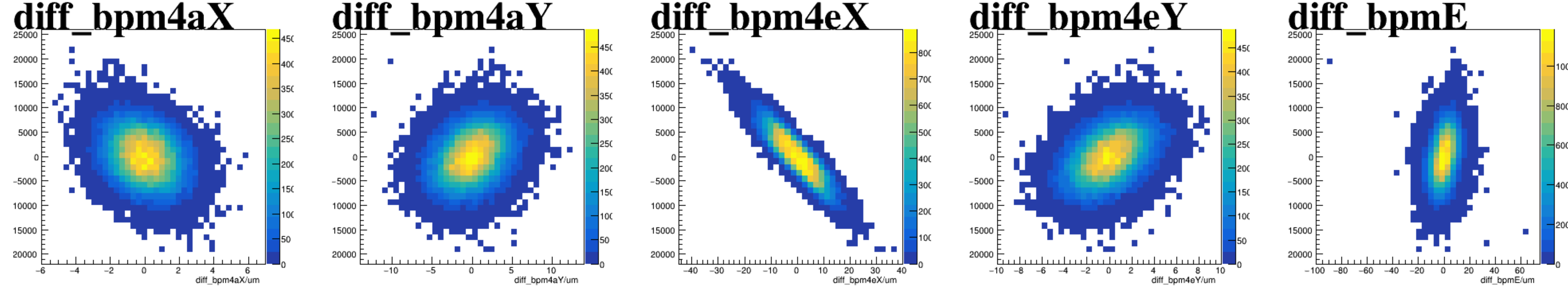
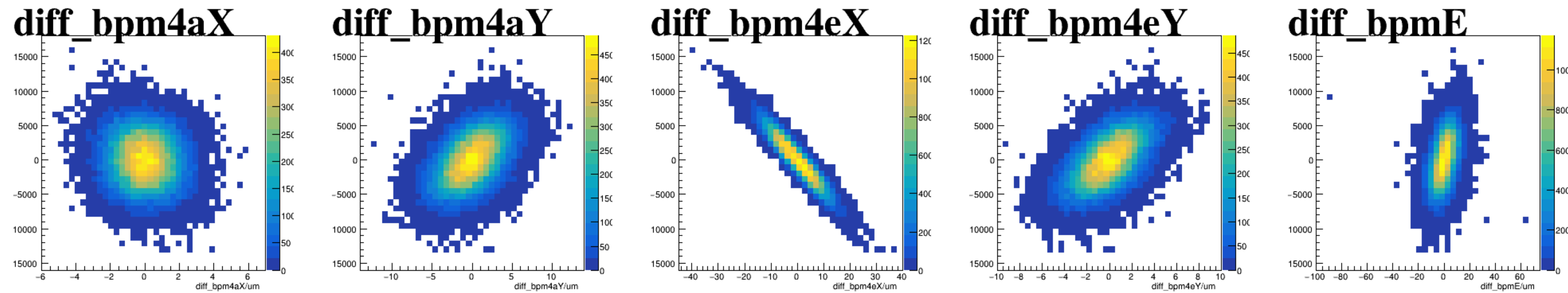


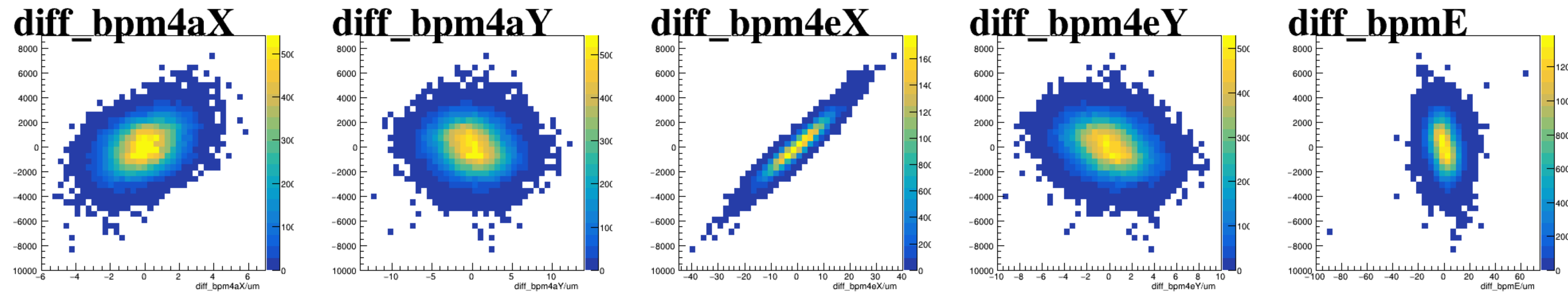
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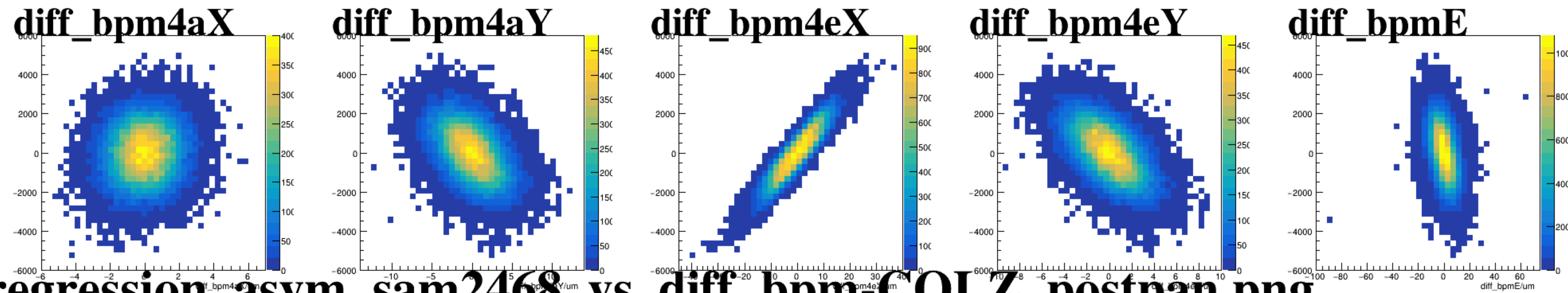
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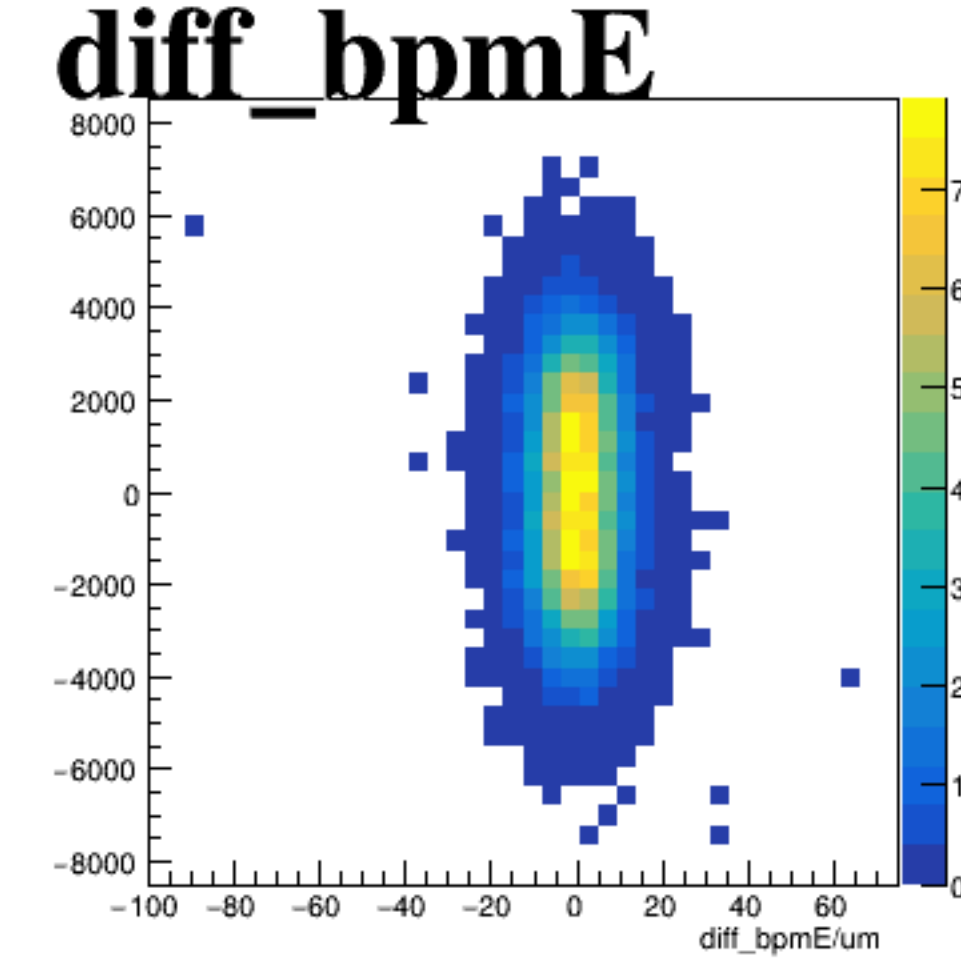
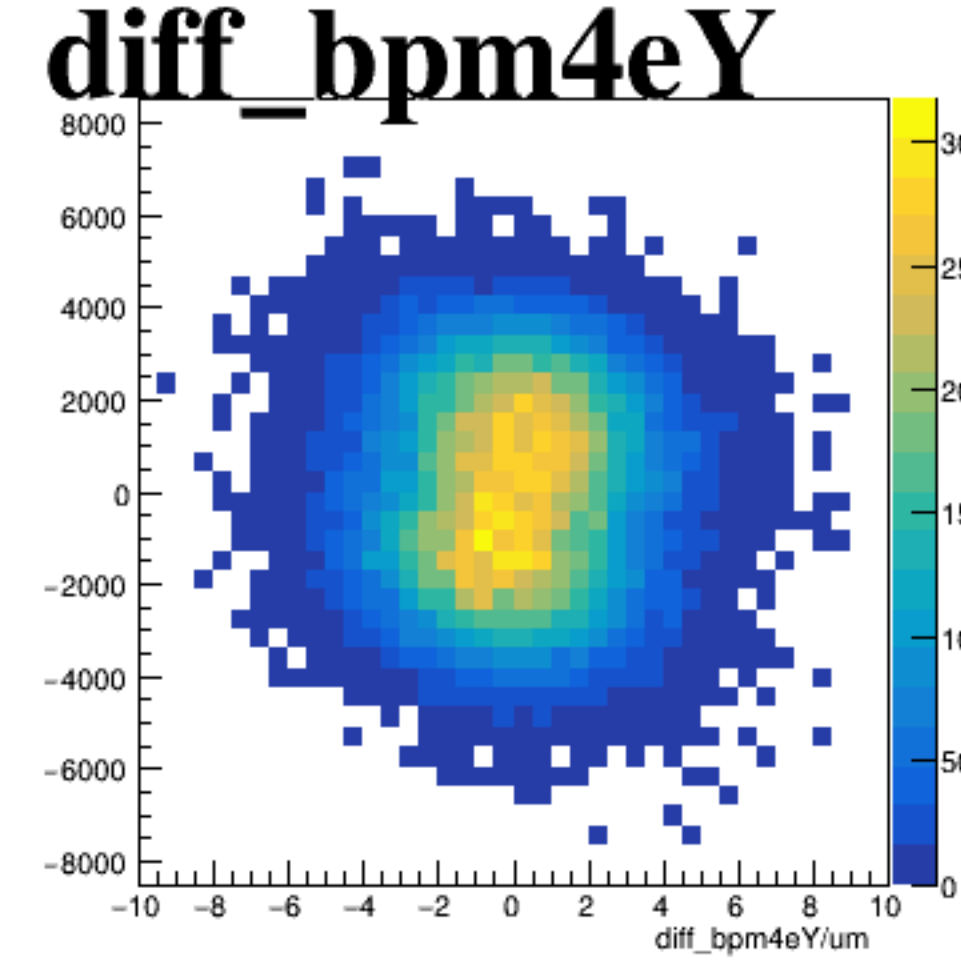
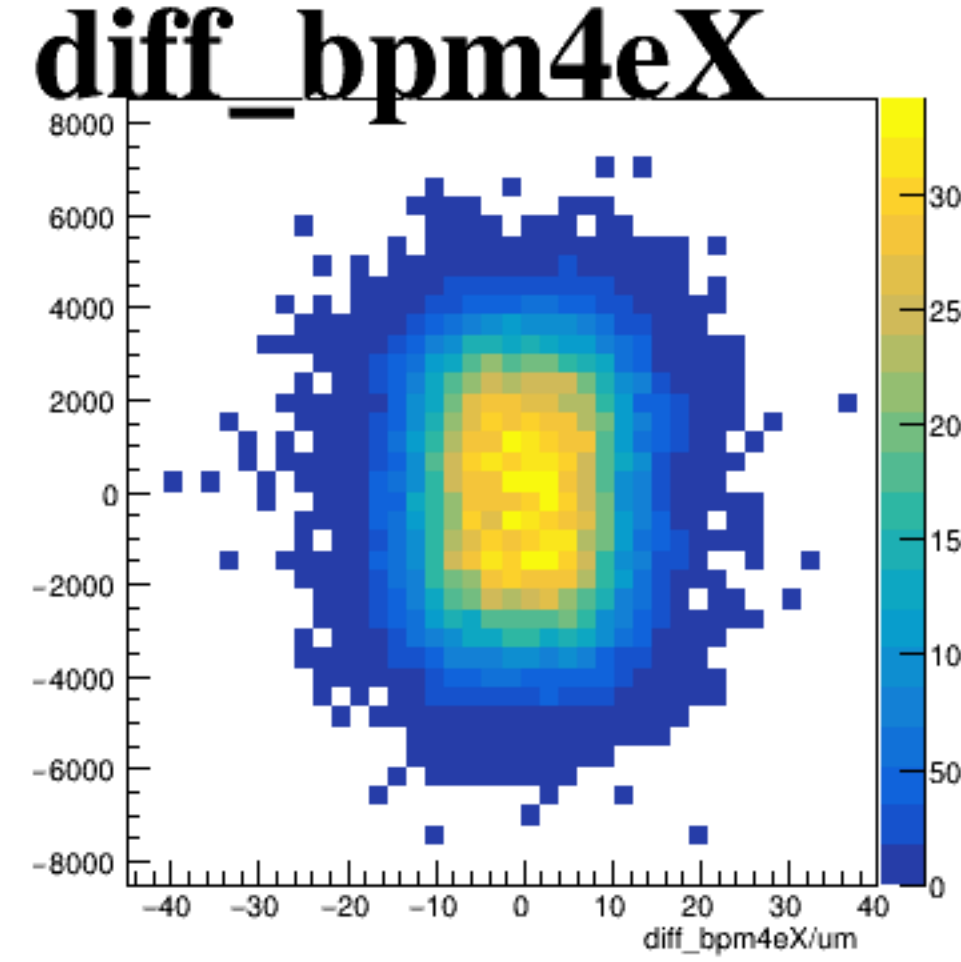
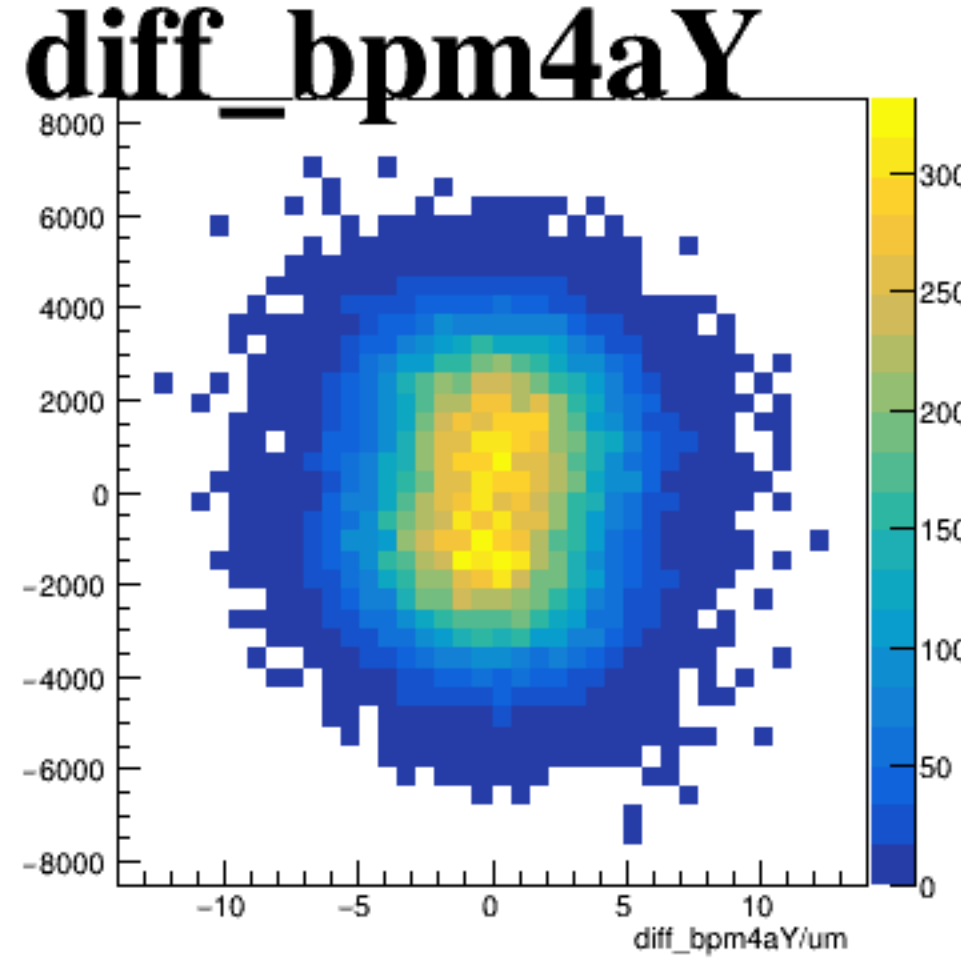
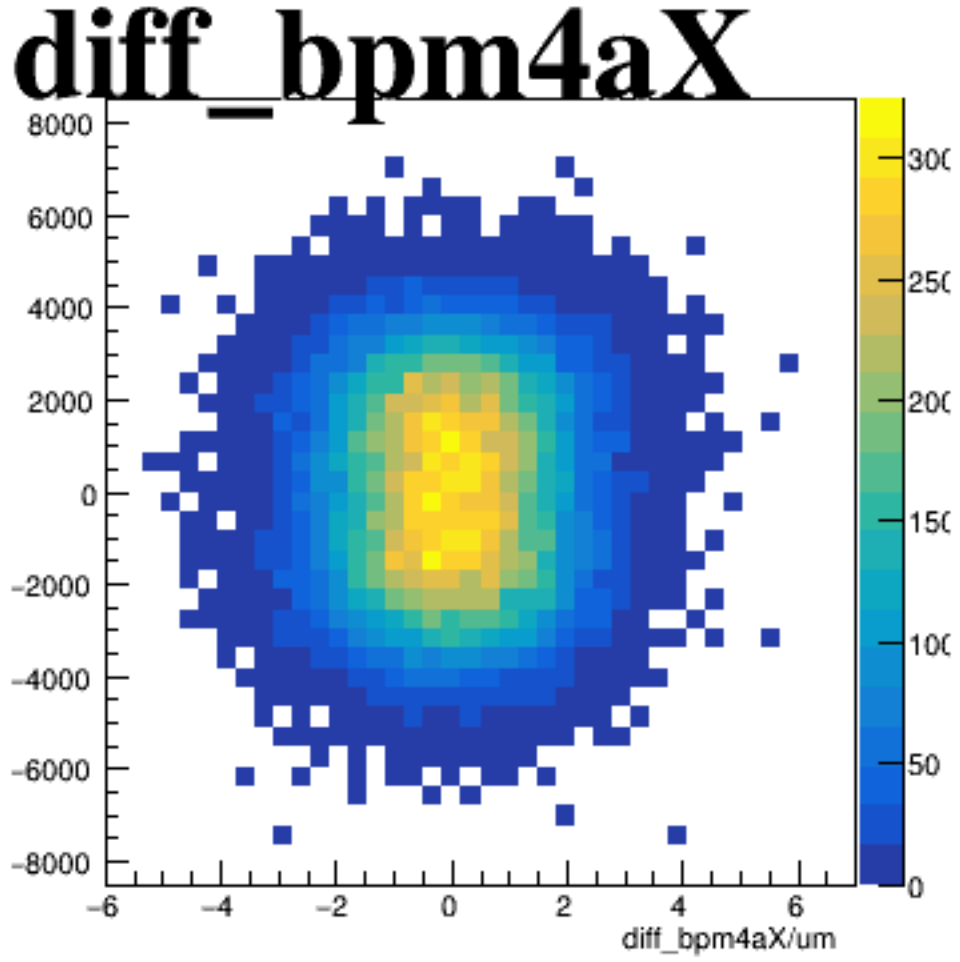
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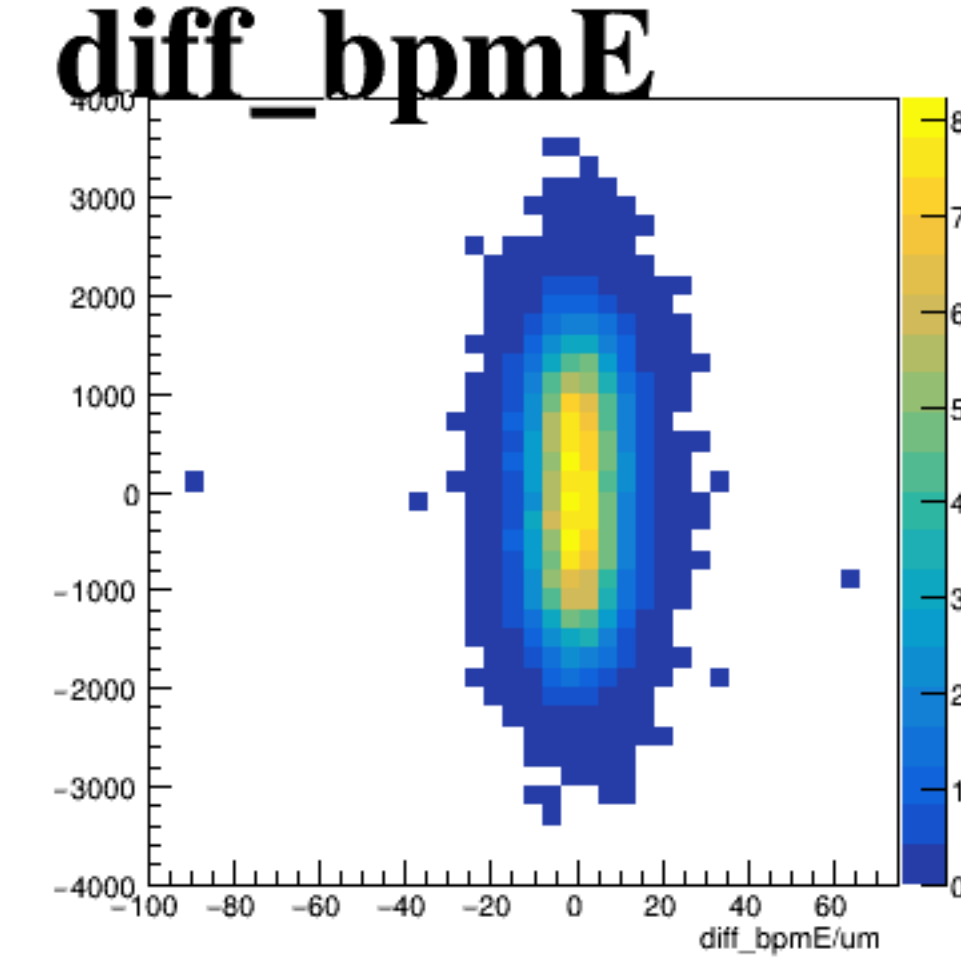
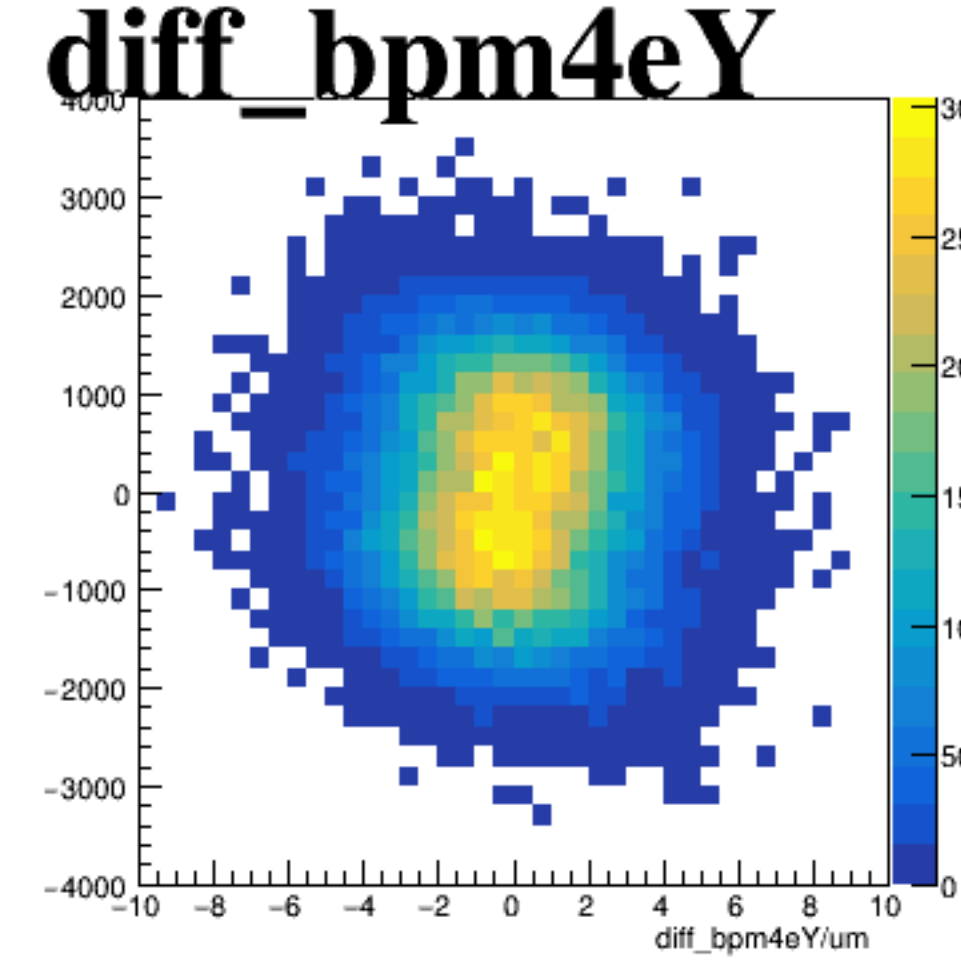
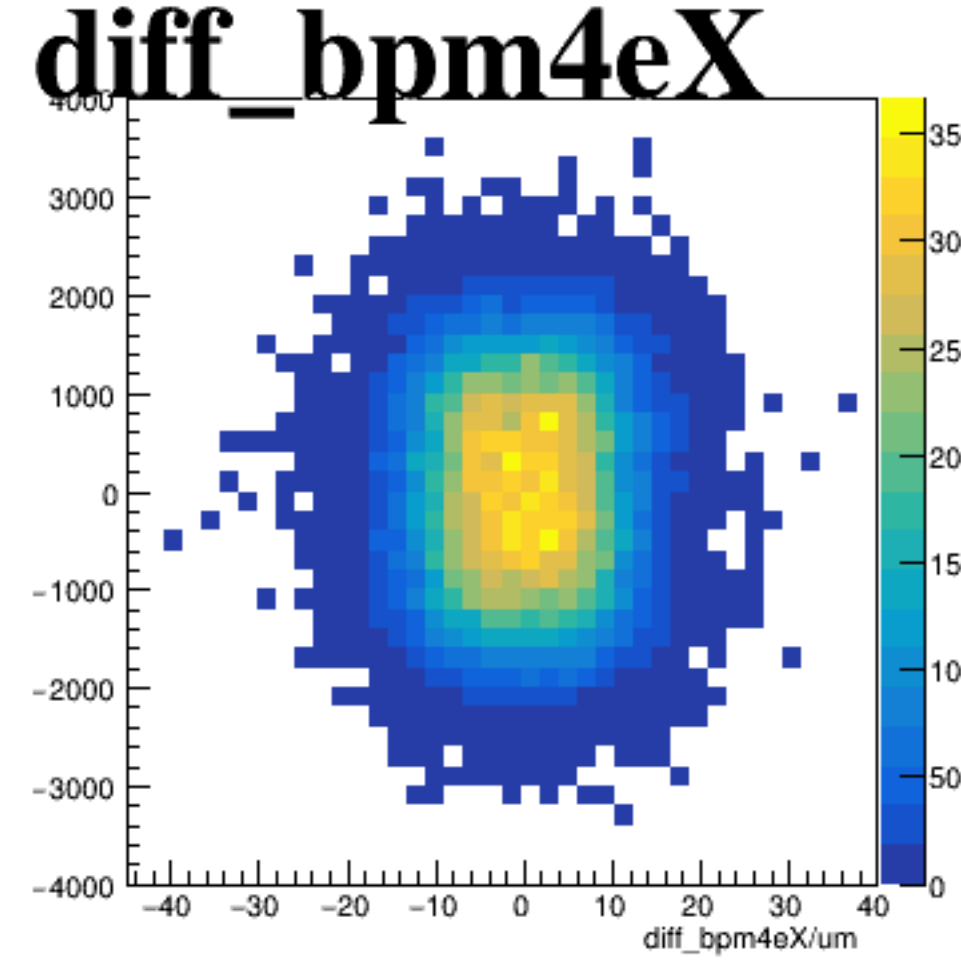
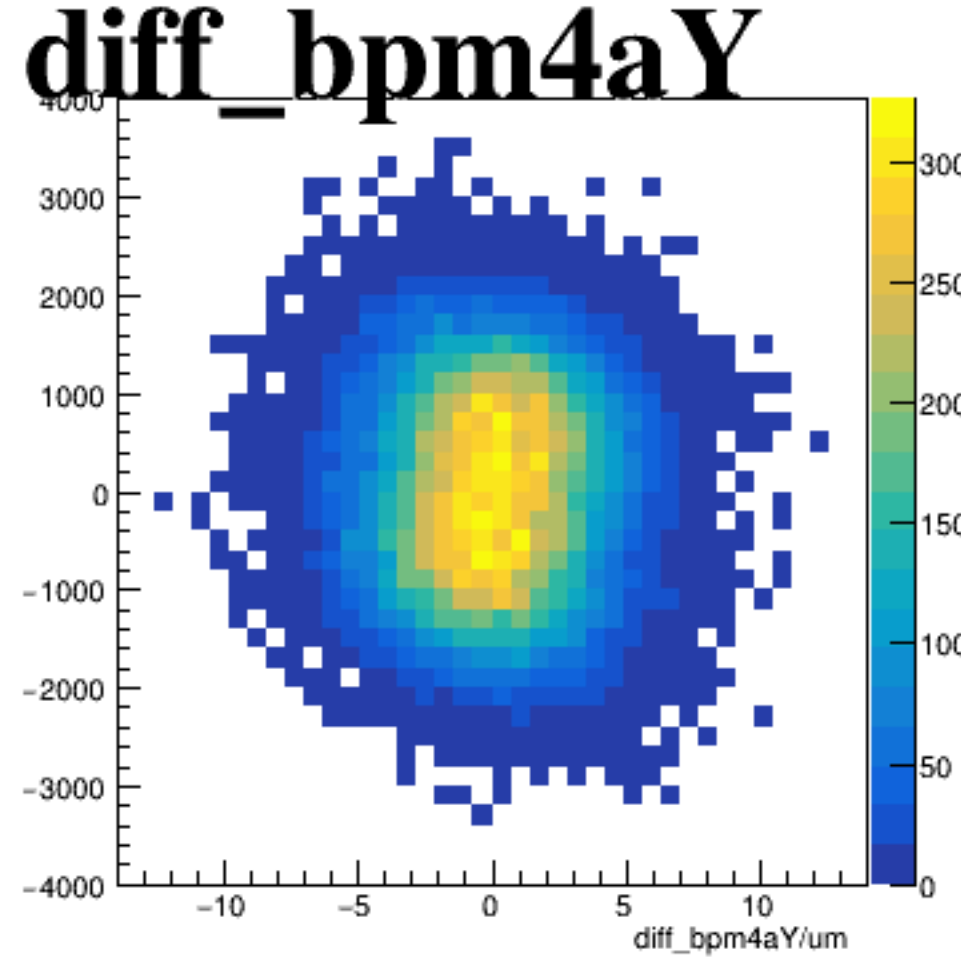
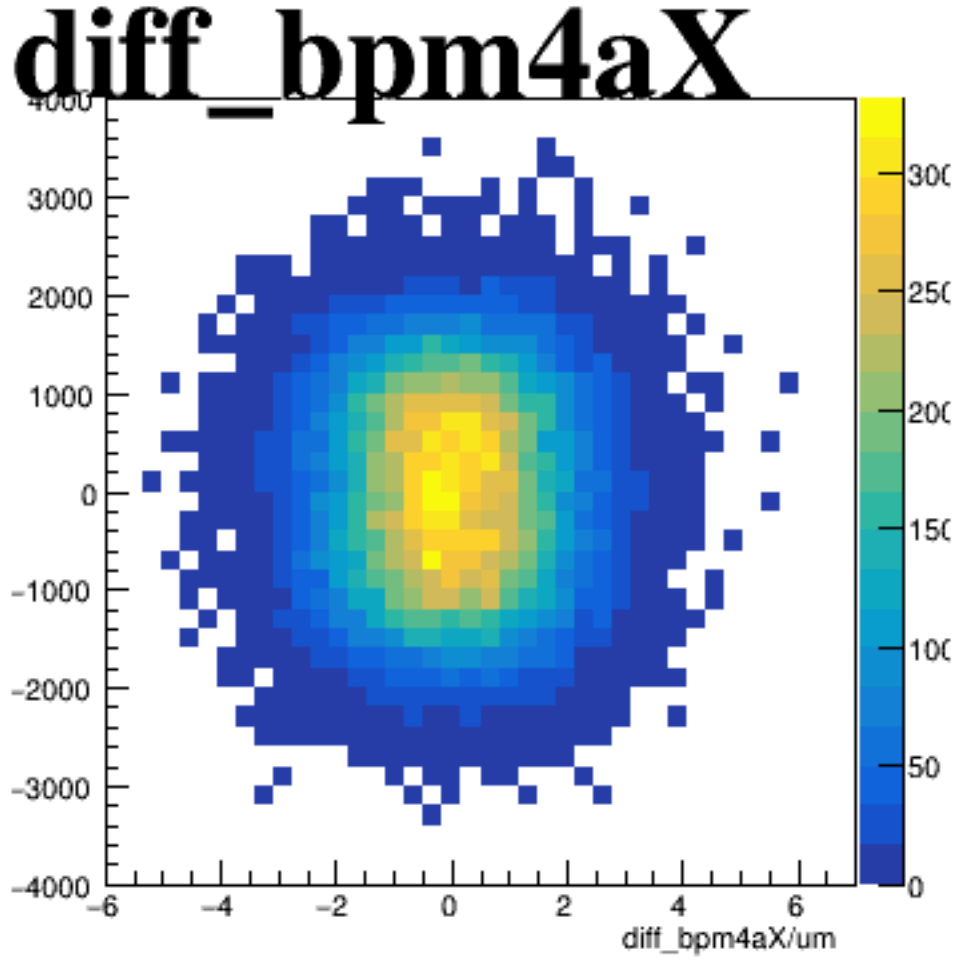
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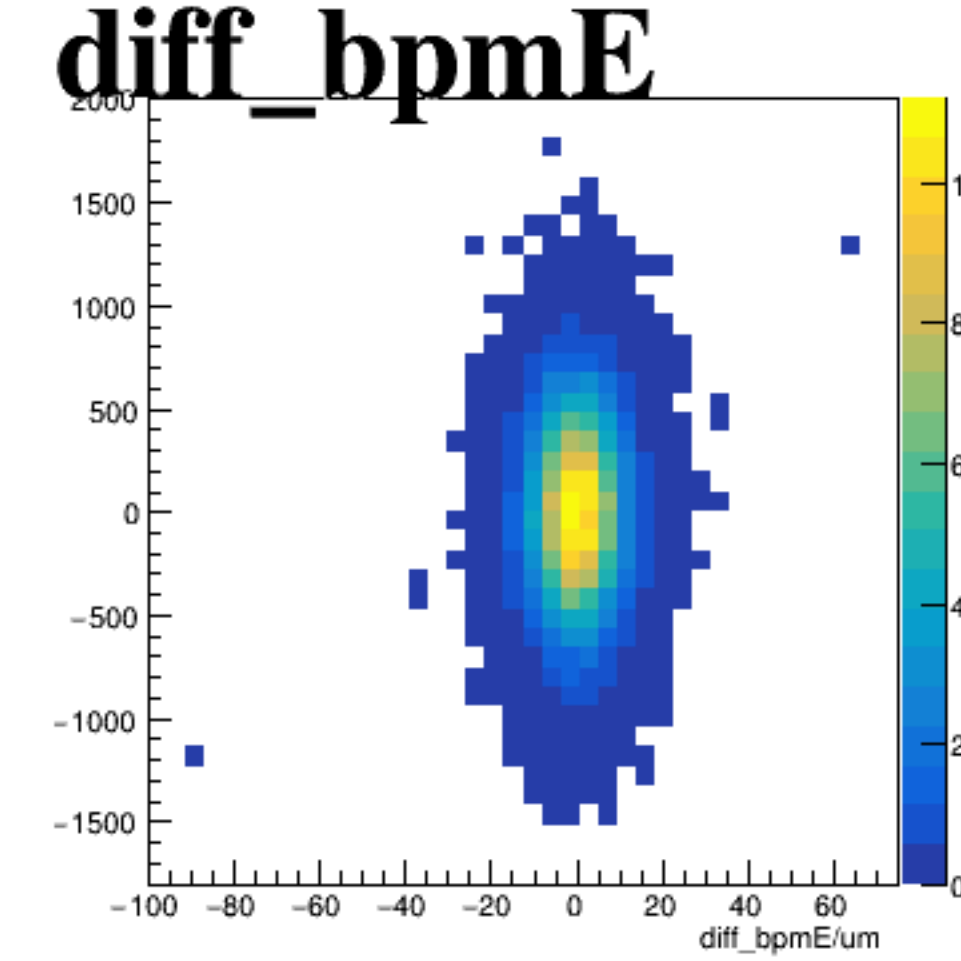
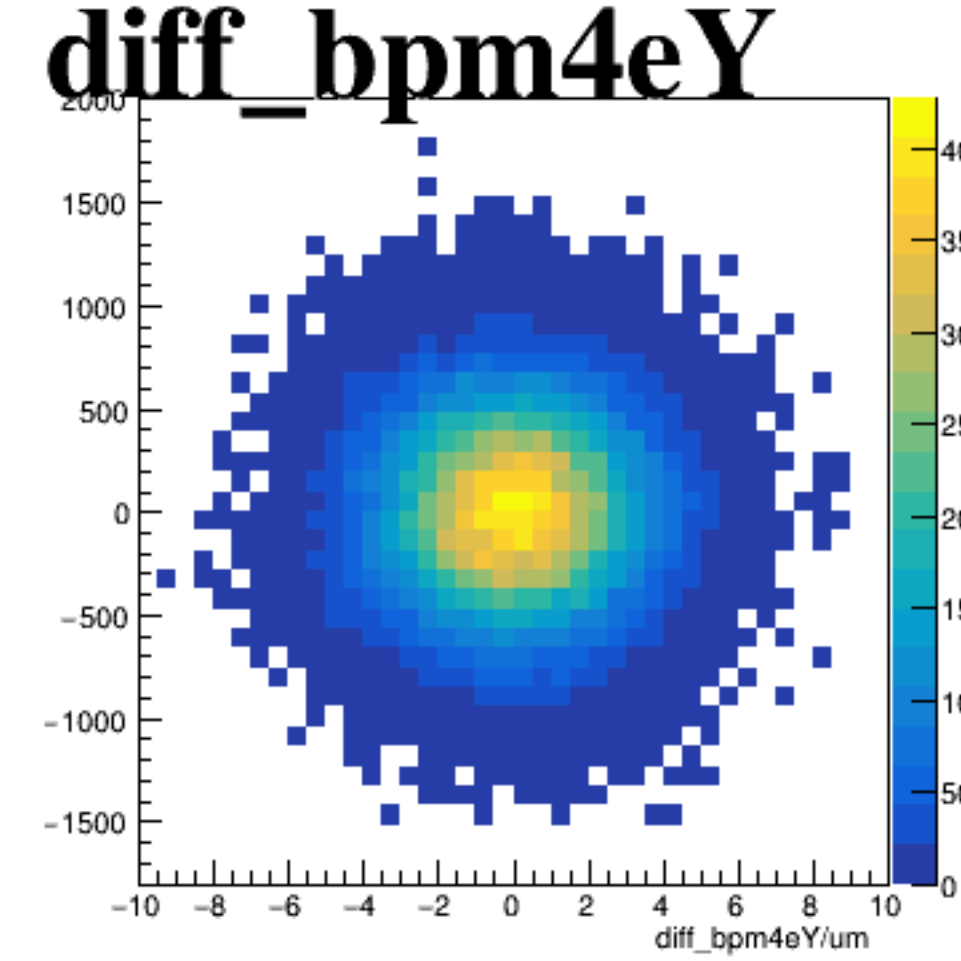
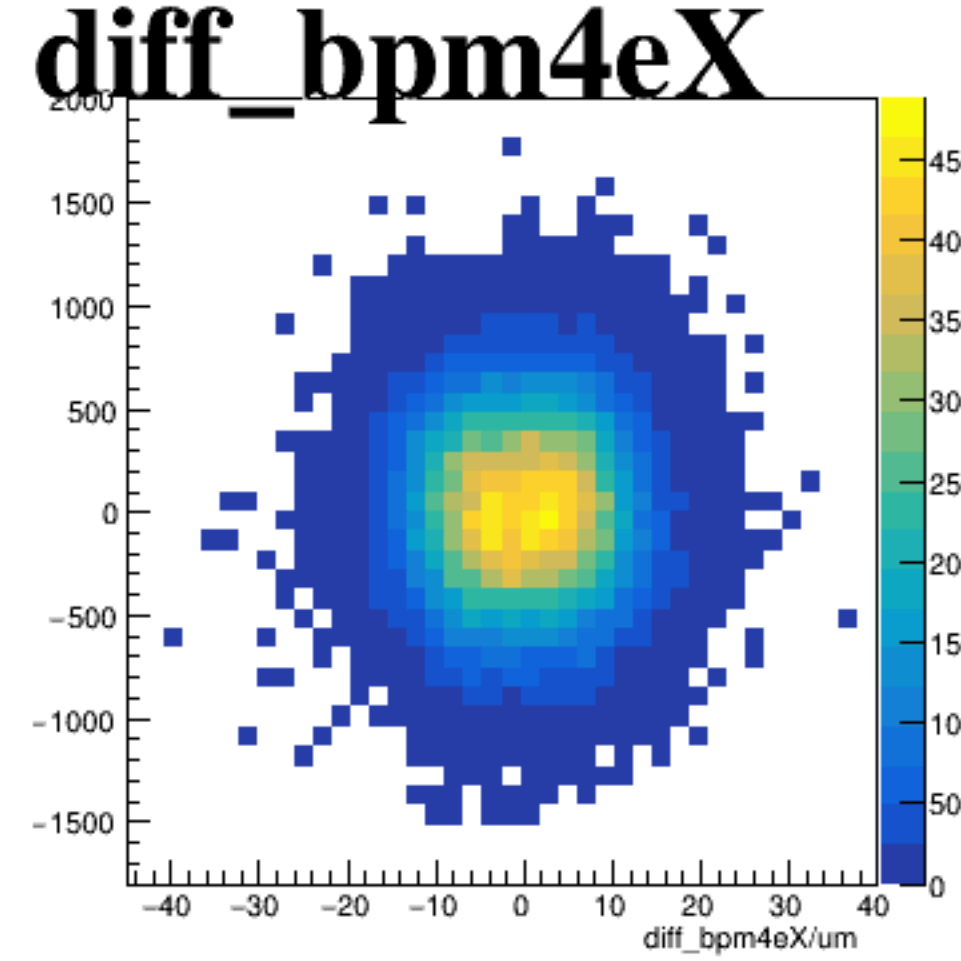
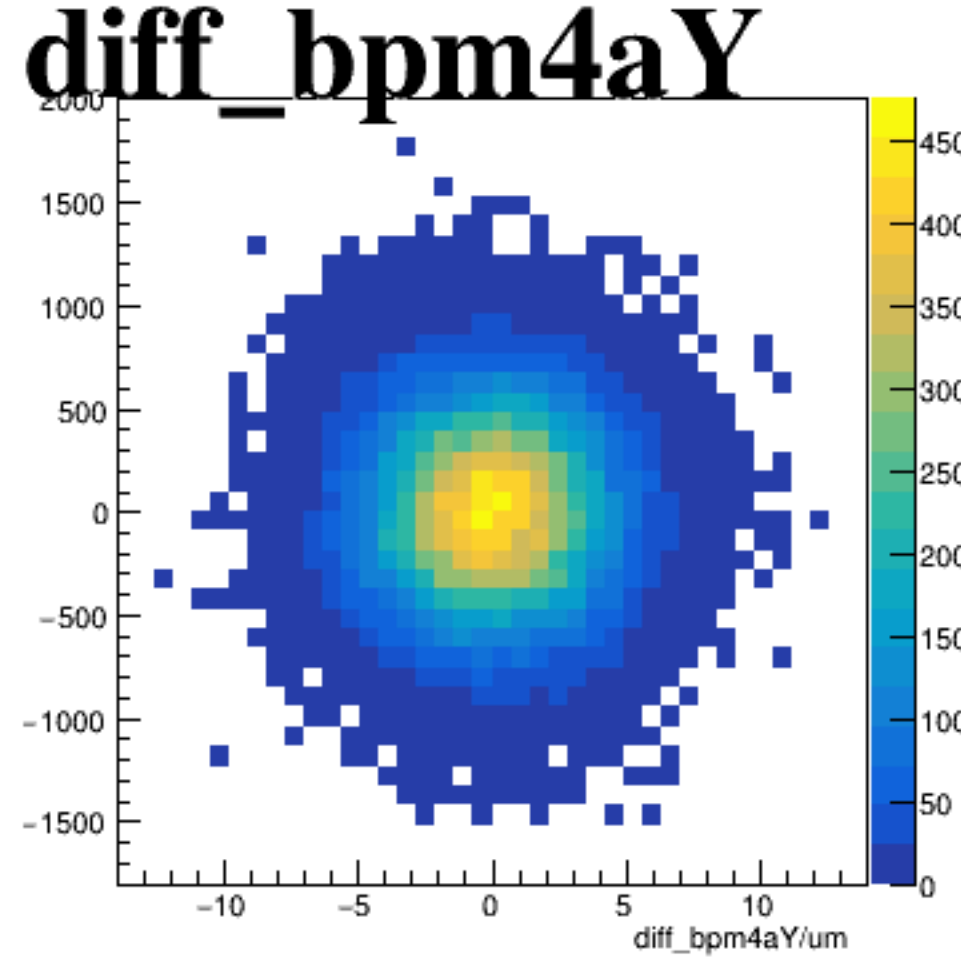
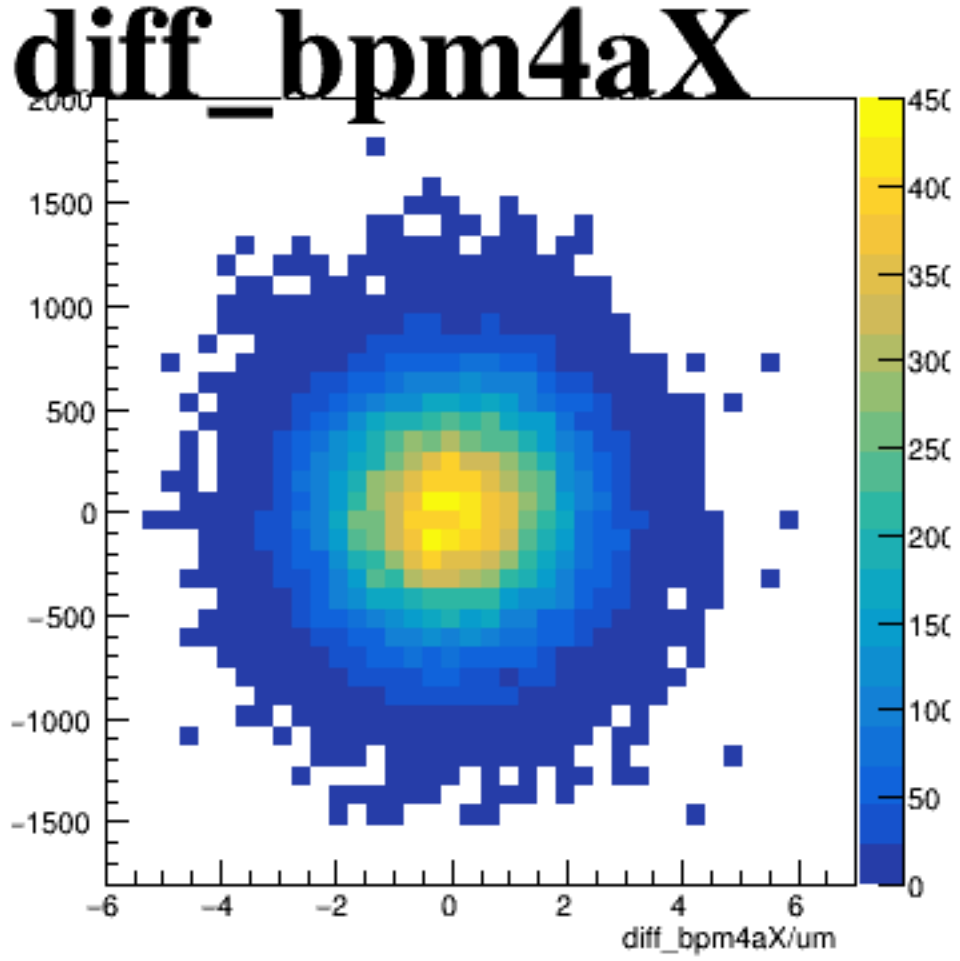
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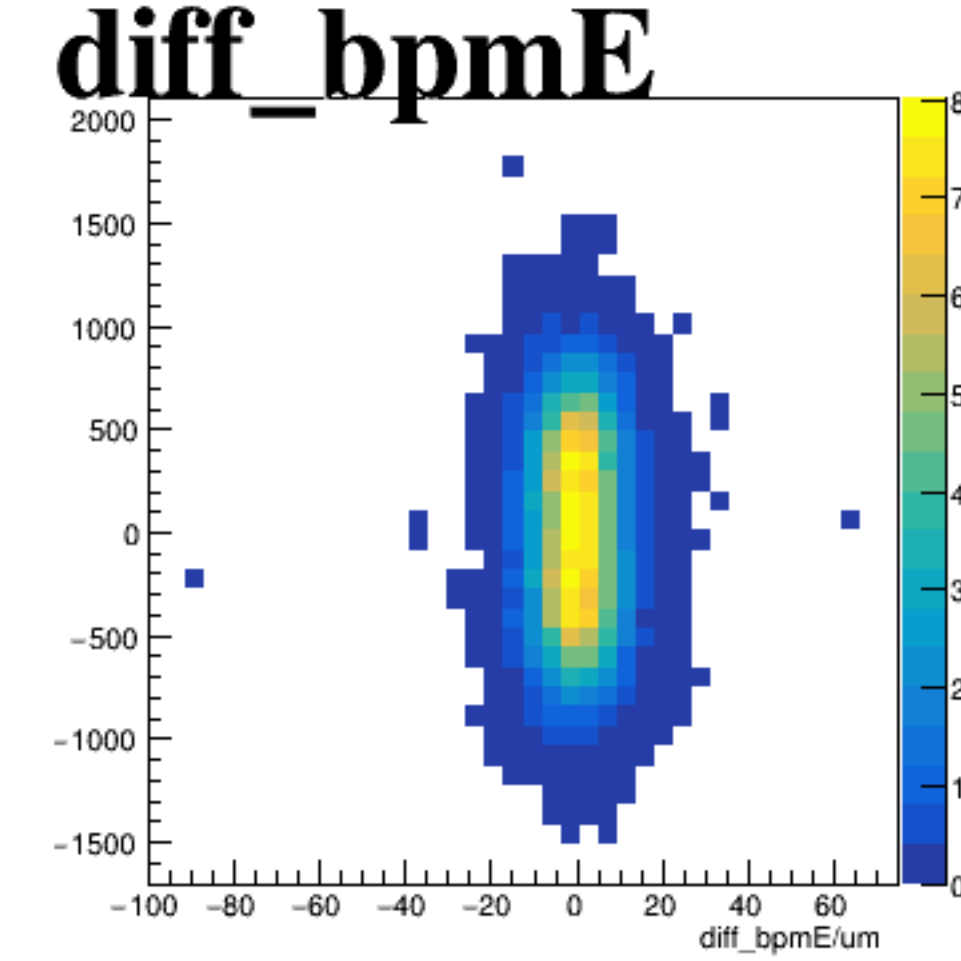
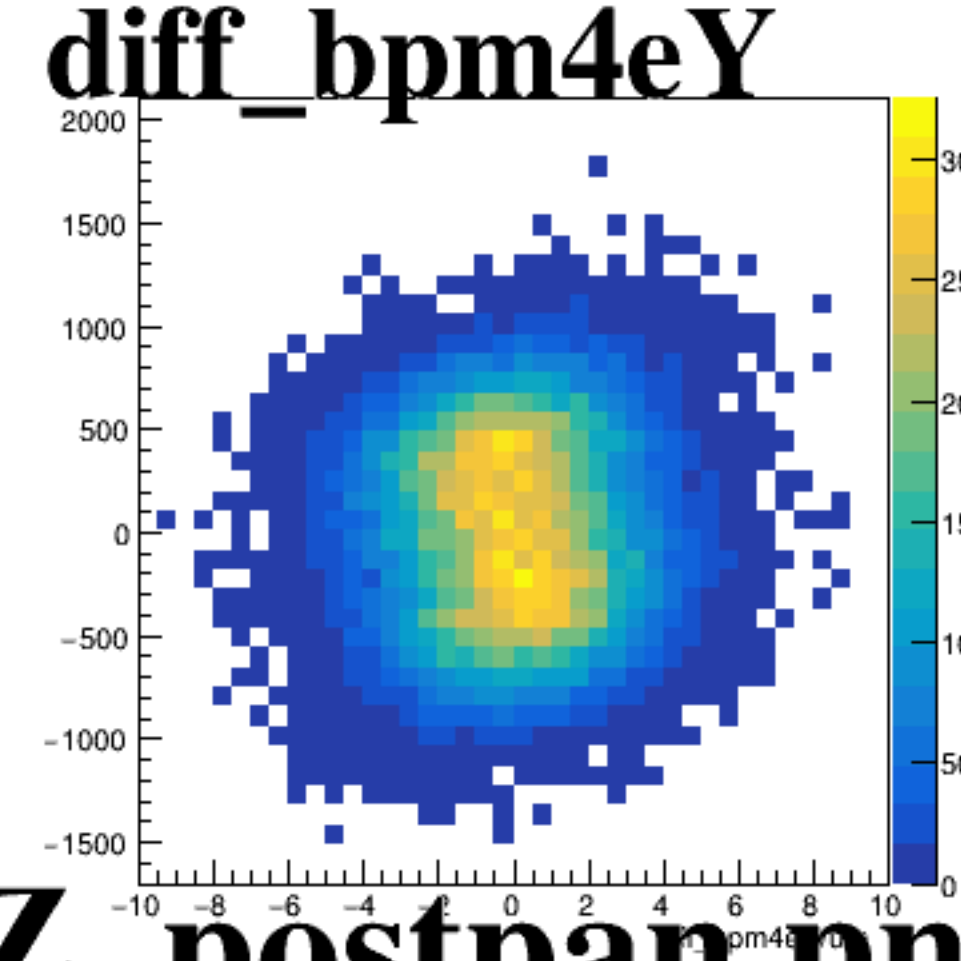
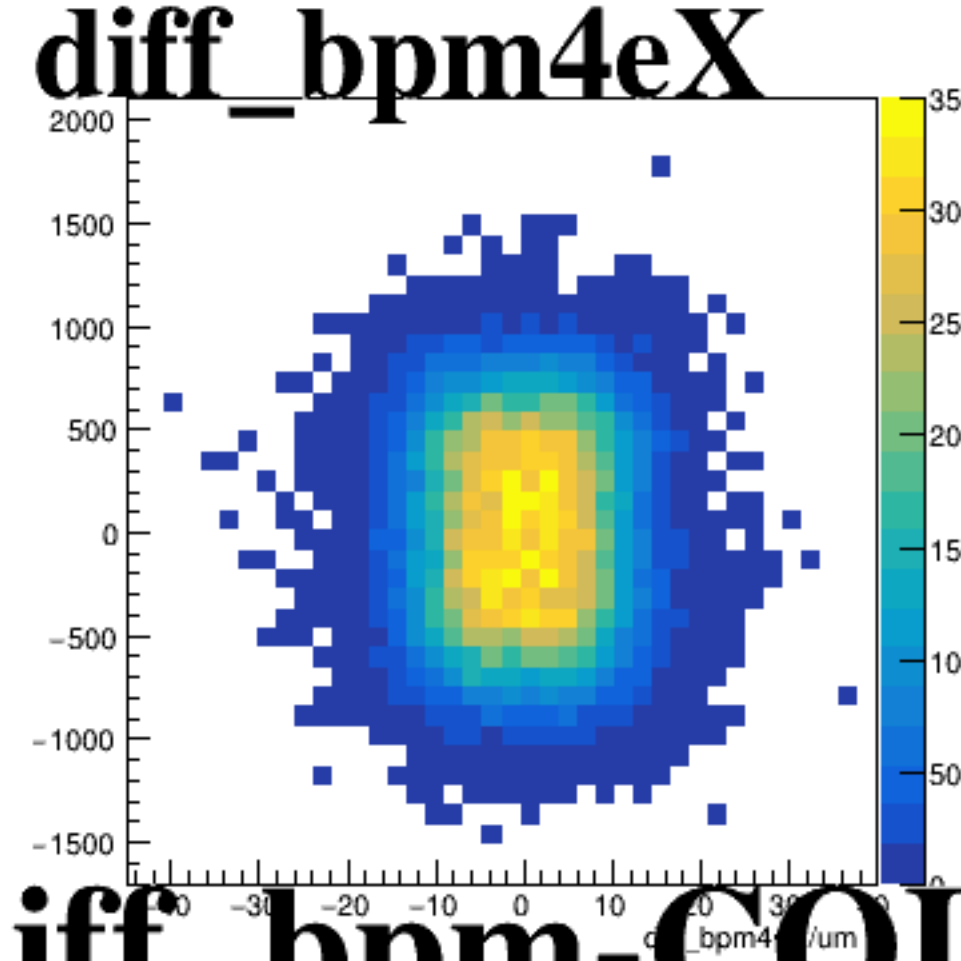
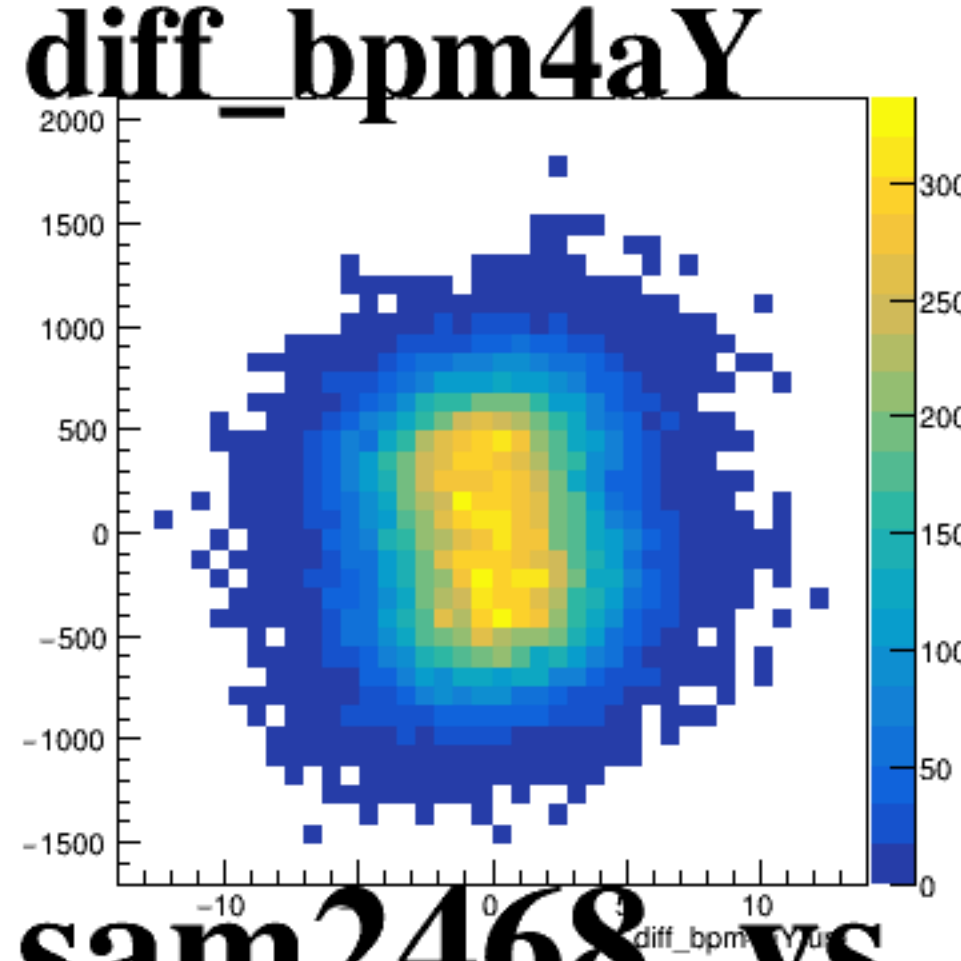
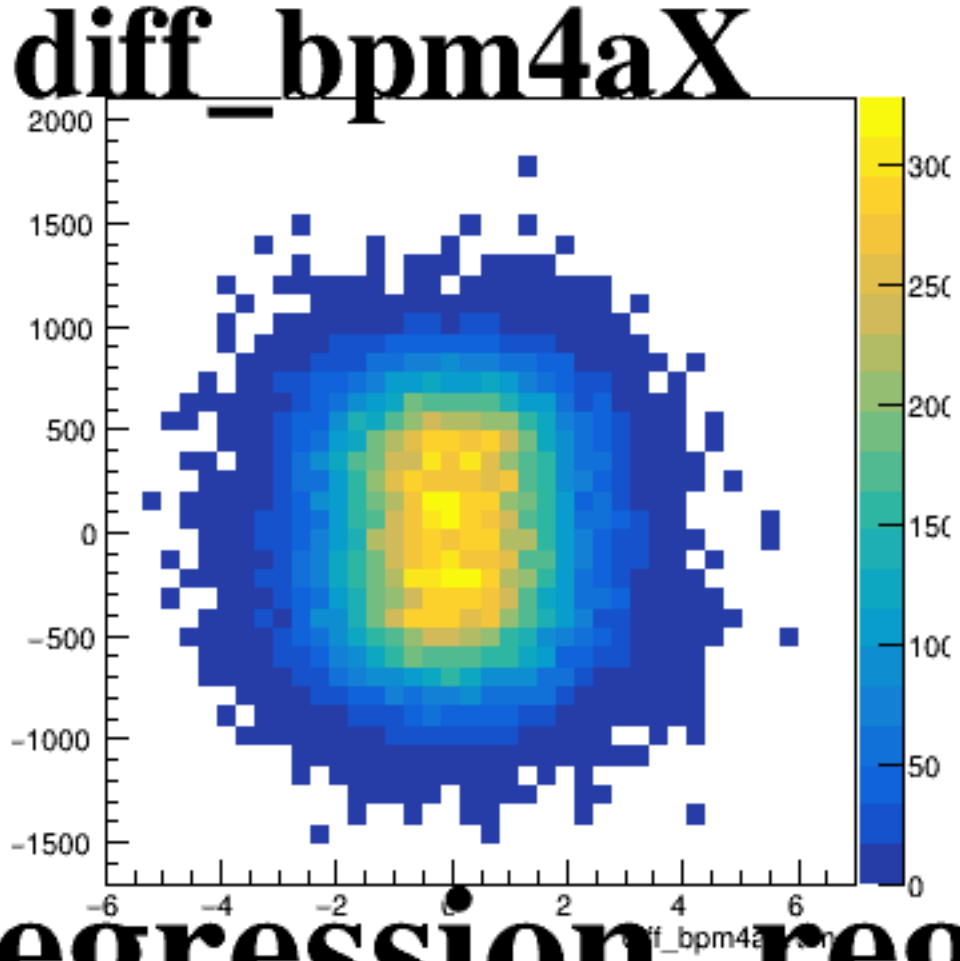
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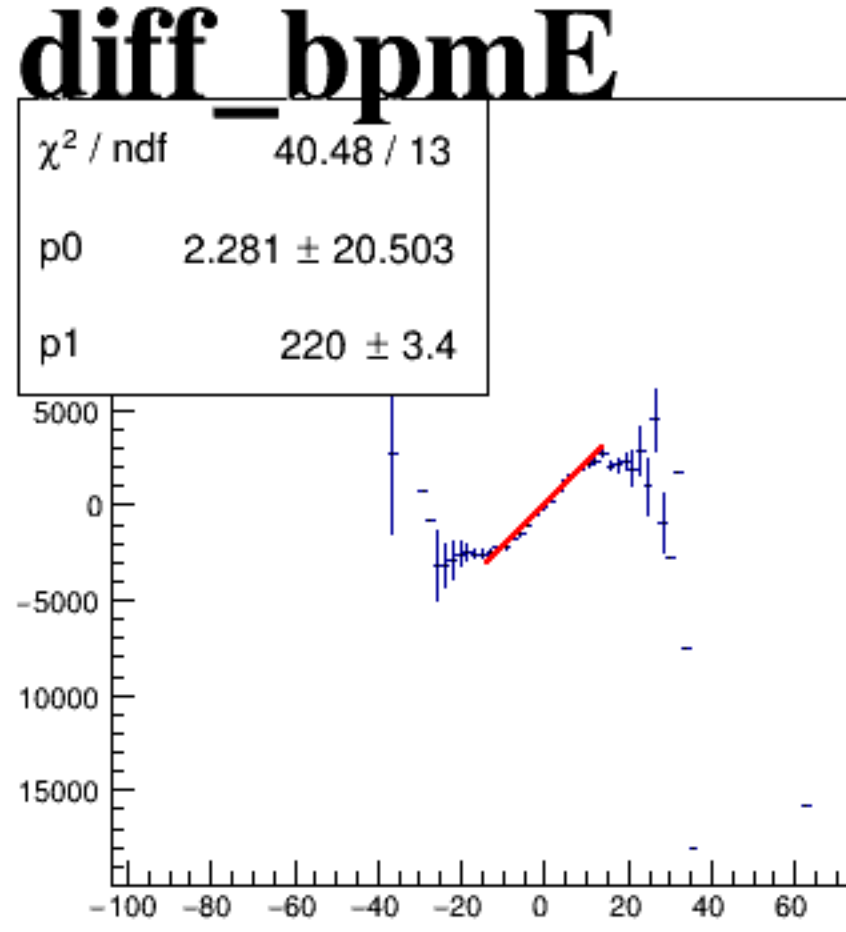
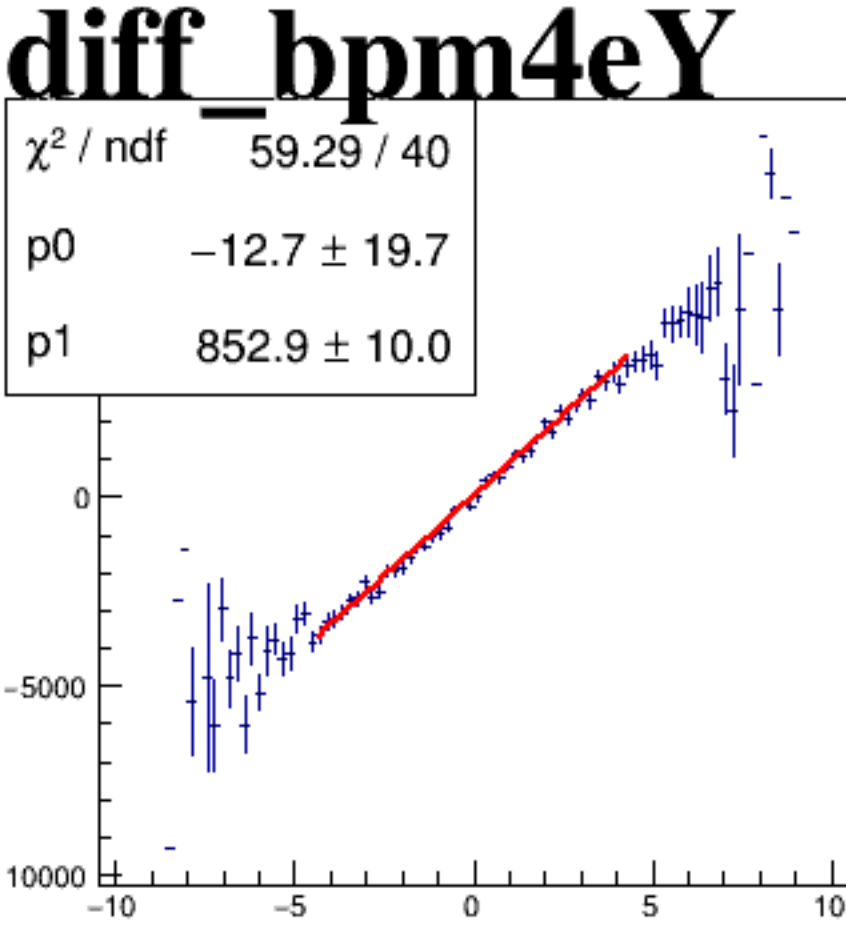
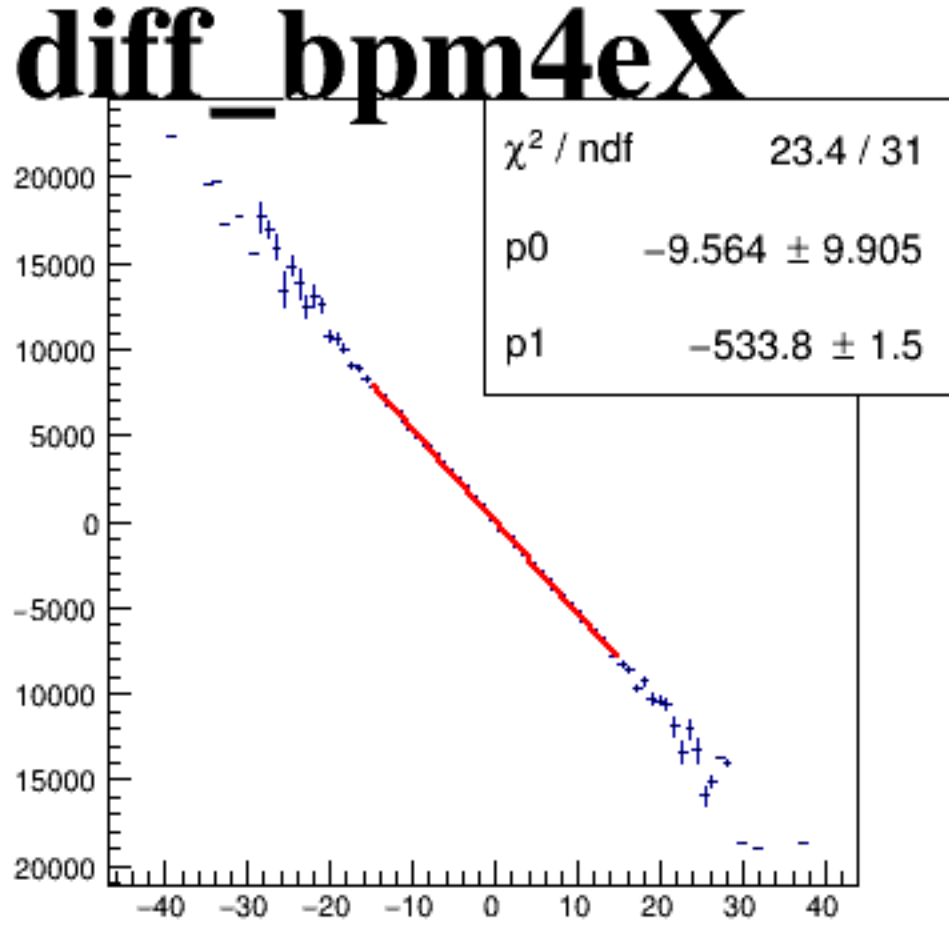
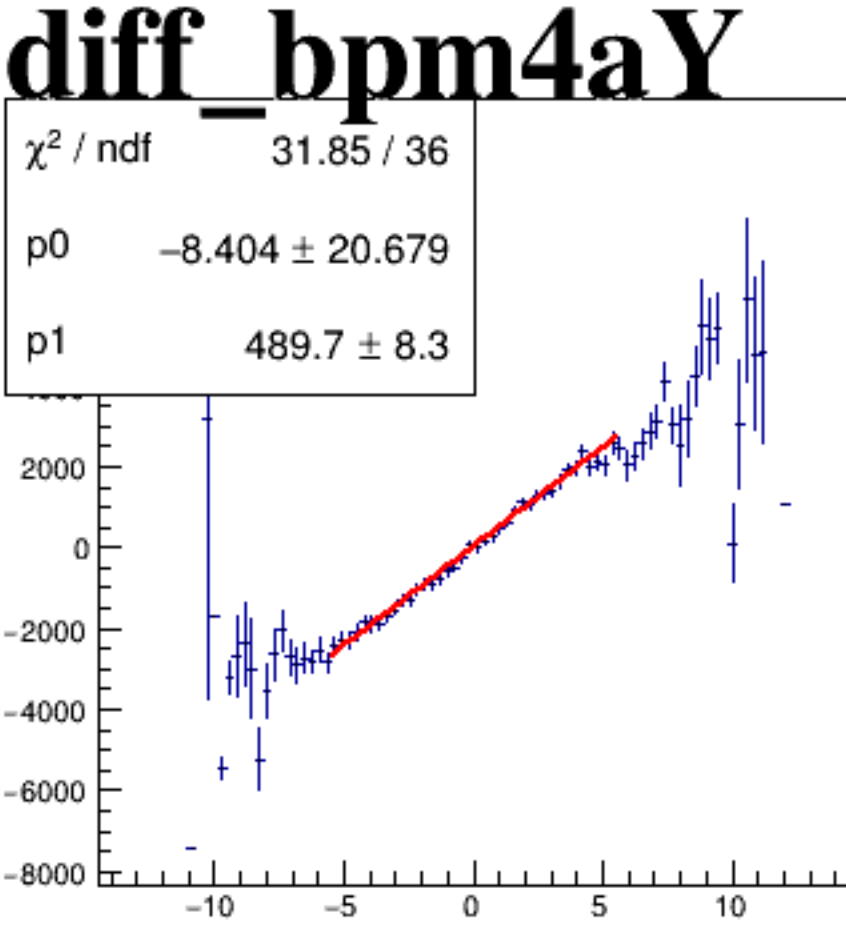
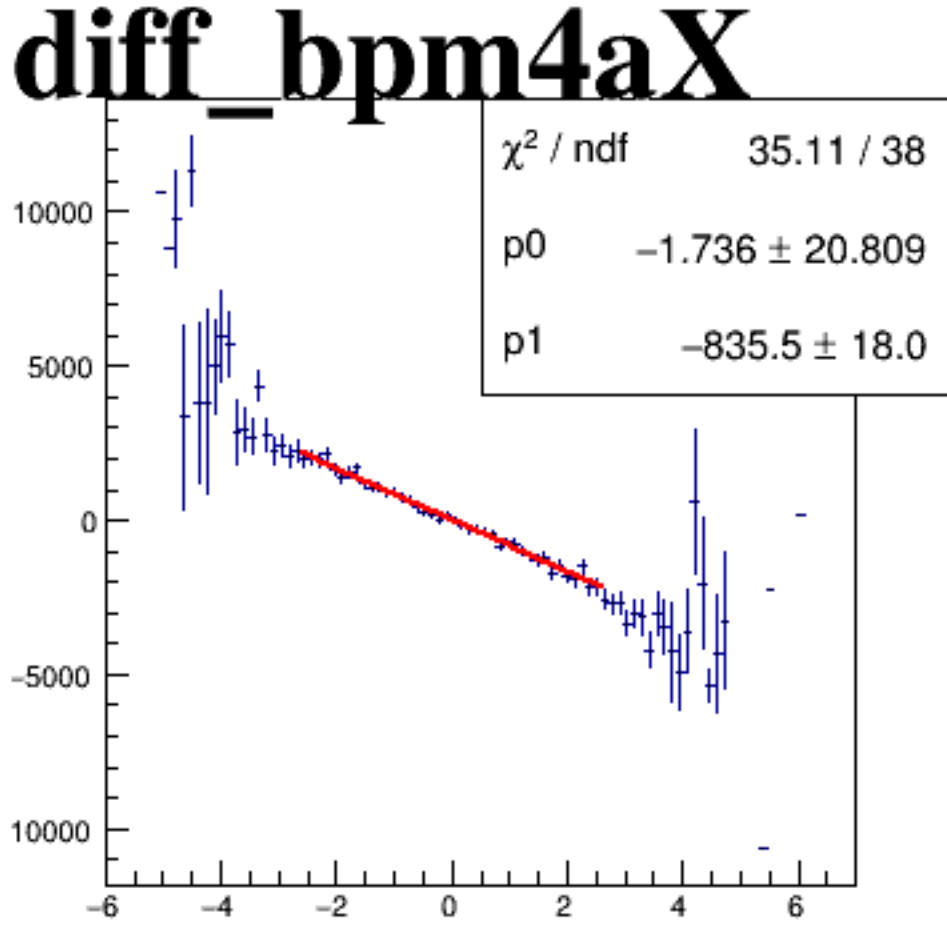
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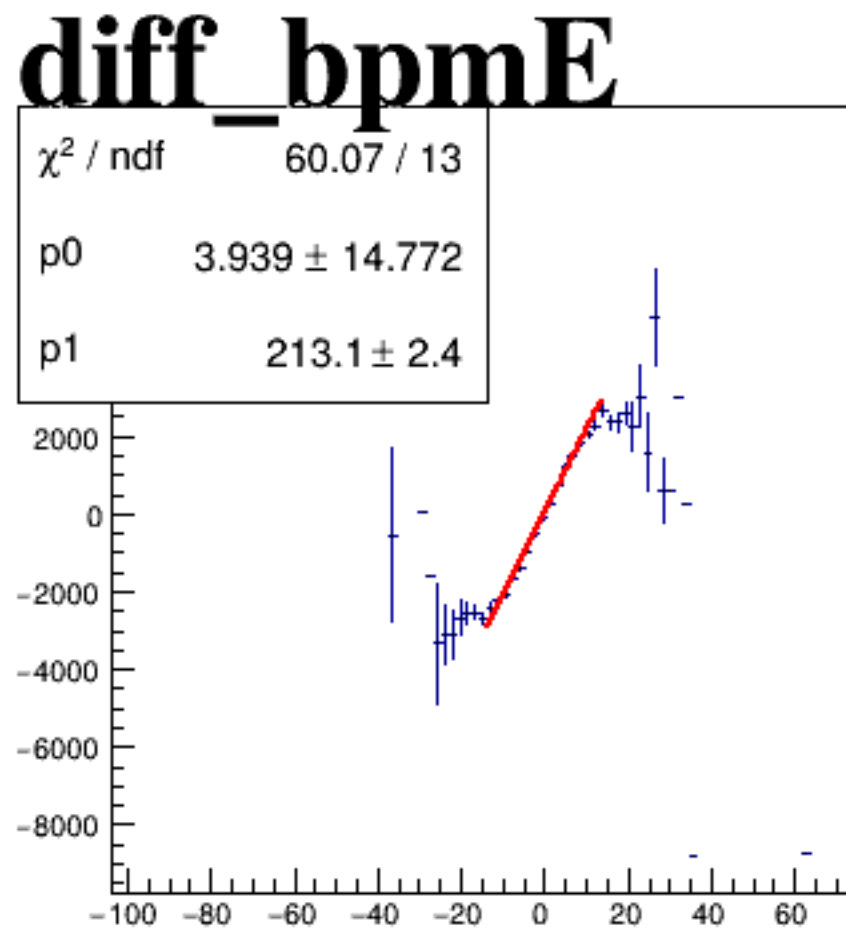
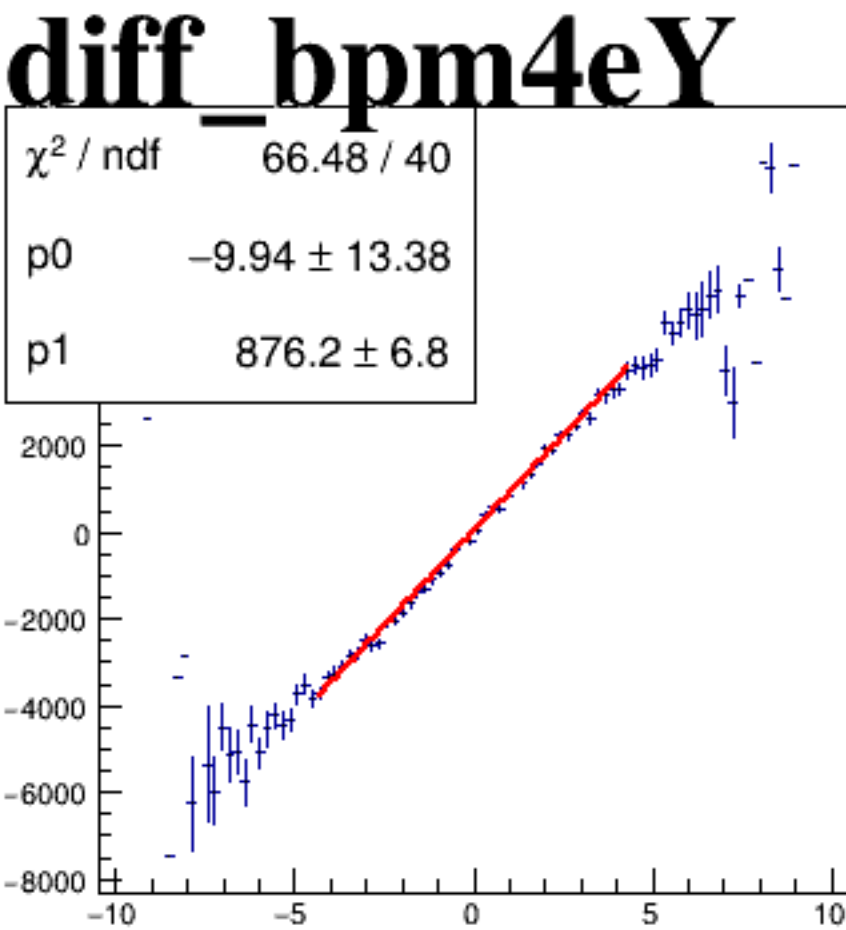
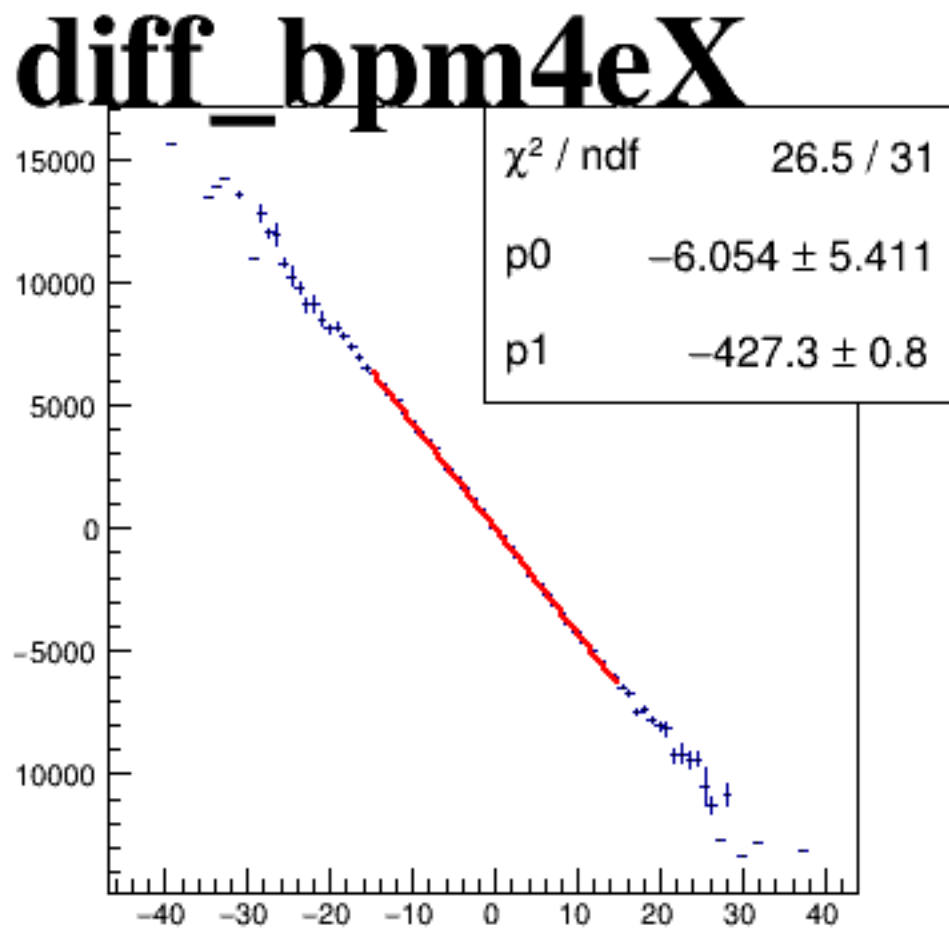
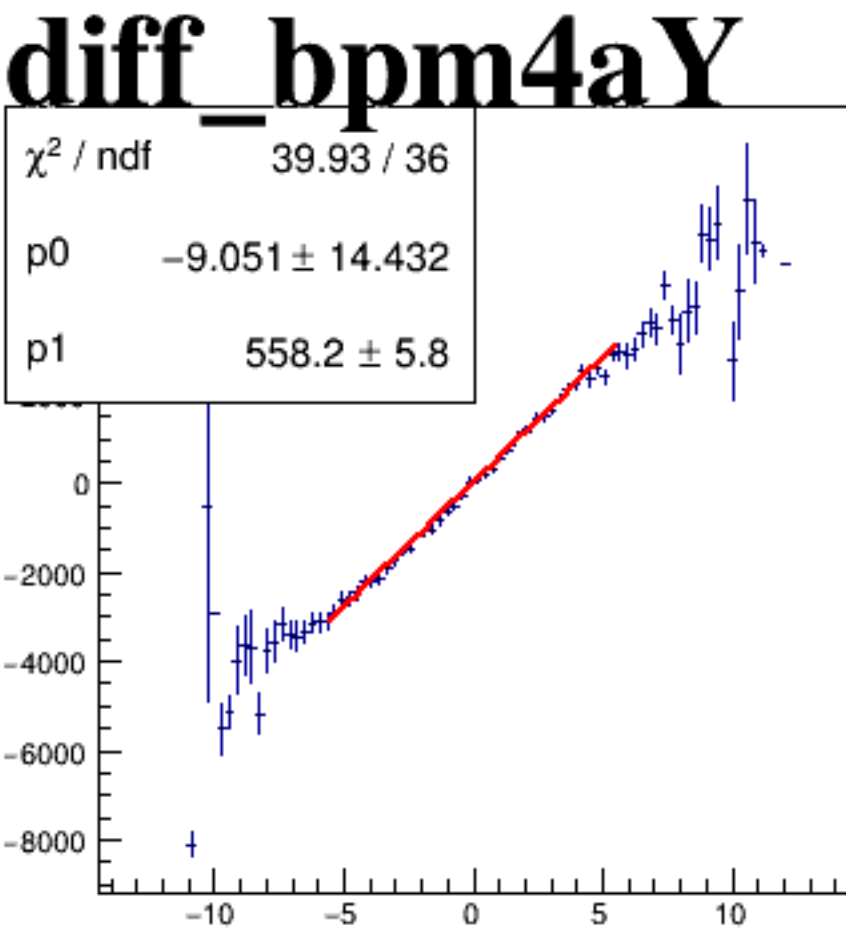
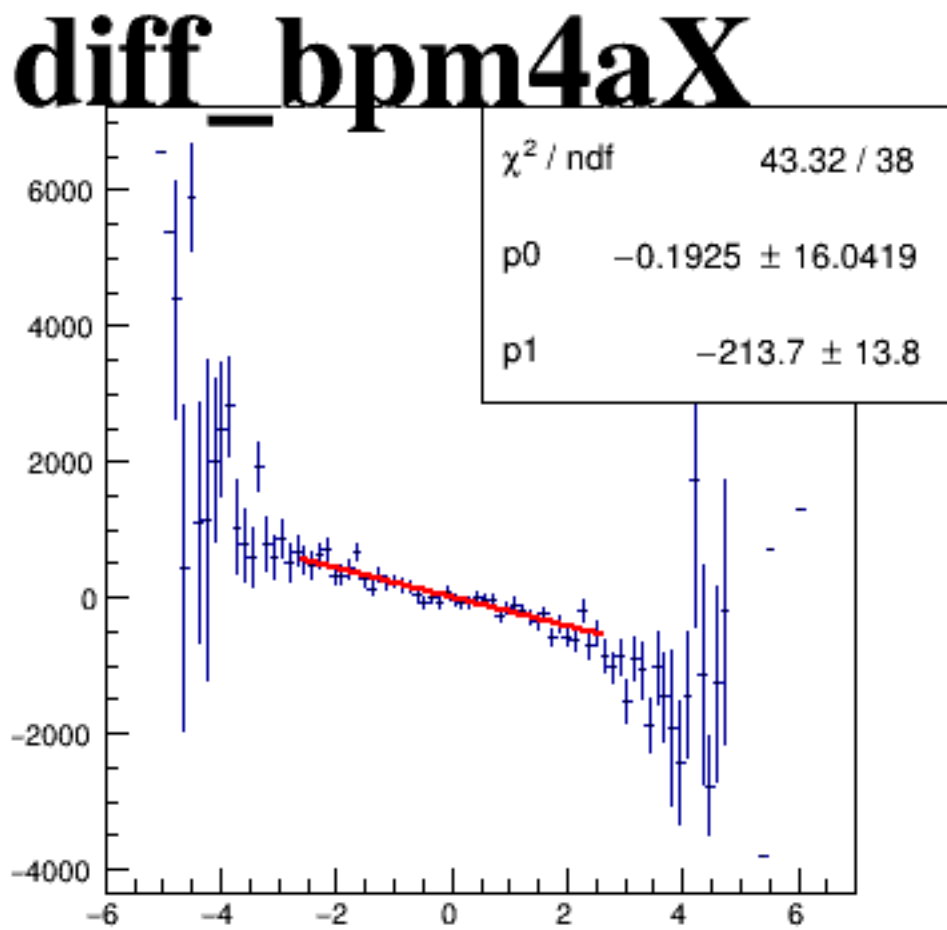
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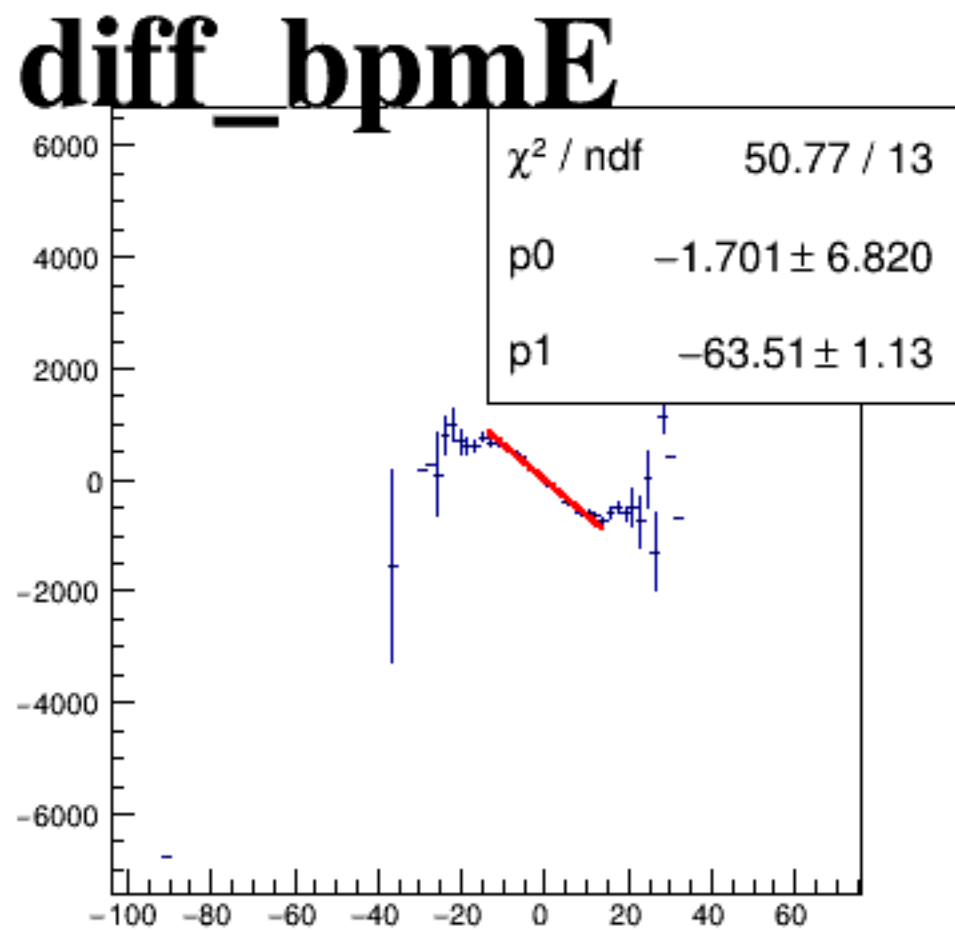
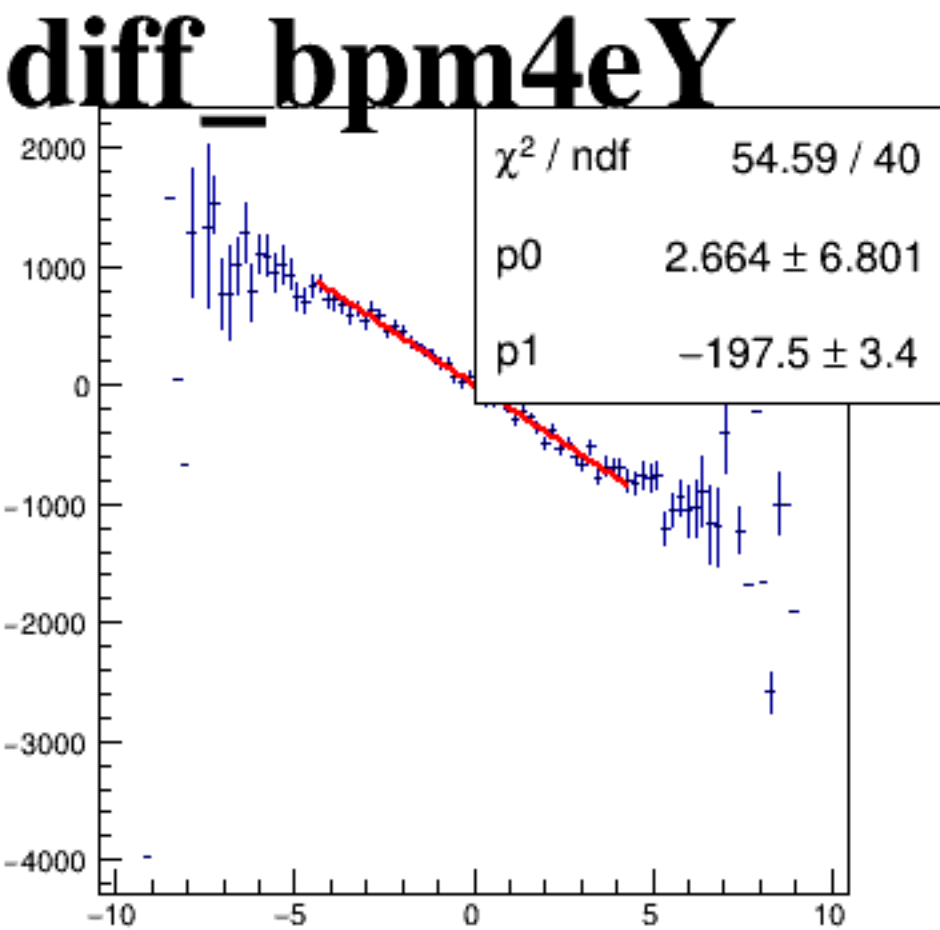
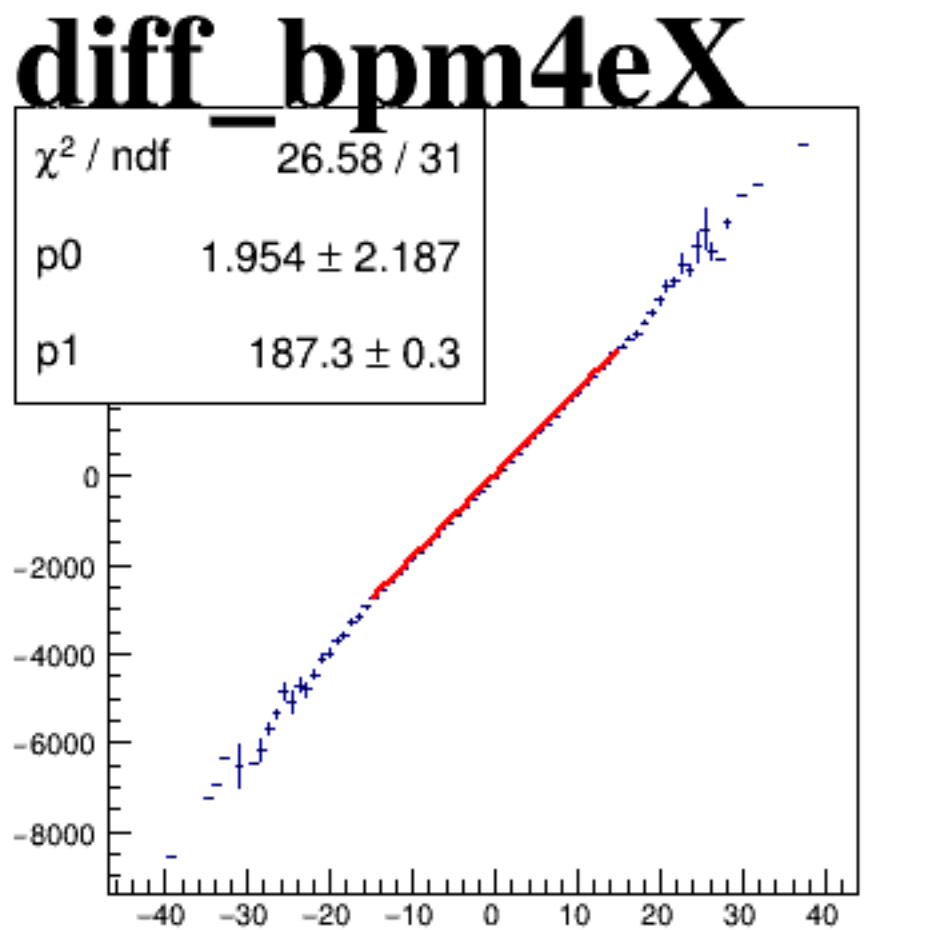
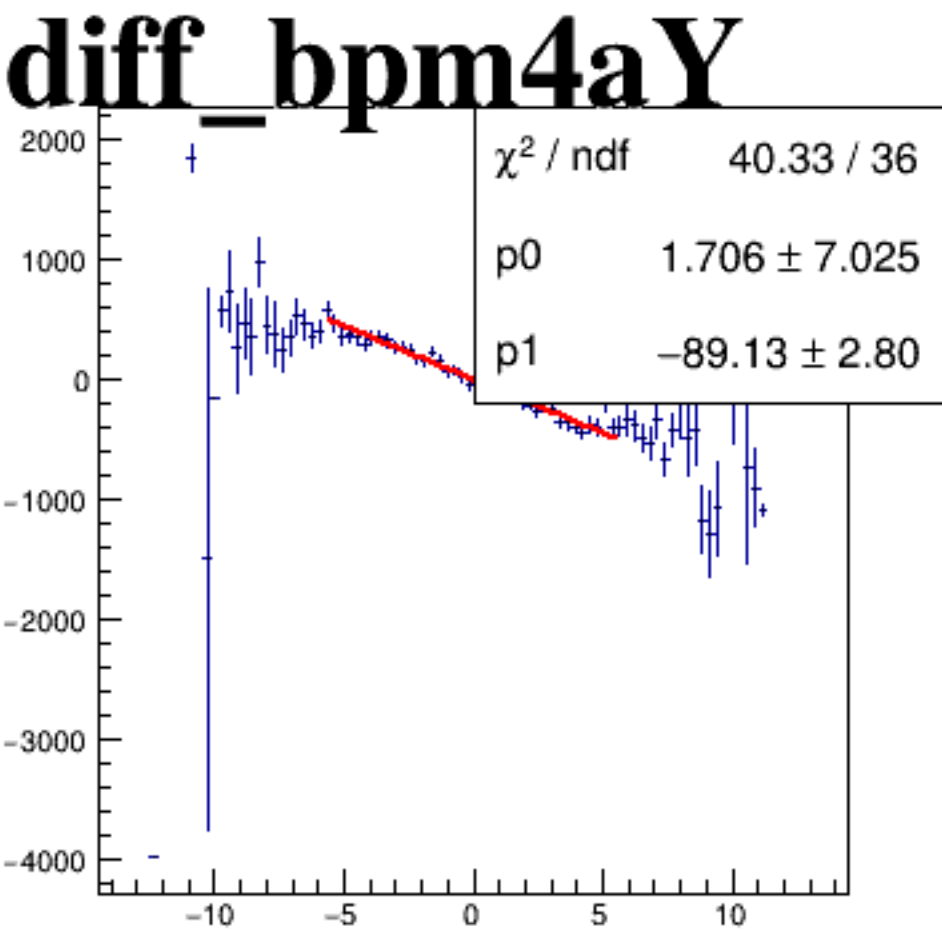
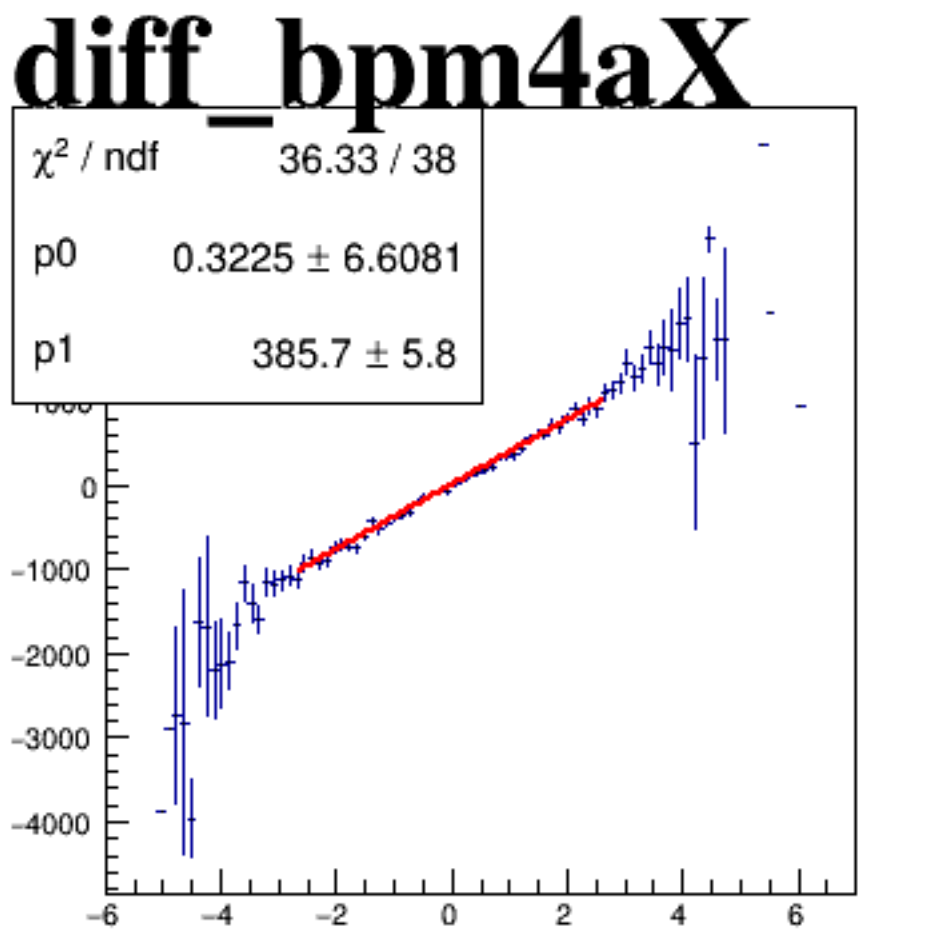
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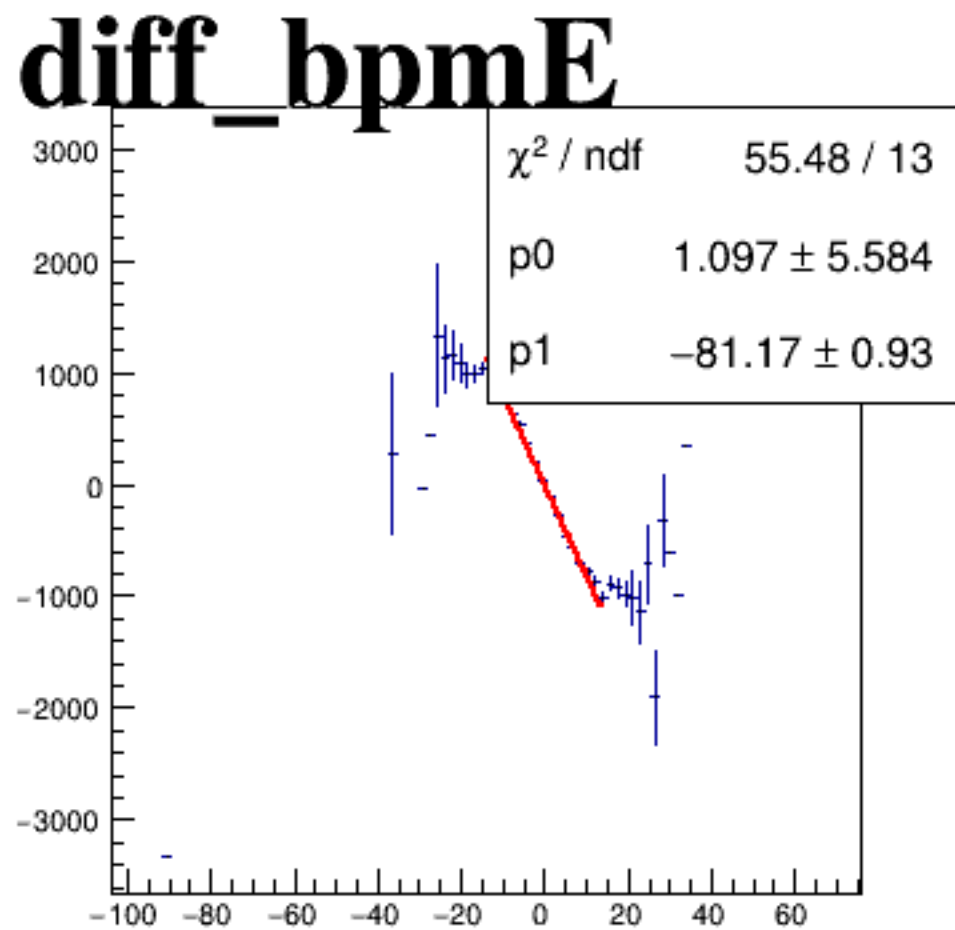
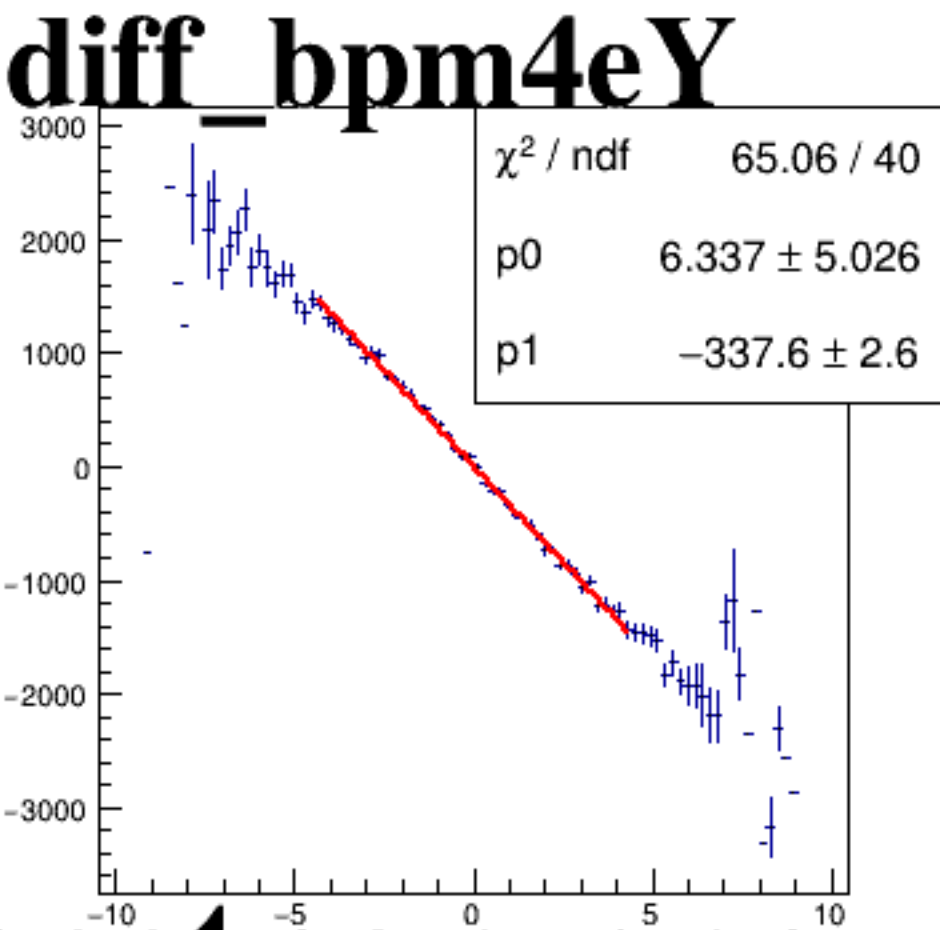
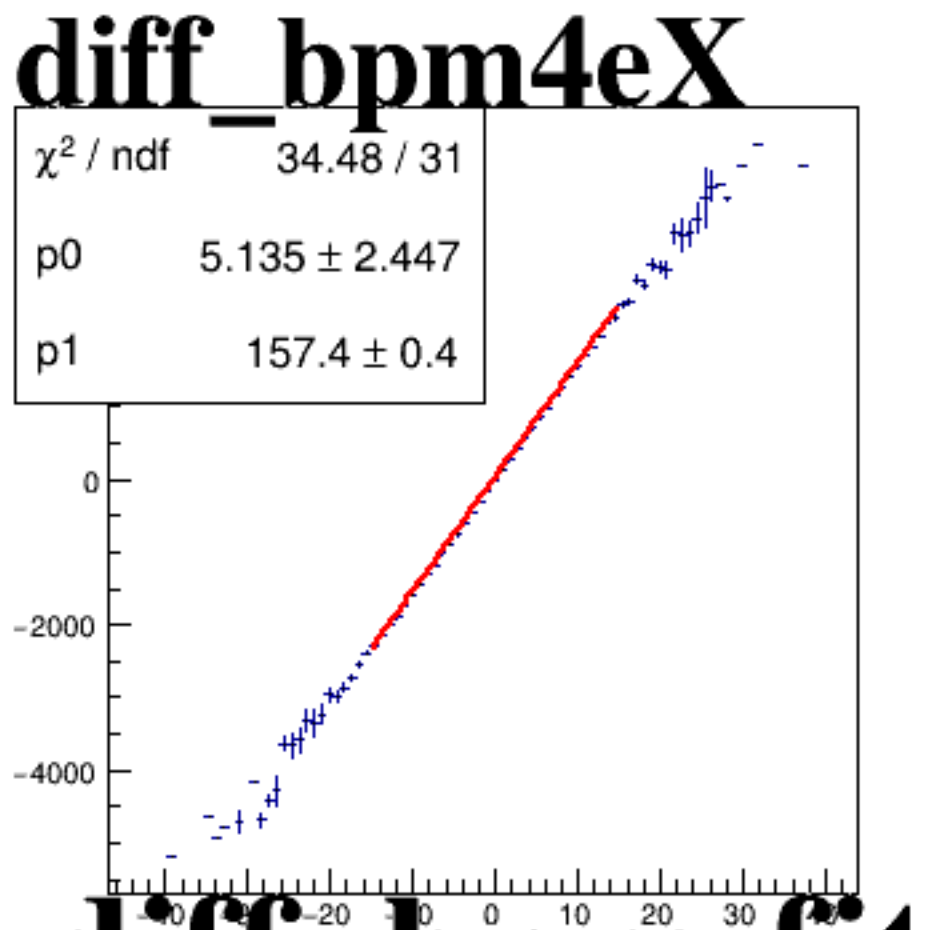
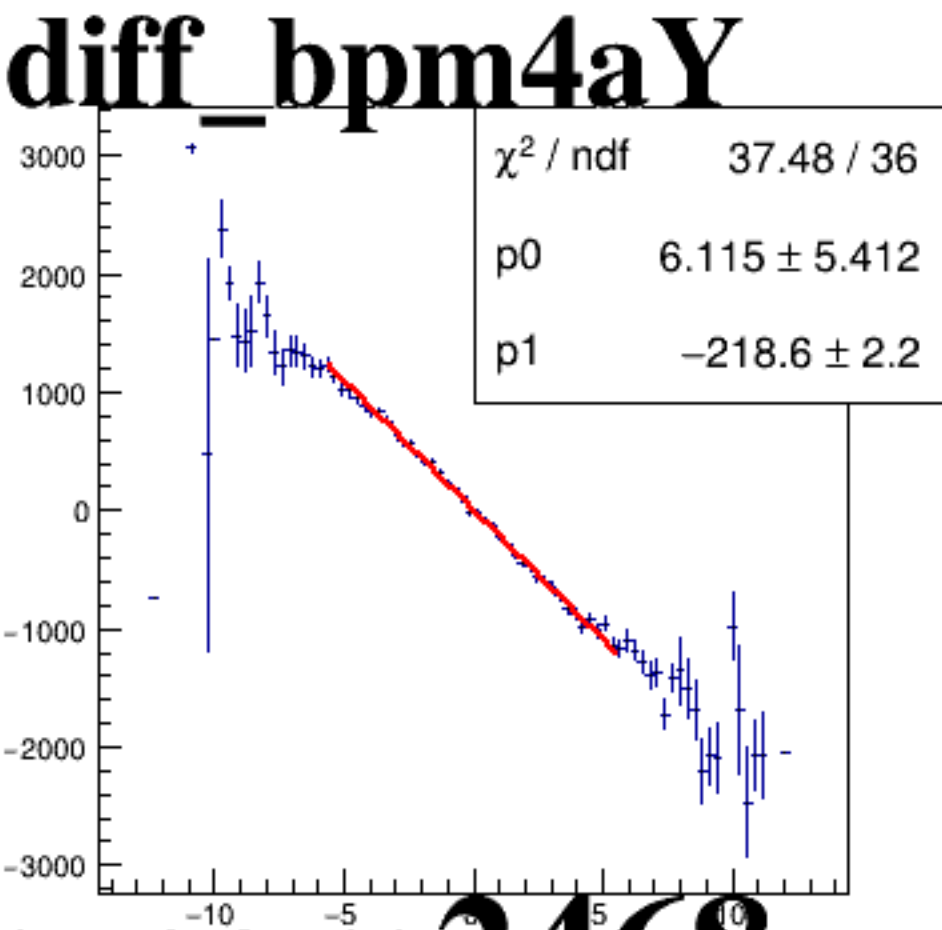
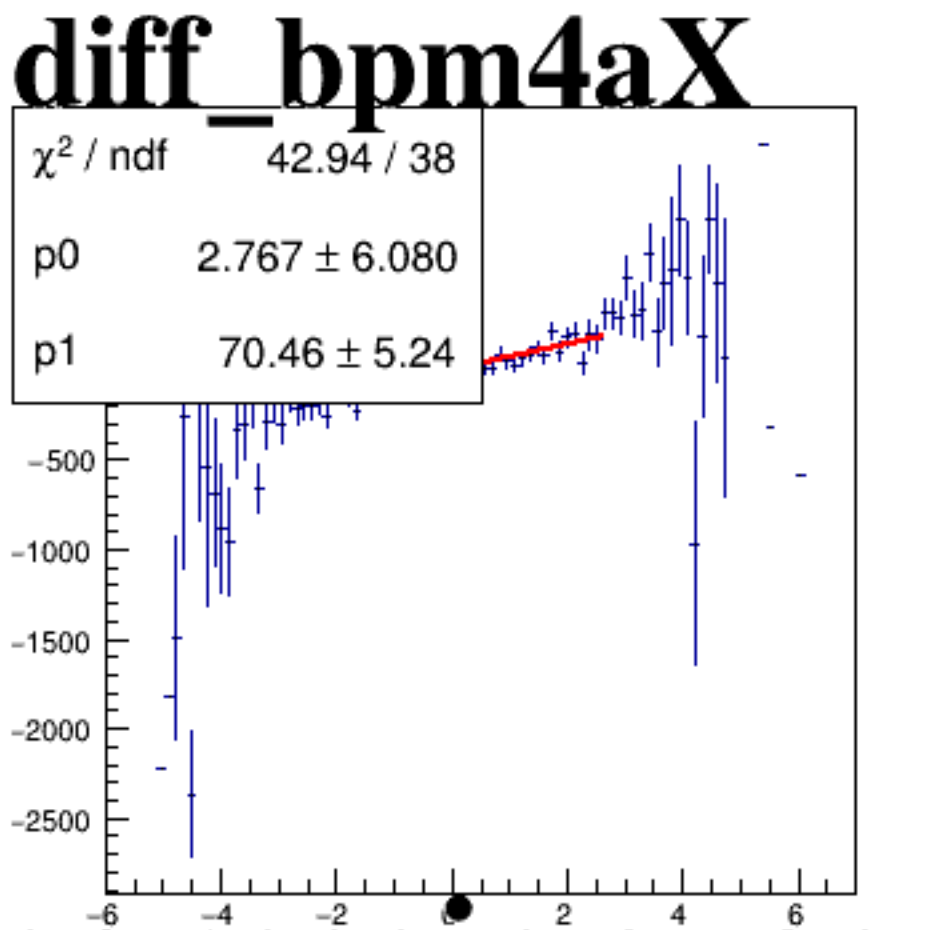
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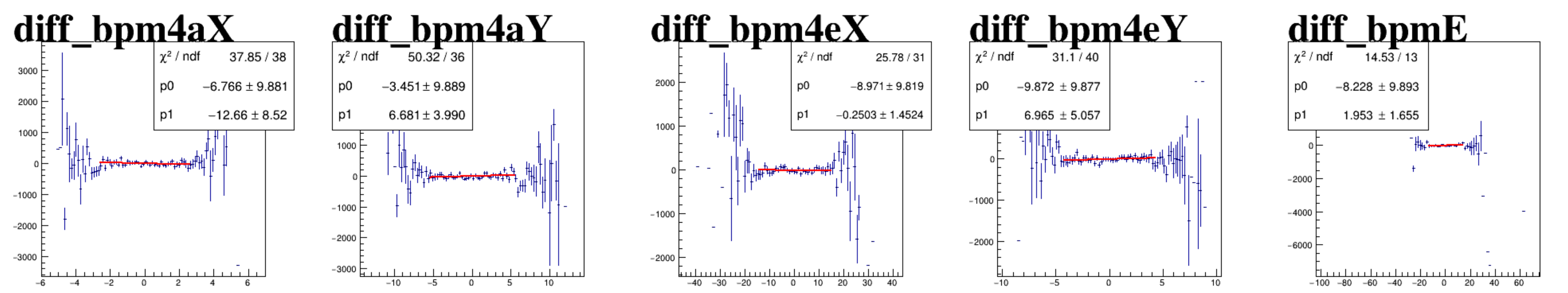
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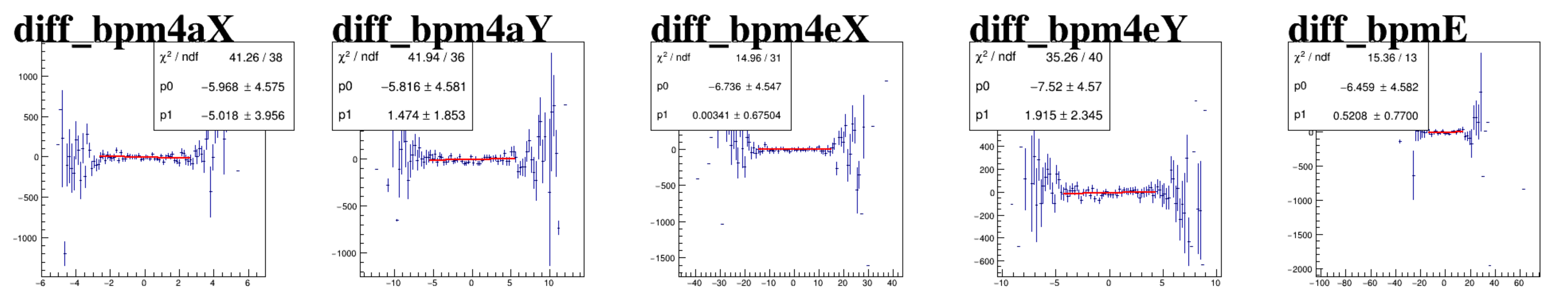
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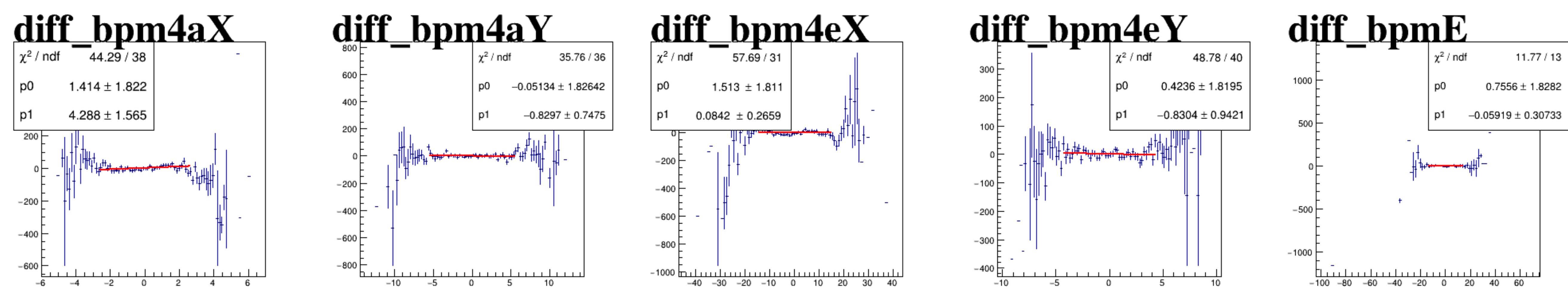
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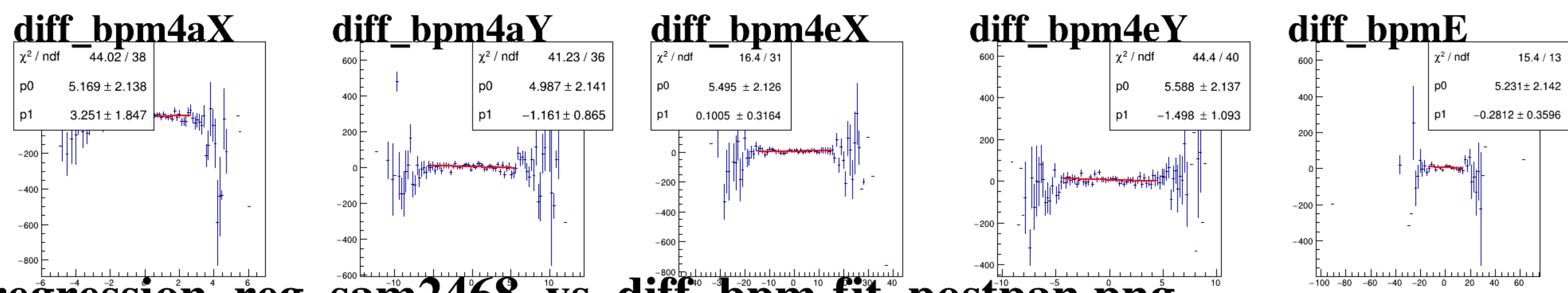
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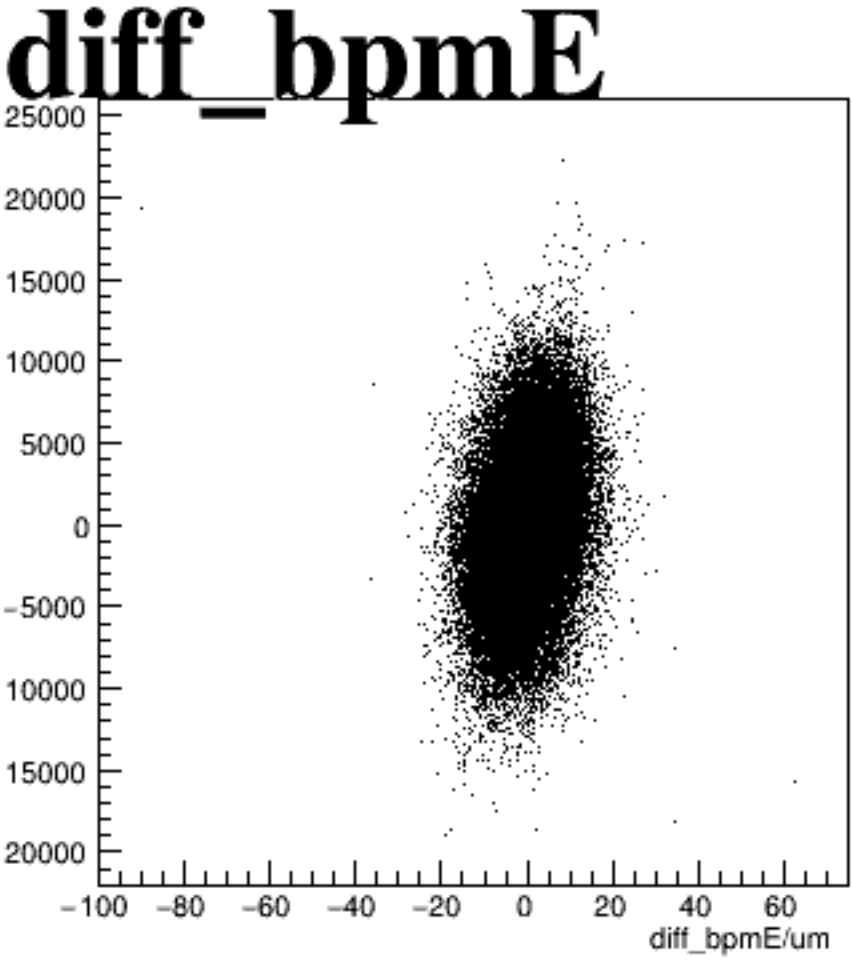
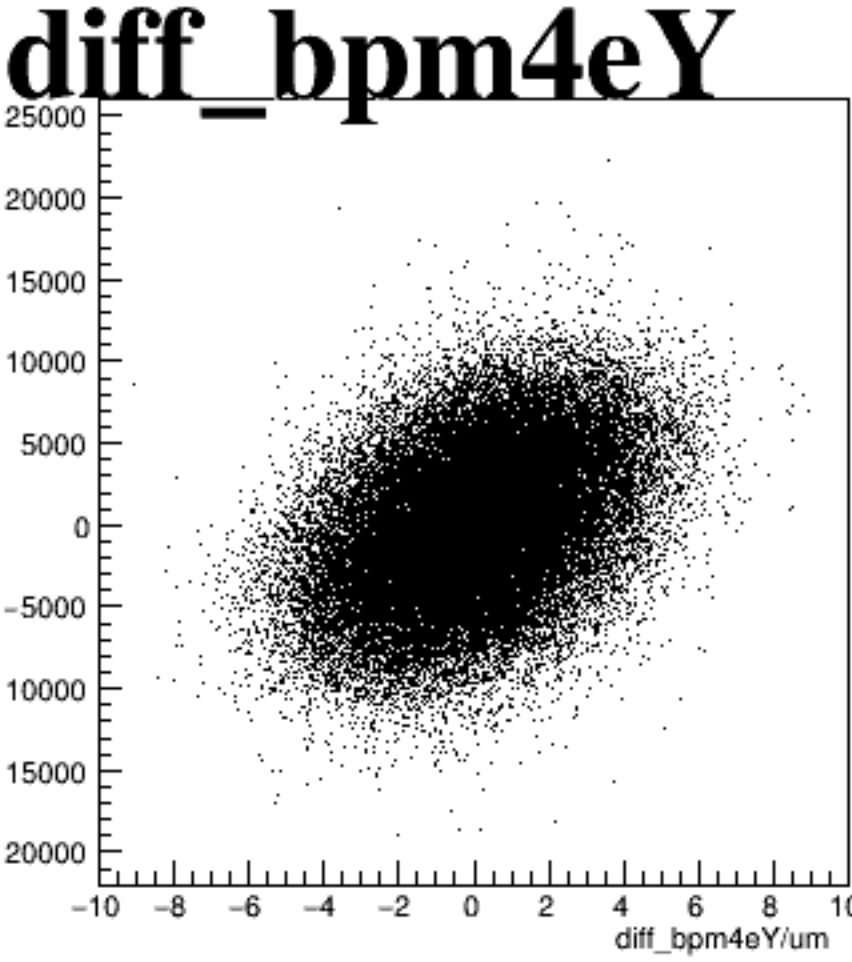
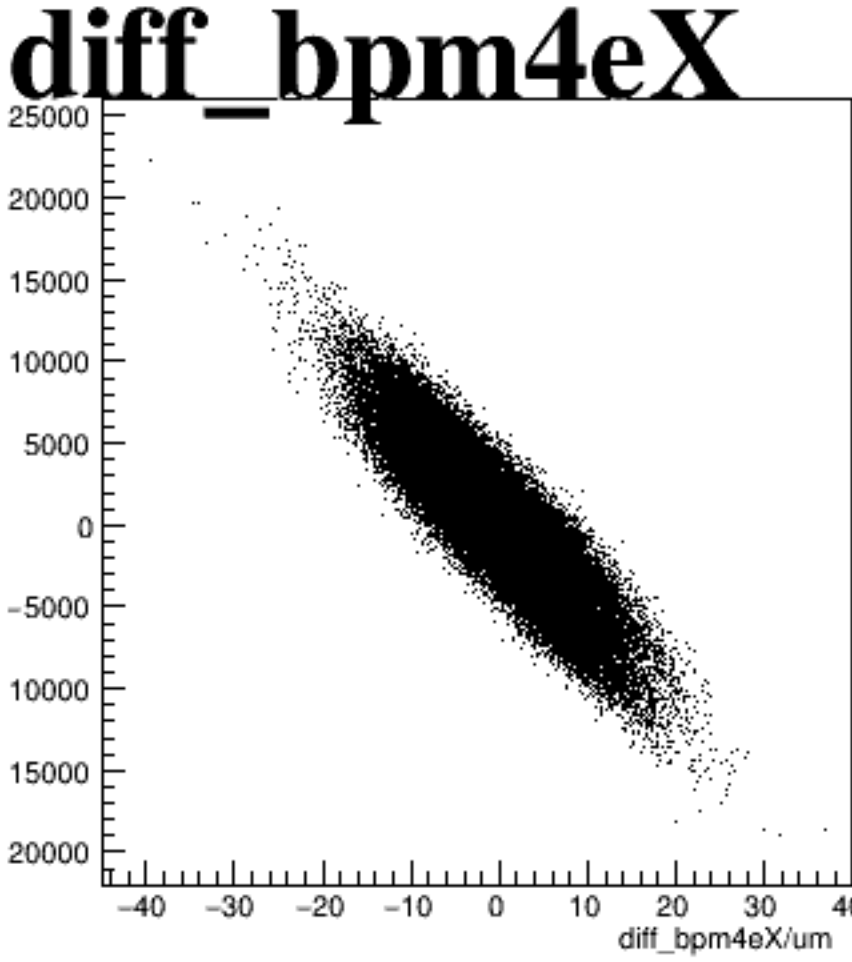
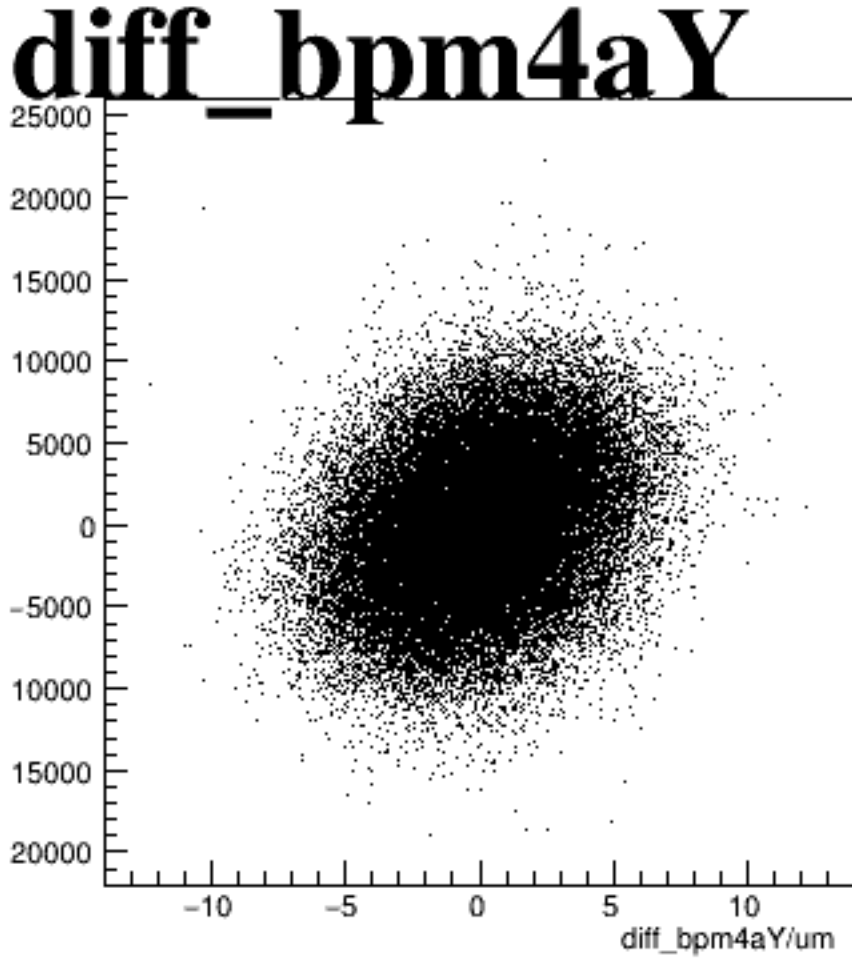
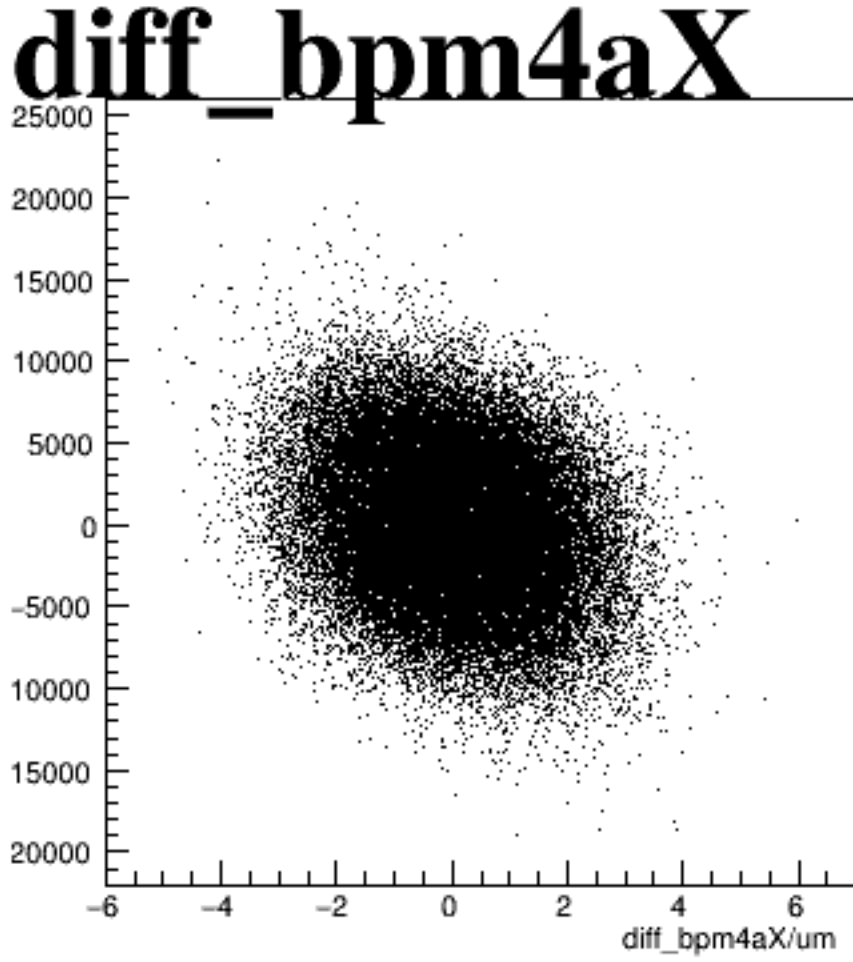
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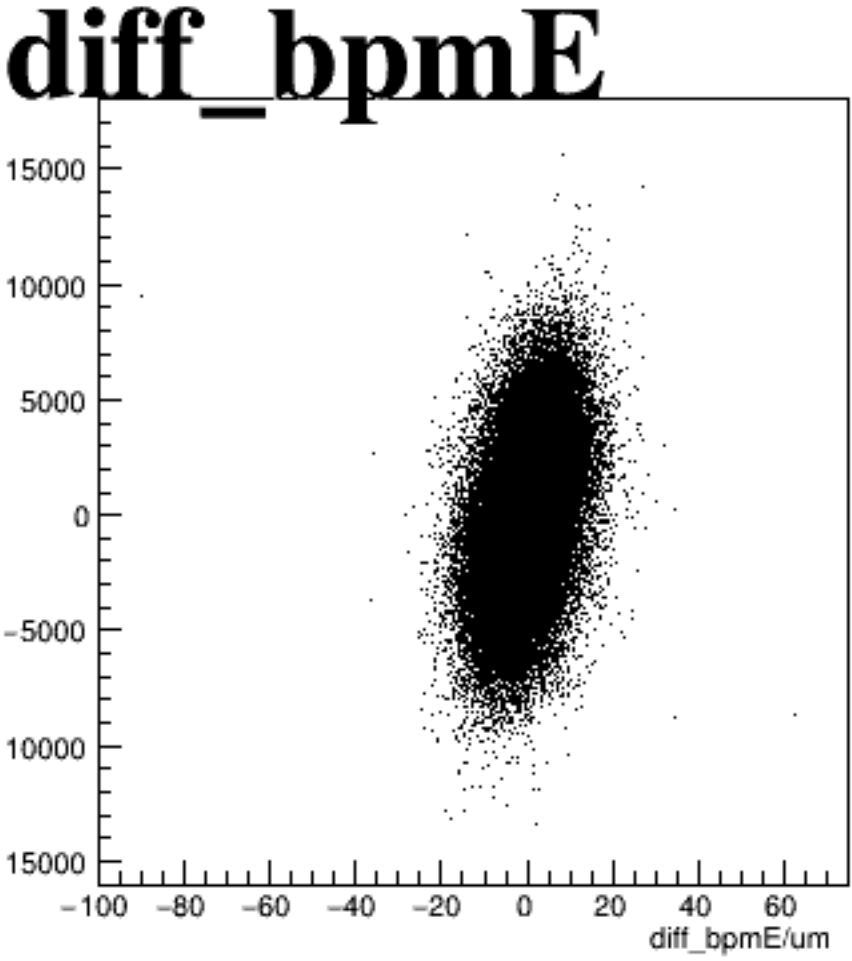
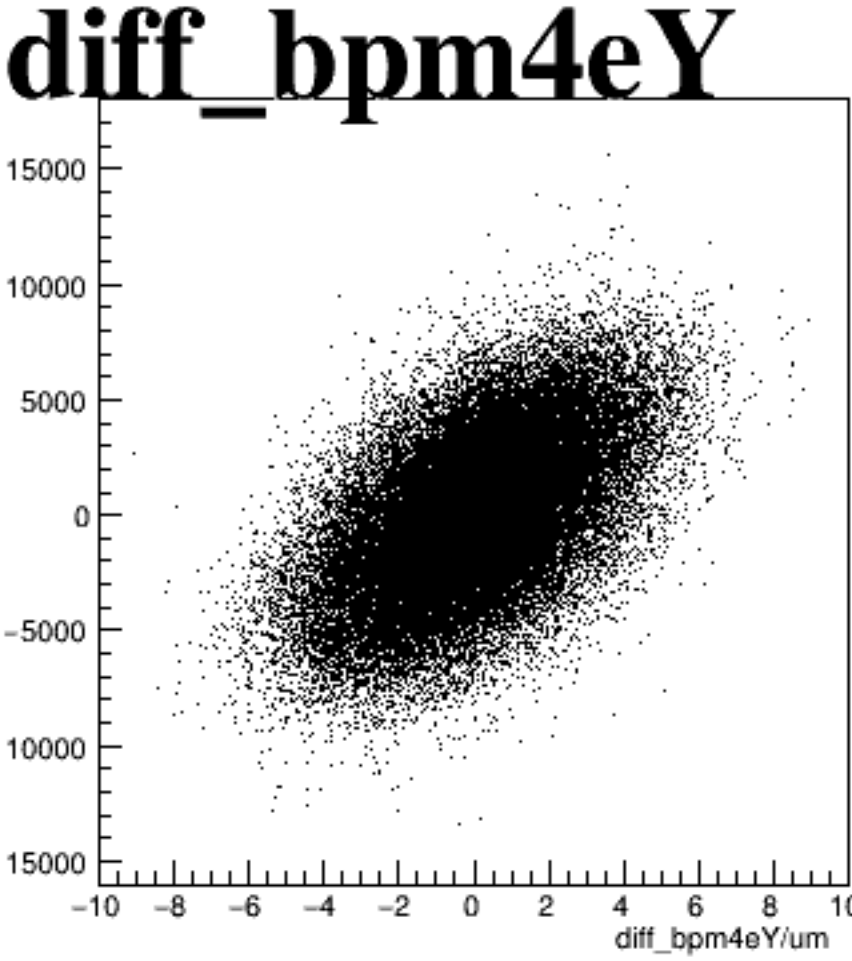
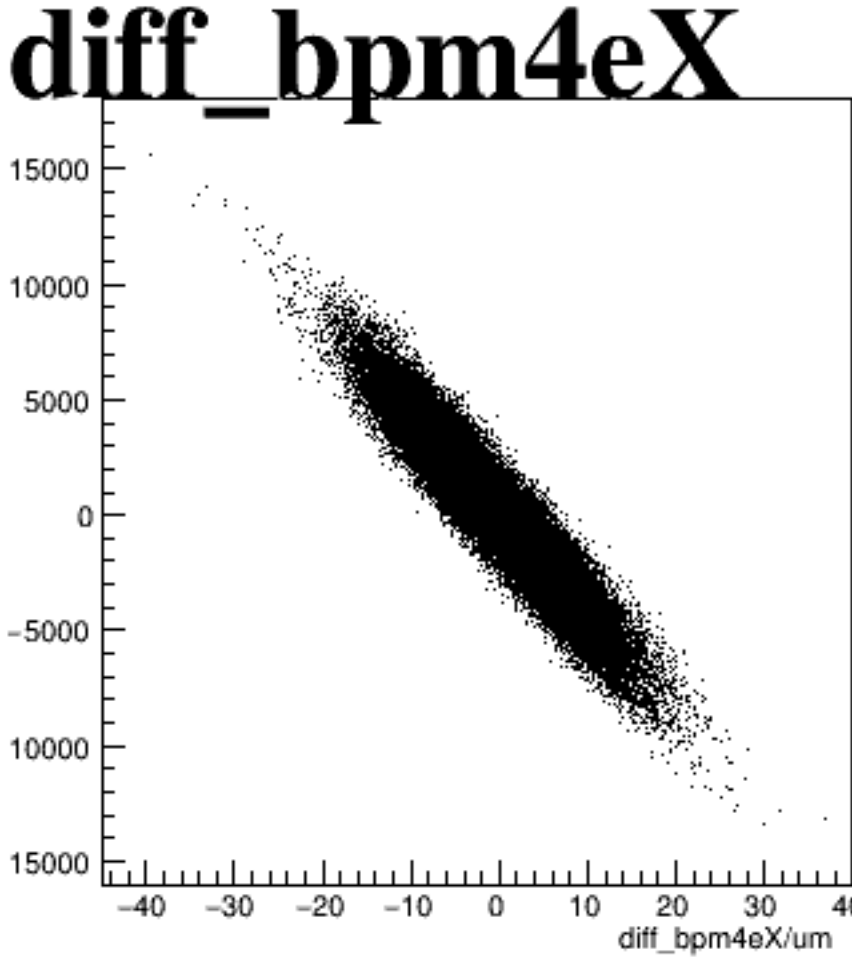
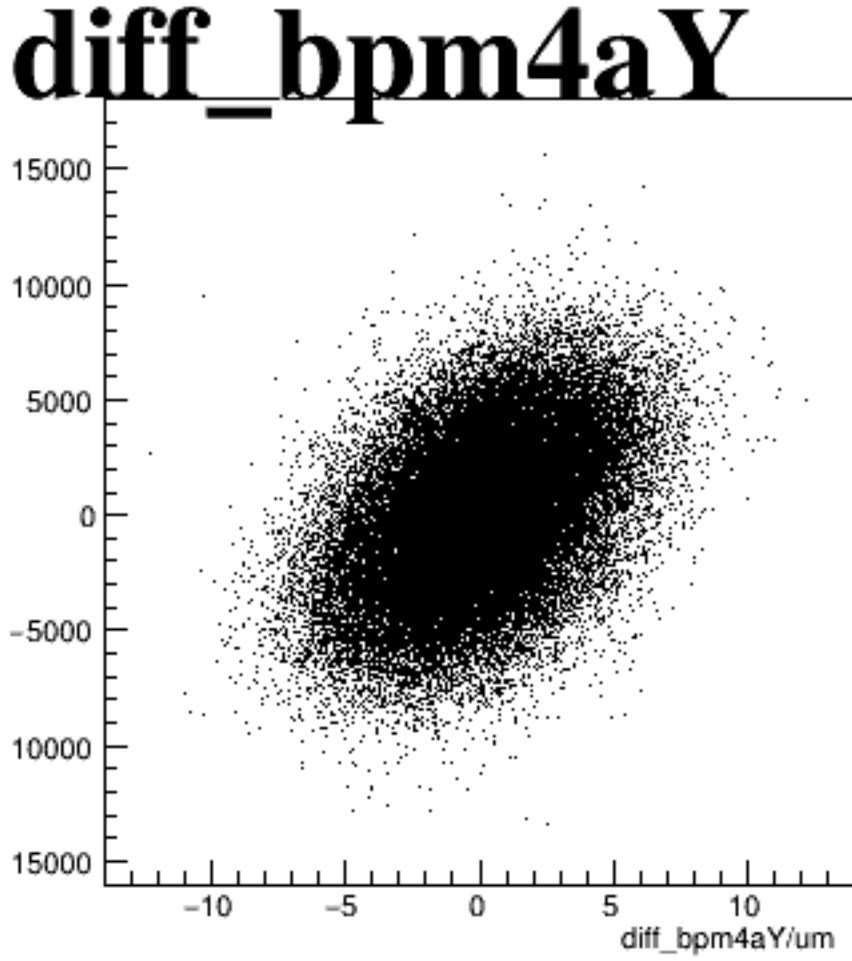
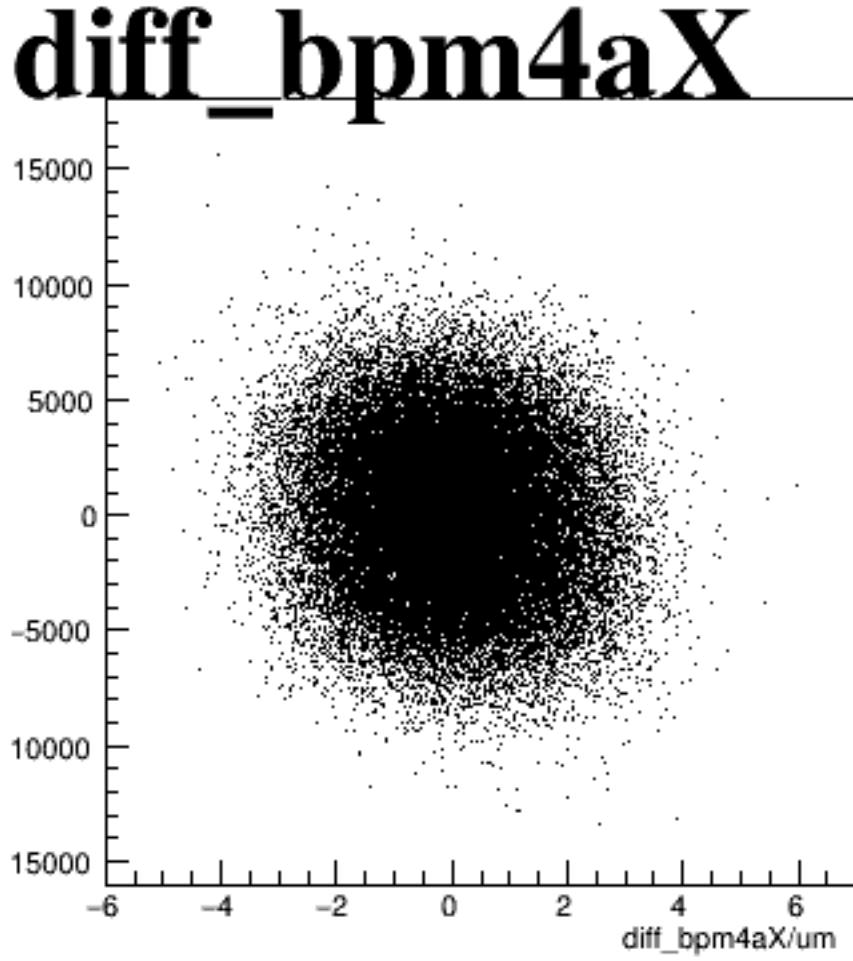
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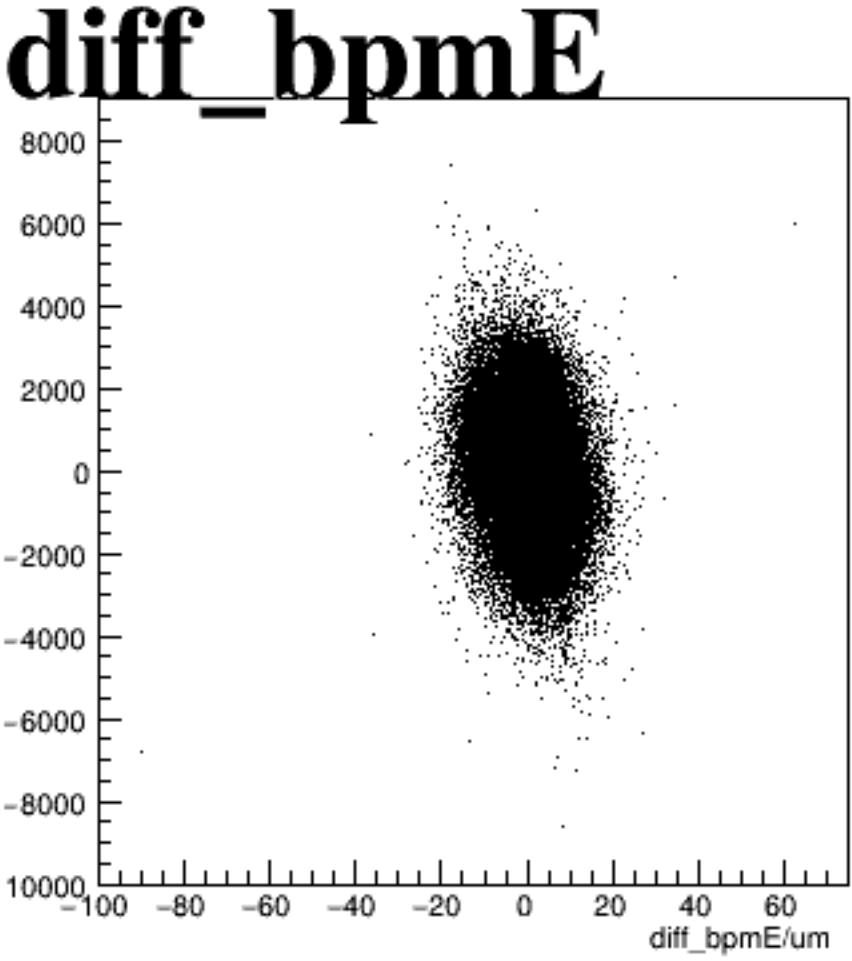
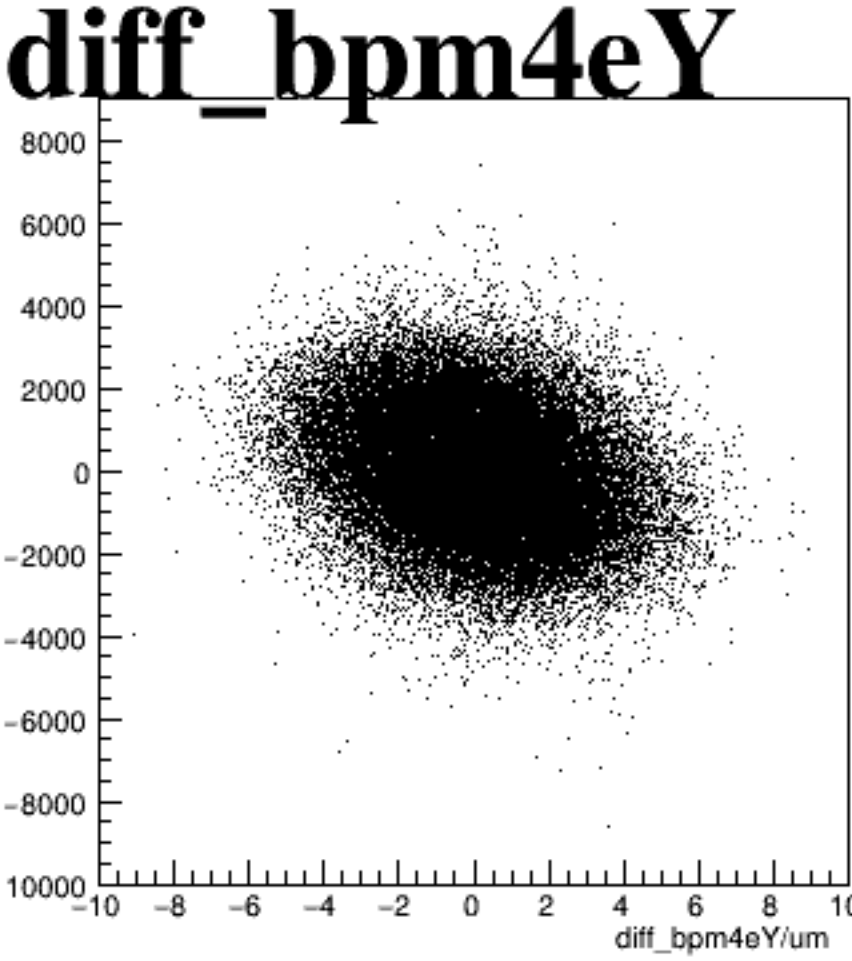
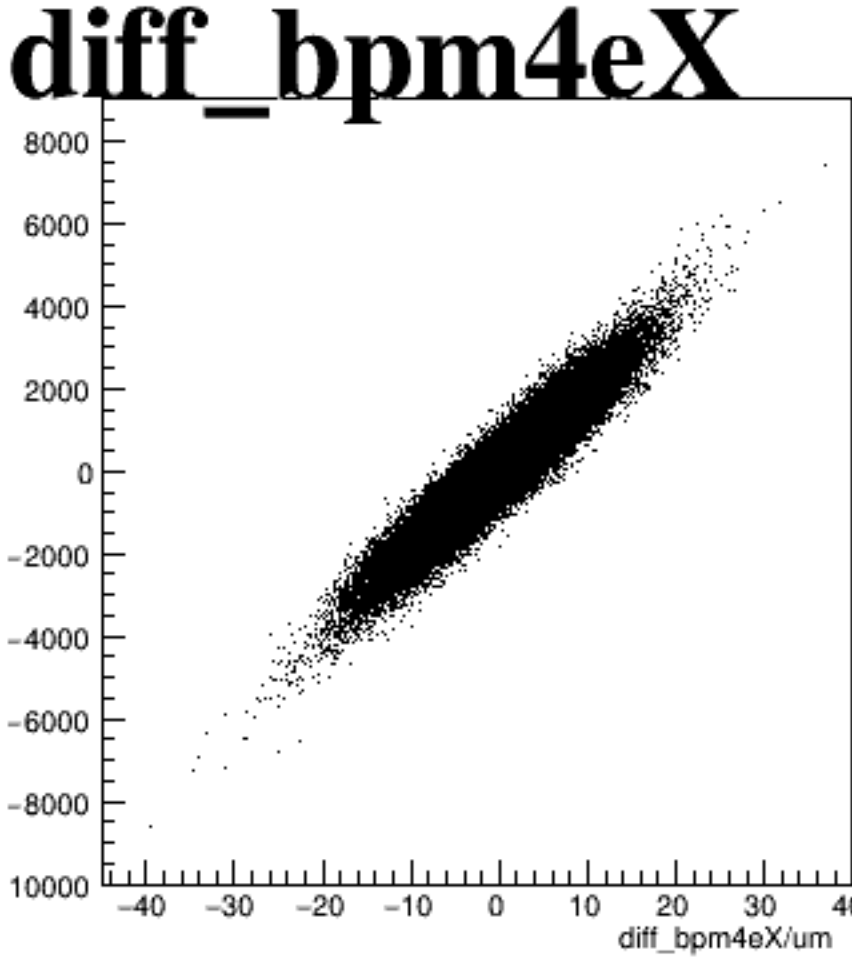
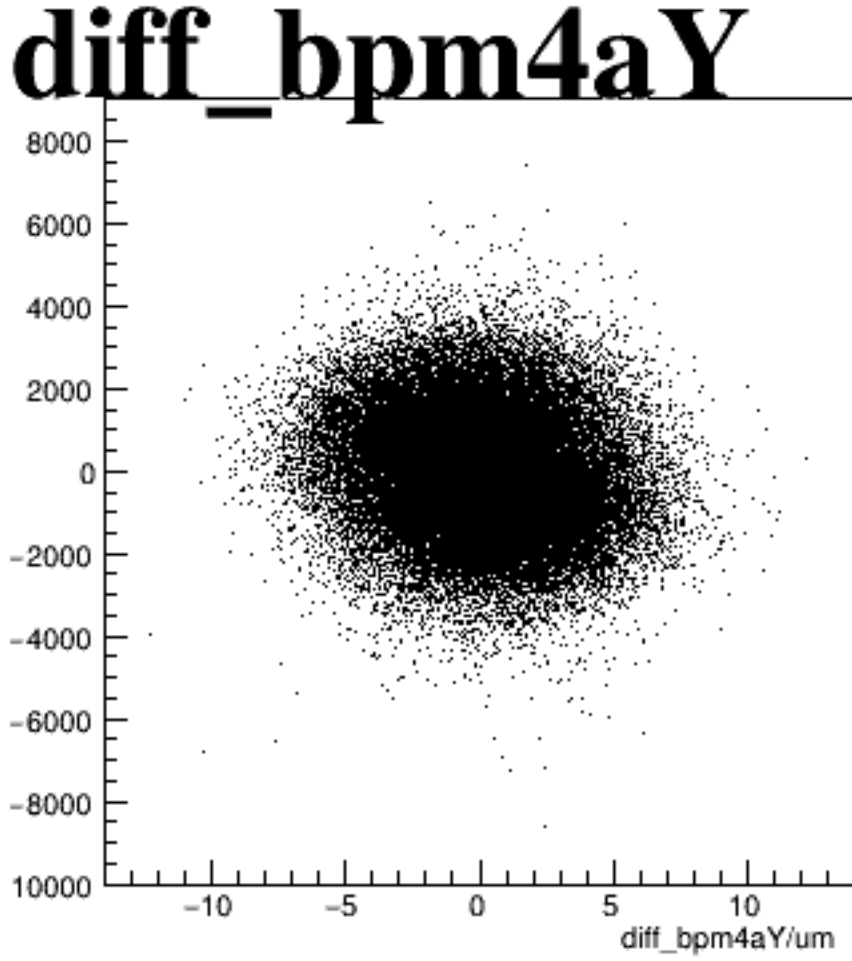
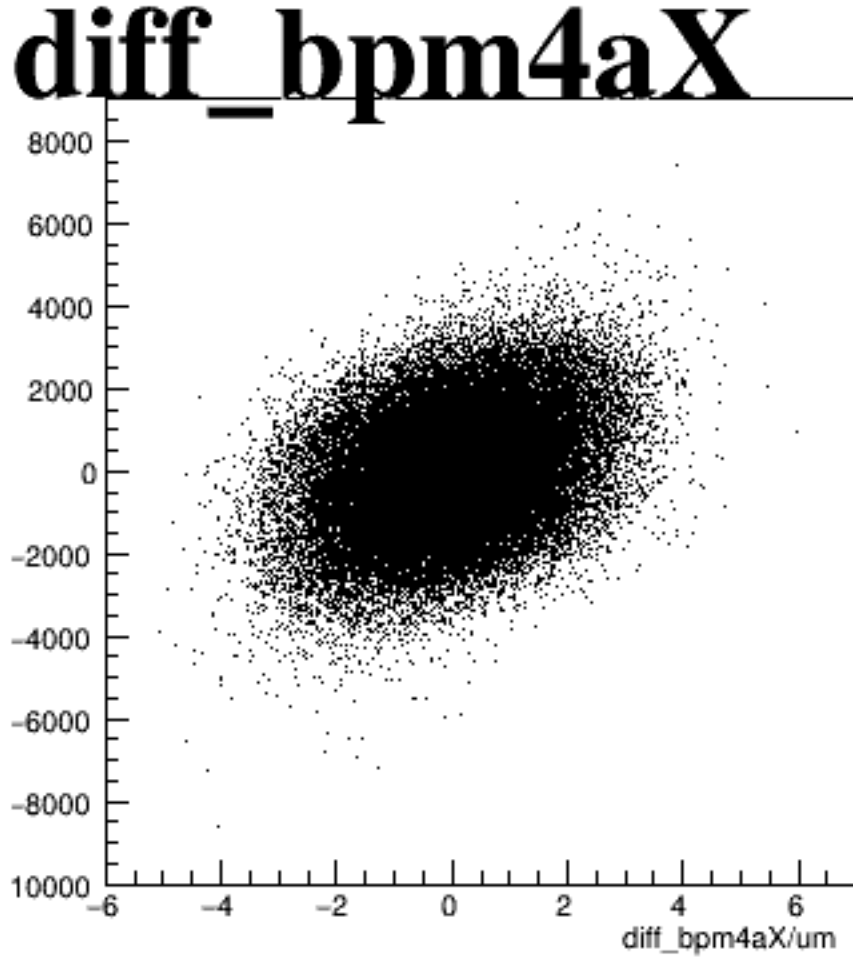
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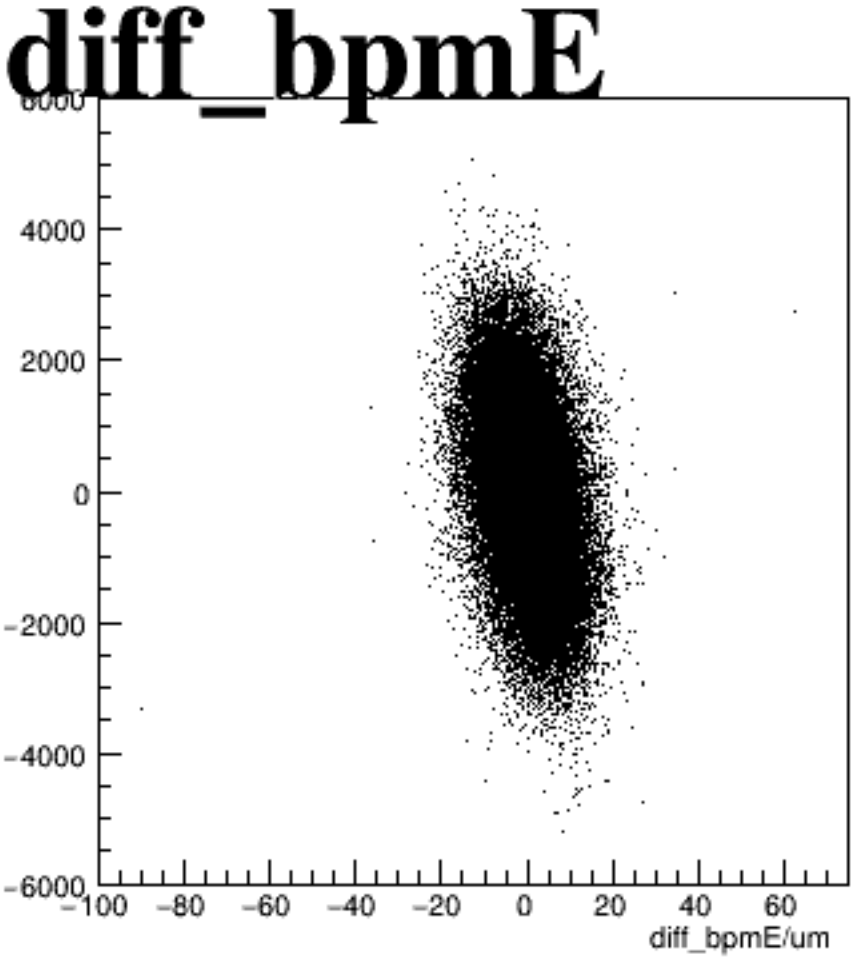
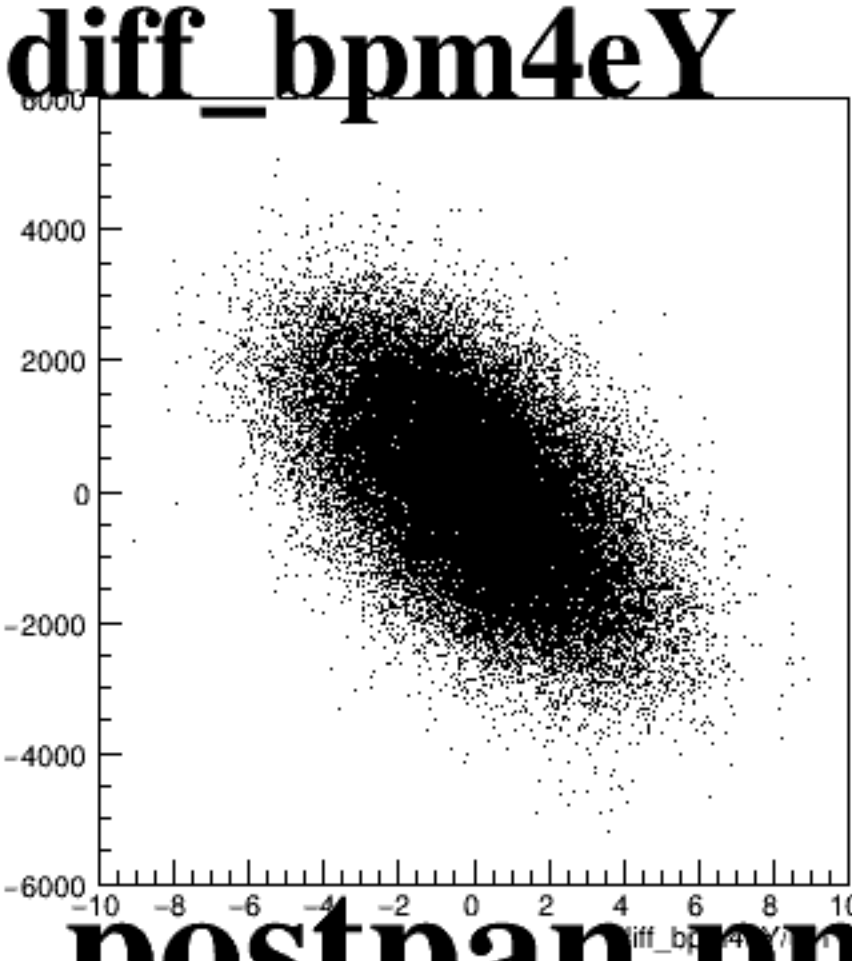
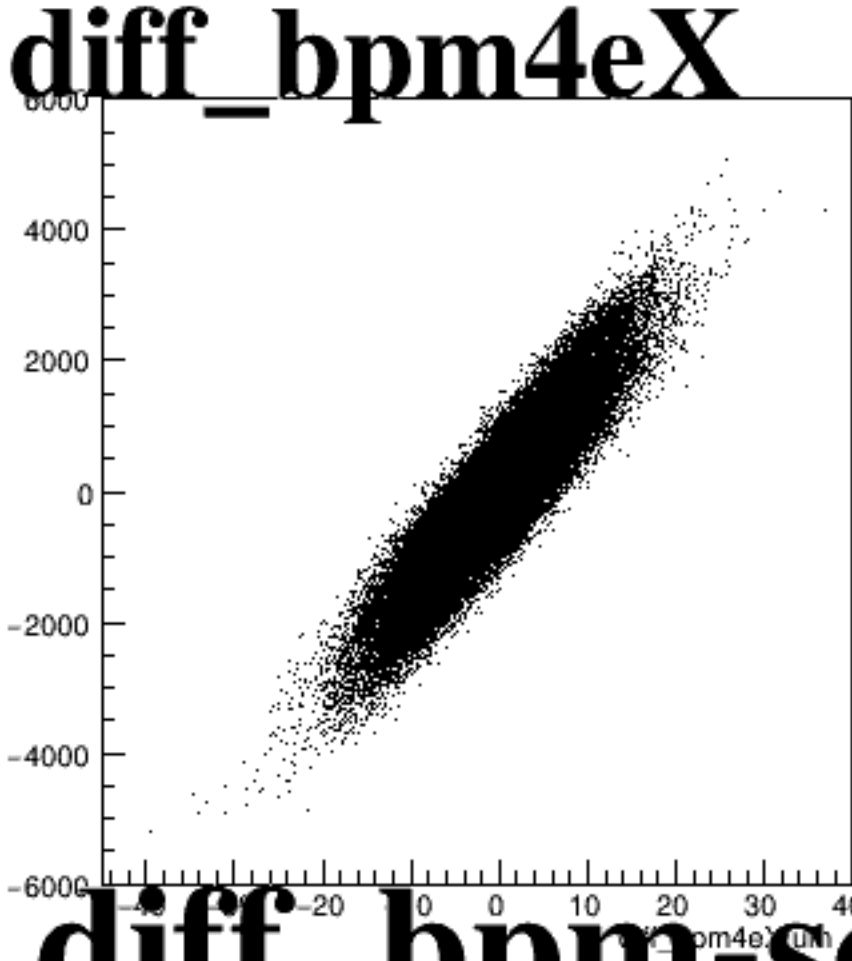
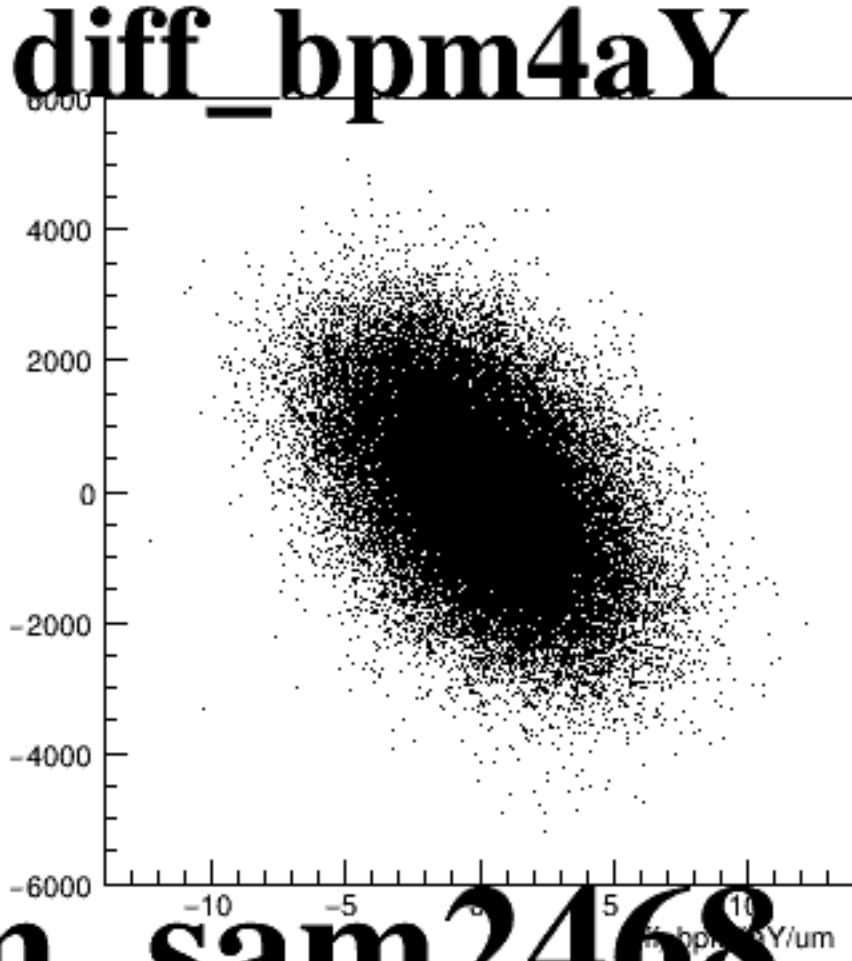
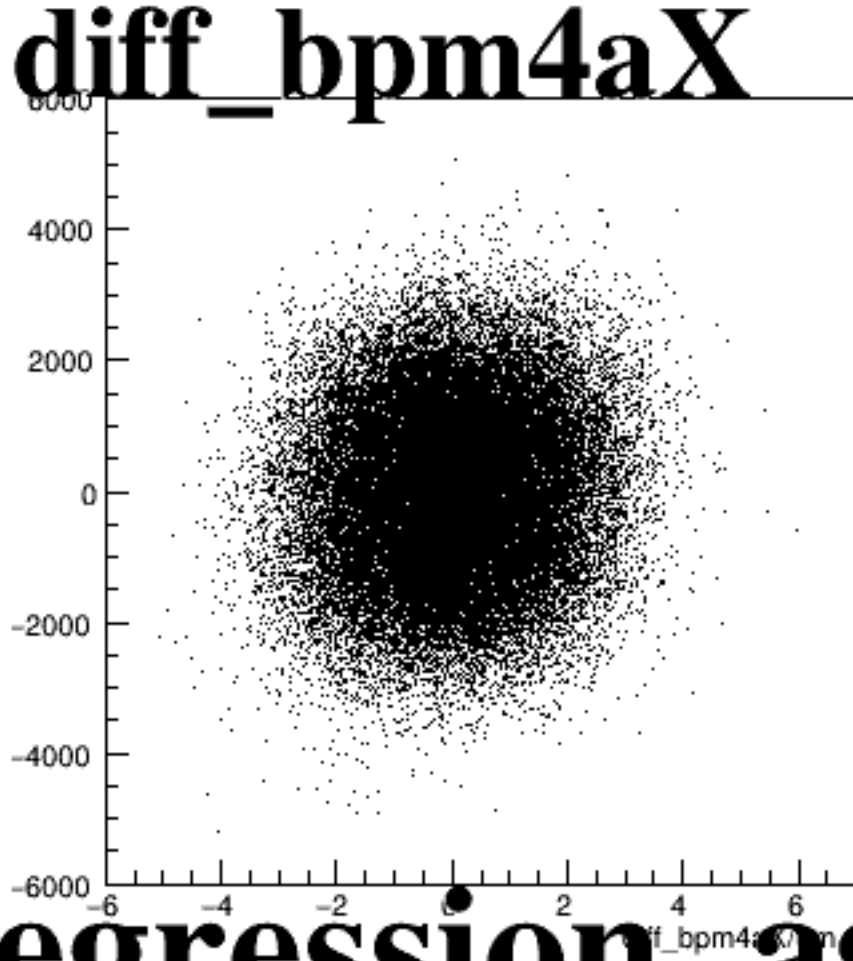
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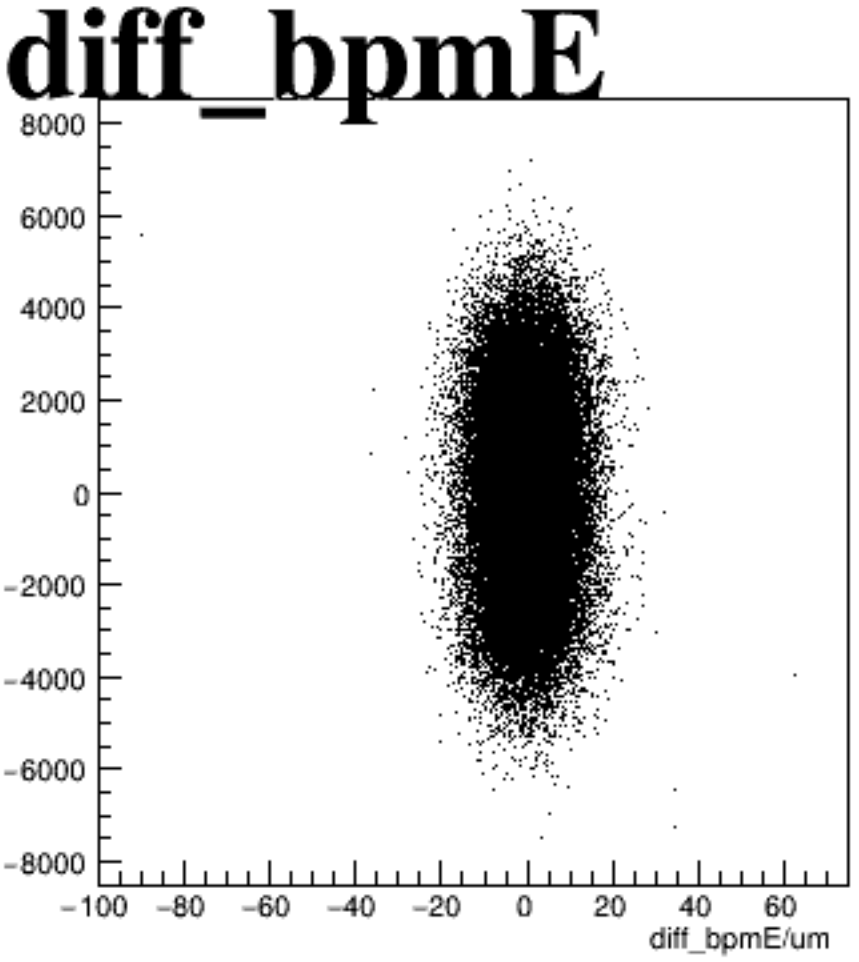
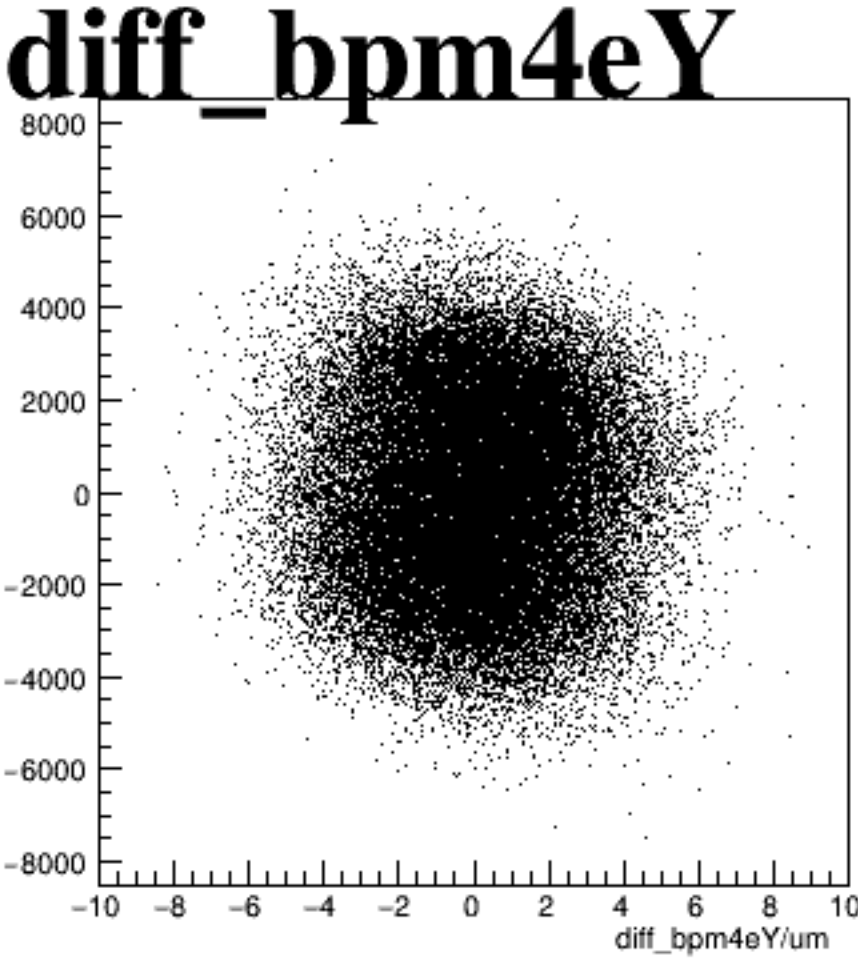
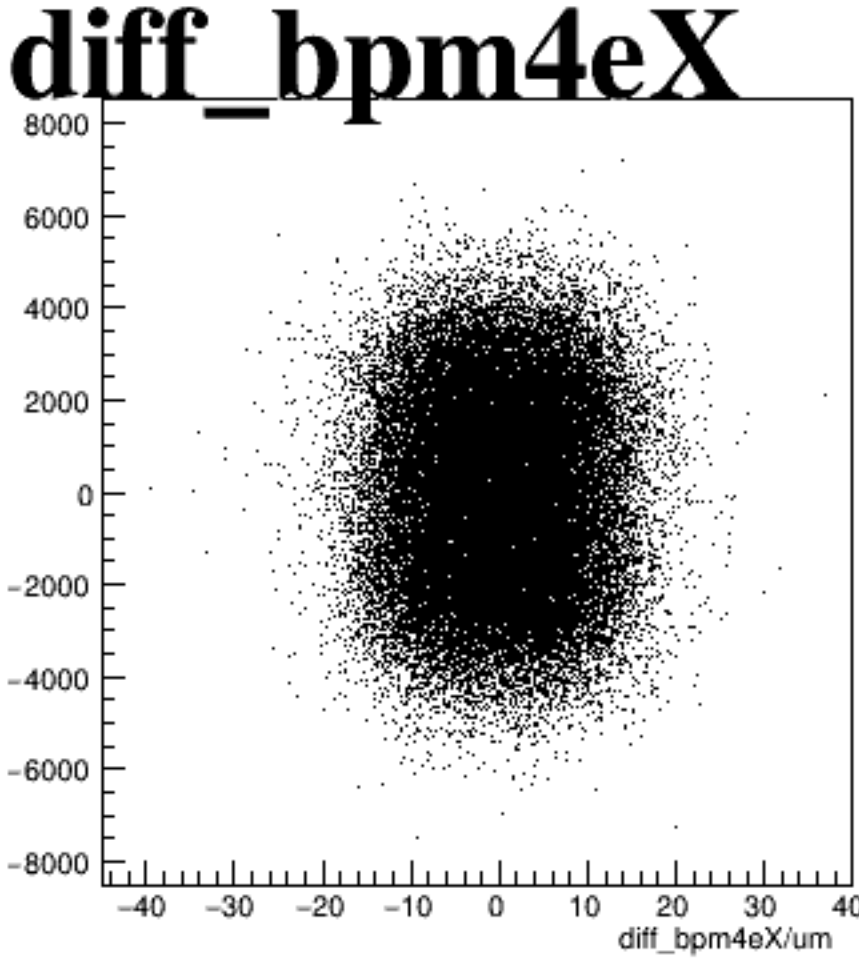
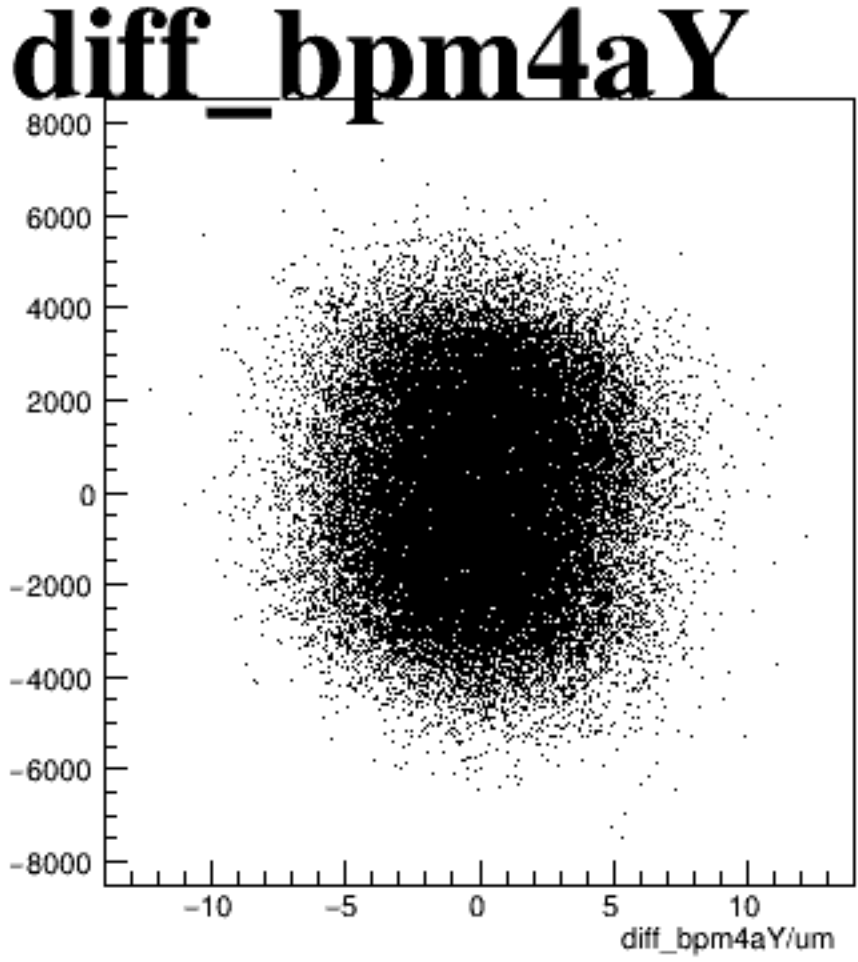
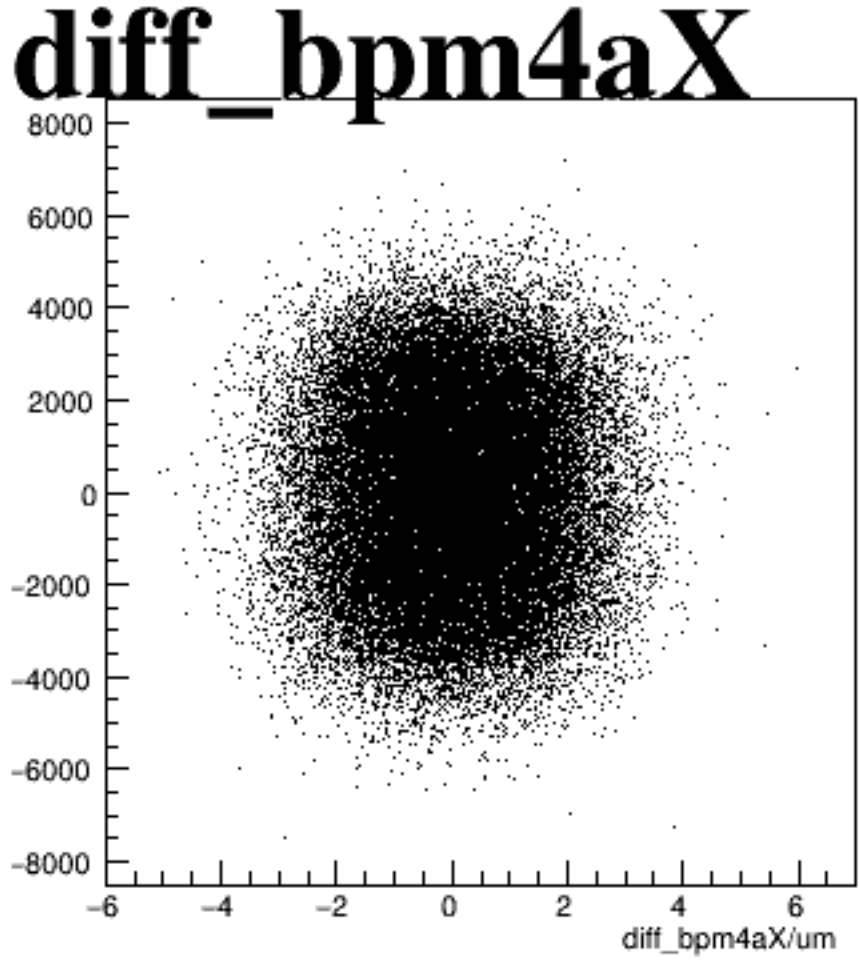
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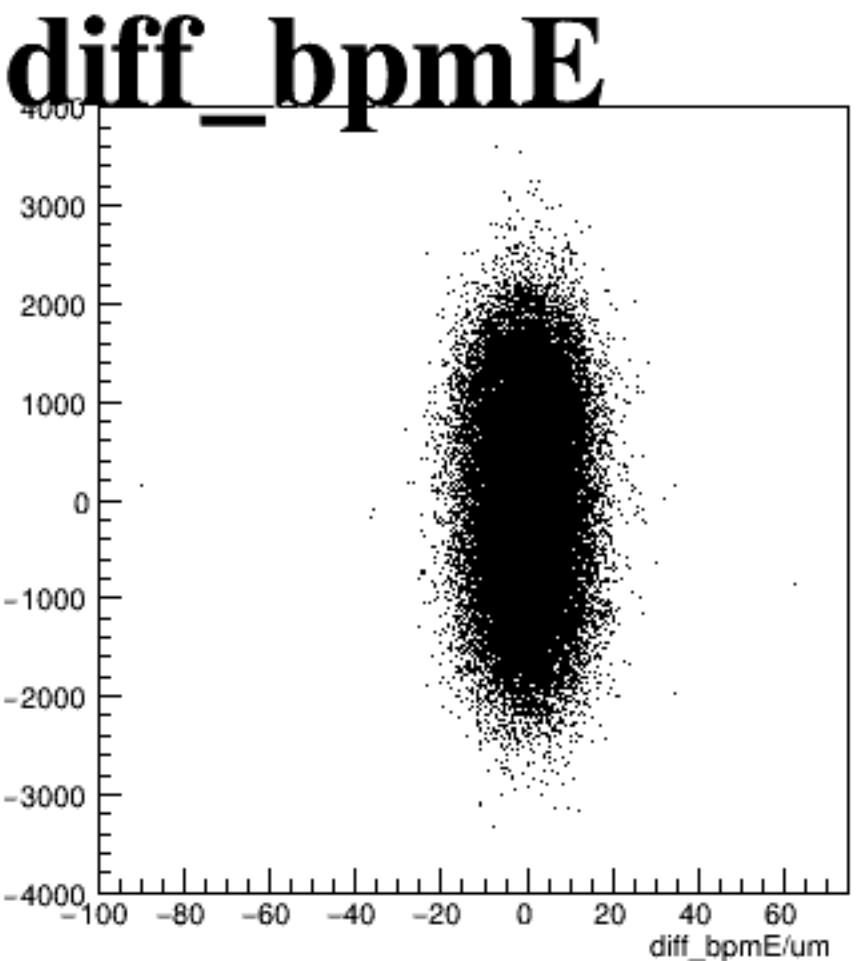
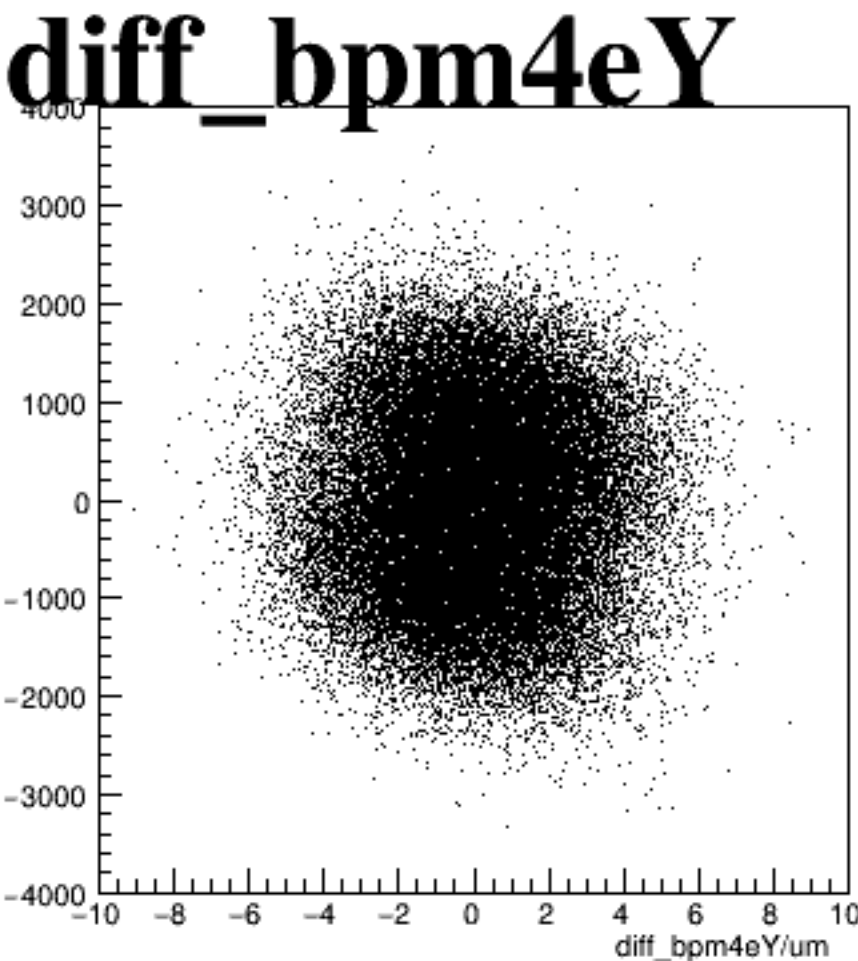
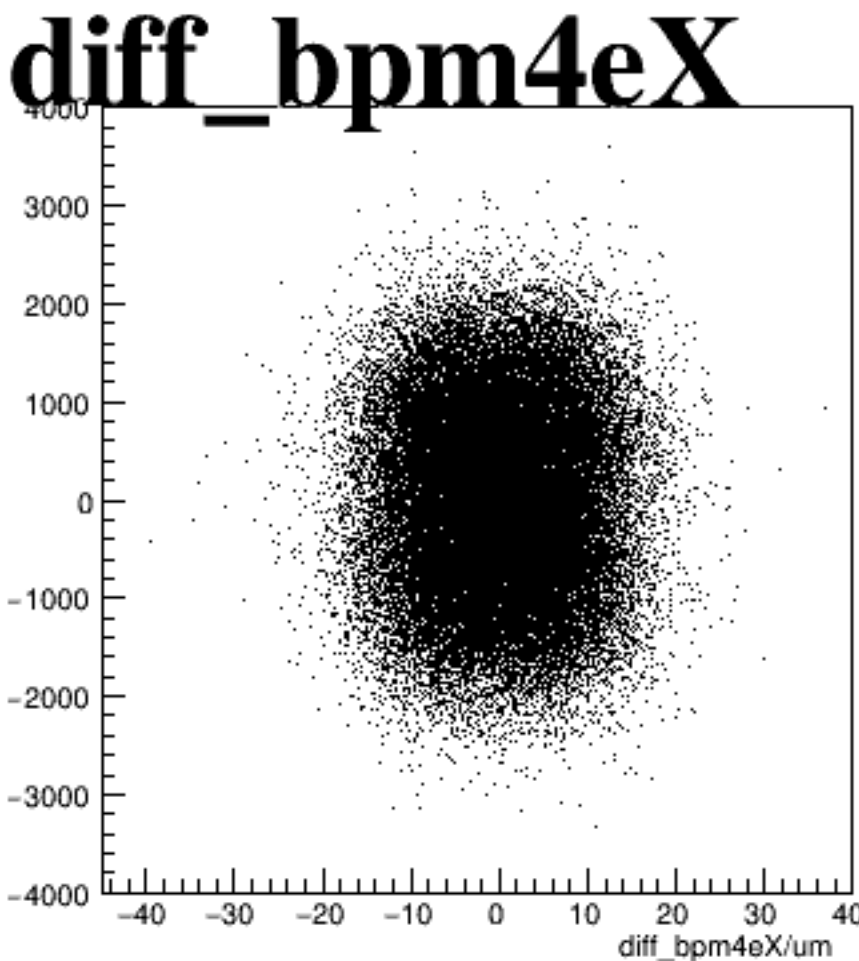
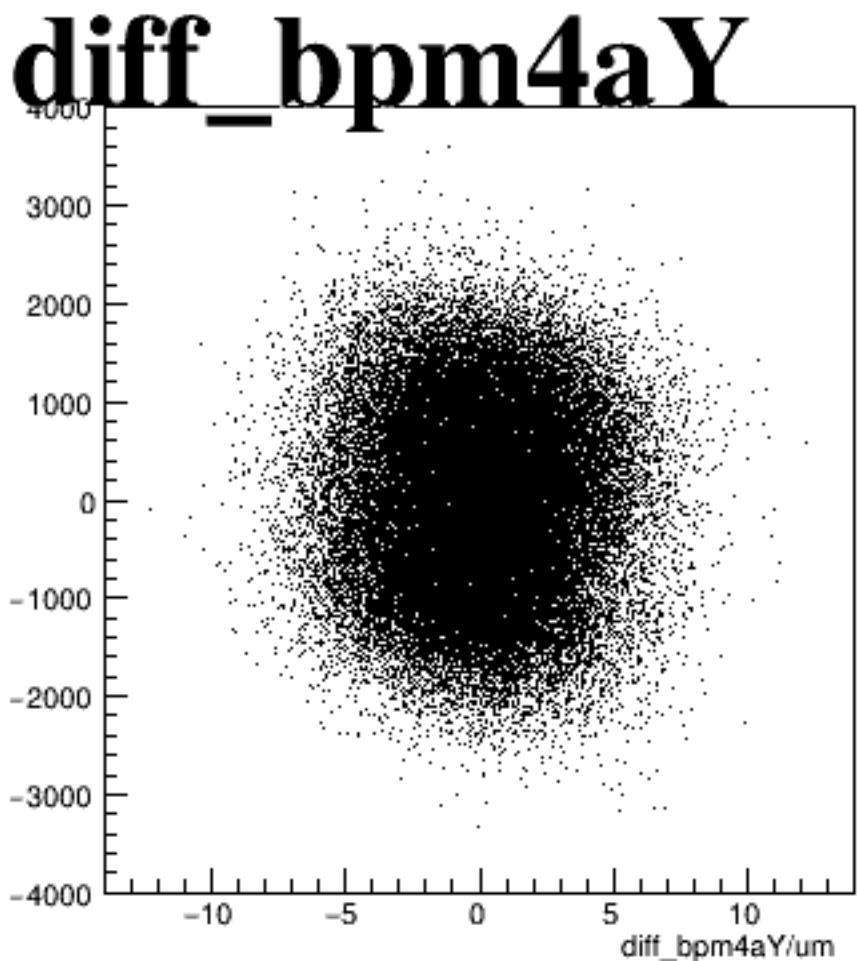
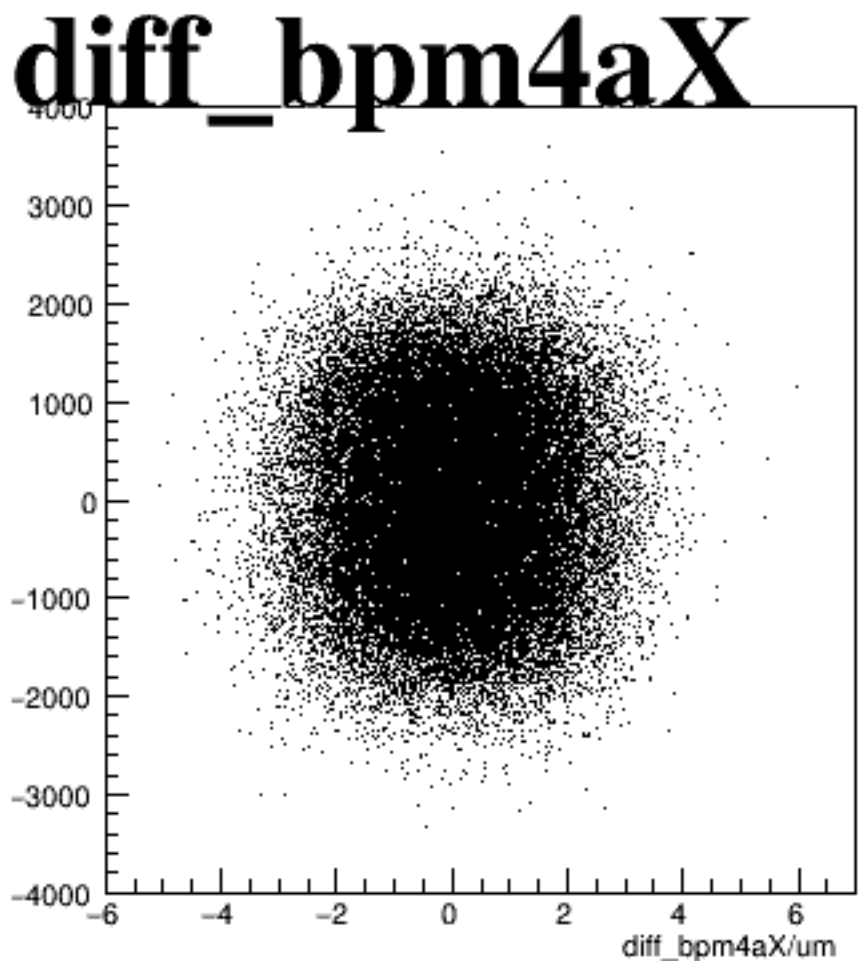
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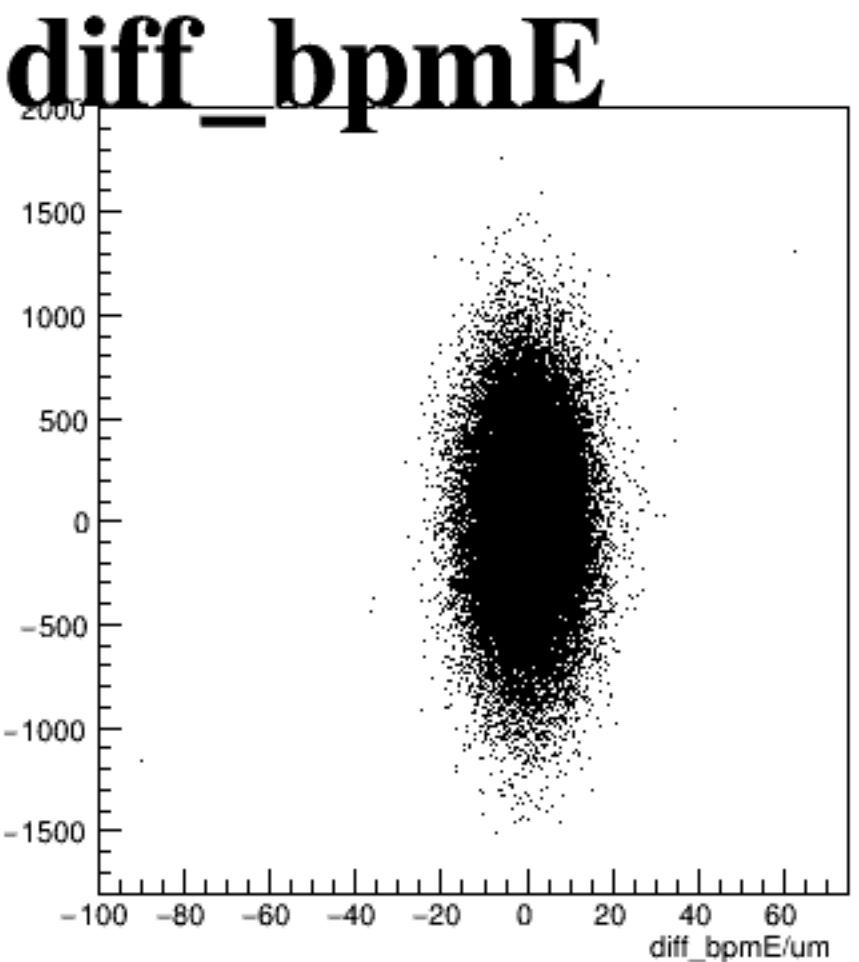
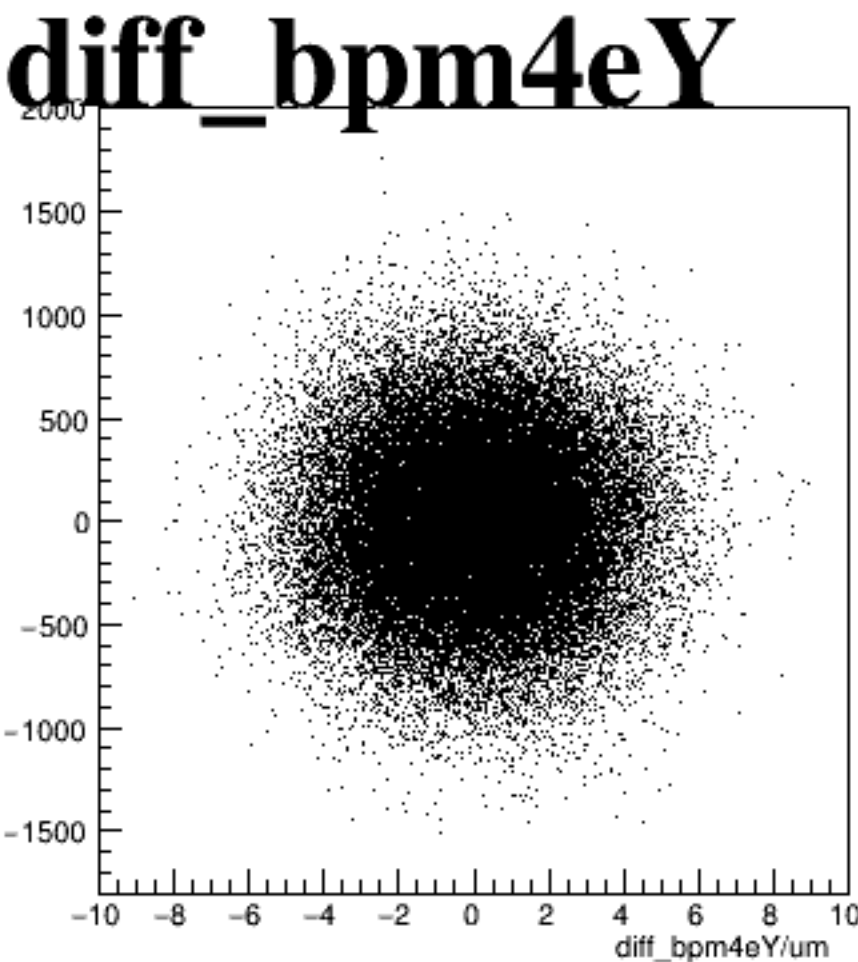
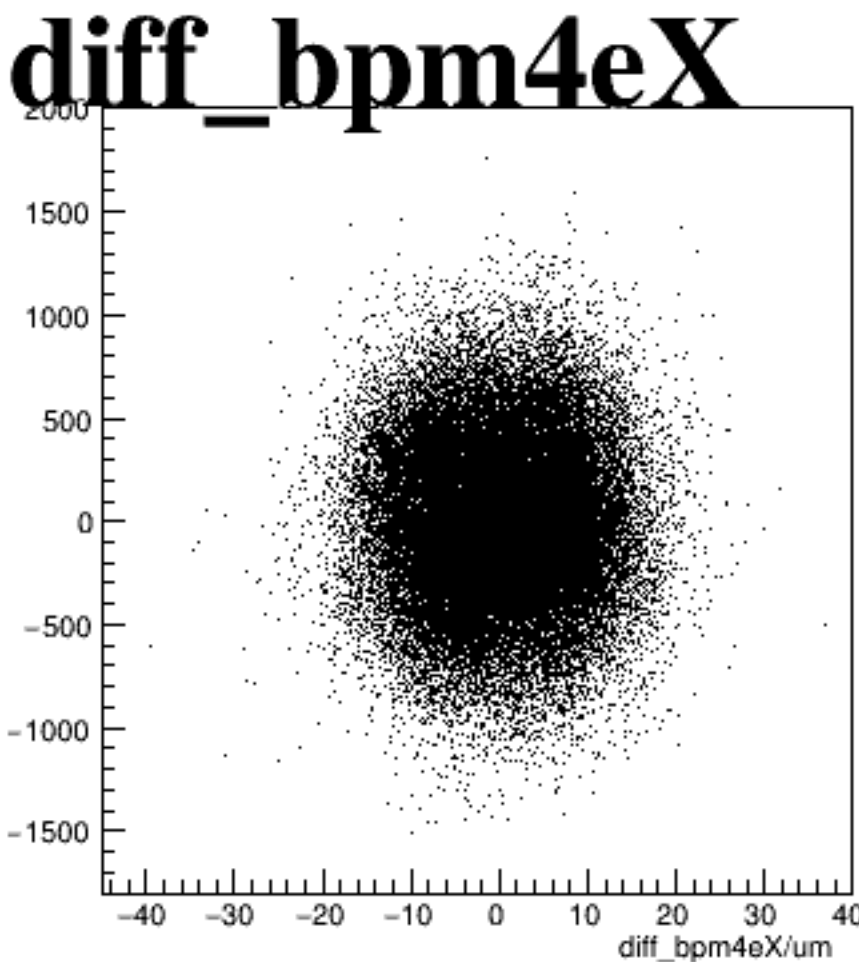
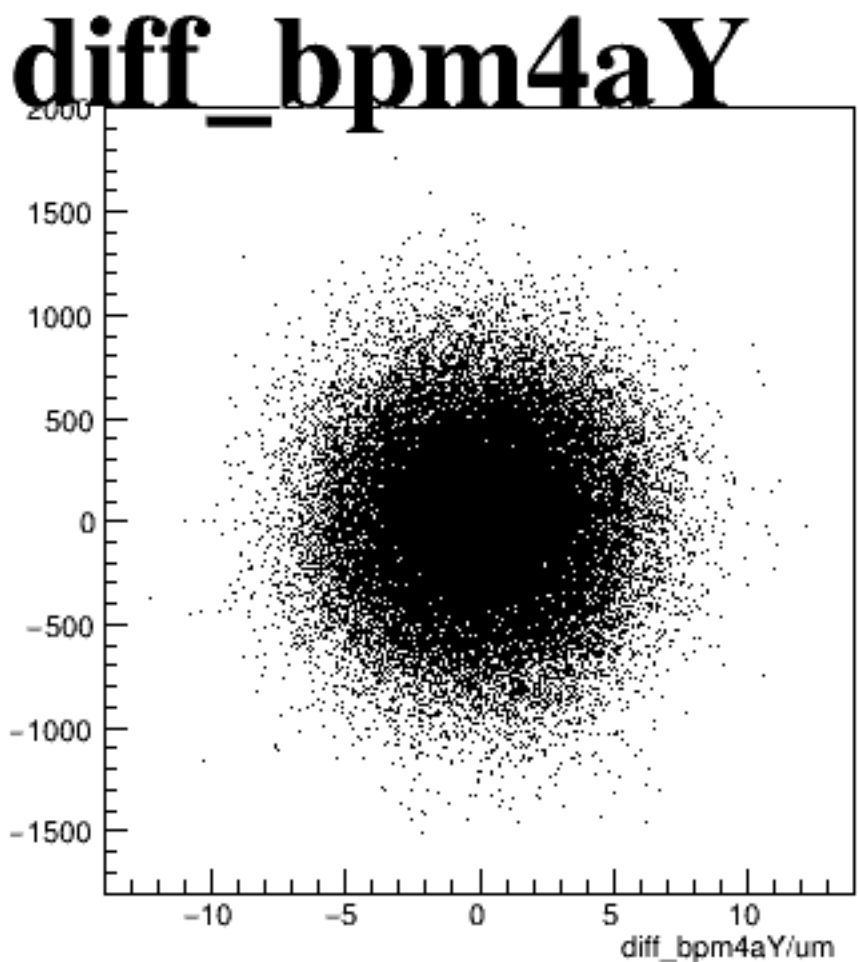
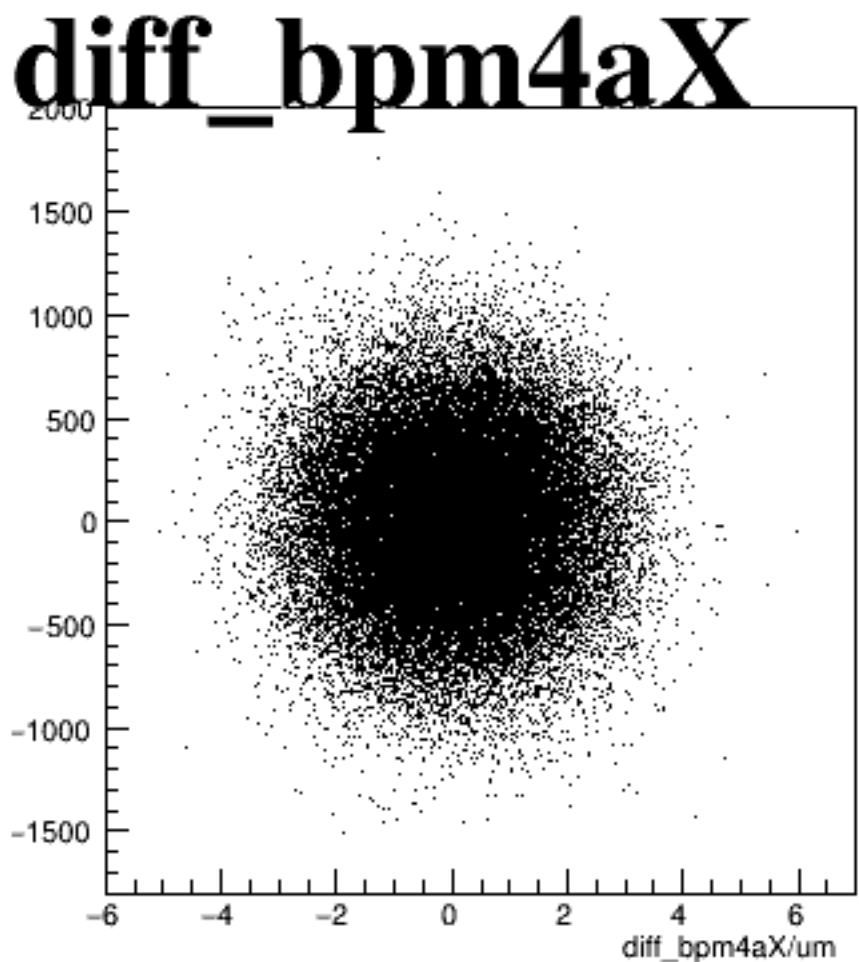
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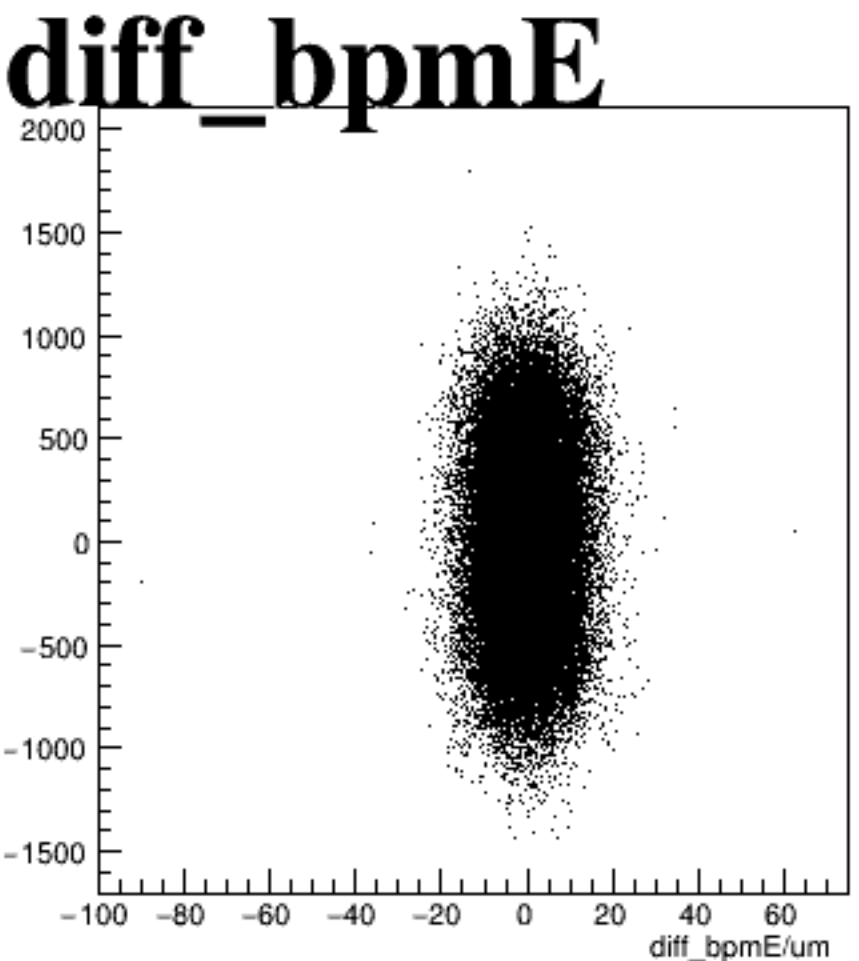
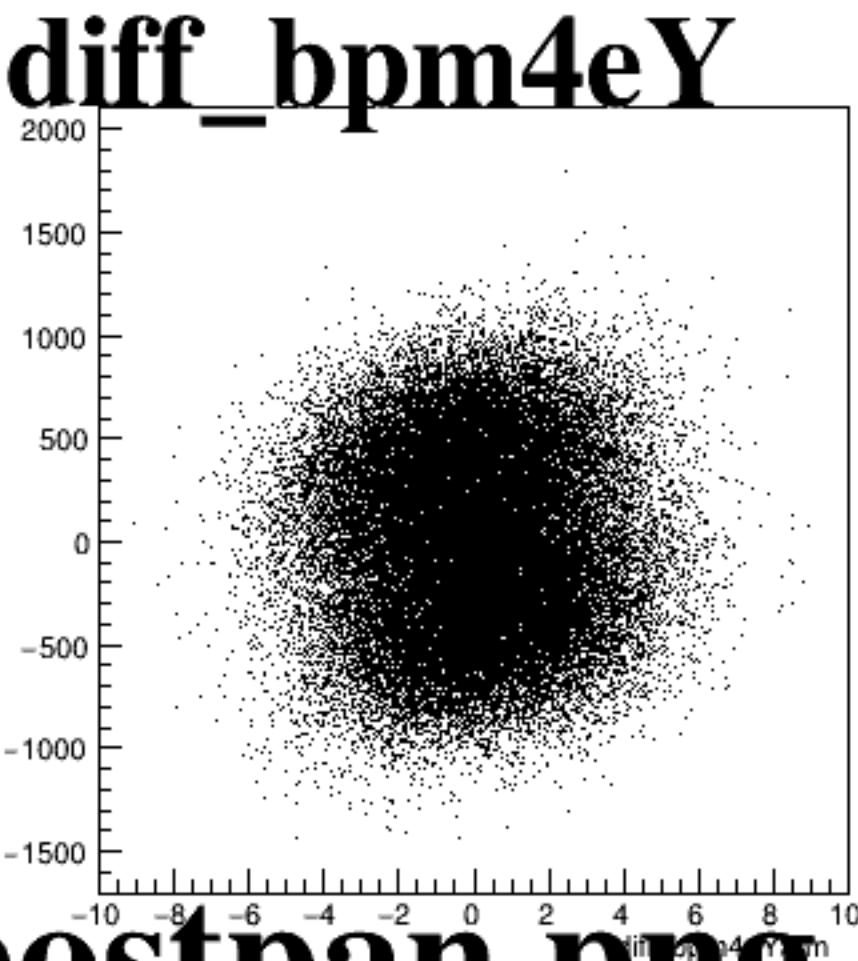
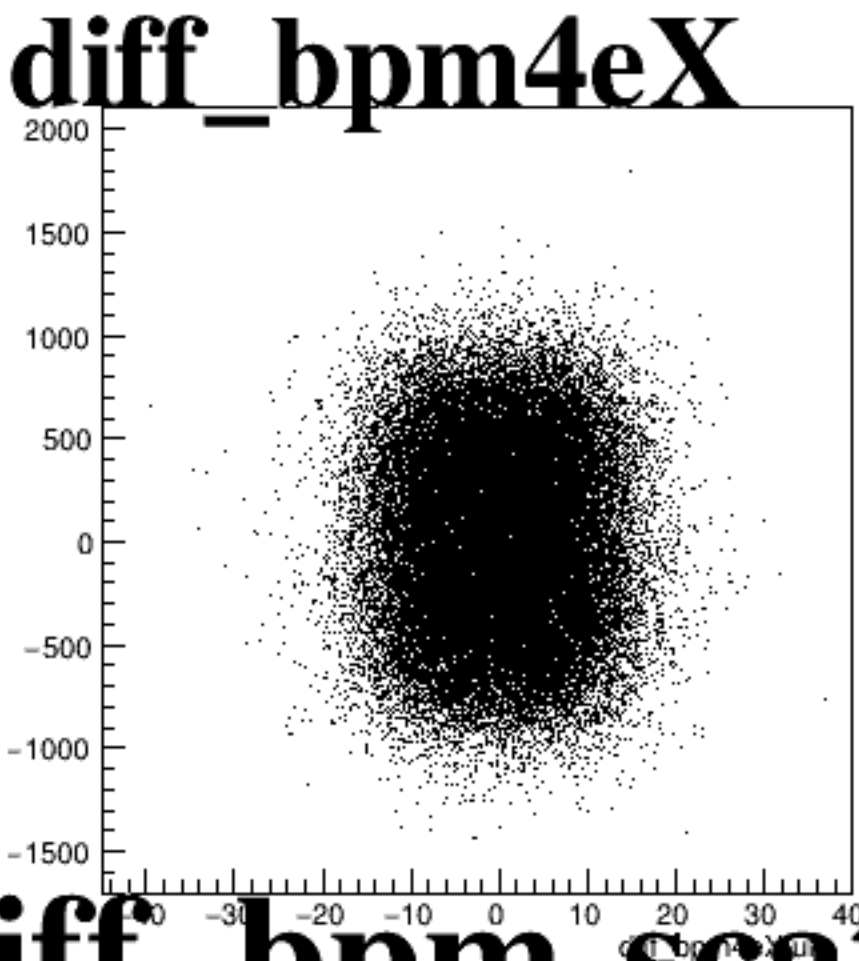
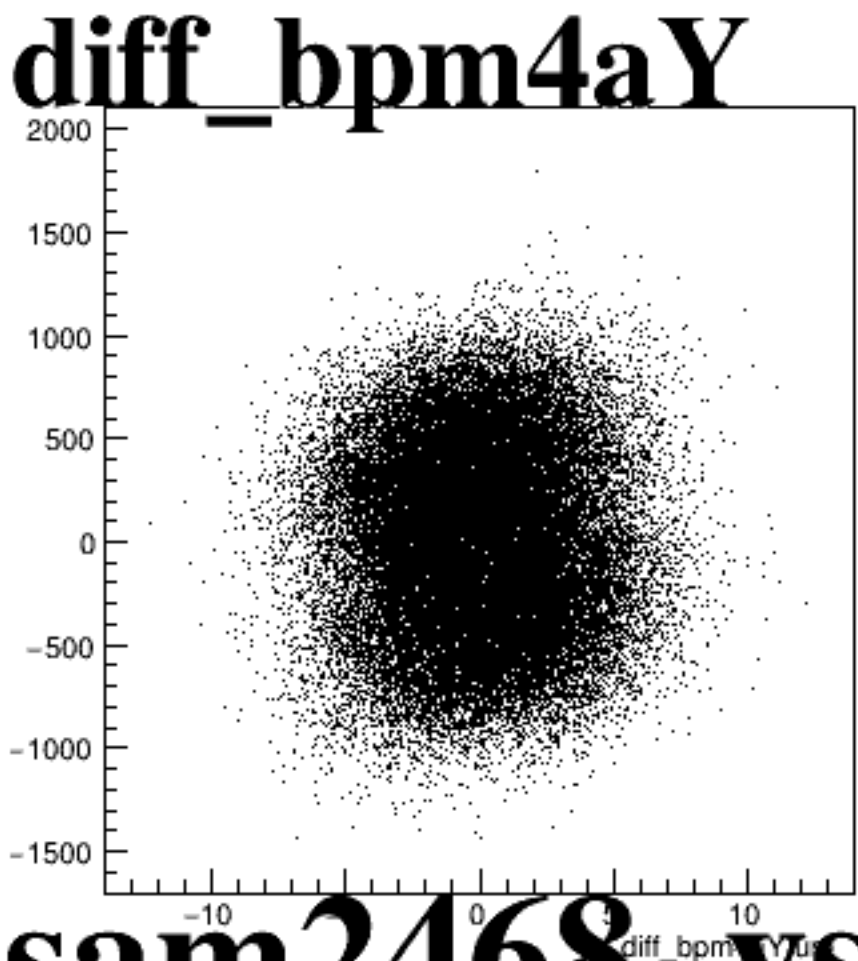
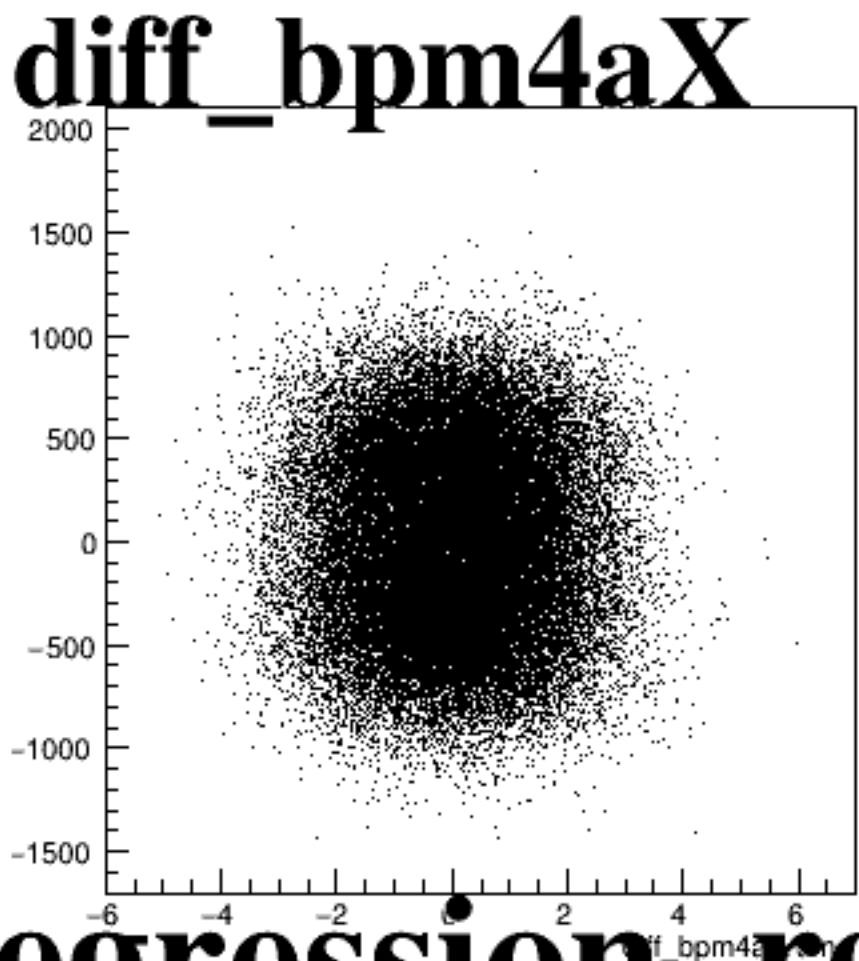
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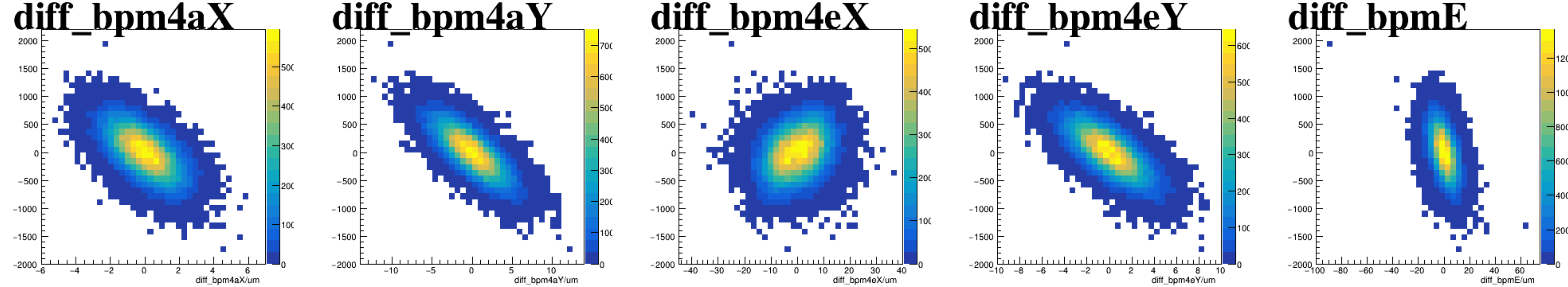
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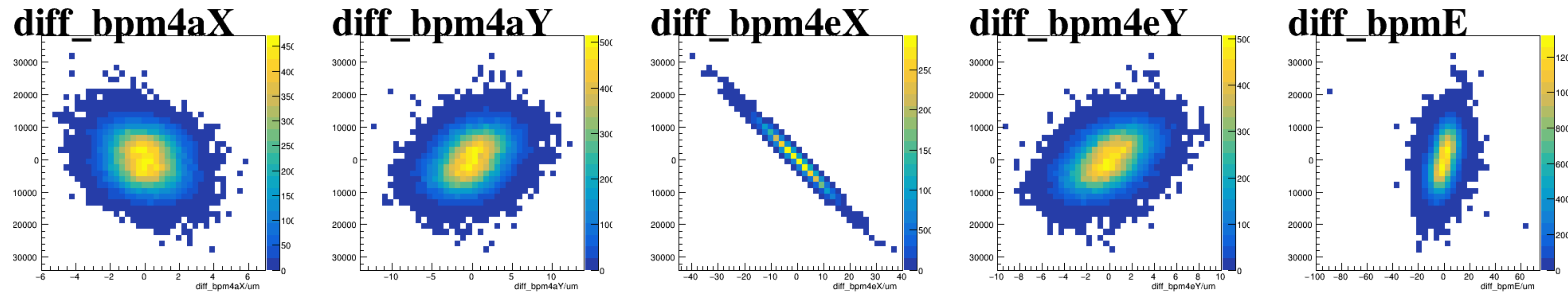
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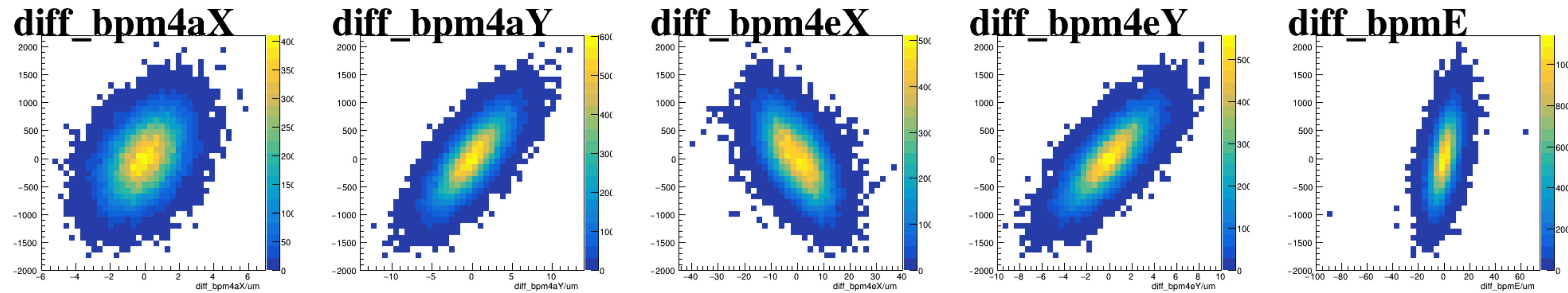
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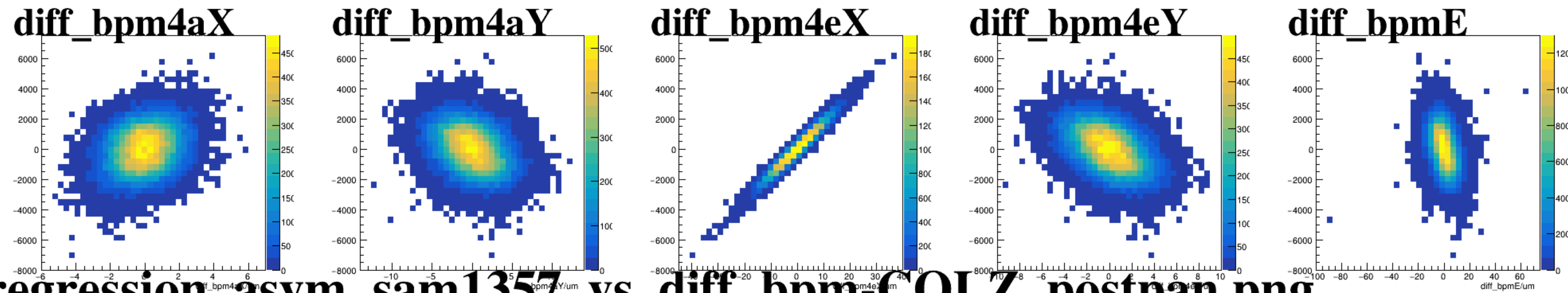
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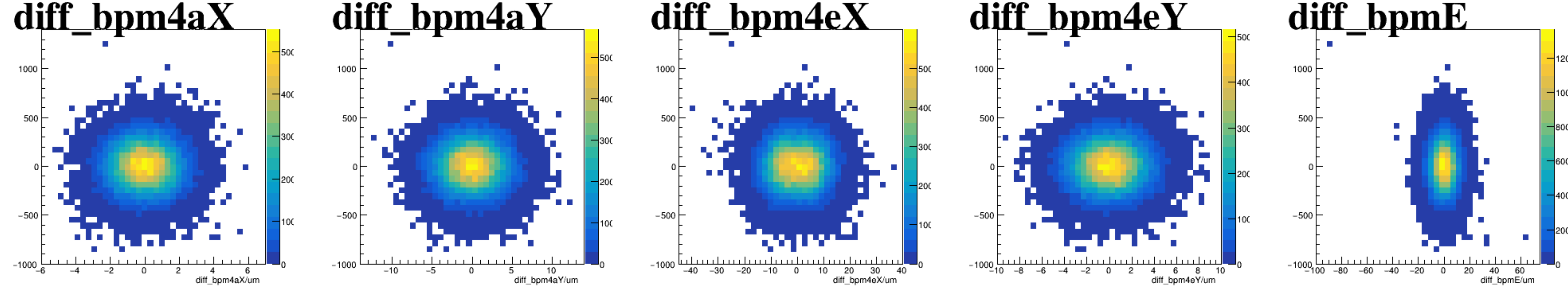
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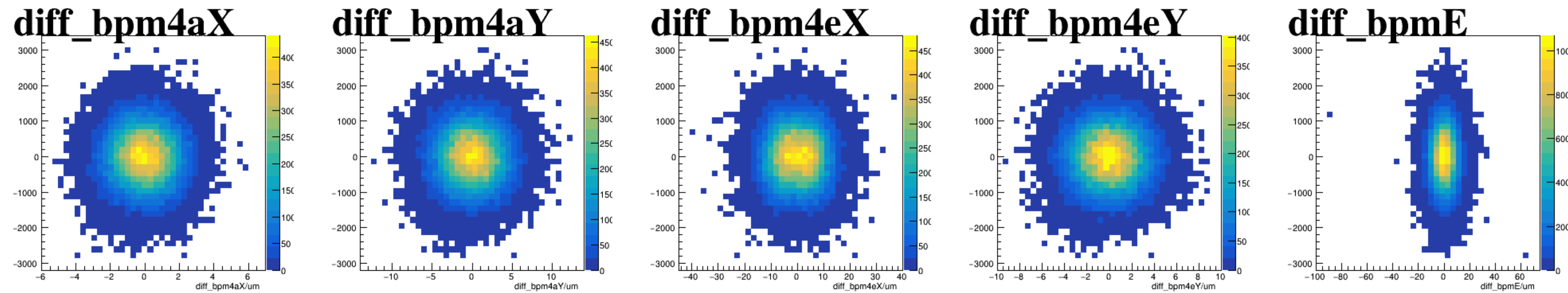
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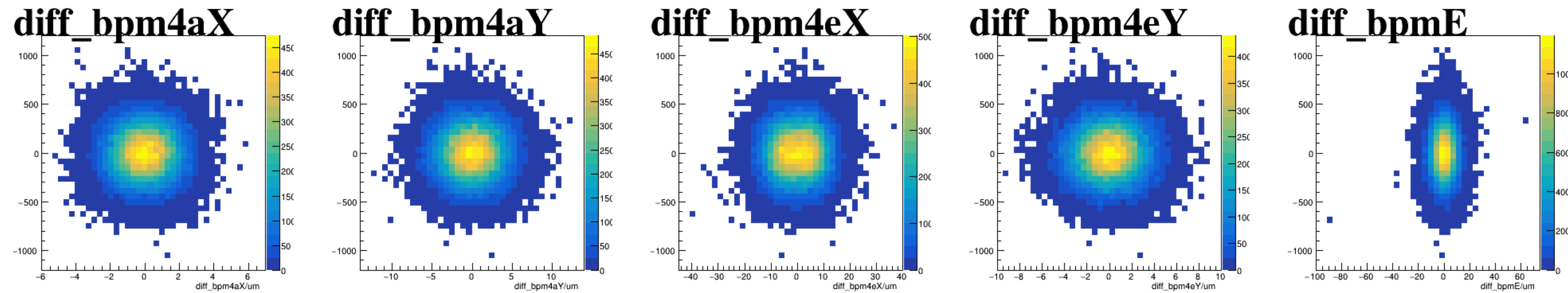
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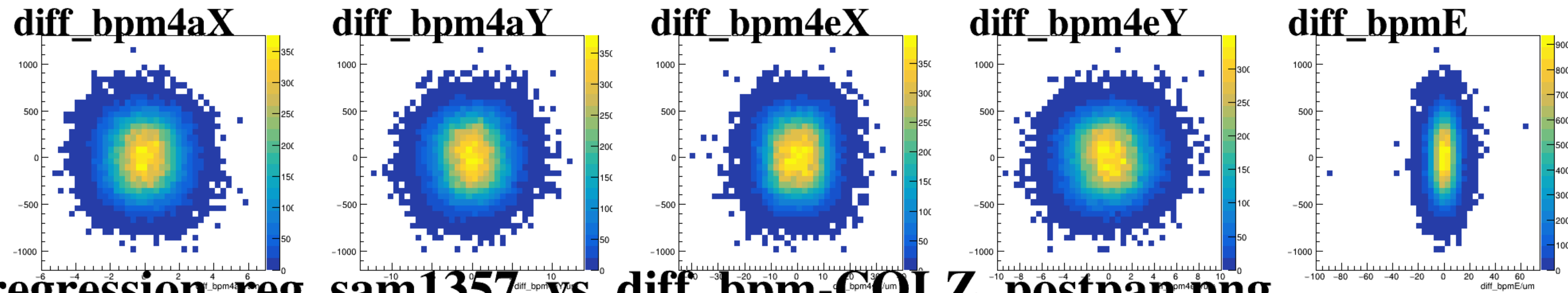
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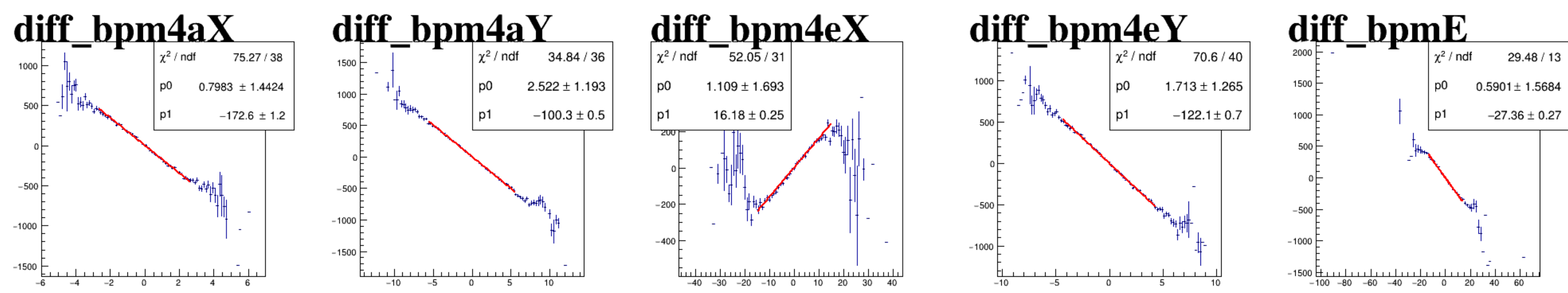
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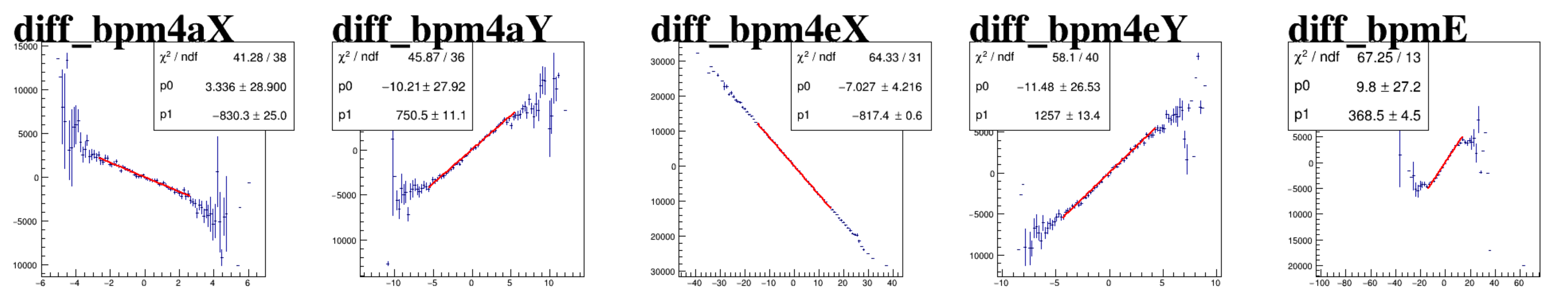
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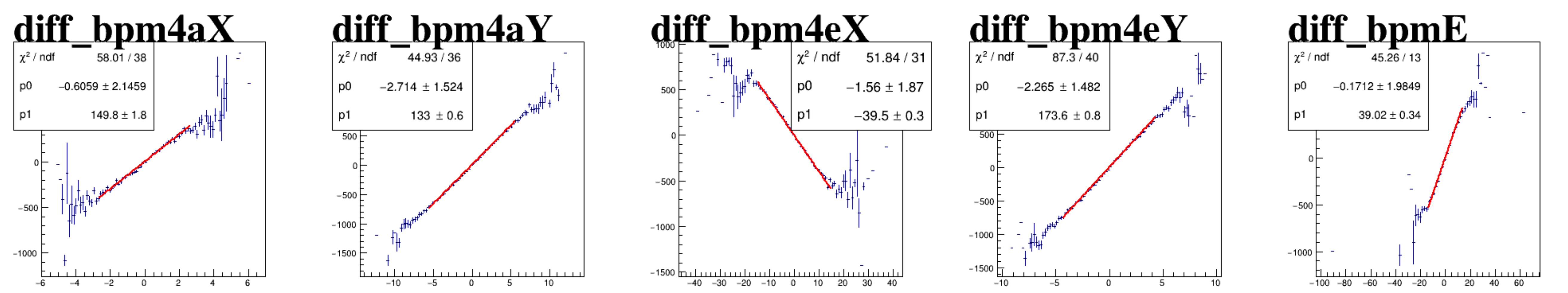
asym_sam1



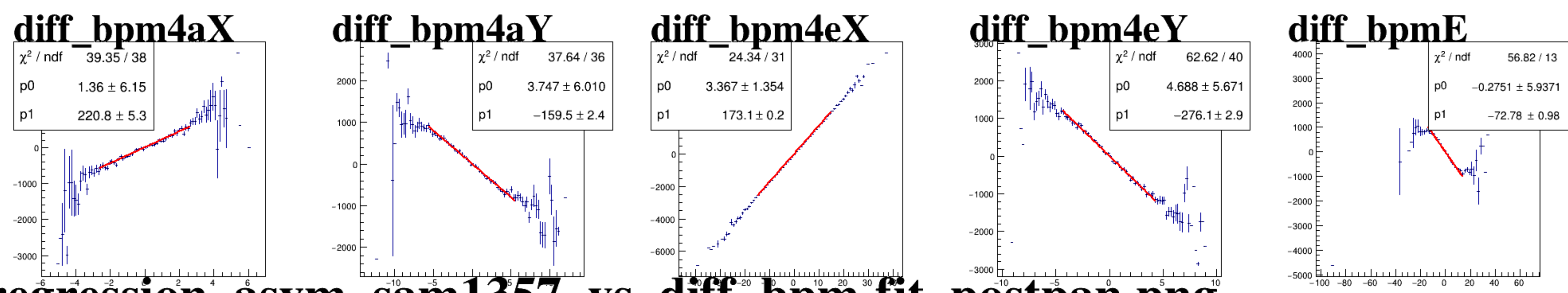
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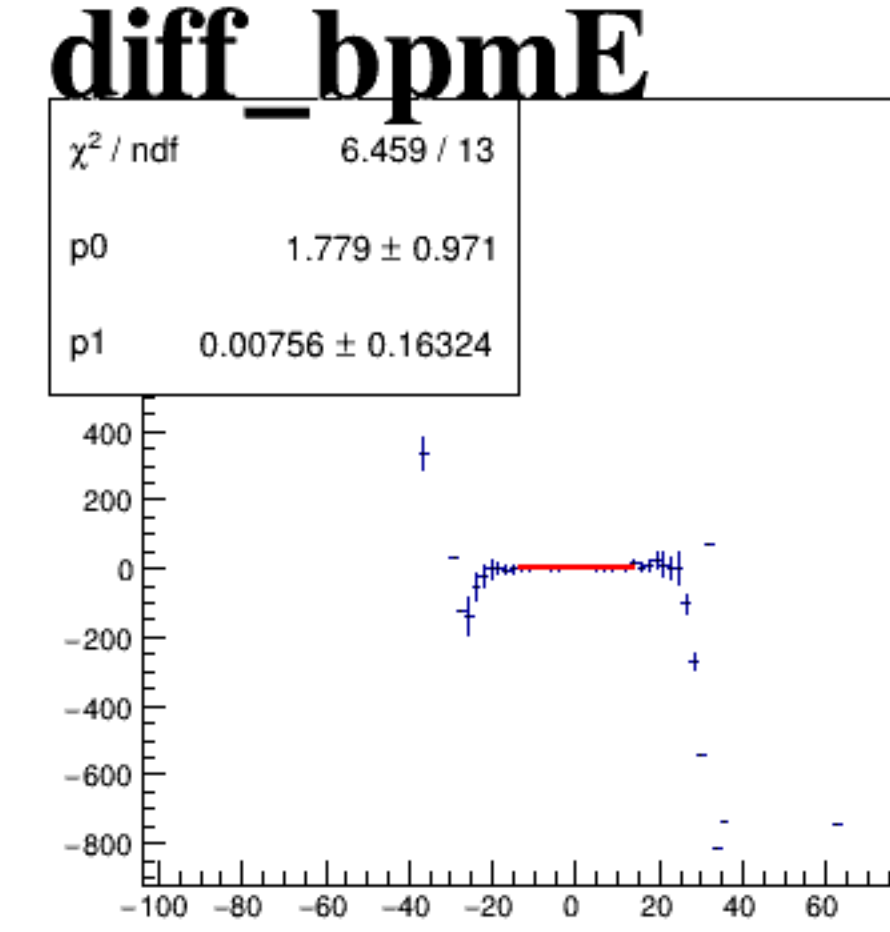
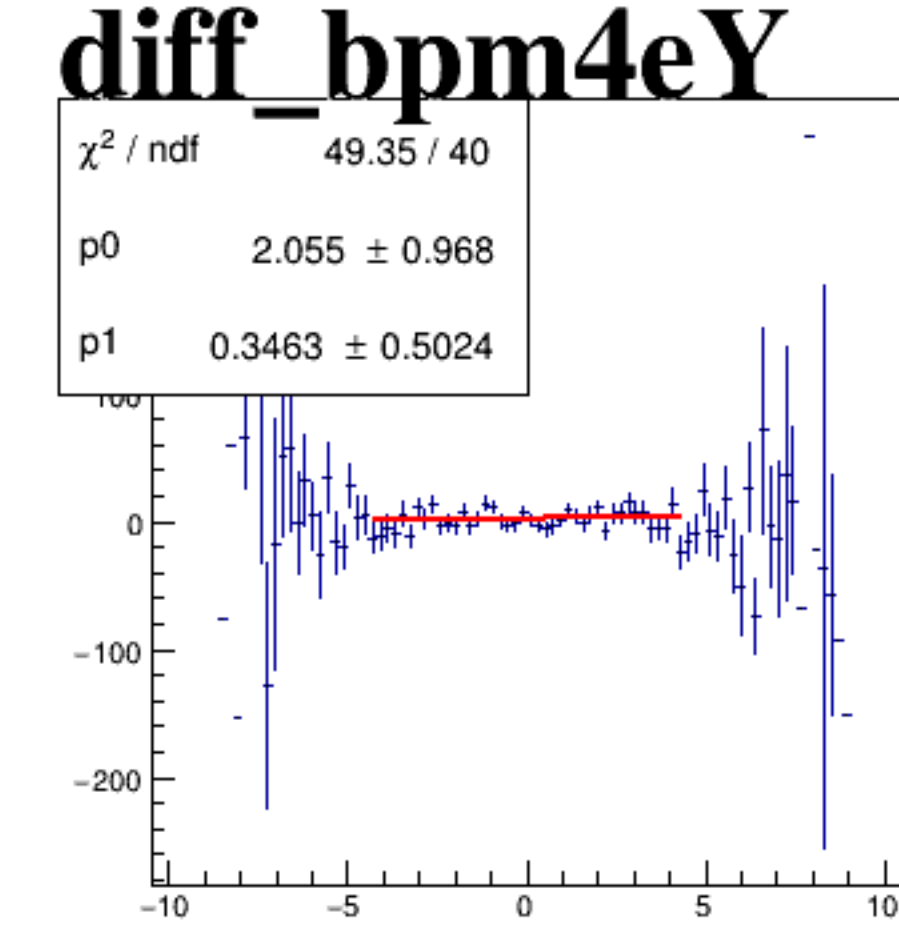
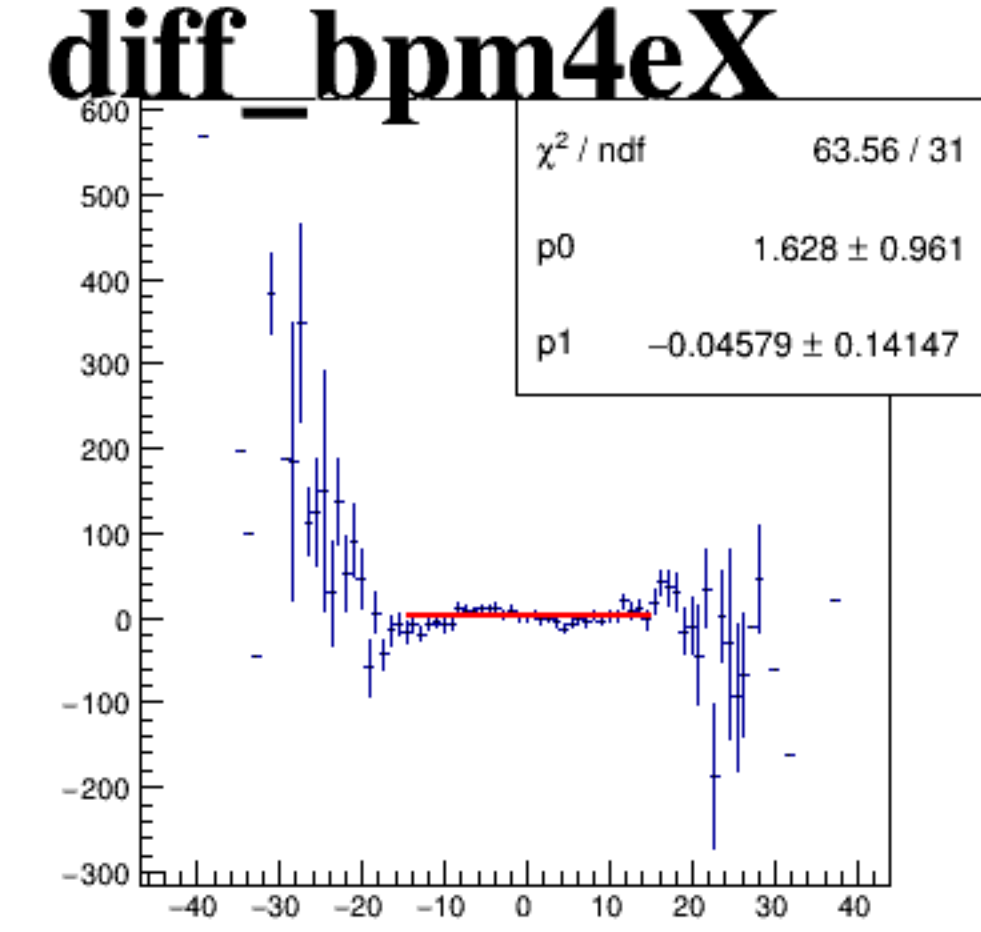
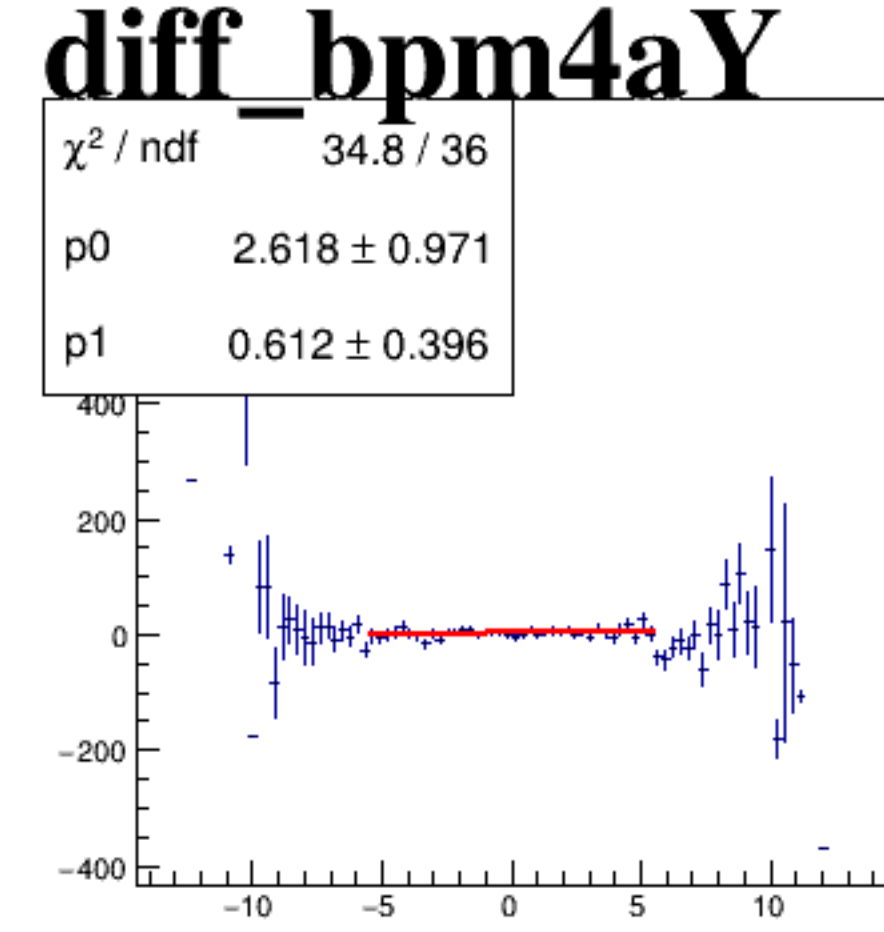
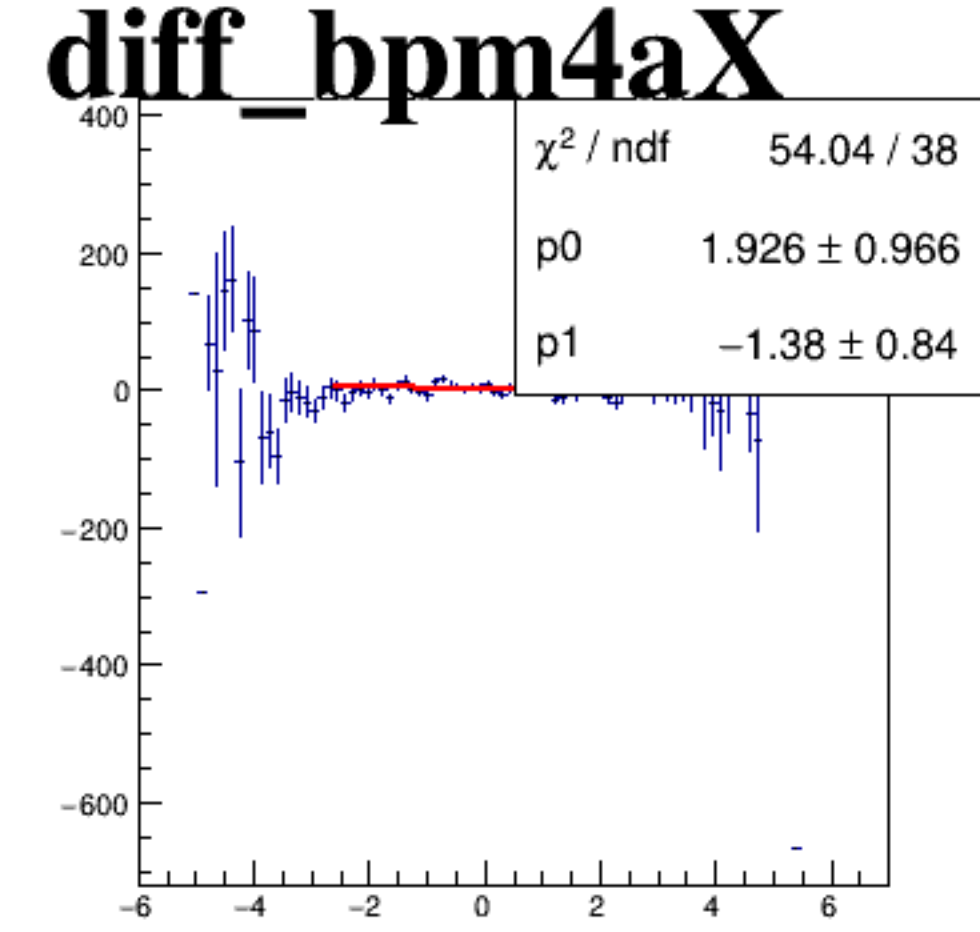
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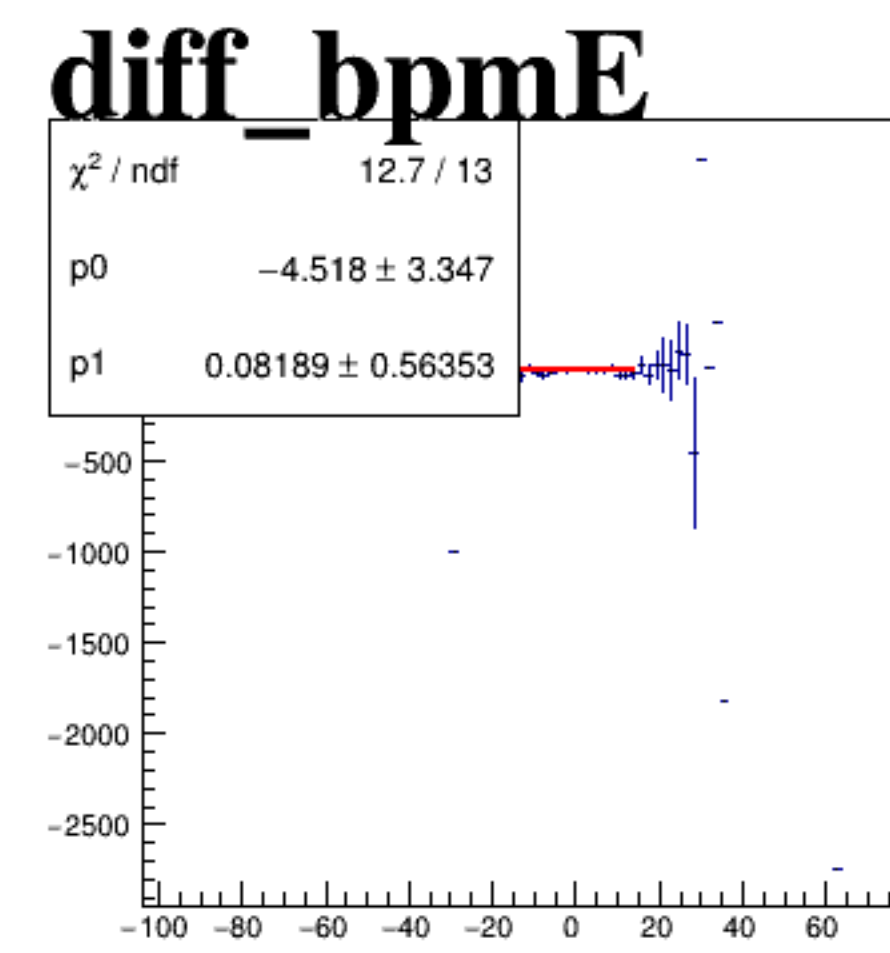
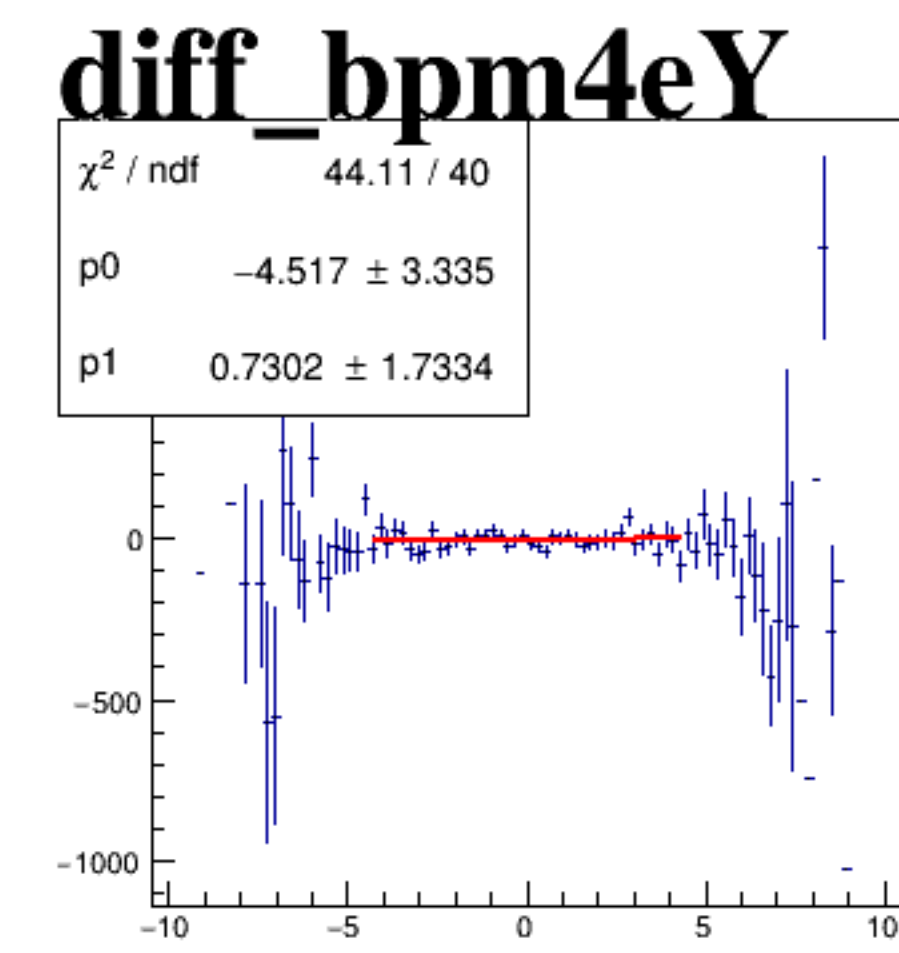
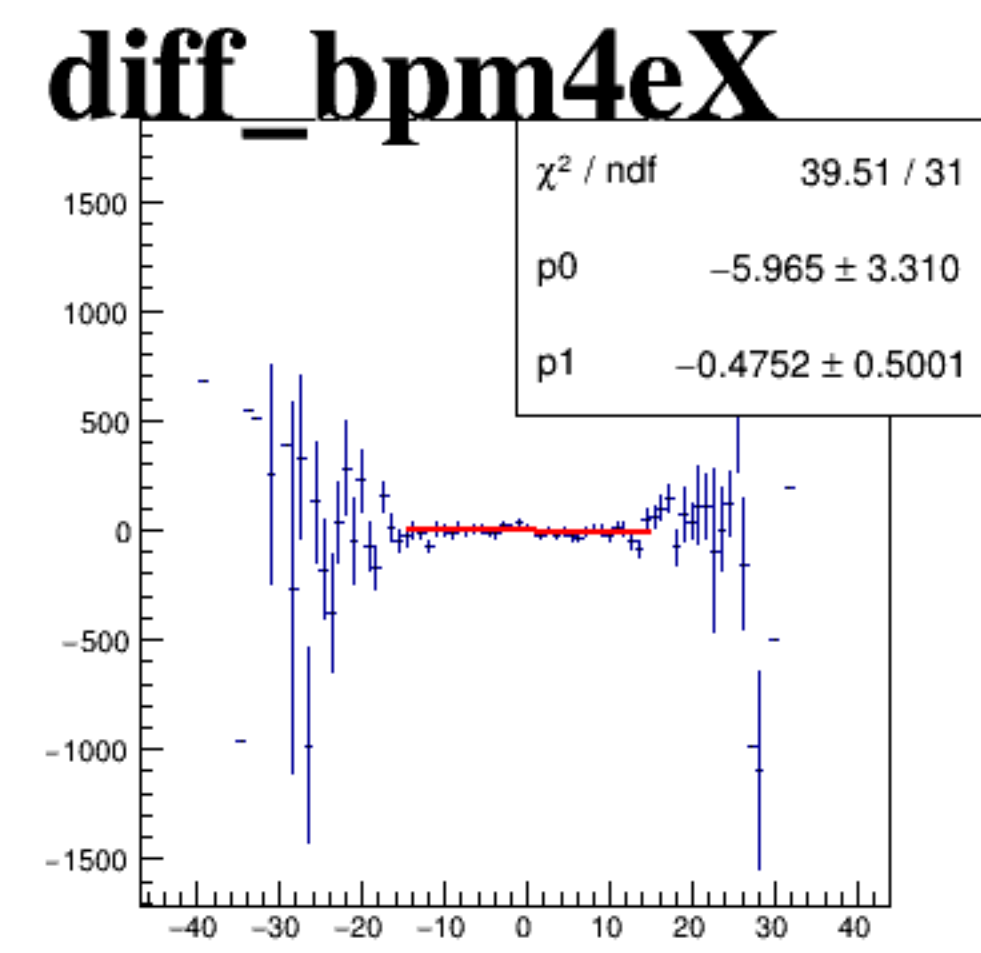
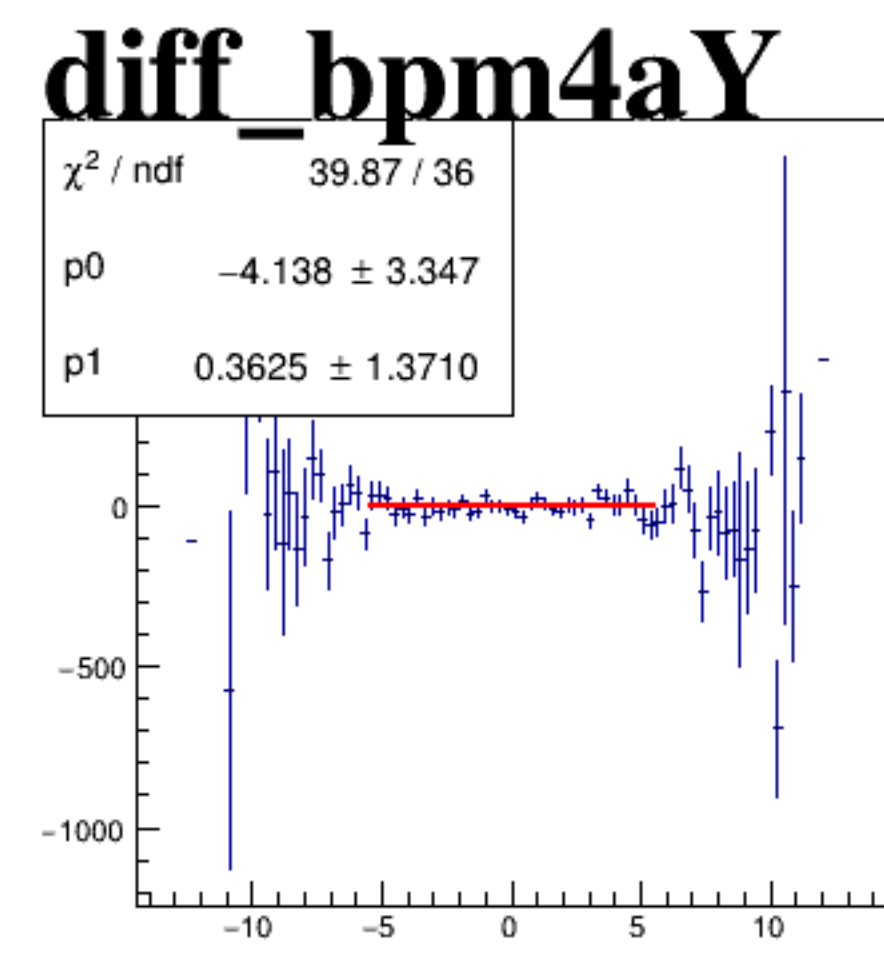
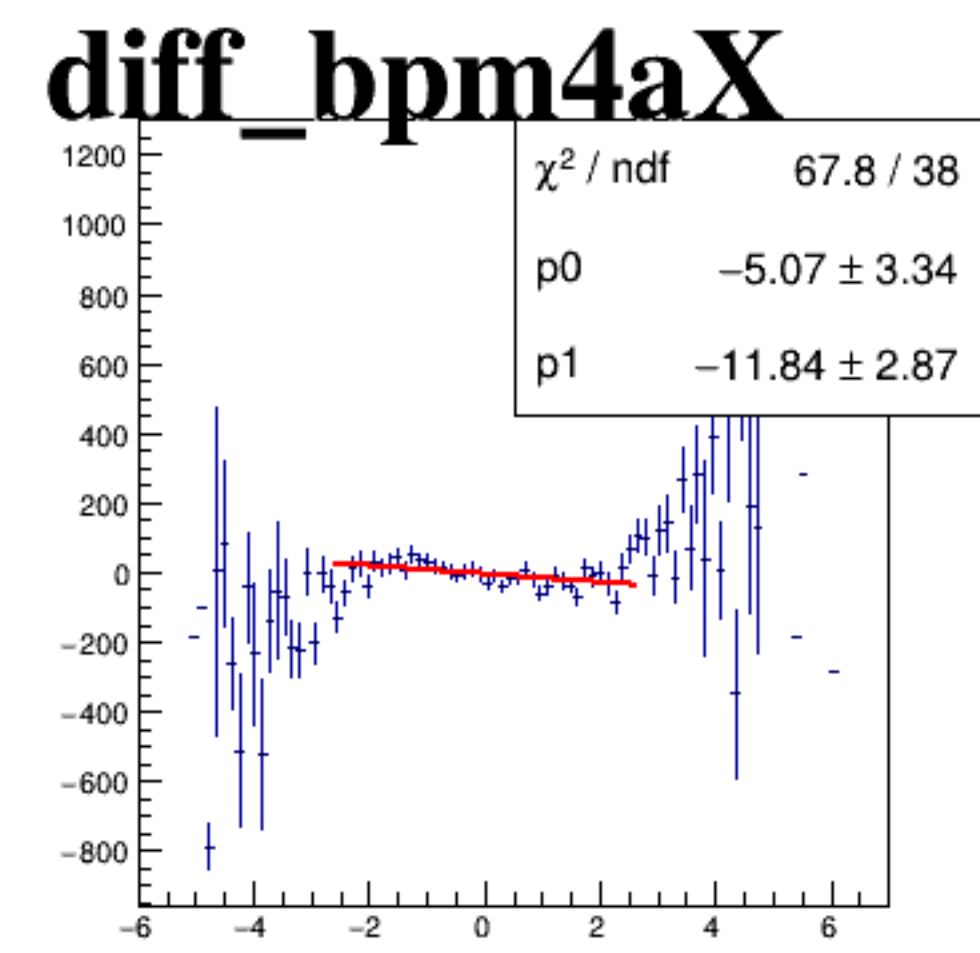
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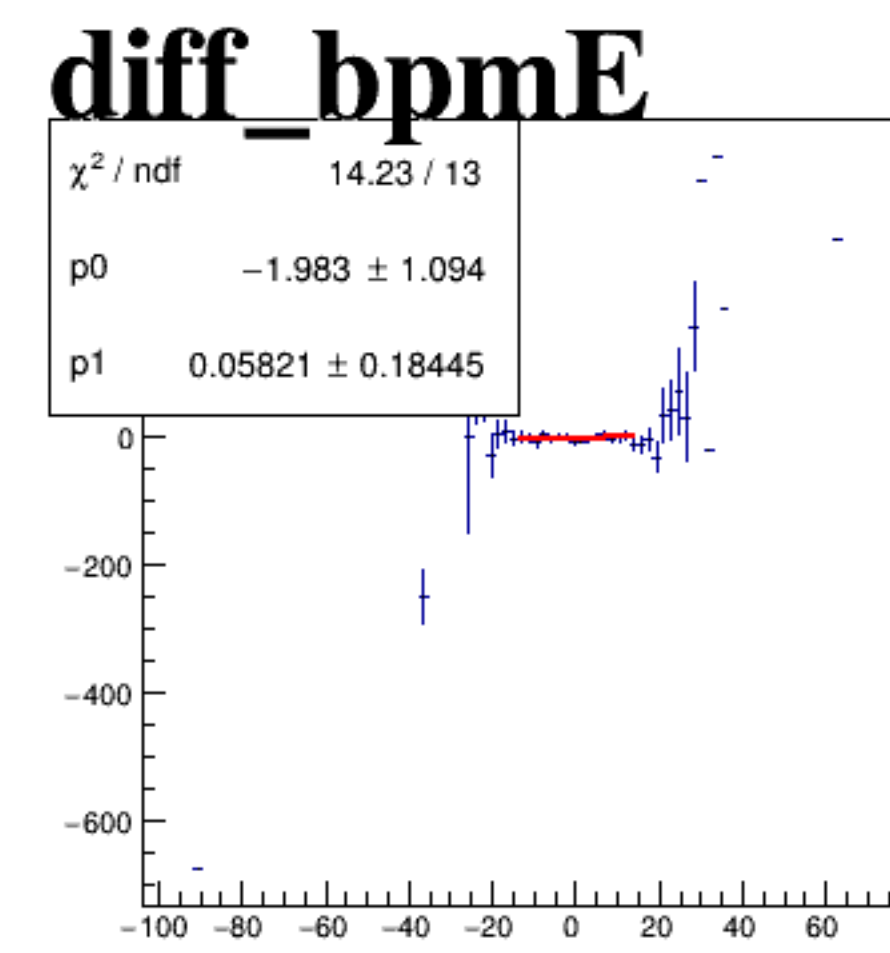
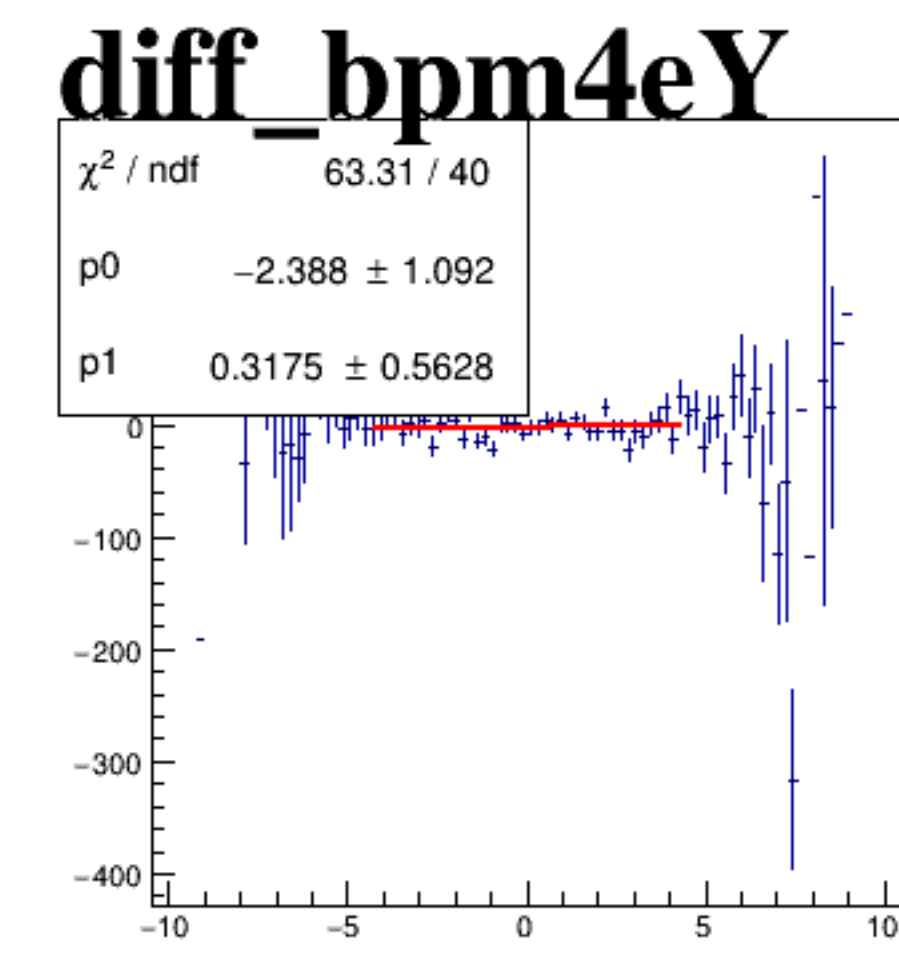
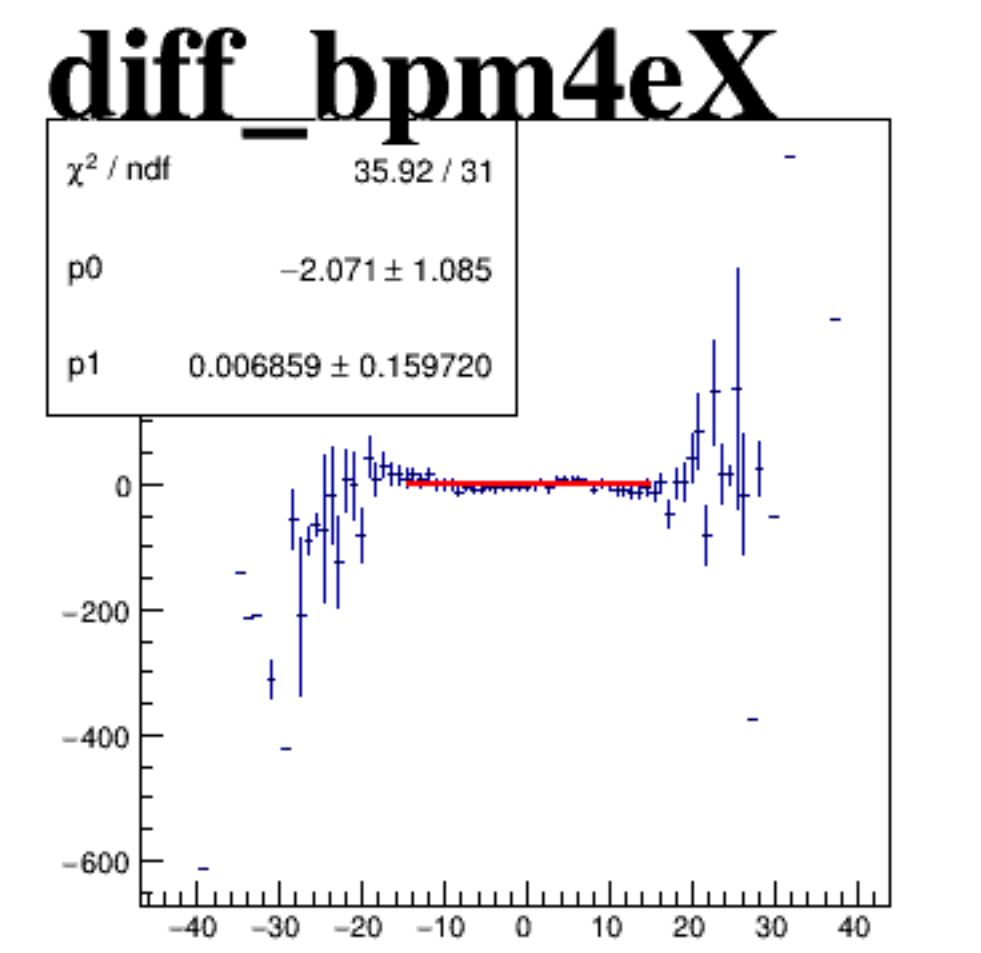
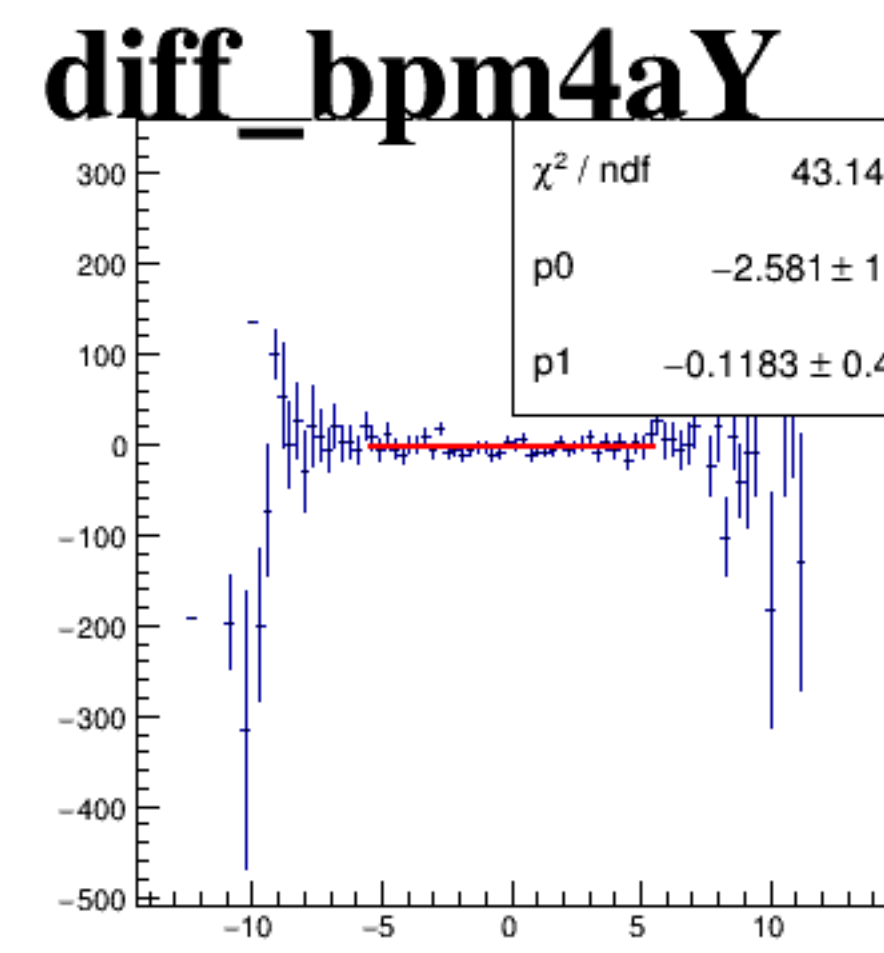
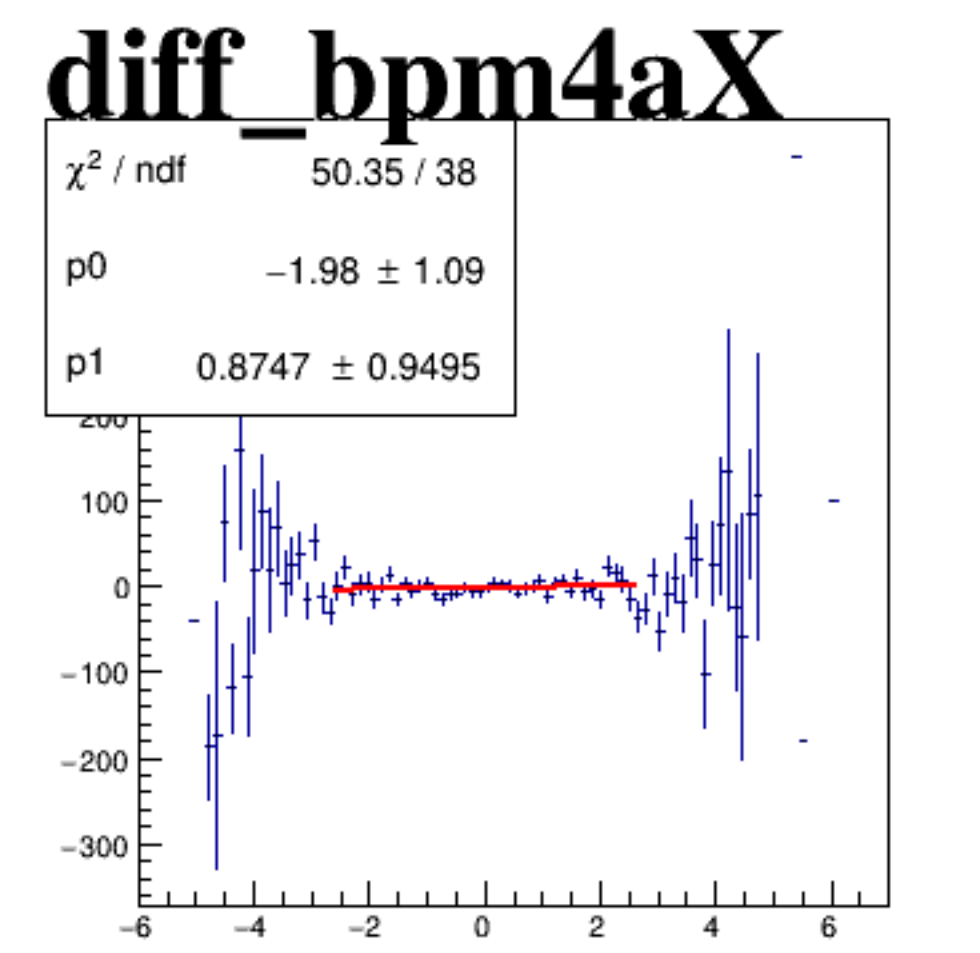
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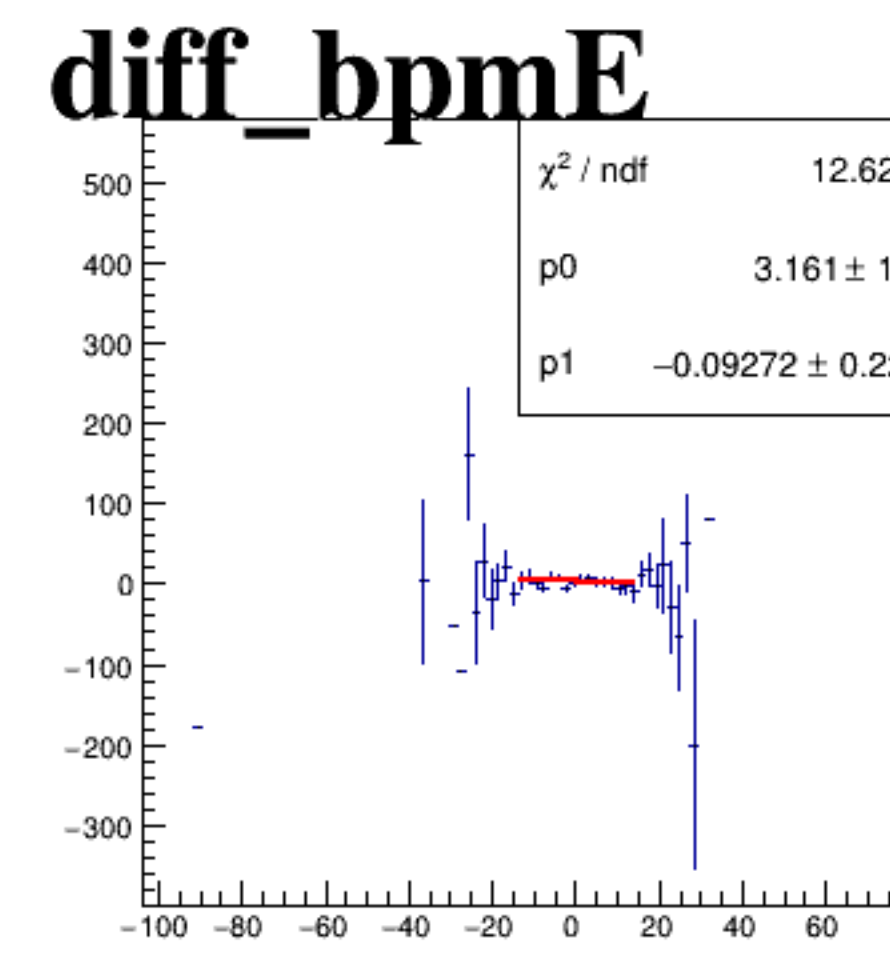
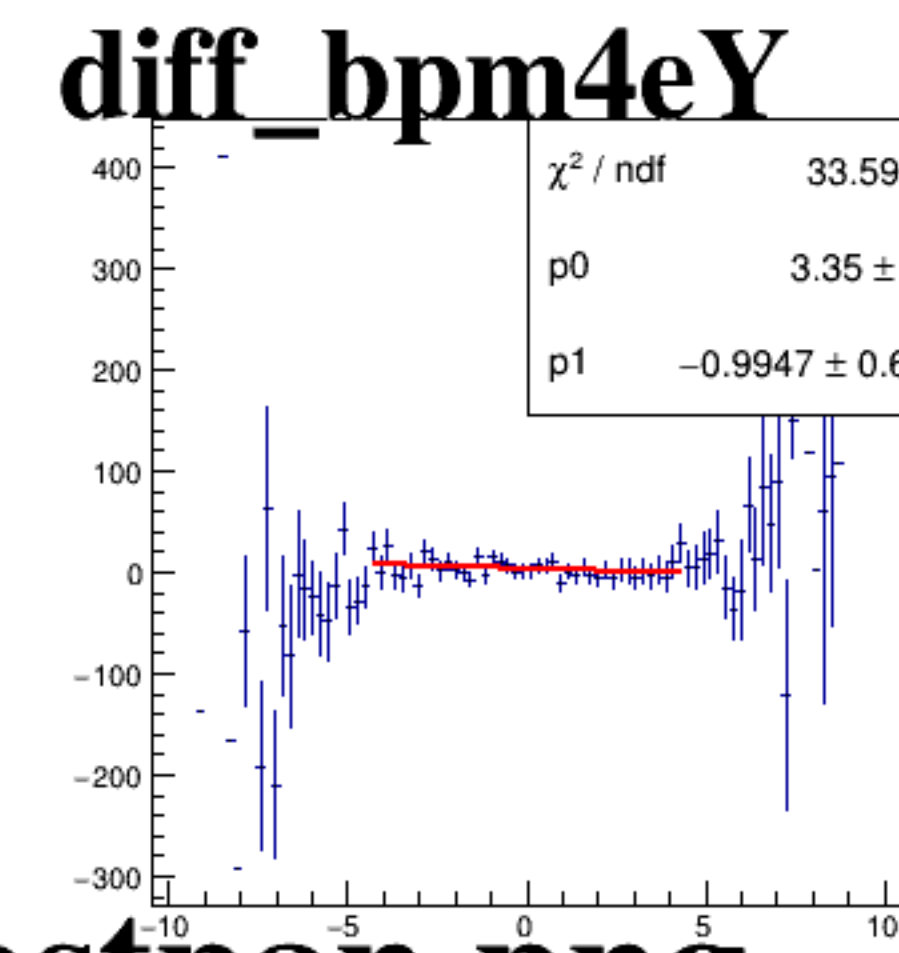
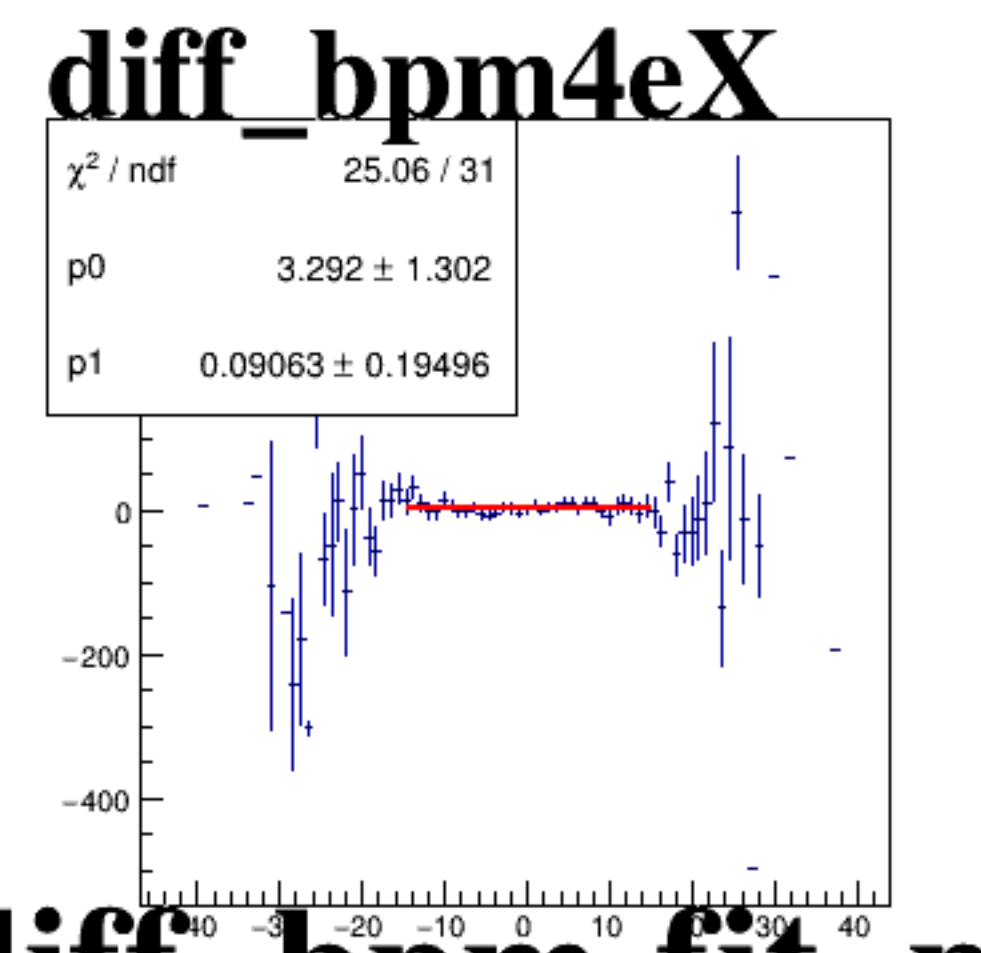
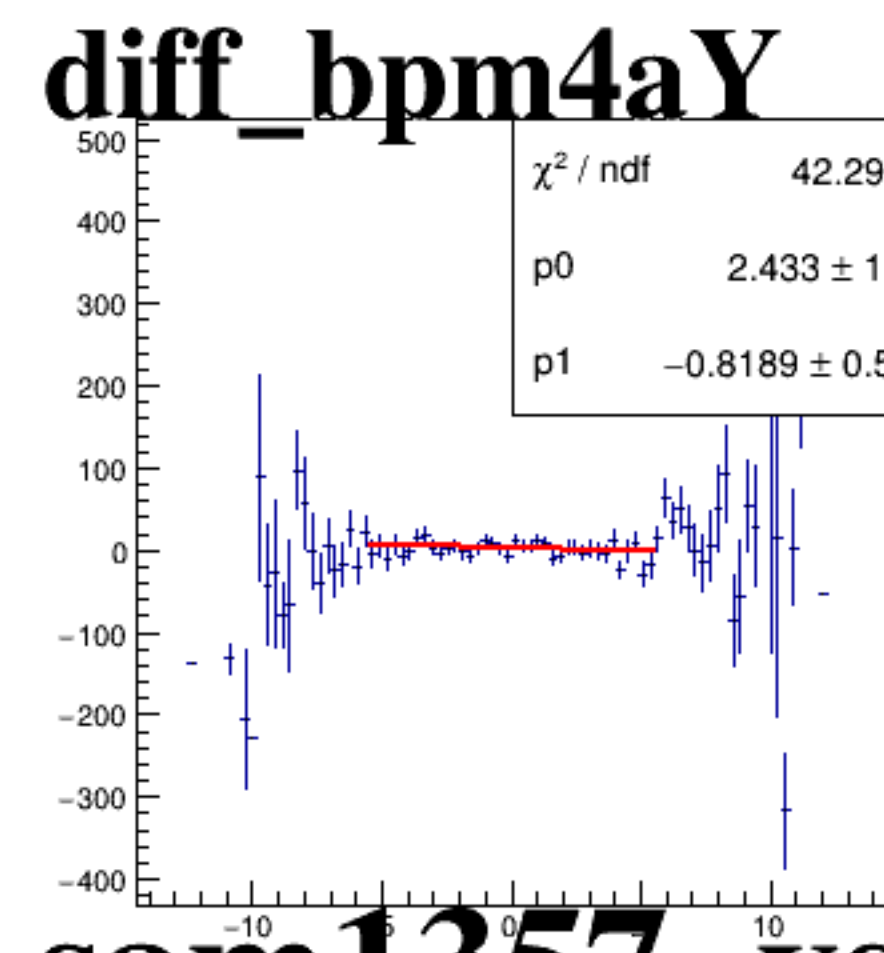
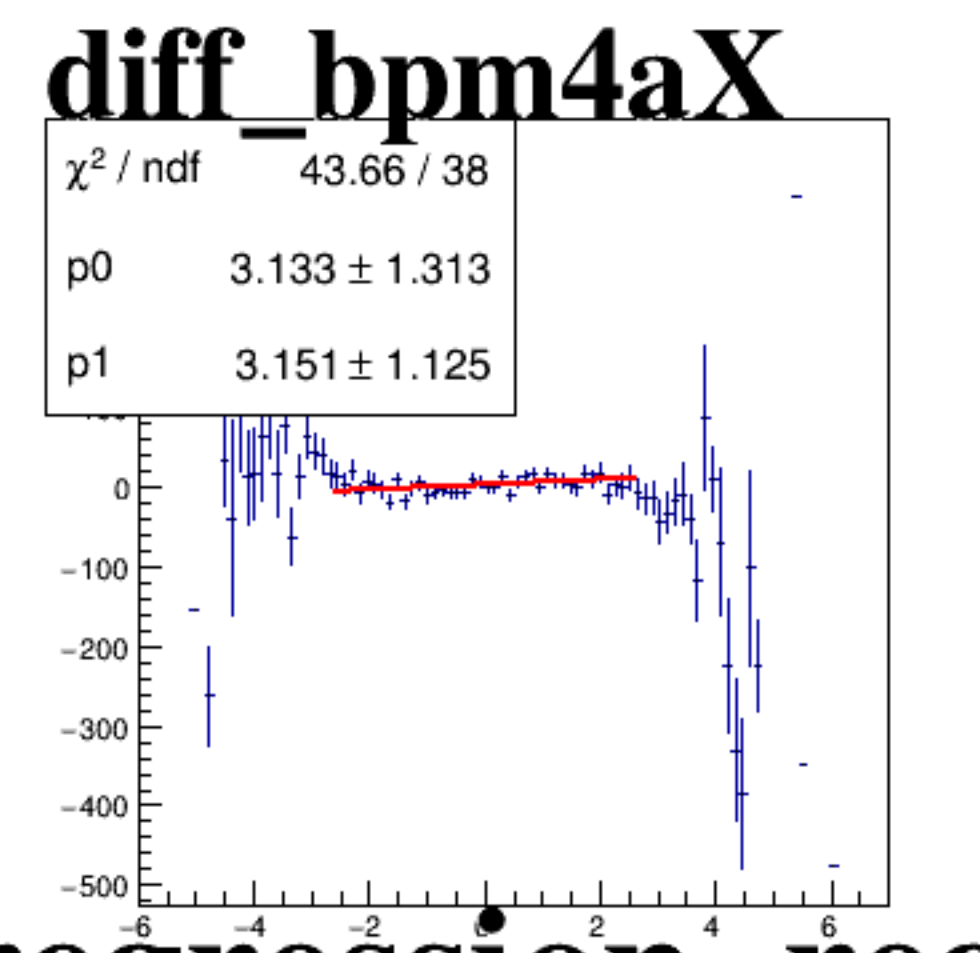
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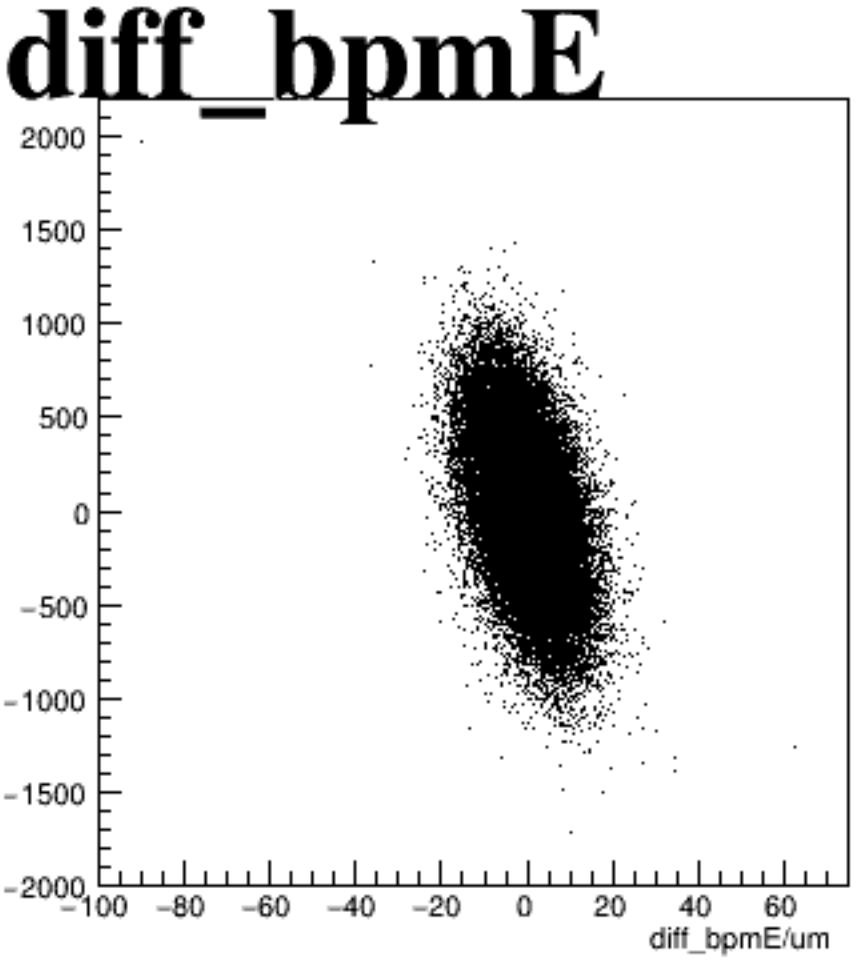
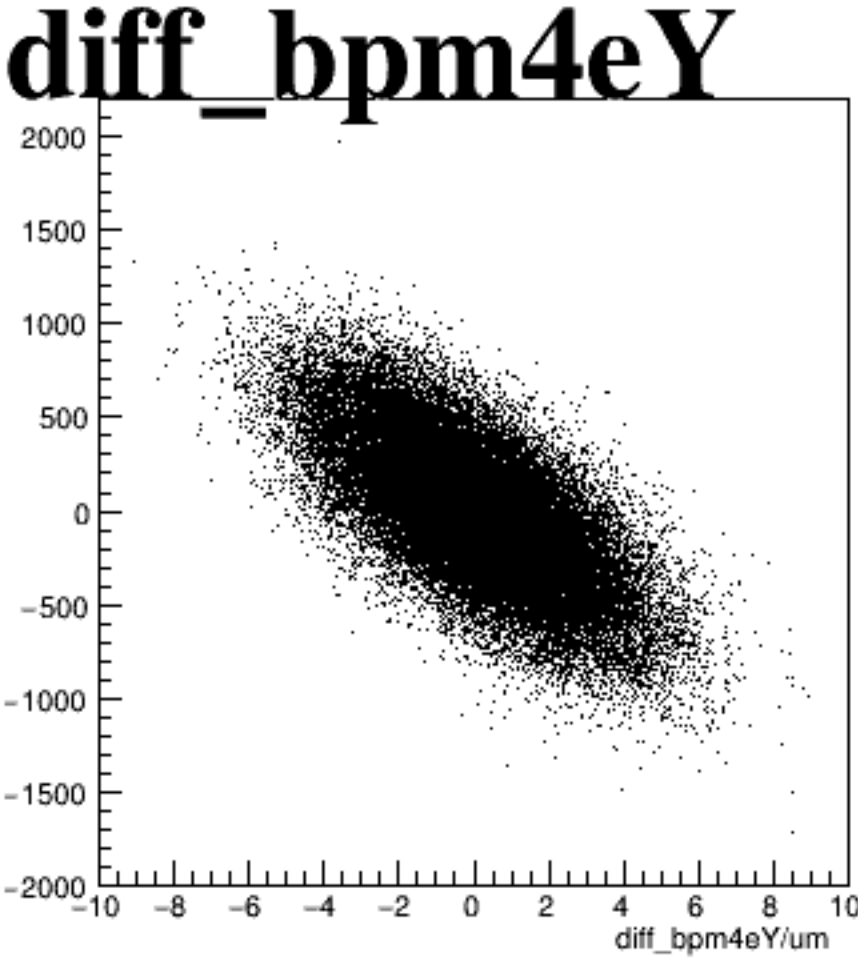
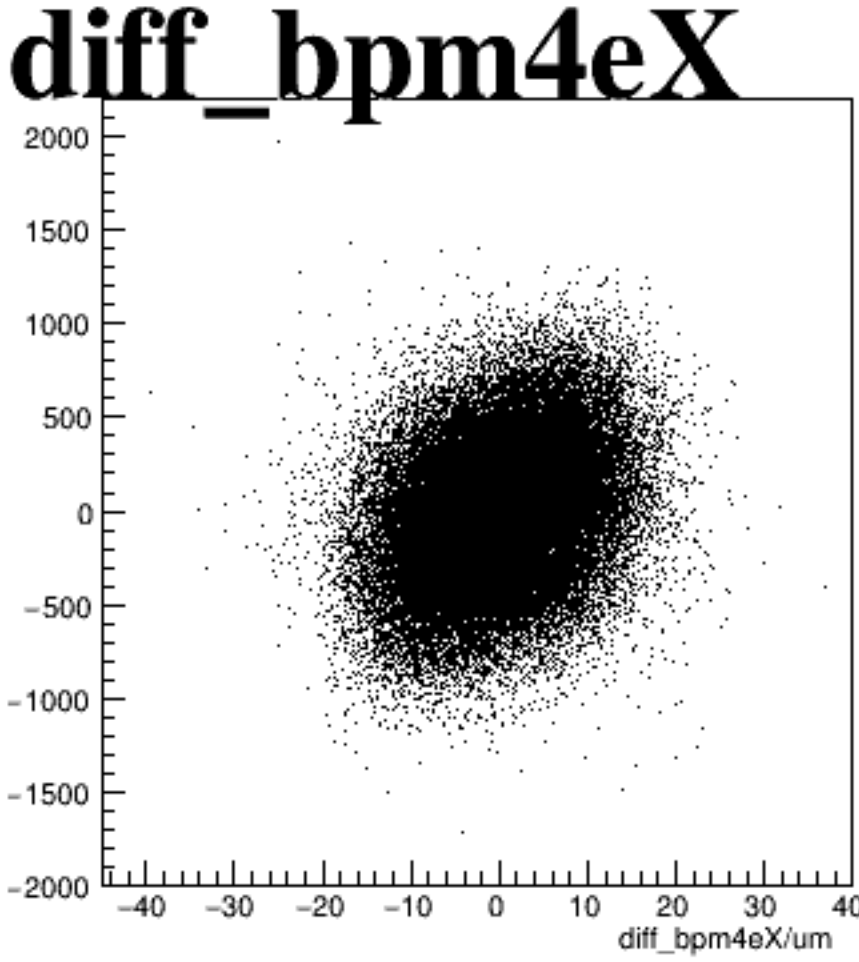
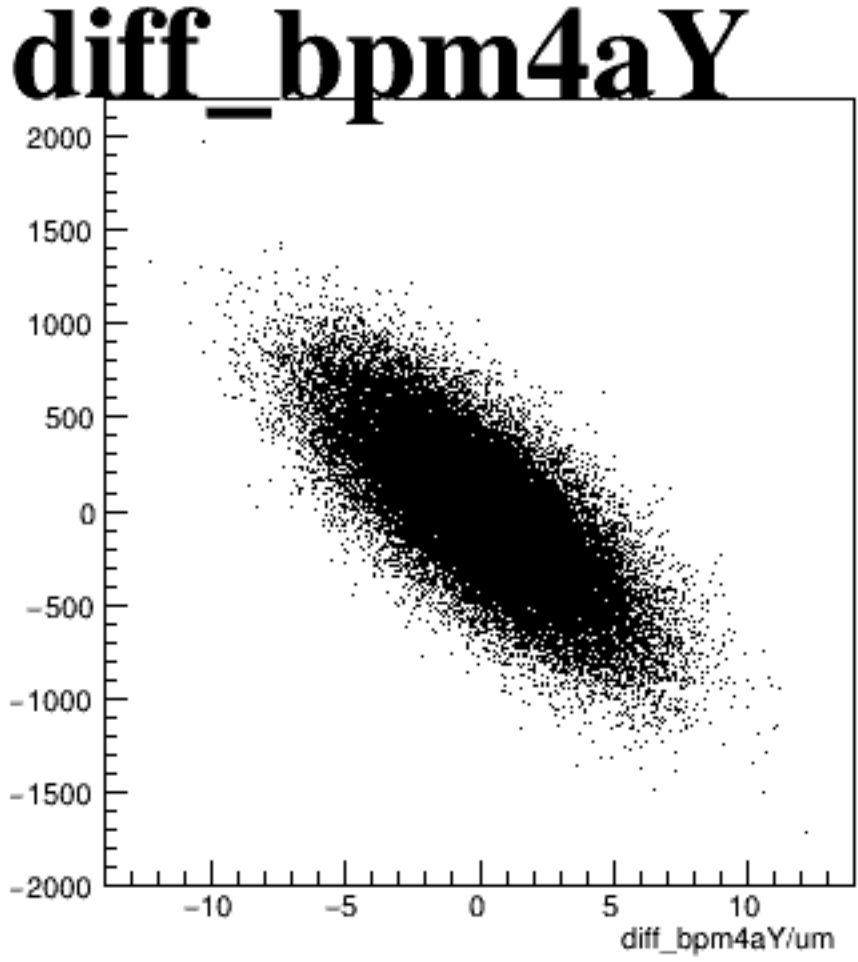
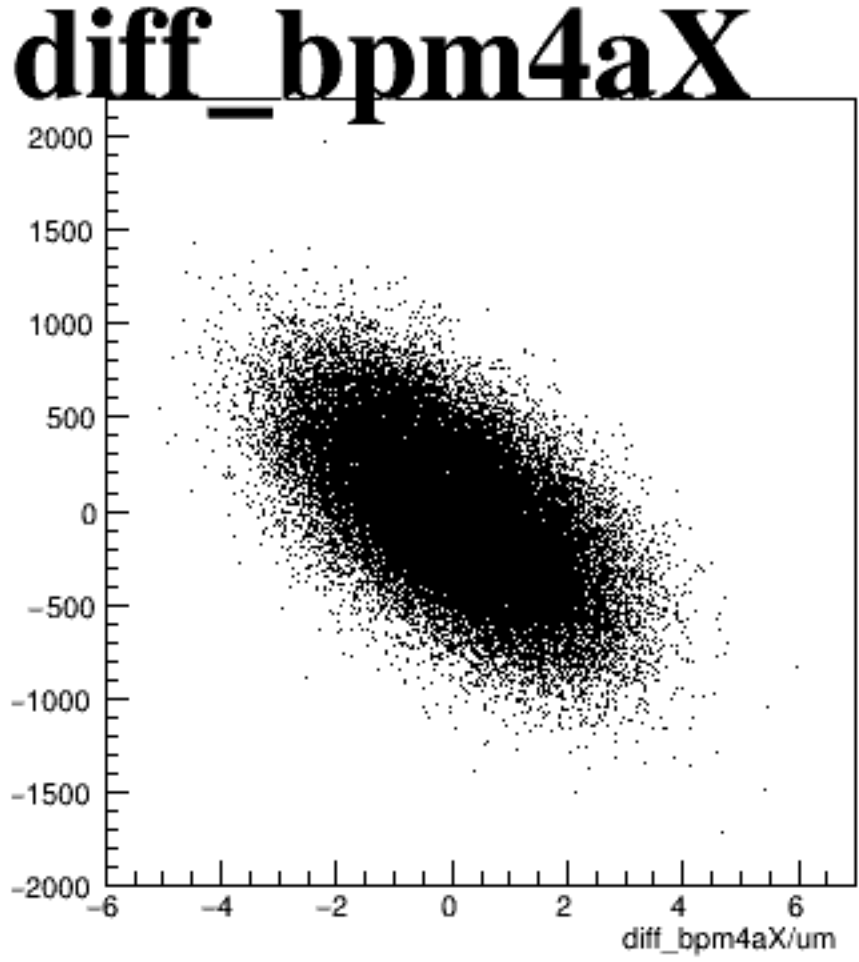
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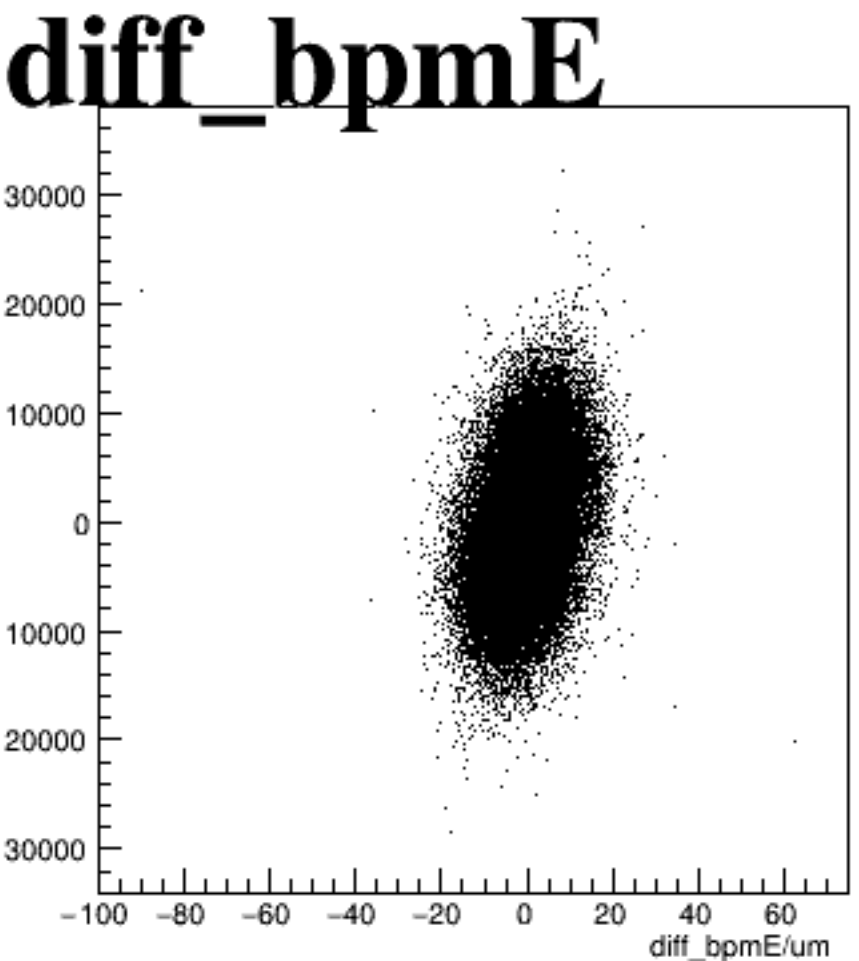
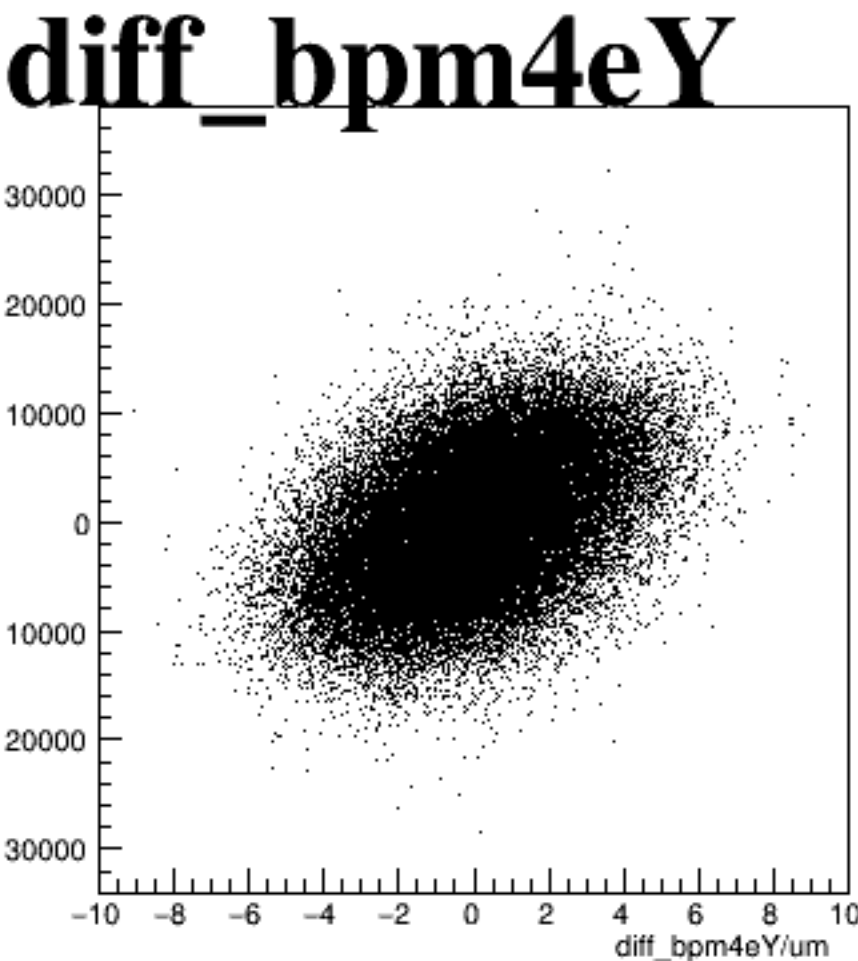
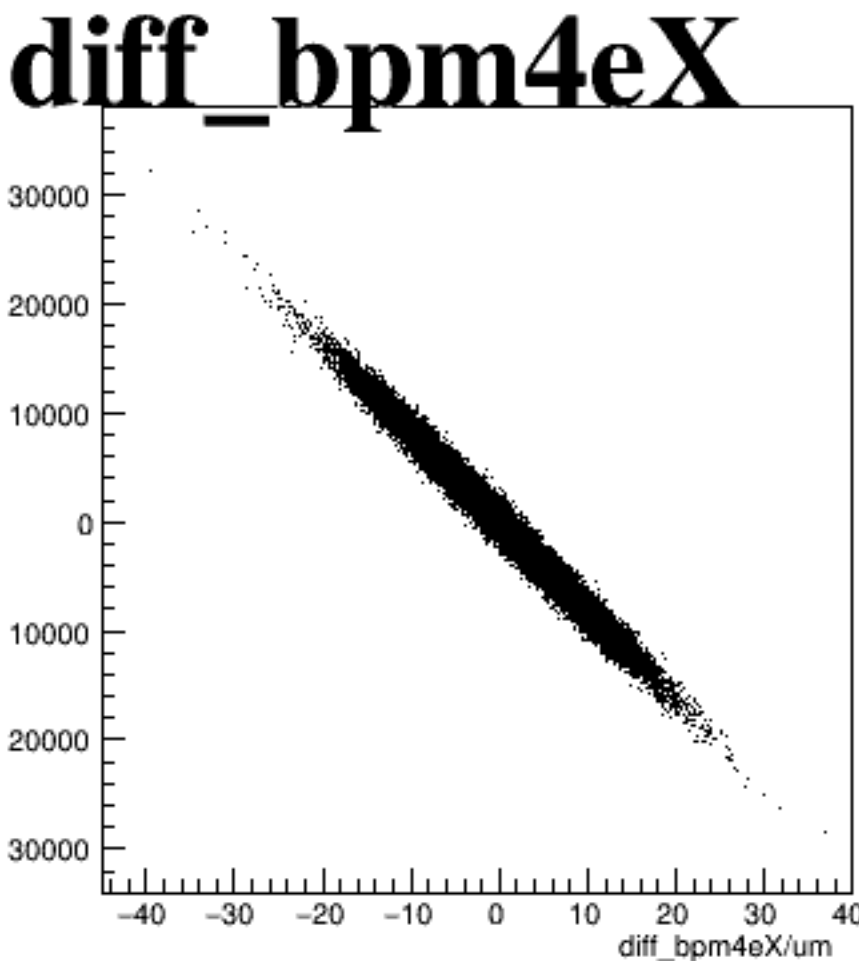
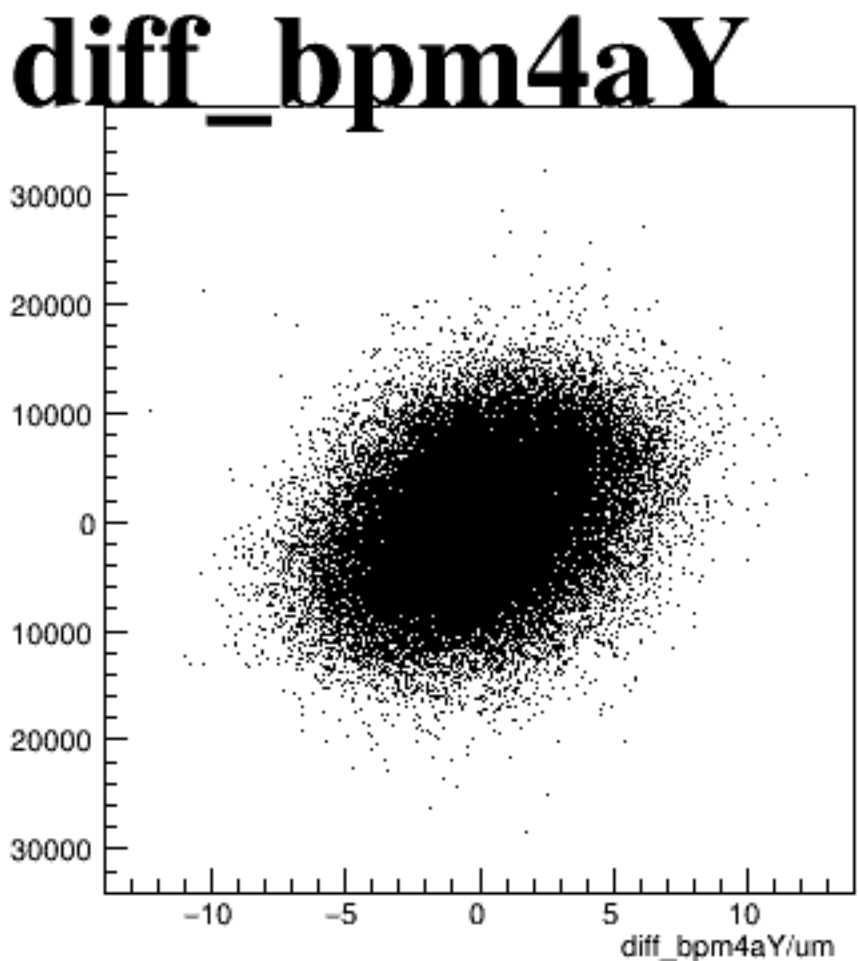
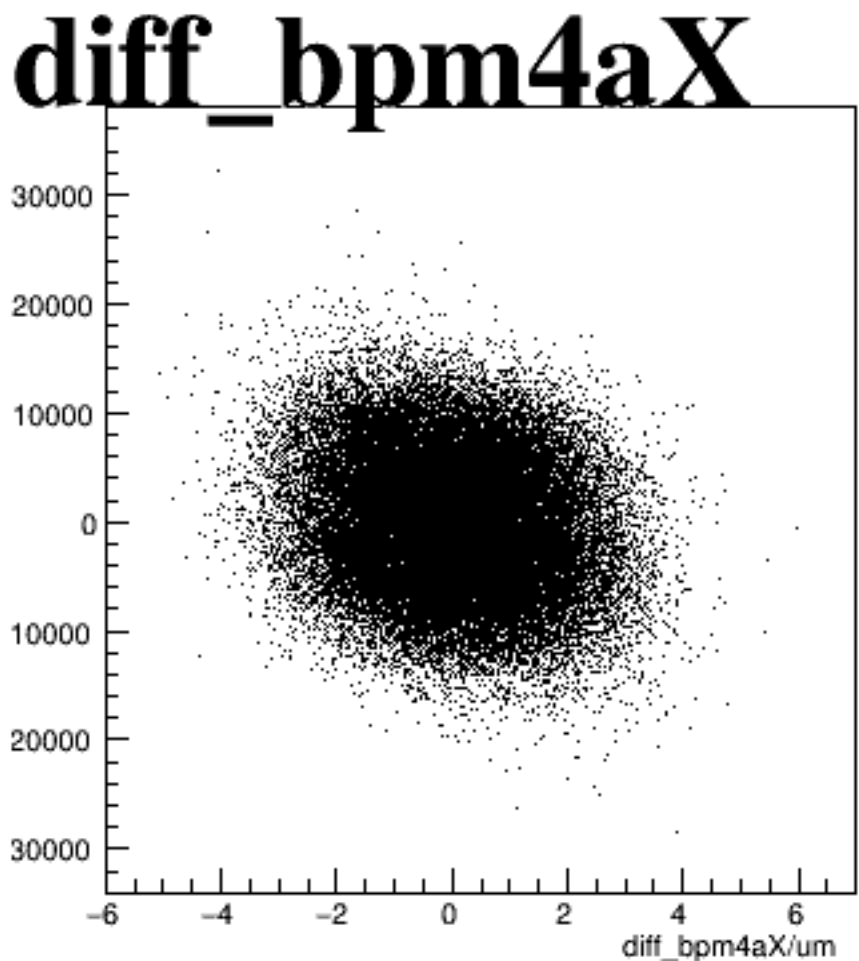
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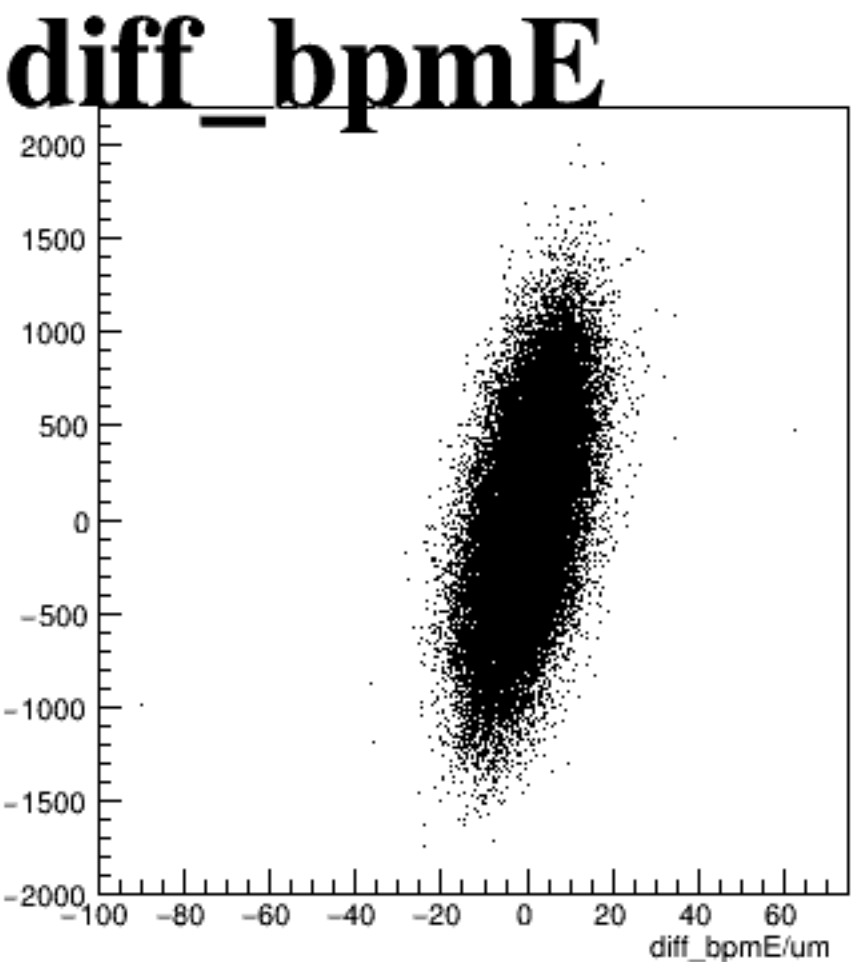
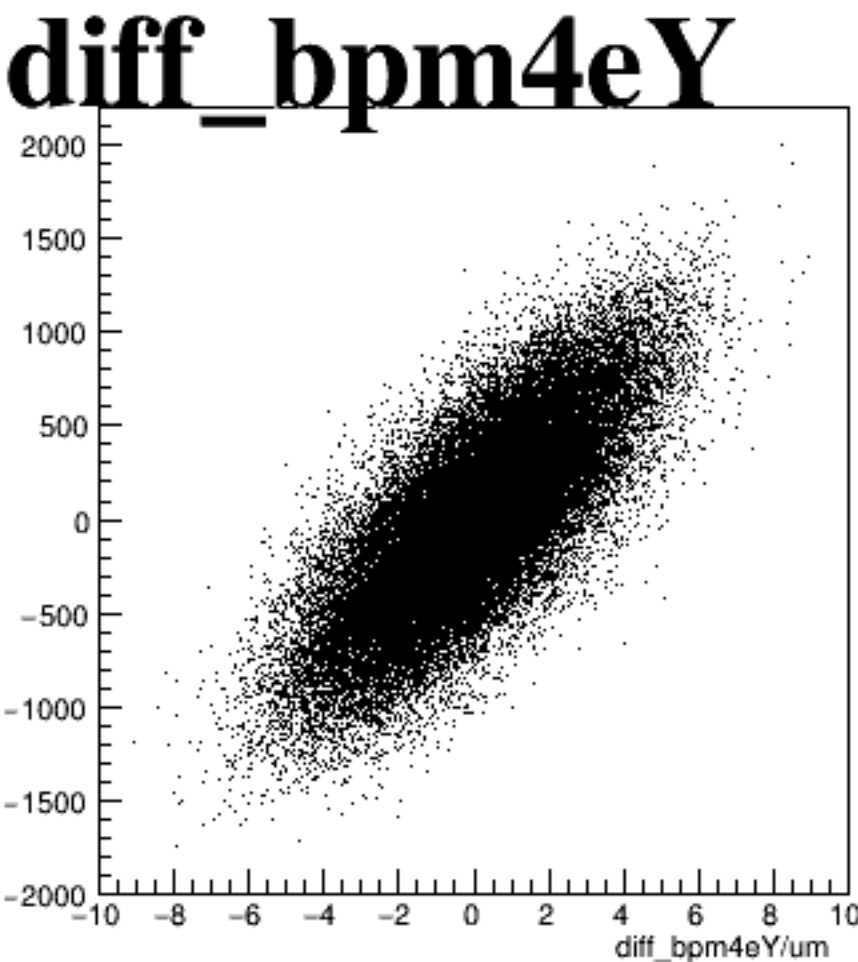
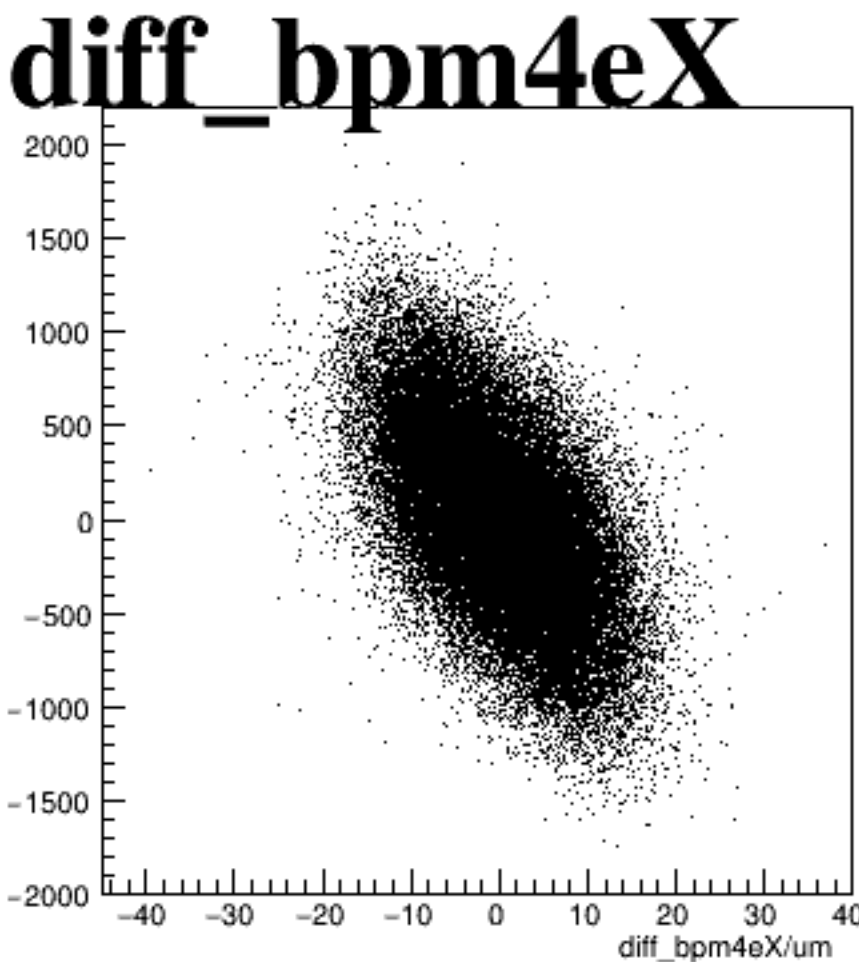
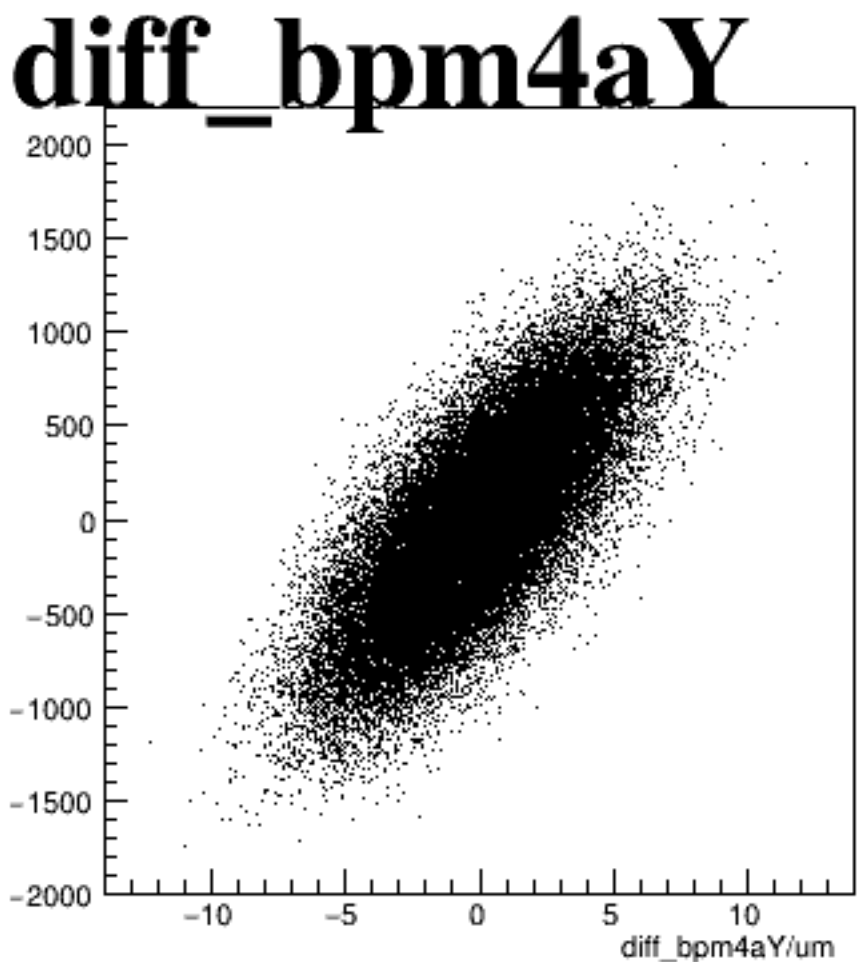
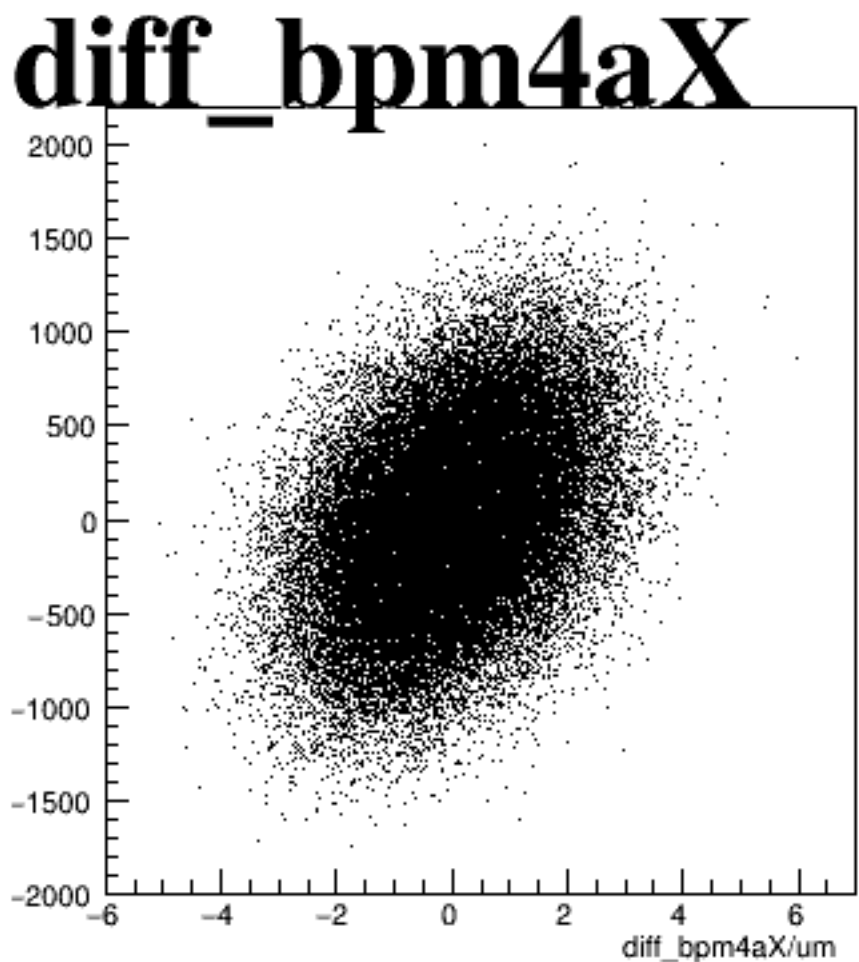
asym_sam1



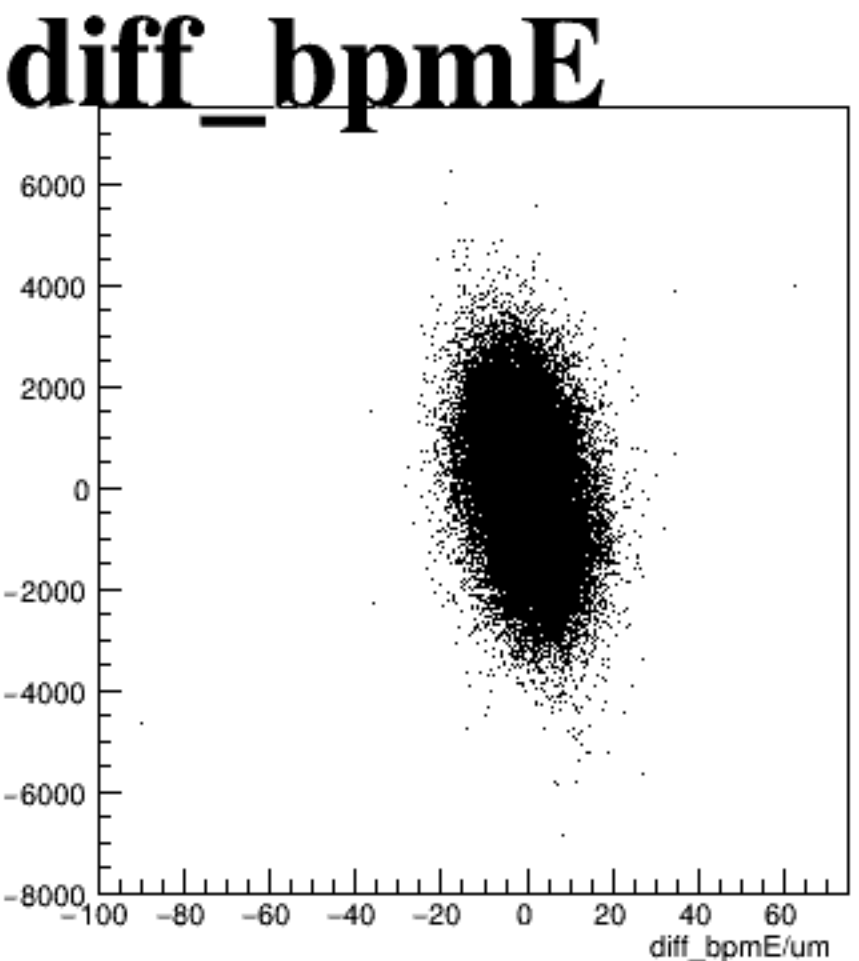
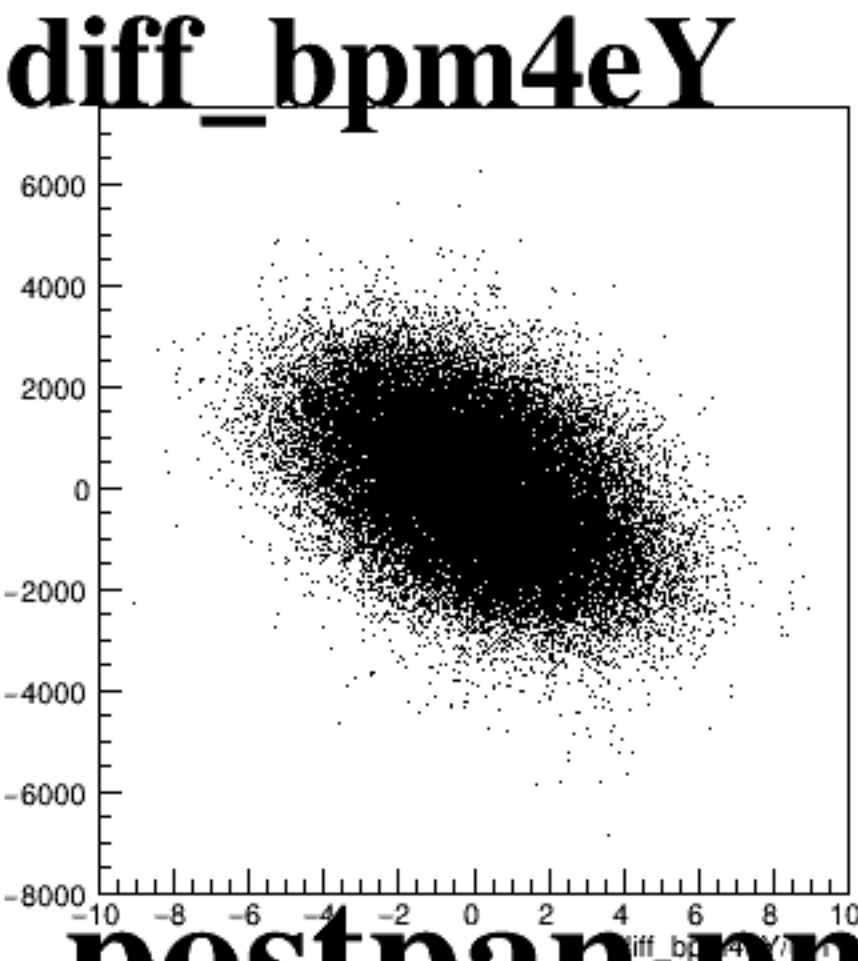
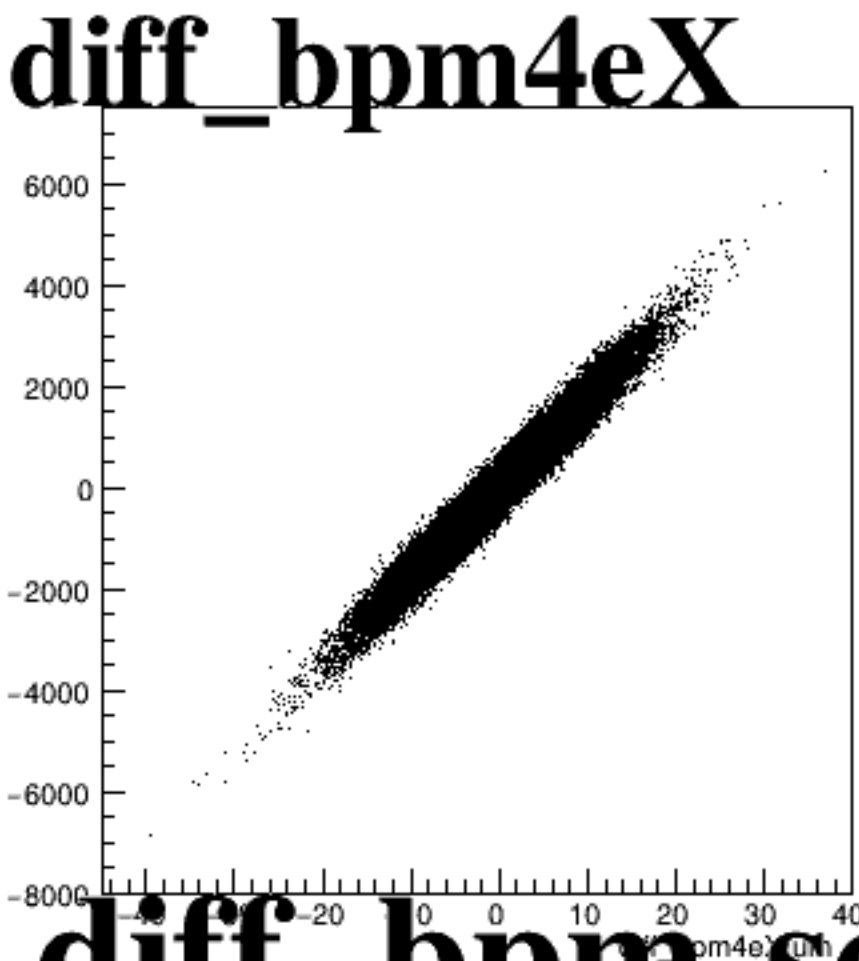
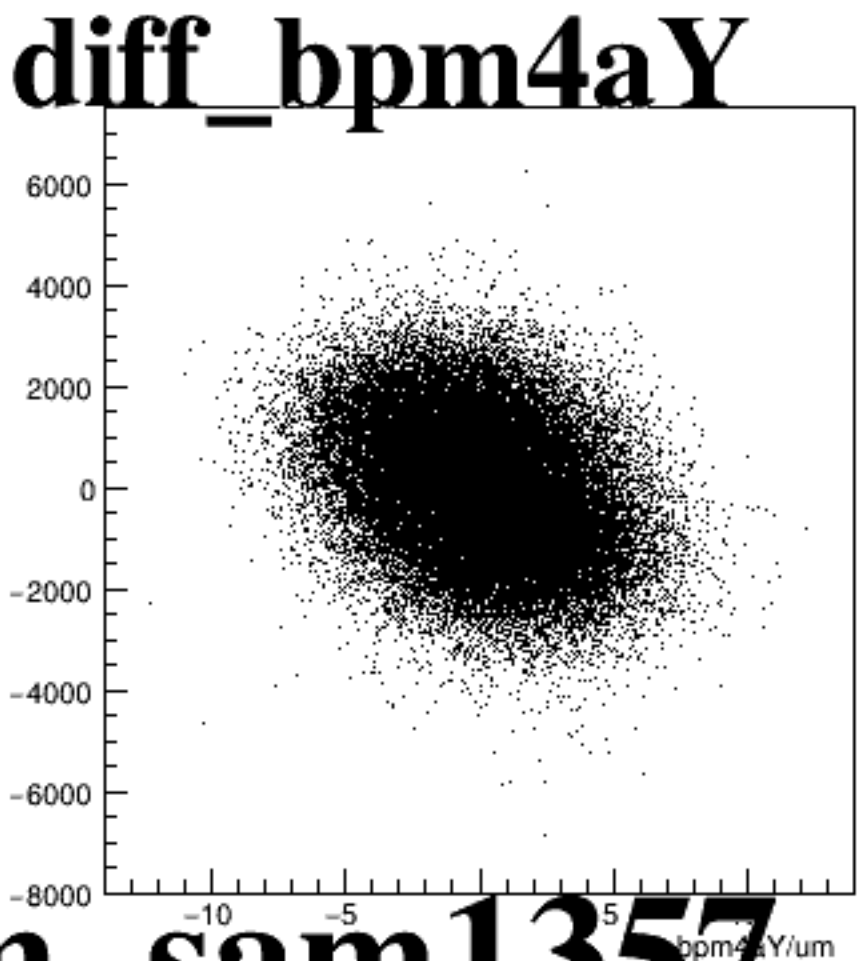
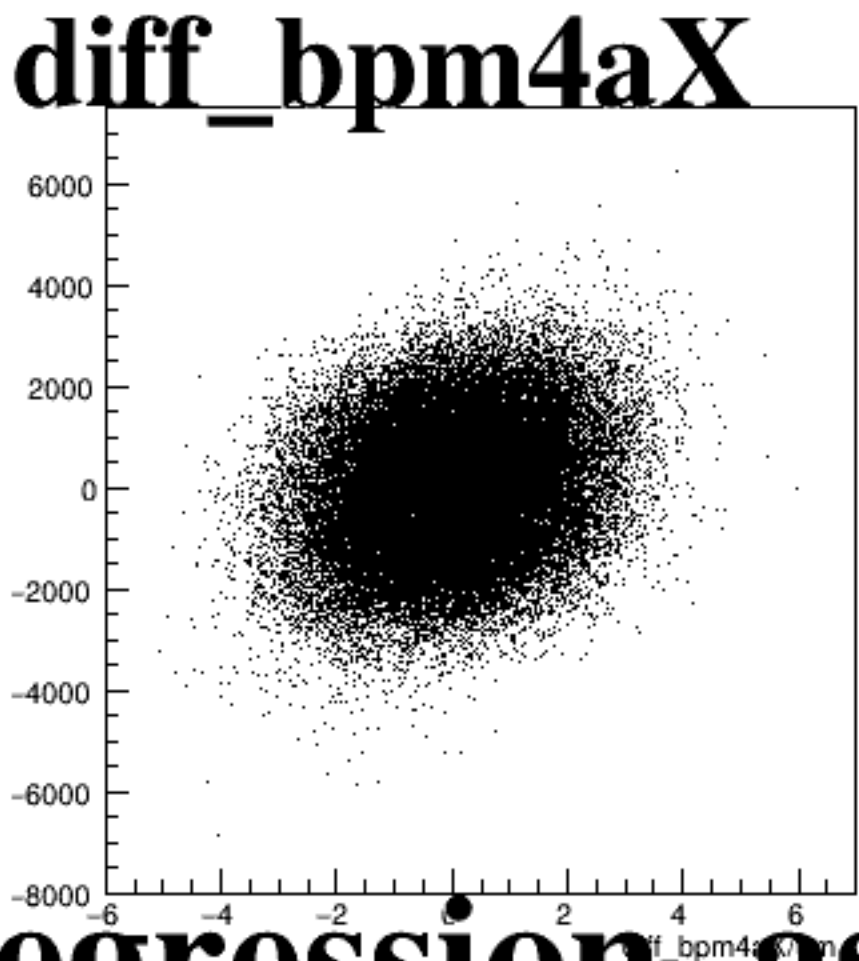
asym_sam3



asym_sam5



asym_sam7



The figure displays five scatter plots, each representing the difference in BPM (diff_bpm) for a specific parameter. The plots are arranged horizontally. Each plot has a y-axis labeled 'diff_bpm' and an x-axis labeled 'diff_bpm' (with units in μm for the first four plots). The data points are densely clustered around the origin (0,0), indicating a high level of agreement between the two methods being compared.

- diff_bpm4aX:** The x-axis ranges from -6 to 6 μm , and the y-axis ranges from -1000 to 1000.
- diff_bpm4aY:** The x-axis ranges from -10 to 10 μm , and the y-axis ranges from -1000 to 1000.
- diff_bpm4eX:** The x-axis ranges from -40 to 40 μm , and the y-axis ranges from -1000 to 1000.
- diff_bpm4eY:** The x-axis ranges from -10 to 10 μm , and the y-axis ranges from -1000 to 1000.
- diff_bpmE:** The x-axis ranges from -100 to 100 μm , and the y-axis ranges from -1000 to 1000.

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

- diff_bpm4aX**: The x-axis ranges from -6 to 6, and the y-axis ranges from -3000 to 3000. The data points form a dense, roughly circular cloud centered at (0,0).
- diff_bpm4aY**: The x-axis ranges from -10 to 10, and the y-axis ranges from -3000 to 3000. The data points form a dense, roughly circular cloud centered at (0,0).
- diff_bpm4eX**: The x-axis ranges from -40 to 40, and the y-axis ranges from -3000 to 3000. The data points form a dense, roughly circular cloud centered at (0,0).
- diff_bpm4eY**: The x-axis ranges from -10 to 10, and the y-axis ranges from -3000 to 3000. The data points form a dense, roughly circular cloud centered at (0,0).
- diff_bpmE**: The x-axis ranges from -100 to 60, and the y-axis ranges from -3000 to 3000. The data points form a dense, vertically elongated cloud centered at (0,0).

All plots show a high density of points, indicating a large number of measurements. The distributions are centered around zero, suggesting that the differences between the two sets of measurements are small, which is a sign of high precision and consistency in the BPM system.

run4911_000_regression_reg_sam1357_vs_diff_bpm-scat_postpan.png