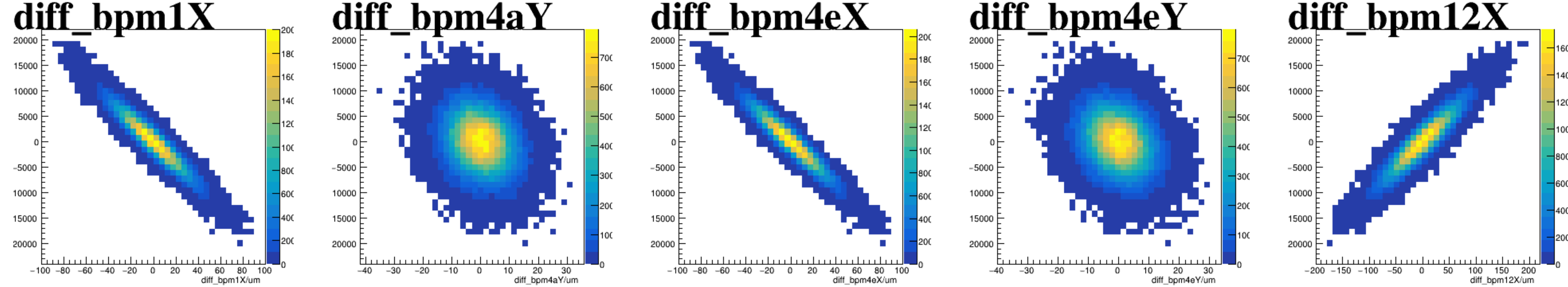
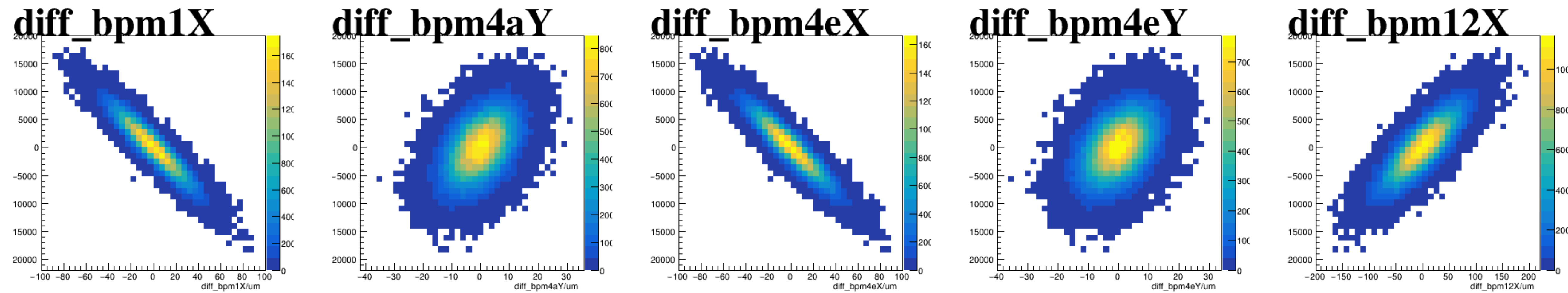


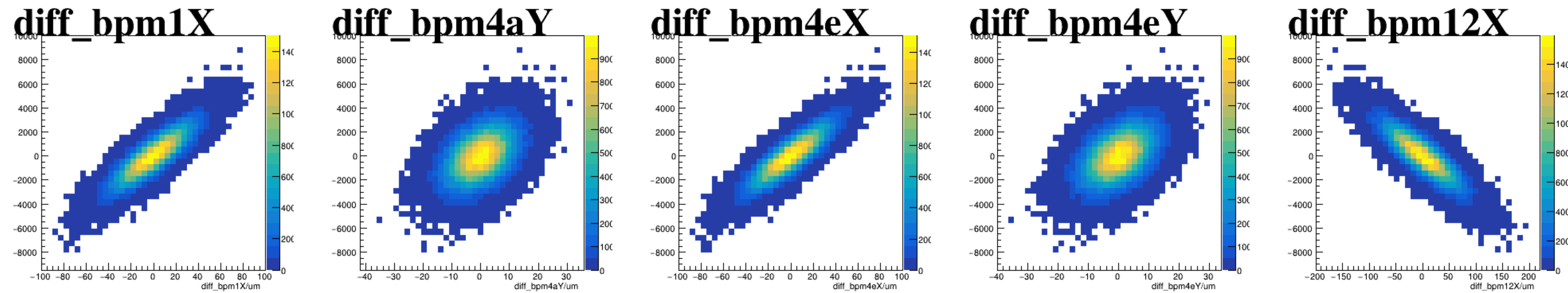
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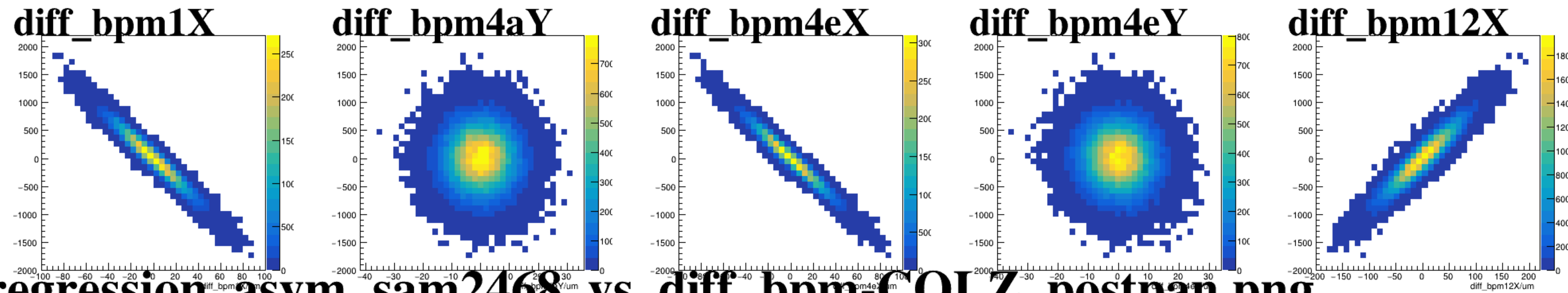
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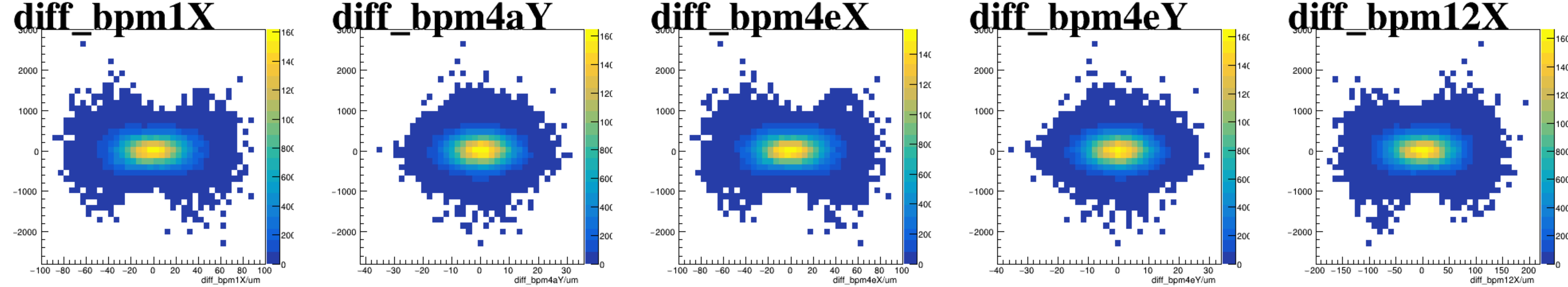
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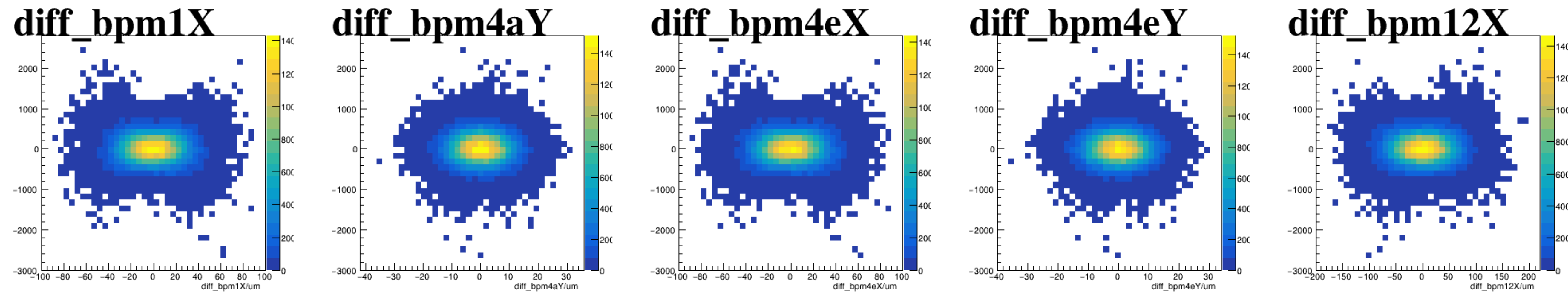
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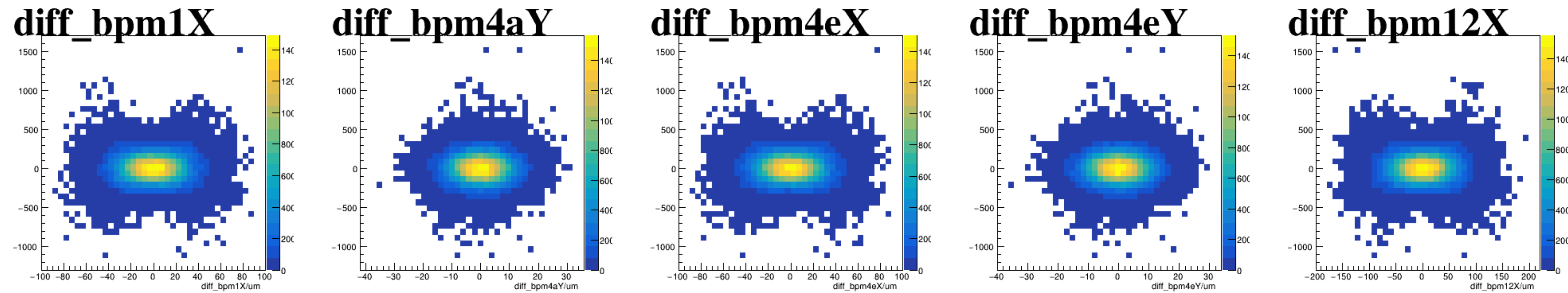
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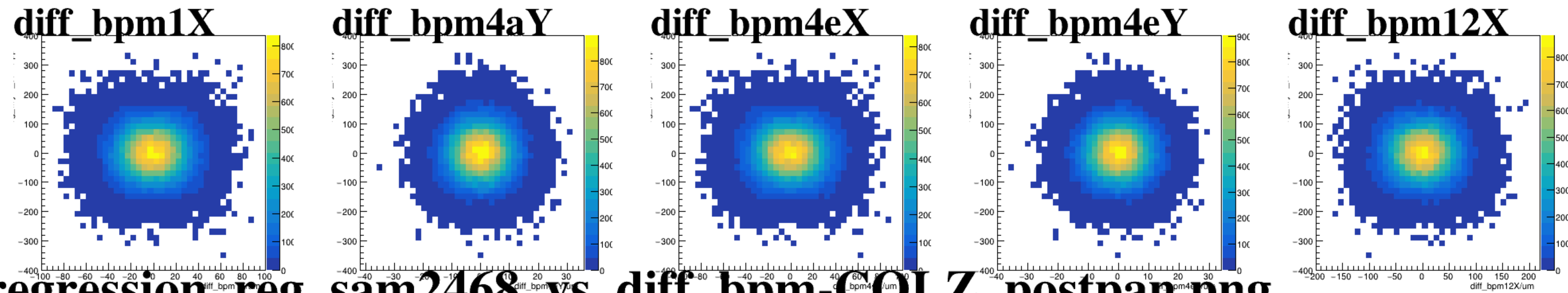
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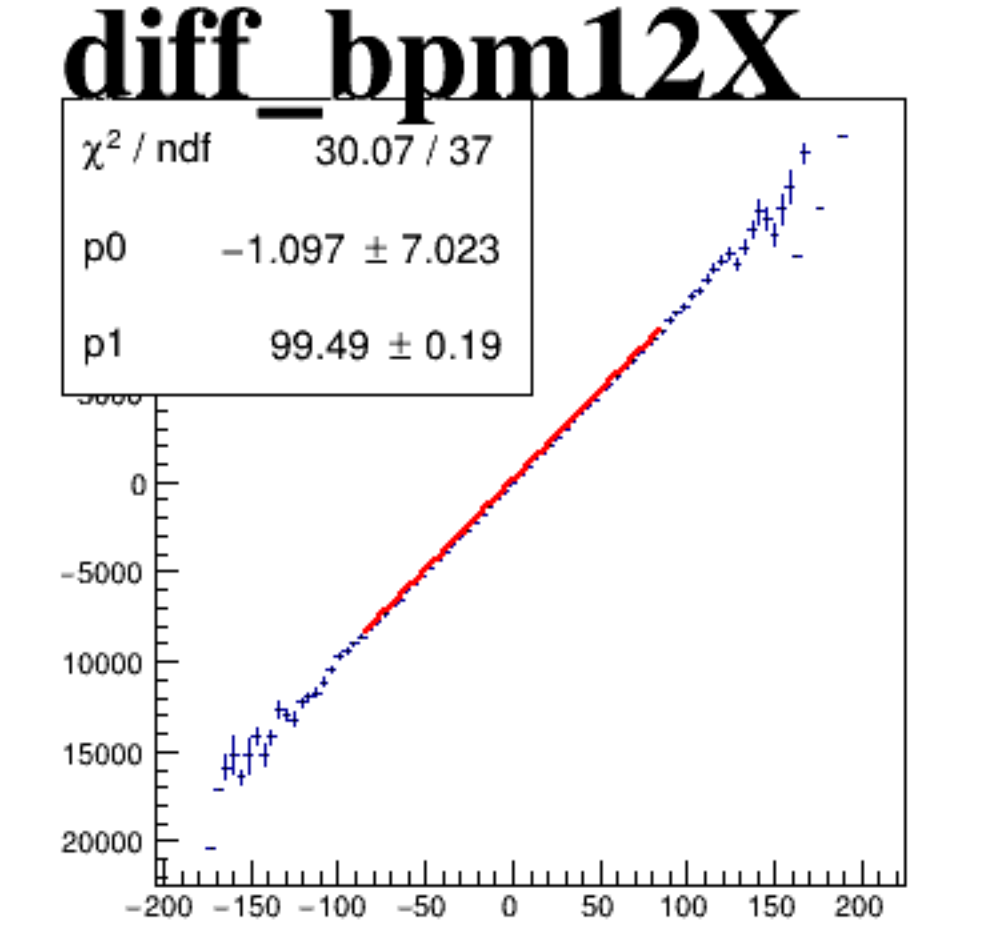
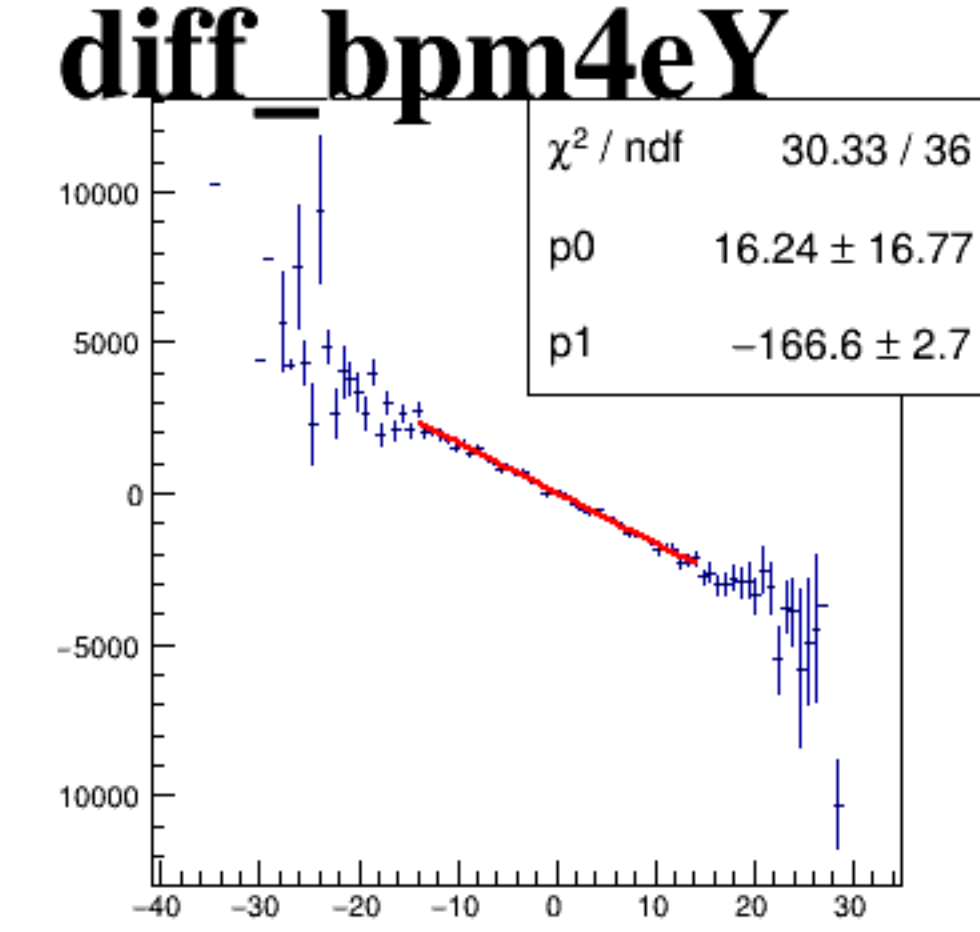
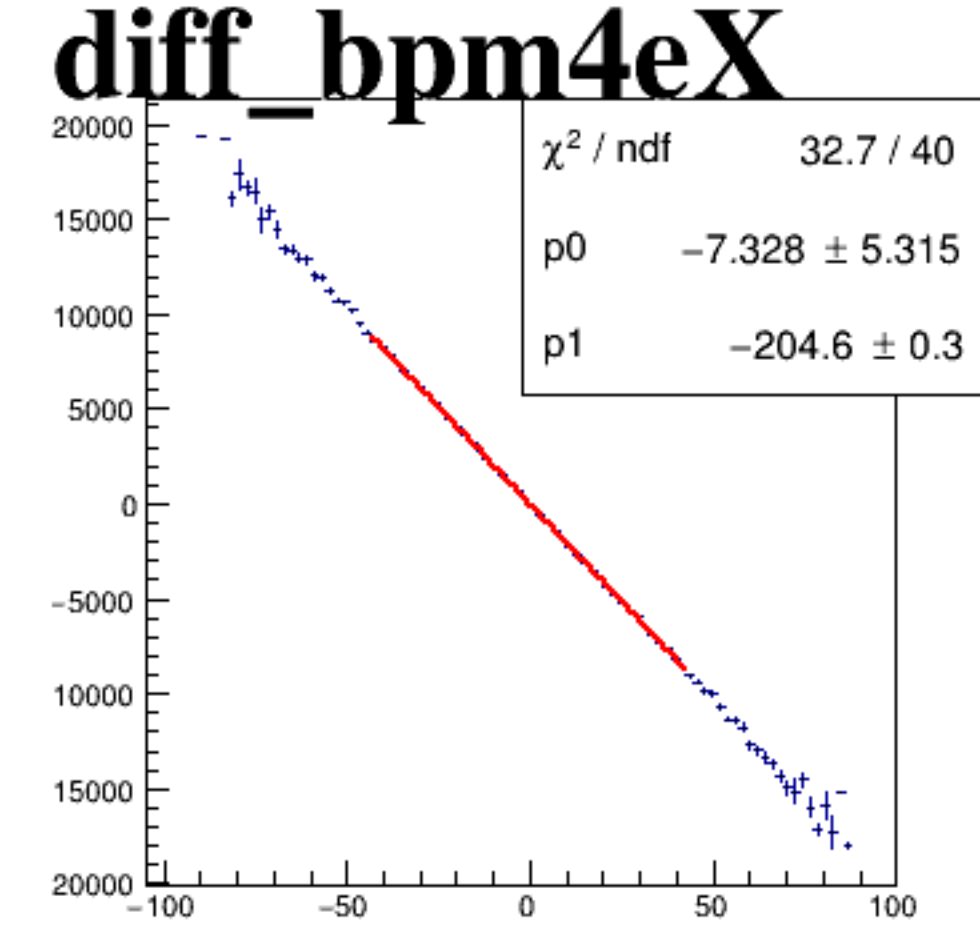
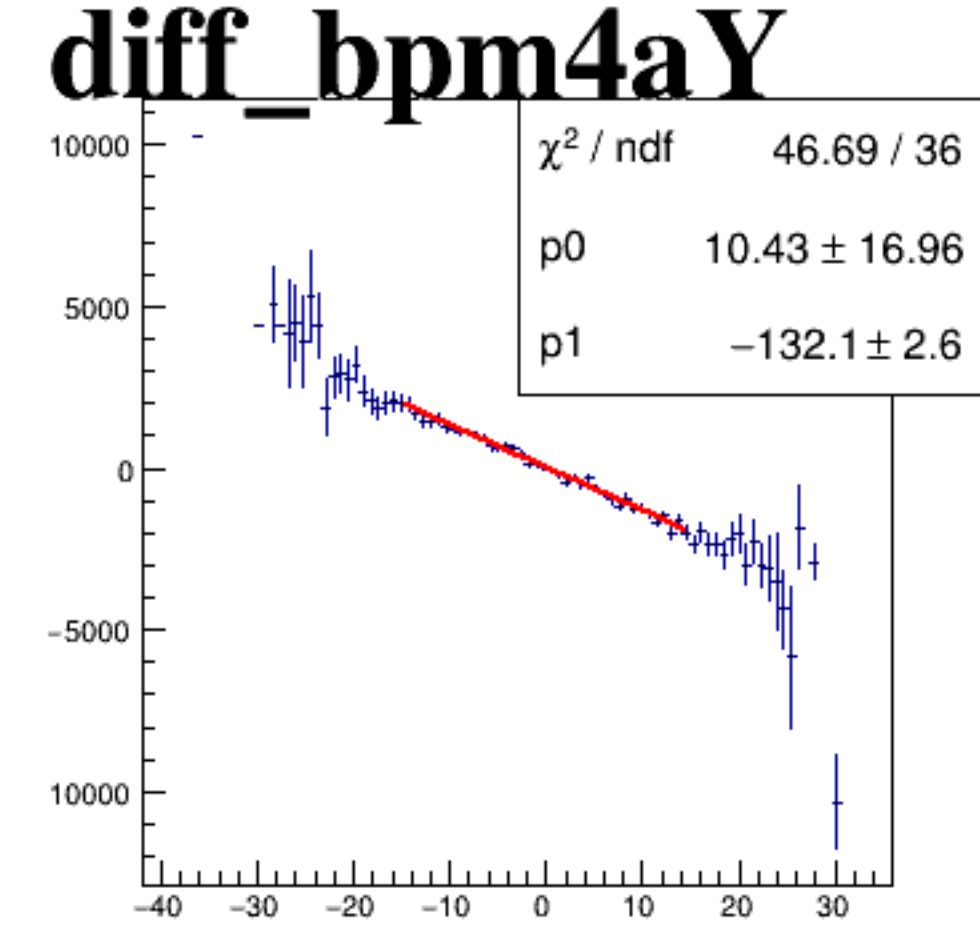
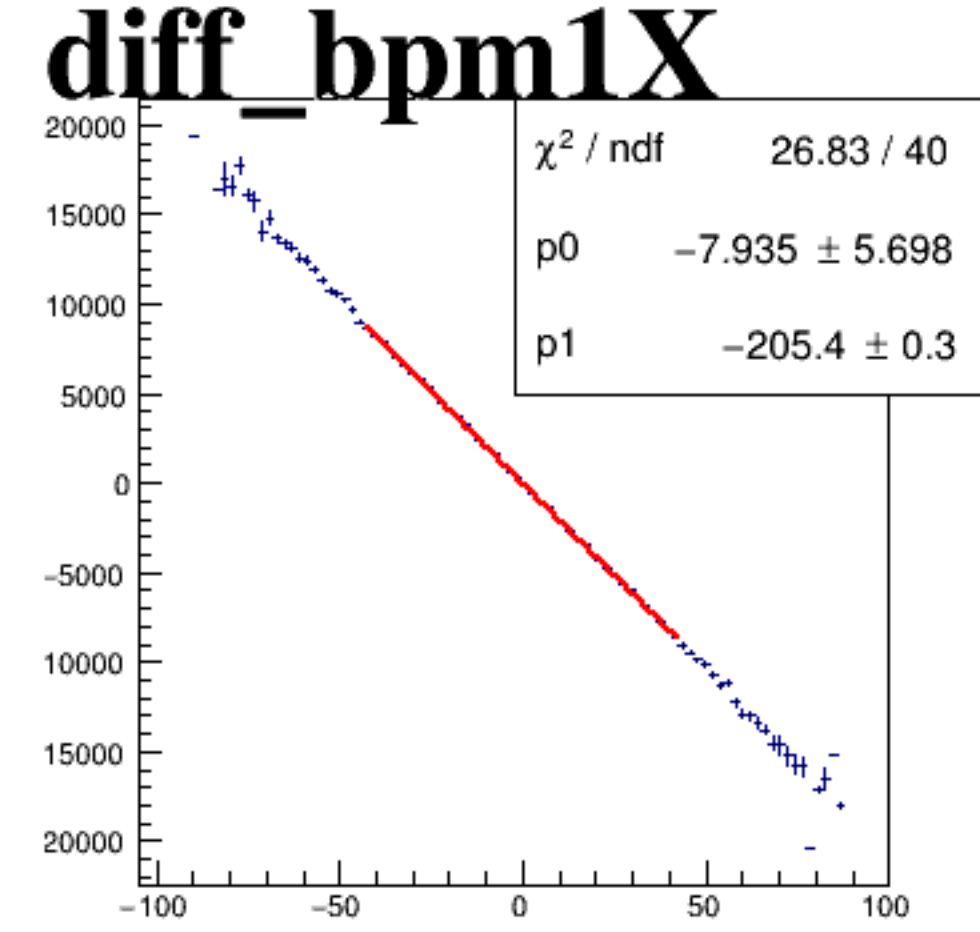
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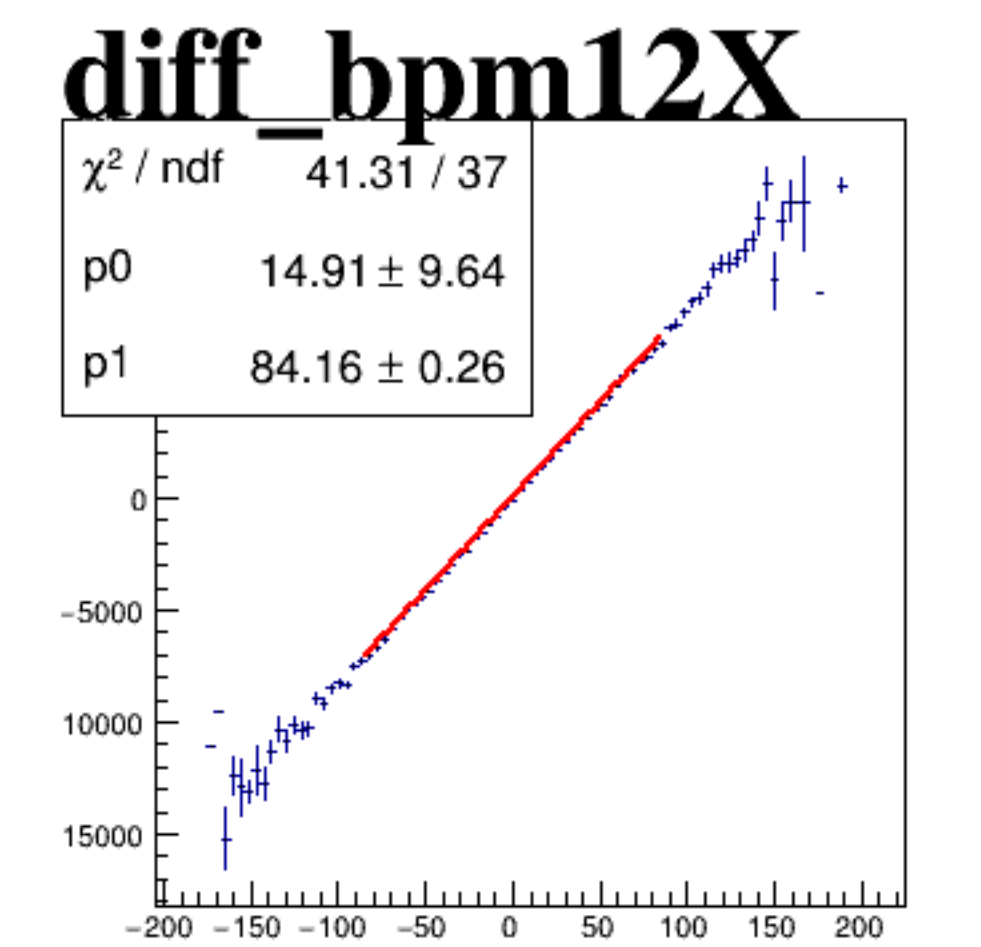
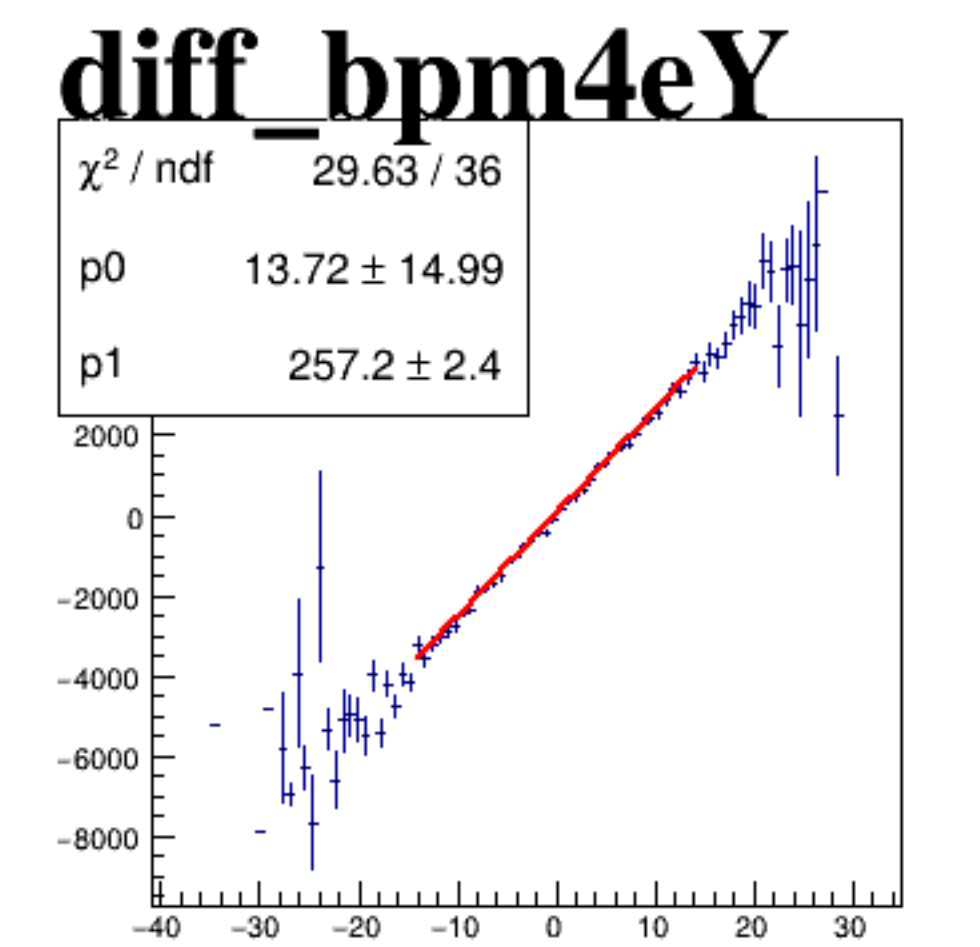
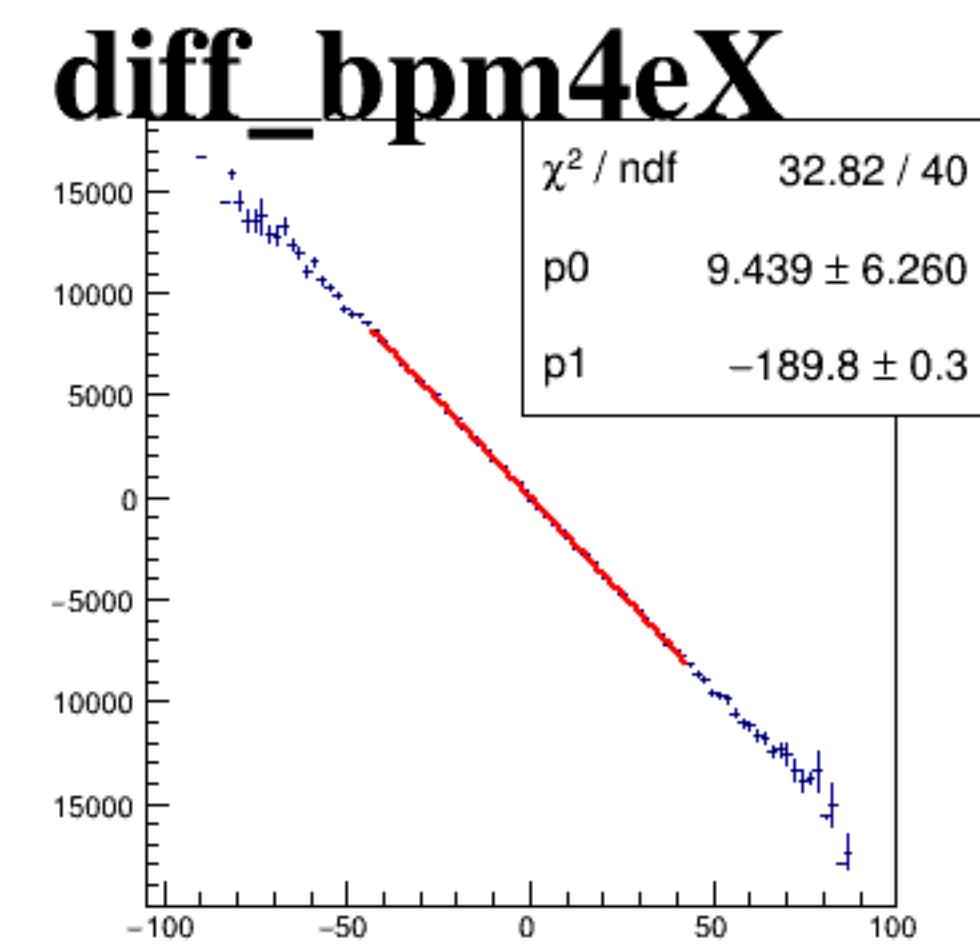
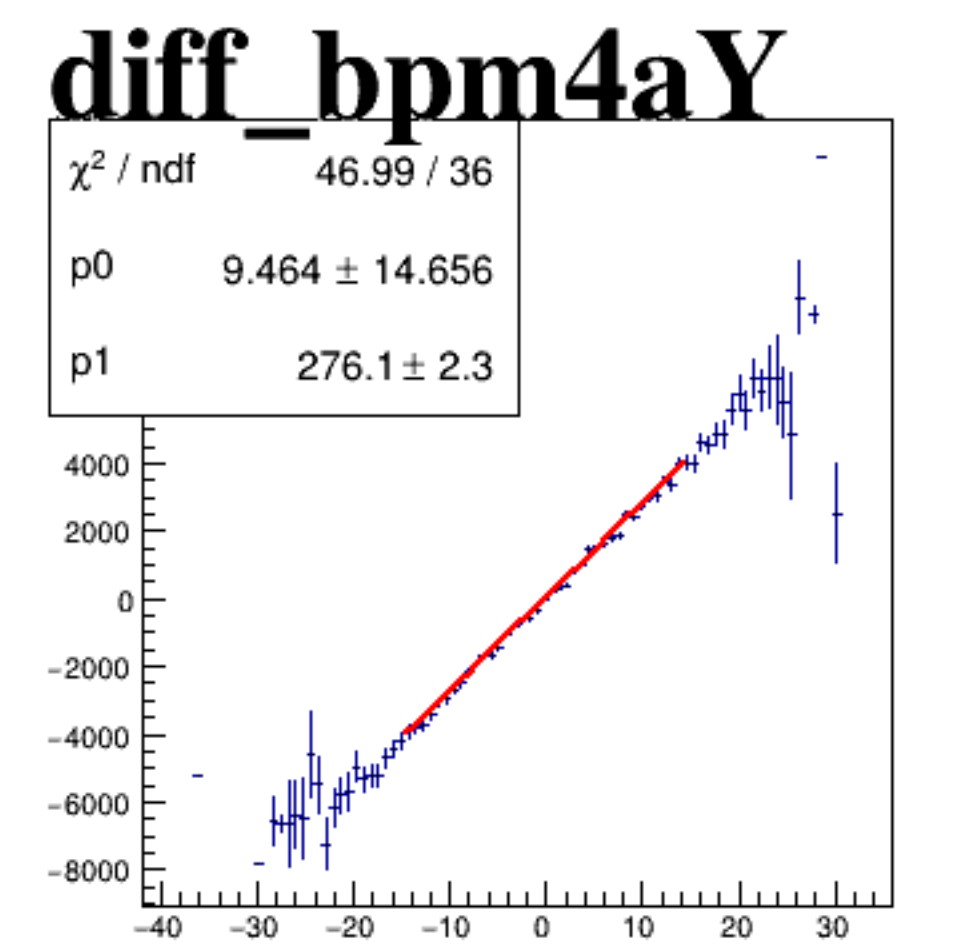
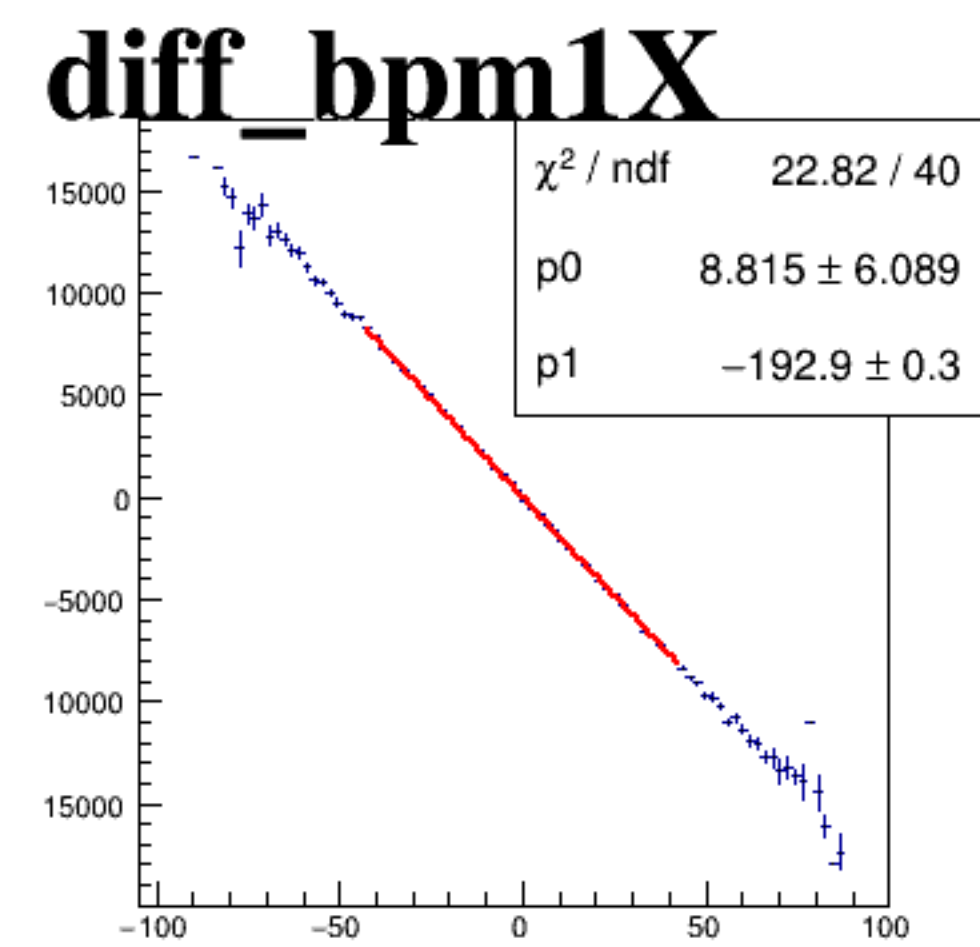
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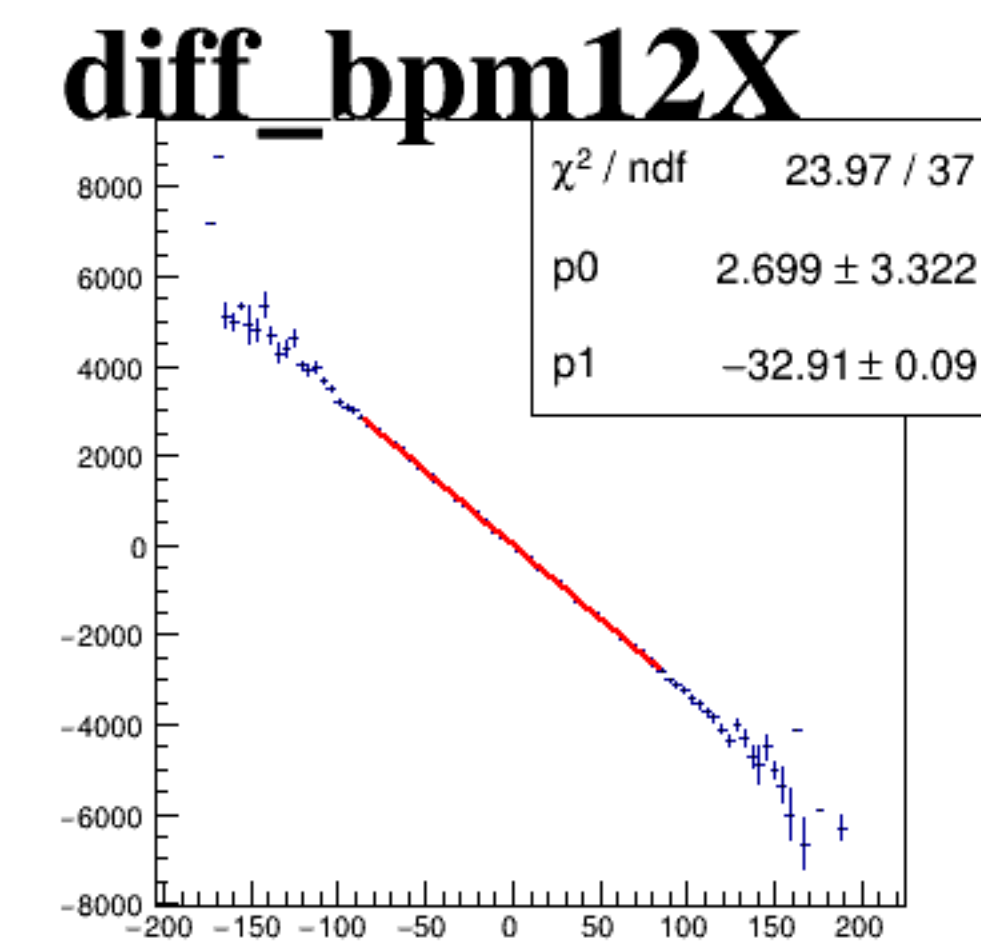
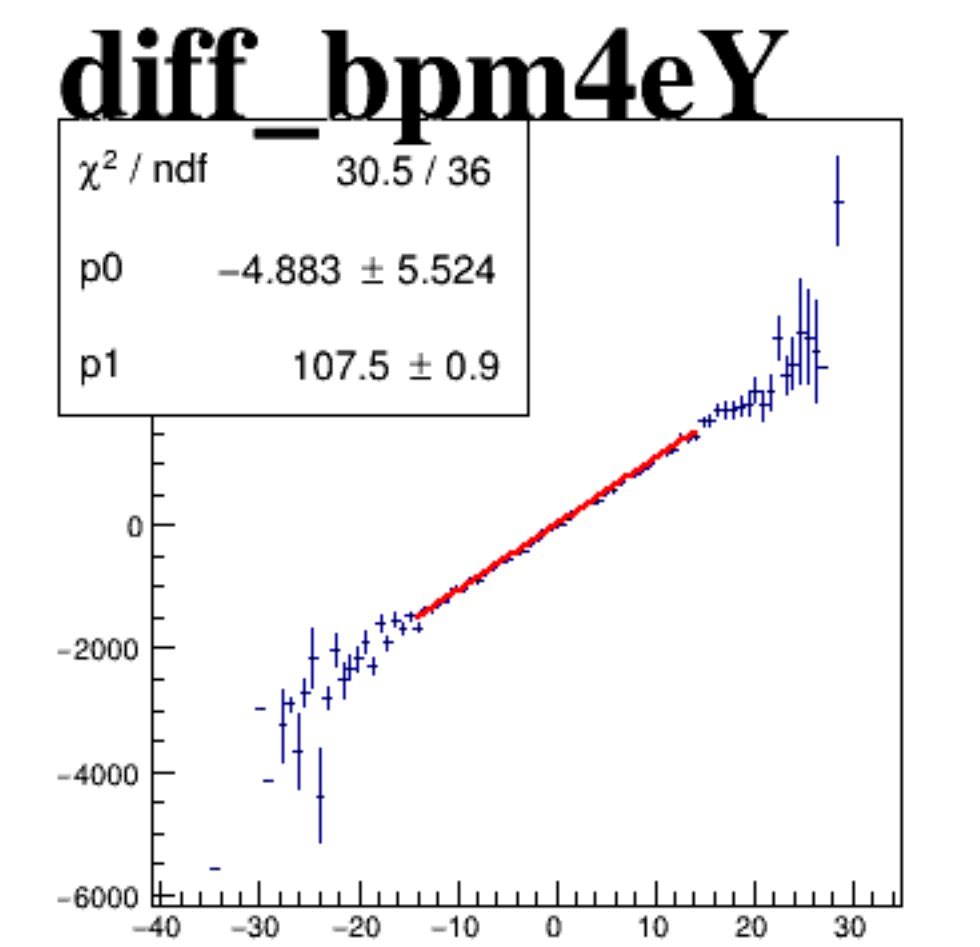
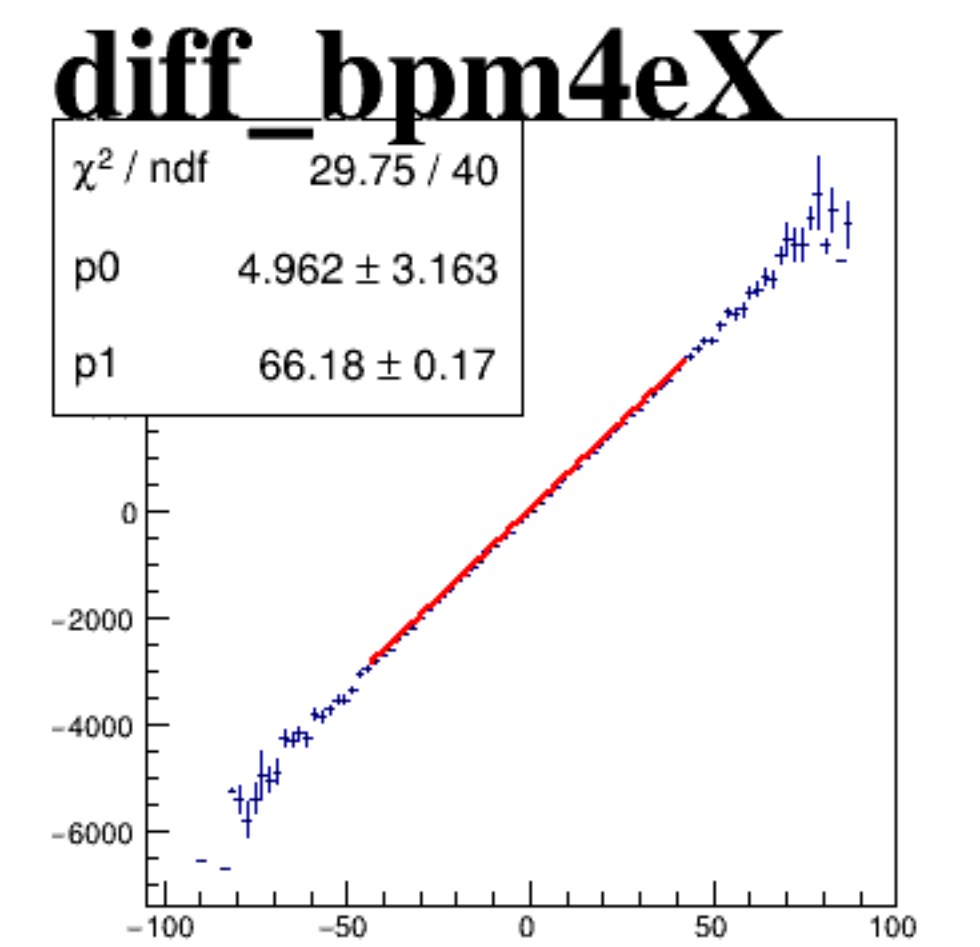
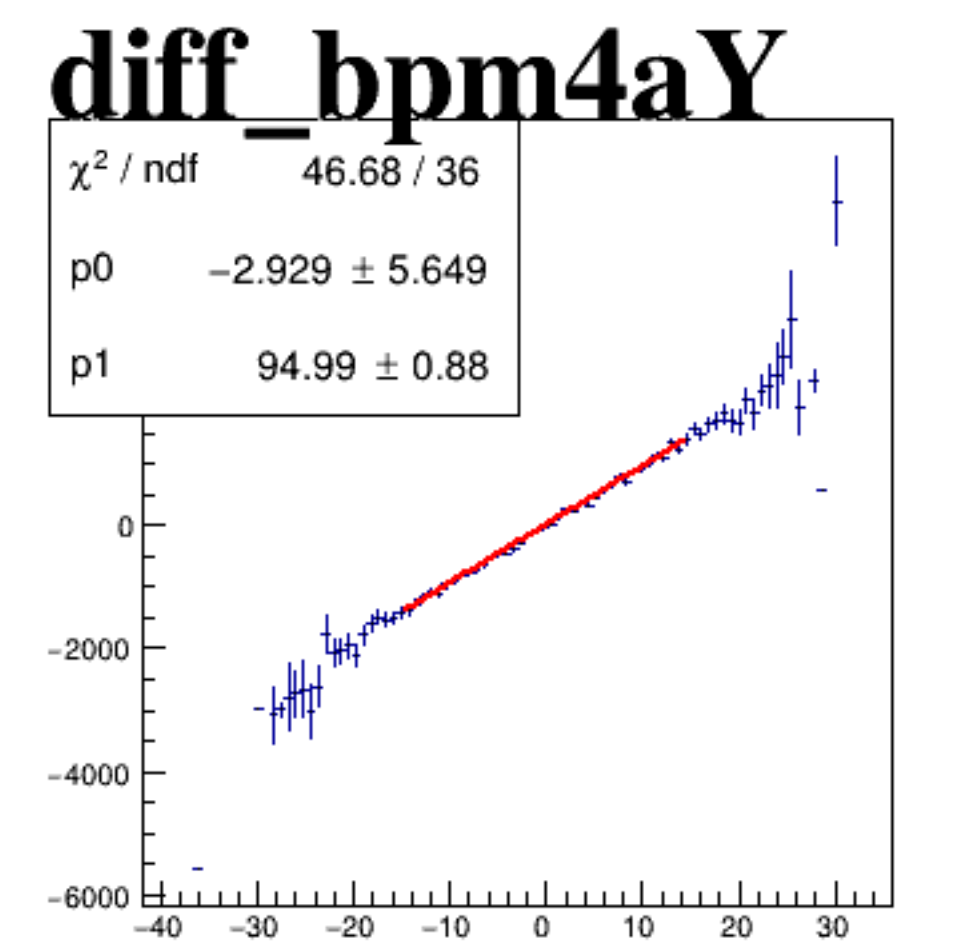
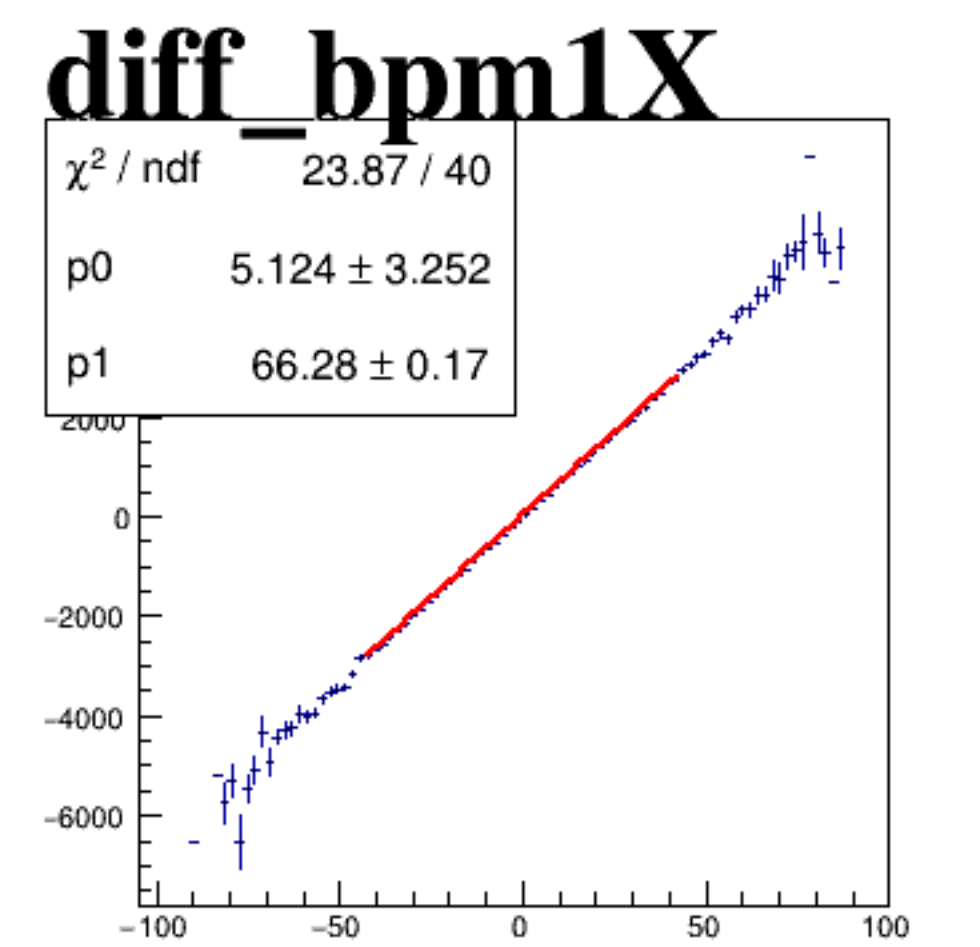
asym_sam2



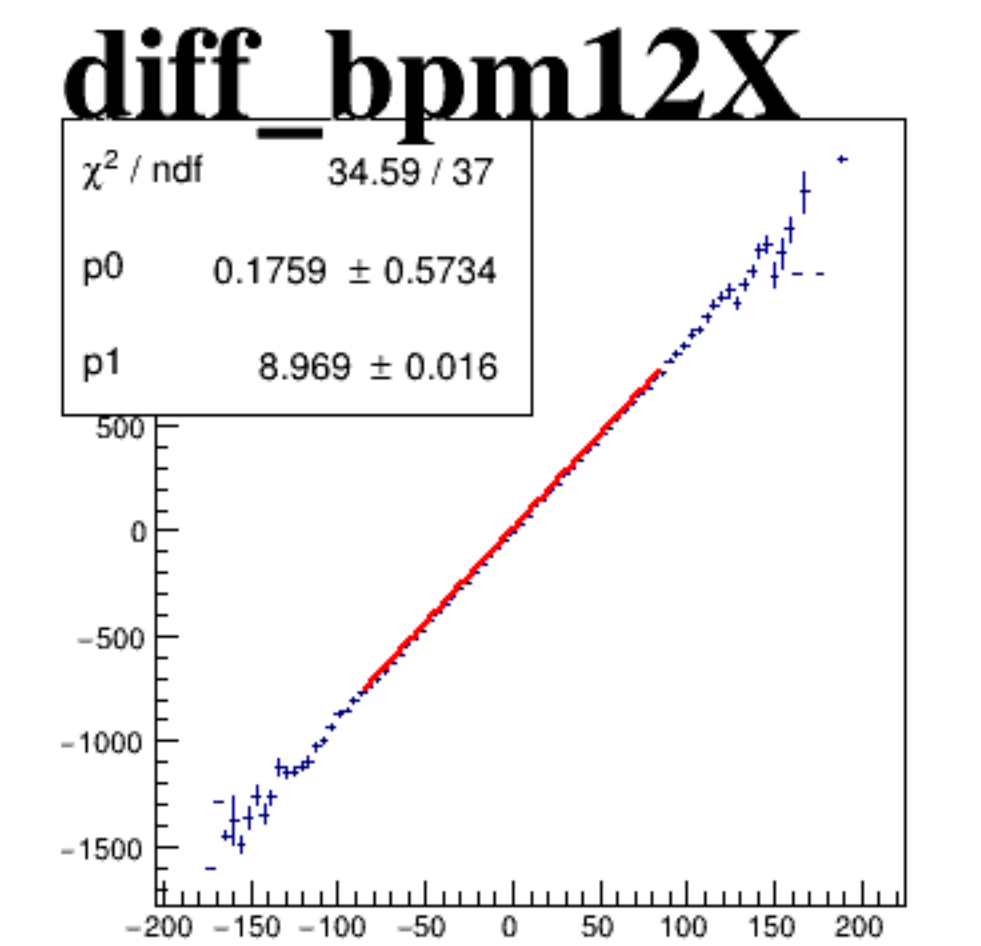
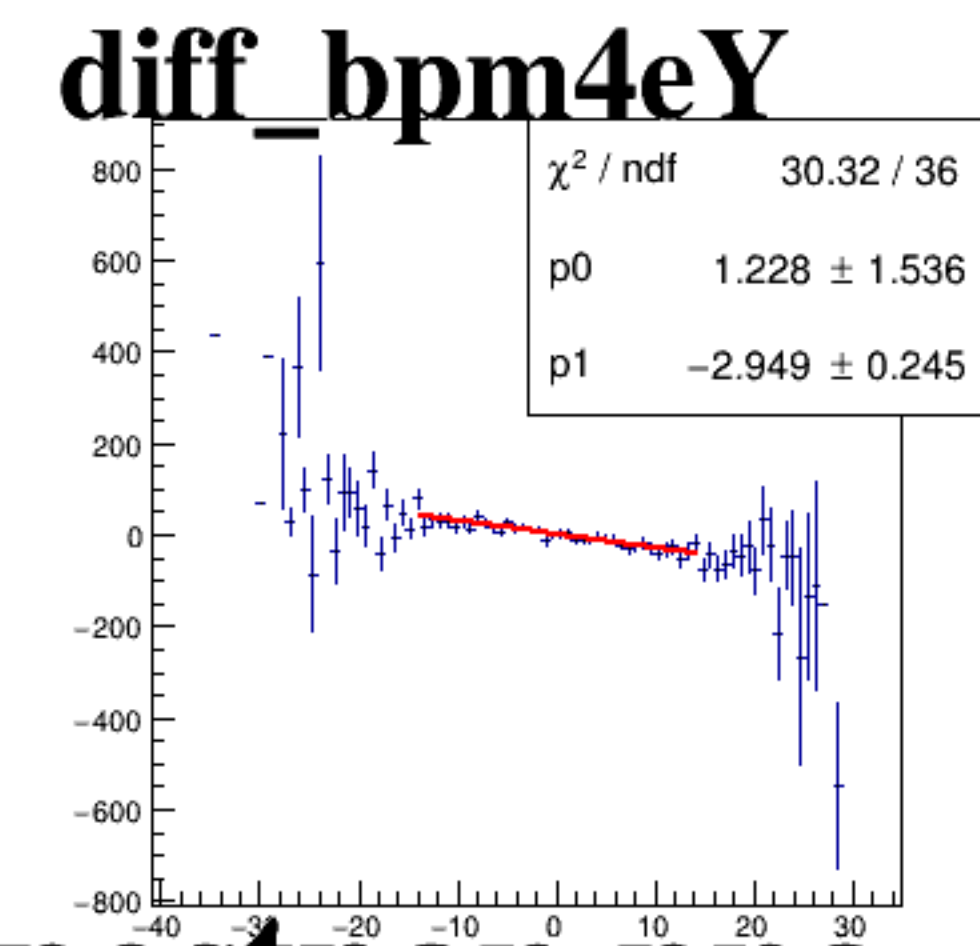
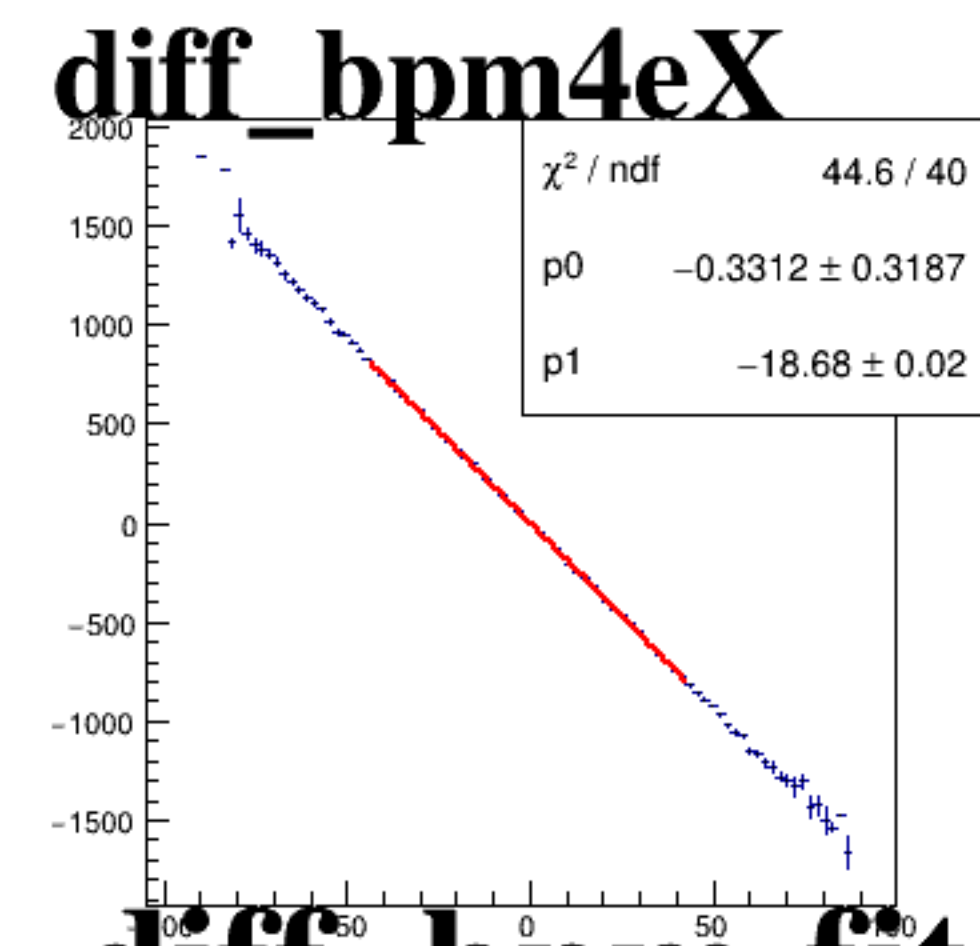
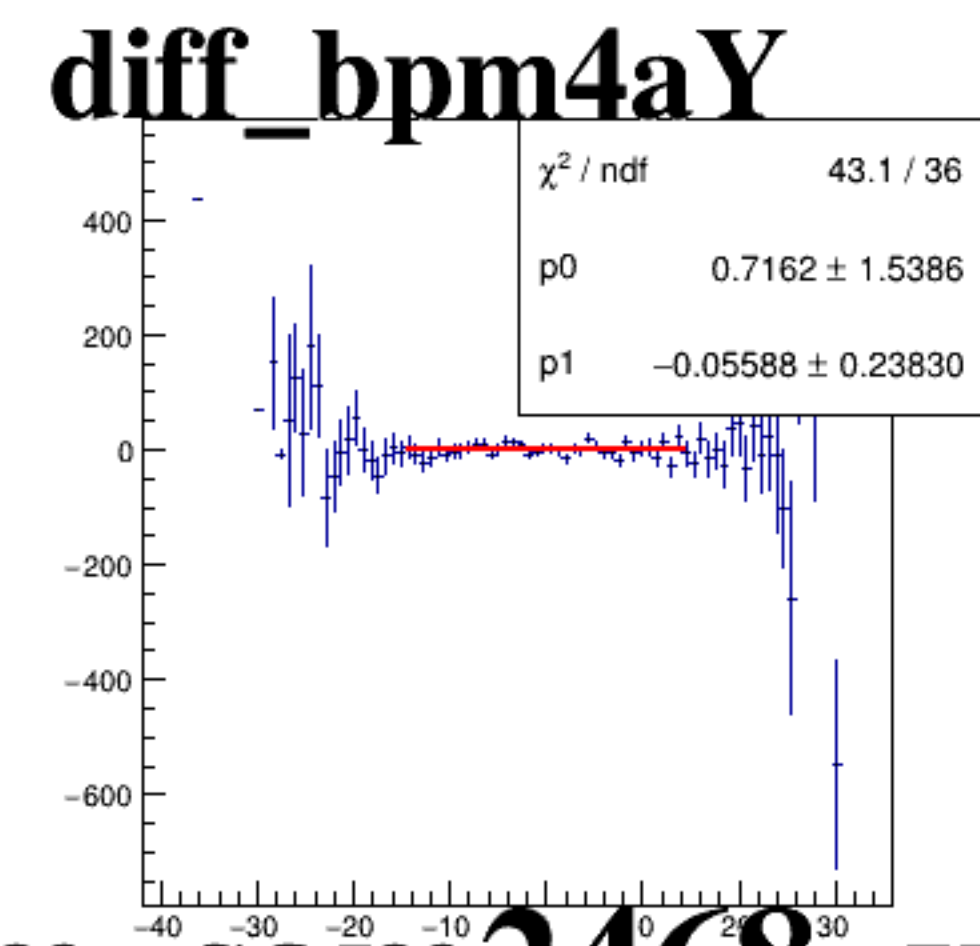
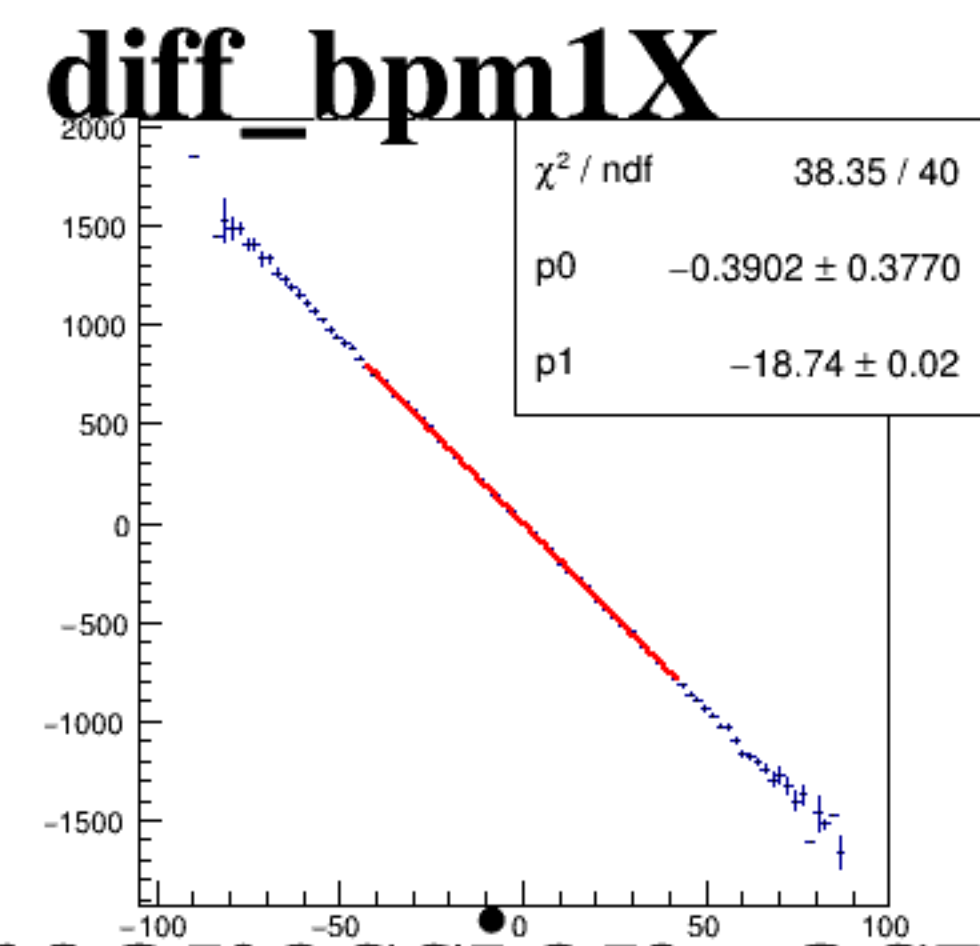
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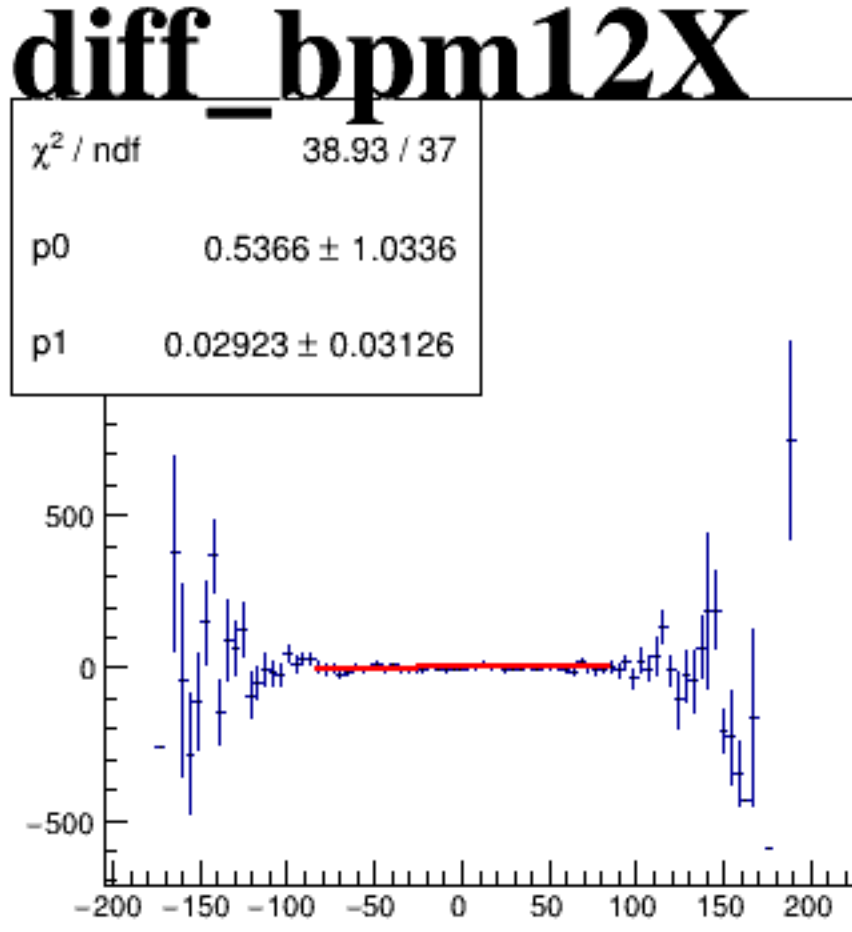
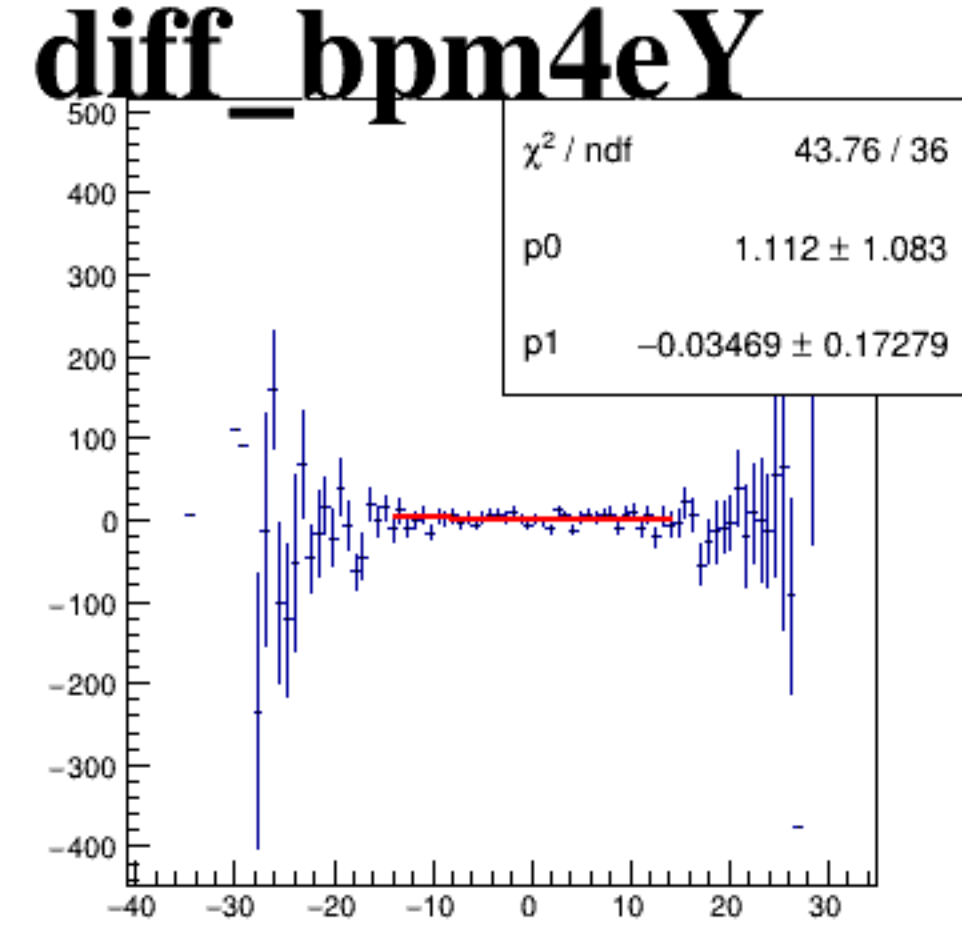
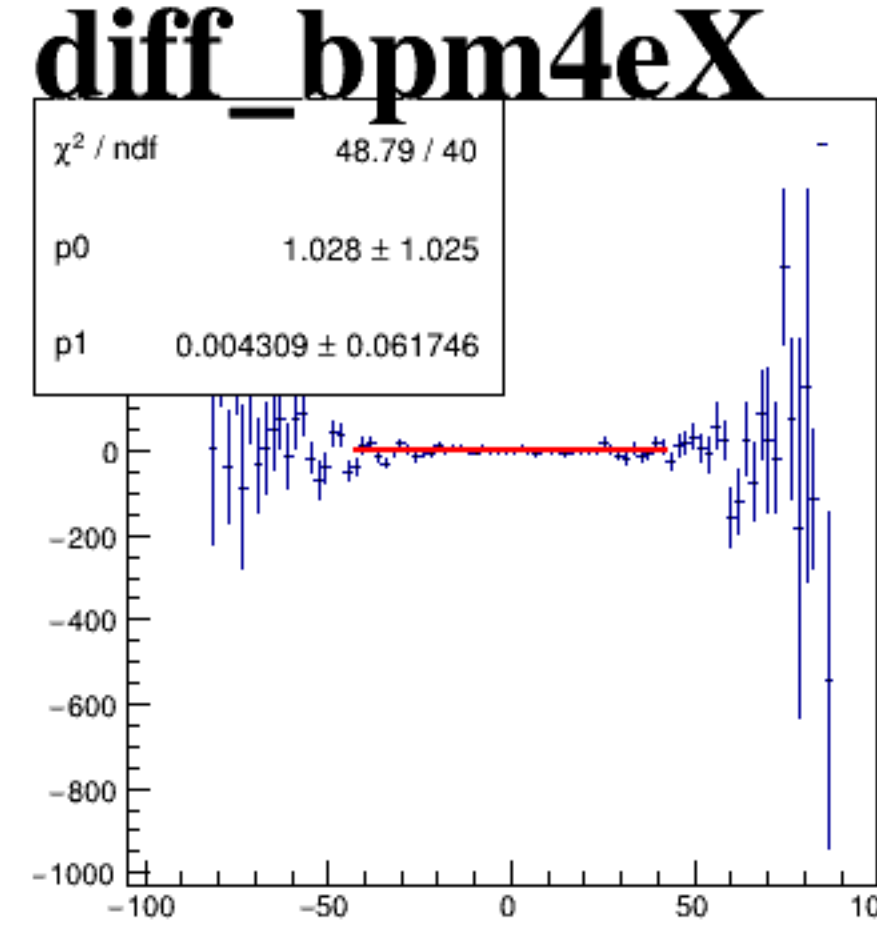
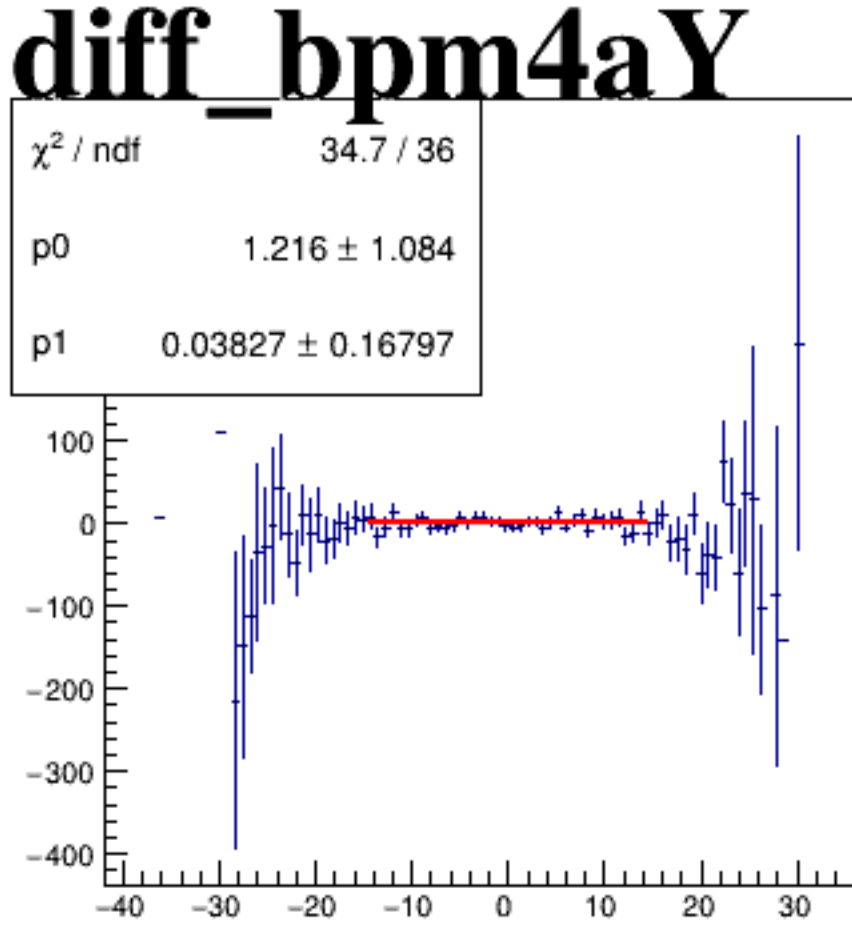
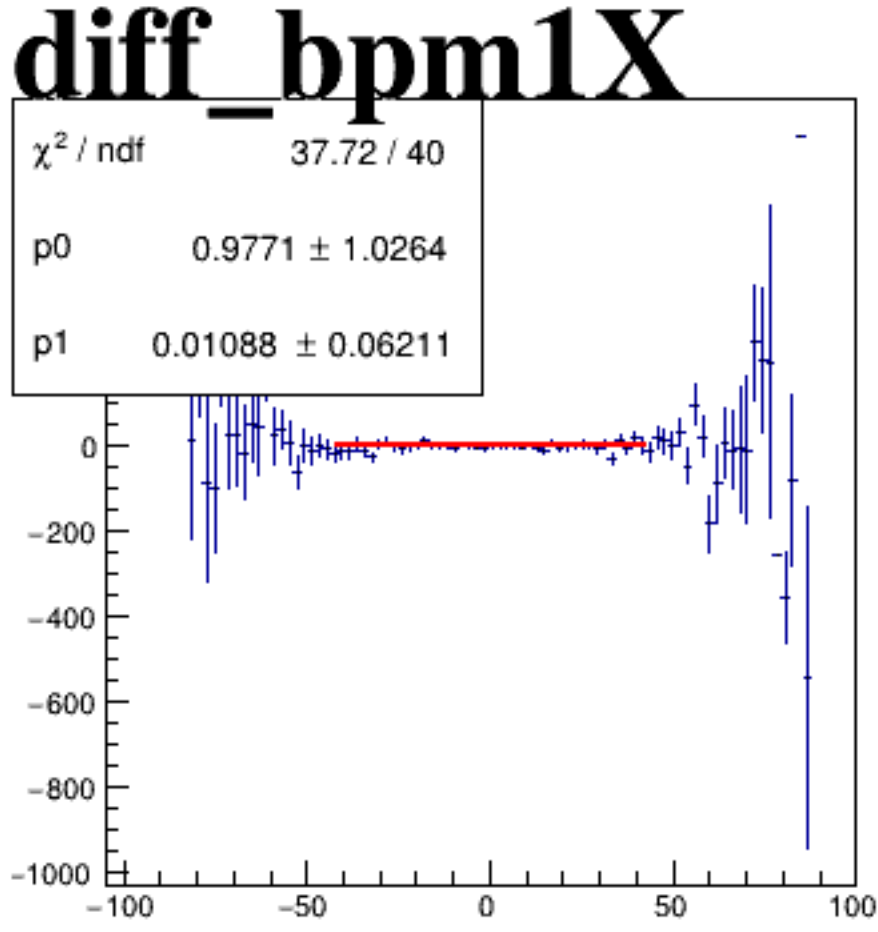
asym_sam6



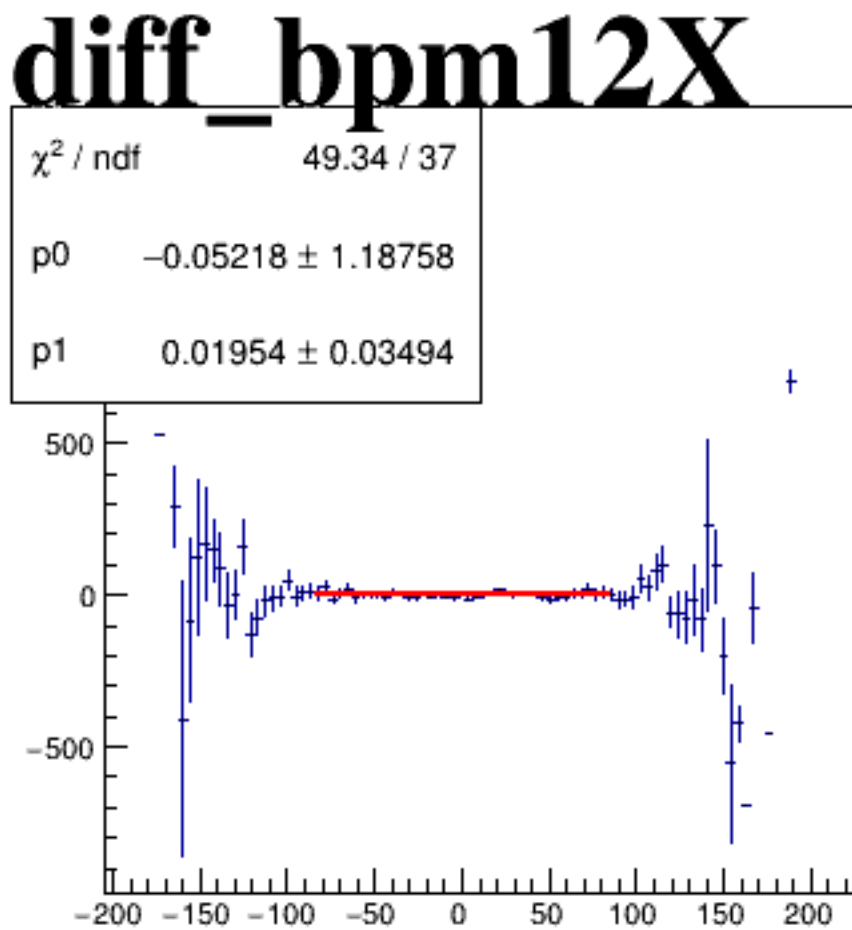
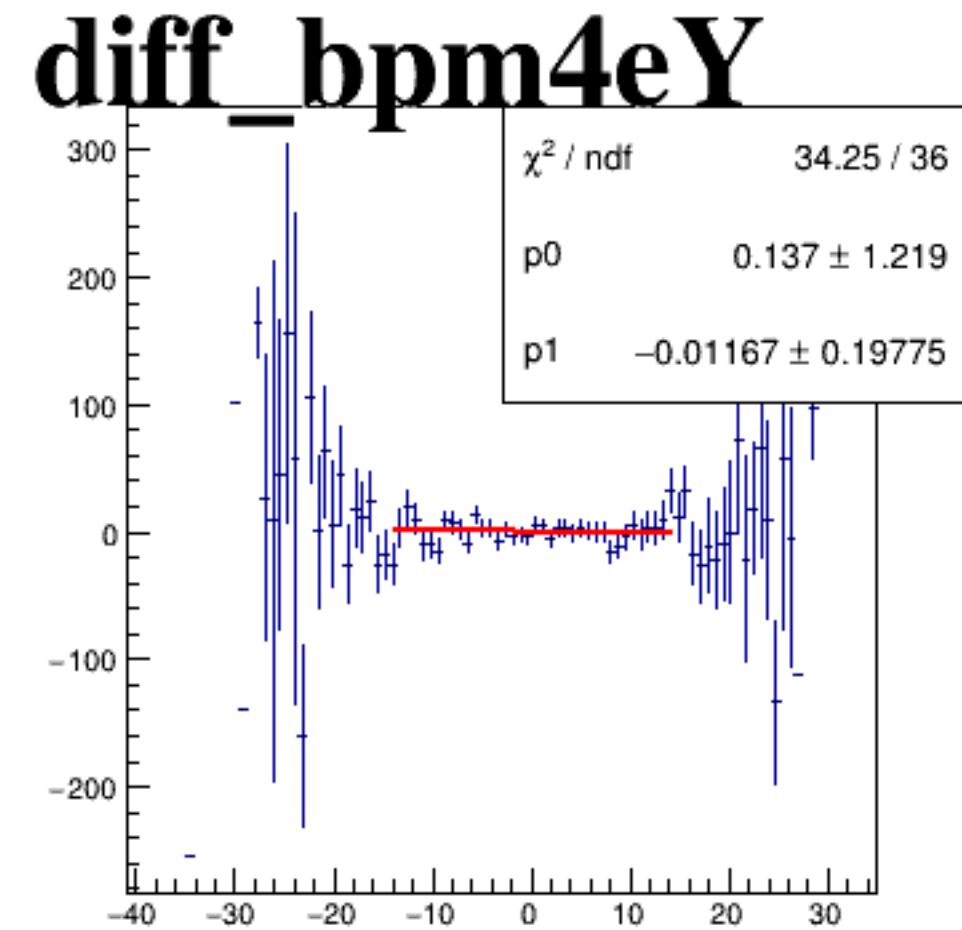
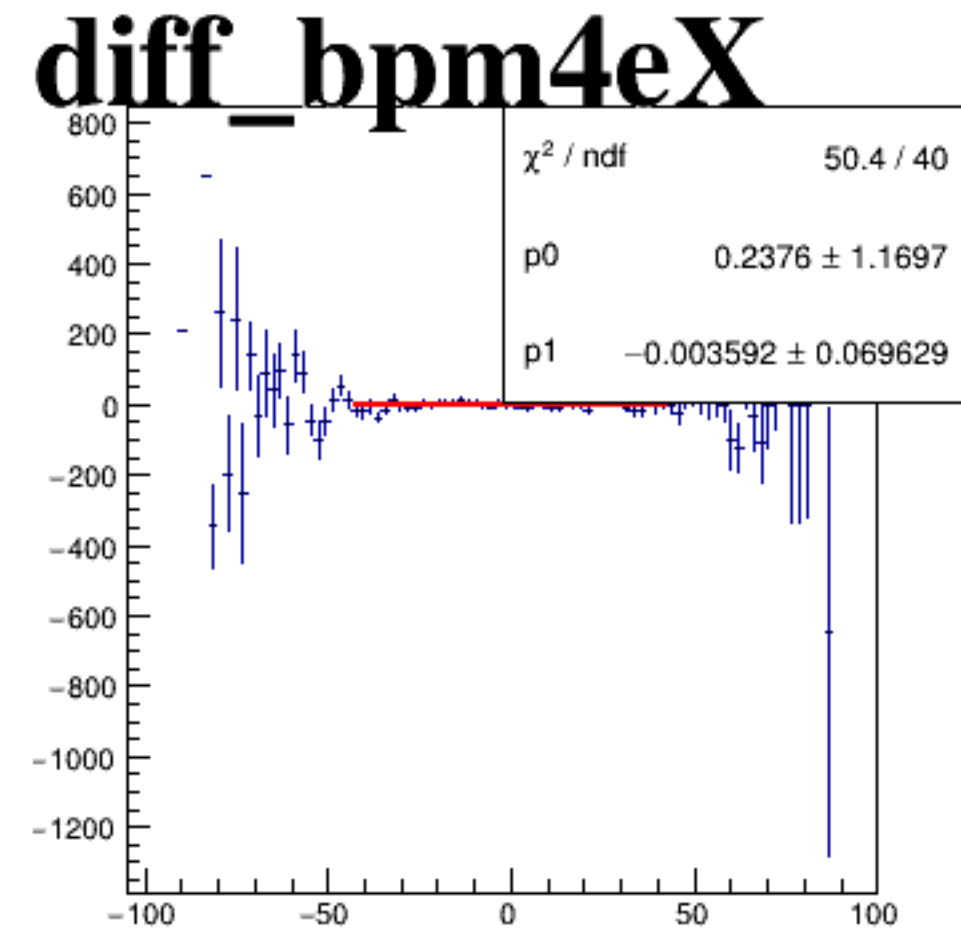
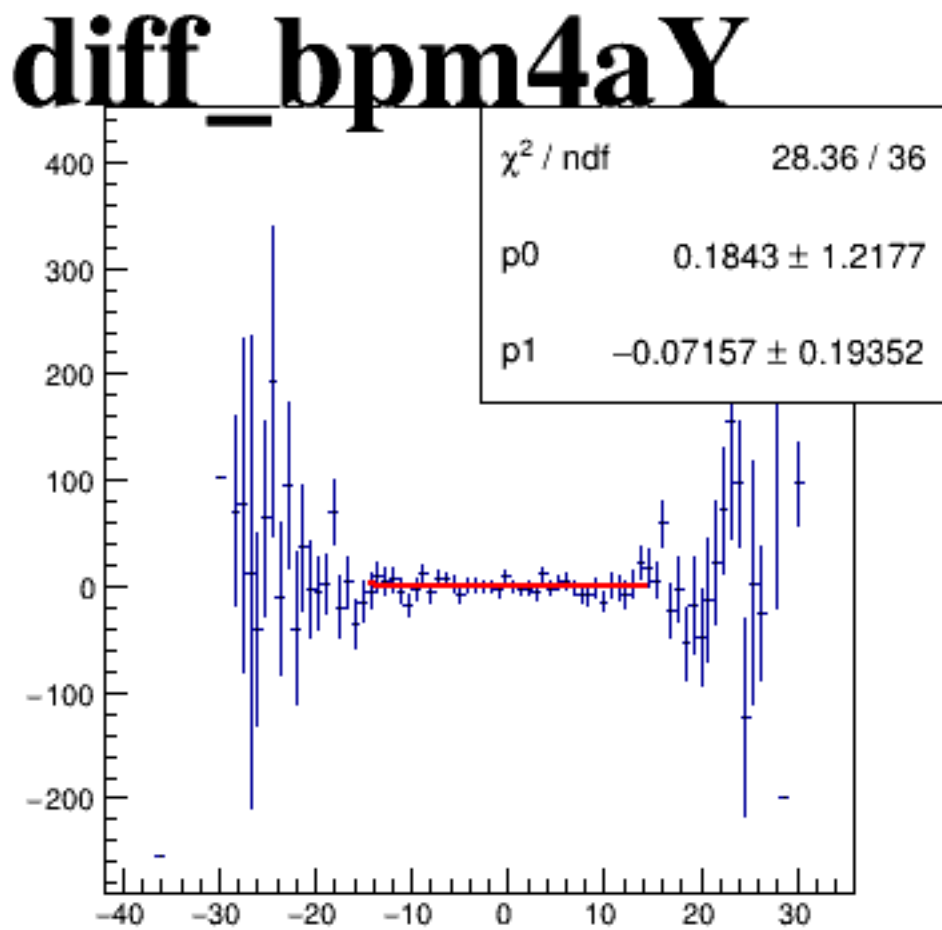
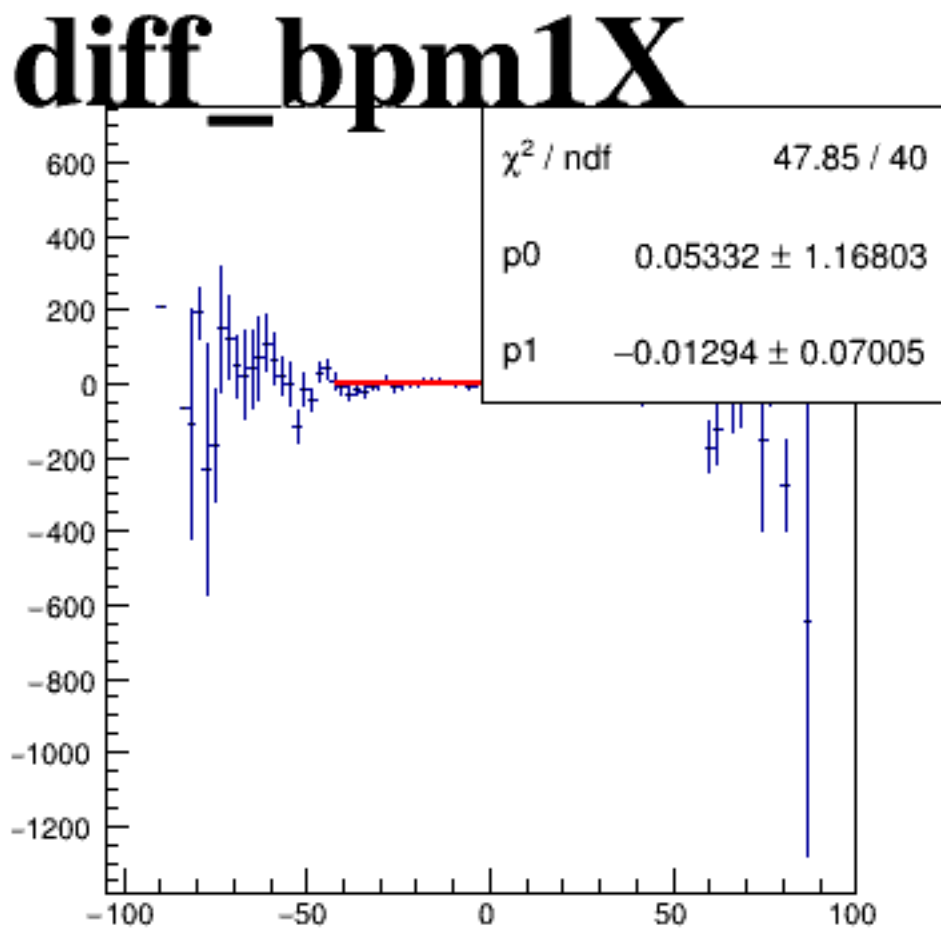
asym_sam8



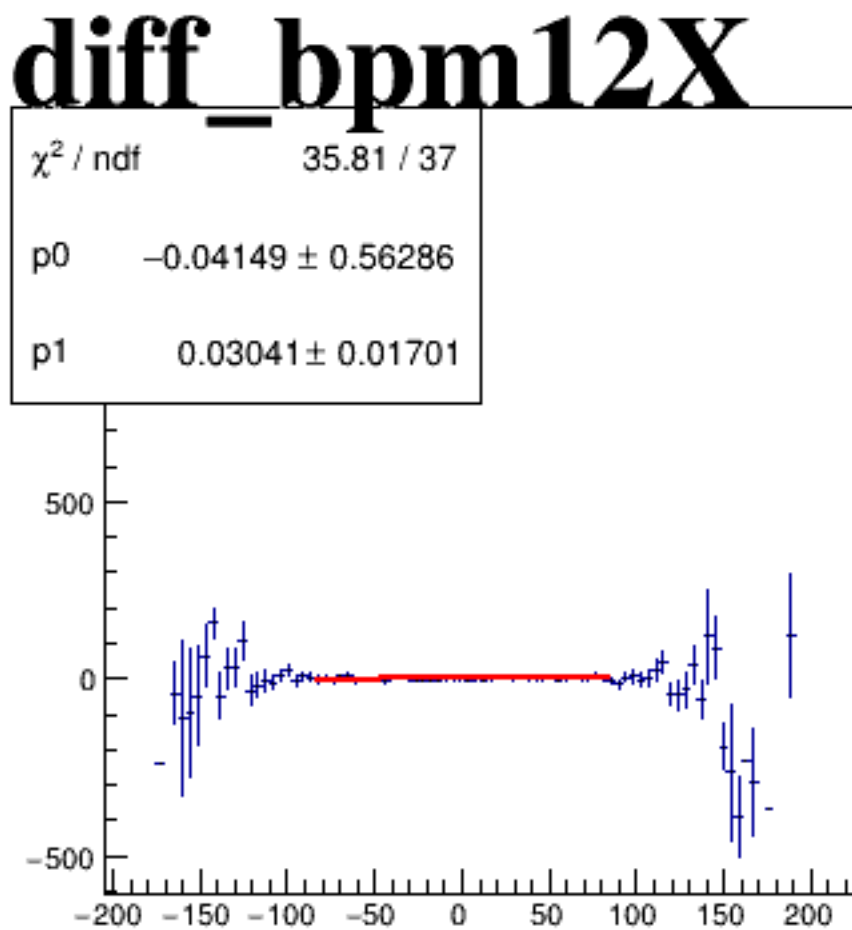
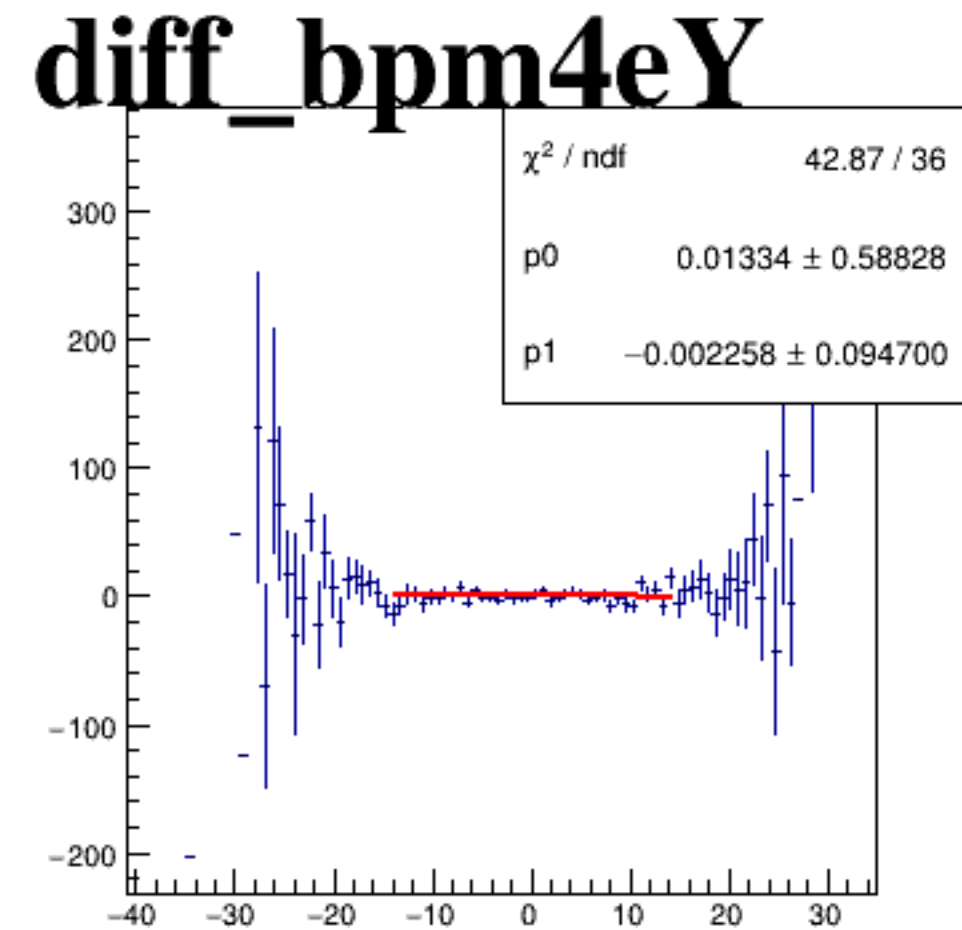
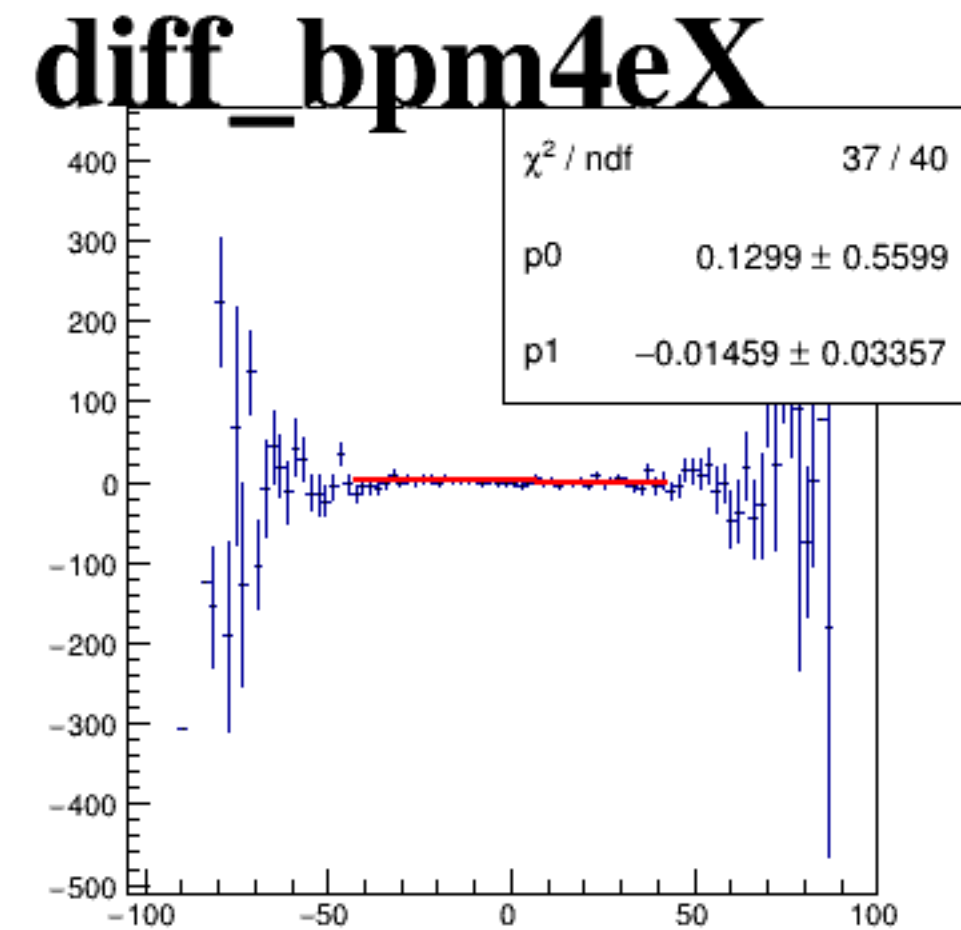
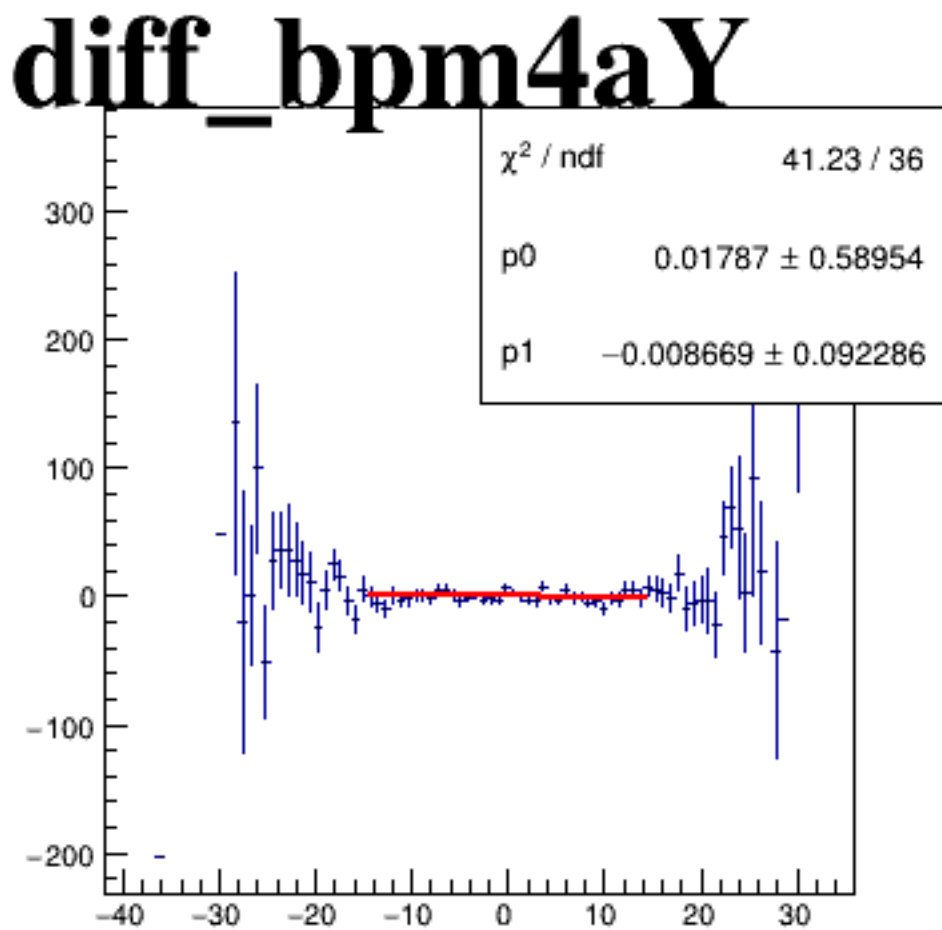
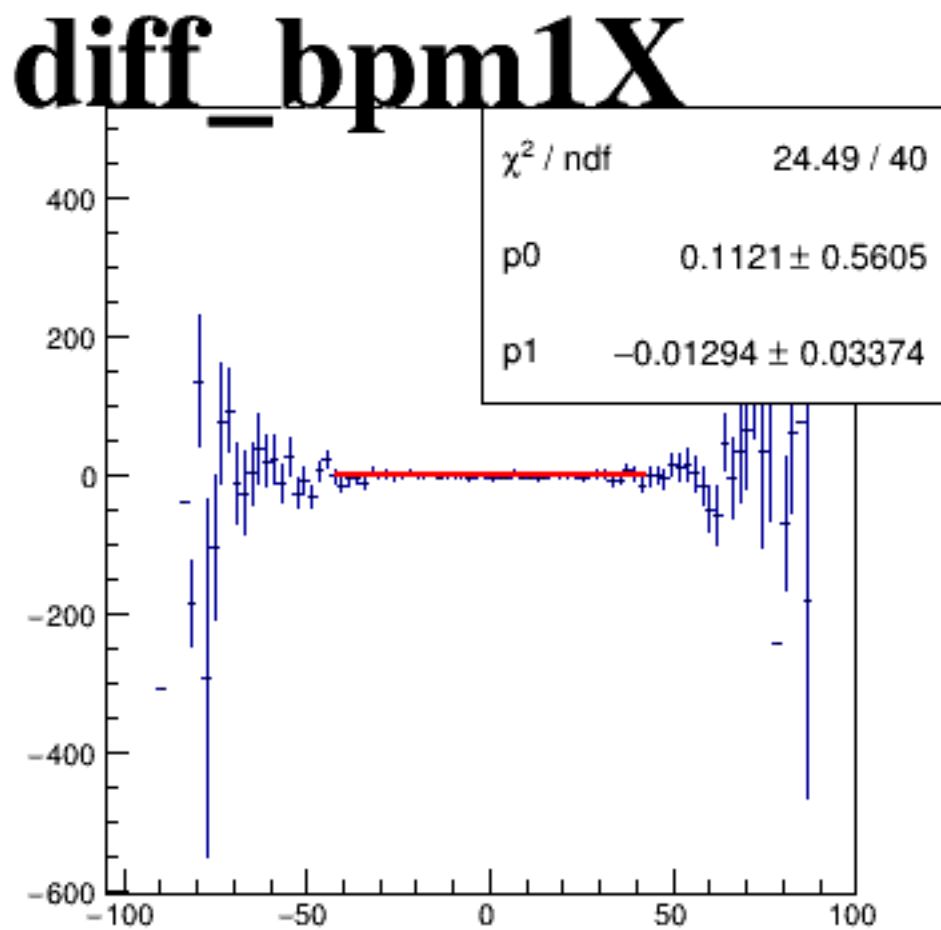
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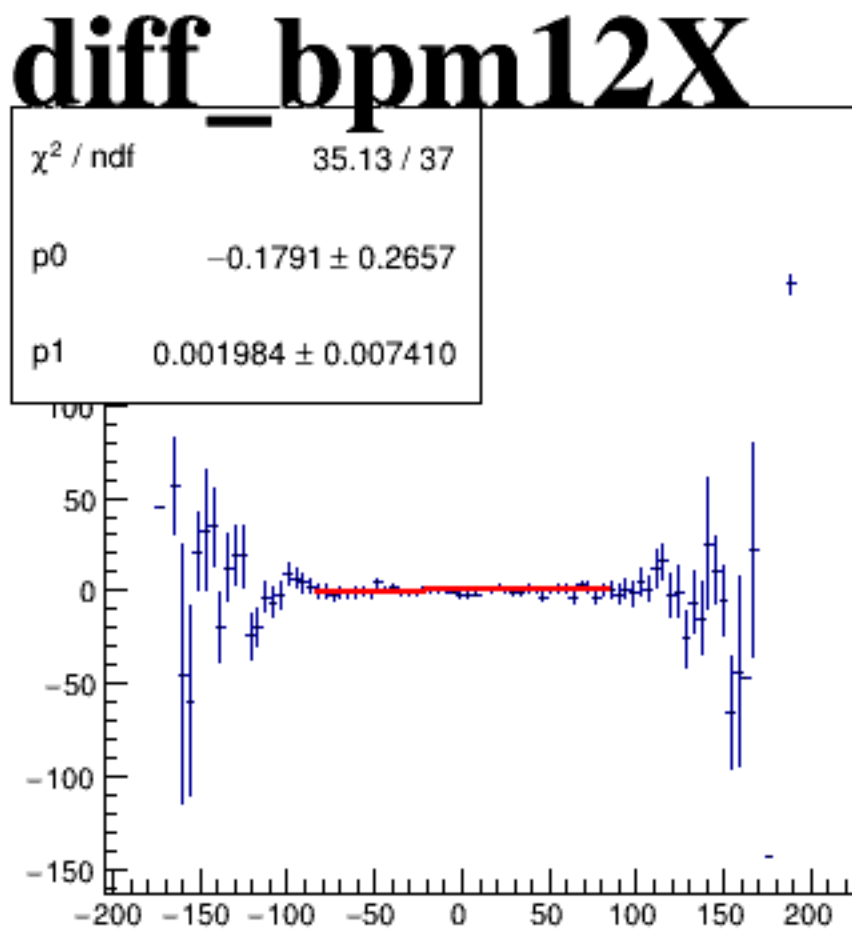
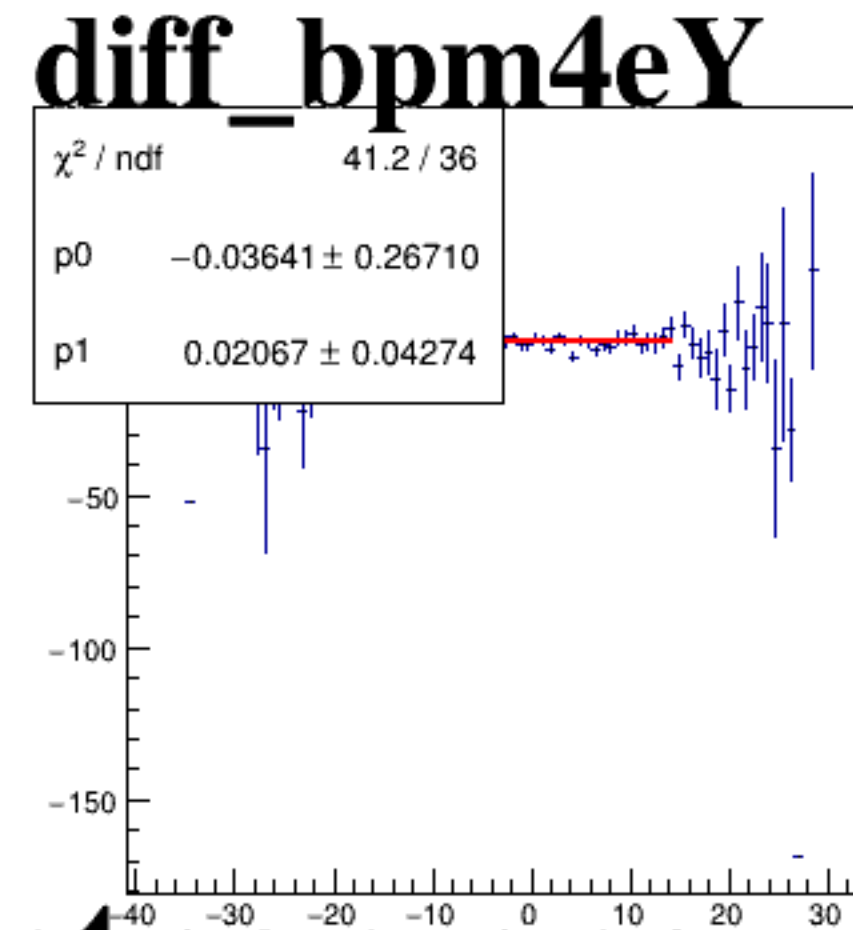
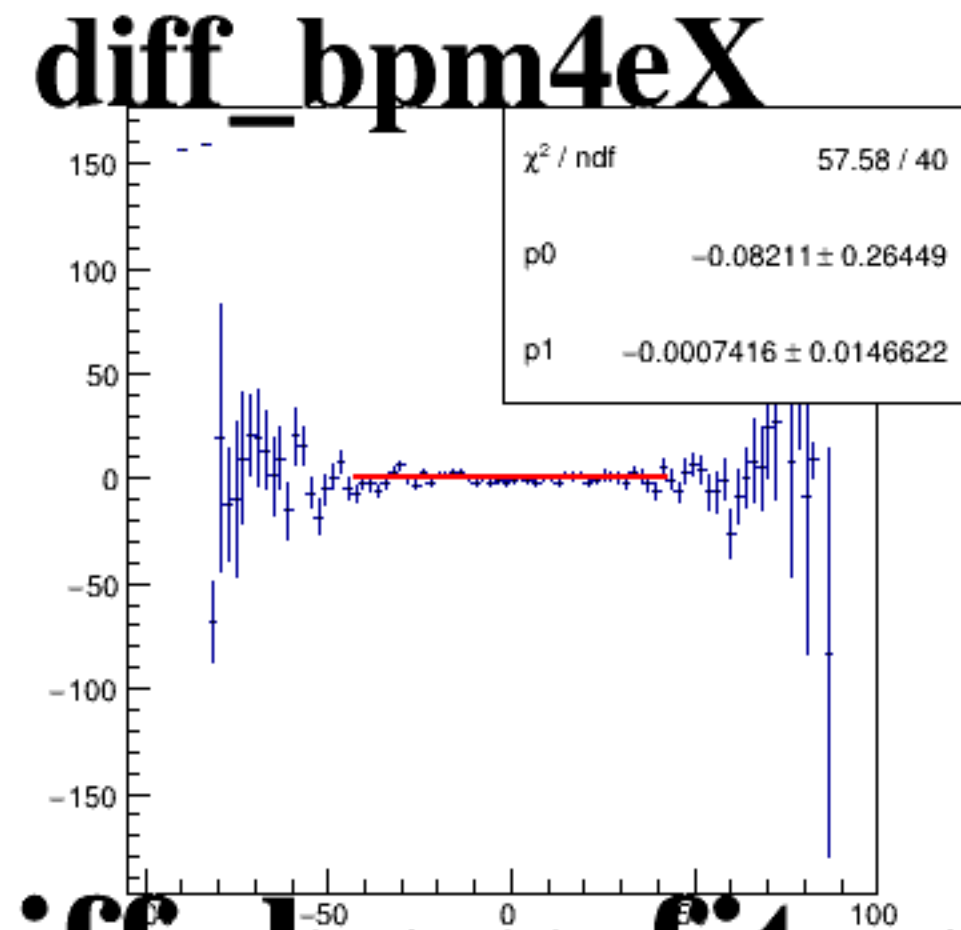
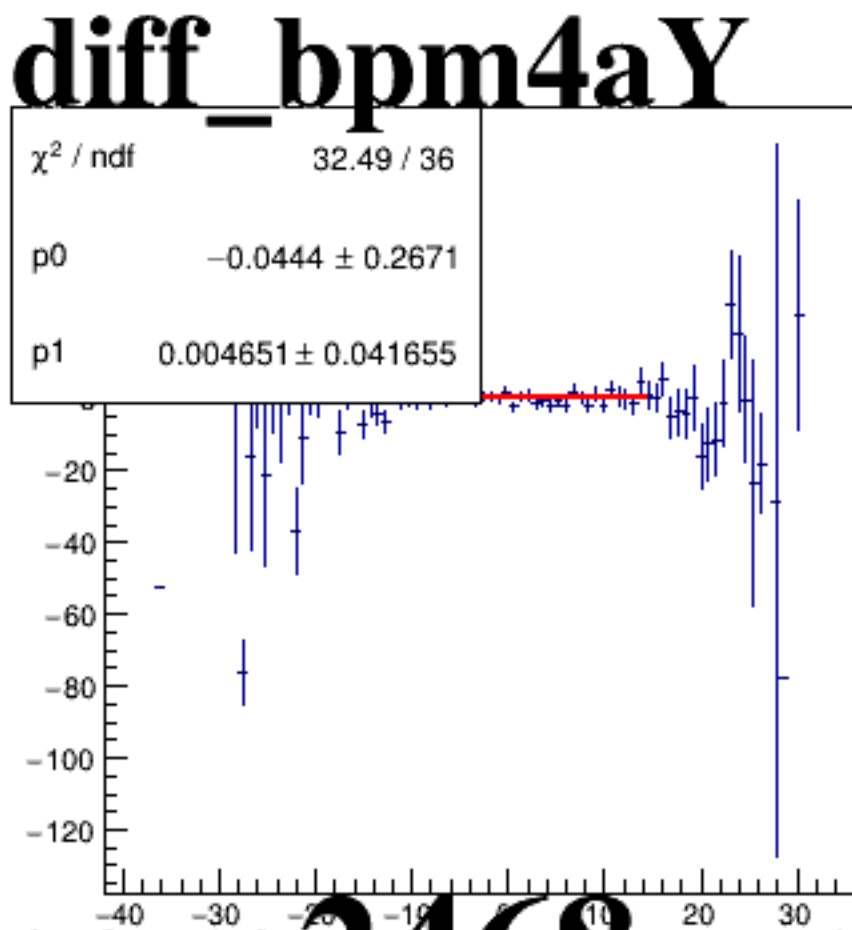
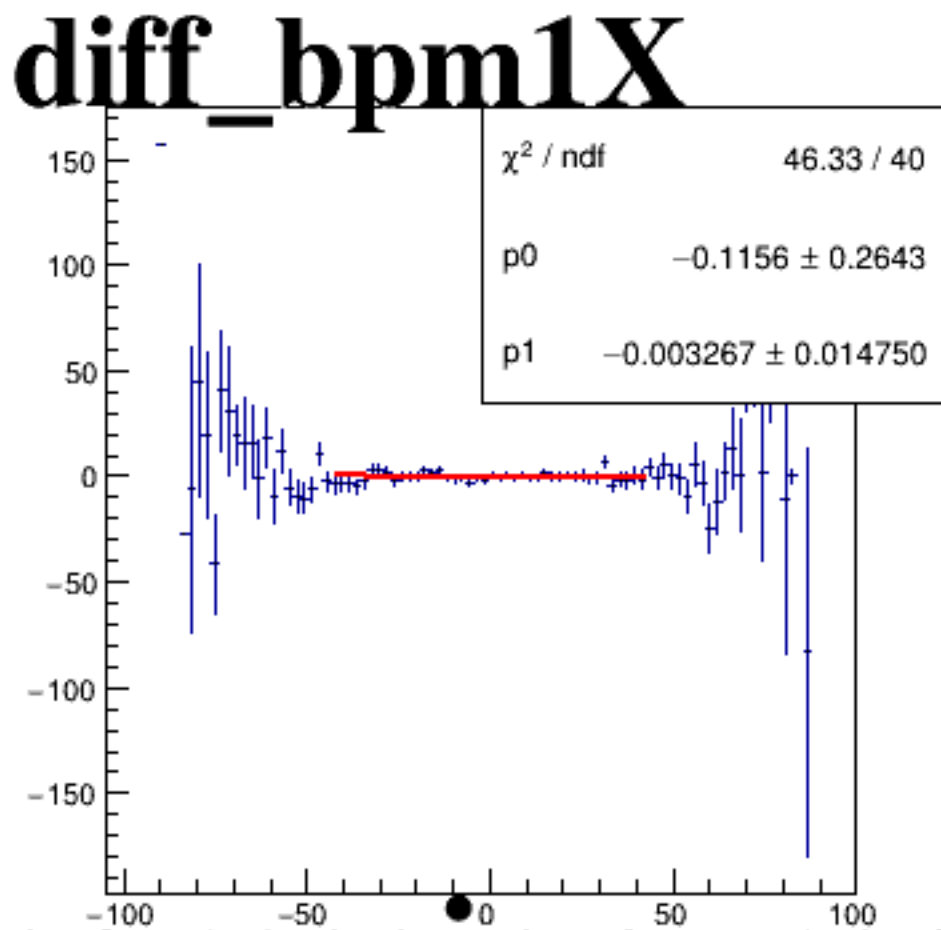
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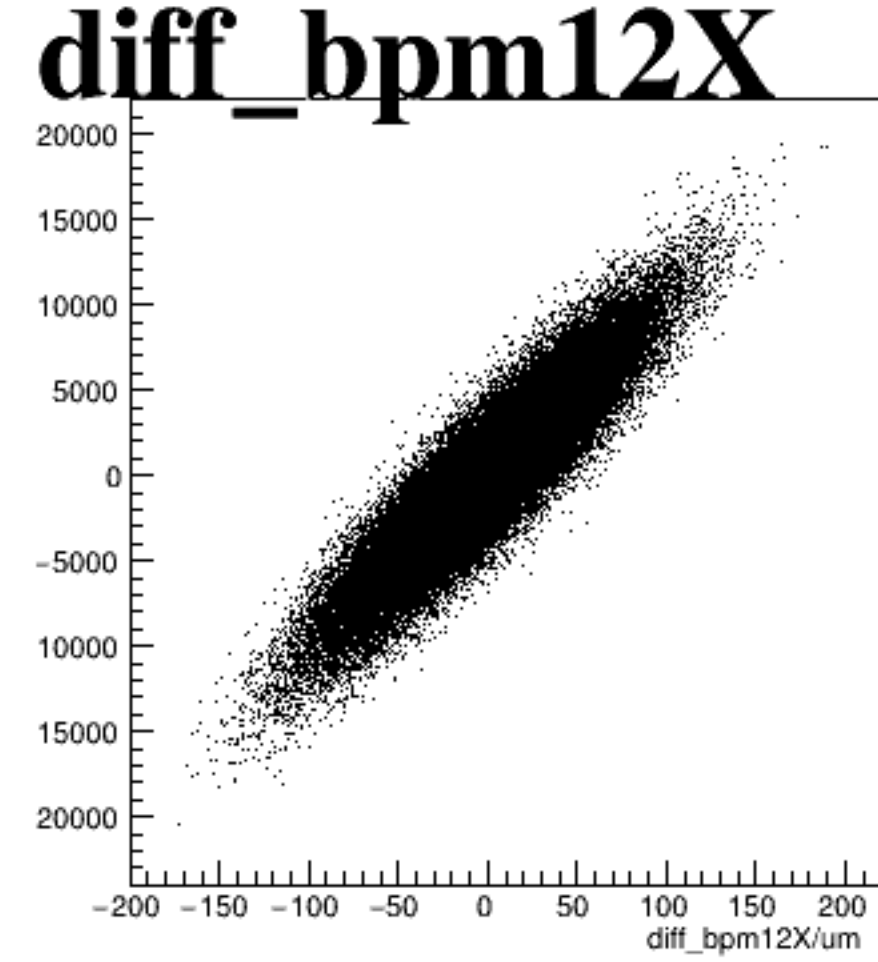
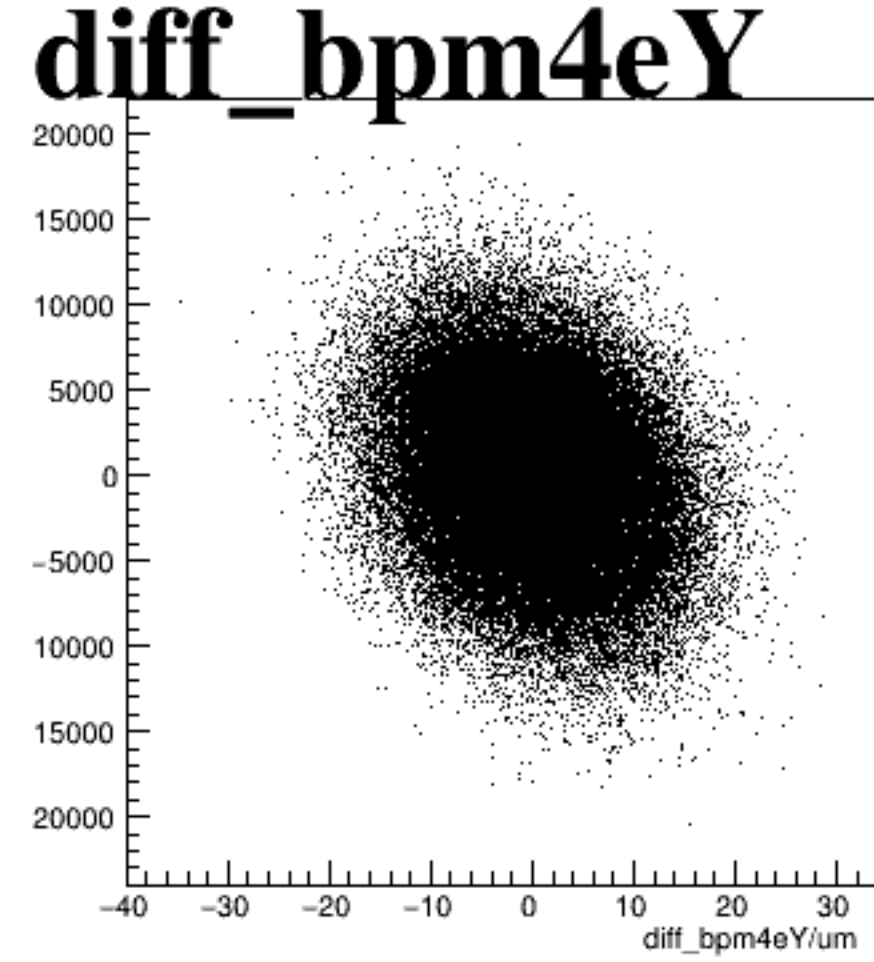
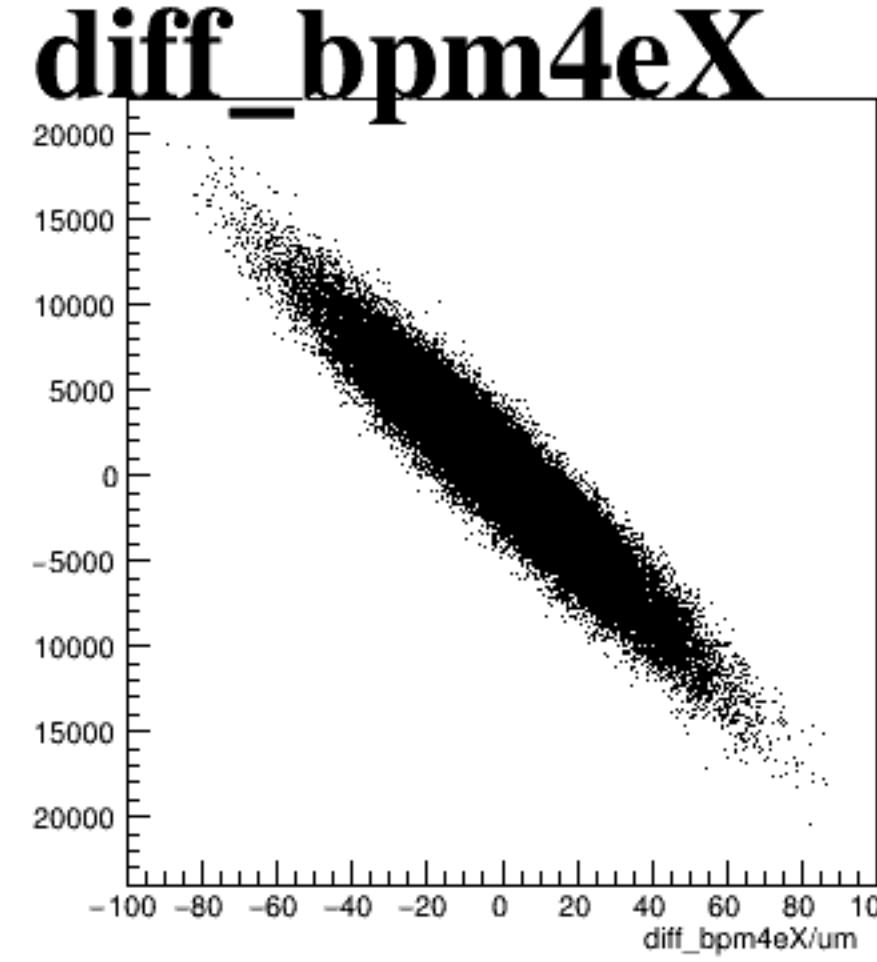
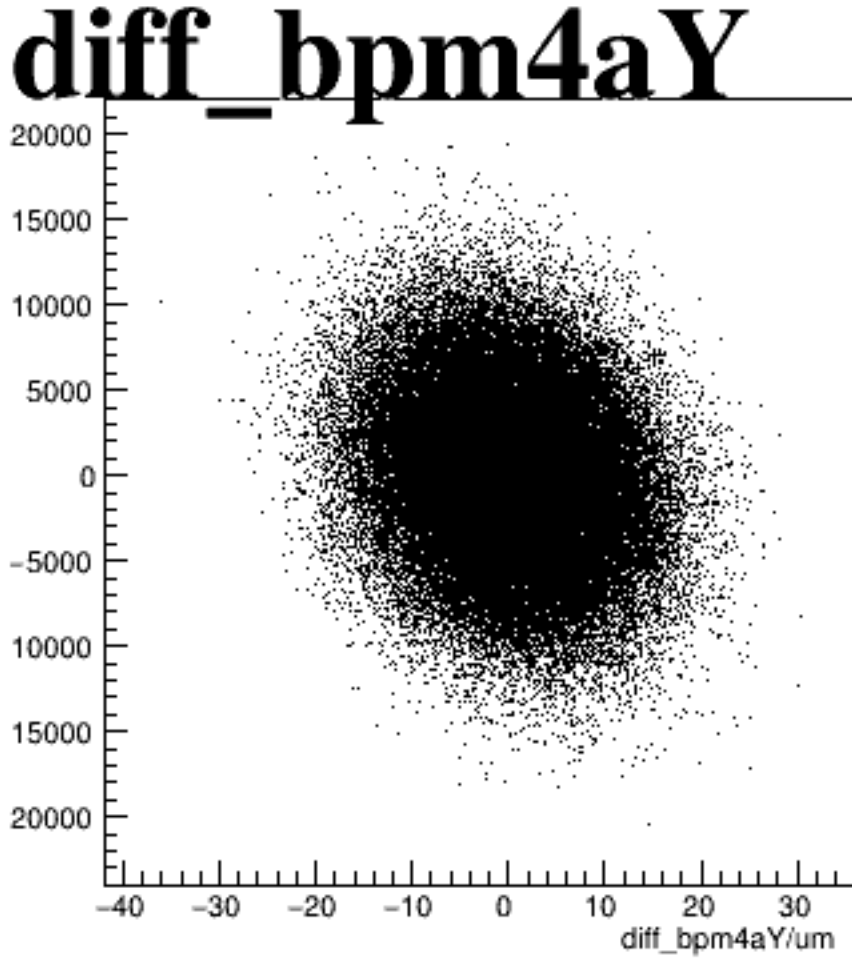
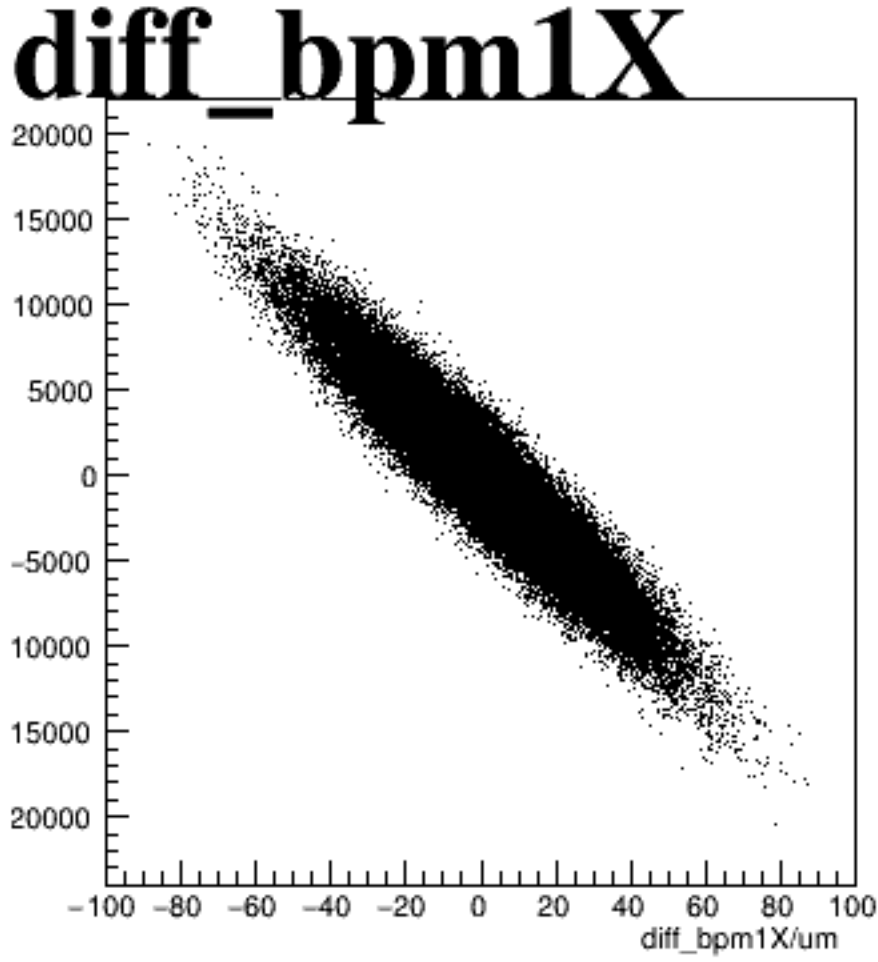
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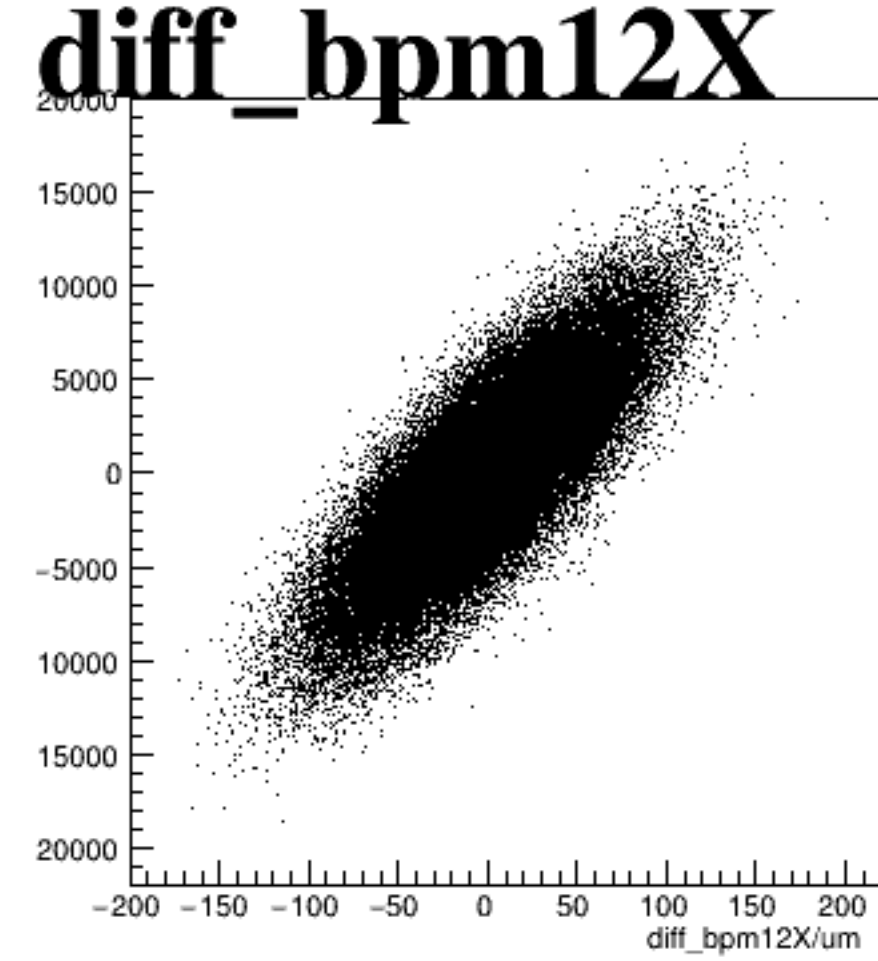
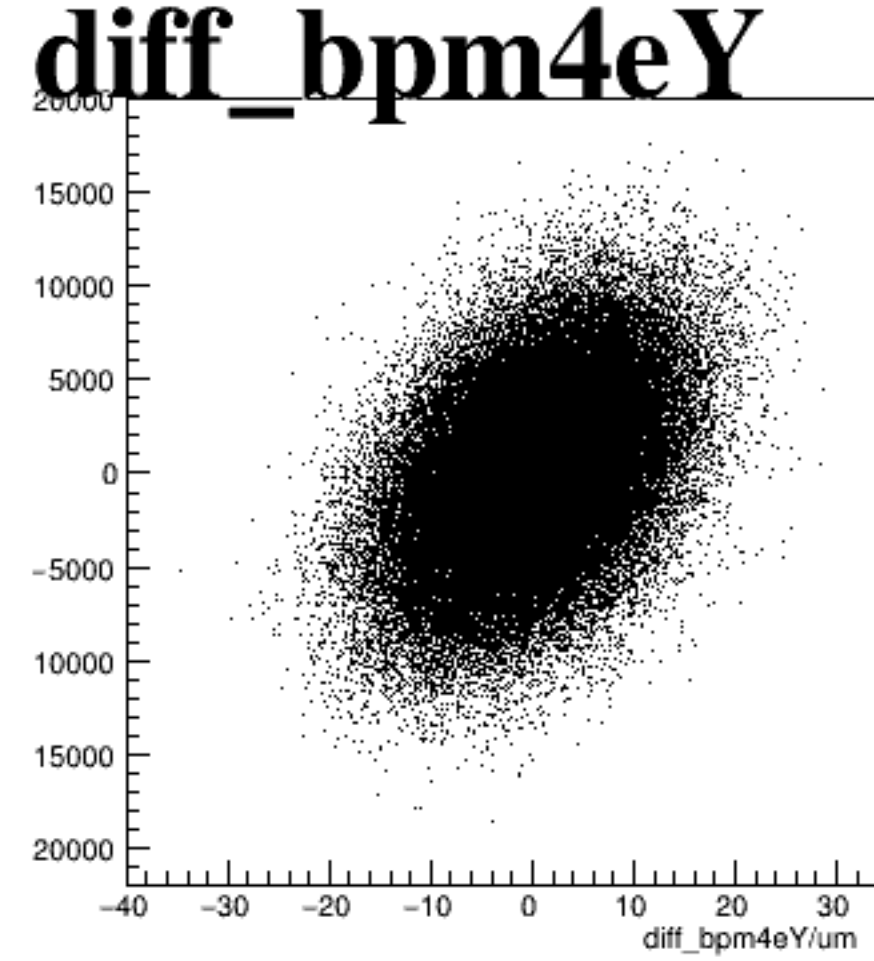
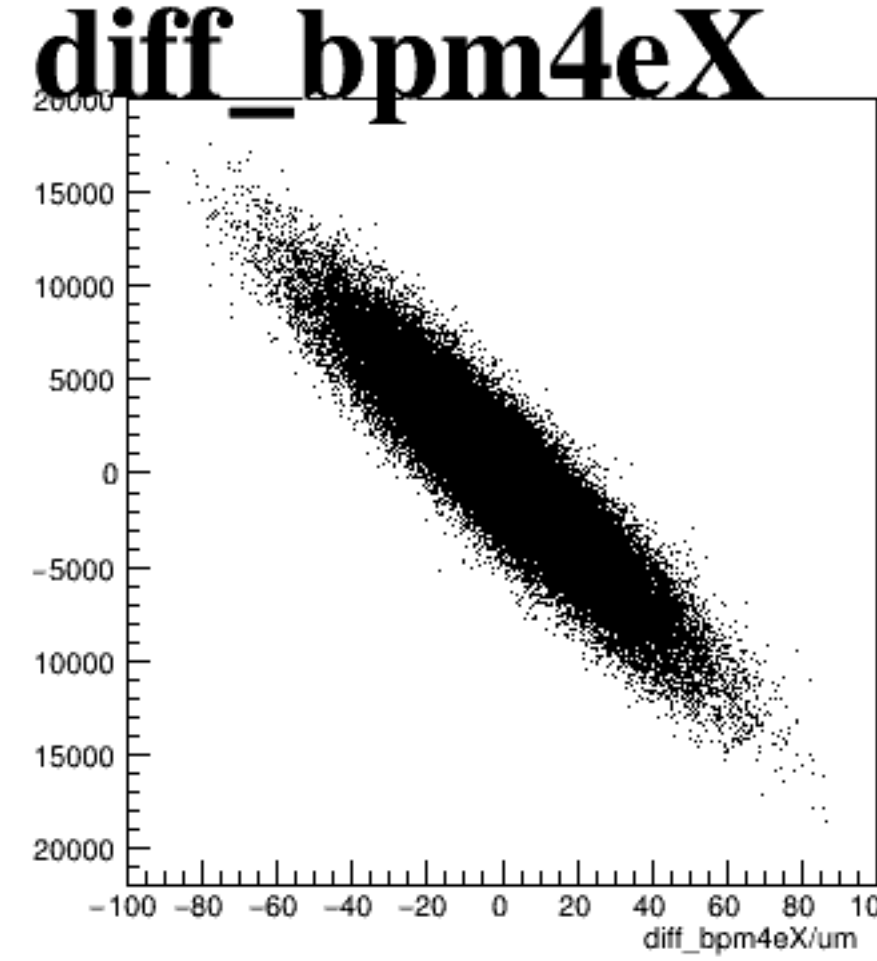
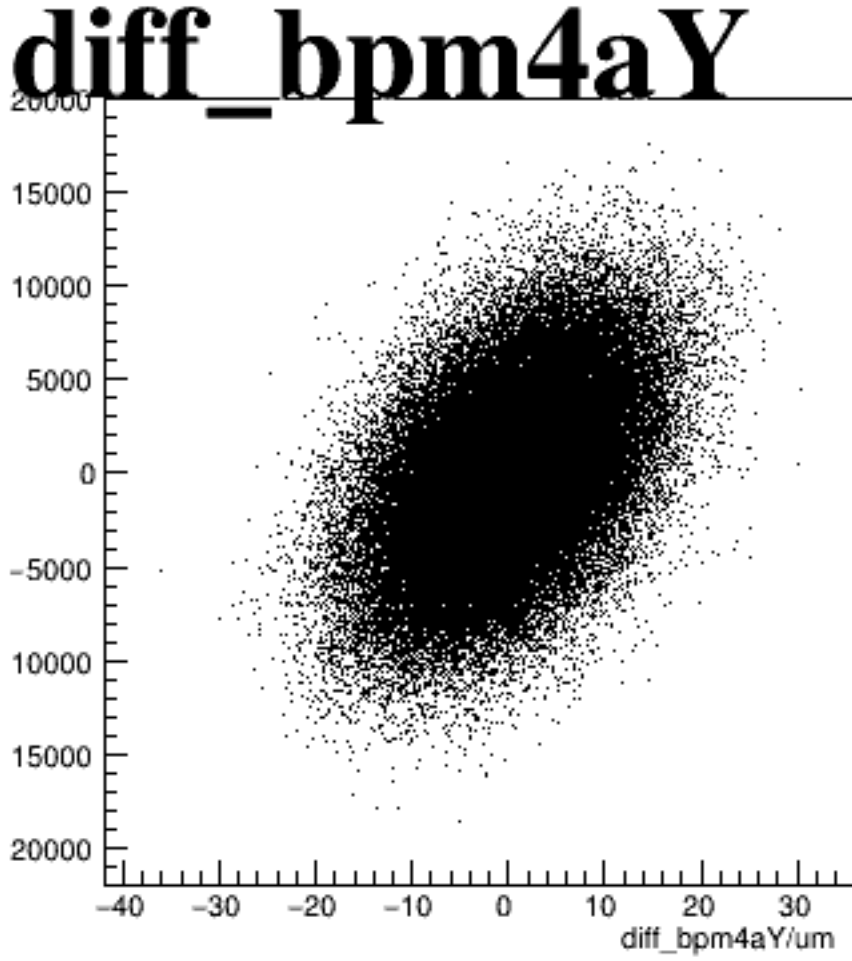
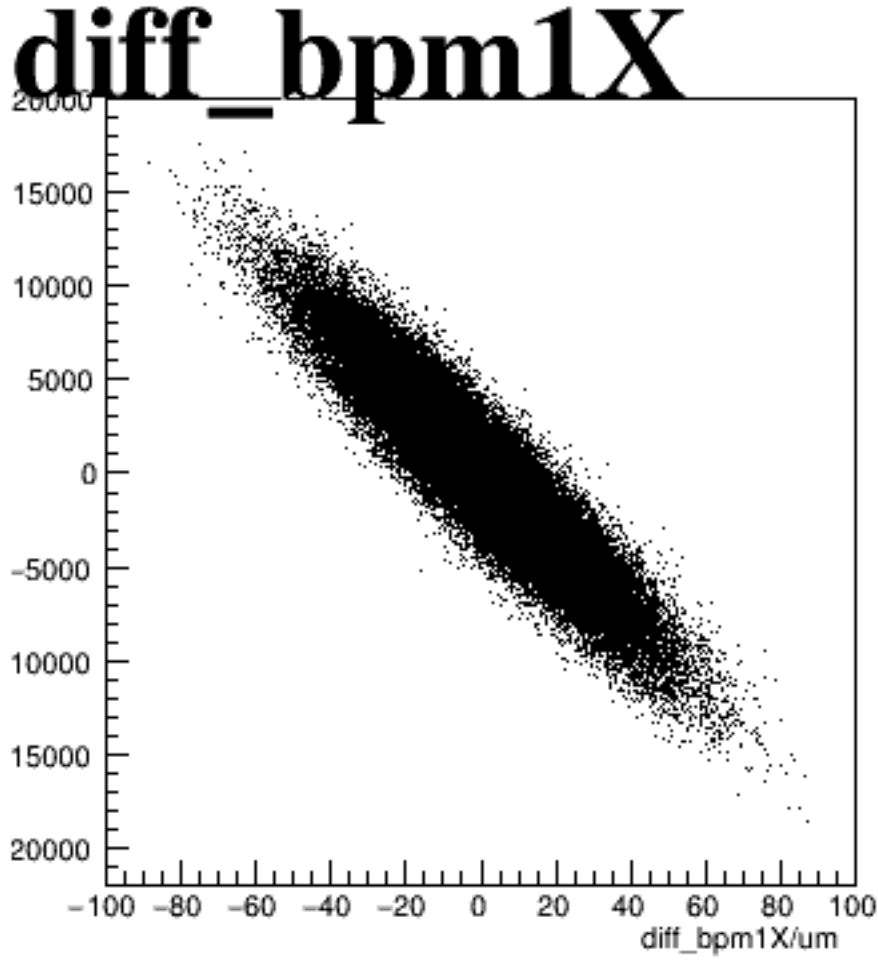
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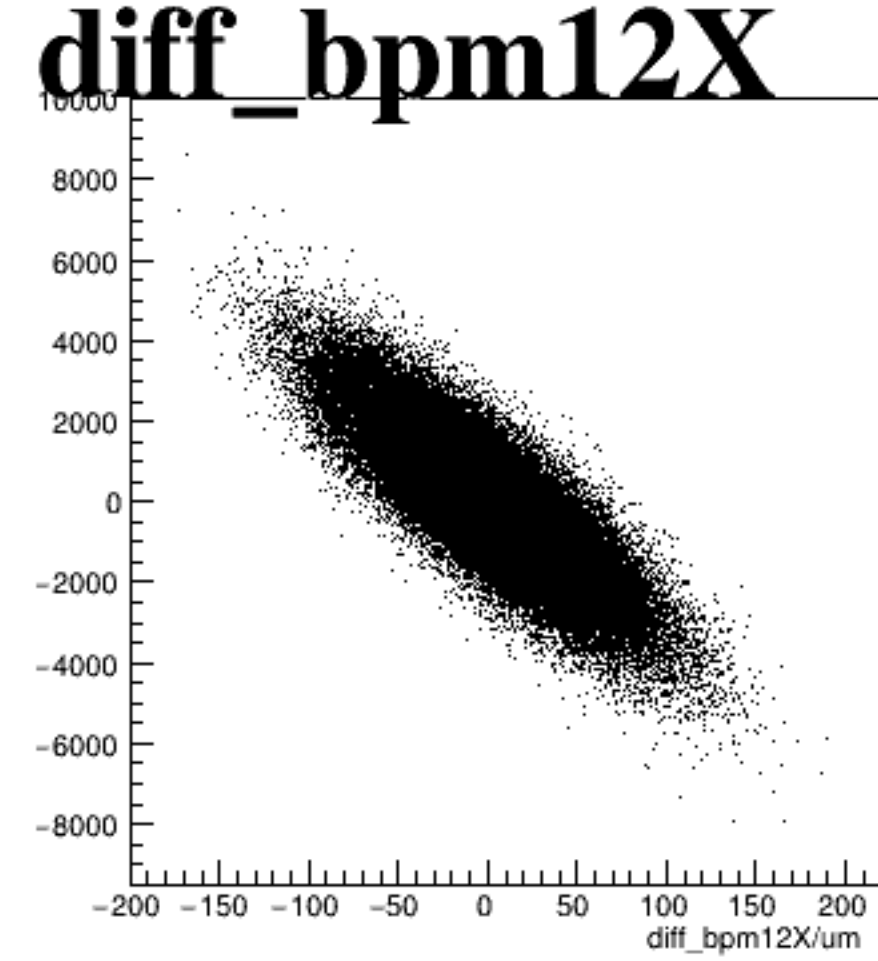
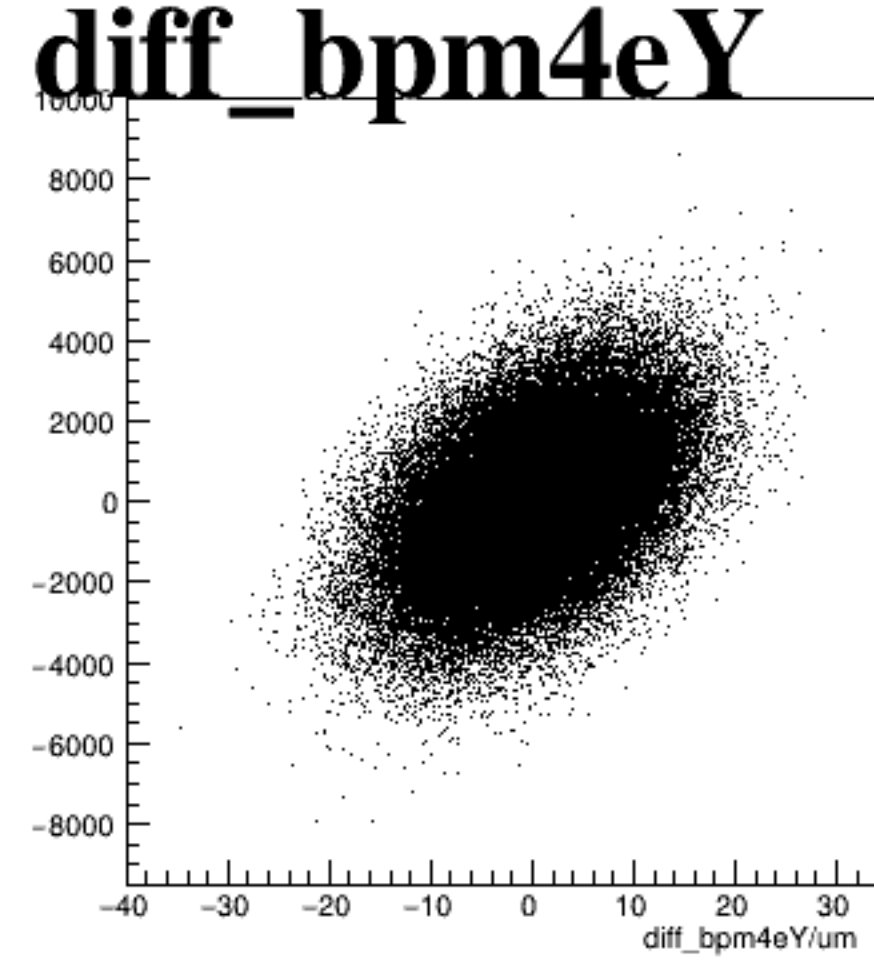
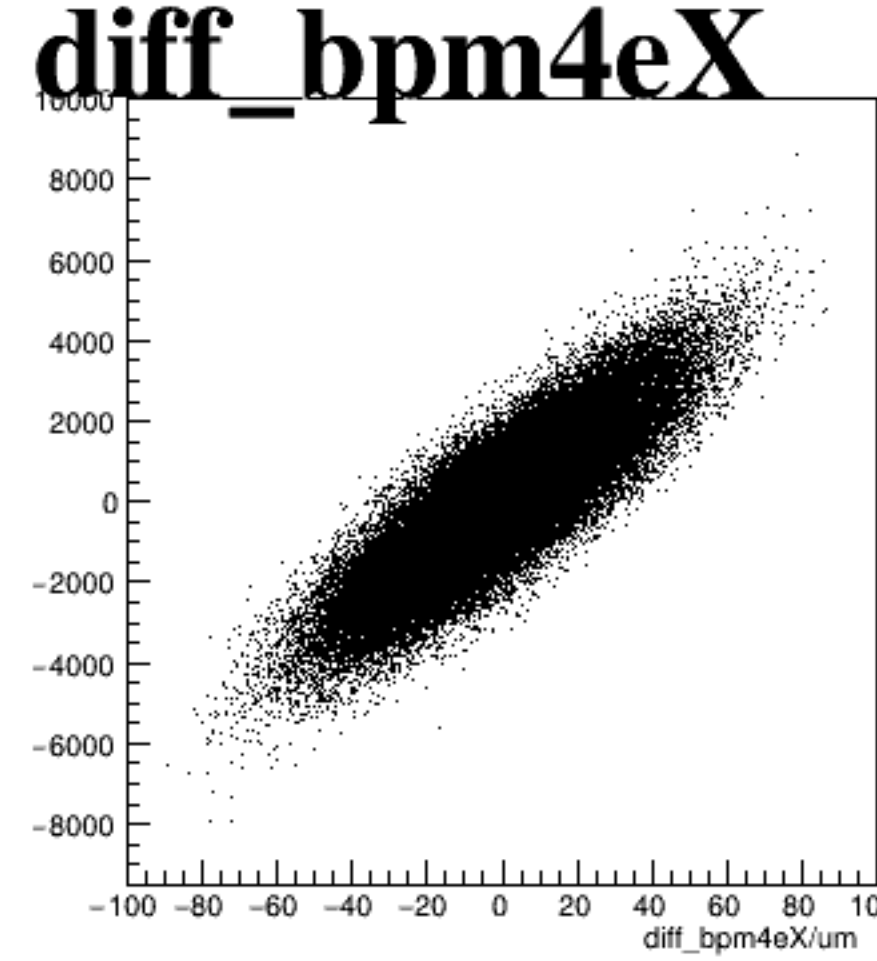
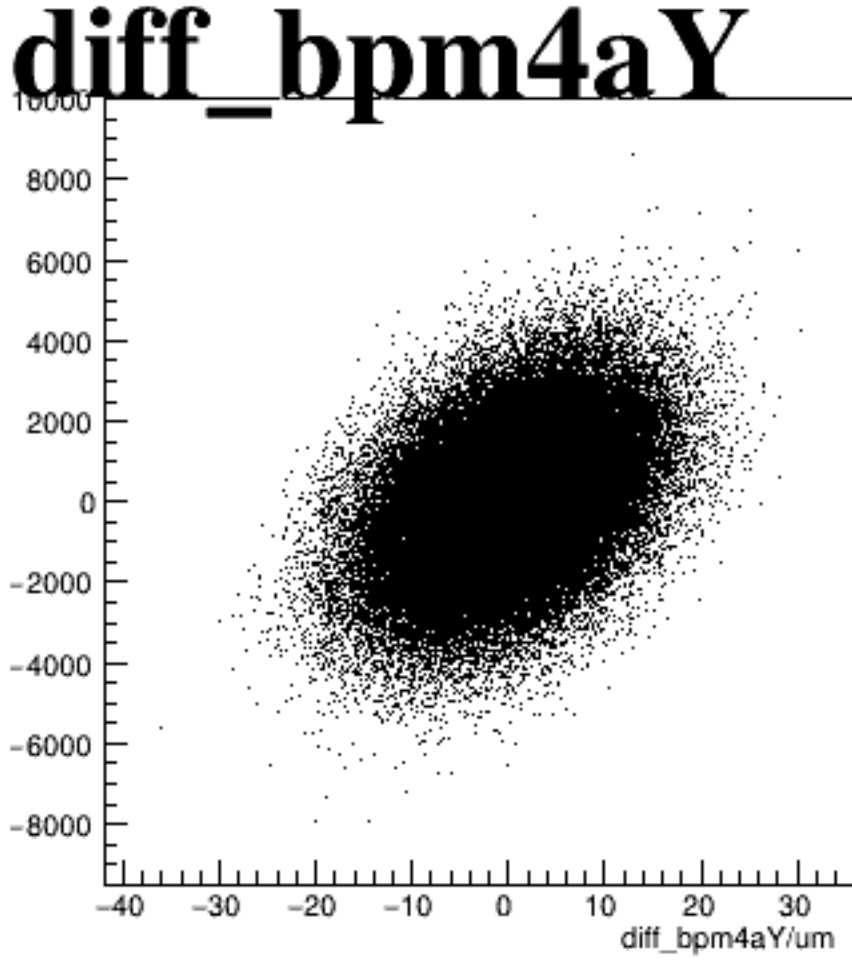
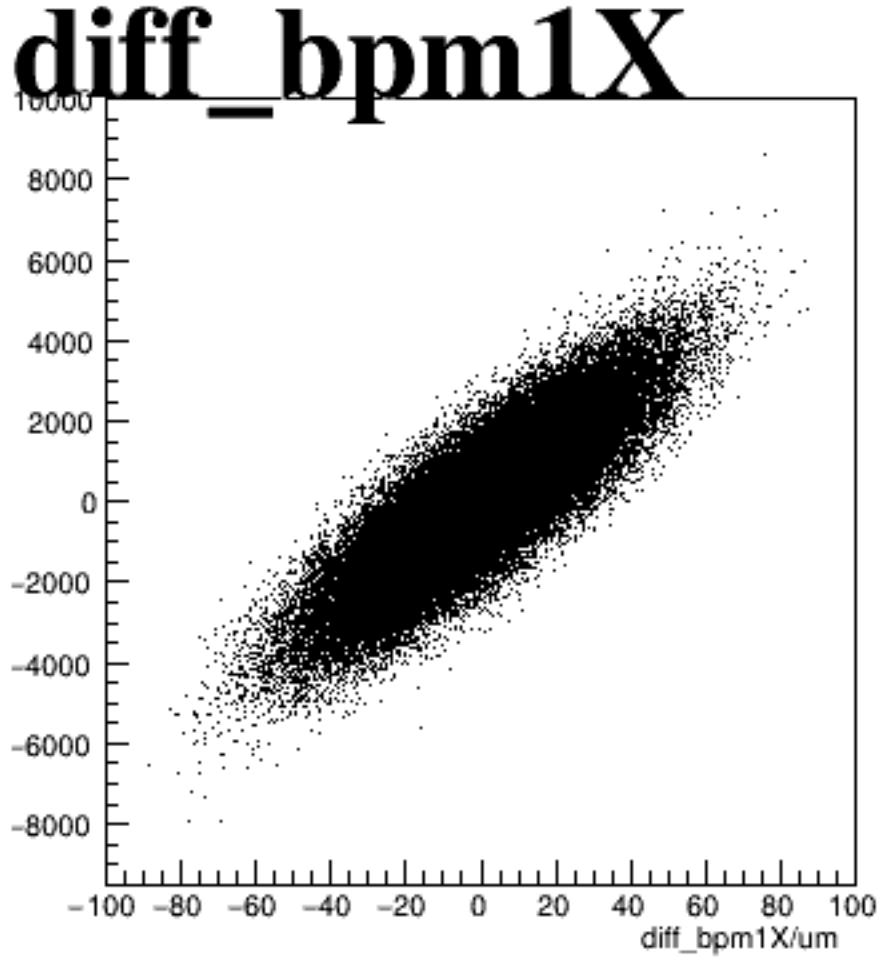
asym_sam2



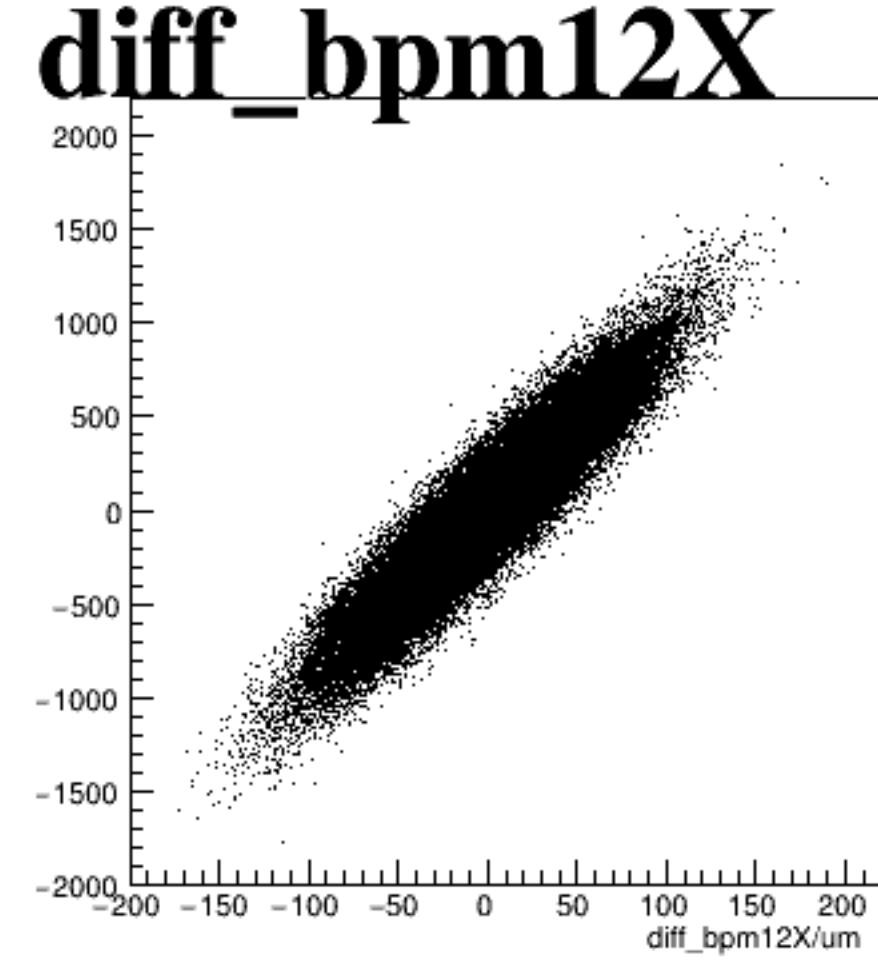
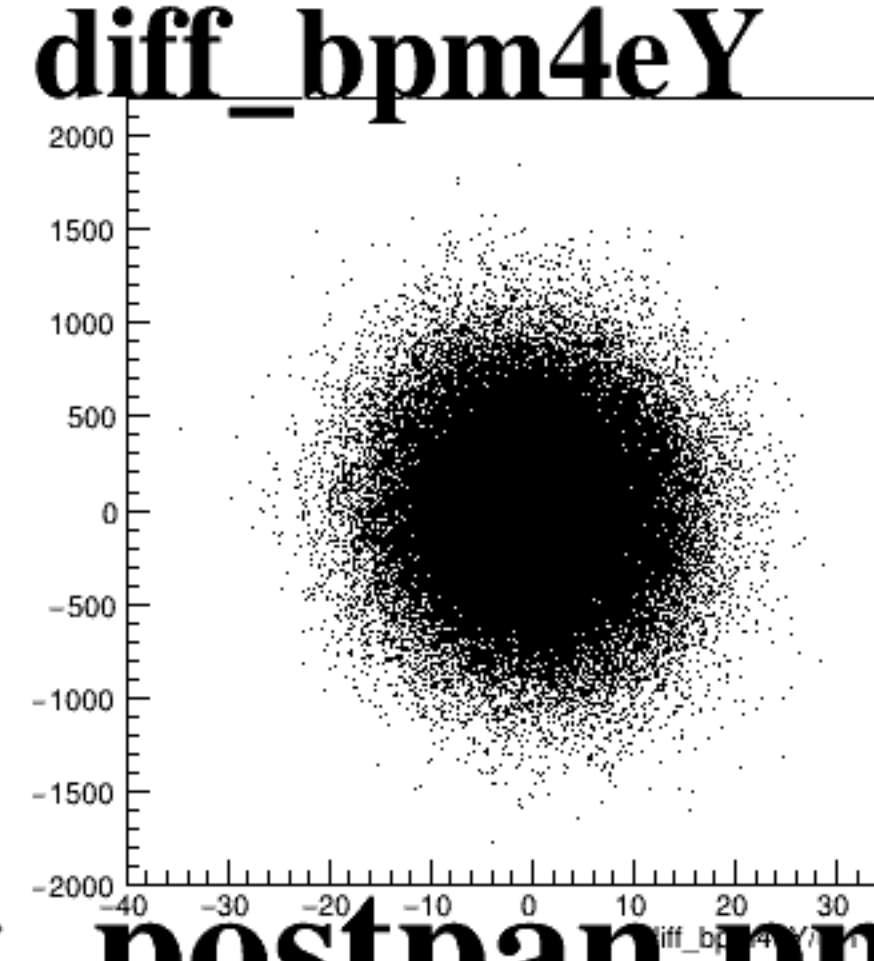
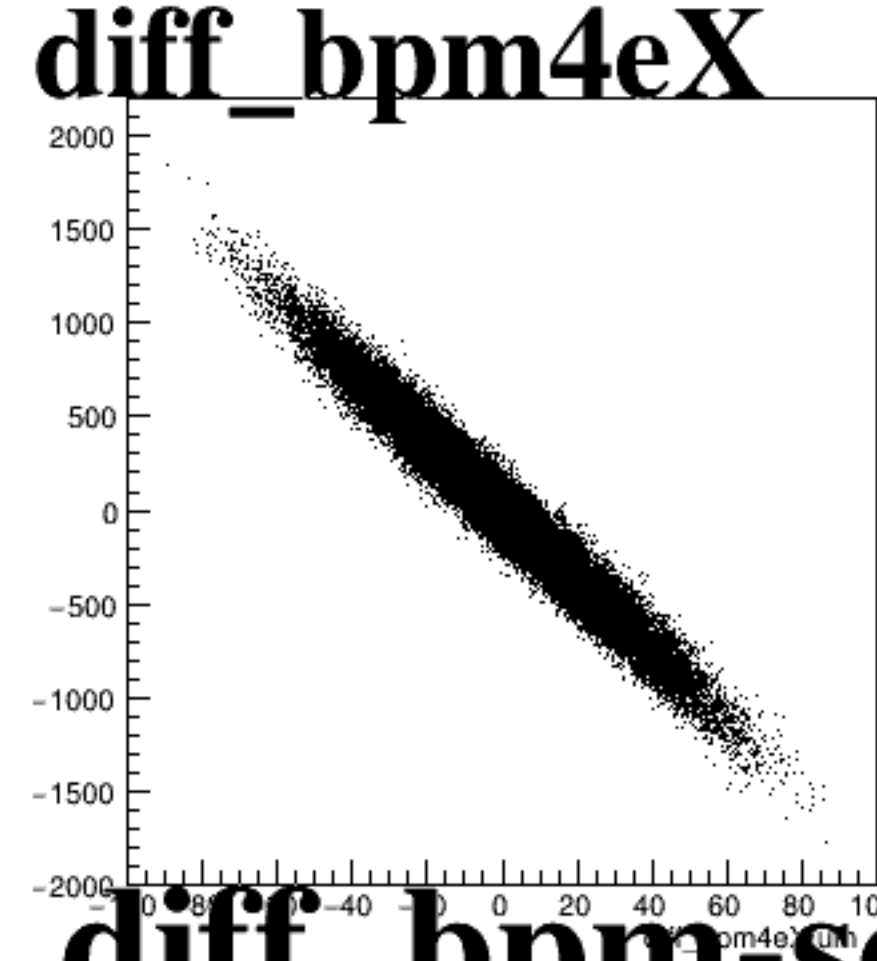
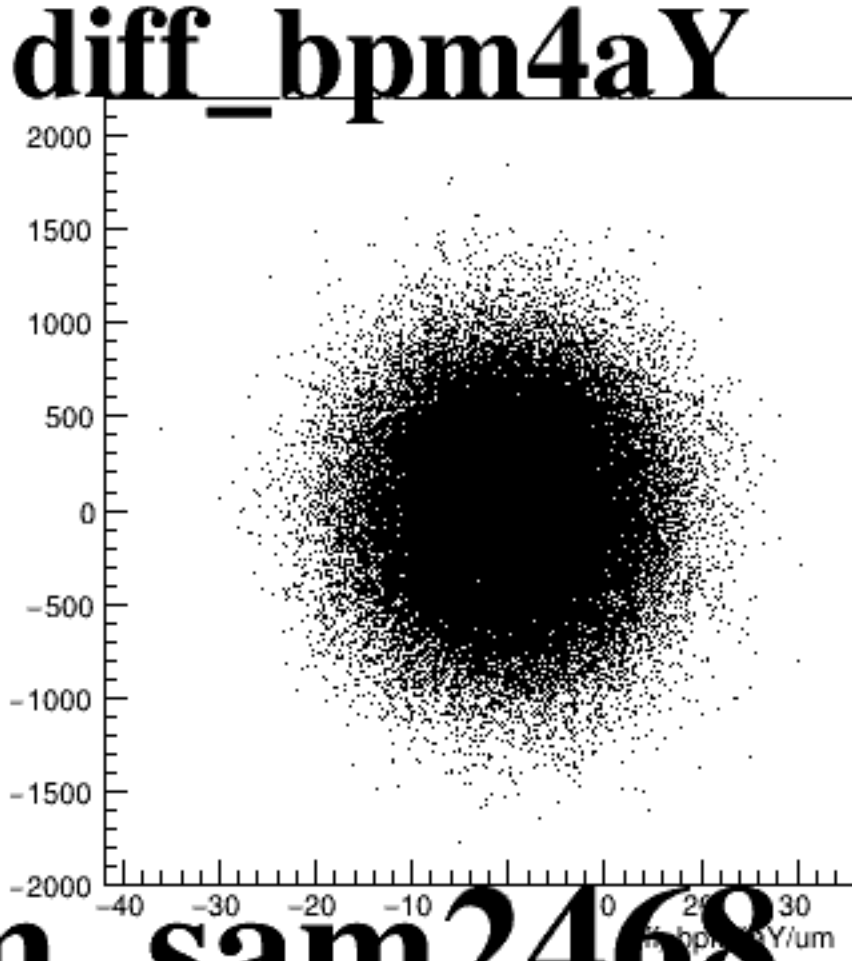
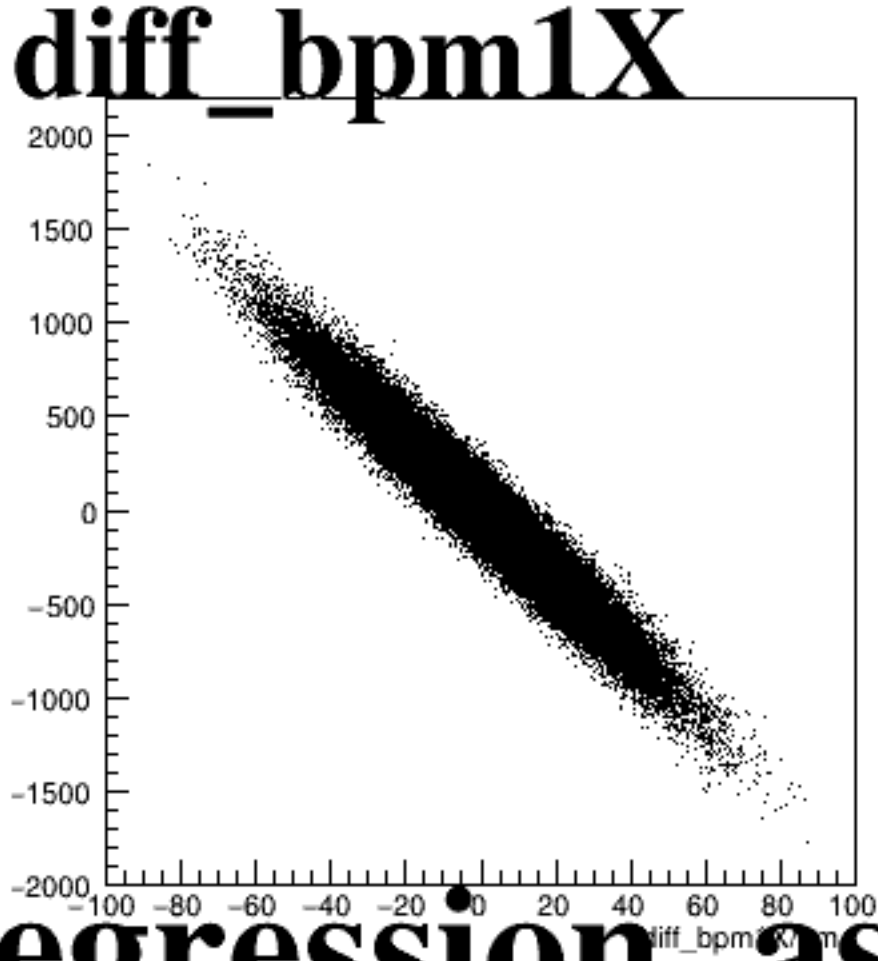
asym_sam4



asym_sam6



asym_sam8



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

- diff_bpm1X**: The x-axis is labeled $\text{diff_bpm1X}/\mu\text{m}$ and ranges from -100 to 100. The y-axis ranges from -2000 to 3000.
- diff_bpm4aY**: The x-axis is labeled $\text{diff_bpm4aY}/\mu\text{m}$ and ranges from -40 to 30. The y-axis ranges from -2000 to 3000.
- diff_bpm4eX**: The x-axis is labeled $\text{diff_bpm4eX}/\mu\text{m}$ and ranges from -100 to 100. The y-axis ranges from -2000 to 3000.
- diff_bpm4eY**: The x-axis is labeled $\text{diff_bpm4eY}/\mu\text{m}$ and ranges from -40 to 30. The y-axis ranges from -2000 to 3000.
- diff_bpm12X**: The x-axis is labeled $\text{diff_bpm12X}/\mu\text{m}$ and ranges from -200 to 200. The y-axis ranges from -2000 to 3000.

In all plots, the data points form a dense, roughly elliptical cloud centered at the origin (0,0). The distribution is wider along the x-axis than the y-axis in all cases.

diff_bpm1X

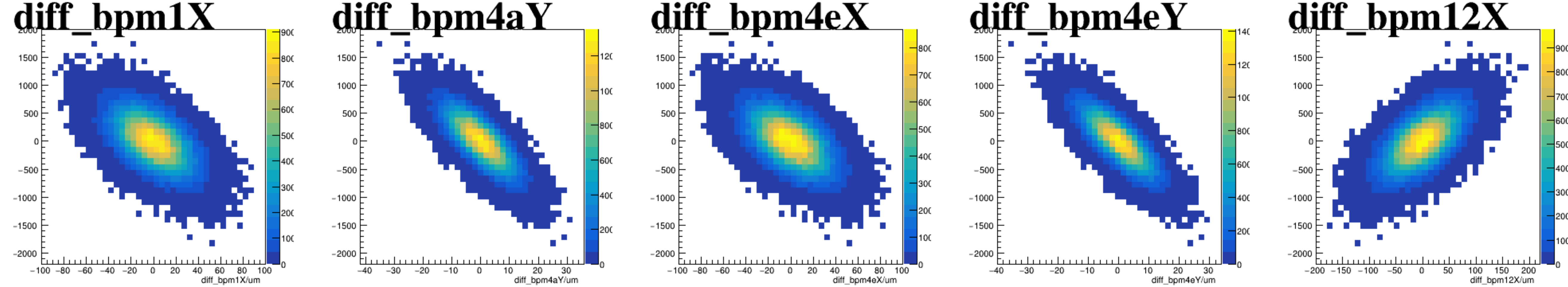
diff_bpm4aY

diff_bpm4eX

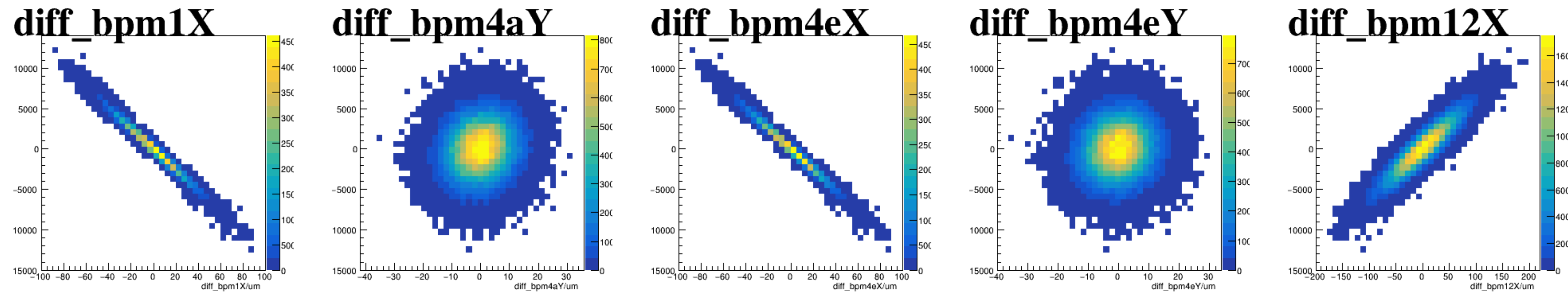
diff_bpm4eY

diff_bpm12X

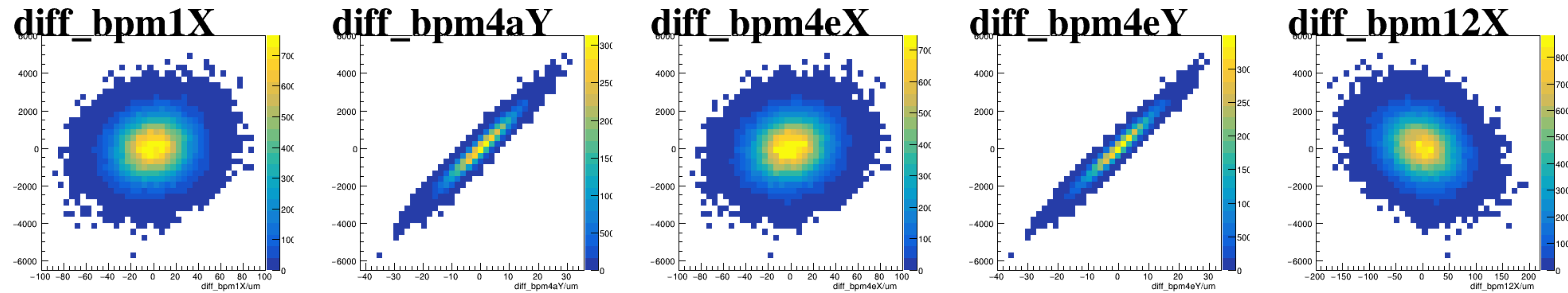
asym_sam1



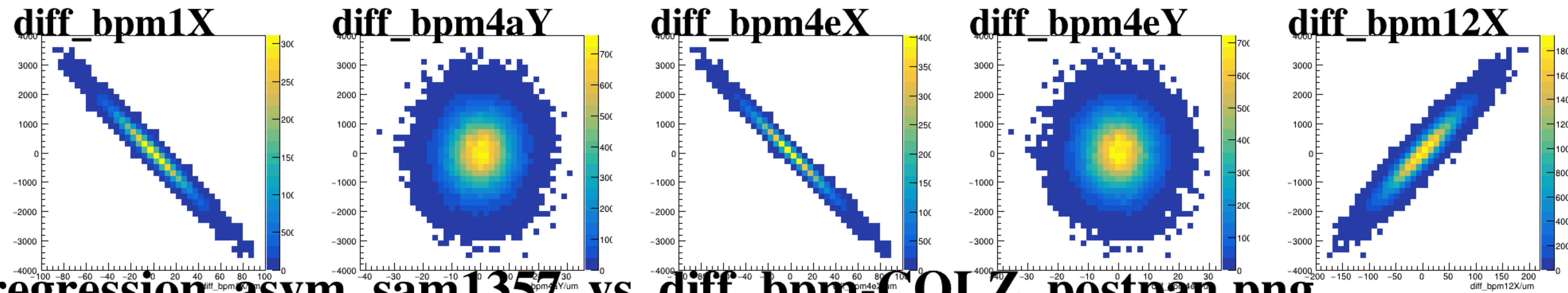
asym_sam3



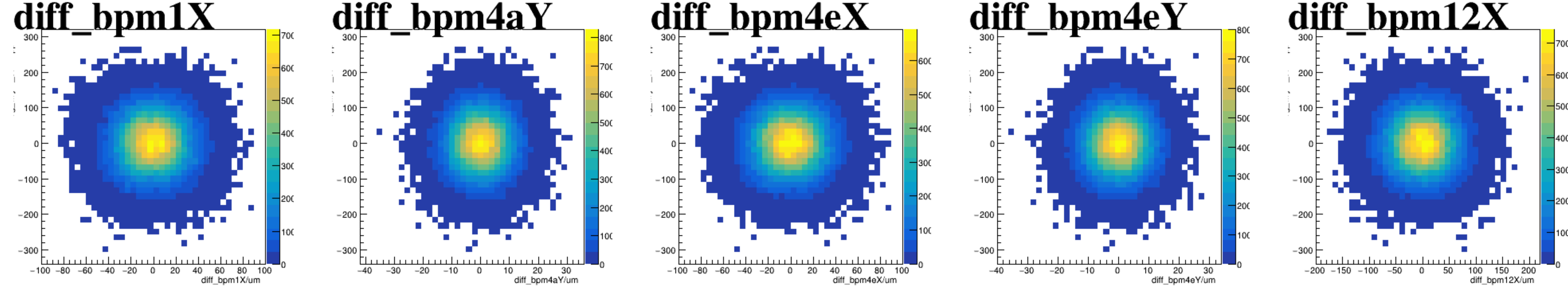
asym_sam5



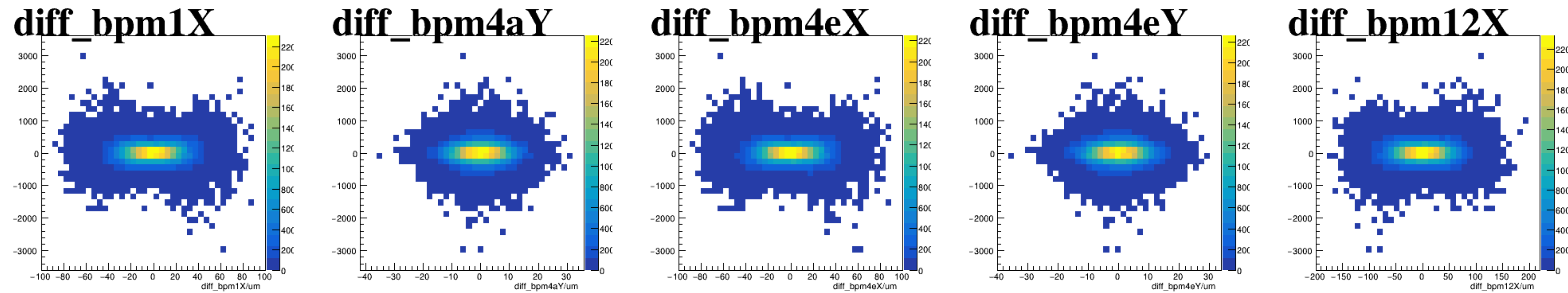
asym_sam7



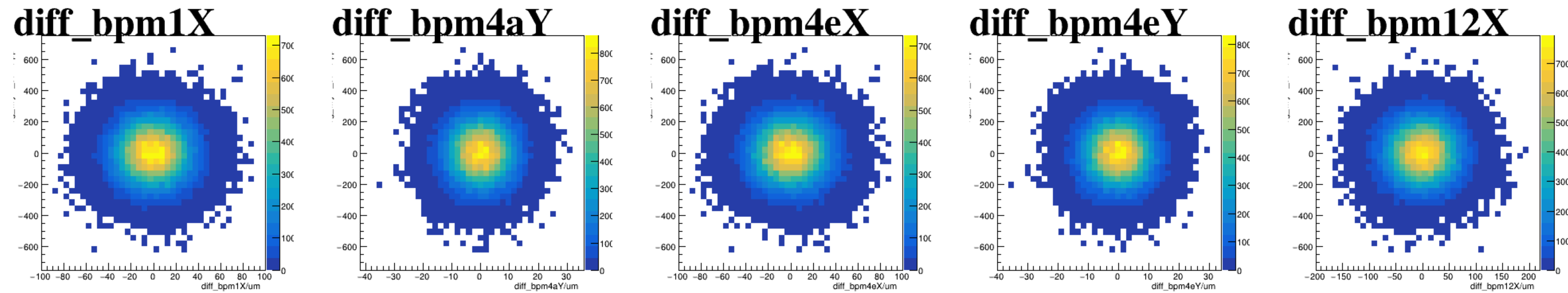
reg_asym_sam1



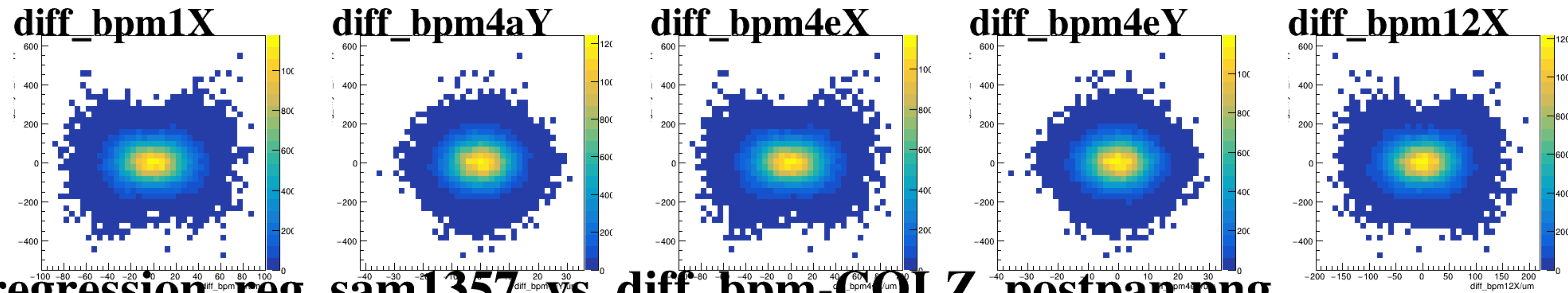
reg_asym_sam3



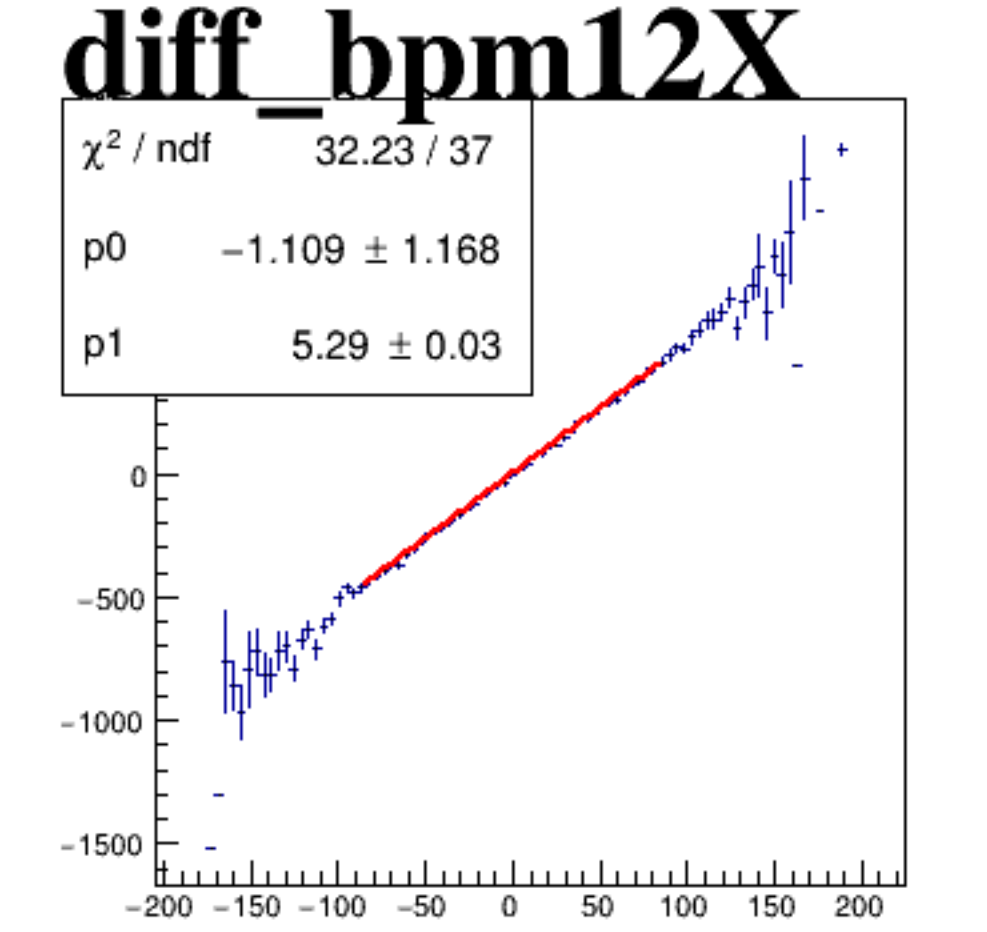
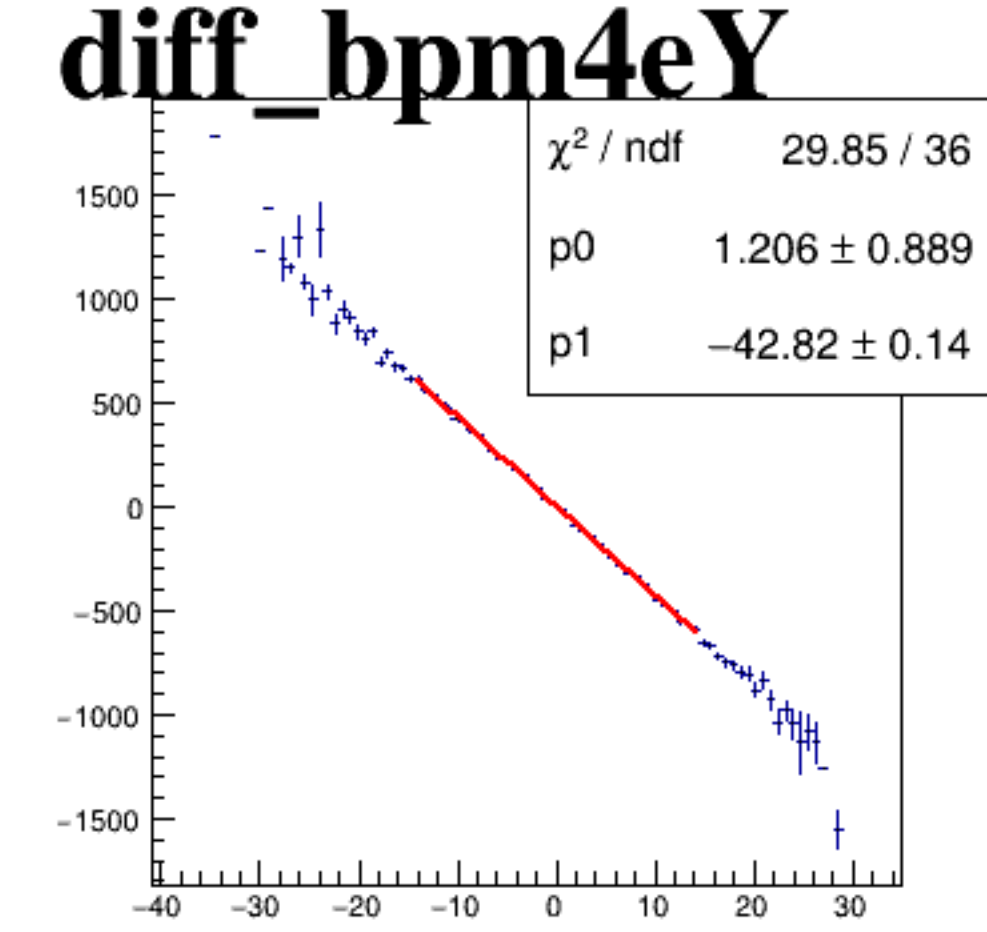
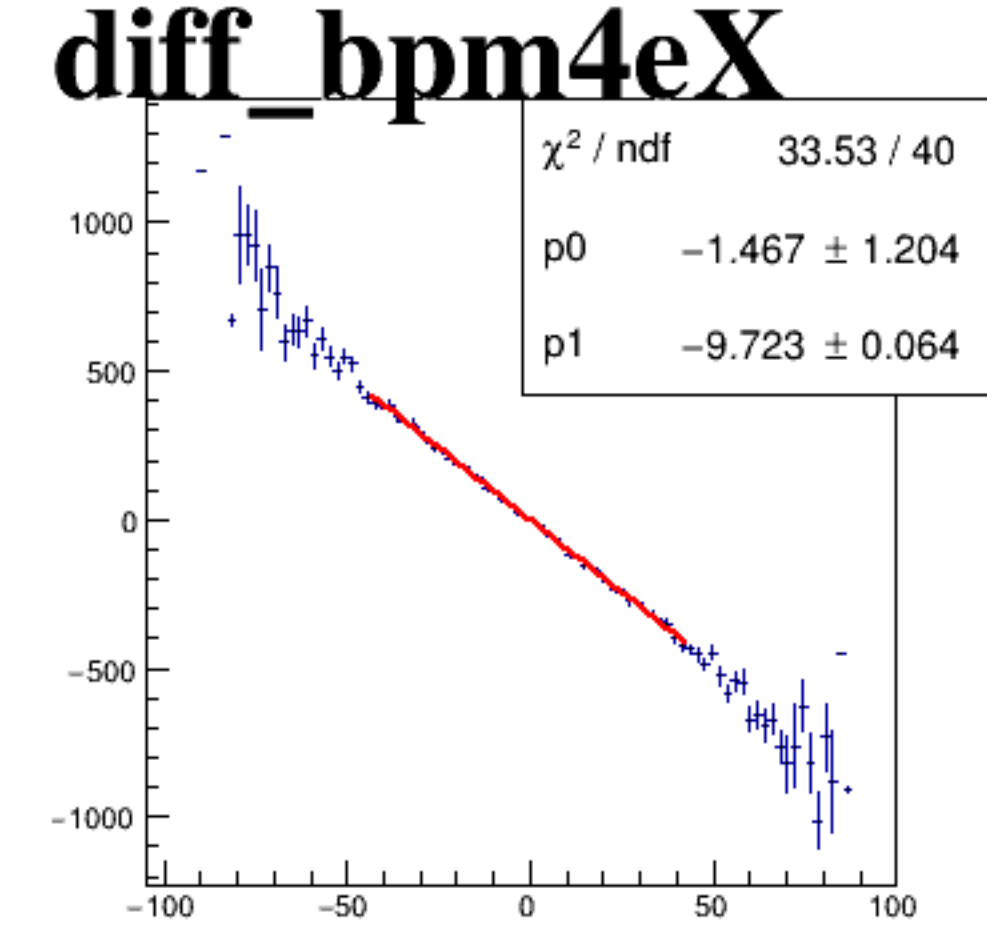
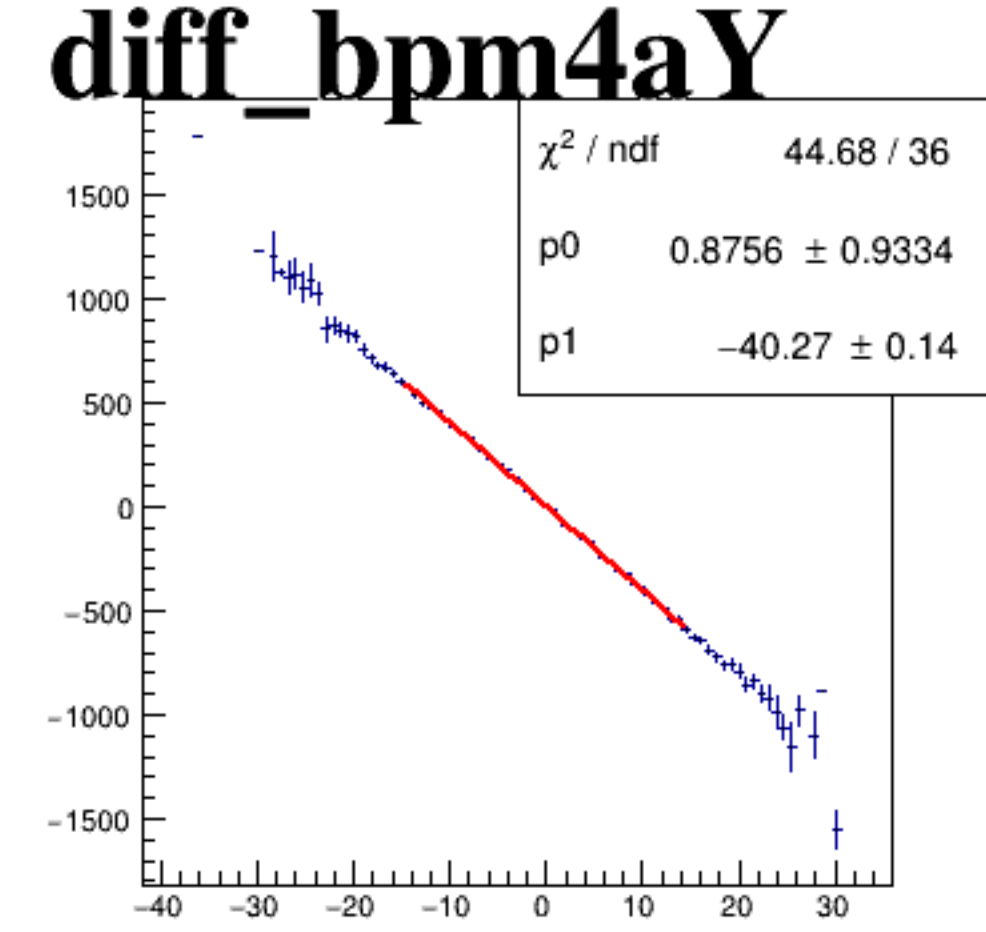
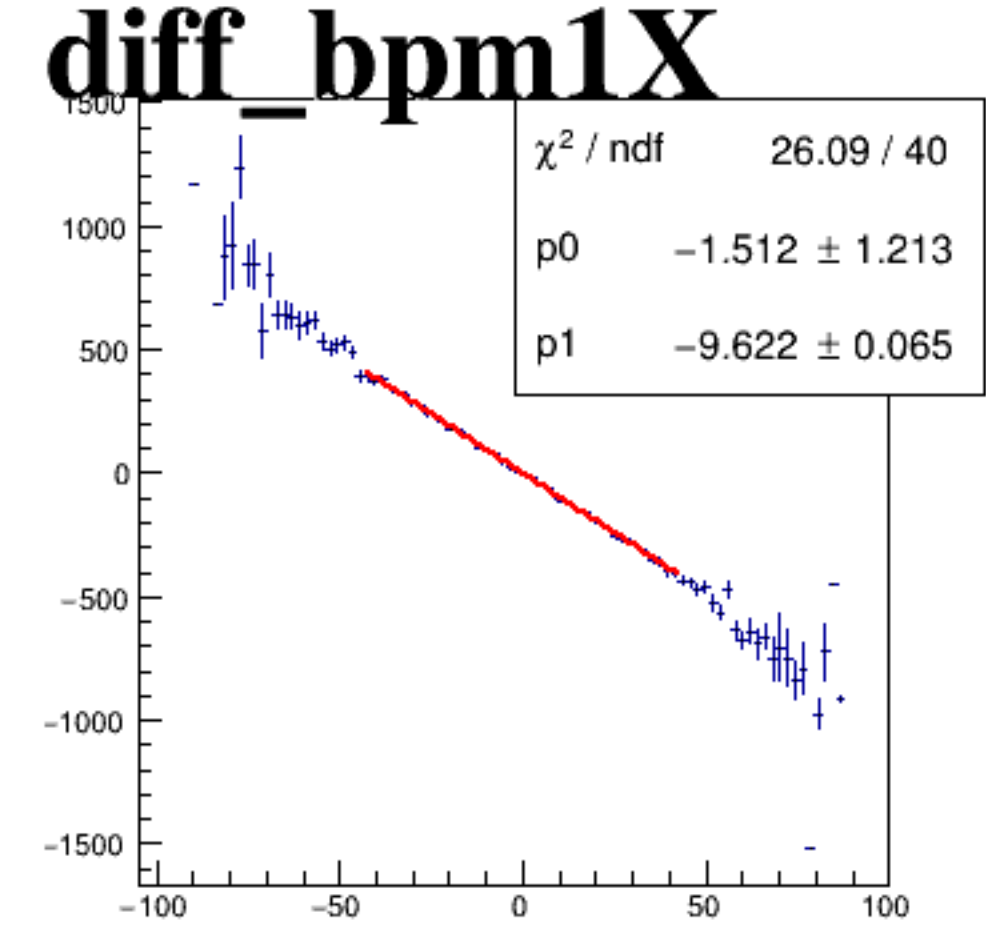
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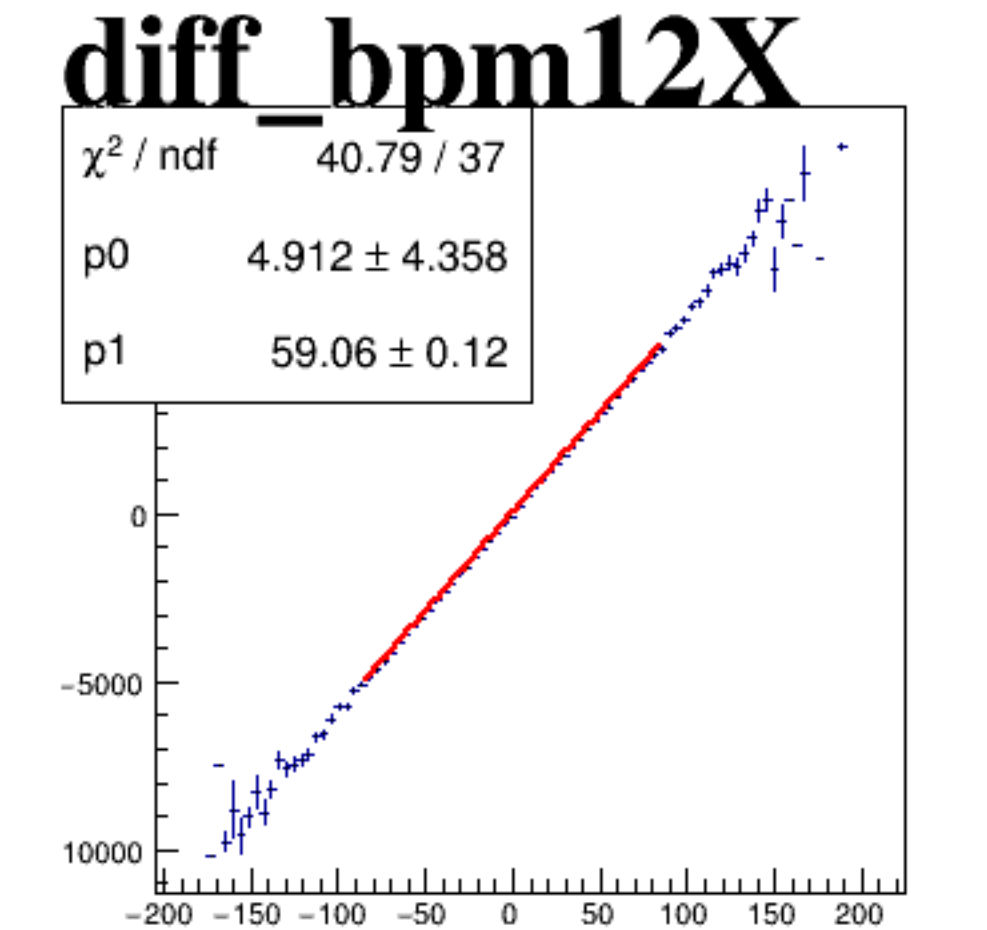
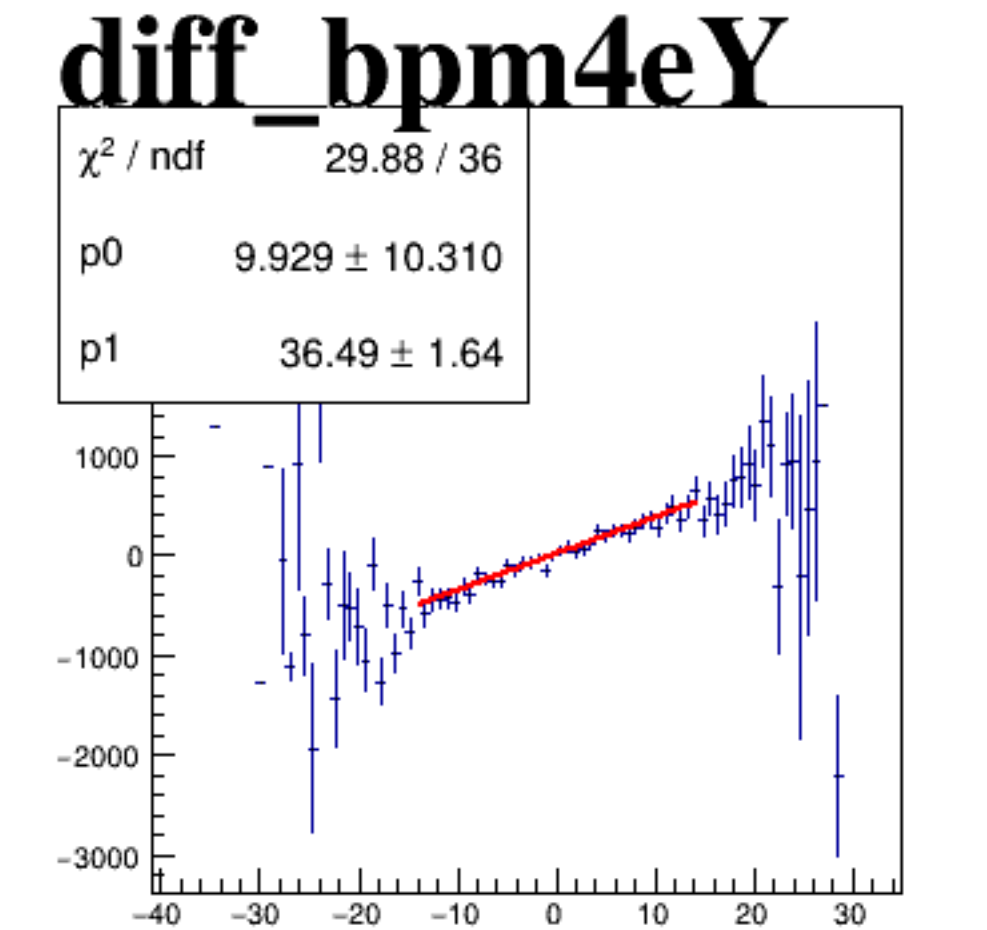
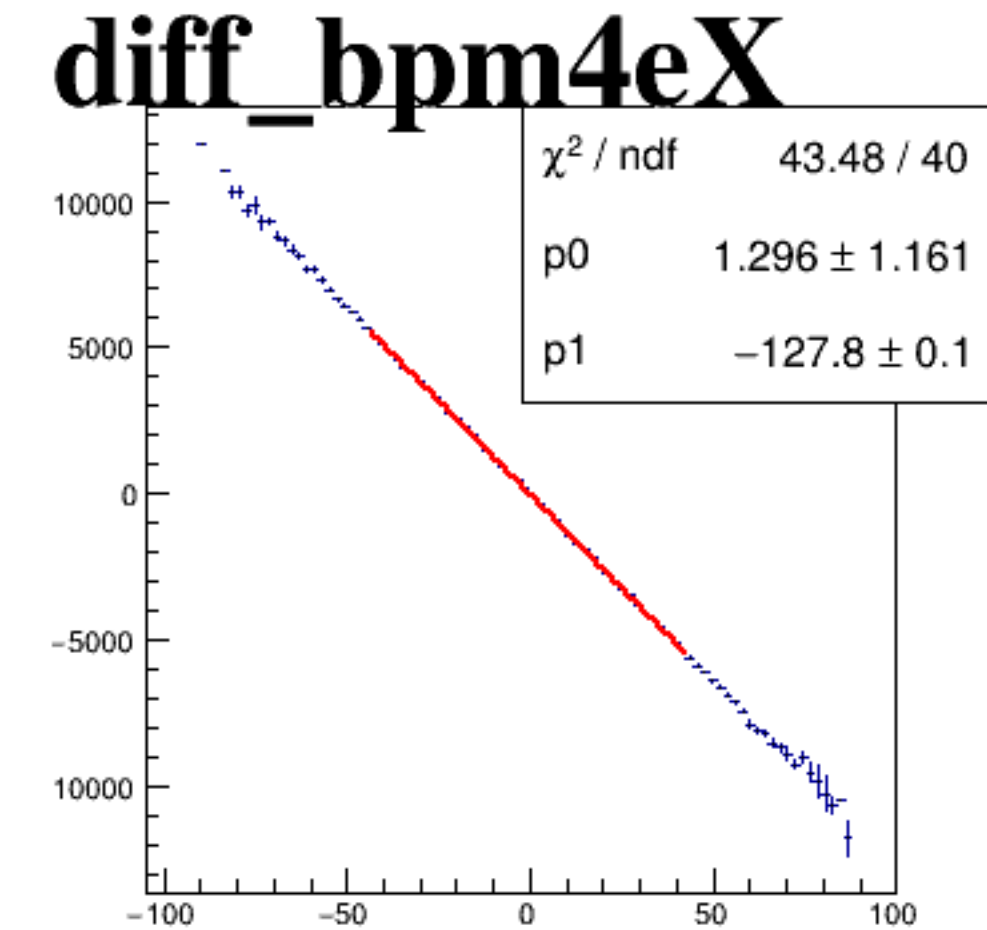
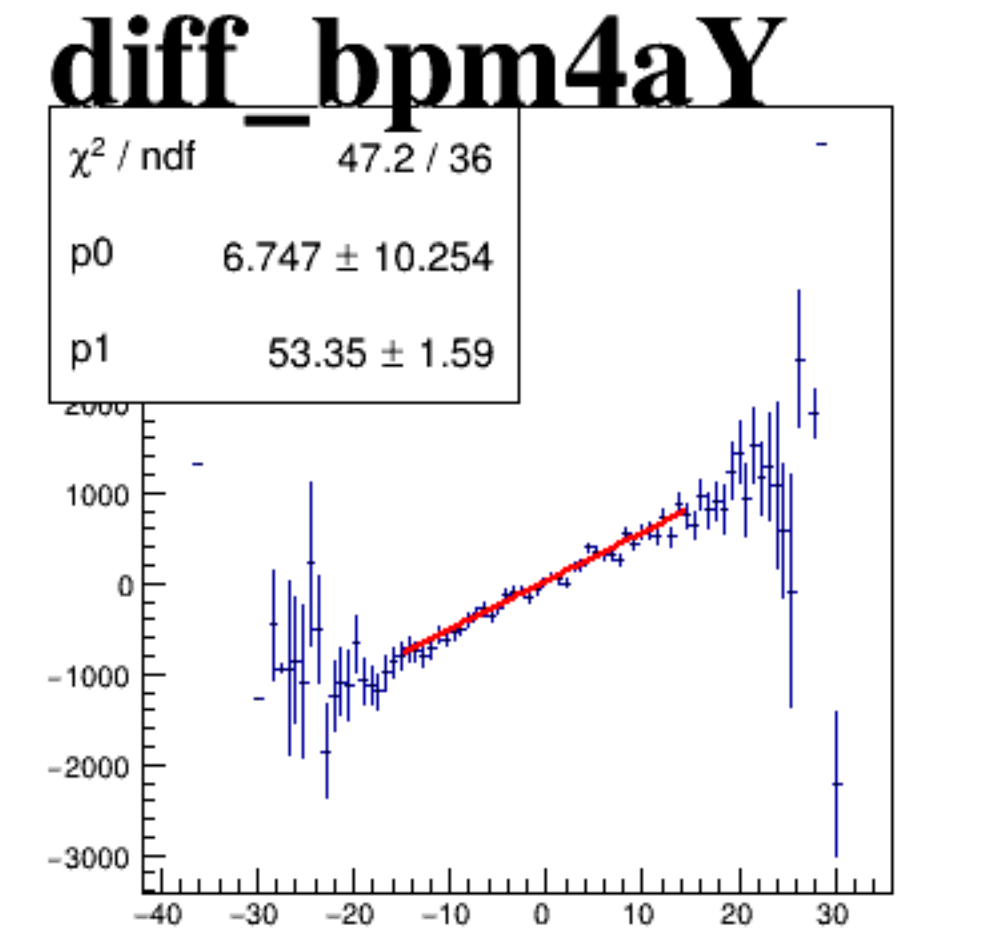
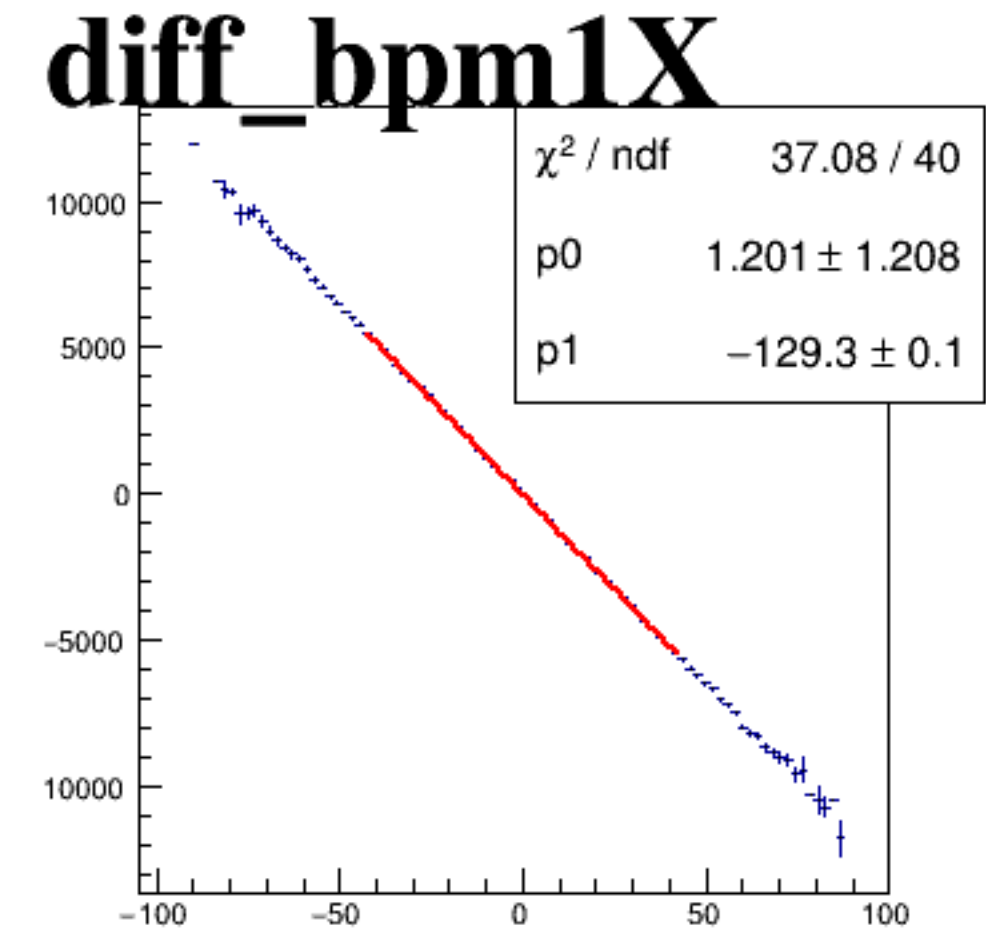
reg_asym_sam7



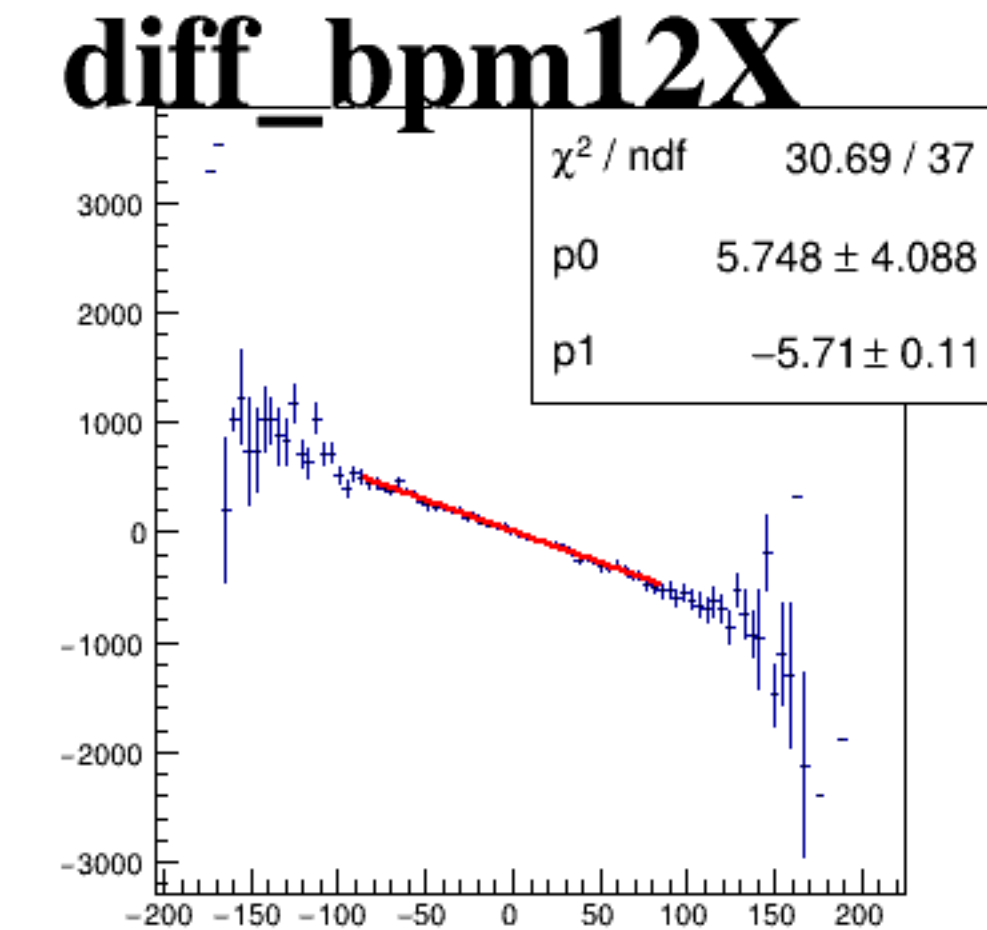
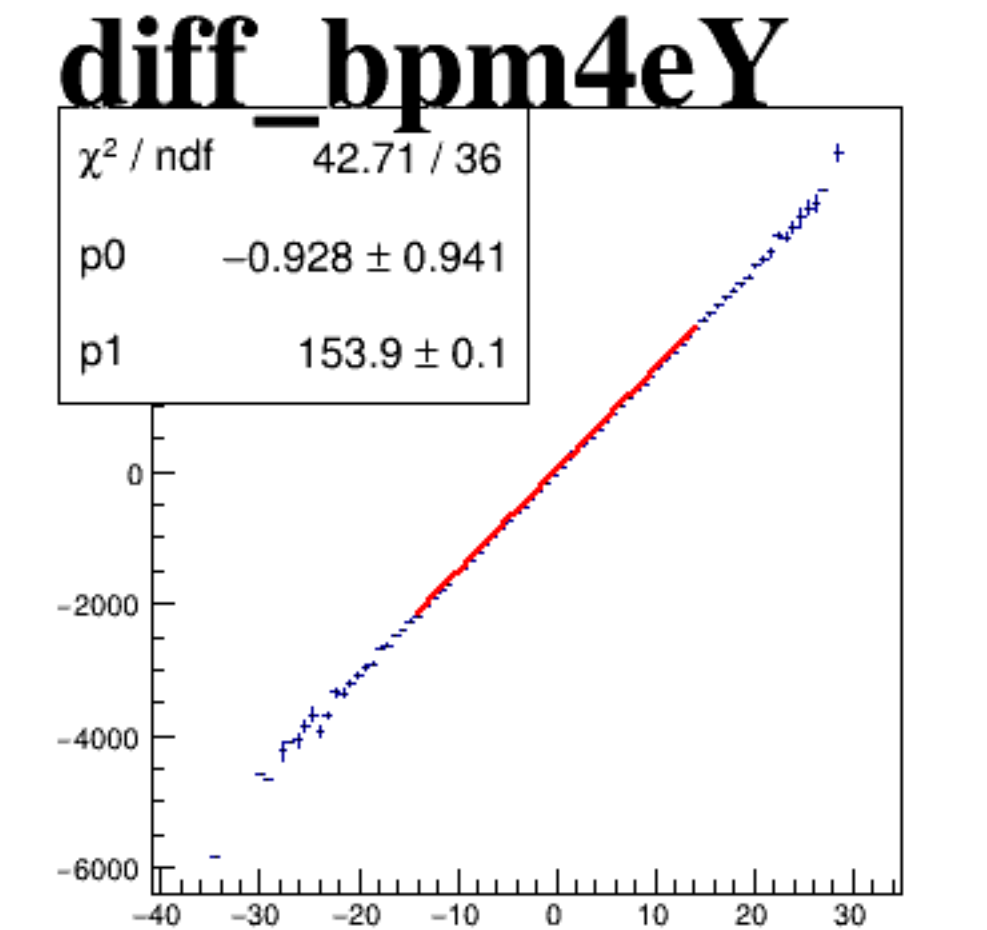
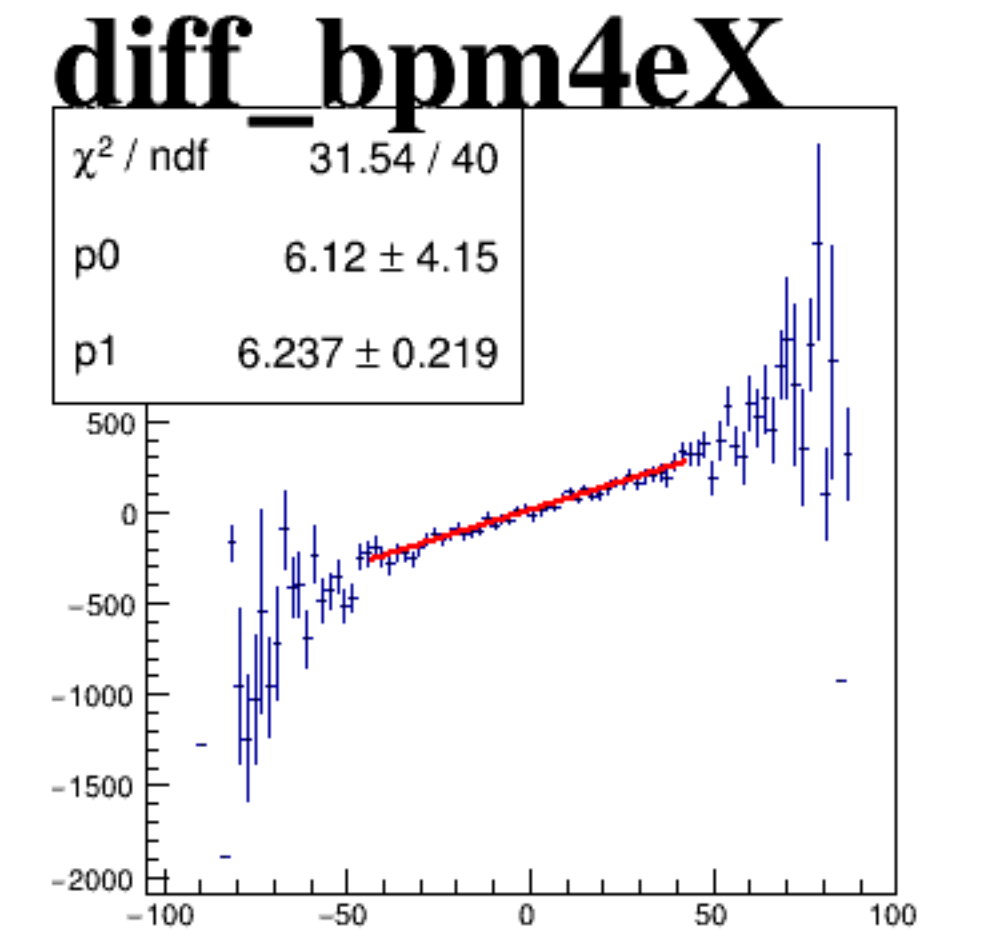
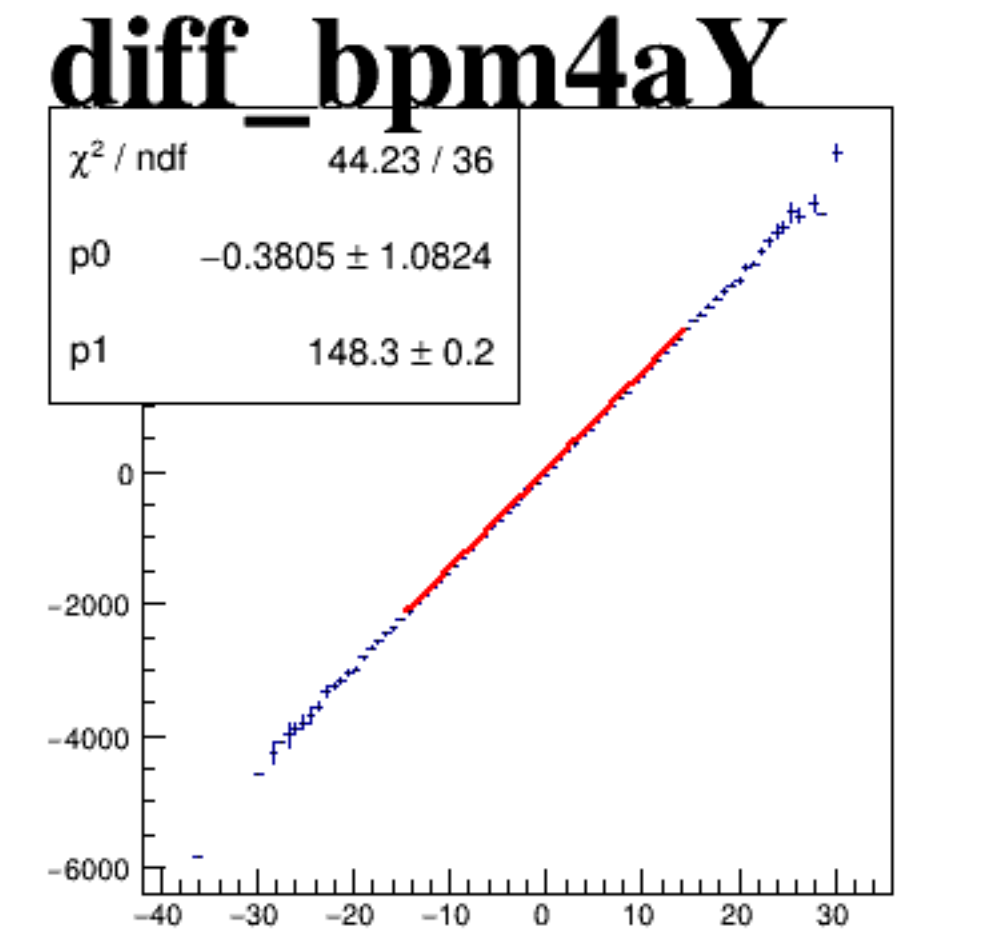
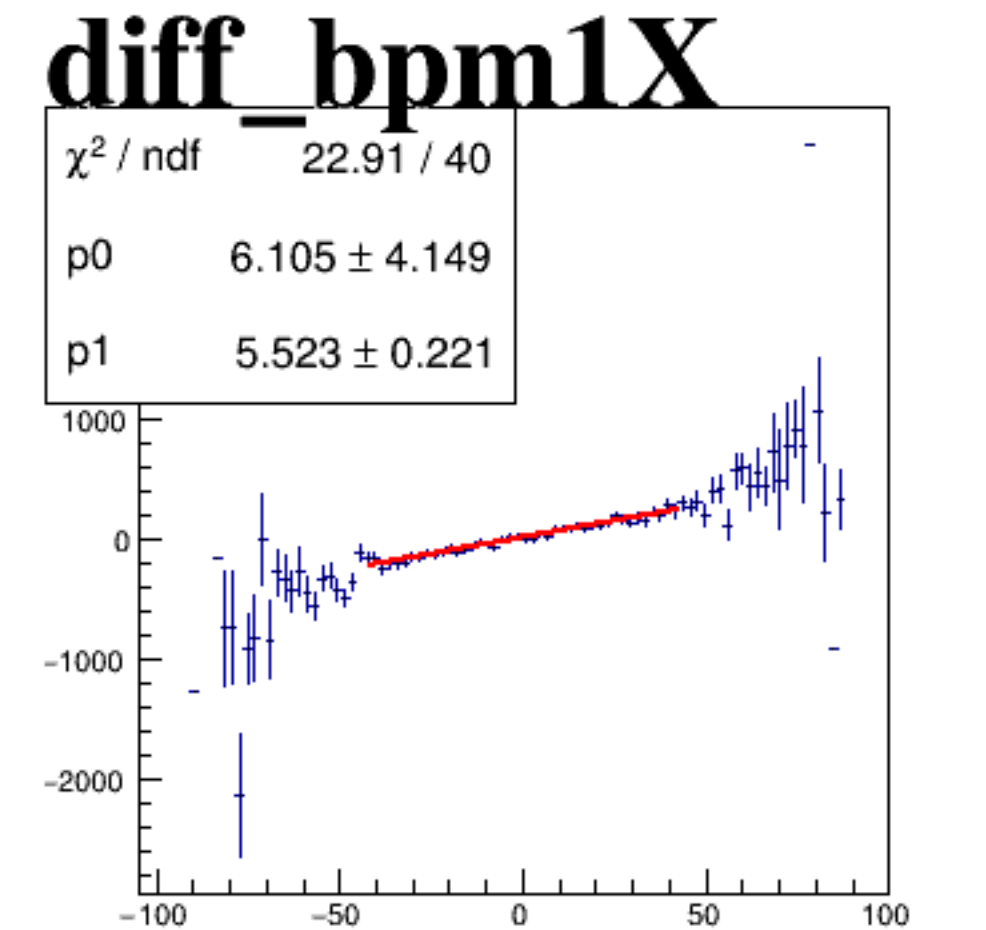
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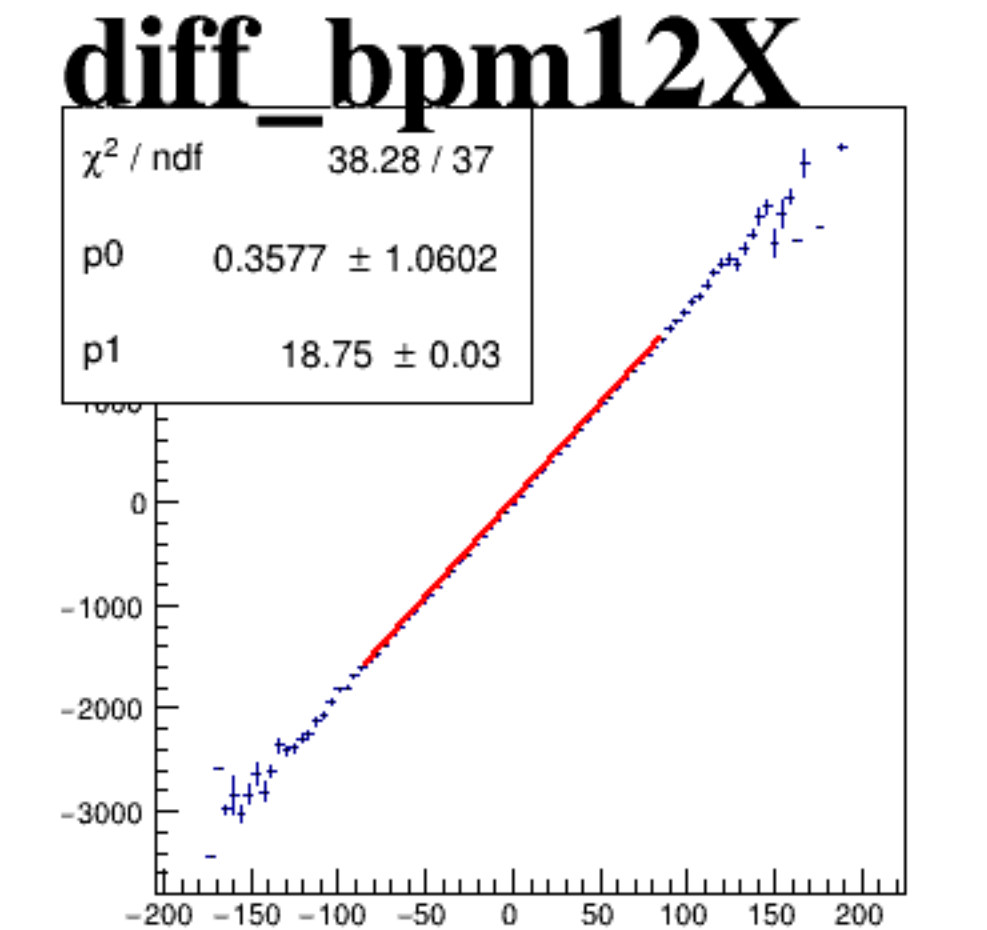
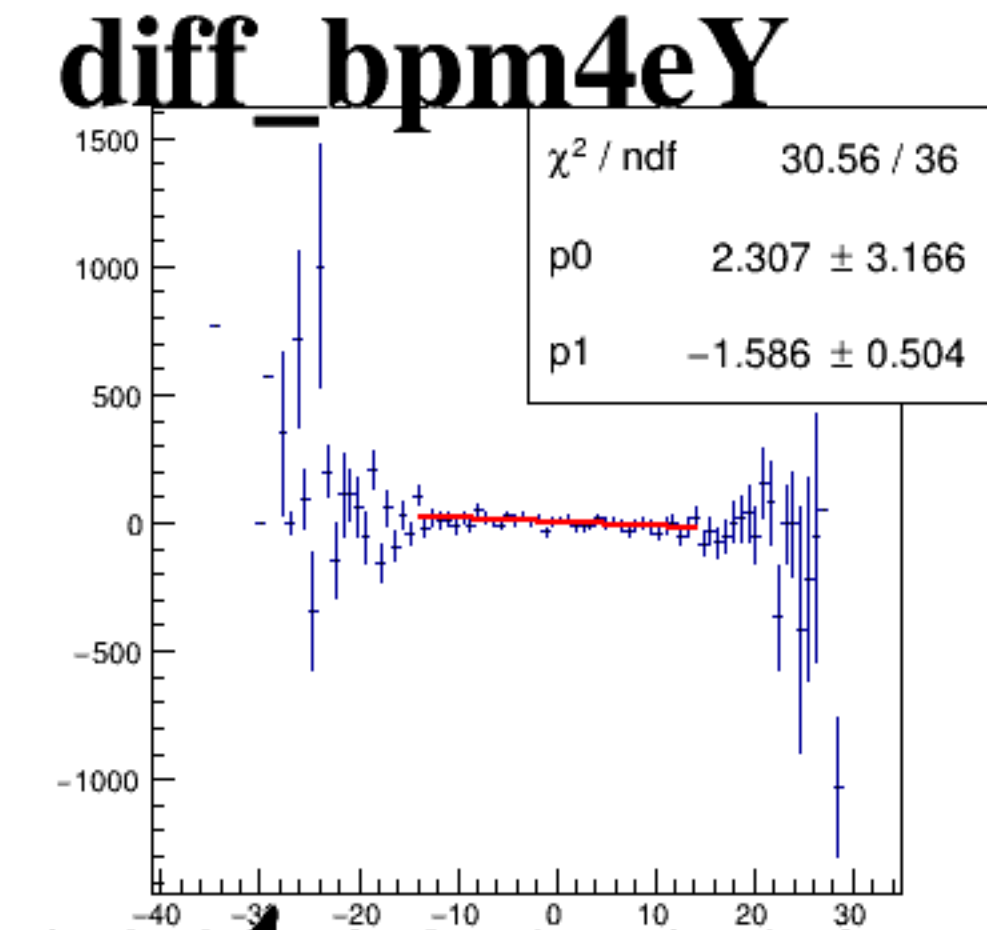
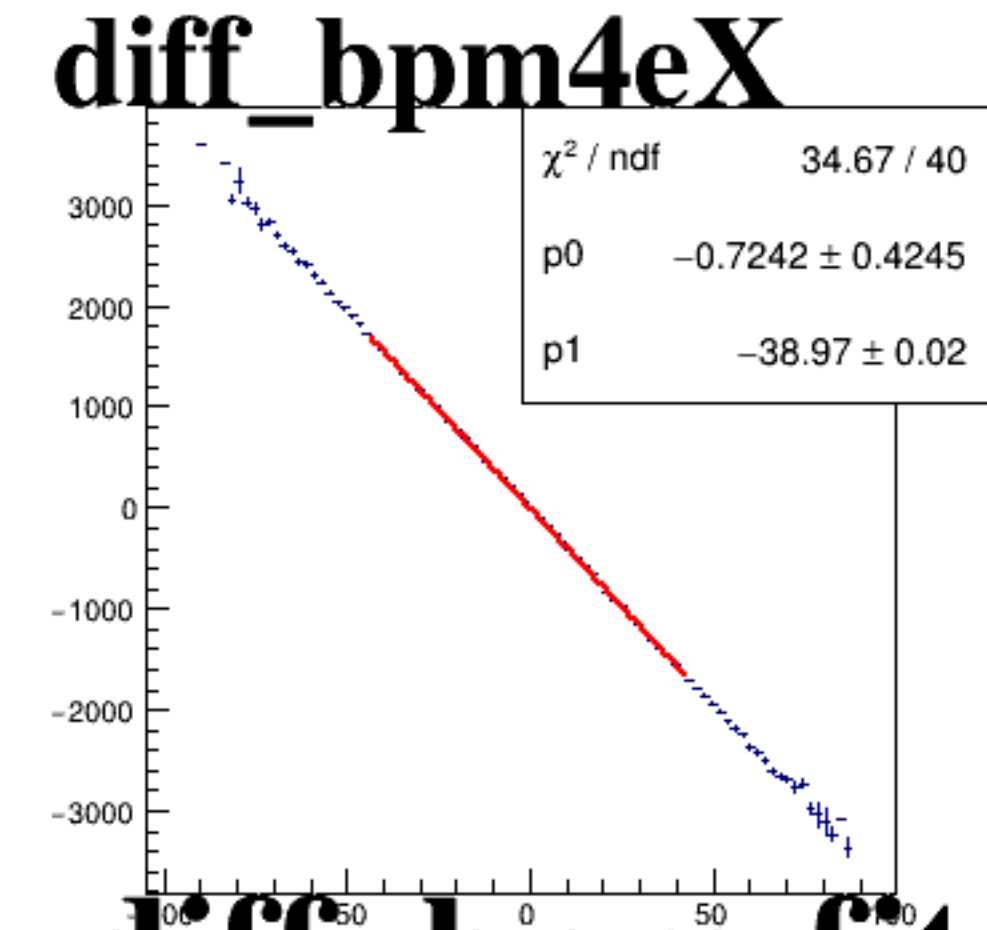
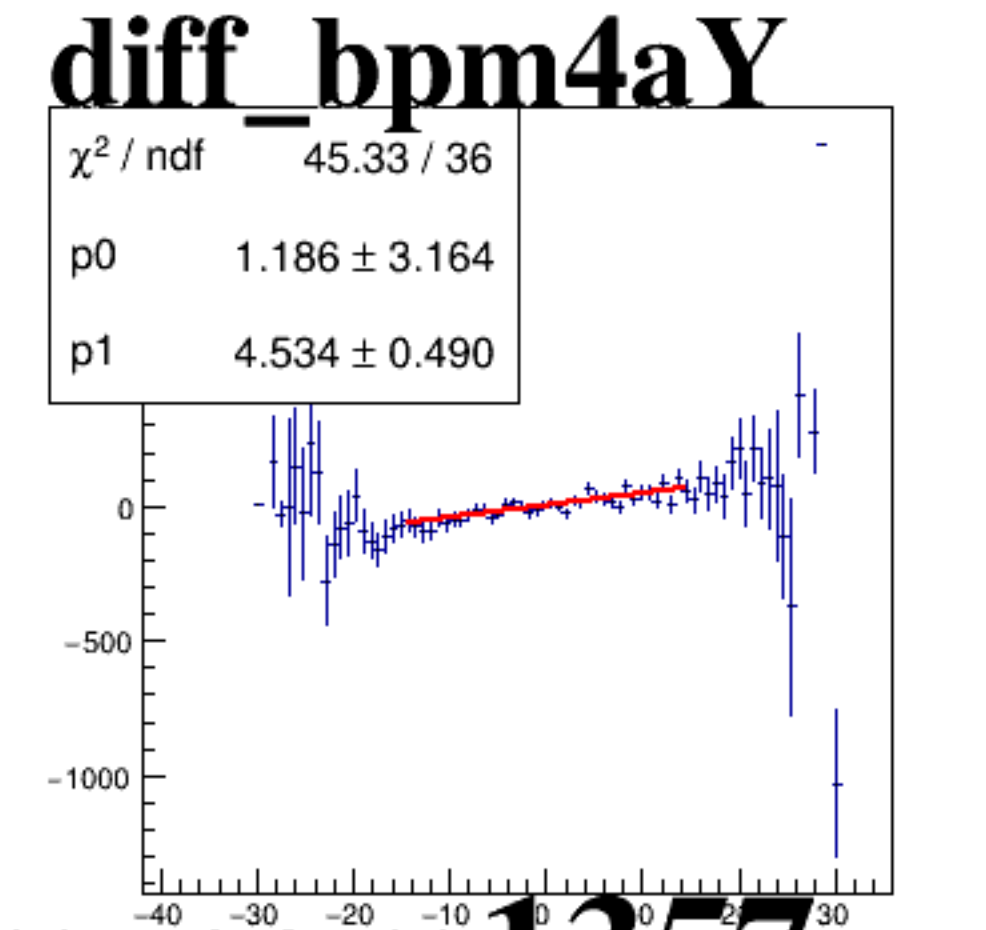
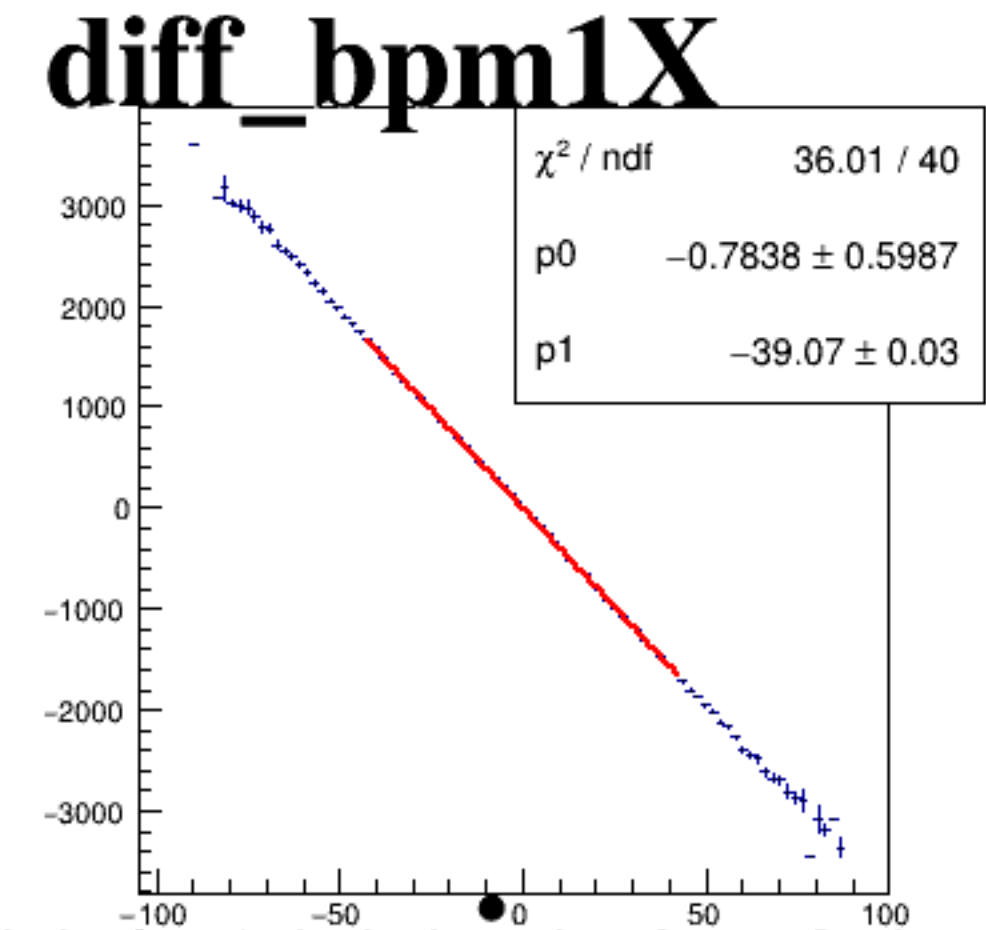
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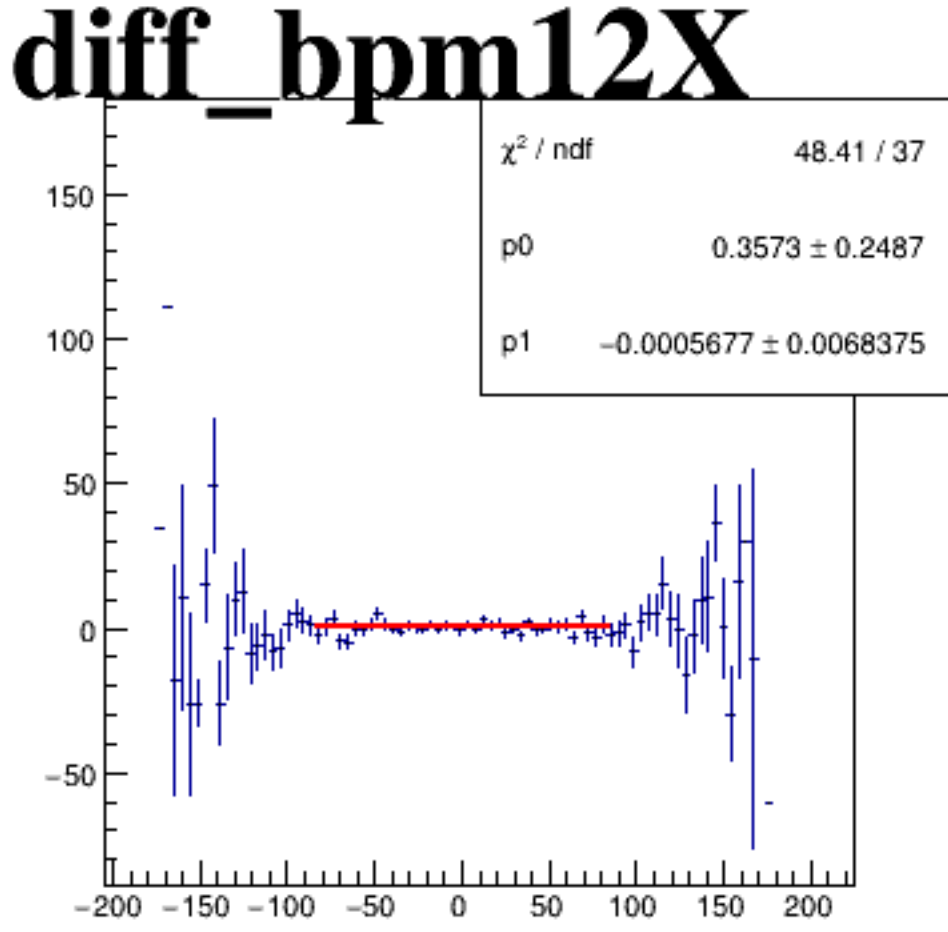
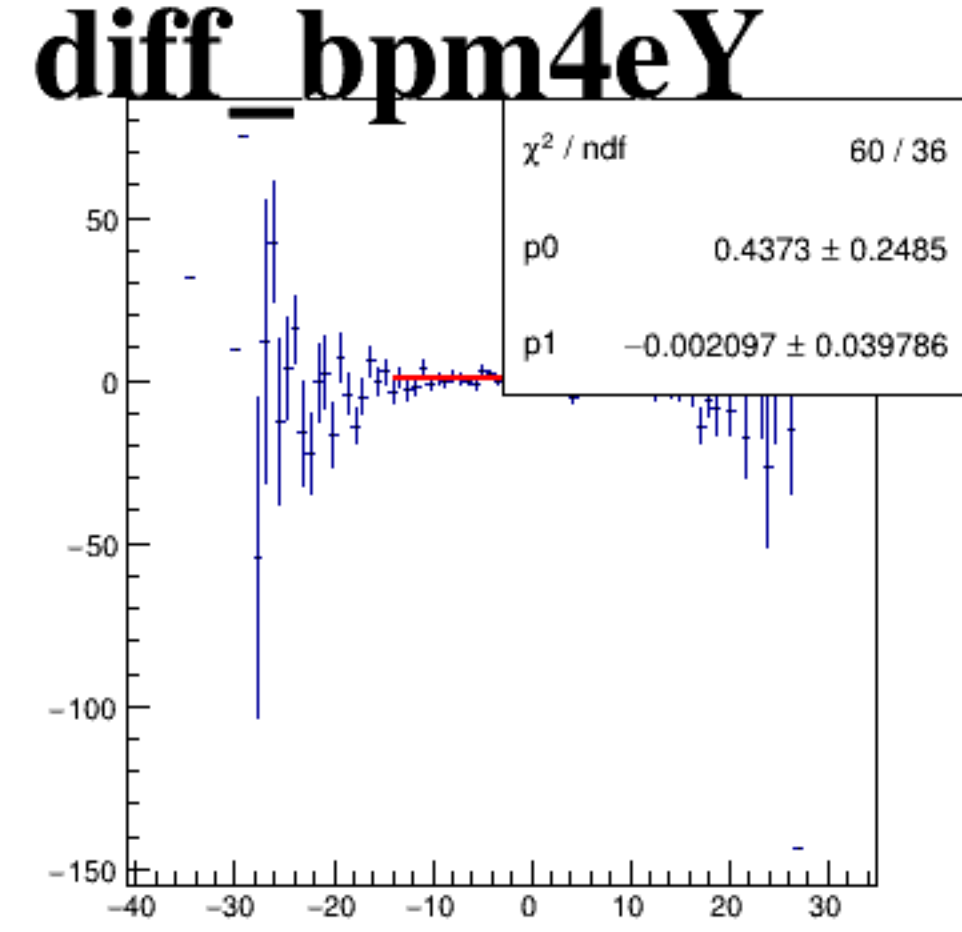
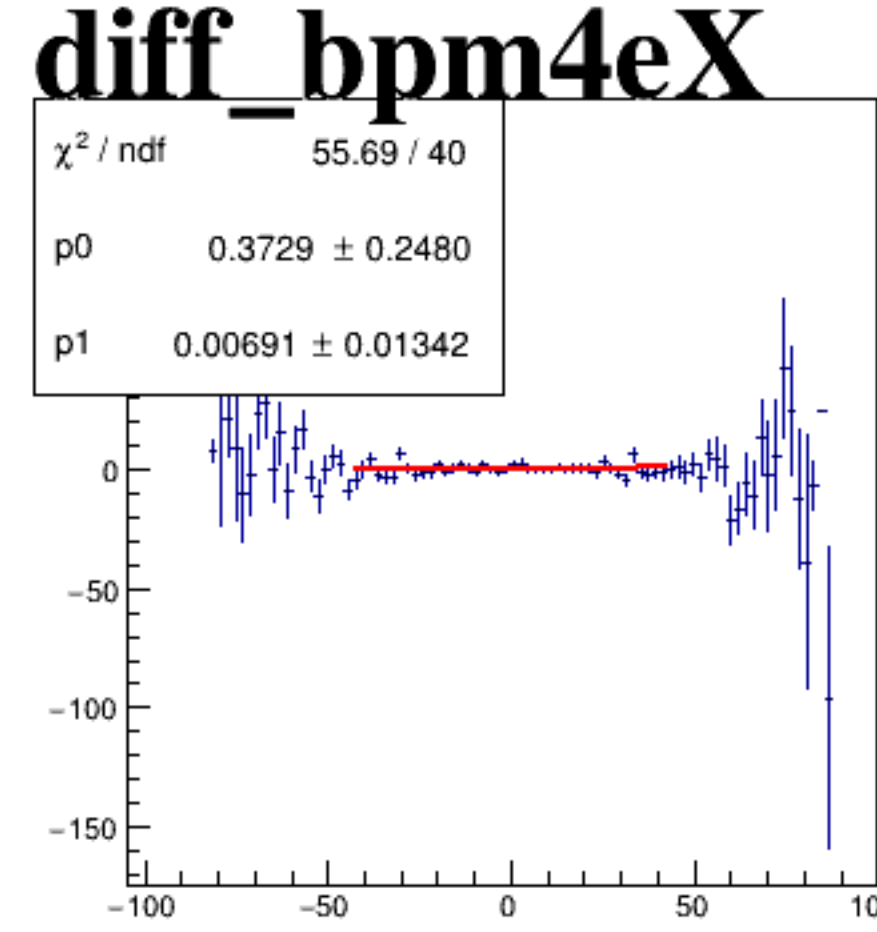
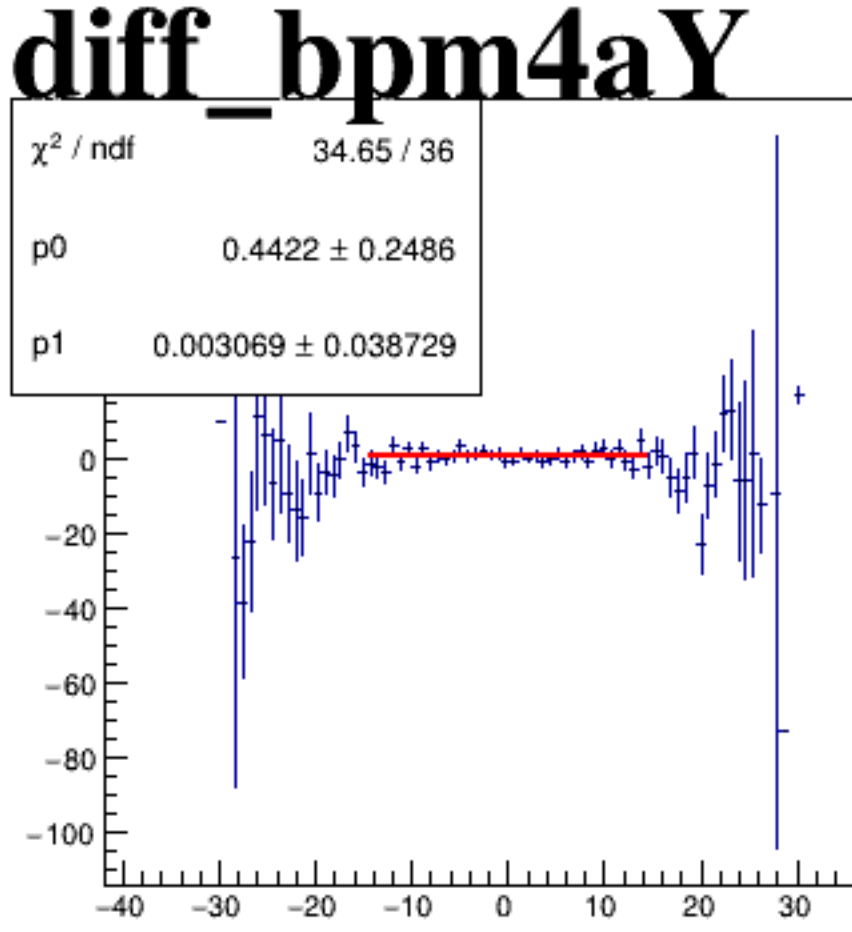
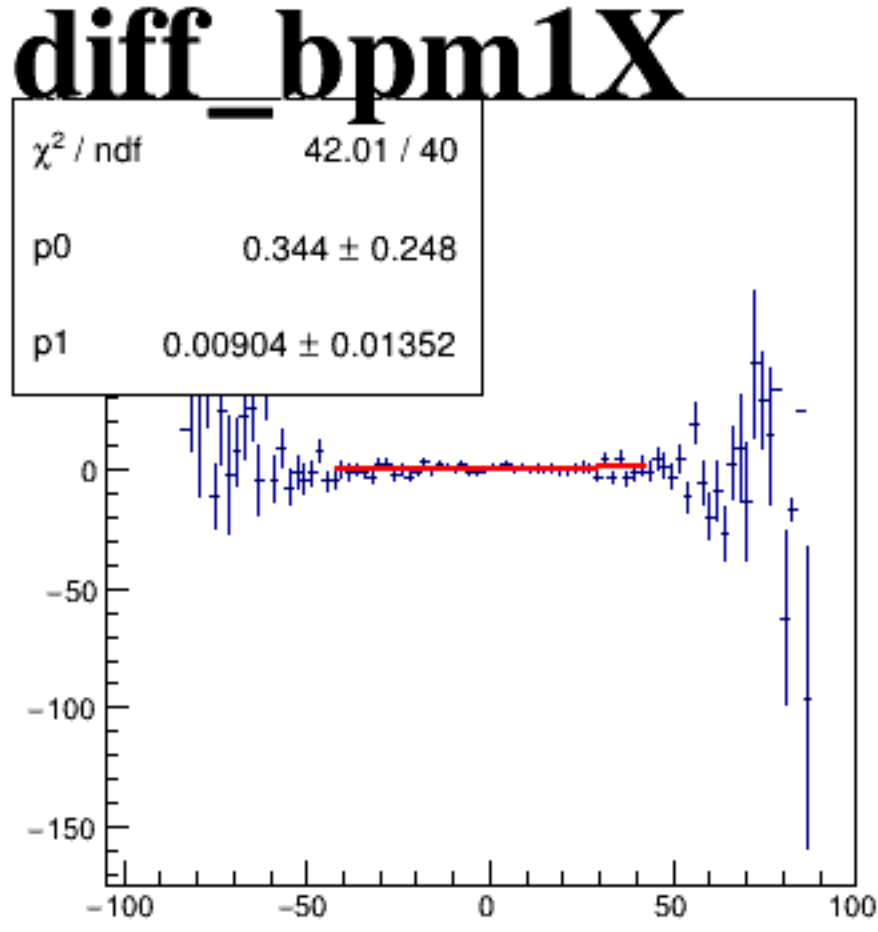
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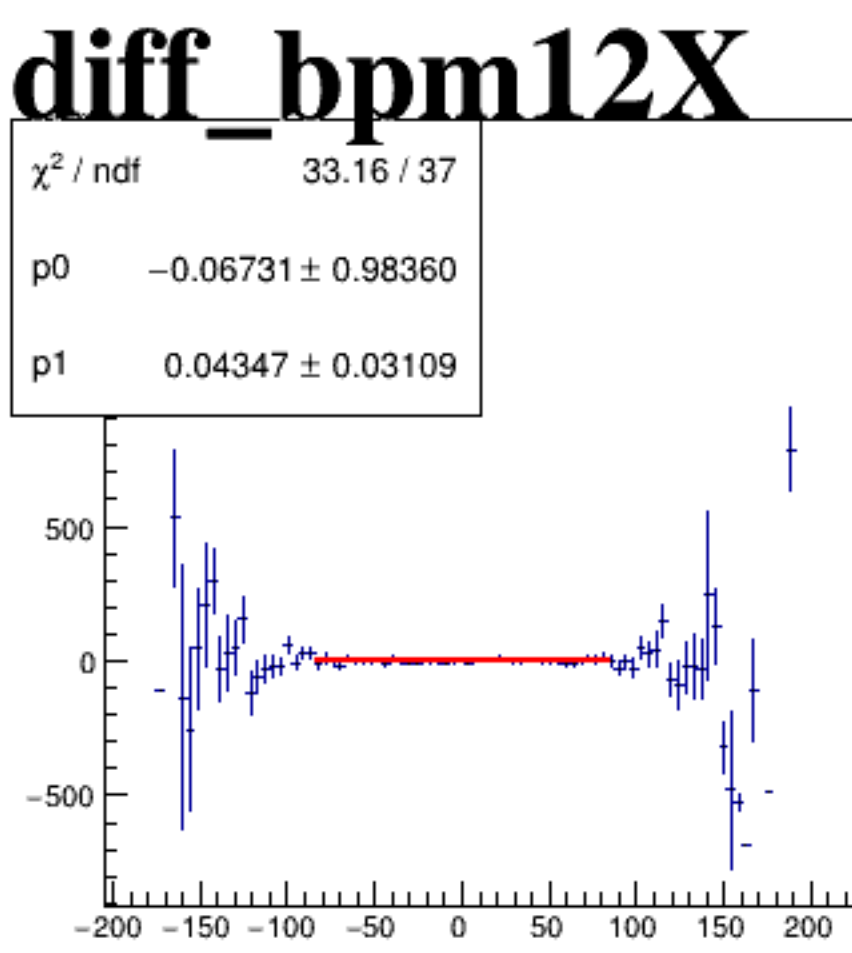
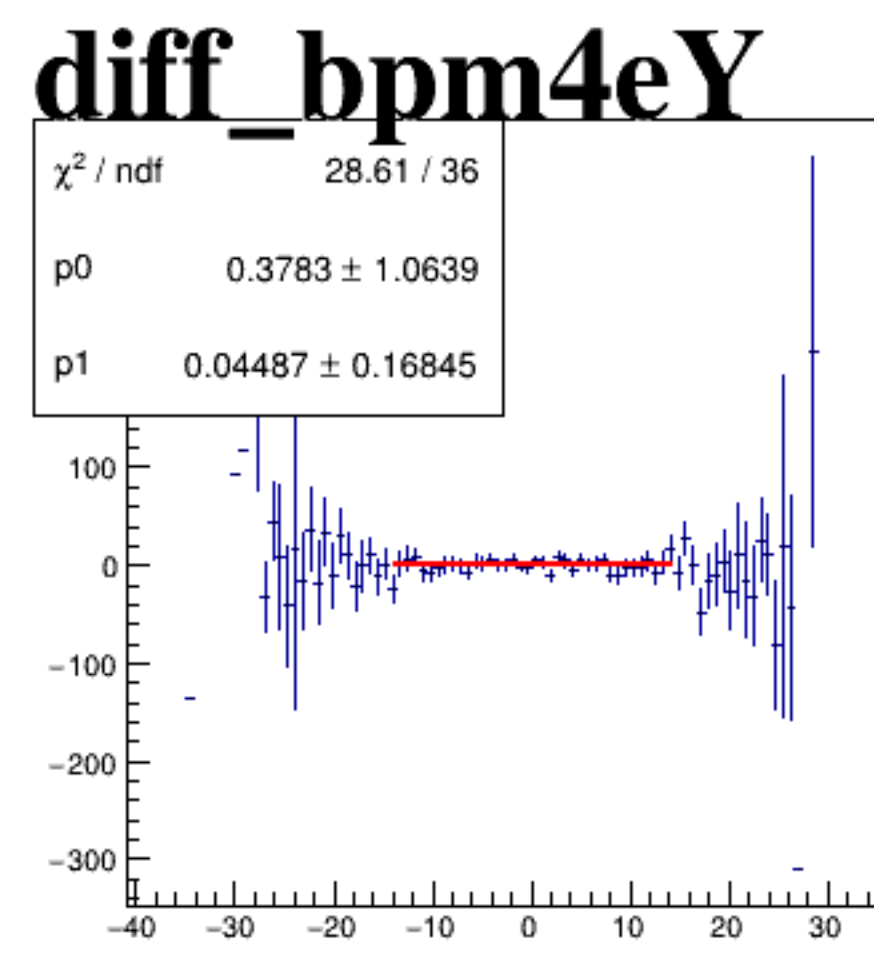
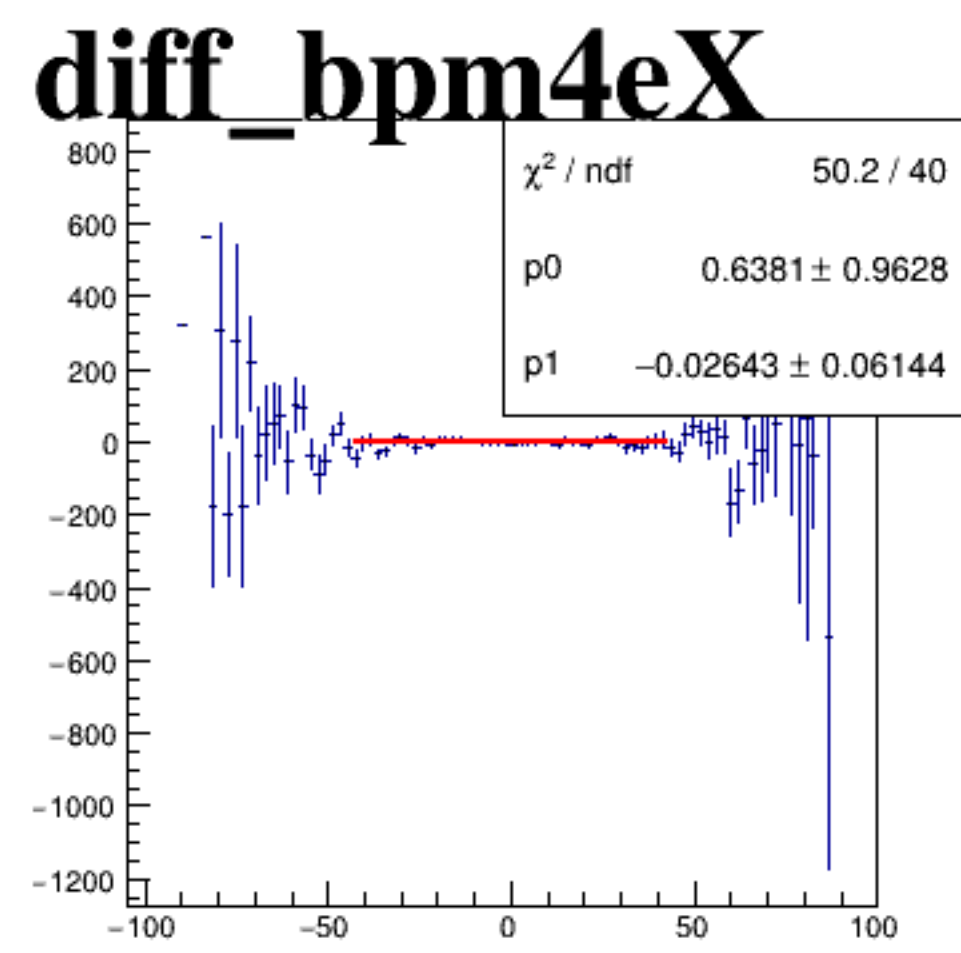
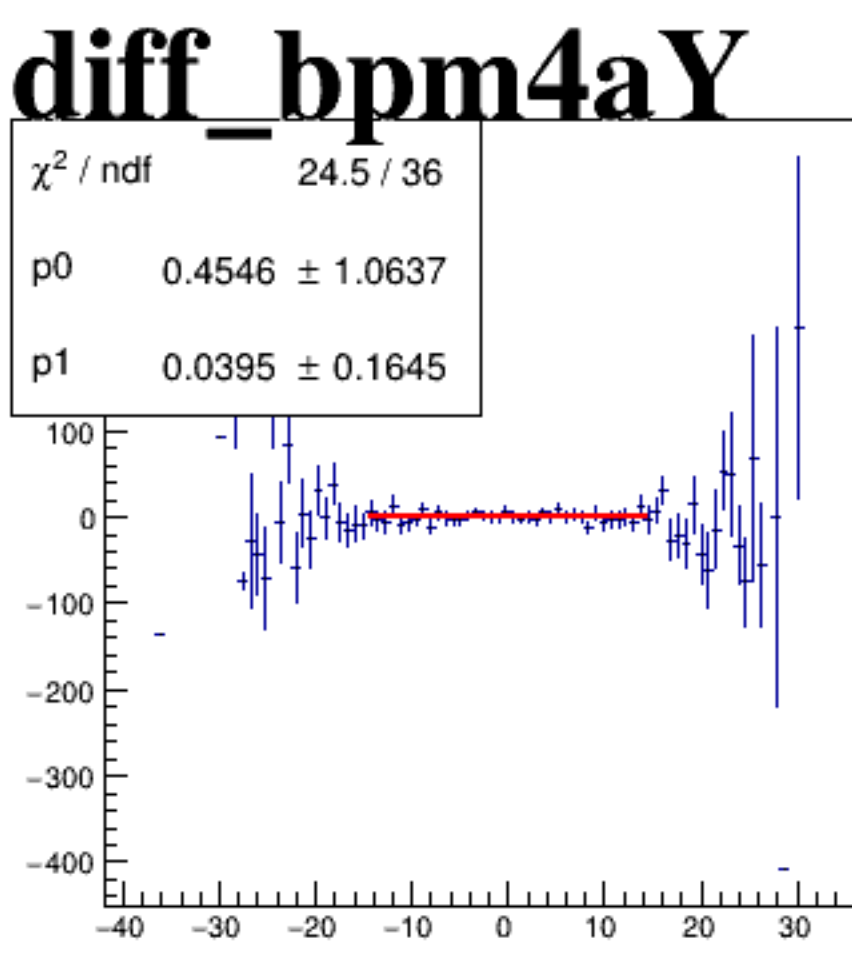
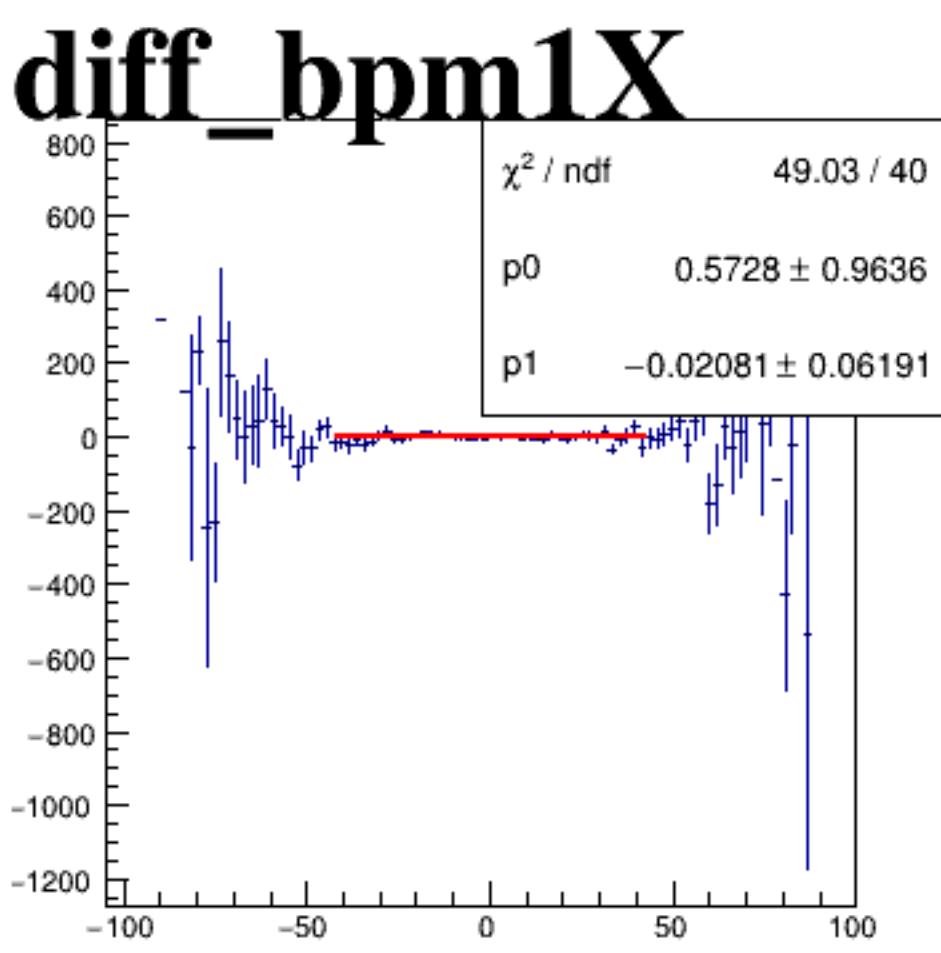
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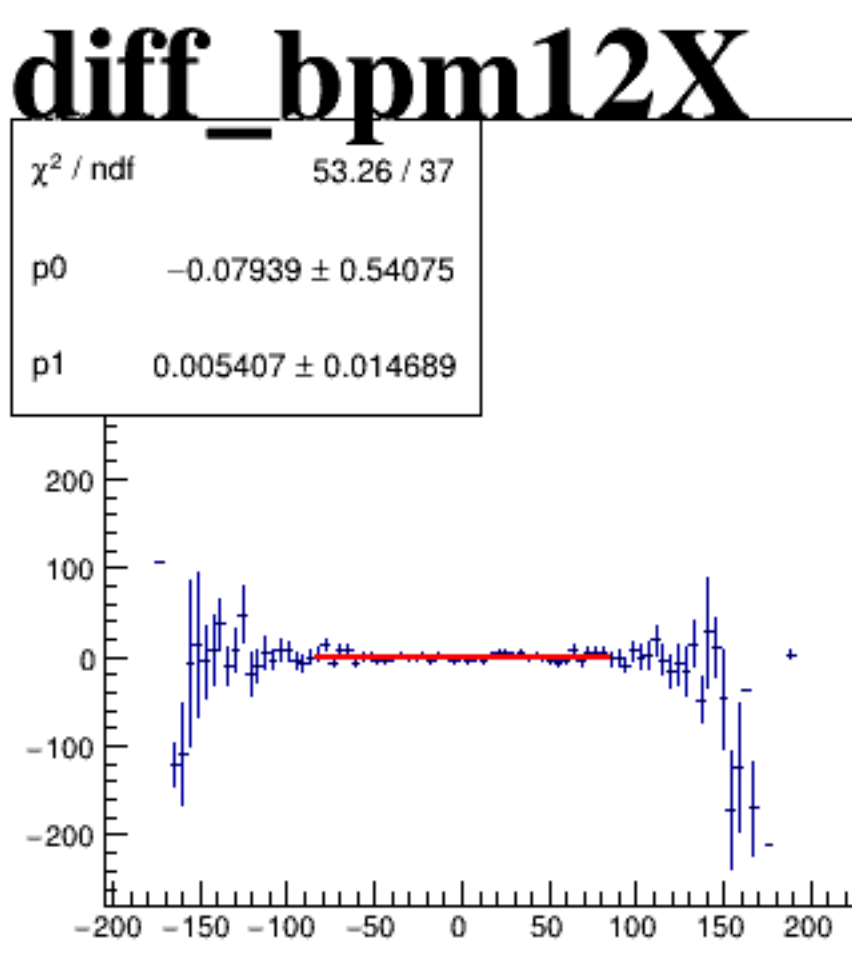
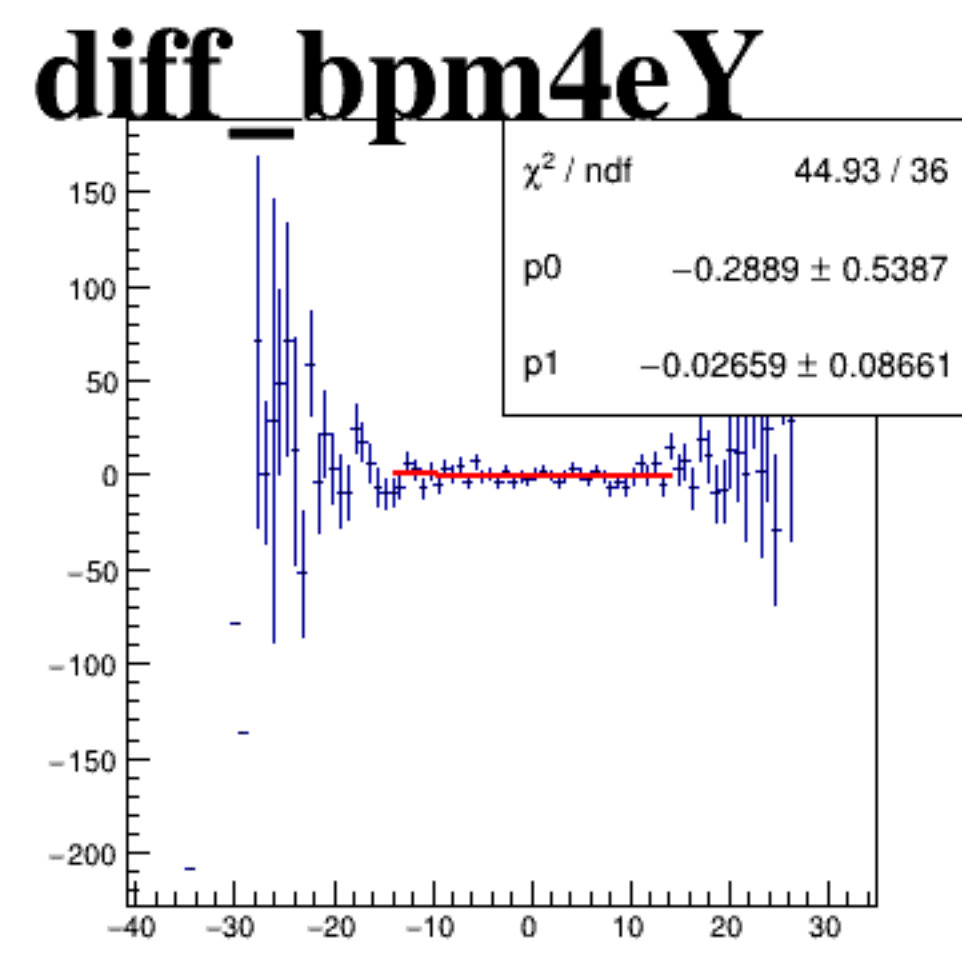
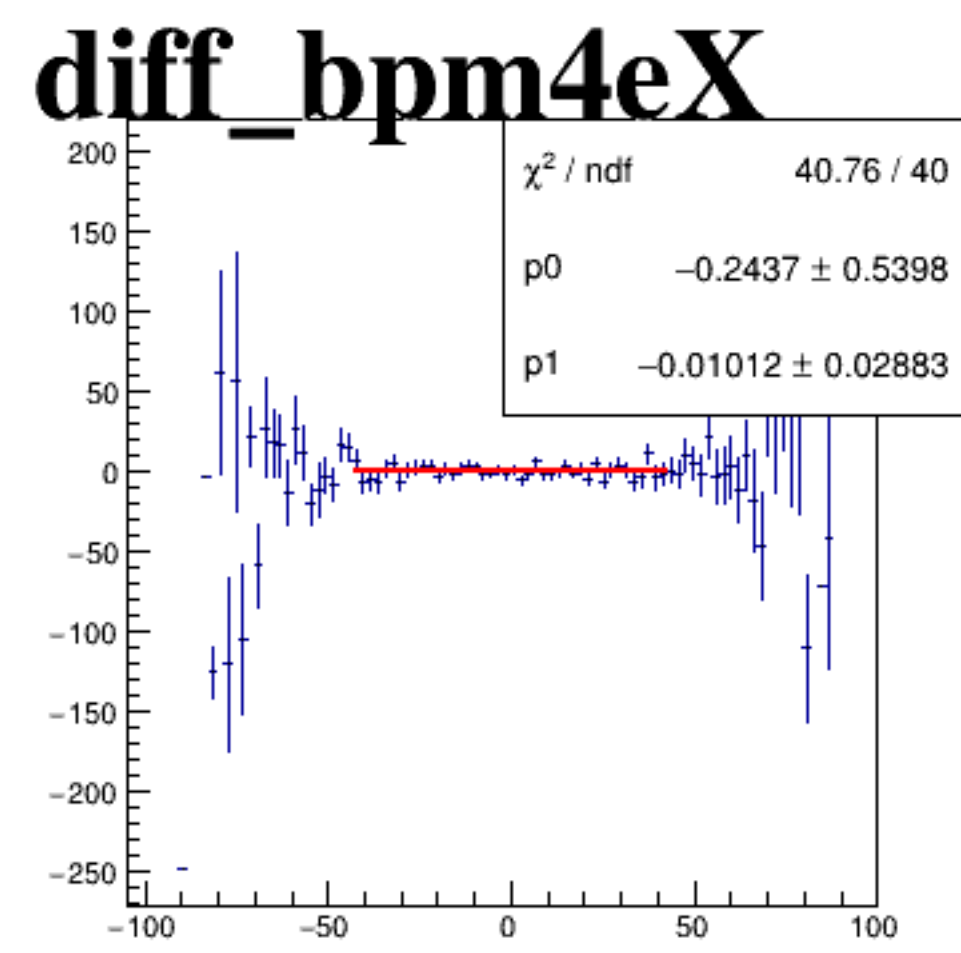
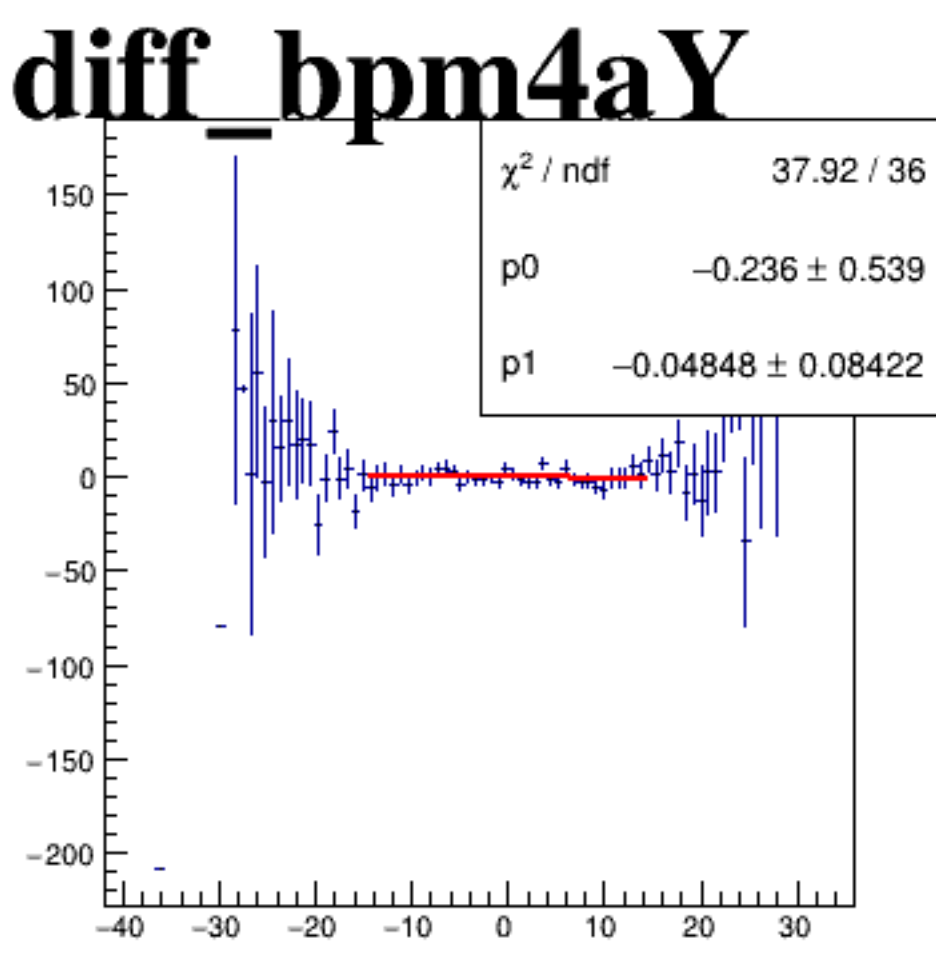
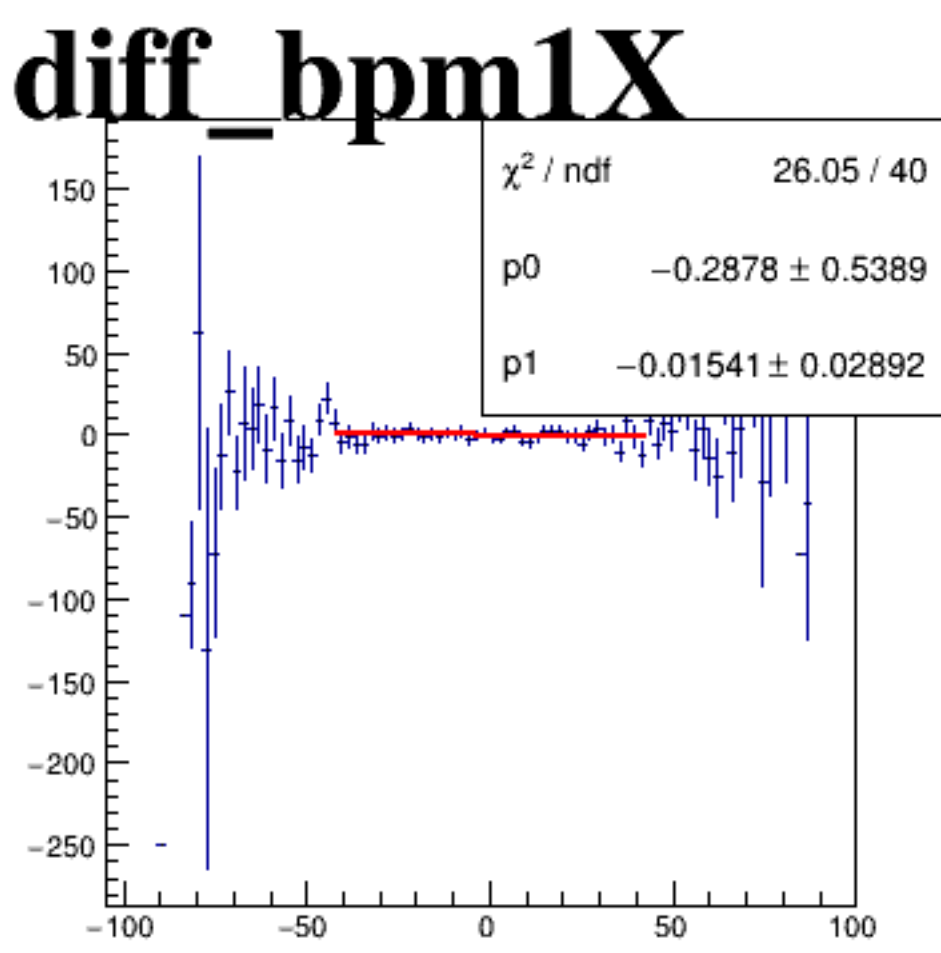
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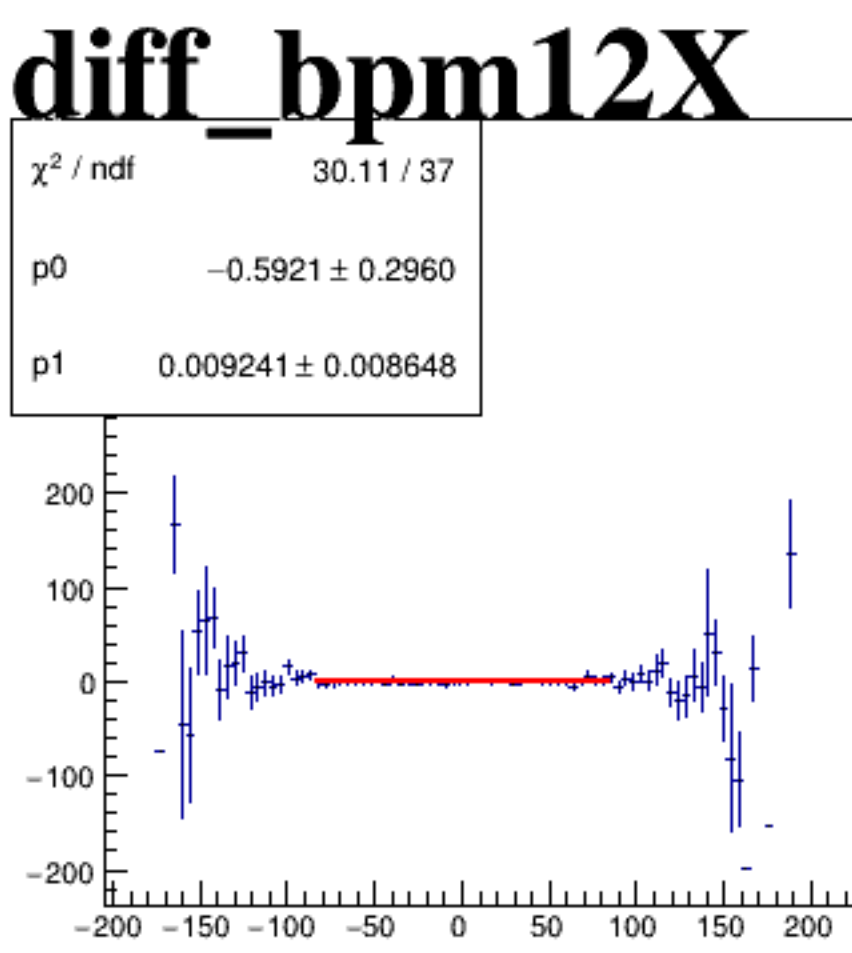
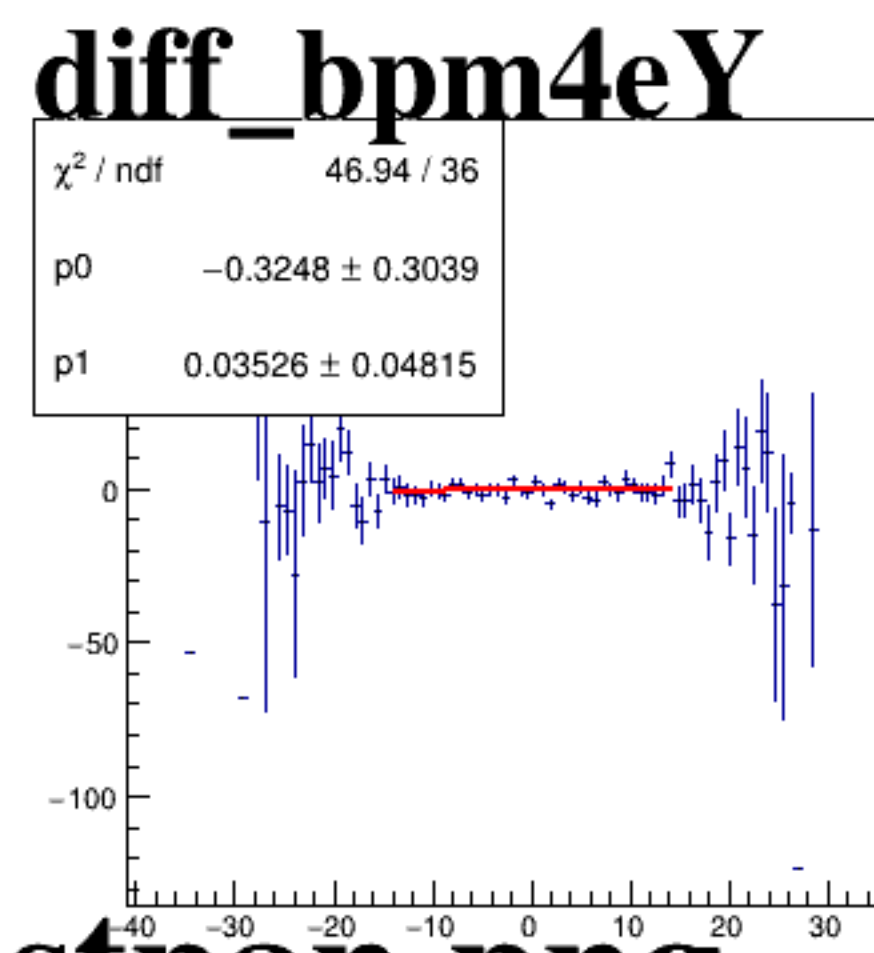
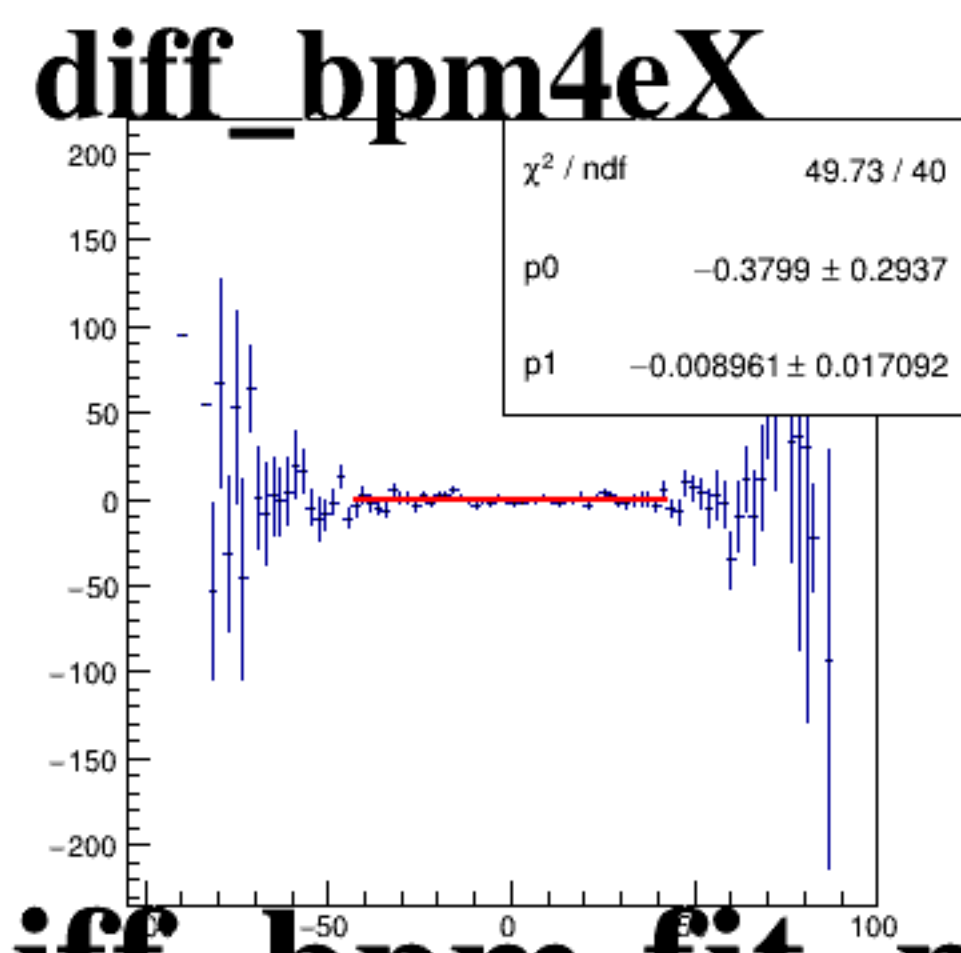
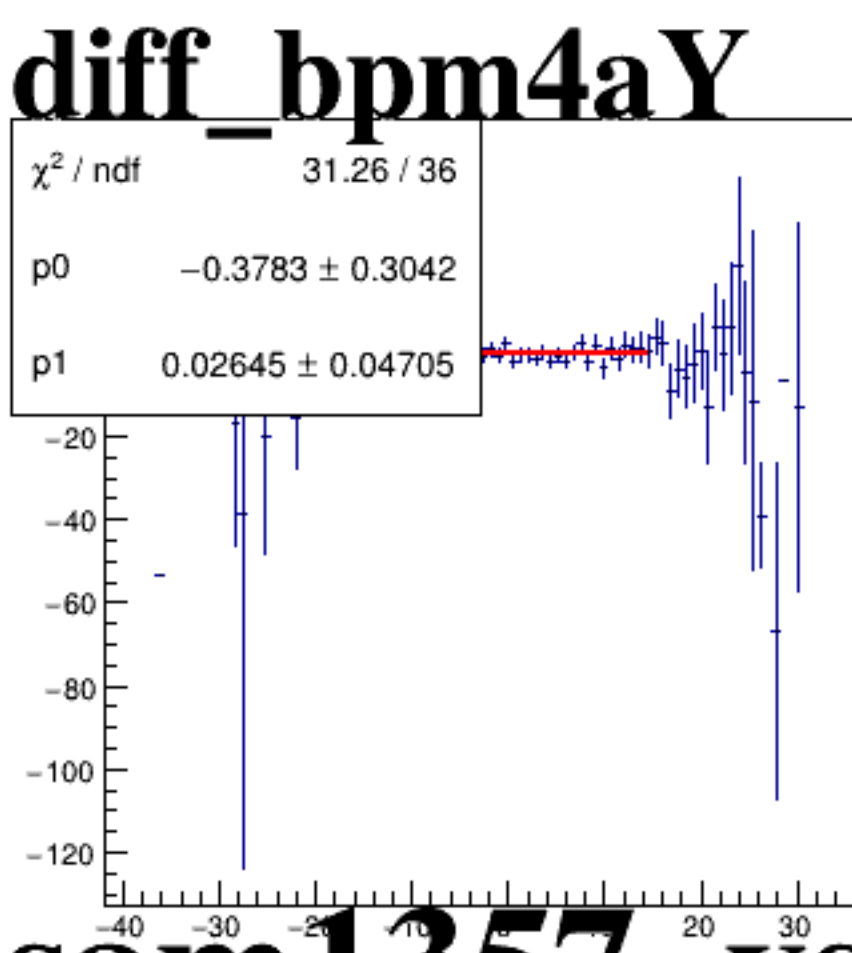
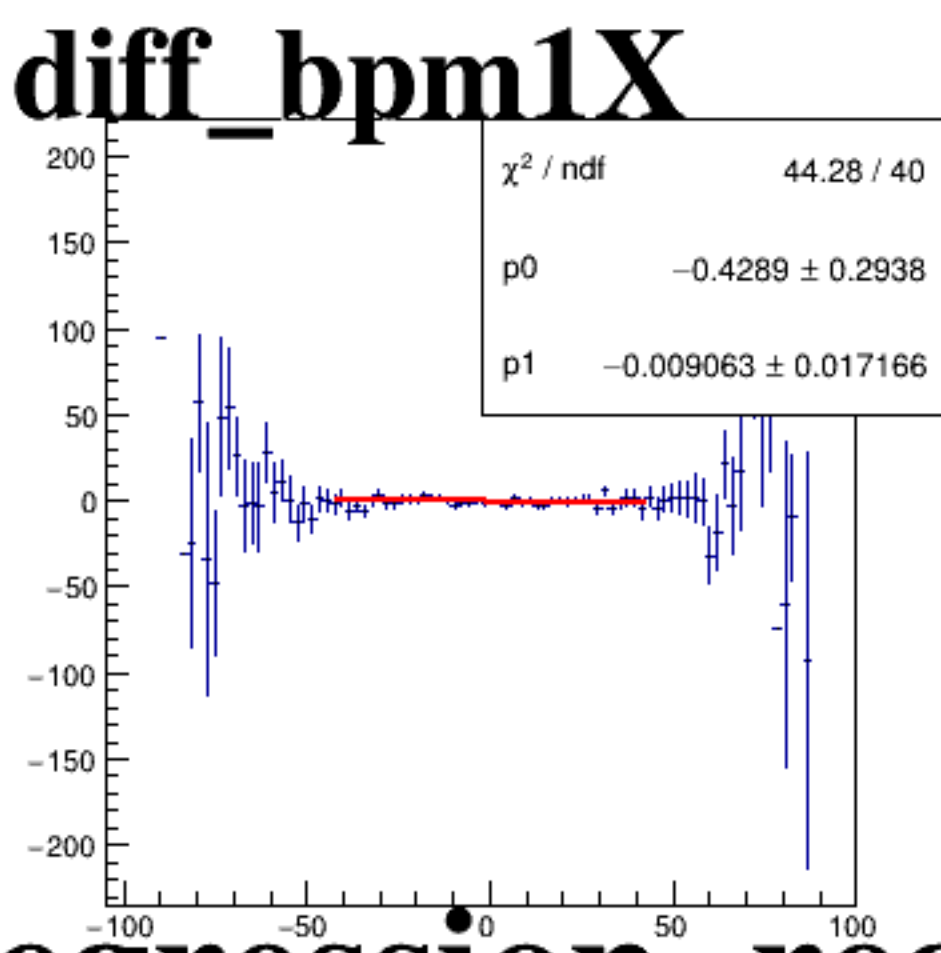
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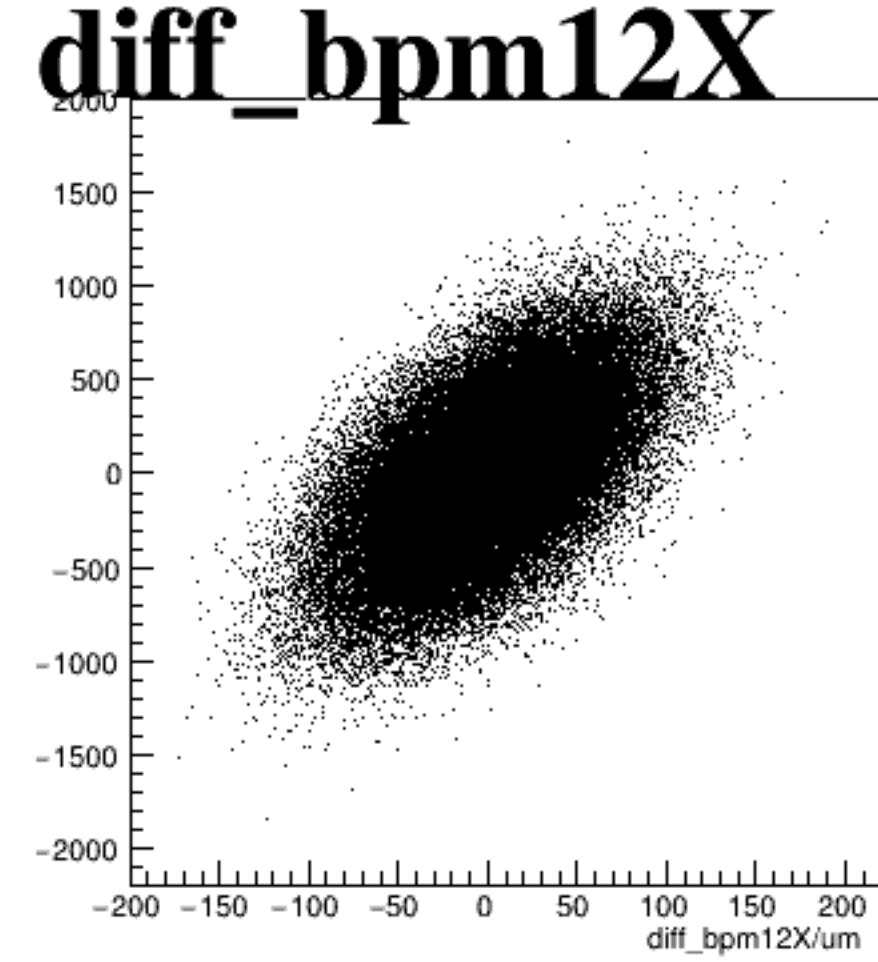
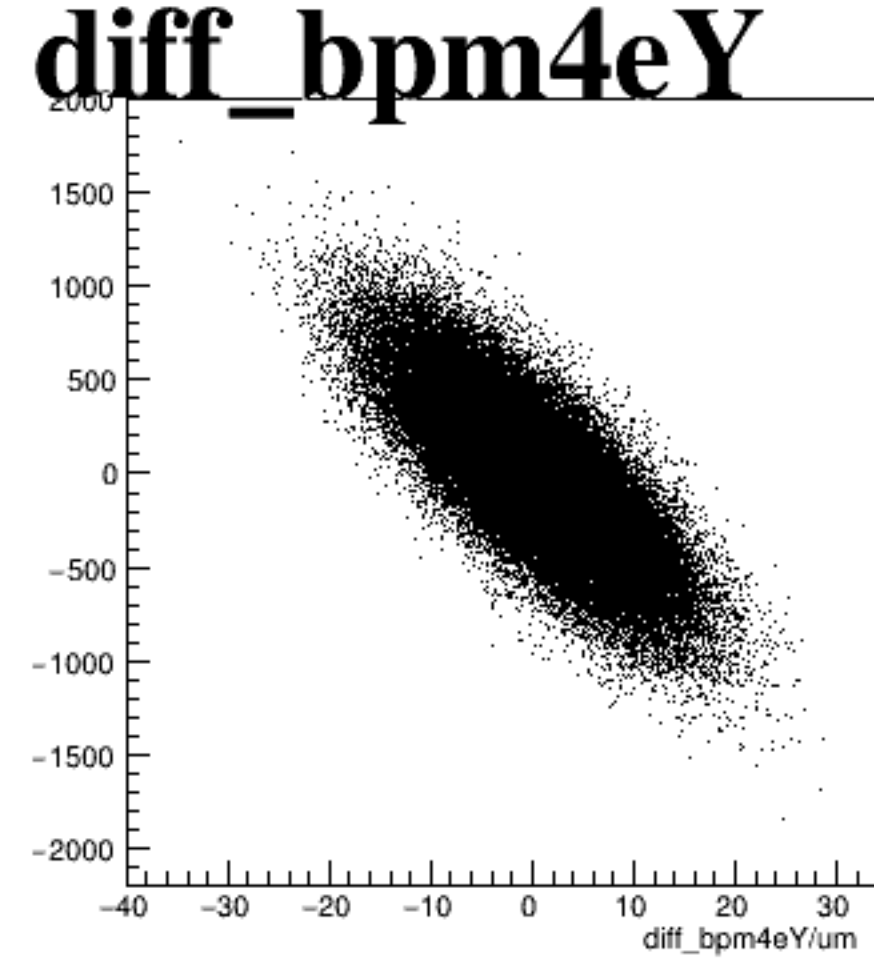
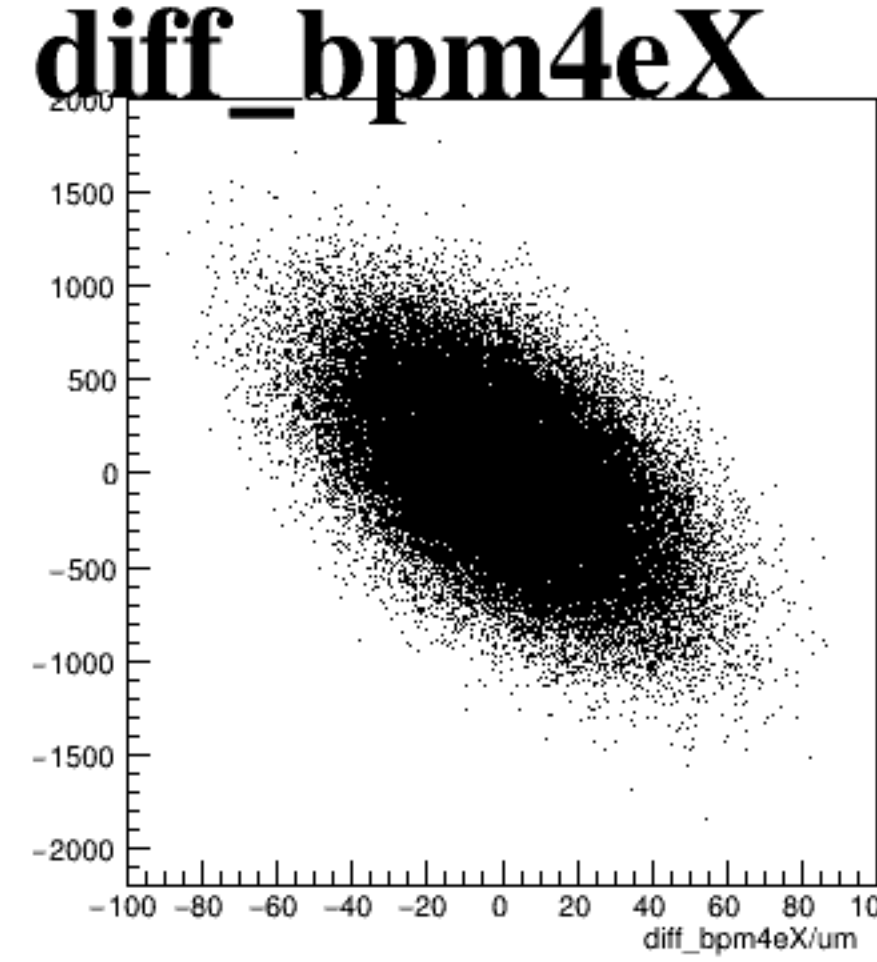
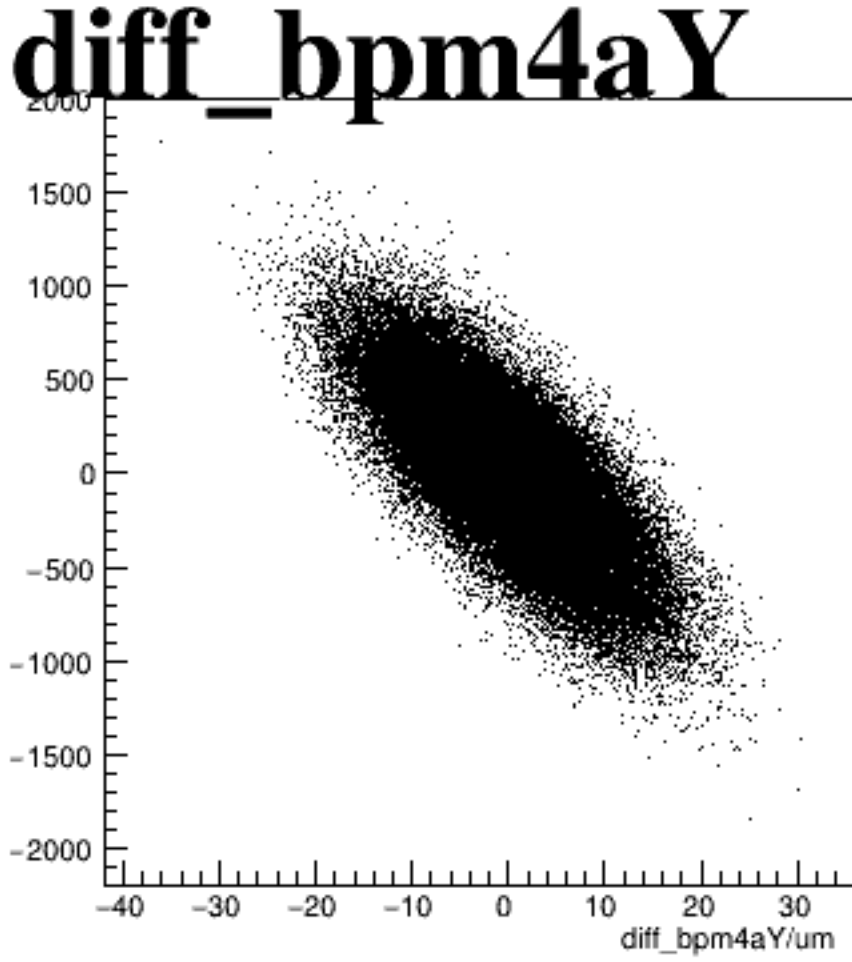
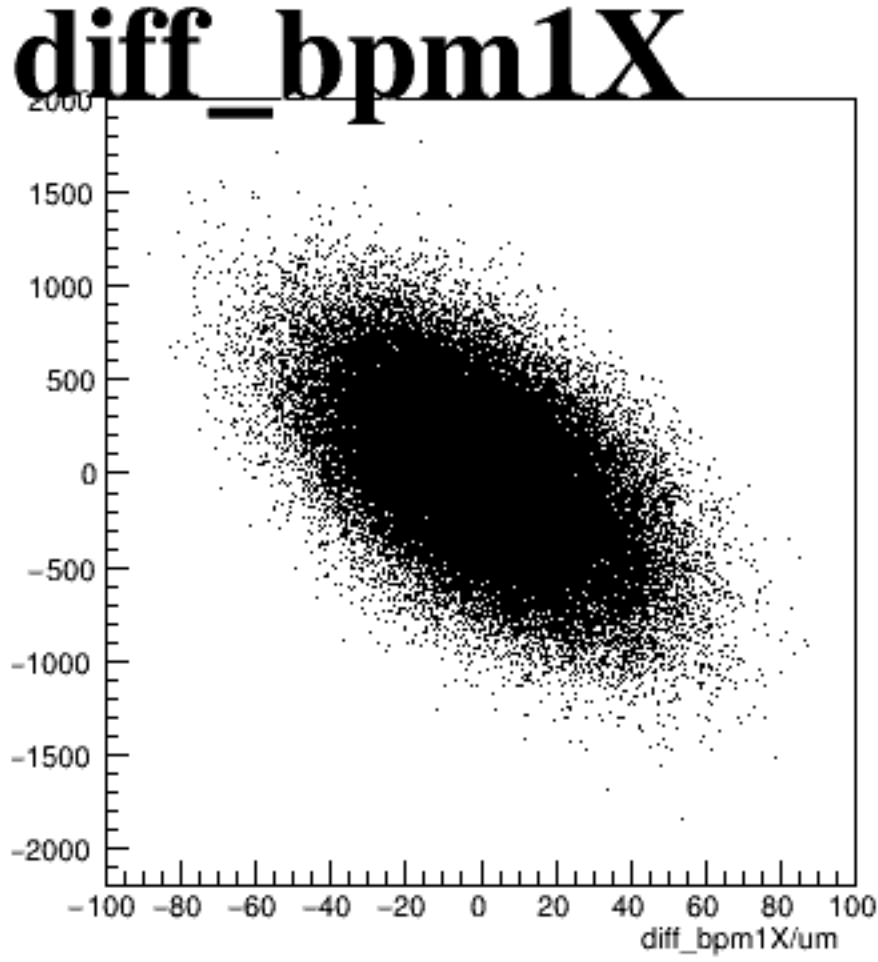
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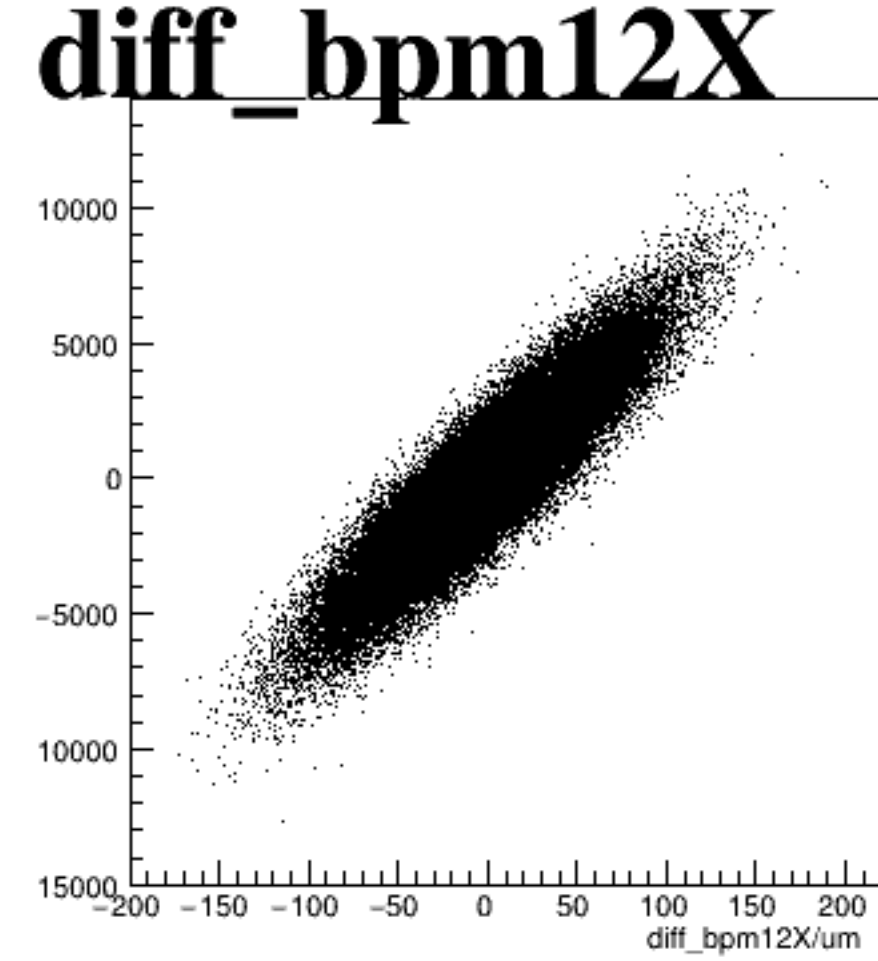
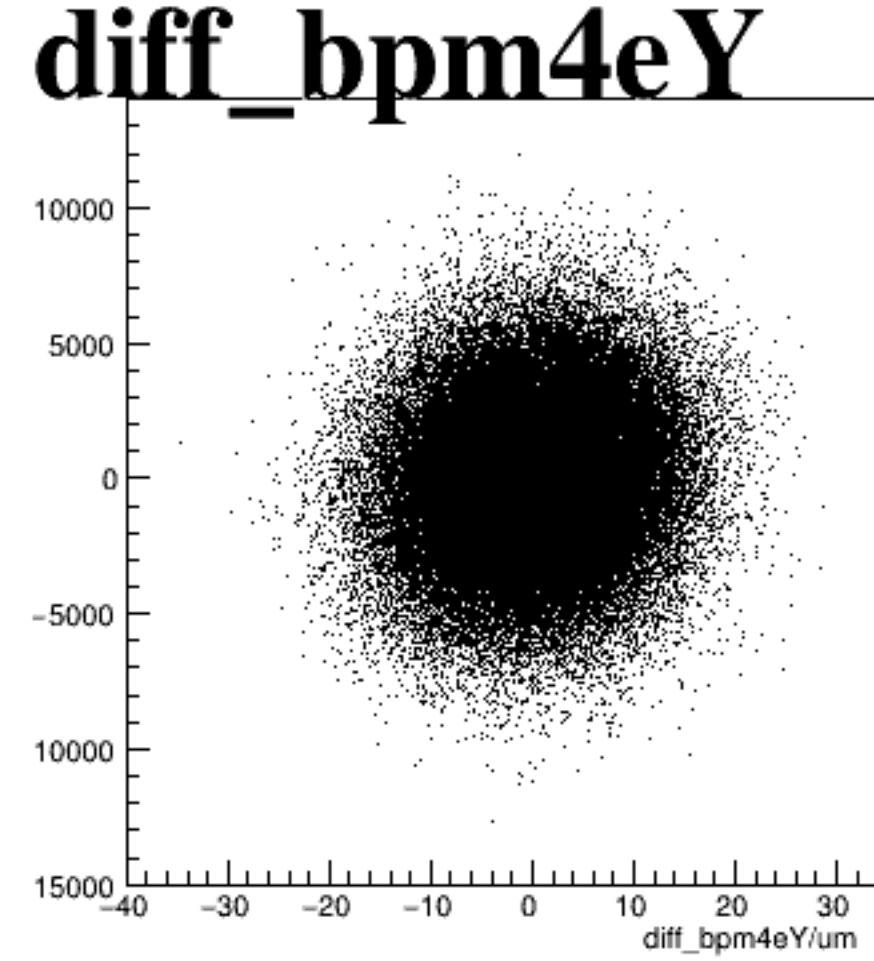
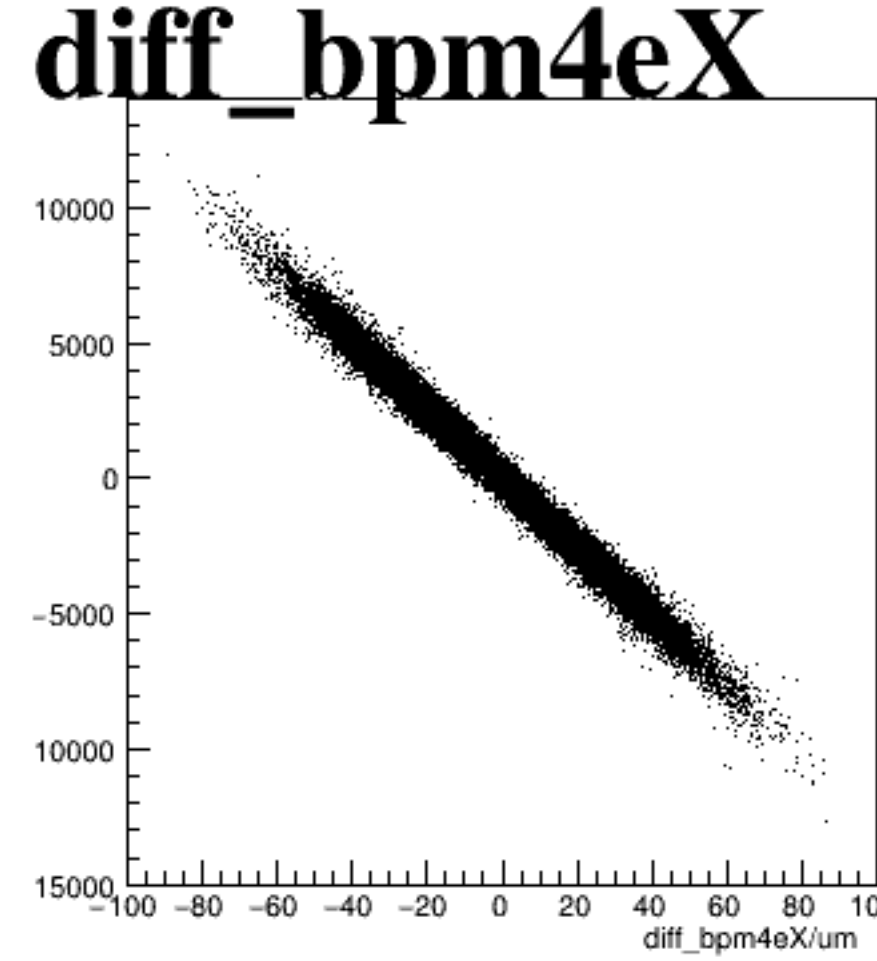
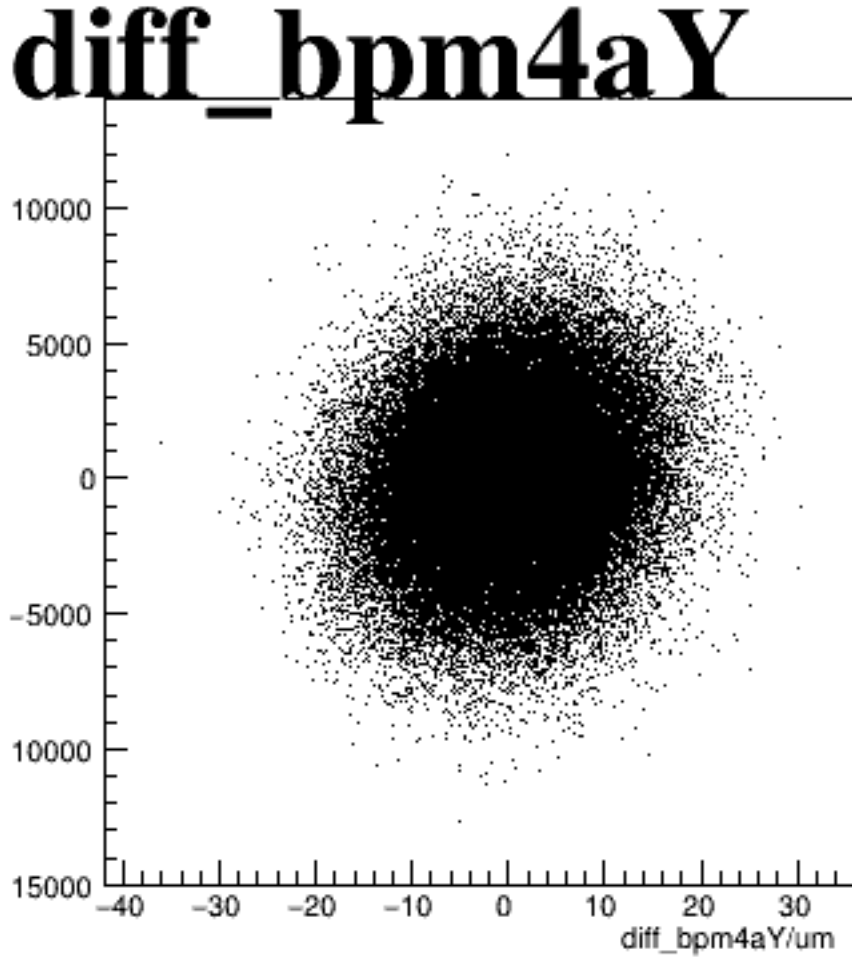
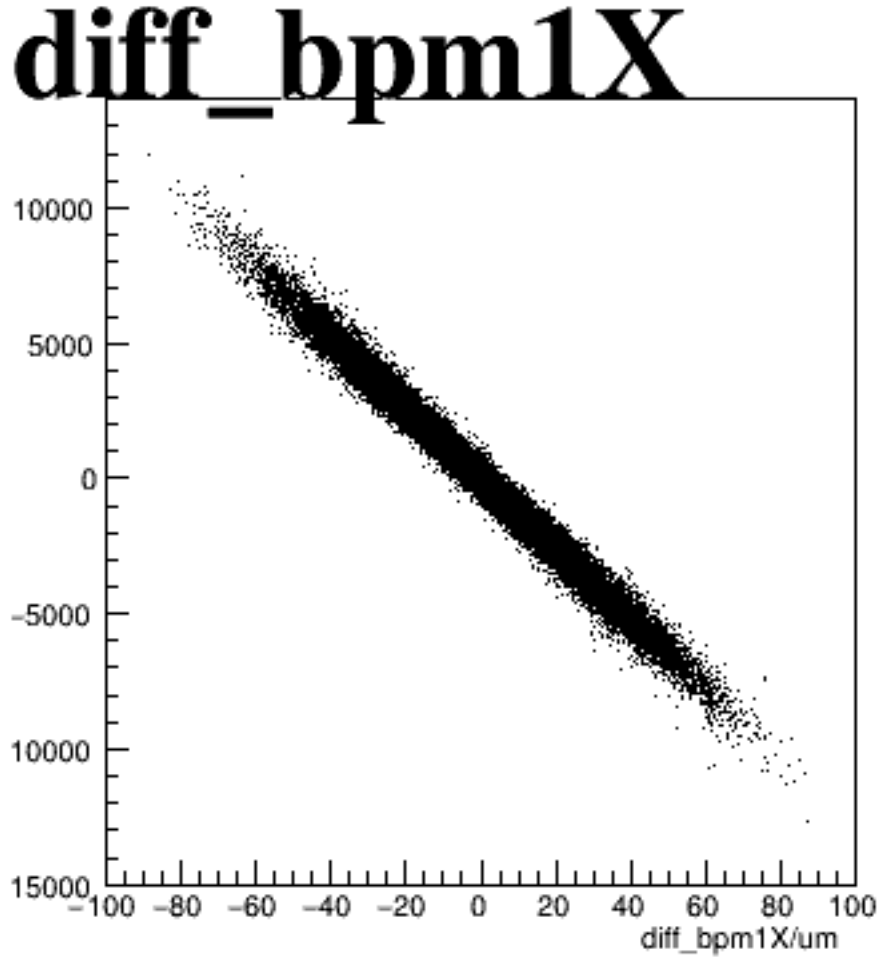
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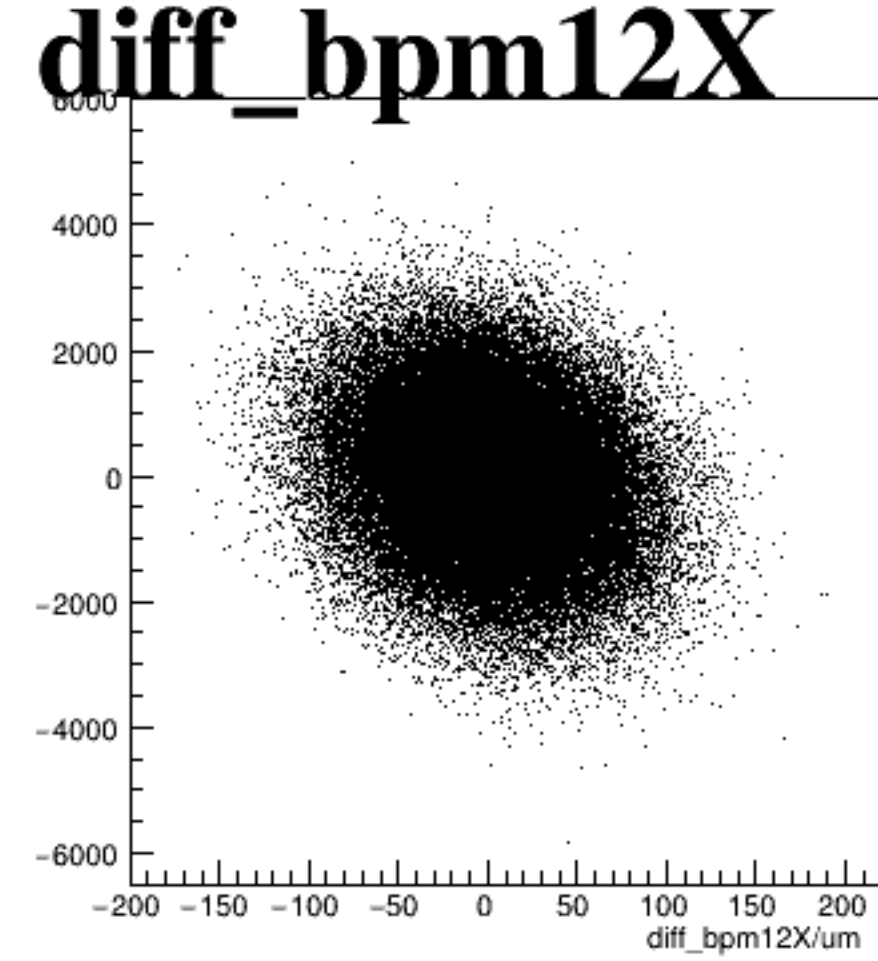
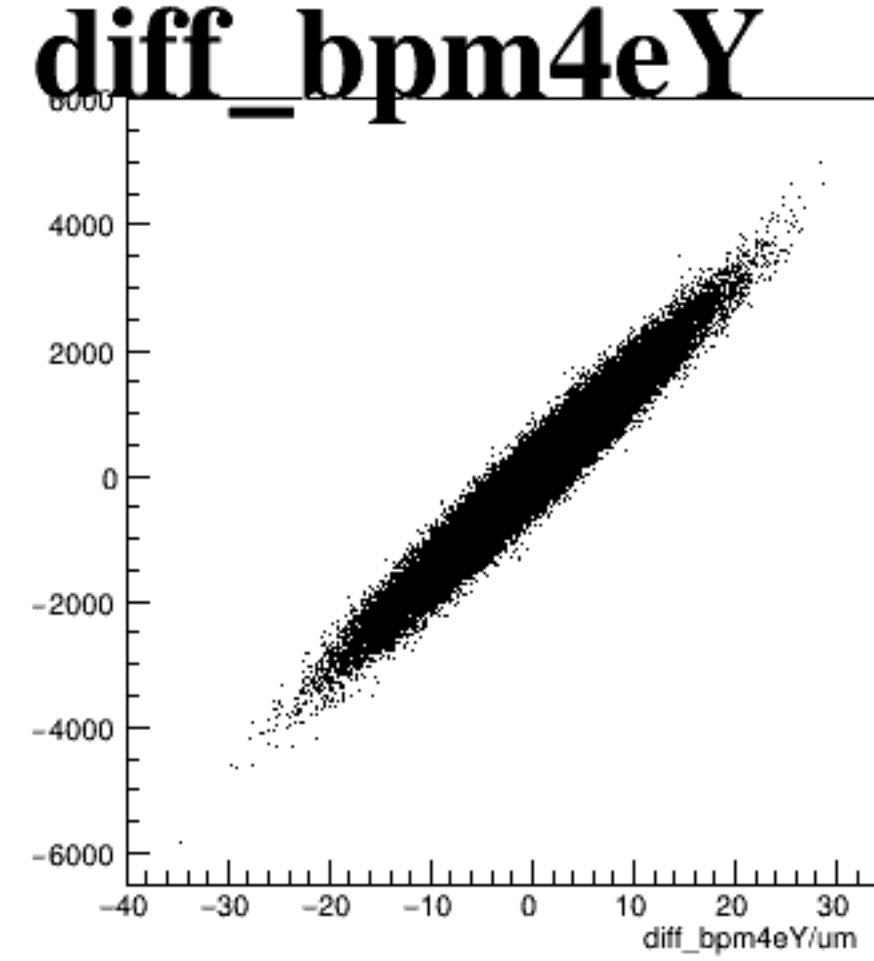
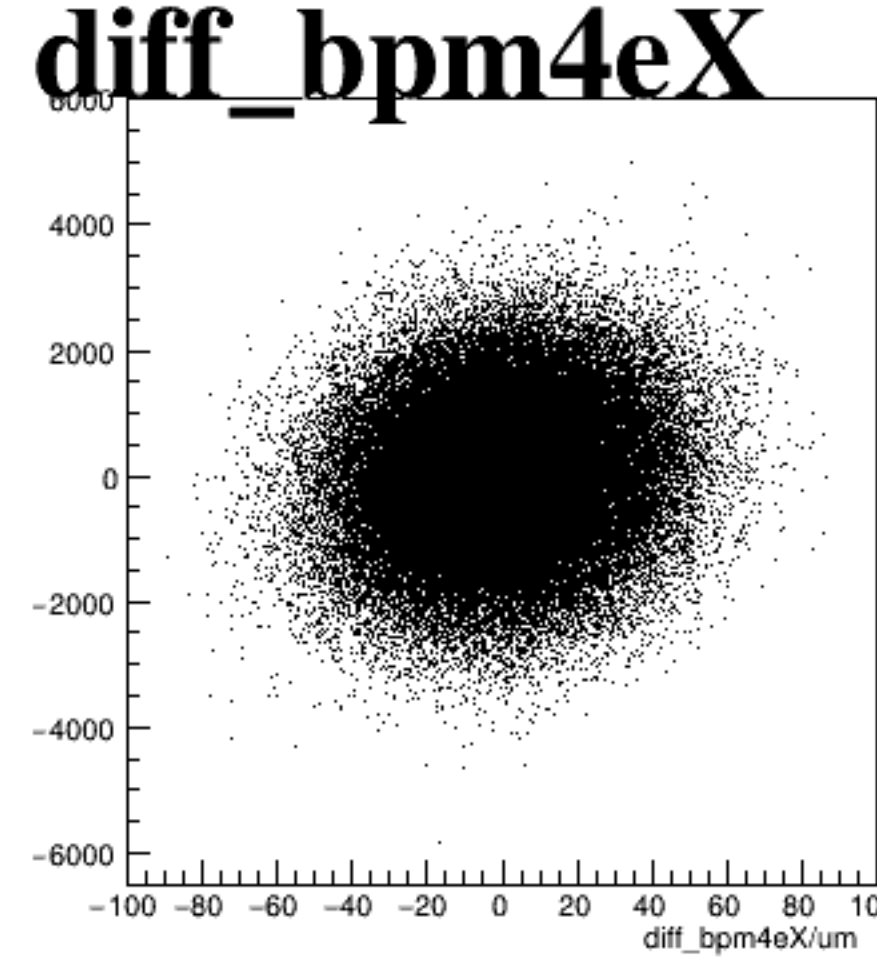
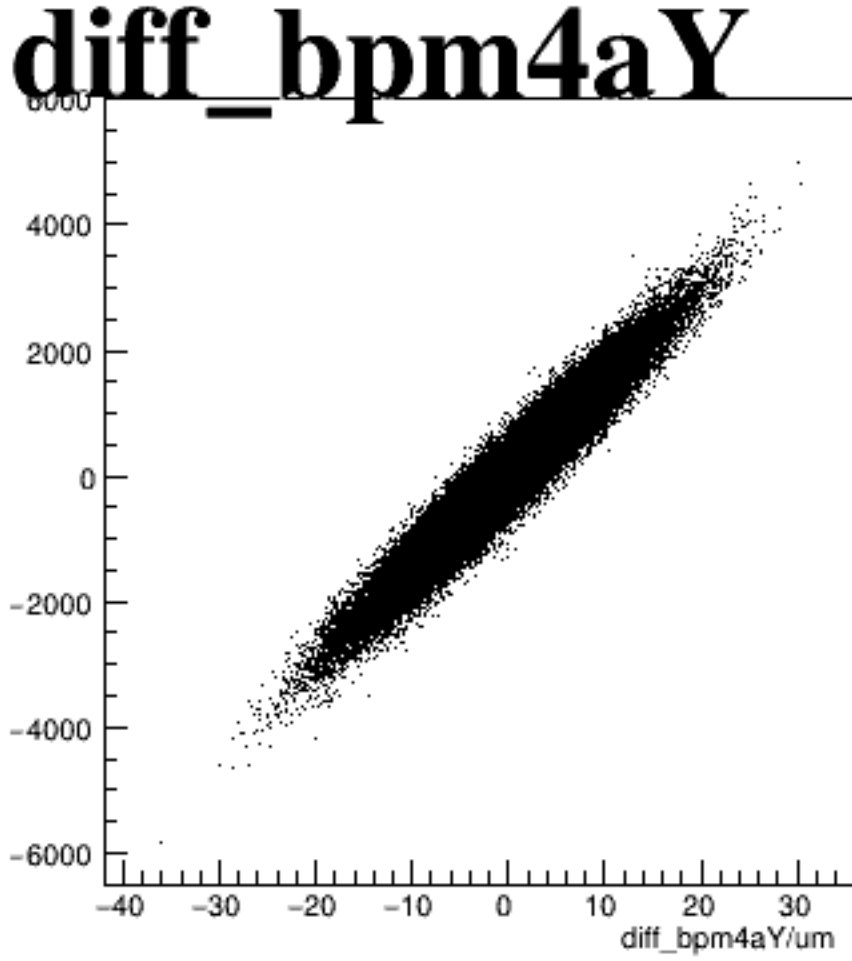
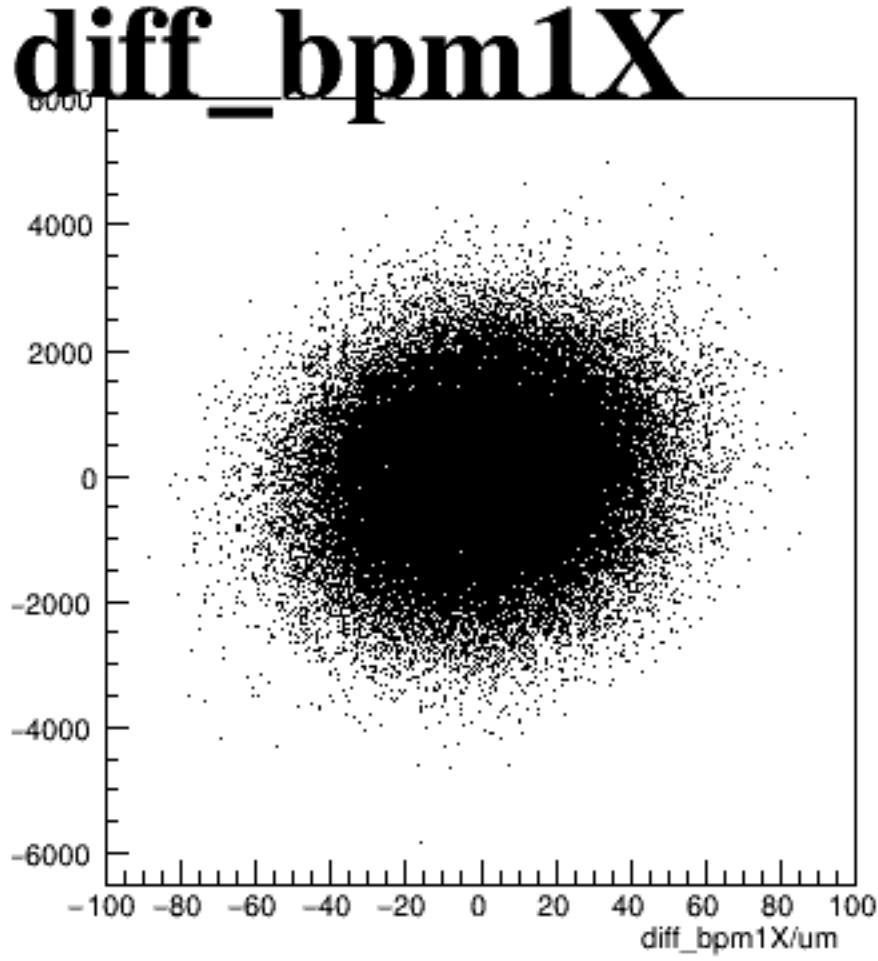
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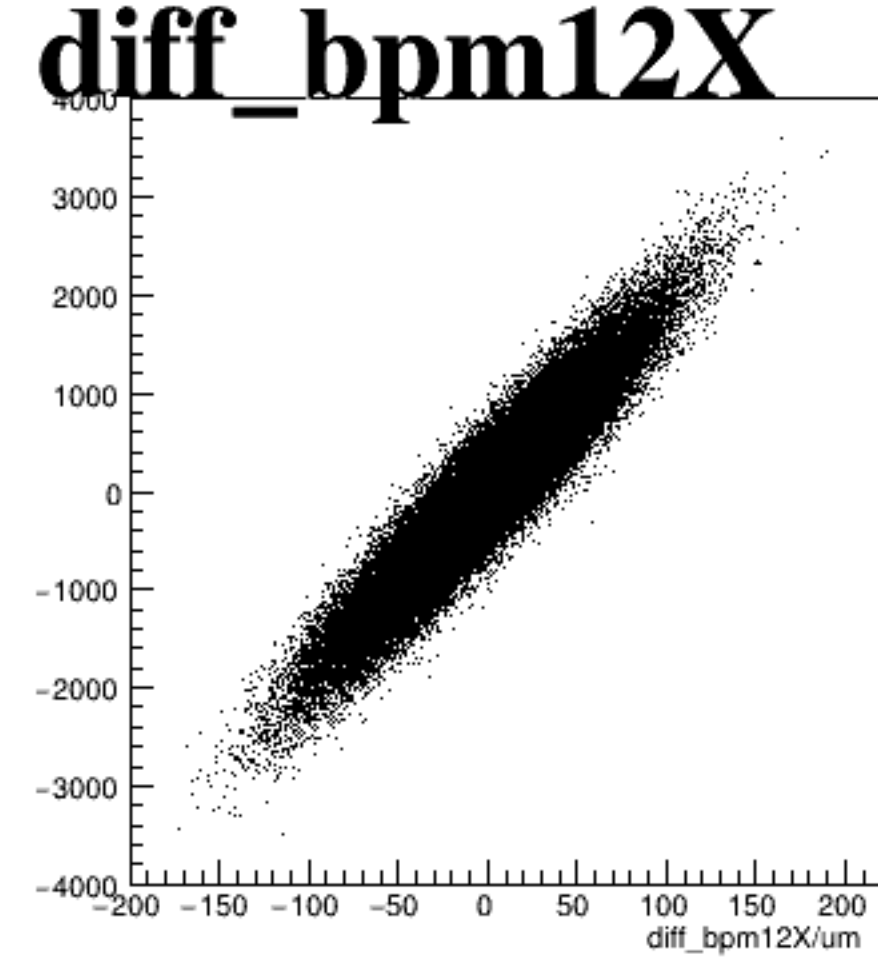
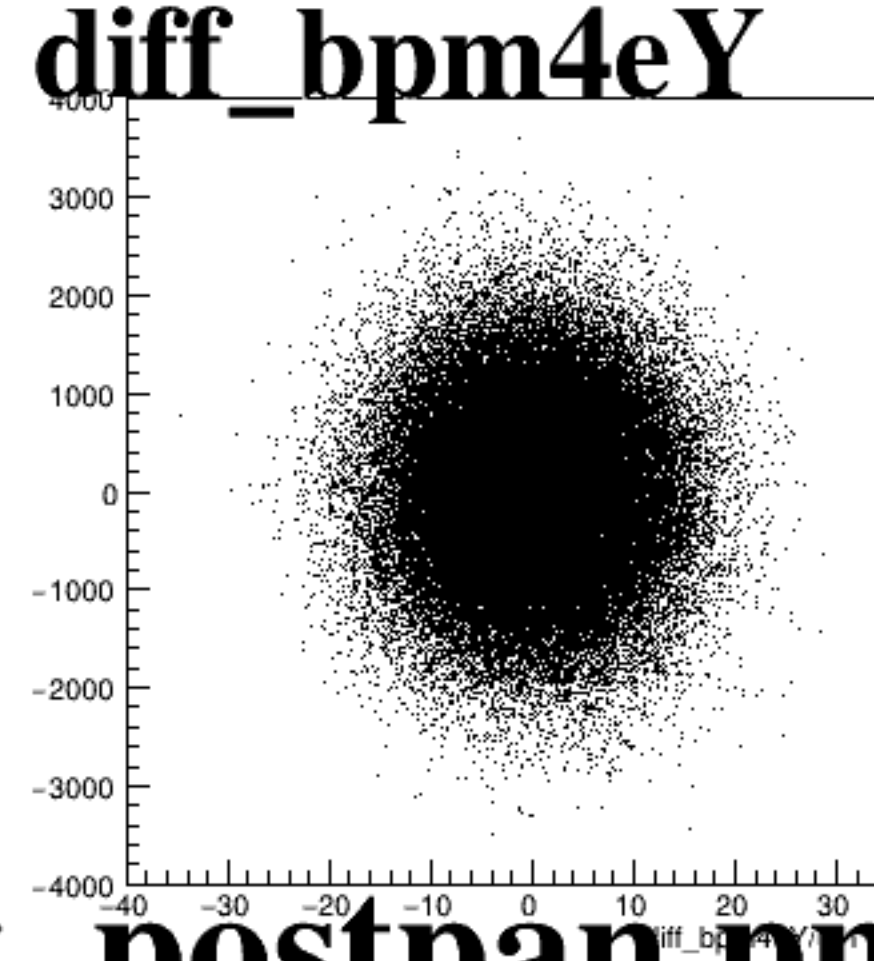
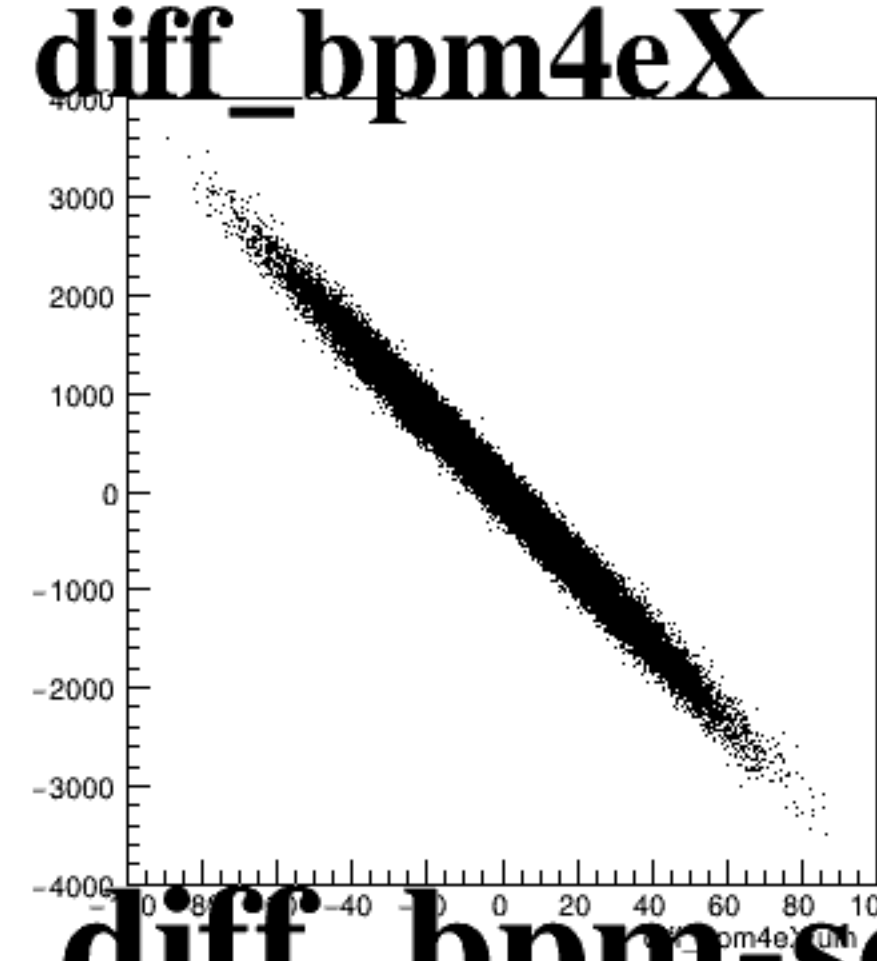
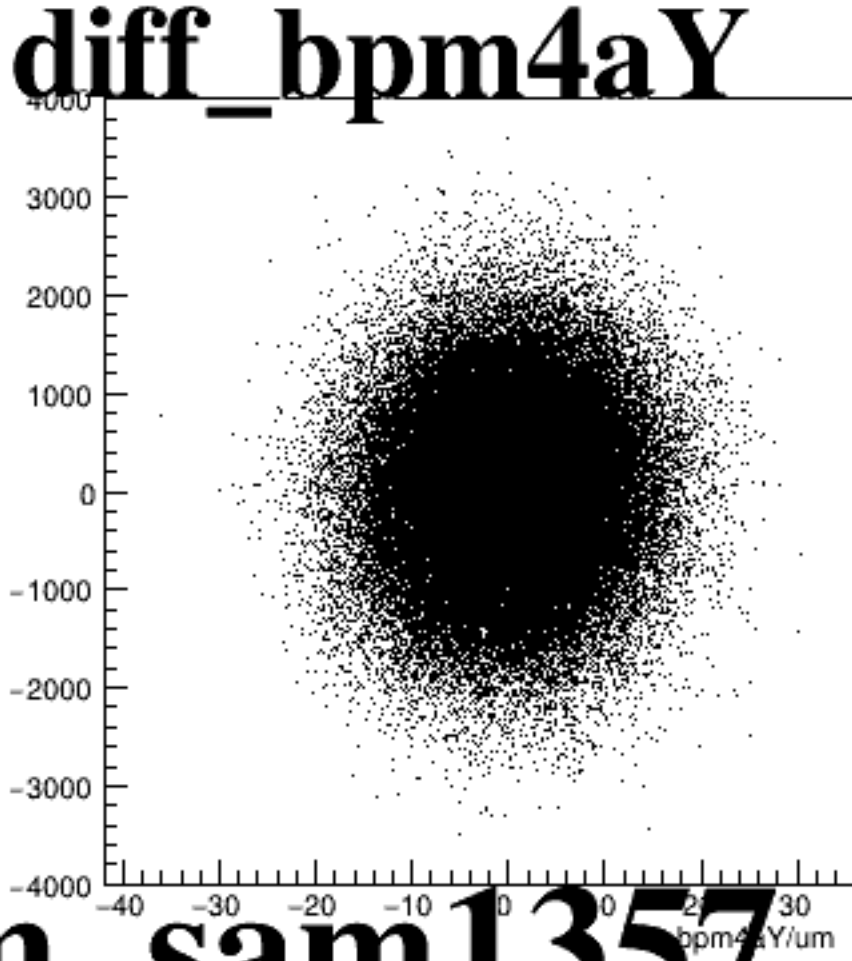
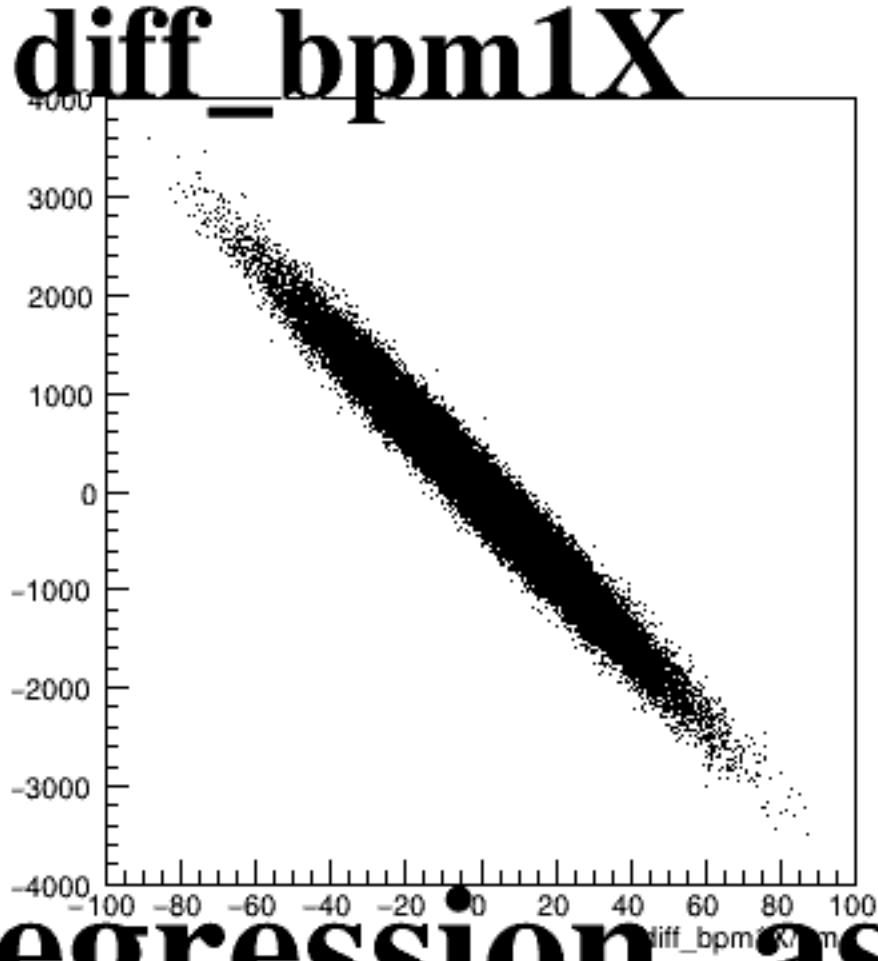
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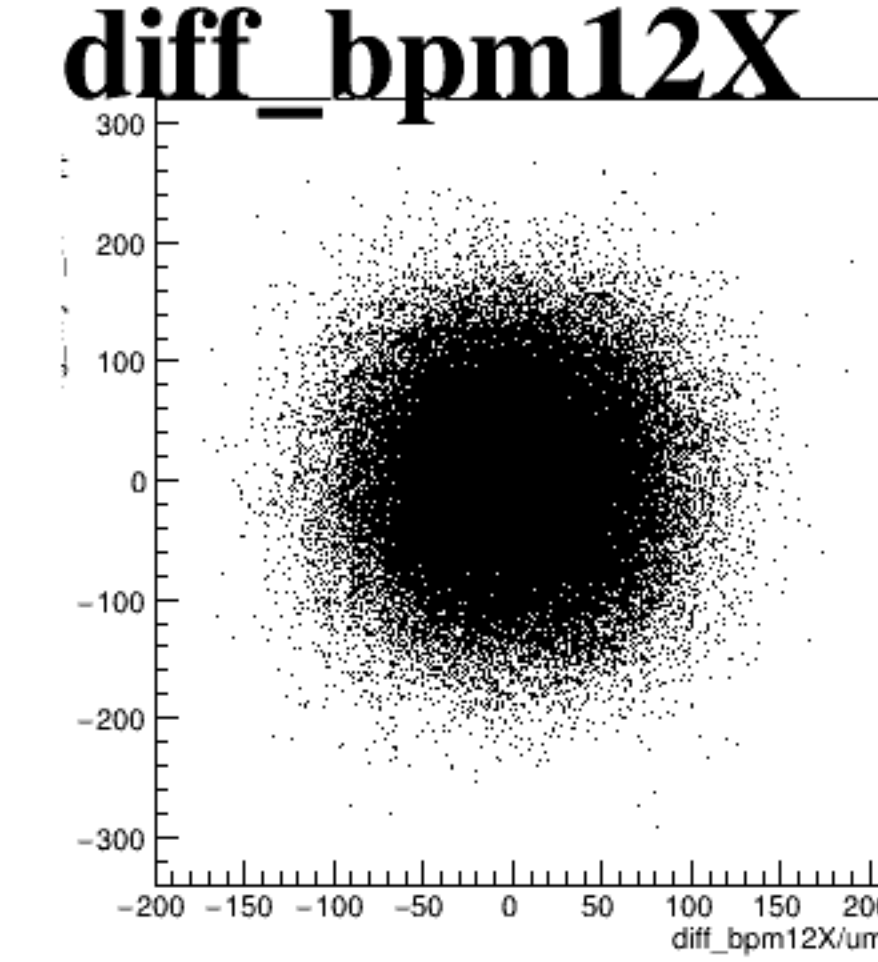
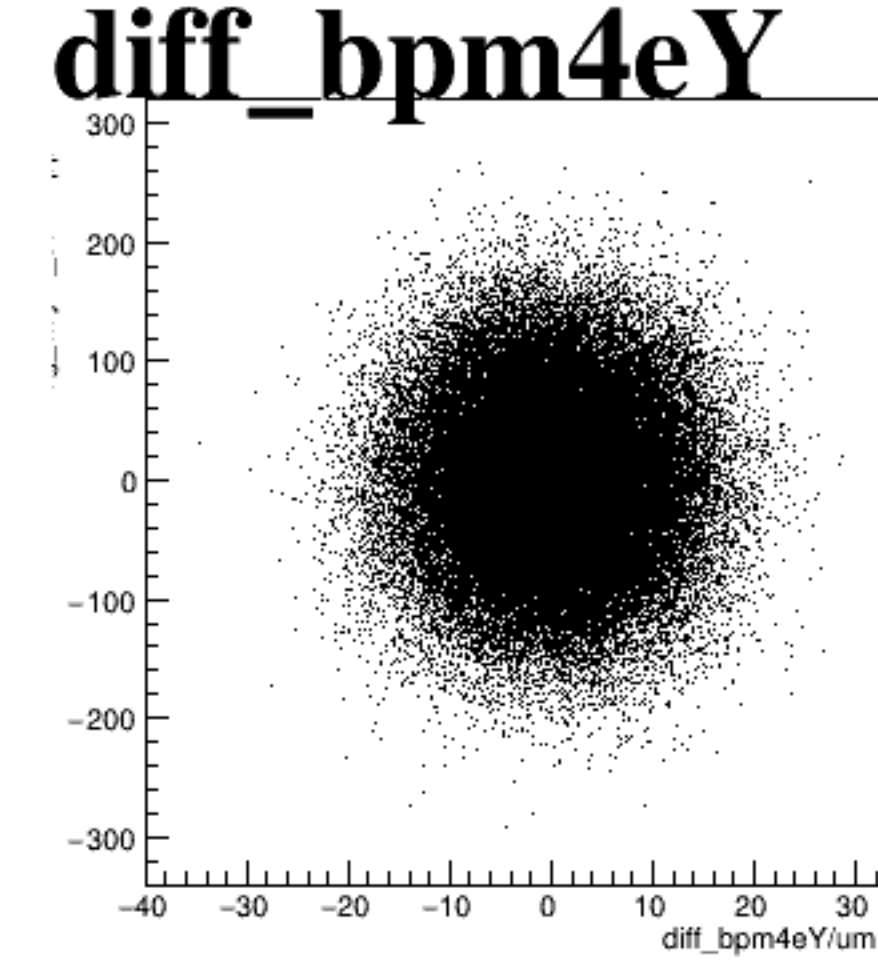
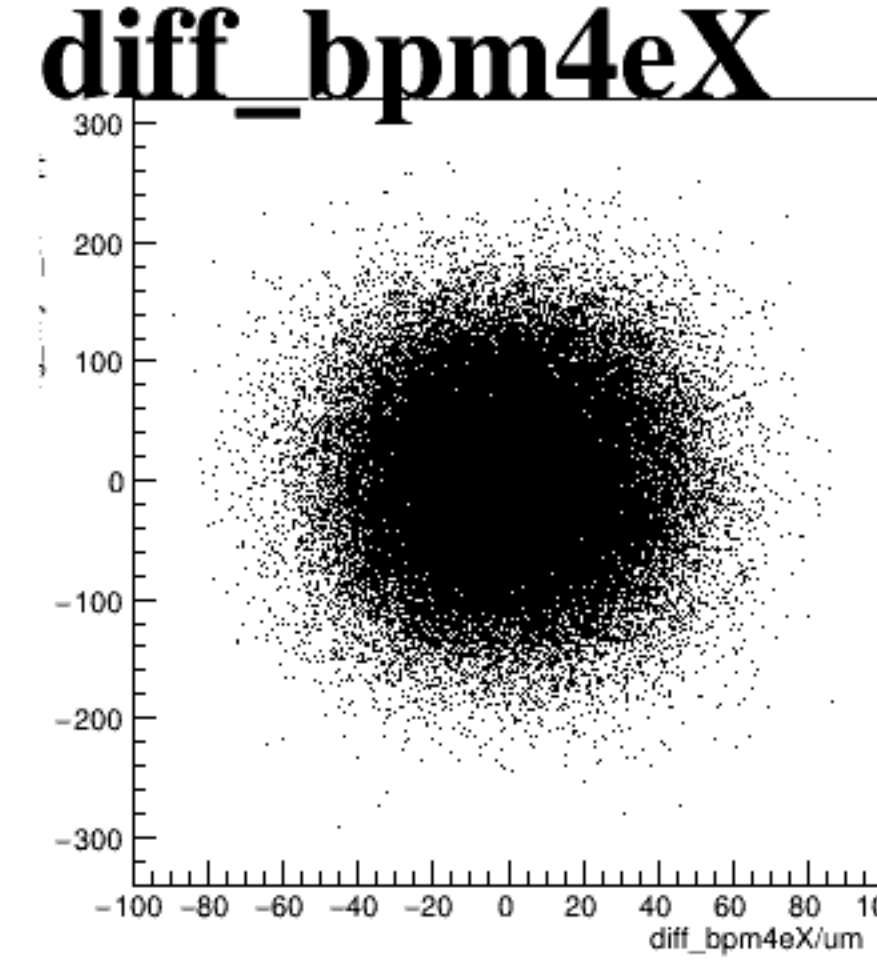
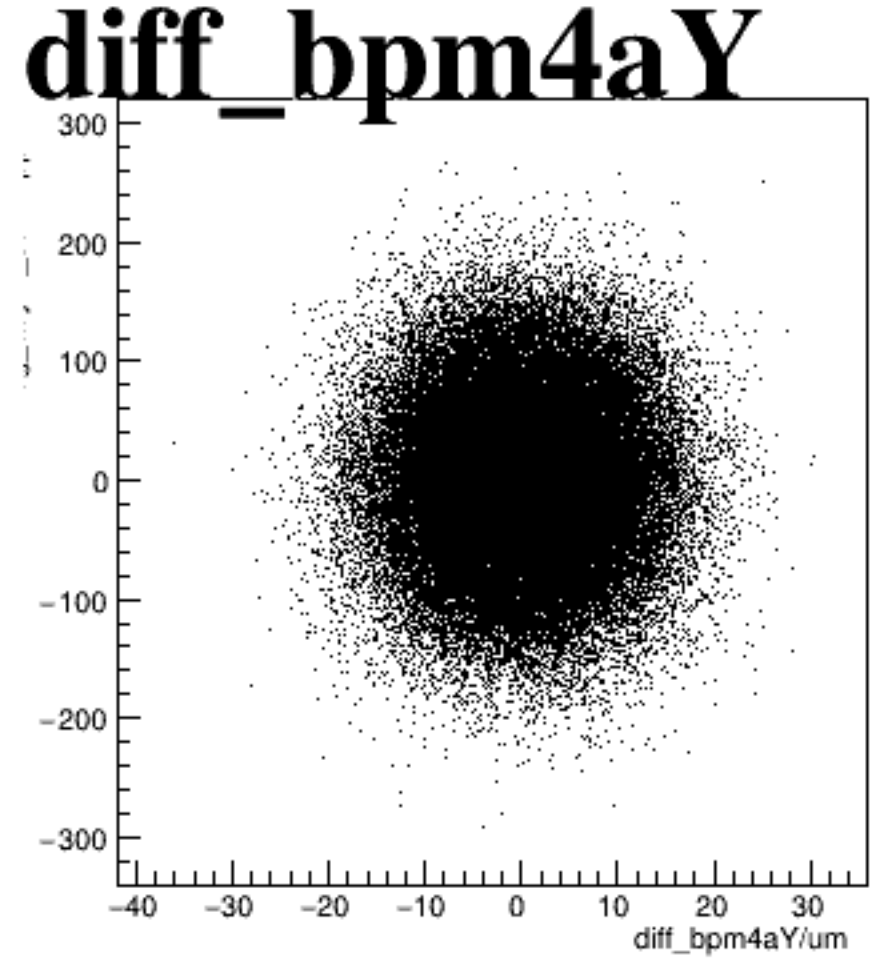
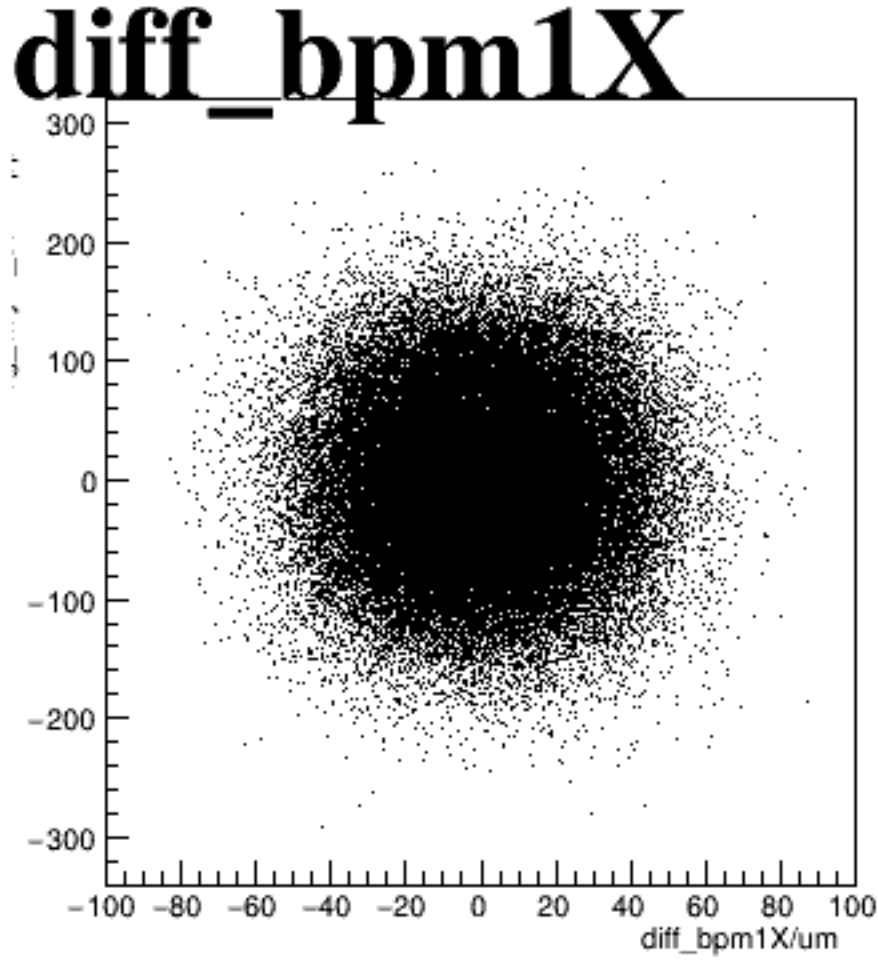
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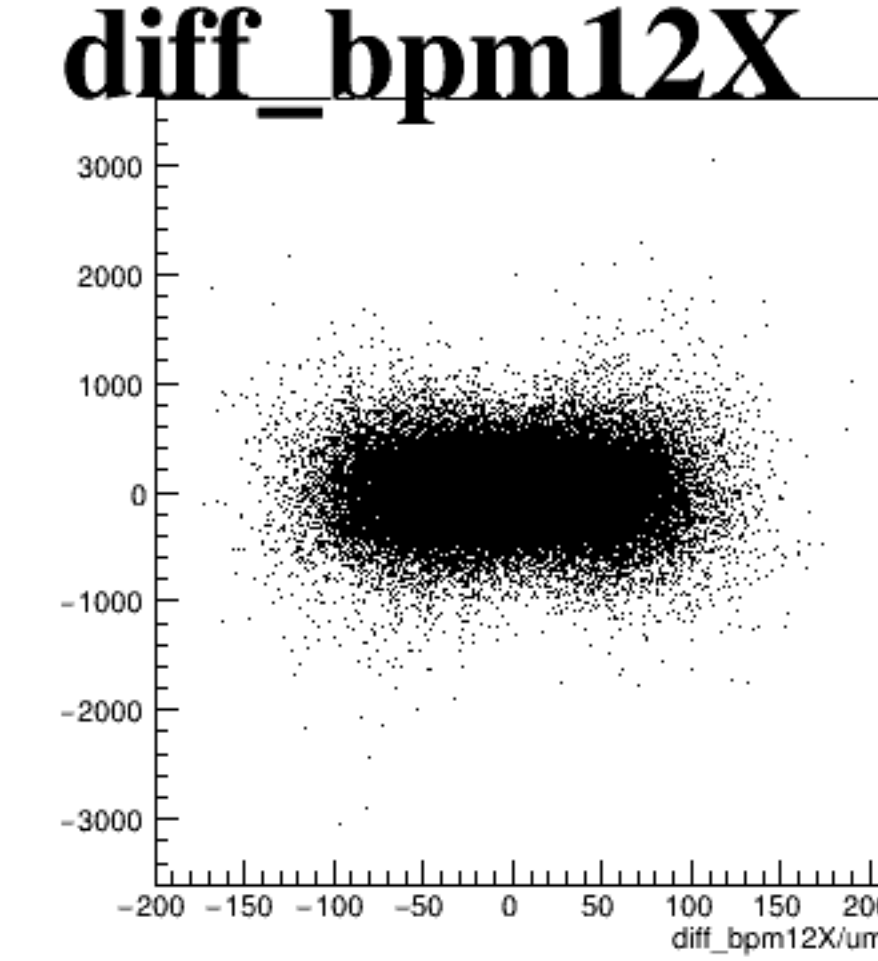
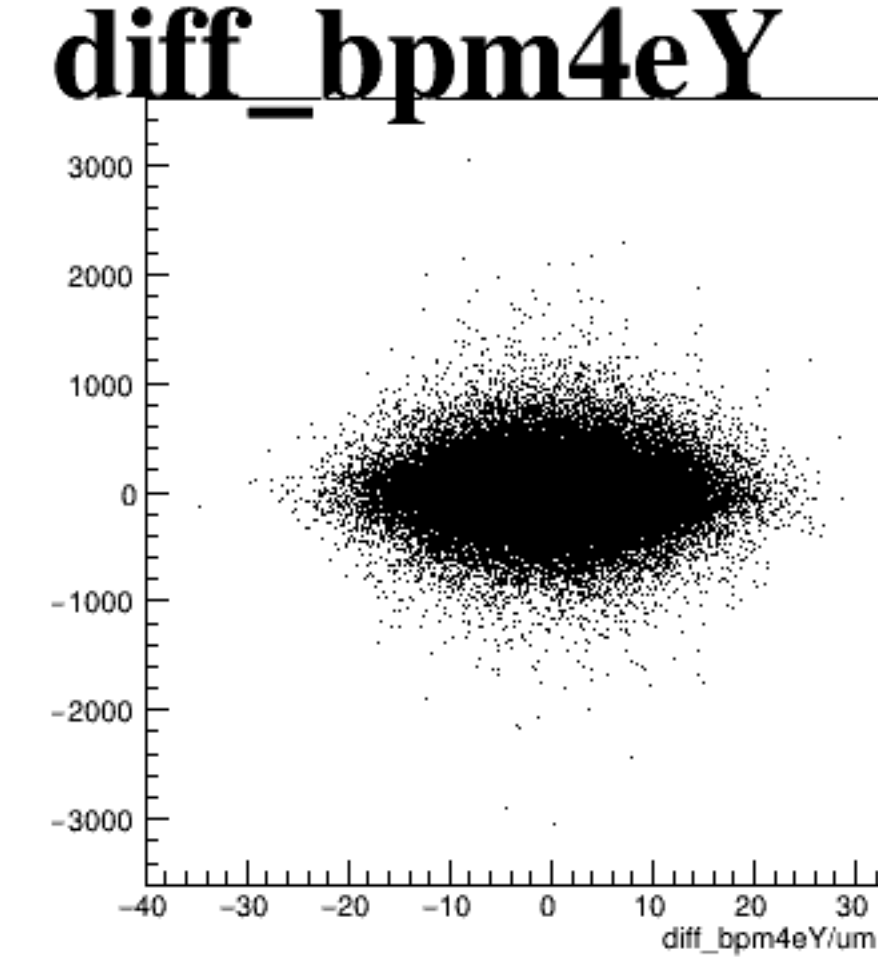
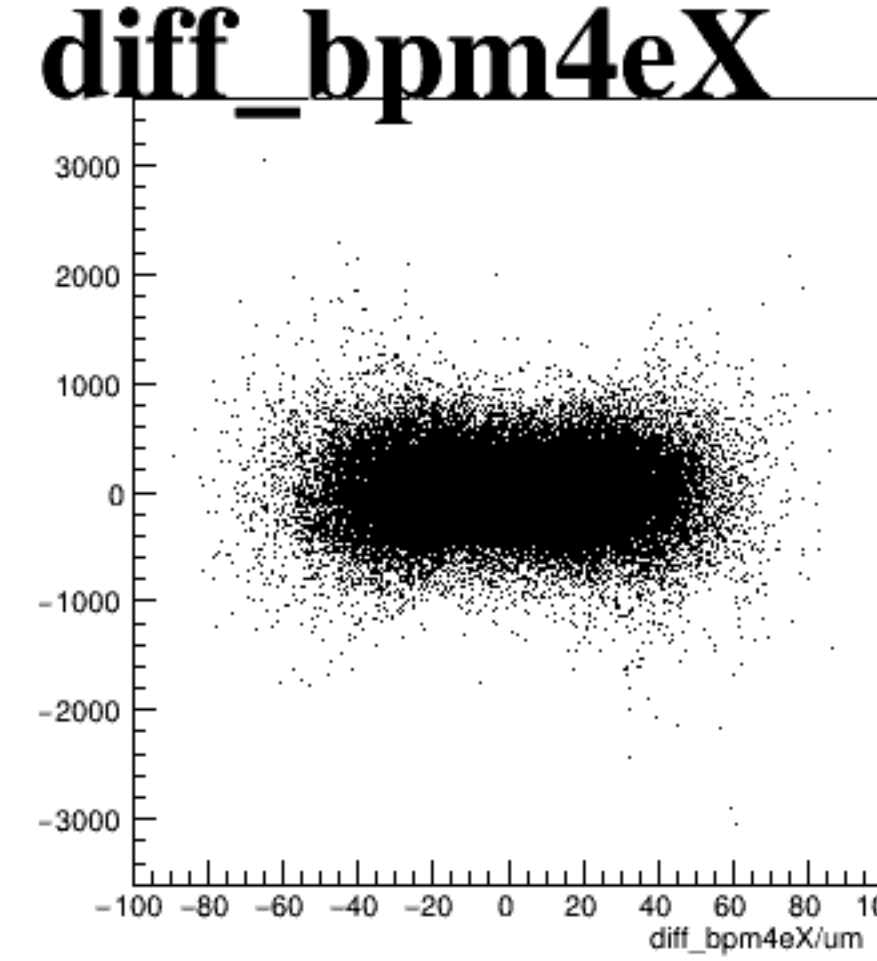
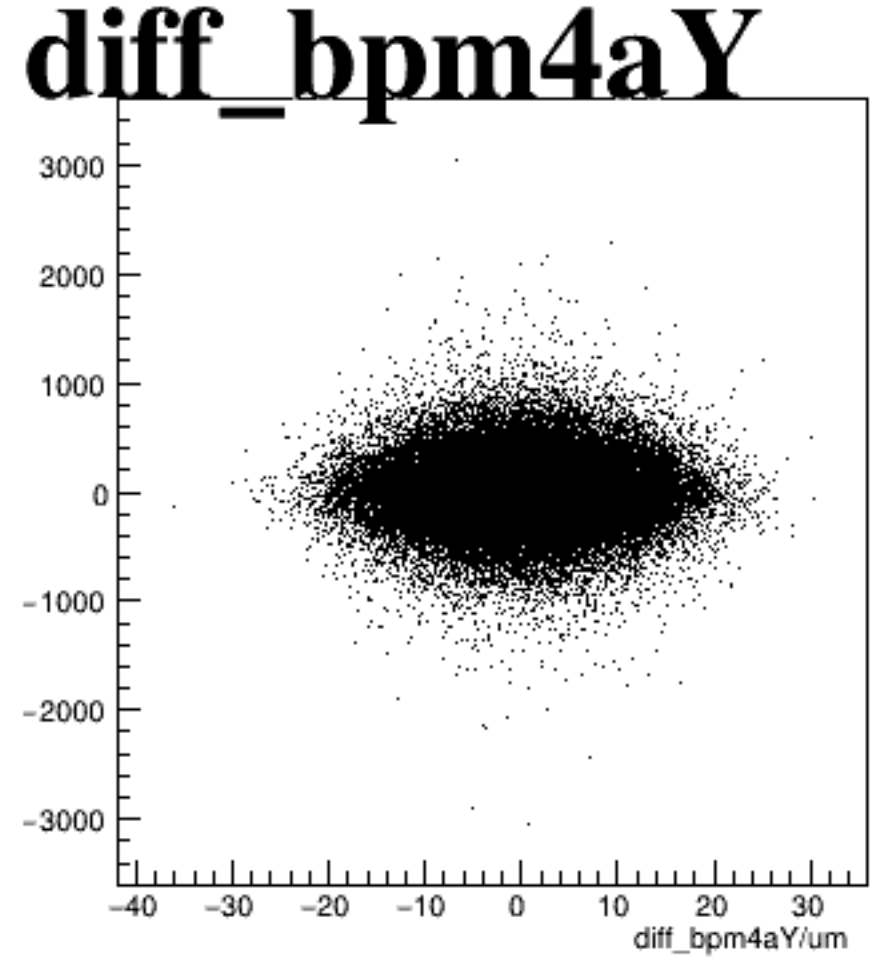
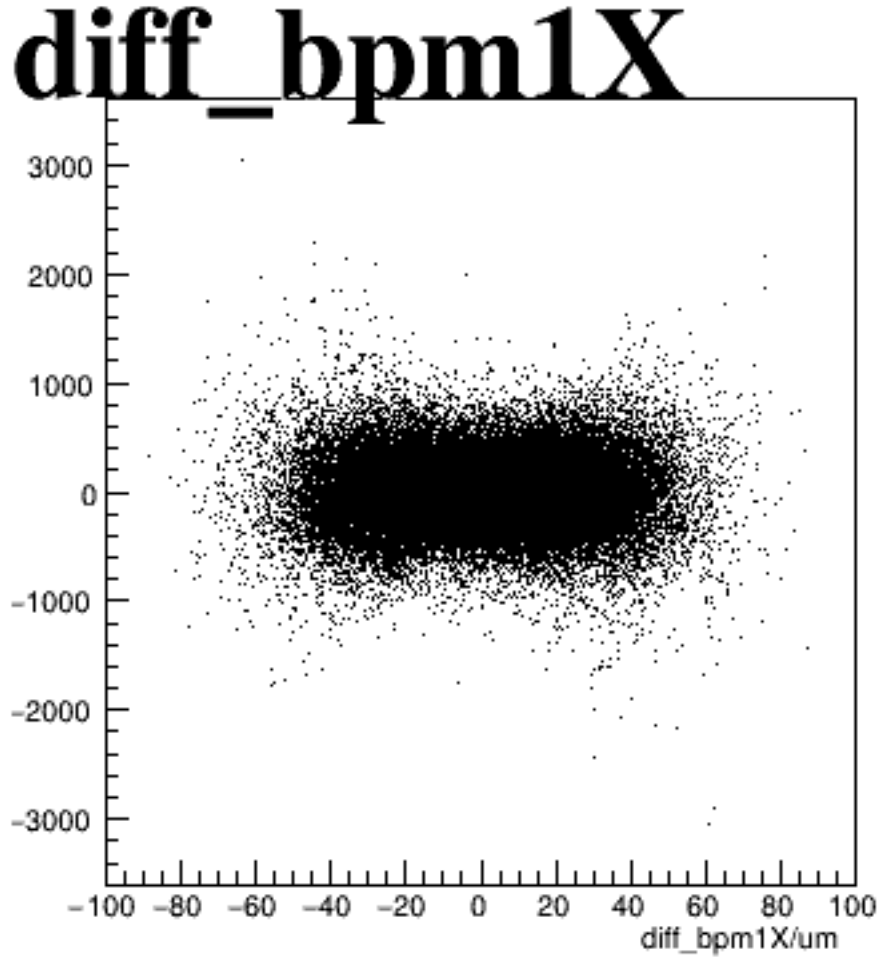
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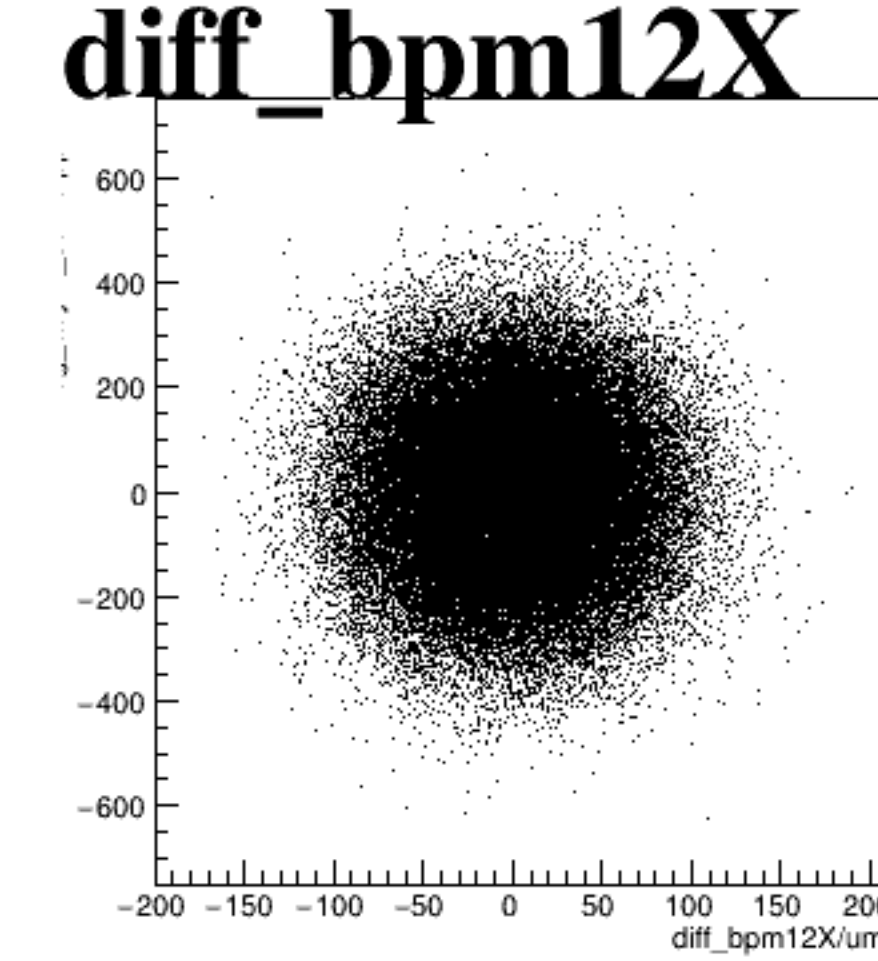
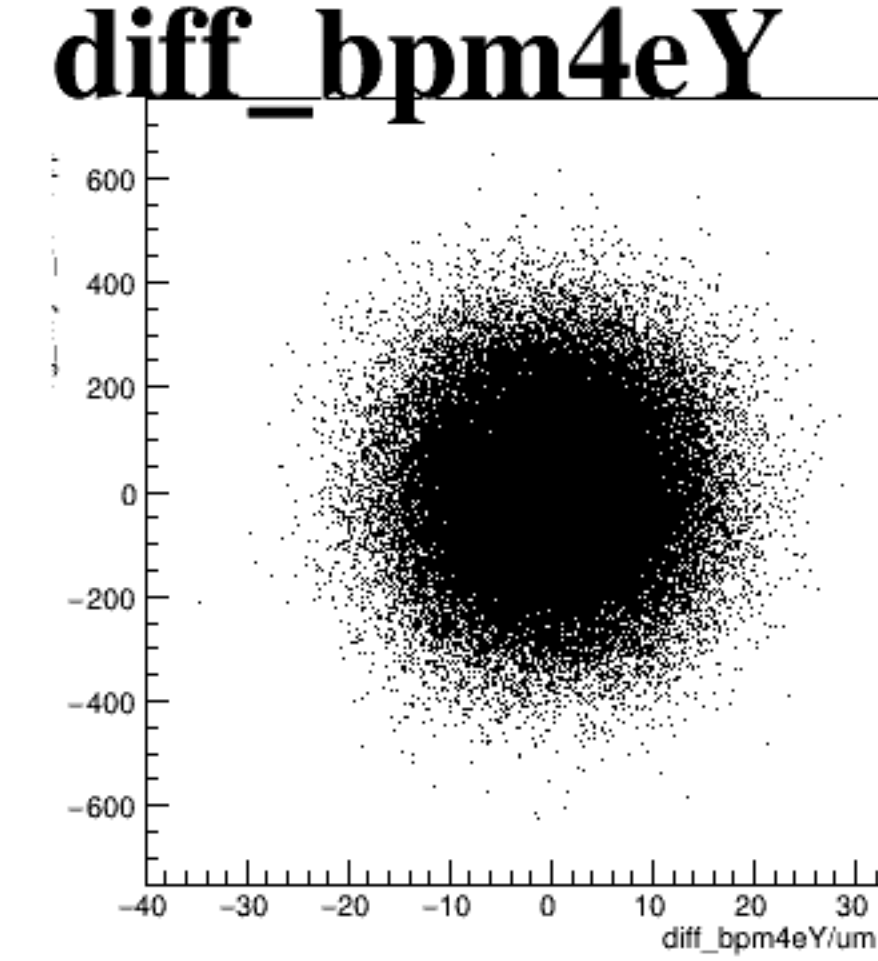
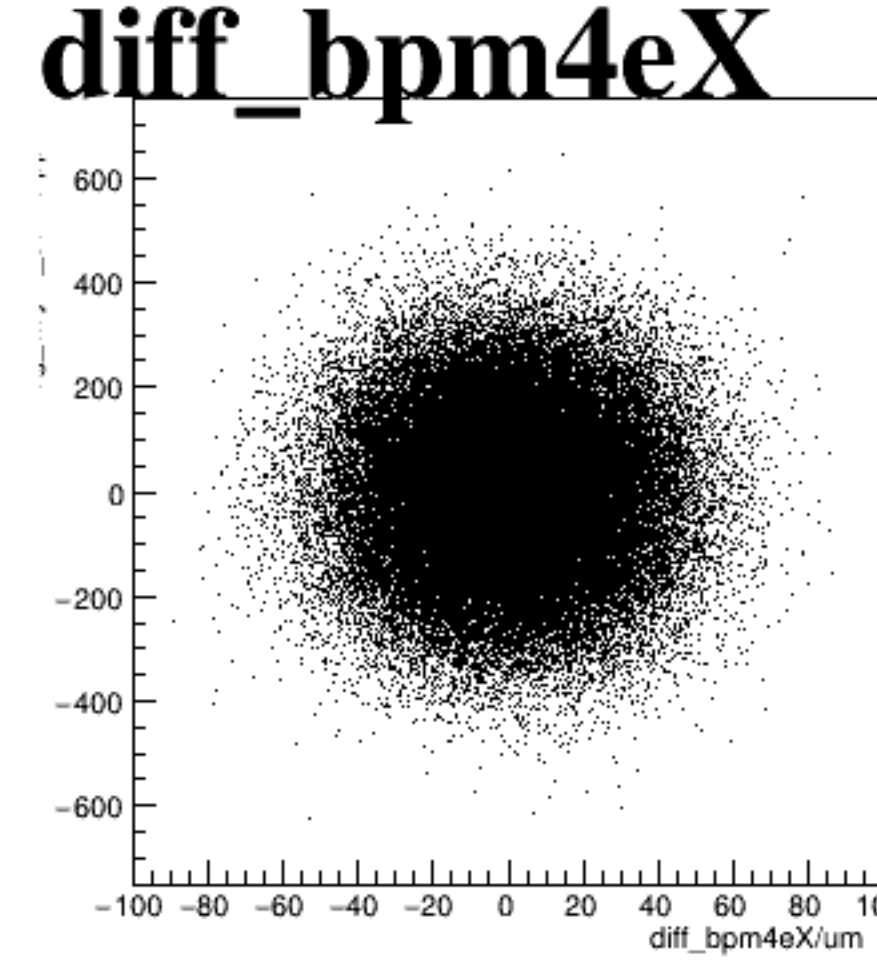
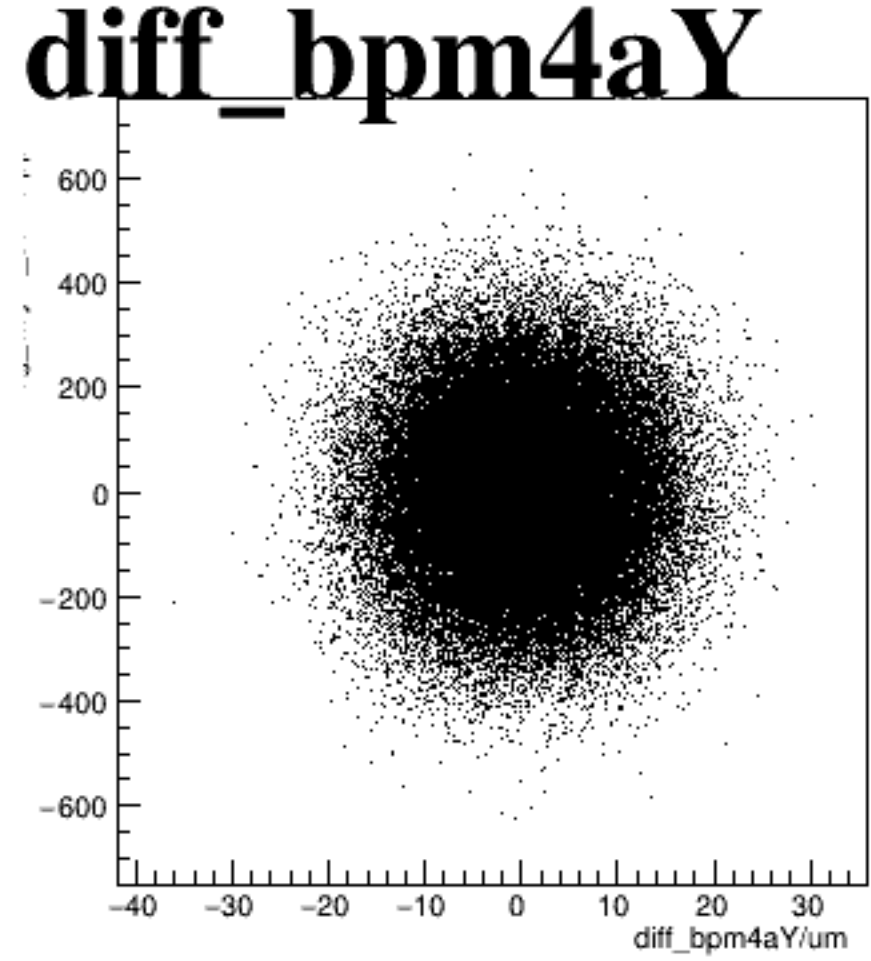
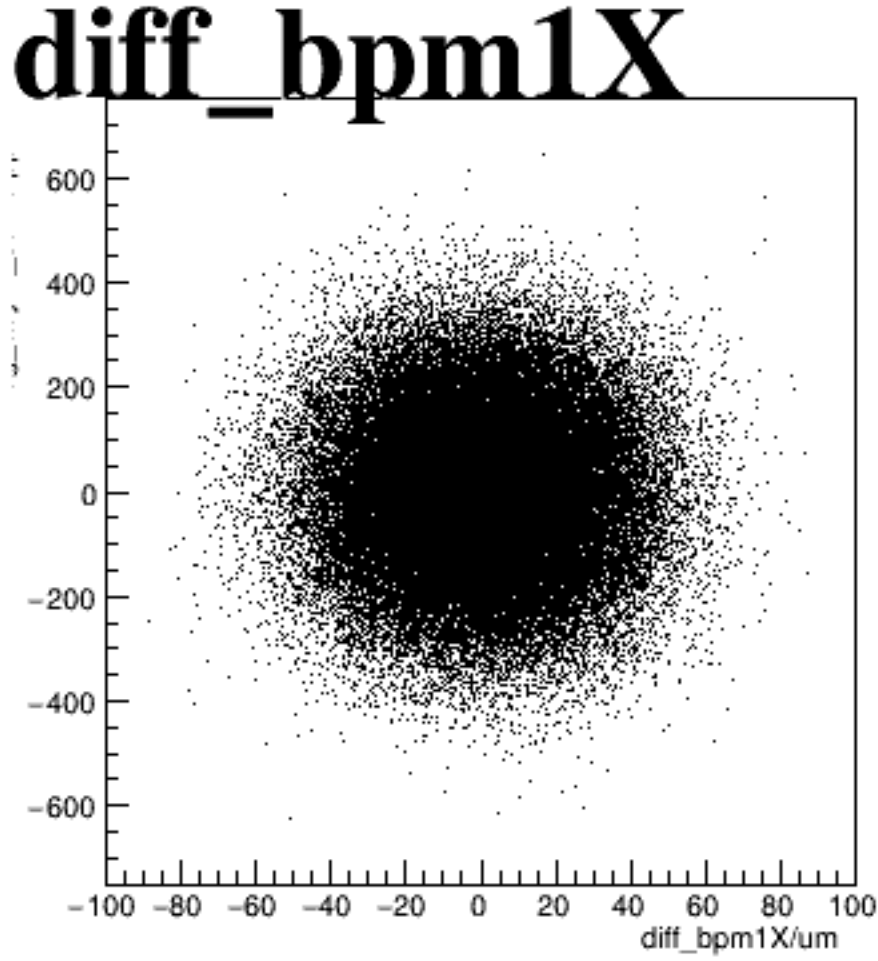
reg_asym_sam1



reg_asym_sam3



reg_asym_sam5



reg_asym_sam7

