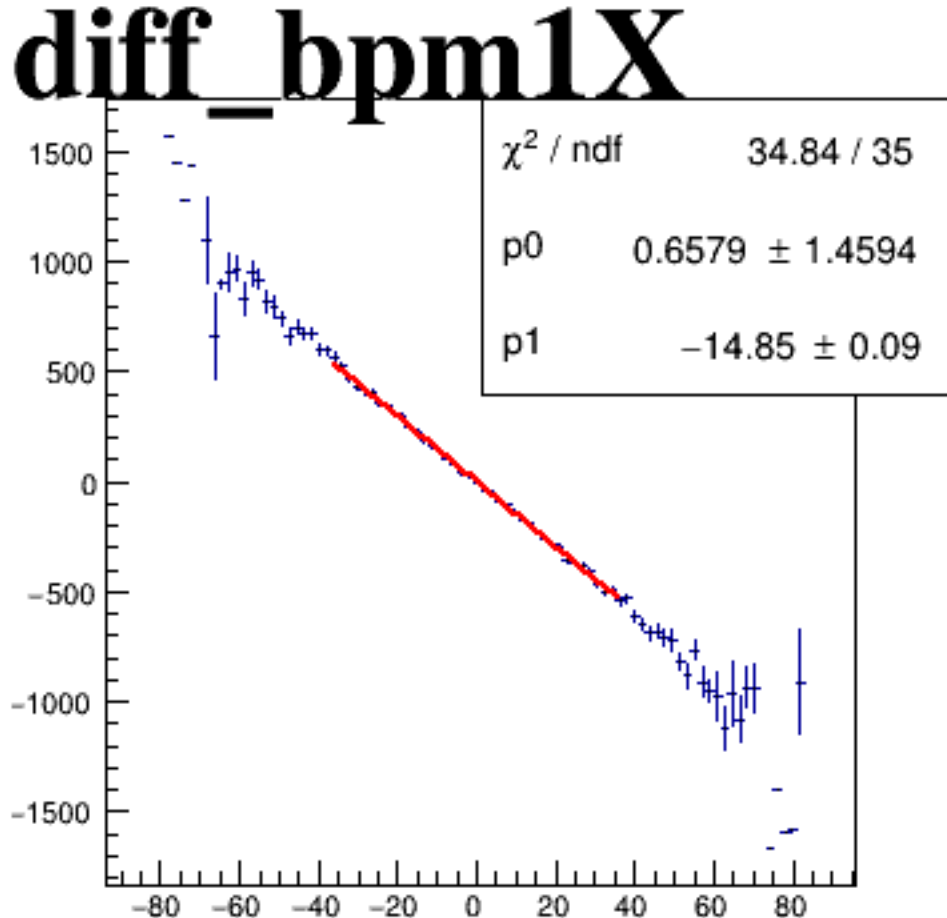
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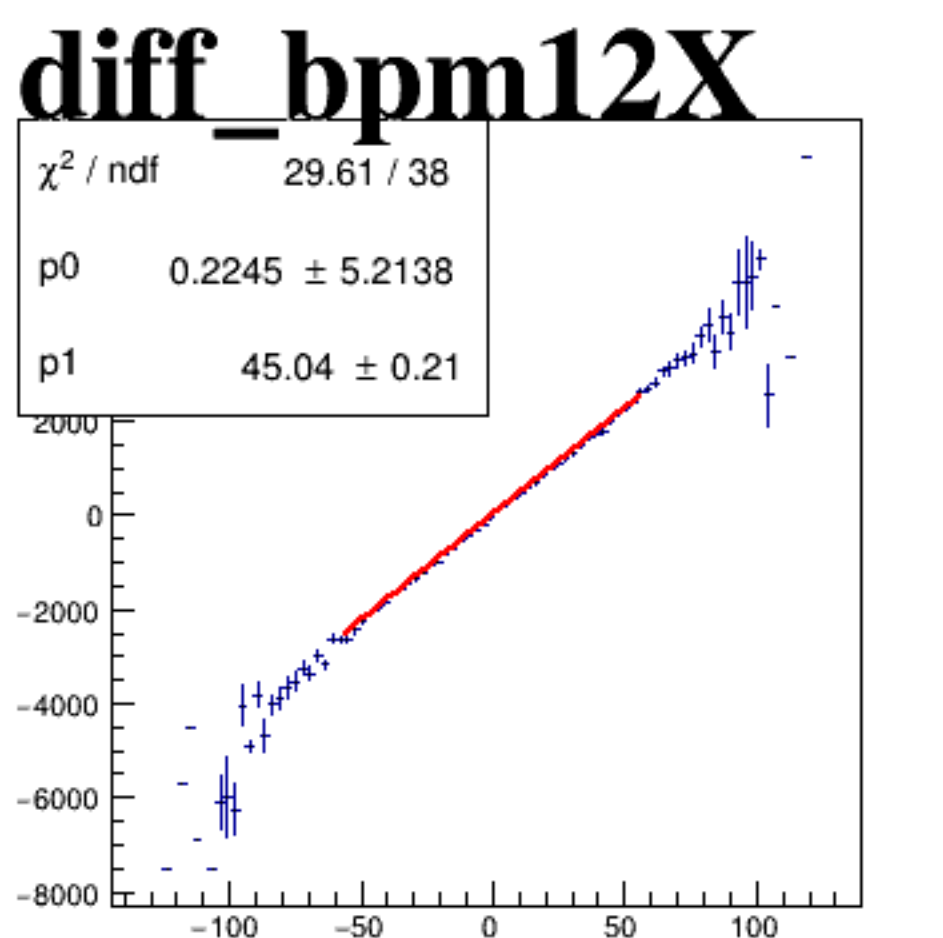
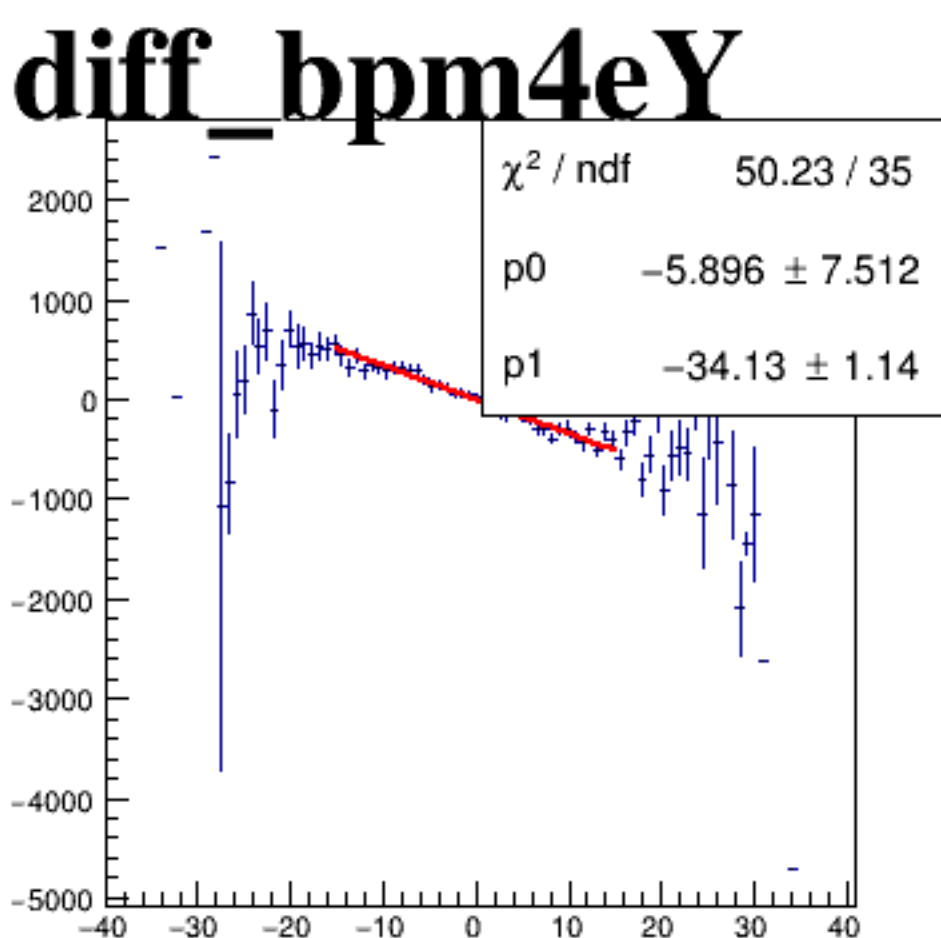
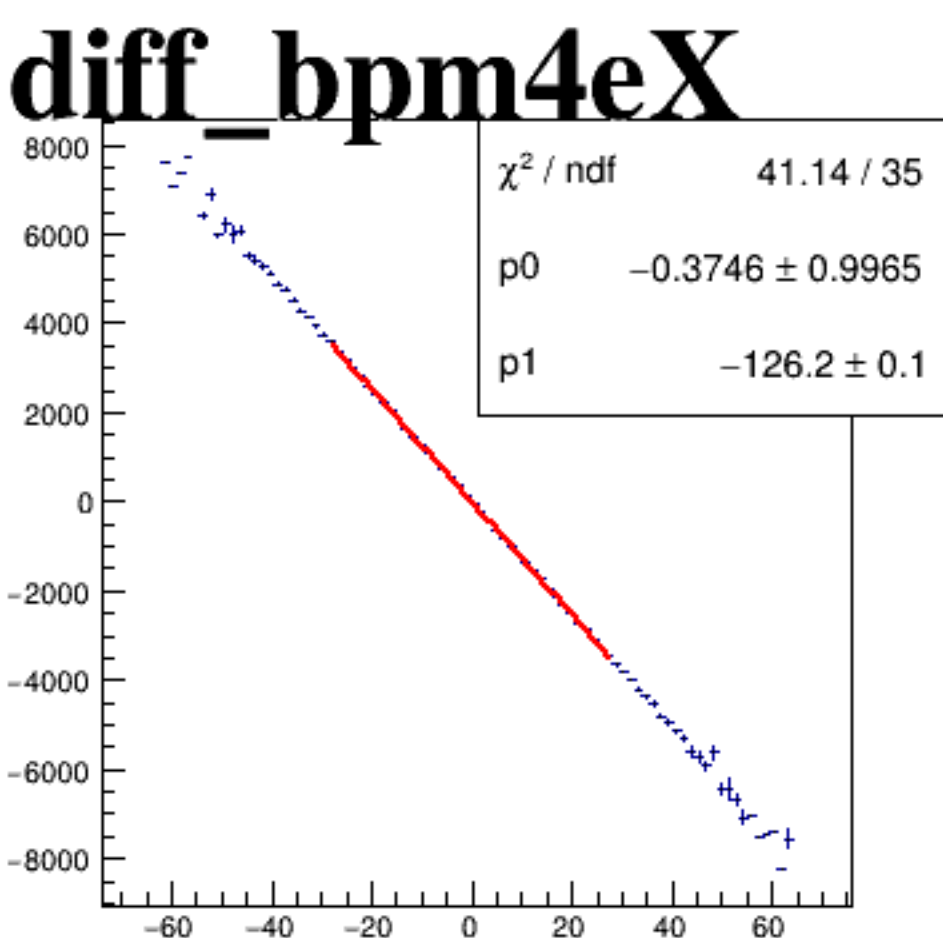
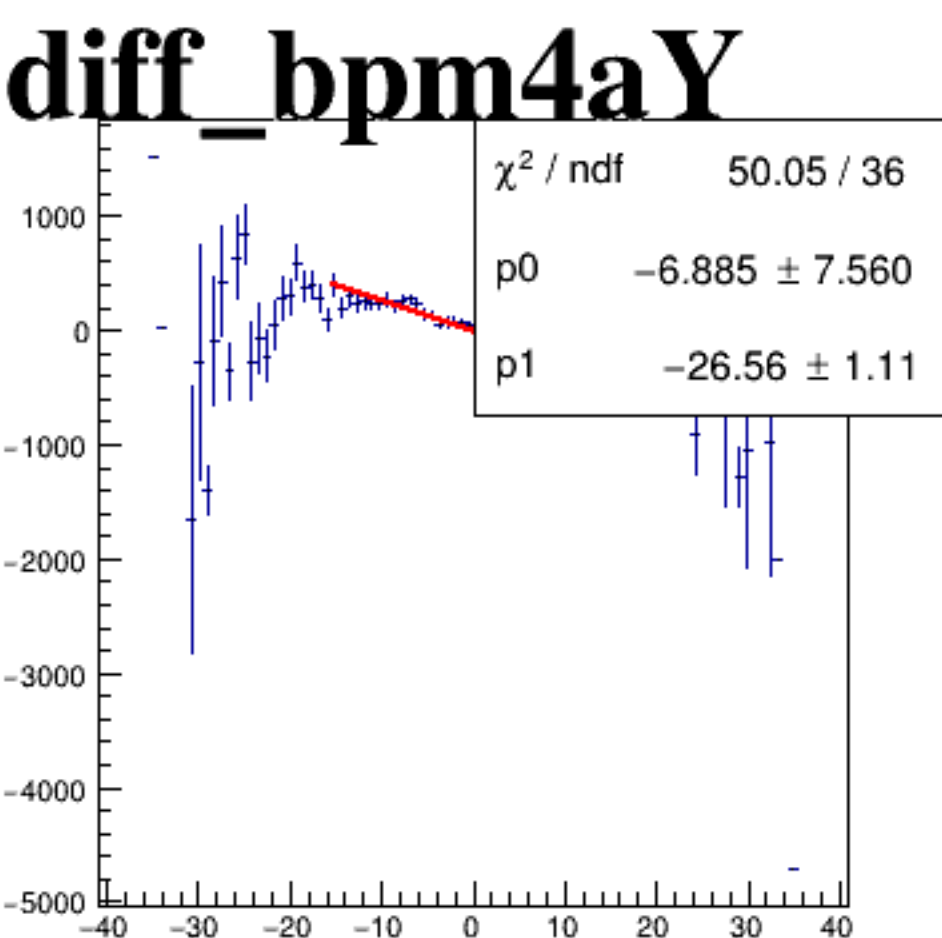
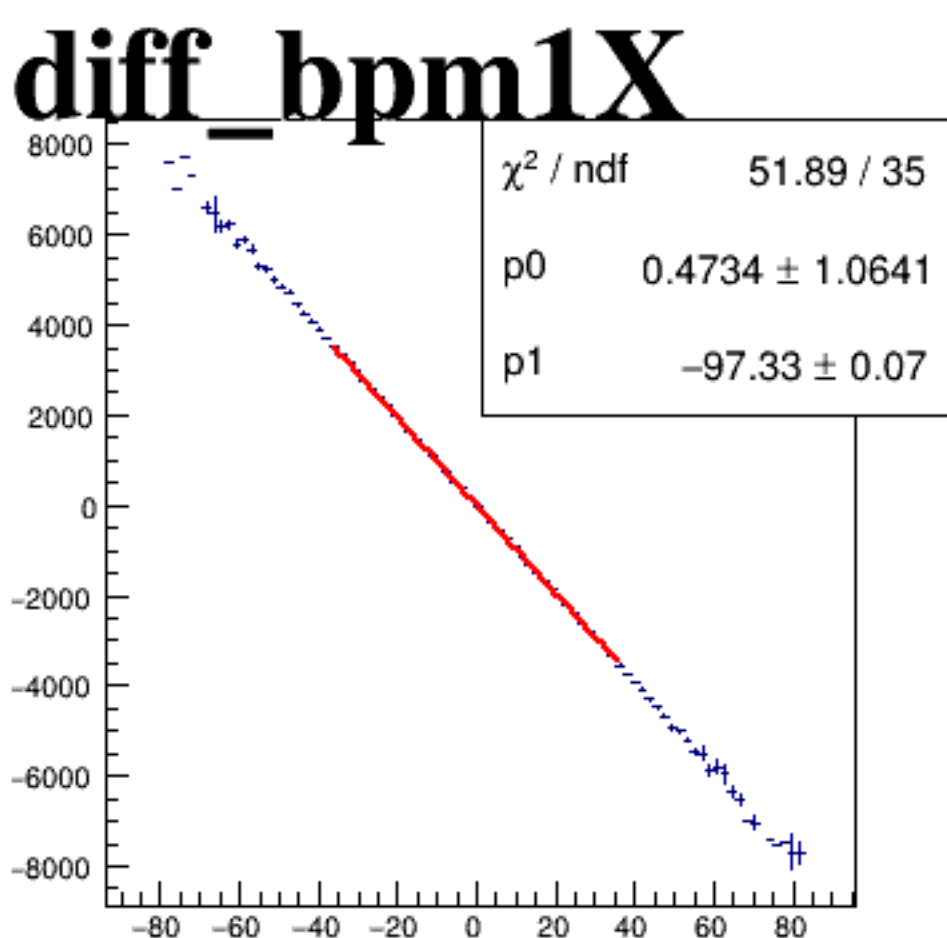
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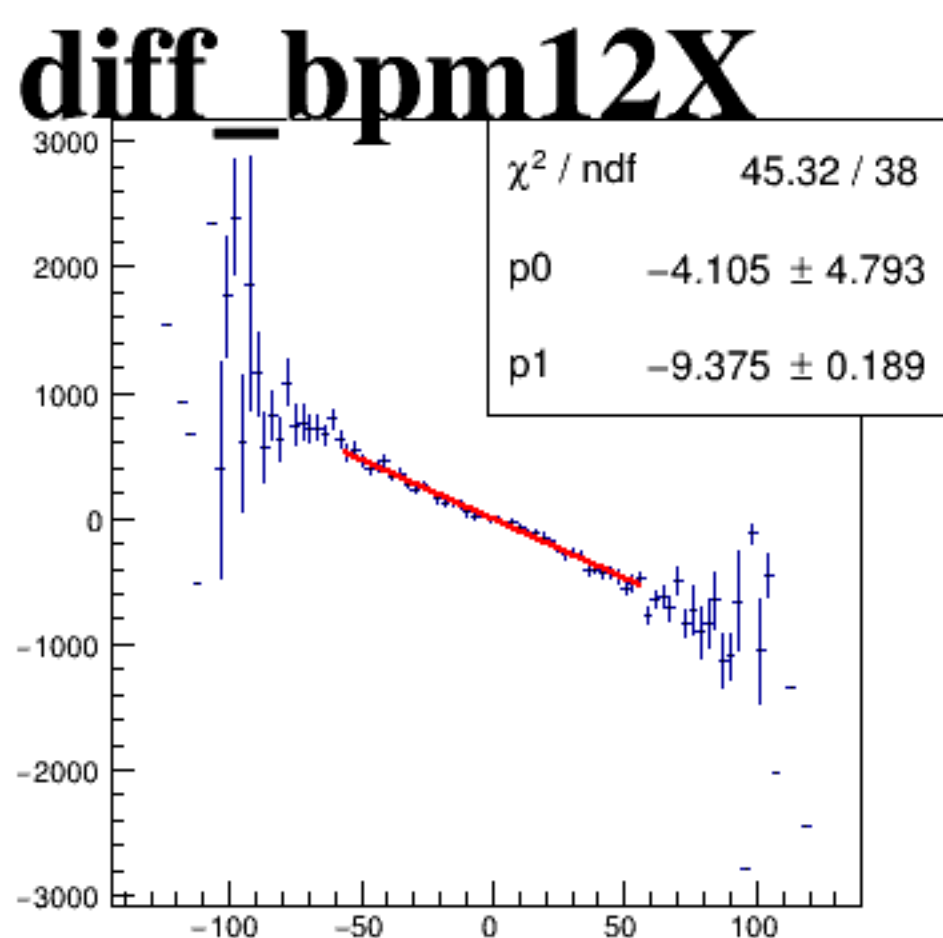
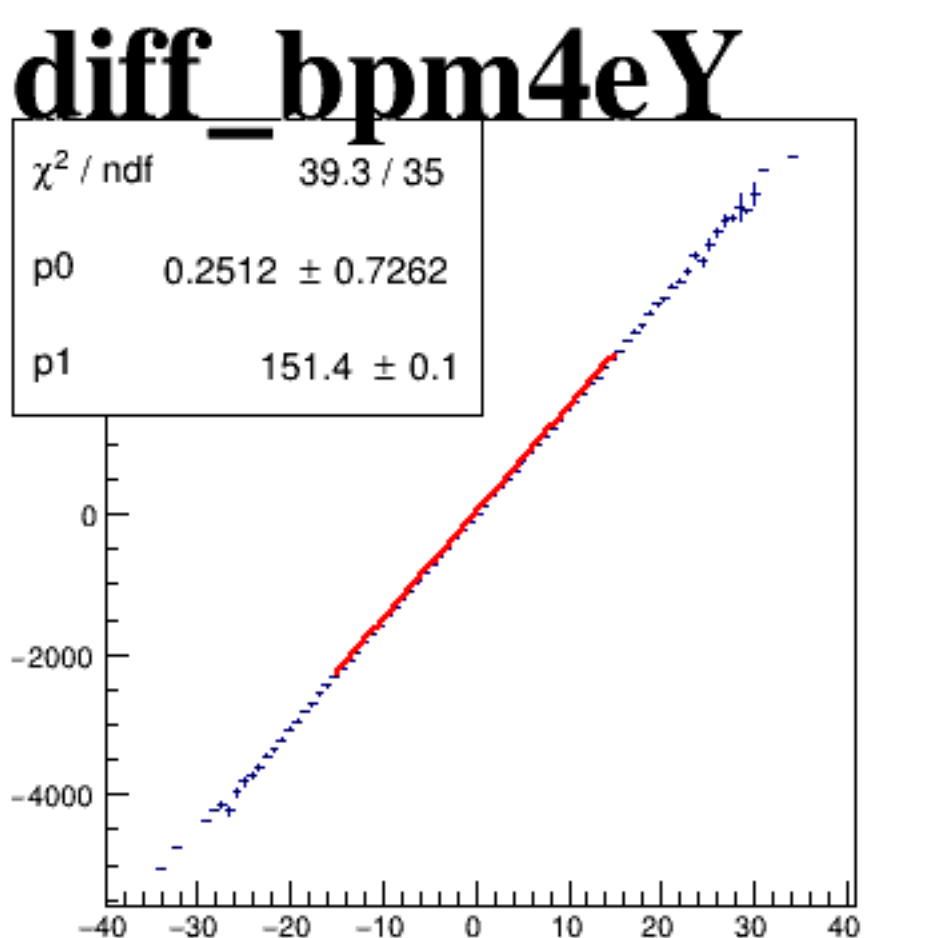
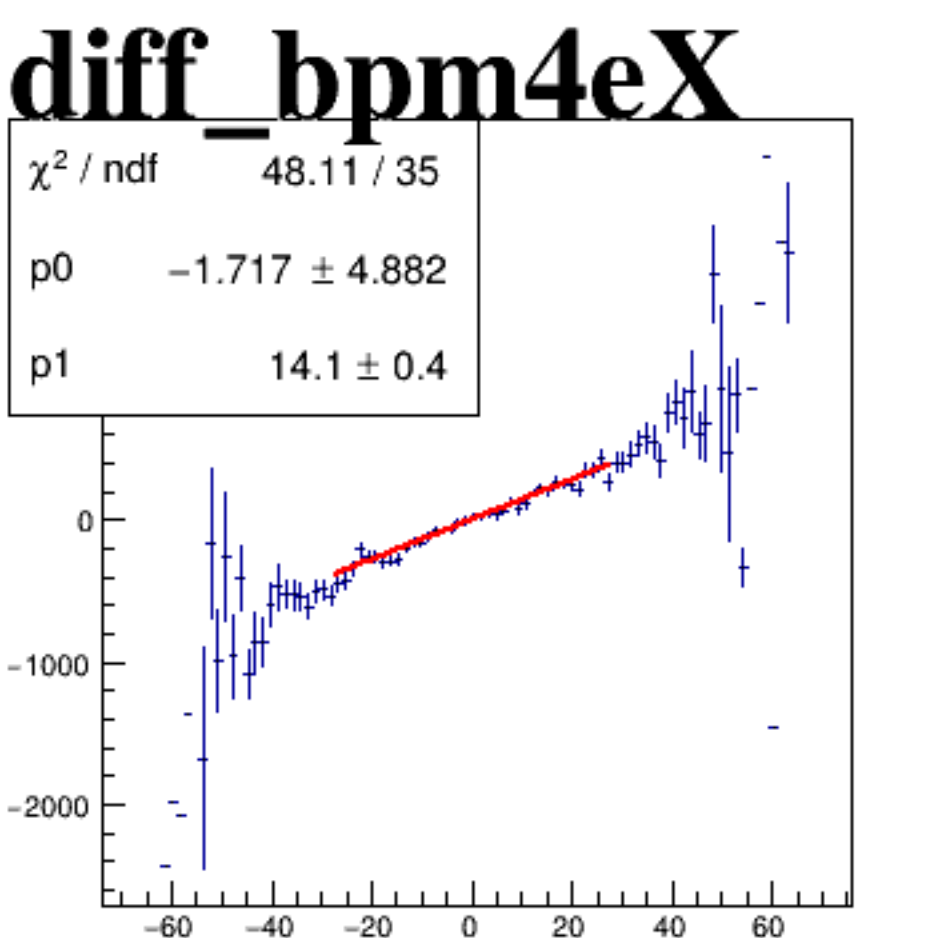
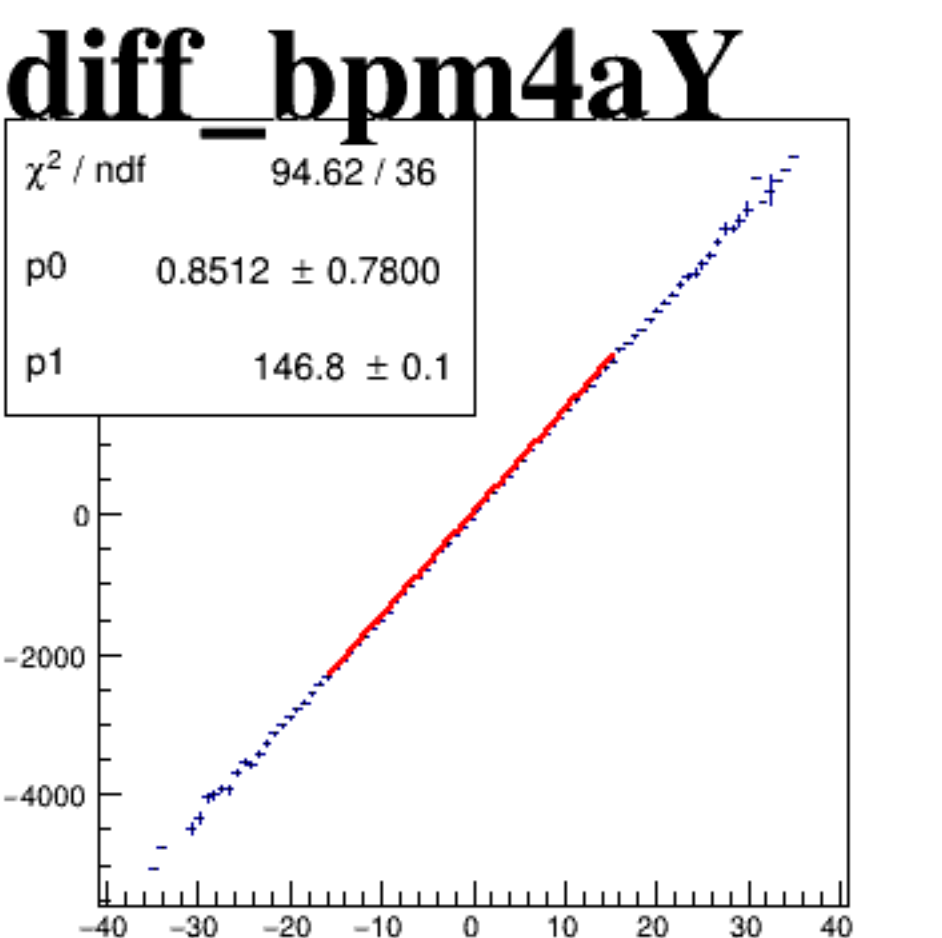
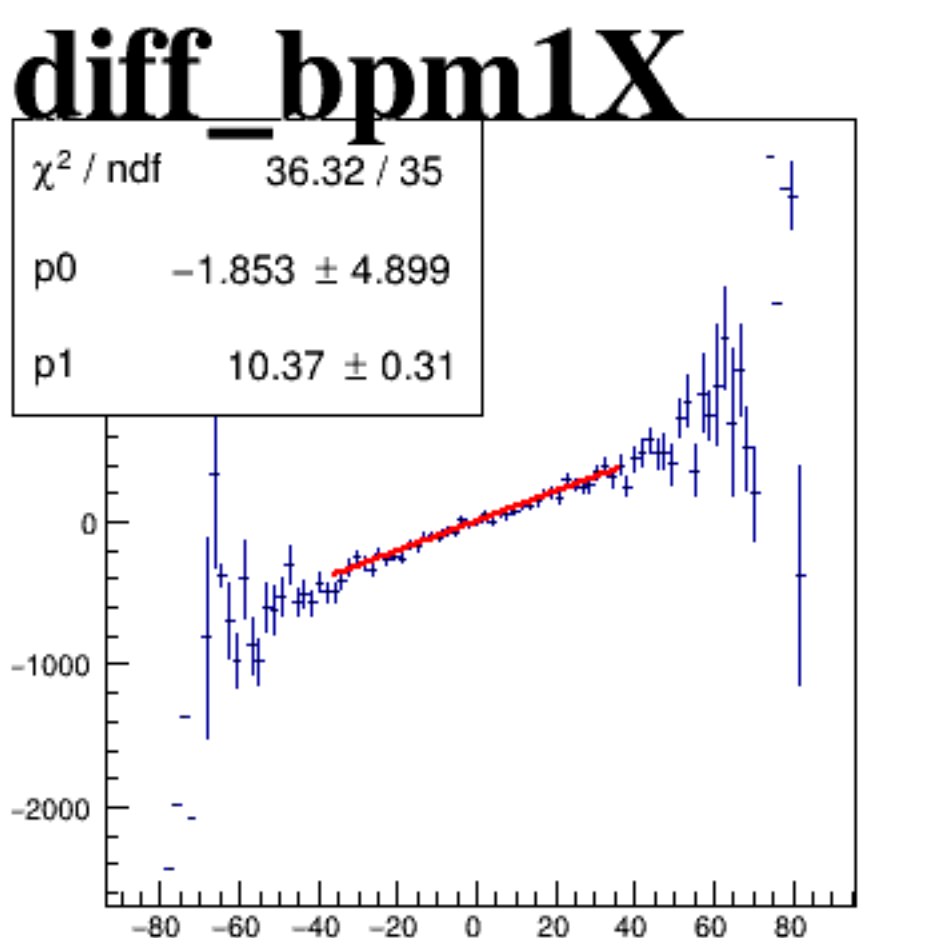
asym_sam1



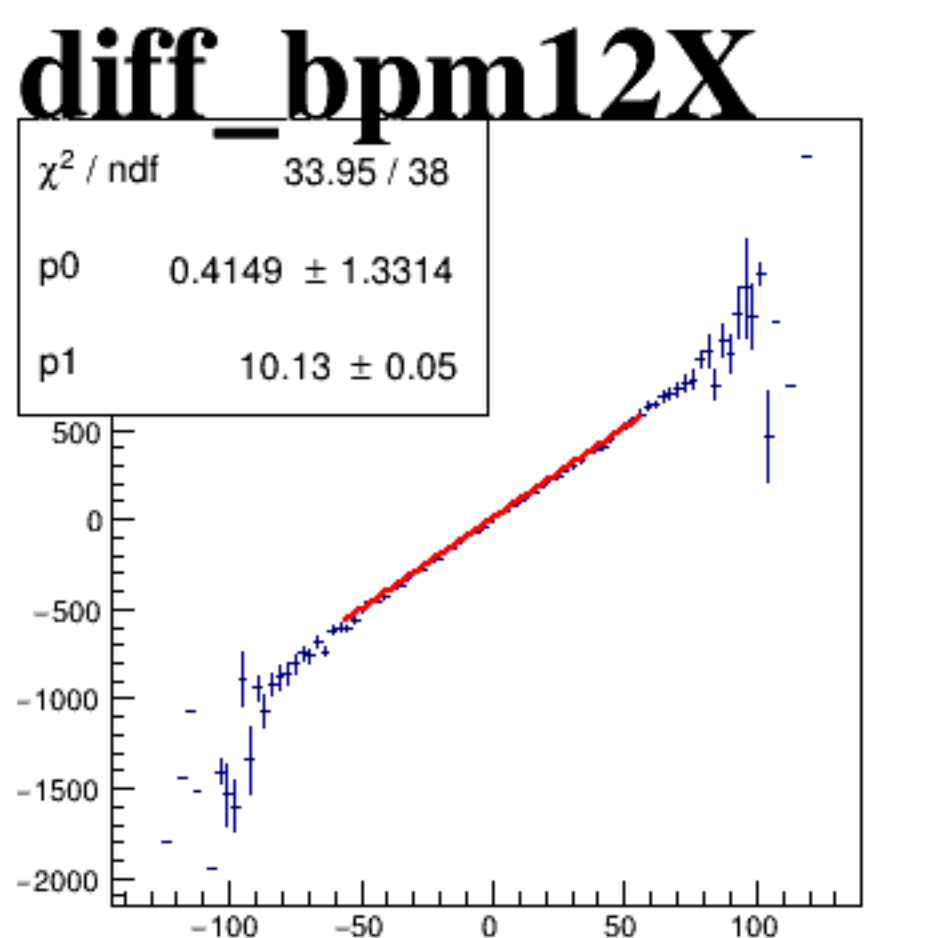
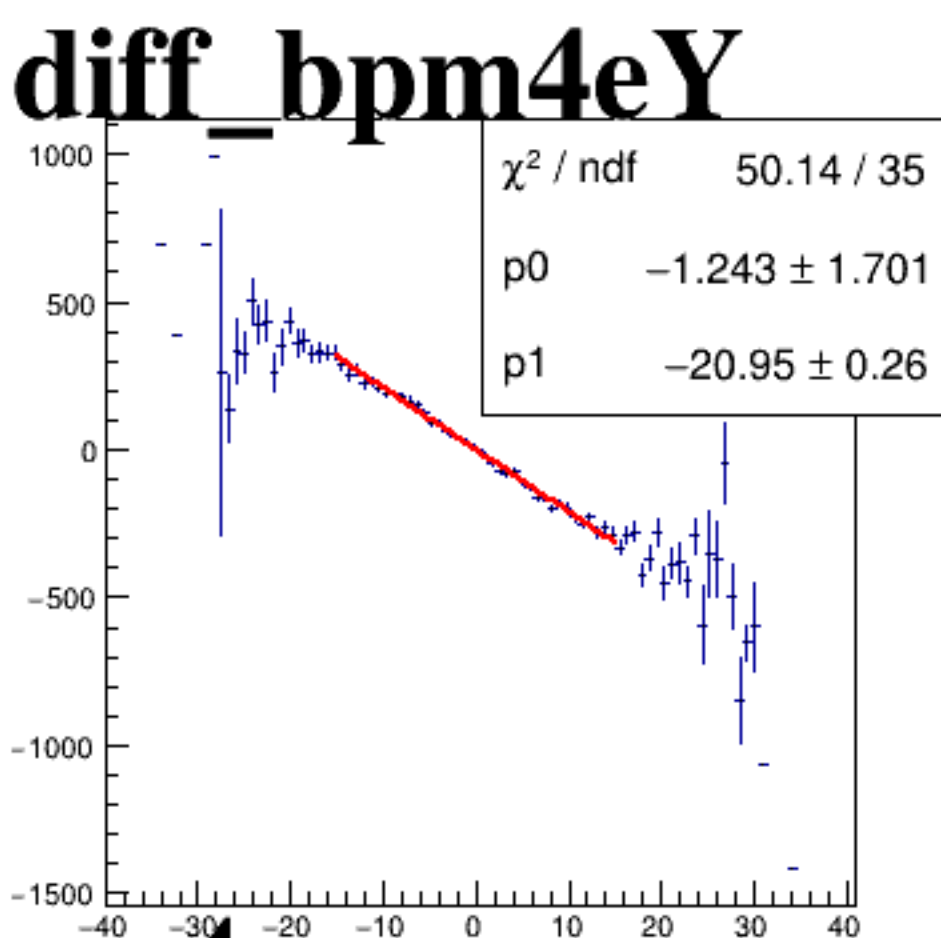
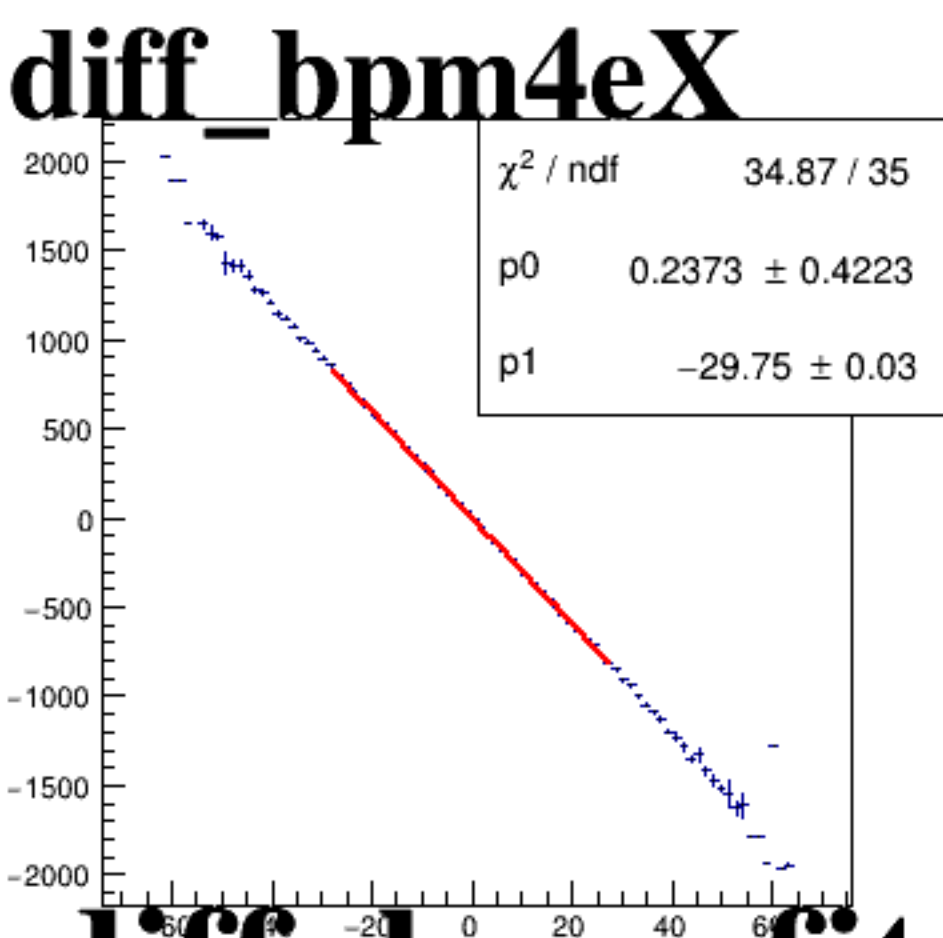
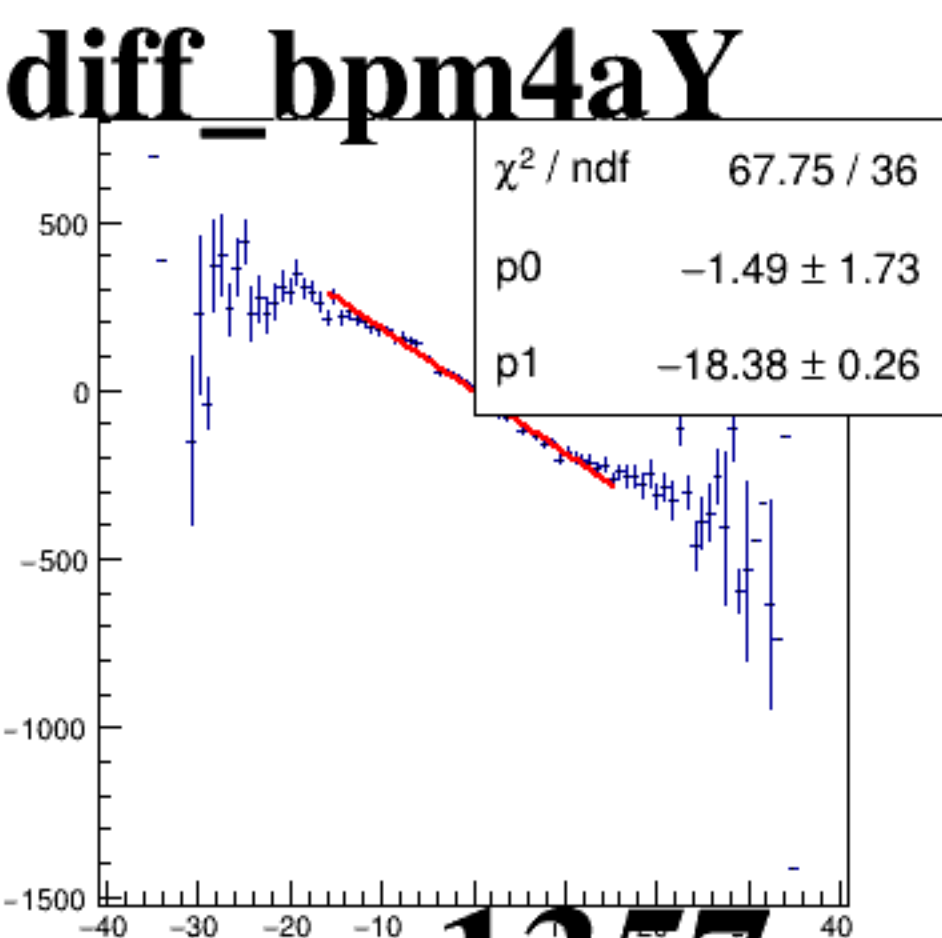
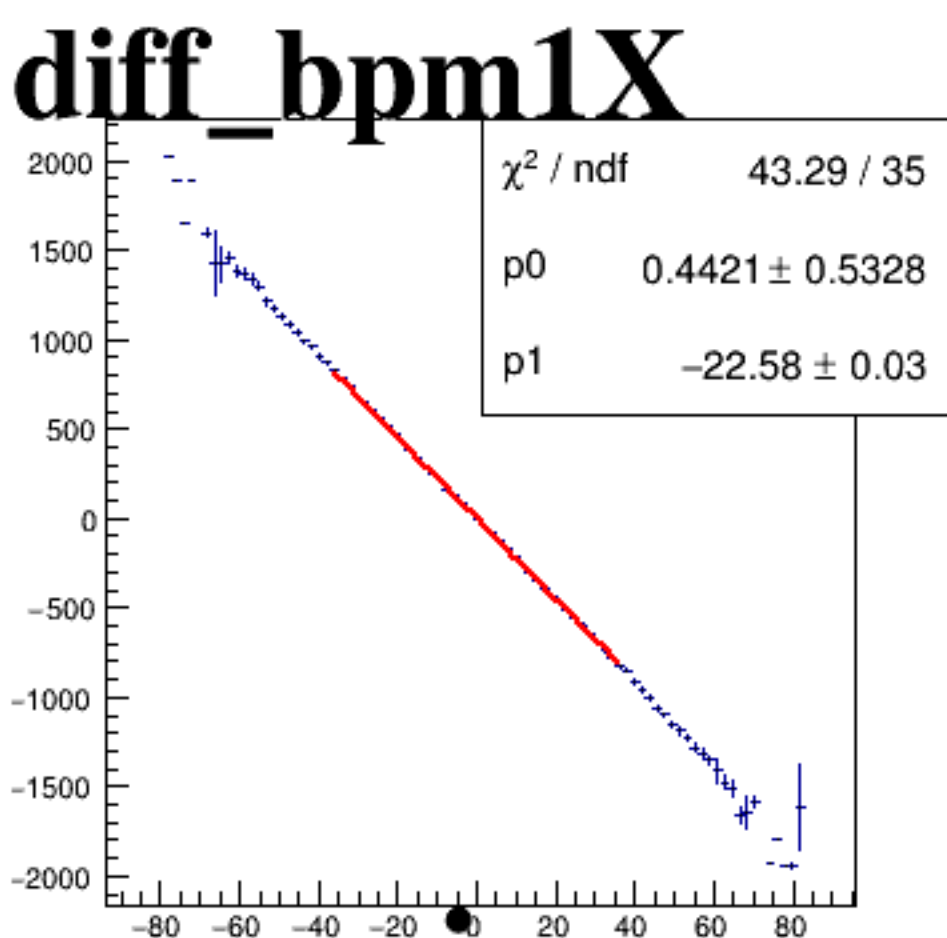
asym_sam3



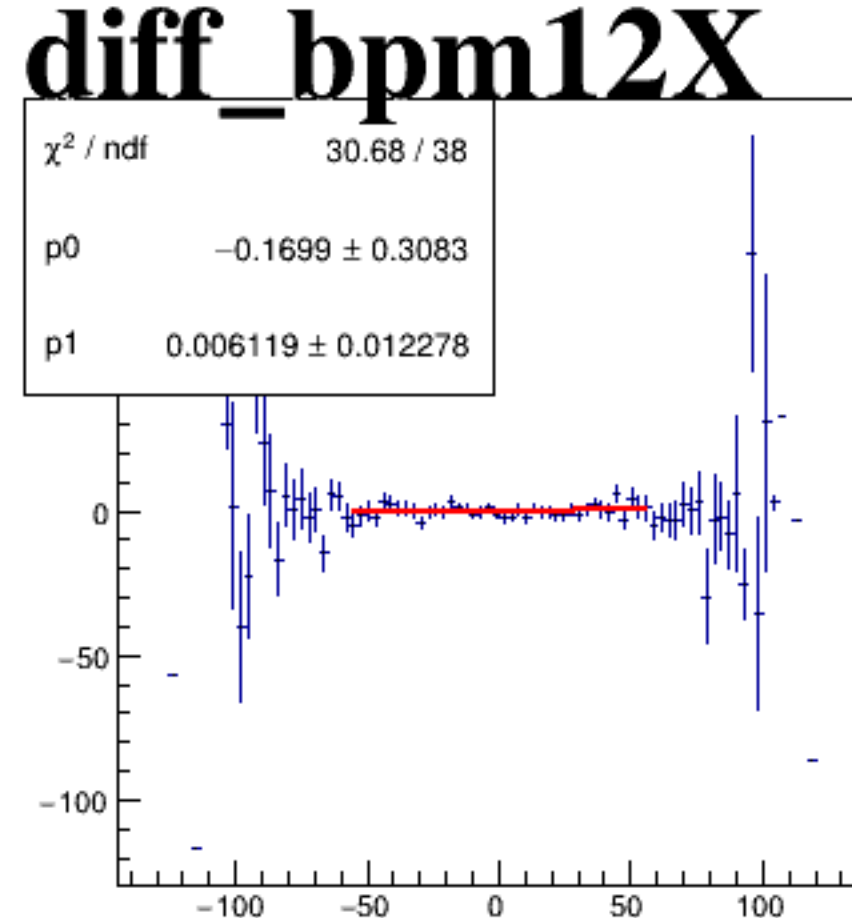
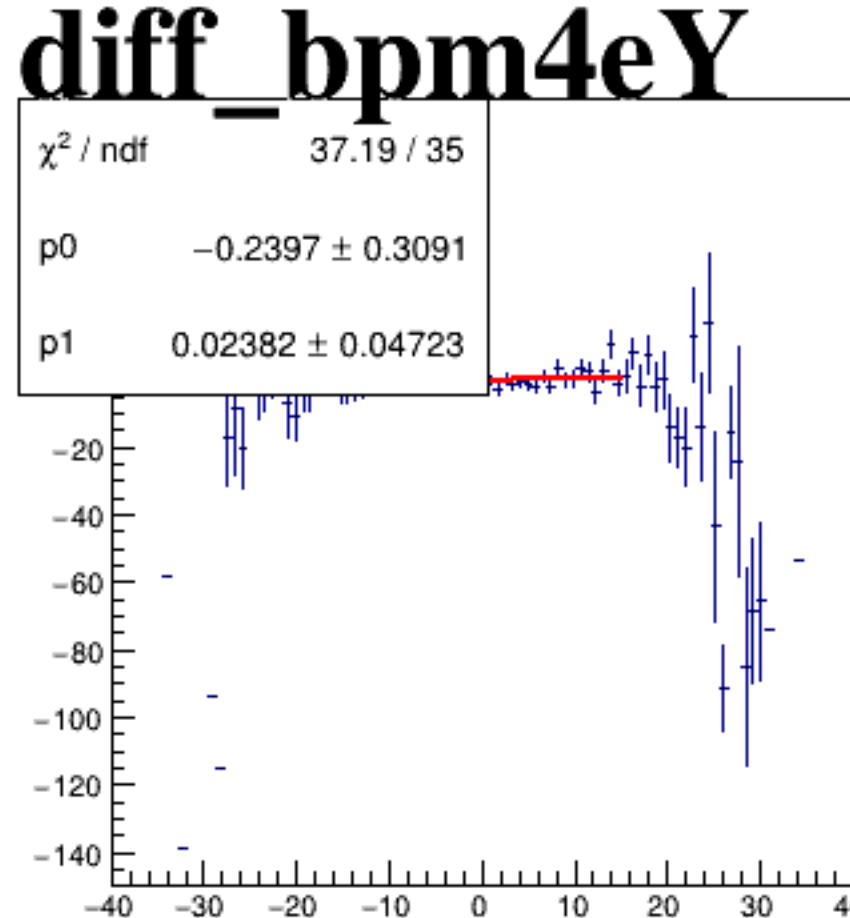
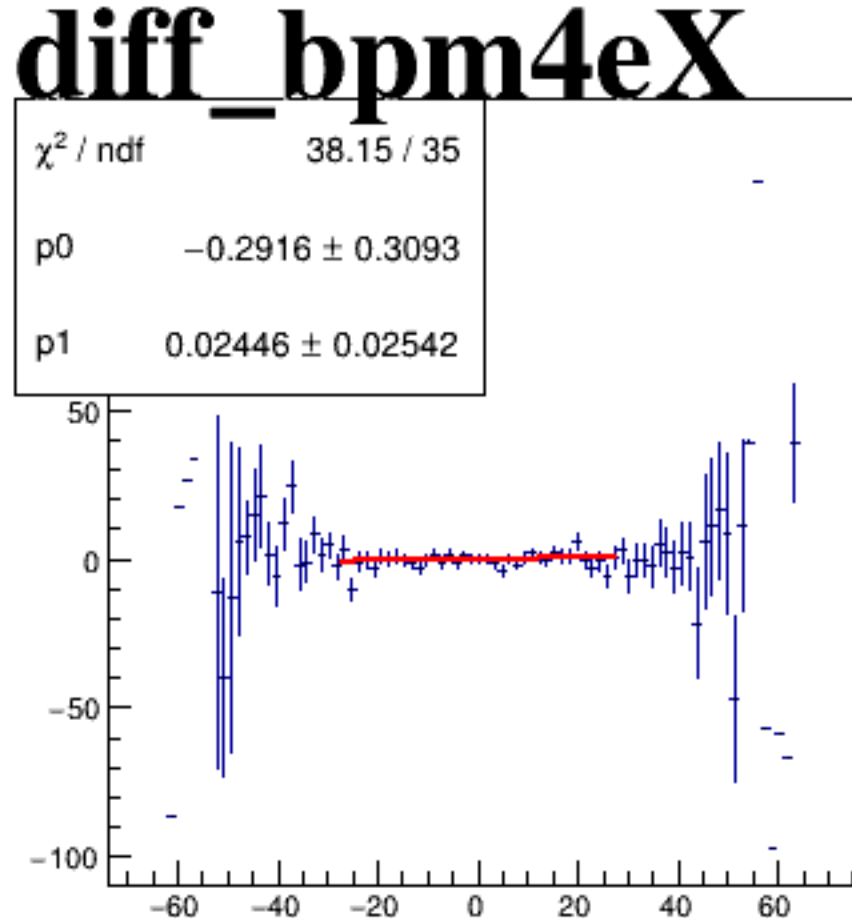
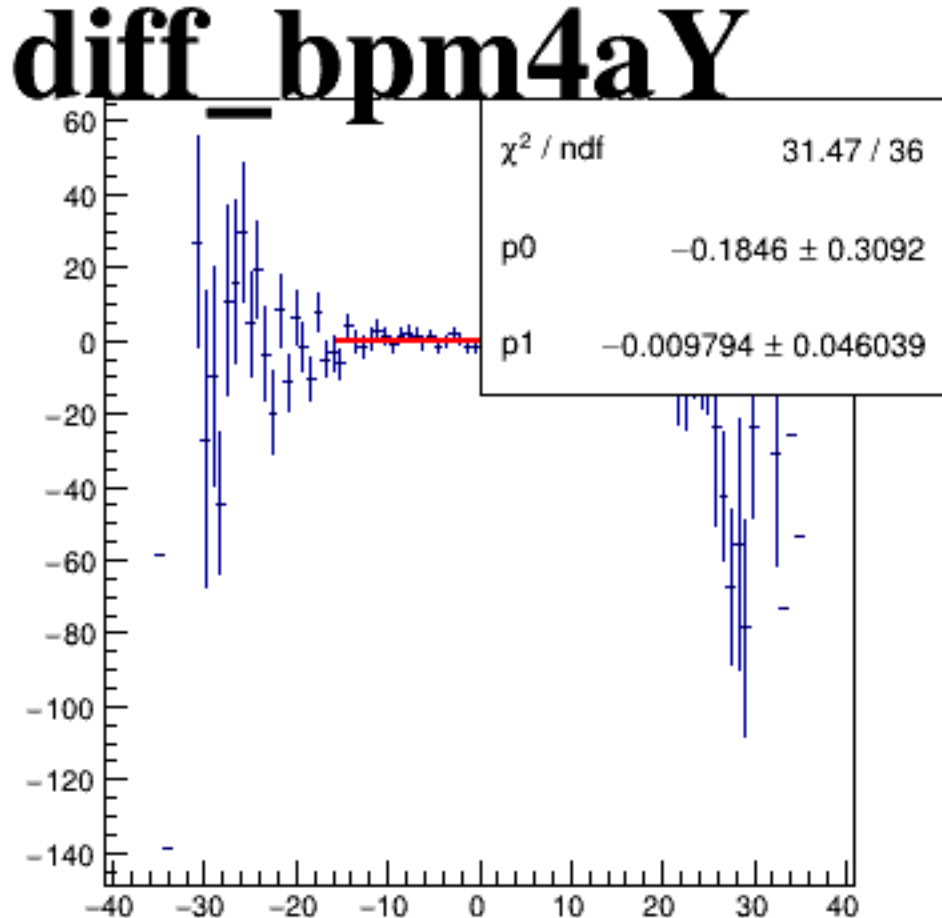
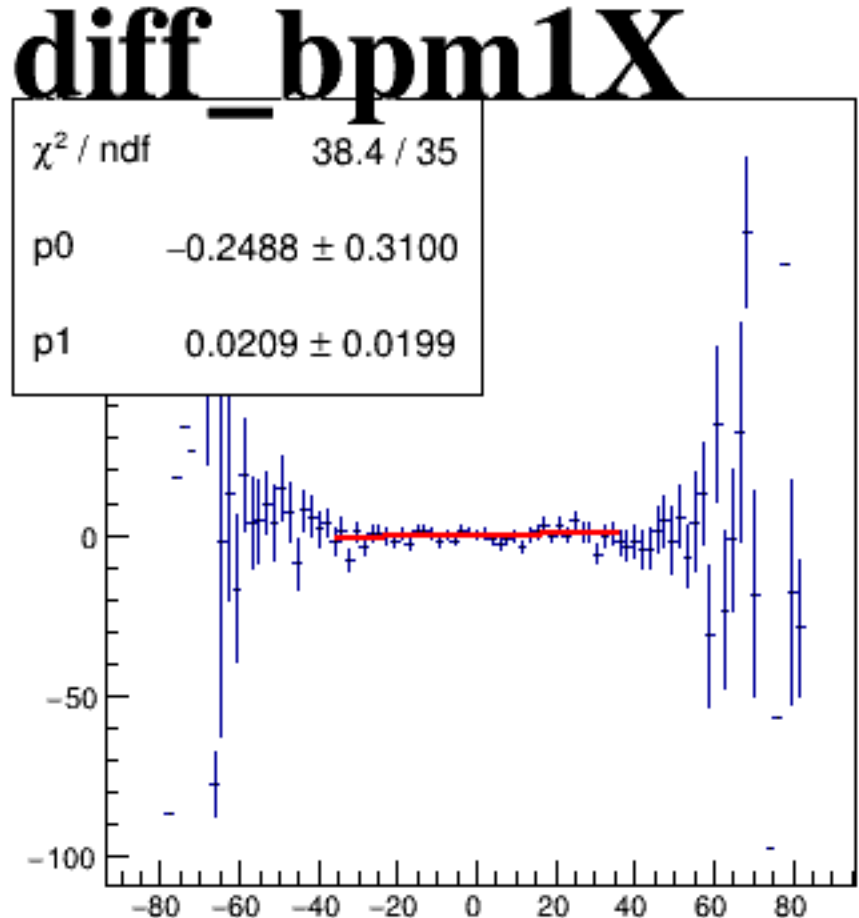
asym_sam5



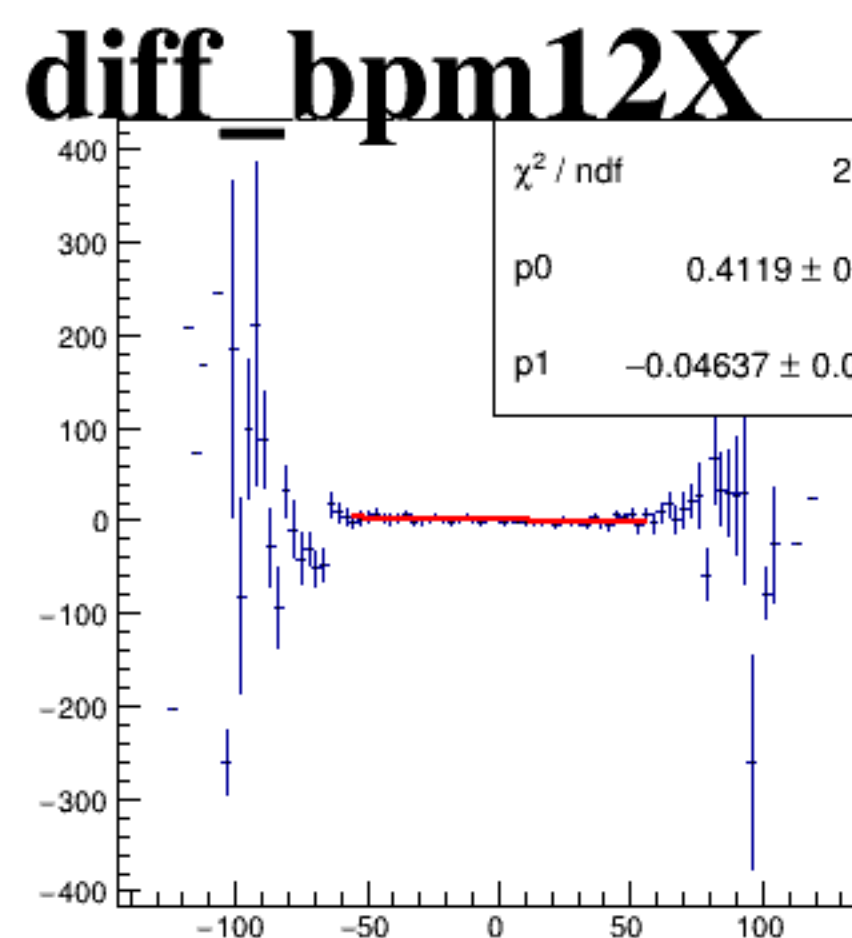
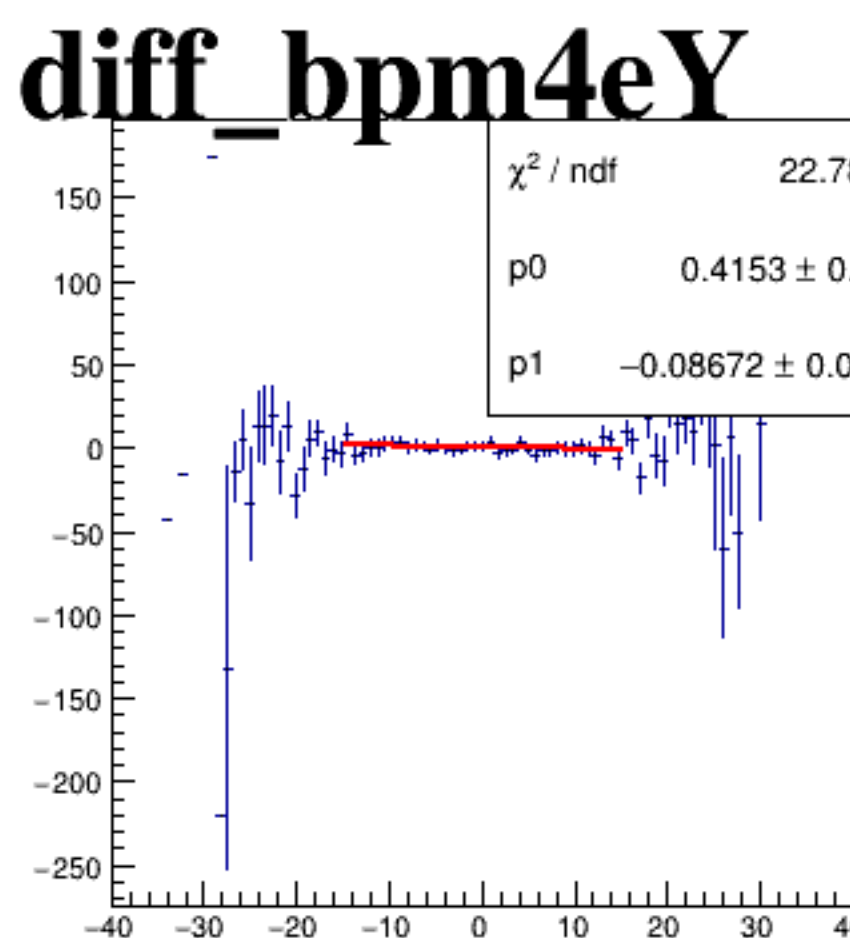
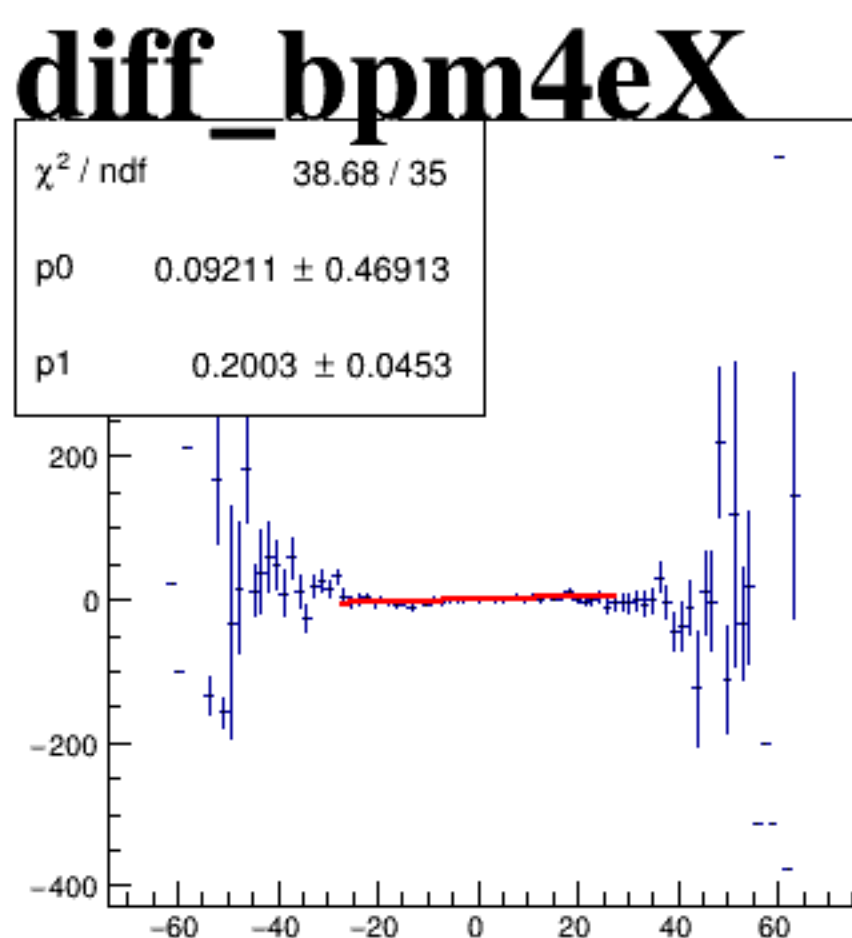
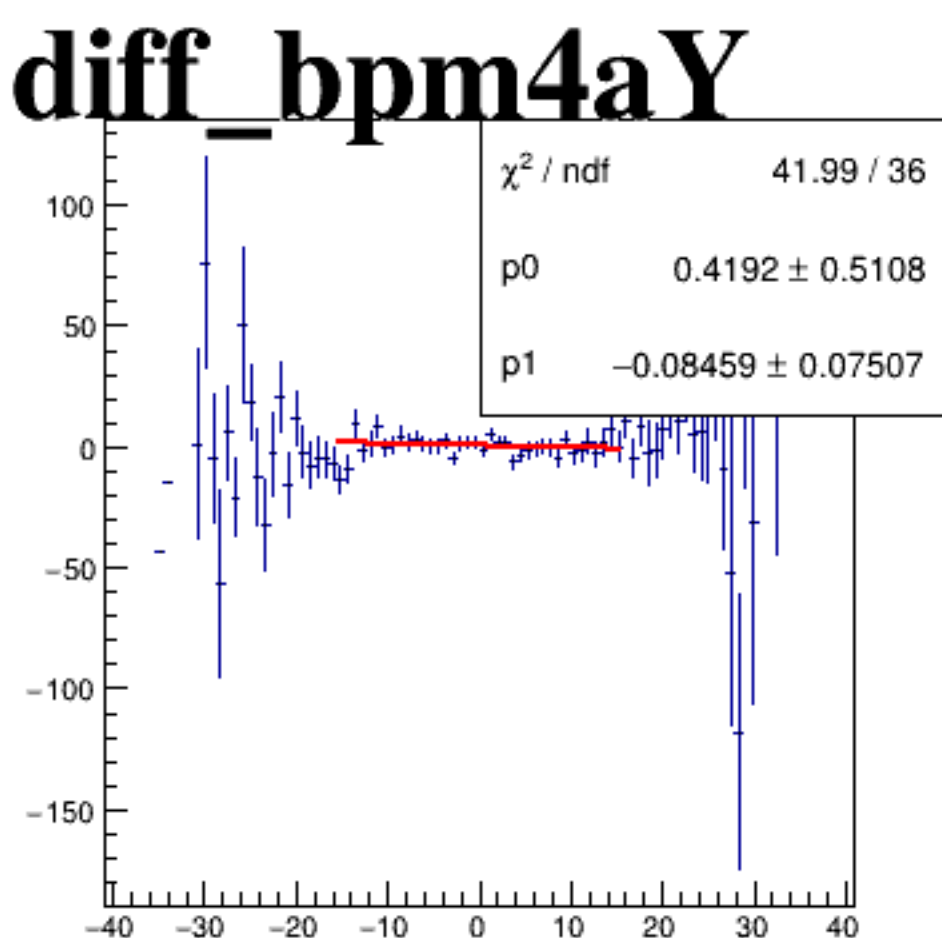
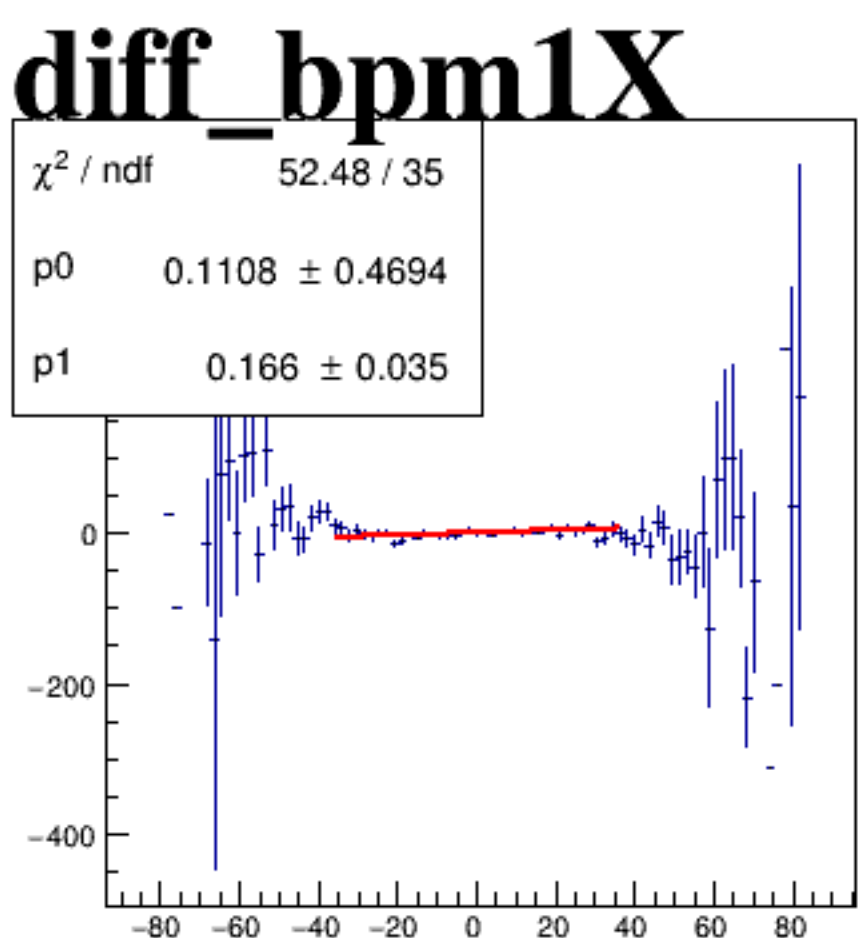
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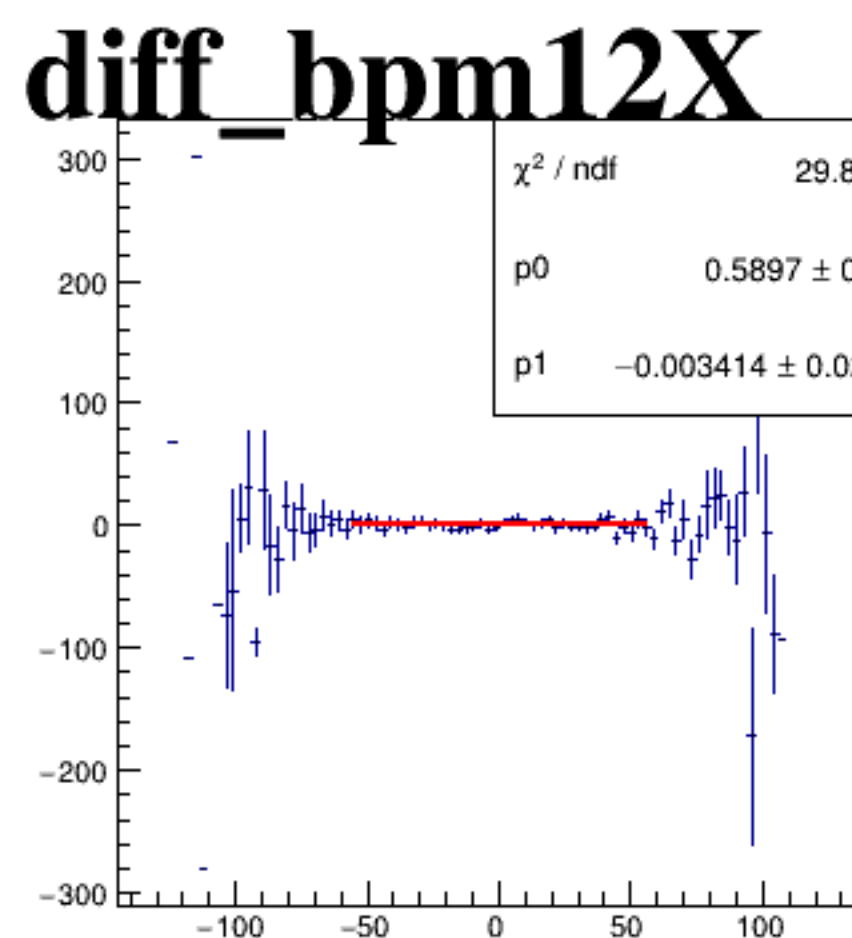
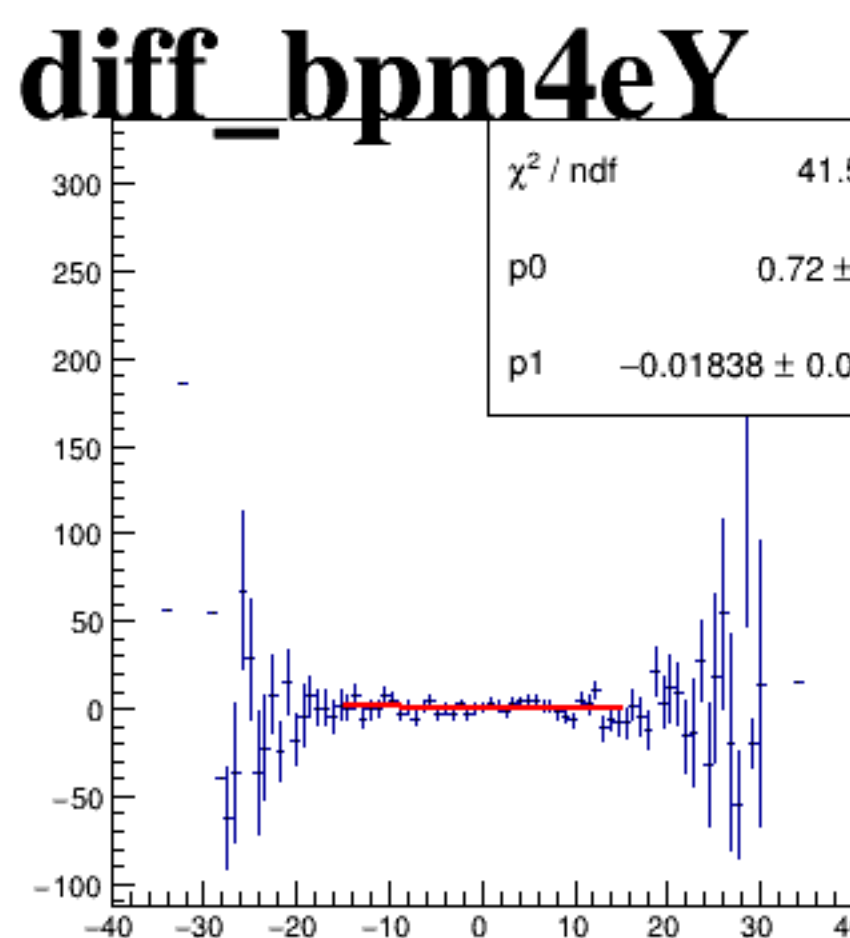
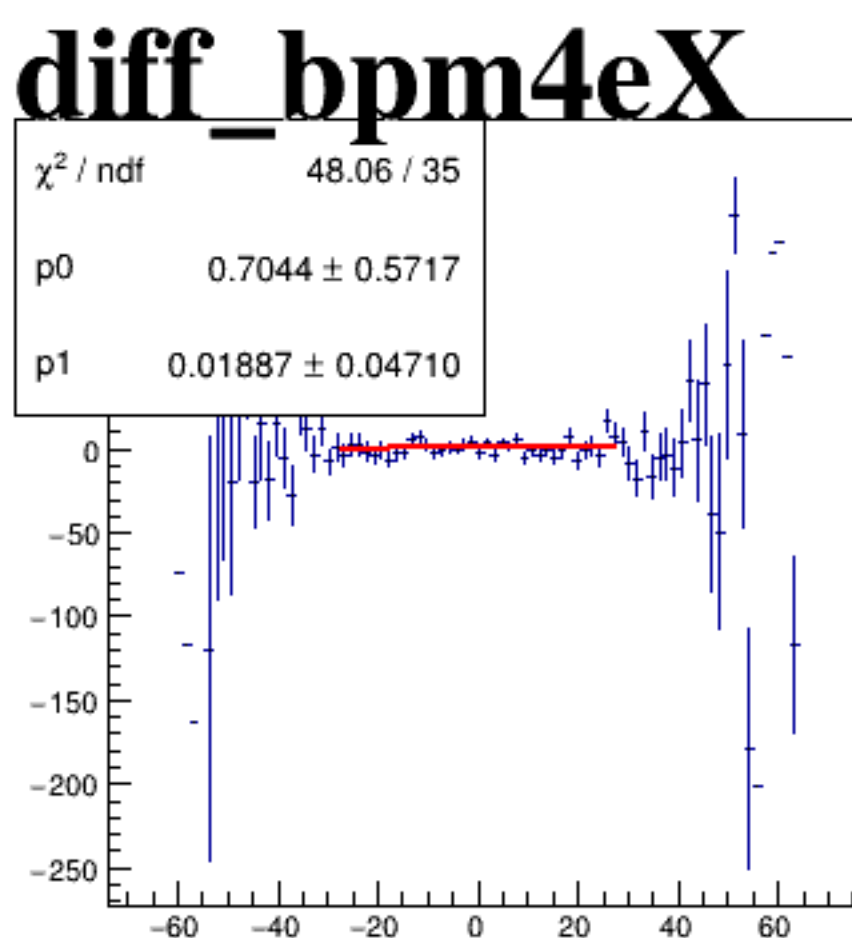
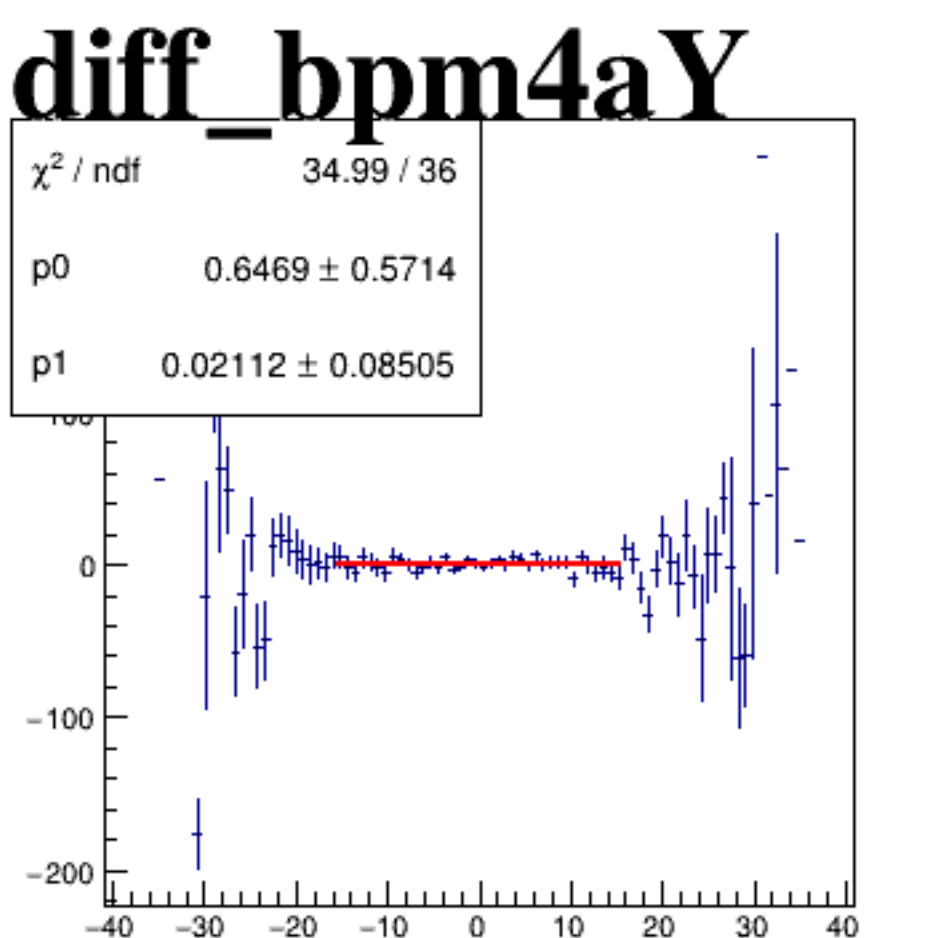
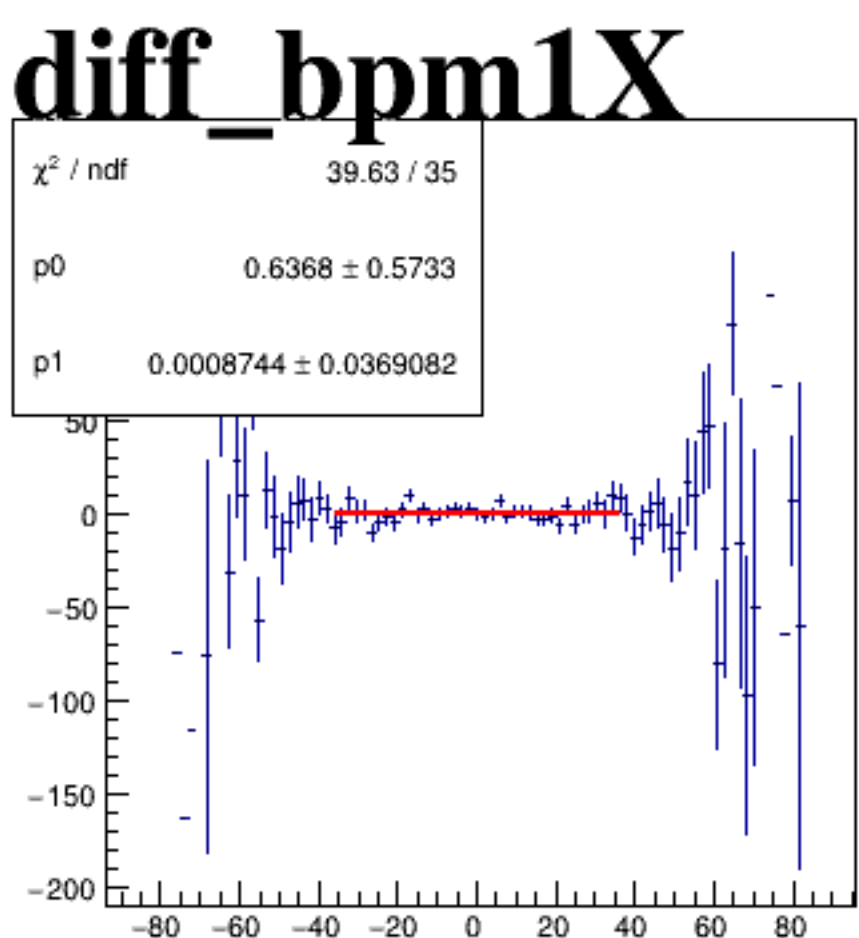
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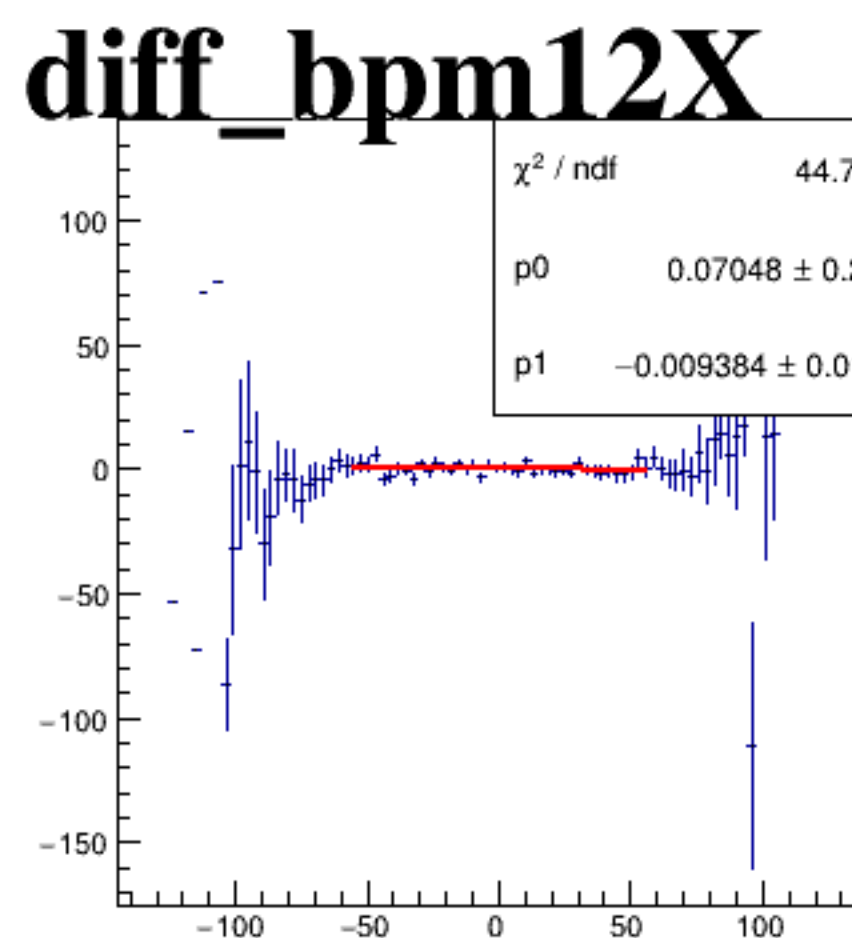
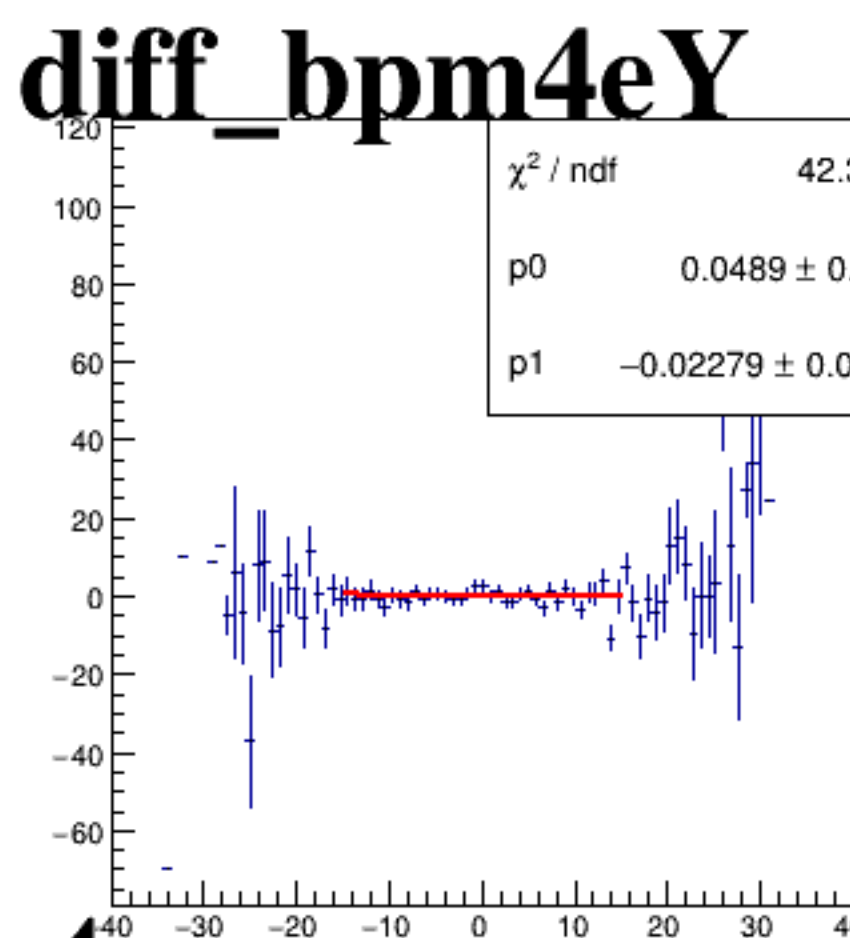
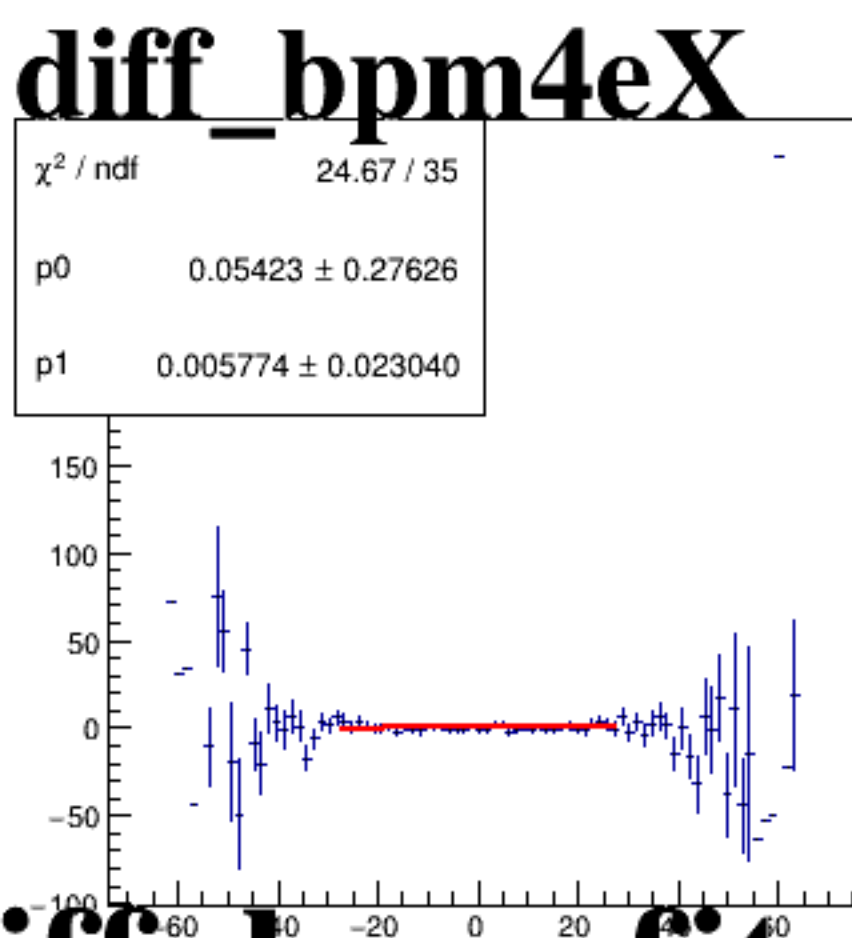
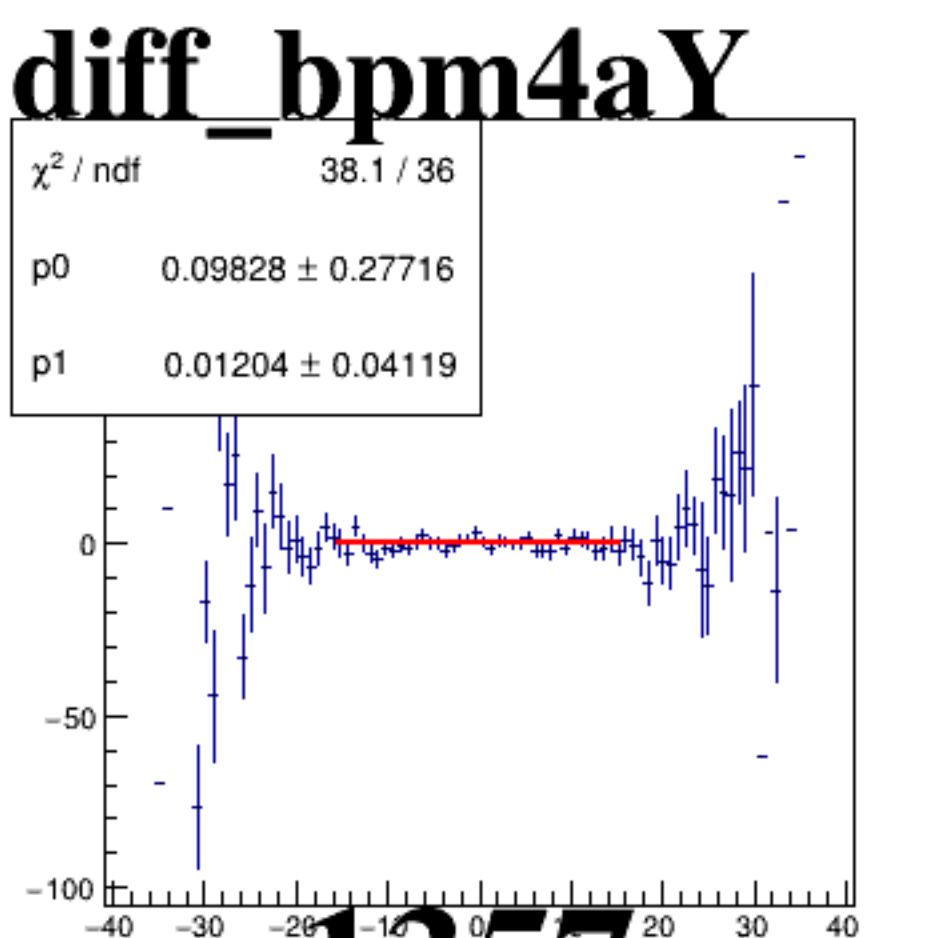
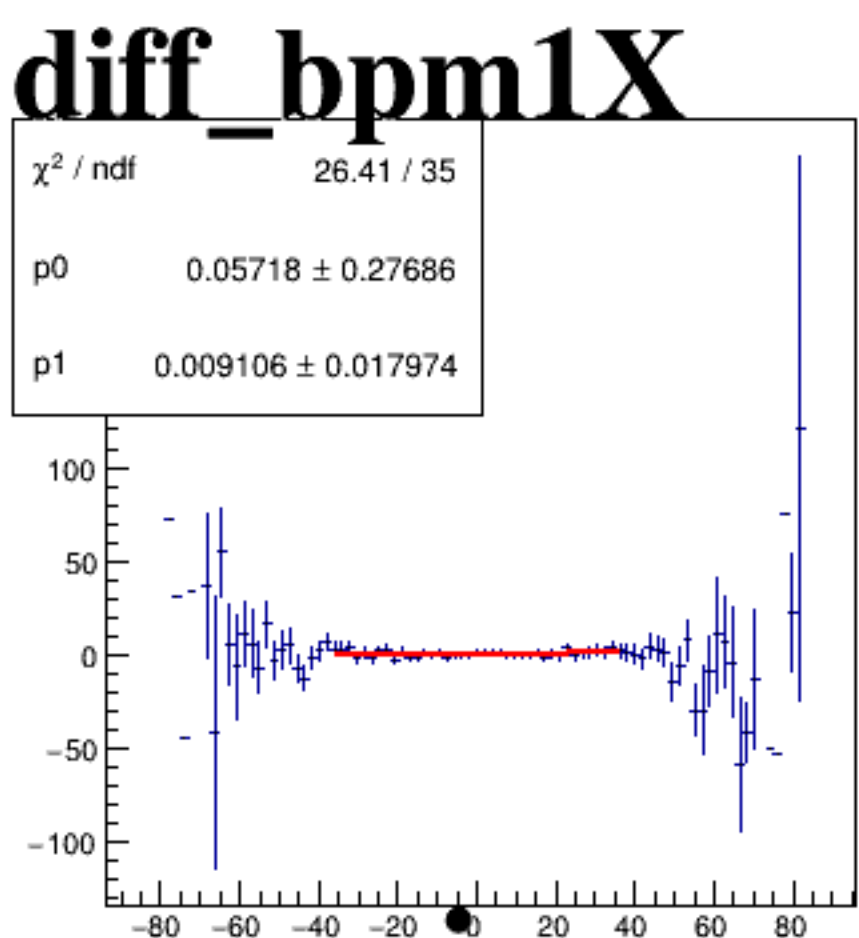
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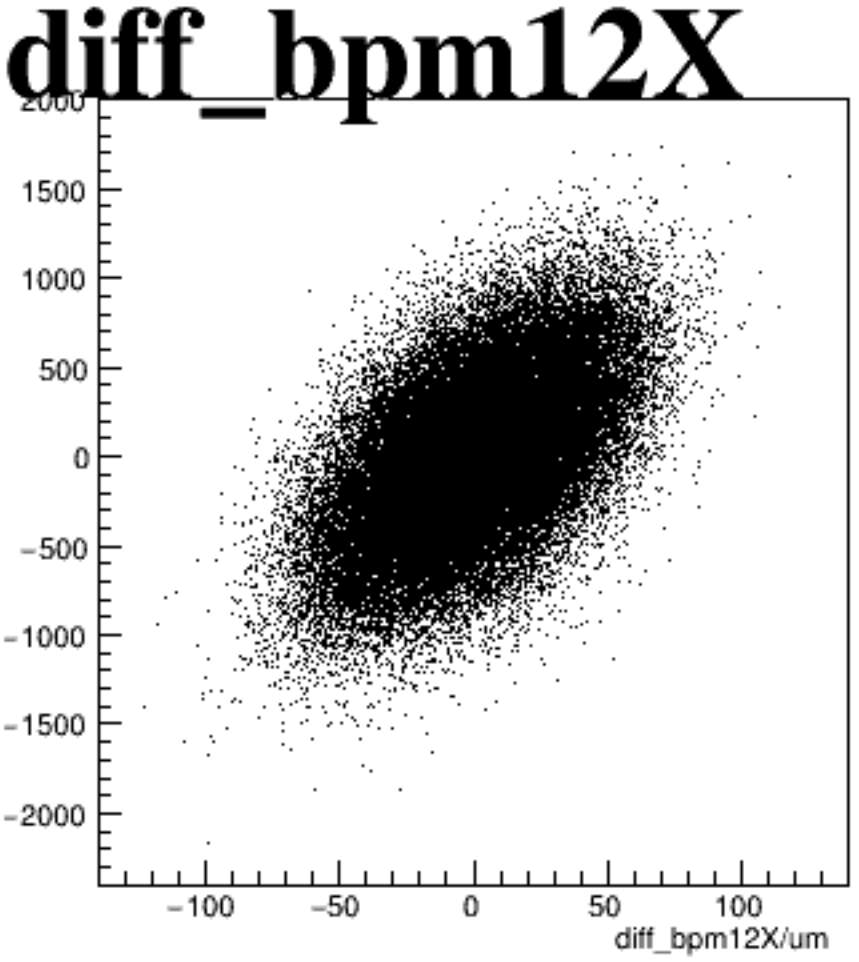
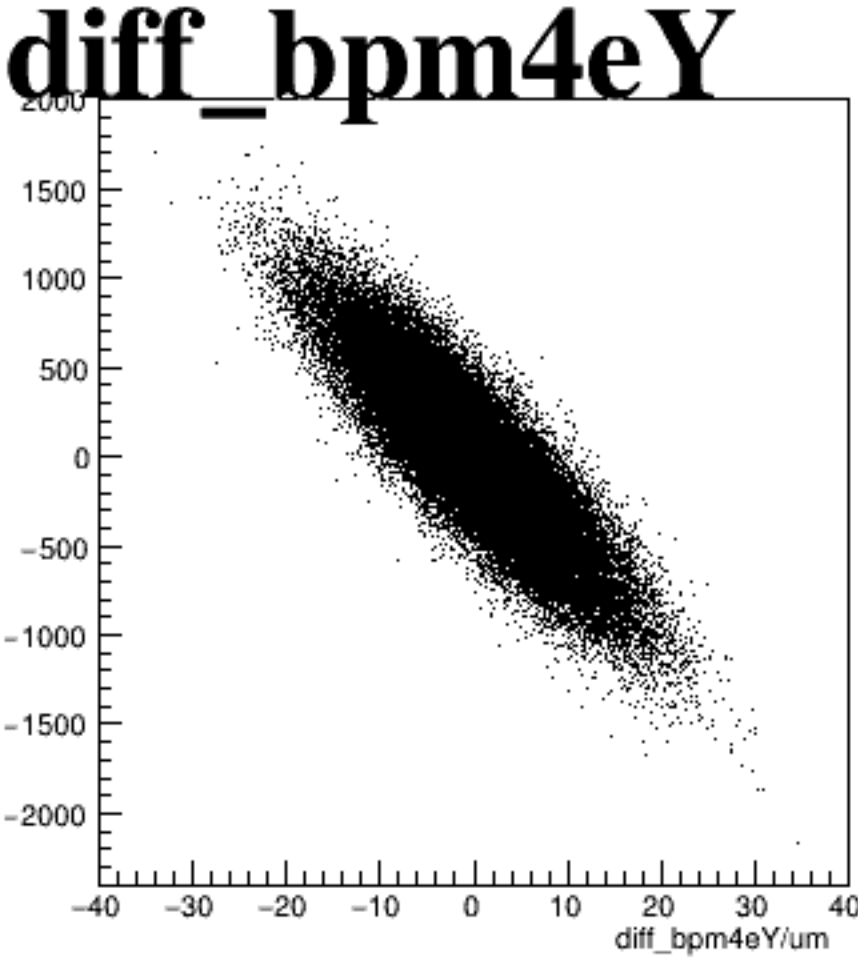
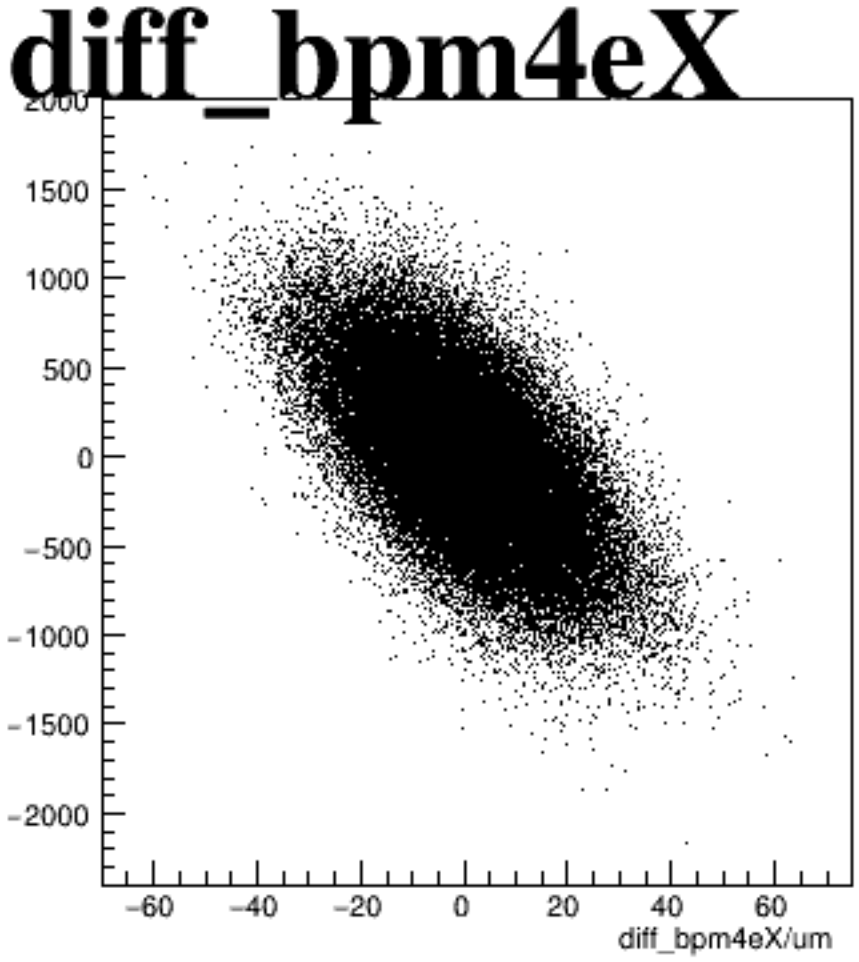
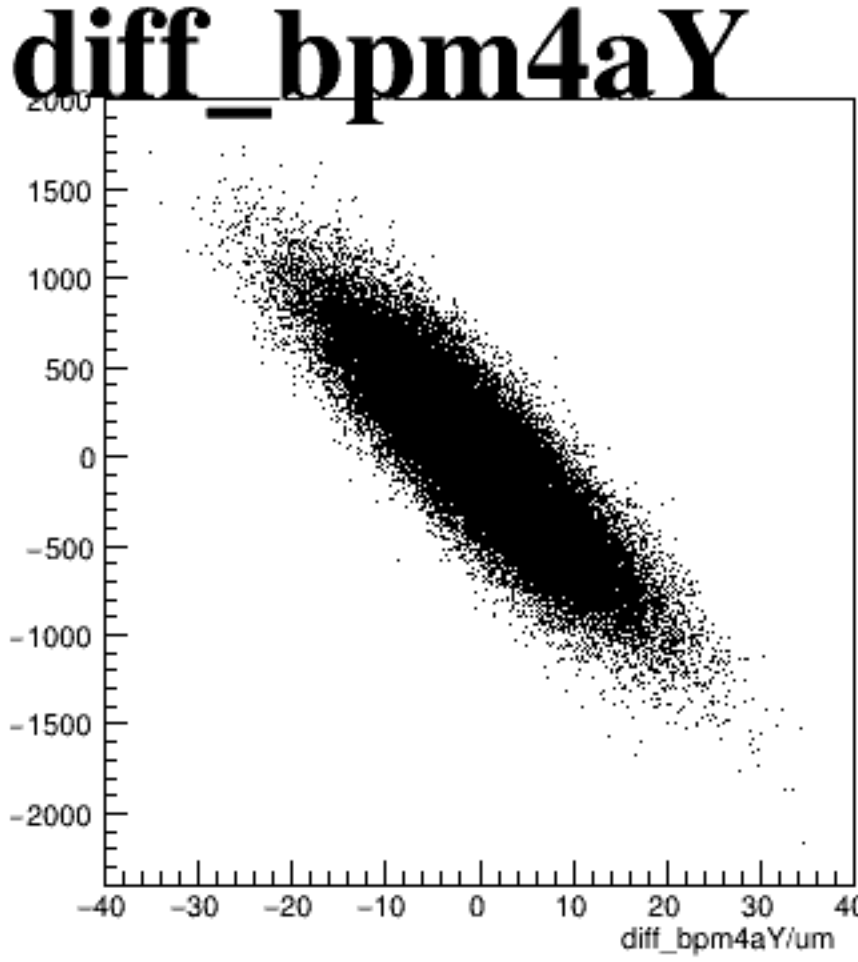
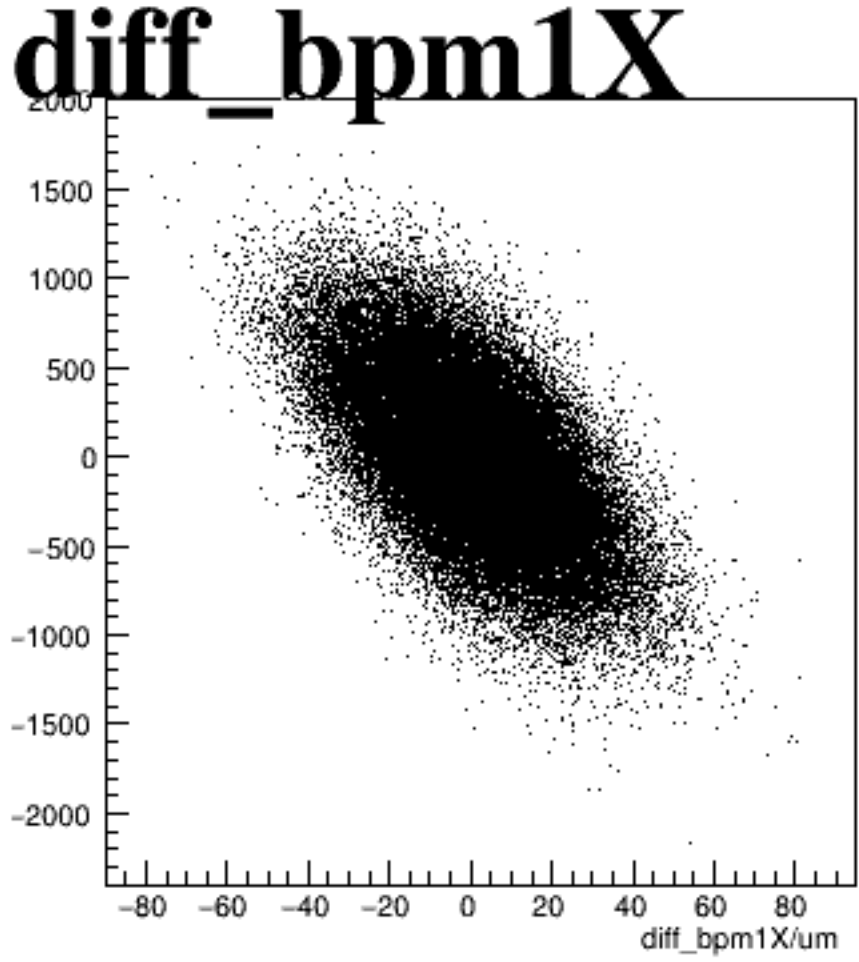
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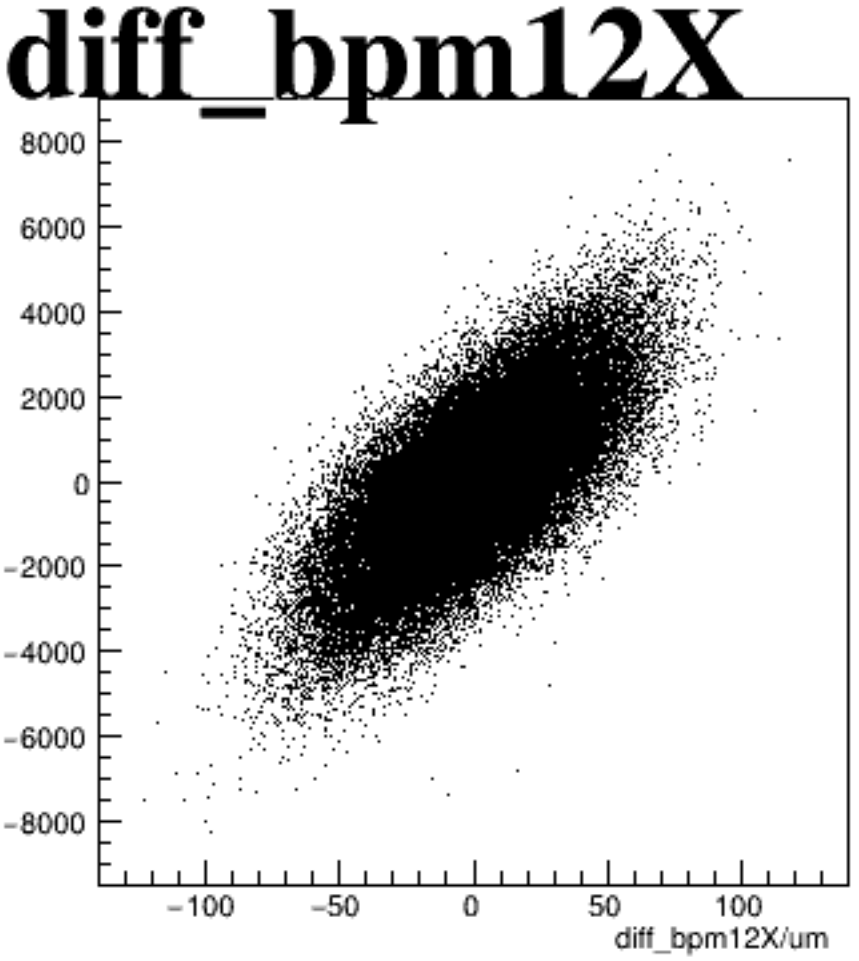
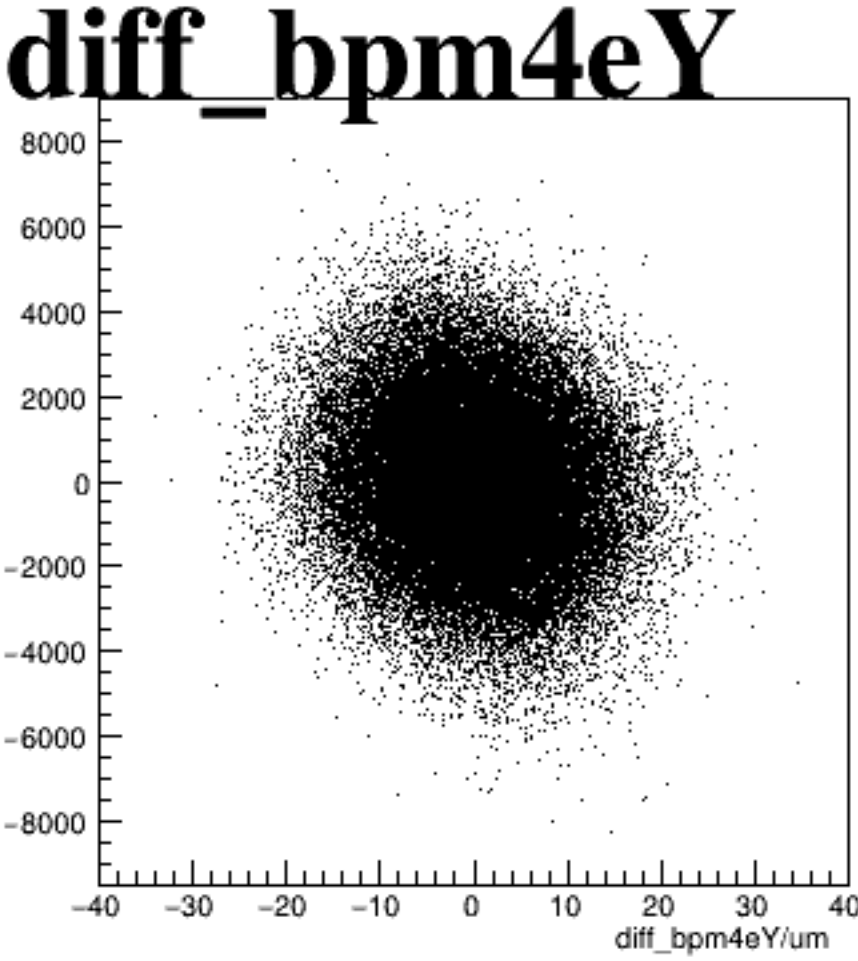
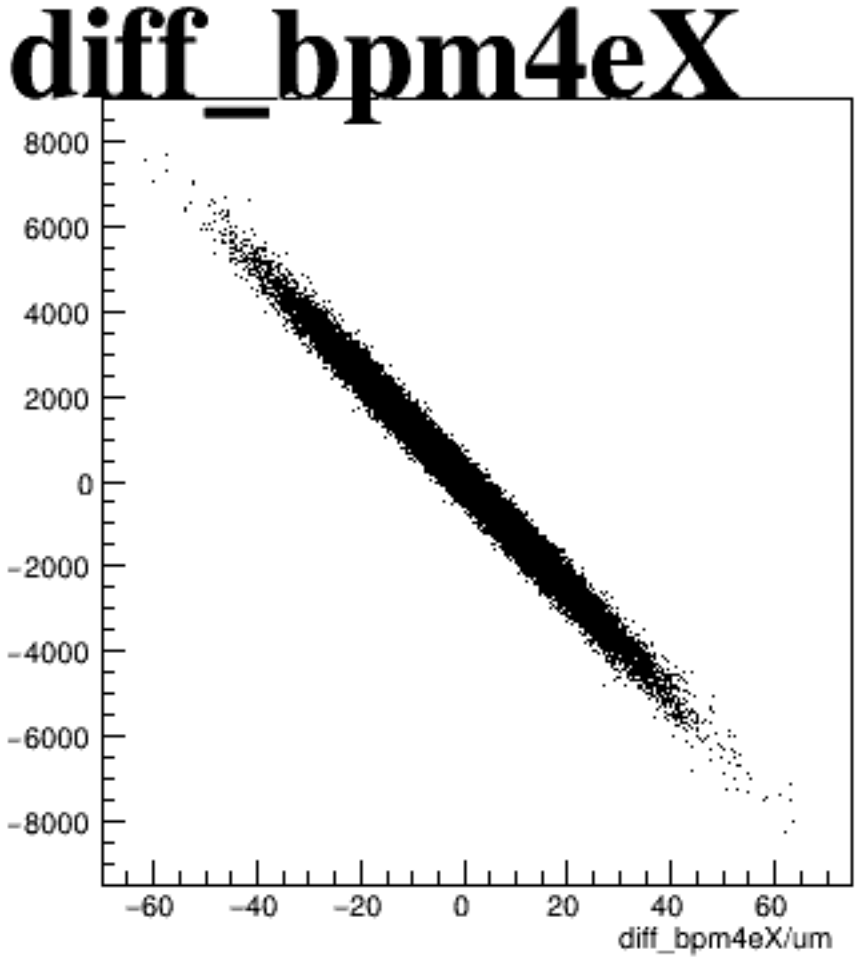
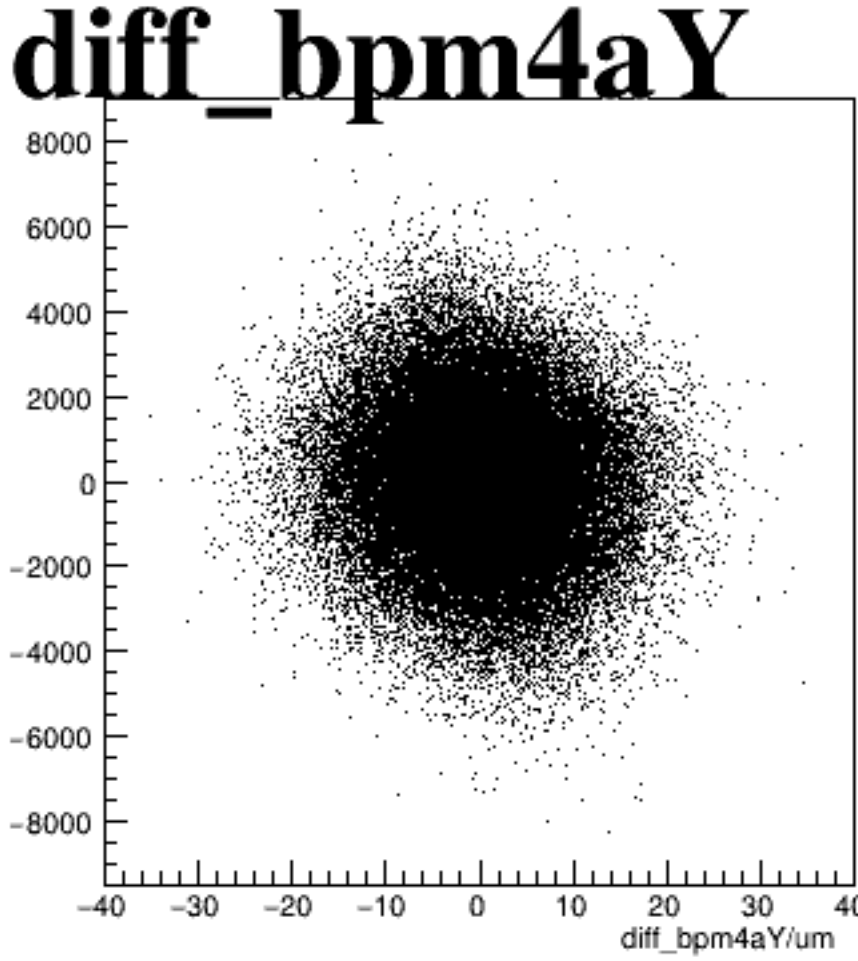
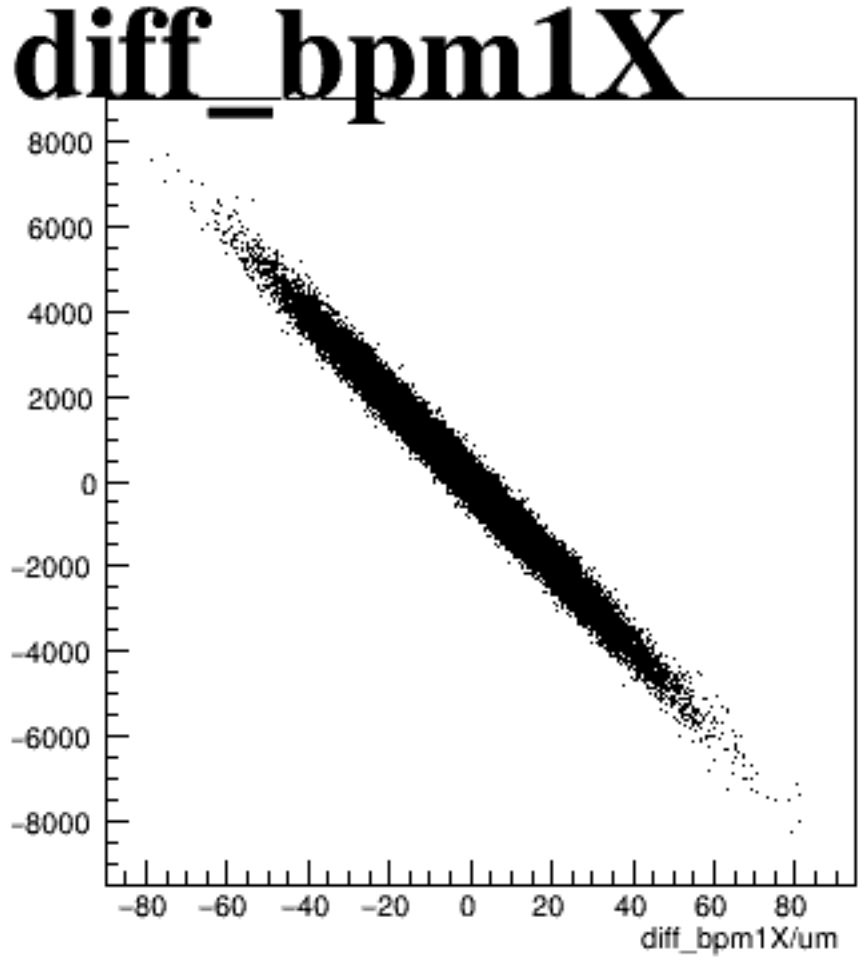
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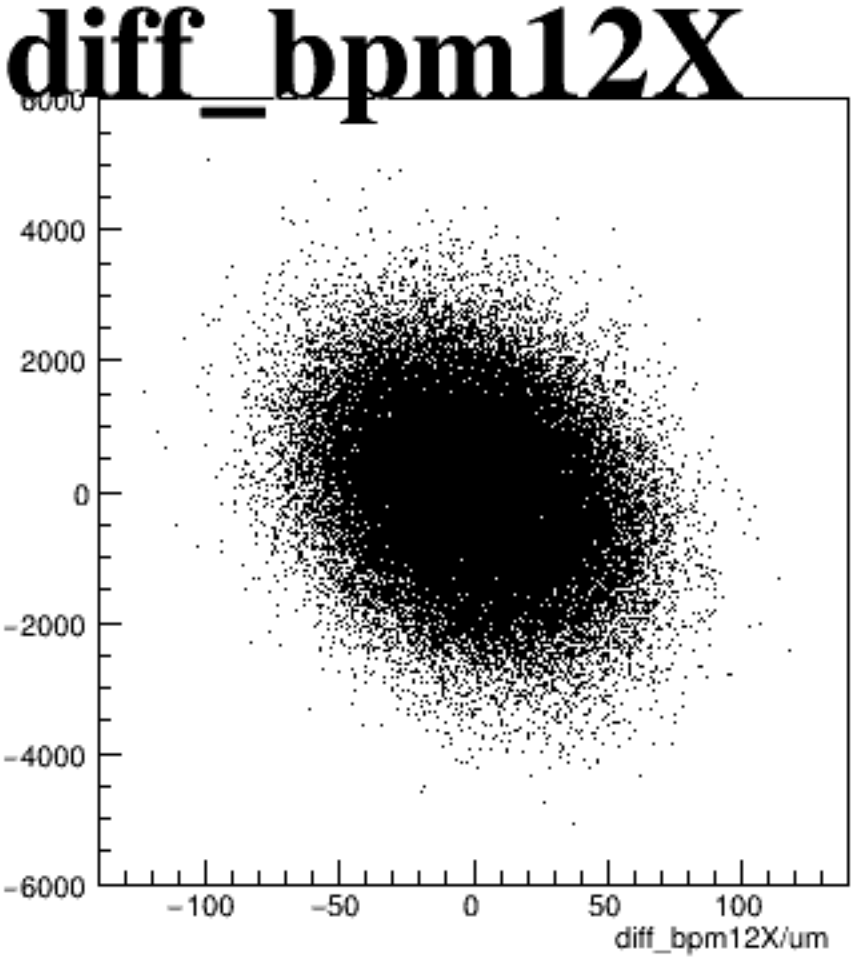
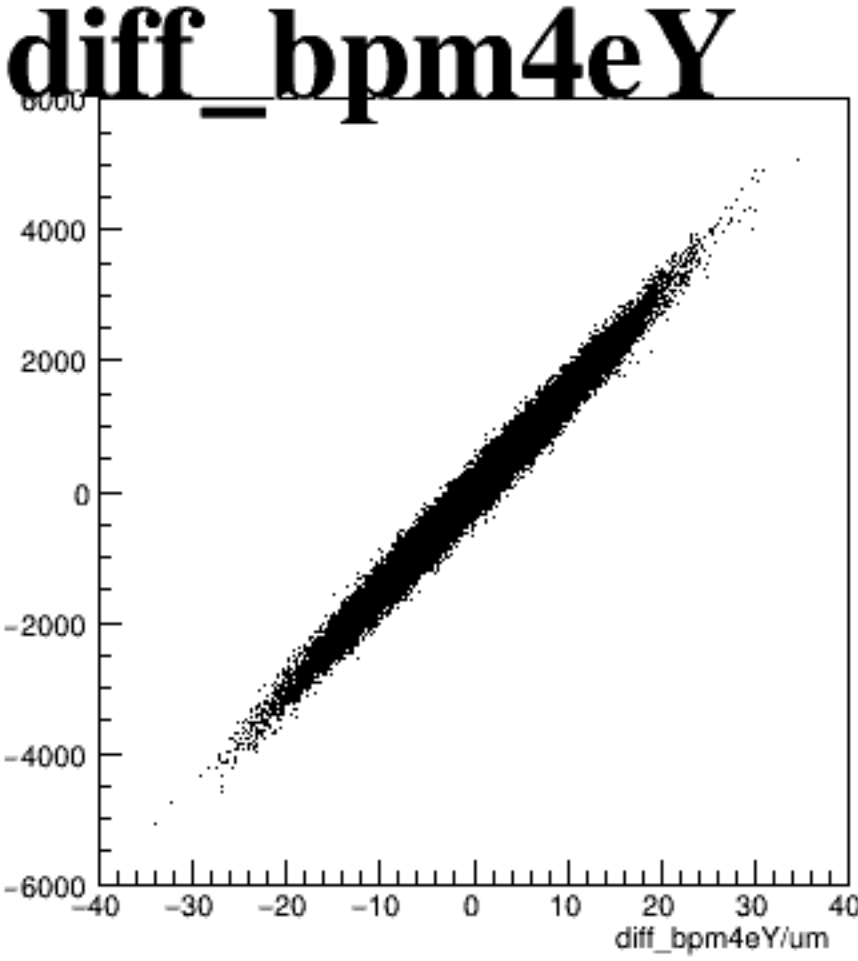
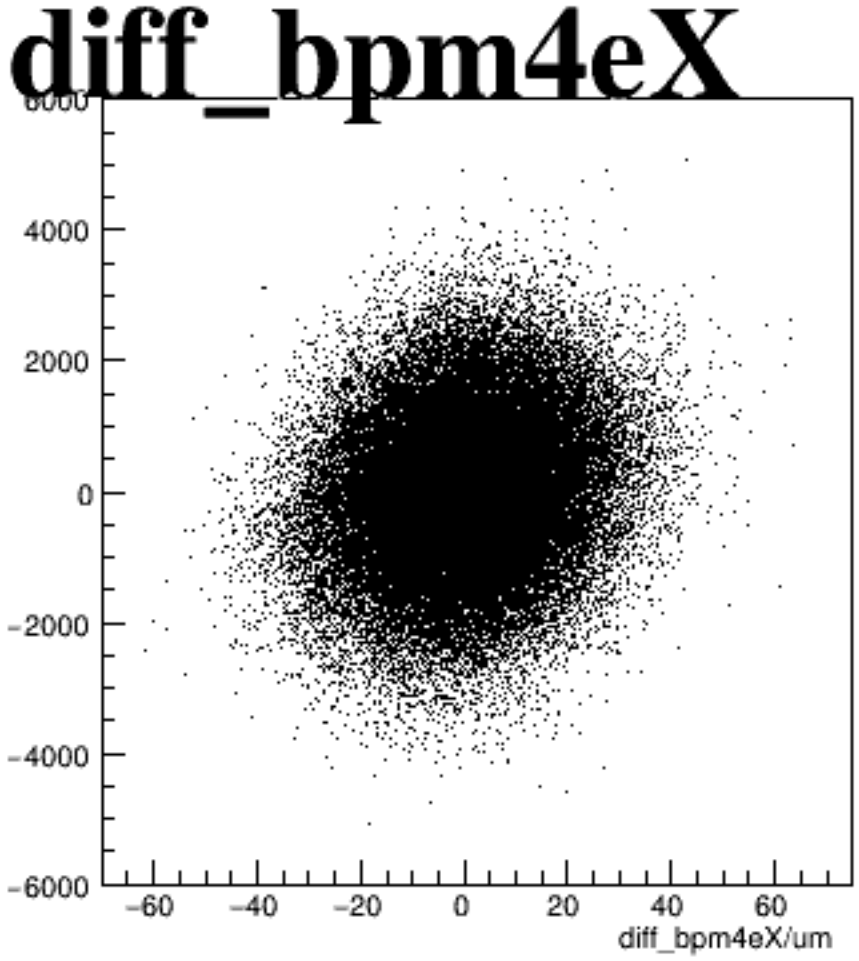
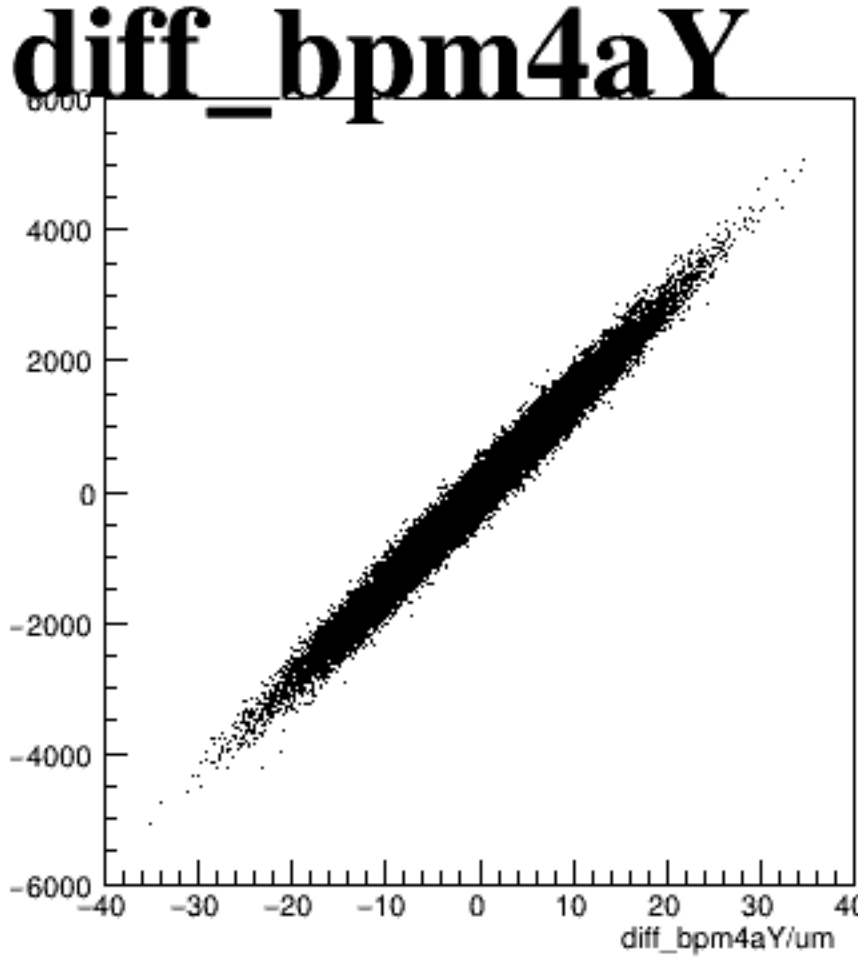
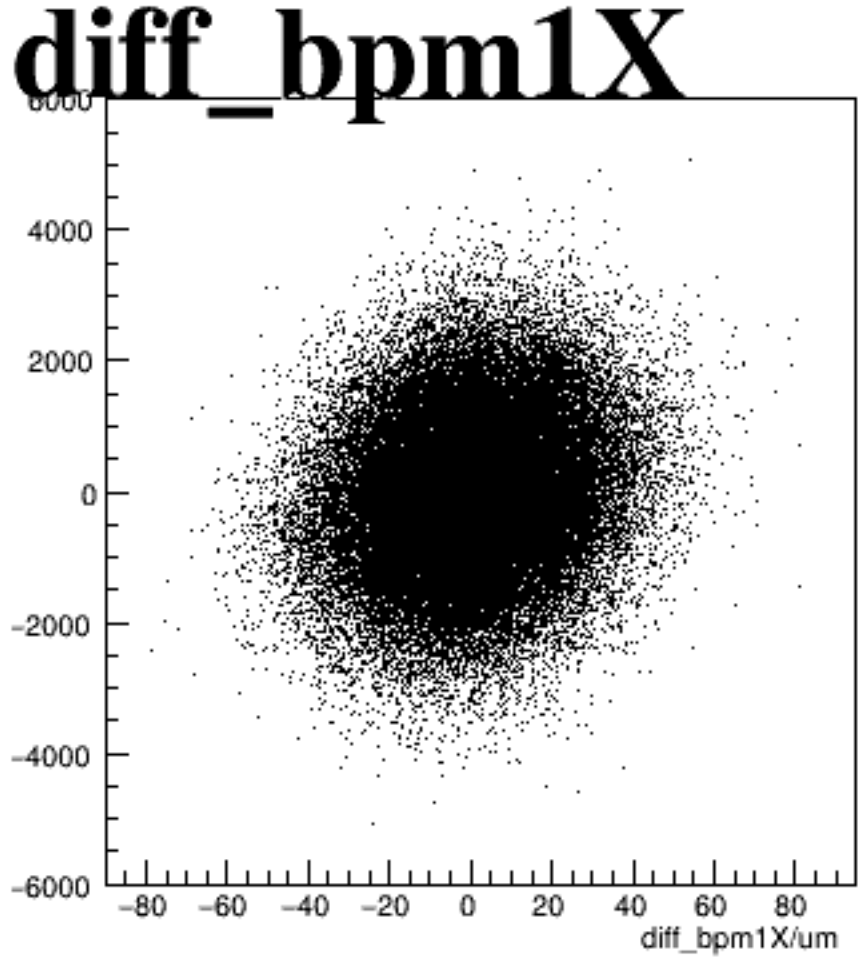
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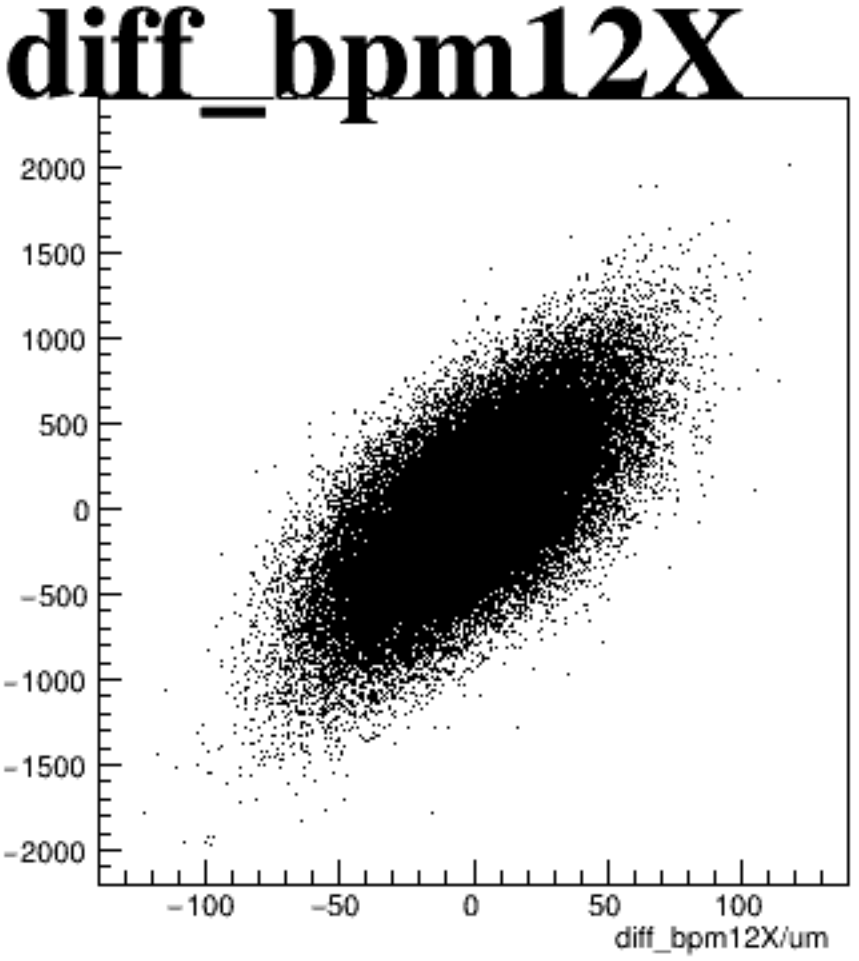
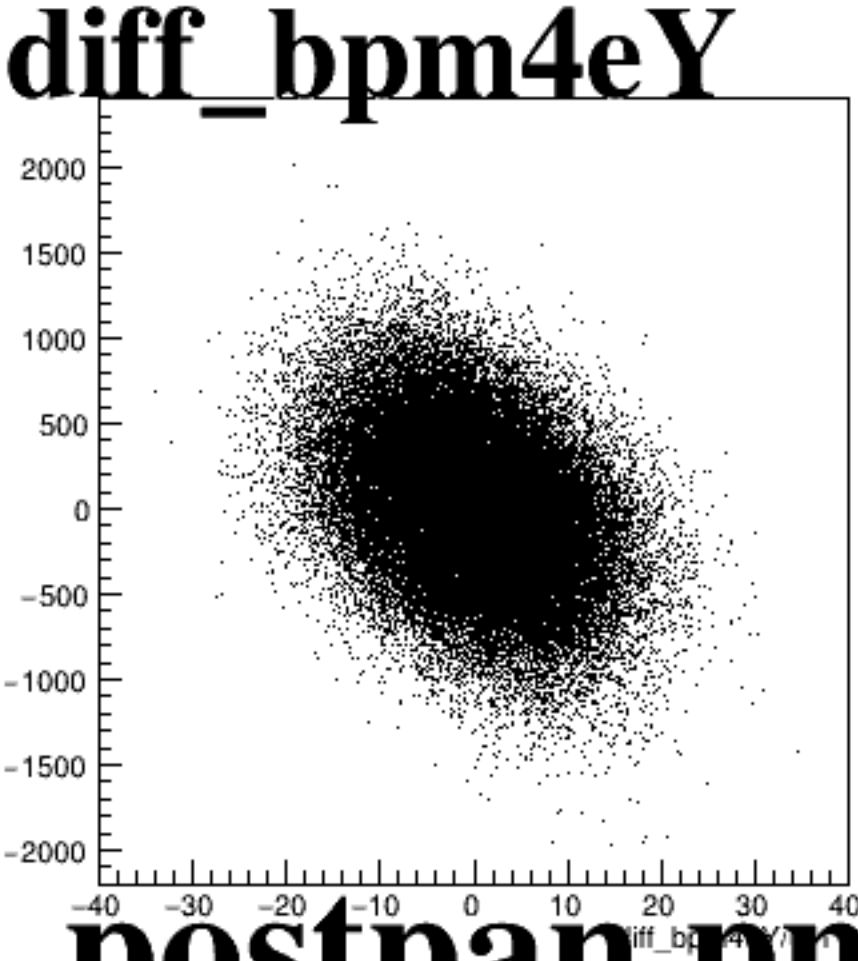
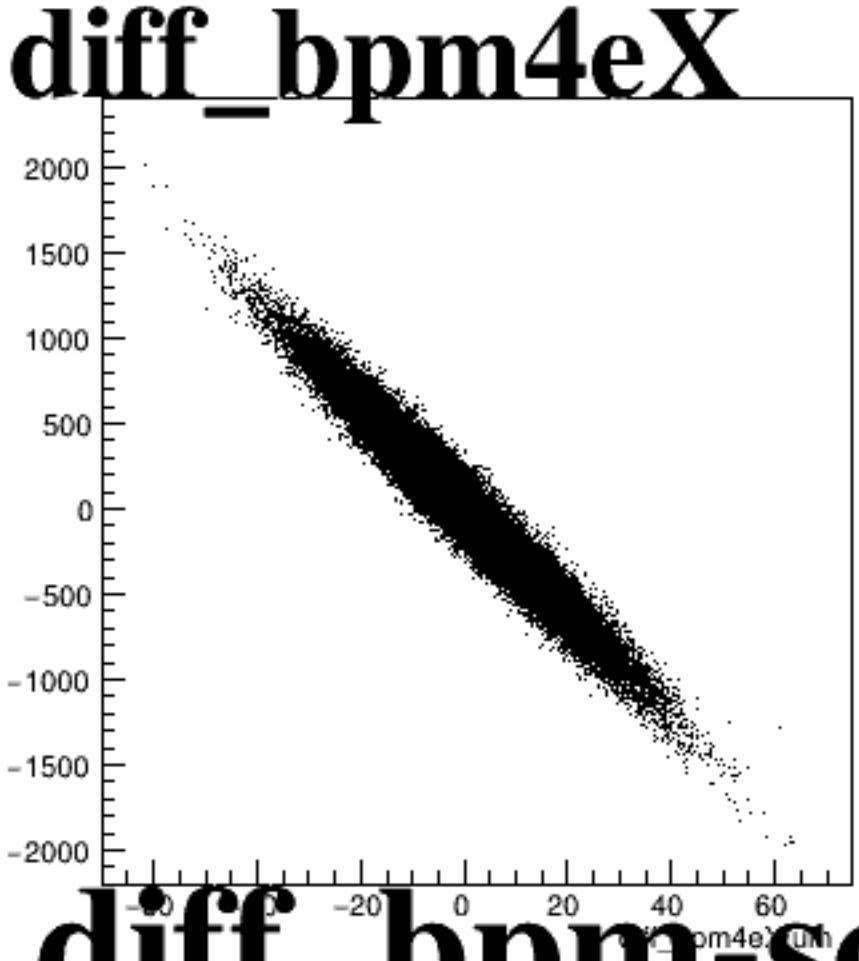
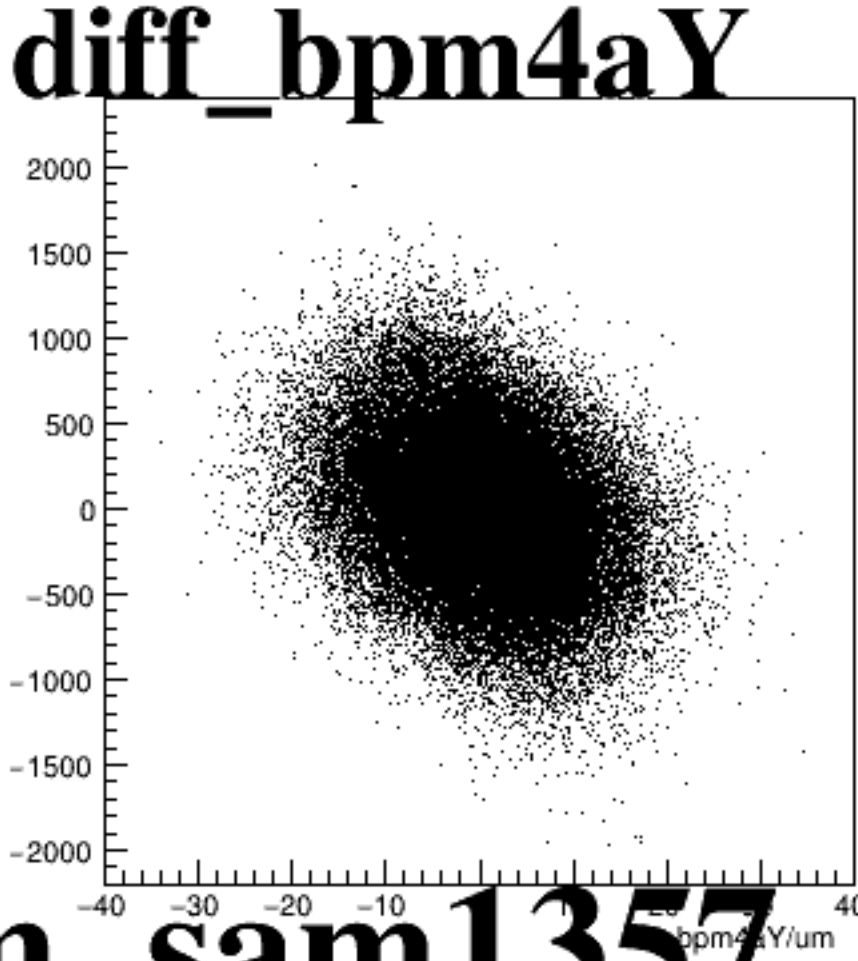
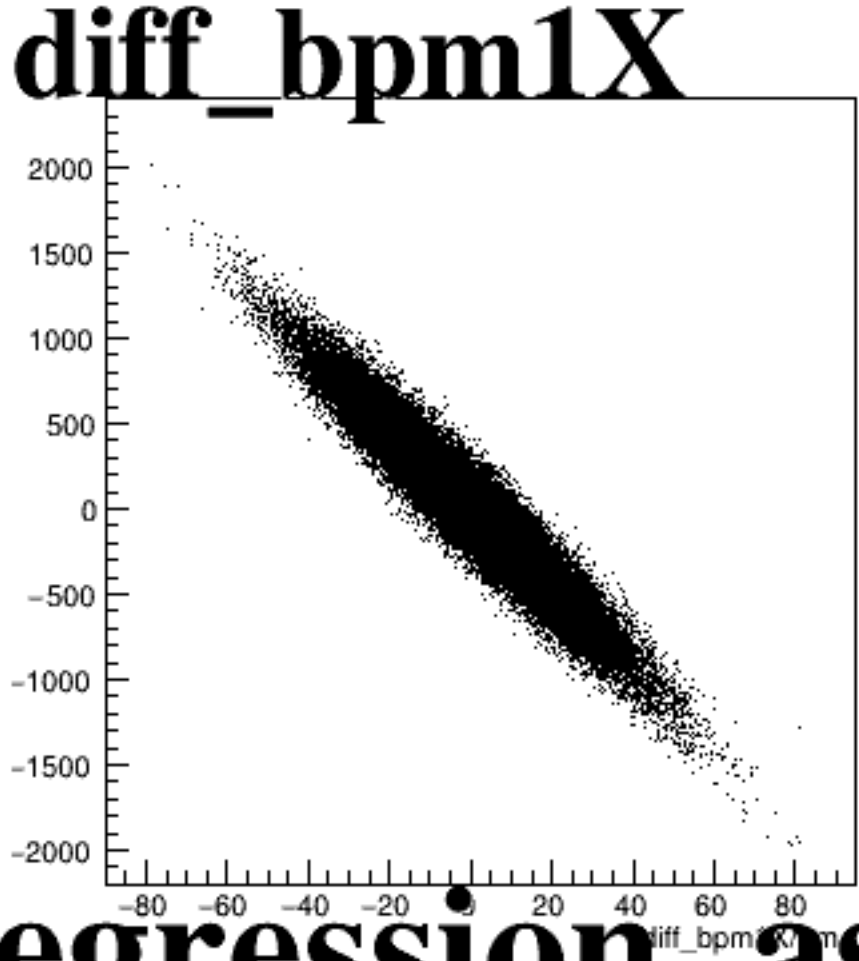
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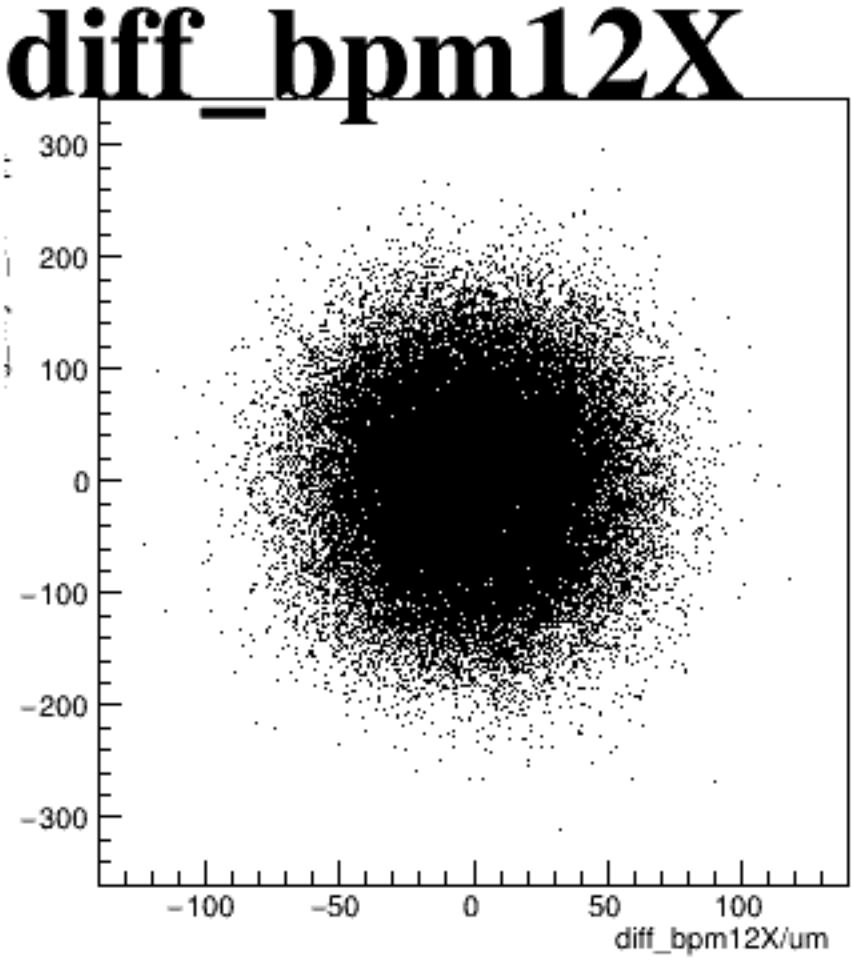
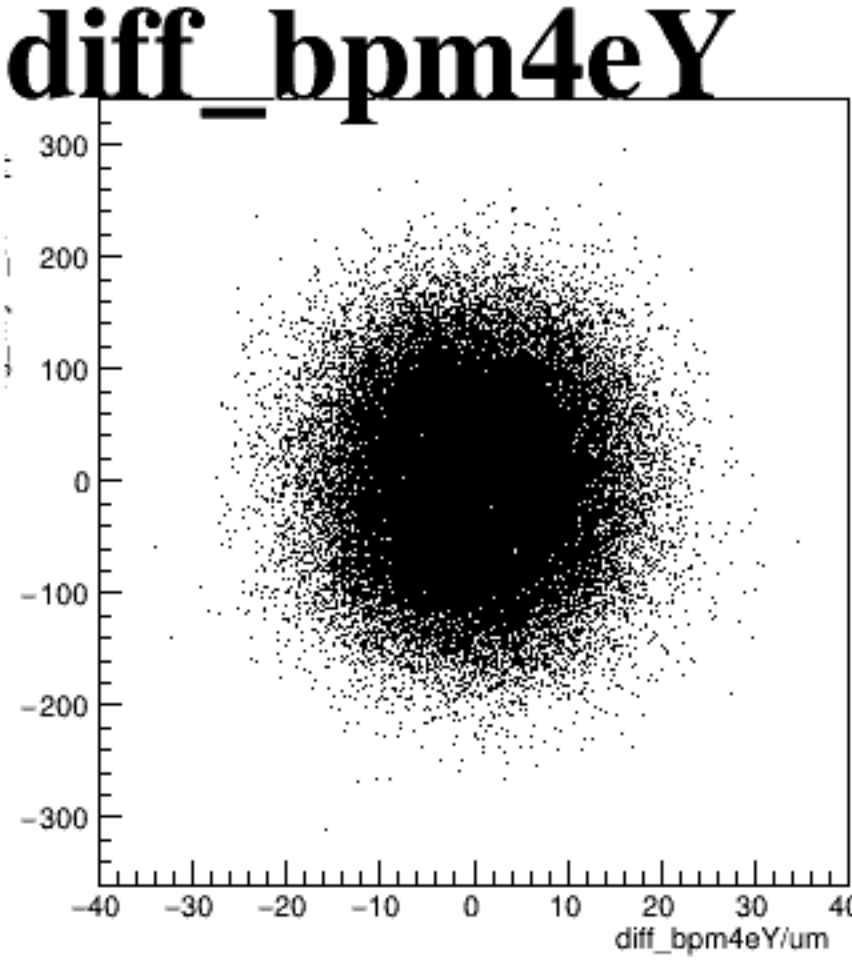
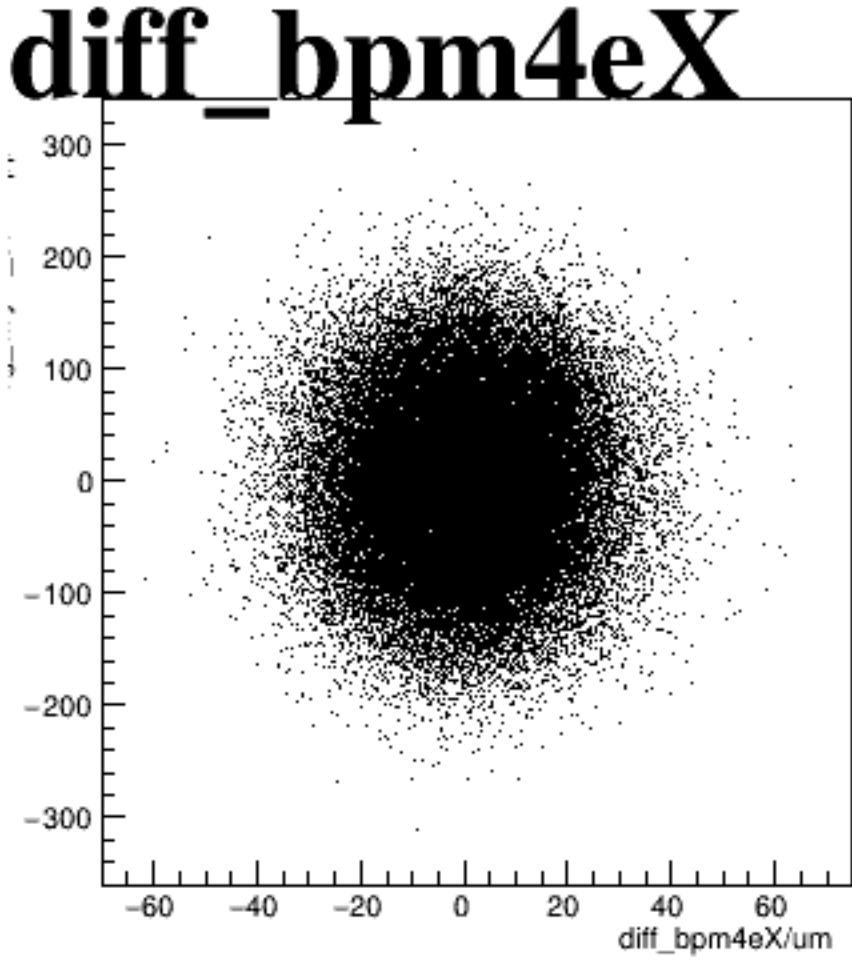
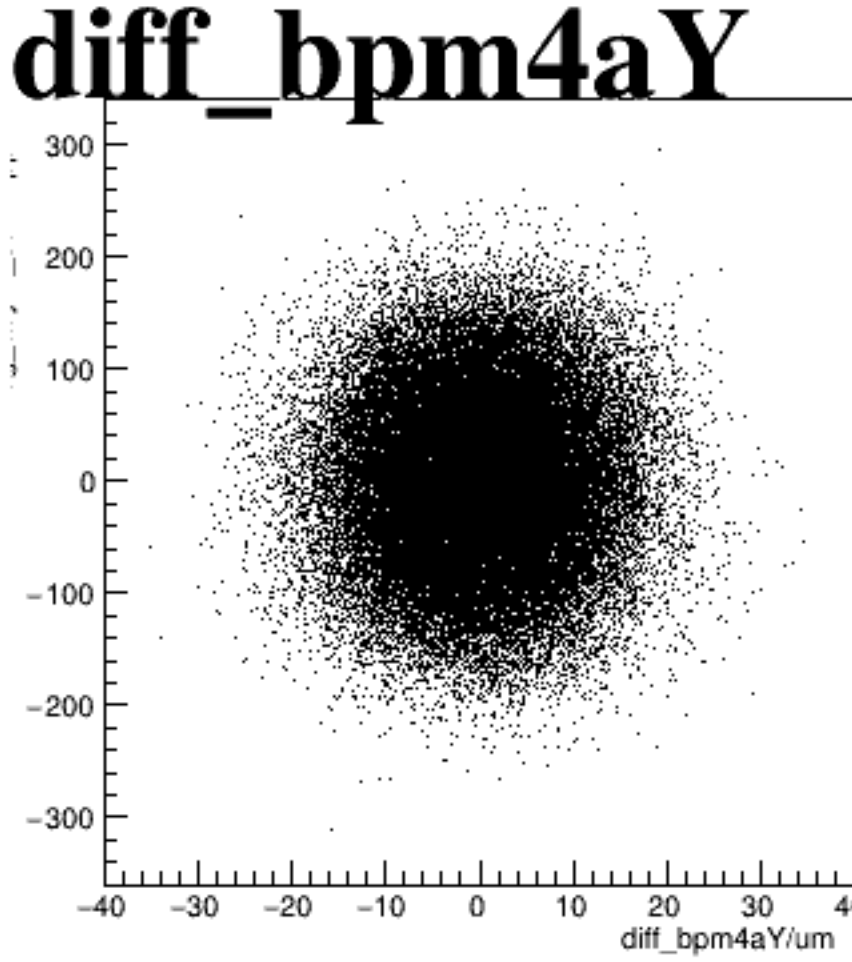
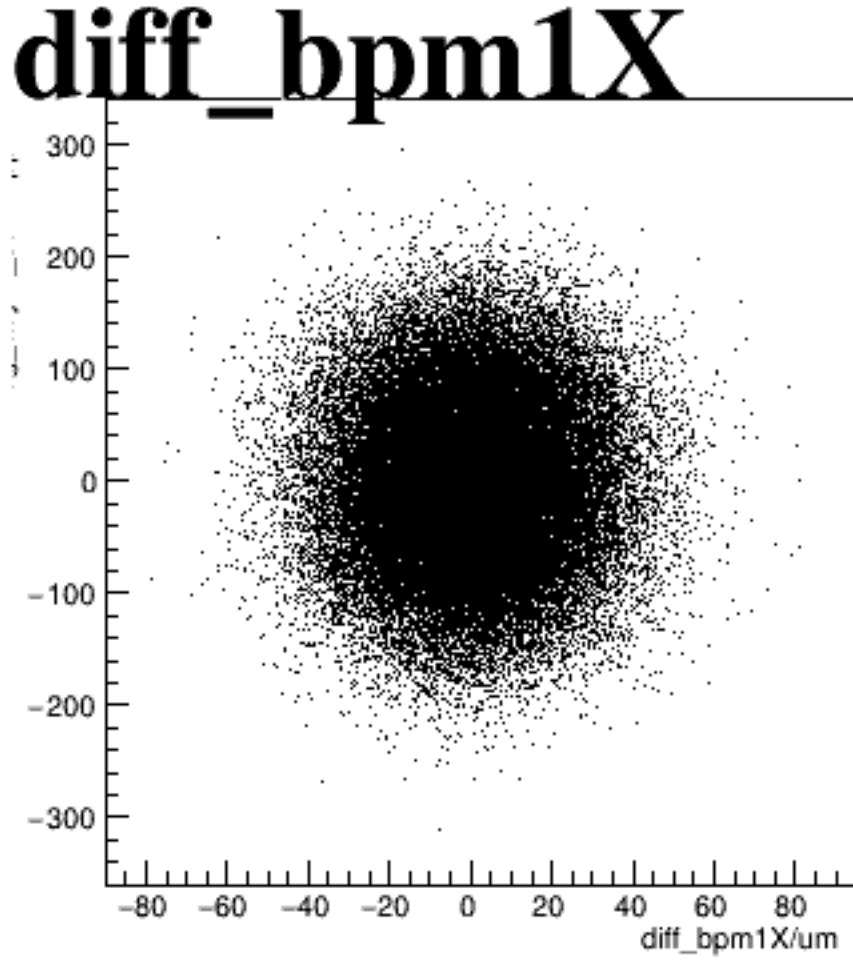
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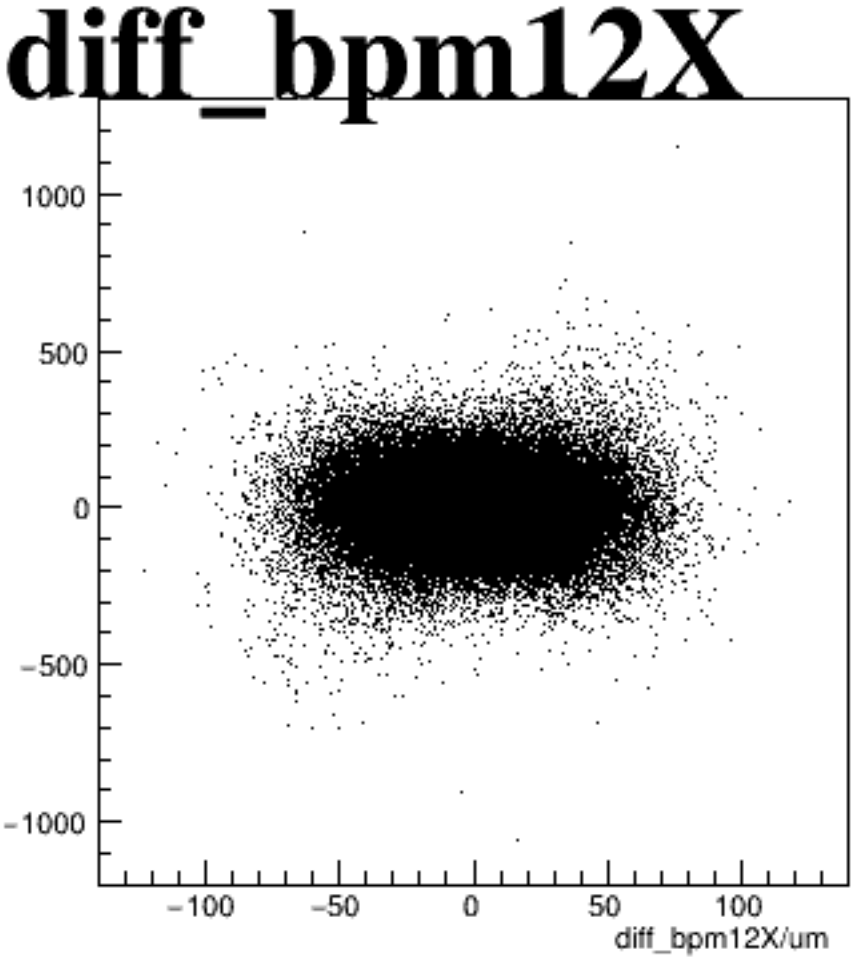
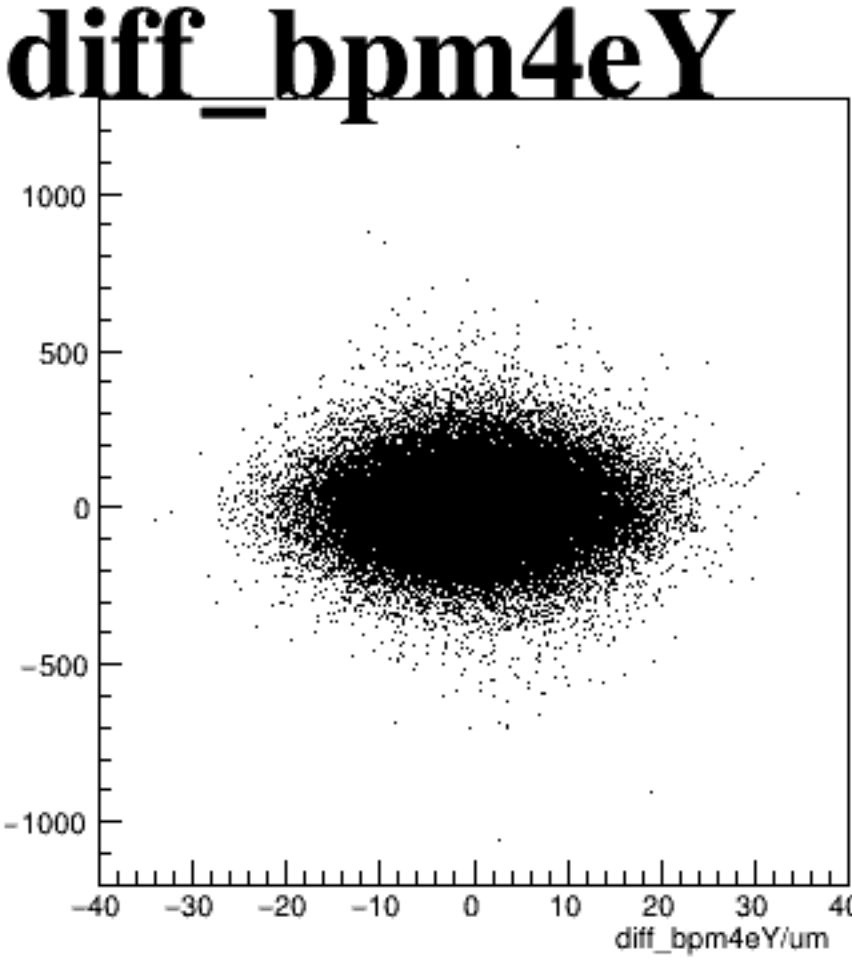
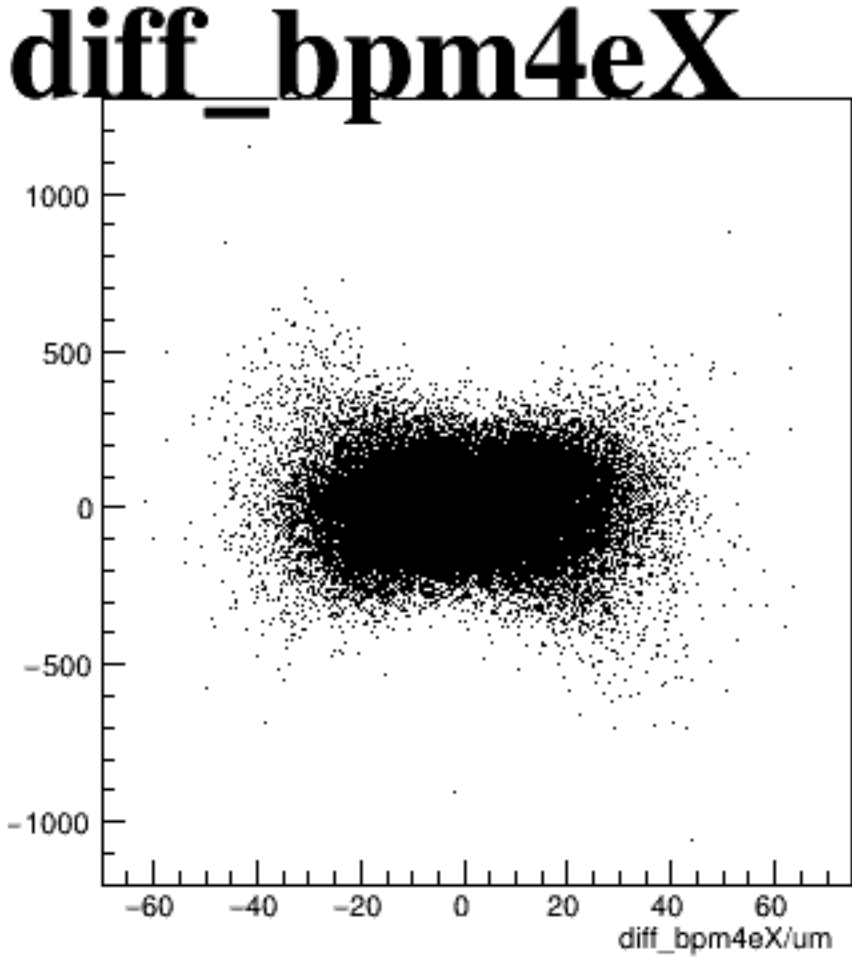
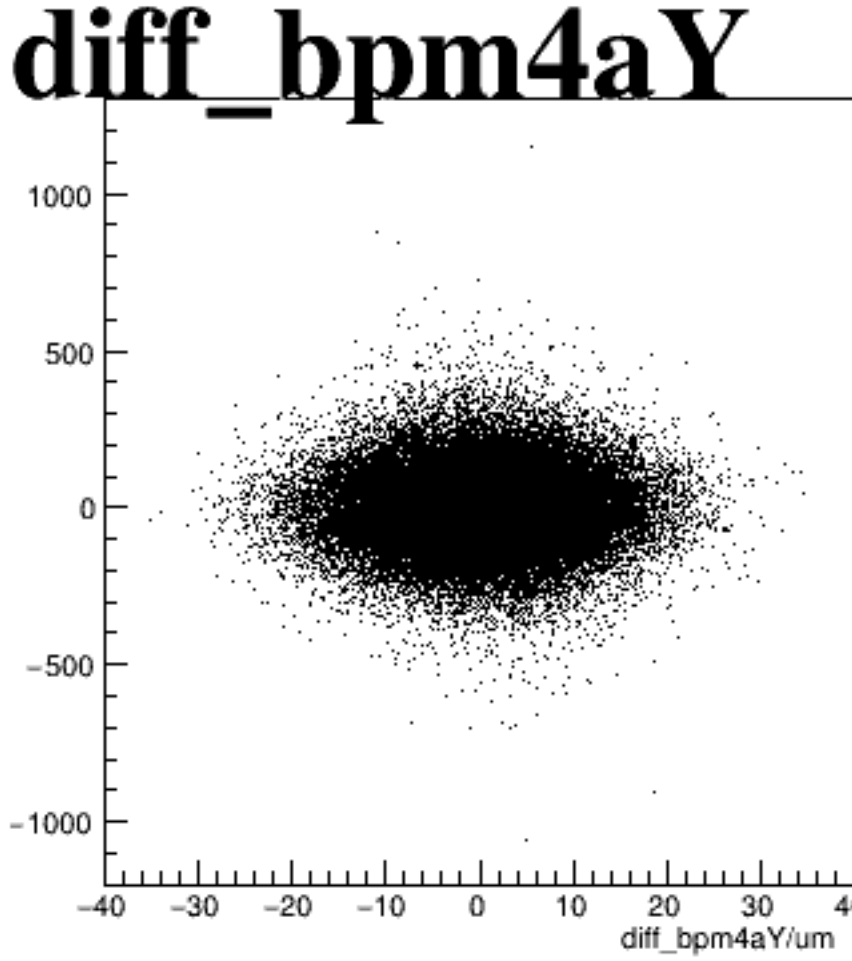
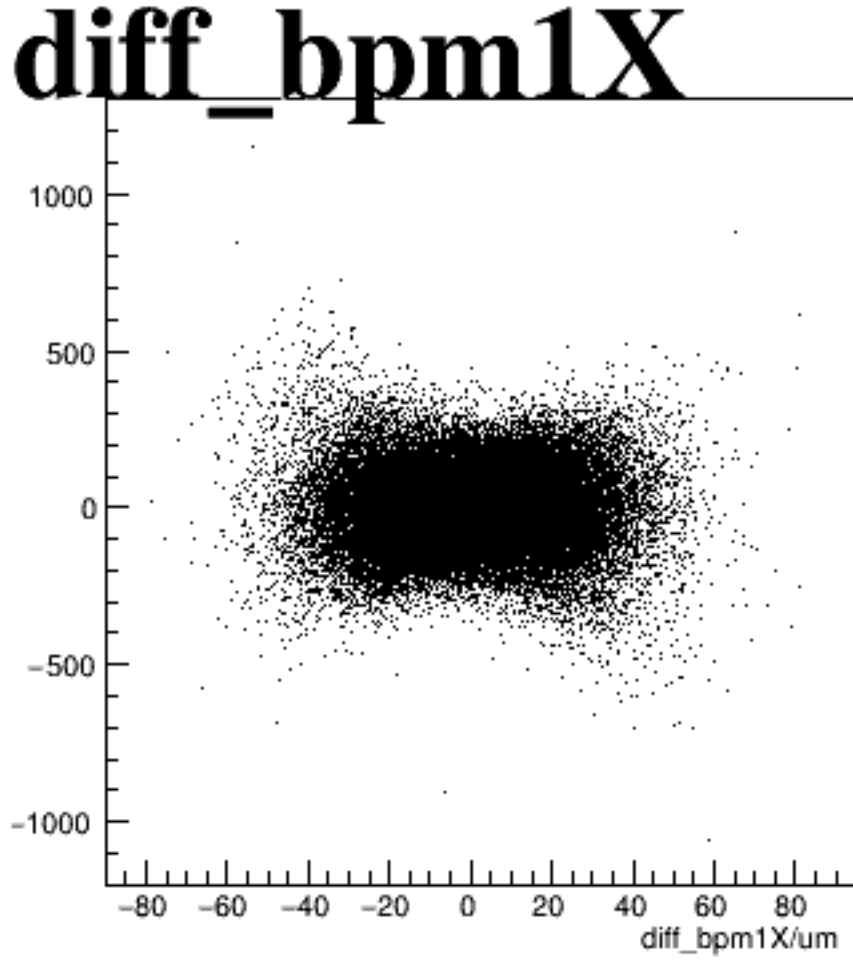
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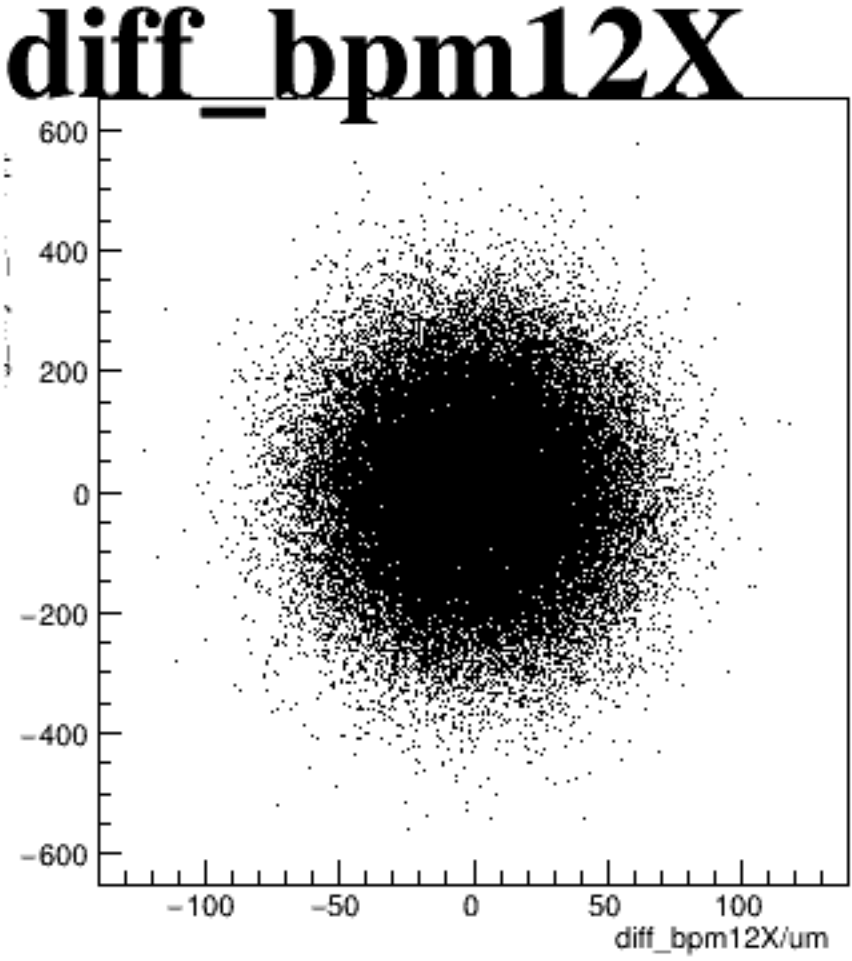
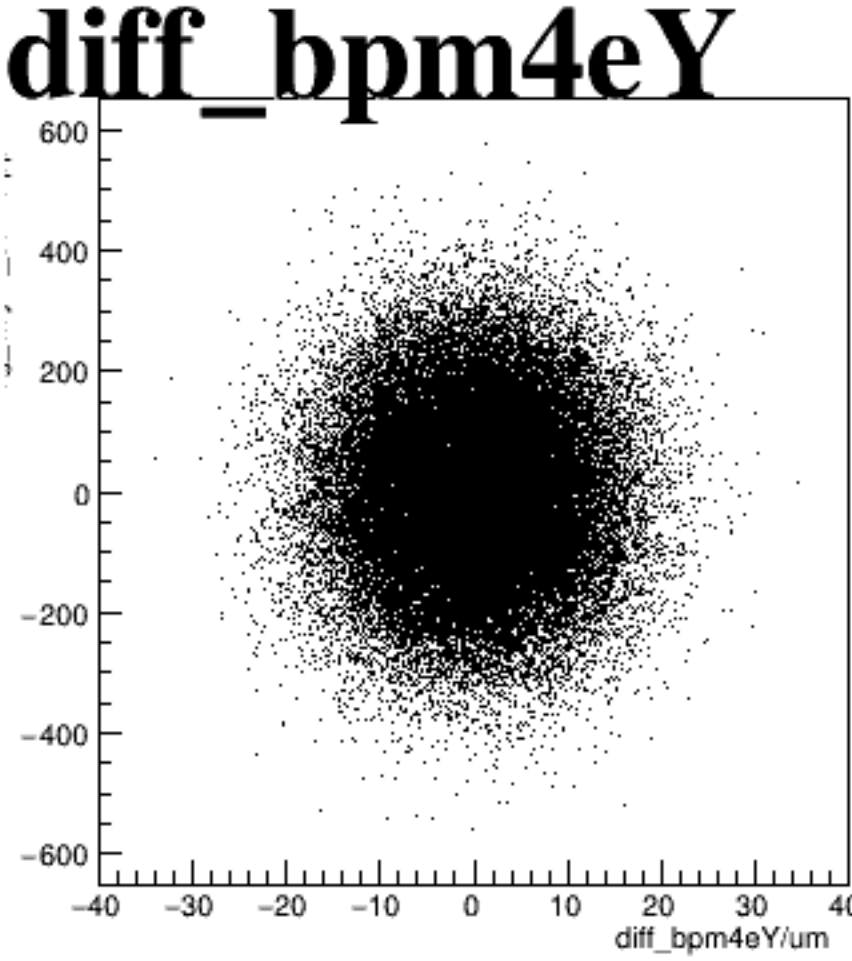
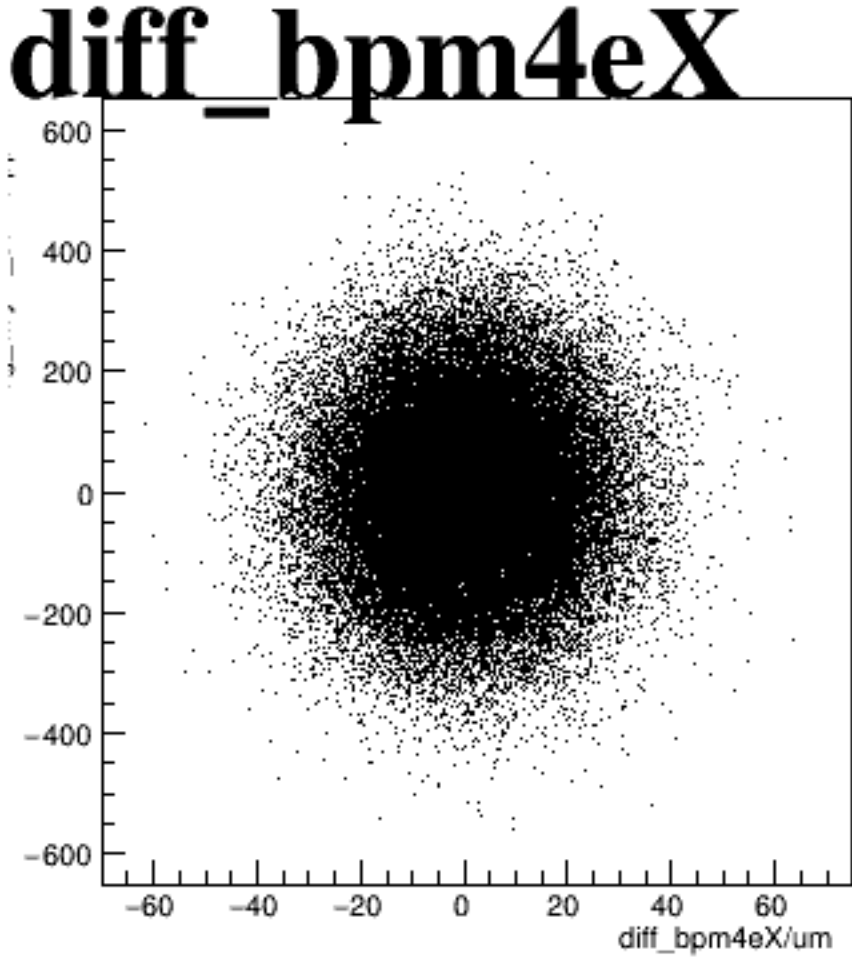
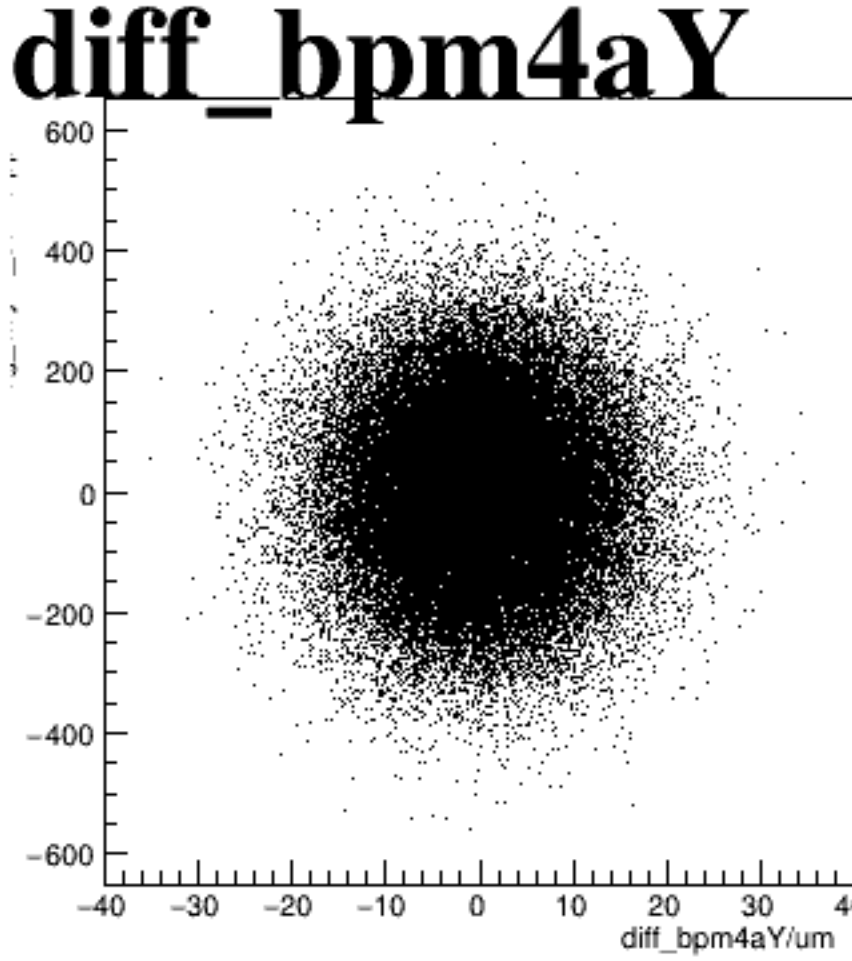
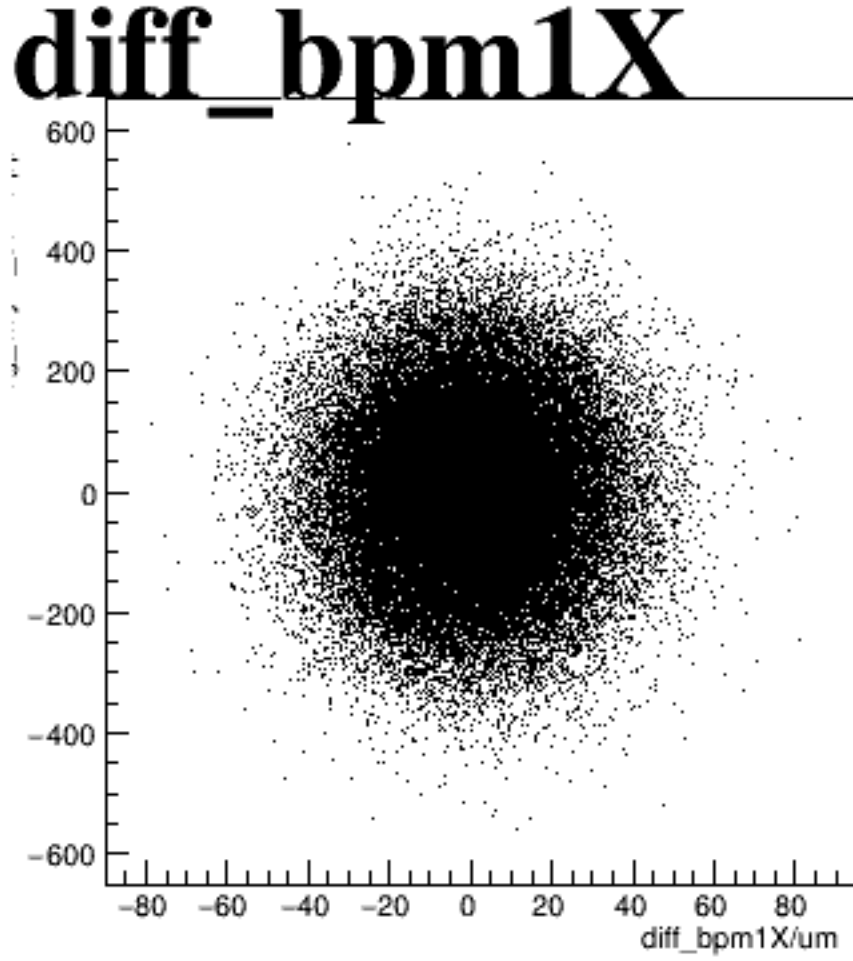
reg_asym_sam1



reg_asym_sam3



reg_asym_sam5



reg_asym_sam7

