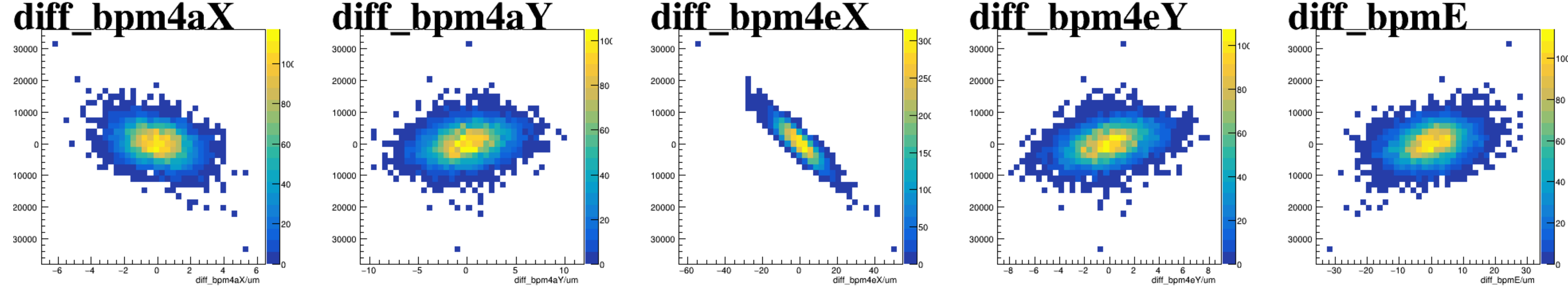
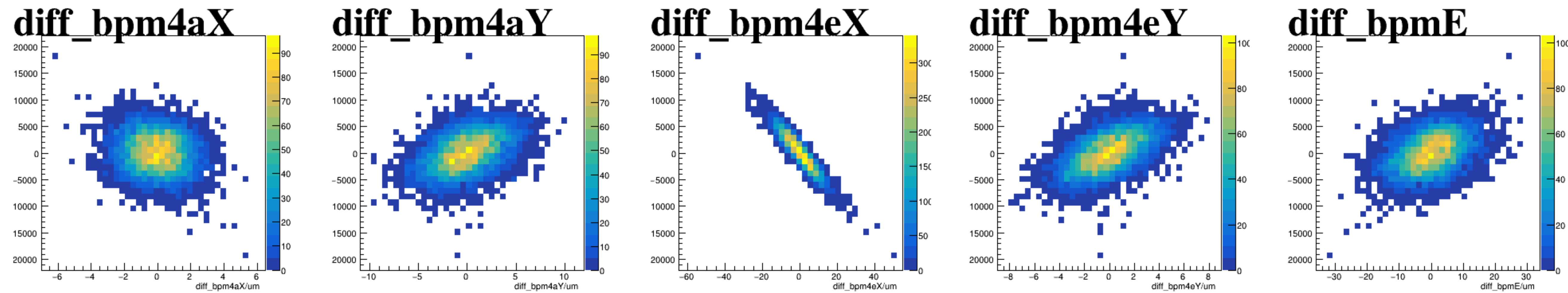


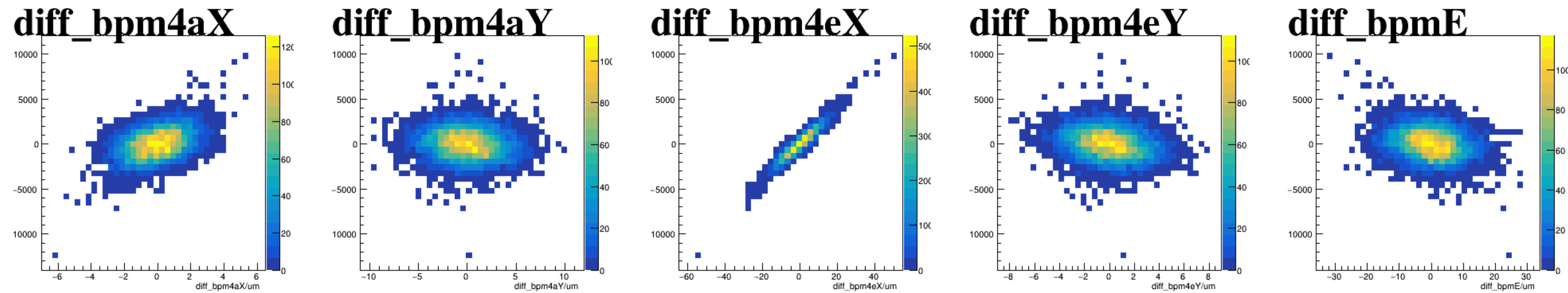
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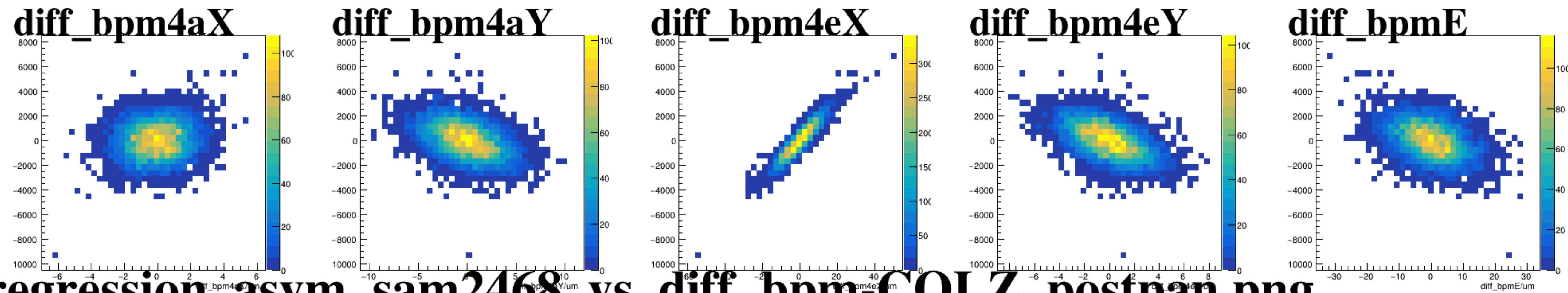
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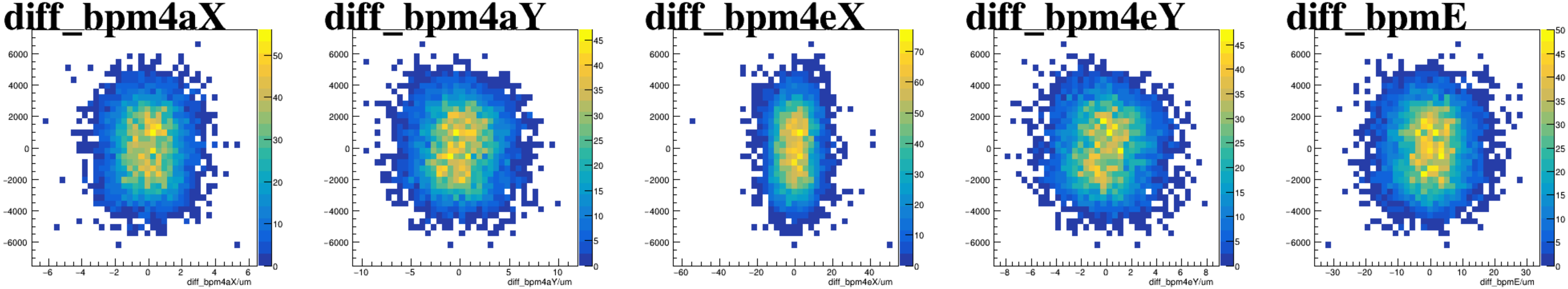
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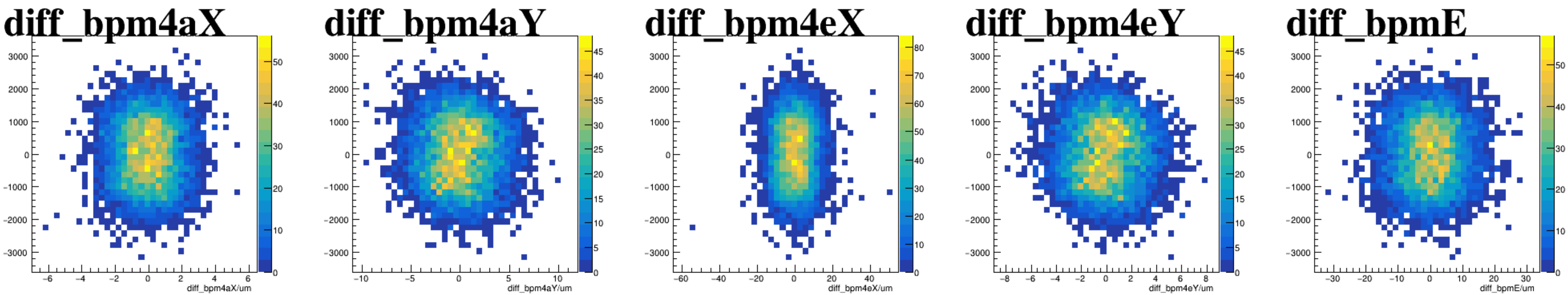
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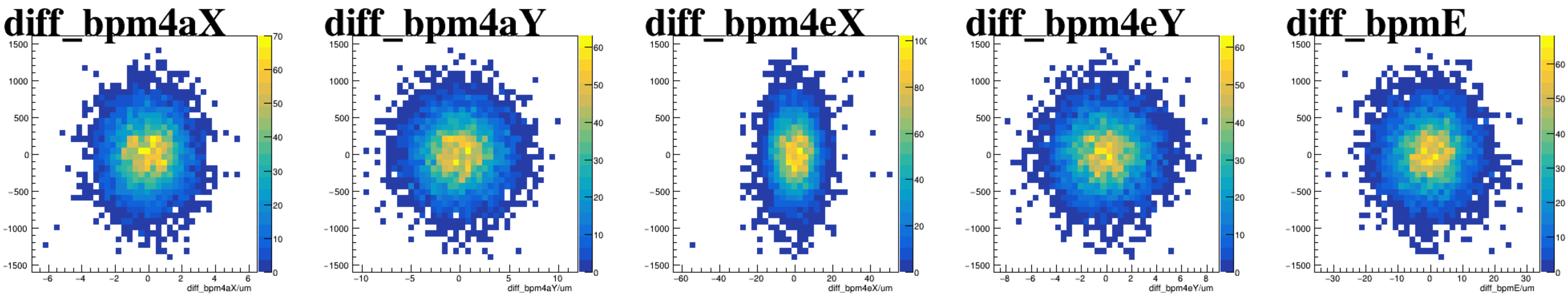
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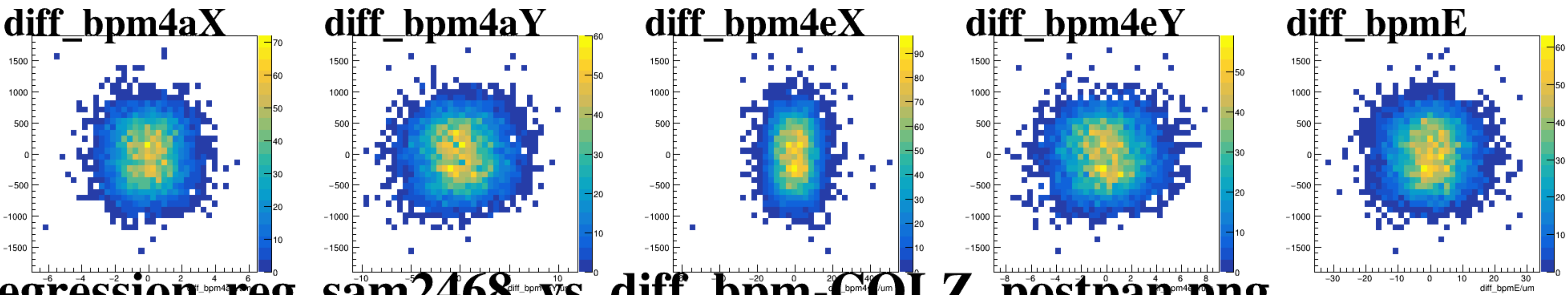
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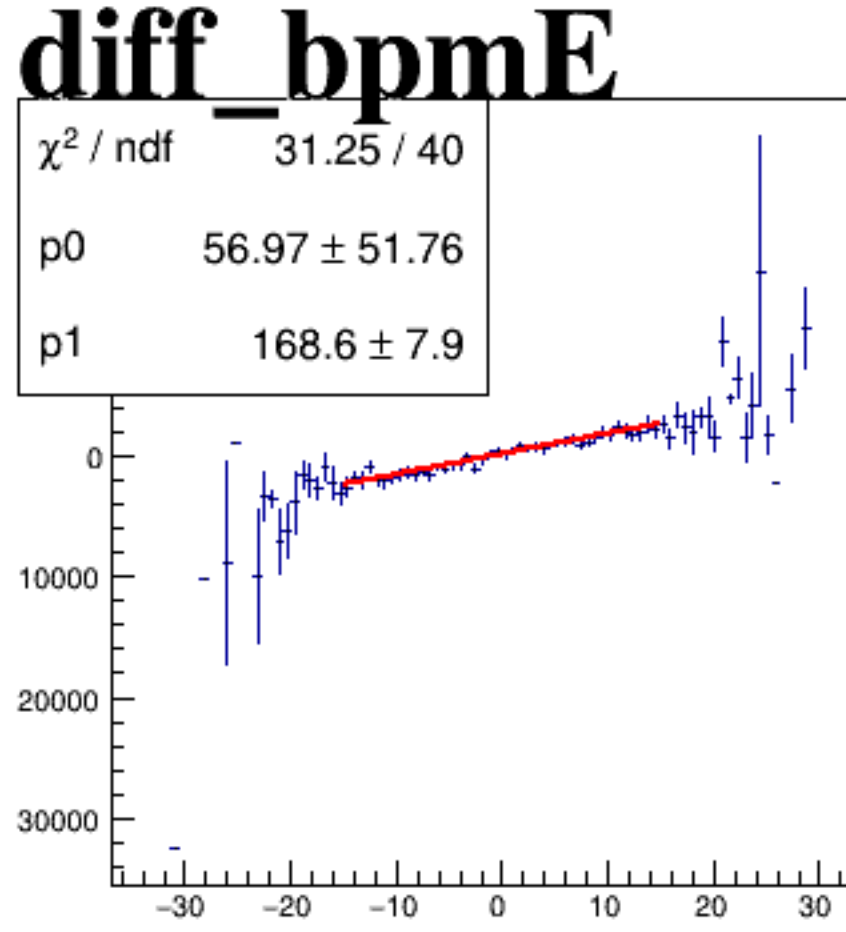
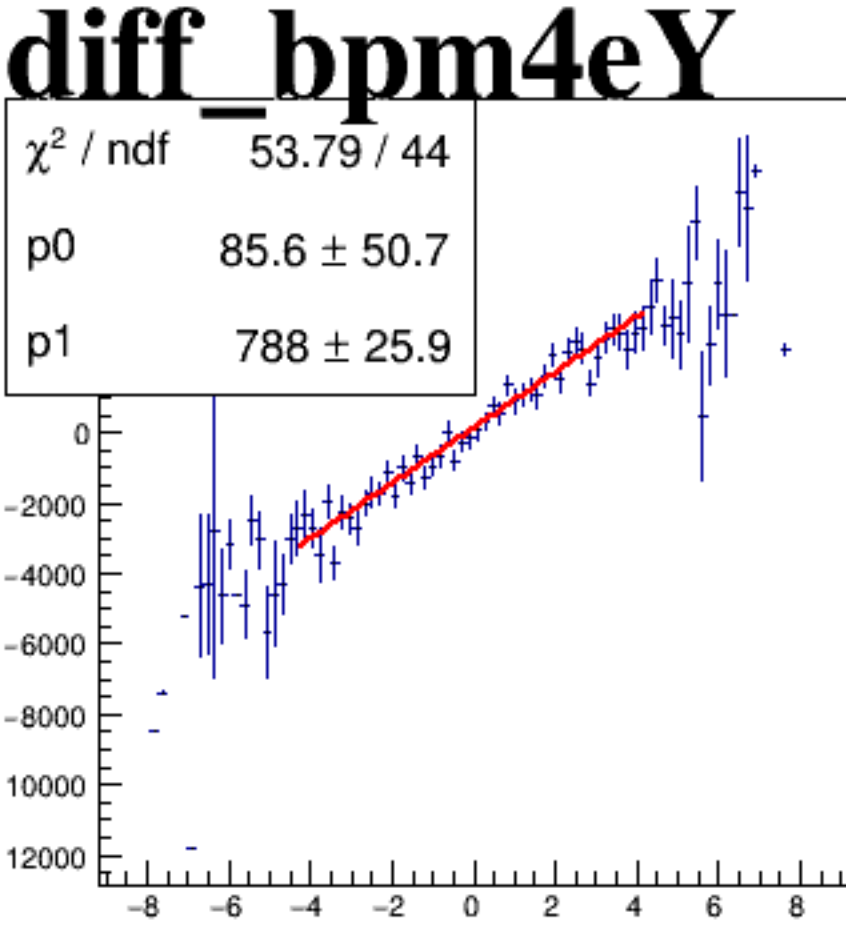
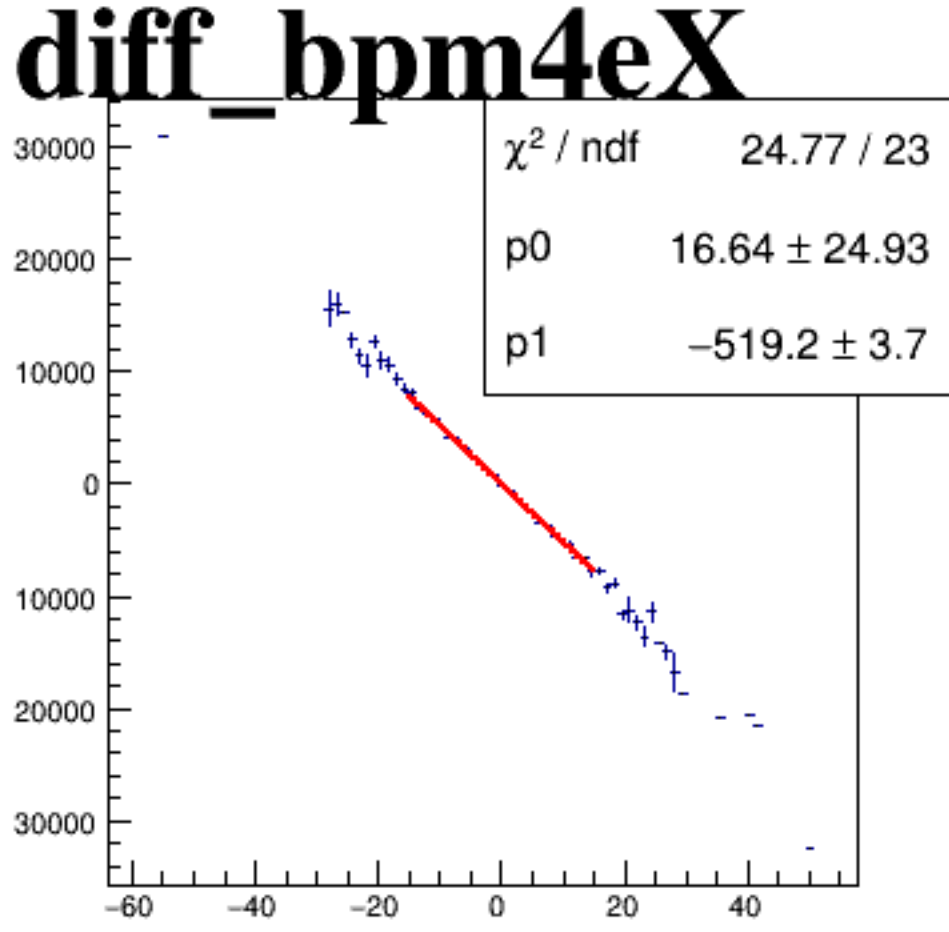
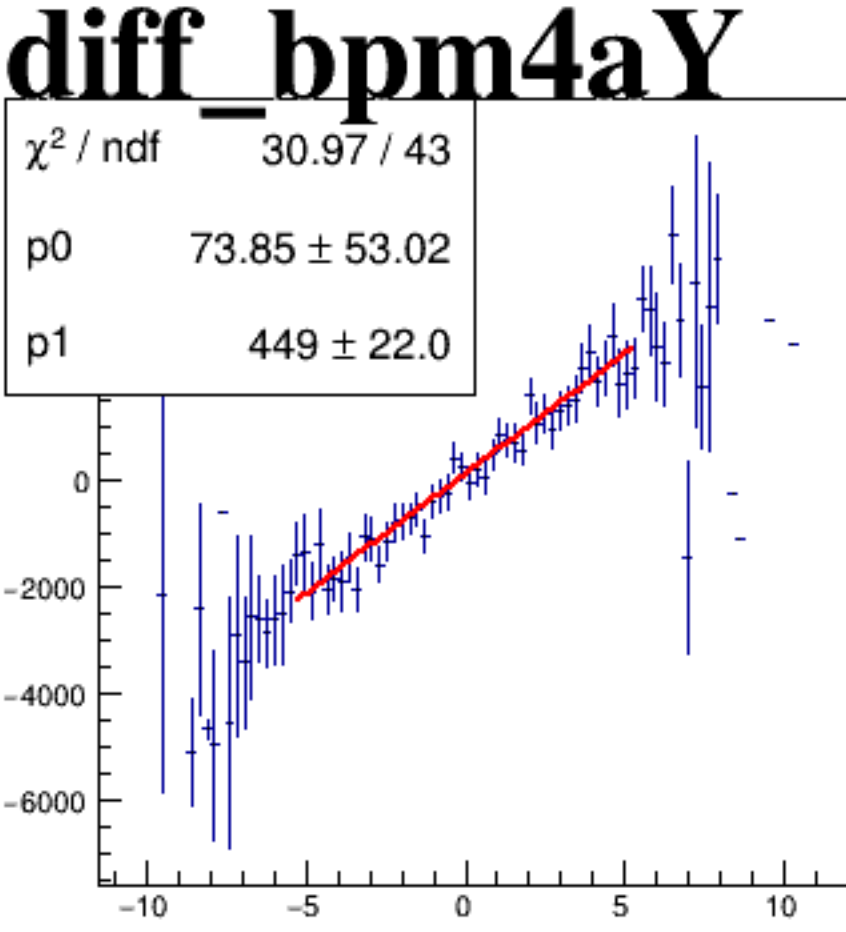
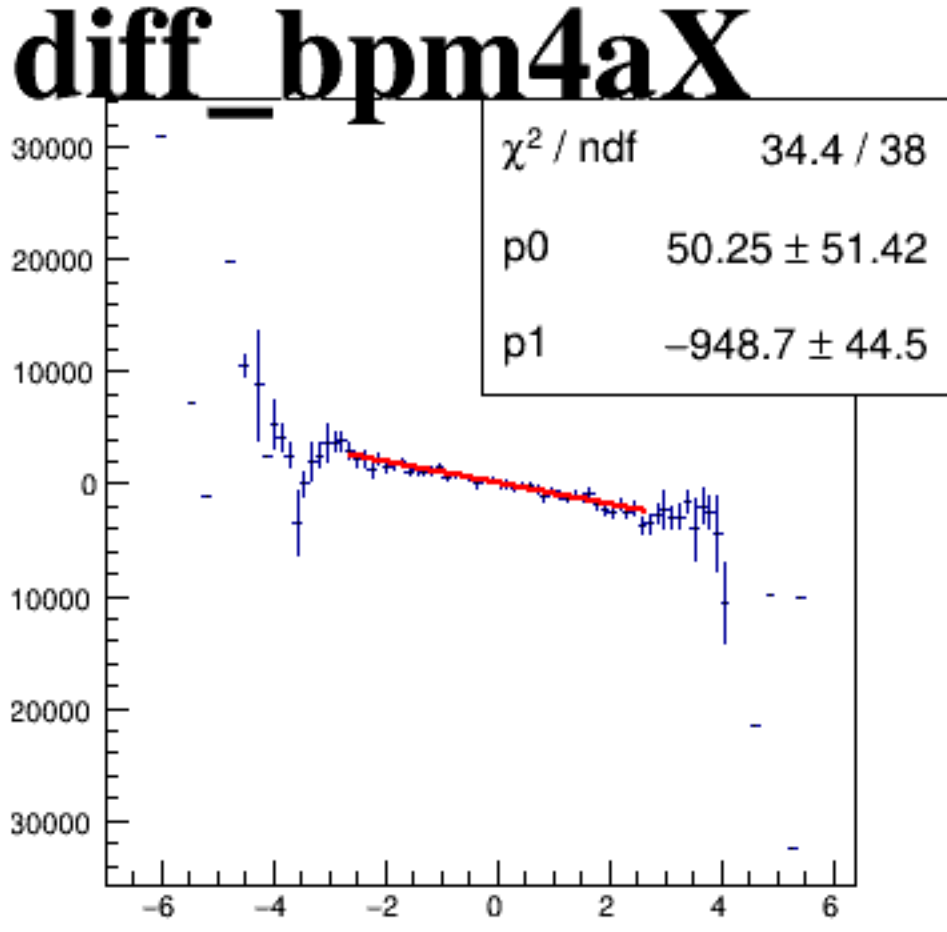
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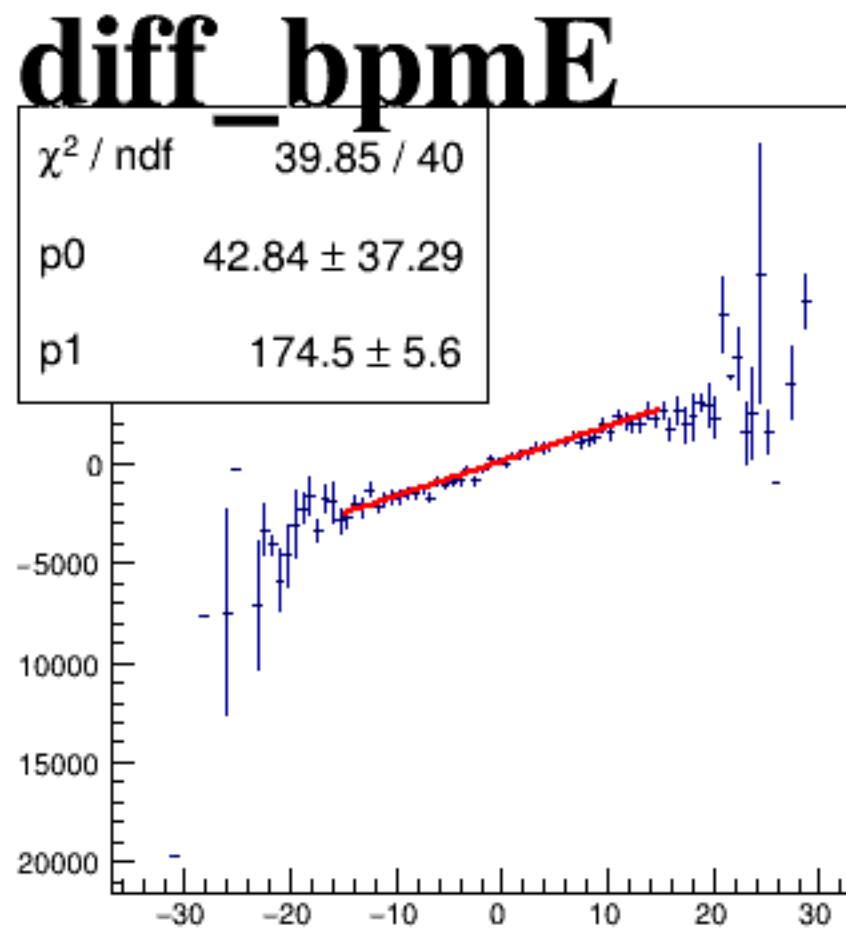
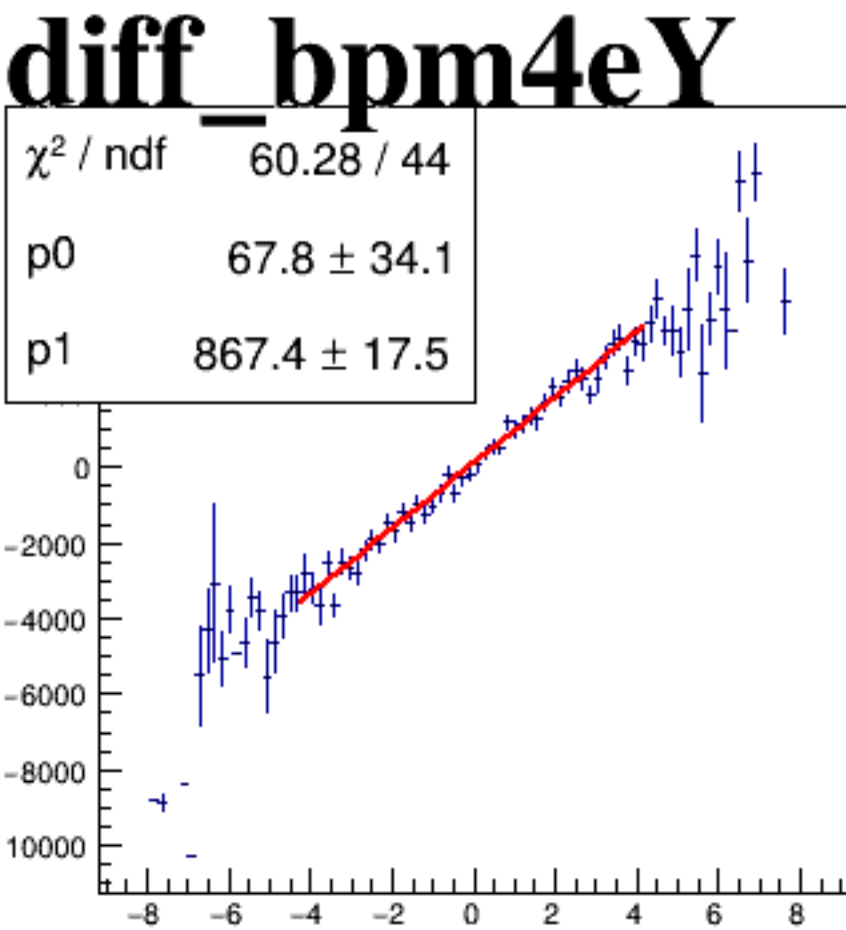
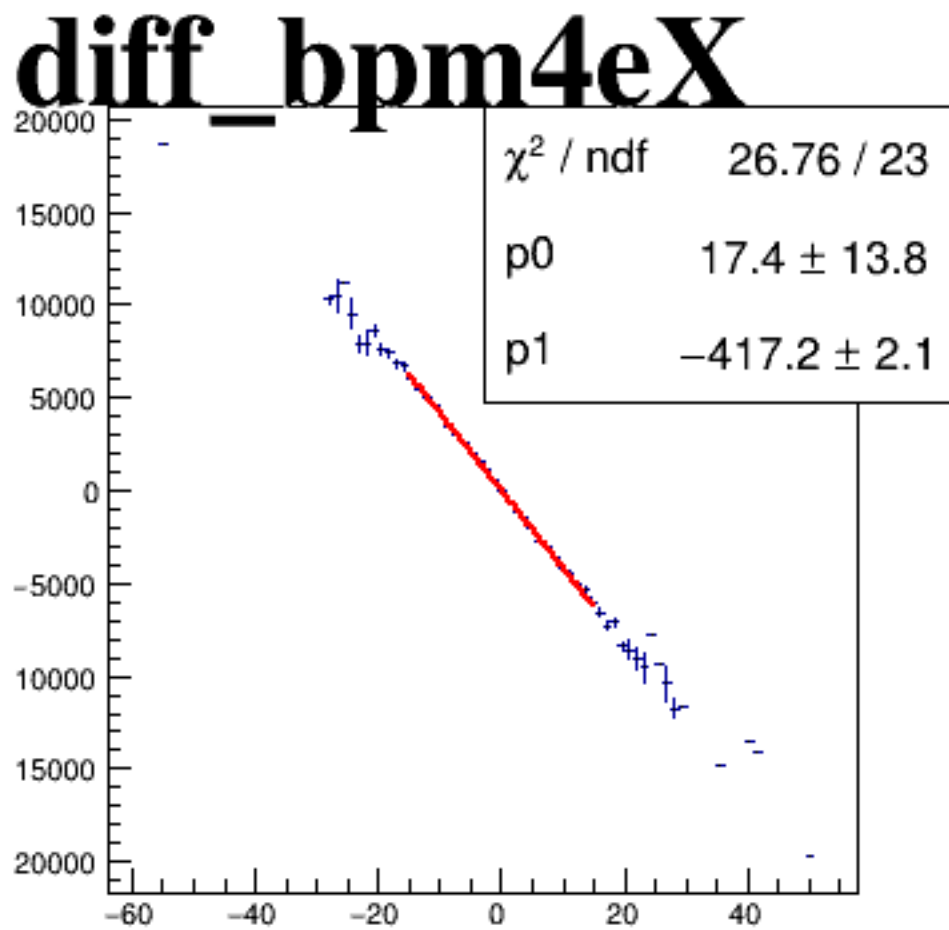
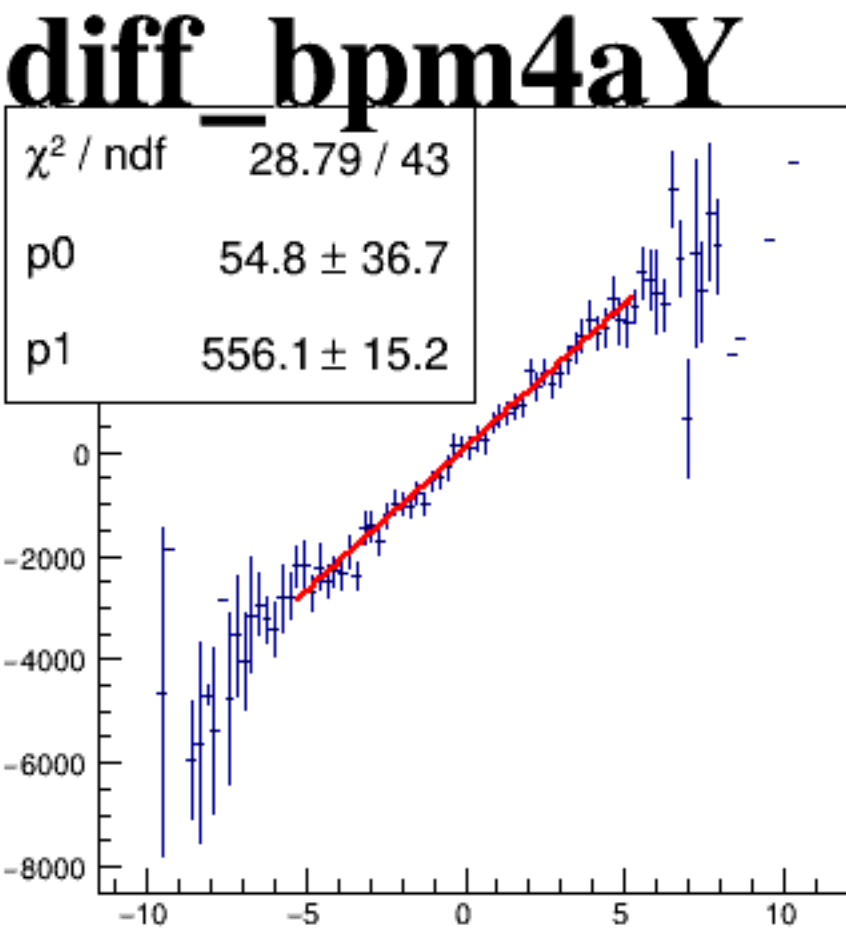
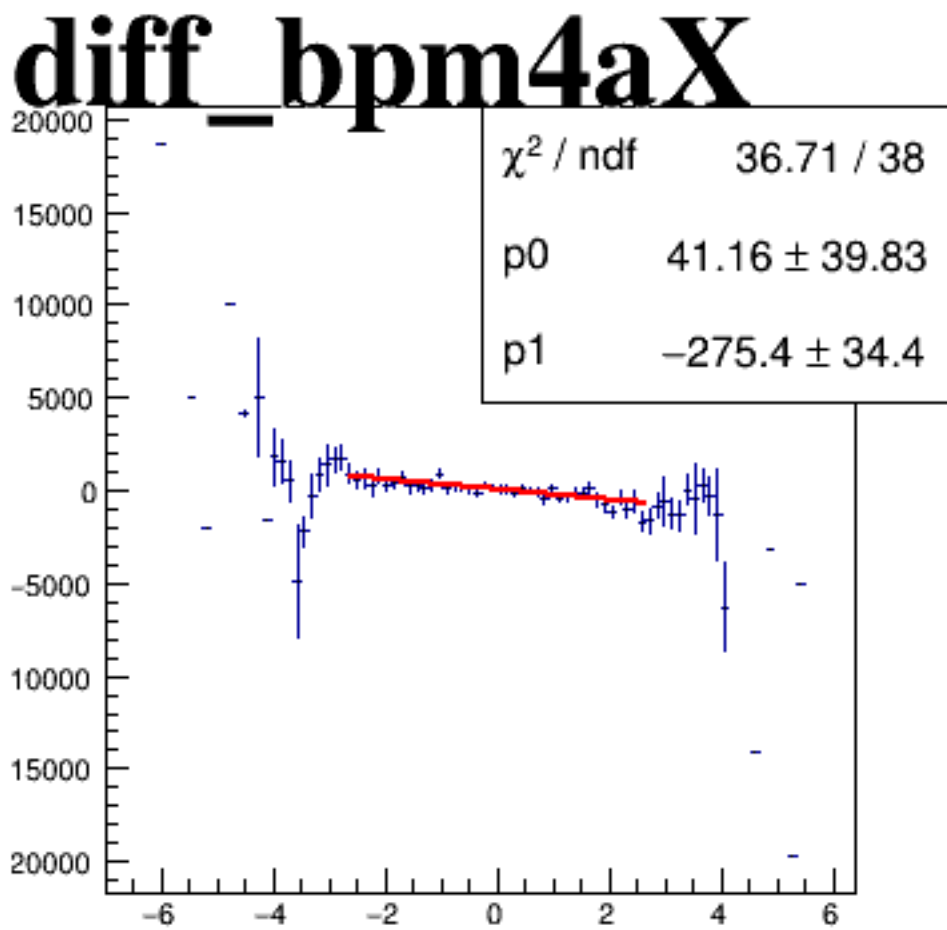
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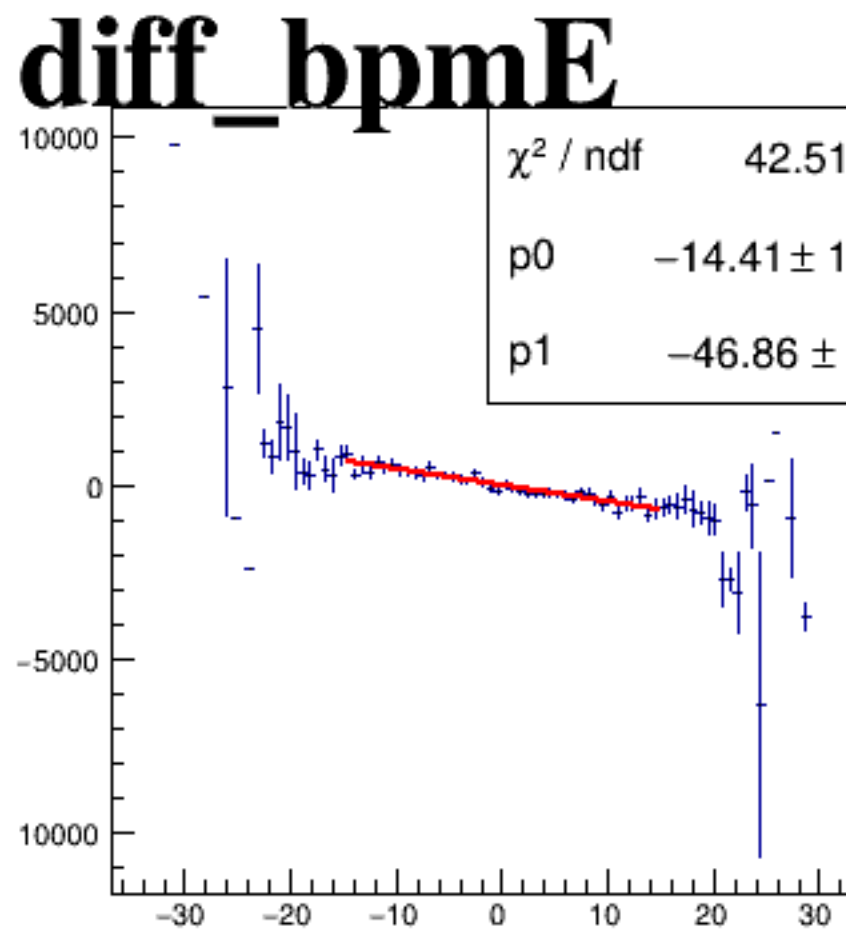
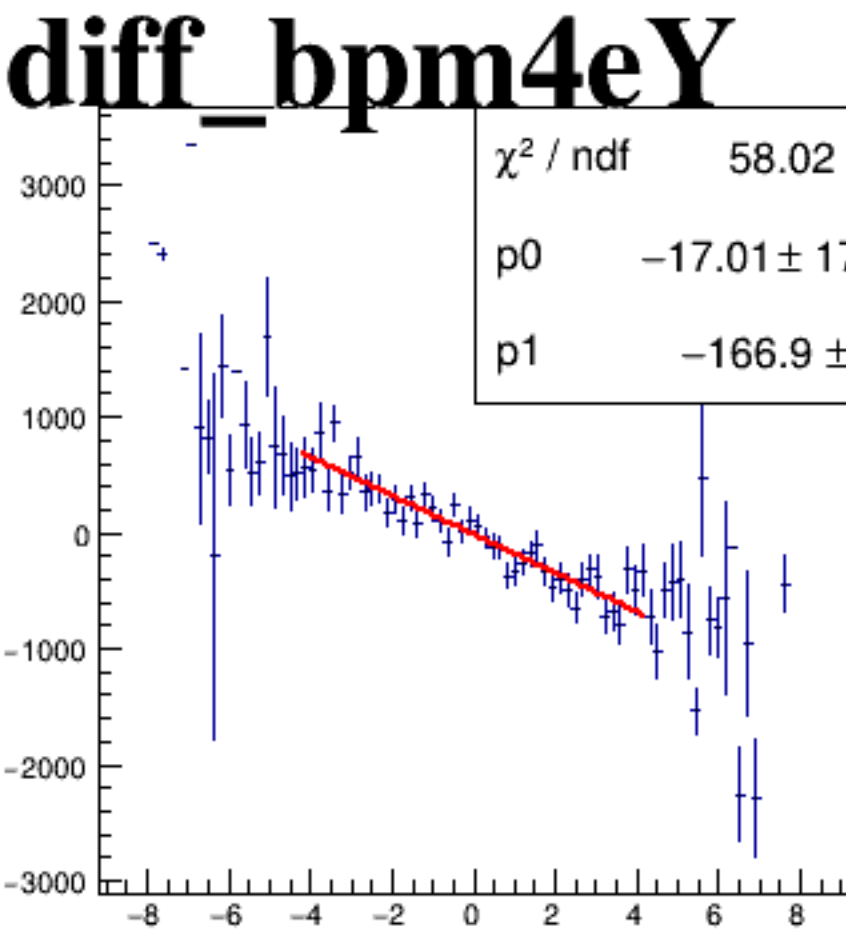
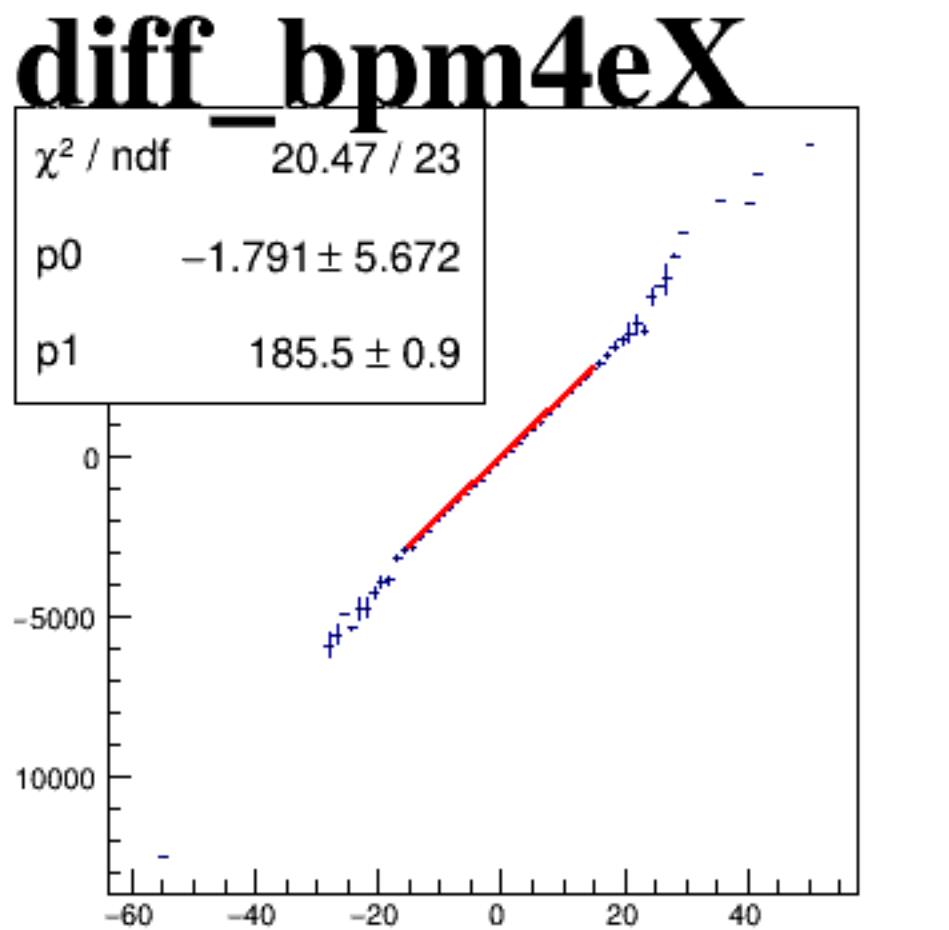
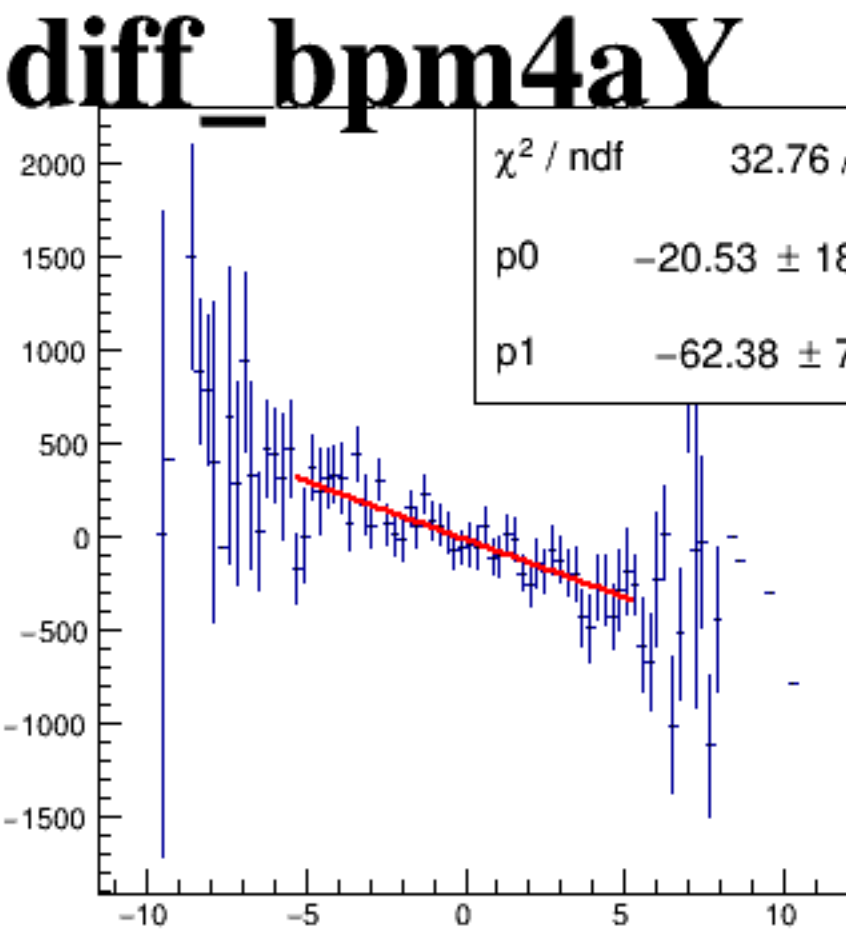
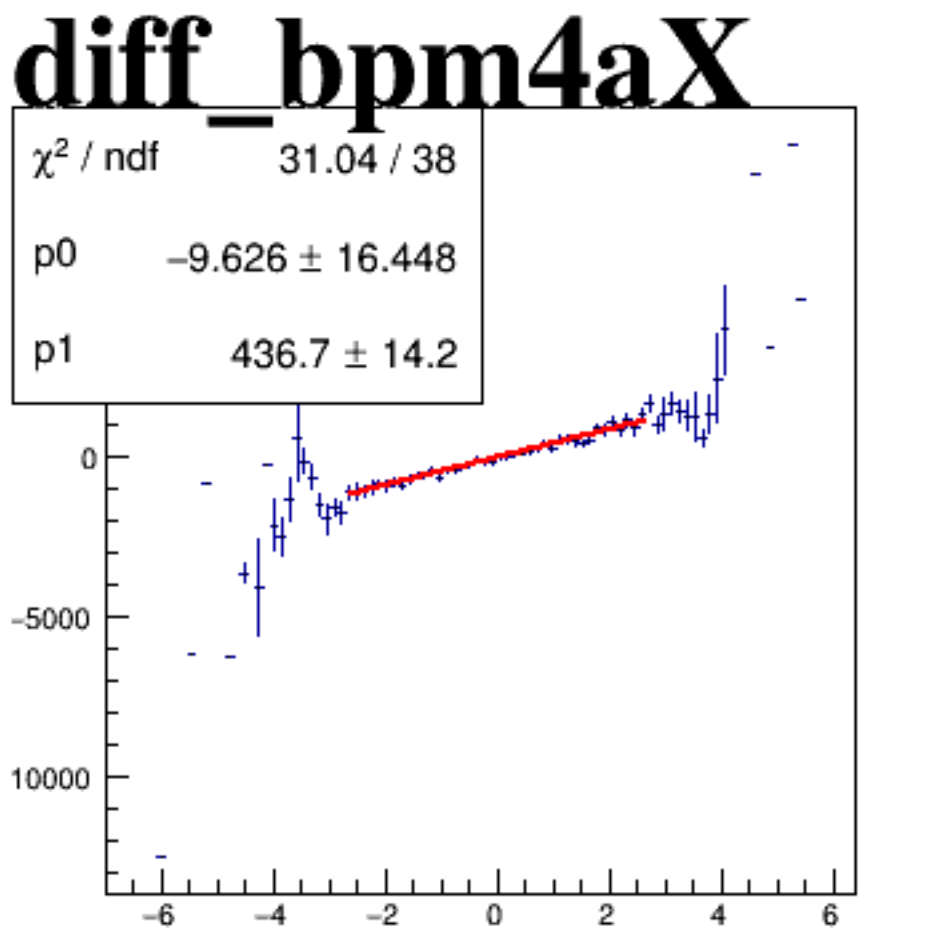
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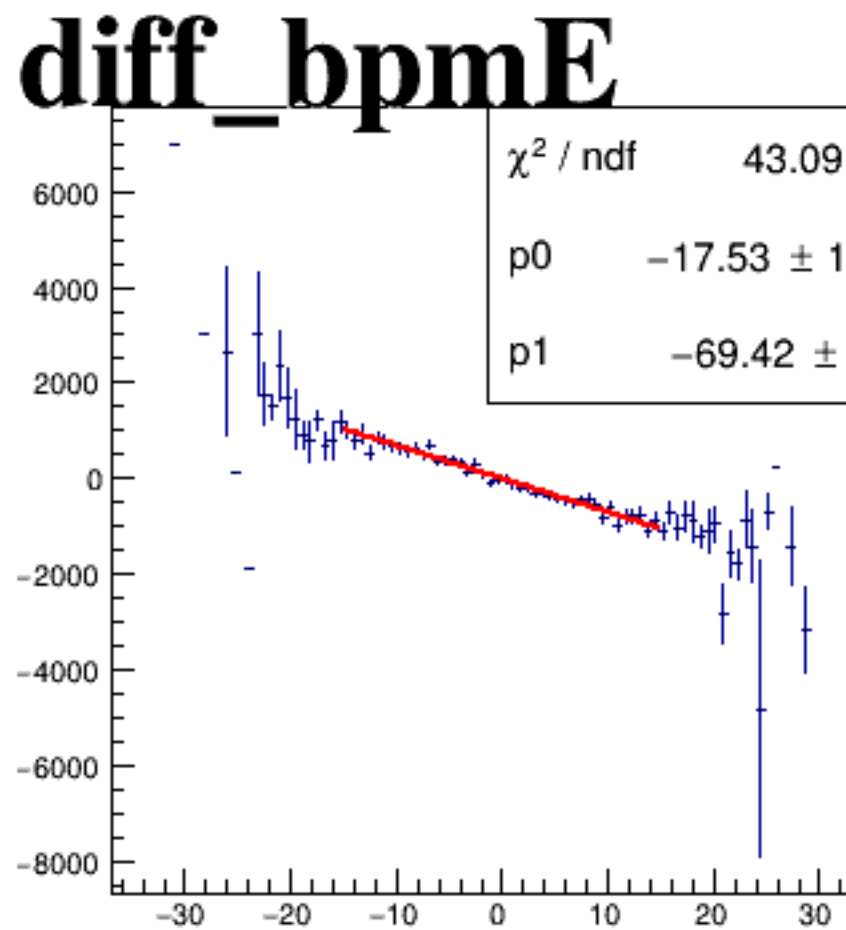
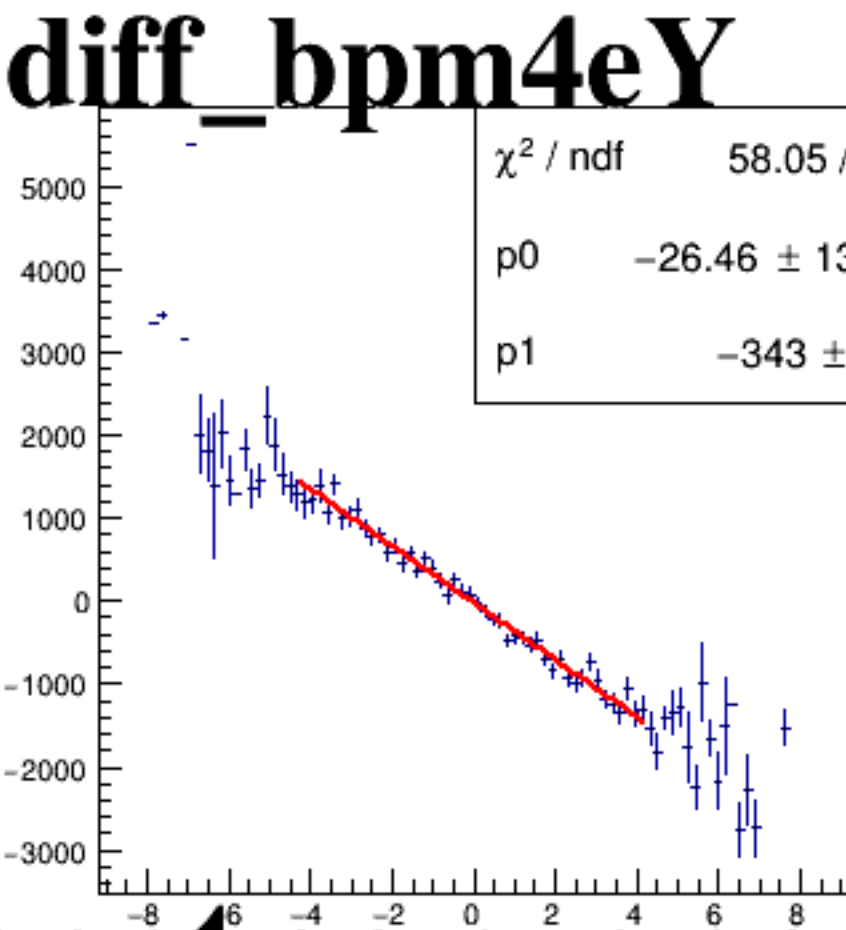
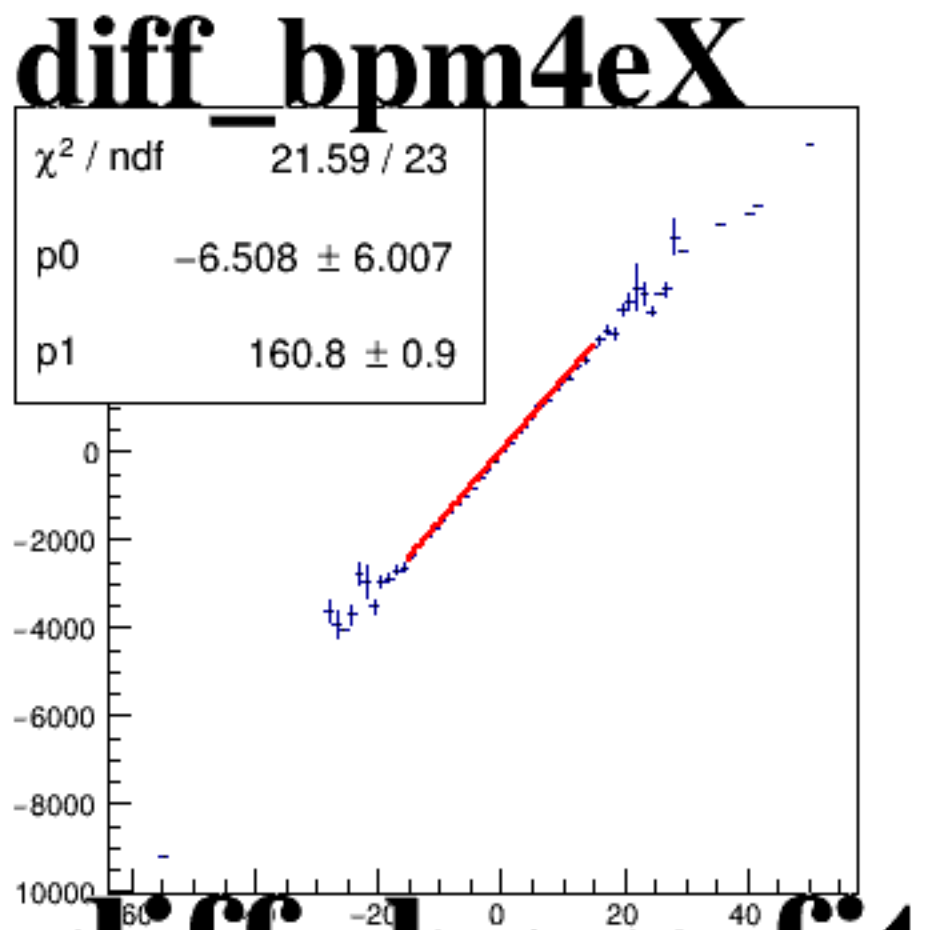
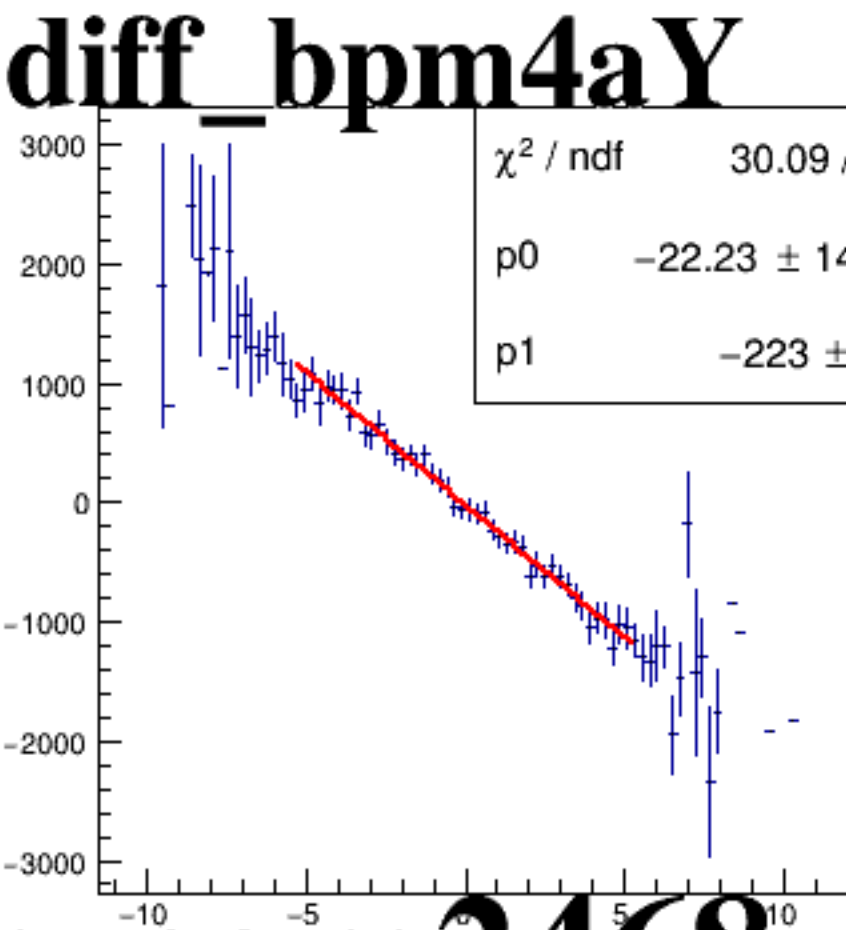
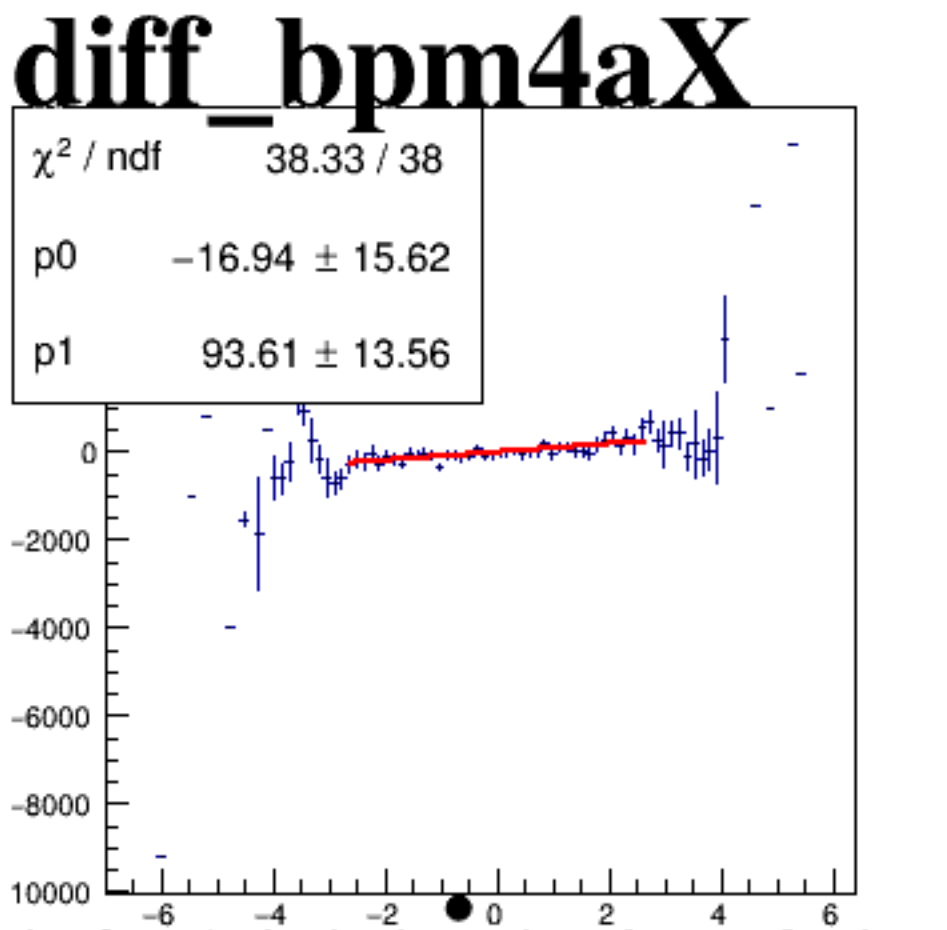
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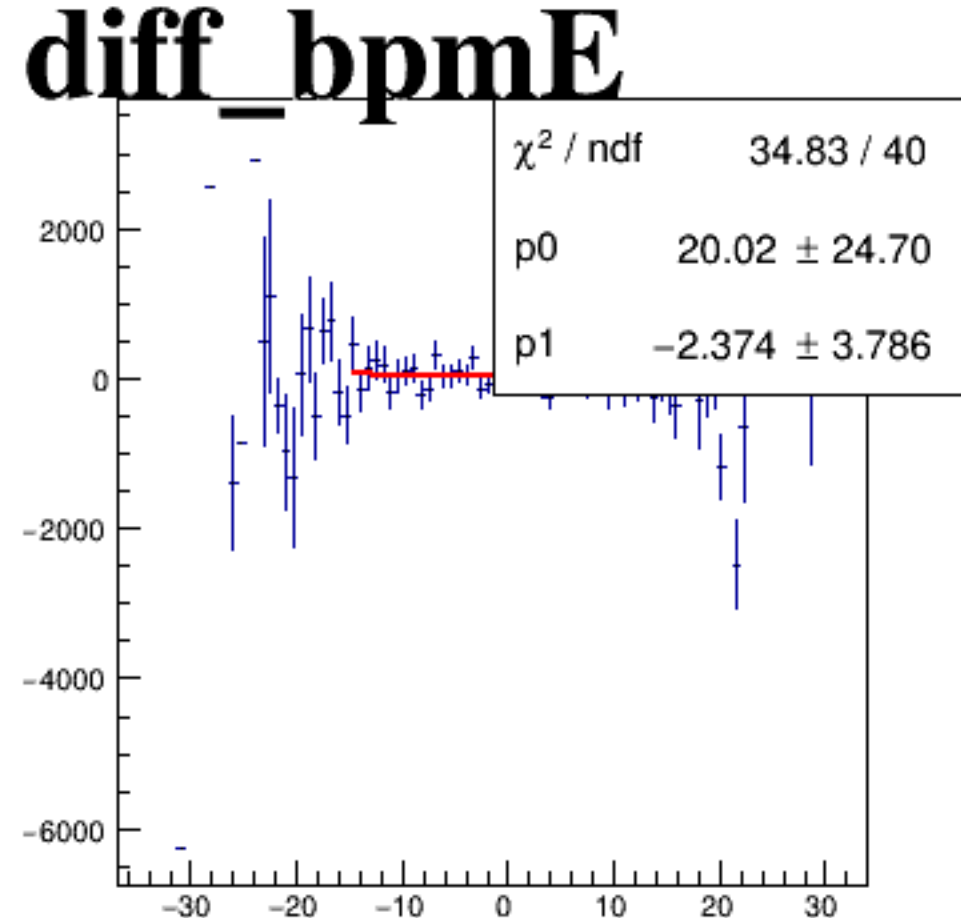
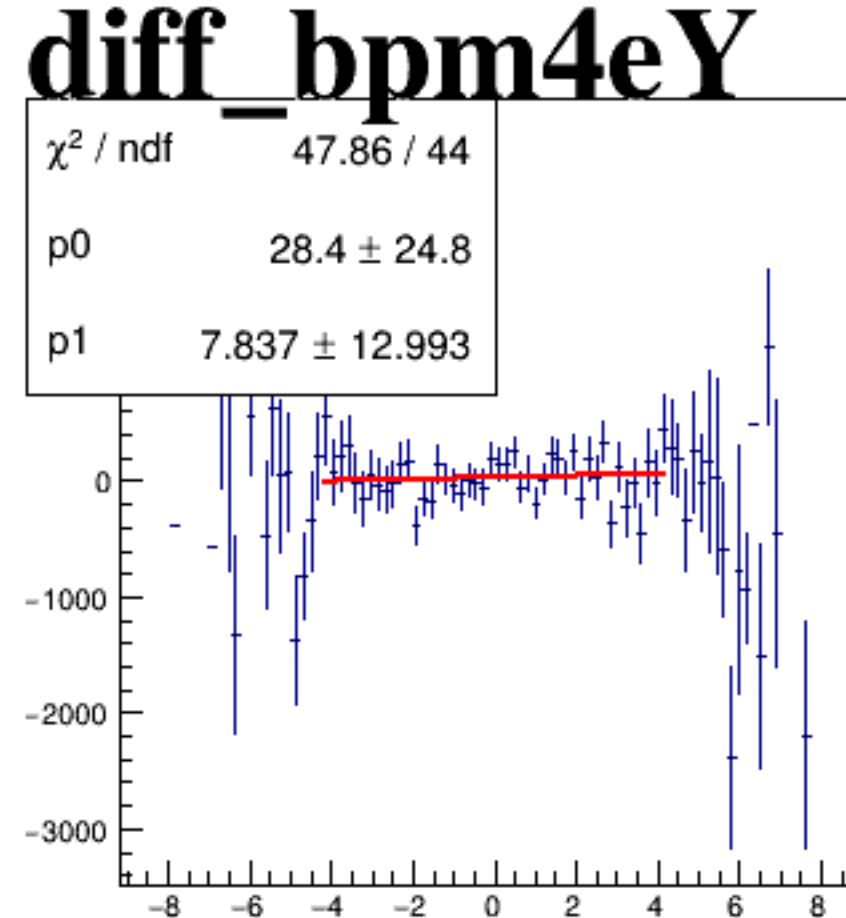
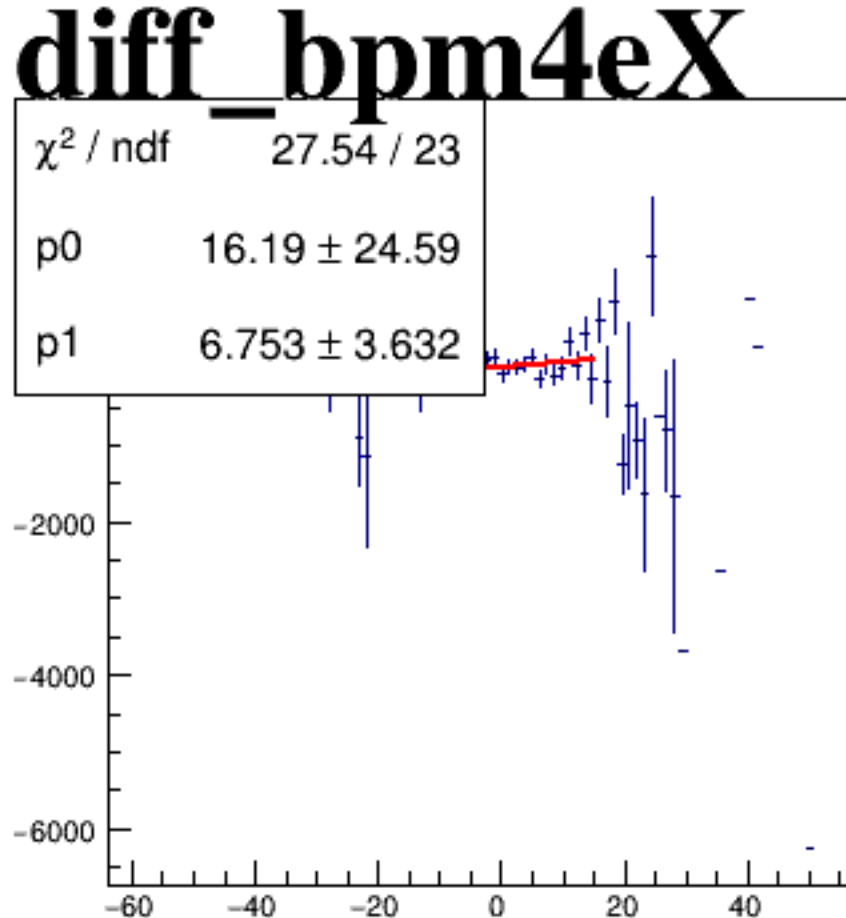
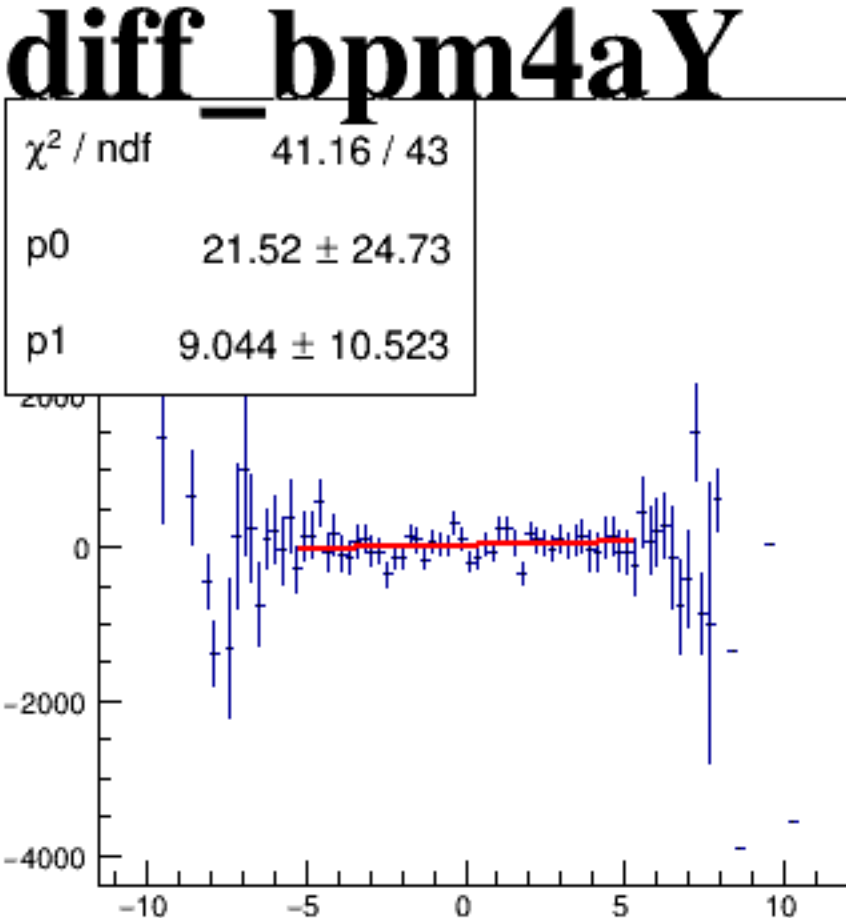
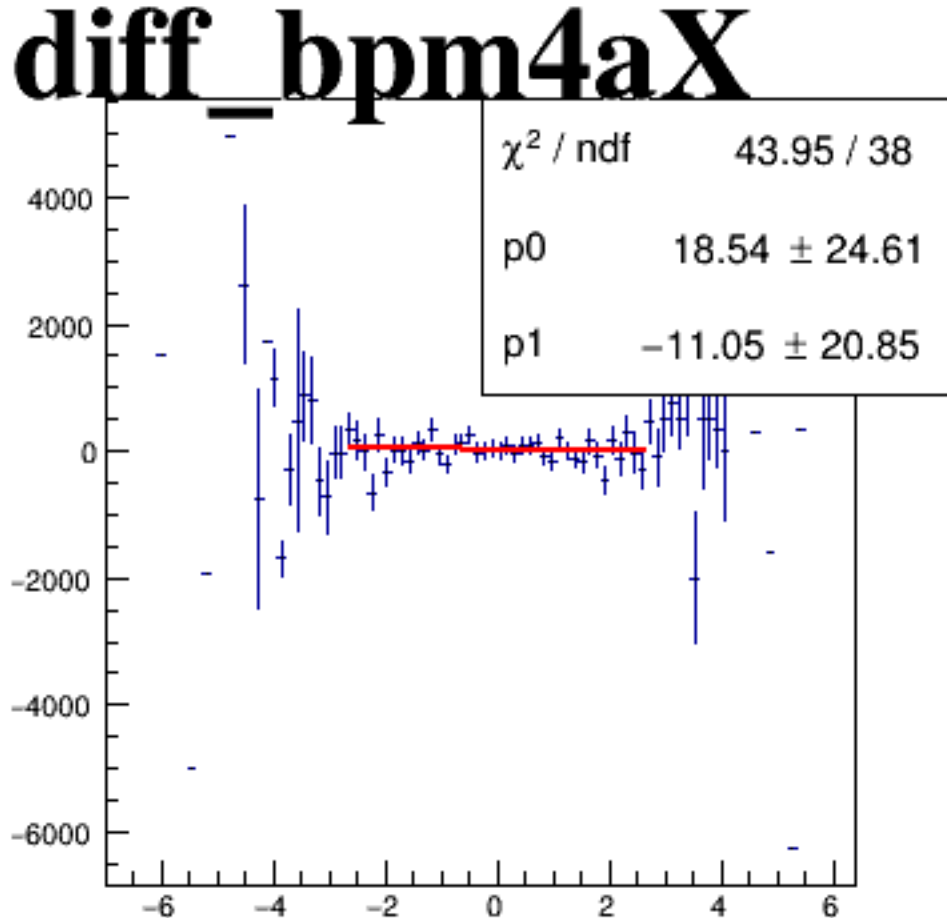
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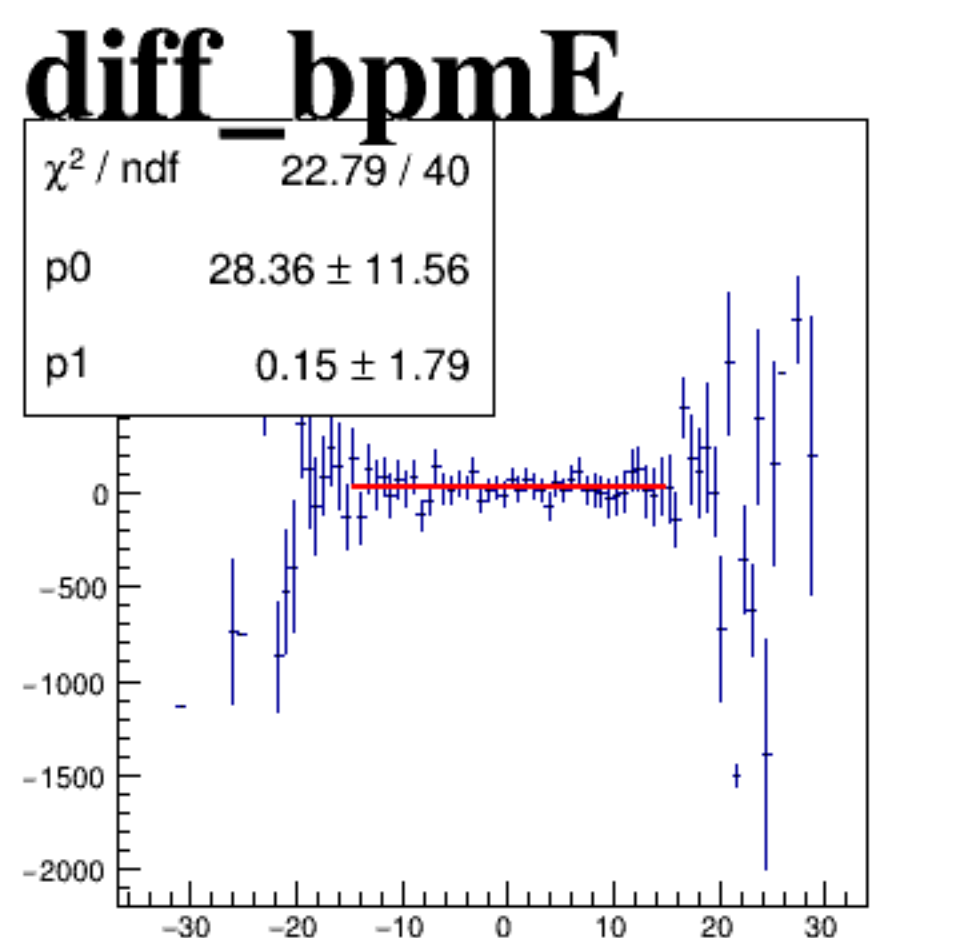
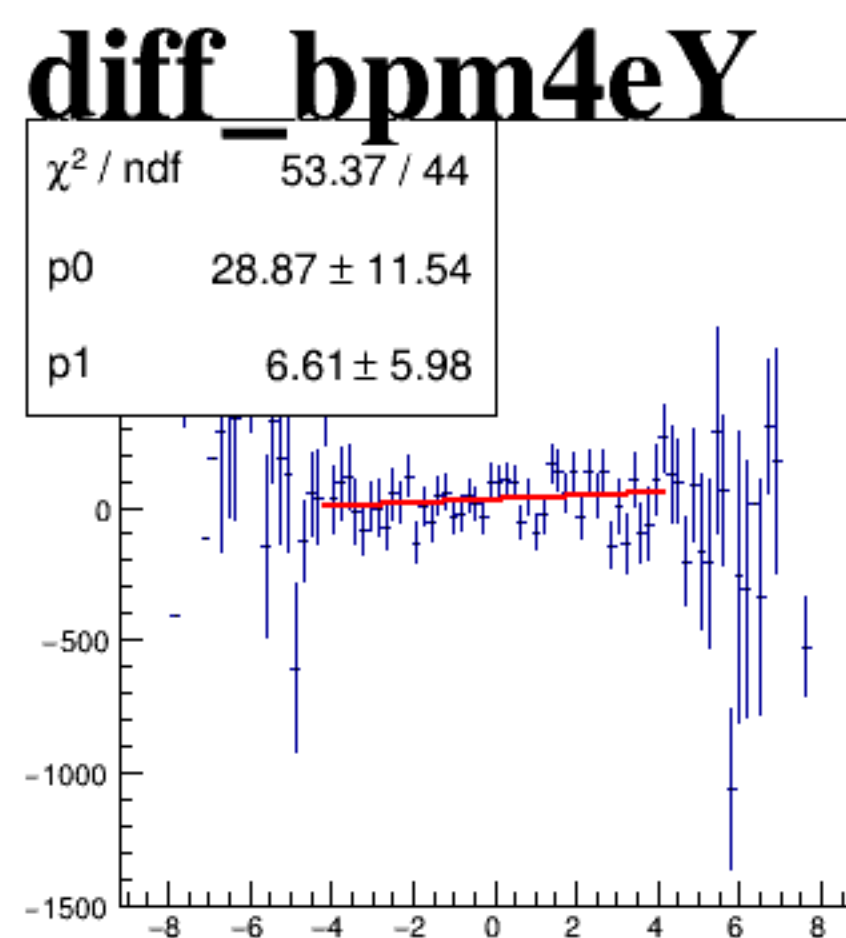
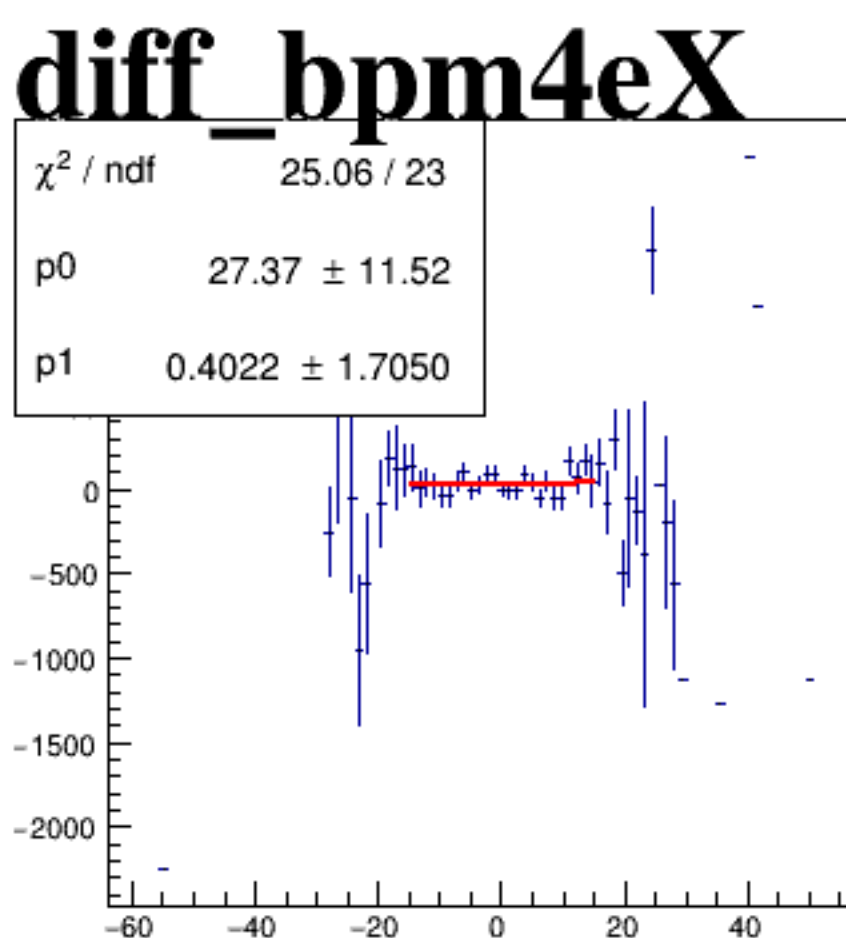
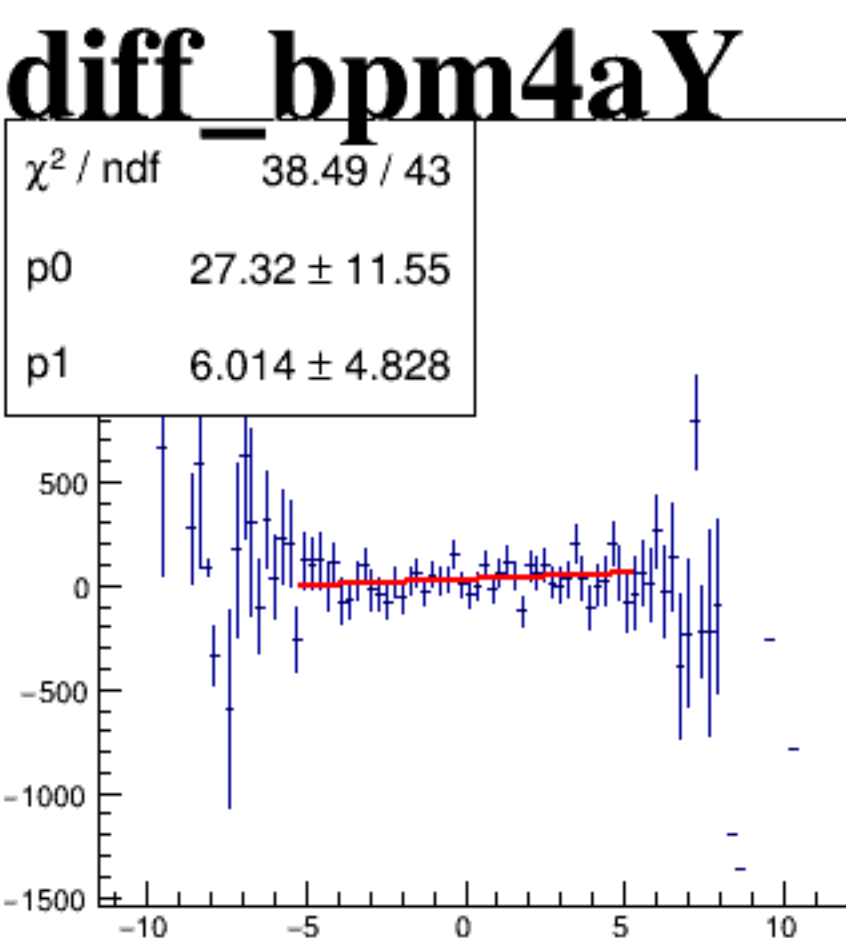
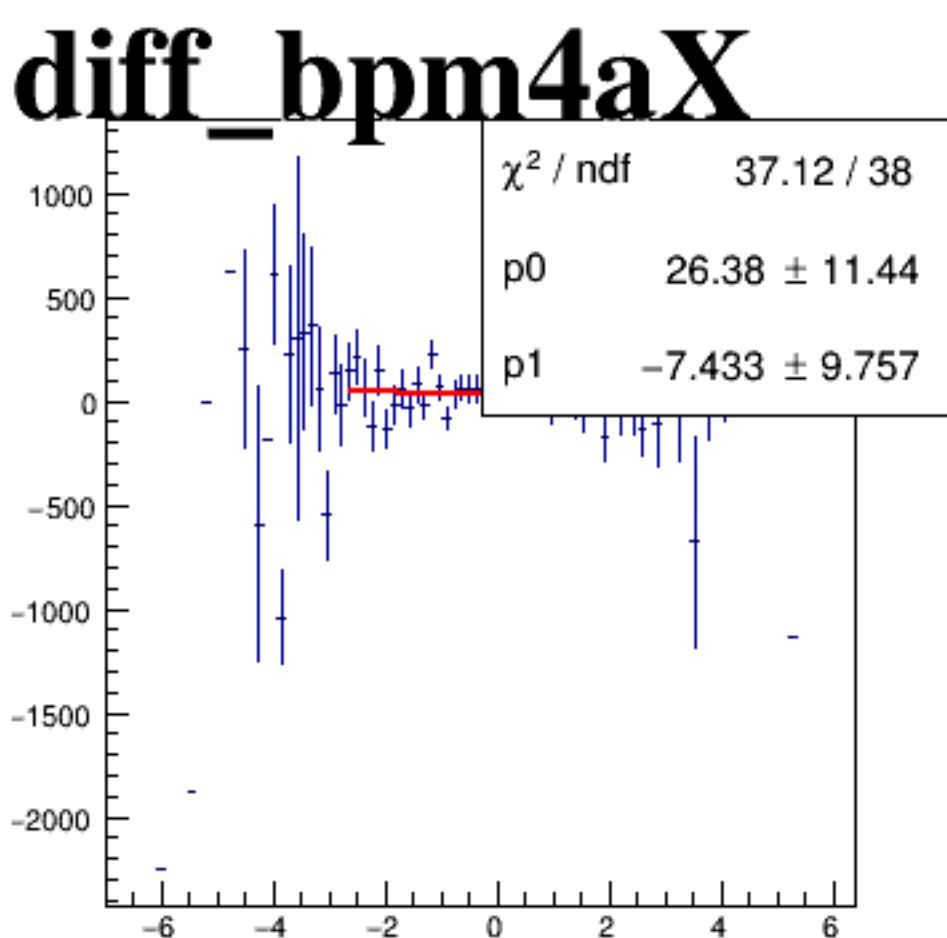
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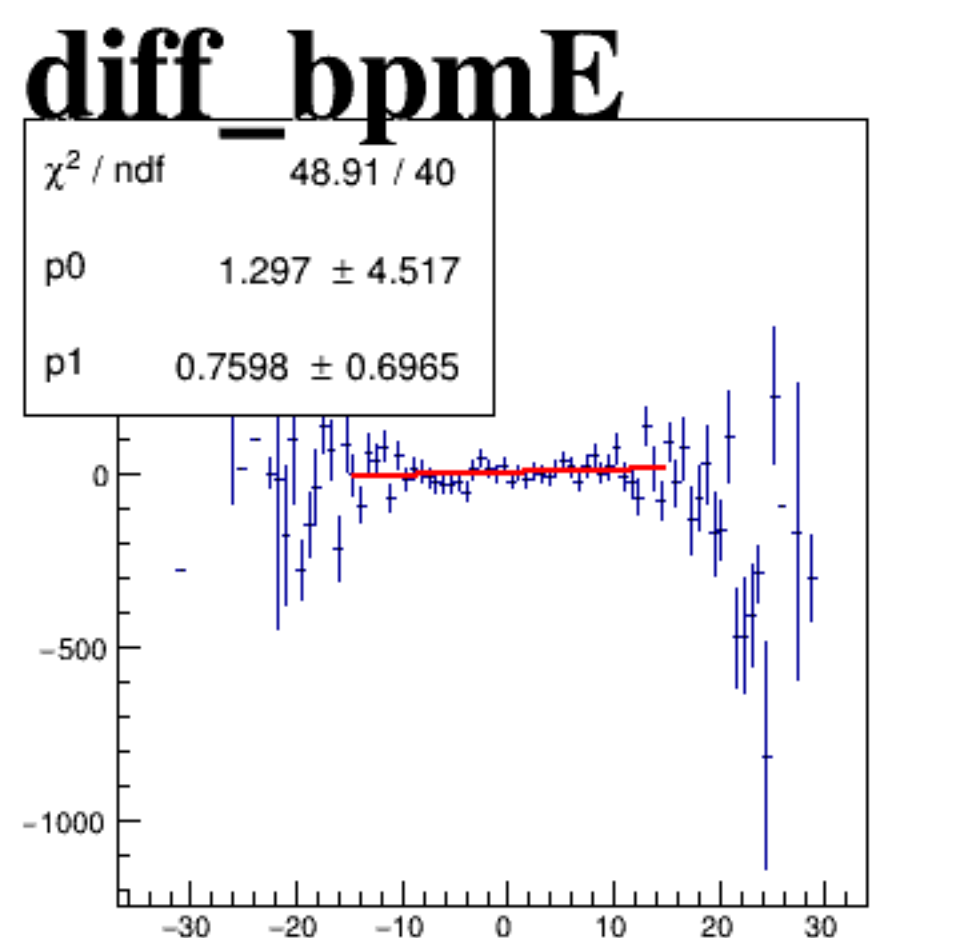
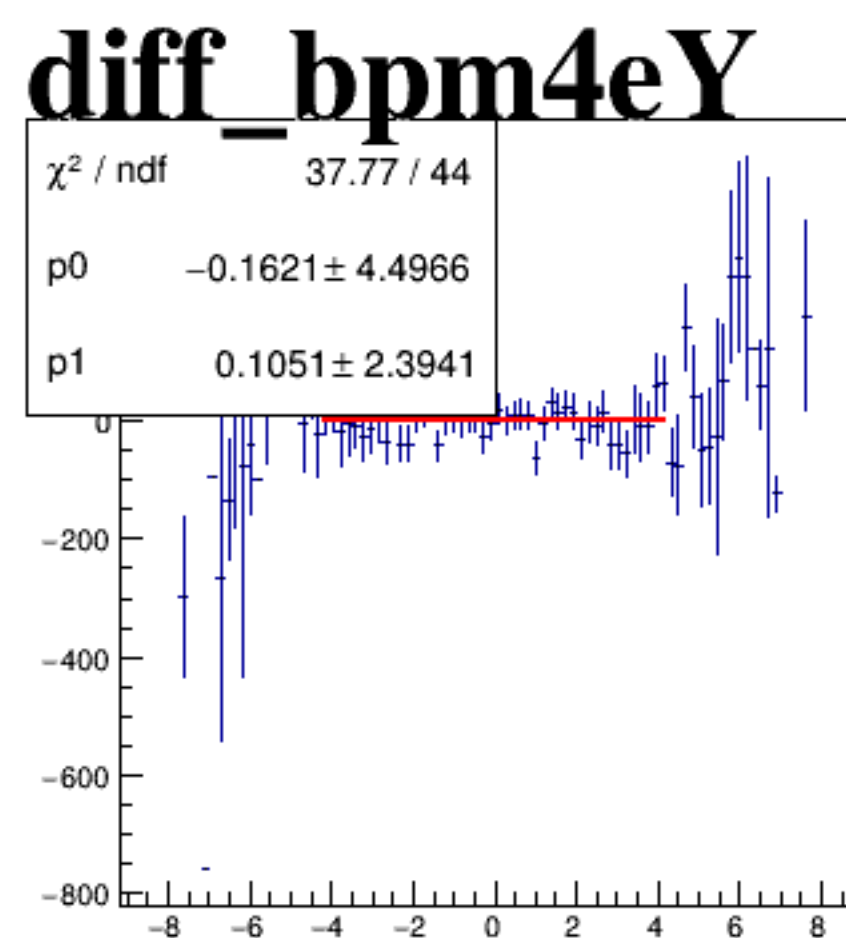
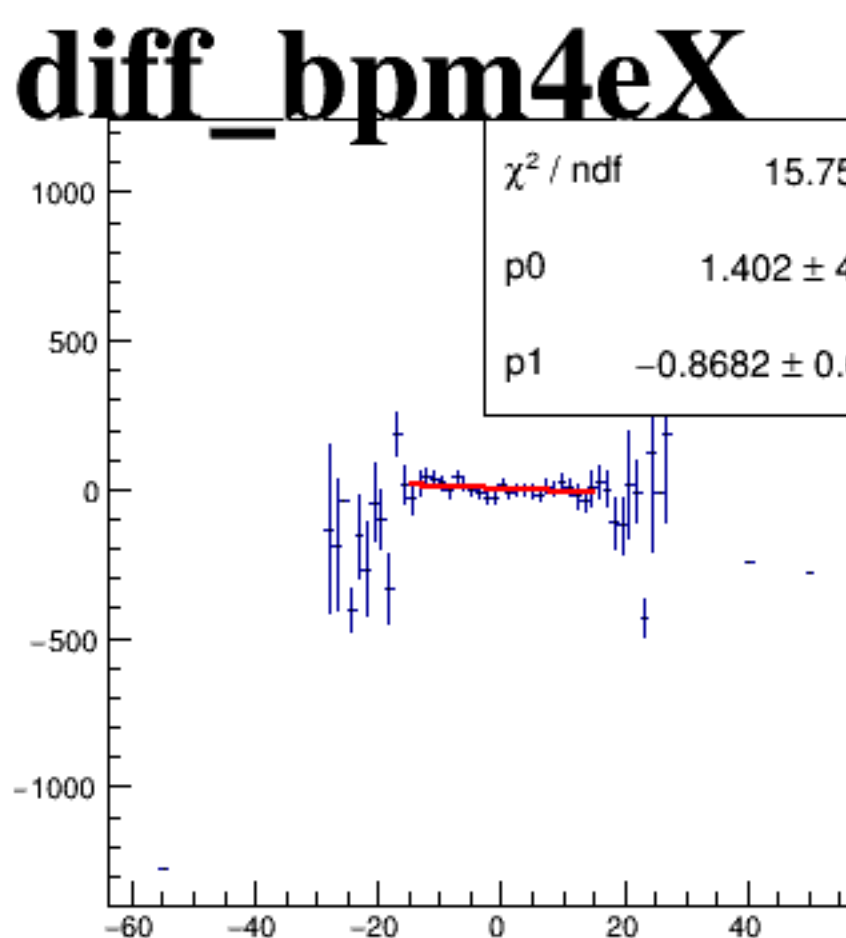
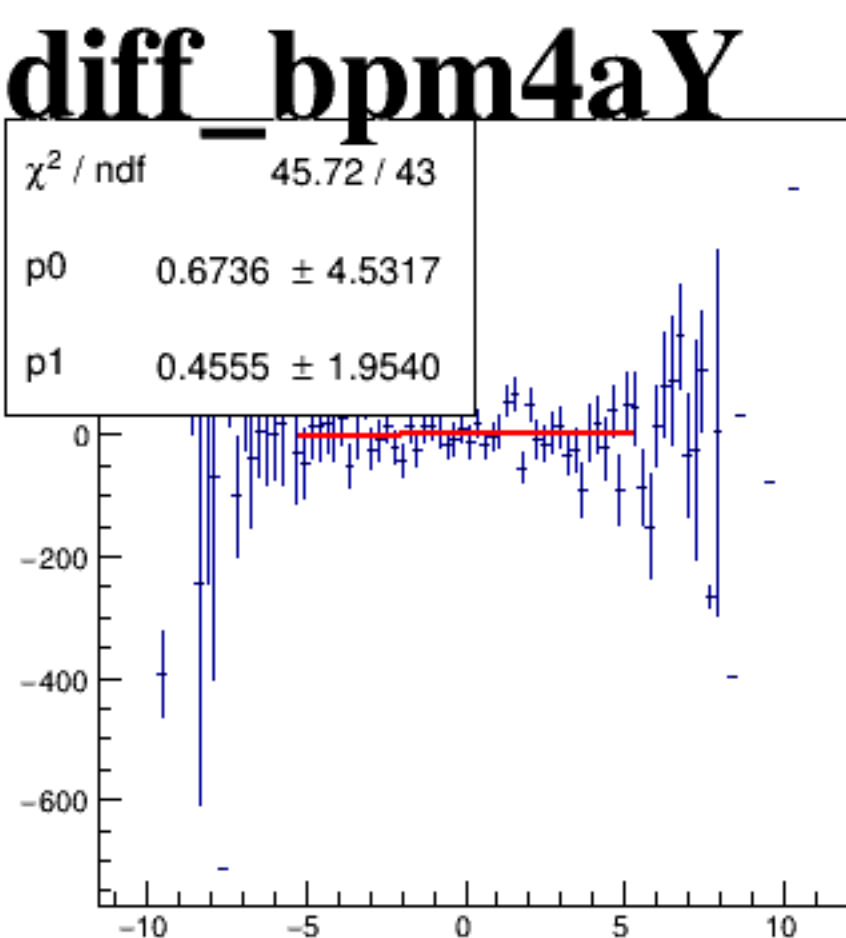
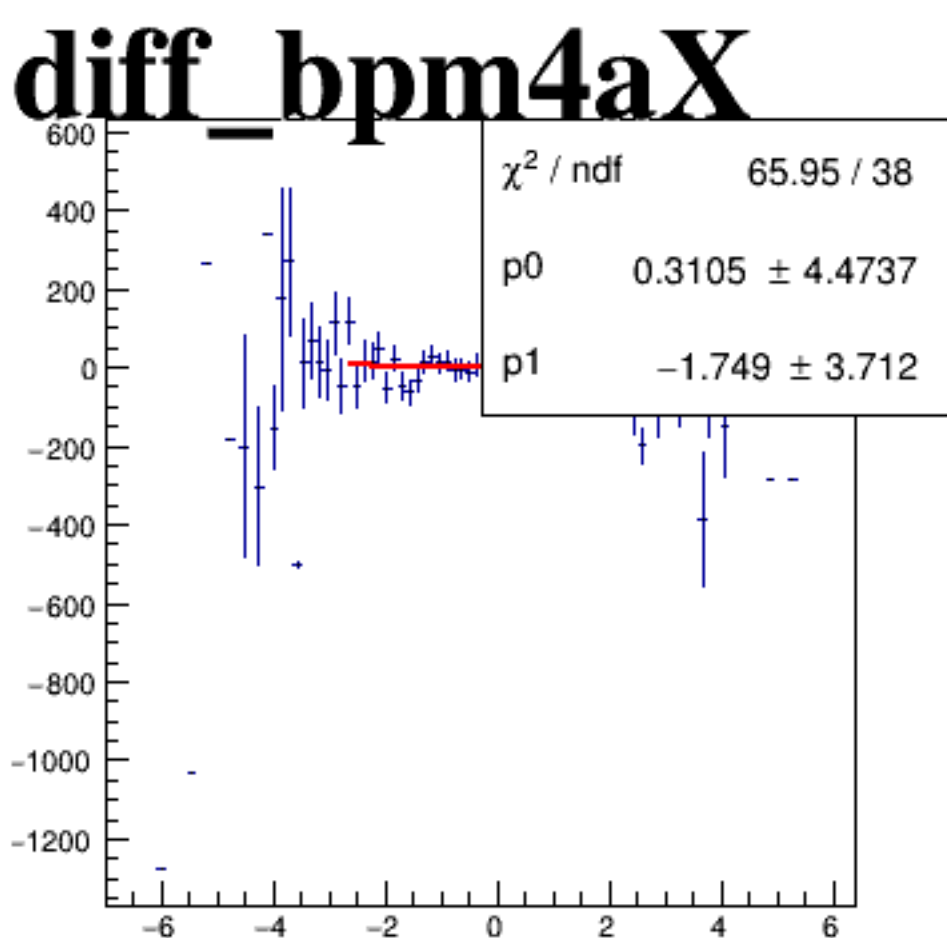
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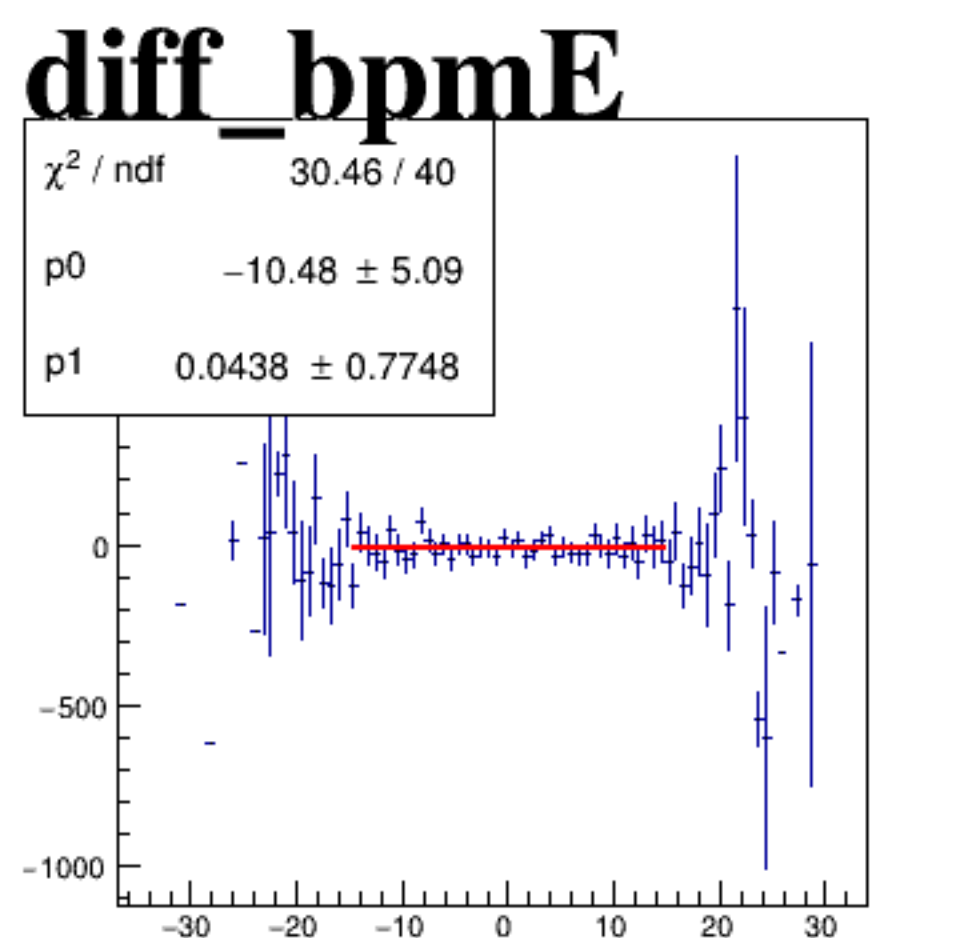
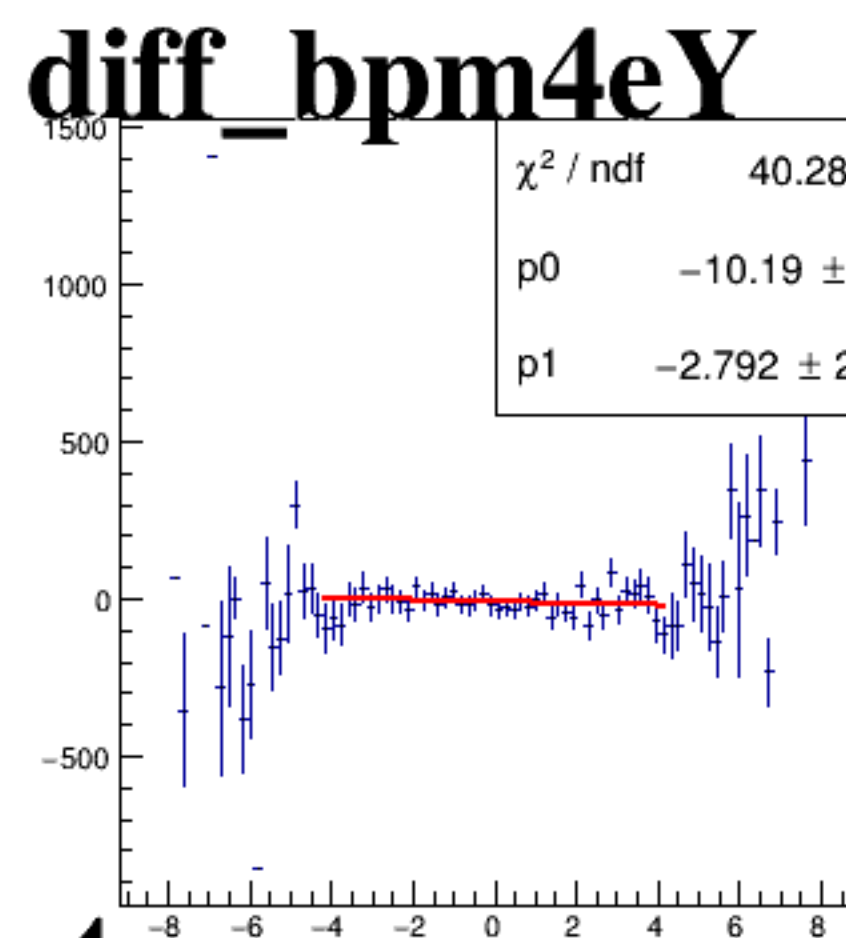
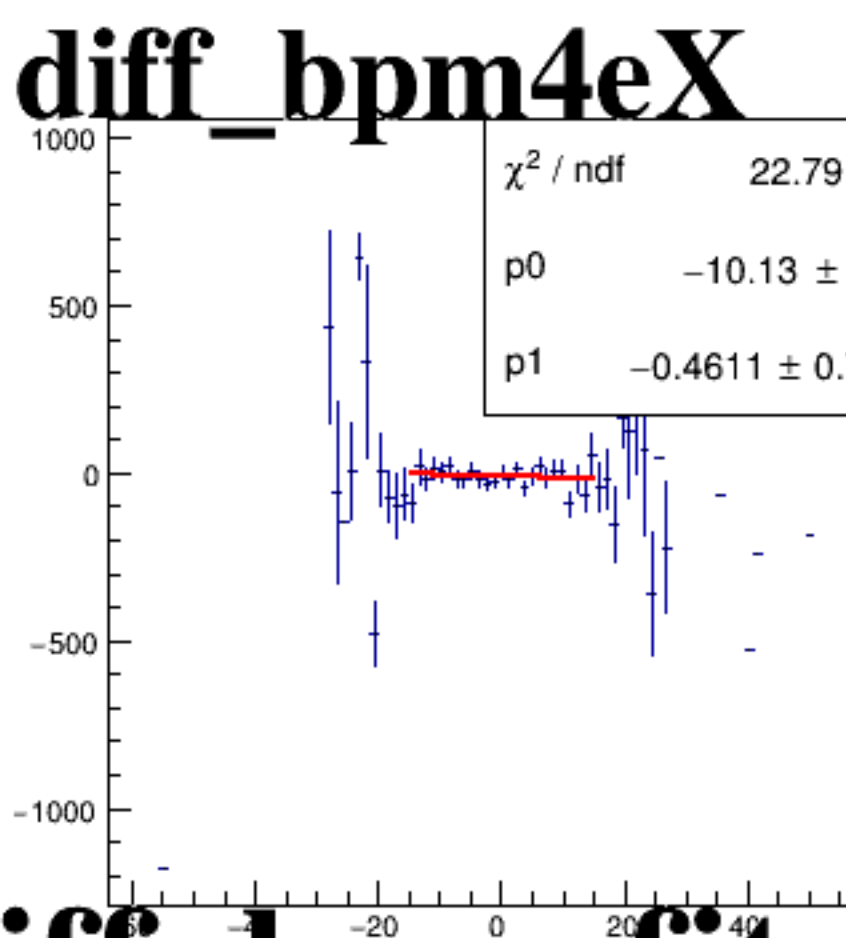
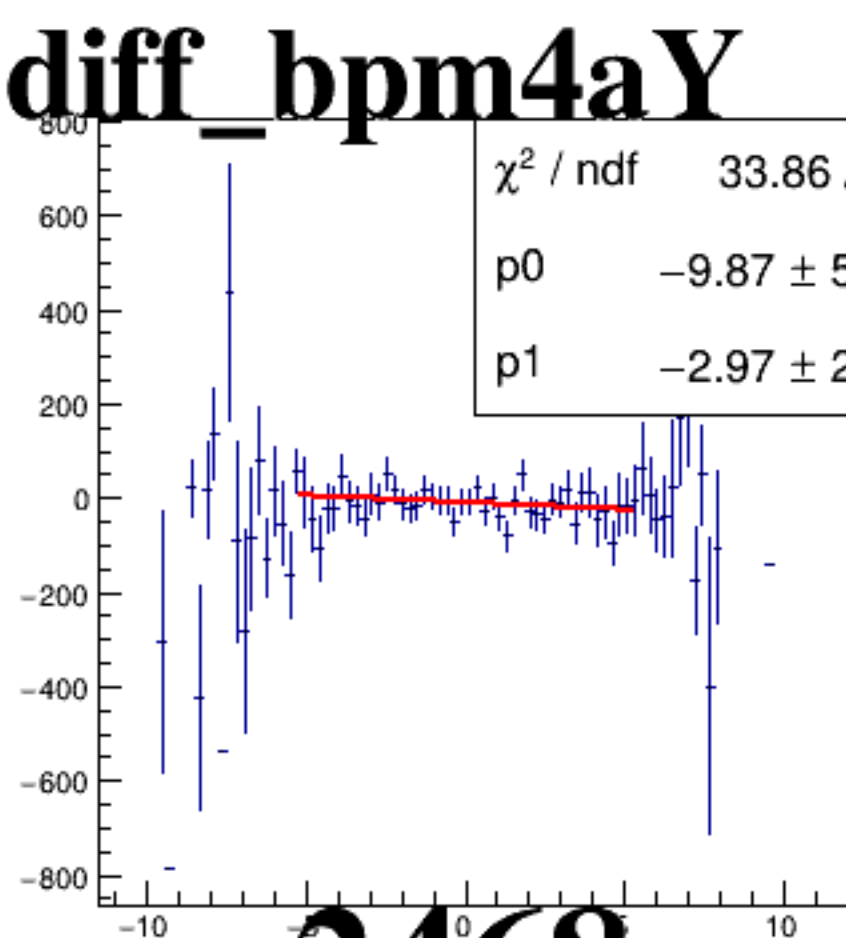
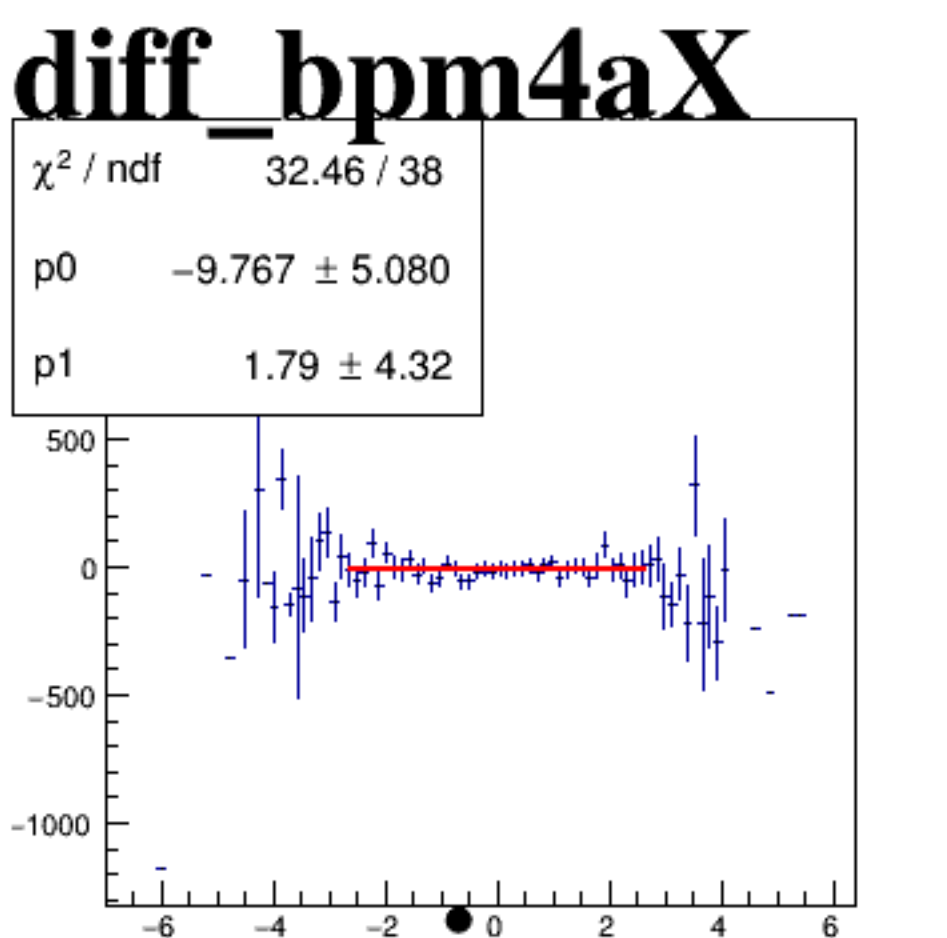
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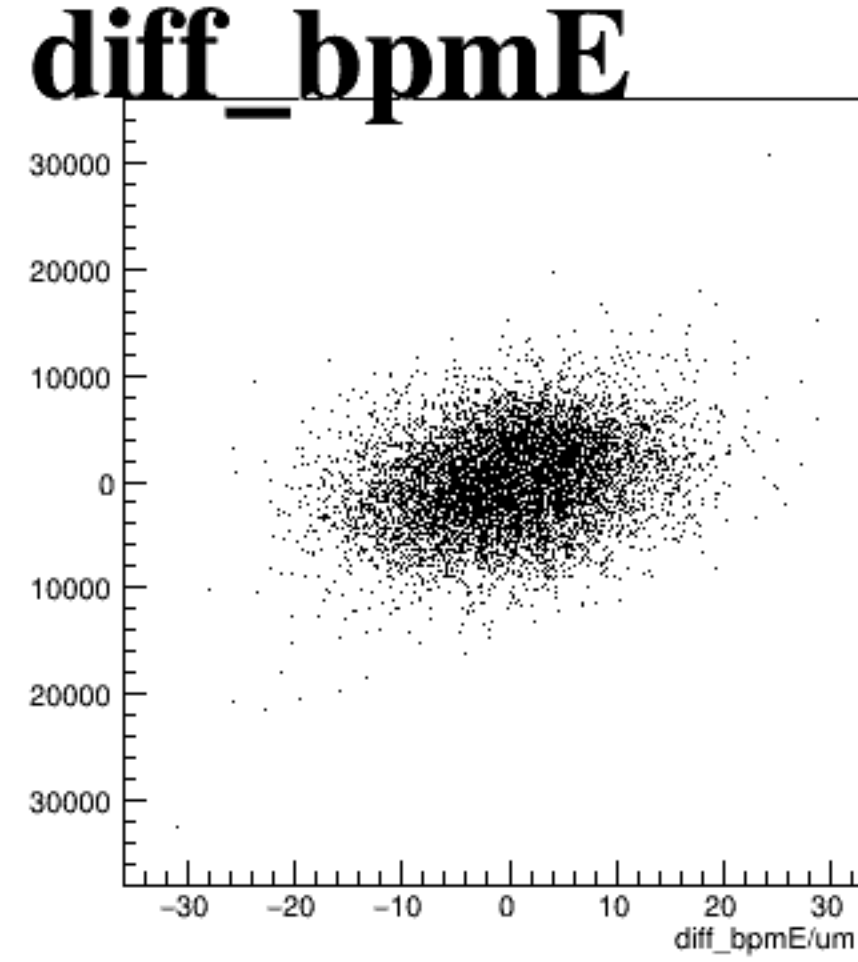
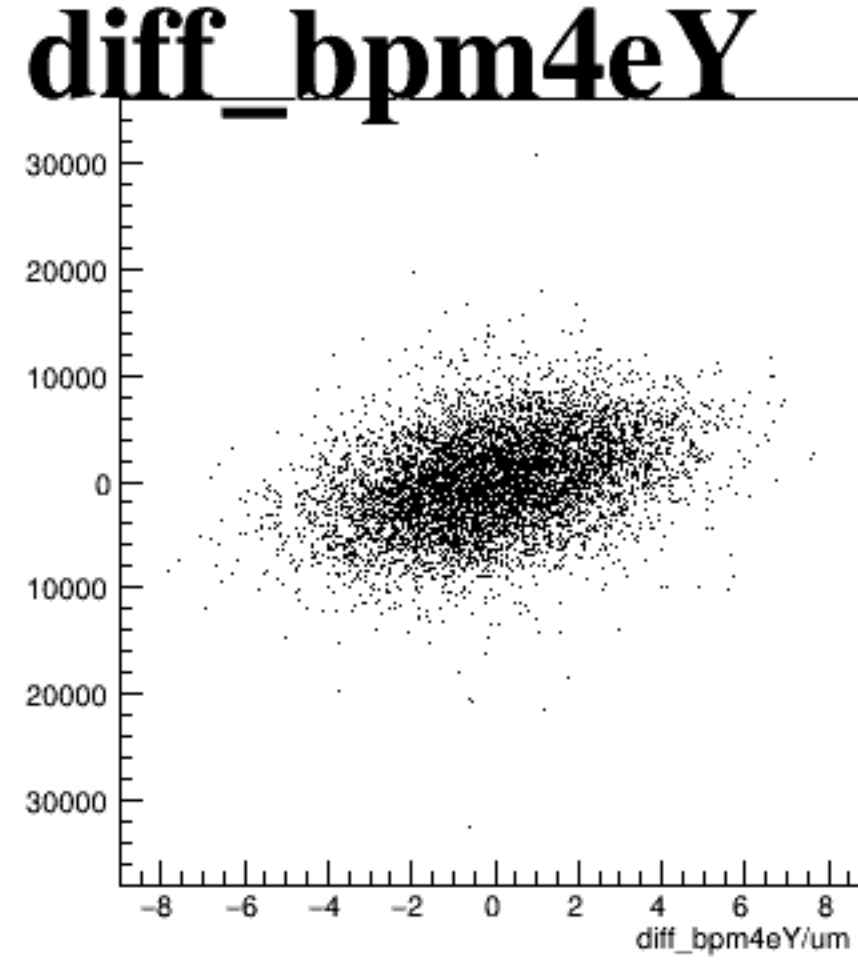
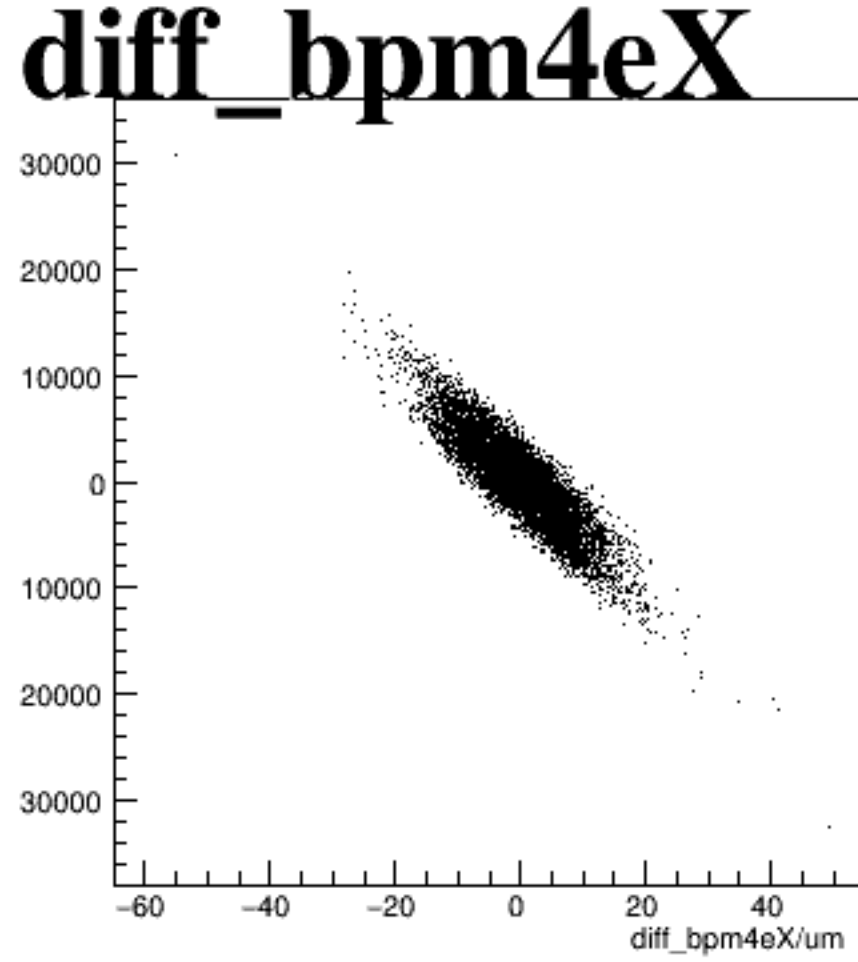
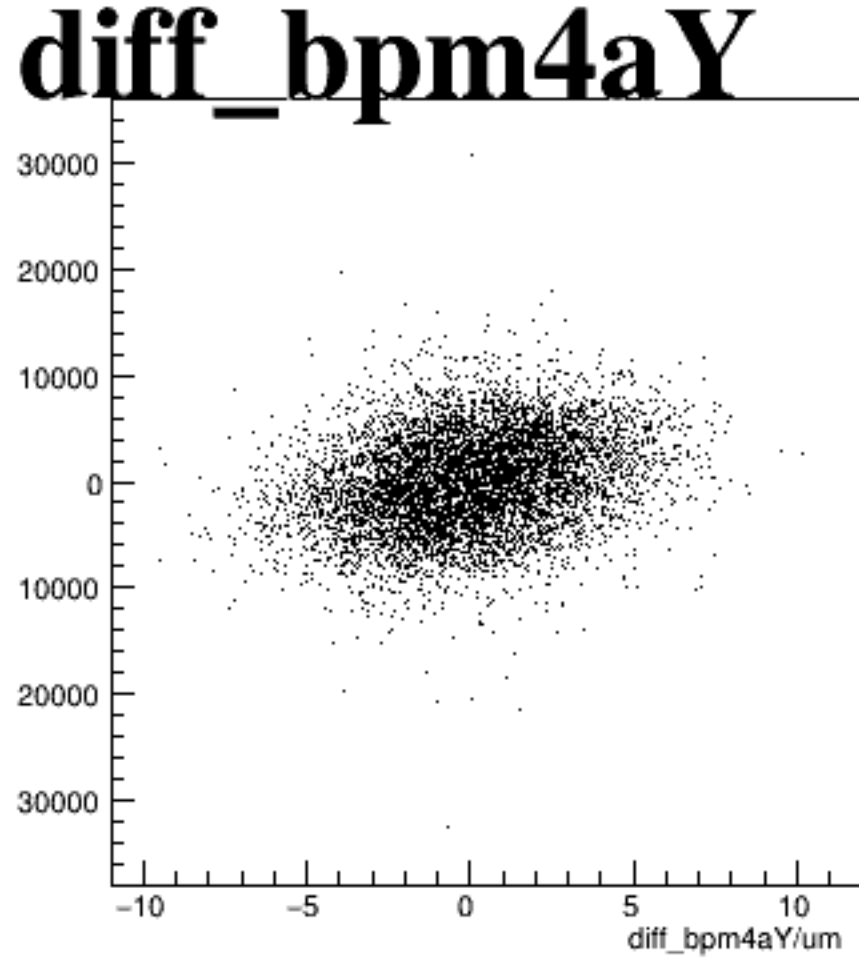
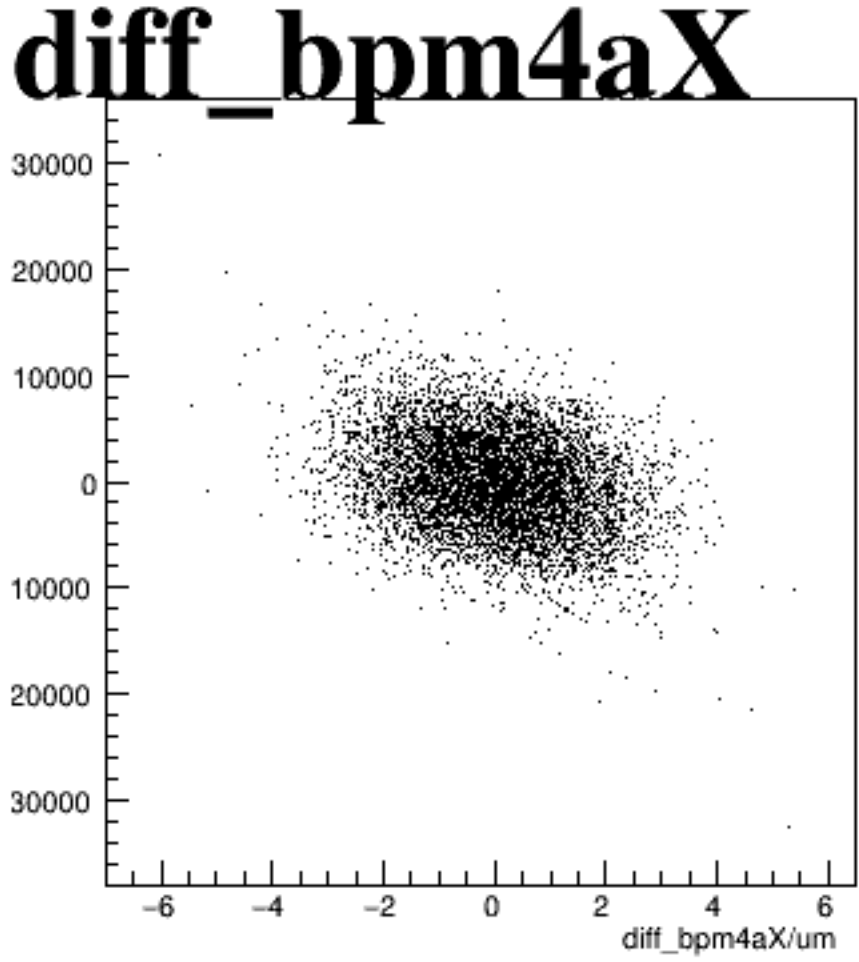
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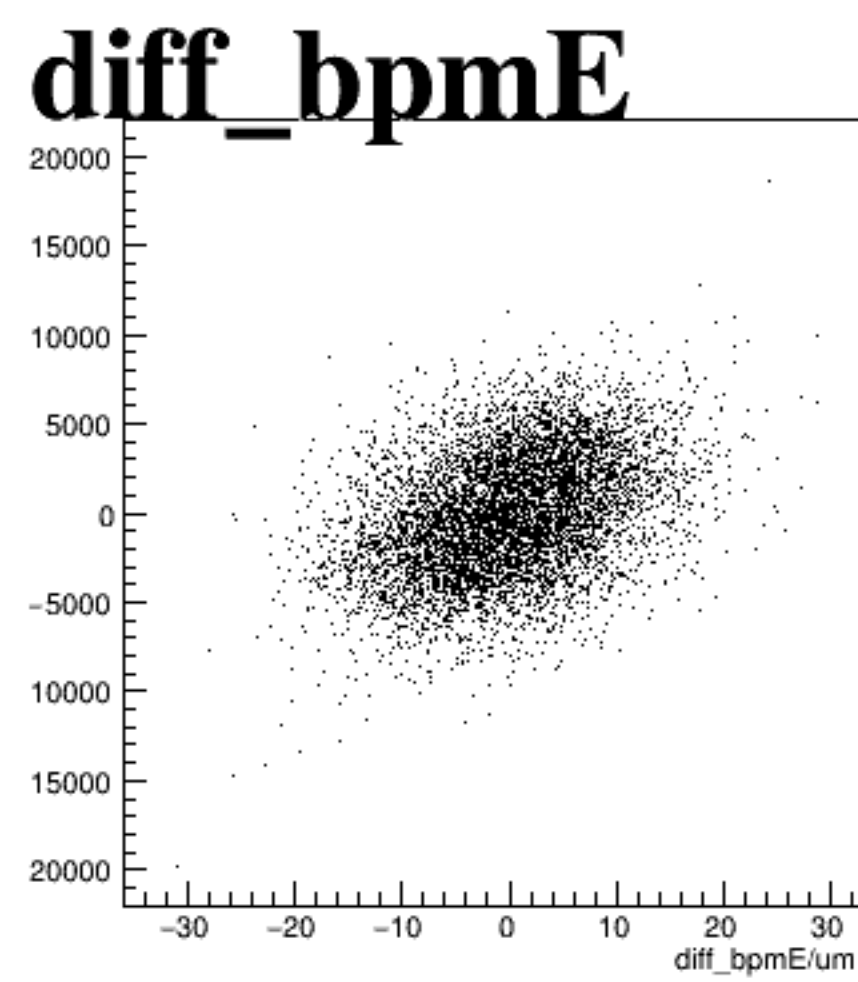
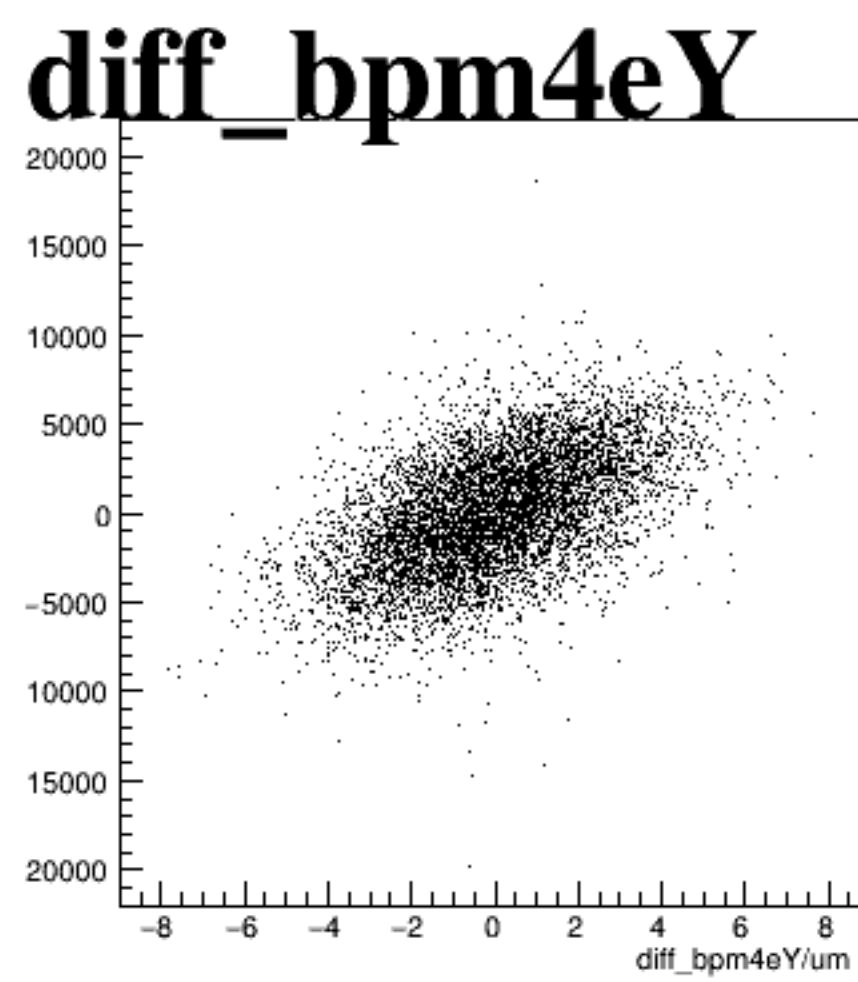
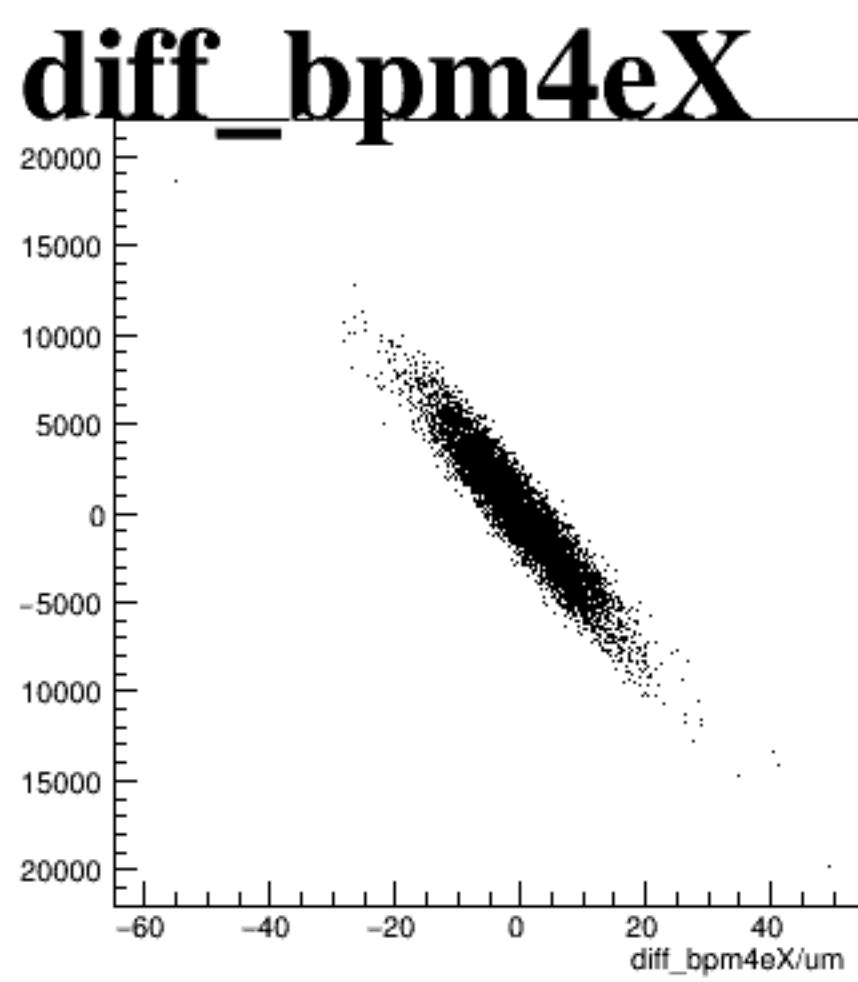
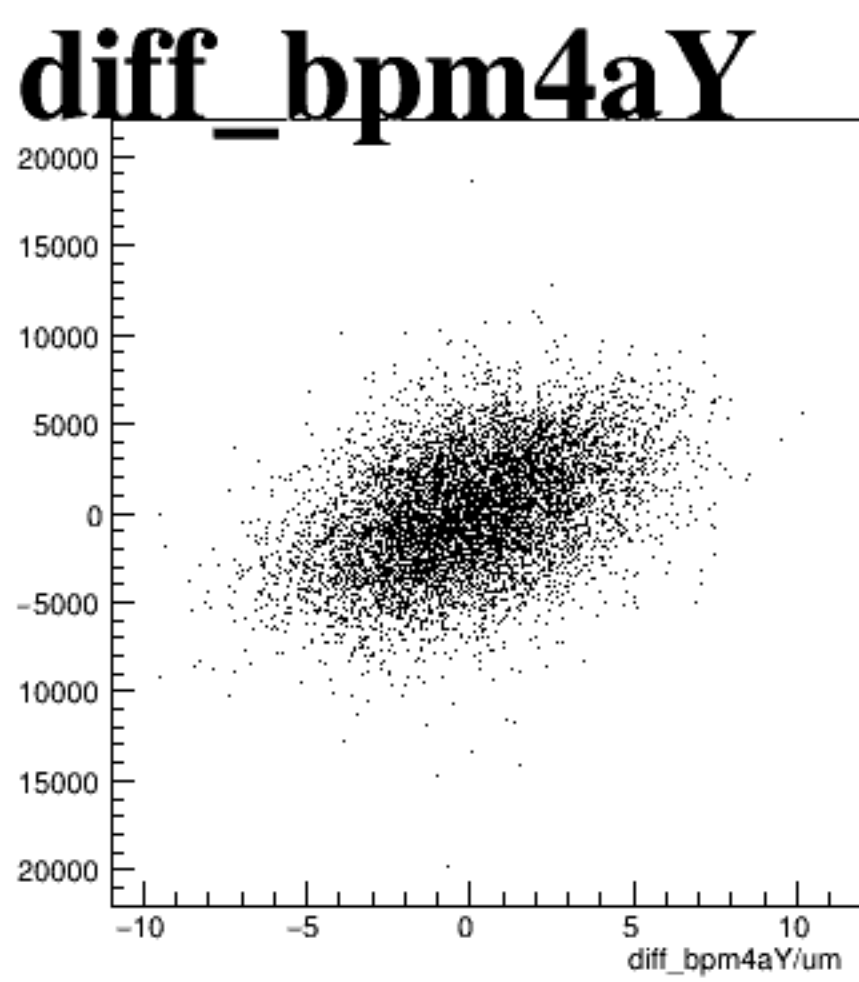
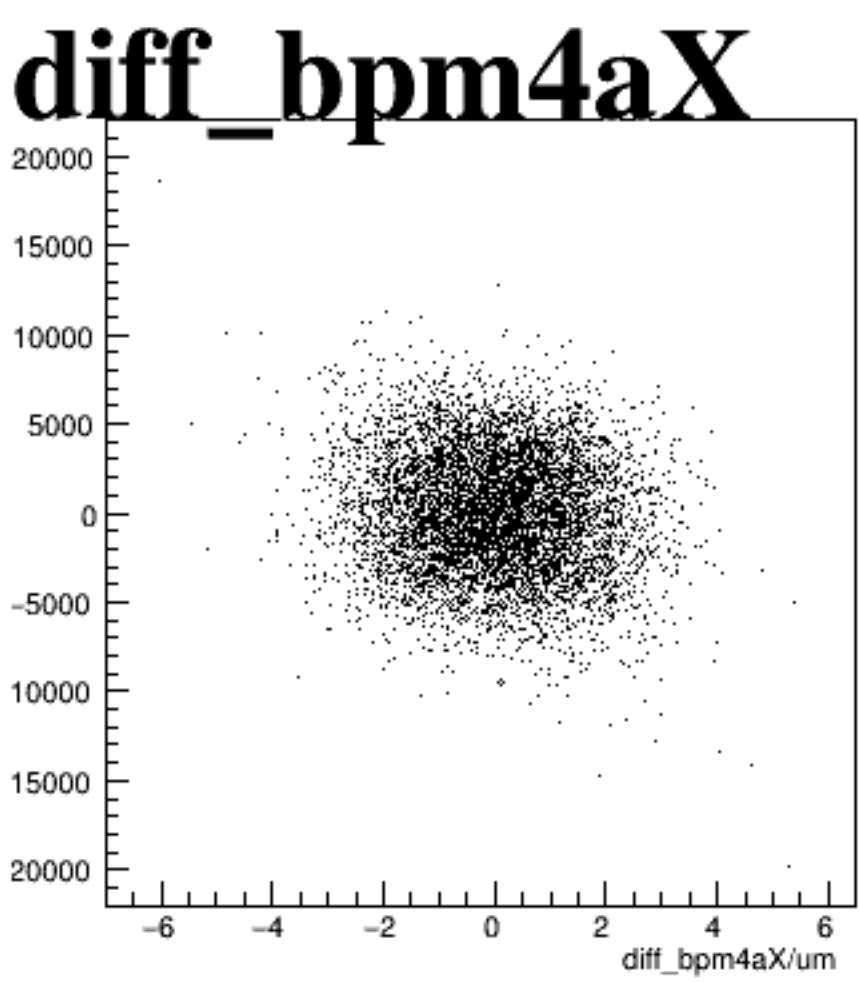
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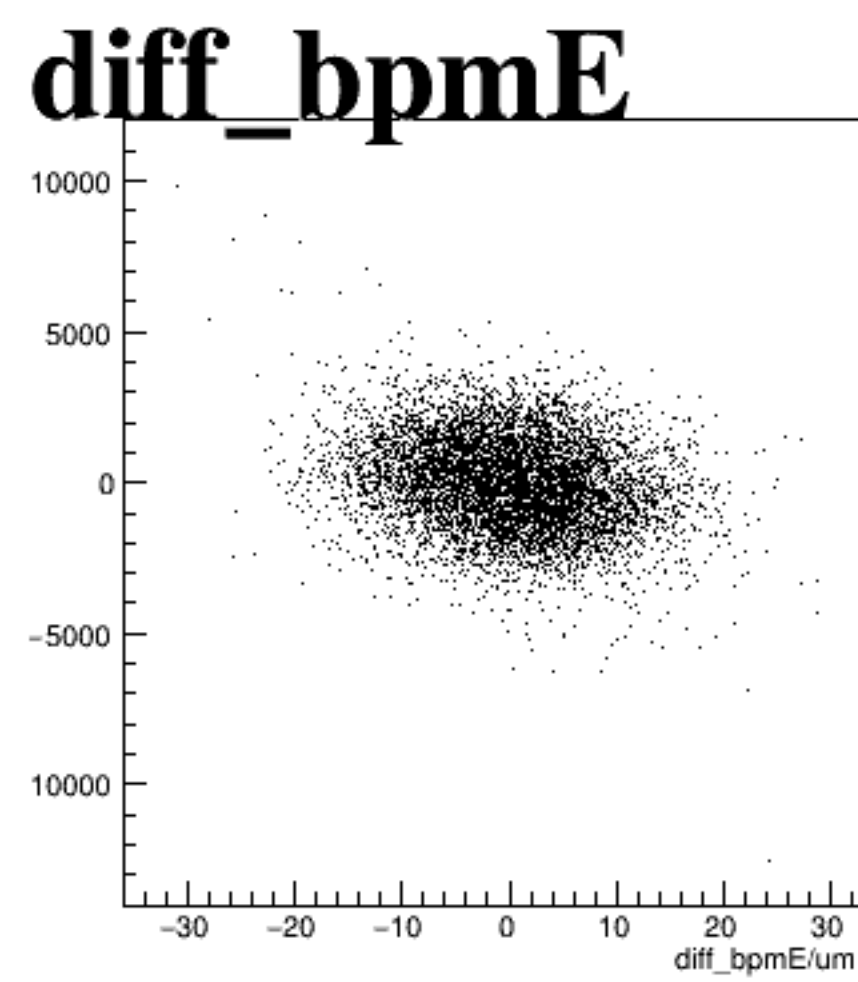
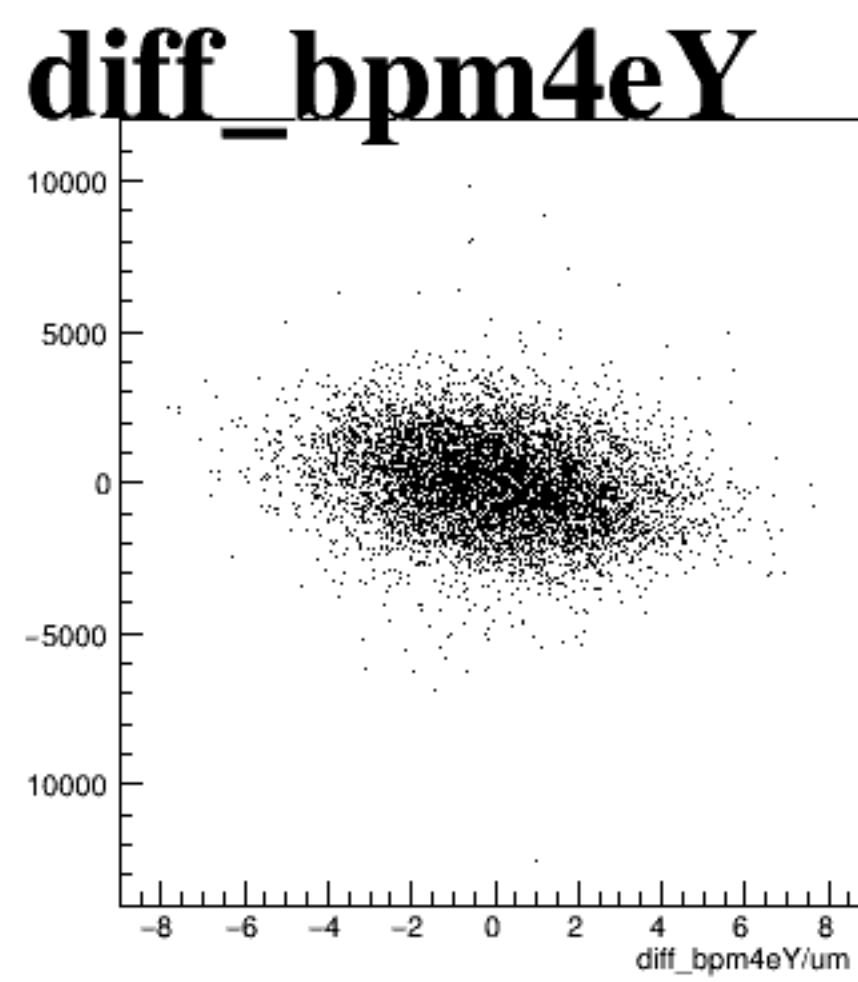
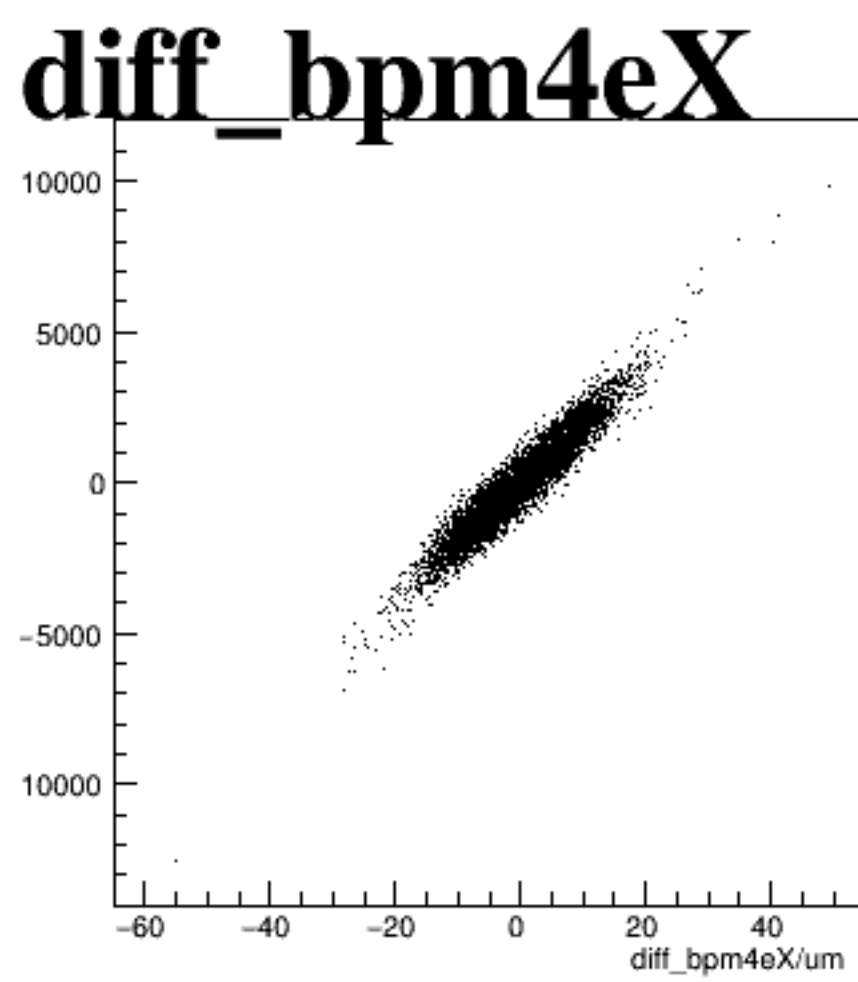
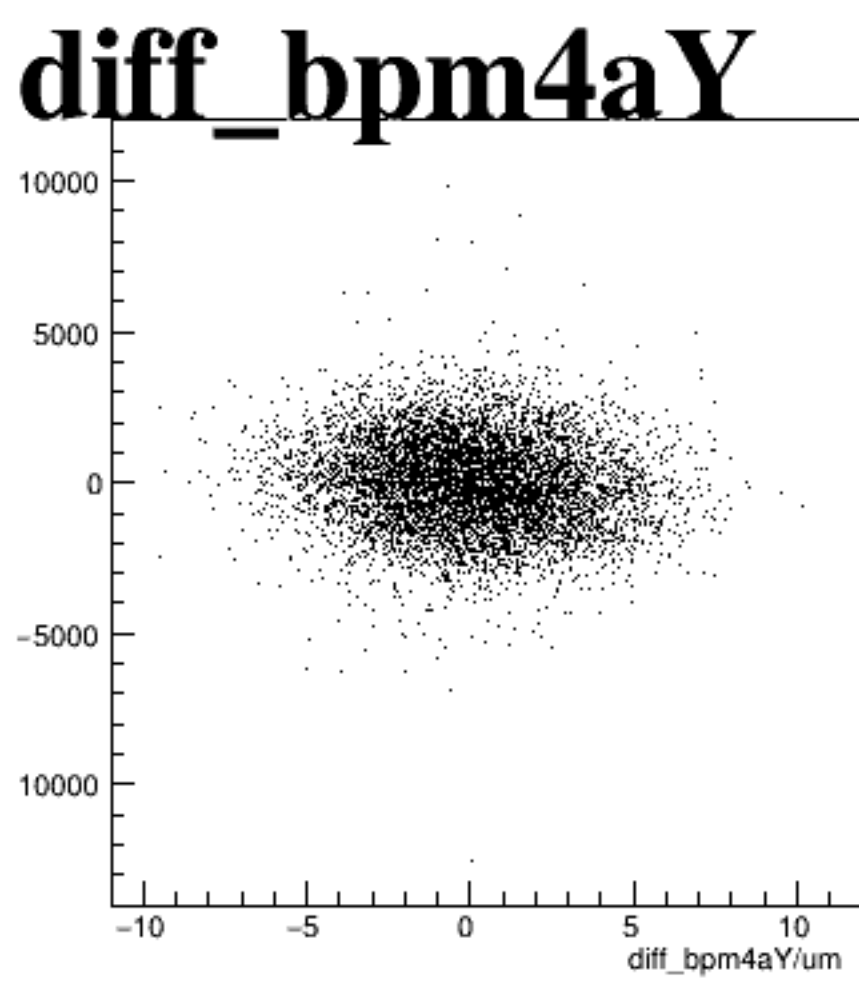
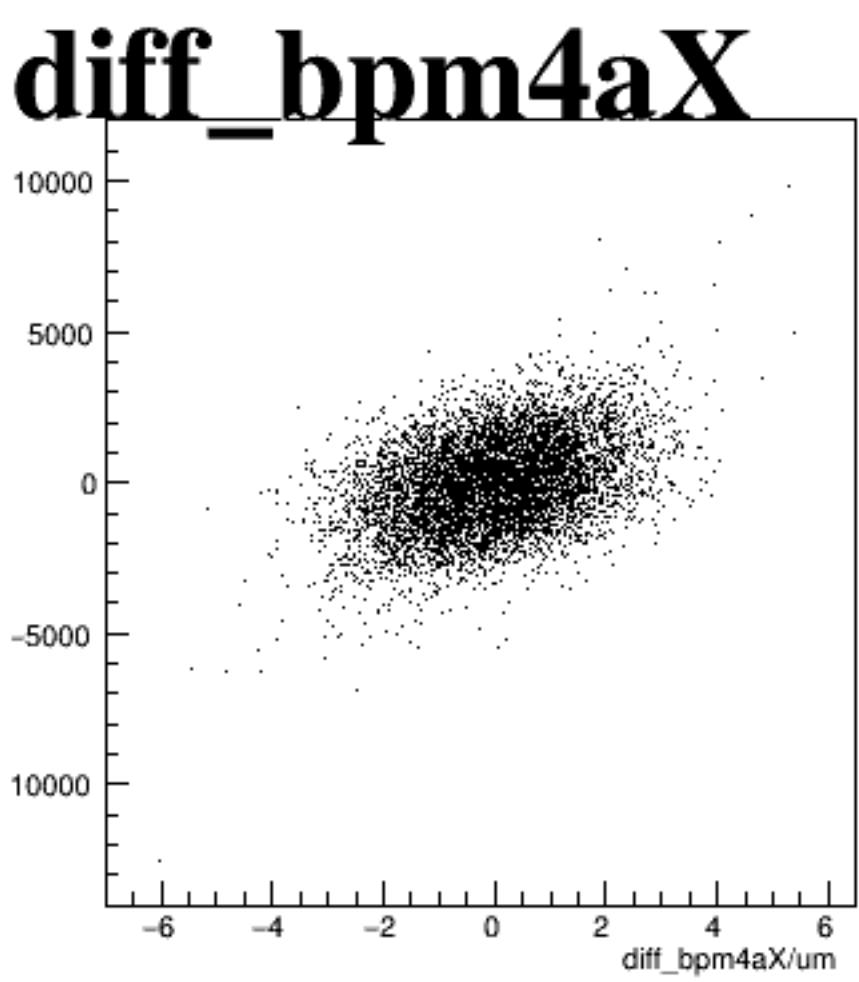
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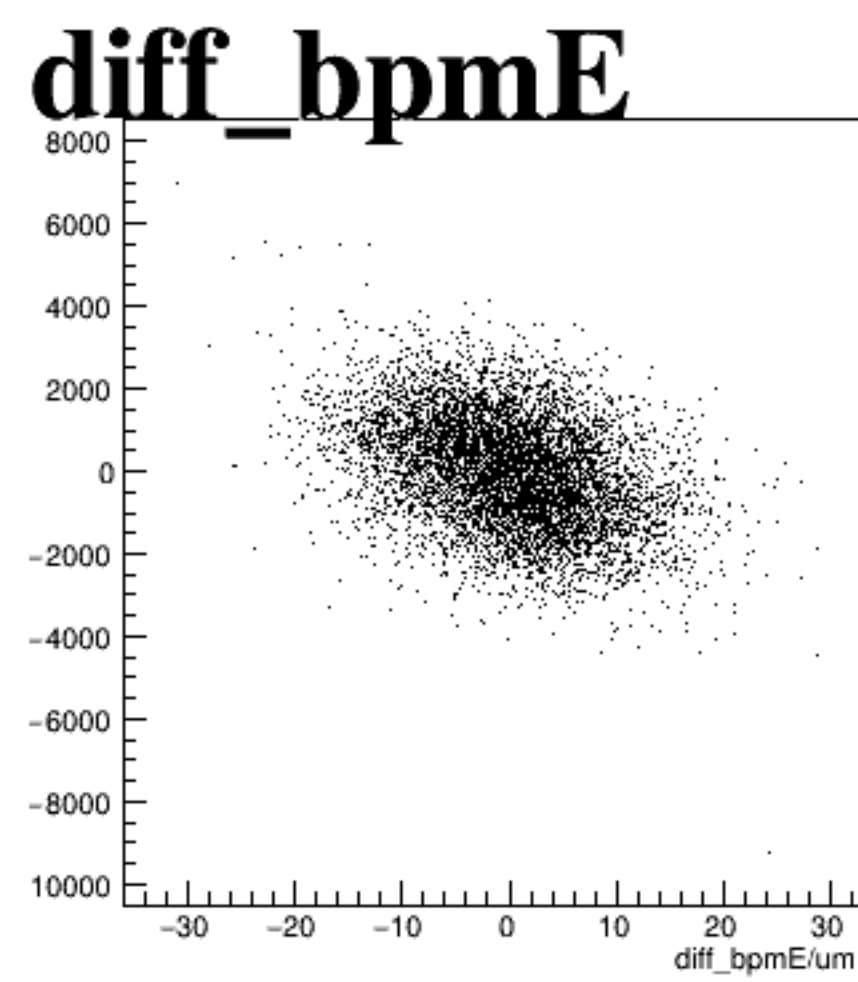
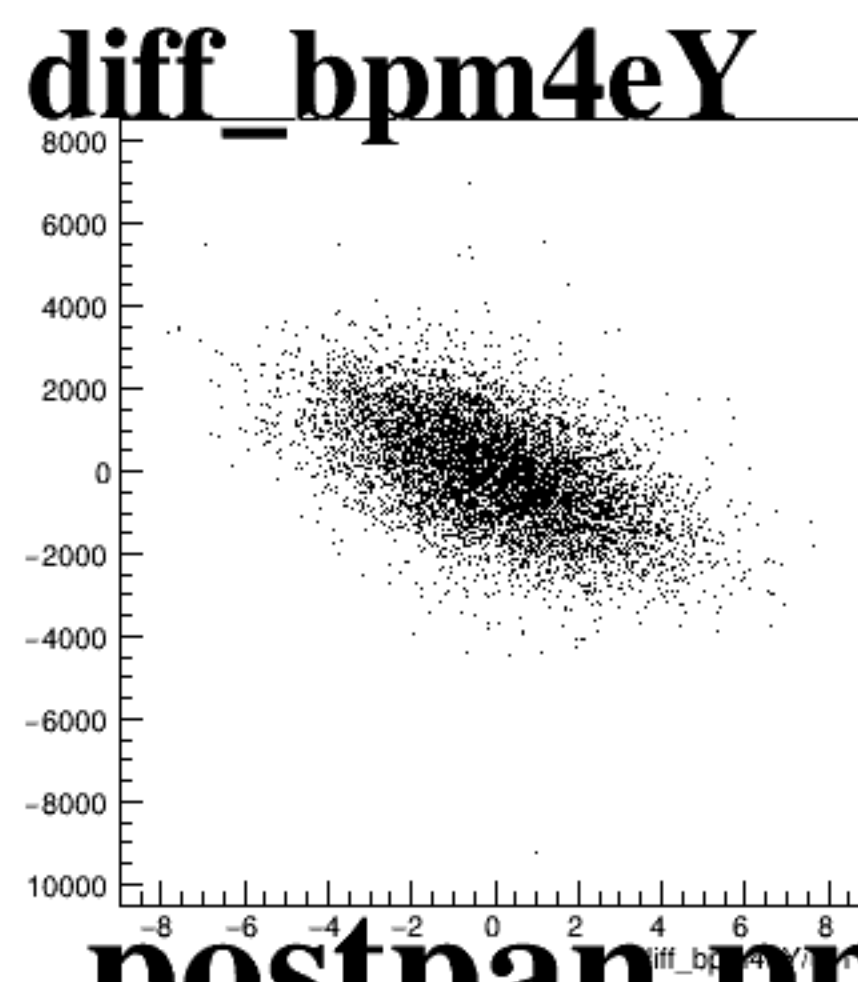
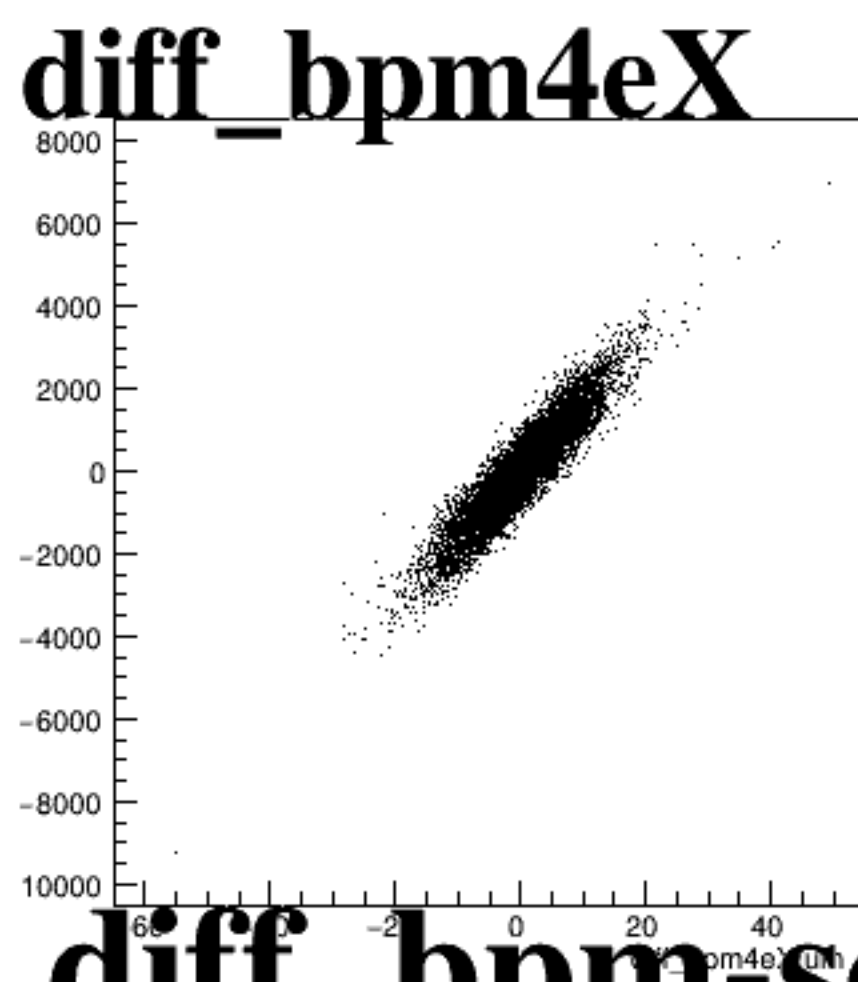
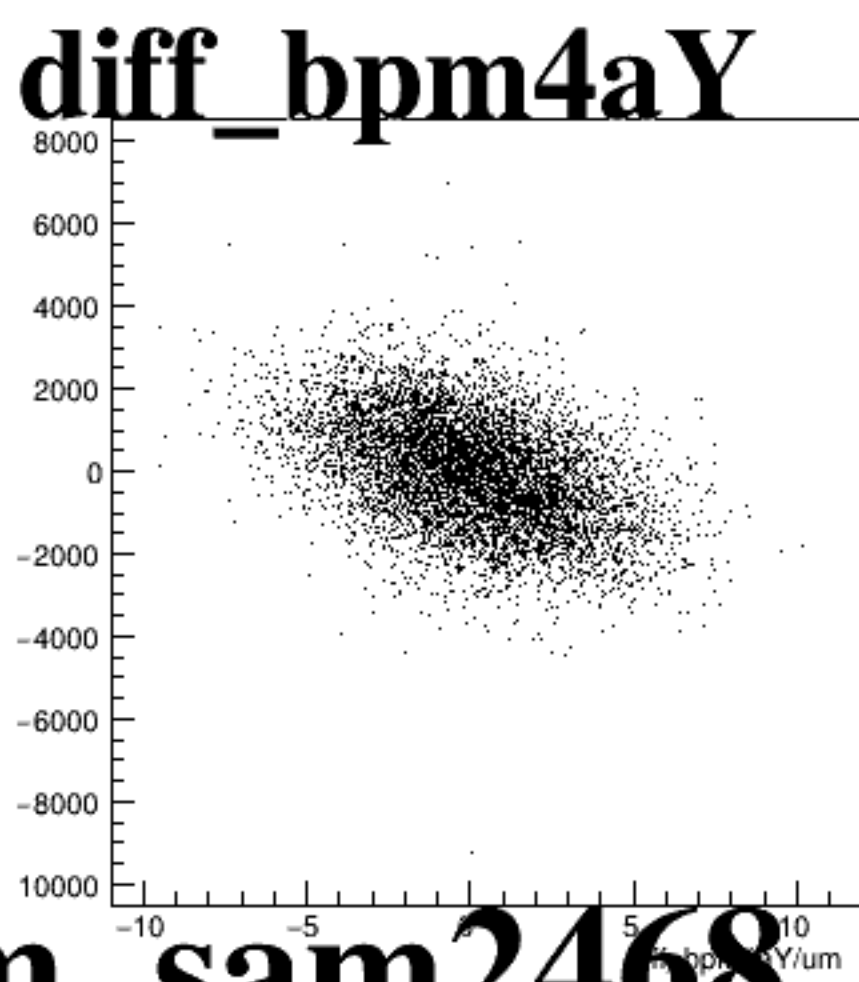
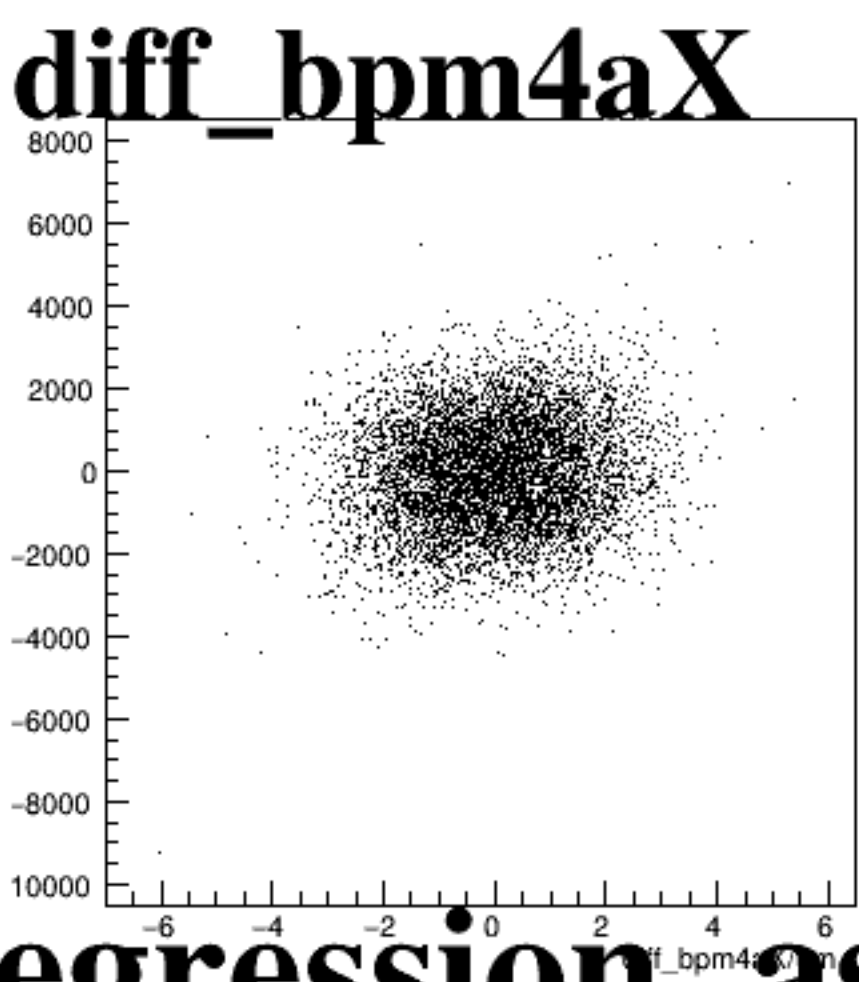
asym_sam4



asym_sam6



asym_sam8



diff_bpm4aX

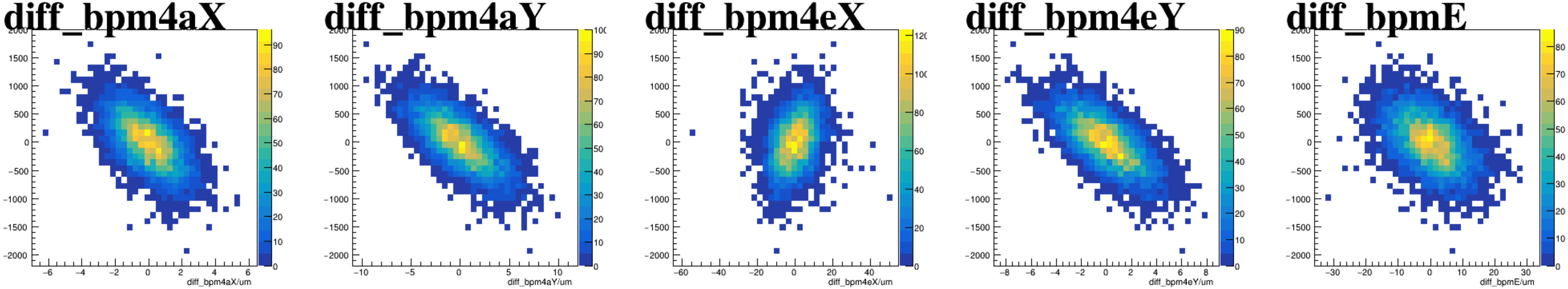
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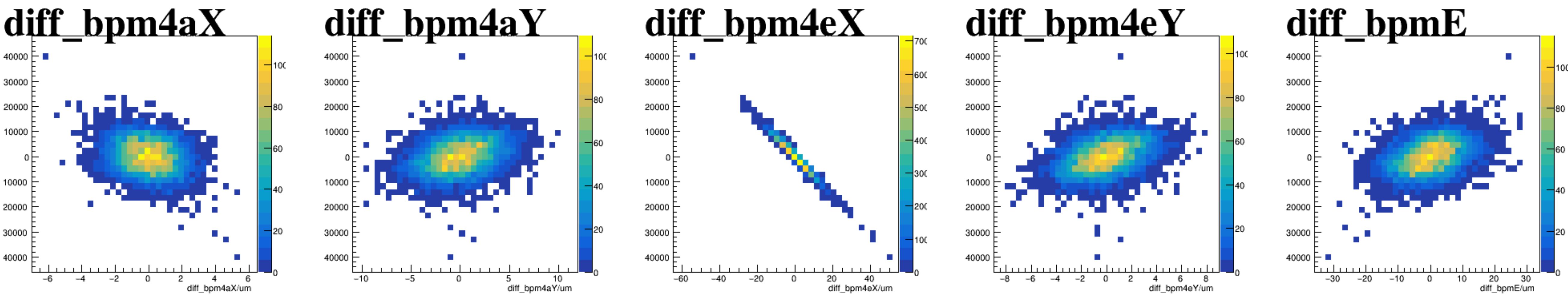
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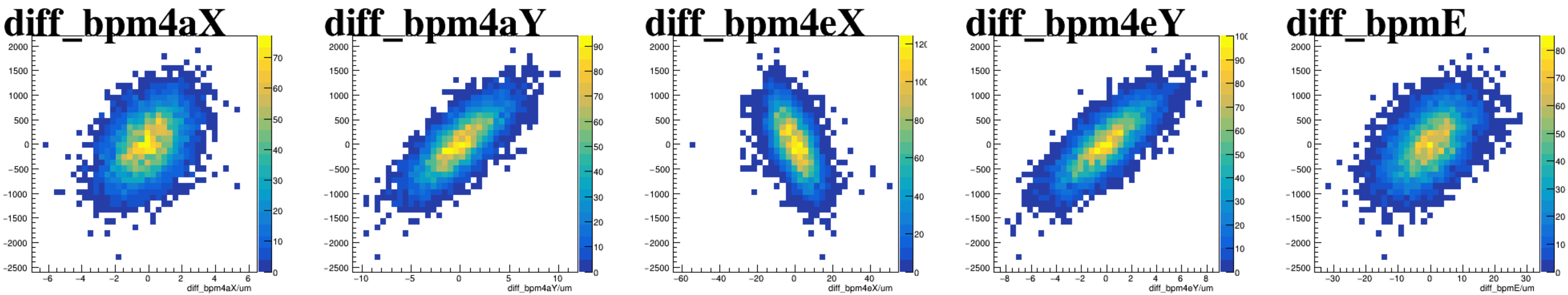
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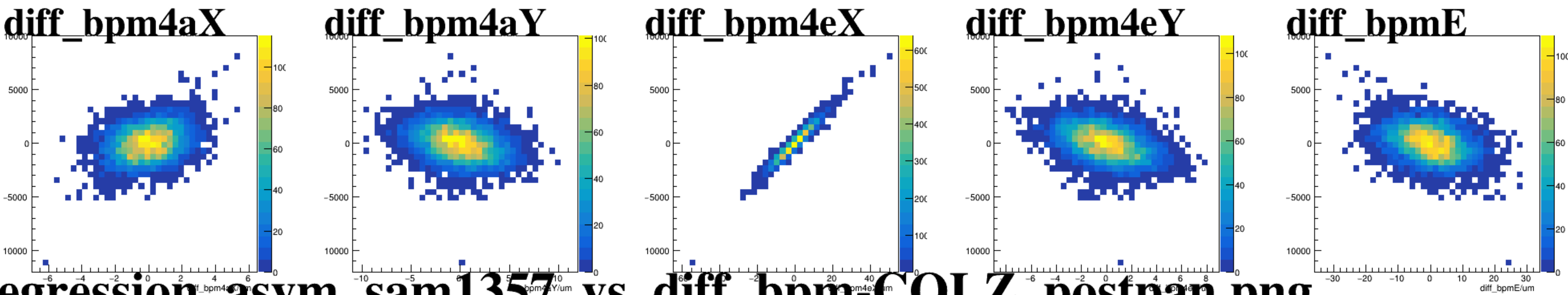
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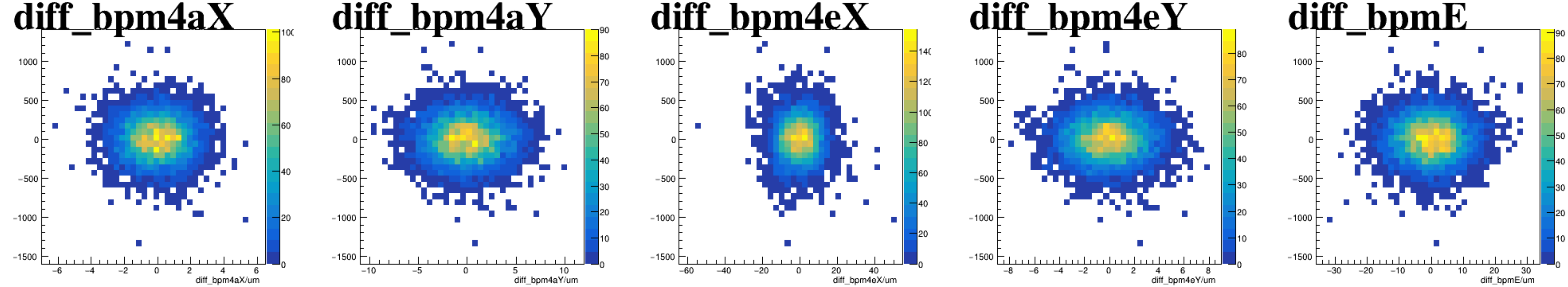
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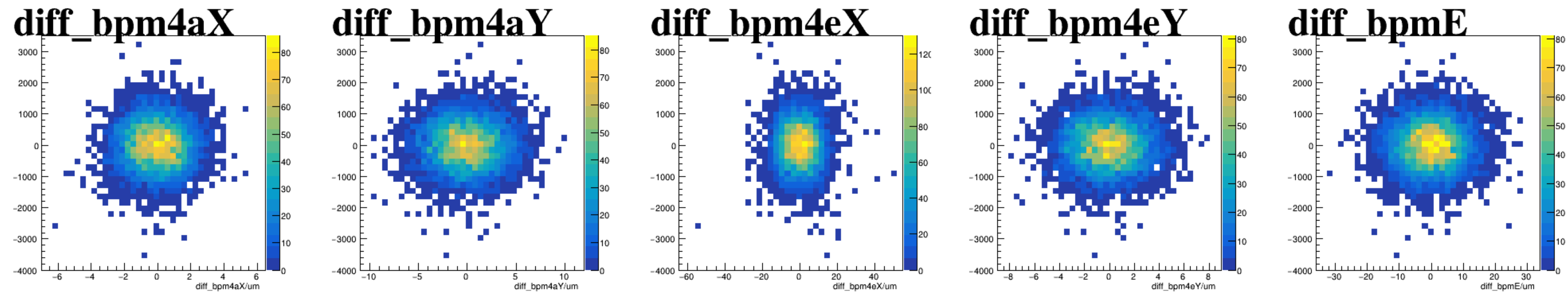
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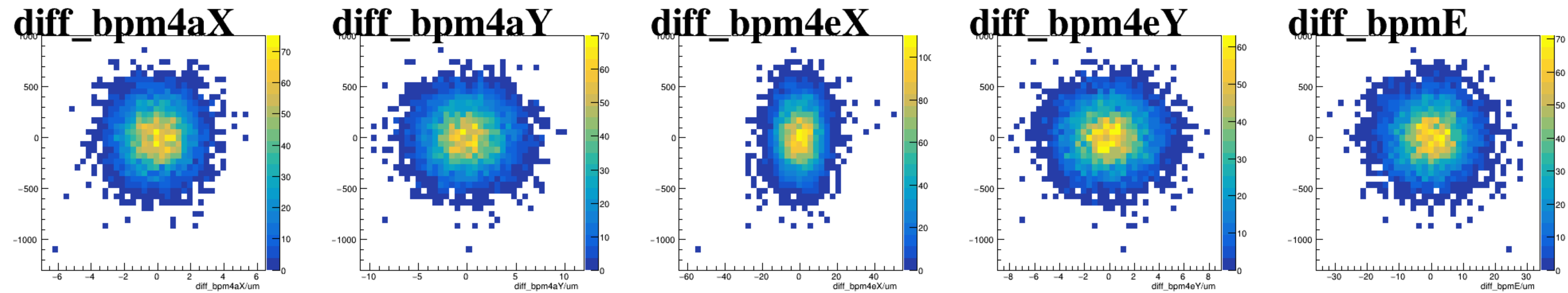
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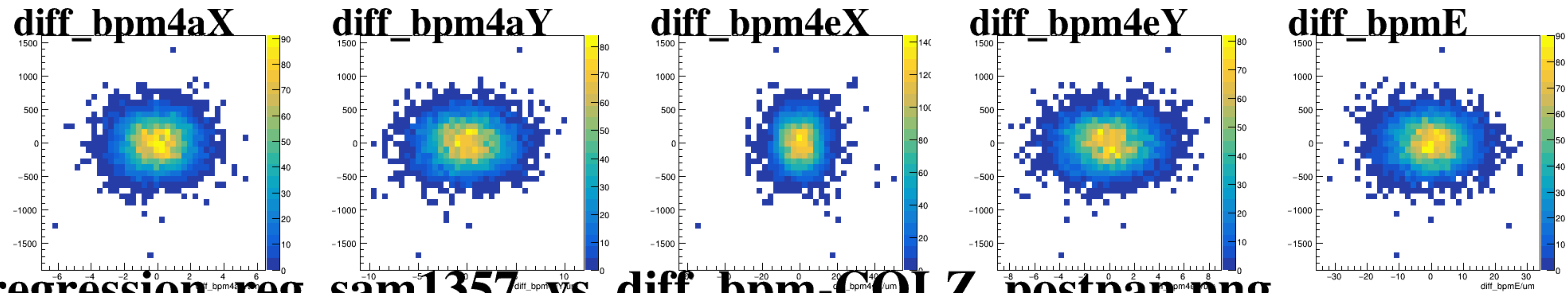
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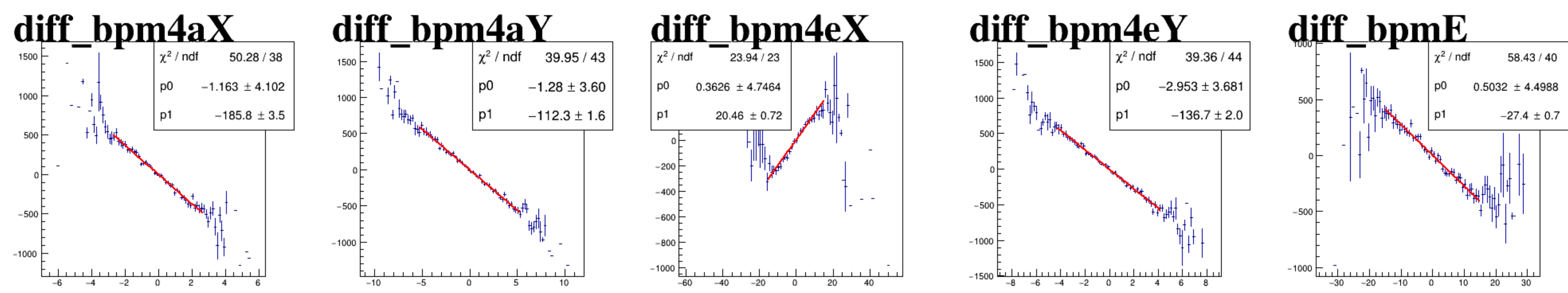
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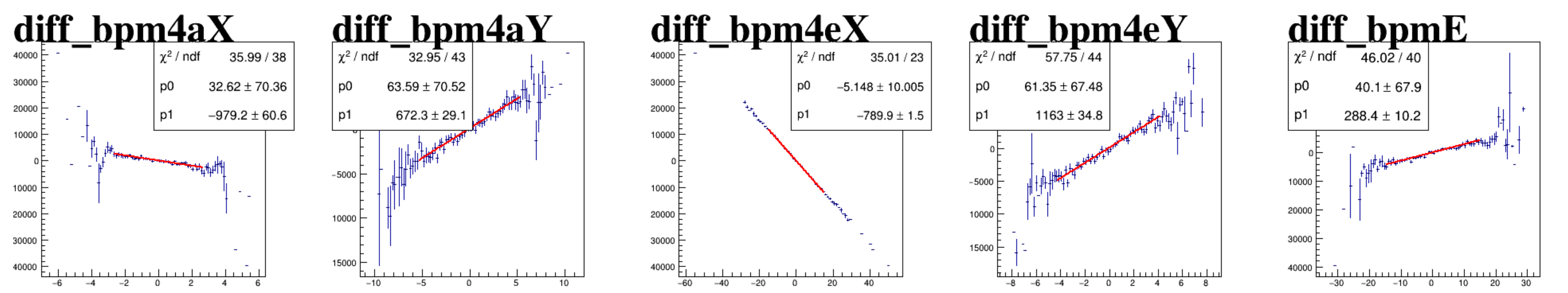
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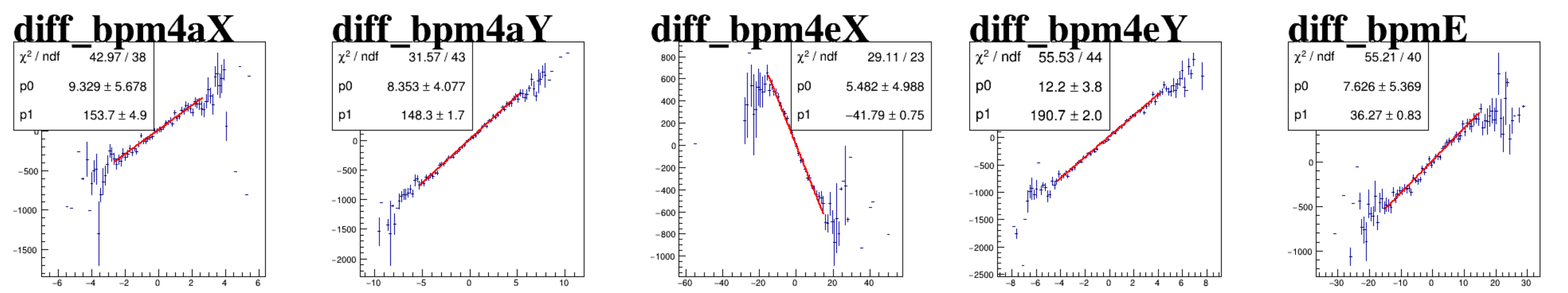
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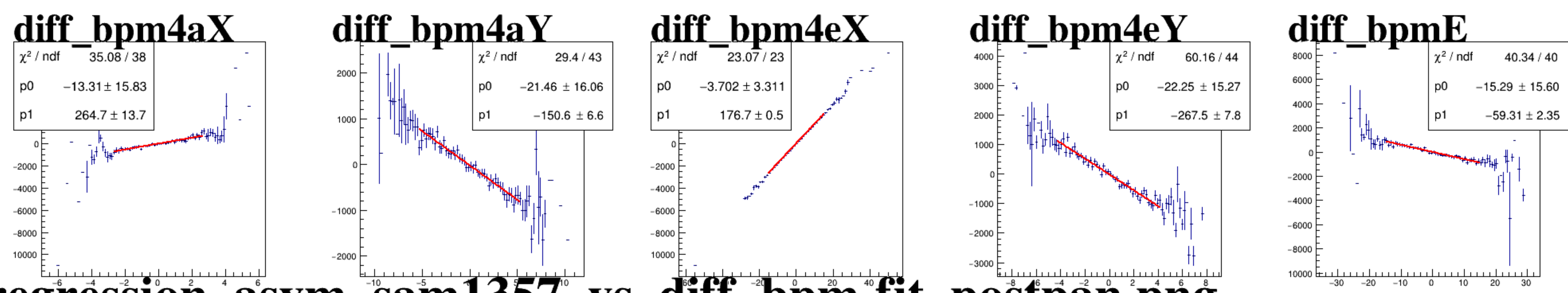
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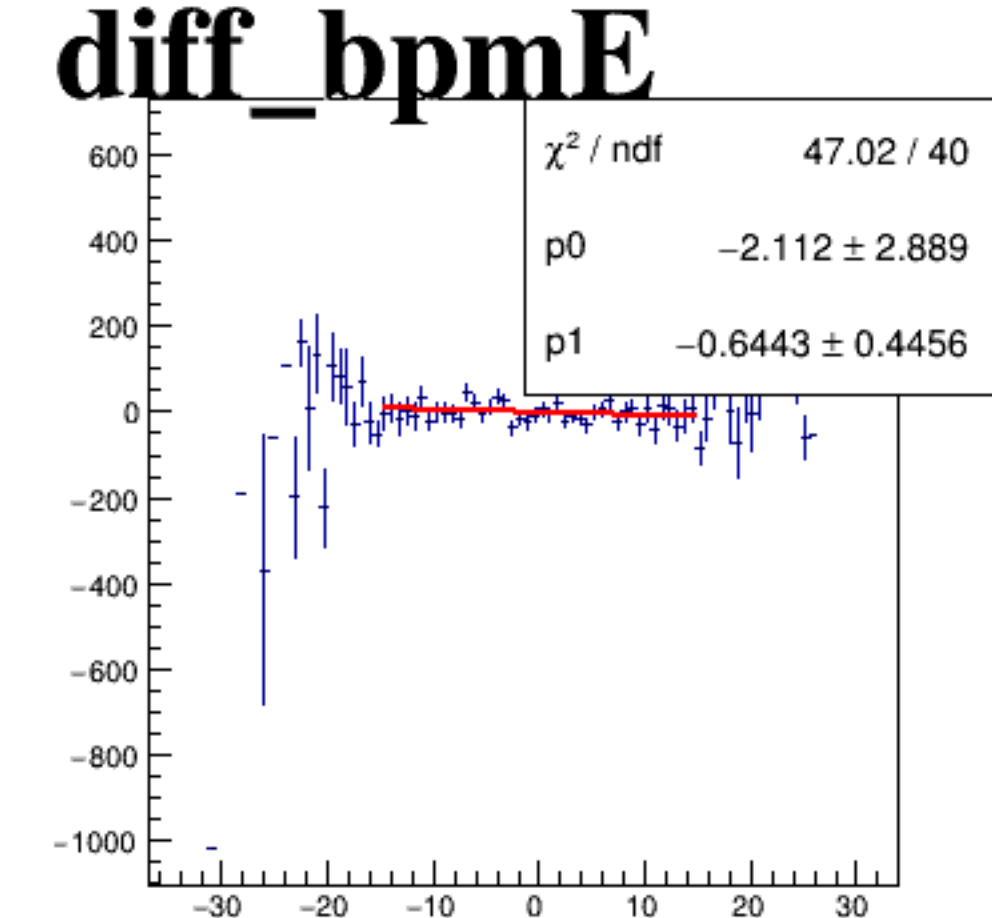
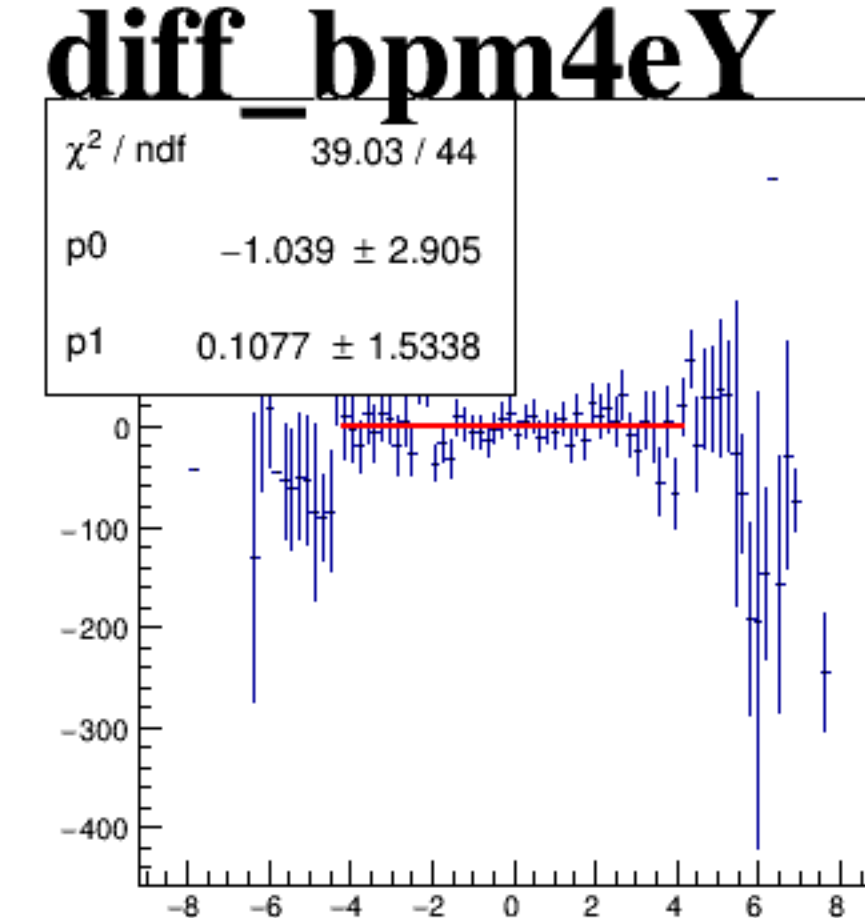
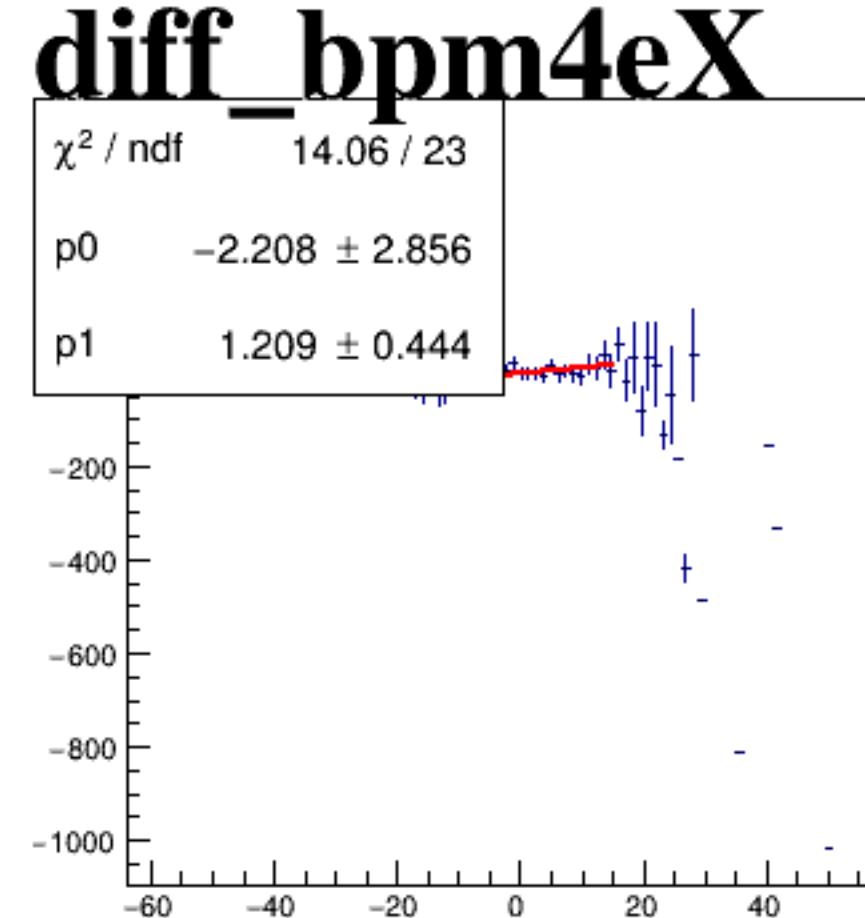
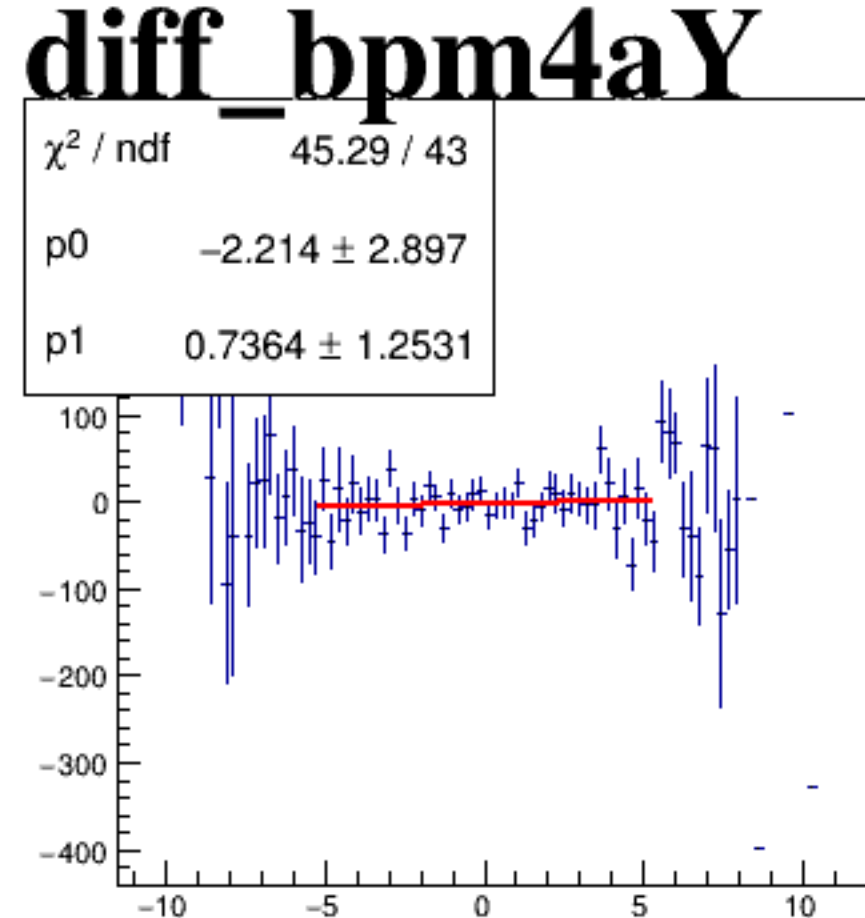
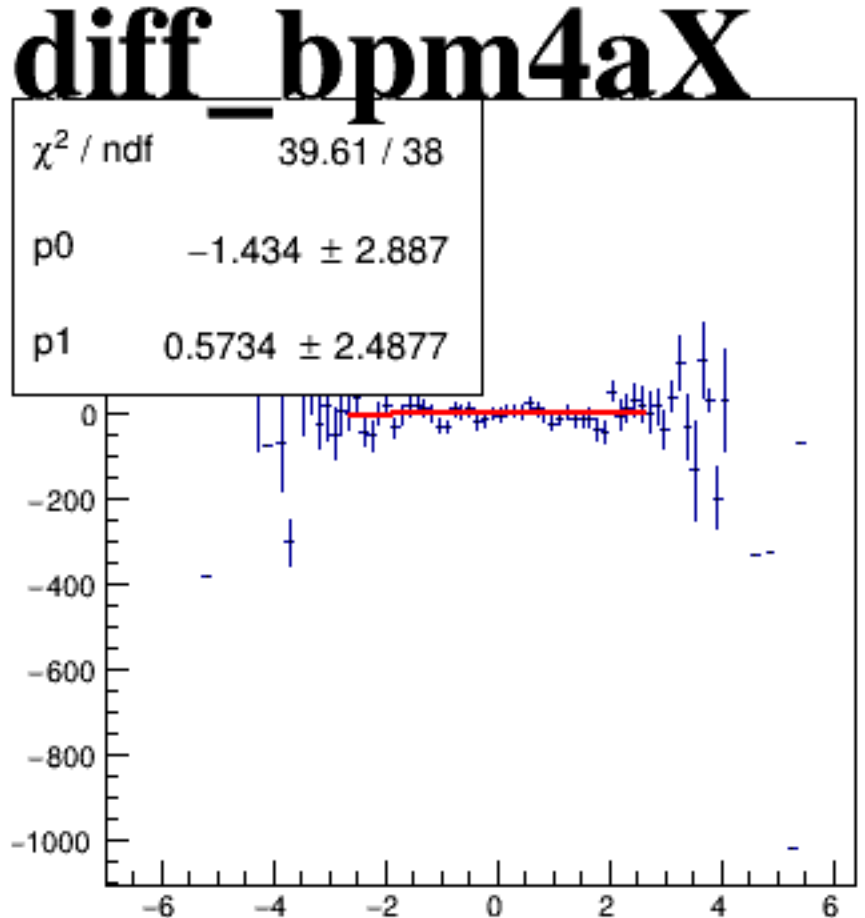
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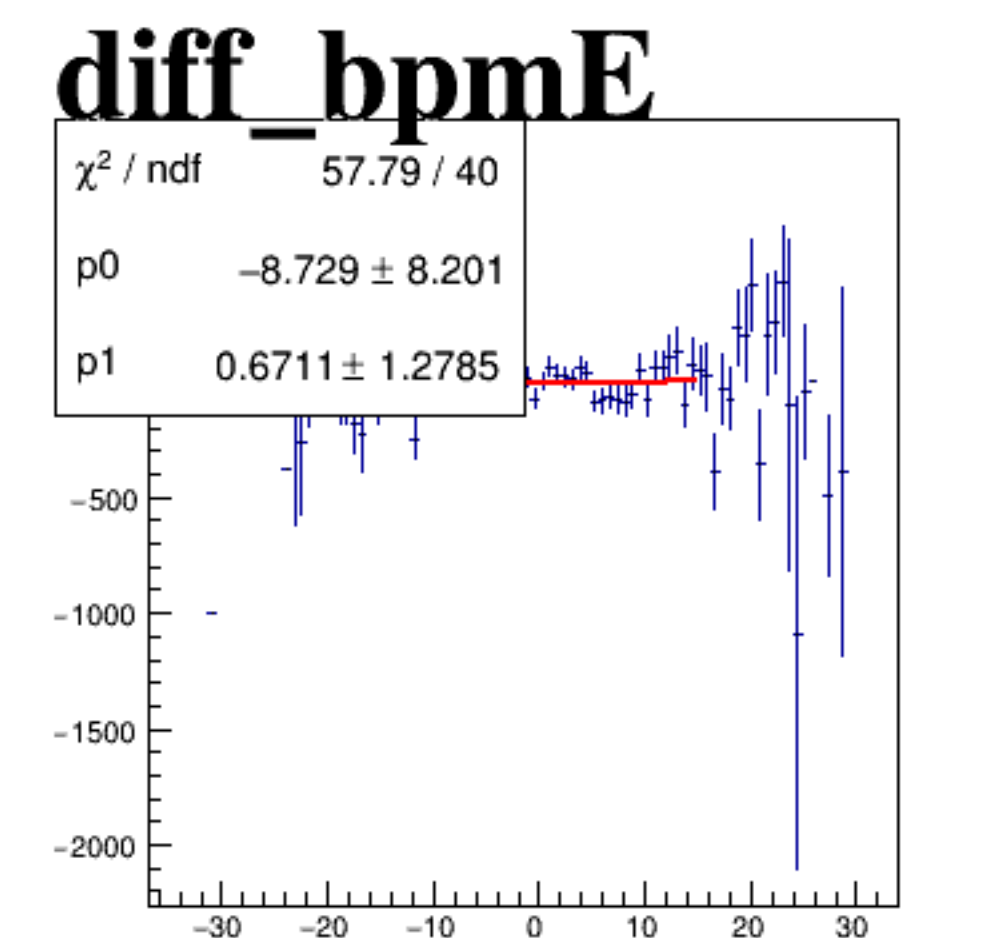
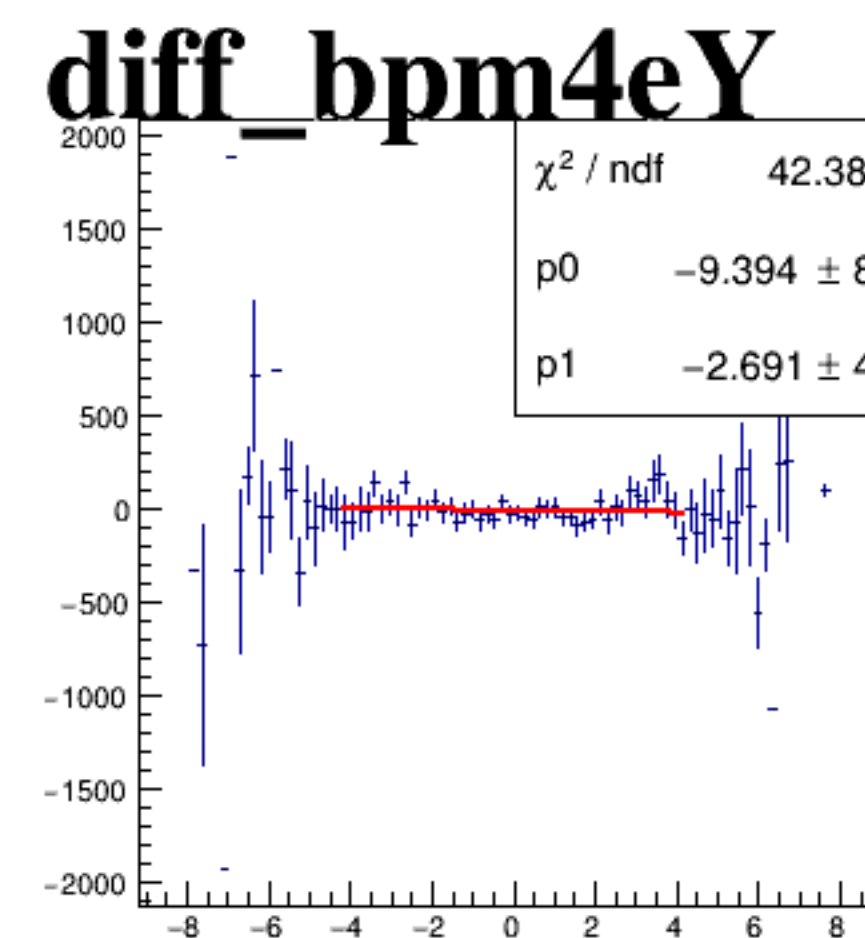
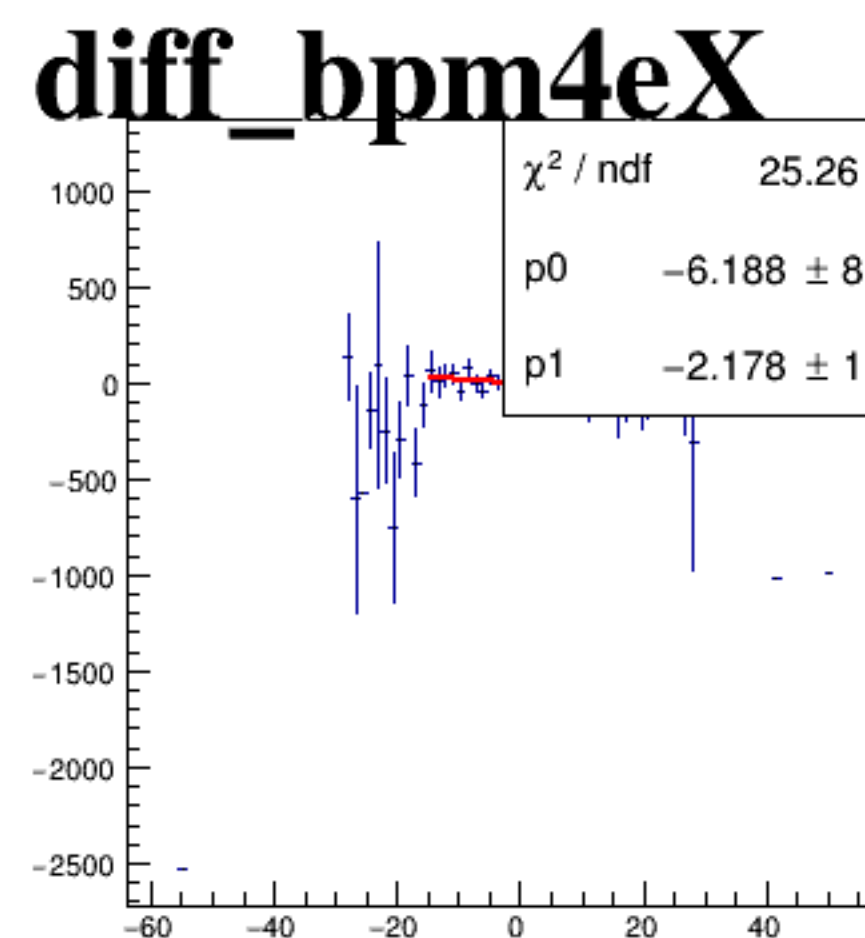
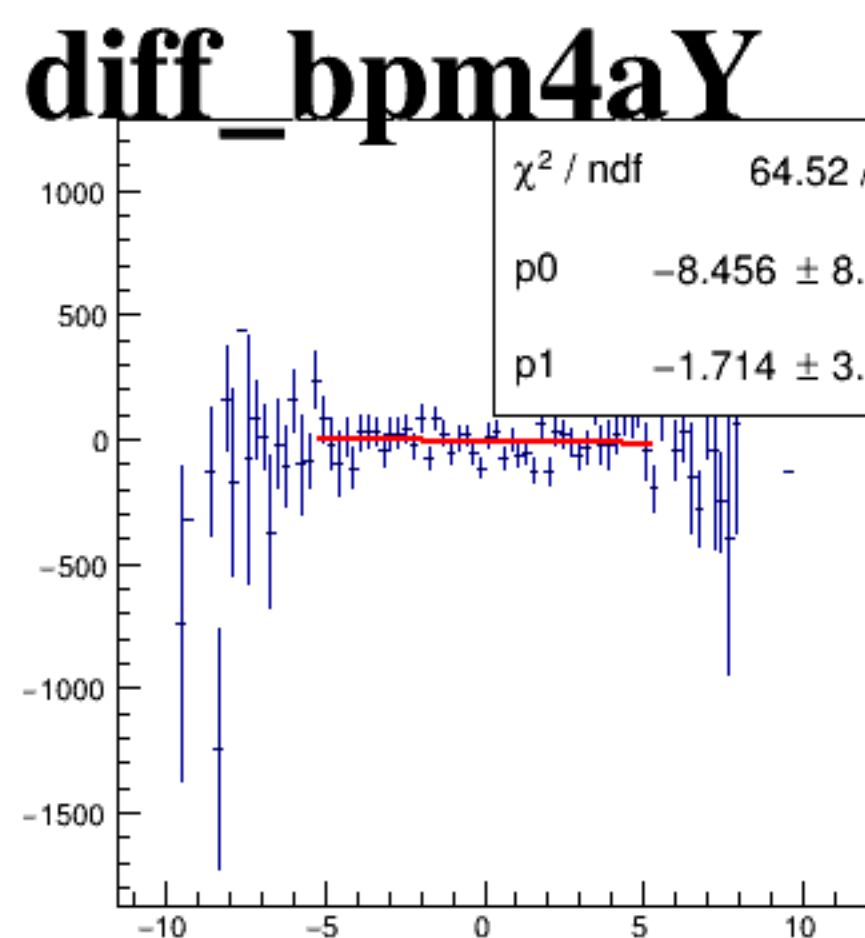
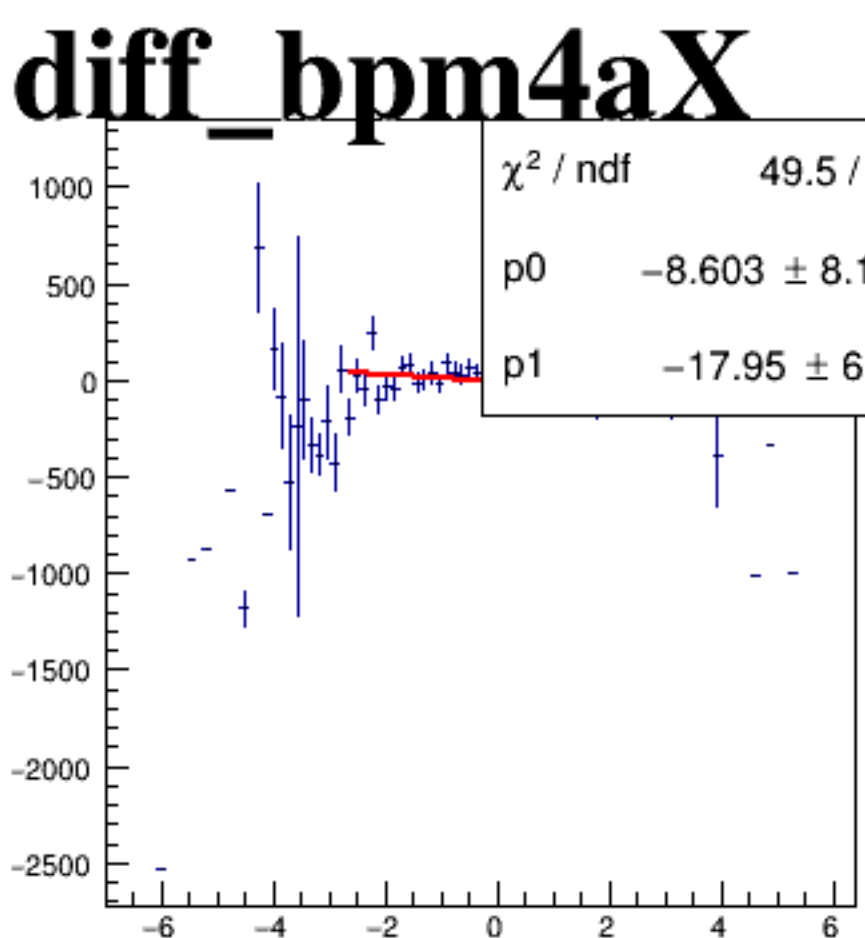
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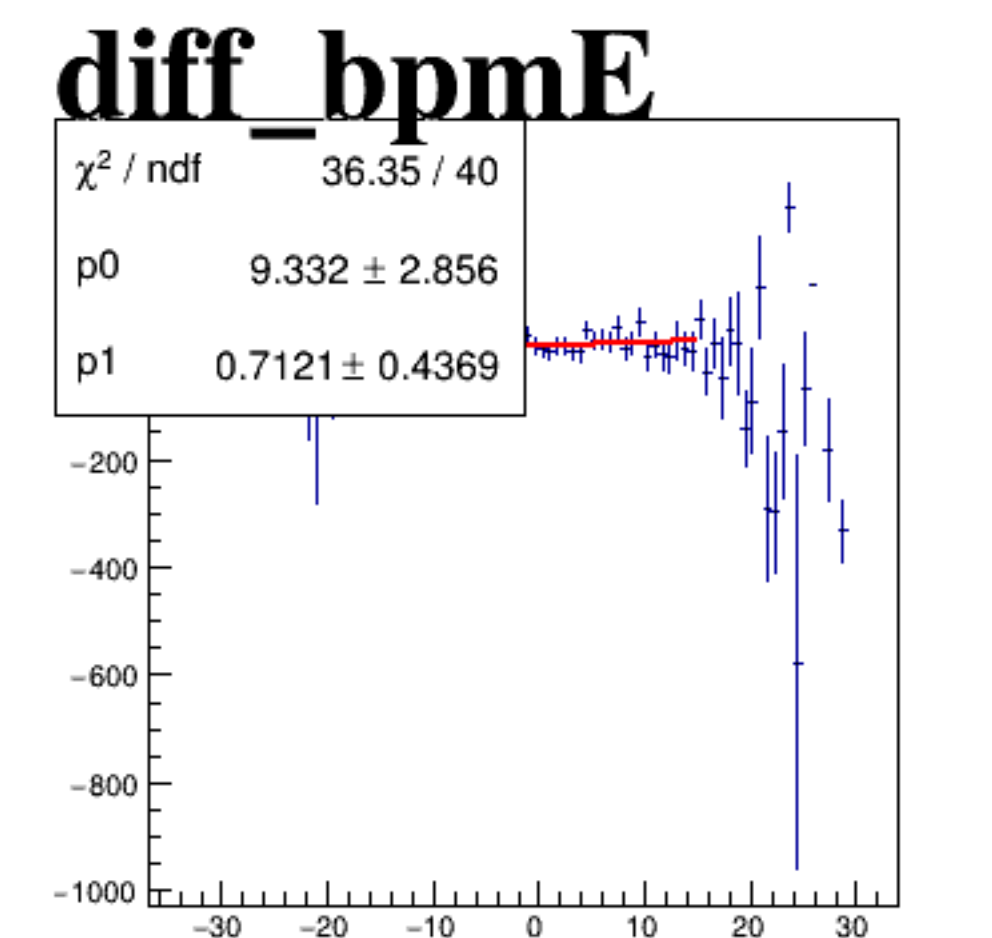
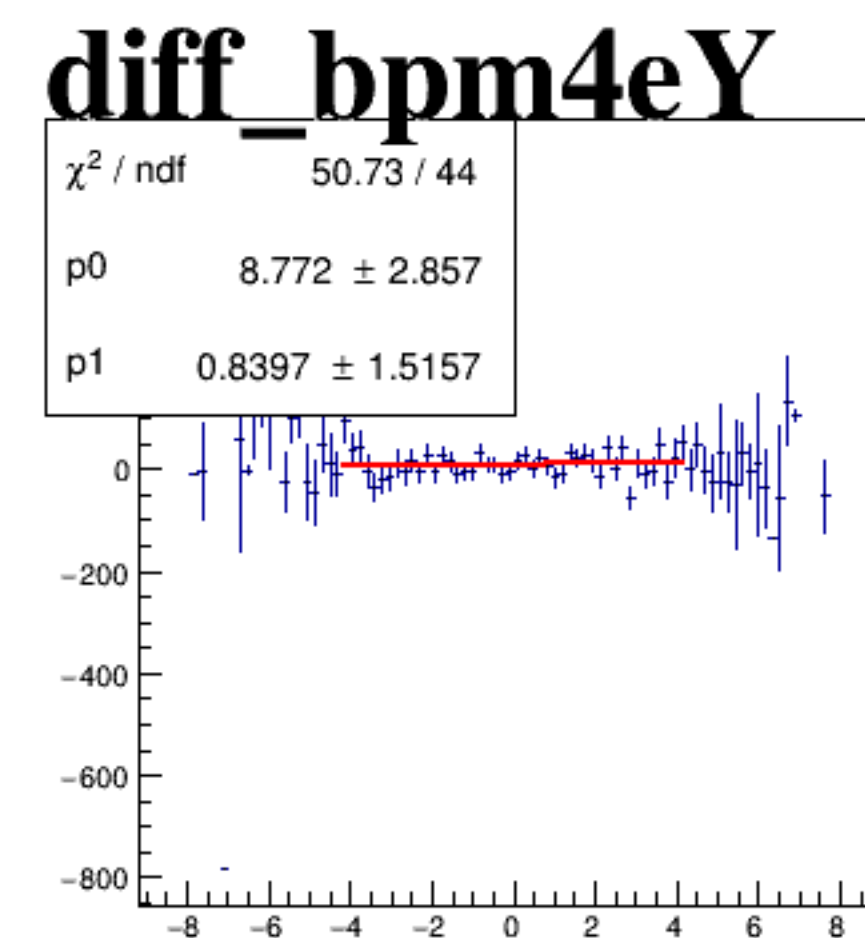
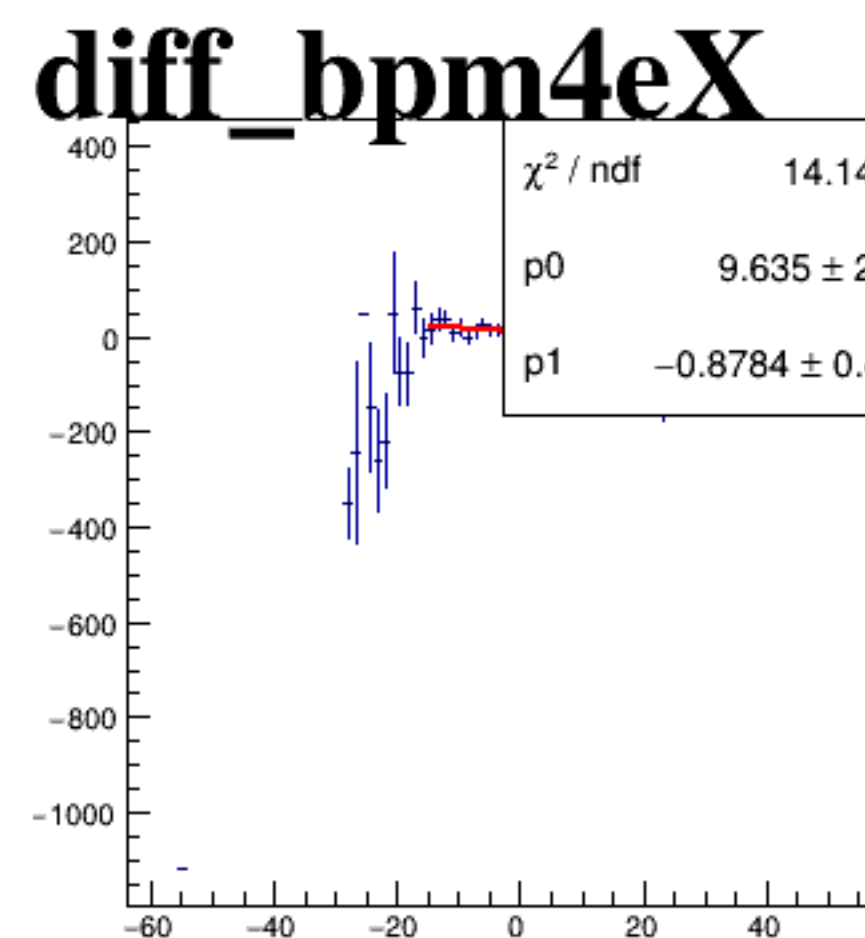
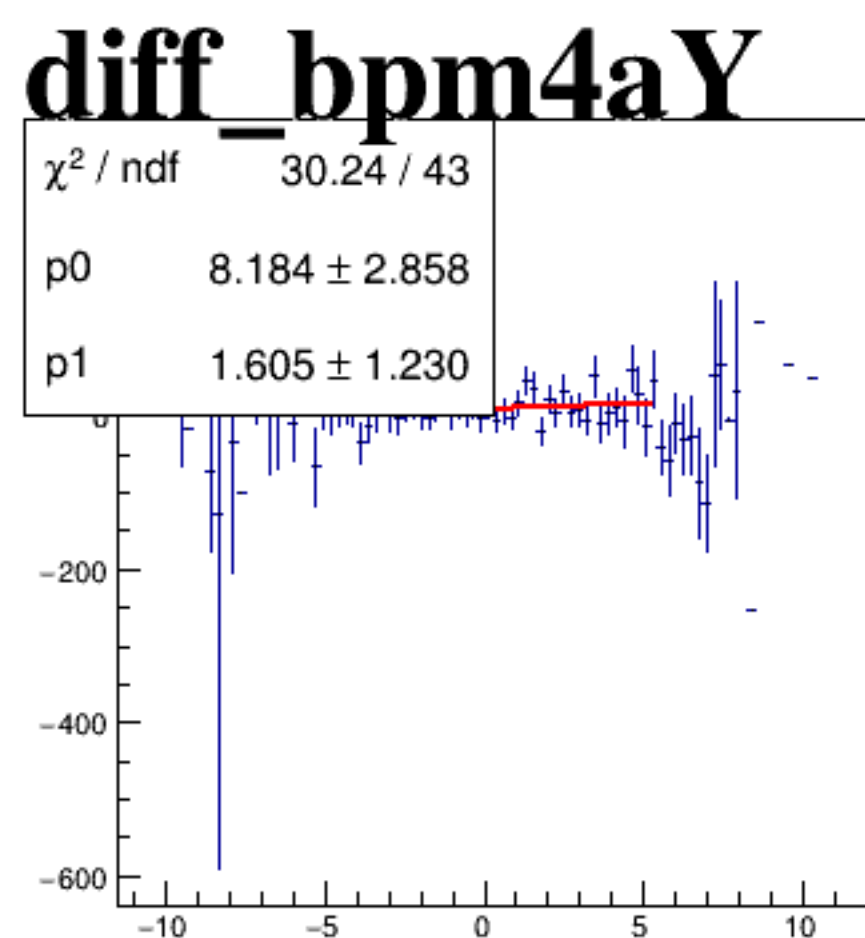
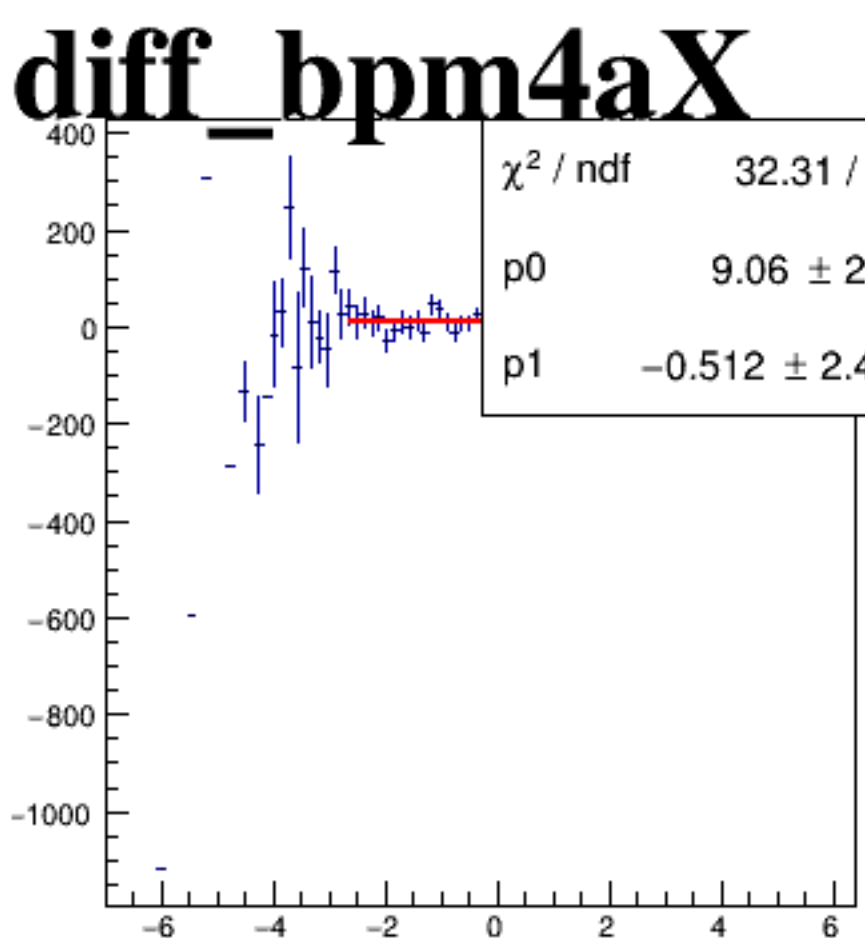
reg_asym_sam1



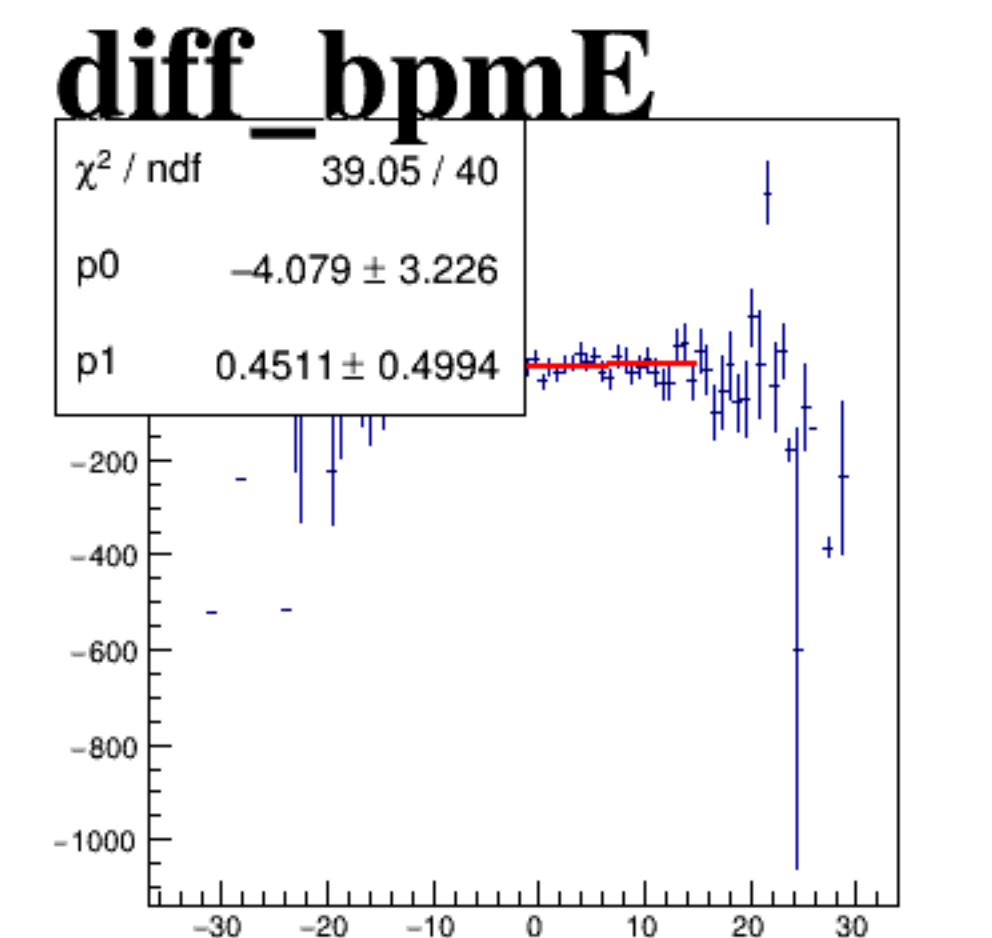
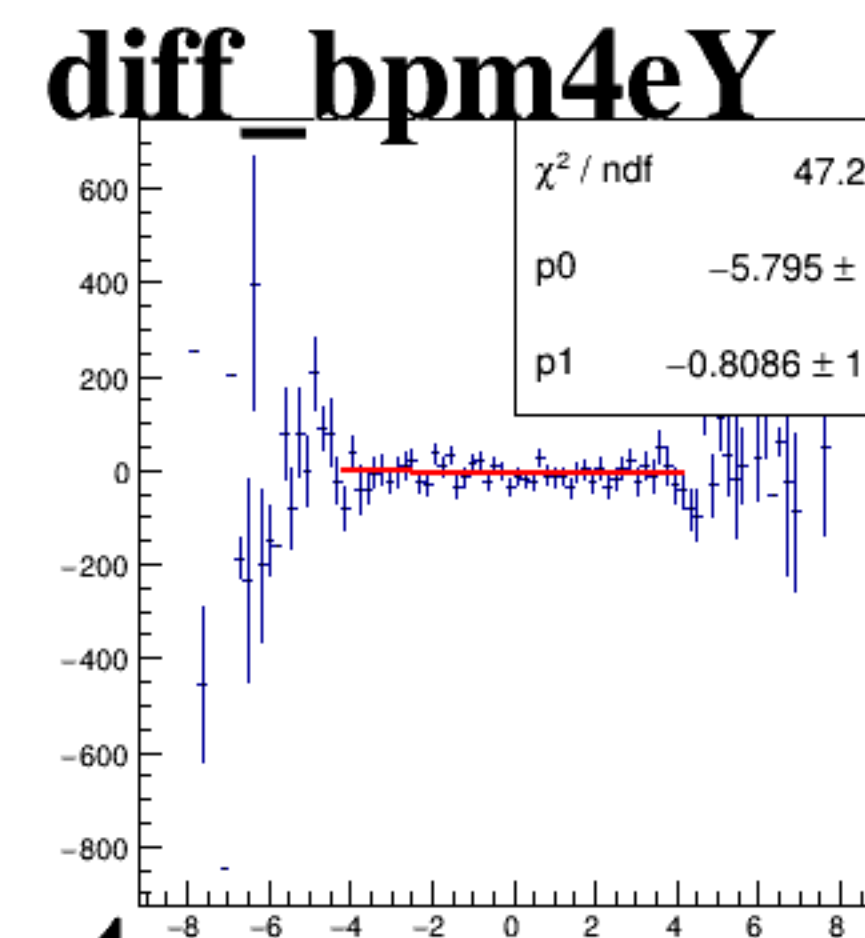
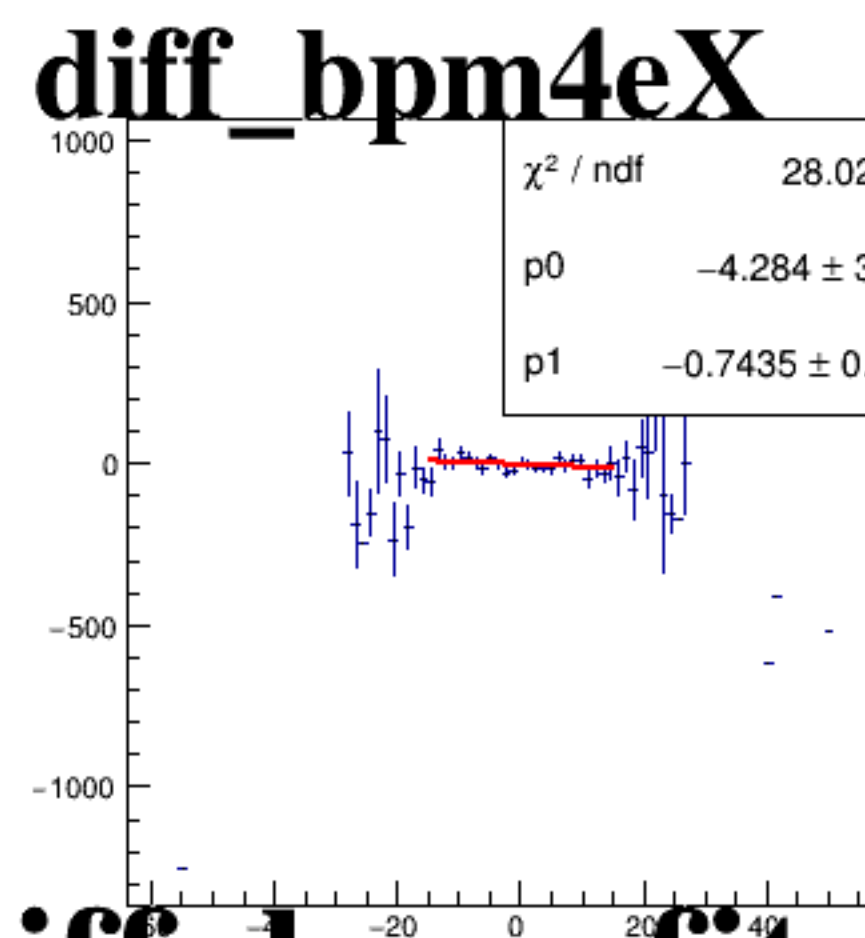
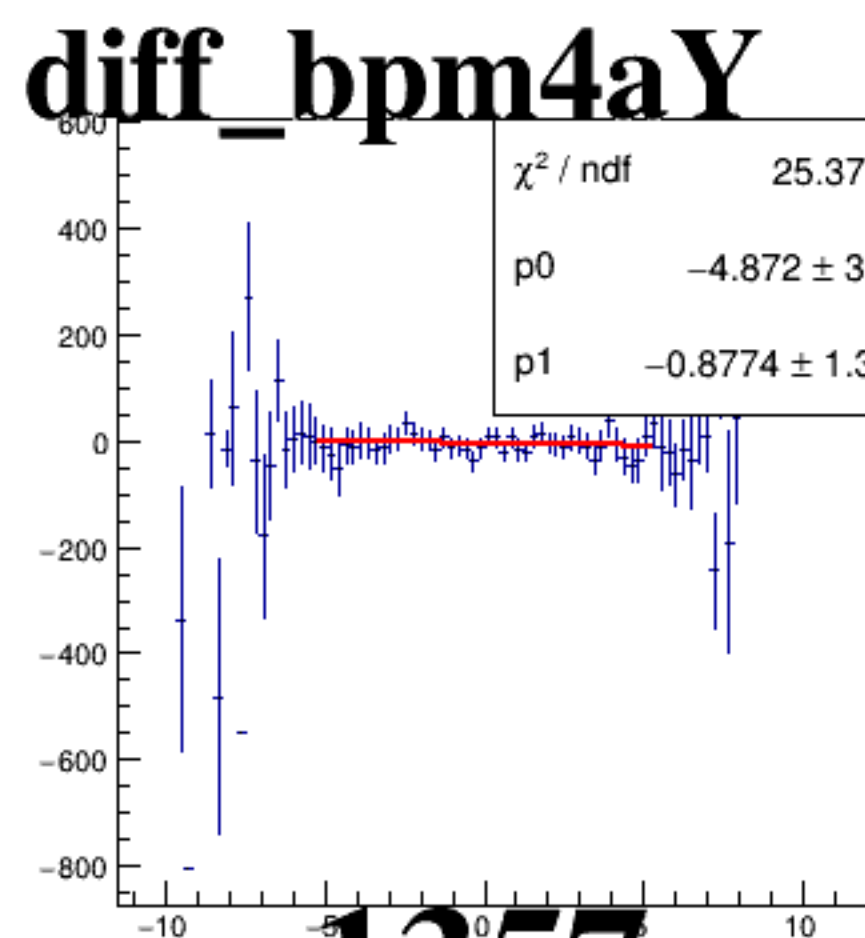
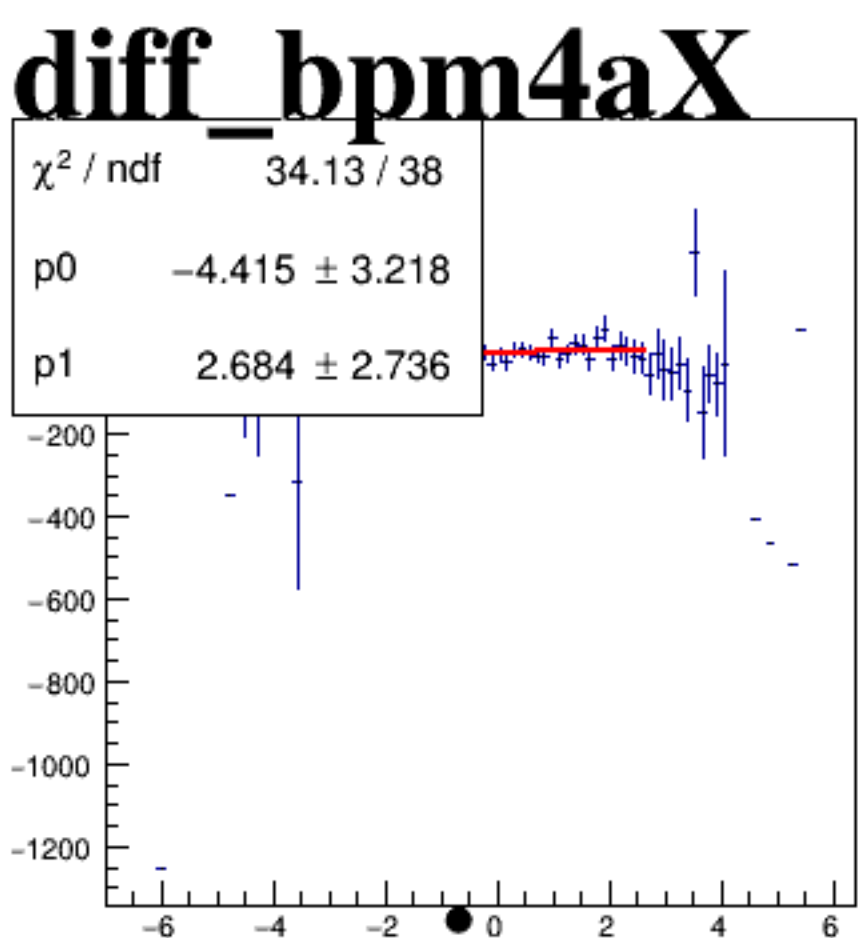
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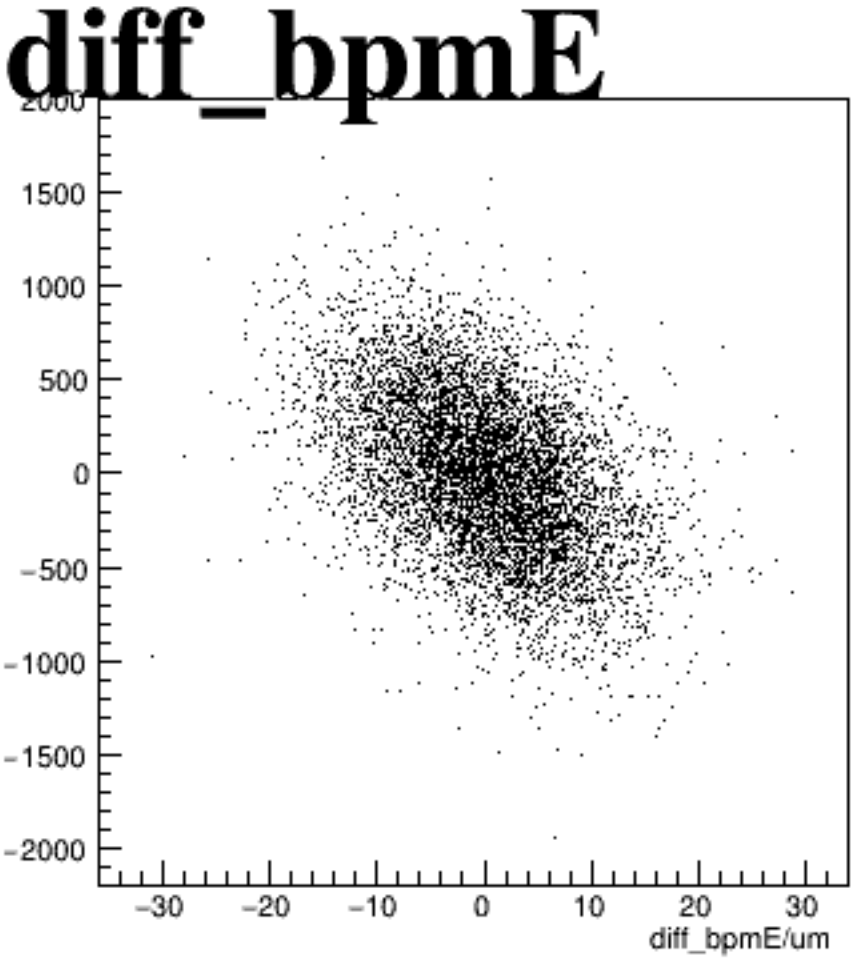
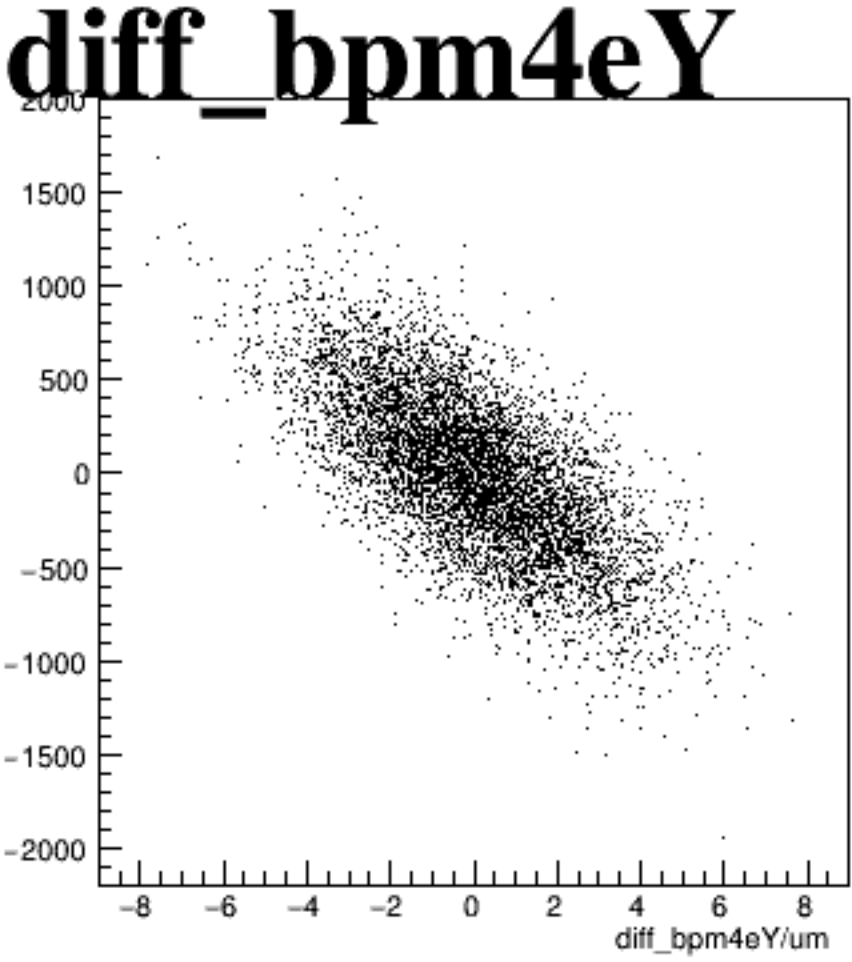
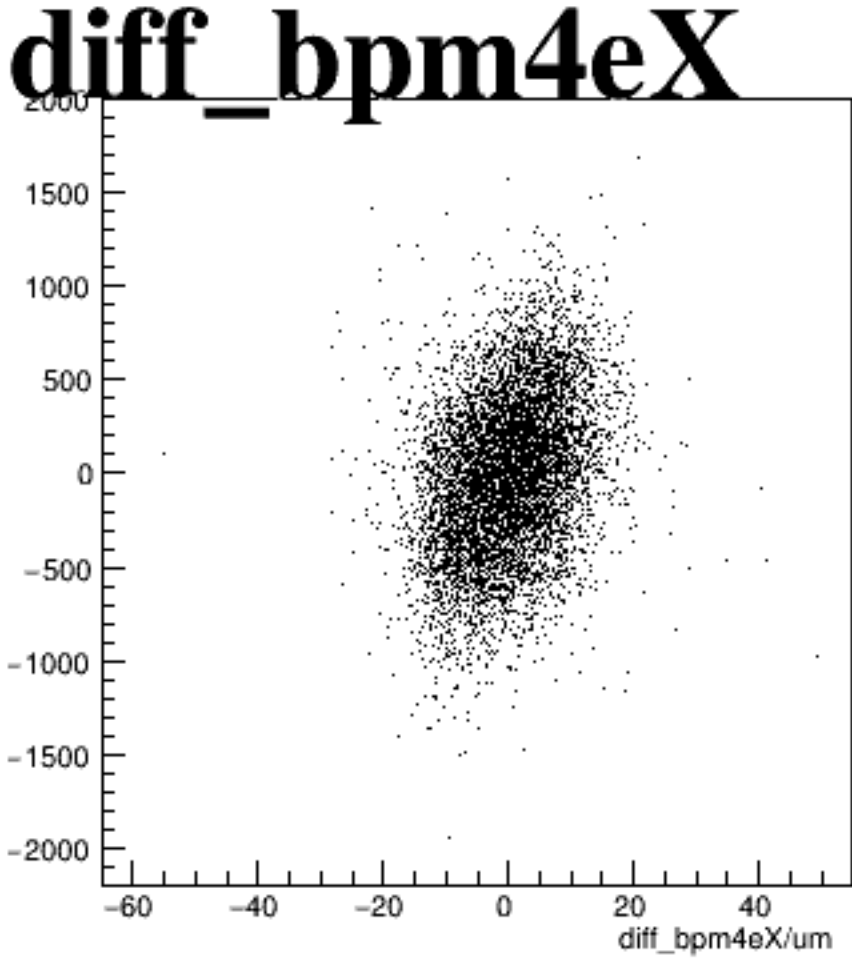
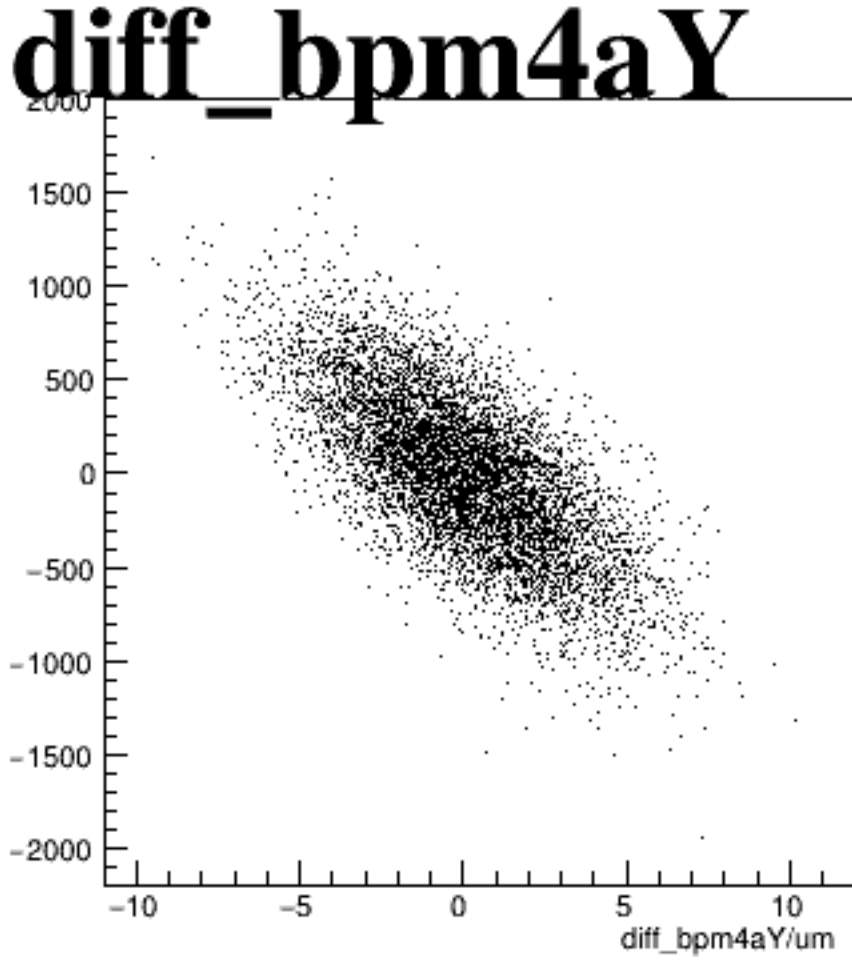
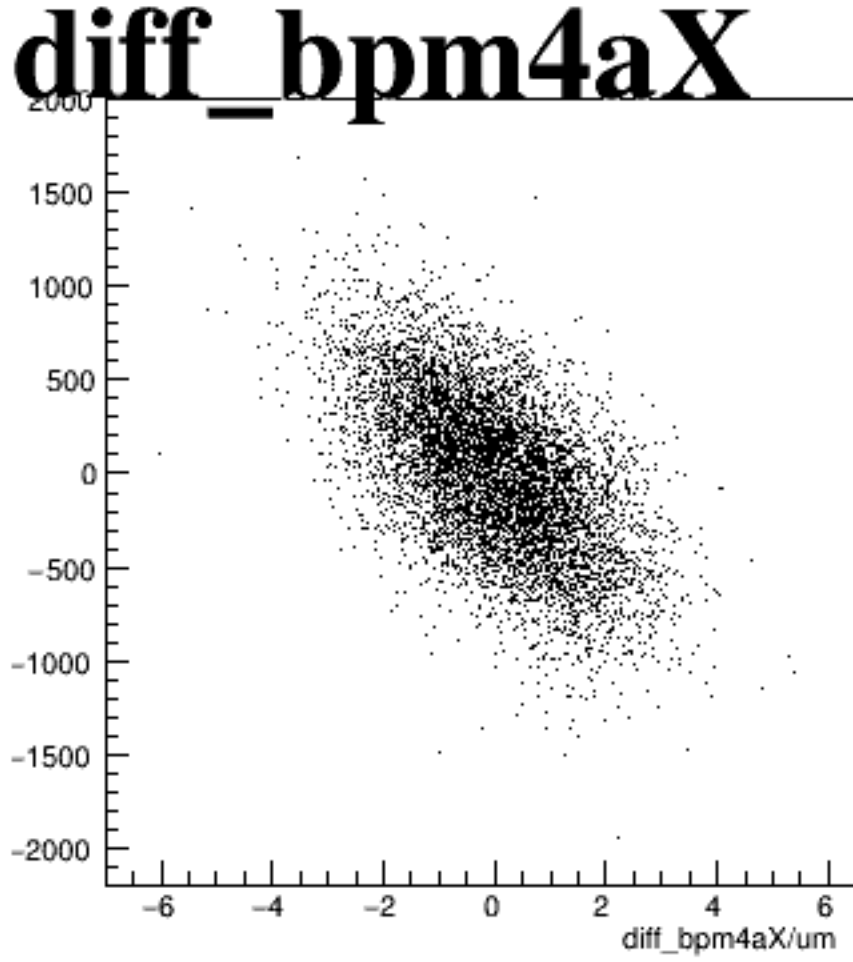
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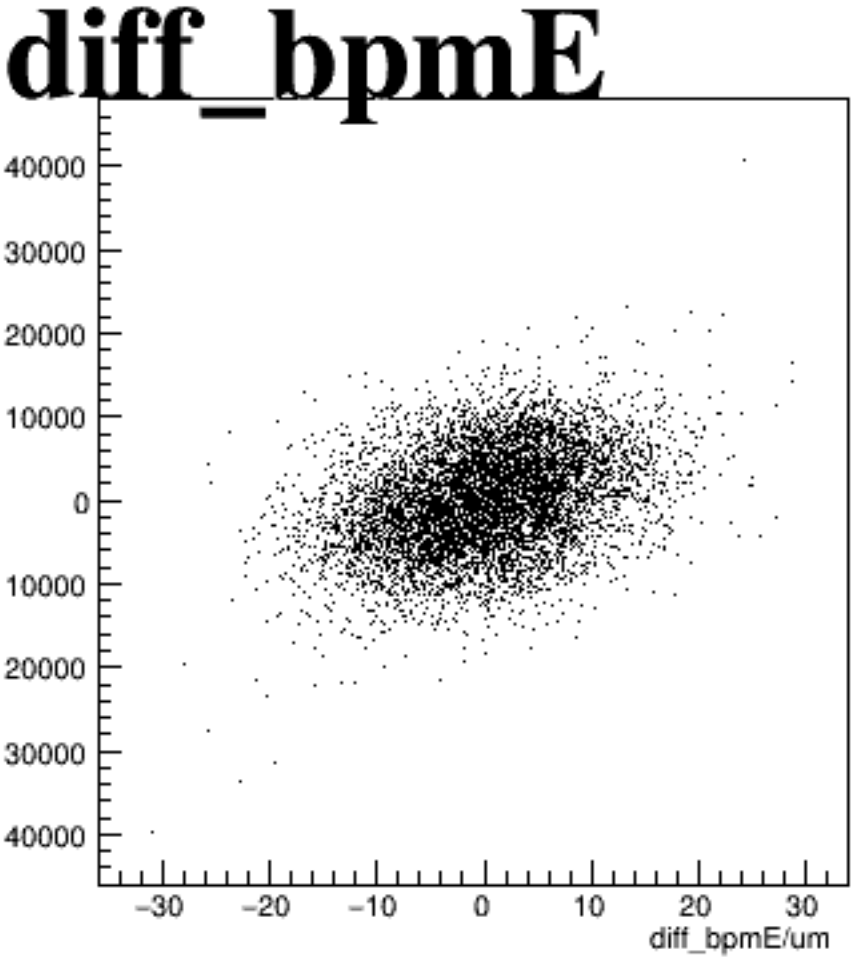
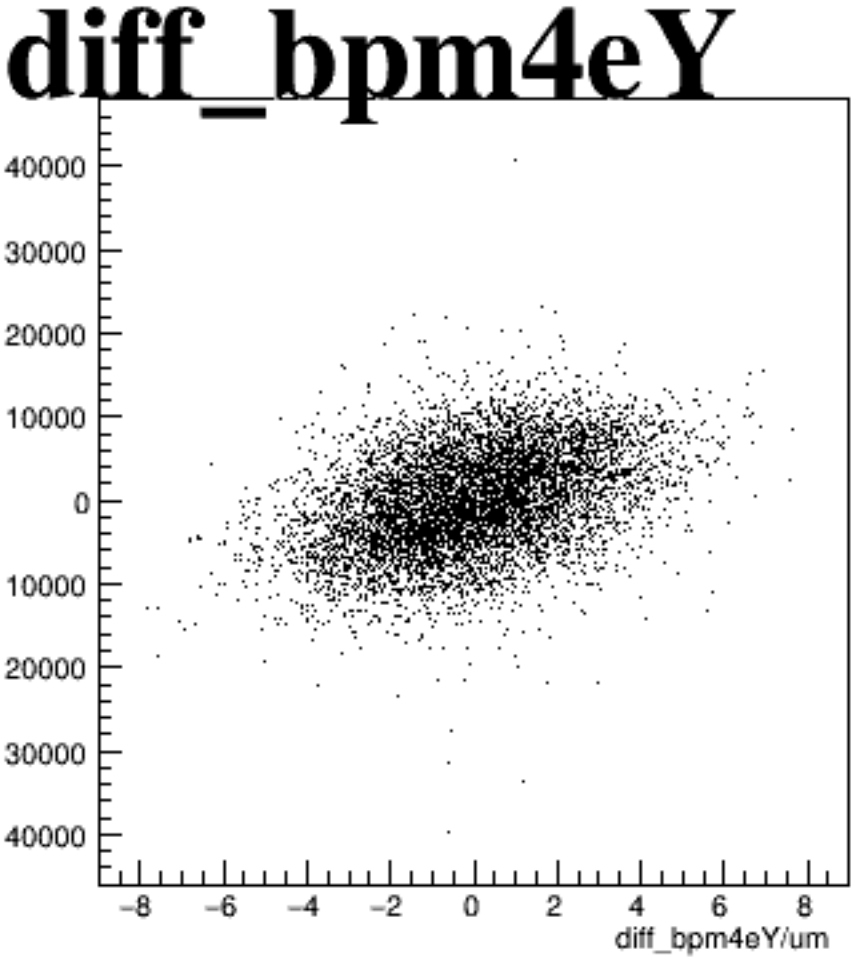
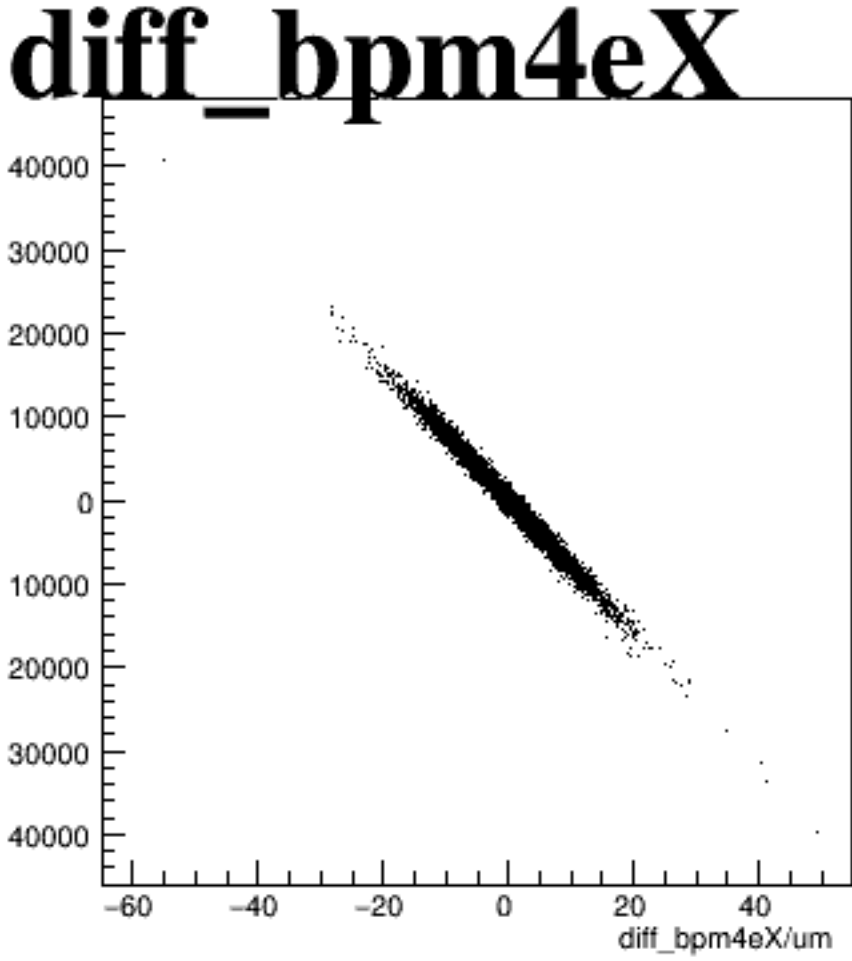
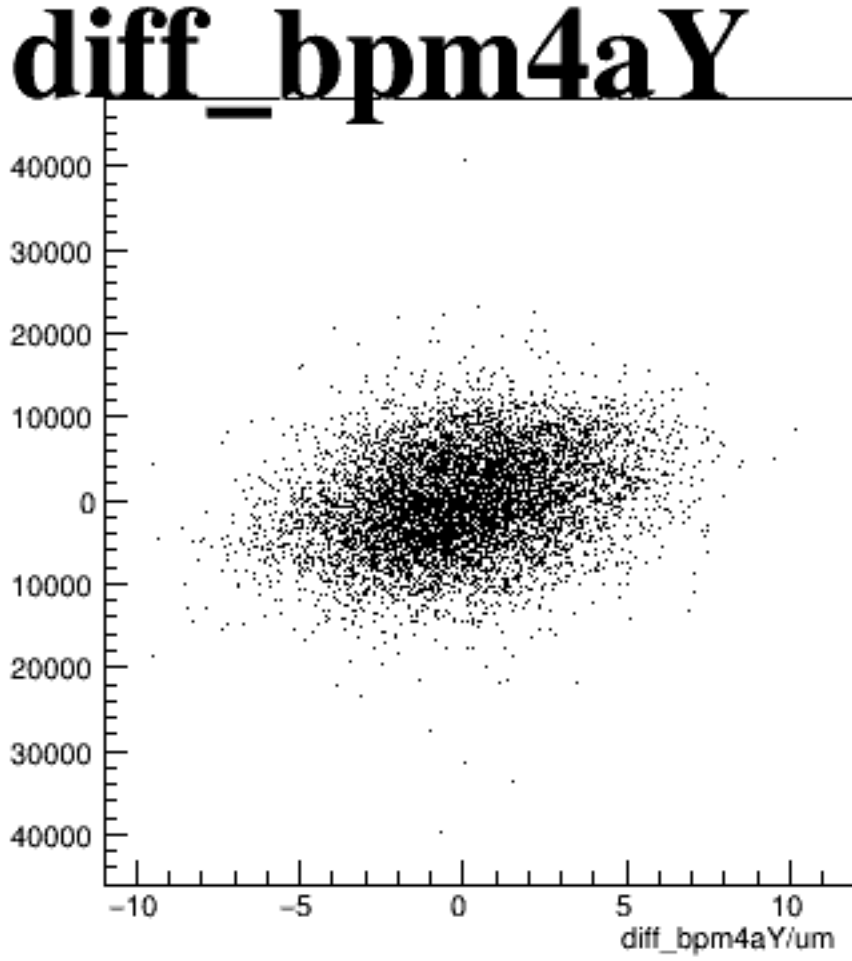
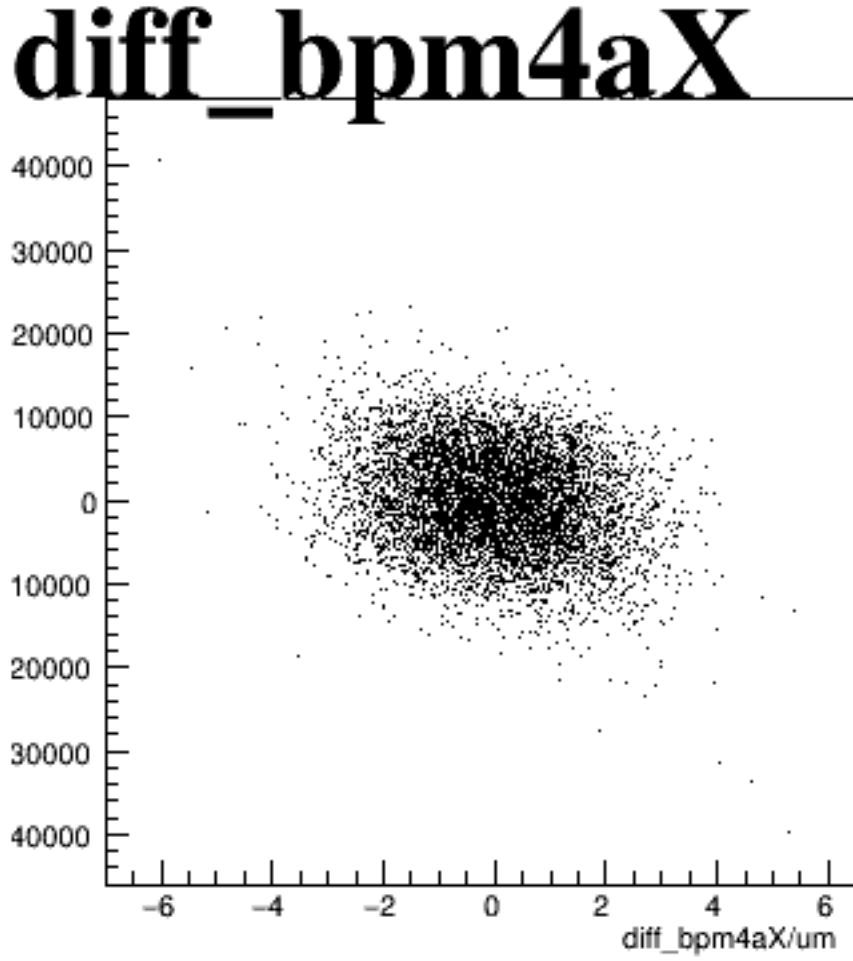
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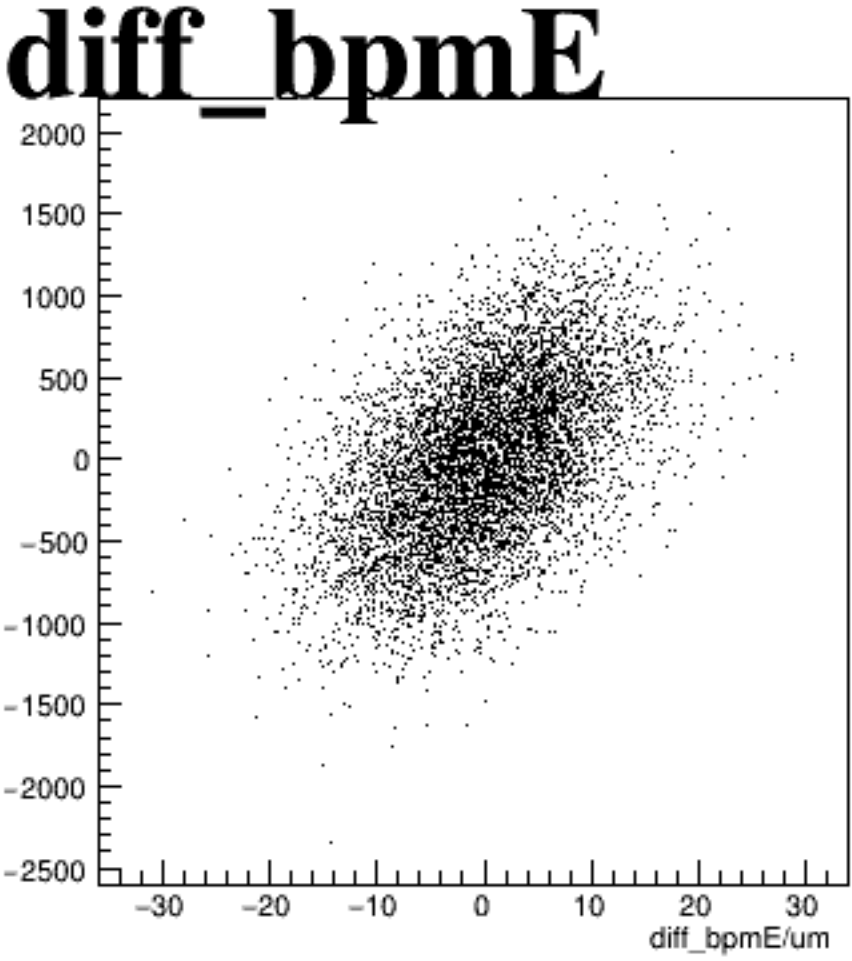
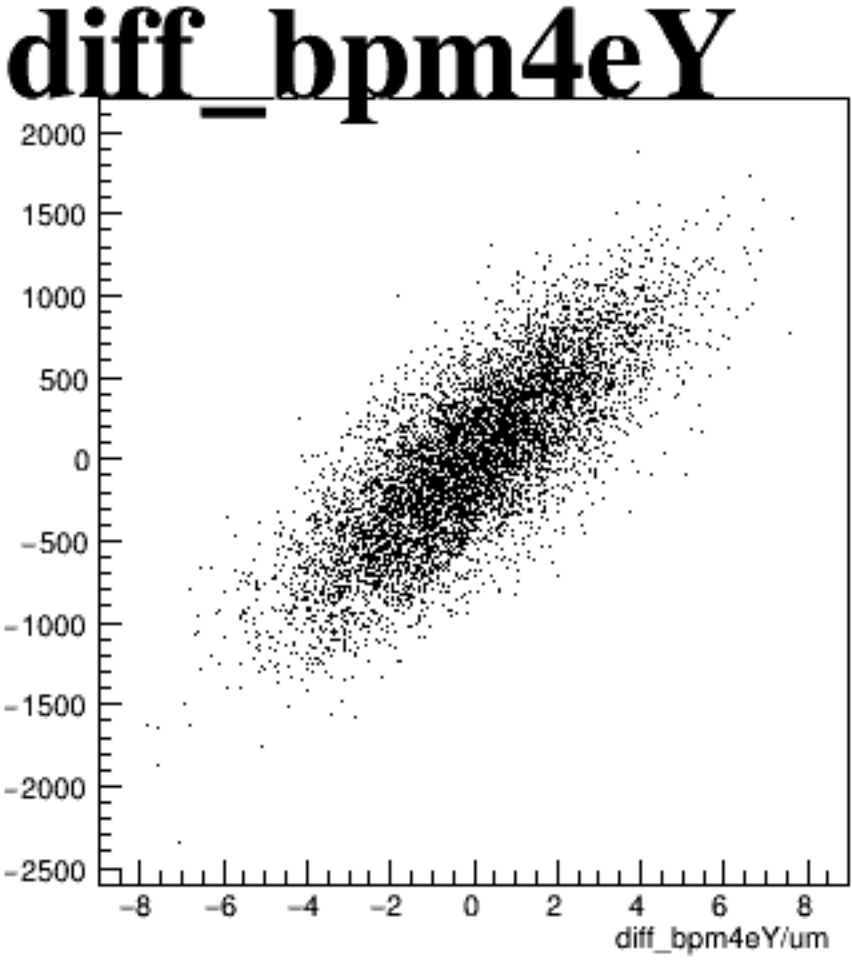
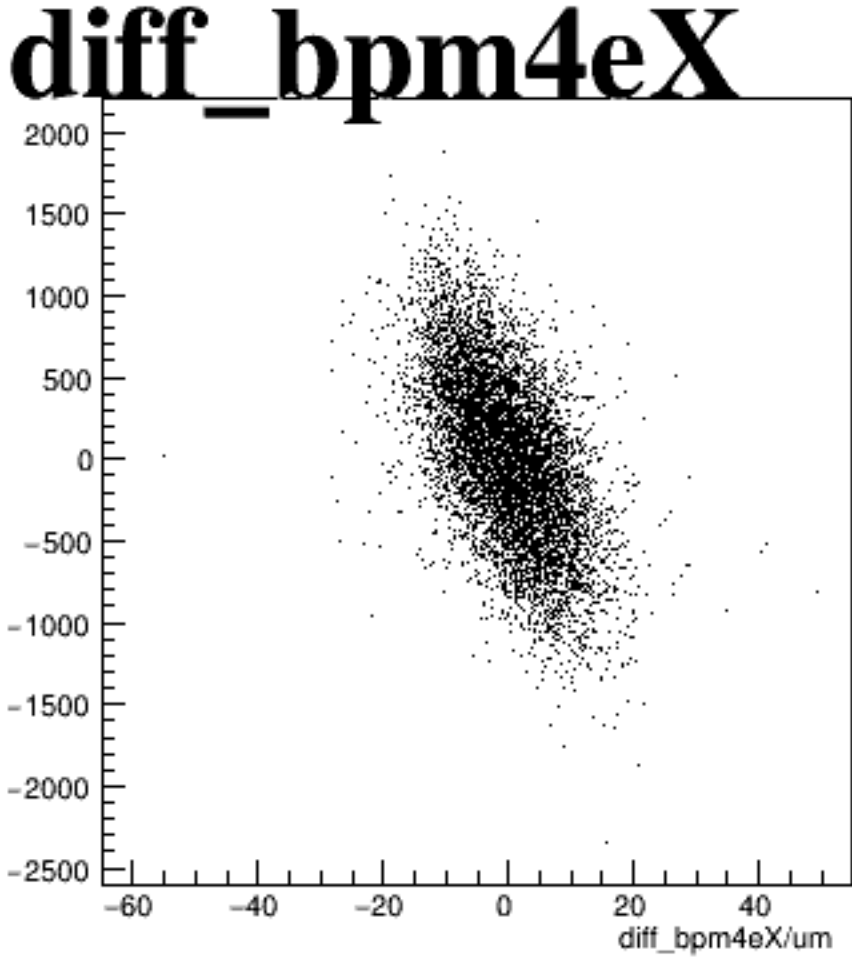
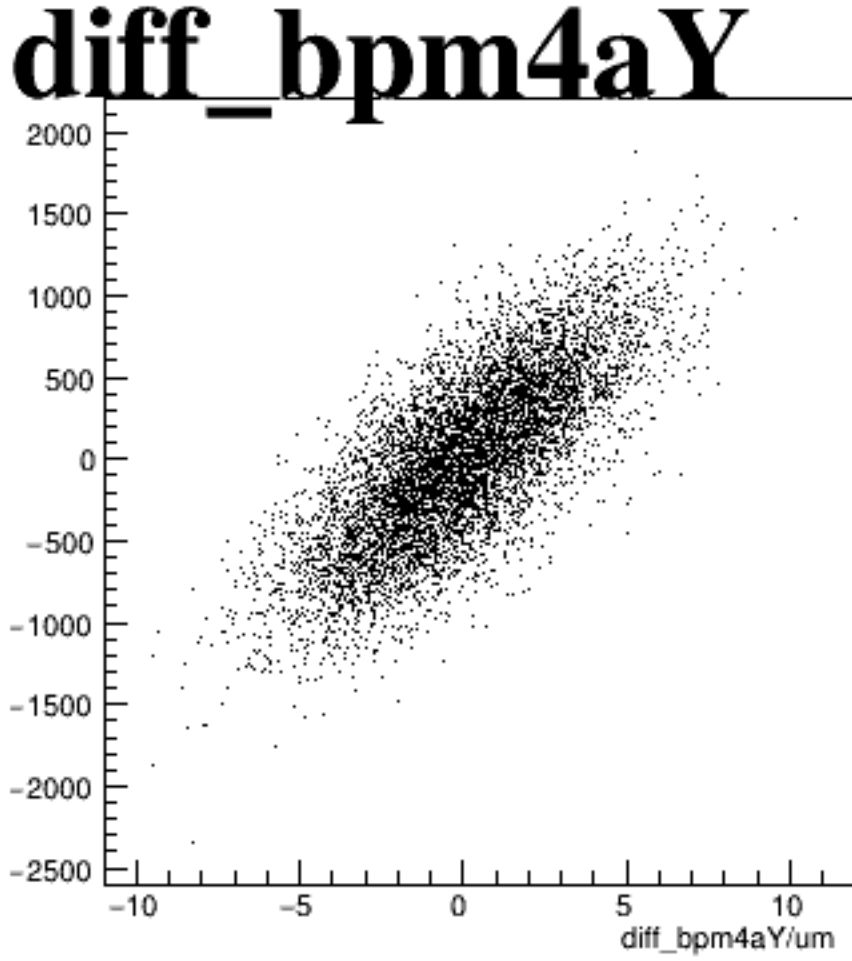
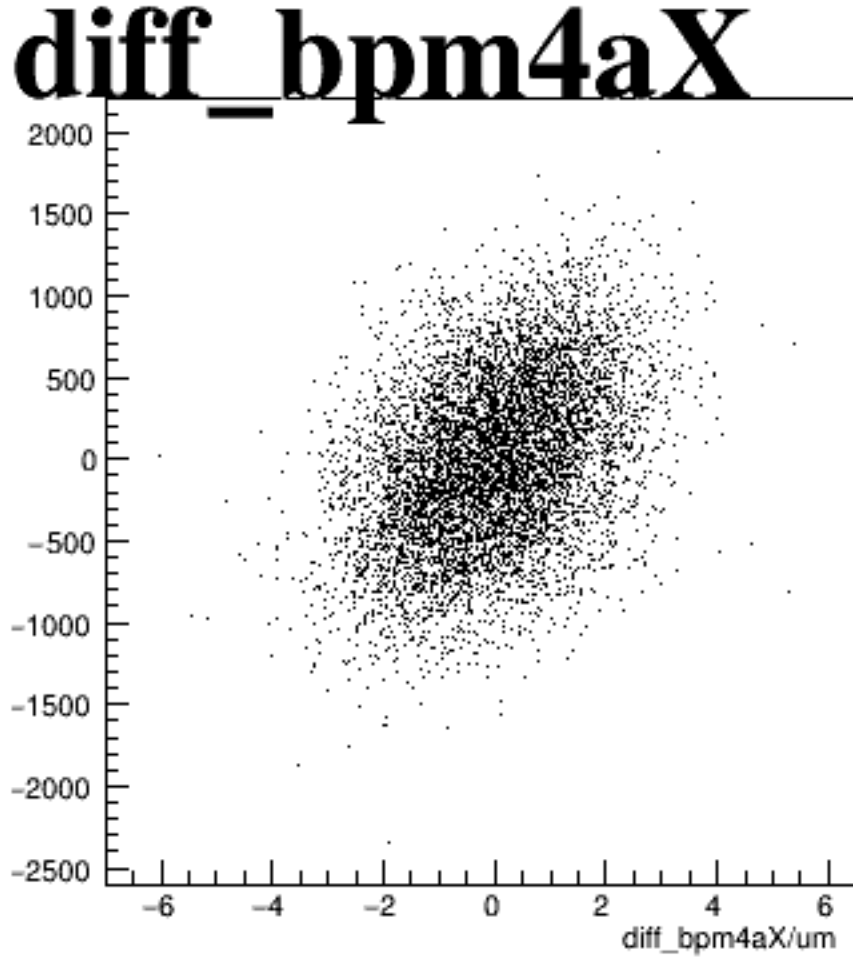
asym_sam1



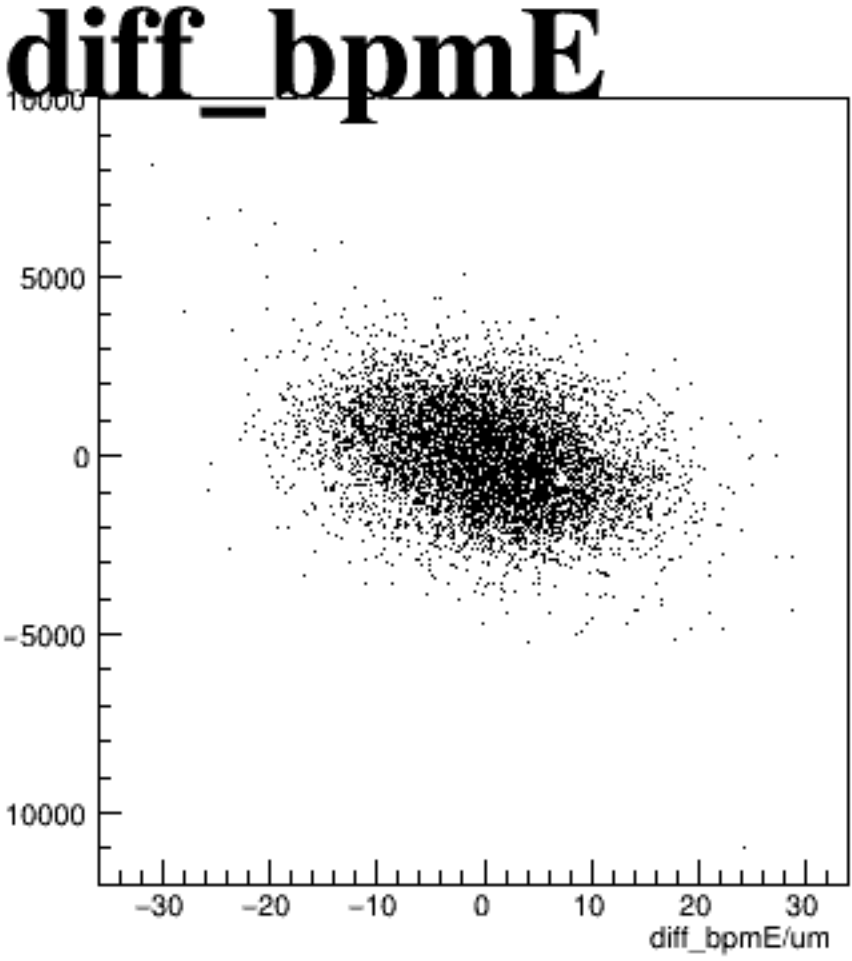
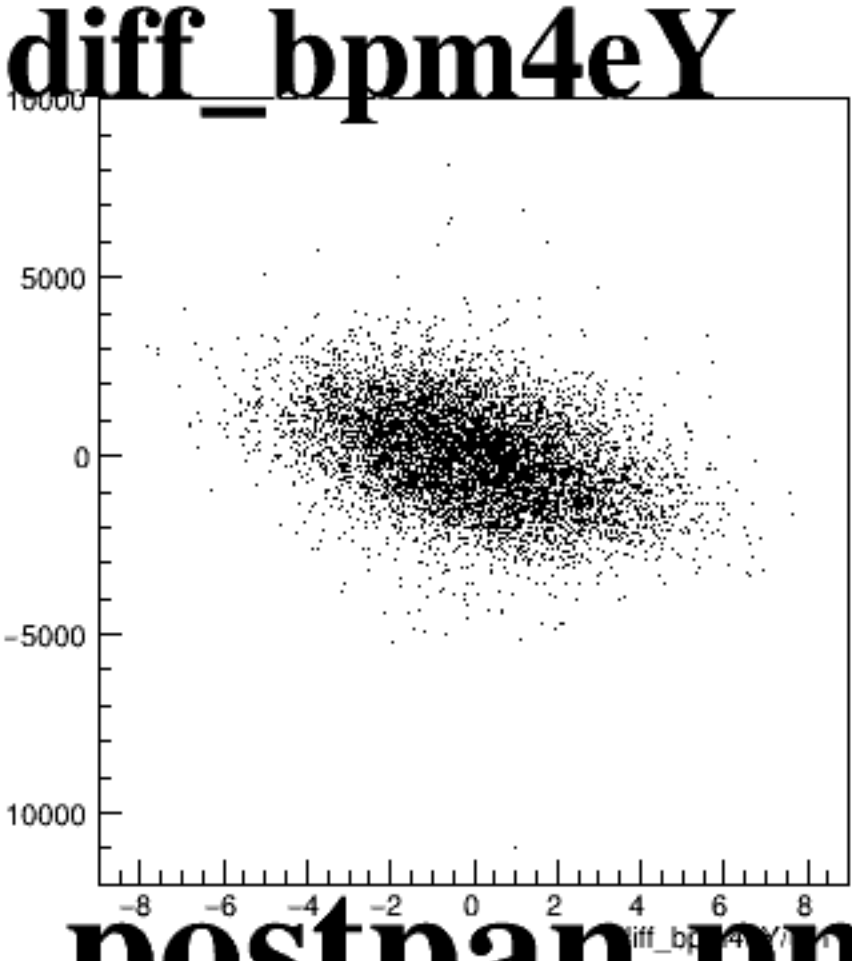
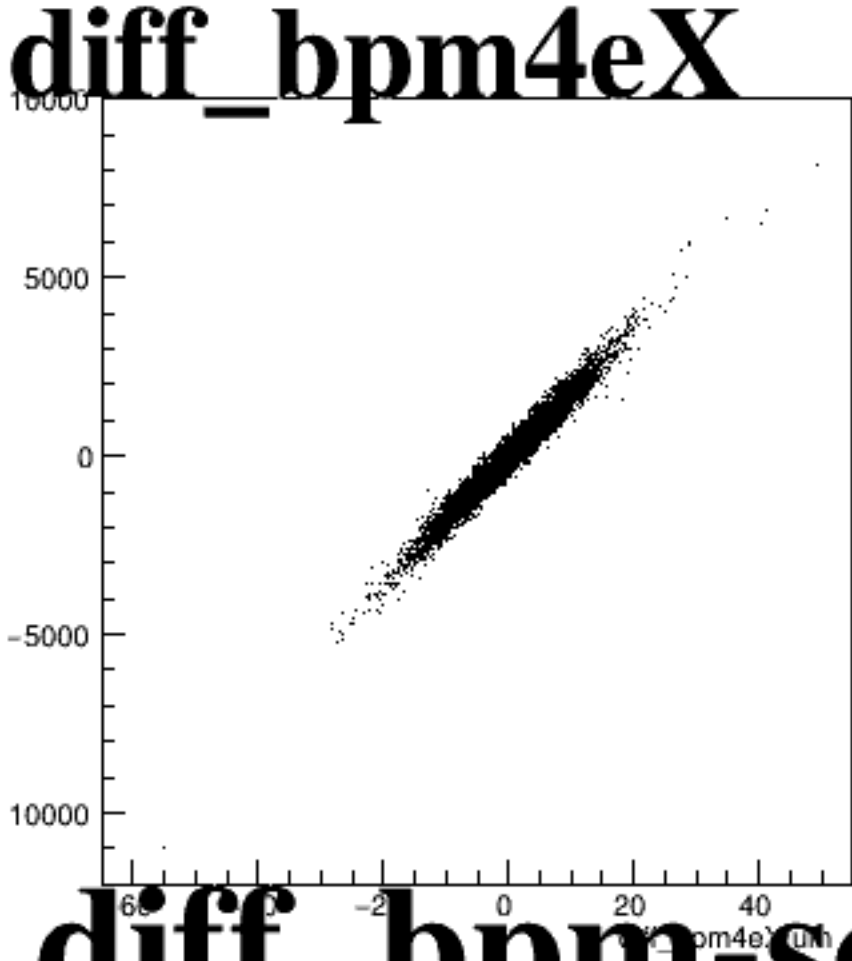
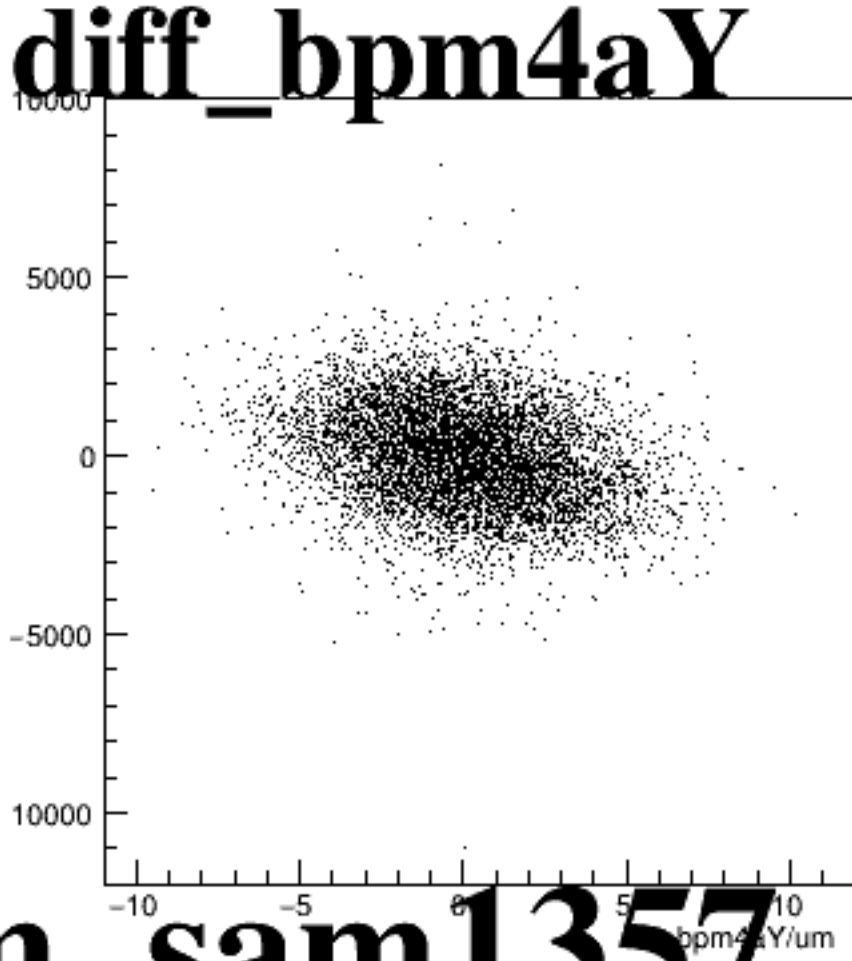
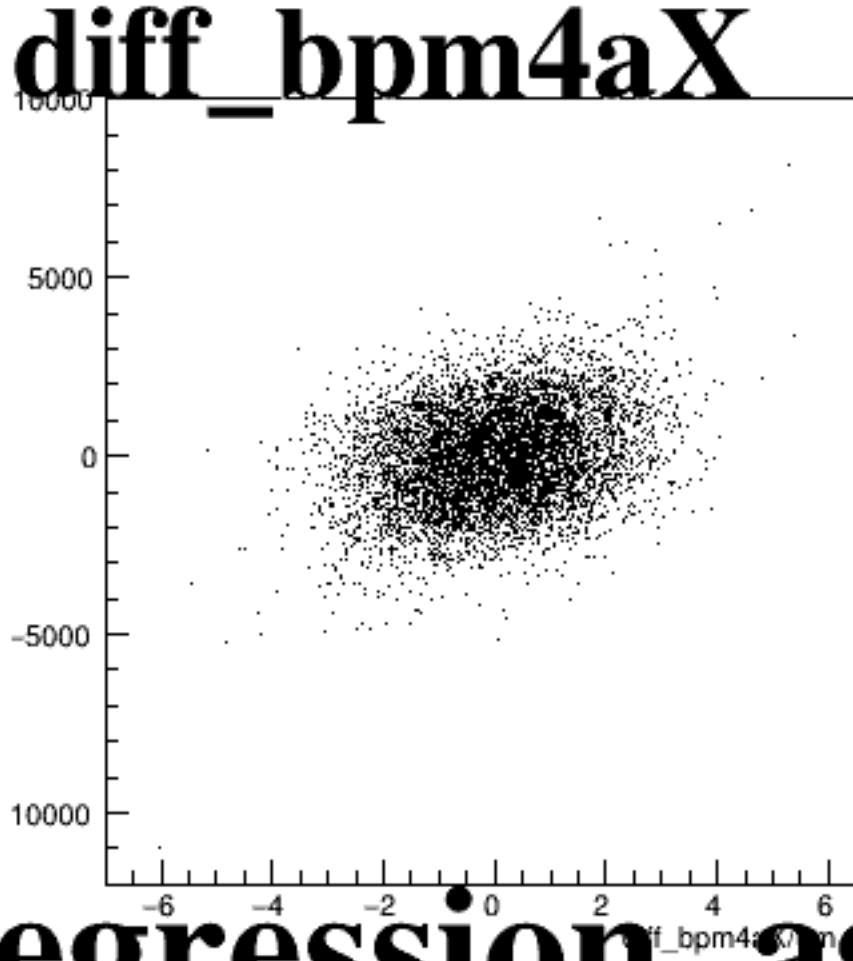
asym_sam3



asym_sam5



asym_sam7



The figure consists of five scatter plots arranged horizontally, each showing the distribution of difference coordinates for a specific beam parameter. The y-axis for all plots ranges from -1500 to 1000. The x-axis ranges vary: diff_bpm4aX ranges from -6 to 6, diff_bpm4aY from -10 to 10, diff_bpm4eX from -60 to 40, diff_bpm4eY from -8 to 8, and diff_bpmE from -30 to 30. All plots show a dense, roughly circular cloud of points centered at the origin.

The figure consists of five scatter plots arranged horizontally, each showing the distribution of differences in BPM coordinates for a specific beam parameter. The y-axis for all plots ranges from -4000 to 3000. The x-axis for each plot represents the difference in a specific coordinate, with labels at the bottom: diff_bpm4aX/um, diff_bpm4aY/um, diff_bpm4eX/um, diff_bpm4eY/um, and diff_bpmE/um. The x-axis ranges vary: the first two range from -6 to 6 and -10 to 10 respectively, while the last three range from -60 to 60, -8 to 8, and -30 to 30 respectively. All plots show a dense, roughly circular cloud of points centered at the origin (0,0), indicating that the differences are small and randomly distributed.

The figure consists of five scatter plots arranged horizontally, each showing the distribution of a difference variable. The y-axis for all plots ranges from -1000 to 1000. The x-axis labels and ranges are as follows:

- diff_bpm4aX**: x-axis ranges from -6 to 6.
- diff_bpm4aY**: x-axis ranges from -10 to 10.
- diff_bpm4eX**: x-axis ranges from -60 to 40.
- diff_bpm4eY**: x-axis ranges from -8 to 8.
- diff_bpmE**: x-axis ranges from -30 to 30.

All plots show a dense, roughly circular cloud of points centered at the origin (0,0).

diff_bpm4aX

diff_bpm4aY

diff_bpm4eX

diff_bpm4eY

diff_bpmE