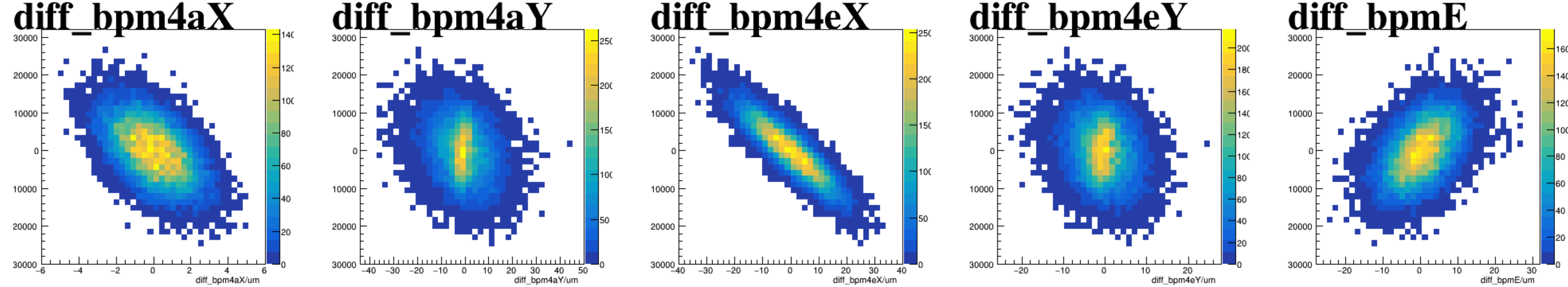
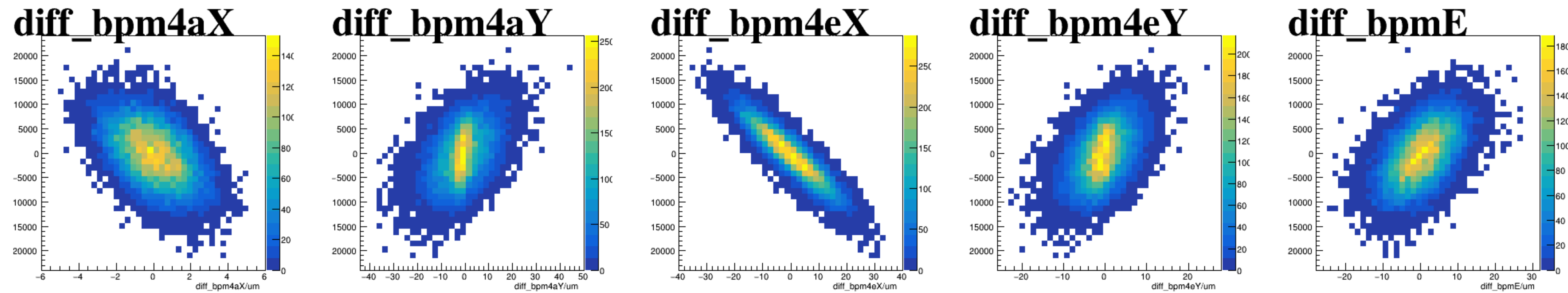


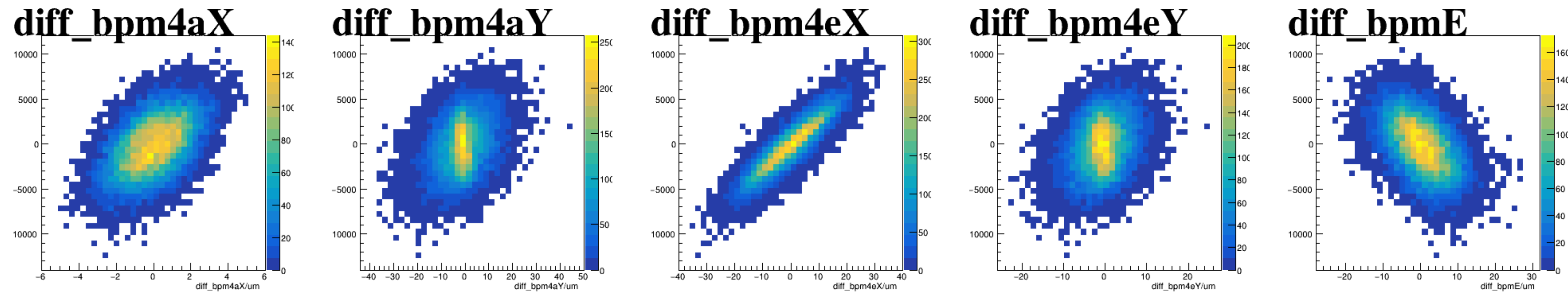
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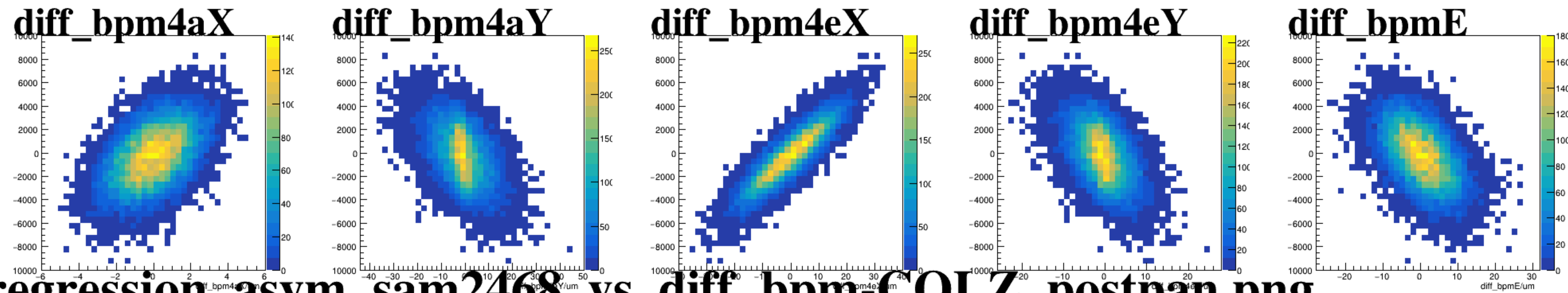
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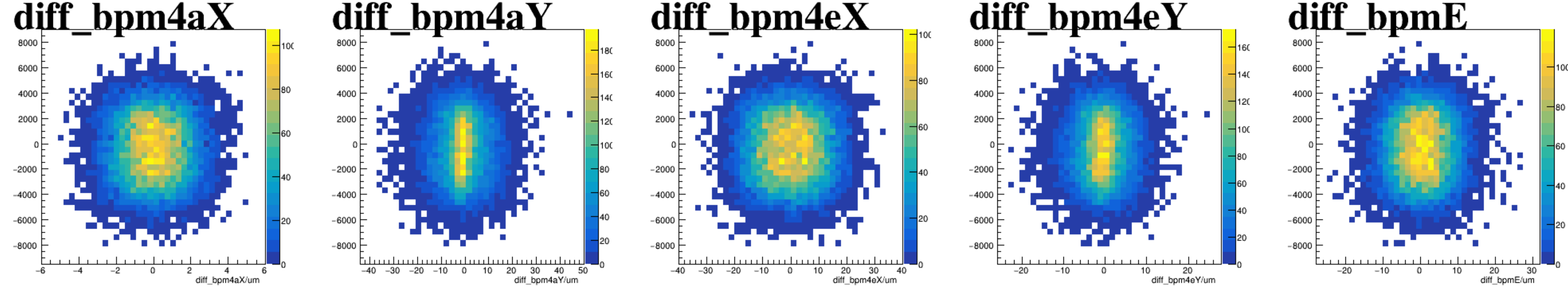
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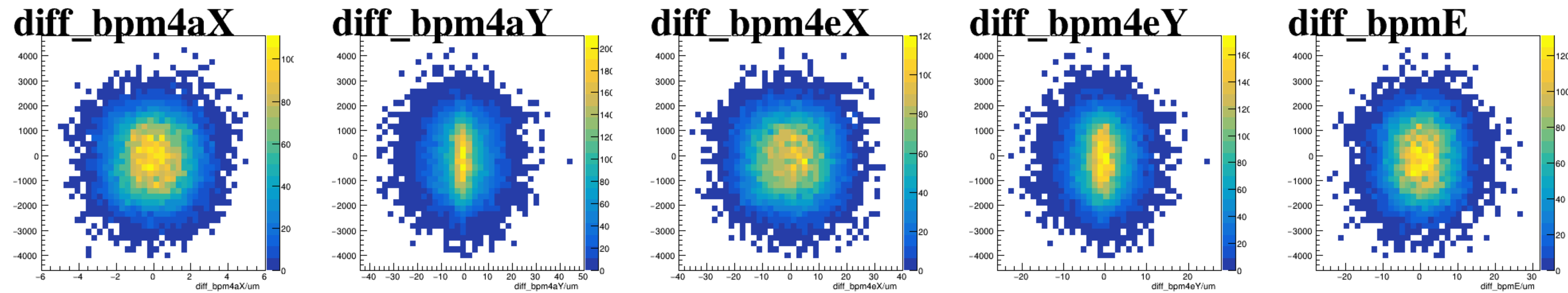
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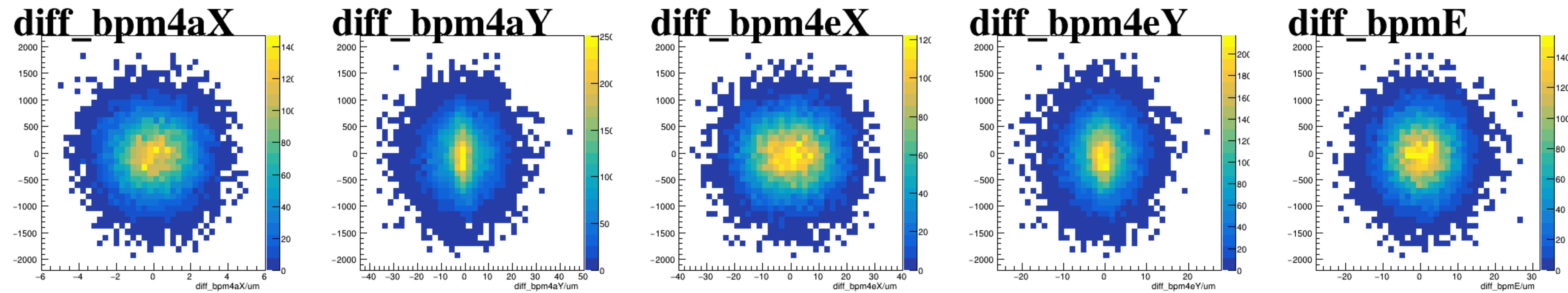
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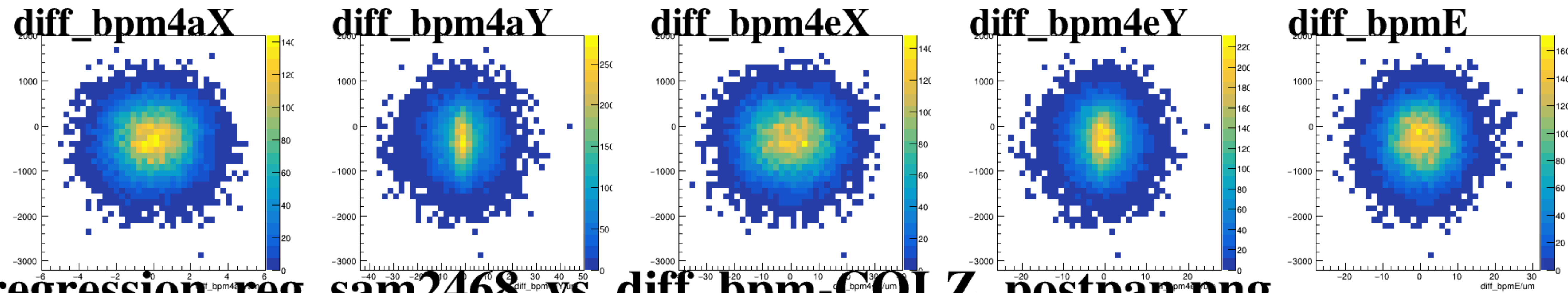
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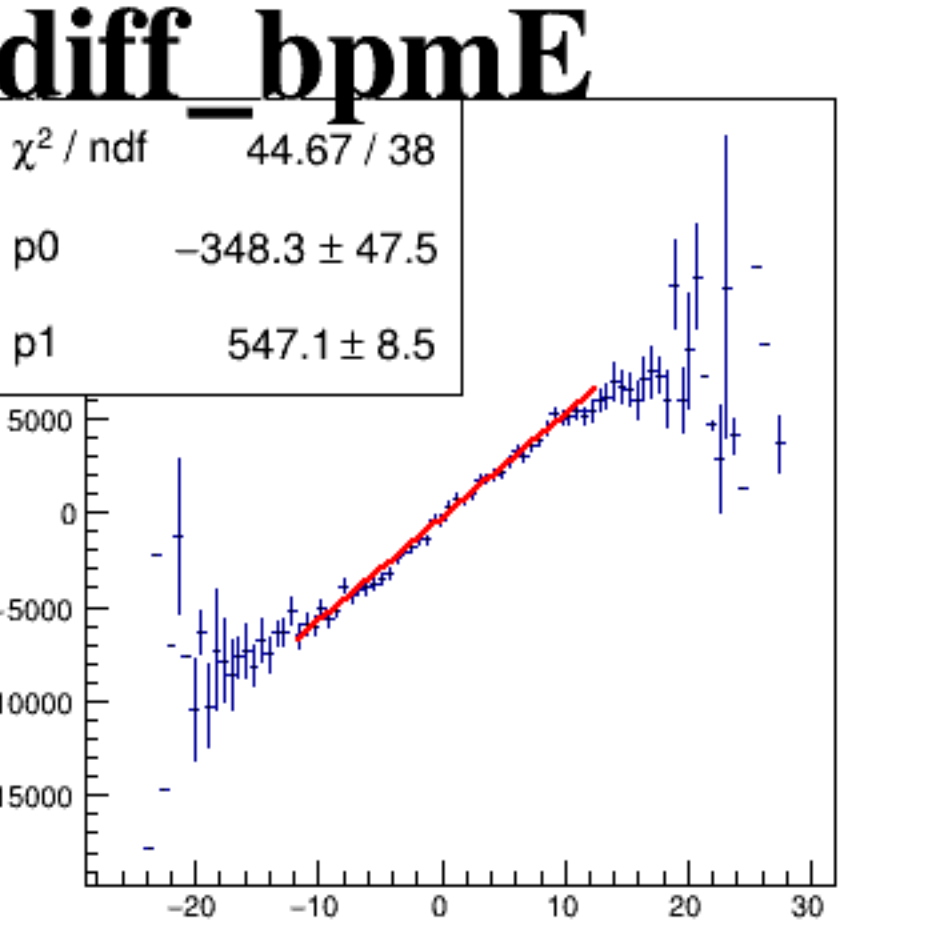
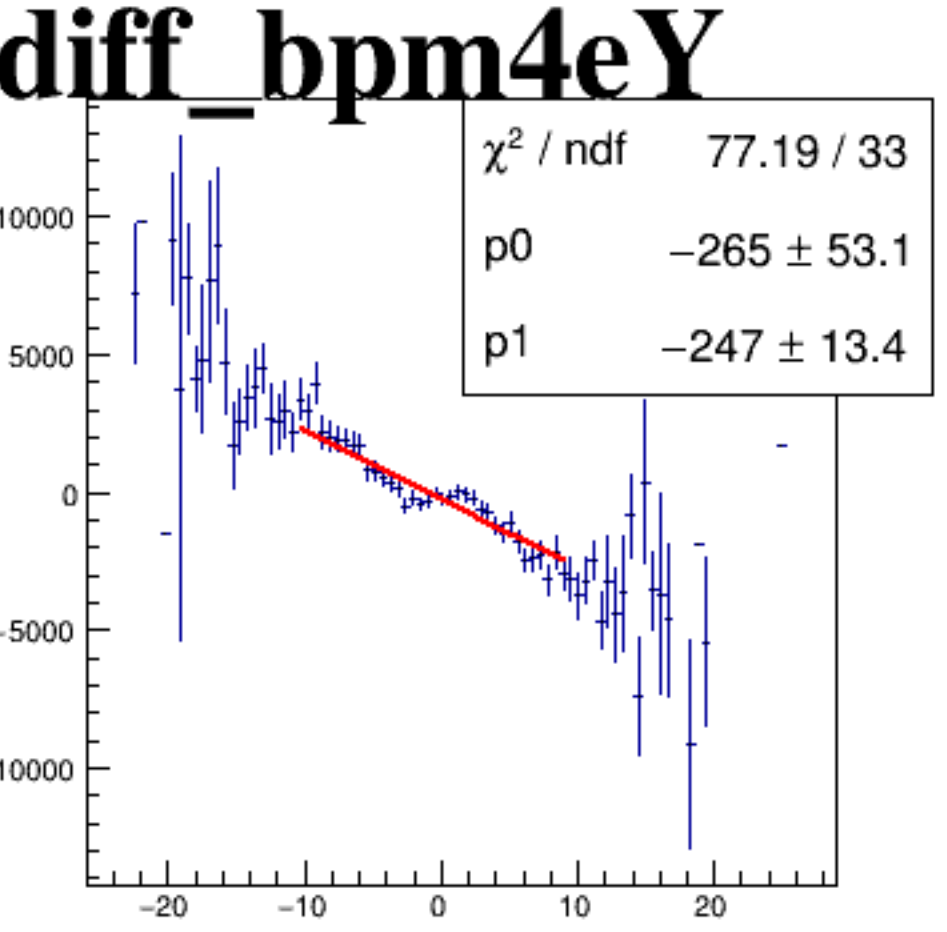
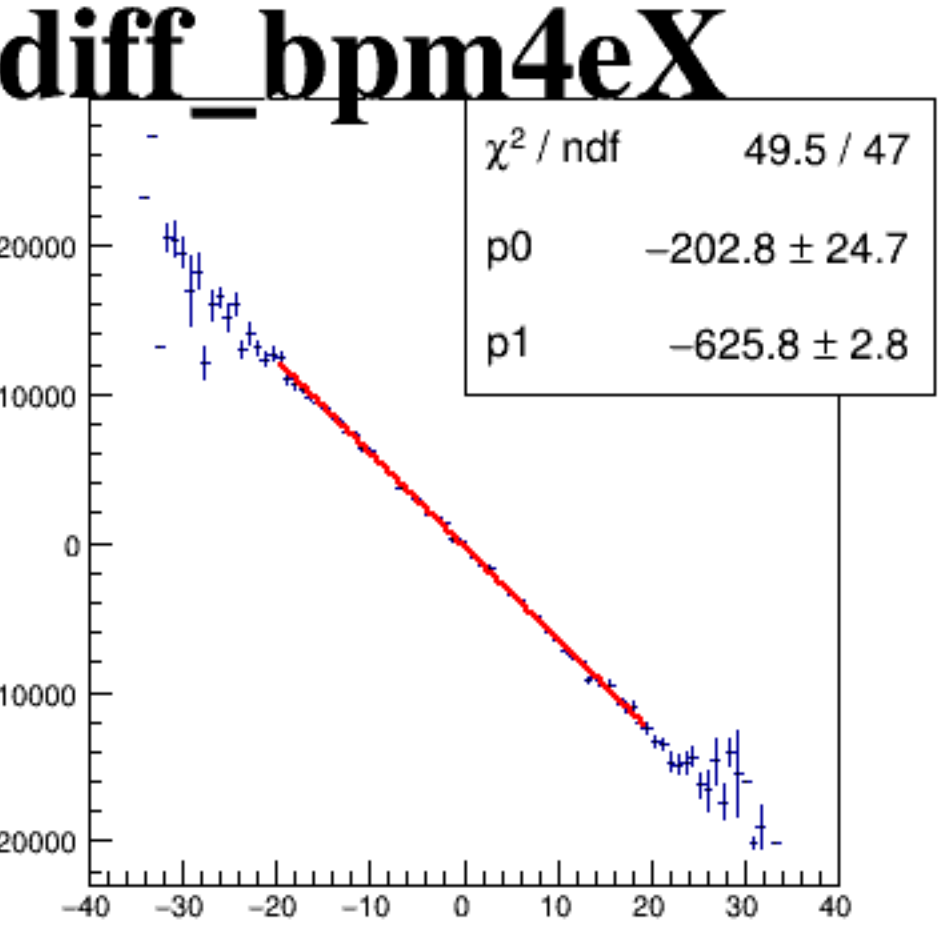
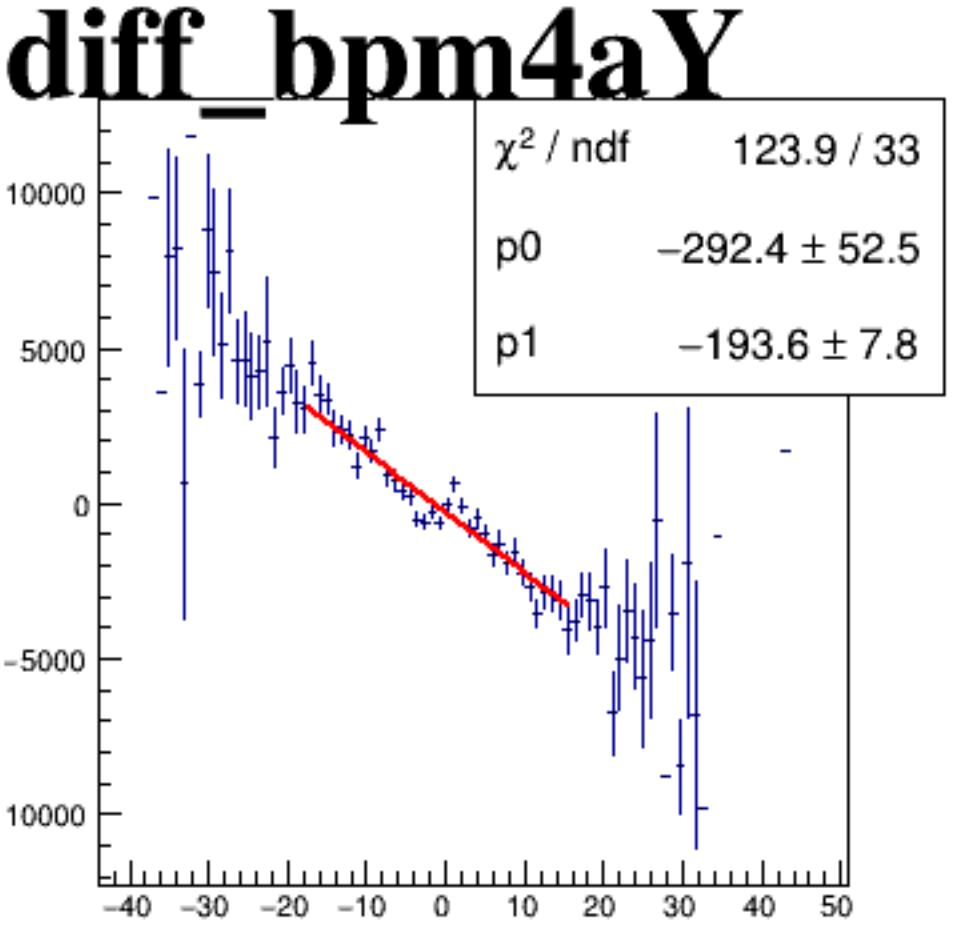
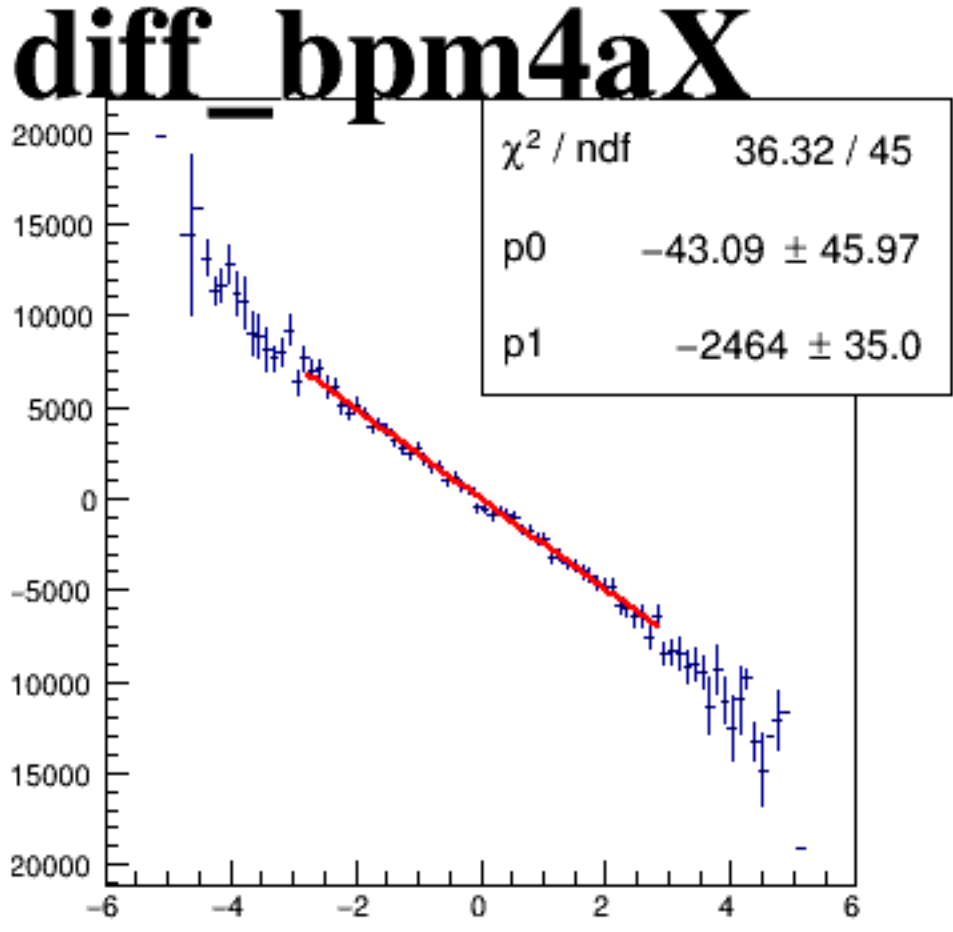
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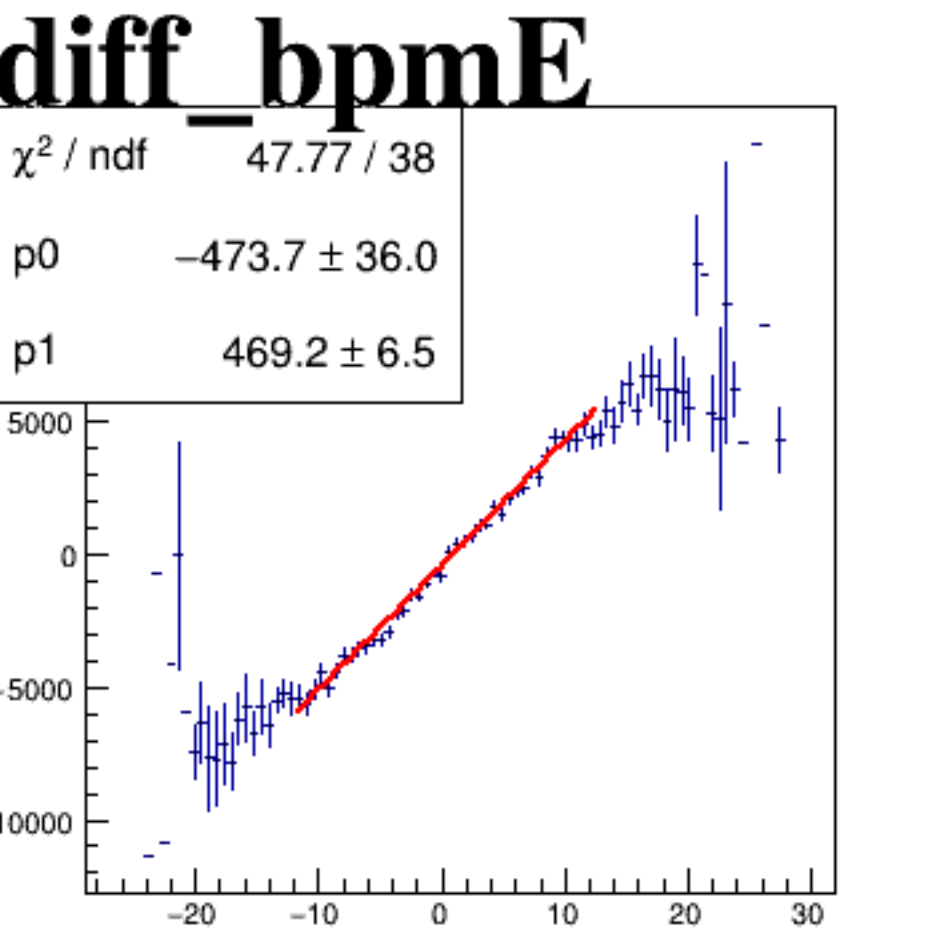
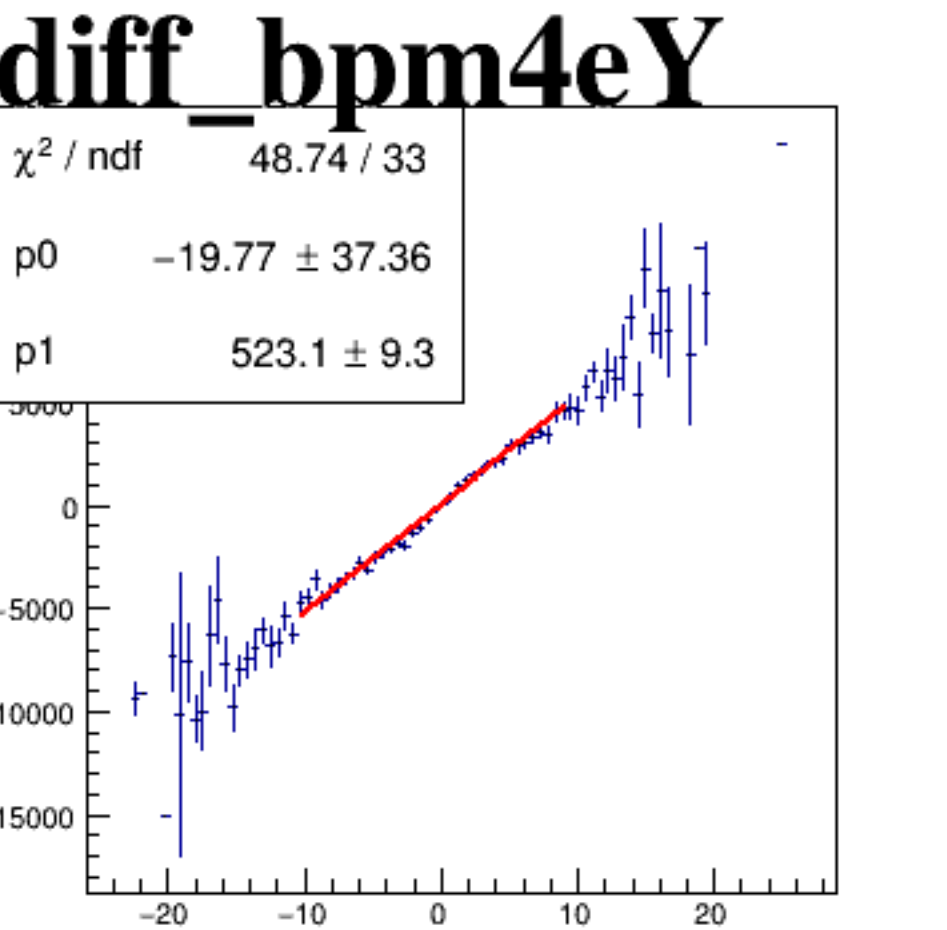
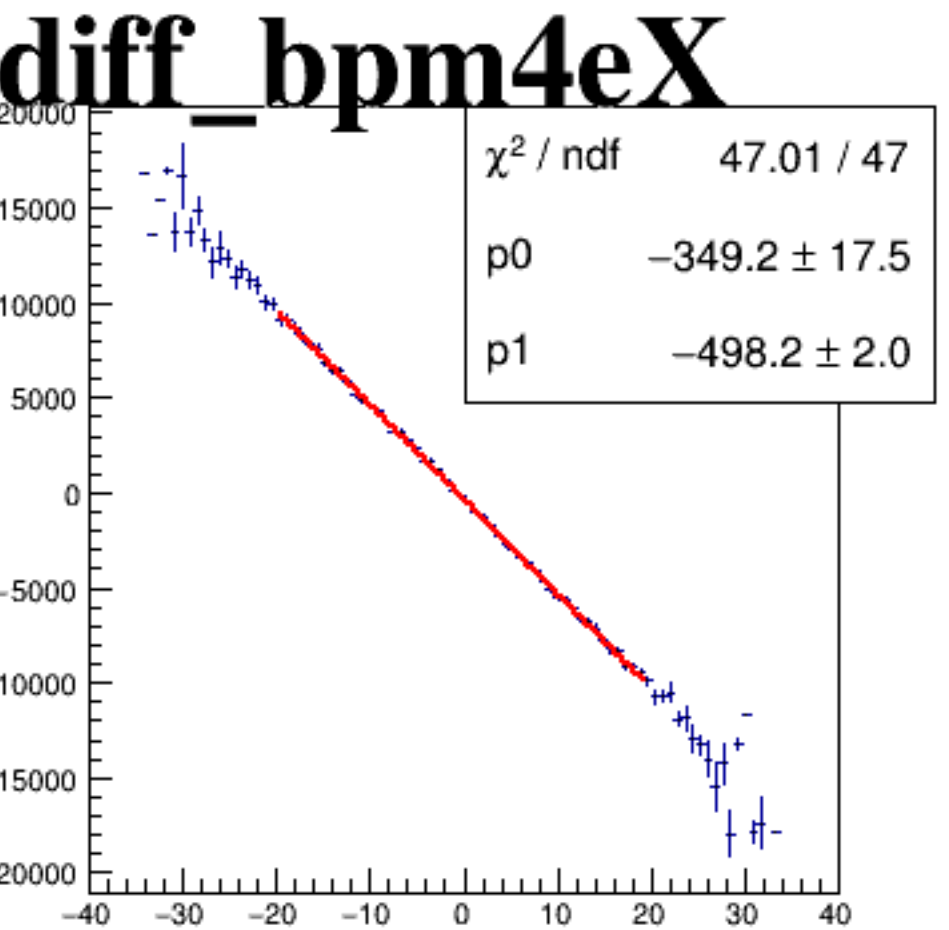
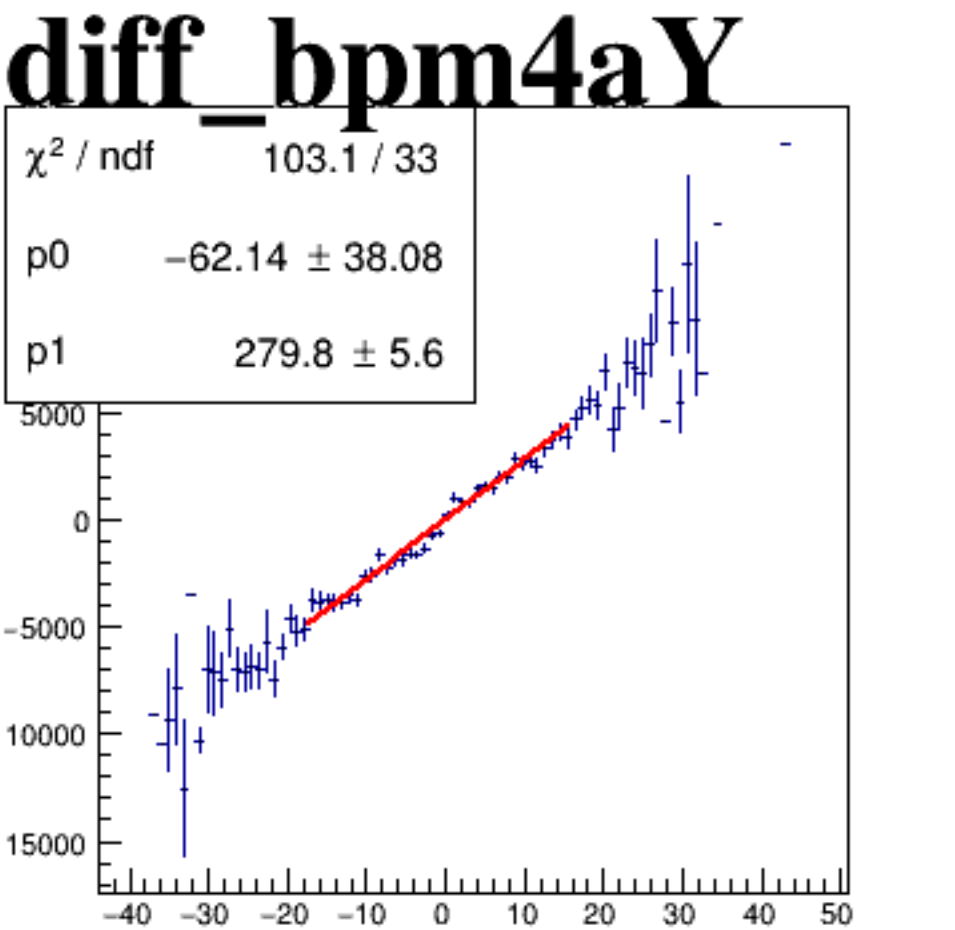
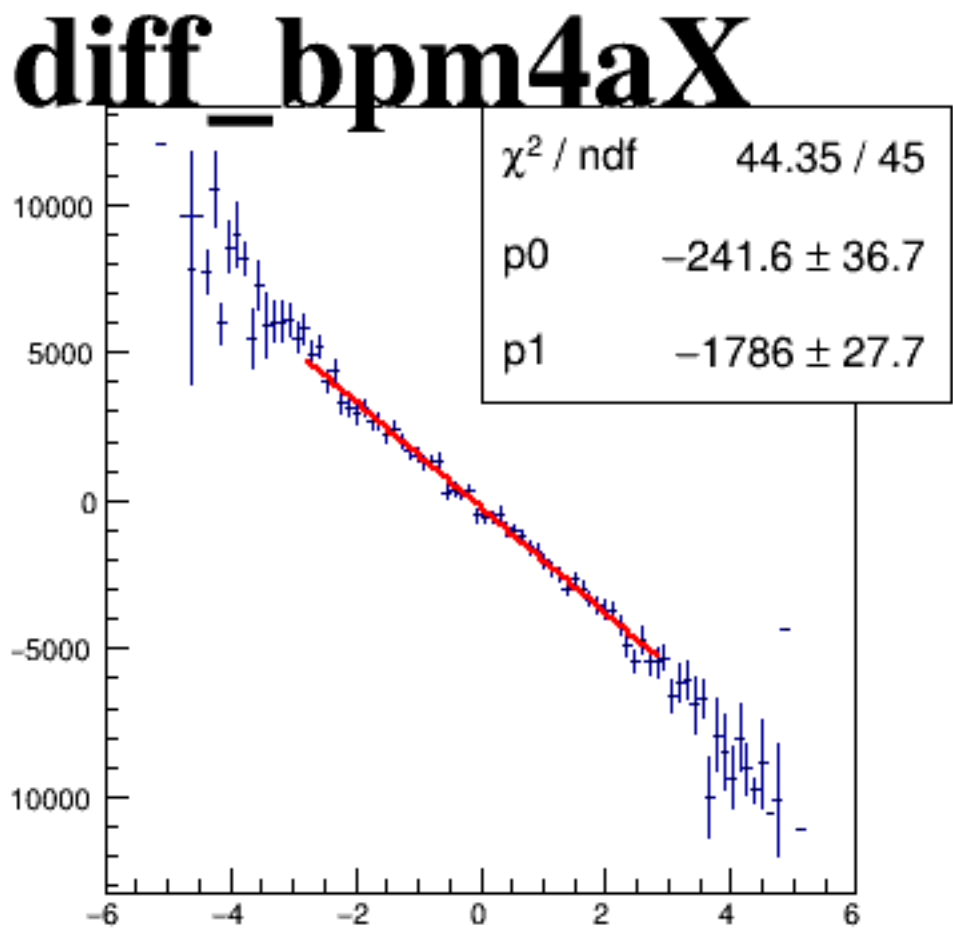
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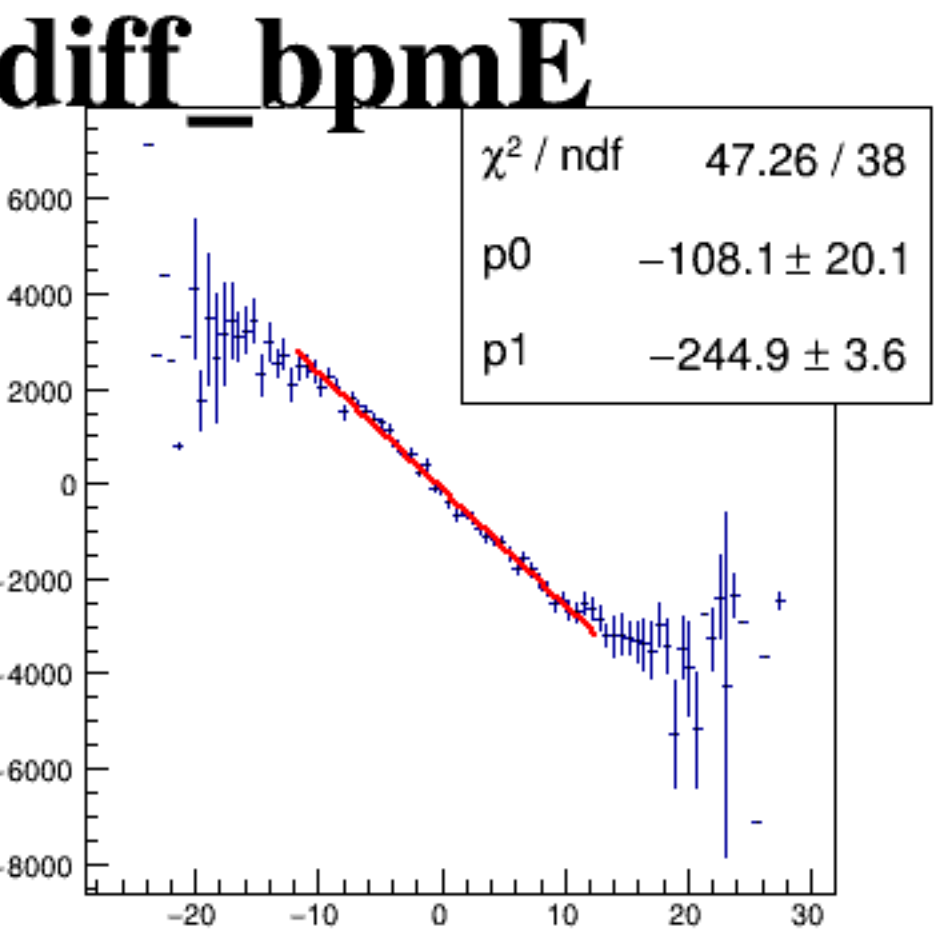
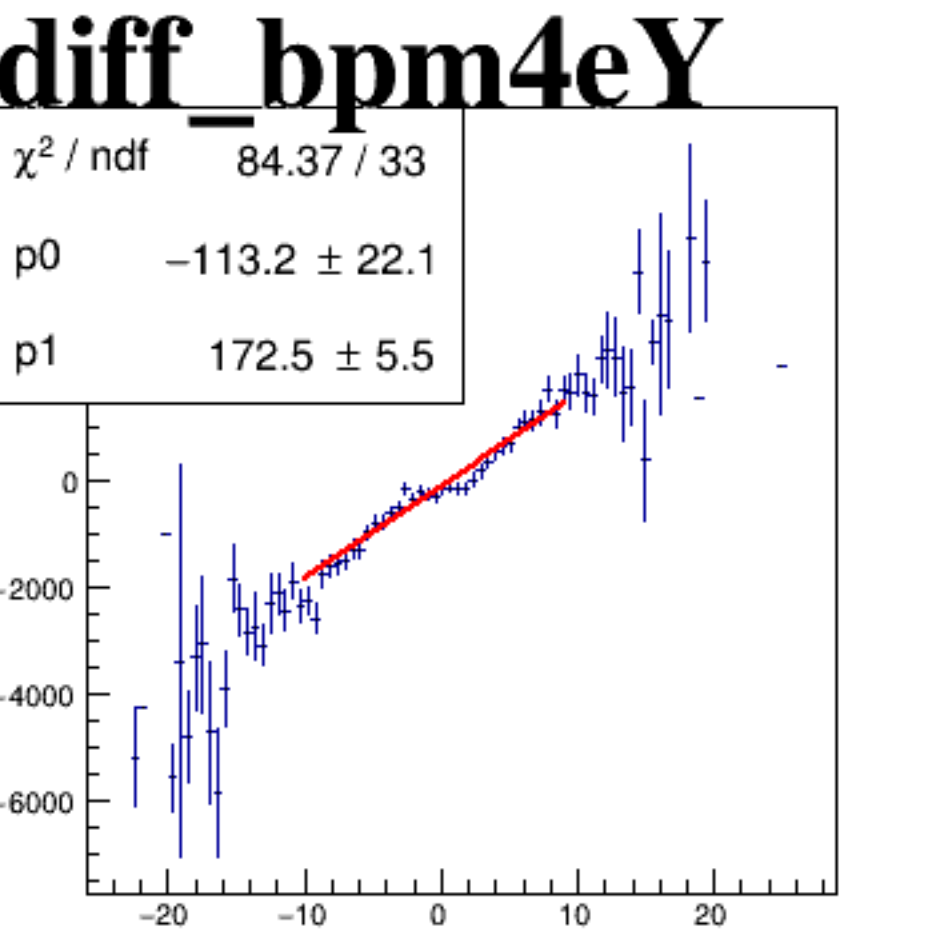
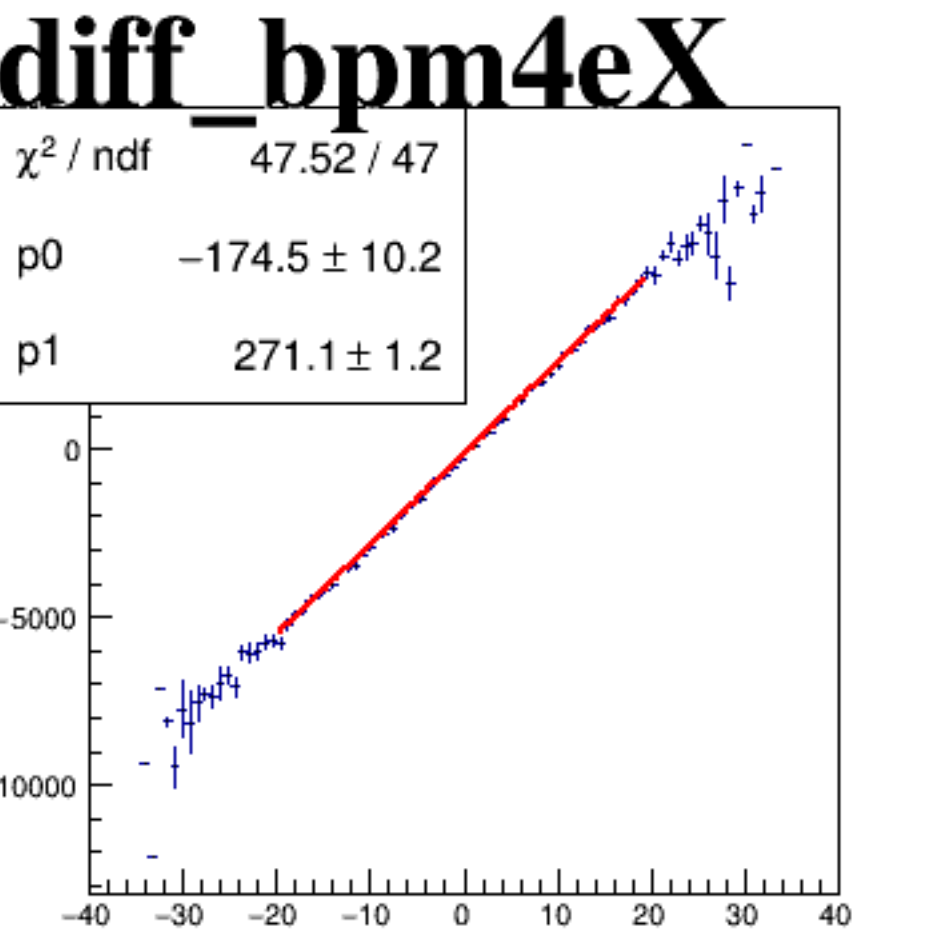
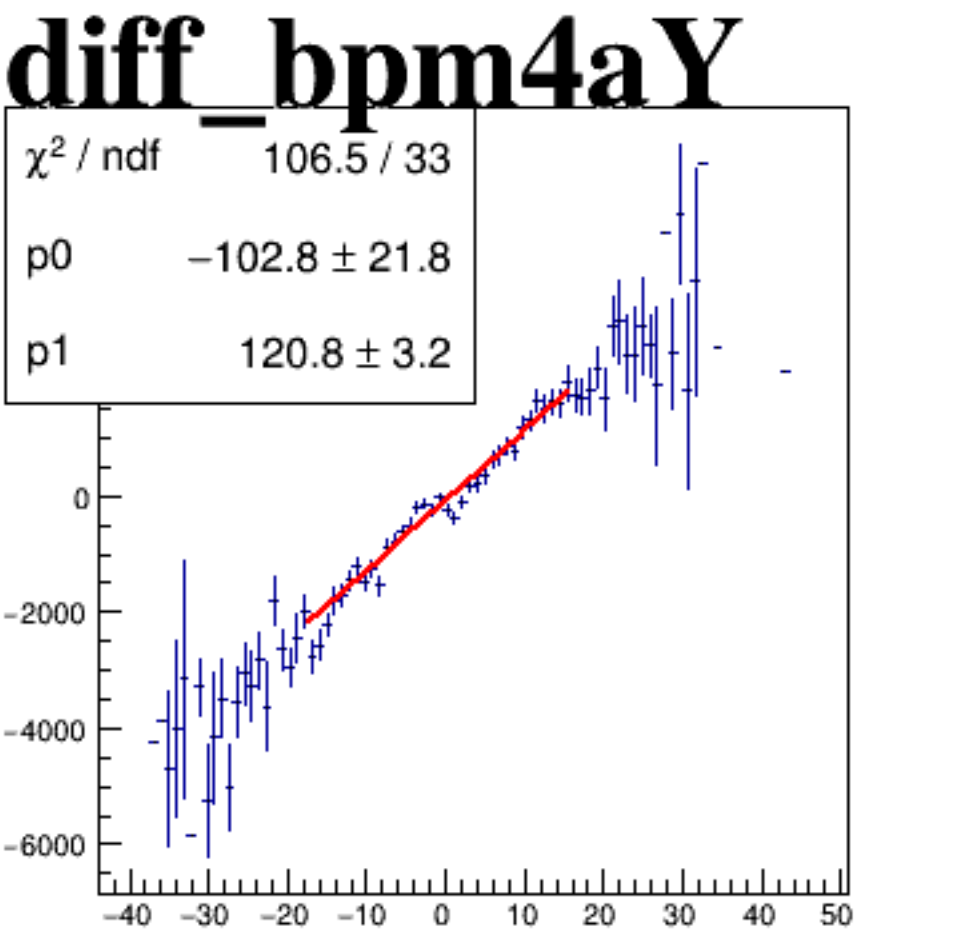
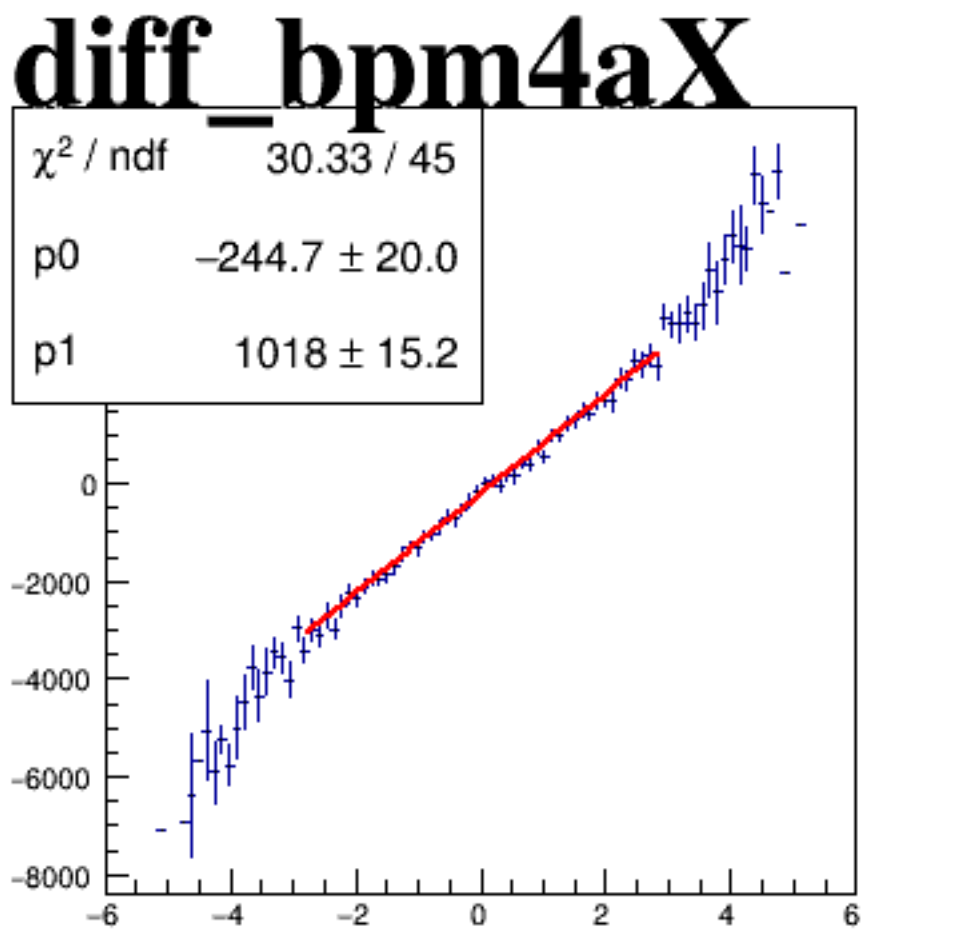
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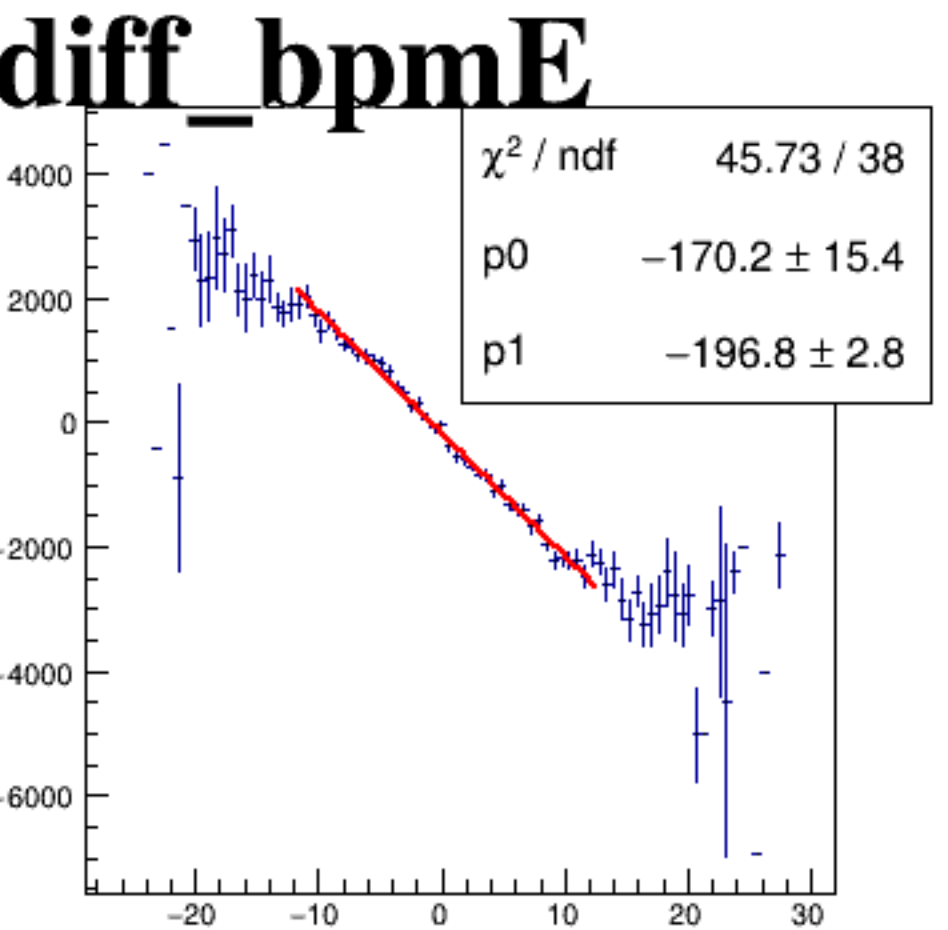
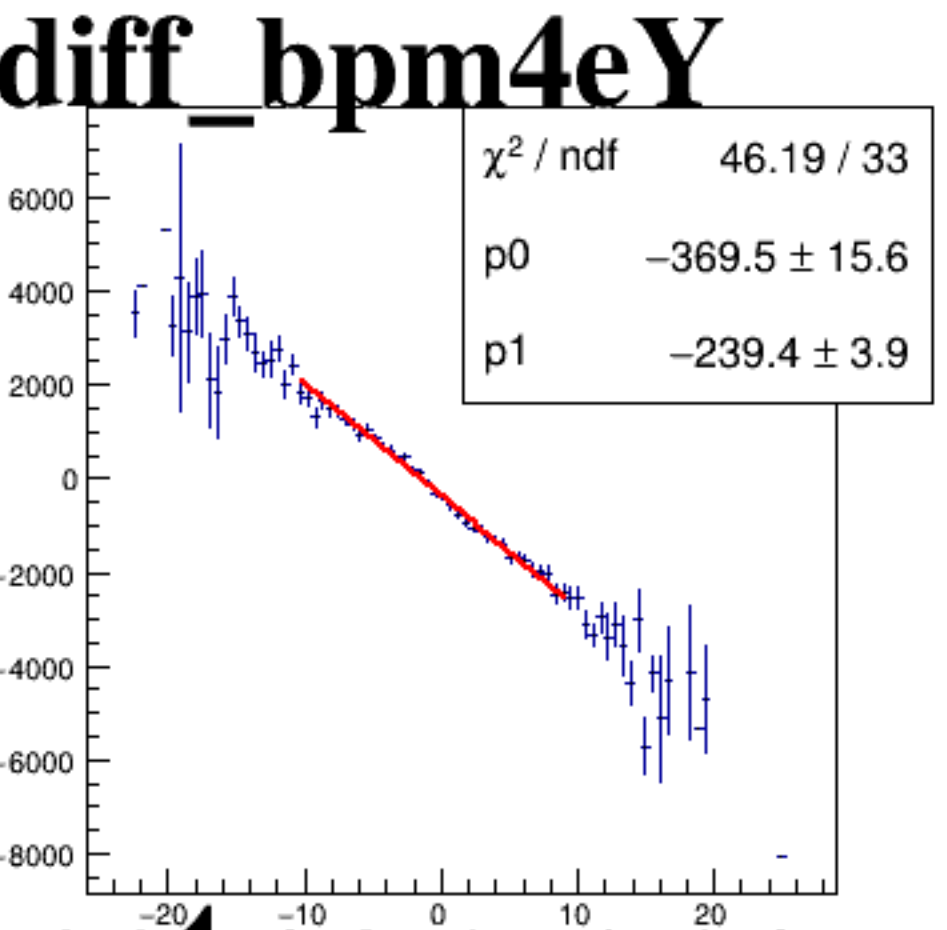
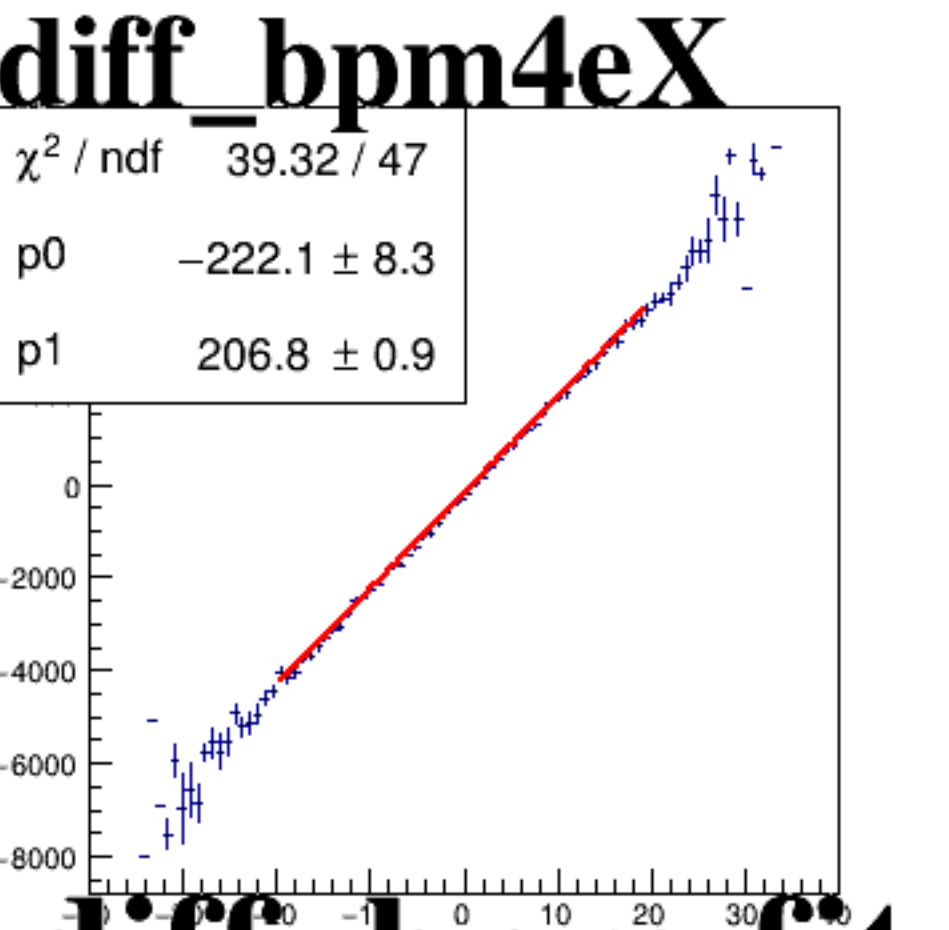
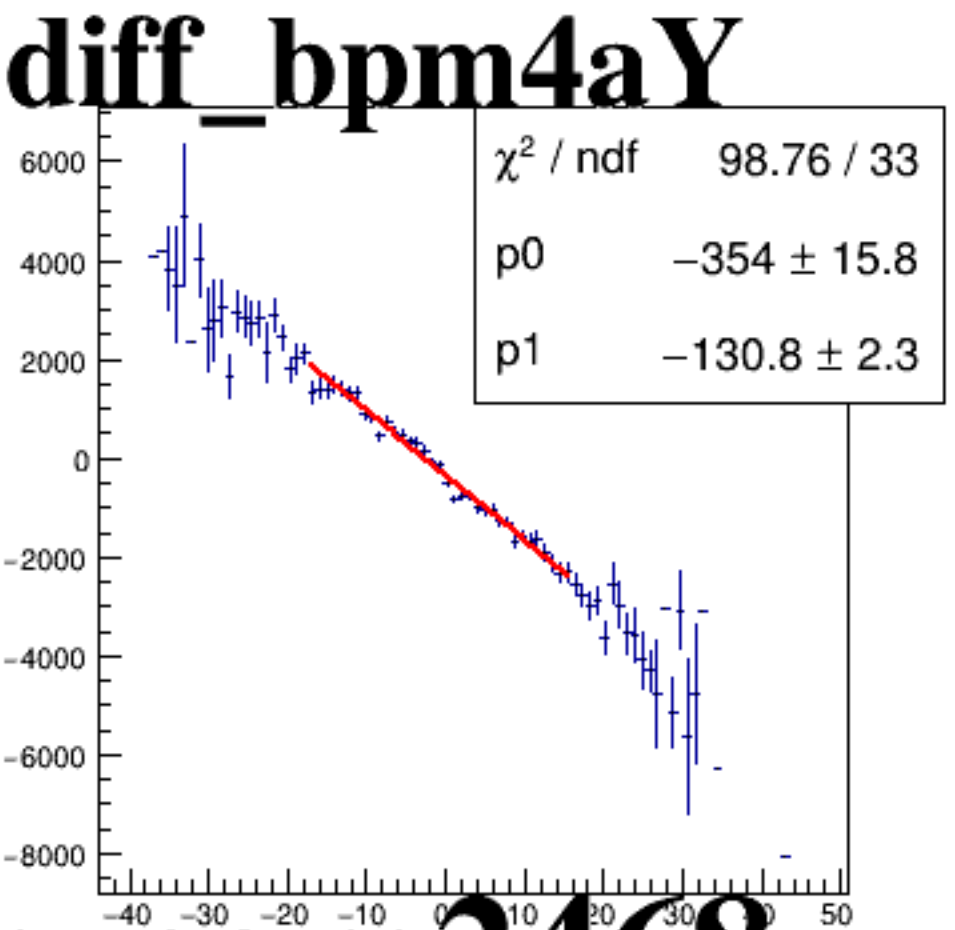
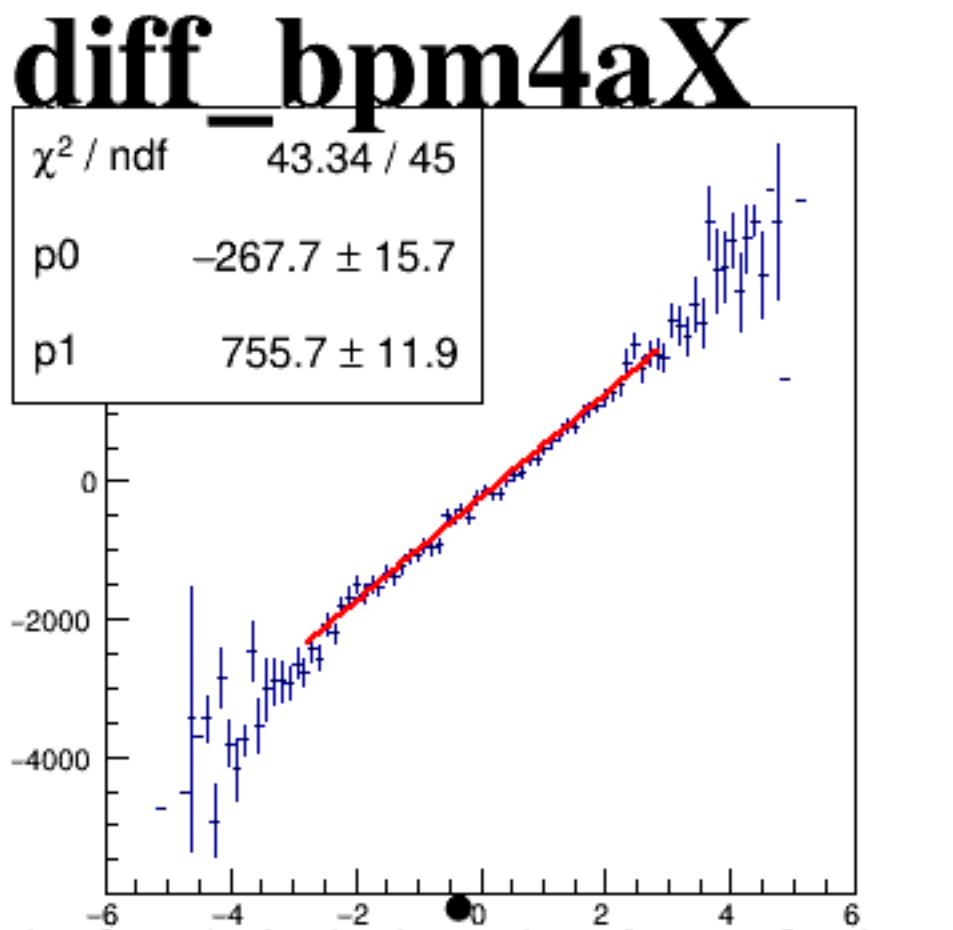
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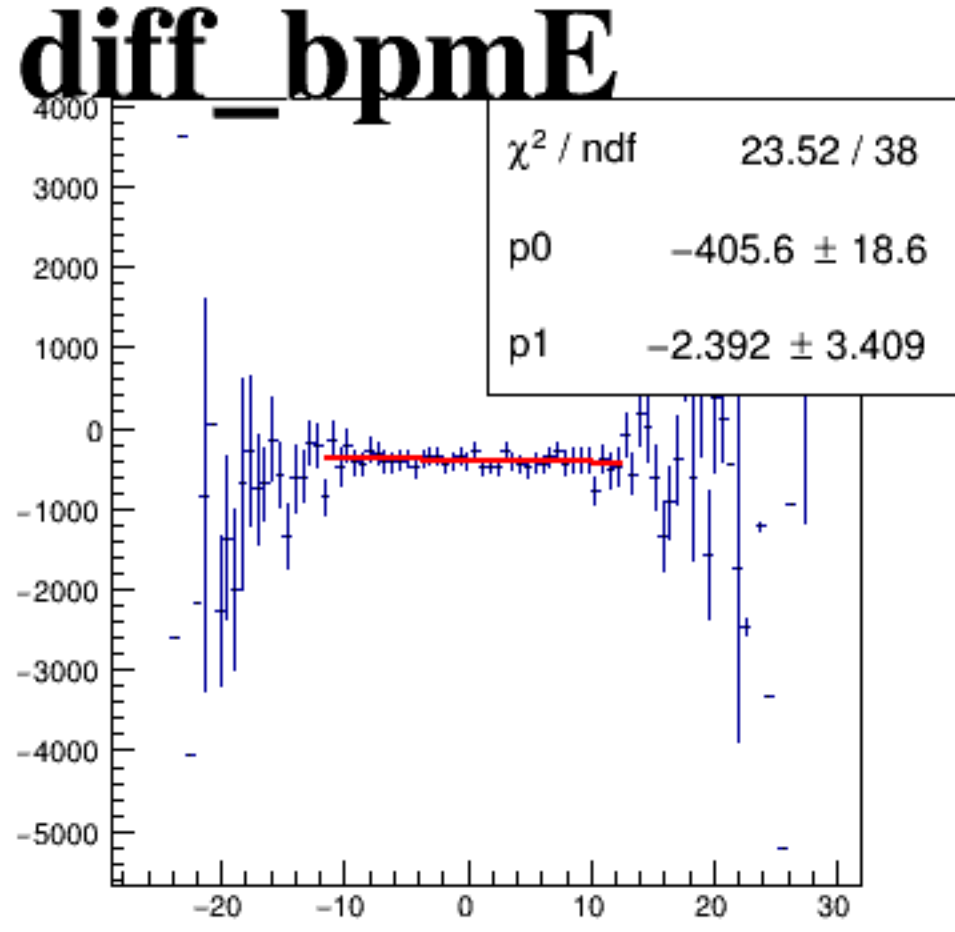
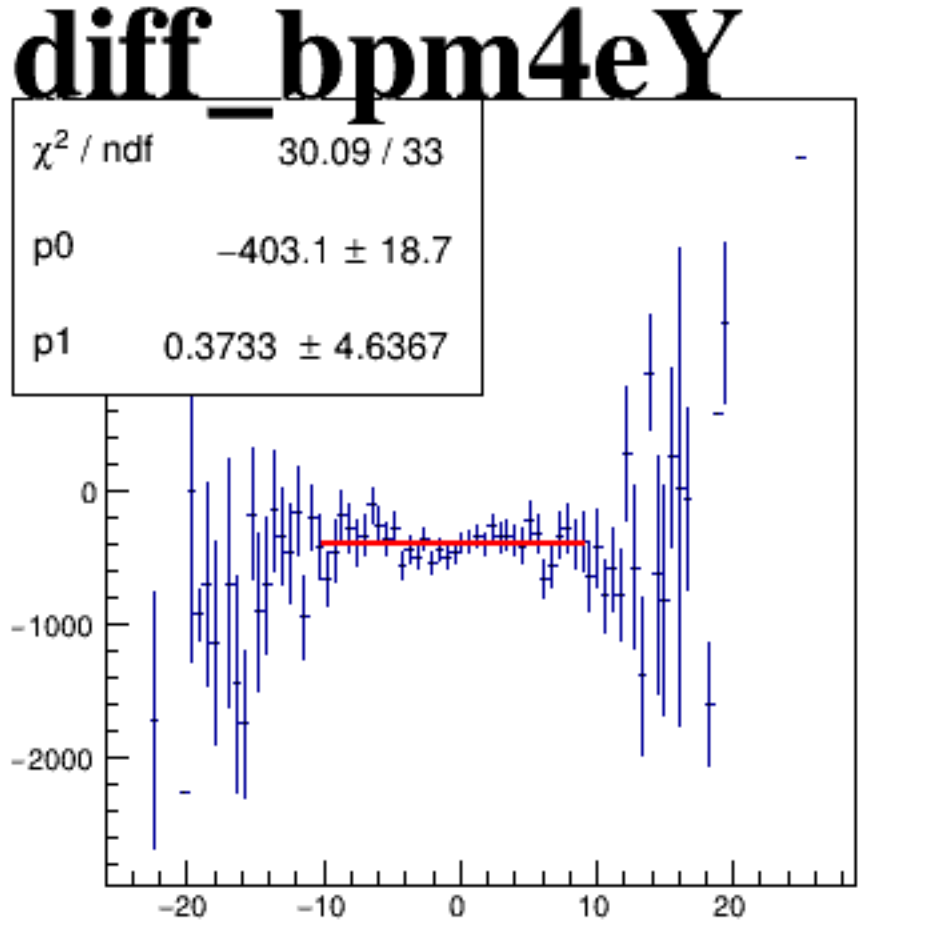
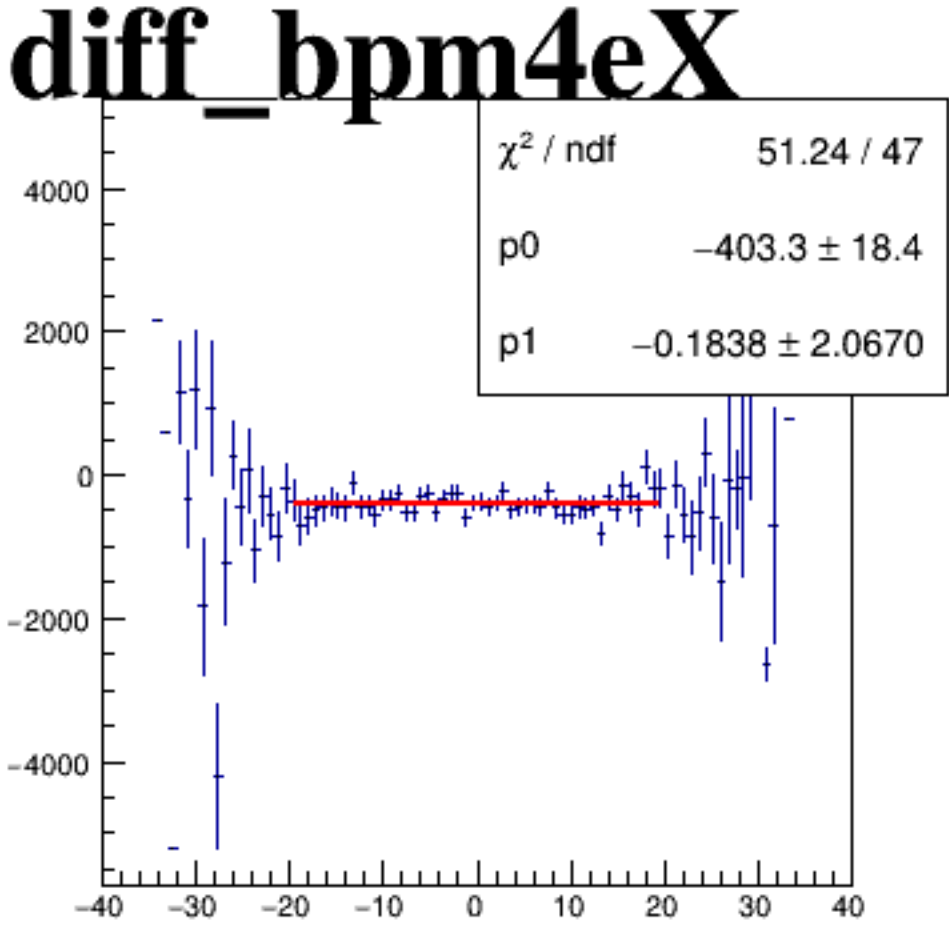
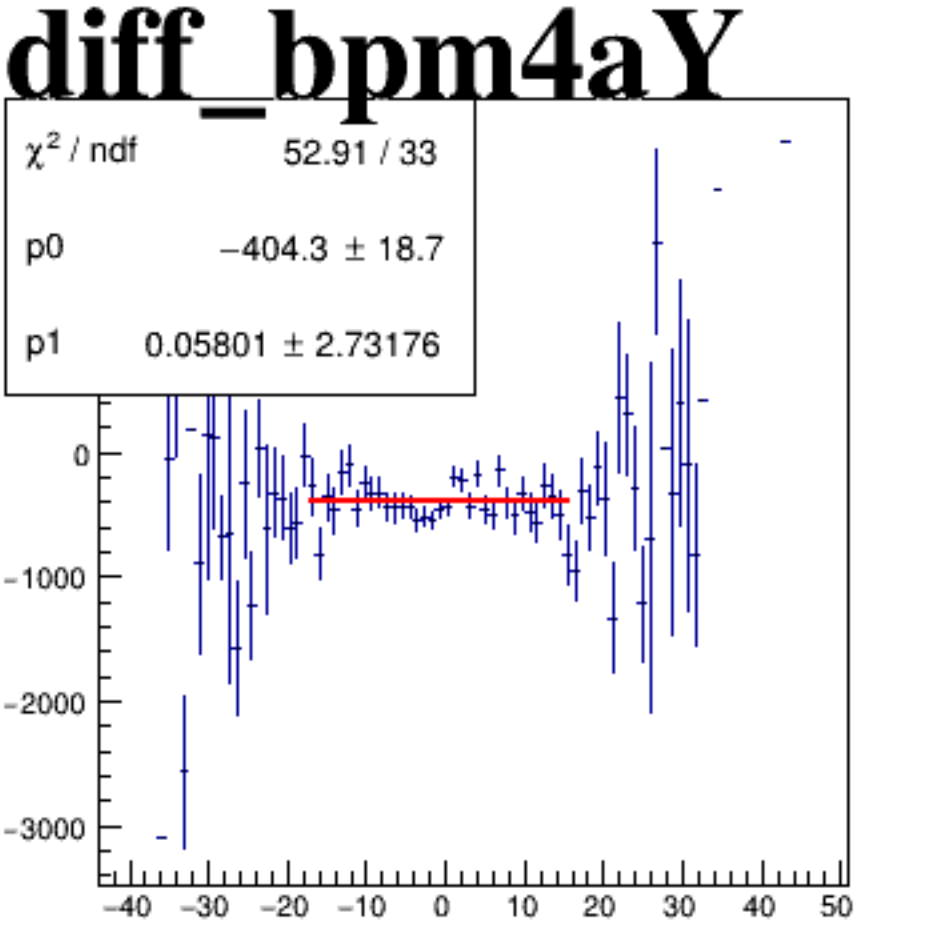
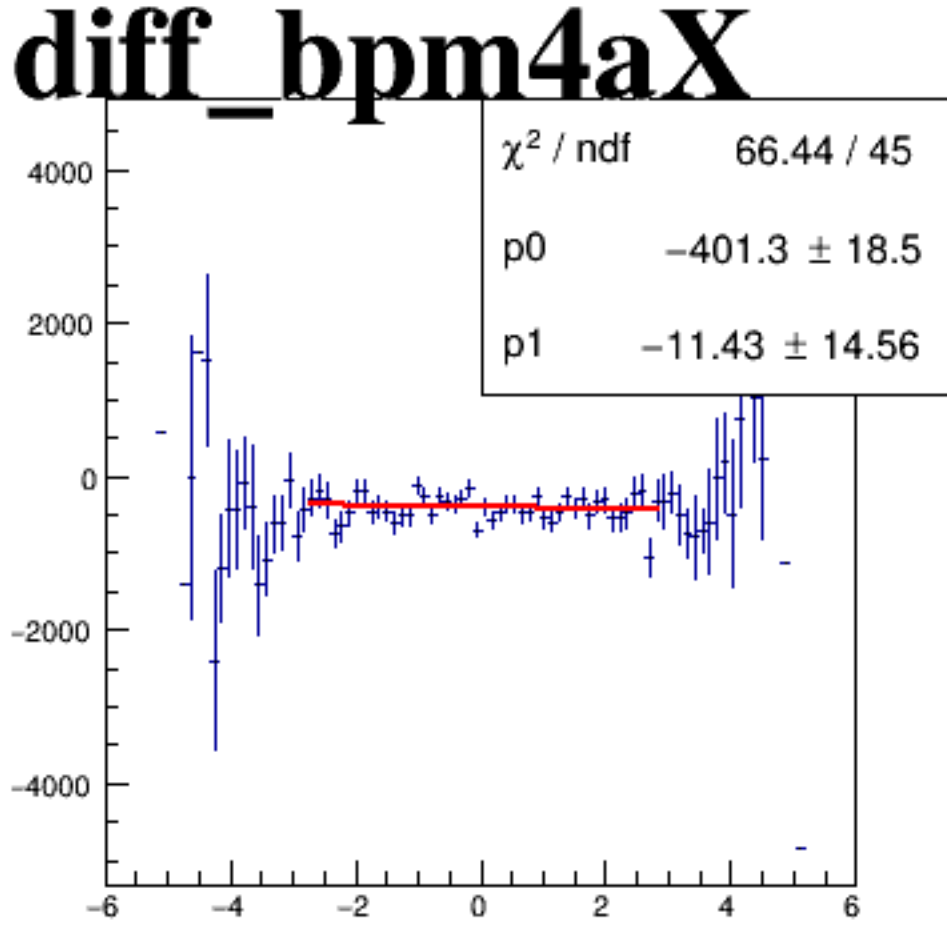


asym_sam8

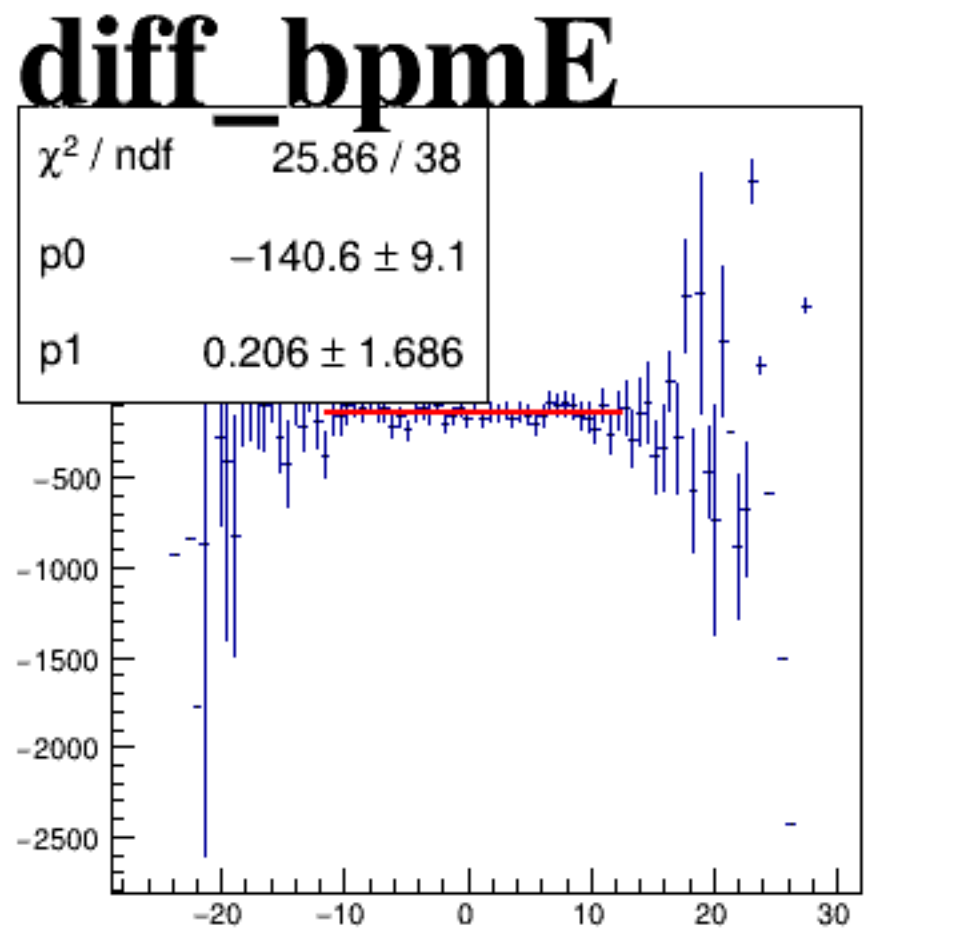
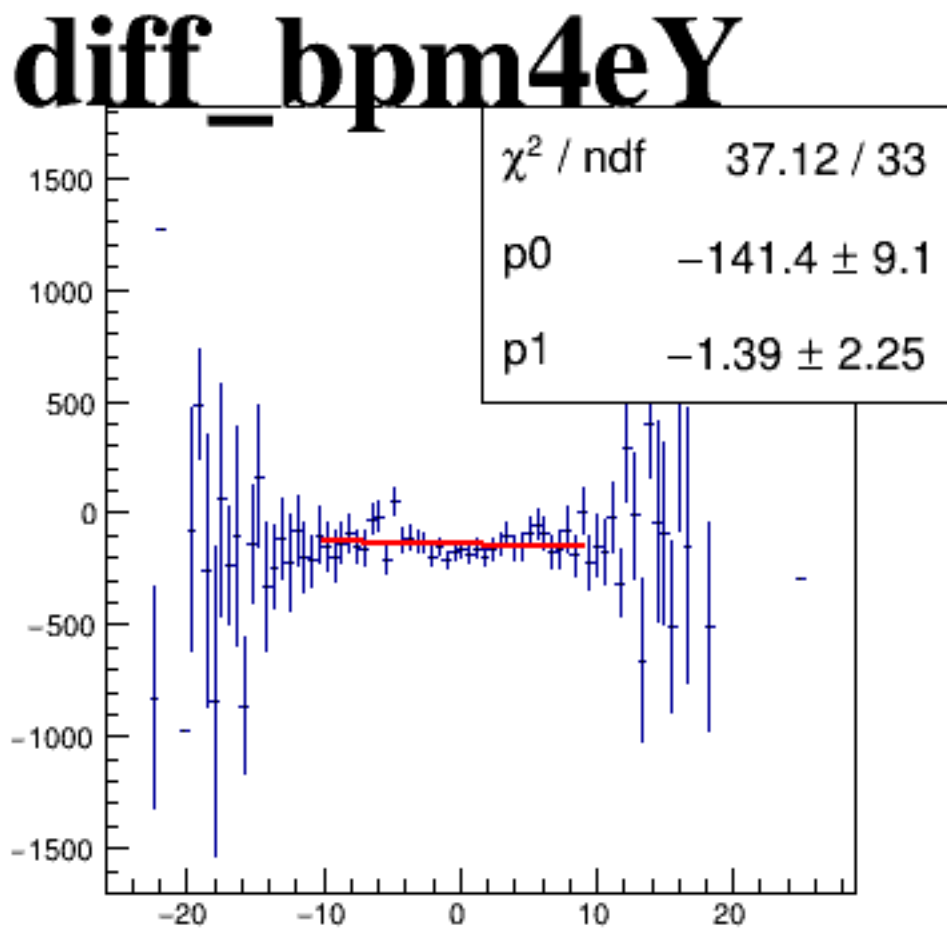
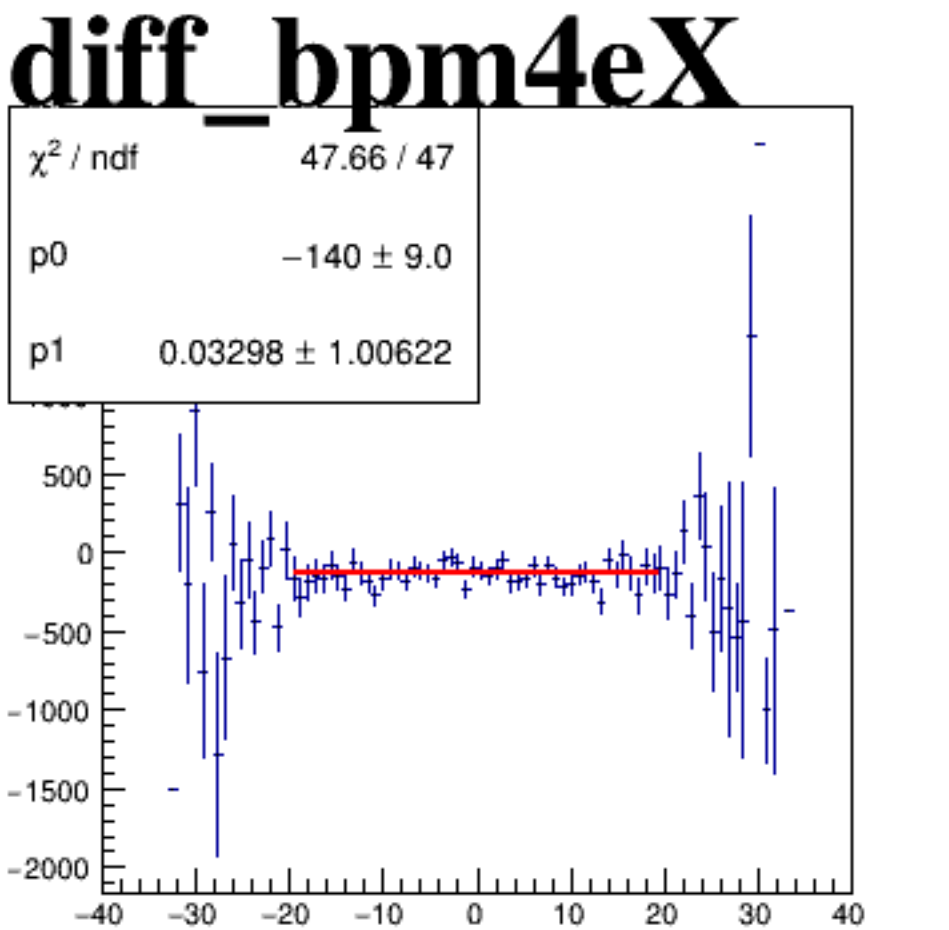
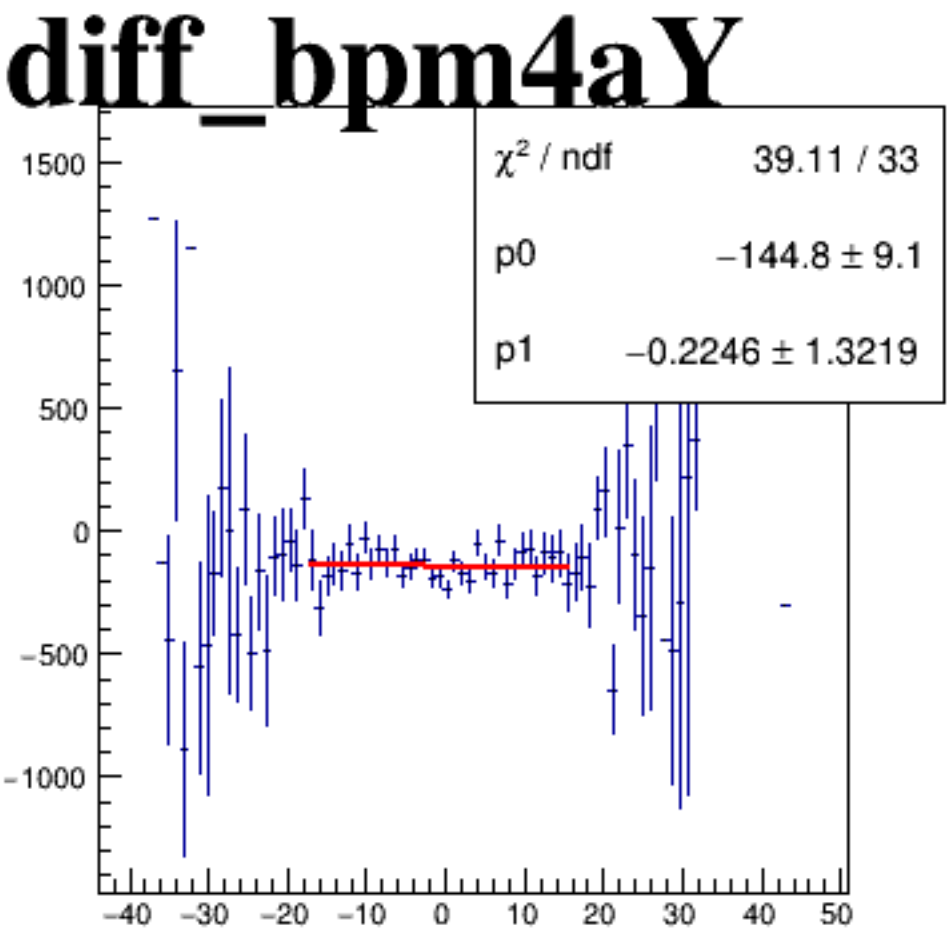
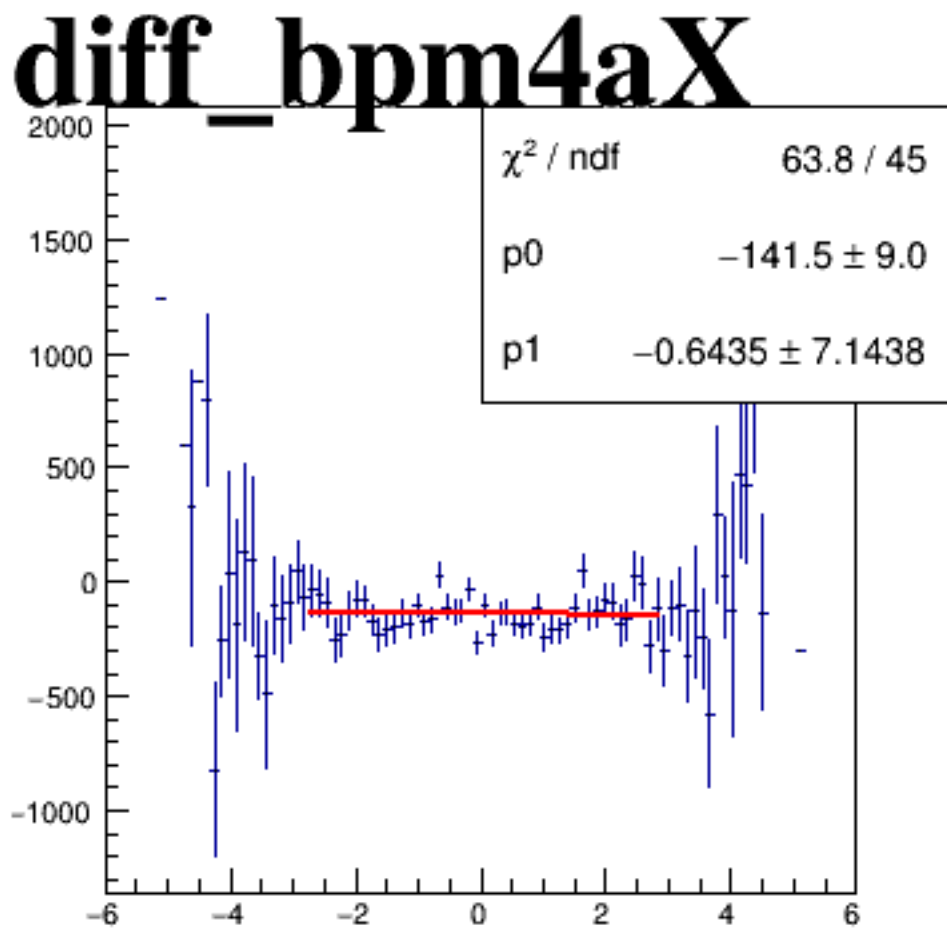


run3912_000_regression_asym_sam2468 vs diff_bpm-fit_postpan.png

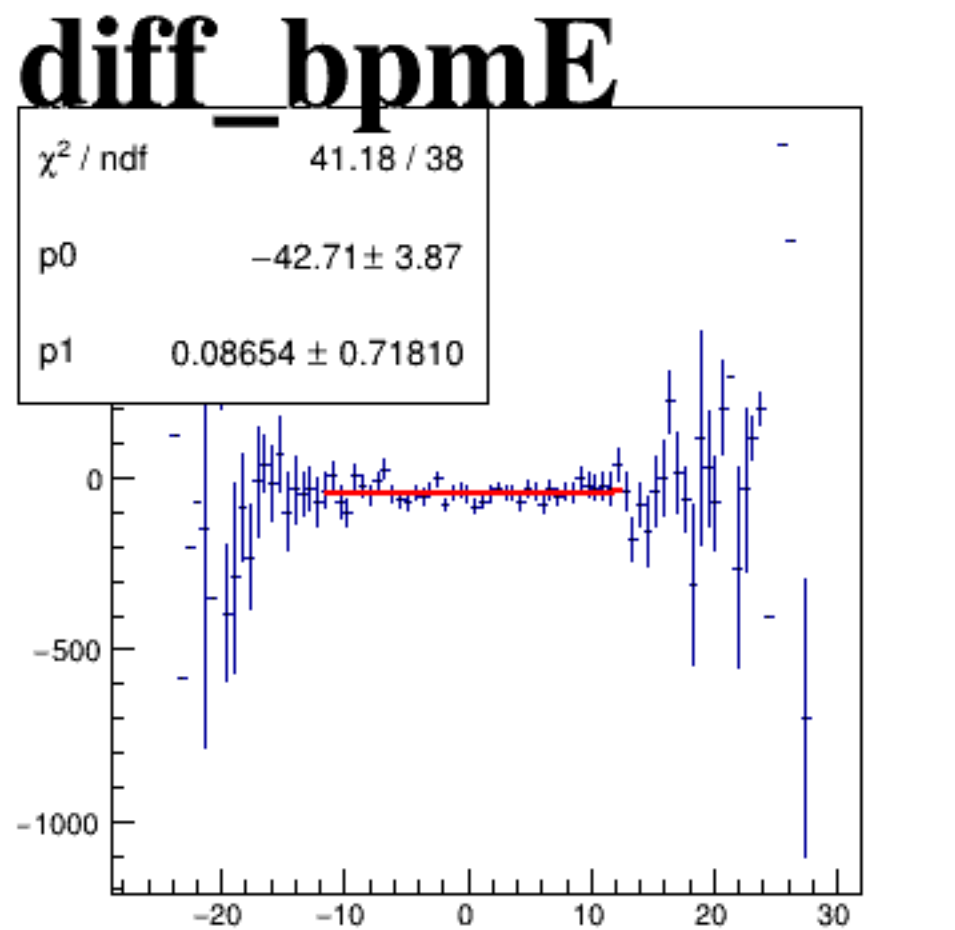
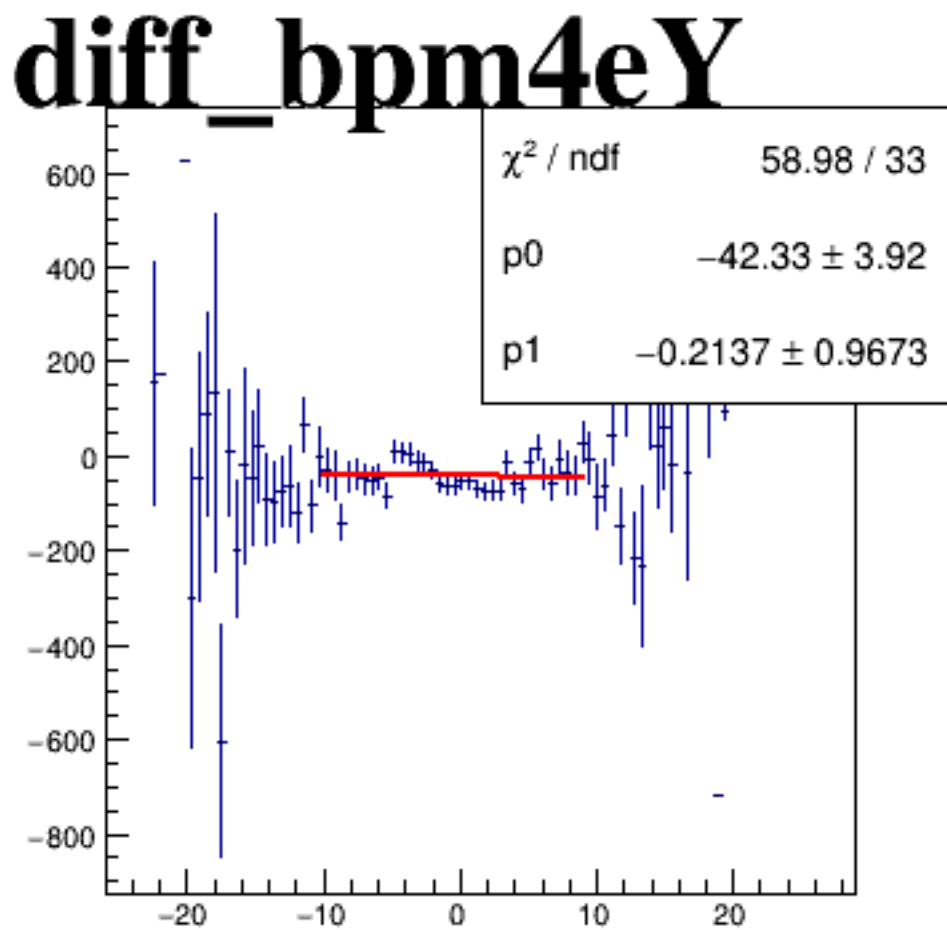
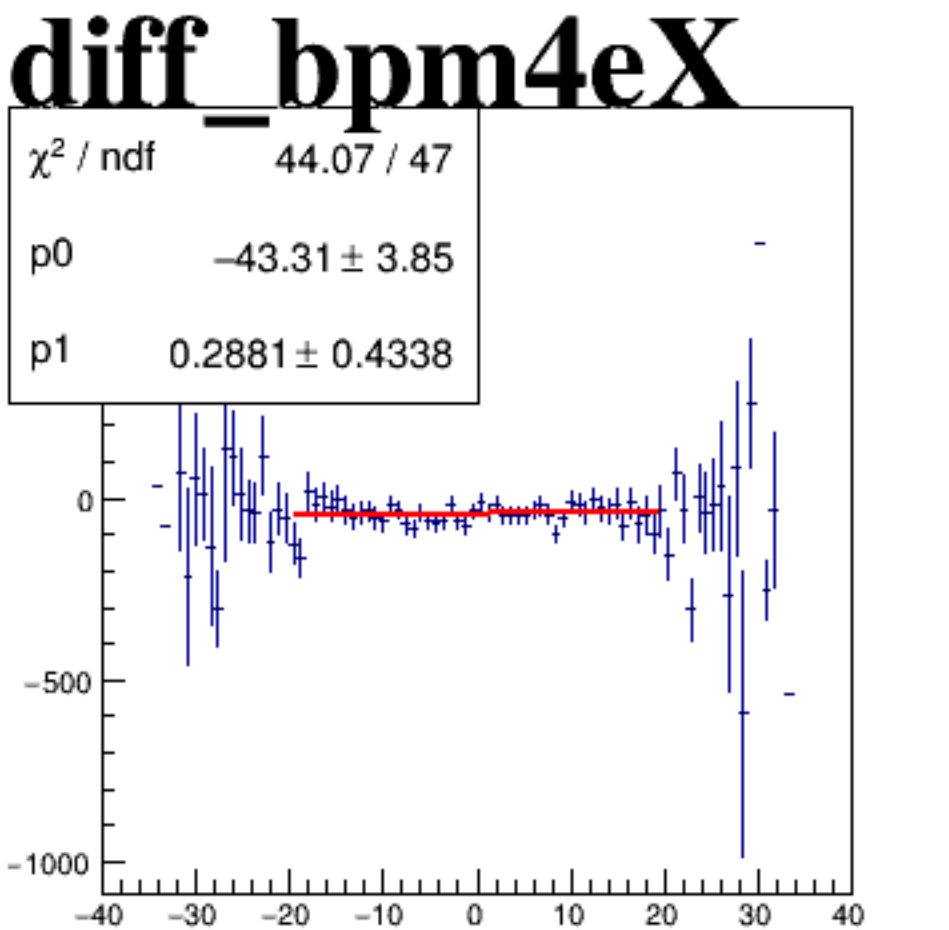
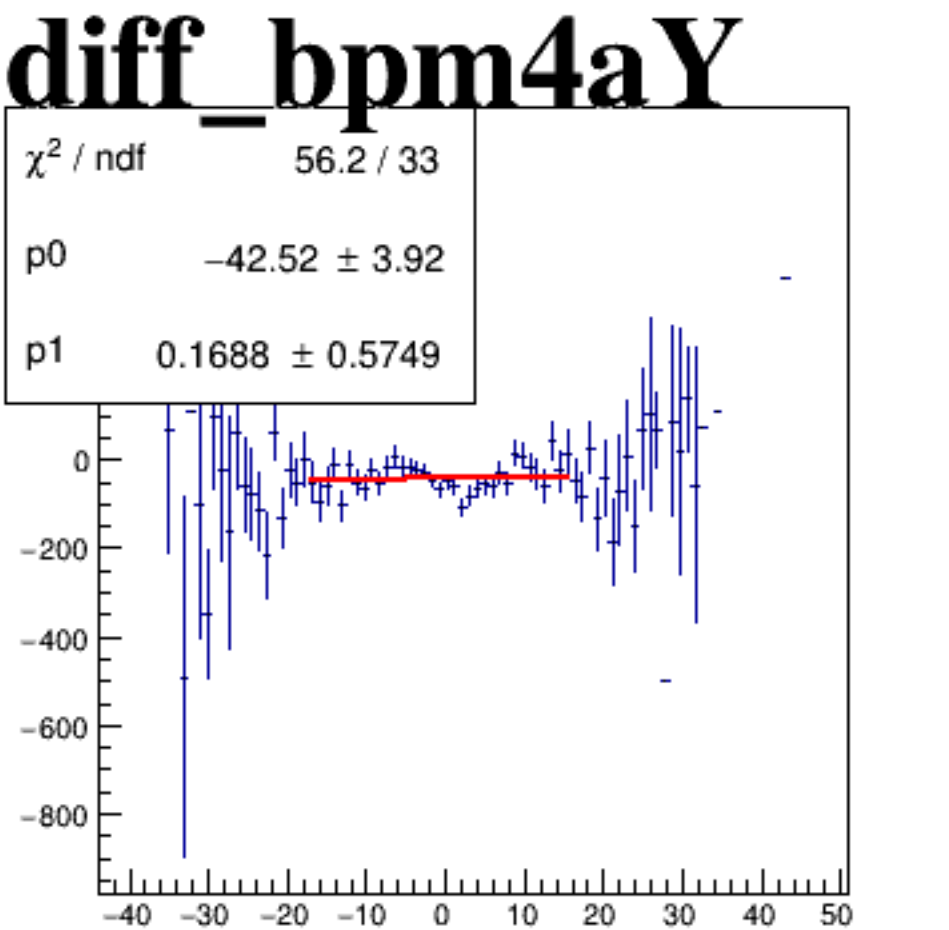
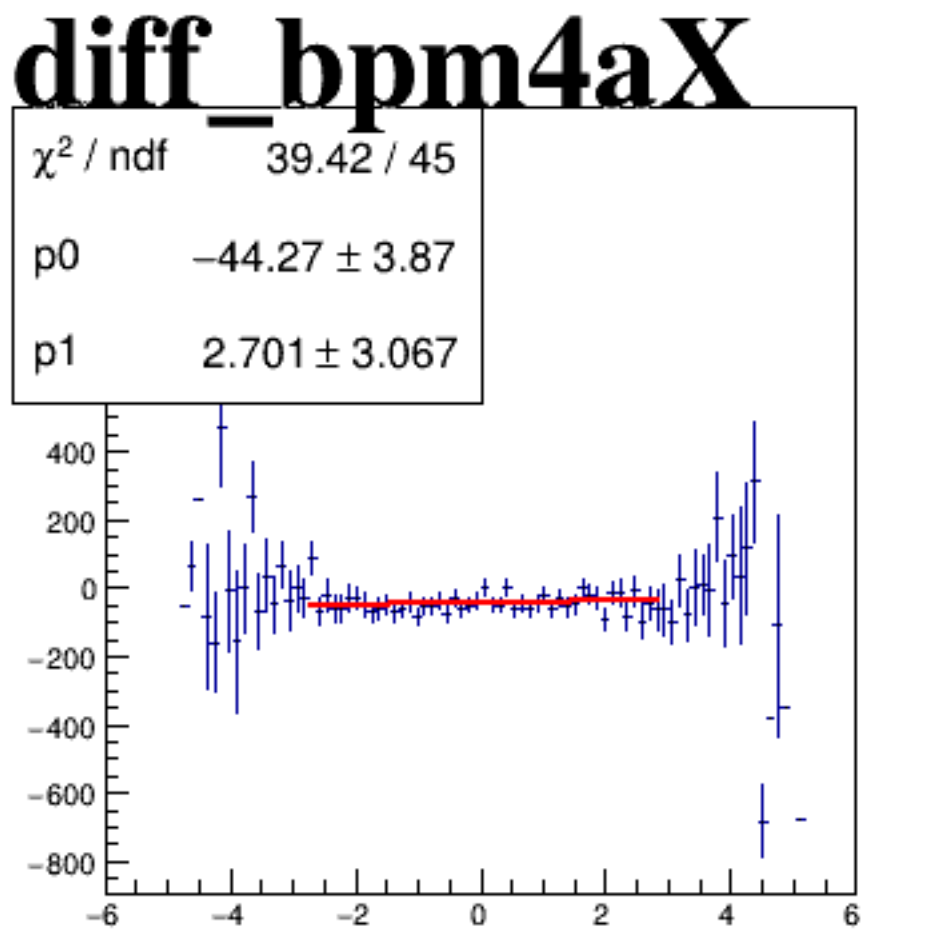
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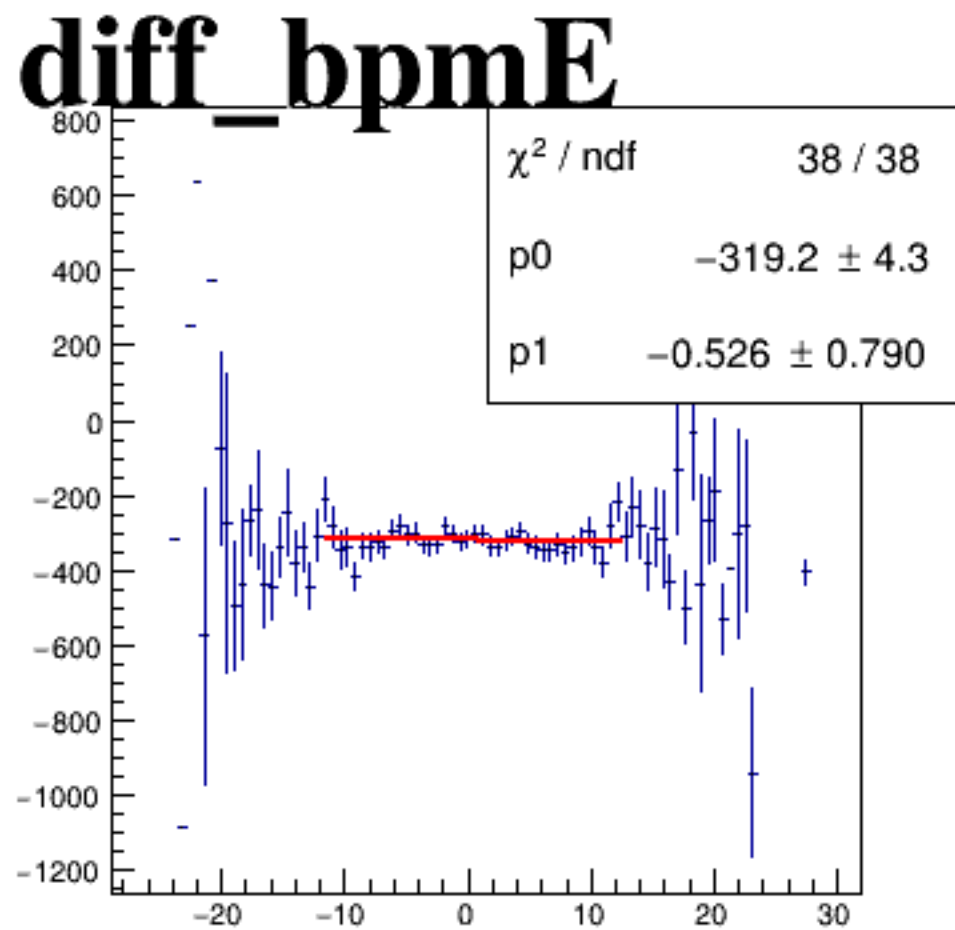
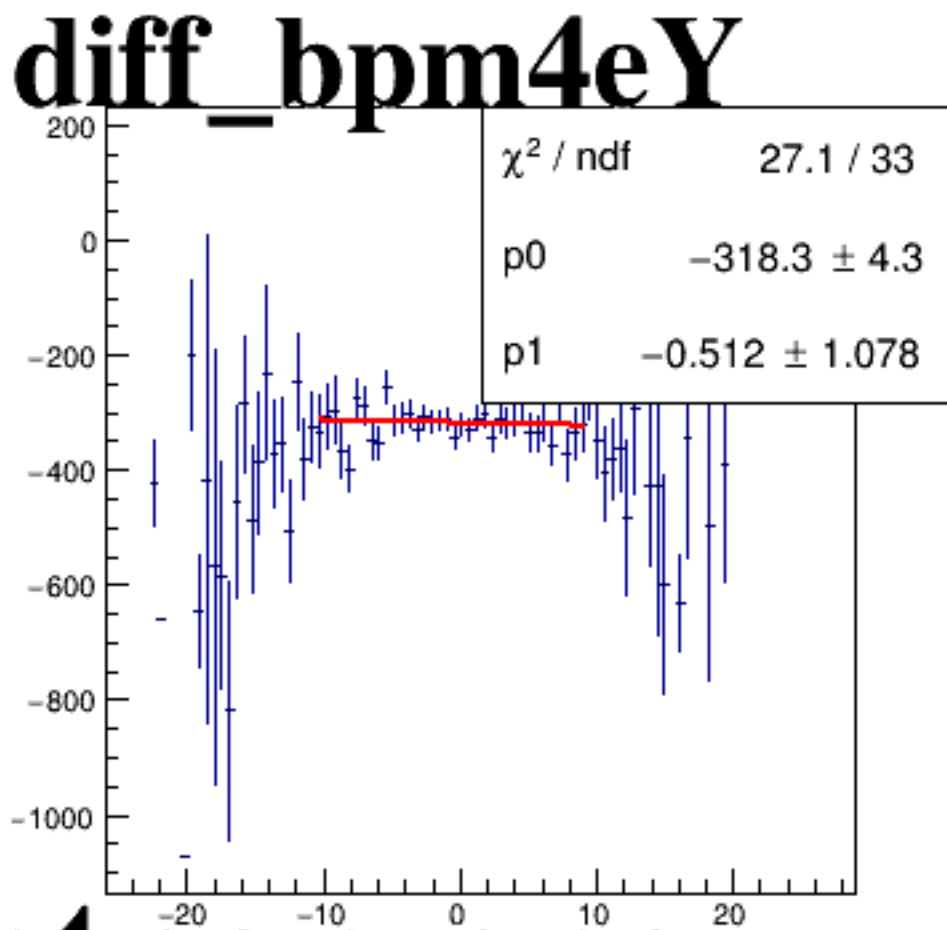
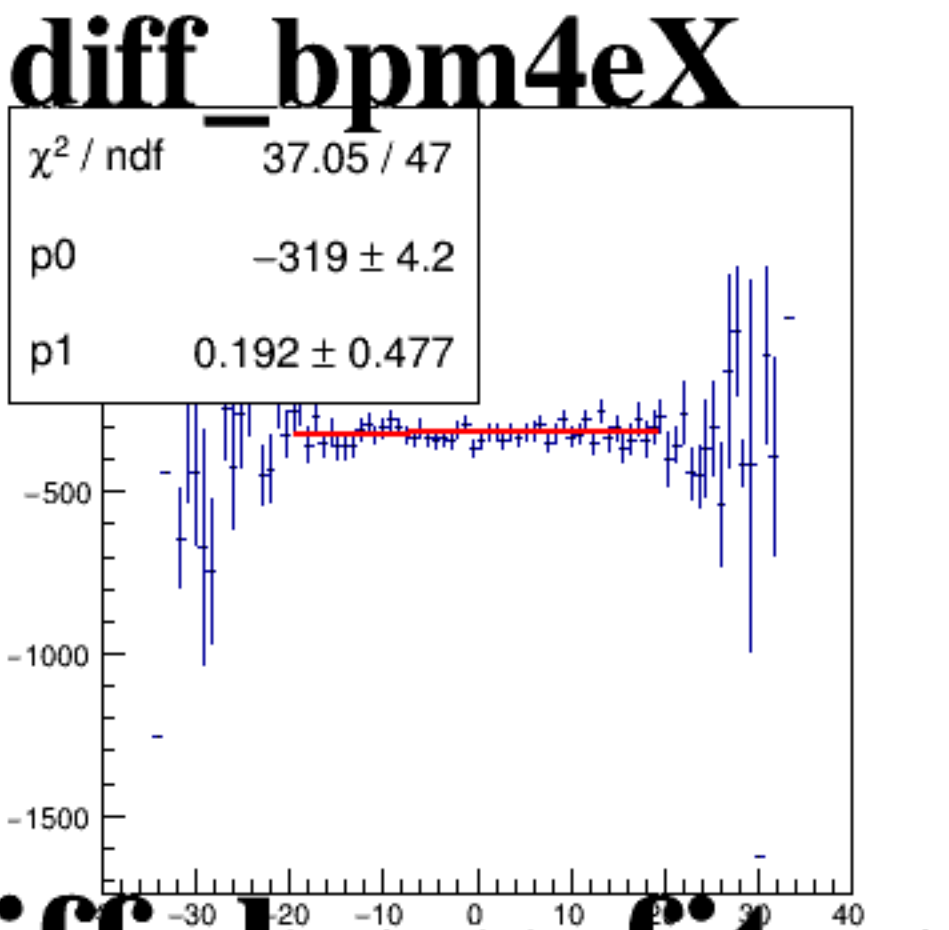
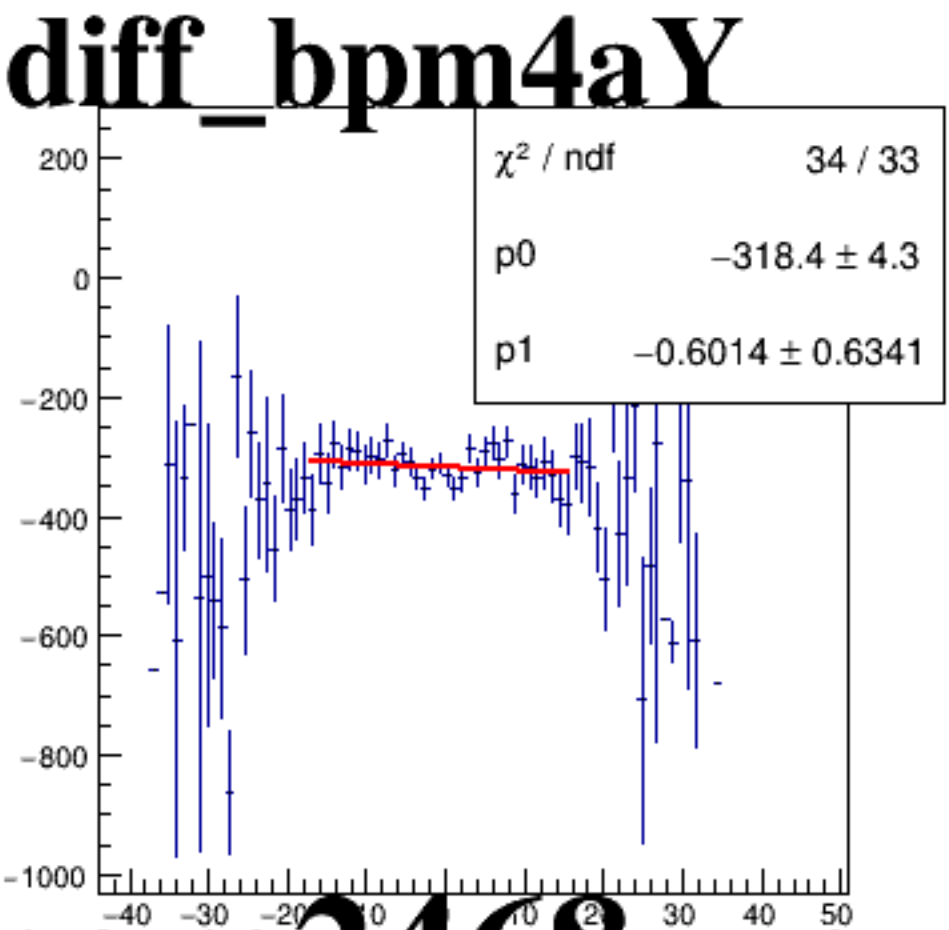
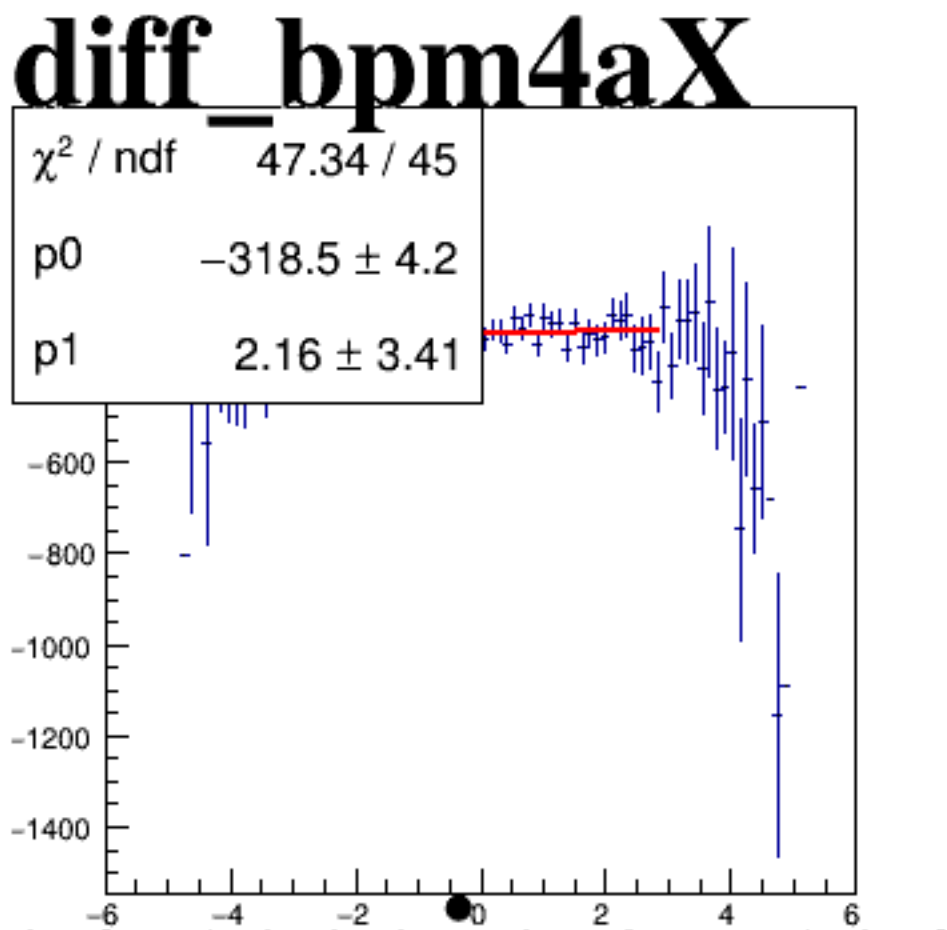
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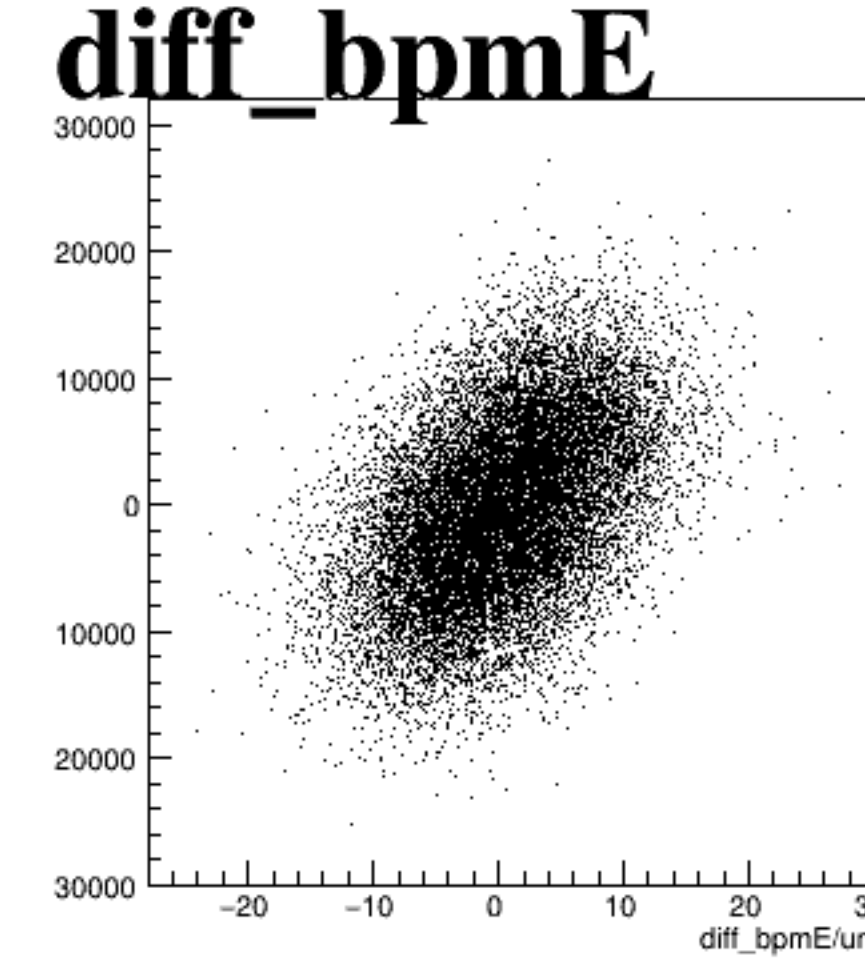
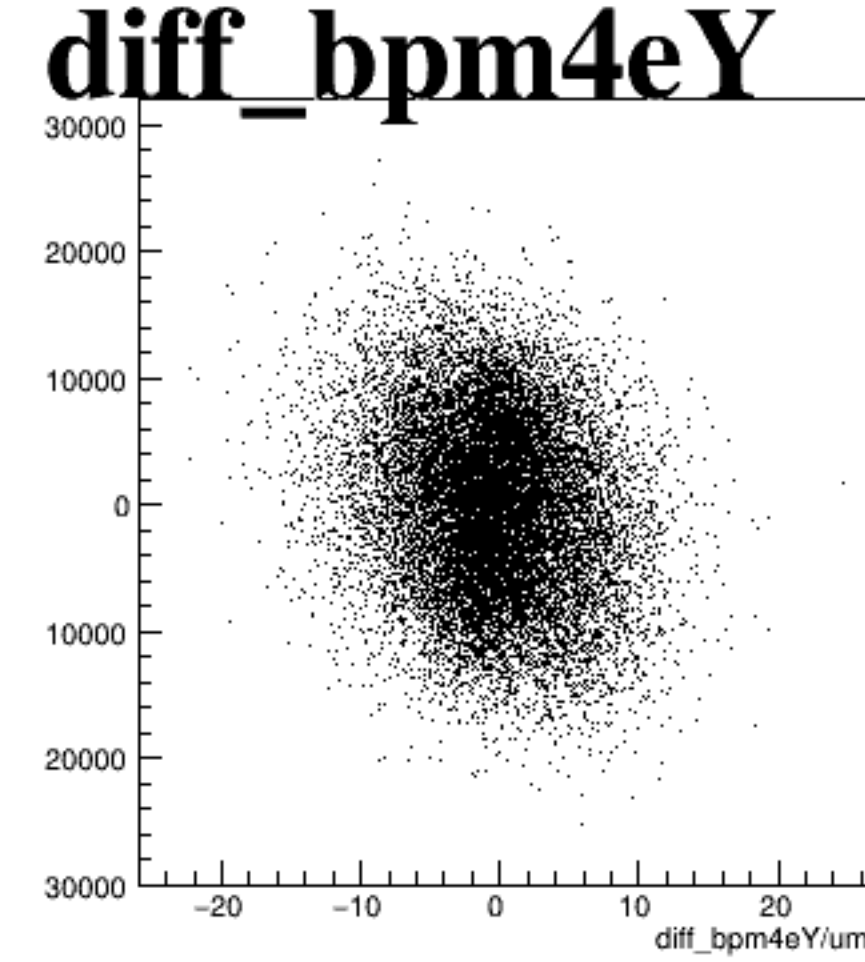
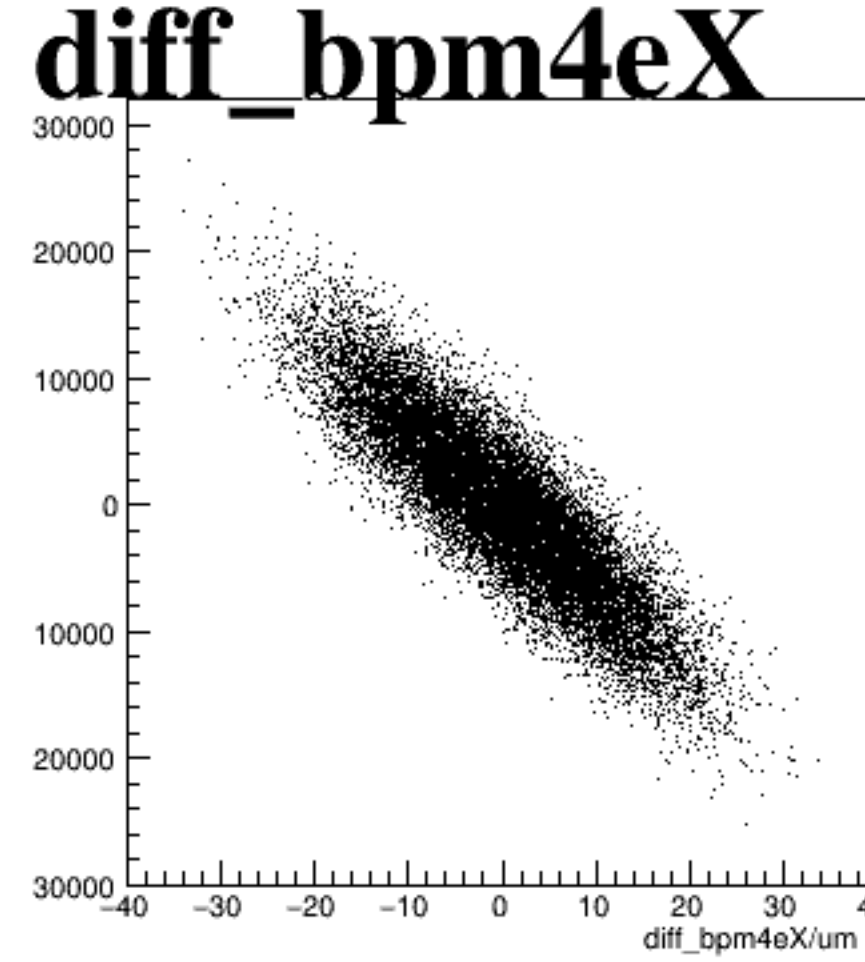
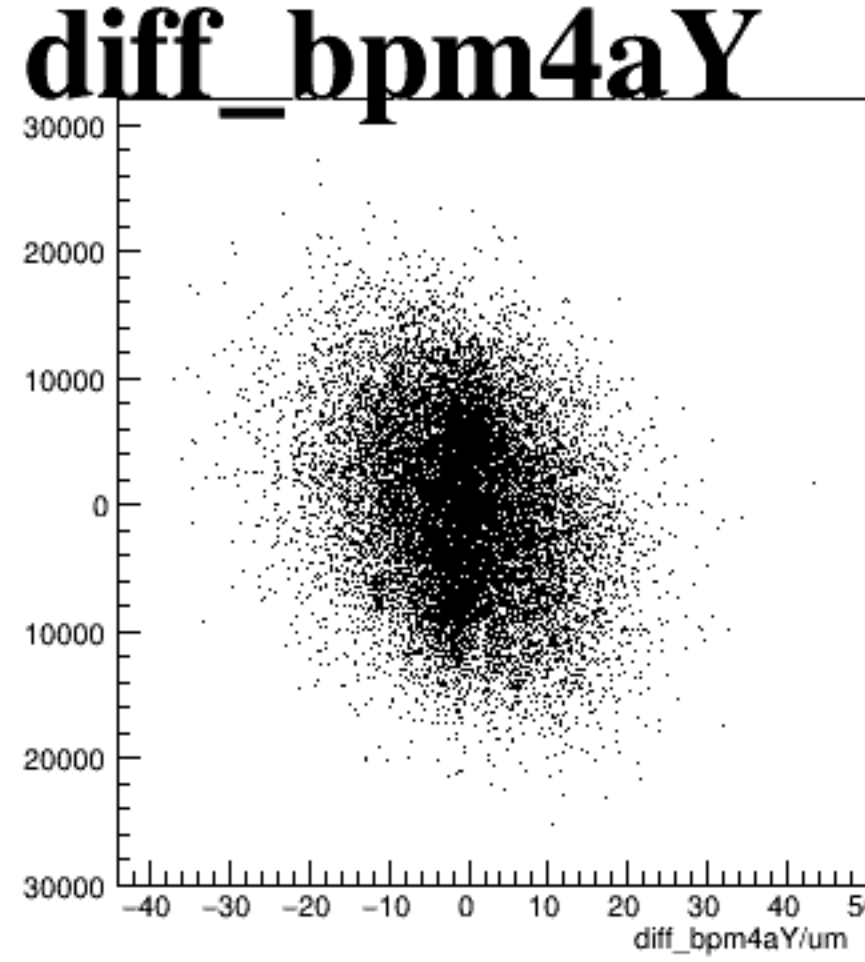
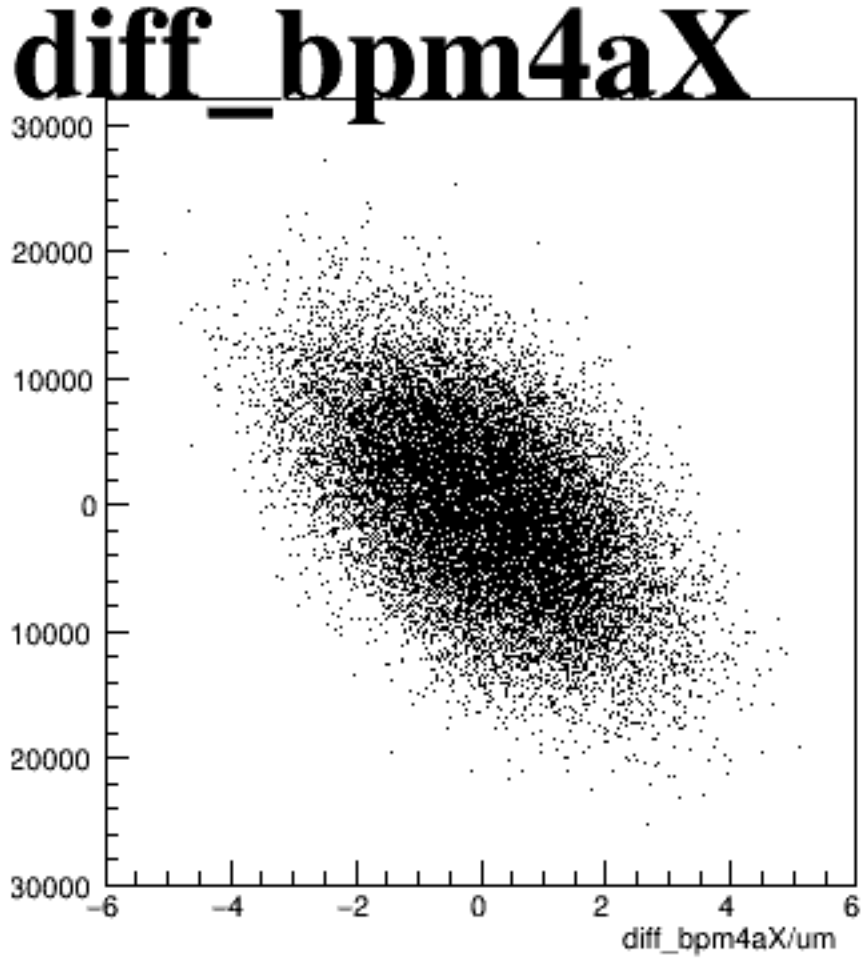
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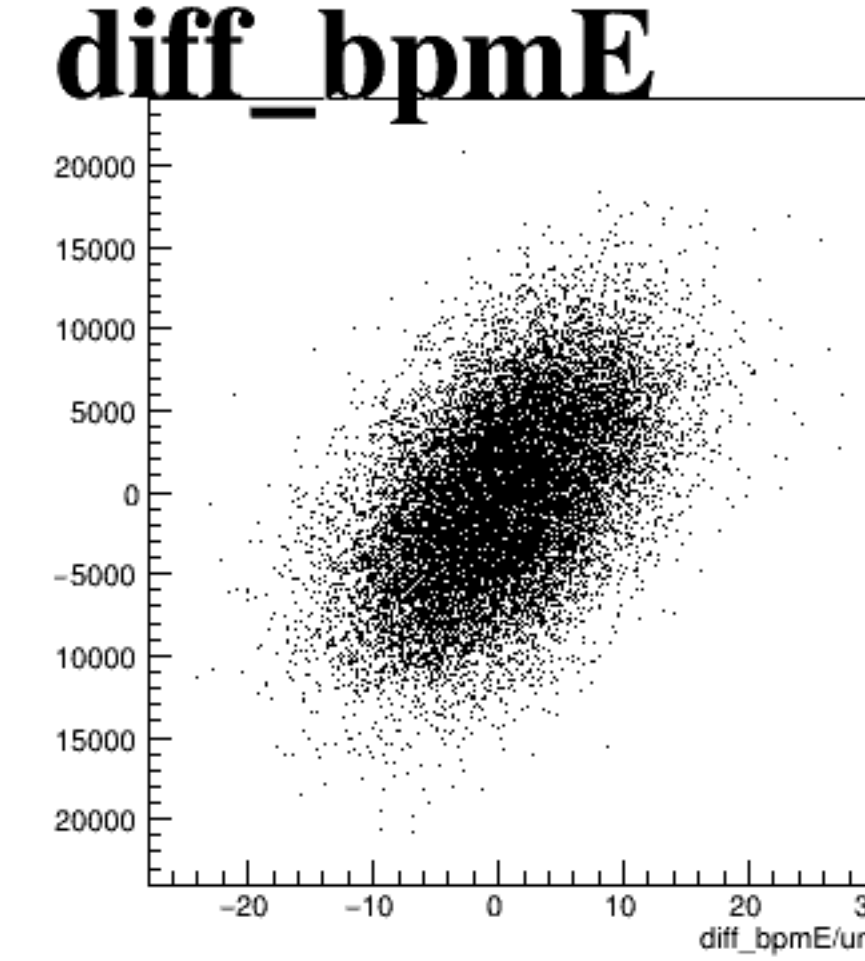
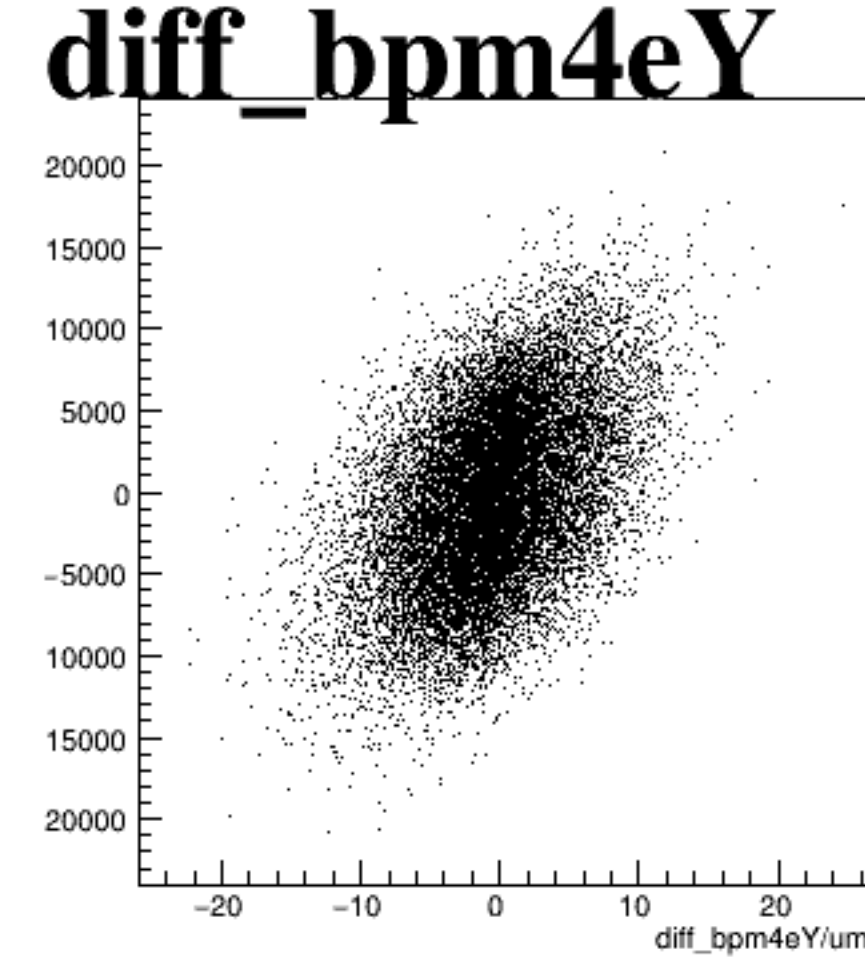
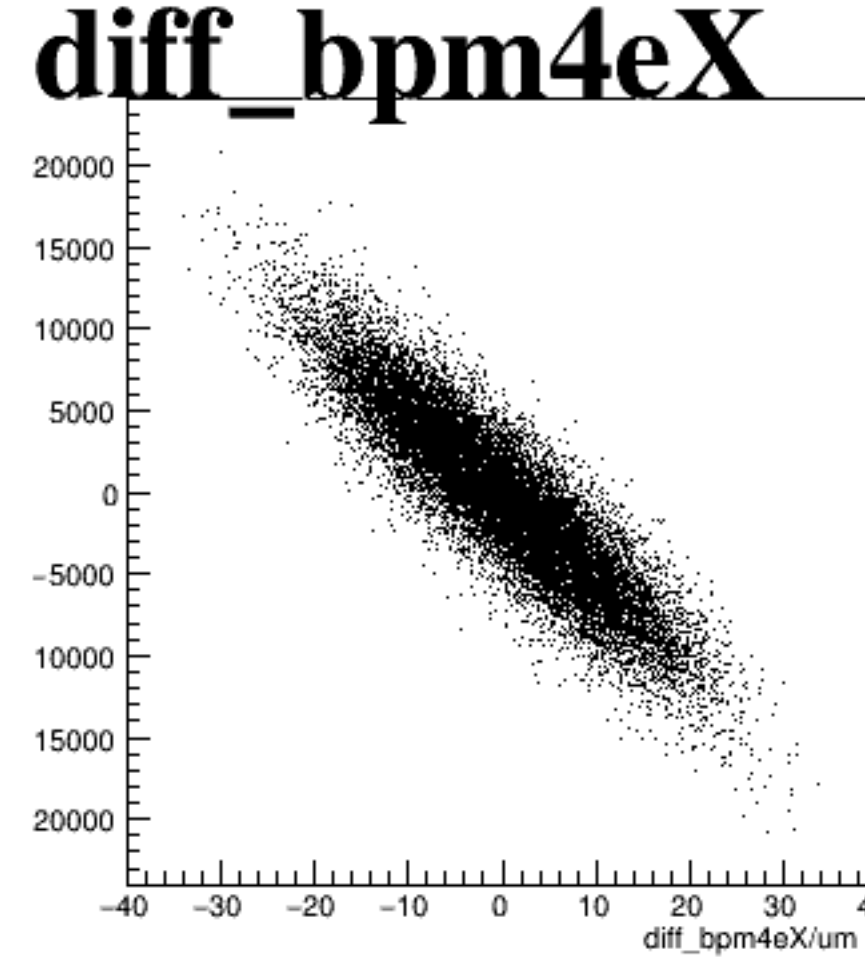
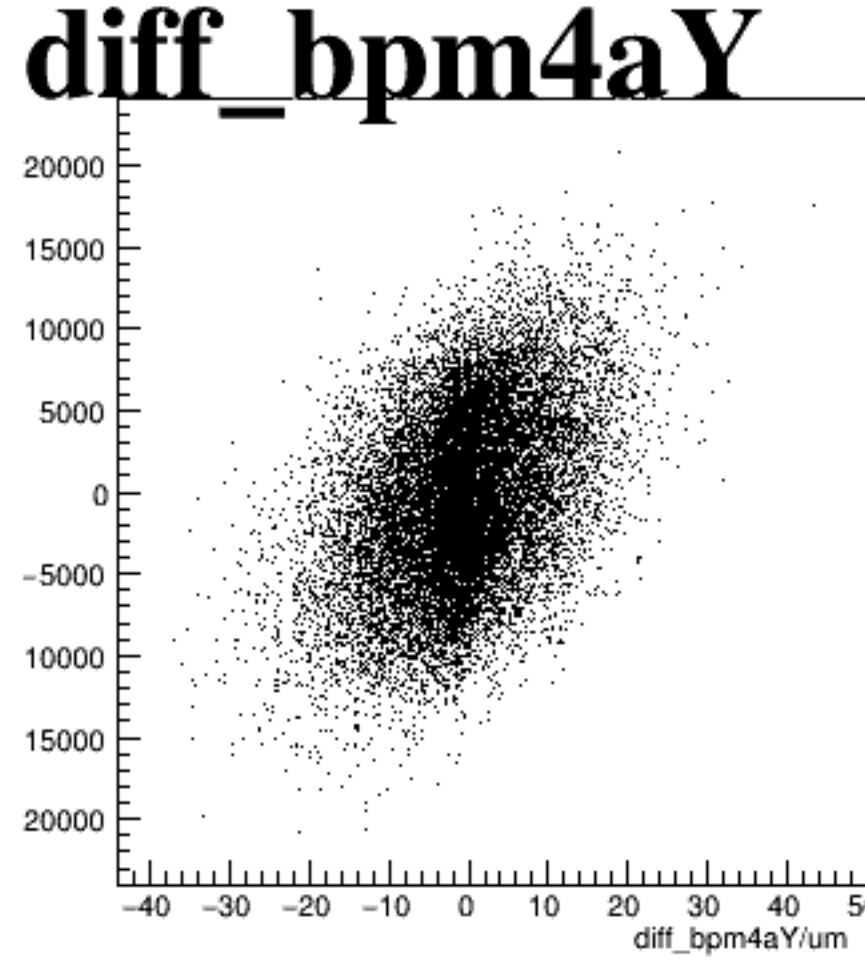
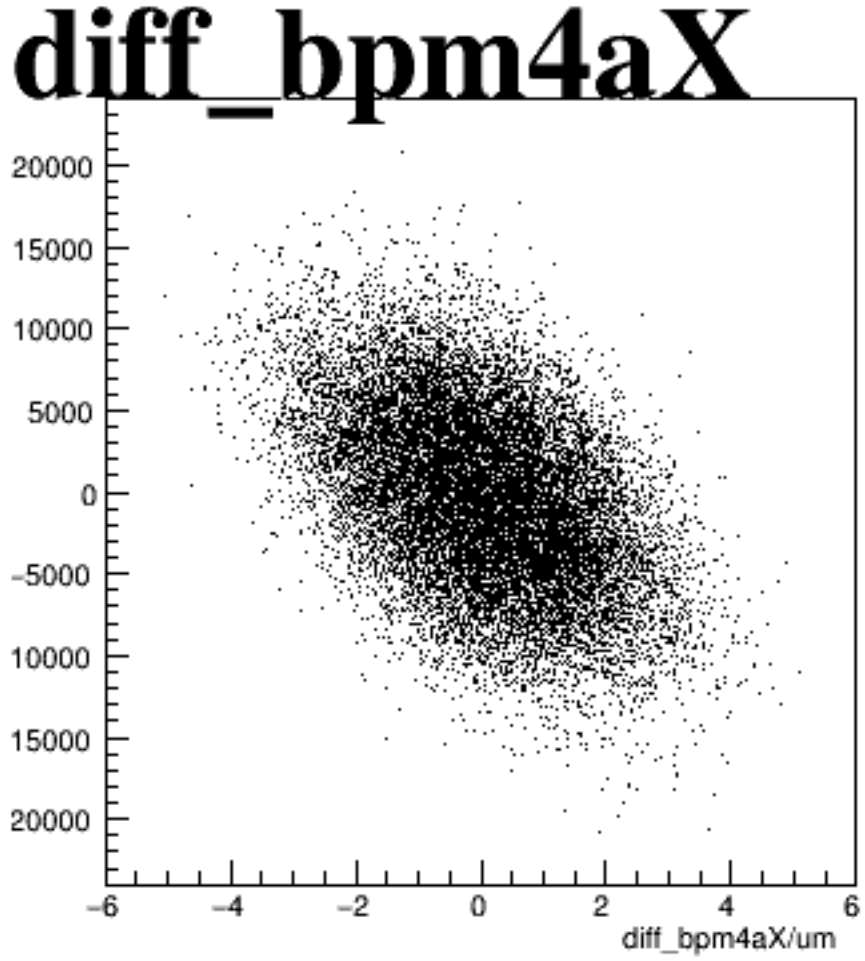
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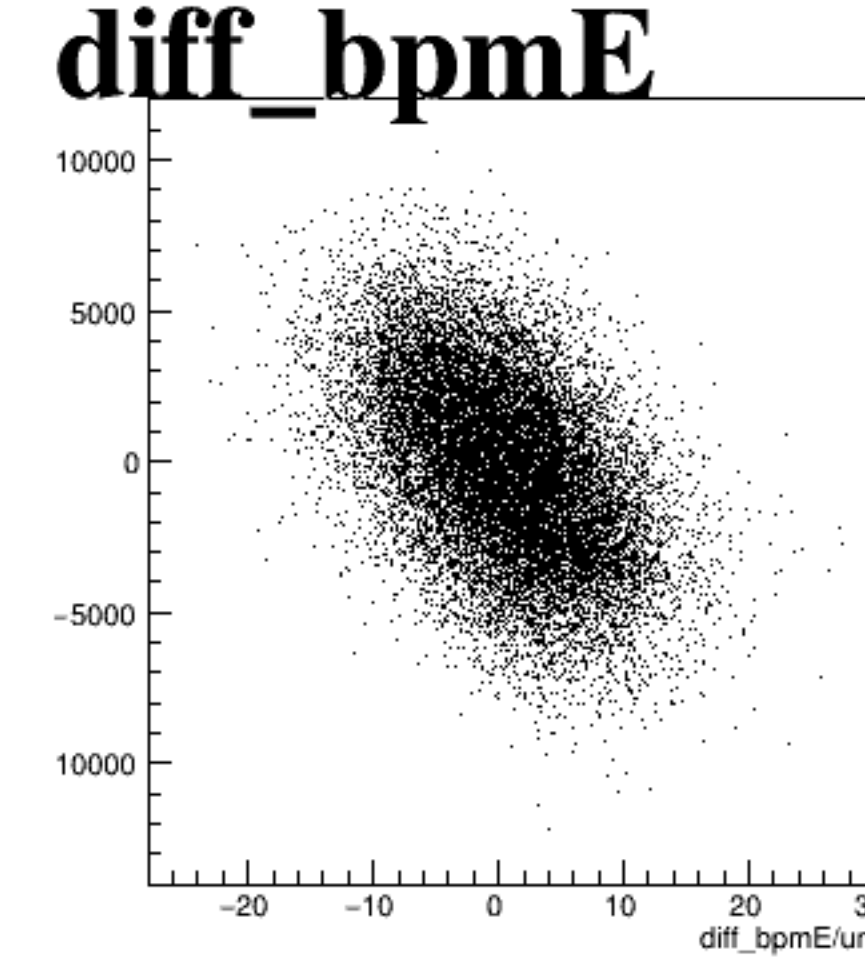
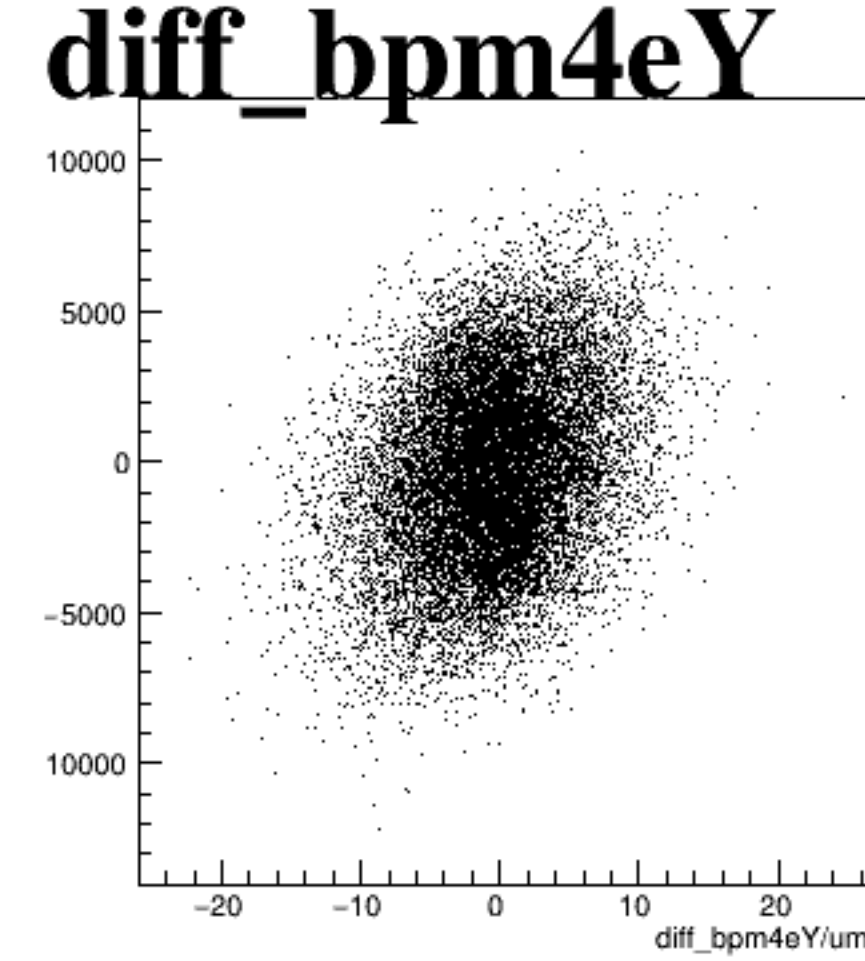
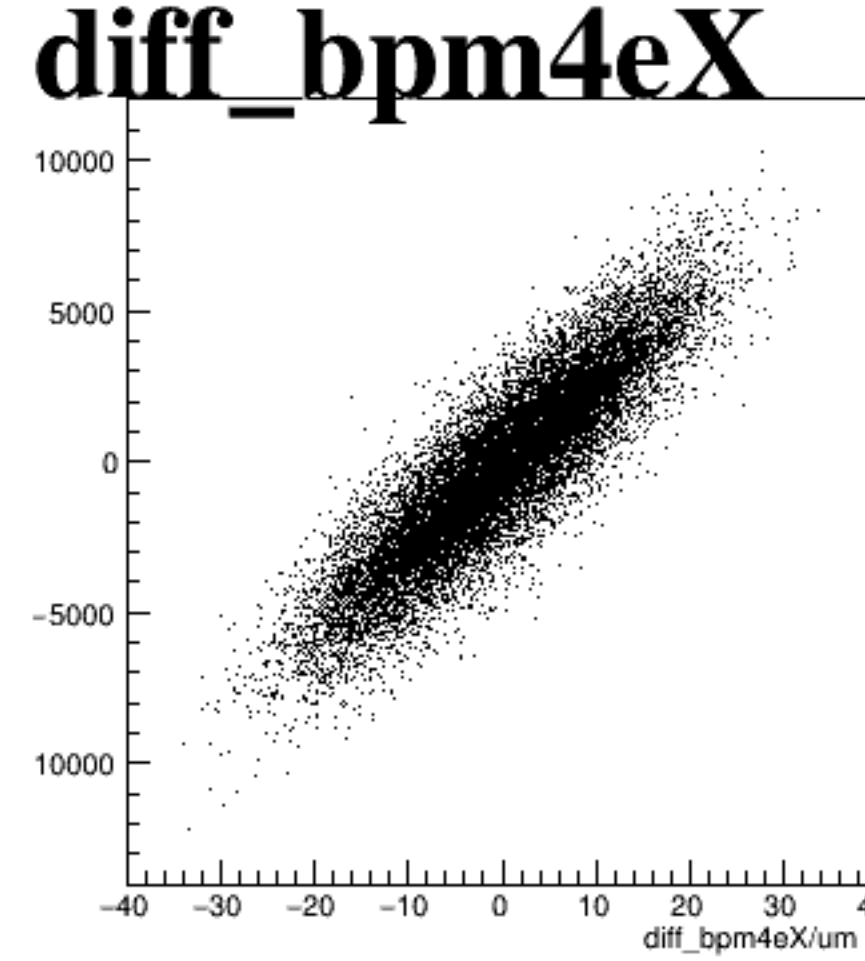
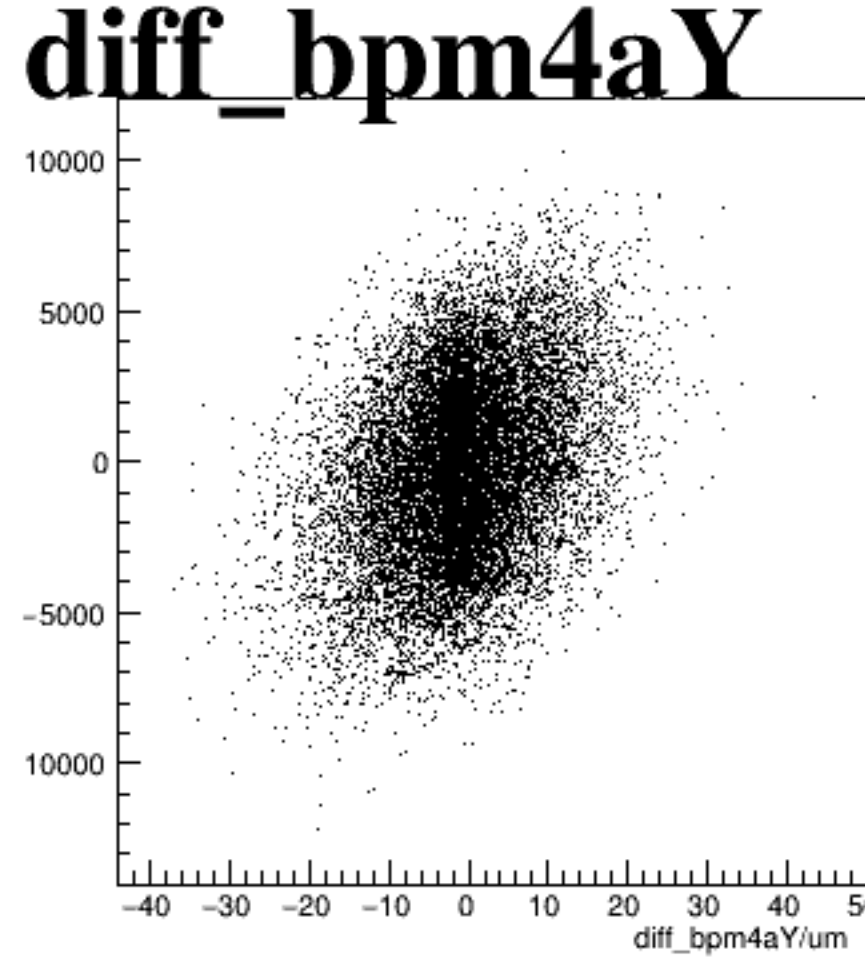
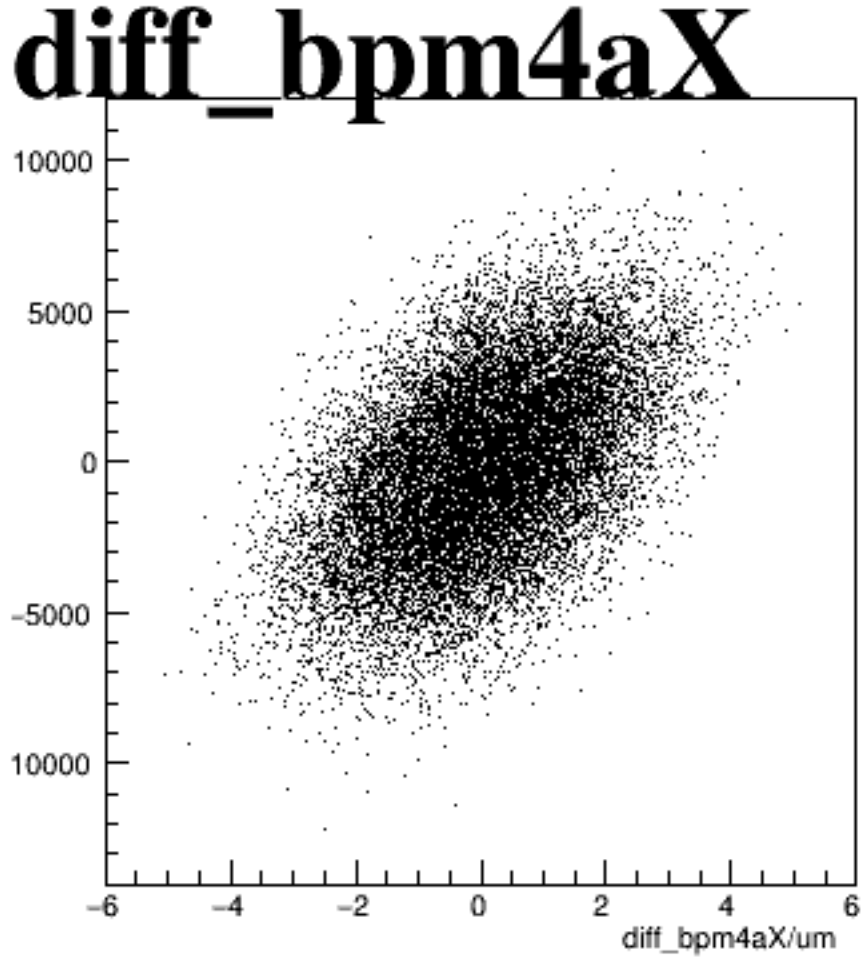
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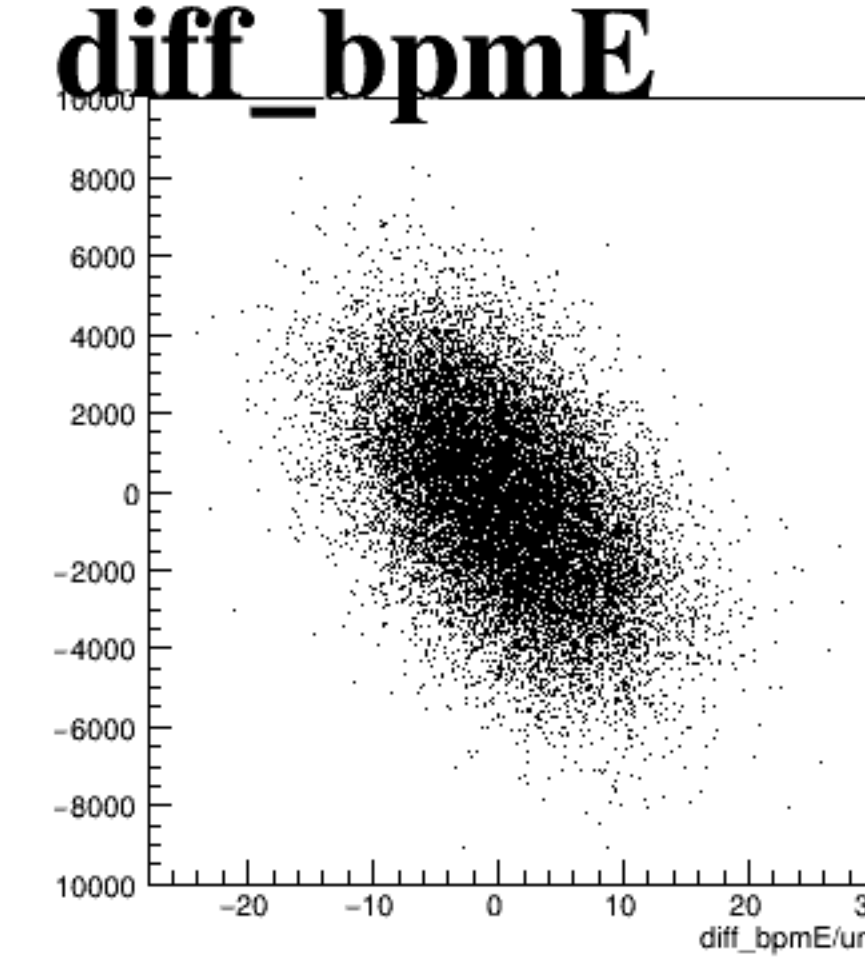
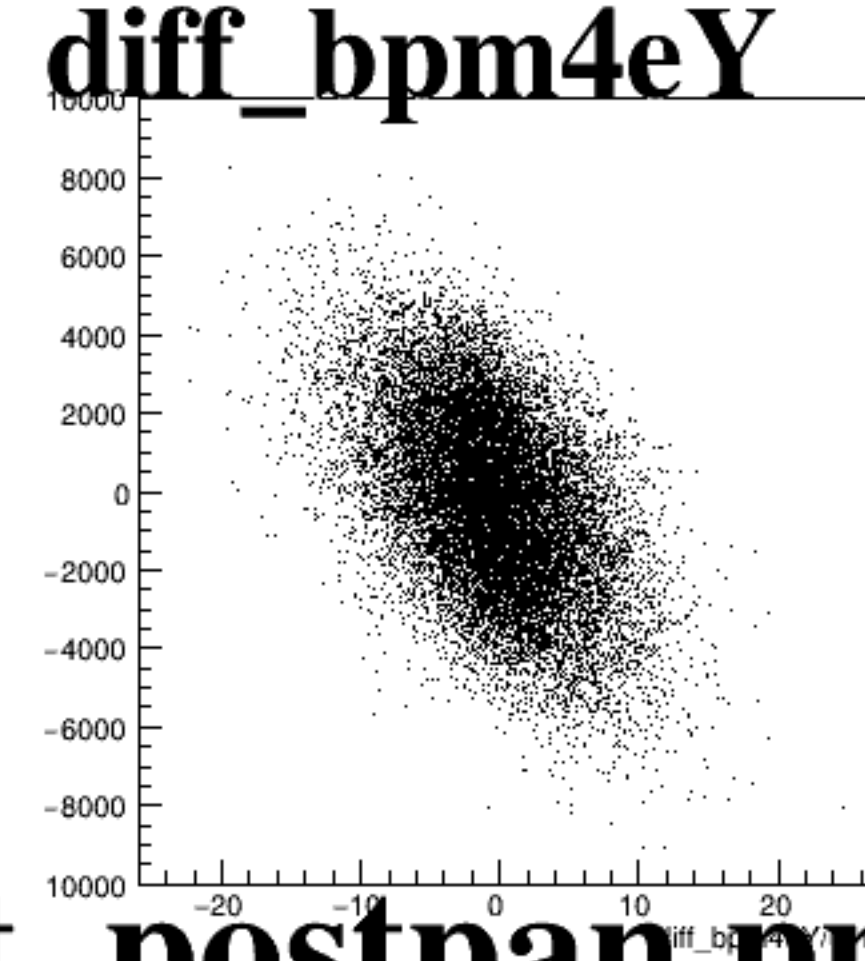
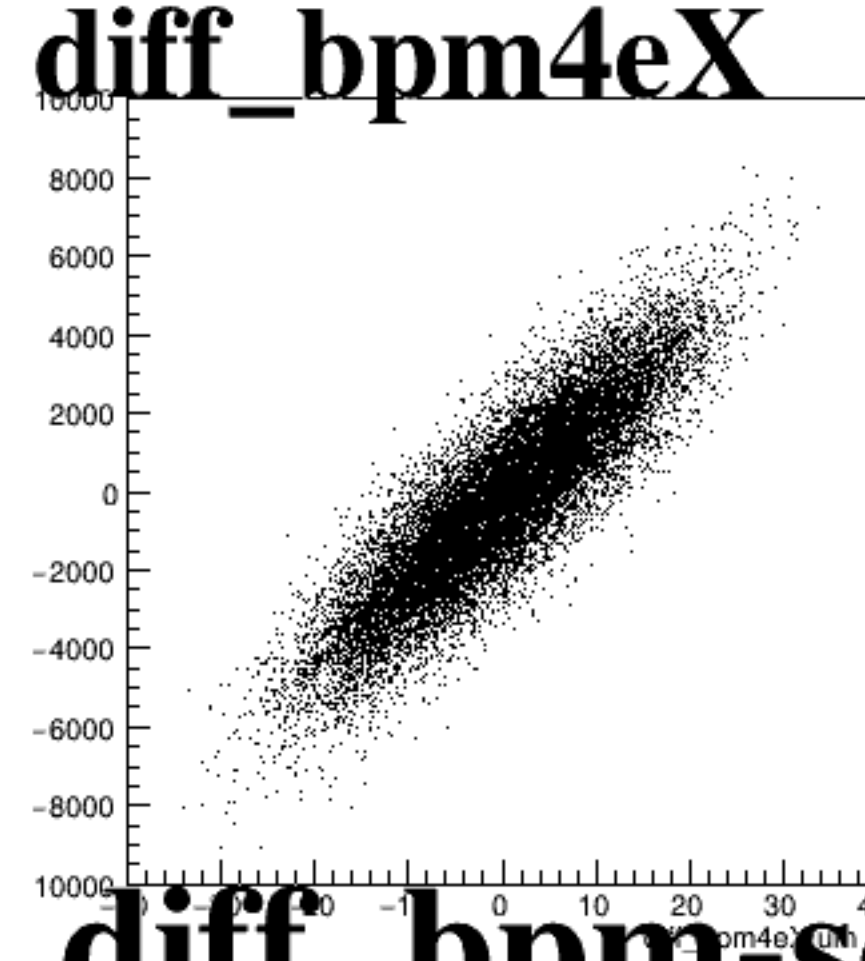
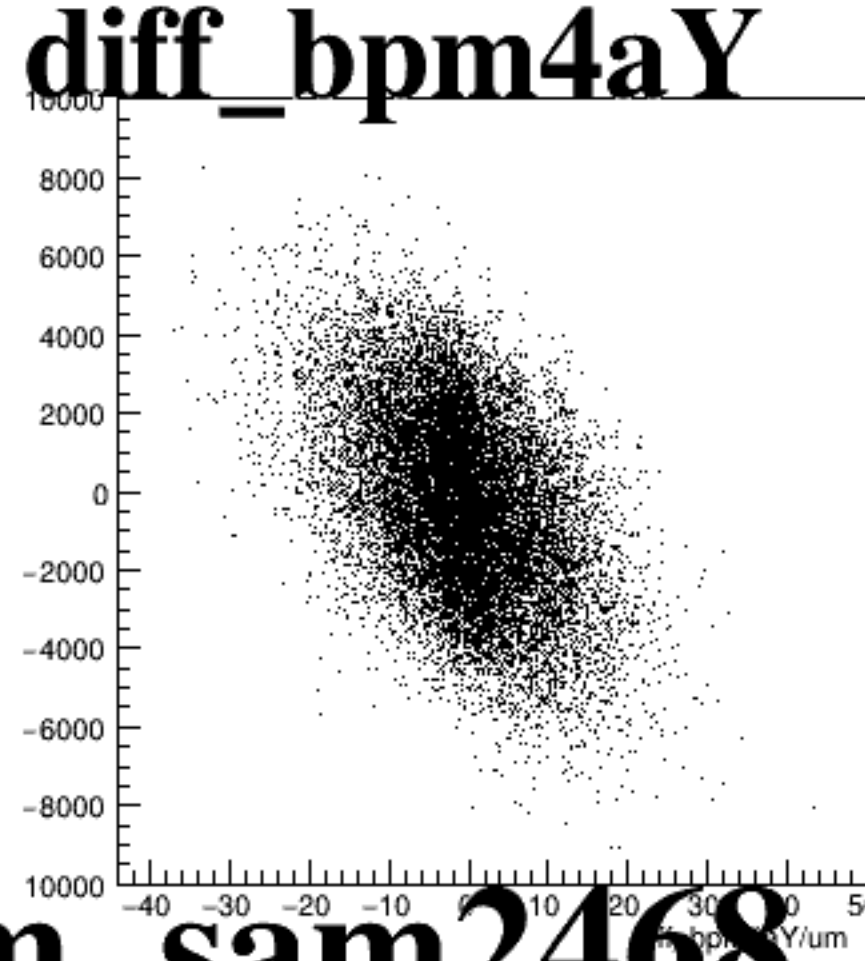
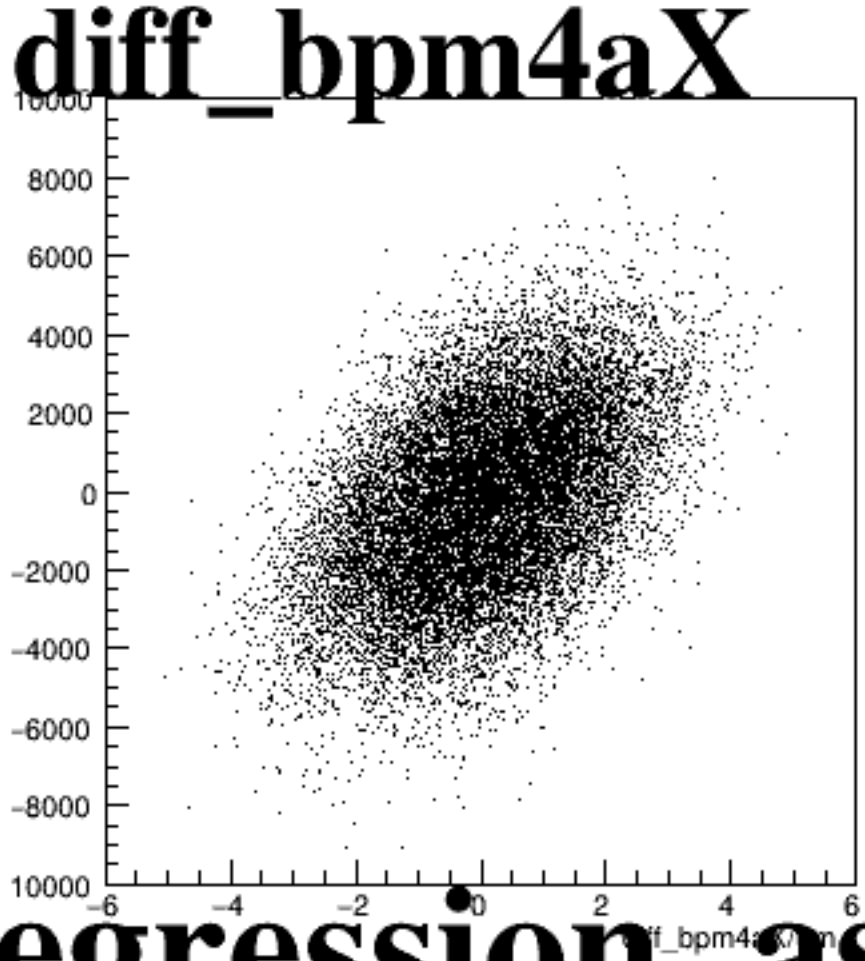
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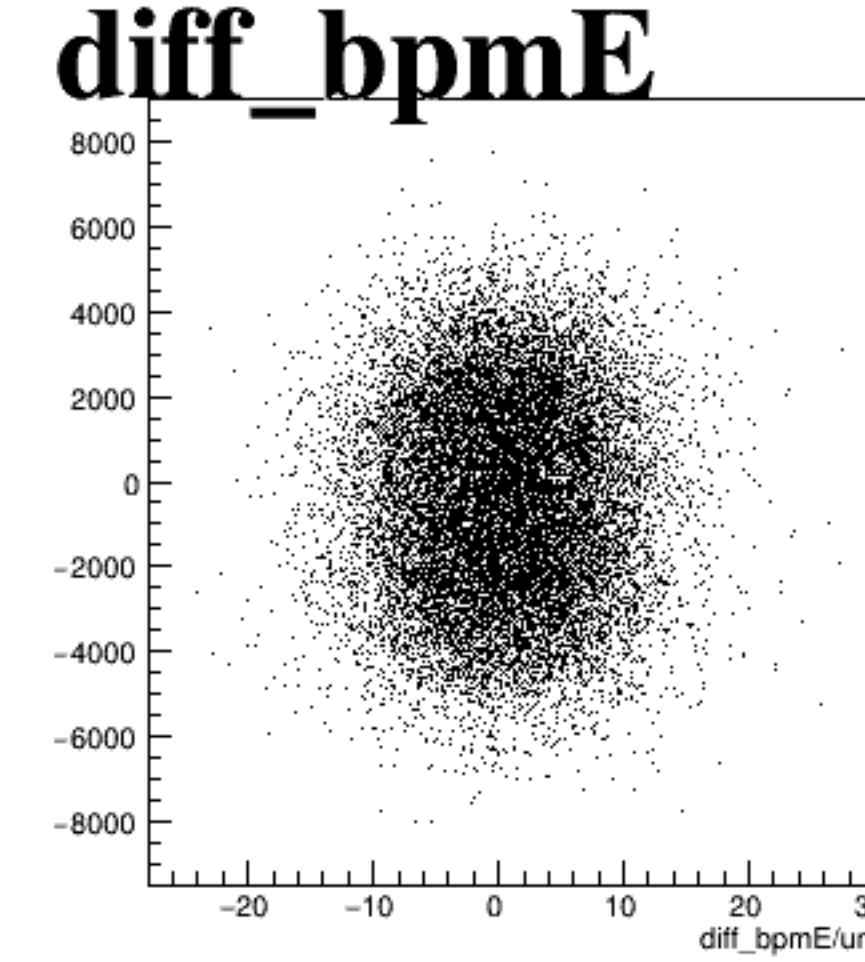
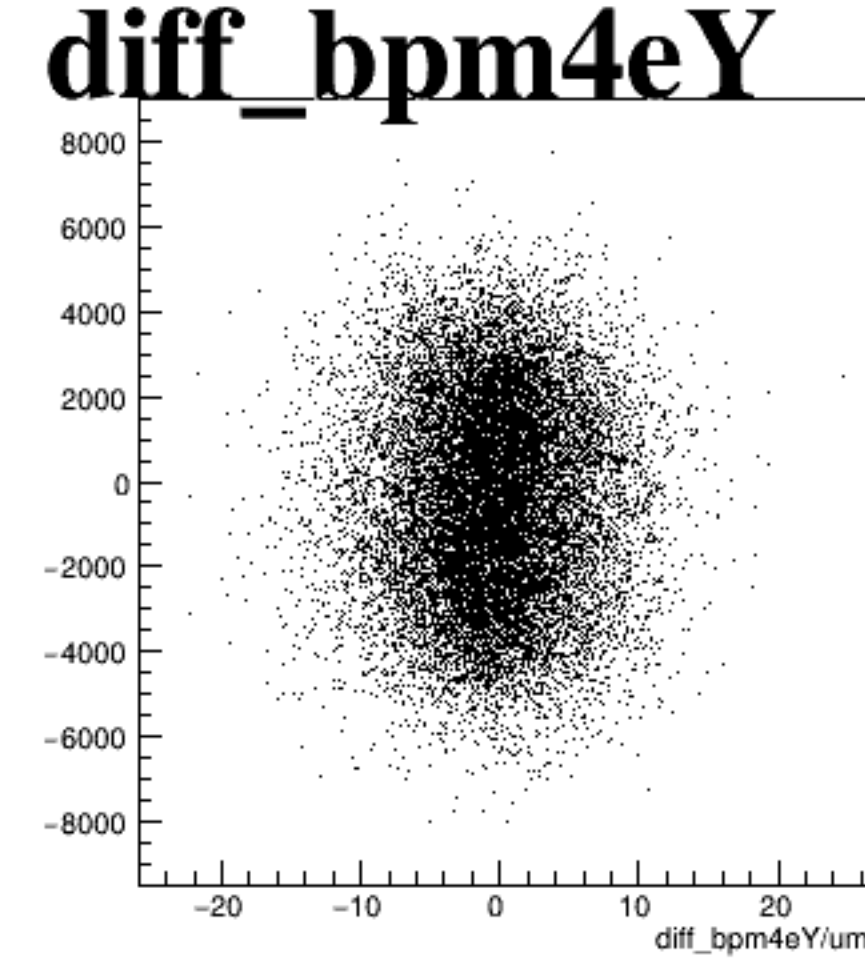
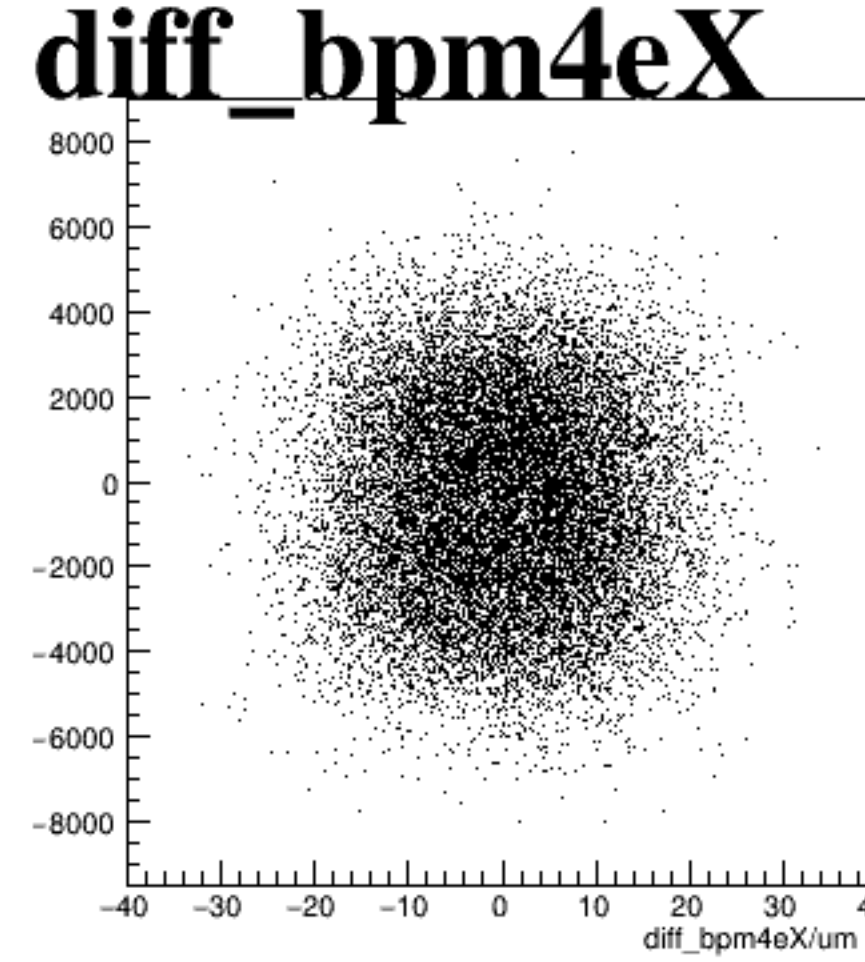
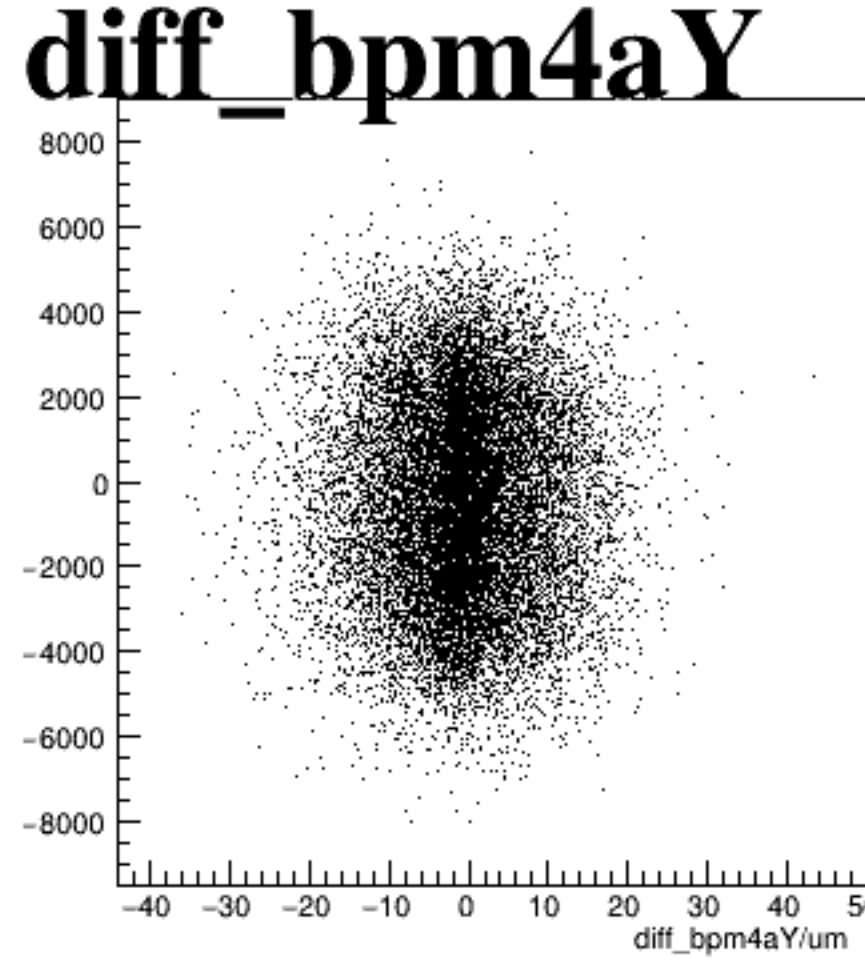
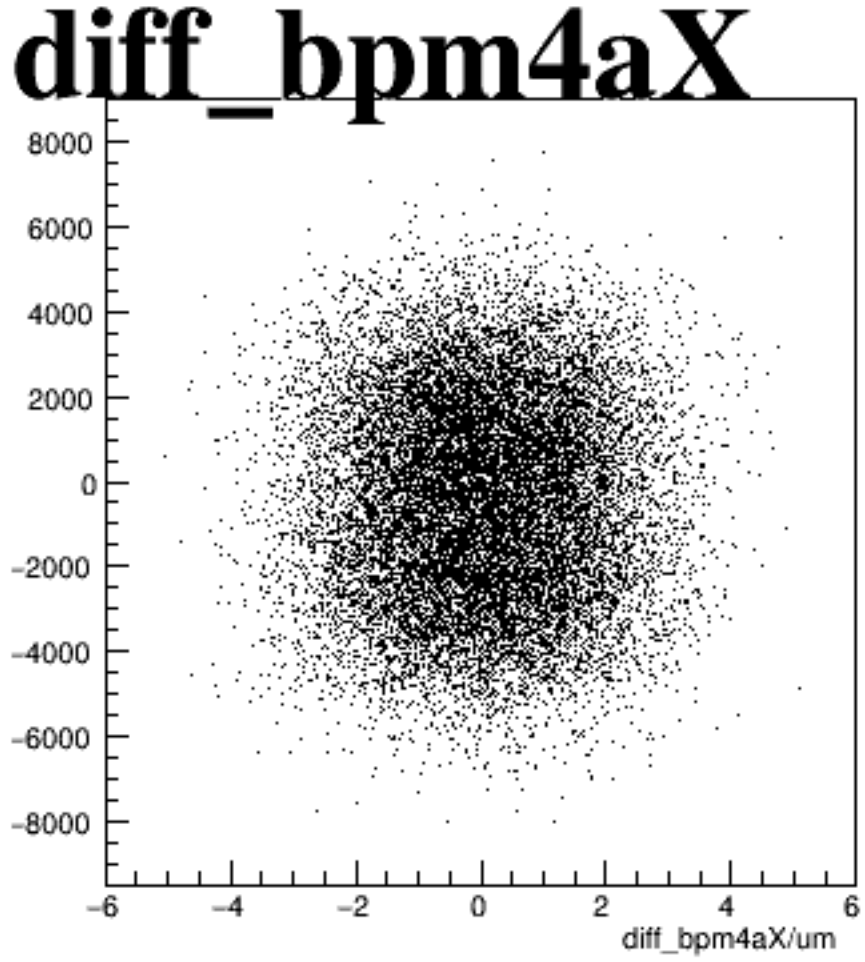
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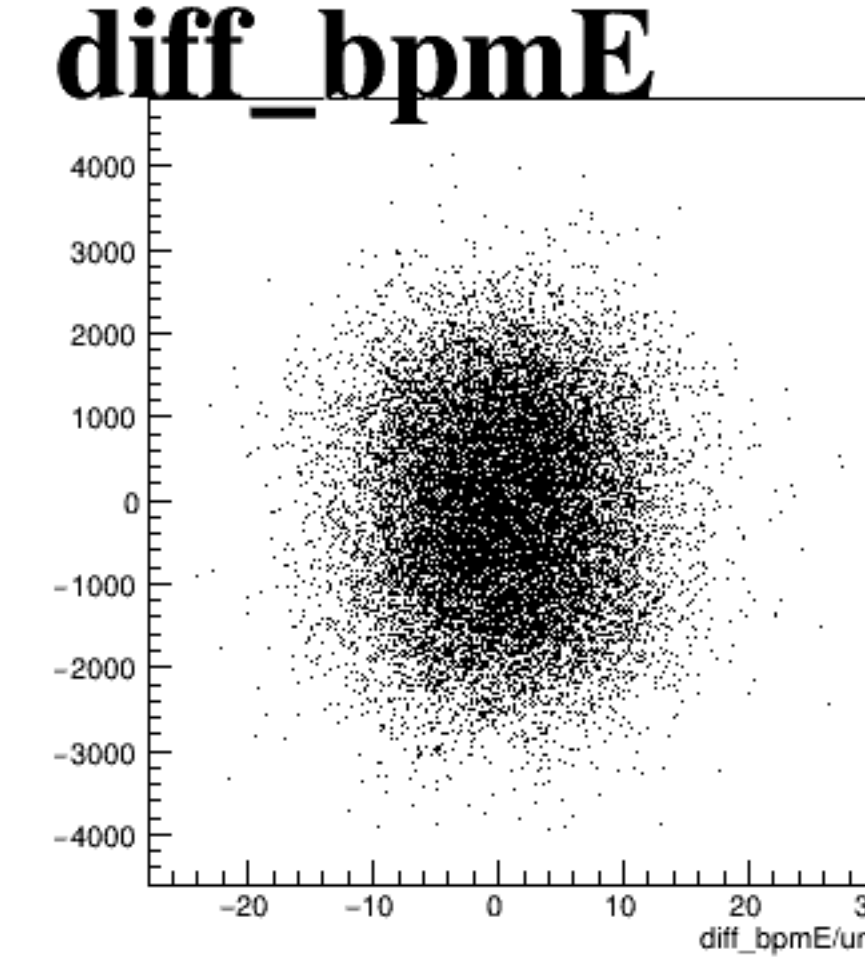
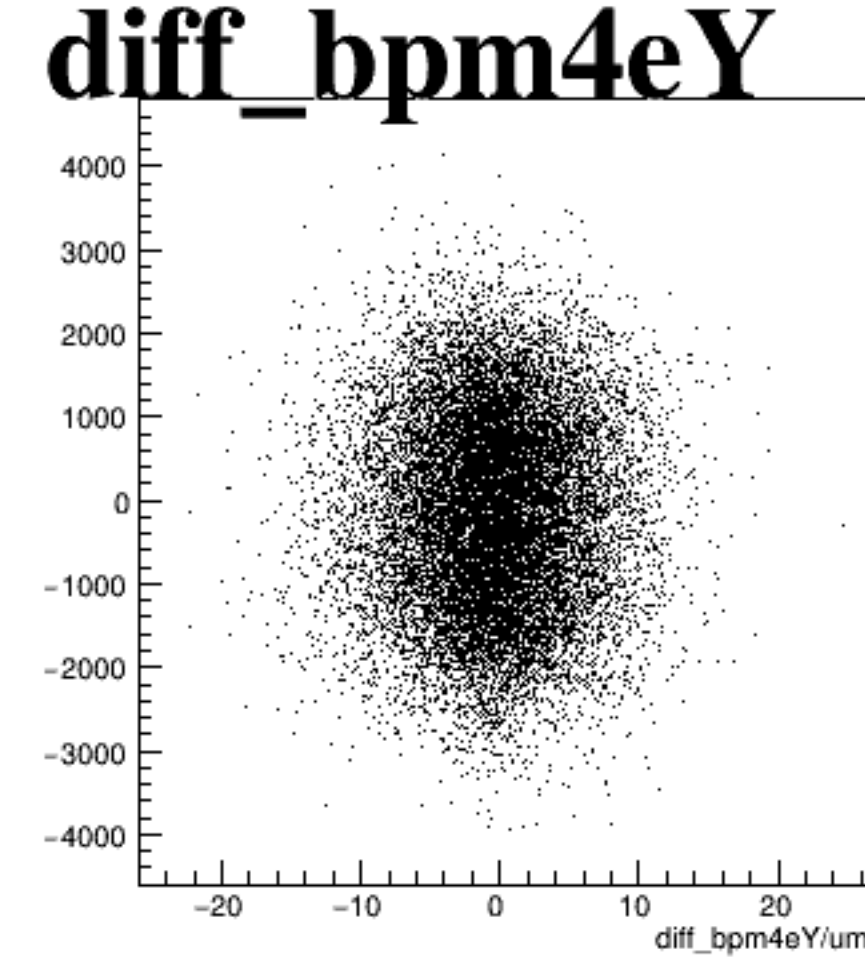
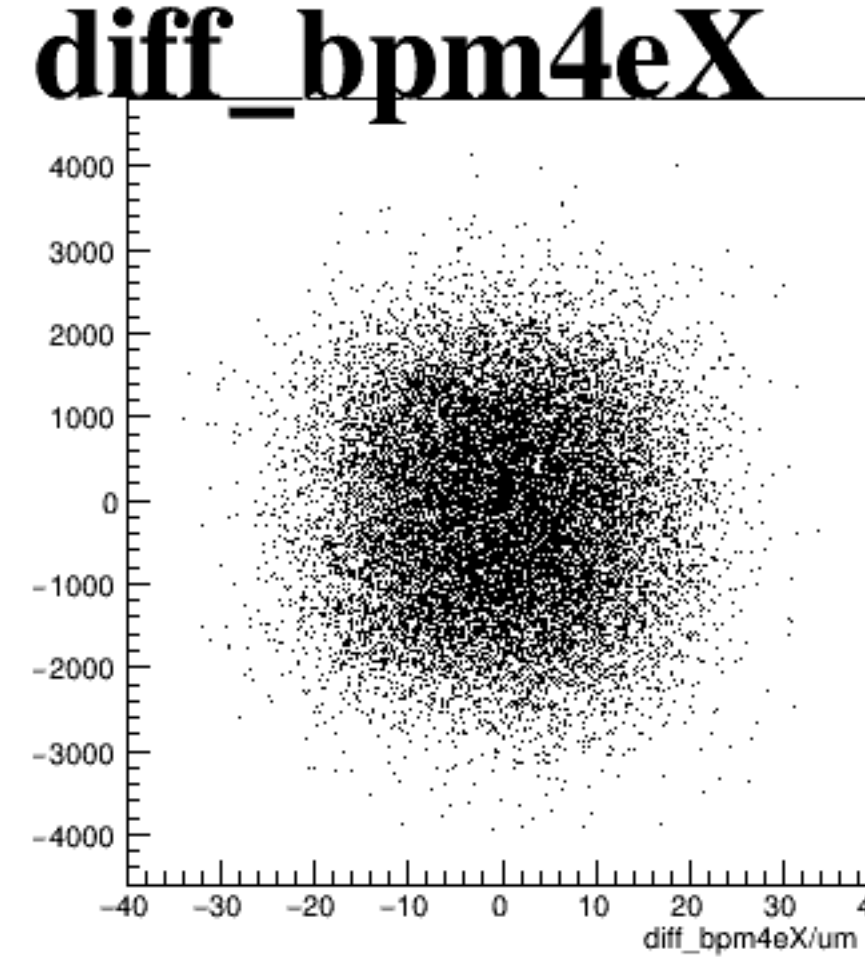
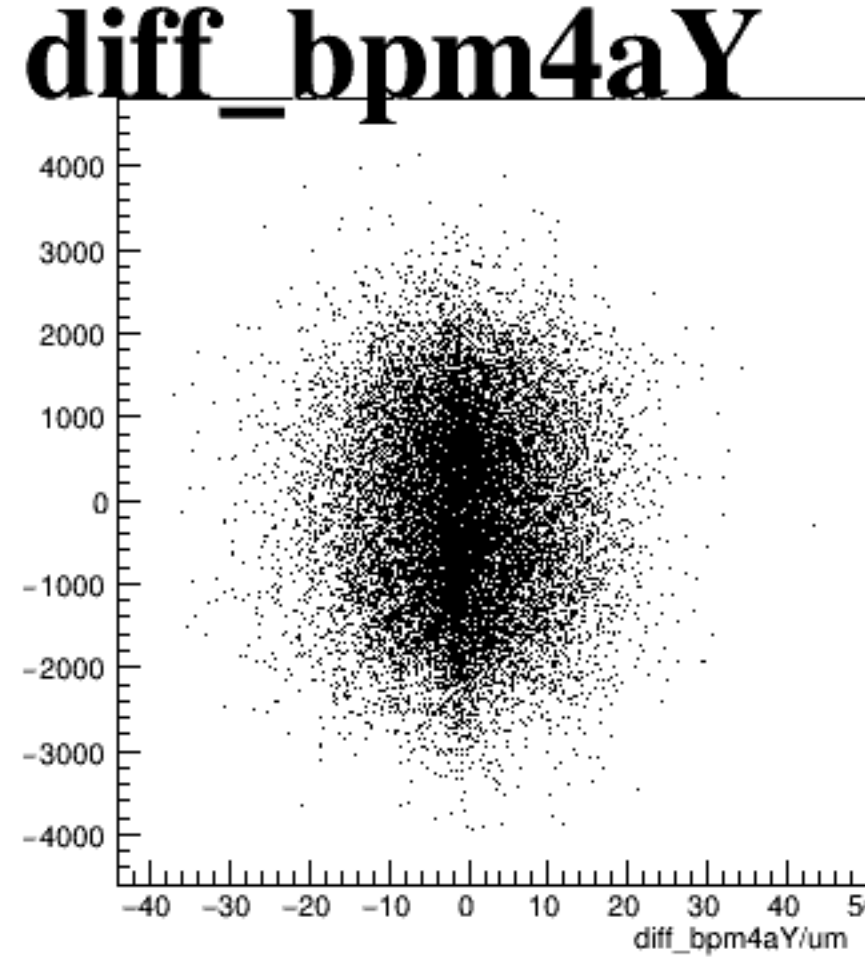
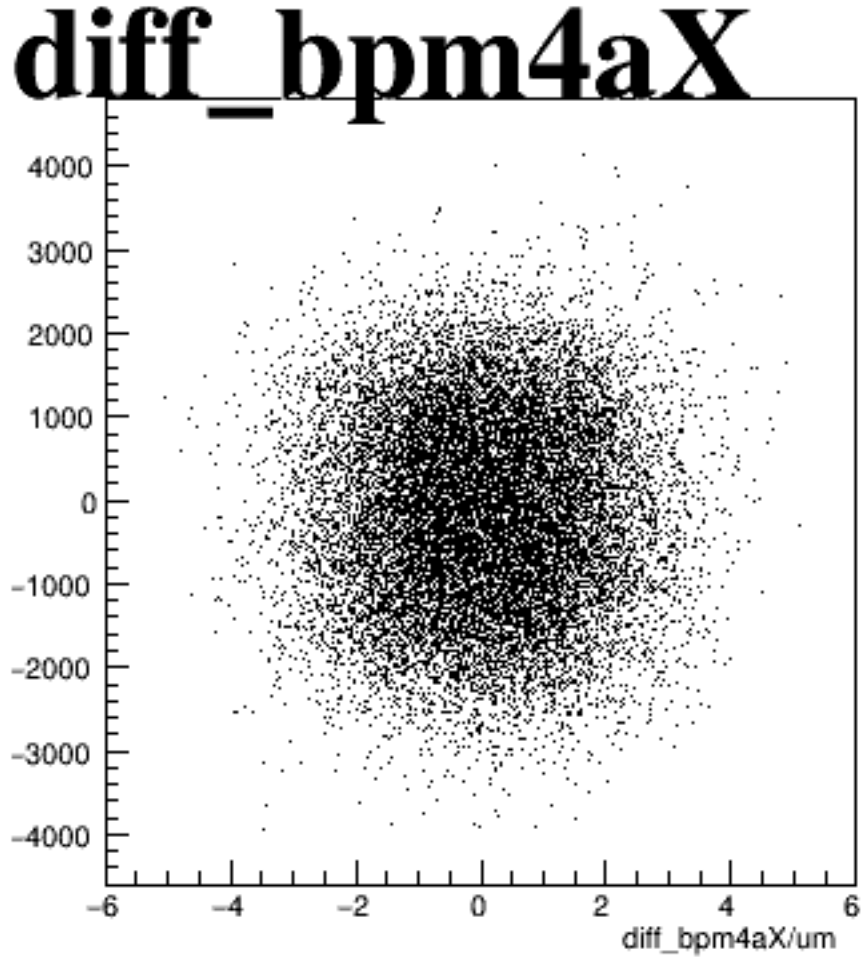
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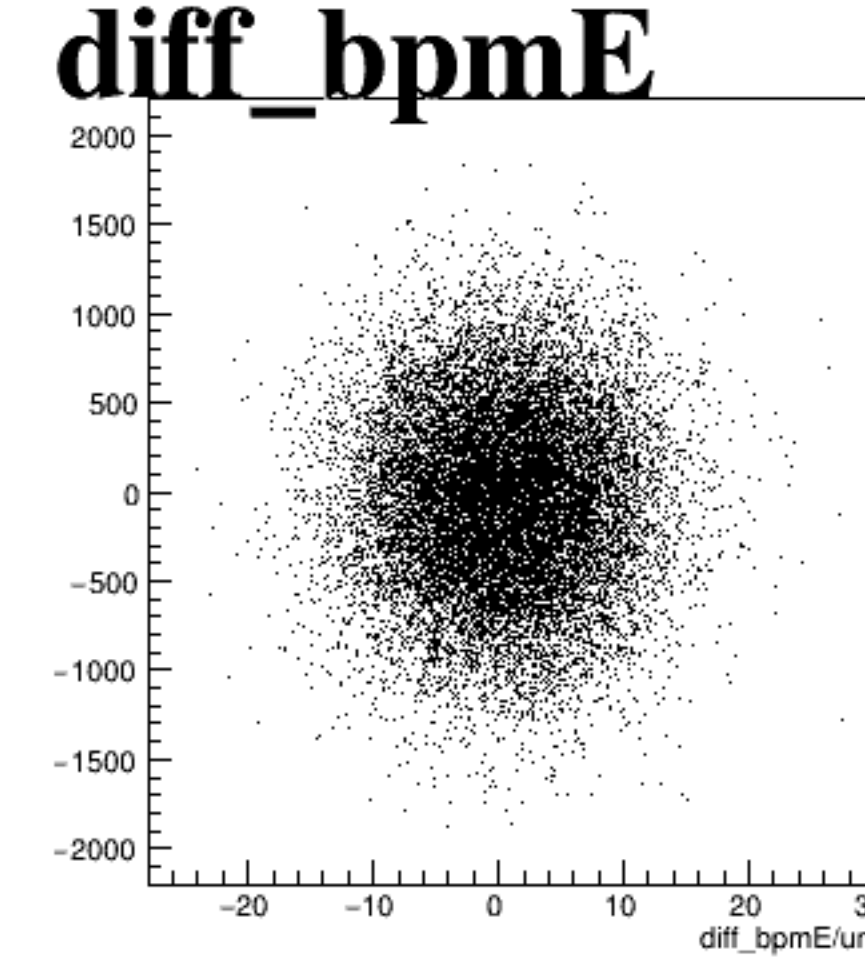
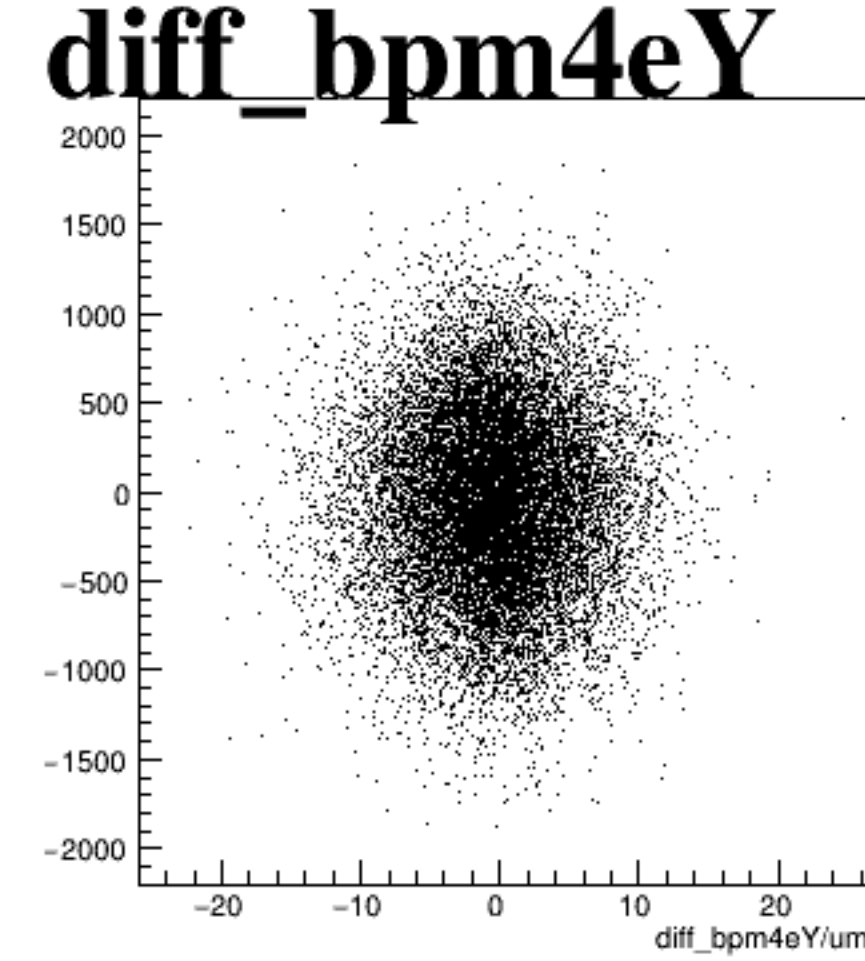
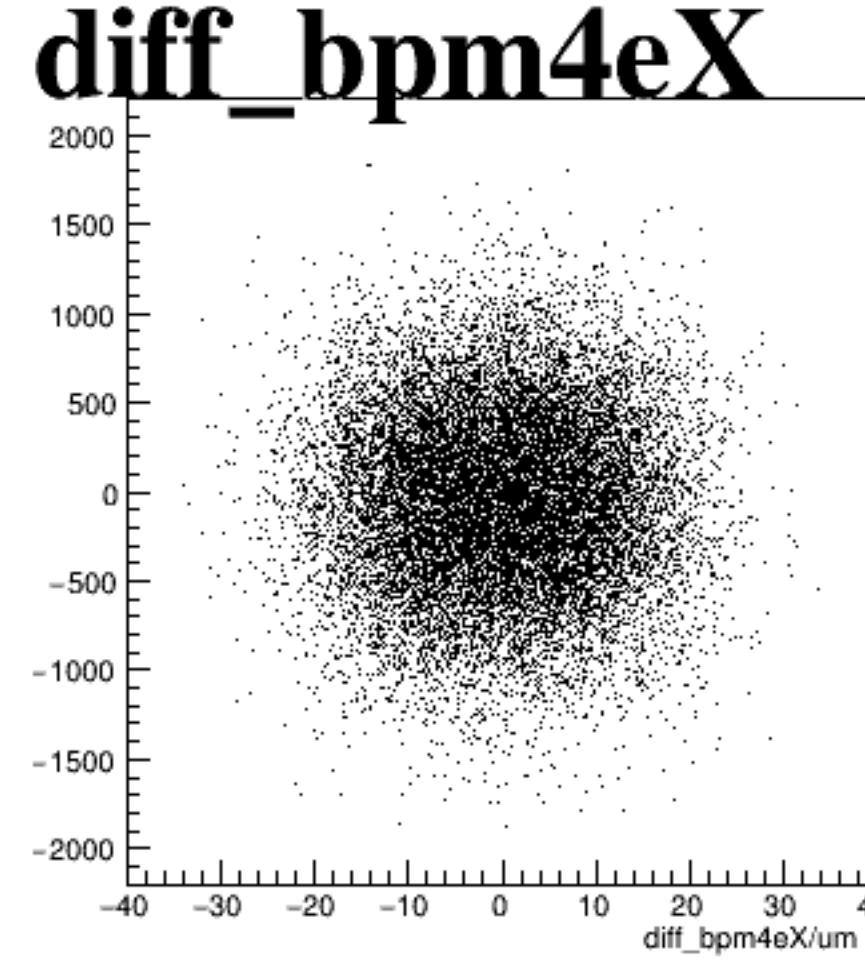
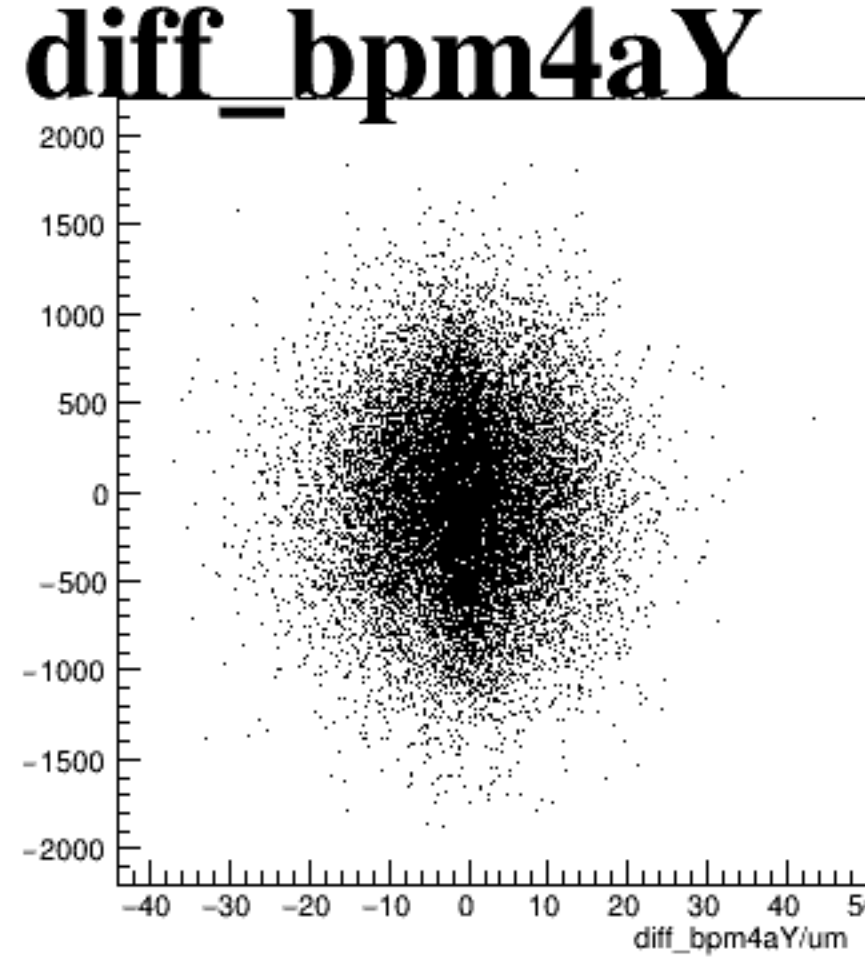
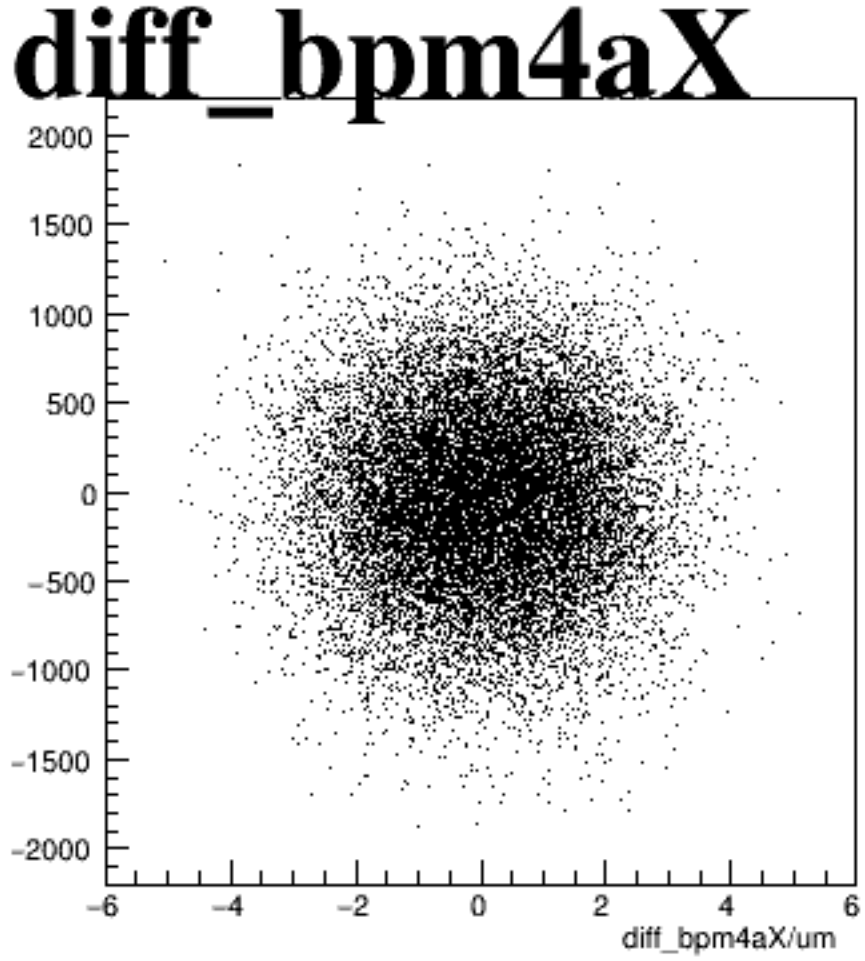
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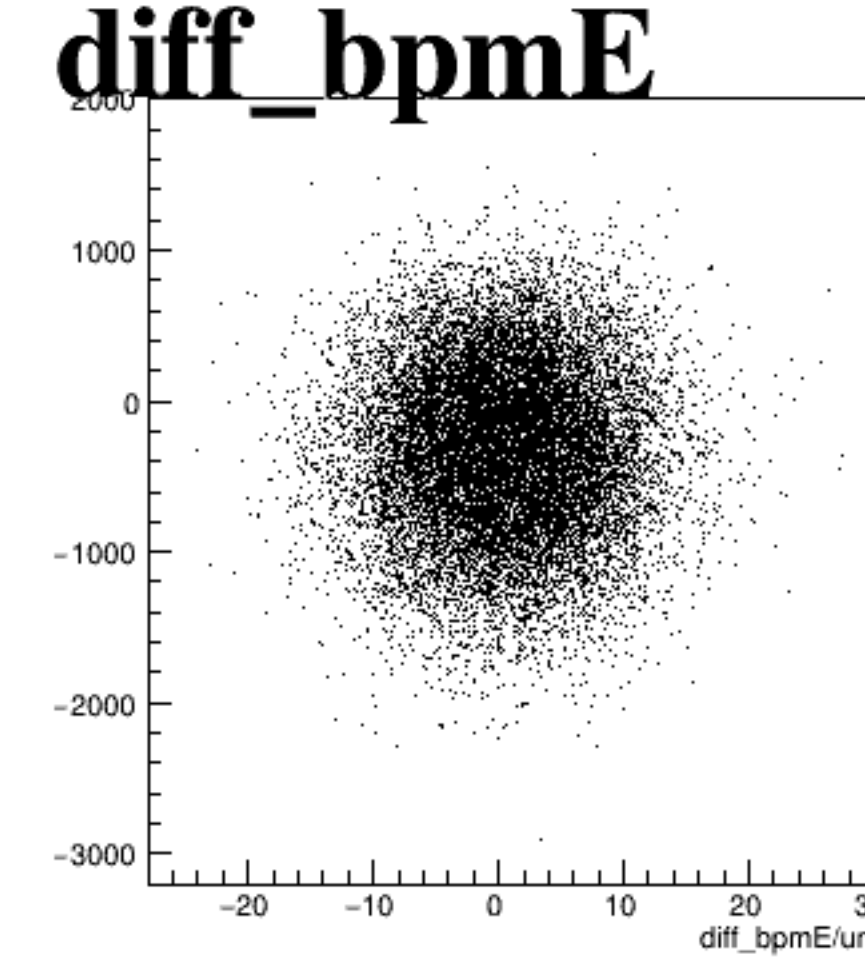
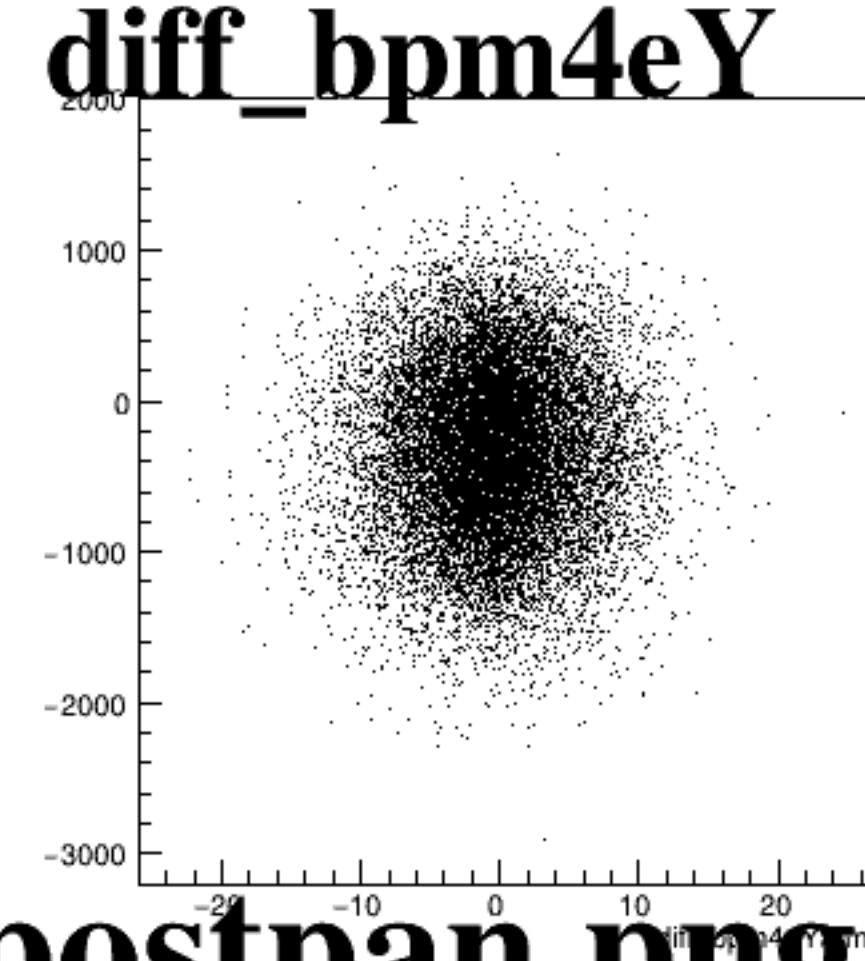
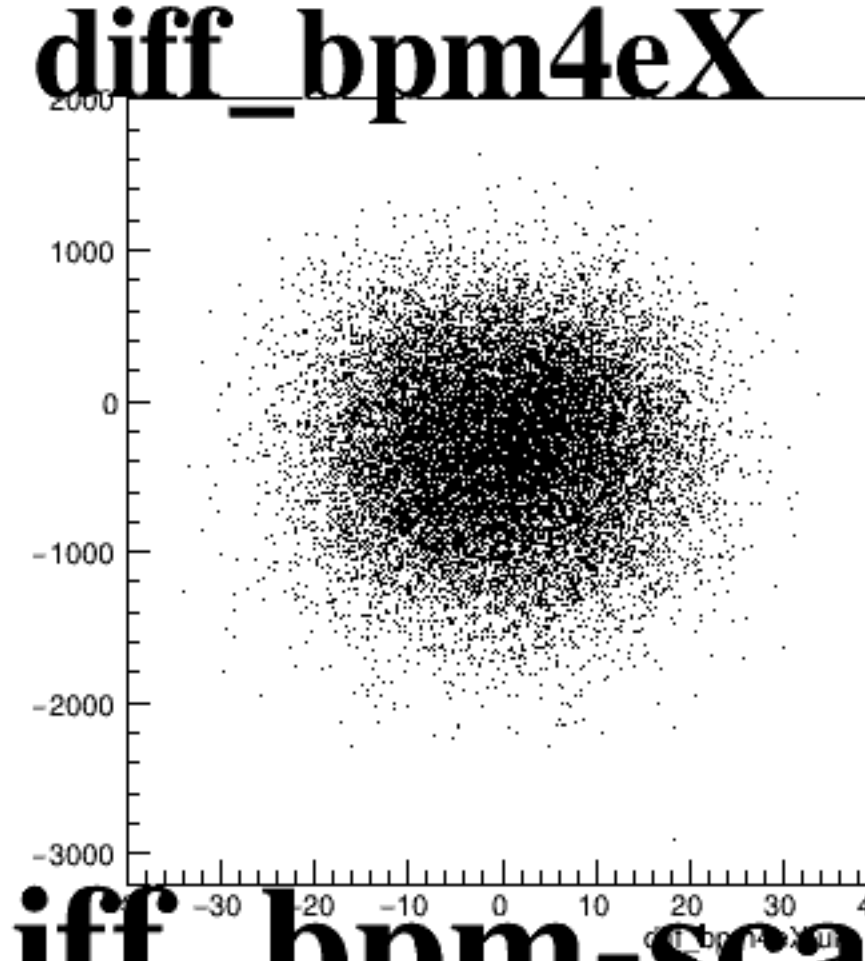
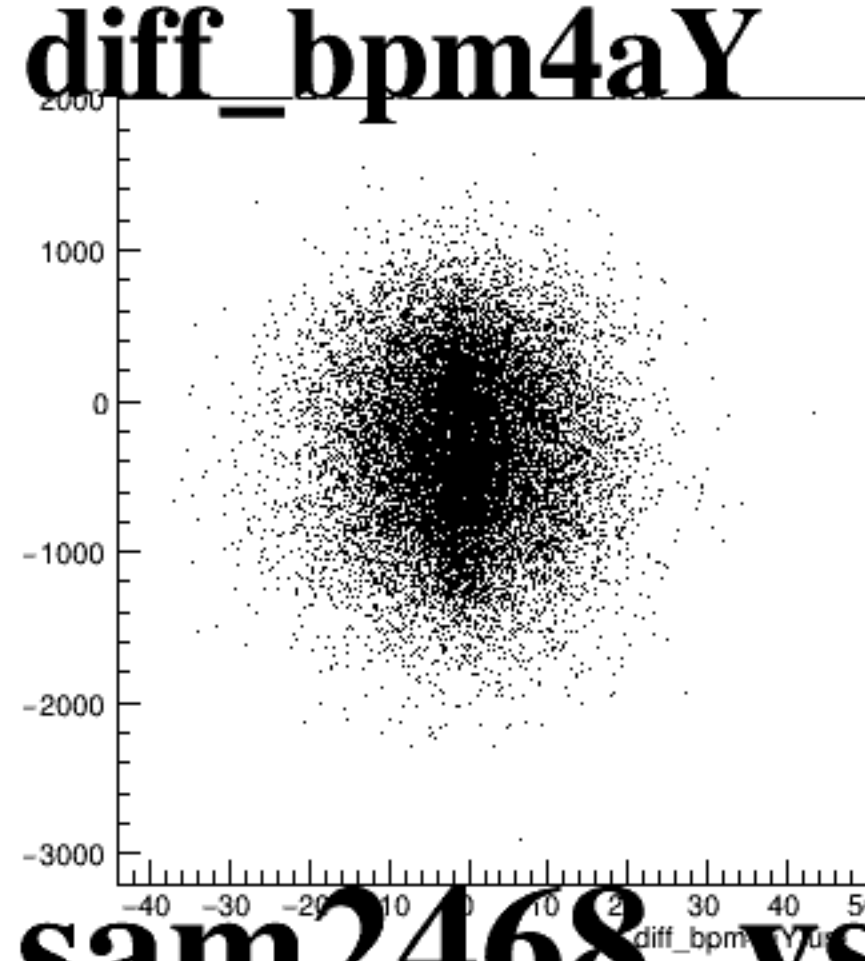
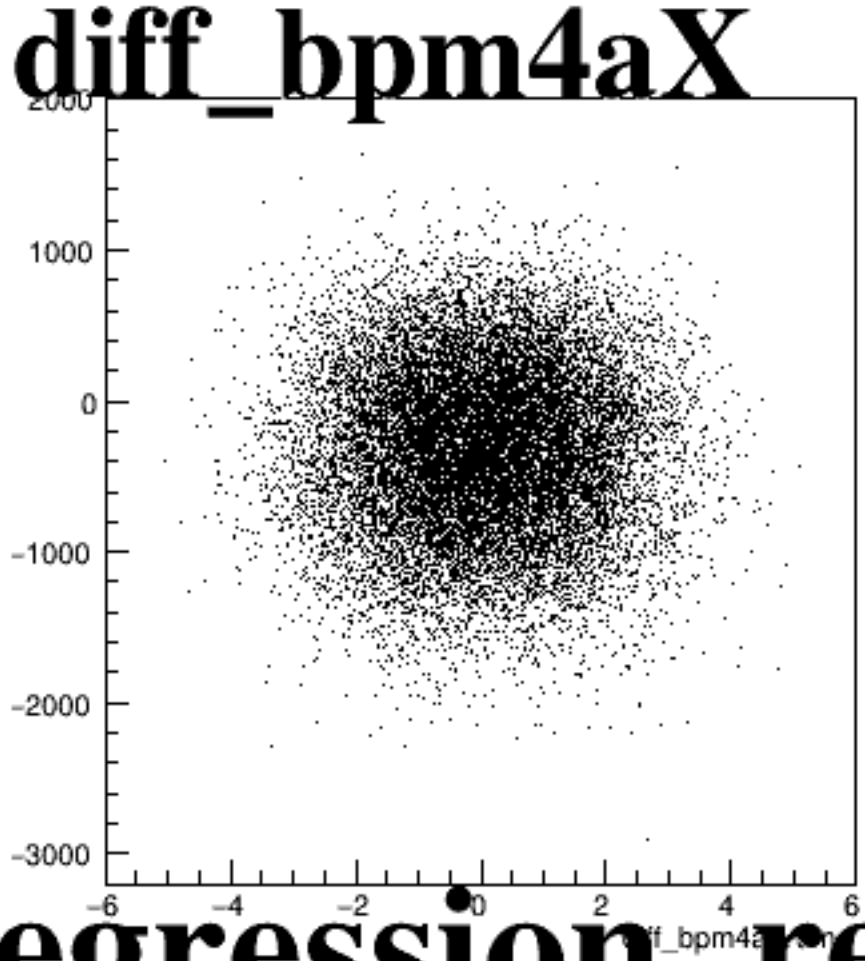
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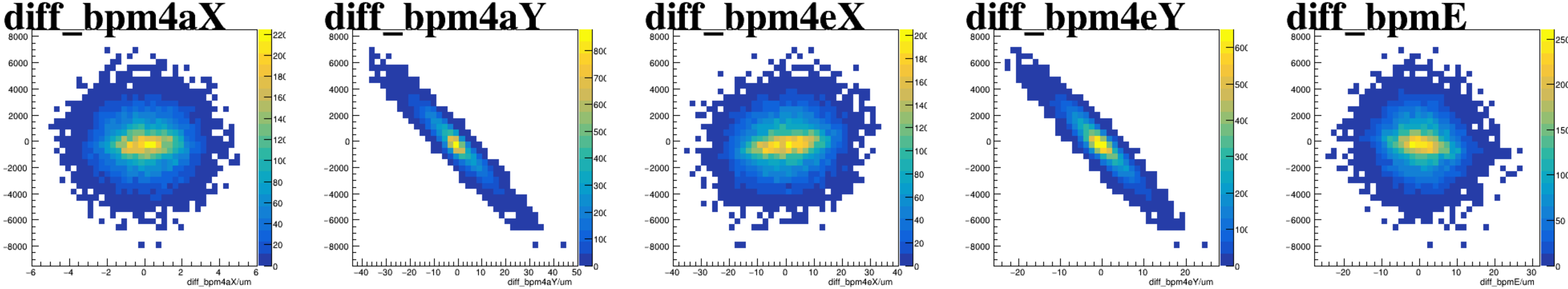
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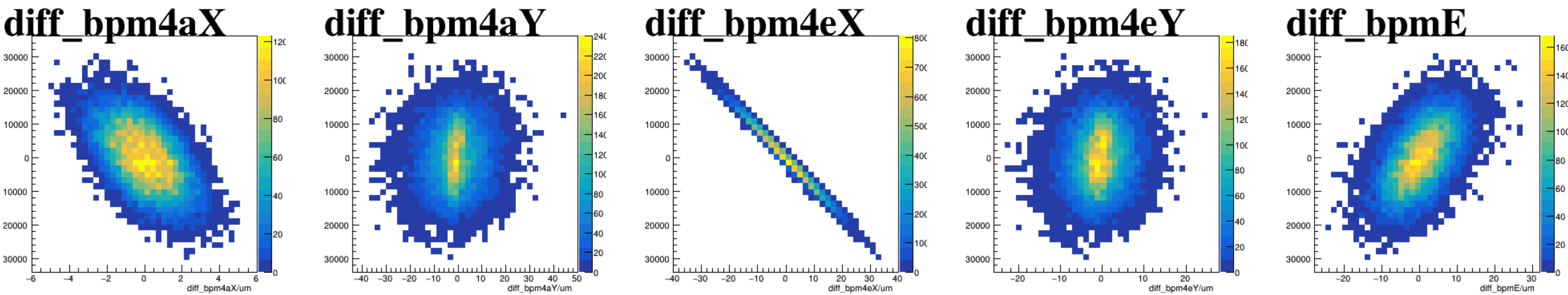
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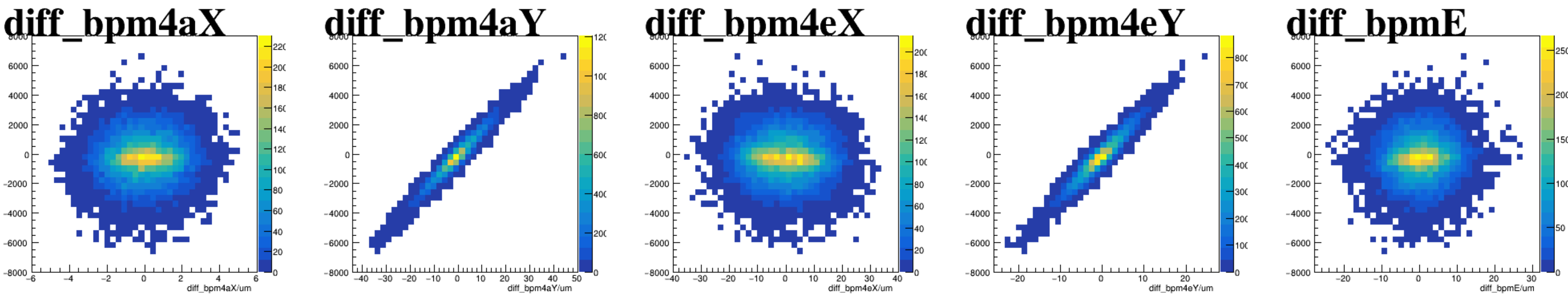
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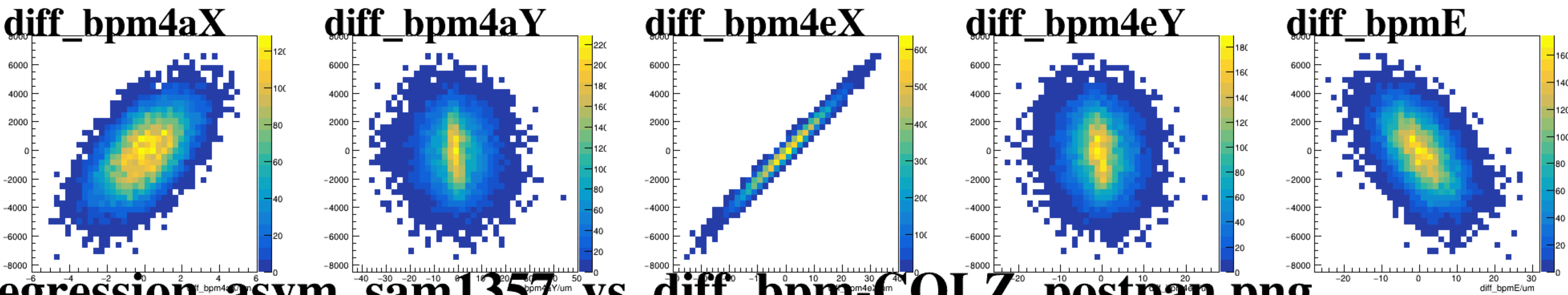
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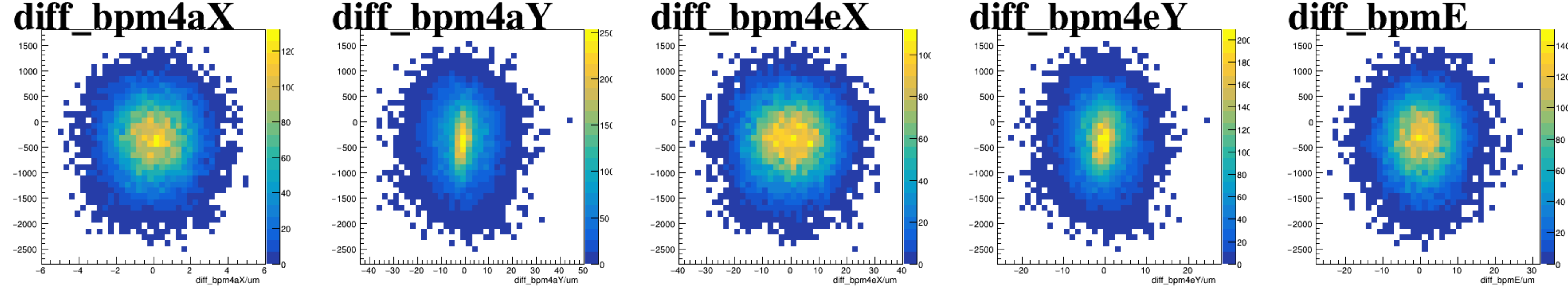
asym_sam5



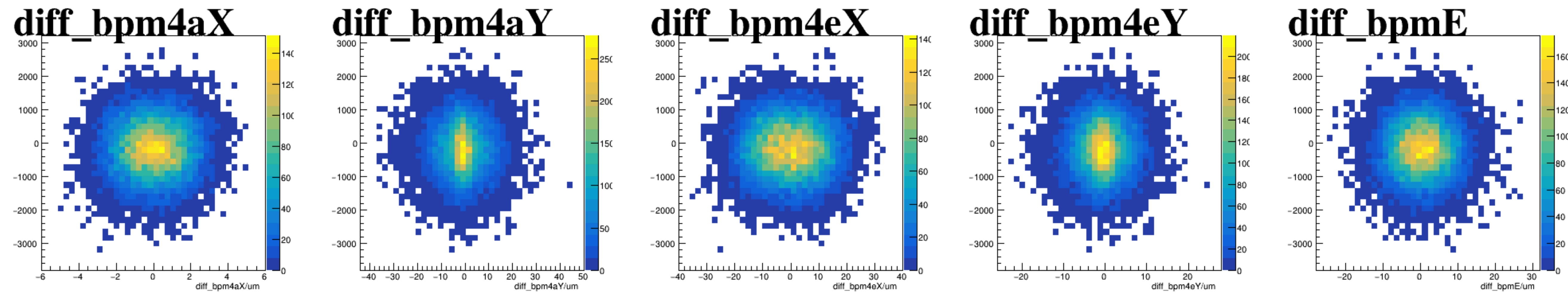
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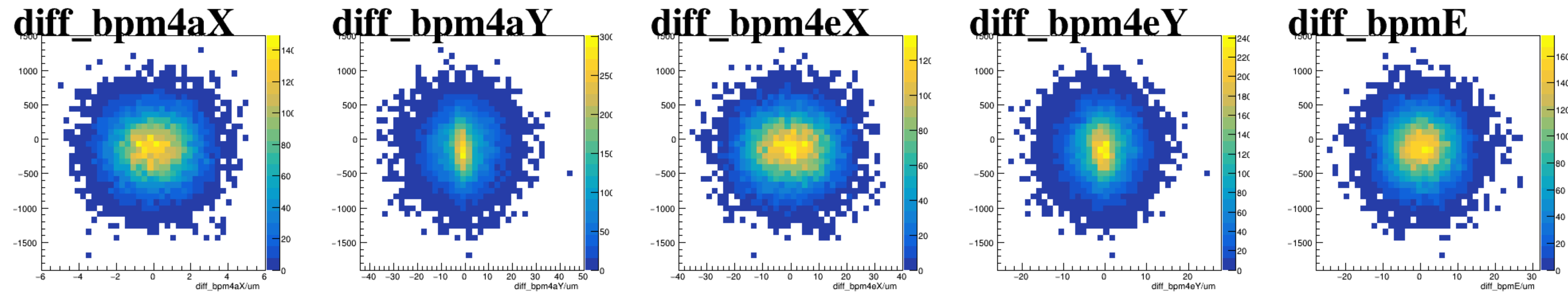
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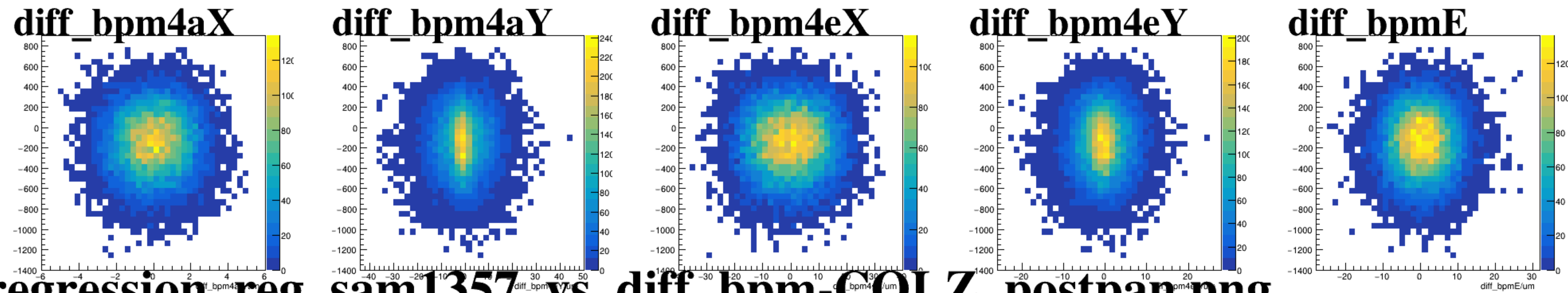
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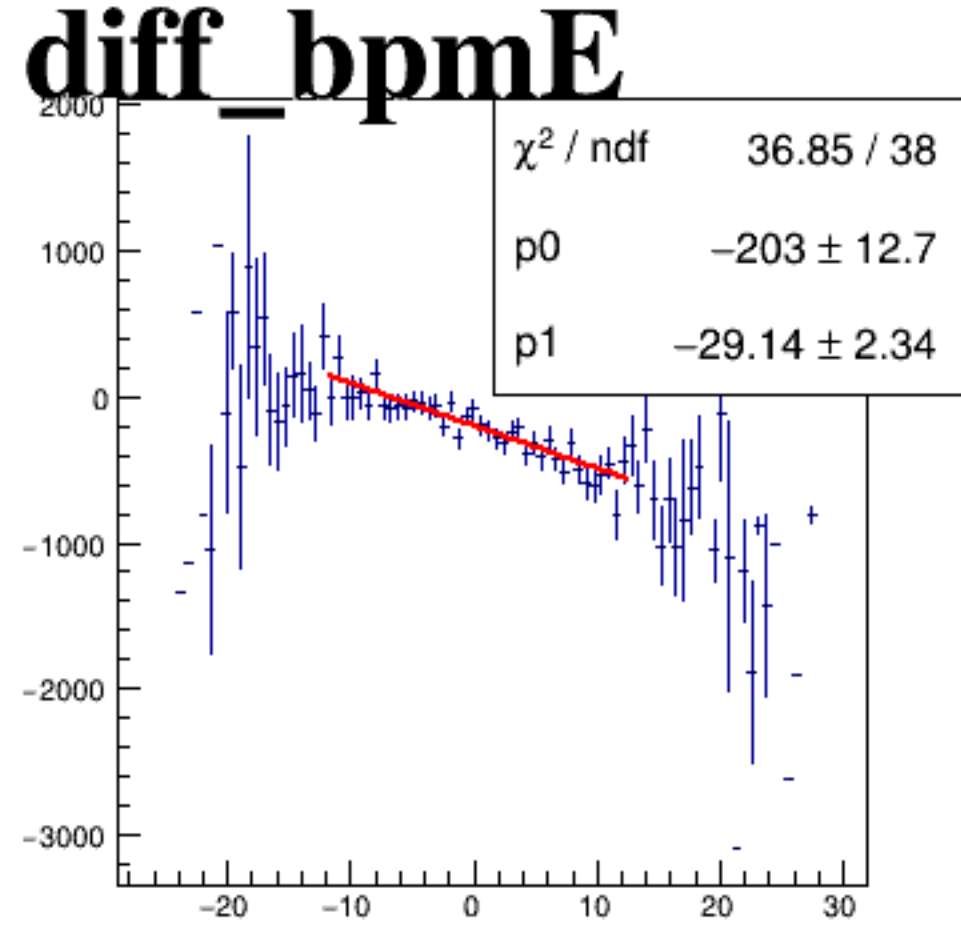
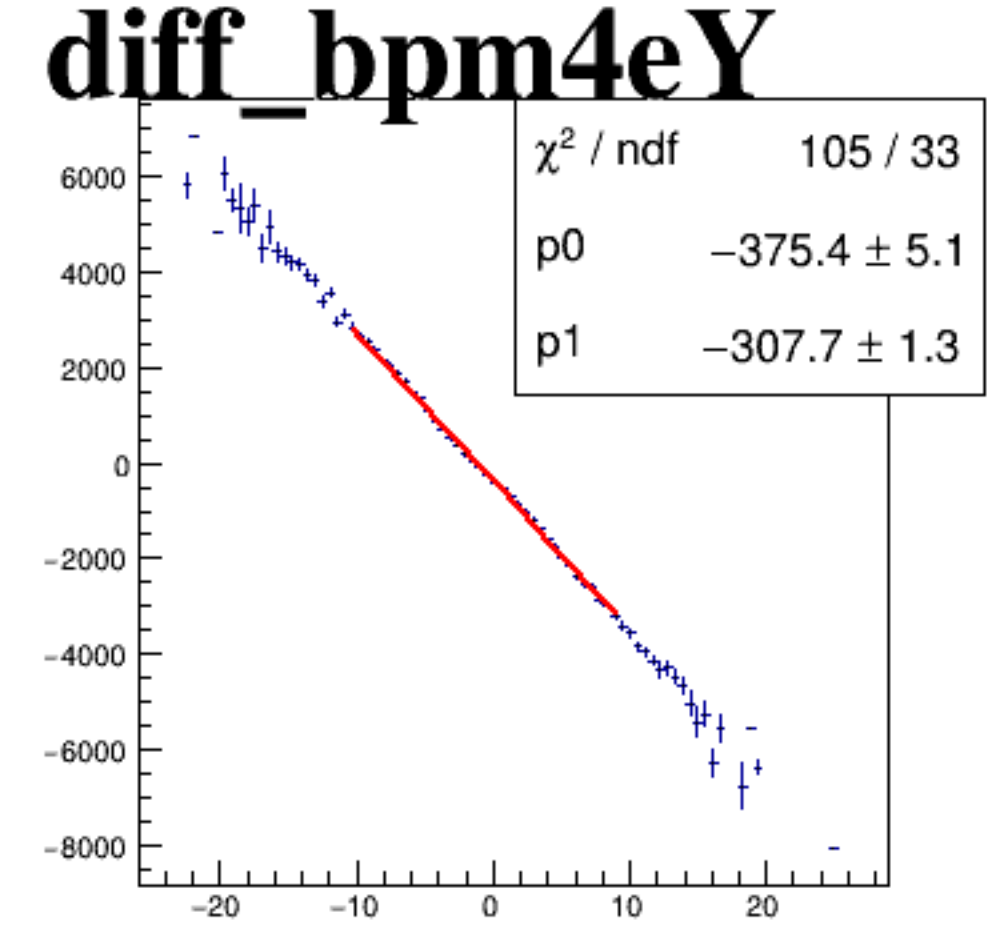
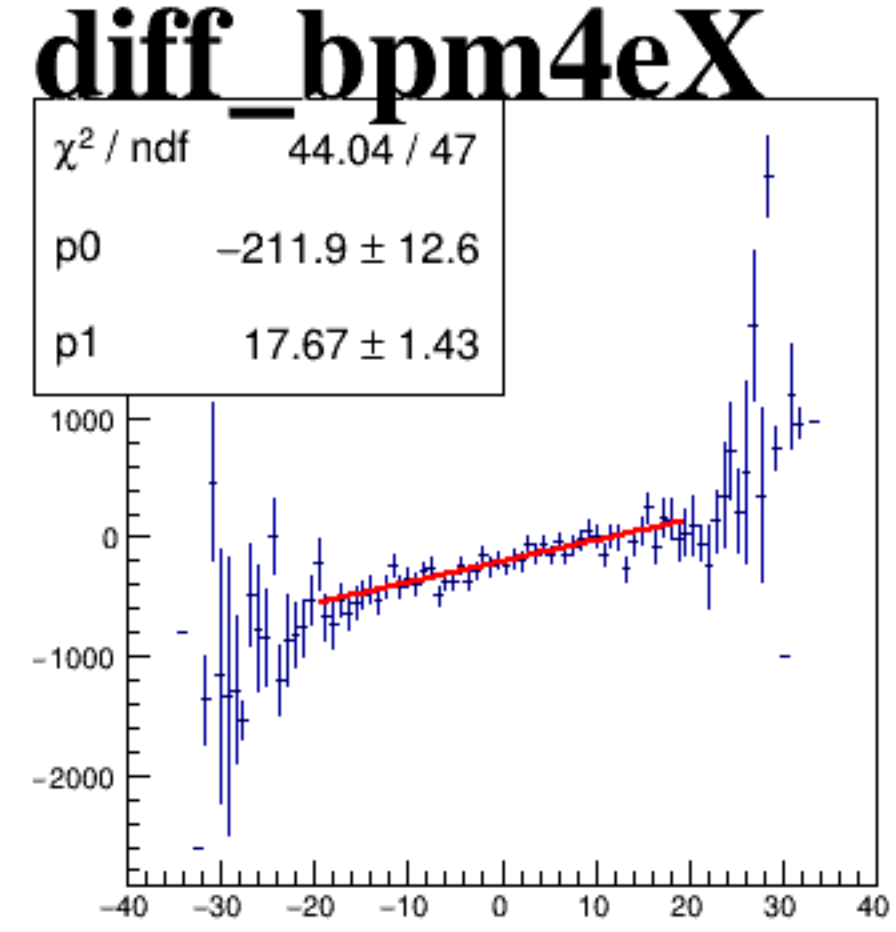
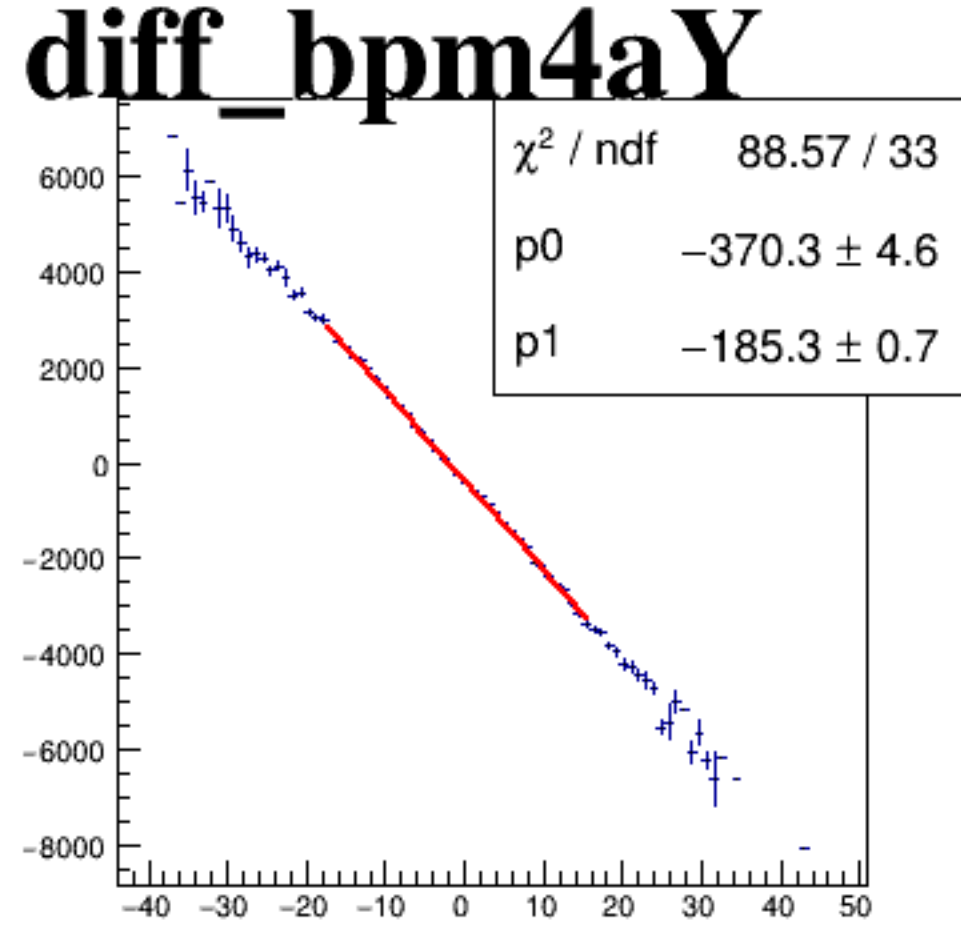
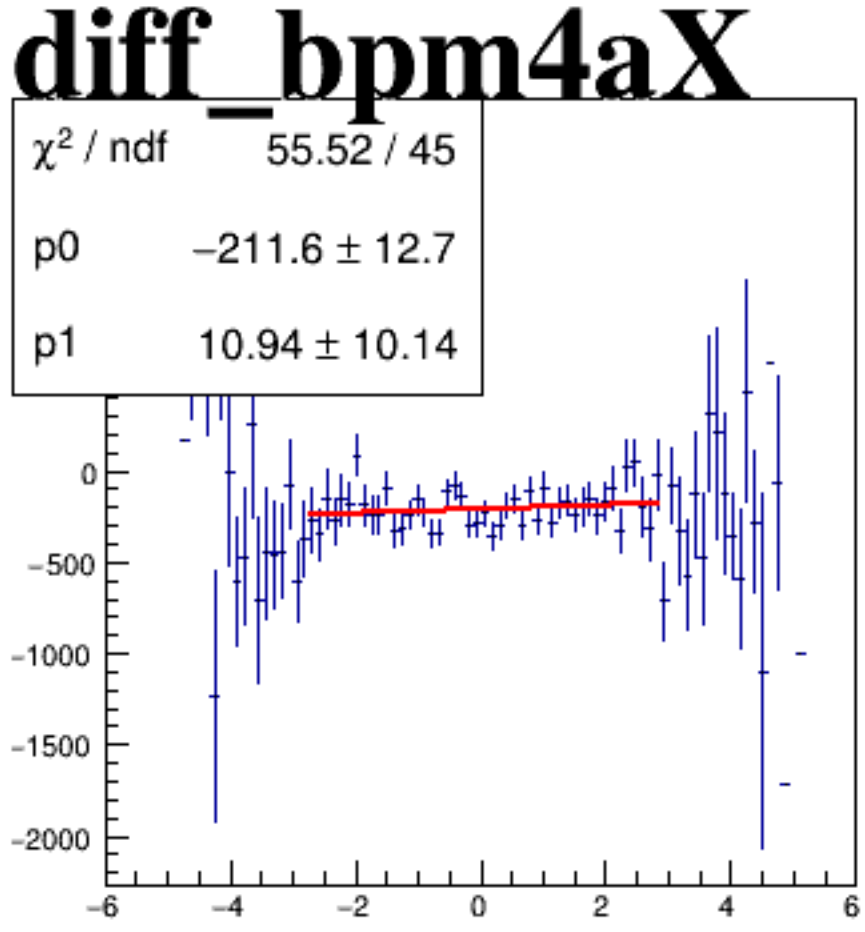
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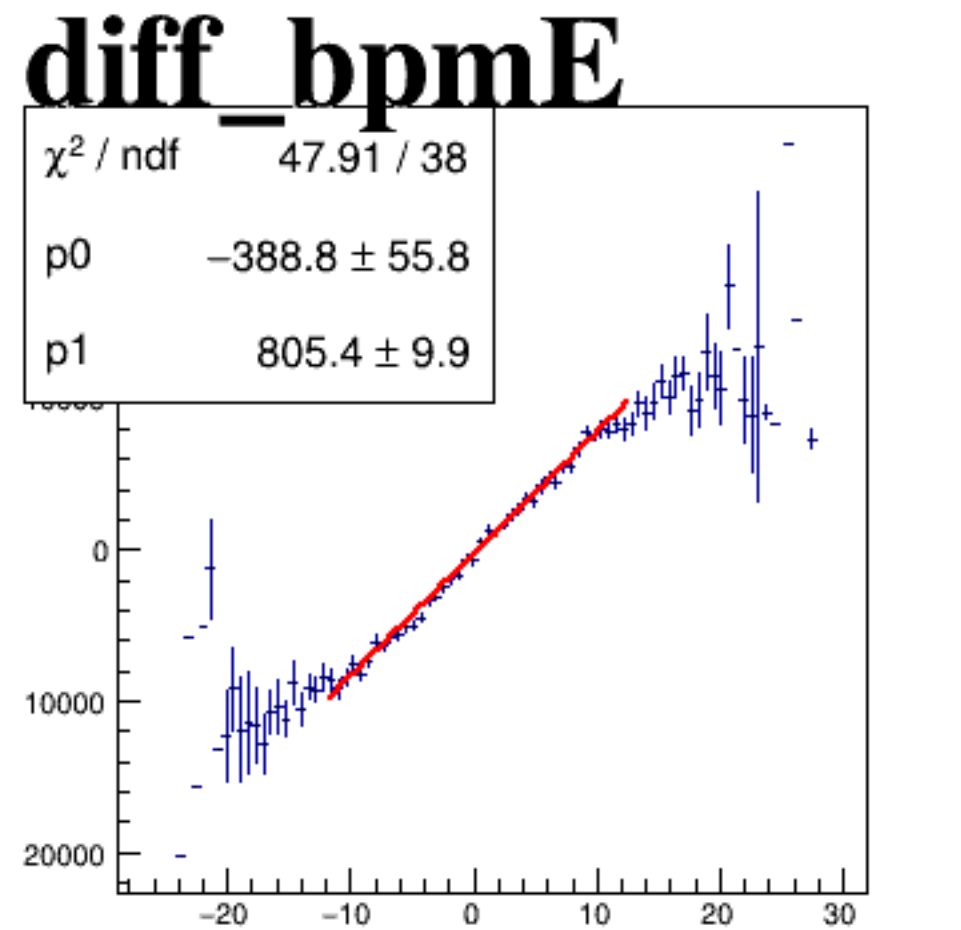
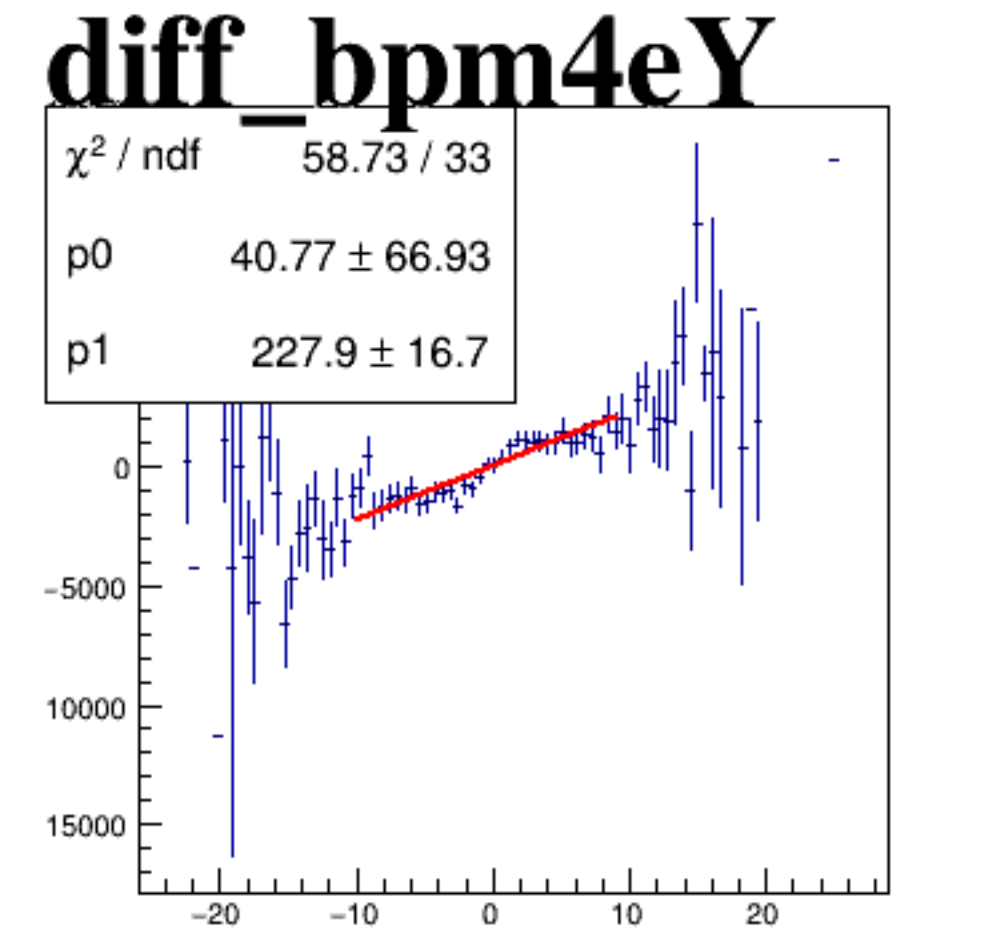
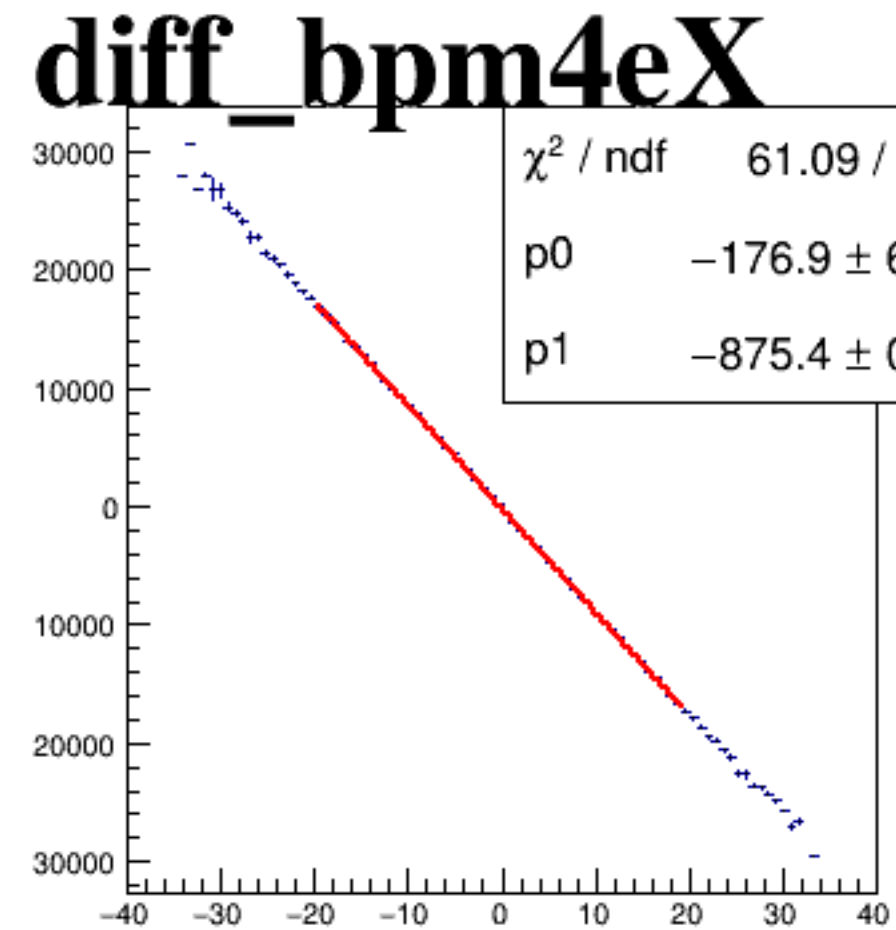
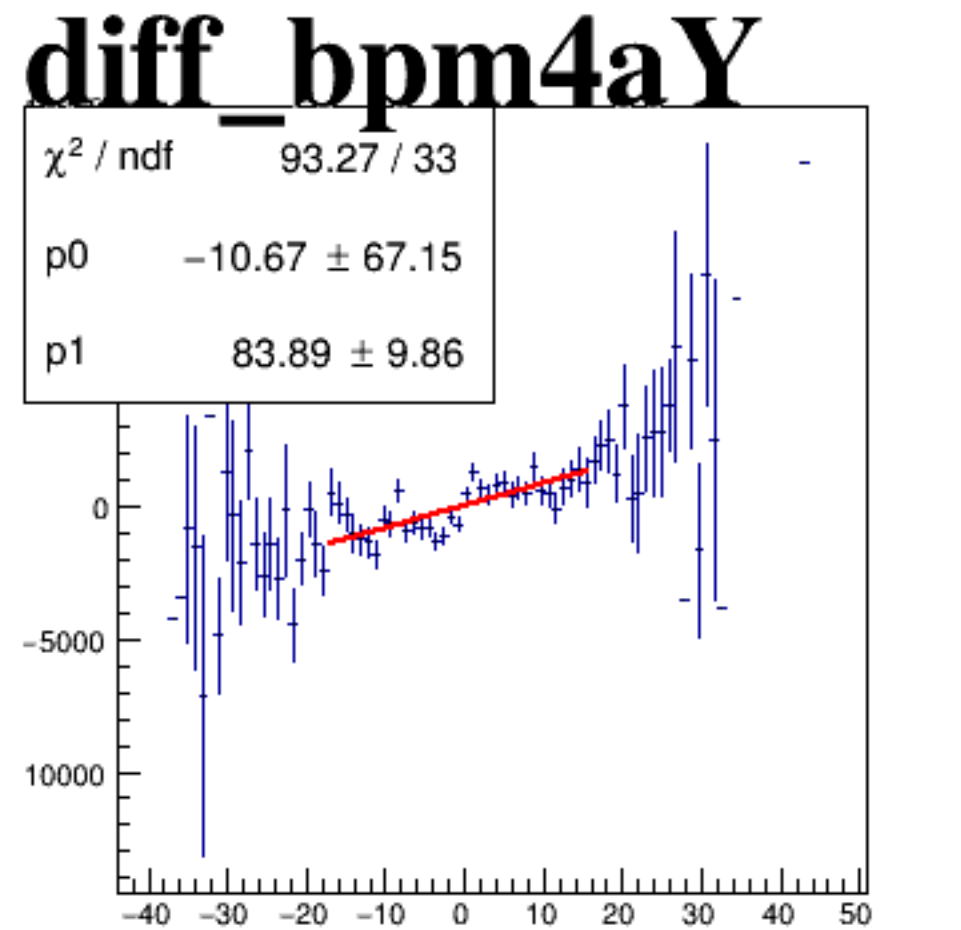
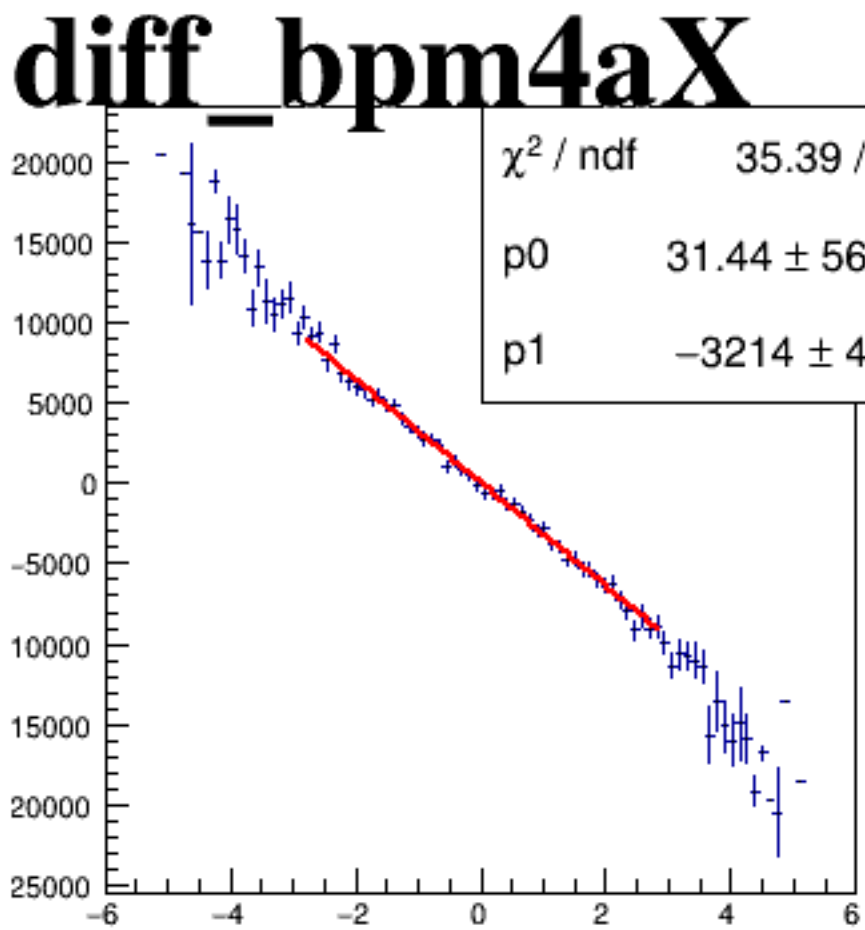
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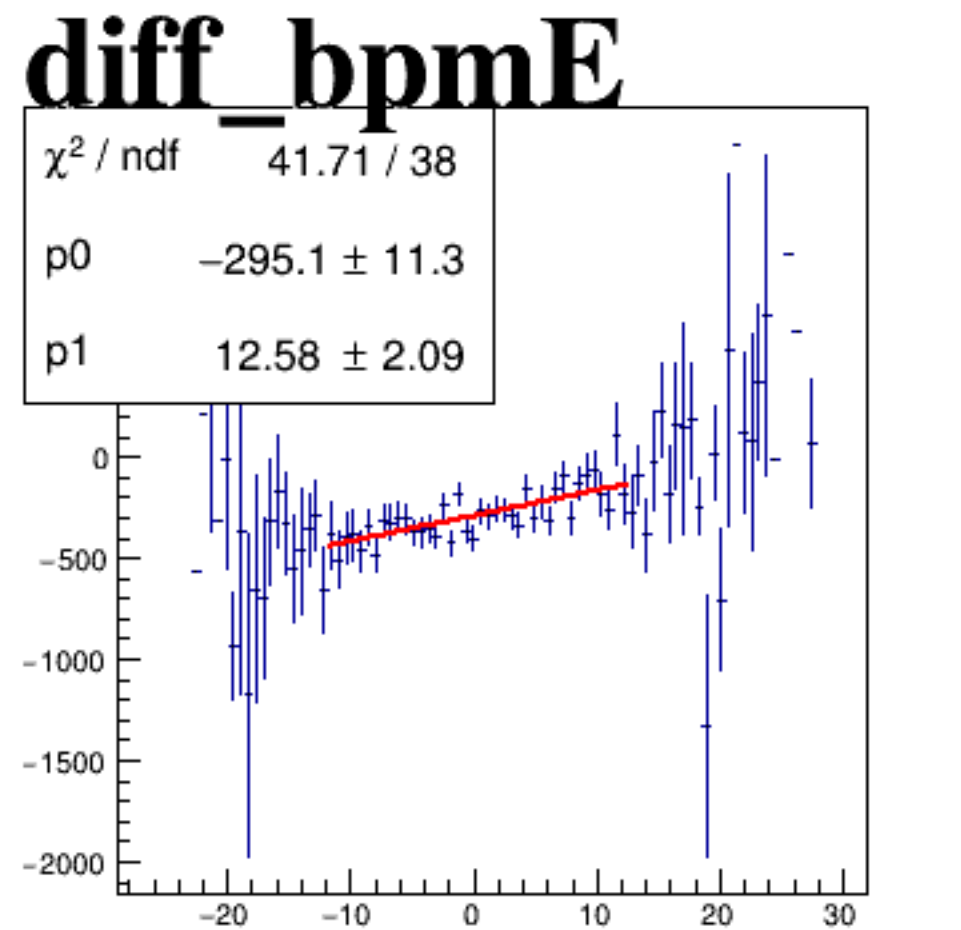
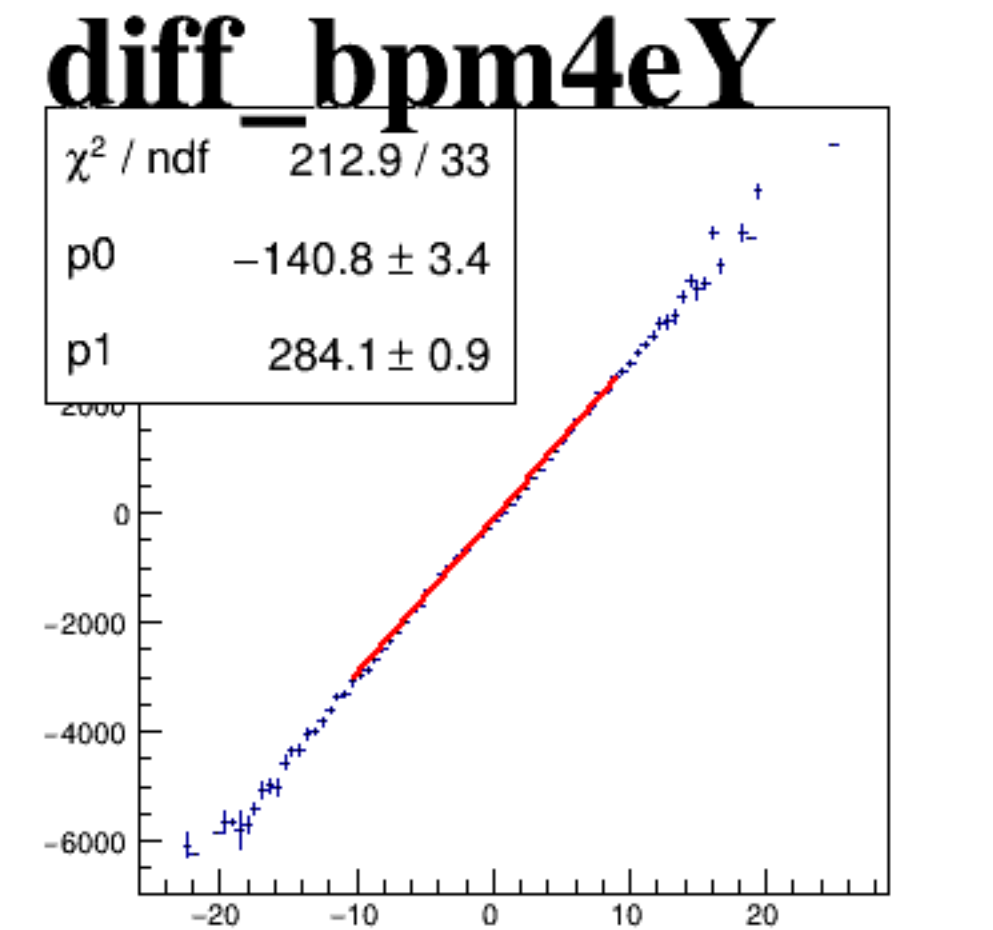
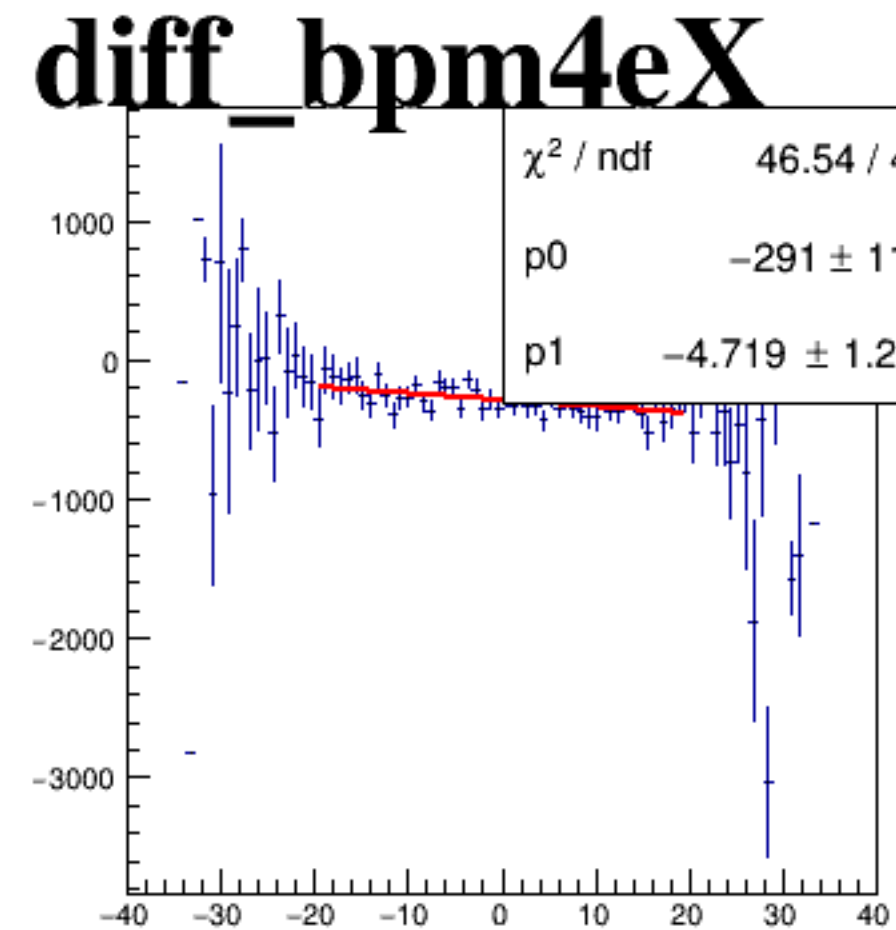
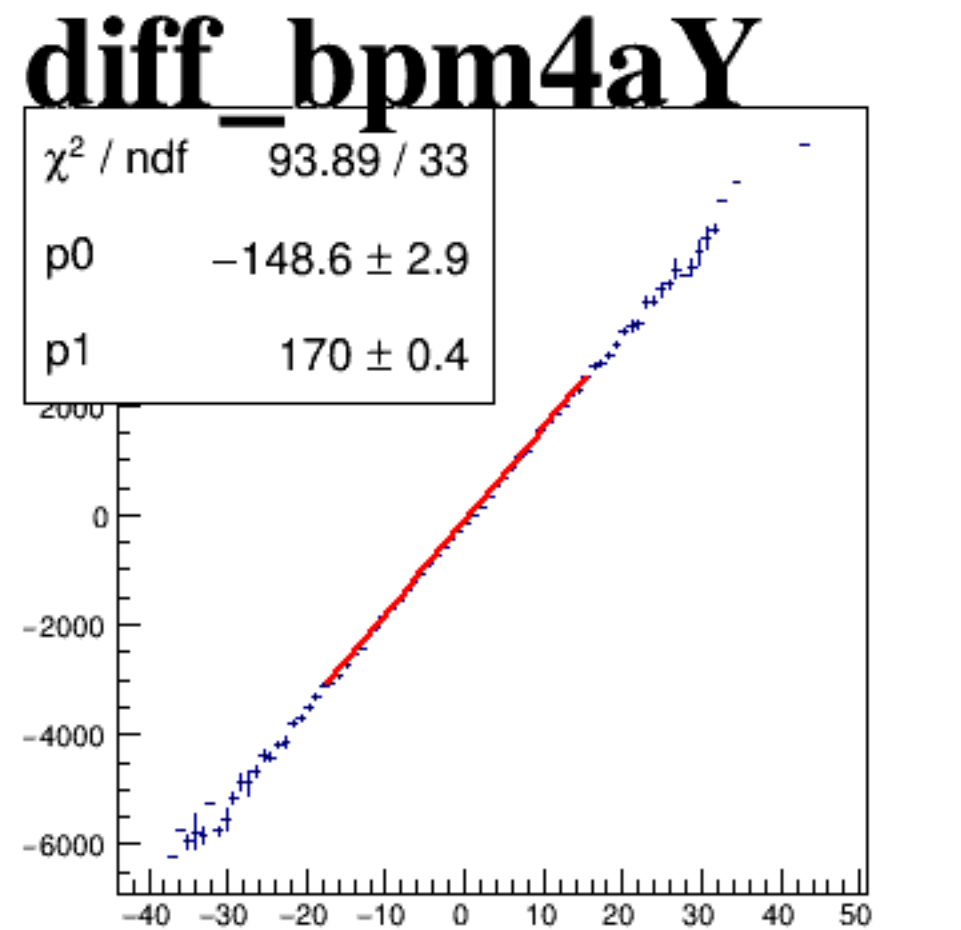
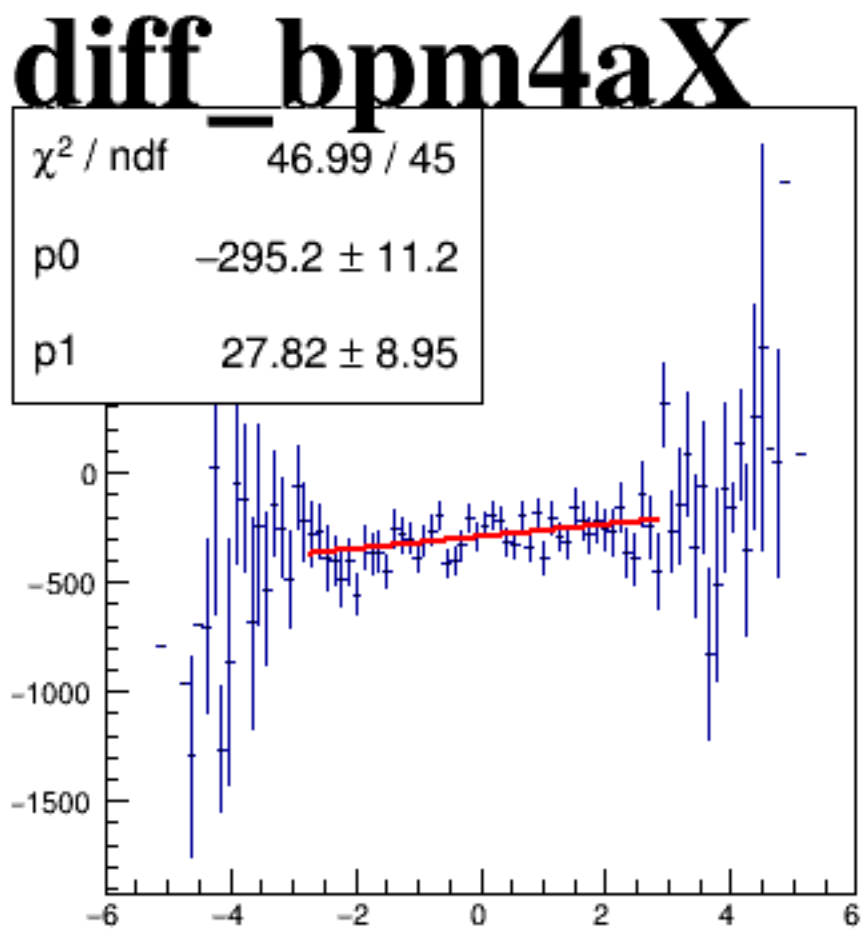
asym_sam1



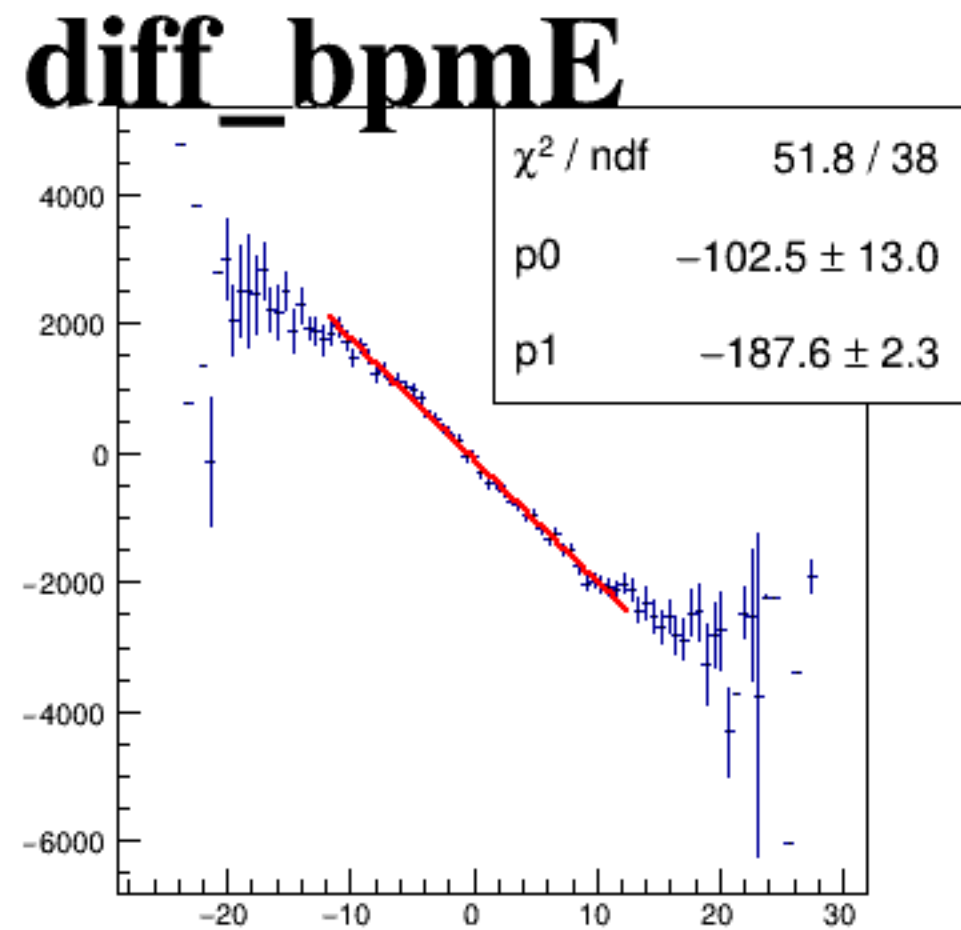
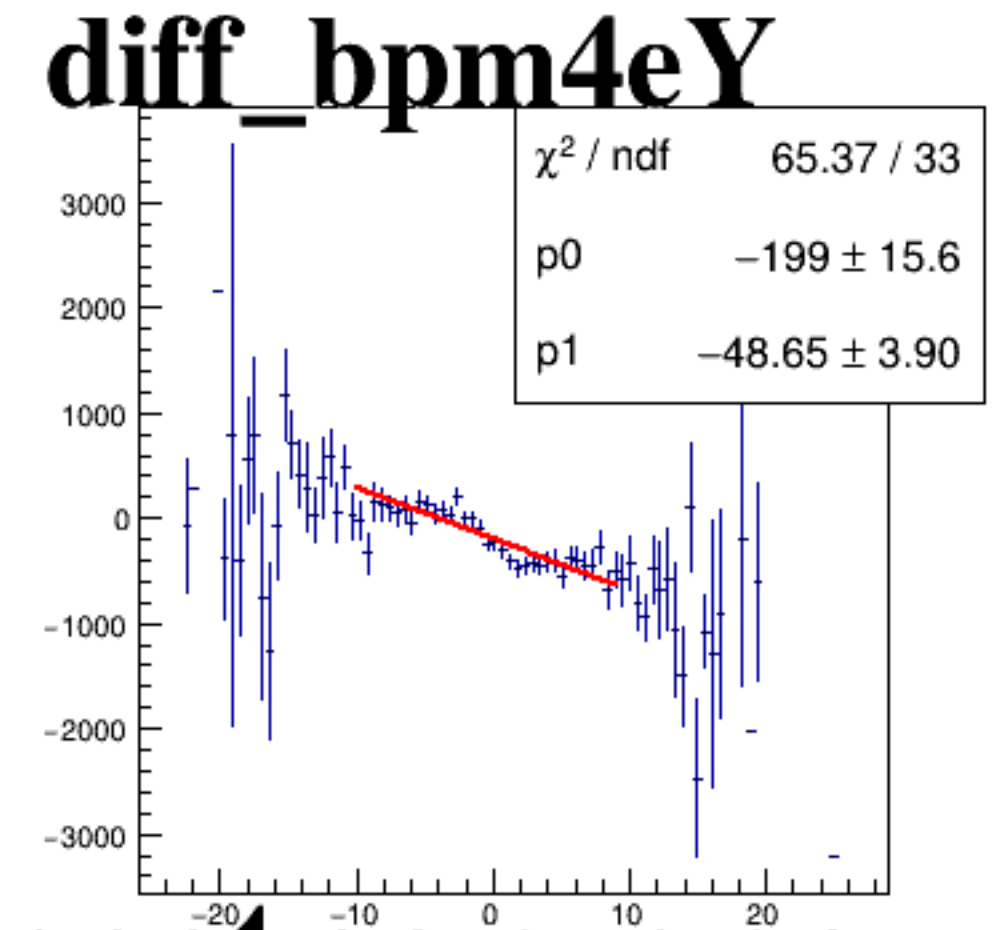
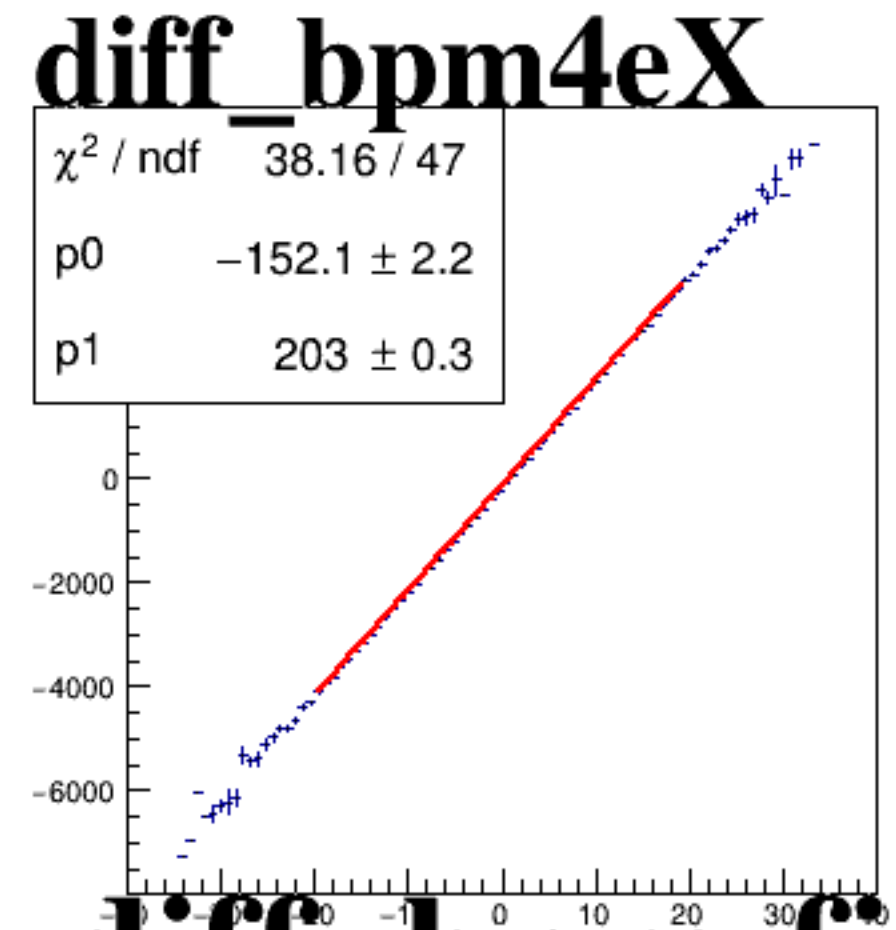
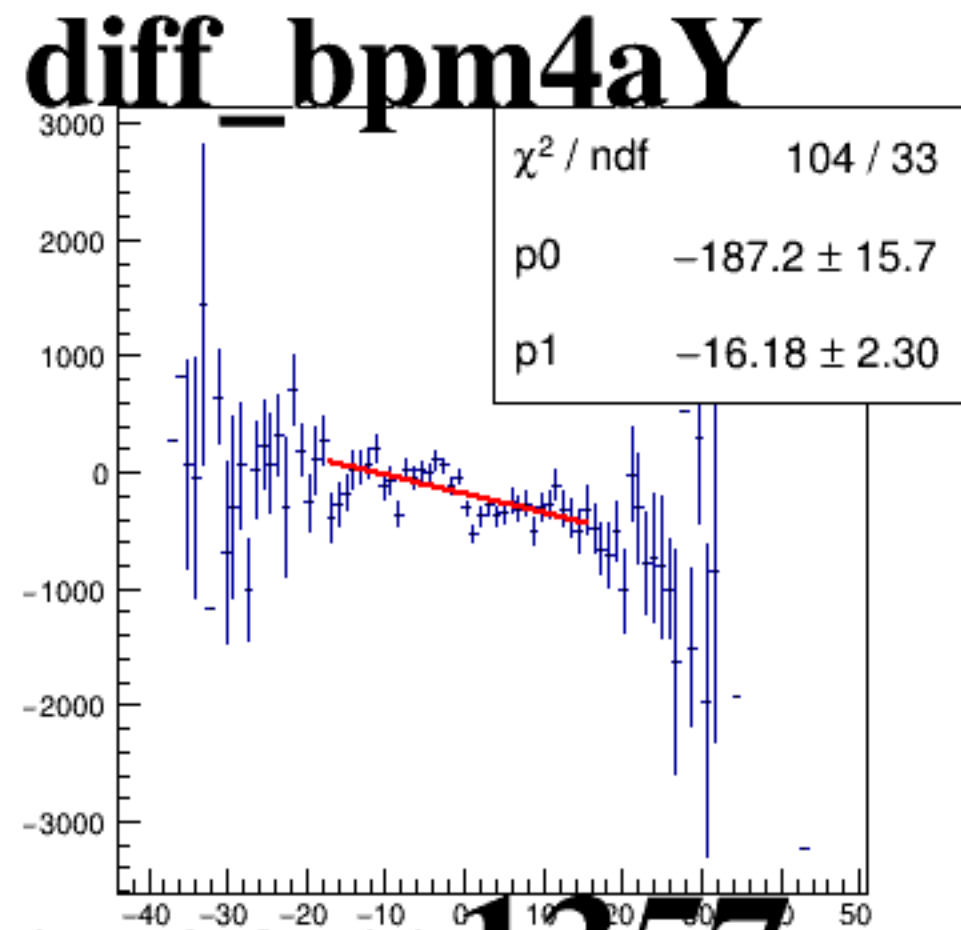
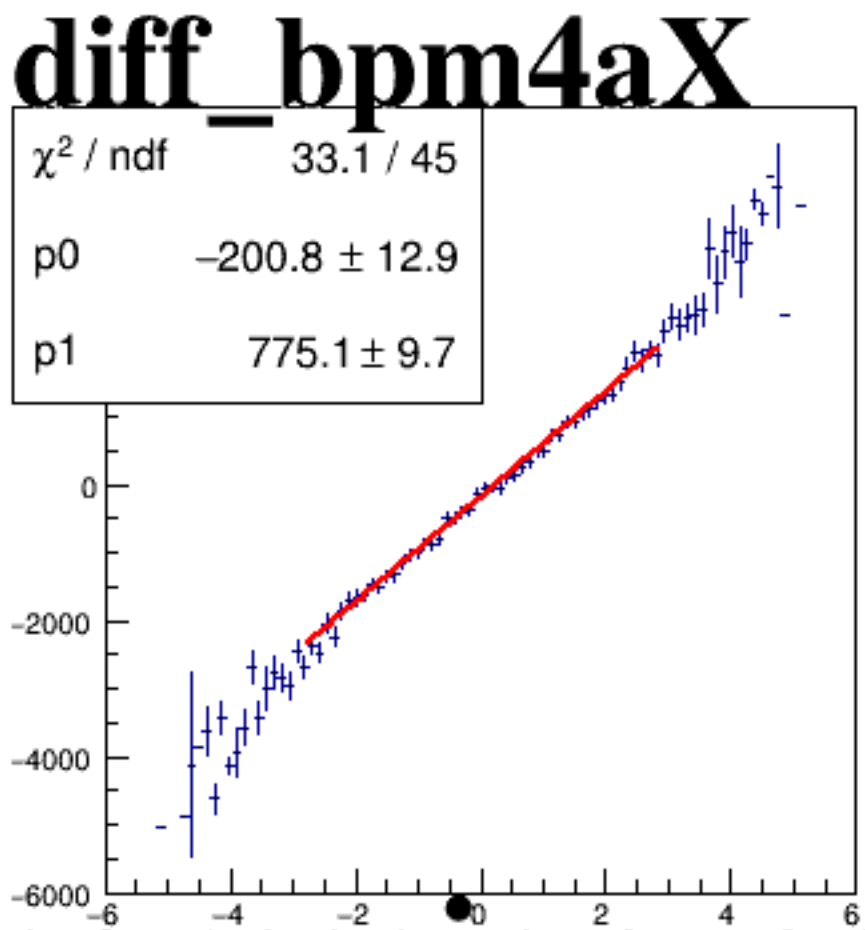
asym_sam3



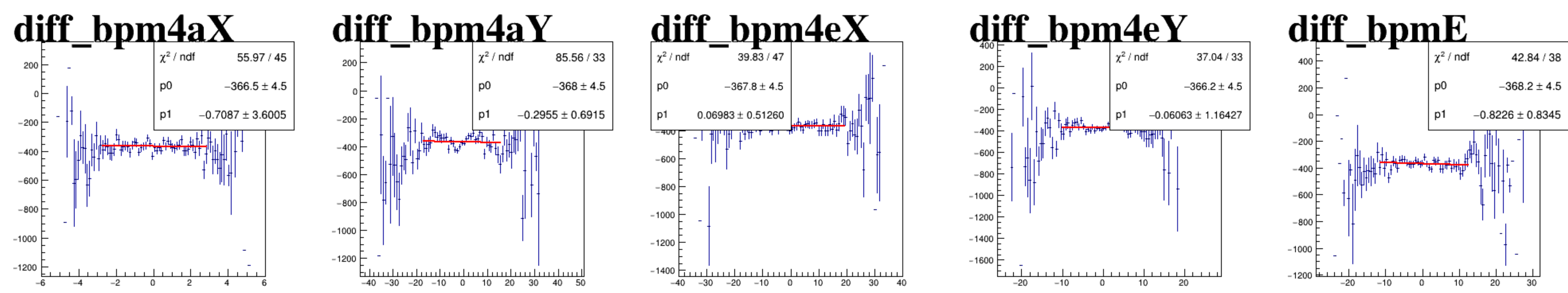
asym_sam5



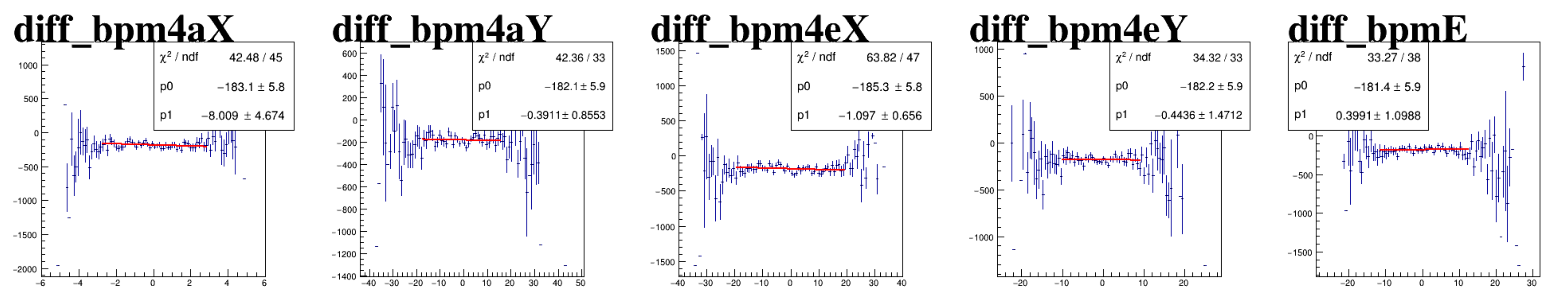
asym_sam7



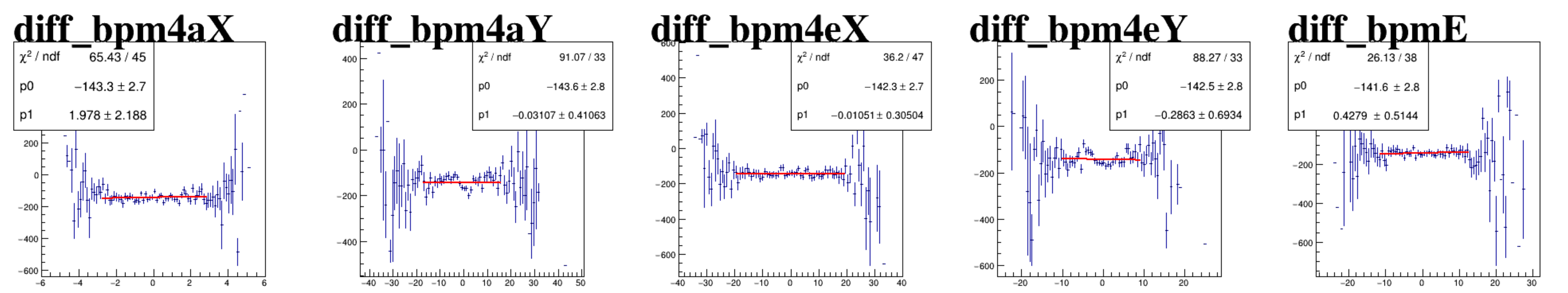
reg_asym_sam1



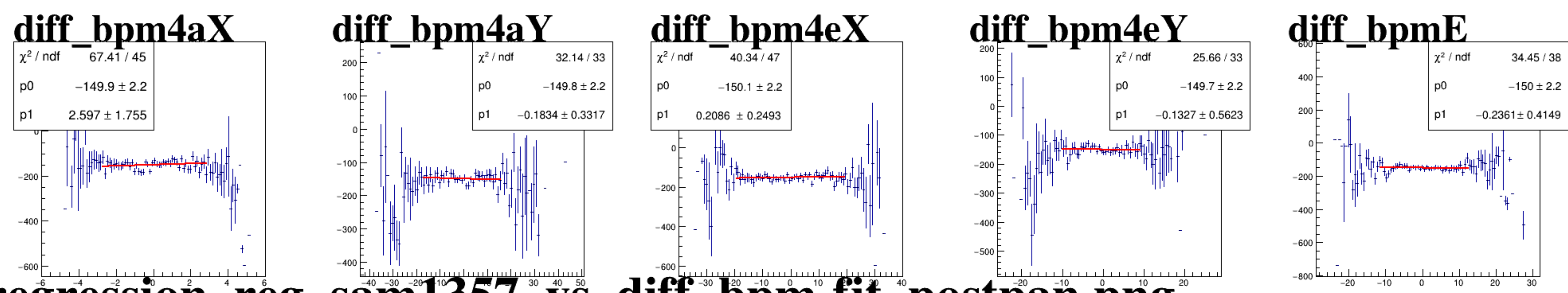
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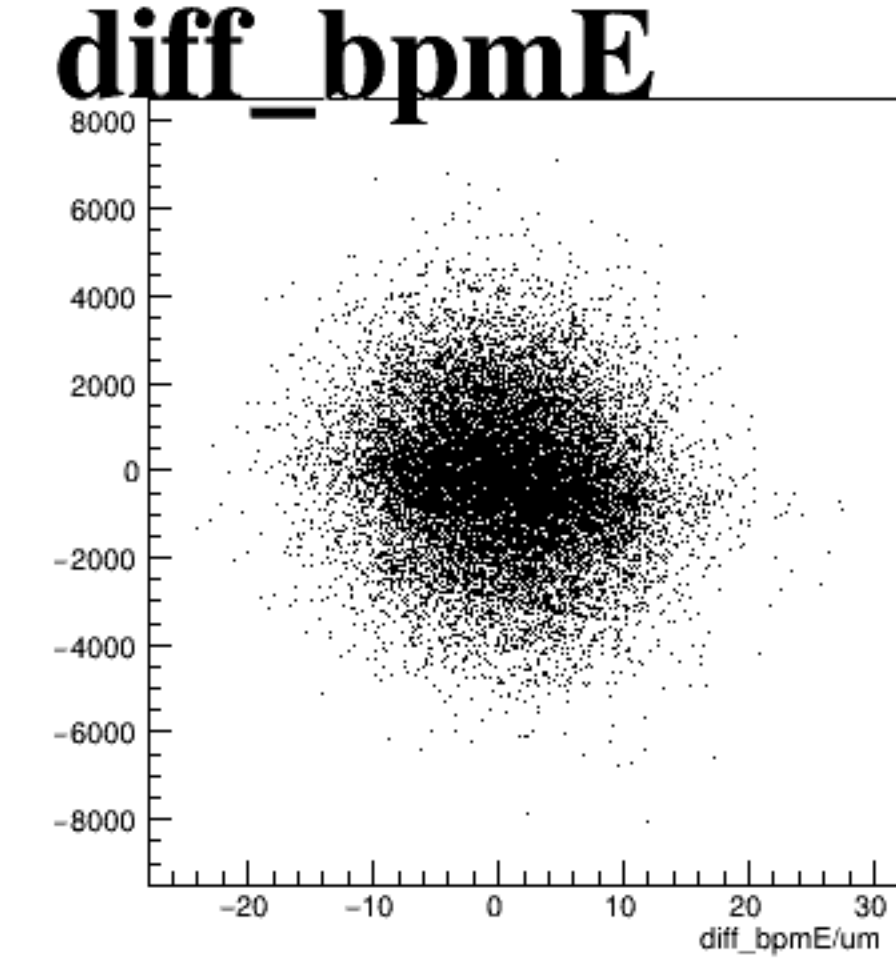
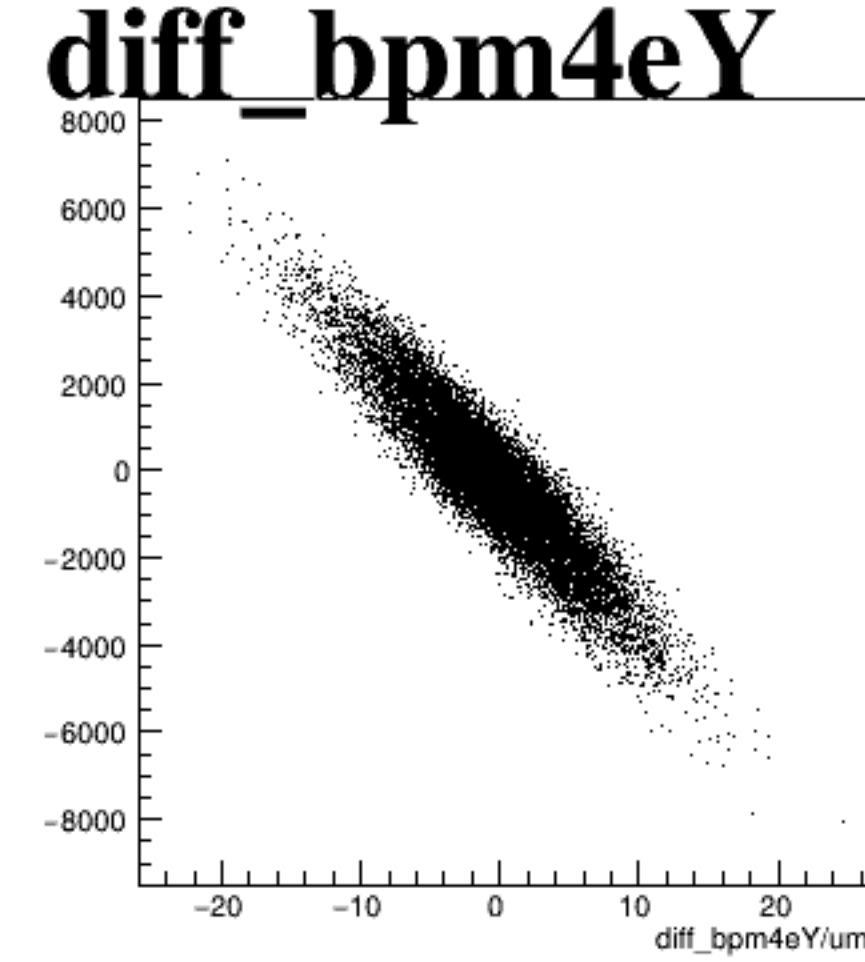
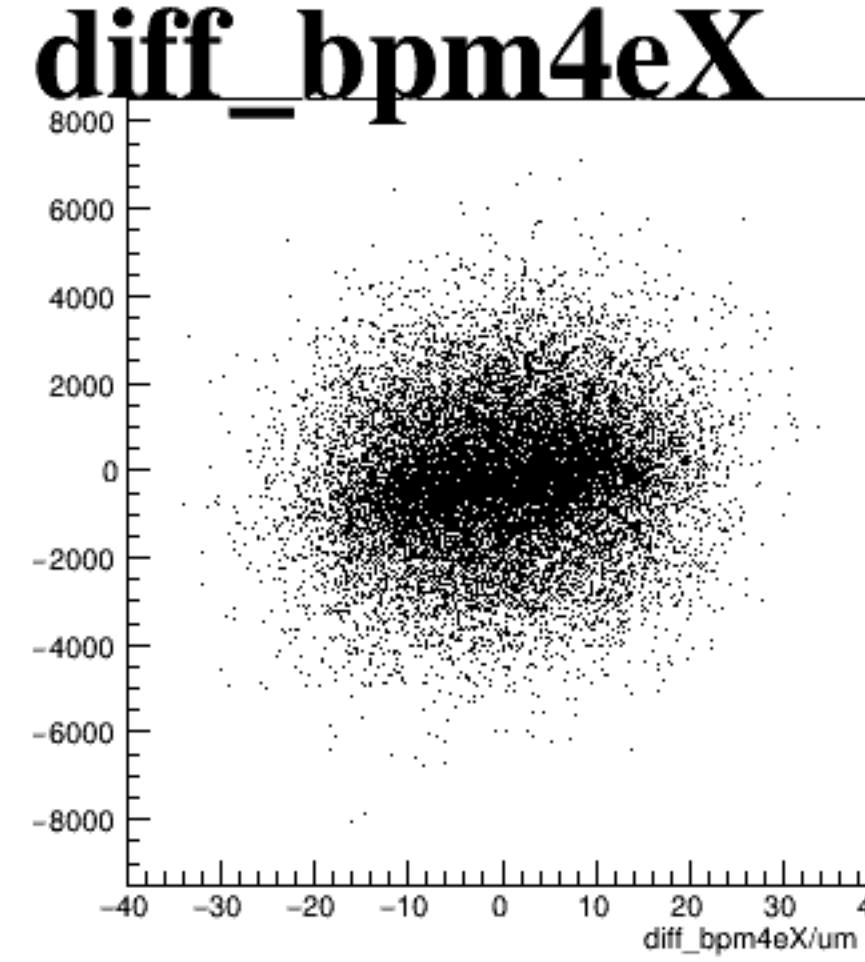
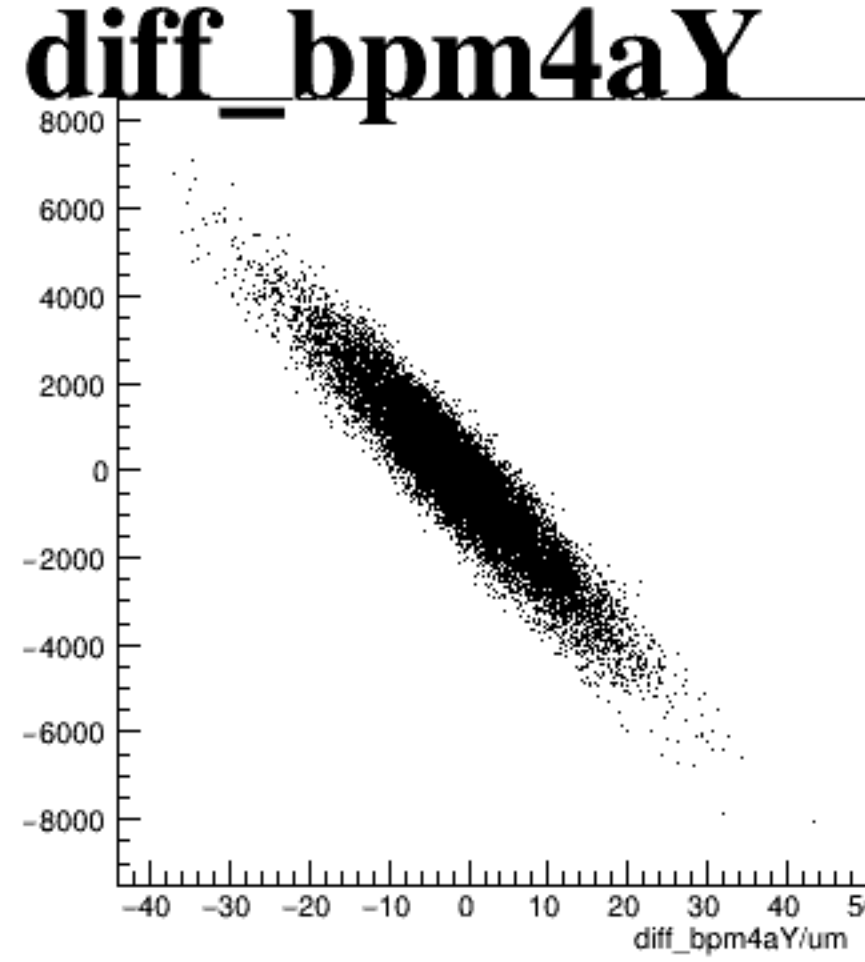
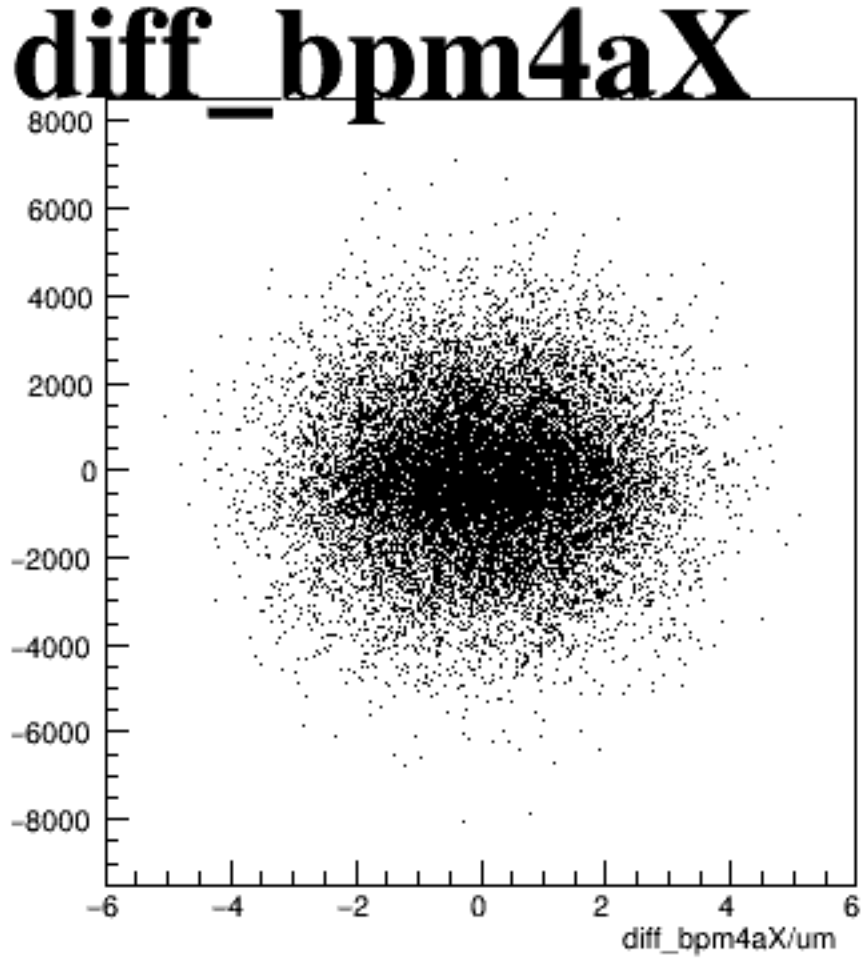
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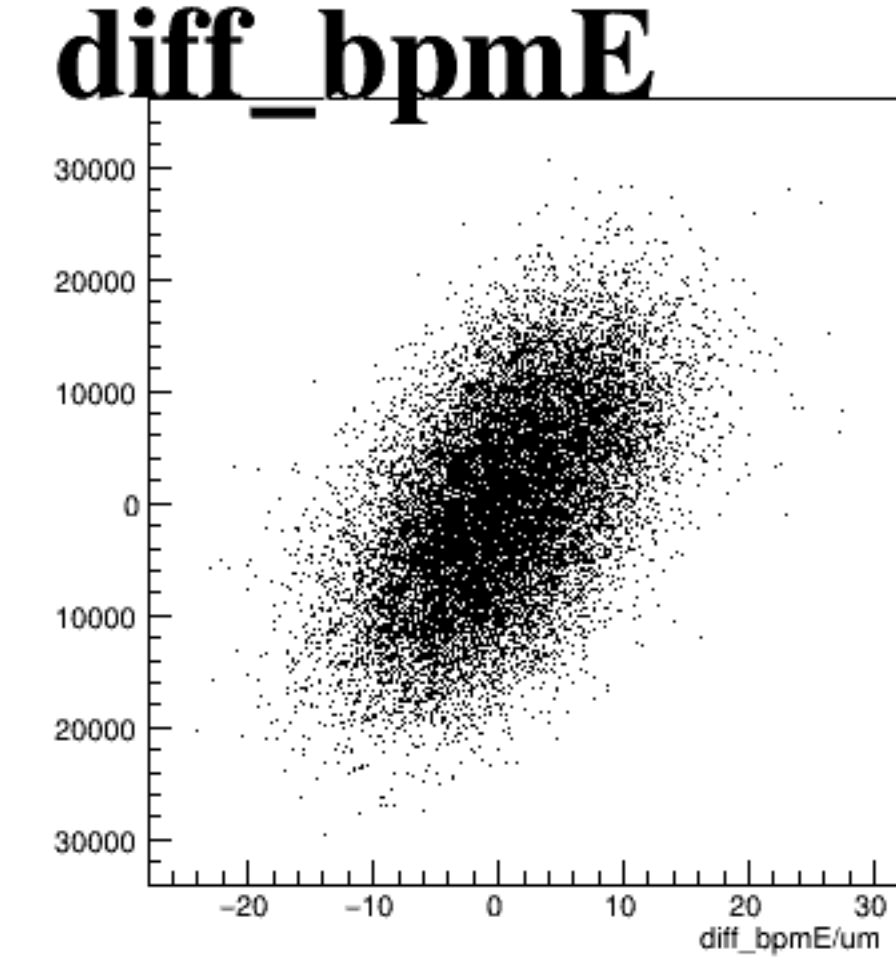
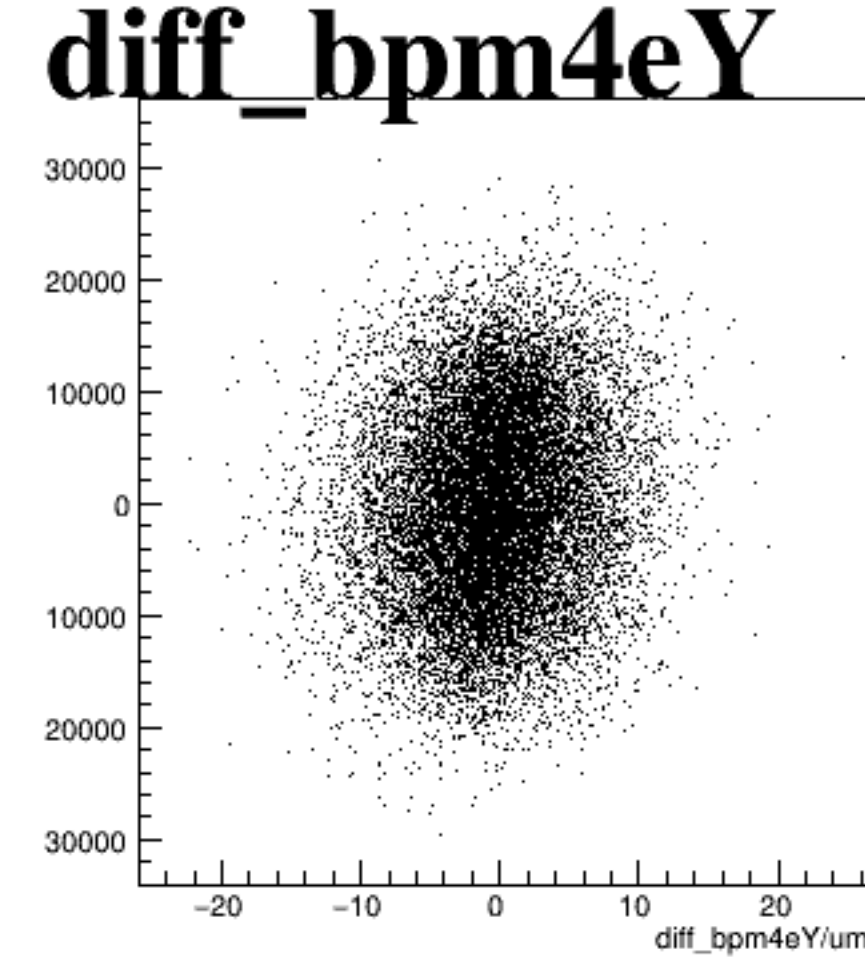
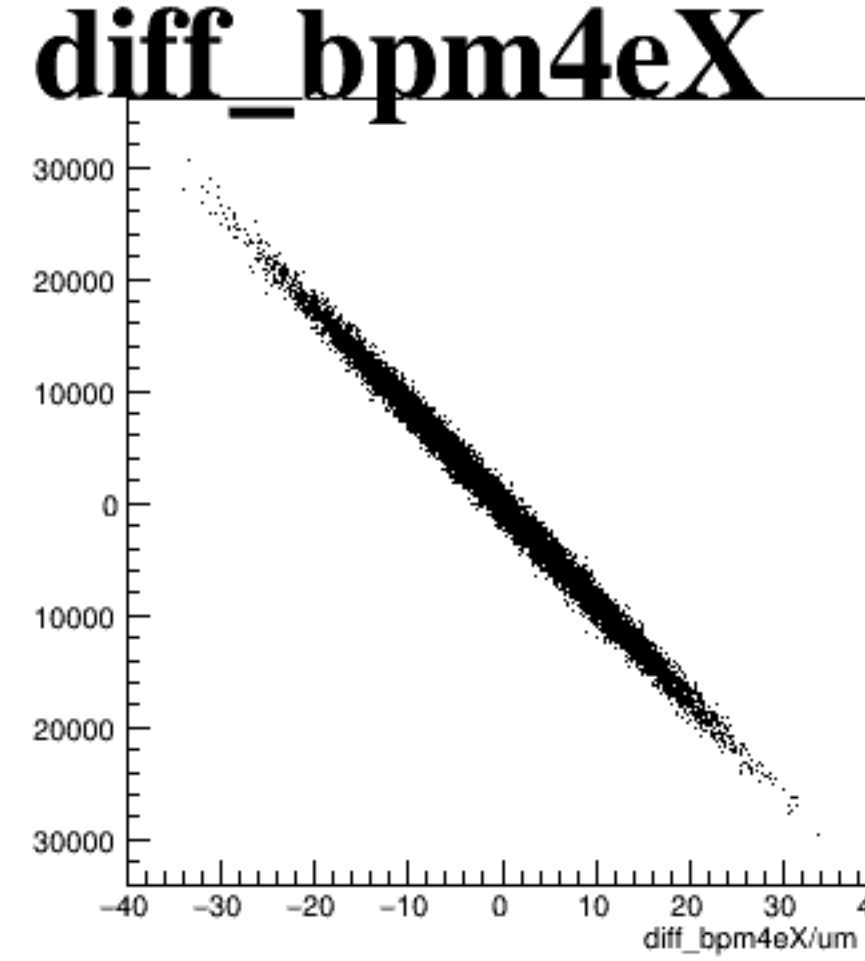
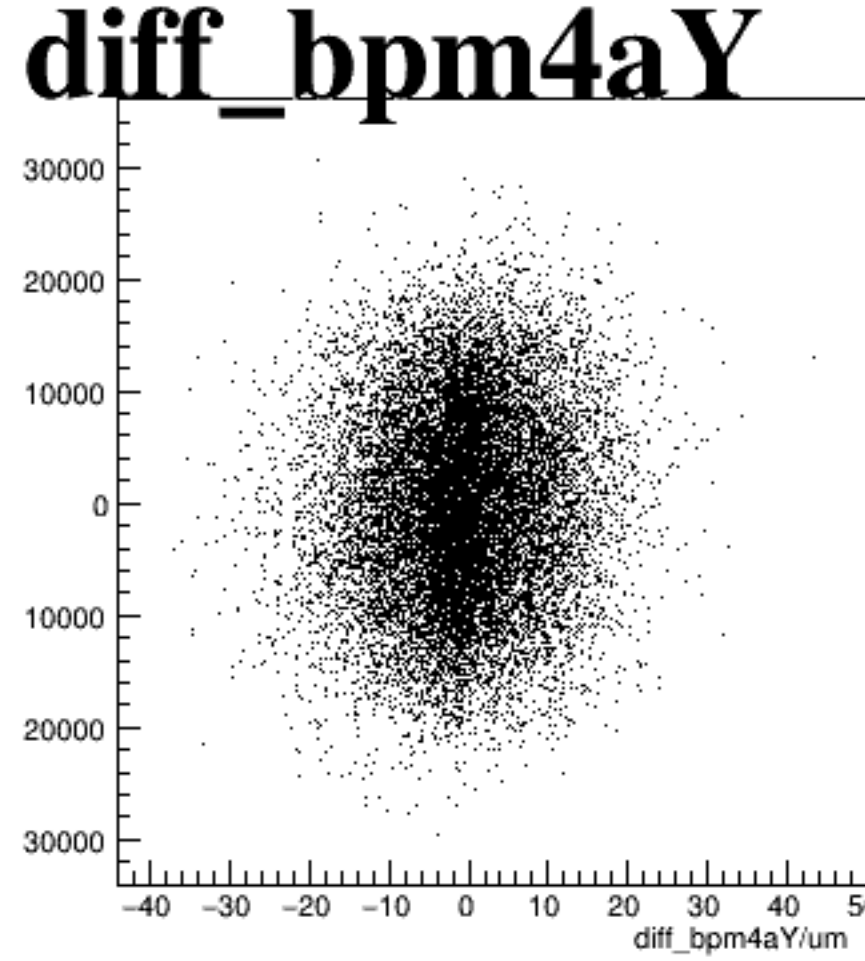
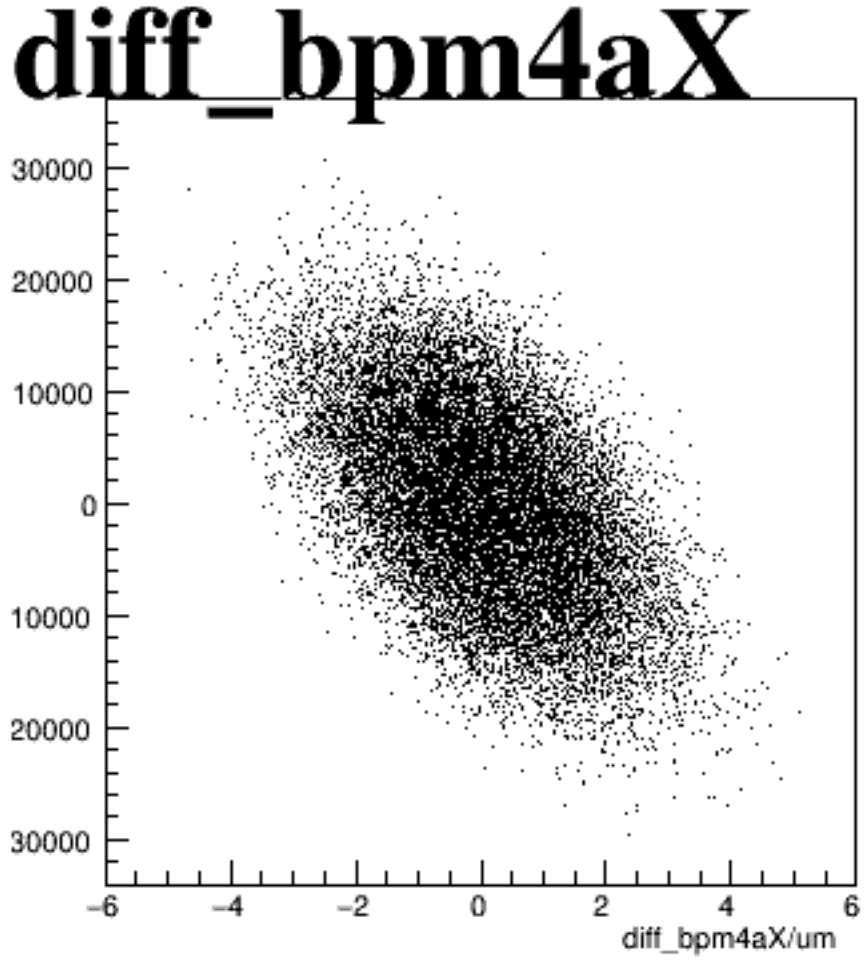
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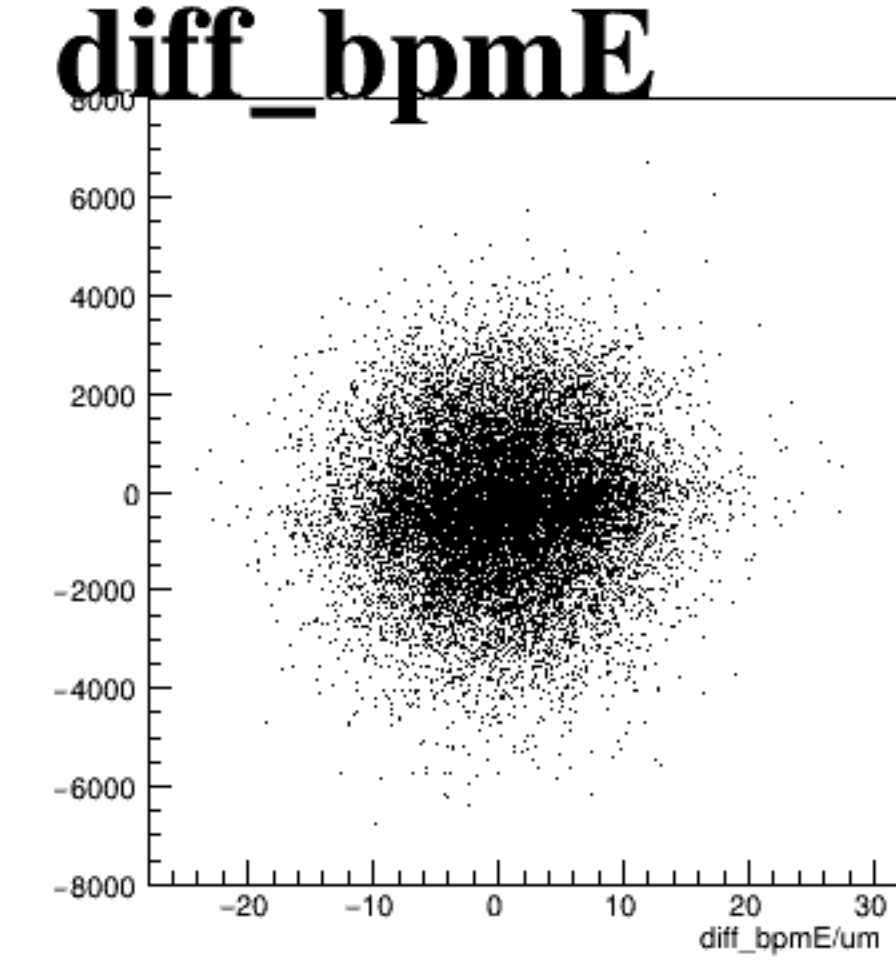
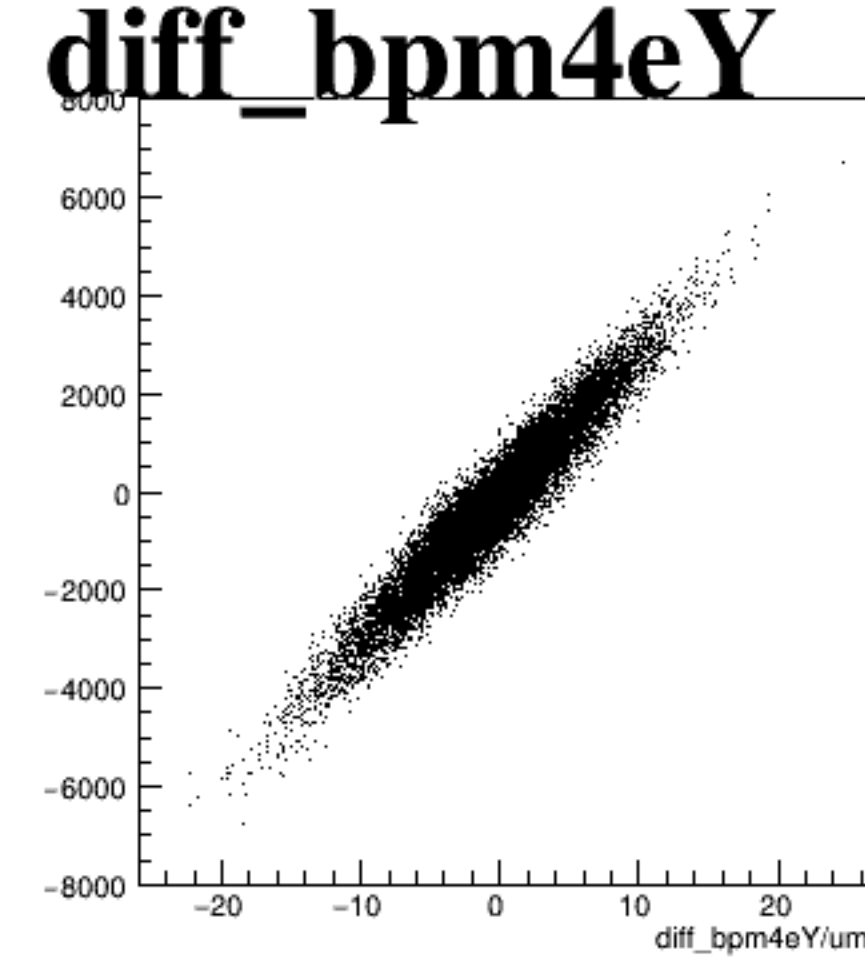
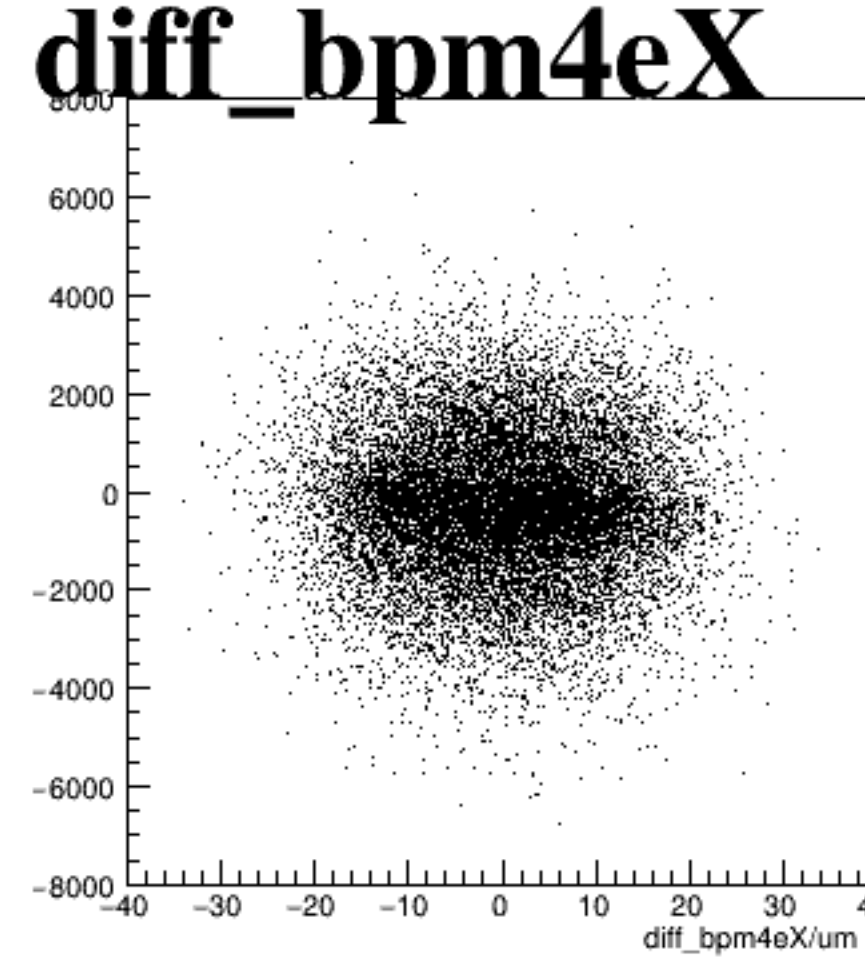
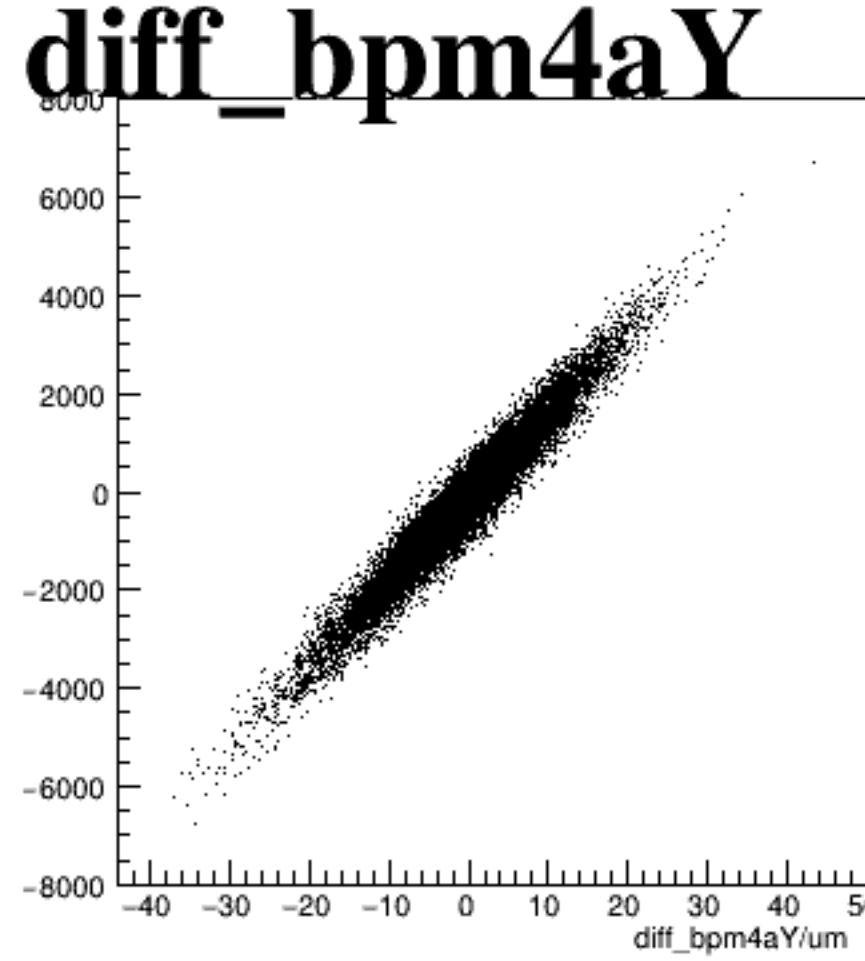
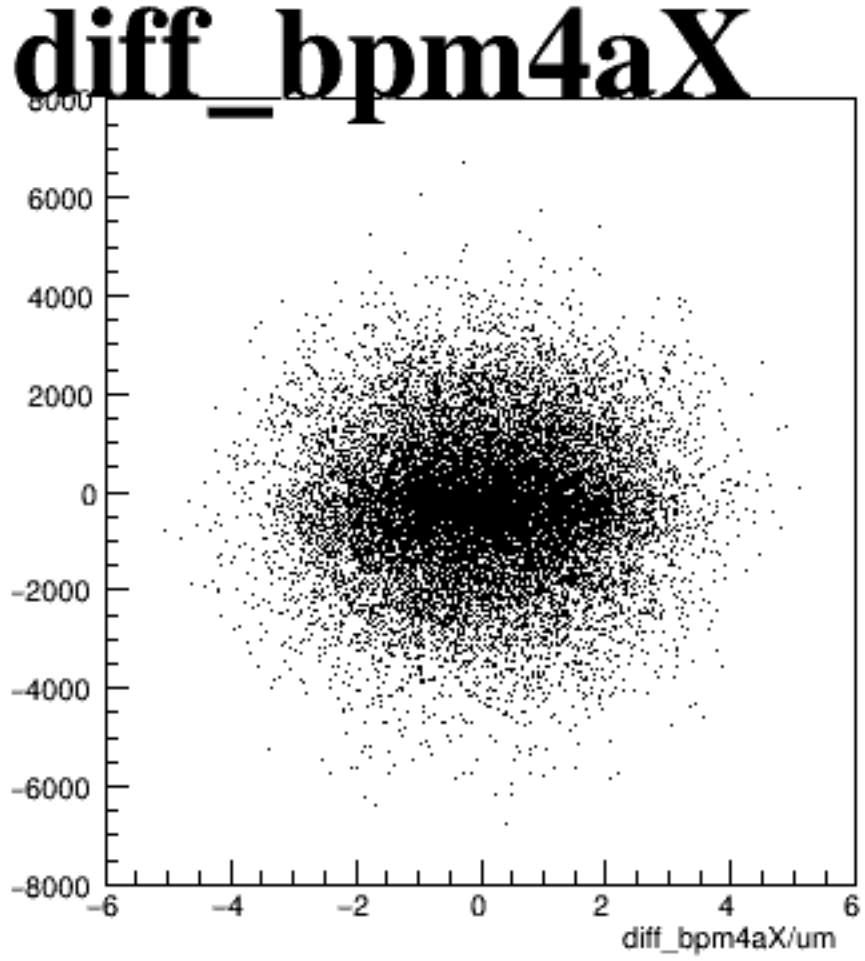
asym_sam1



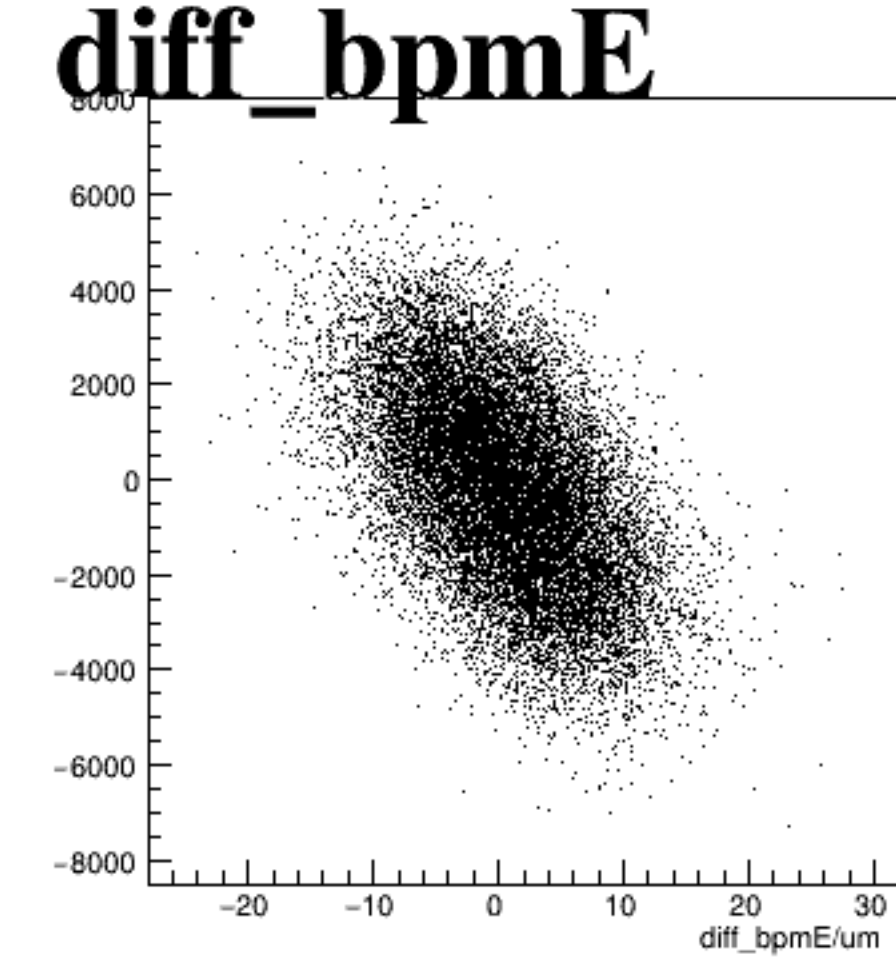
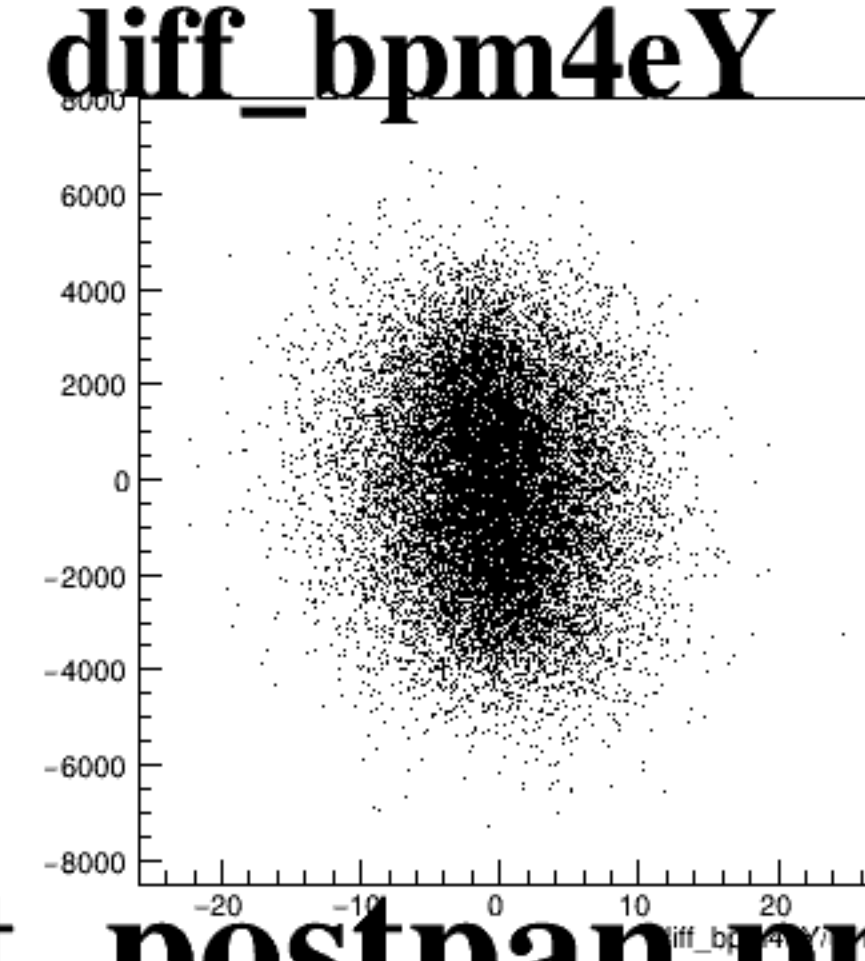
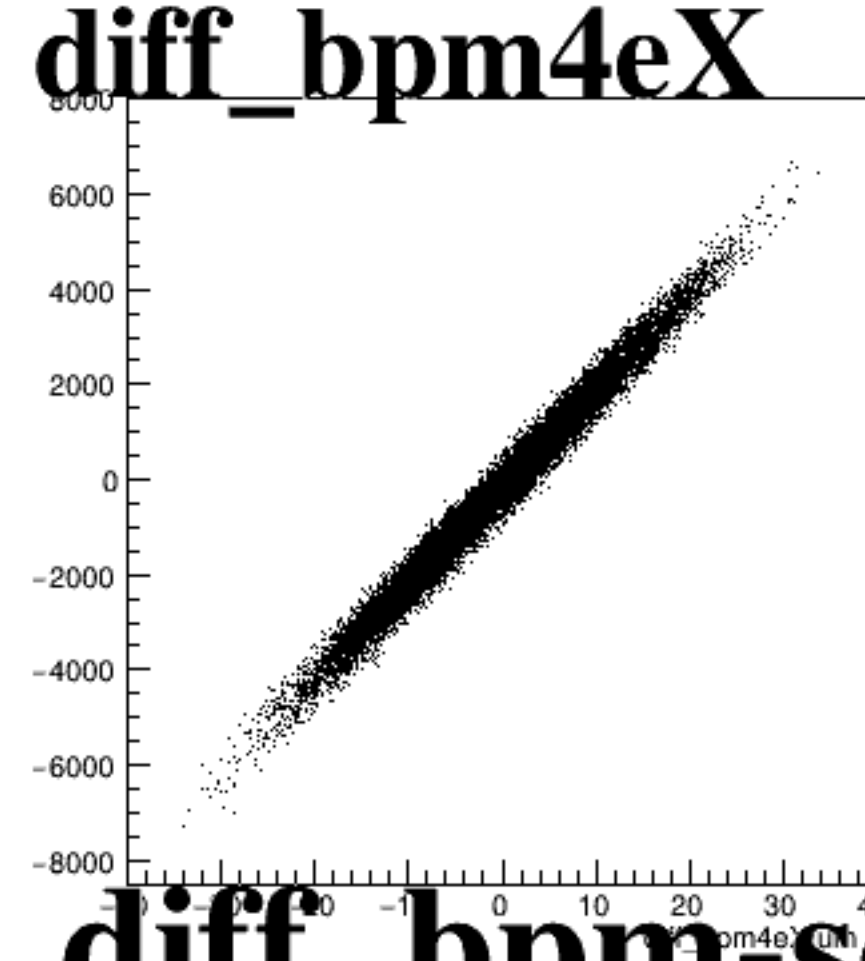
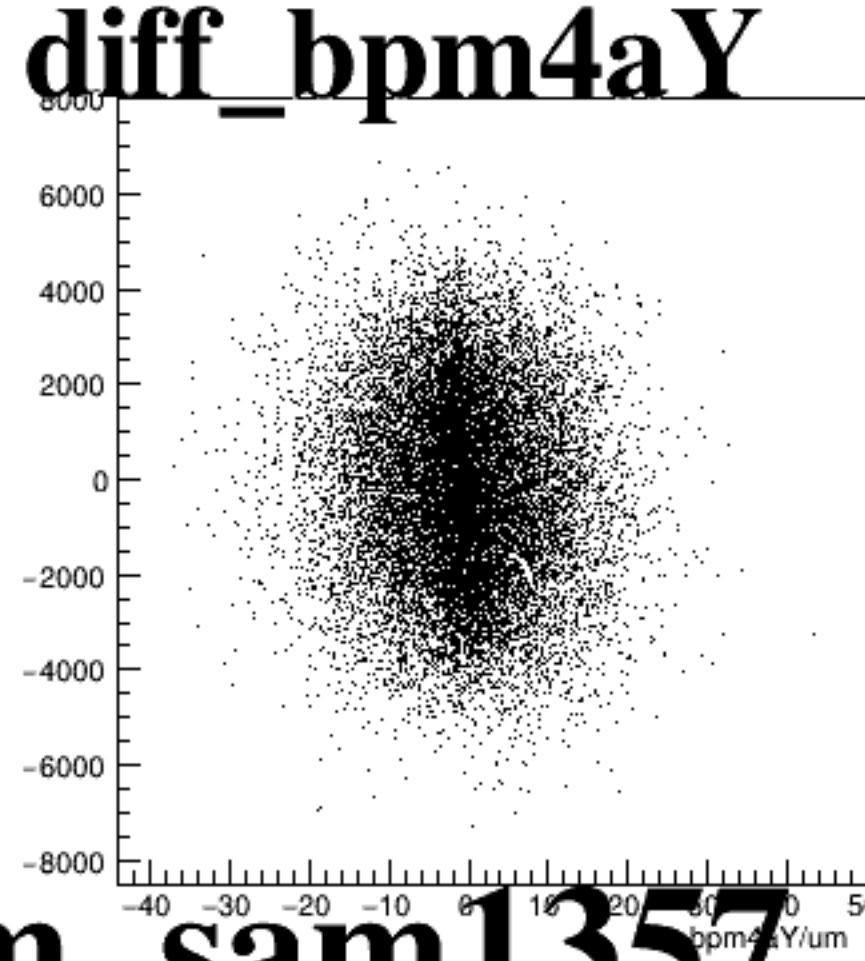
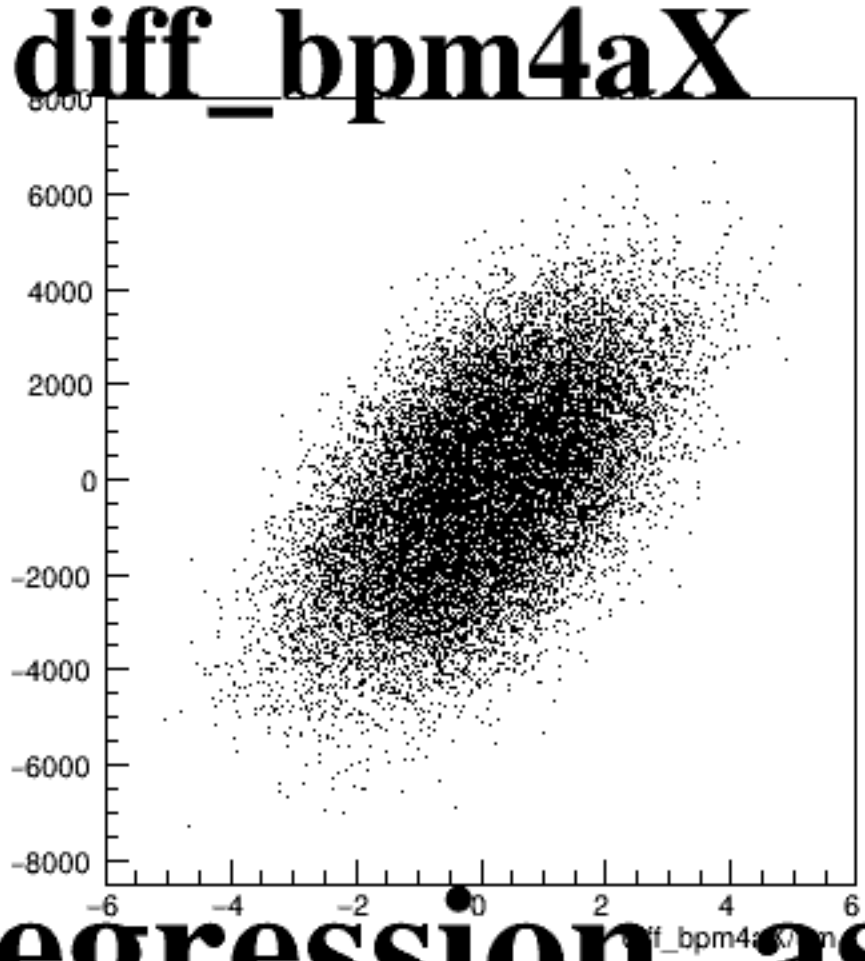
asym_sam3



asym_sam5



asym_sam7



The figure displays five scatter plots, each representing the distribution of differences in BPM parameters for a specific beam parameter. The plots are arranged horizontally and labeled as follows:

- diff_bpm4aX**: The x-axis is labeled $\text{diff_bpm4aX}/\mu\text{m}$ and ranges from -6 to 6. The y-axis ranges from -2500 to 1500.
- diff_bpm4aY**: The x-axis is labeled $\text{diff_bpm4aY}/\mu\text{m}$ and ranges from -40 to 50. The y-axis ranges from -2500 to 1500.
- diff_bpm4eX**: The x-axis is labeled $\text{diff_bpm4eX}/\mu\text{m}$ and ranges from -40 to 40. The y-axis ranges from -2500 to 1500.
- diff_bpm4eY**: The x-axis is labeled $\text{diff_bpm4eY}/\mu\text{m}$ and ranges from -20 to 20. The y-axis ranges from -2500 to 1500.
- diff_bpmE**: The x-axis is labeled $\text{diff_bpmE}/\mu\text{m}$ and ranges from -20 to 30. The y-axis ranges from -2500 to 1500.

Each plot shows a dense cloud of points centered around zero, indicating that the differences are generally small and centered around zero.

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

- diff_bpm4aX**: The x-axis is labeled $\text{diff_bpm4aX}/\mu\text{m}$ and ranges from -6 to 6. The y-axis ranges from -3000 to 3000.
- diff_bpm4aY**: The x-axis is labeled $\text{diff_bpm4aY}/\mu\text{m}$ and ranges from -40 to 50. The y-axis ranges from -3000 to 3000.
- diff_bpm4eX**: The x-axis is labeled $\text{diff_bpm4eX}/\mu\text{m}$ and ranges from -40 to 40. The y-axis ranges from -3000 to 3000.
- diff_bpm4eY**: The x-axis is labeled $\text{diff_bpm4eY}/\mu\text{m}$ and ranges from -20 to 30. The y-axis ranges from -3000 to 3000.
- diff_bpmE**: The x-axis is labeled $\text{diff_bpmE}/\mu\text{m}$ and ranges from -20 to 30. The y-axis ranges from -3000 to 3000.

All plots show a dense, roughly circular cloud of points centered around the origin (0,0), indicating that the differences are small and centered.

diff_bpm4aX

diff_bpm4aY

diff_bpm4eX

diff_bpm4eY

diff_bpmE

run3912_000_regression_reg_sam1357_vs_diff_bpm-scat_postpan.png