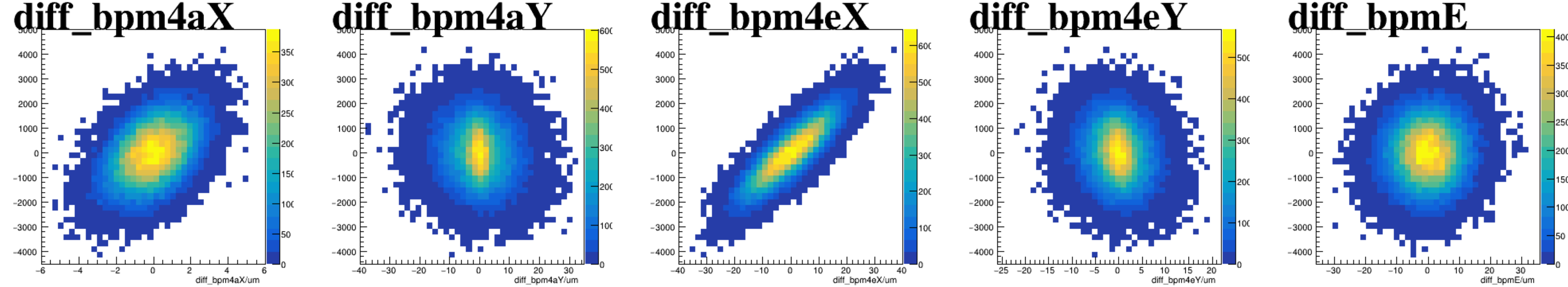
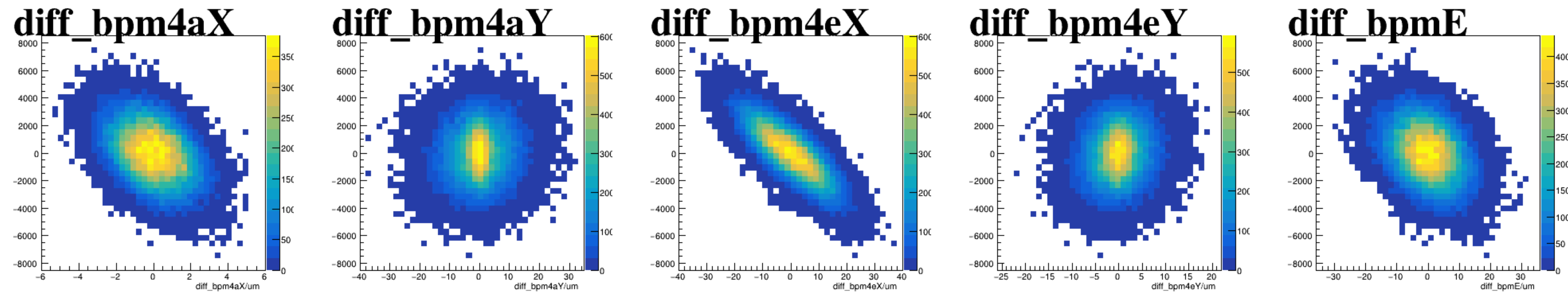


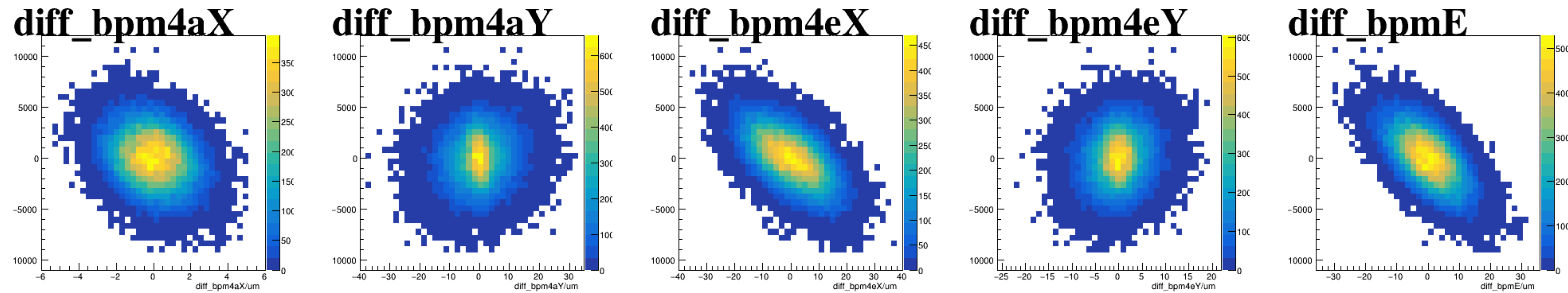
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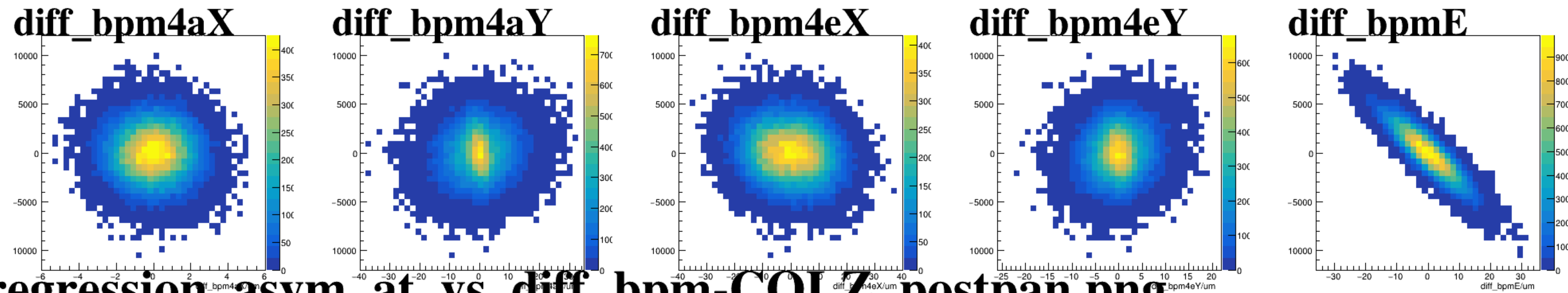
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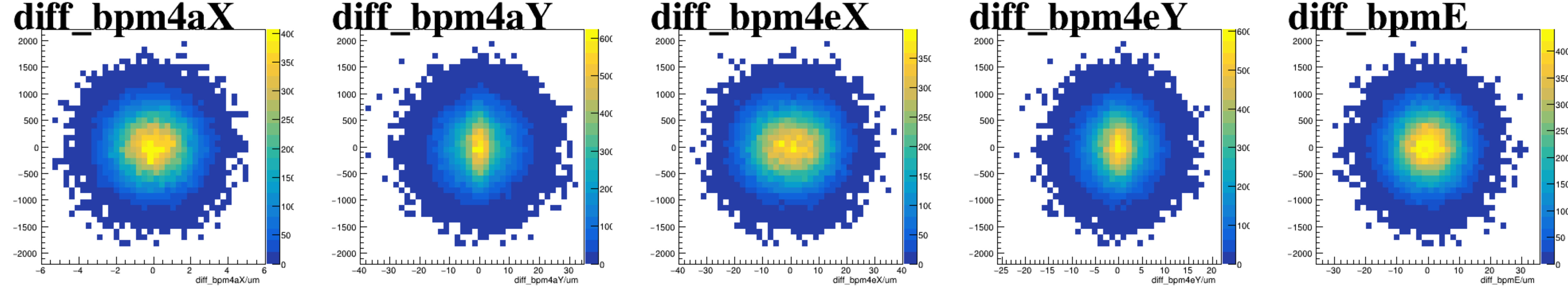
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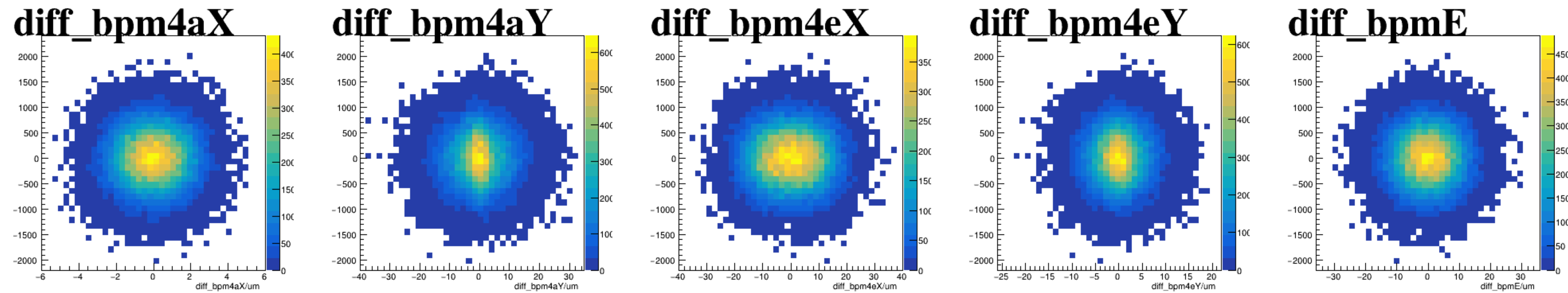
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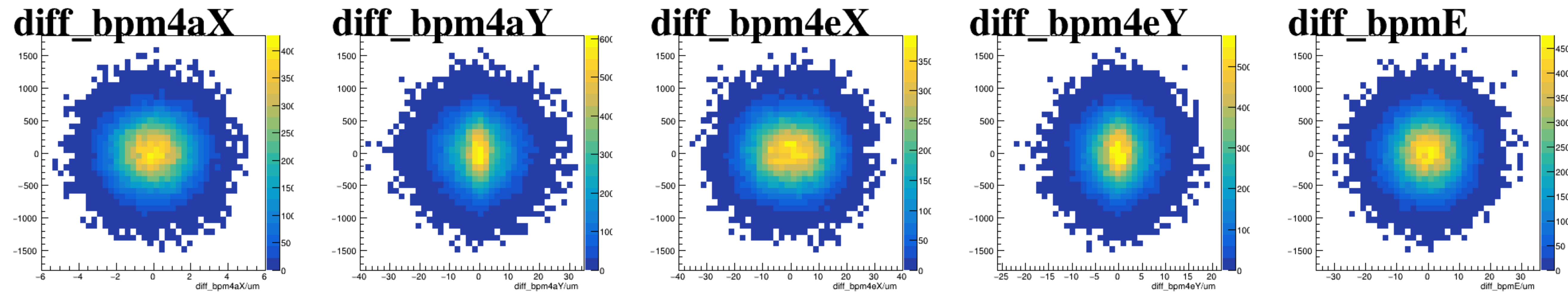
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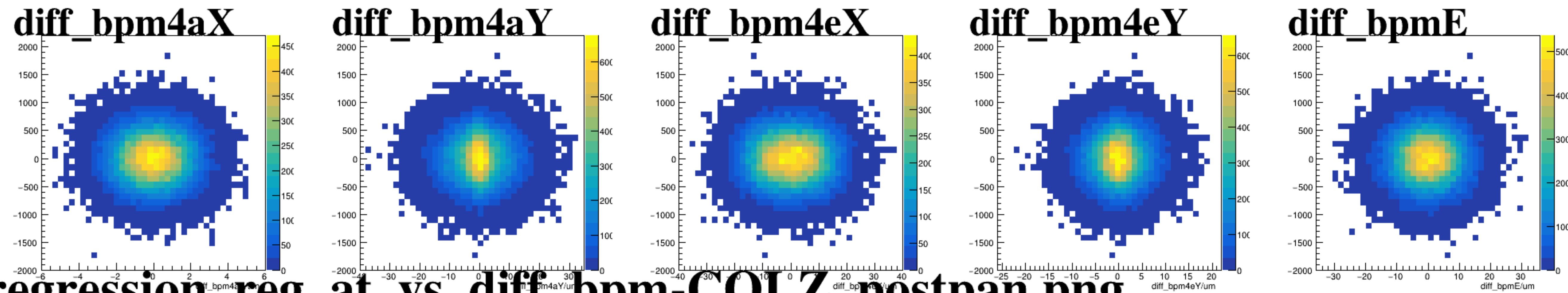
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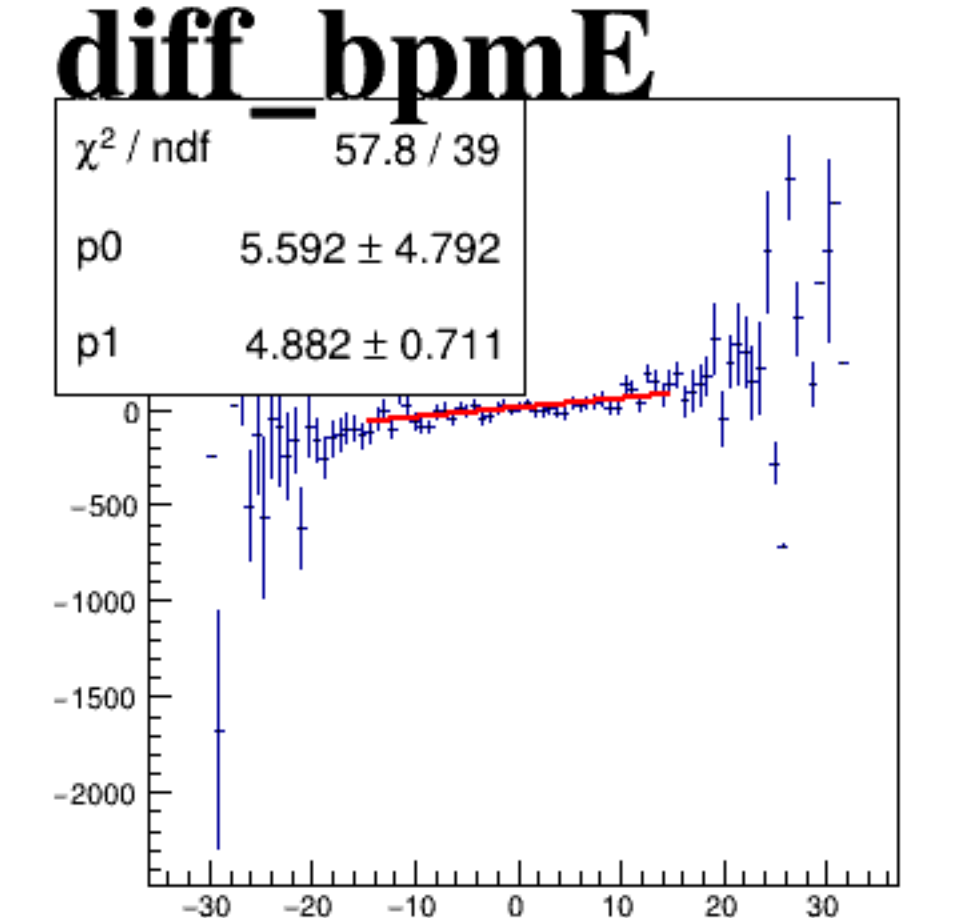
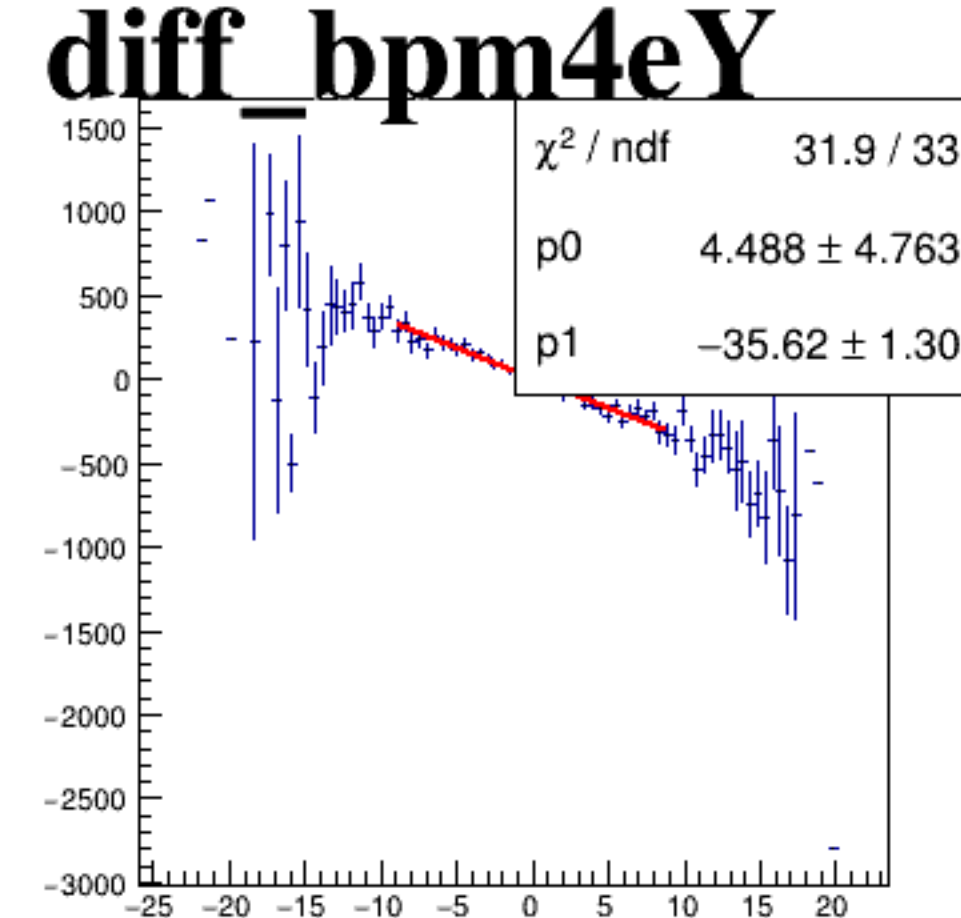
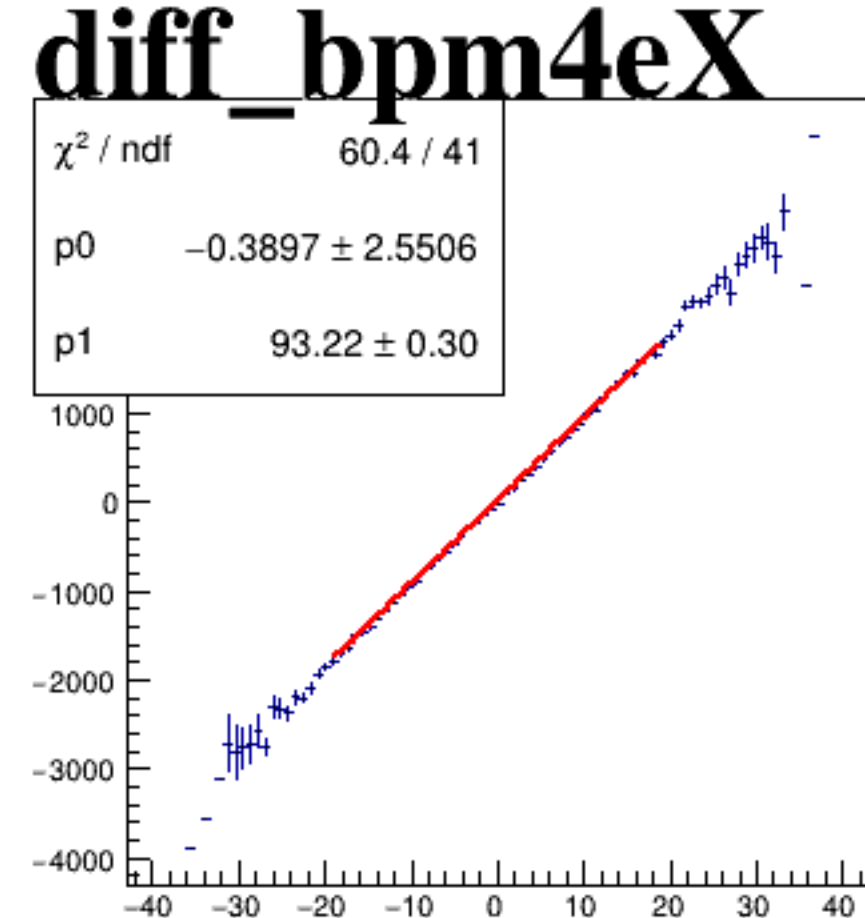
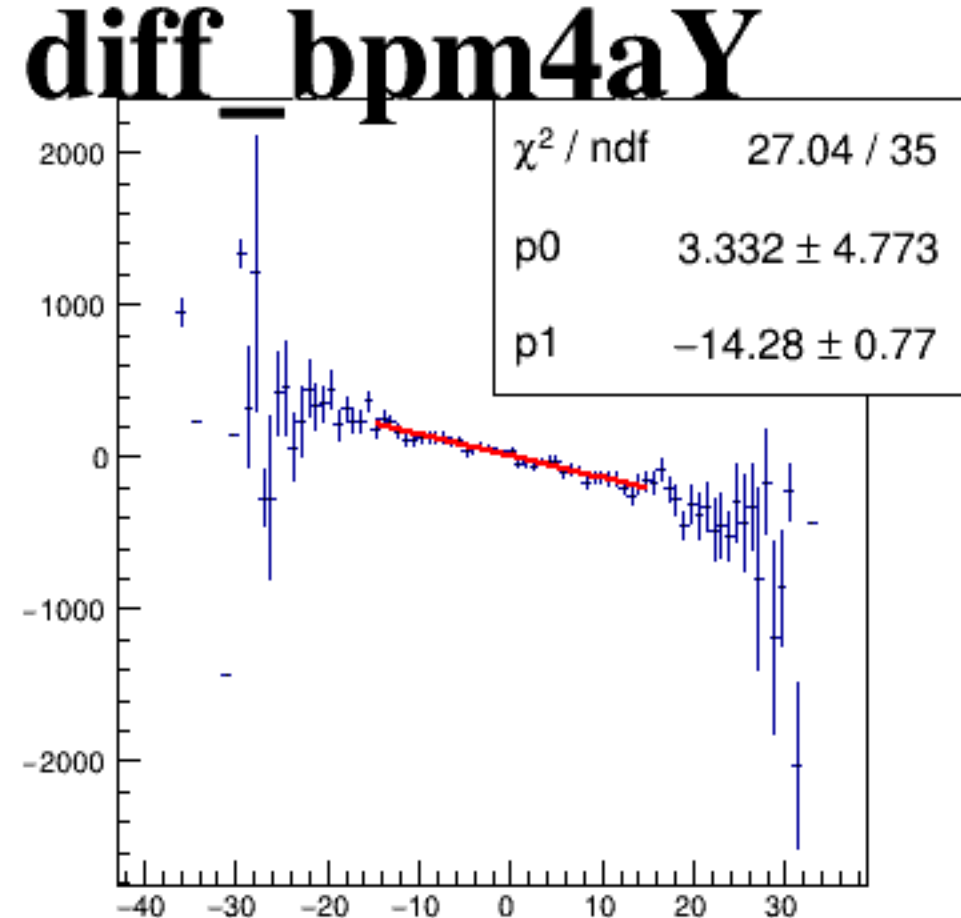
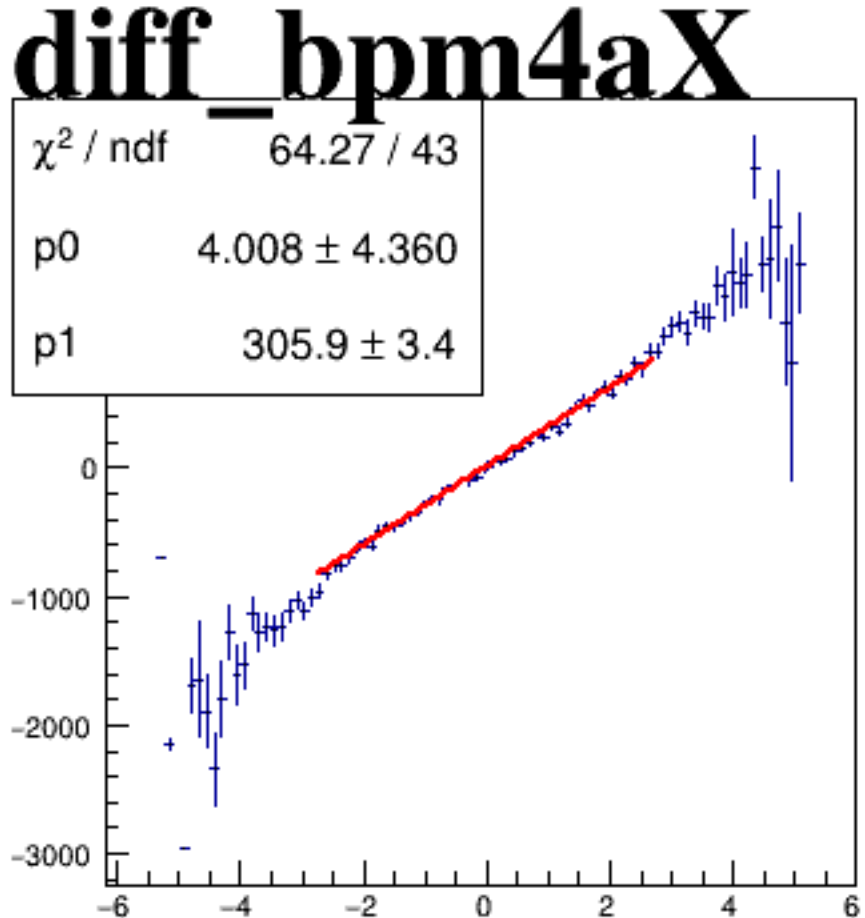
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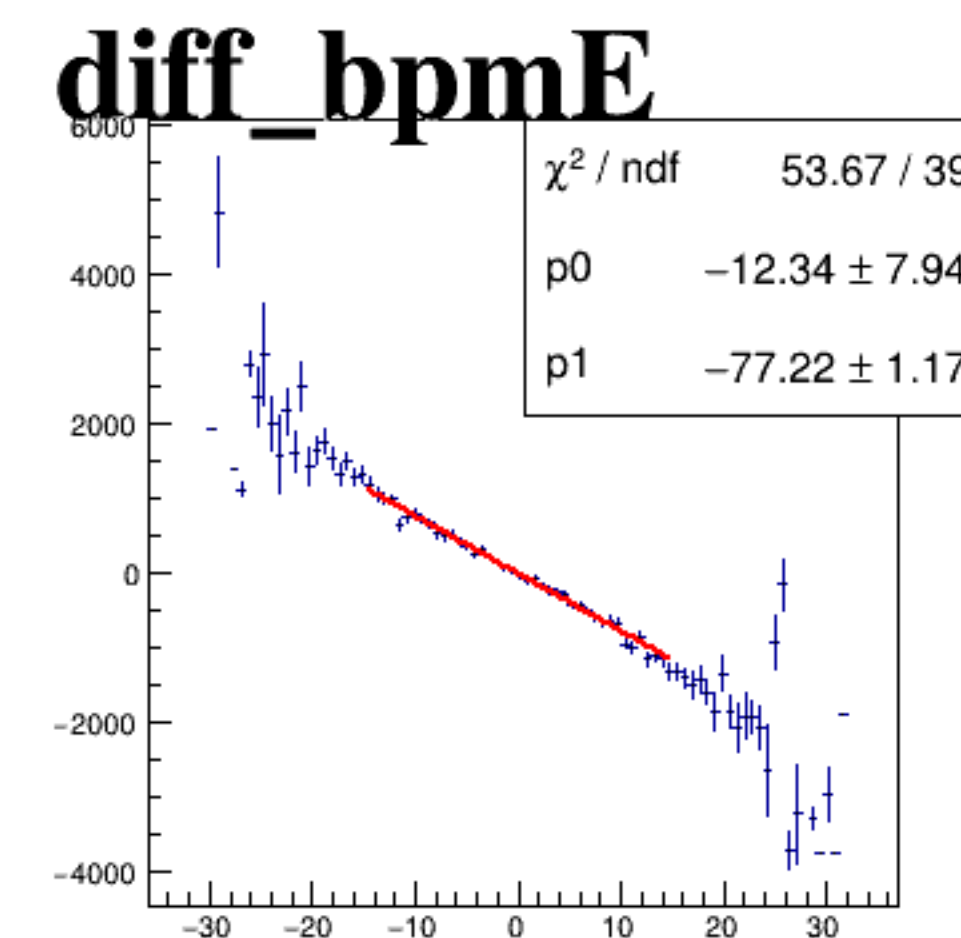
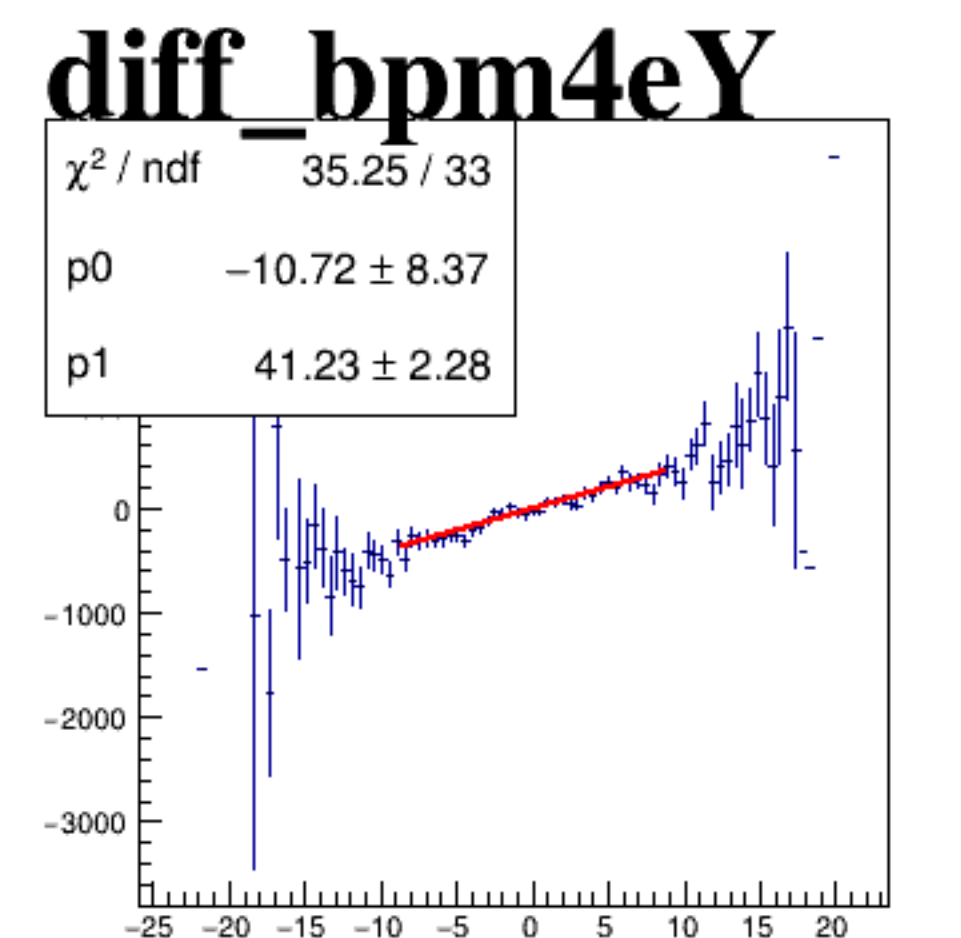
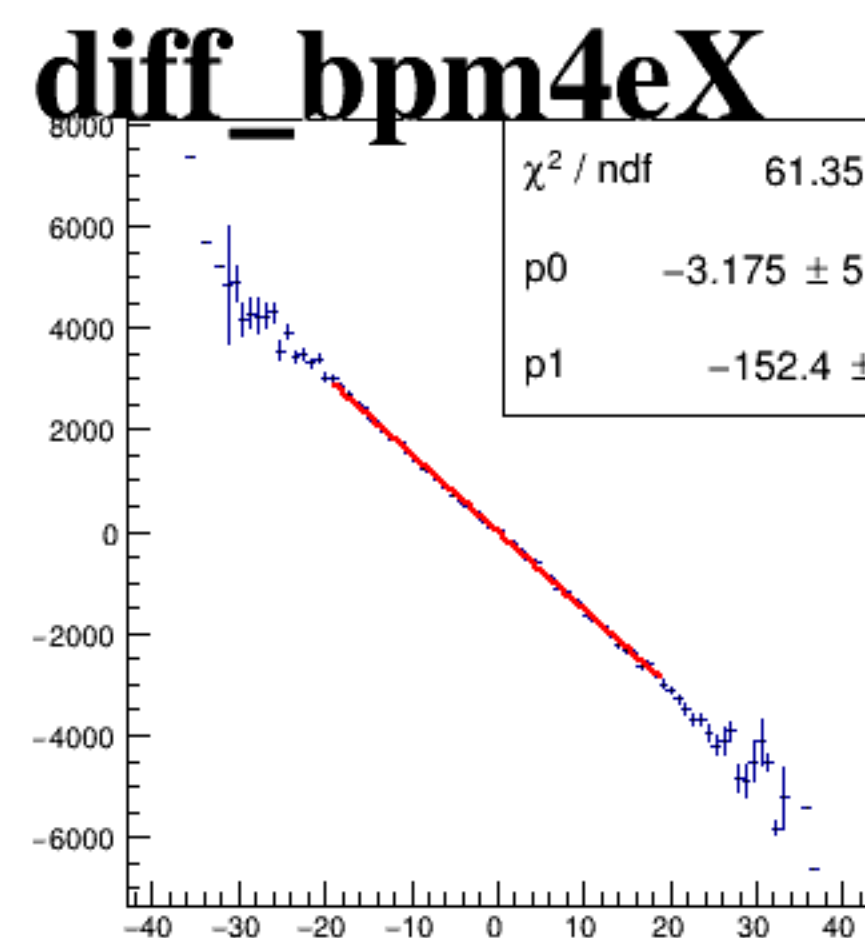
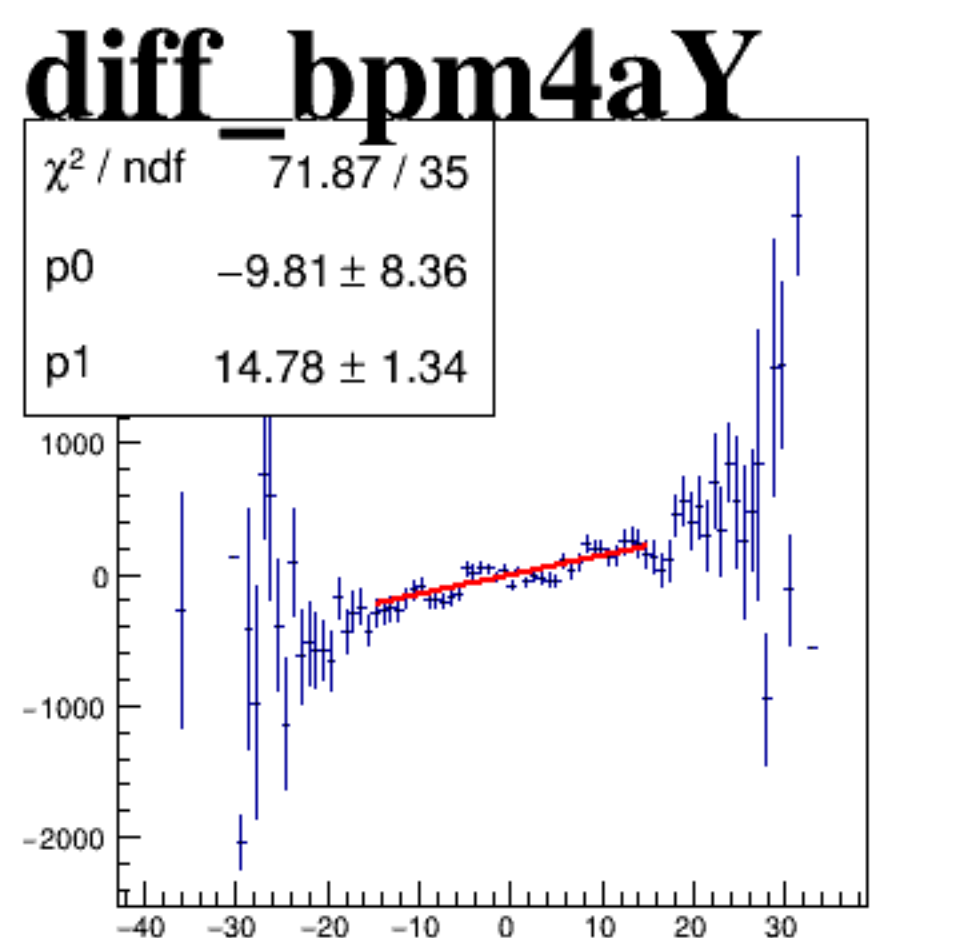
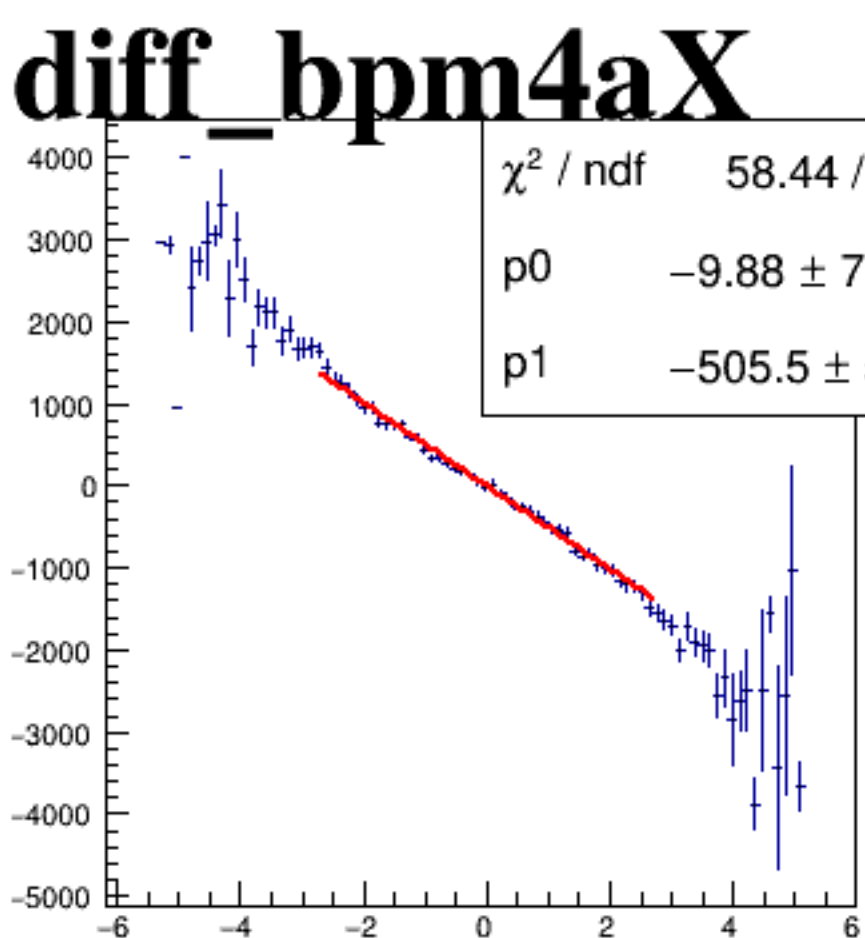
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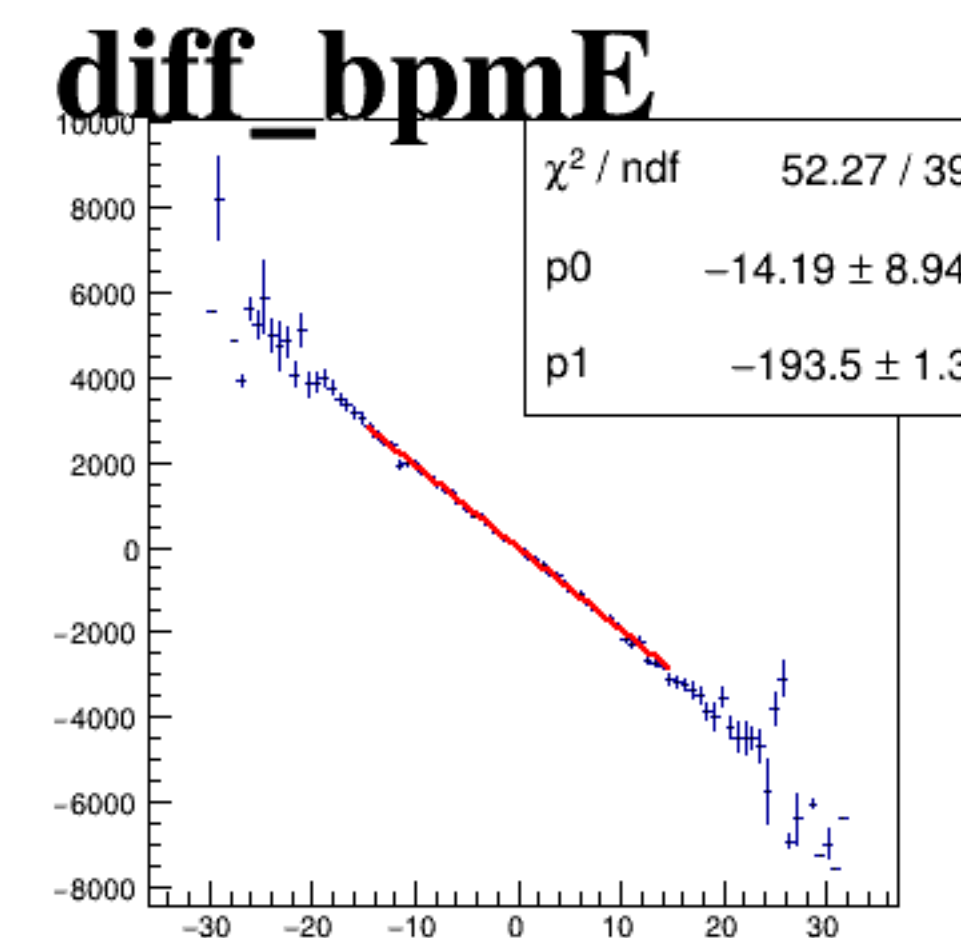
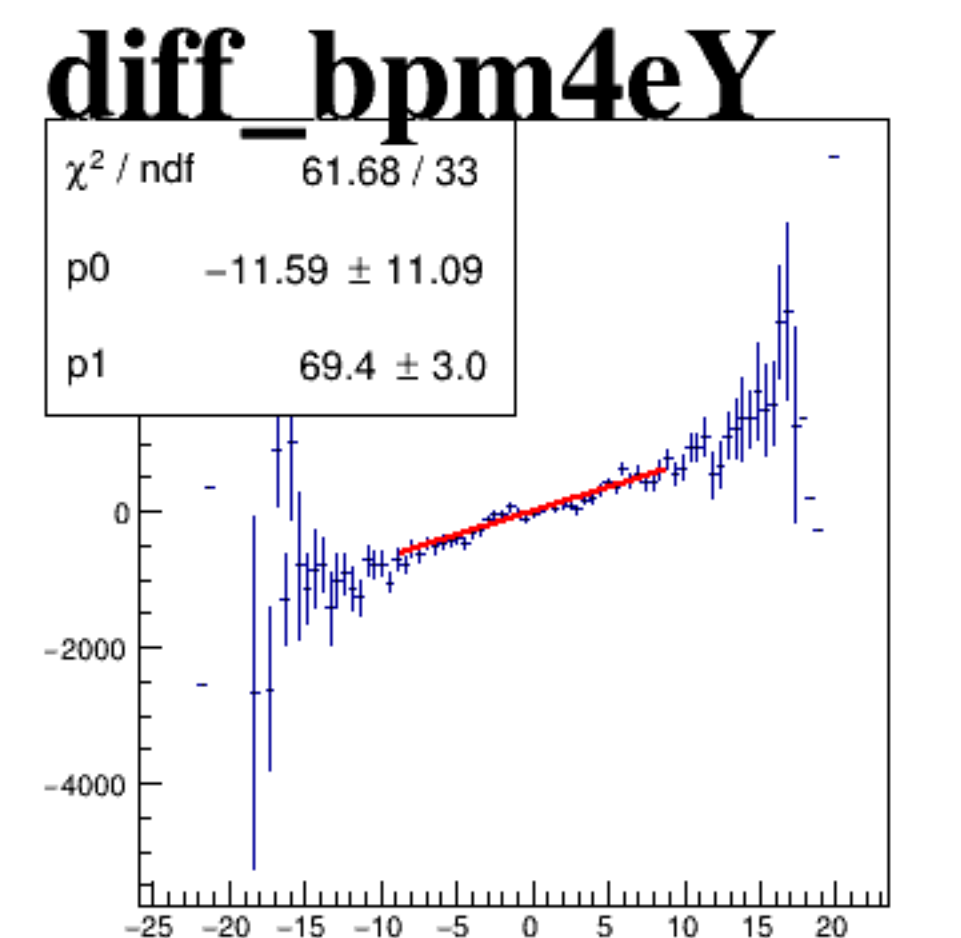
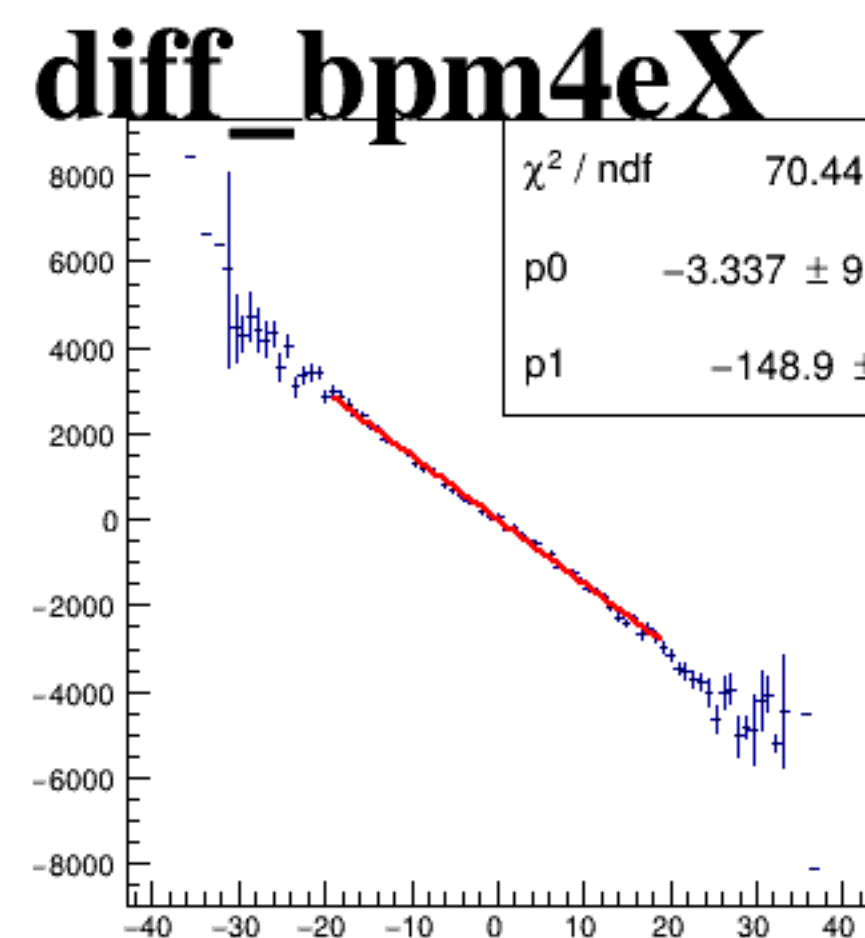
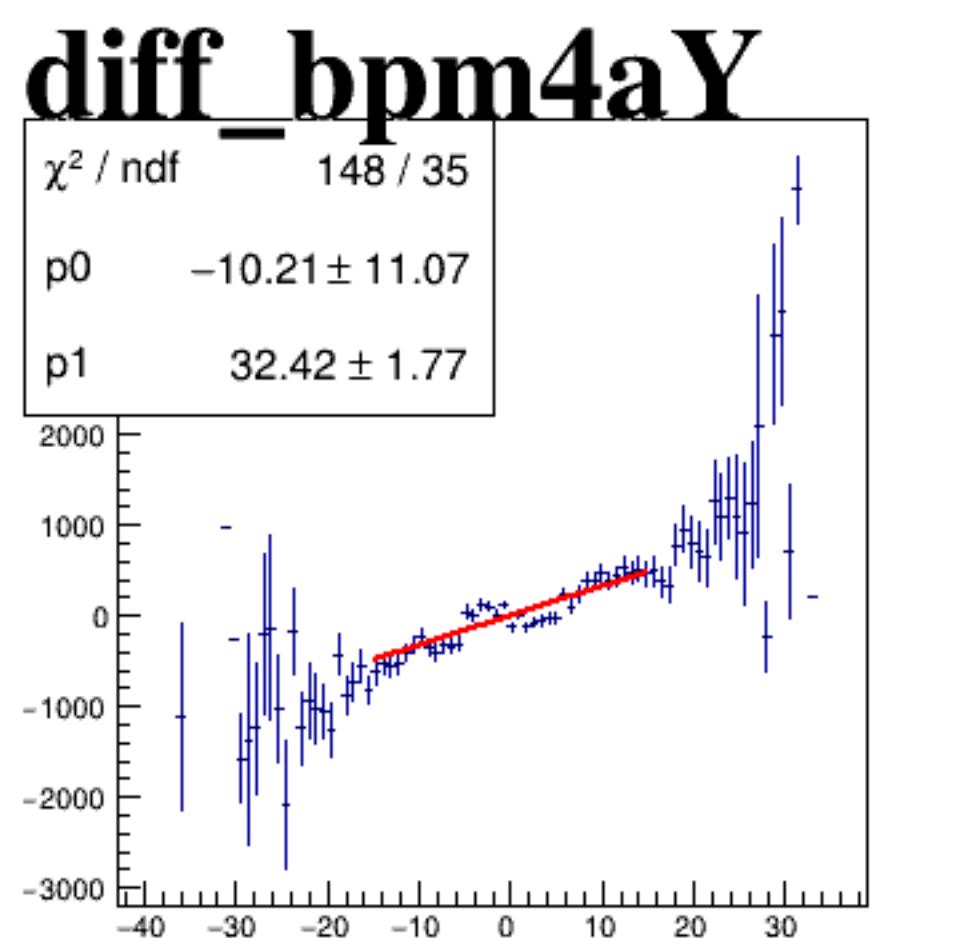
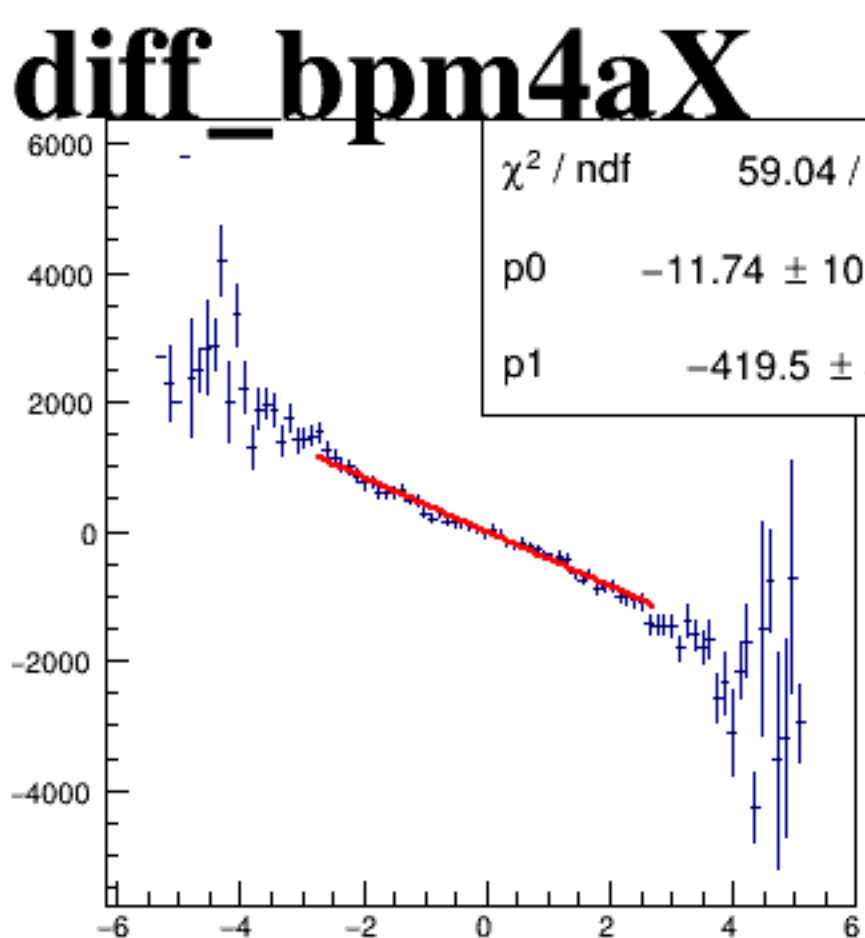
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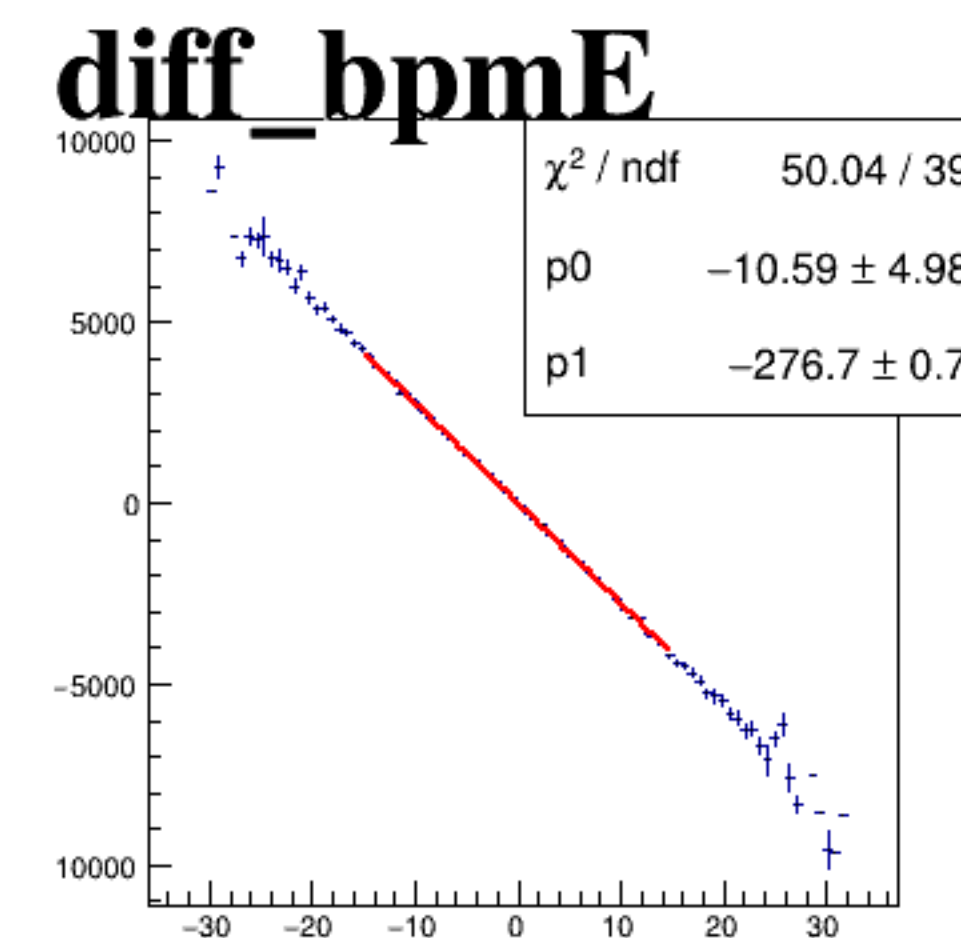
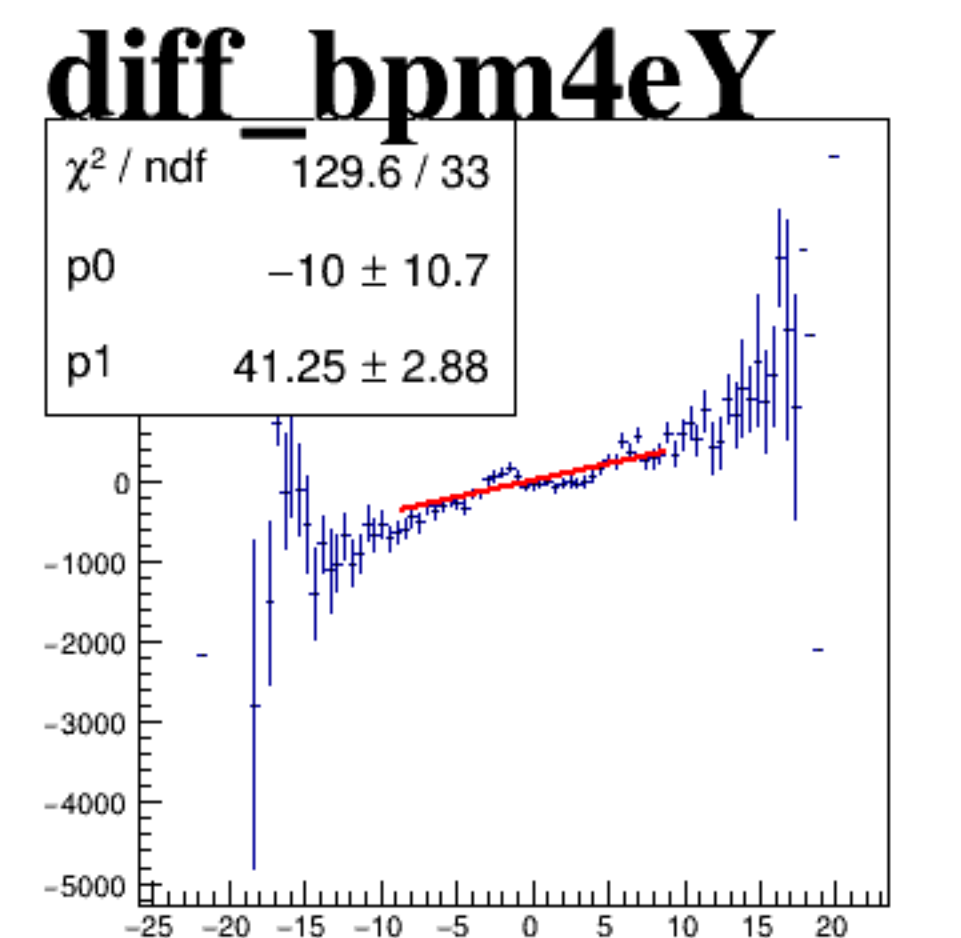
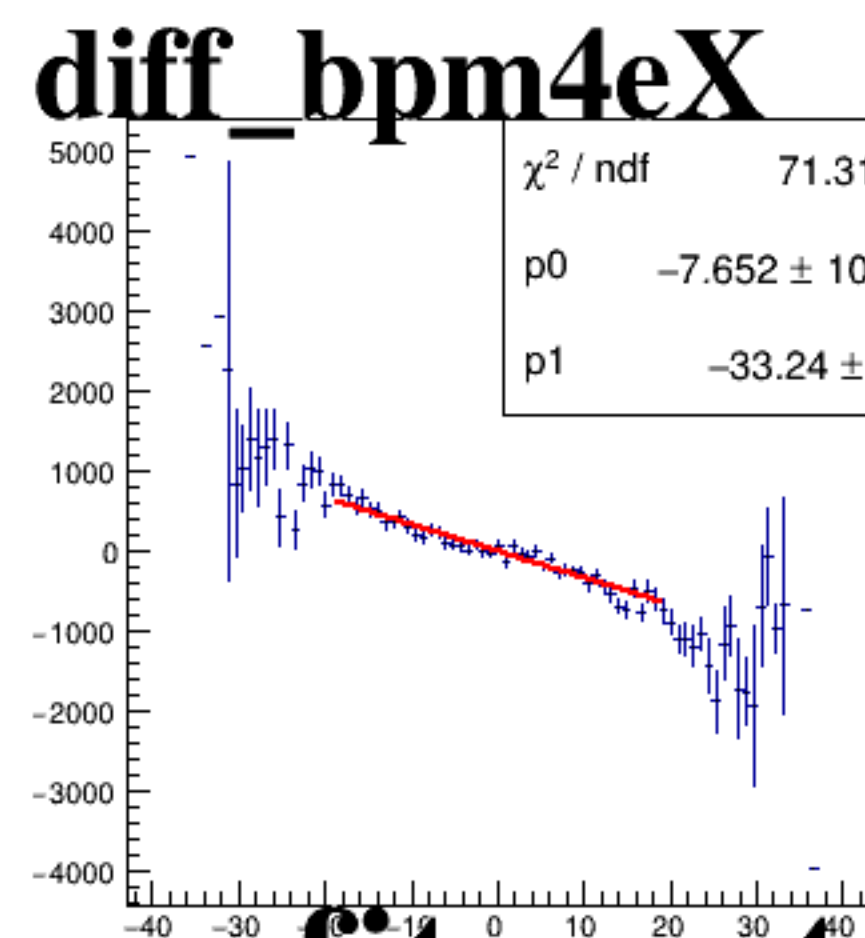
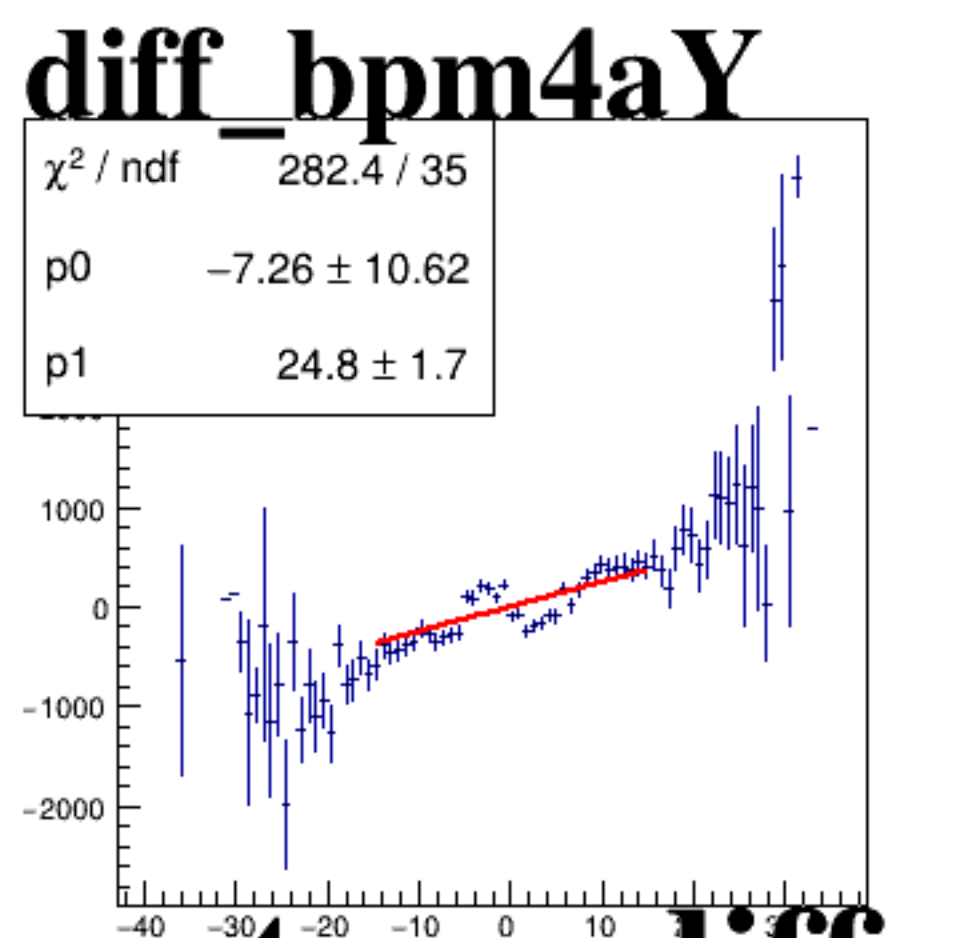
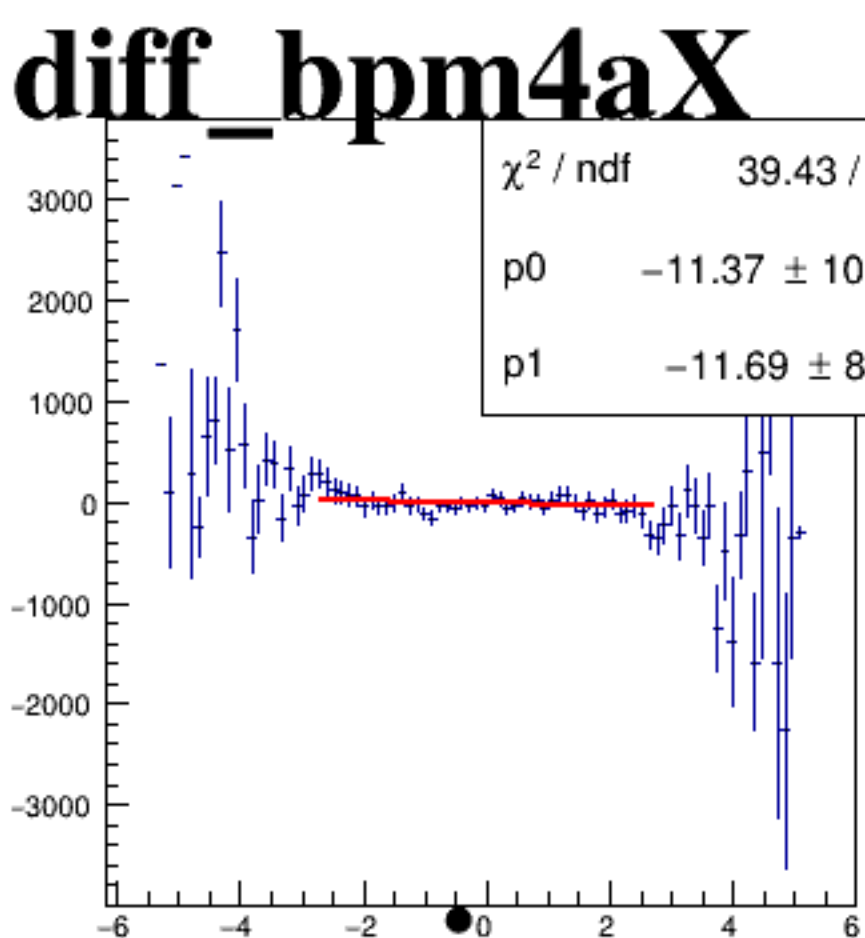
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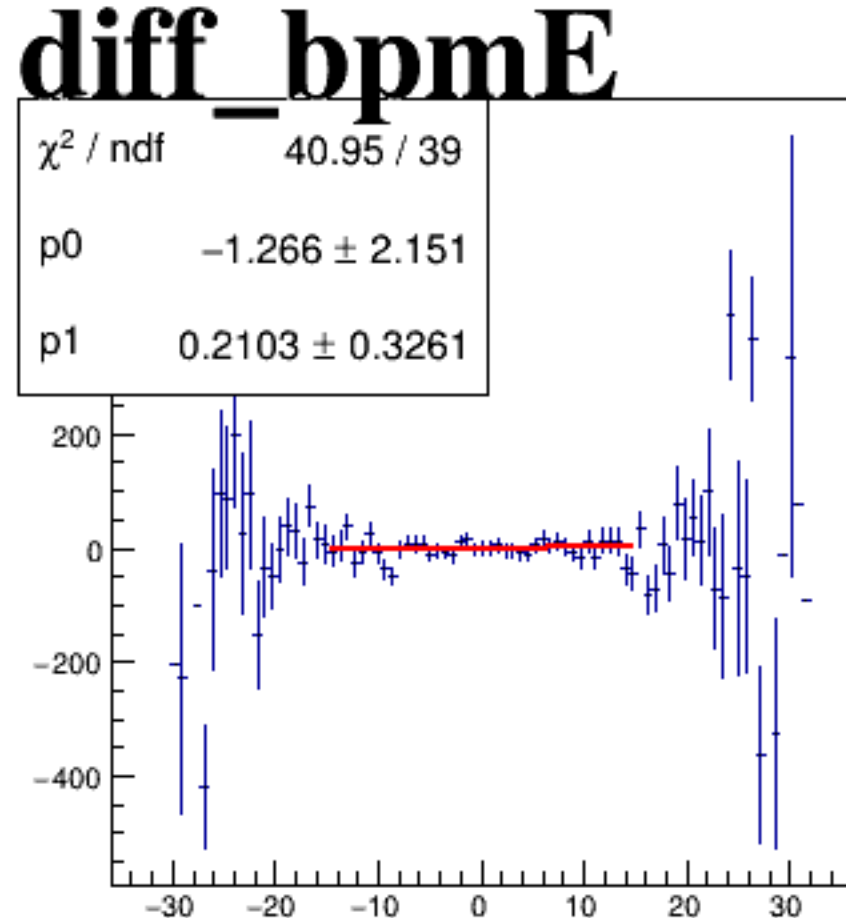
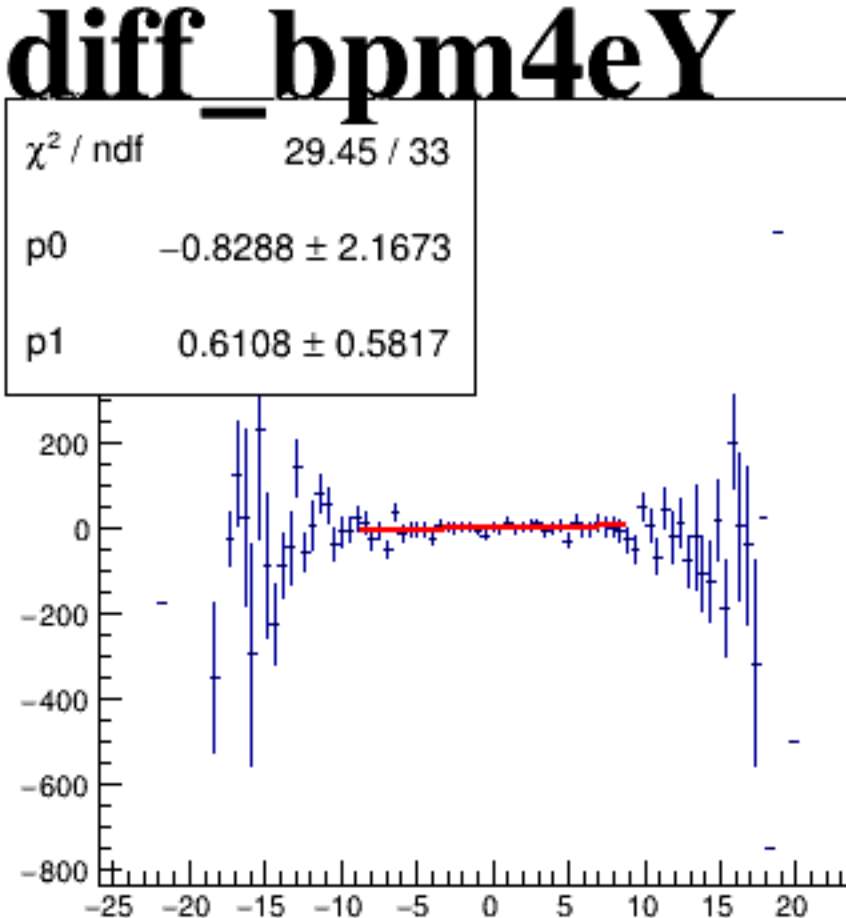
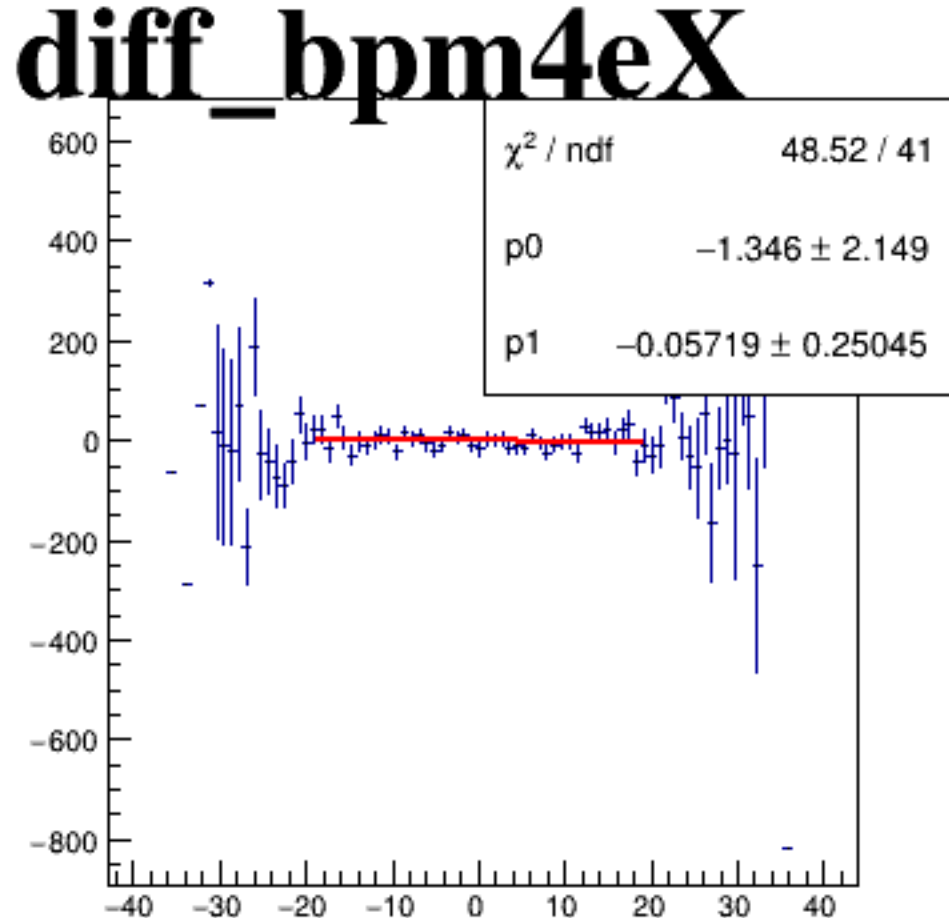
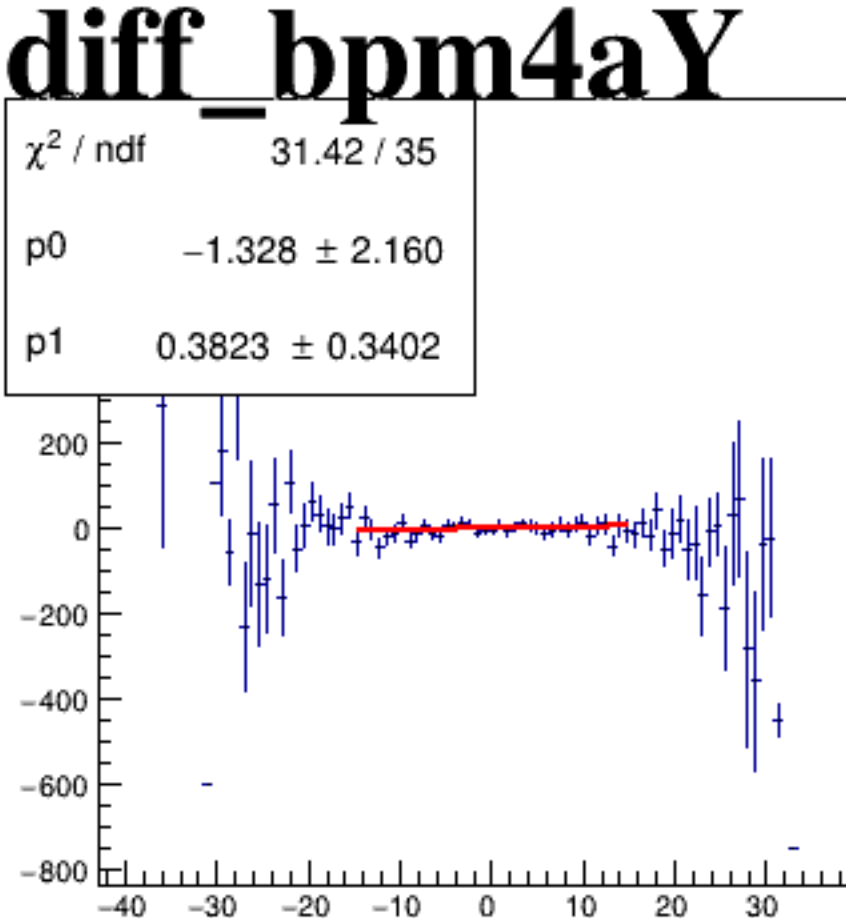
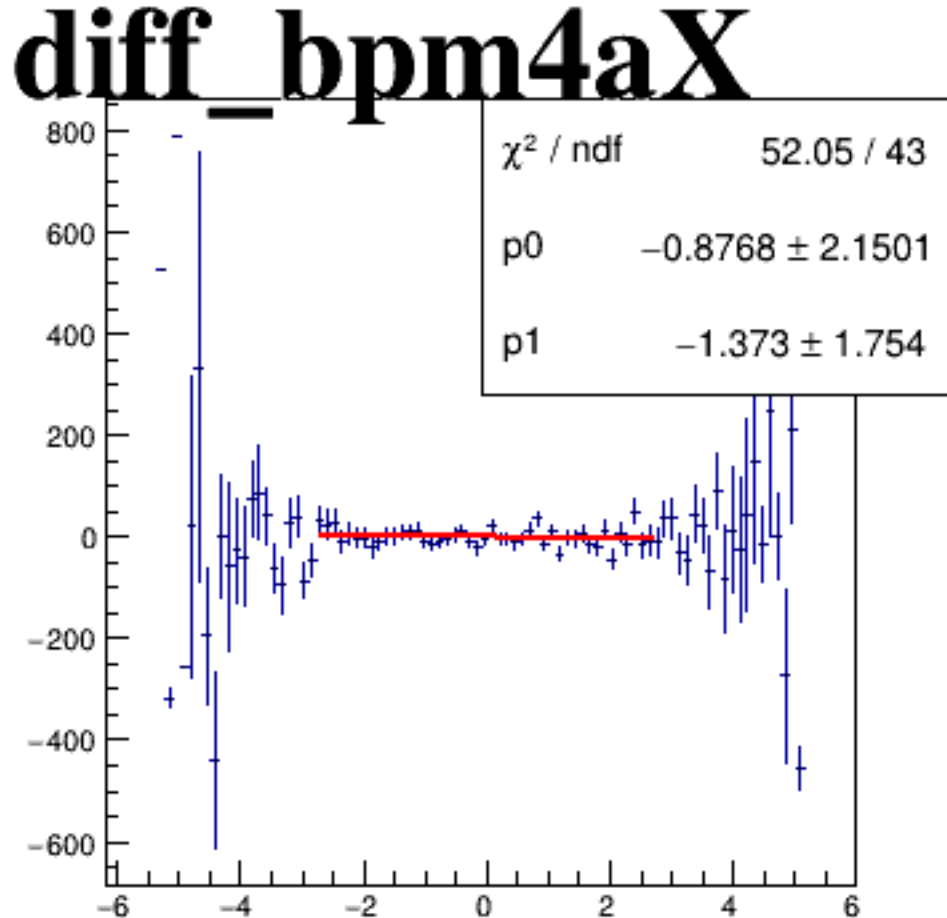
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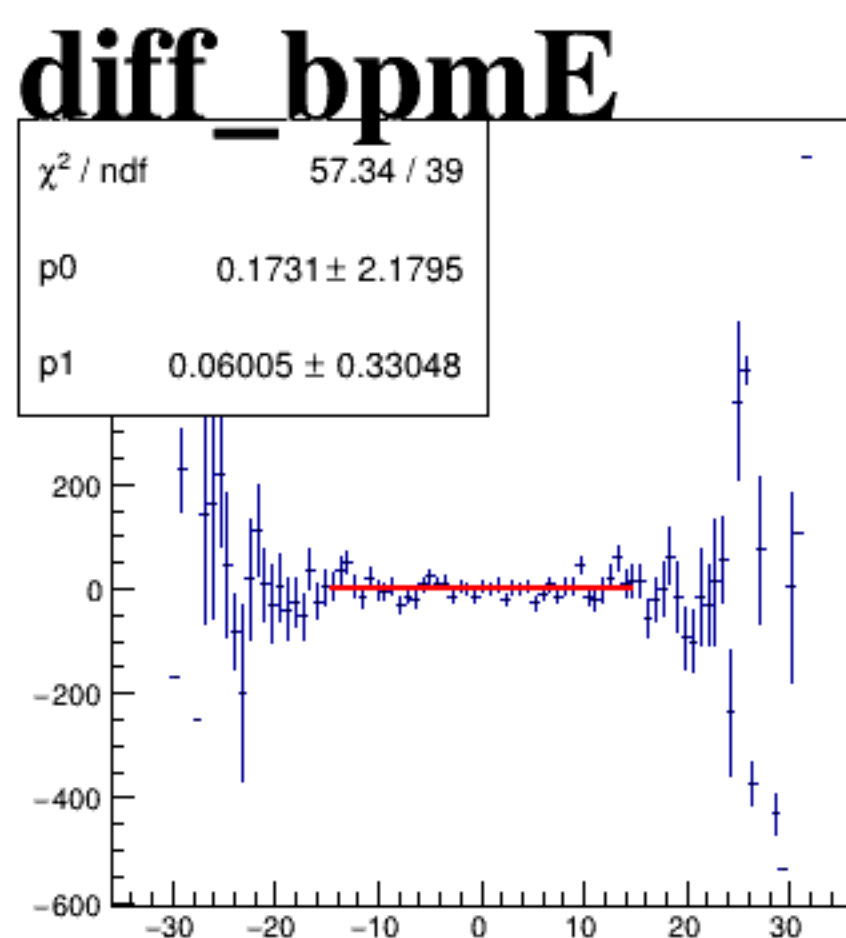
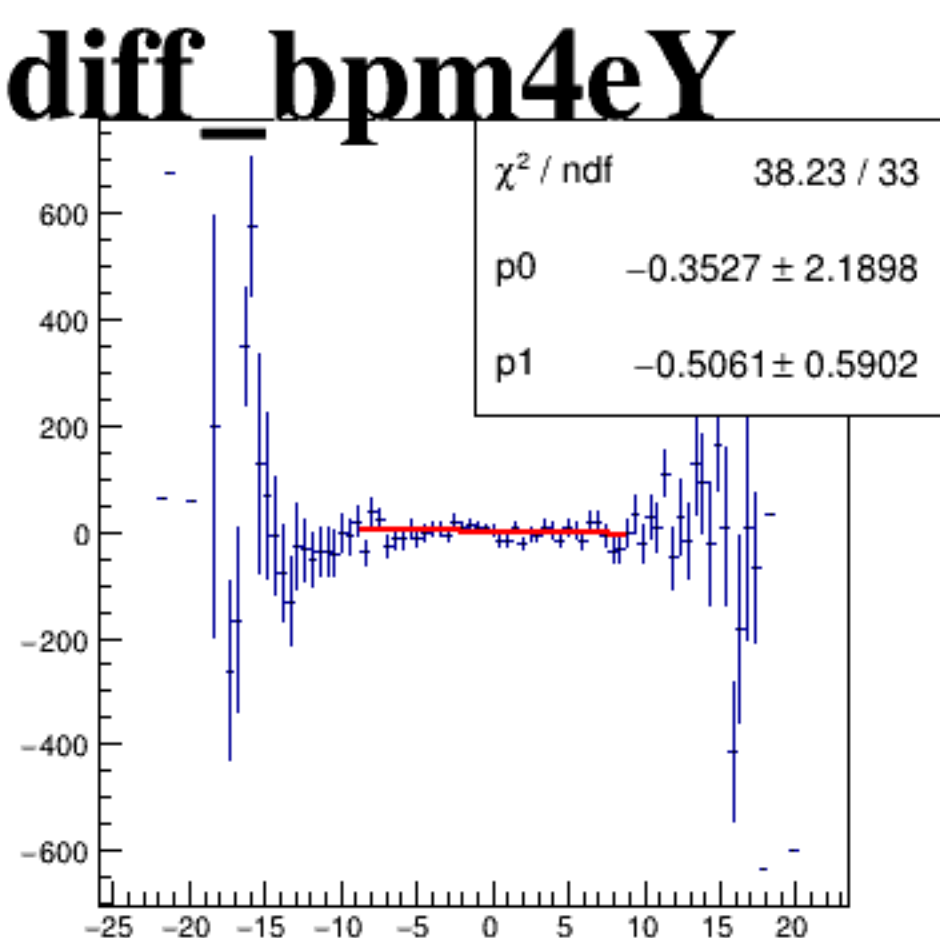
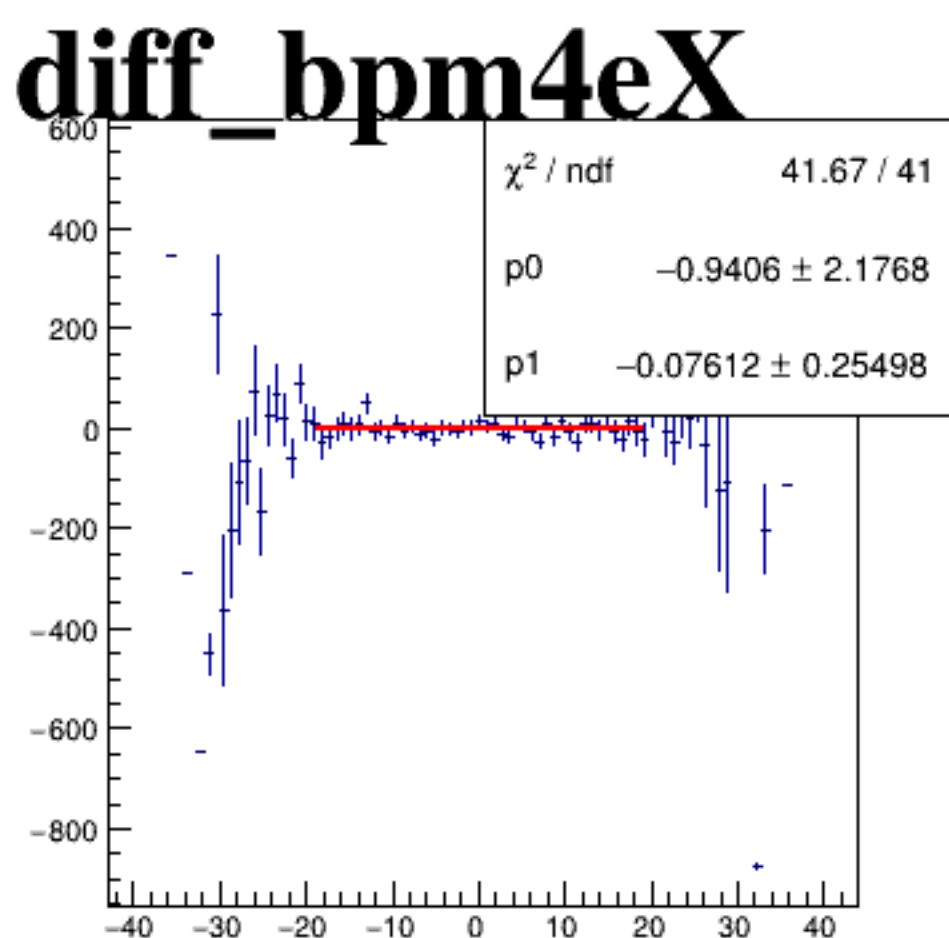
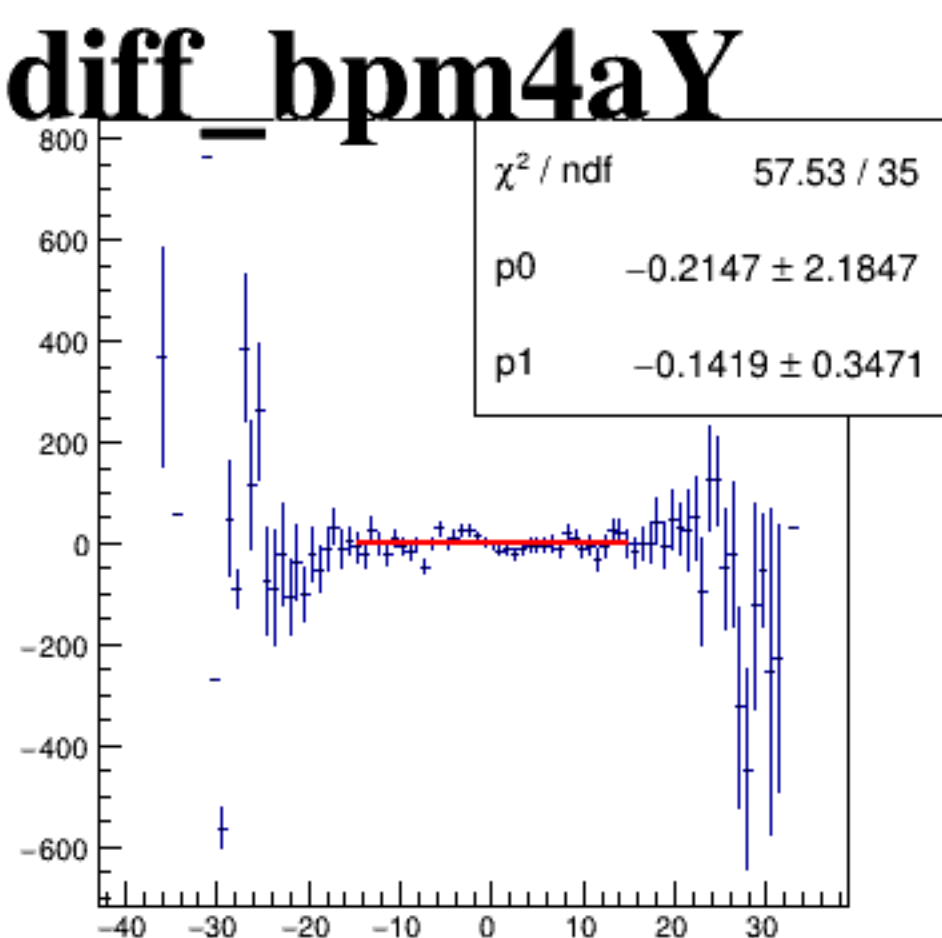
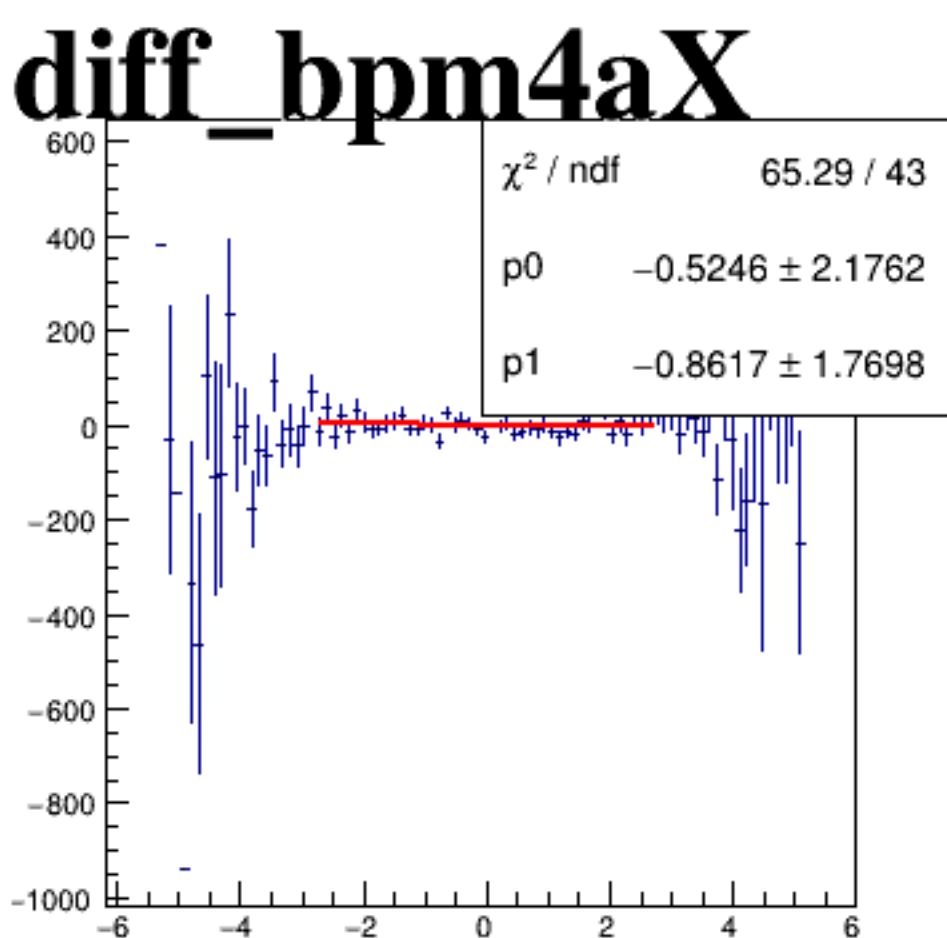
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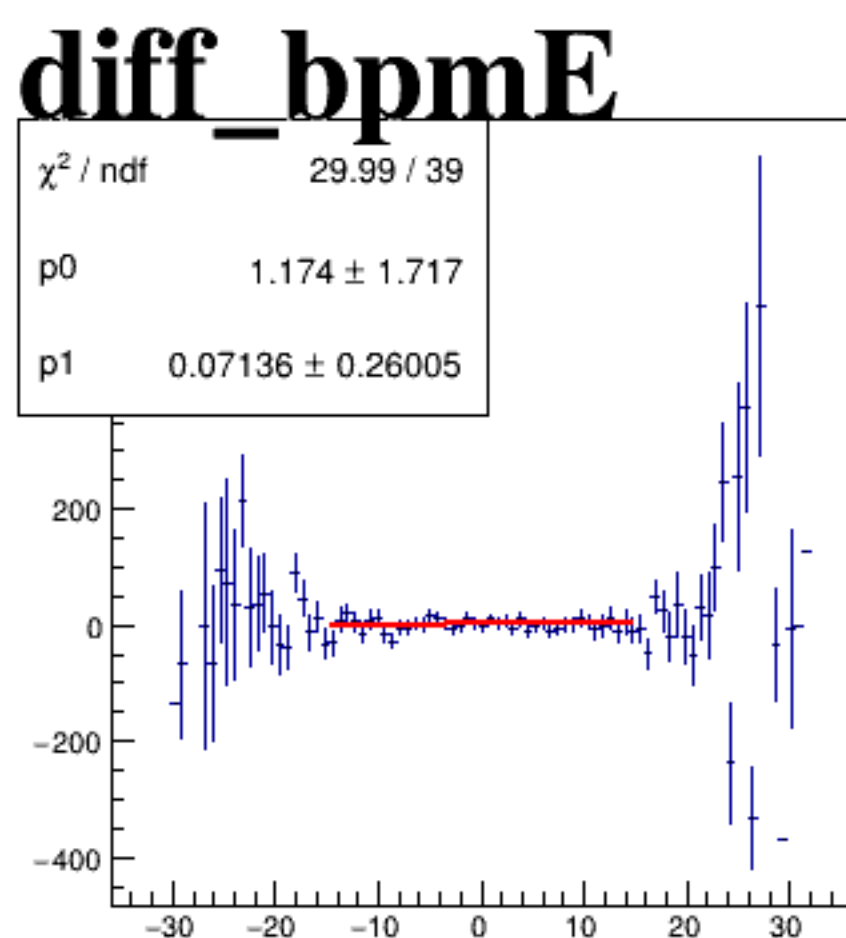
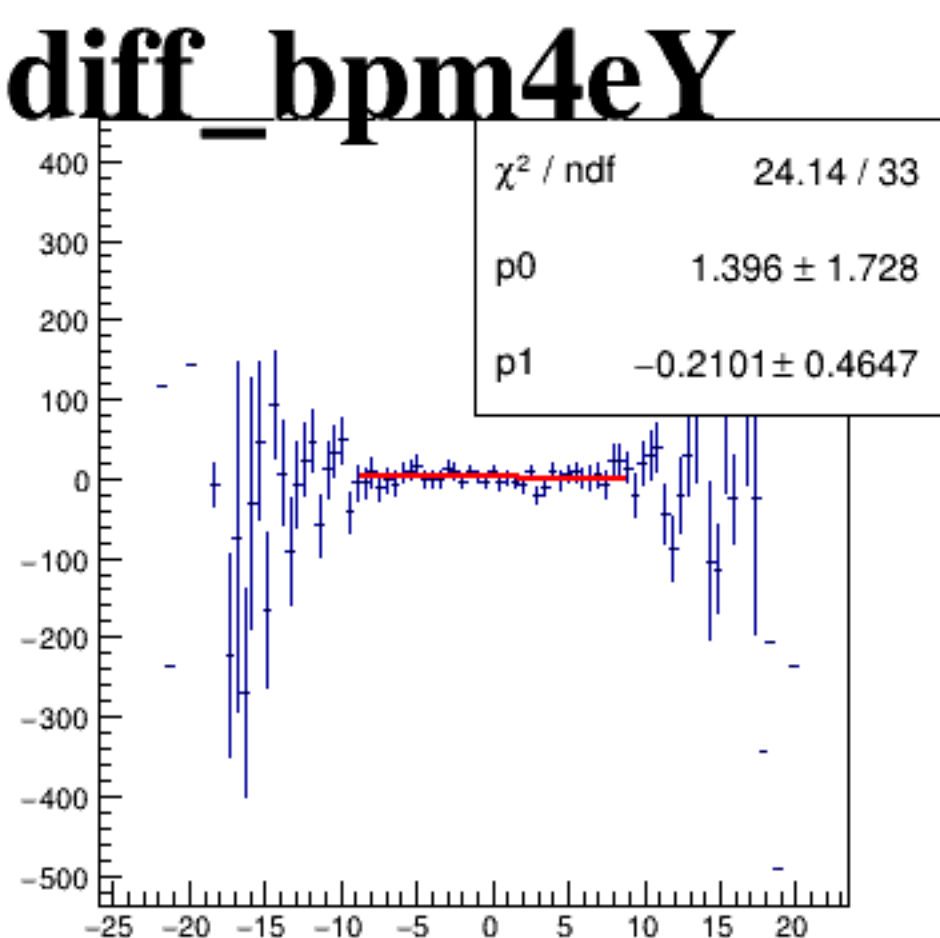
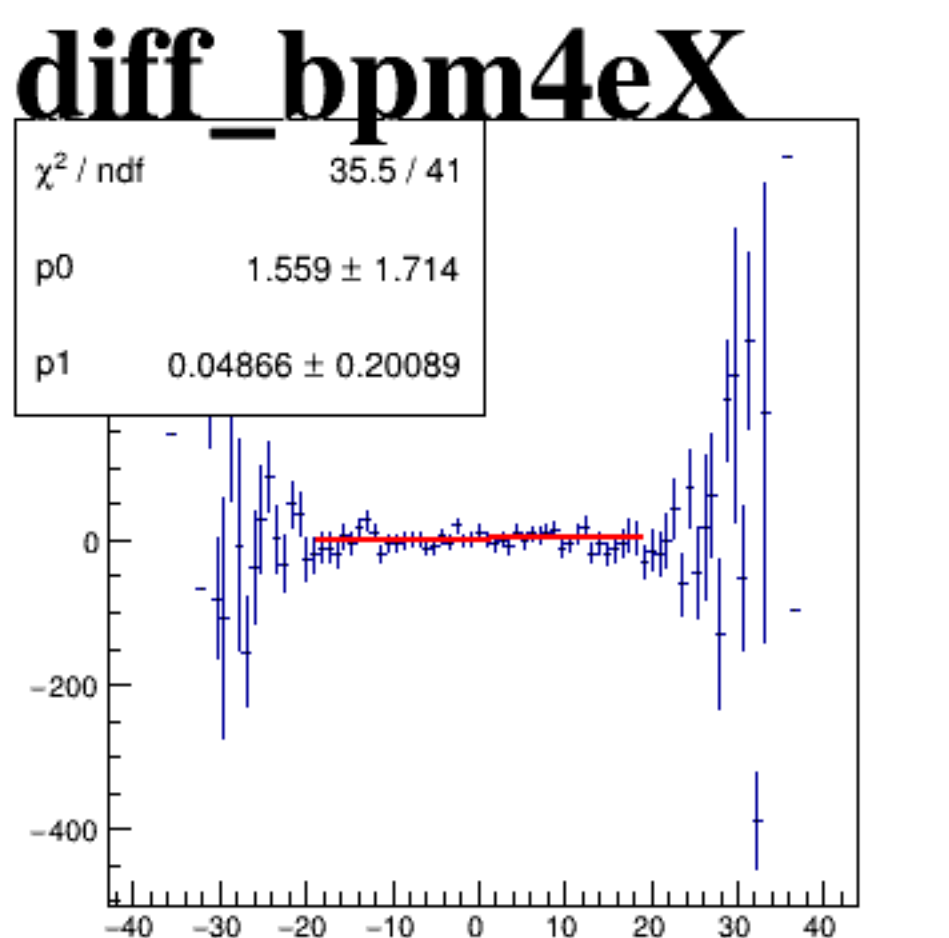
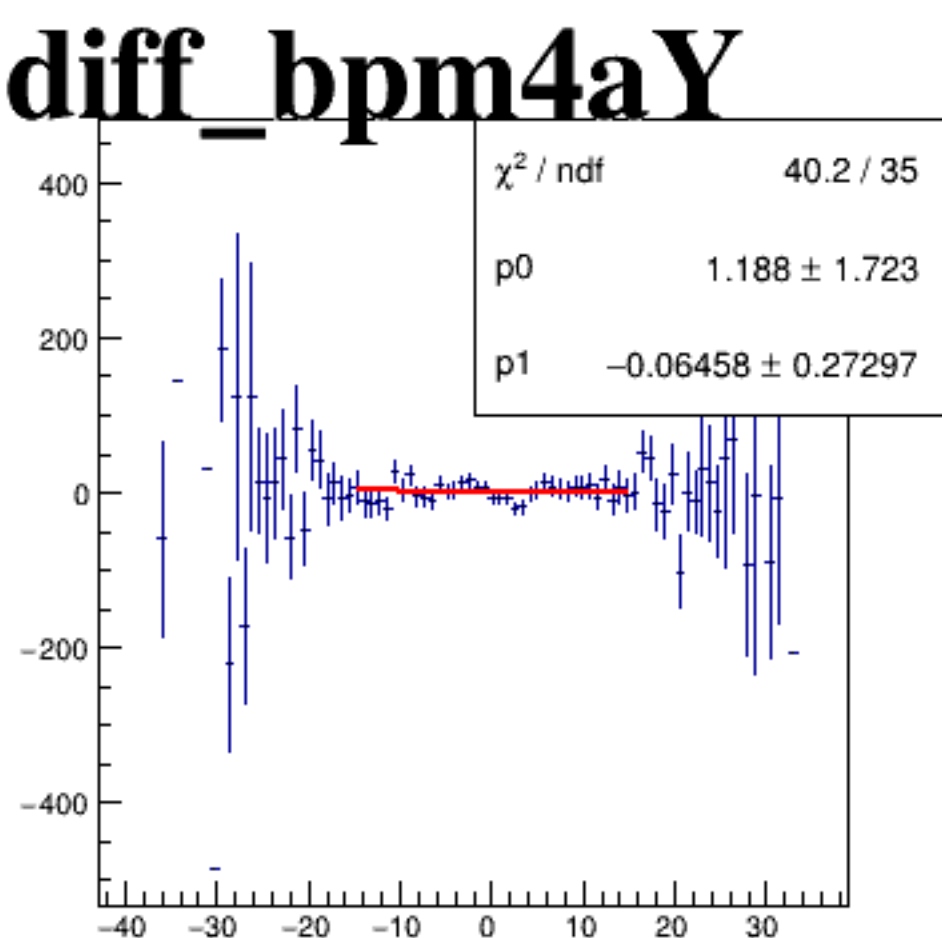
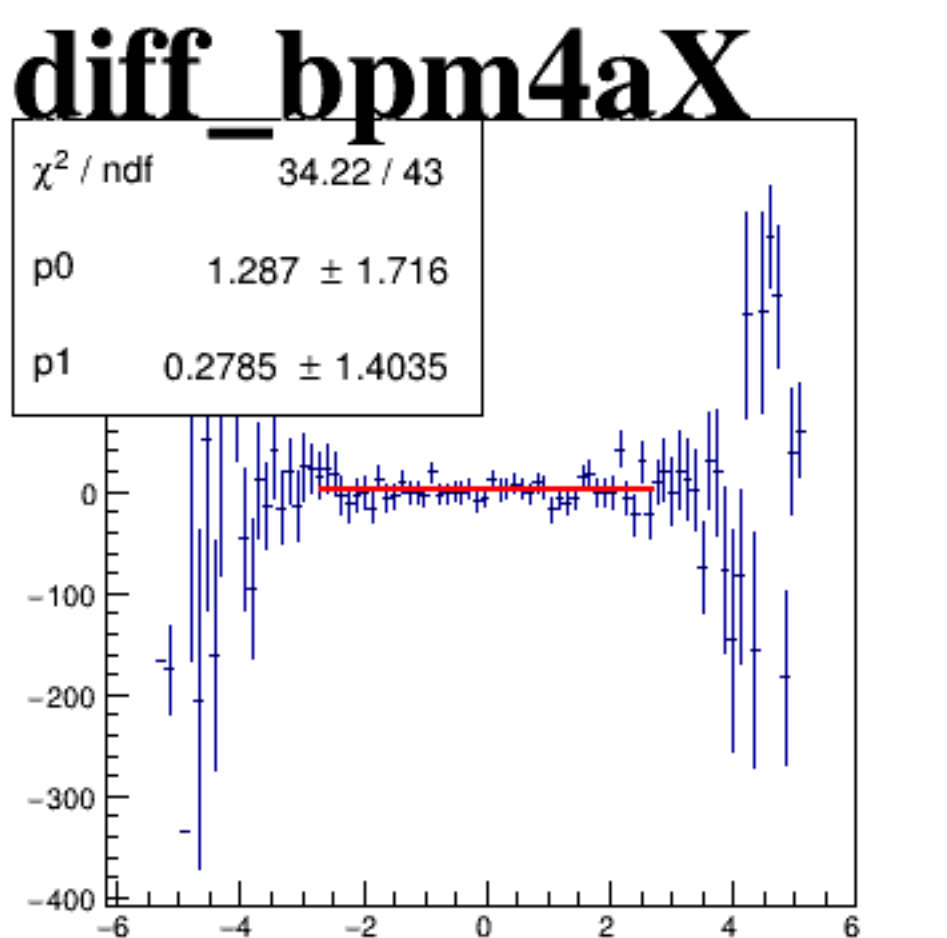
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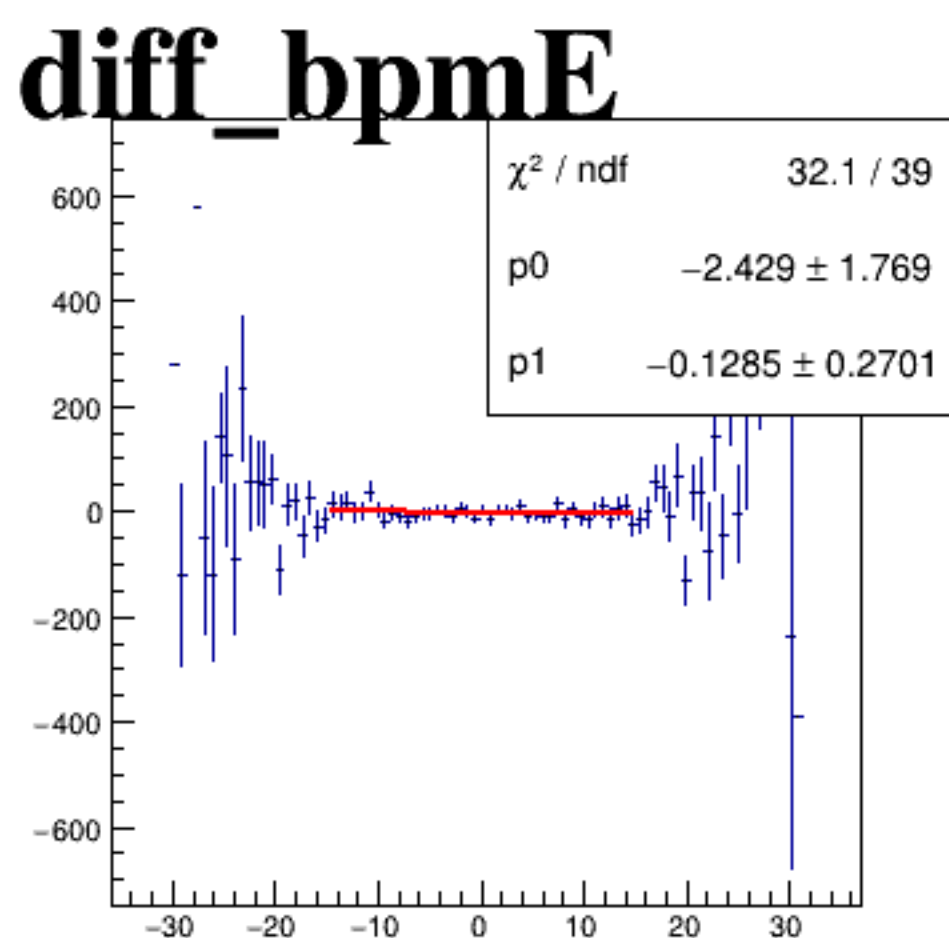
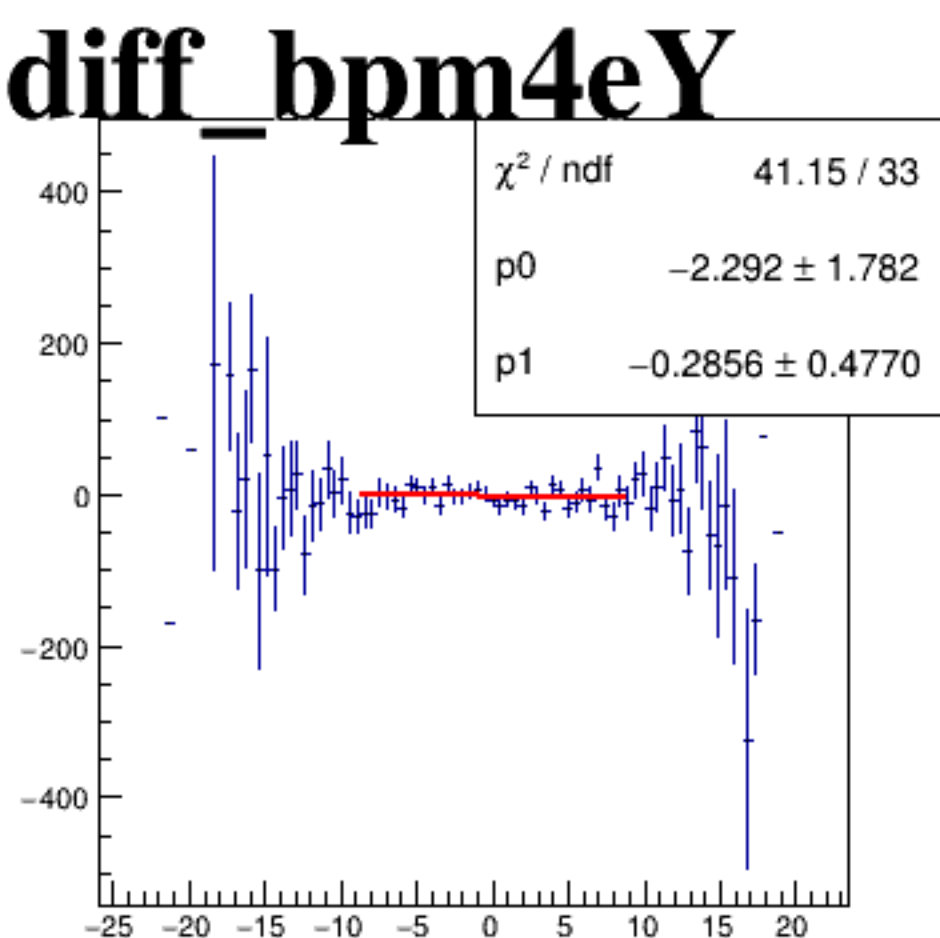
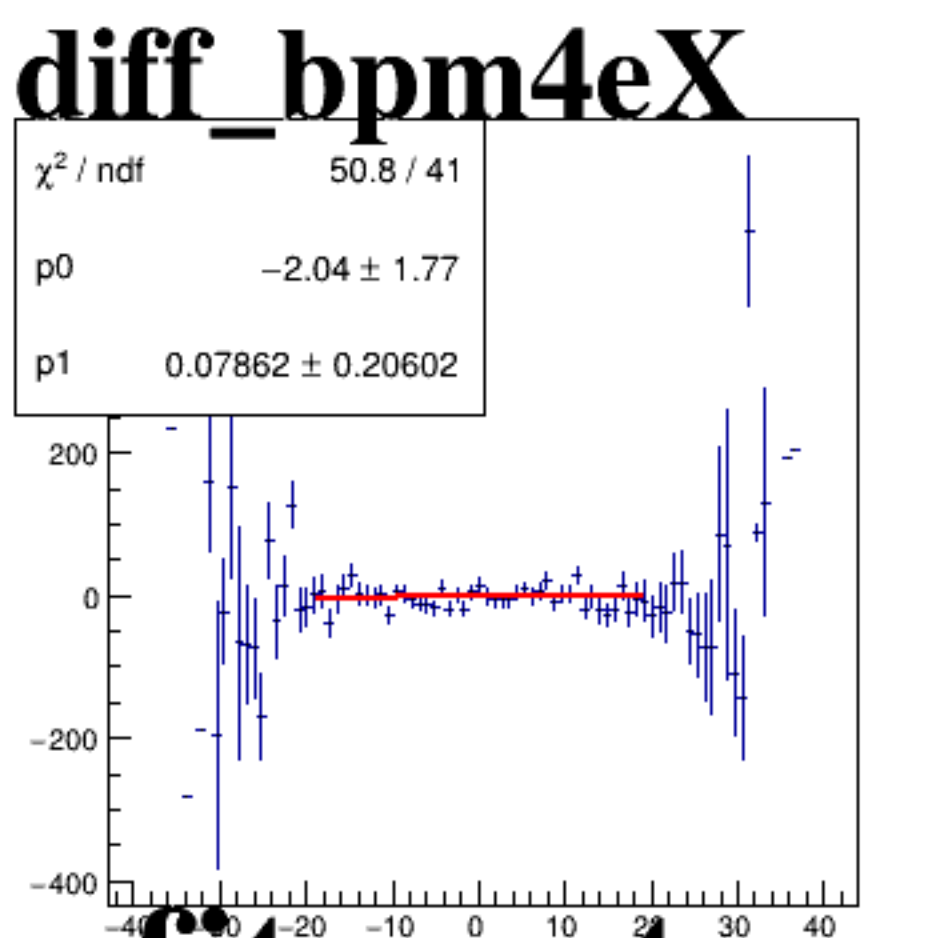
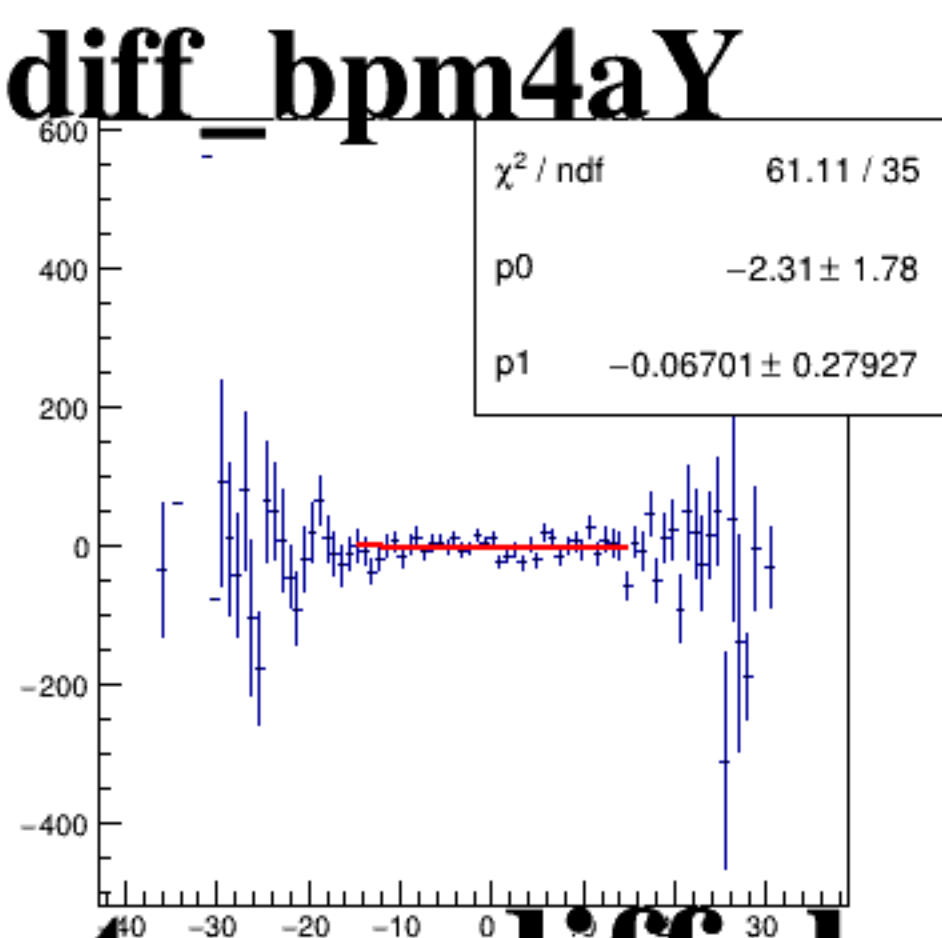
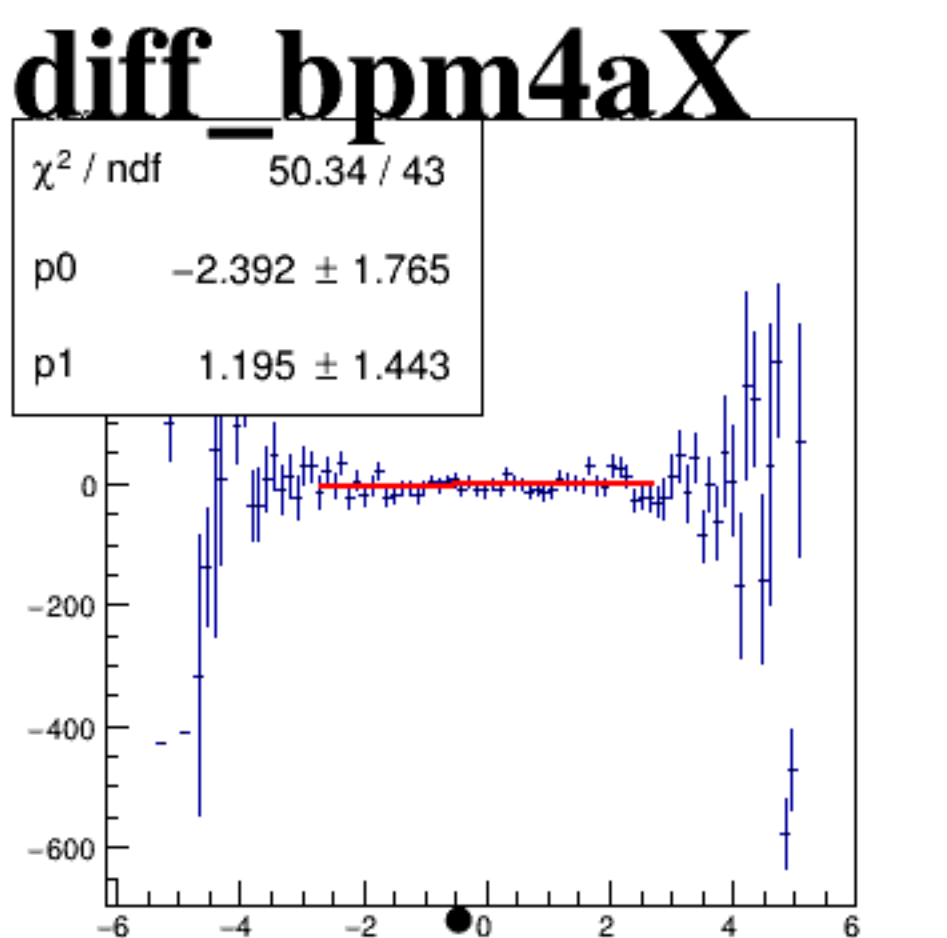
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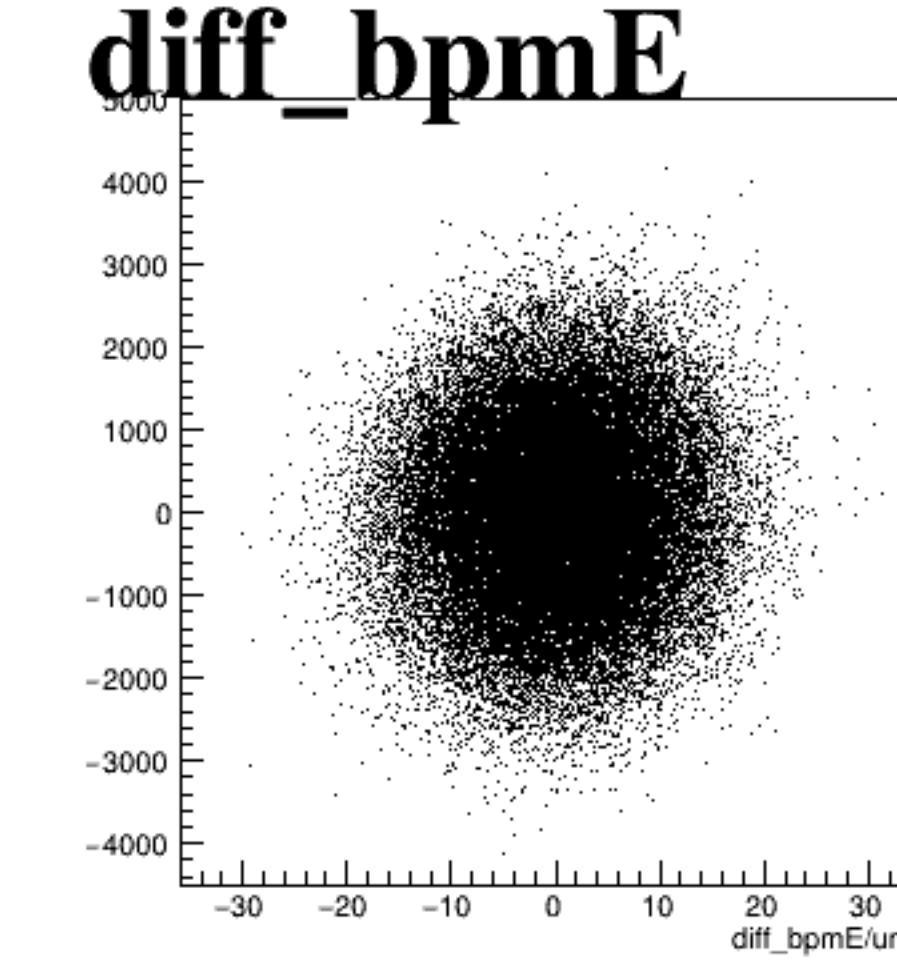
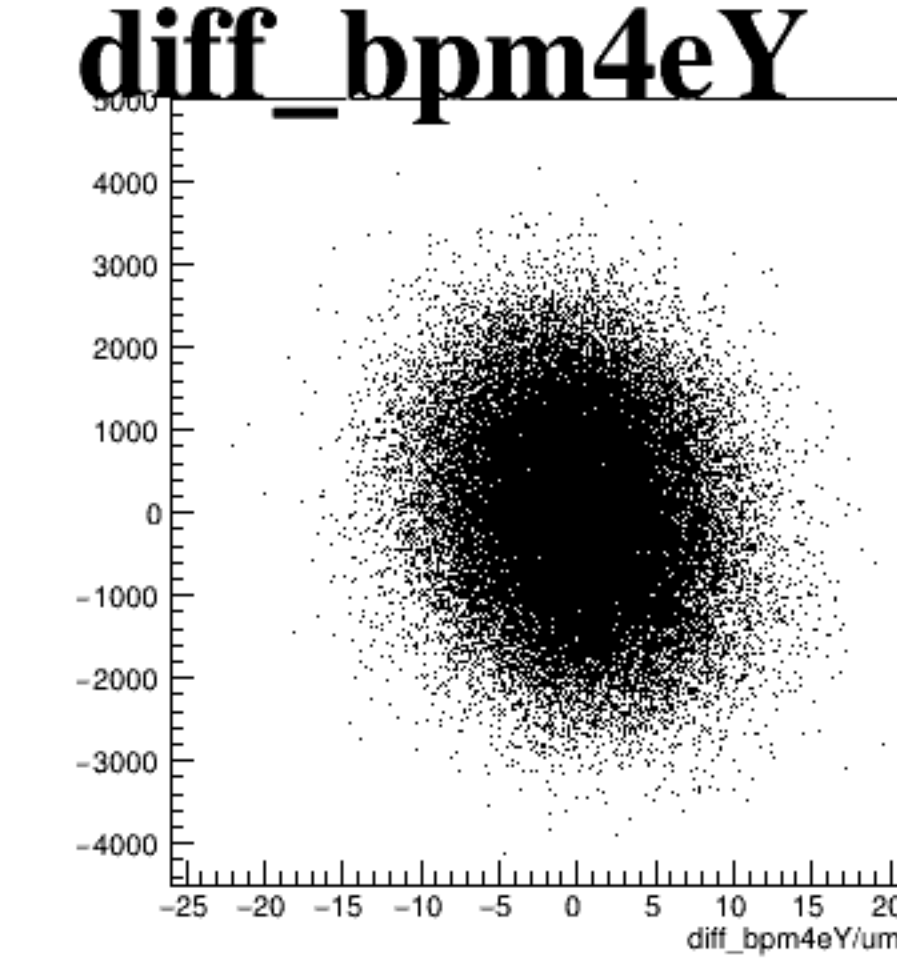
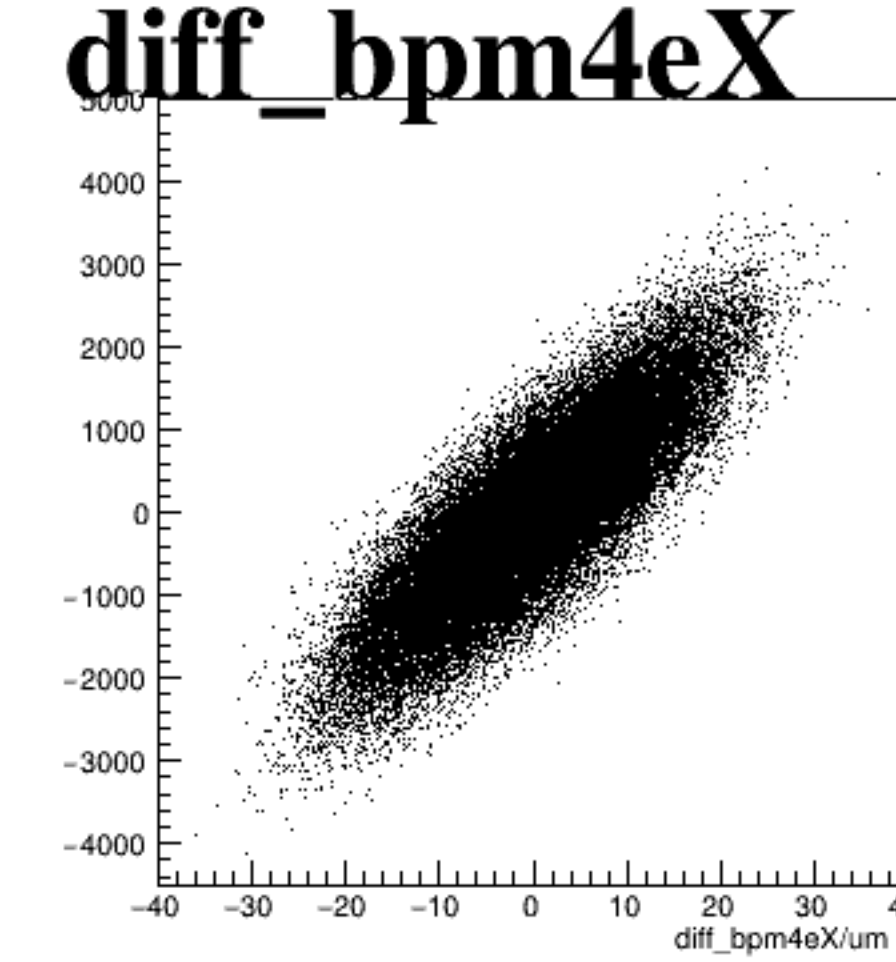
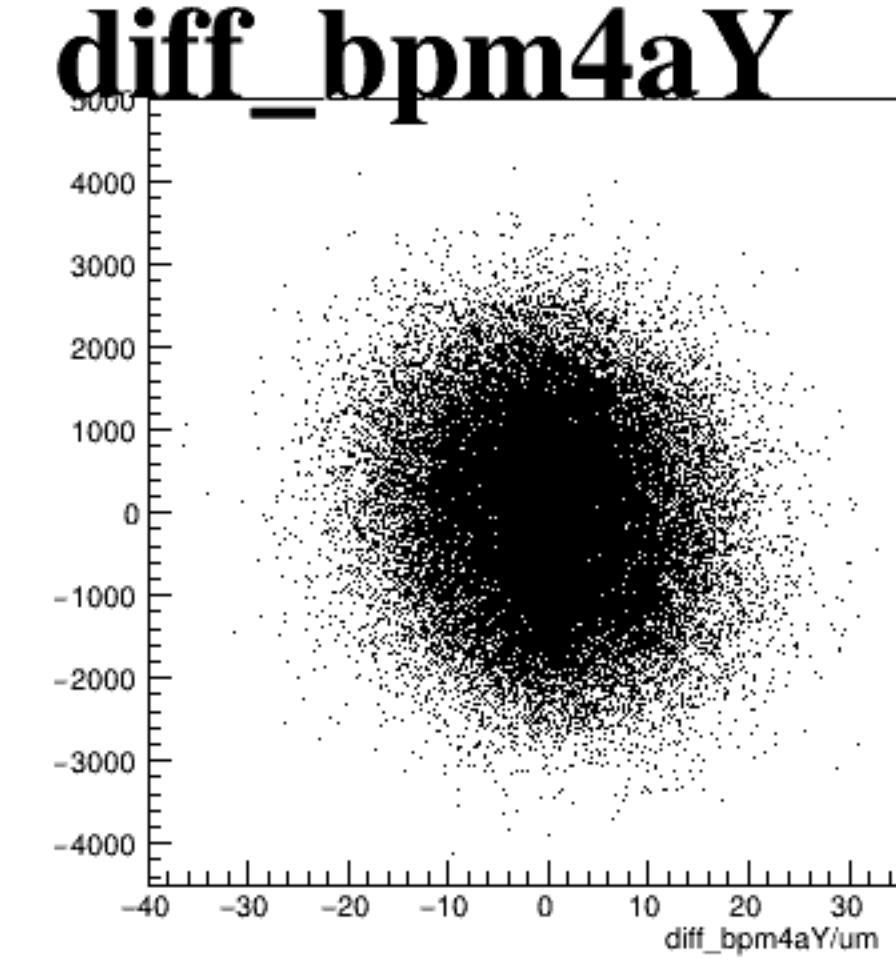
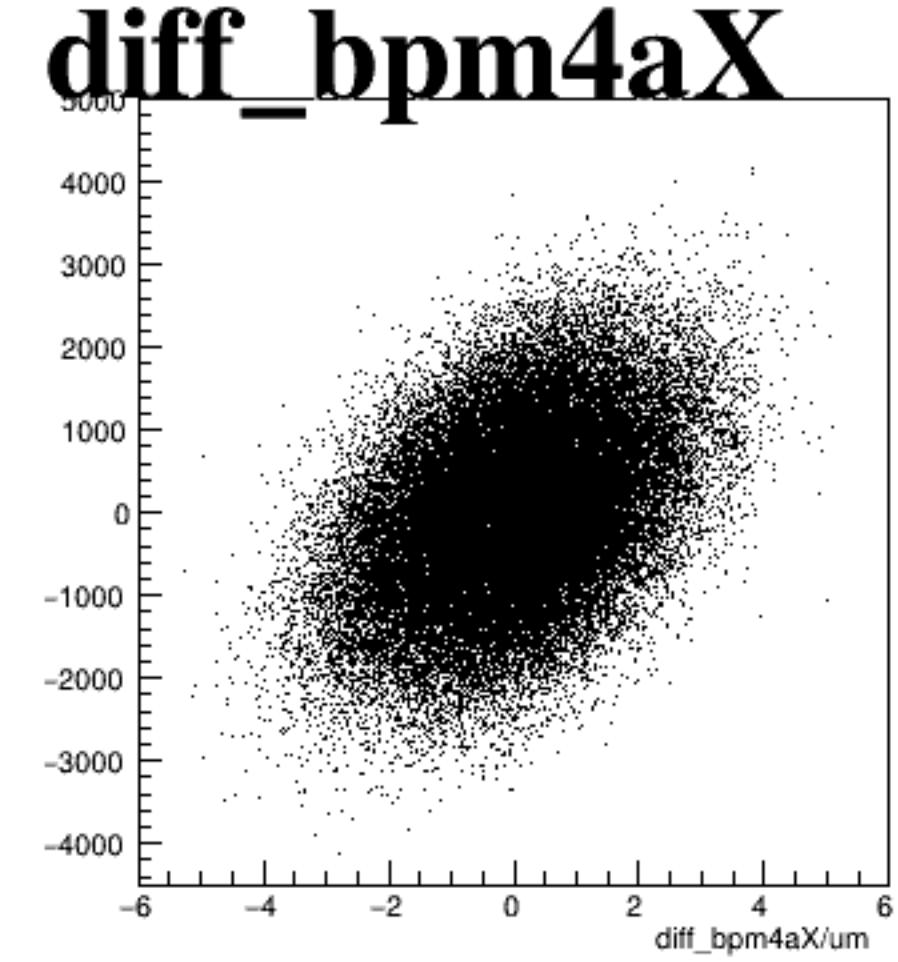
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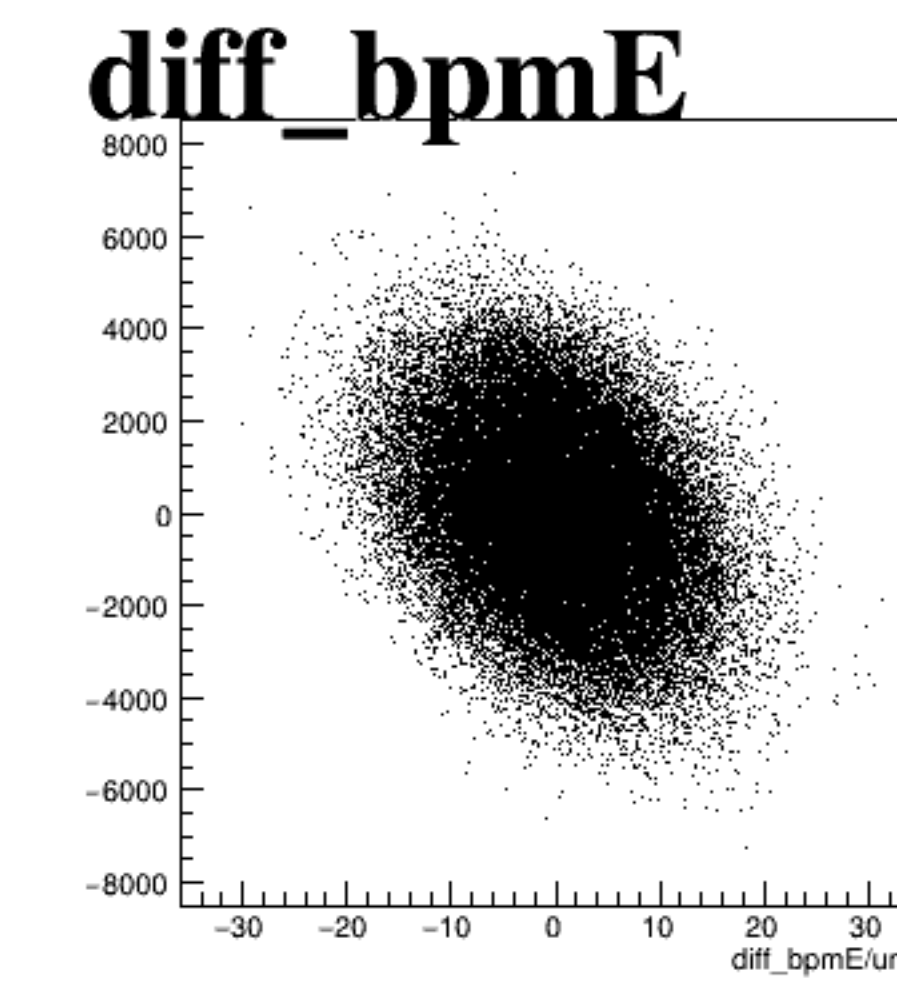
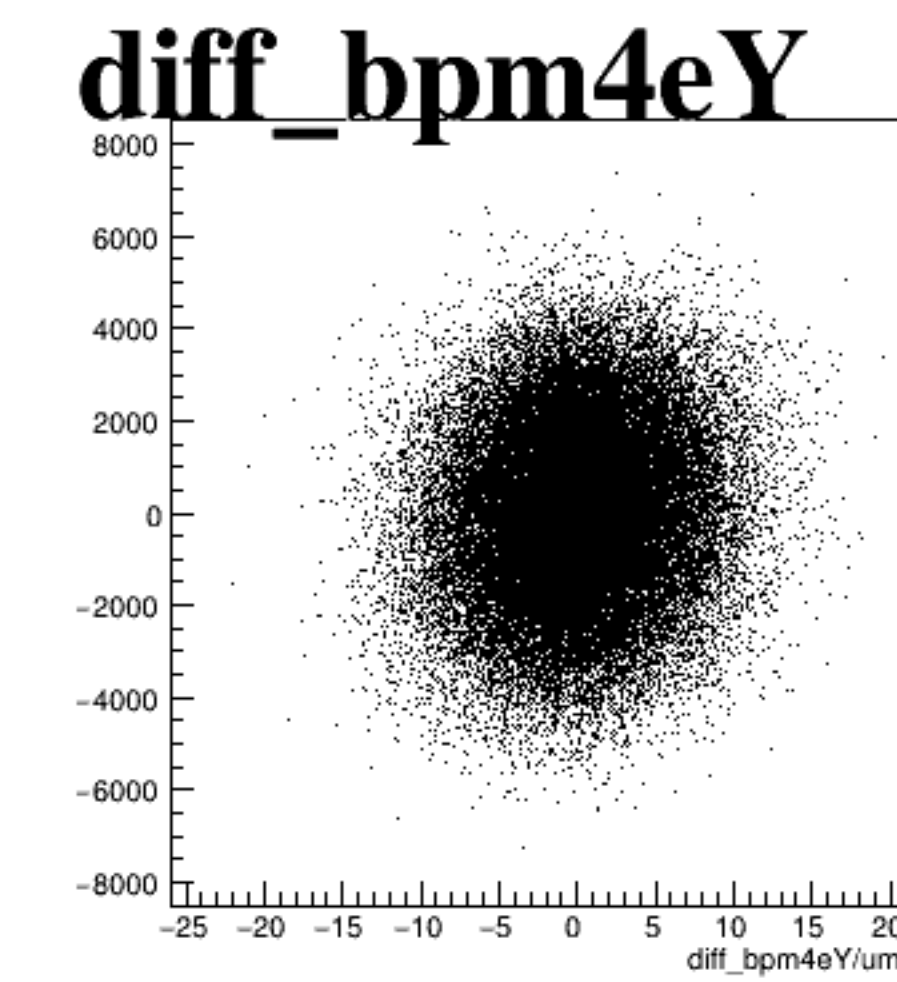
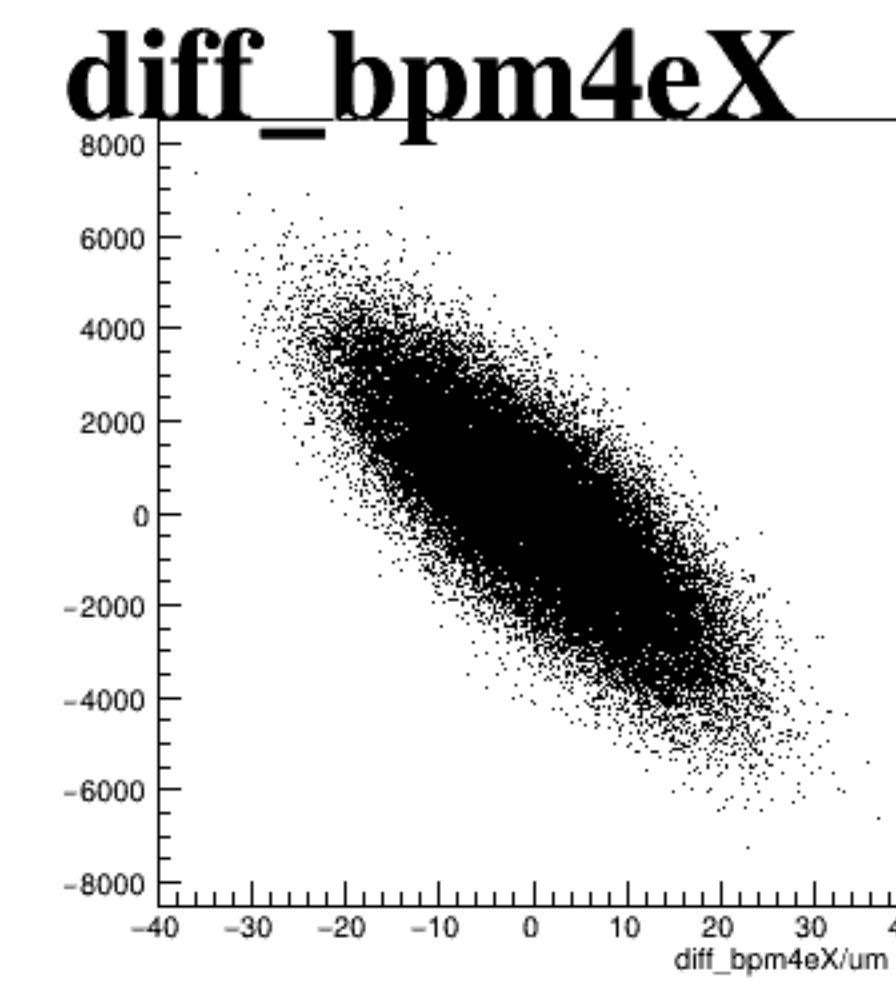
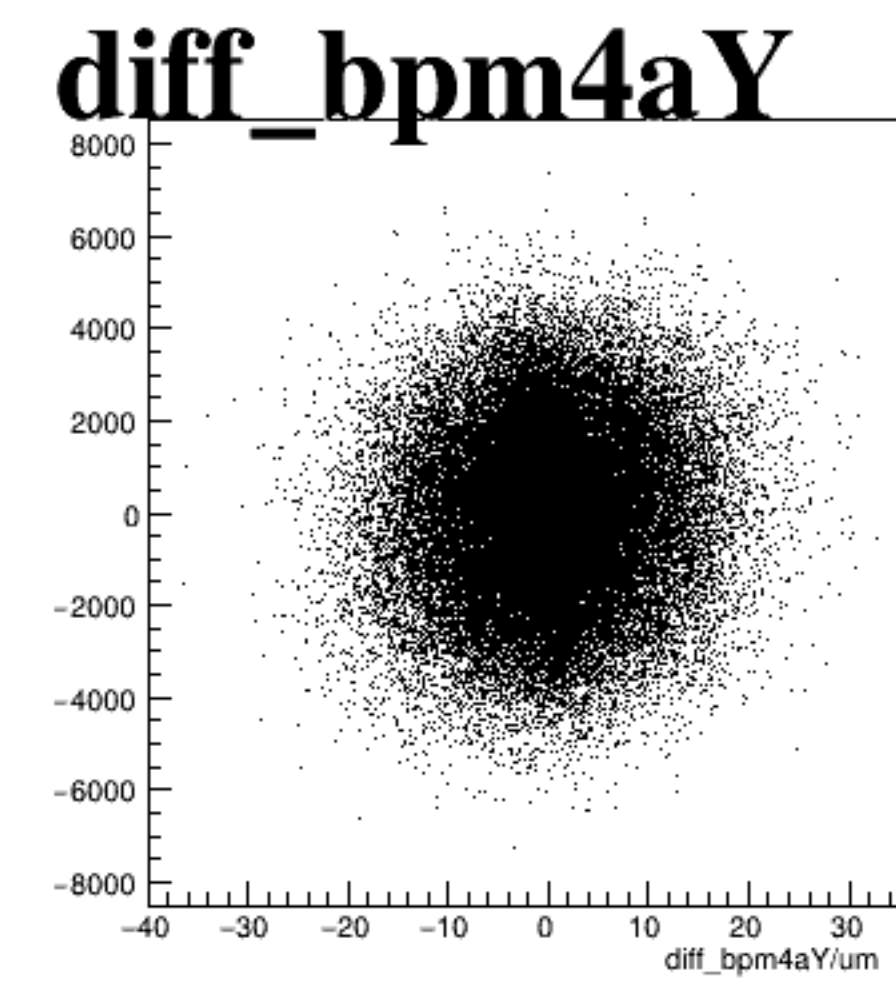
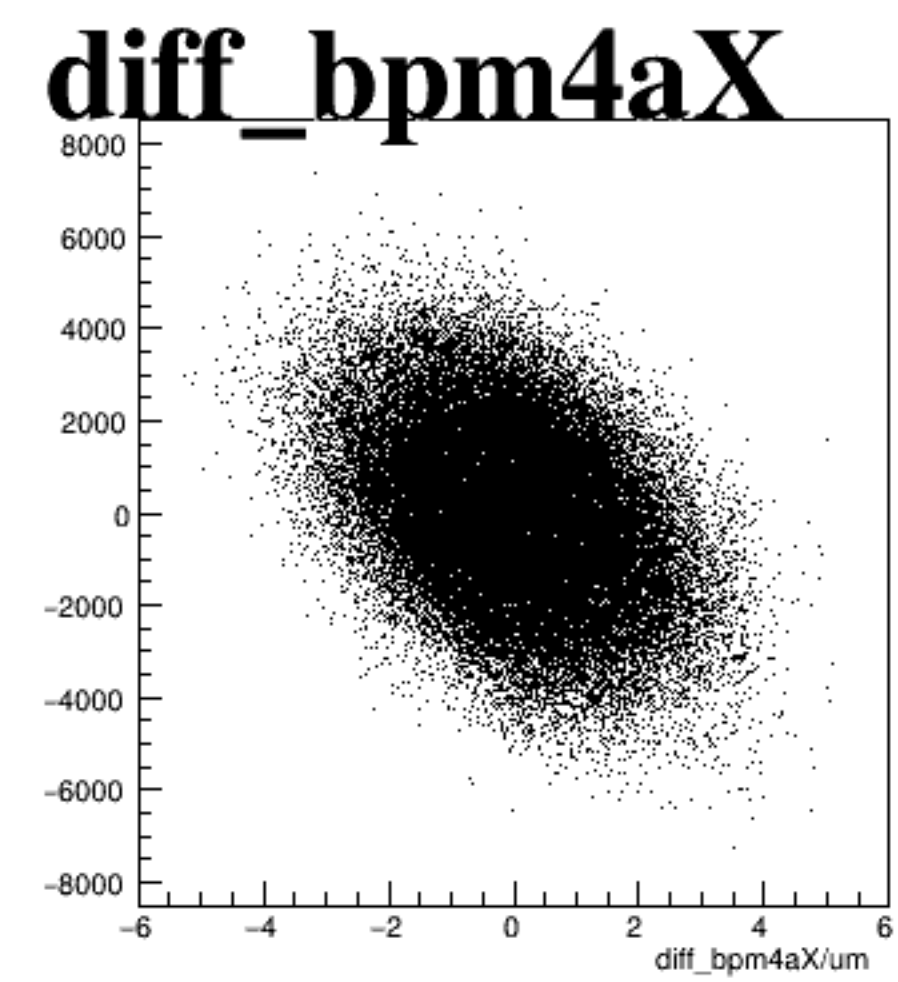
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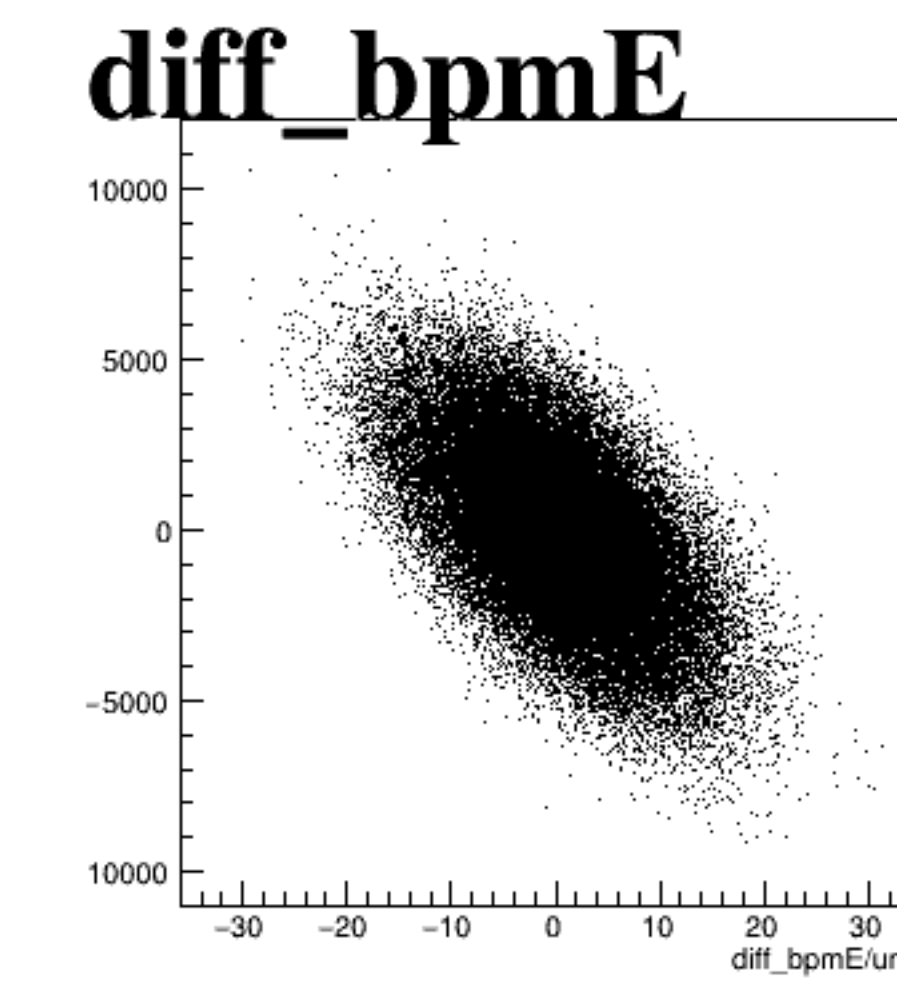
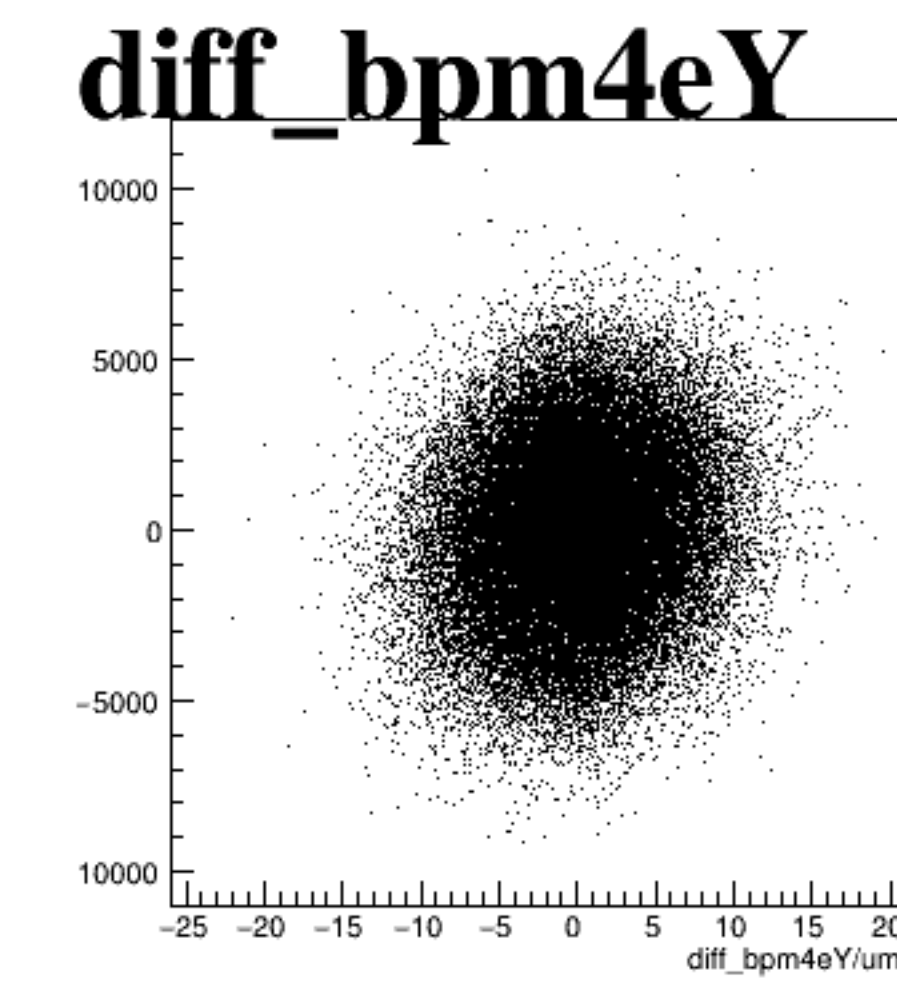
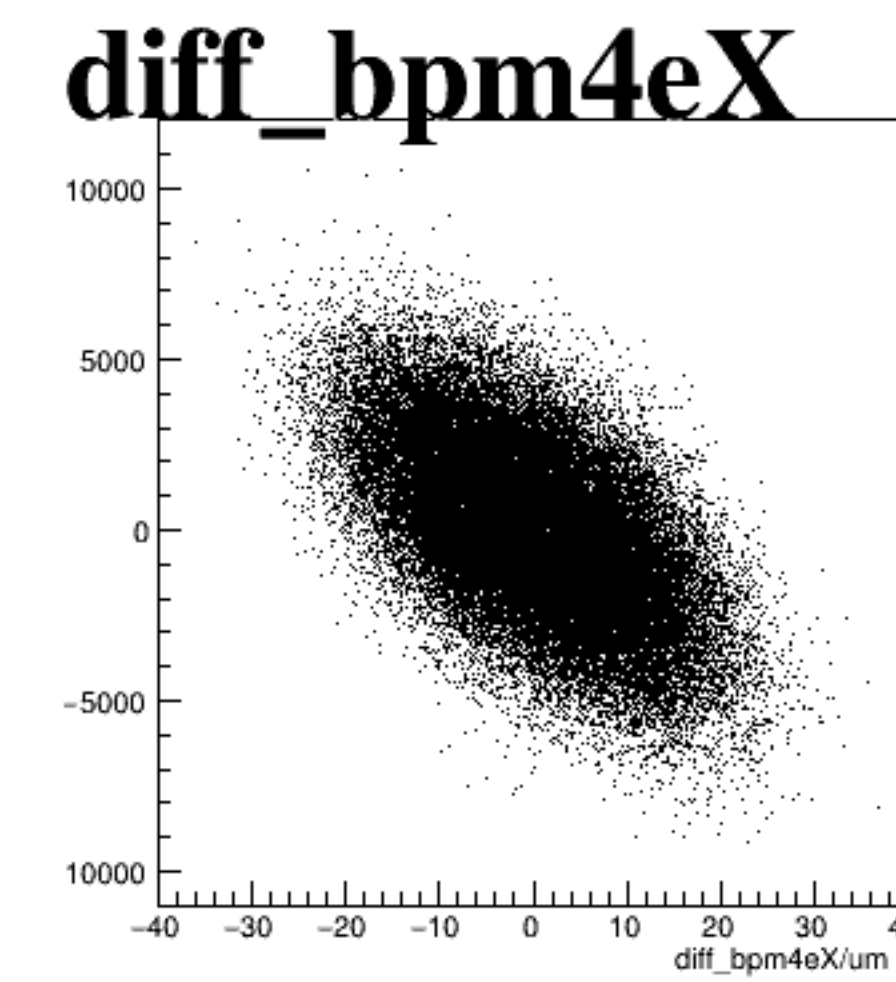
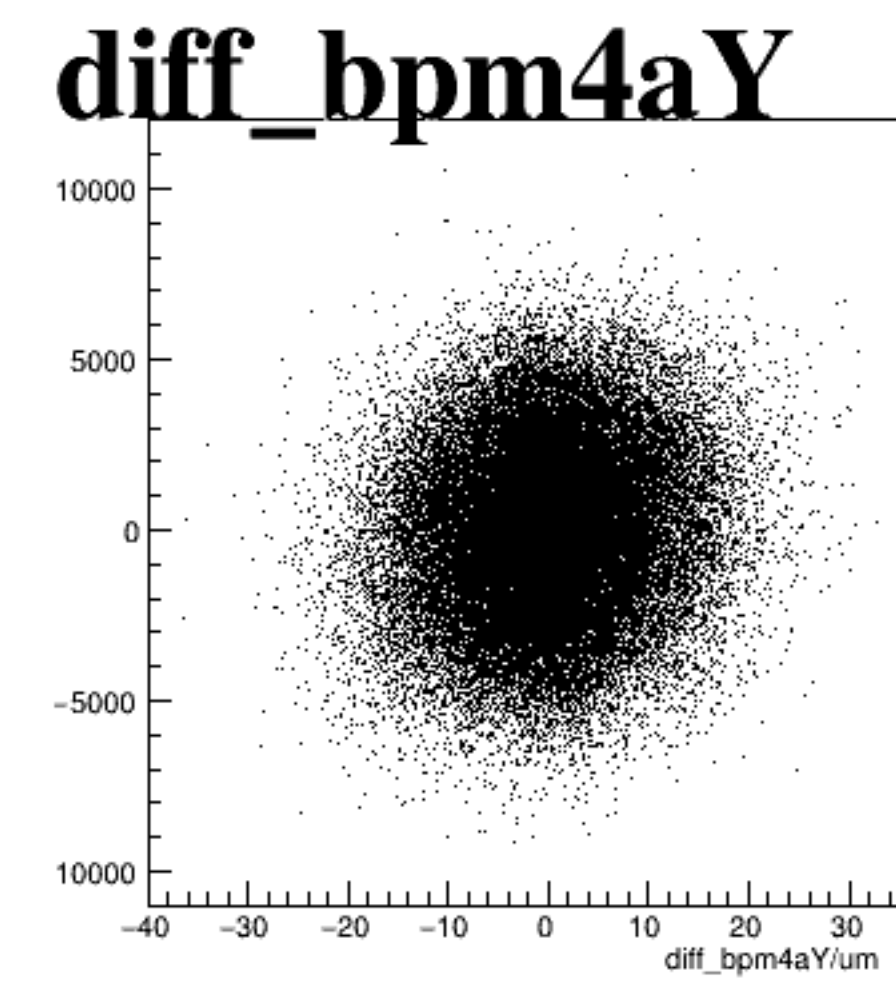
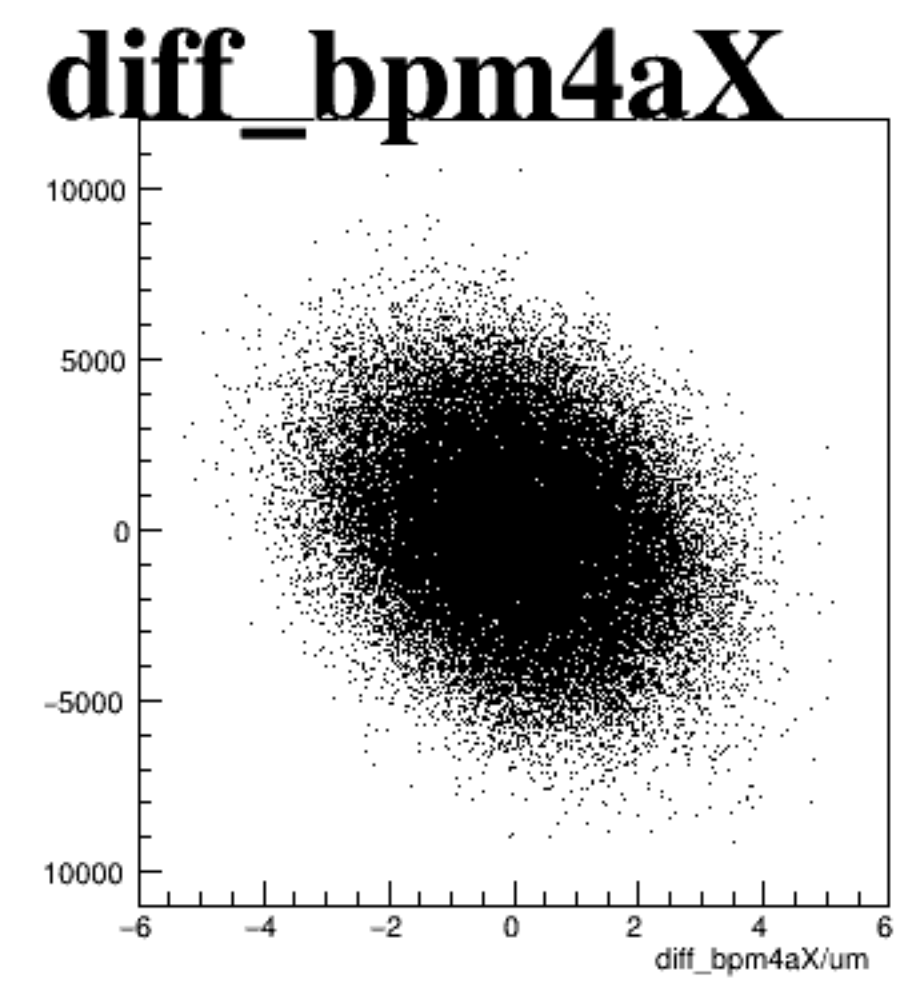
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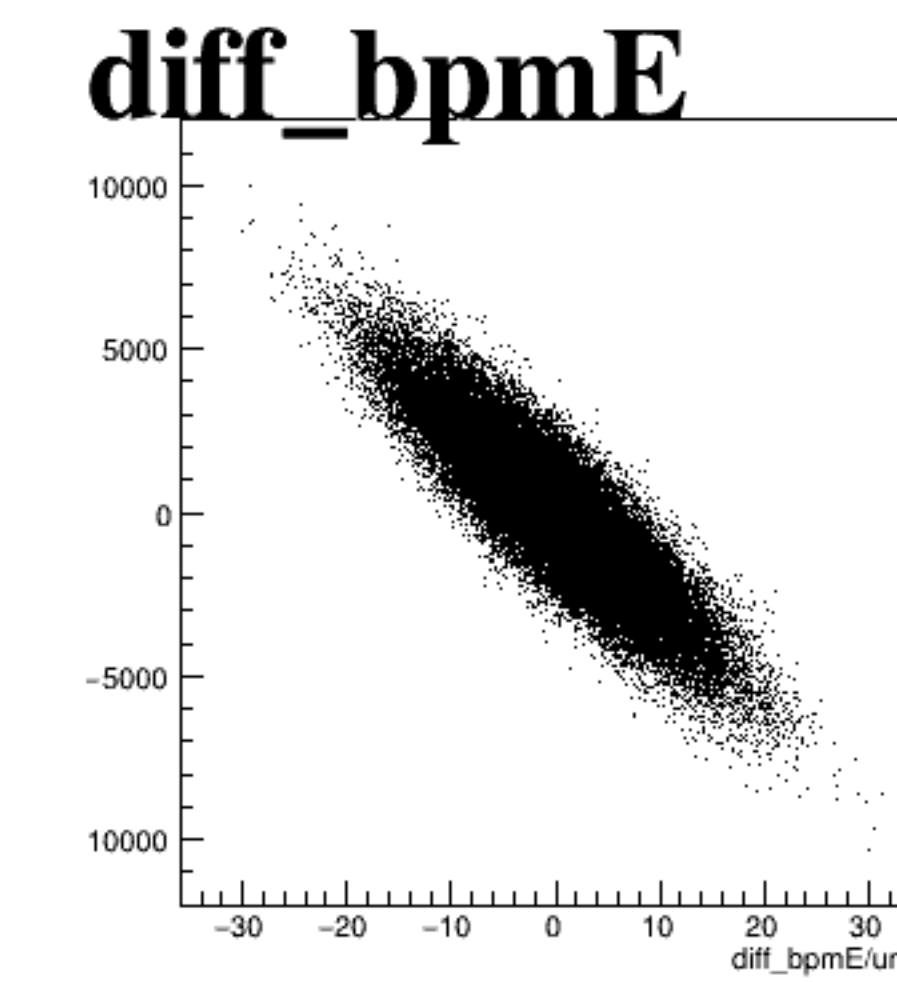
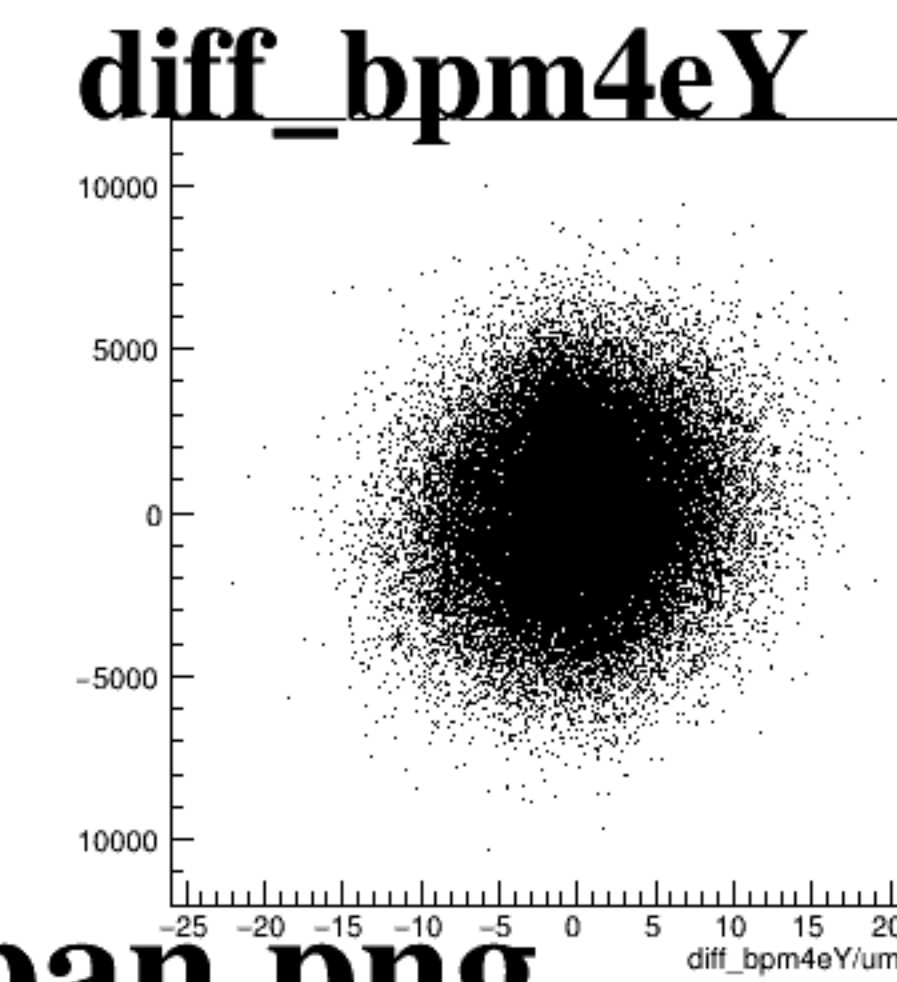
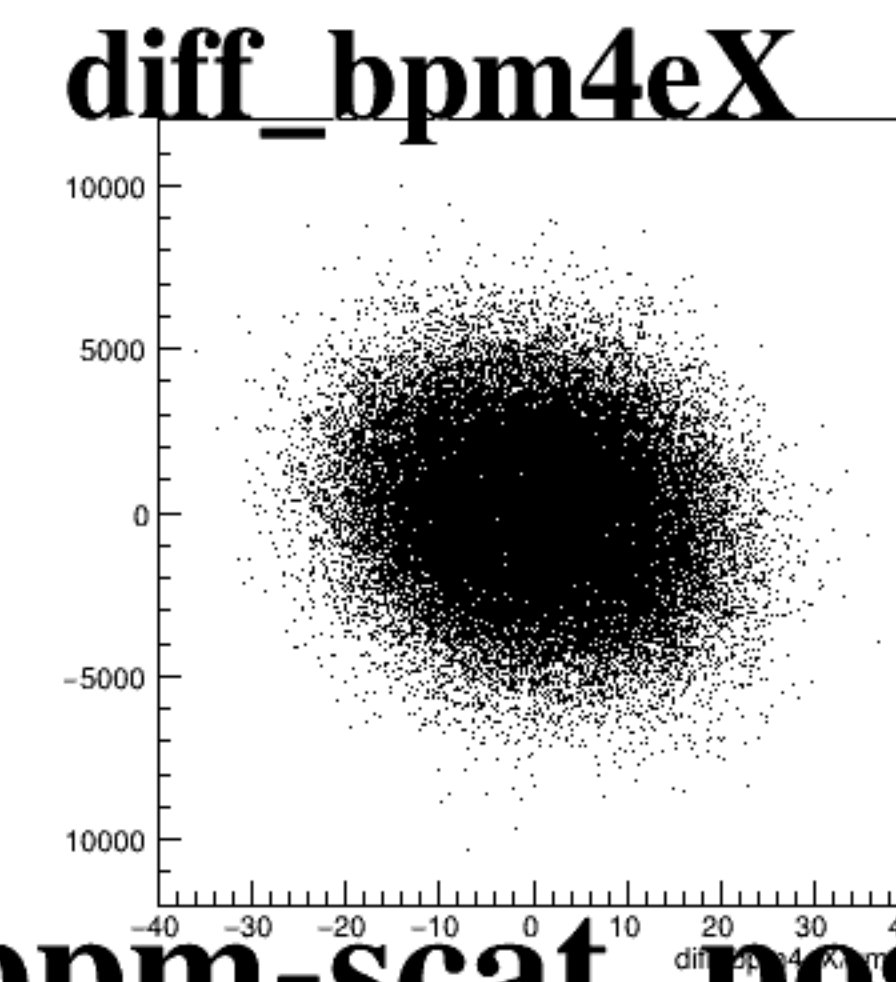
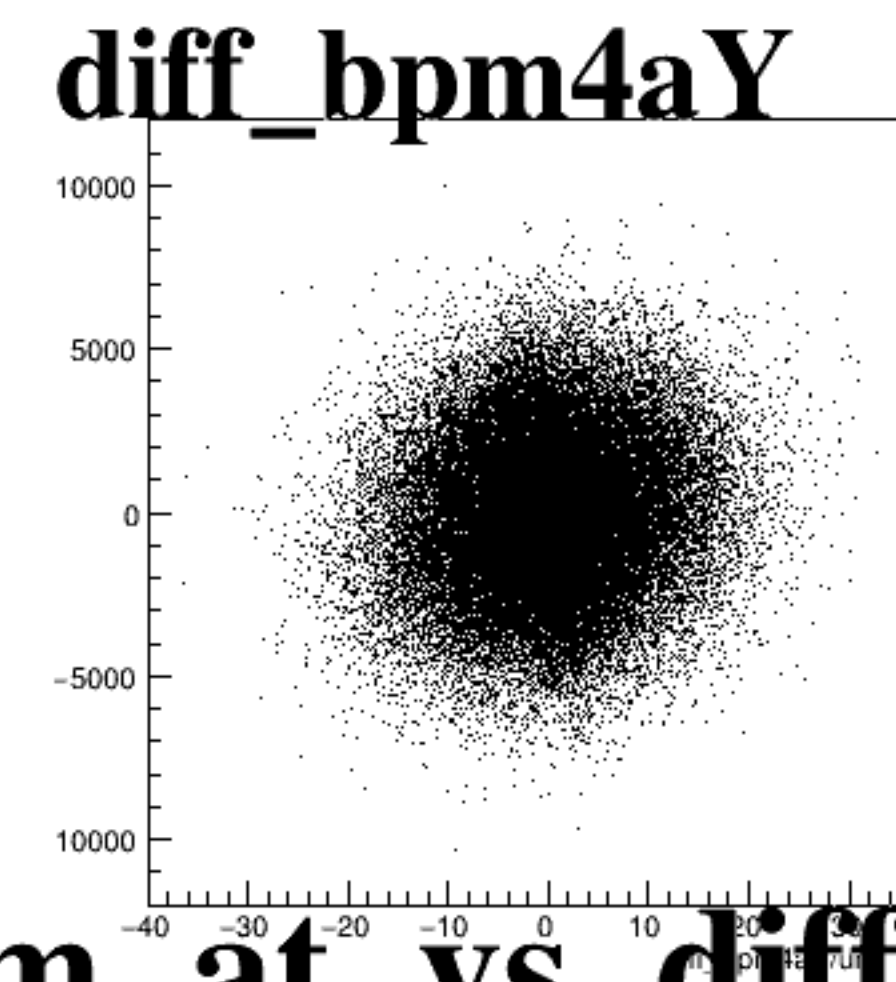
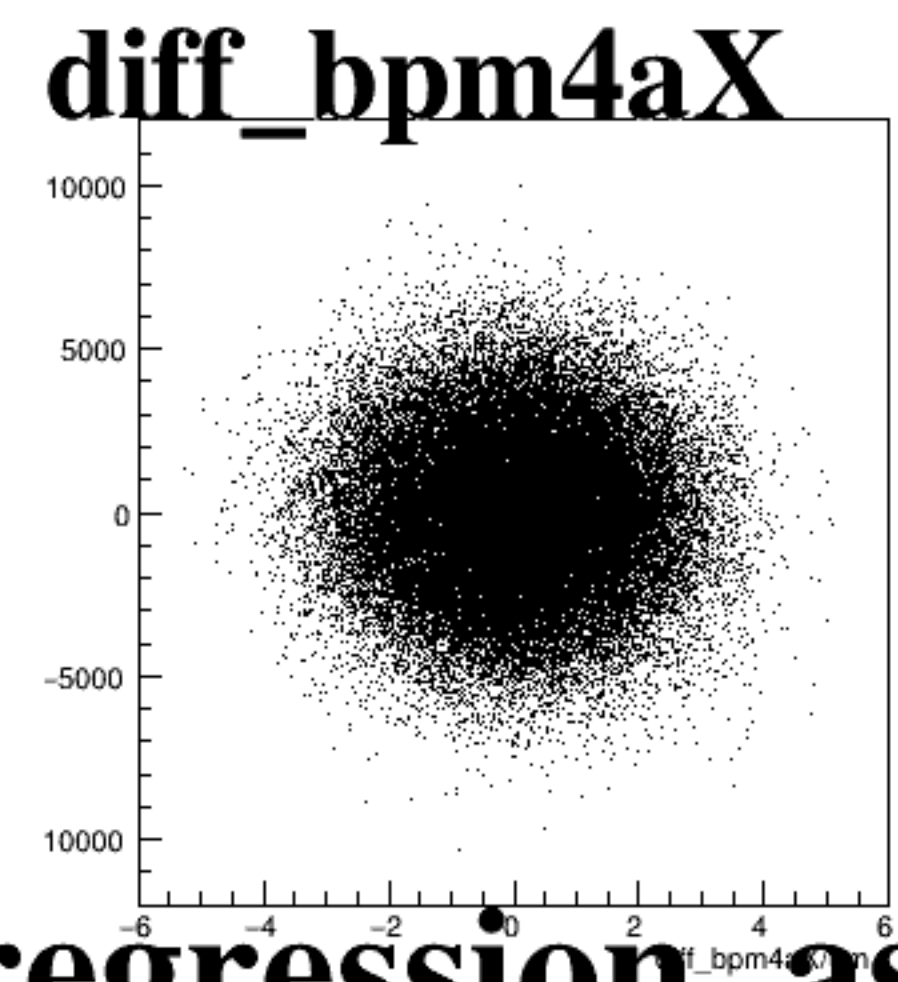
asym_atr1



asym_atl2



asym_atr2



The figure displays five scatter plots, each representing the difference in BPM coordinates for a specific beam position. 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 -2000 to 2000.
- 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 2000.
- diff_bpm4eX**: The x-axis is labeled $\text{diff_bpm4eX}/\mu\text{m}$ and ranges from -40 to 40. The y-axis ranges from -2000 to 2000.
- diff_bpm4eY**: The x-axis is labeled $\text{diff_bpm4eY}/\mu\text{m}$ and ranges from -25 to 20. The y-axis ranges from -2000 to 2000.
- diff_bpmE**: The x-axis is labeled $\text{diff_bpmE}/\mu\text{m}$ and ranges from -30 to 30. The y-axis ranges from -2000 to 2000.

Each plot shows a dense, roughly circular cloud of points centered at the origin (0,0), indicating a Gaussian-like distribution of differences. The points are most concentrated in the center and become sparser towards the edges of the distribution.

The figure consists of five scatter plots arranged horizontally, each showing the distribution of diffraction orders for a different BPM. The plots are titled 'diff_bpm4aX', 'diff_bpm4aY', 'diff_bpm4eX', 'diff_bpm4eY', and 'diff_bpmE'. Each plot has a y-axis ranging from -2000 to 2000 and an x-axis ranging from -6 to 6, -40 to 30, -40 to 40, -25 to 20, and -30 to 30, respectively. The data points are densely packed in a circular pattern around the origin, indicating a Gaussian-like distribution of the diffraction orders.