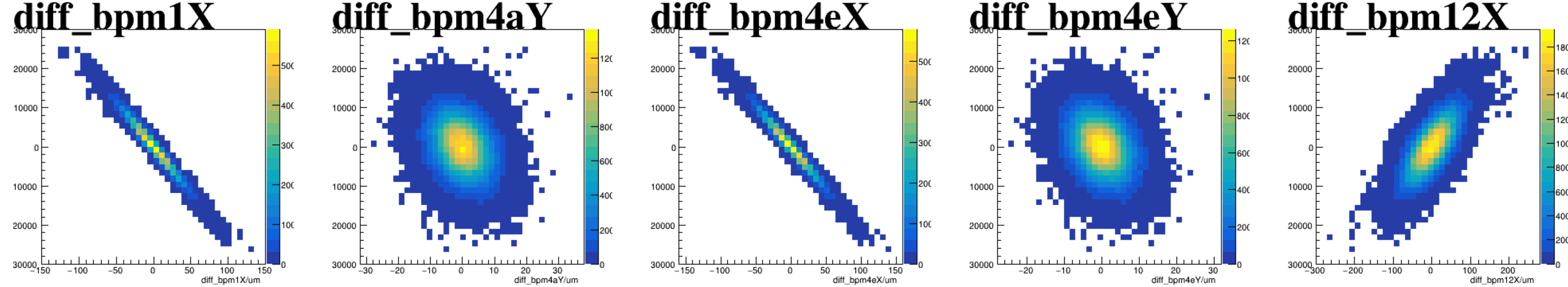
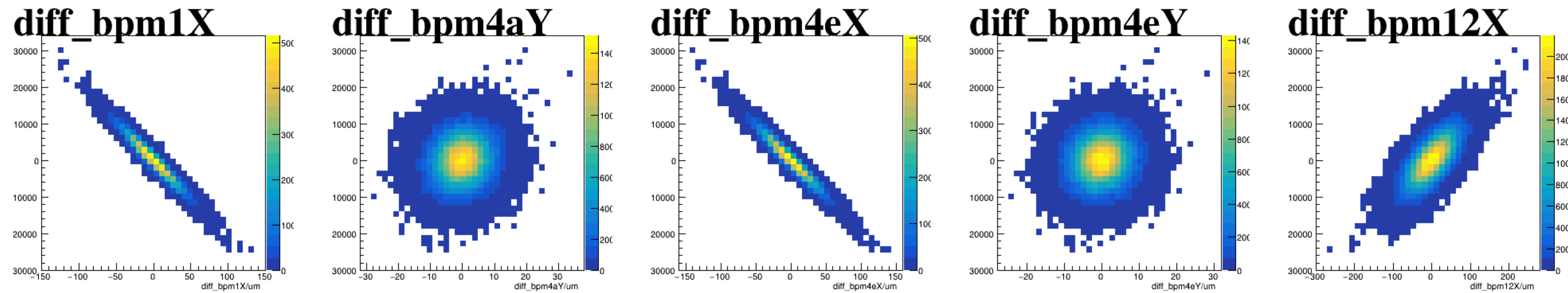


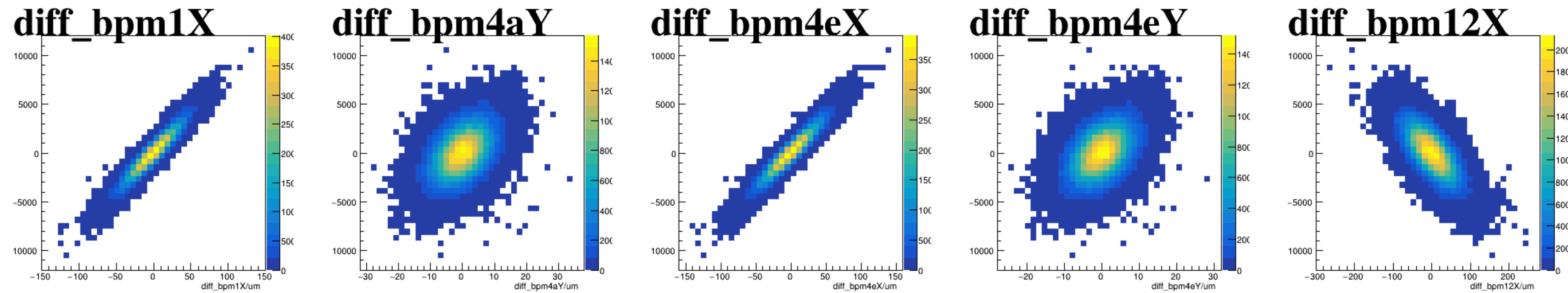
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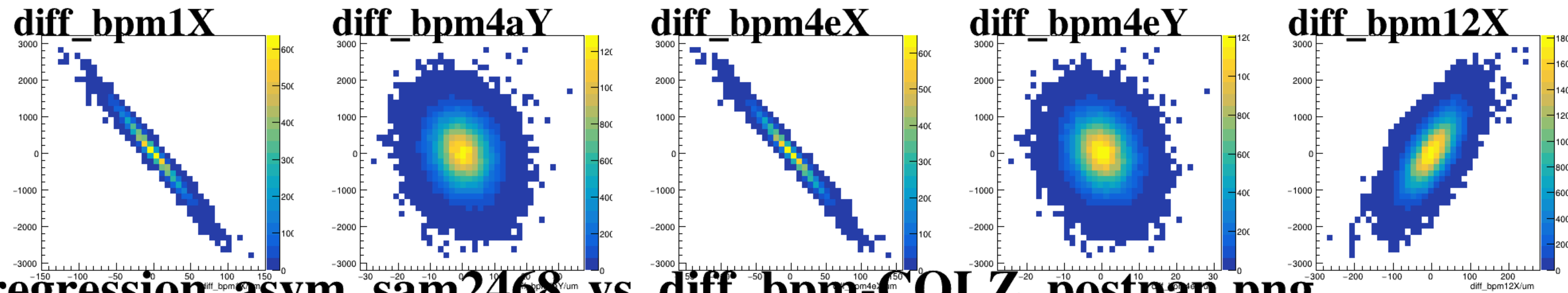
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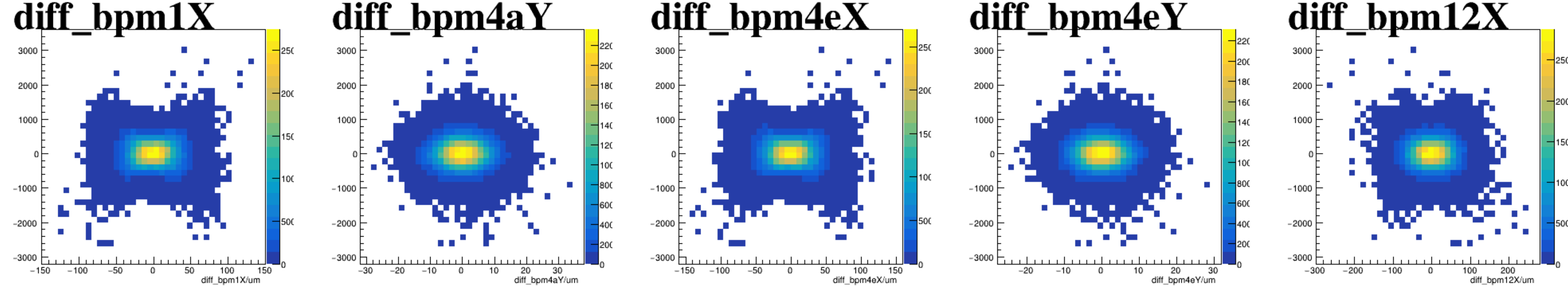
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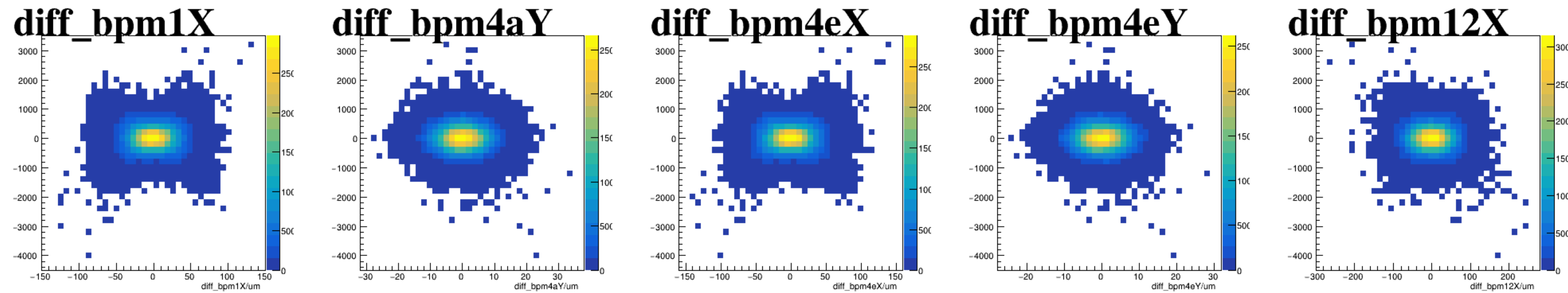
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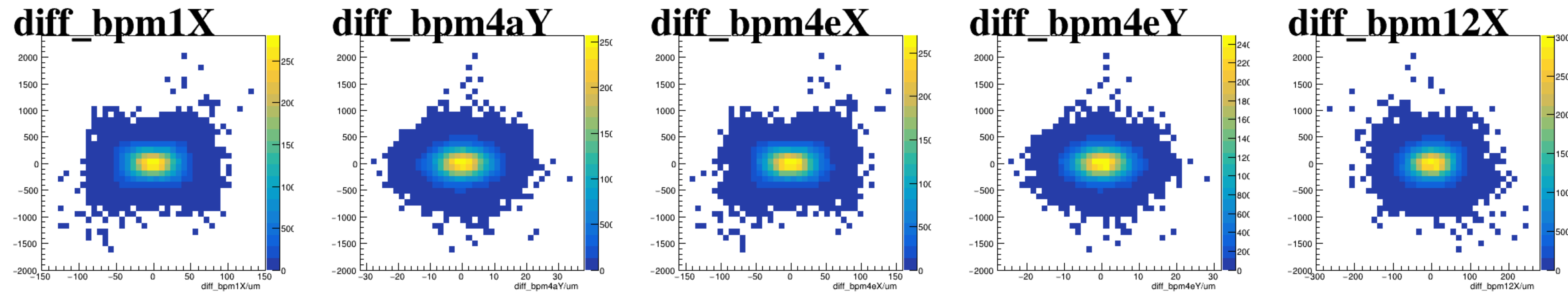
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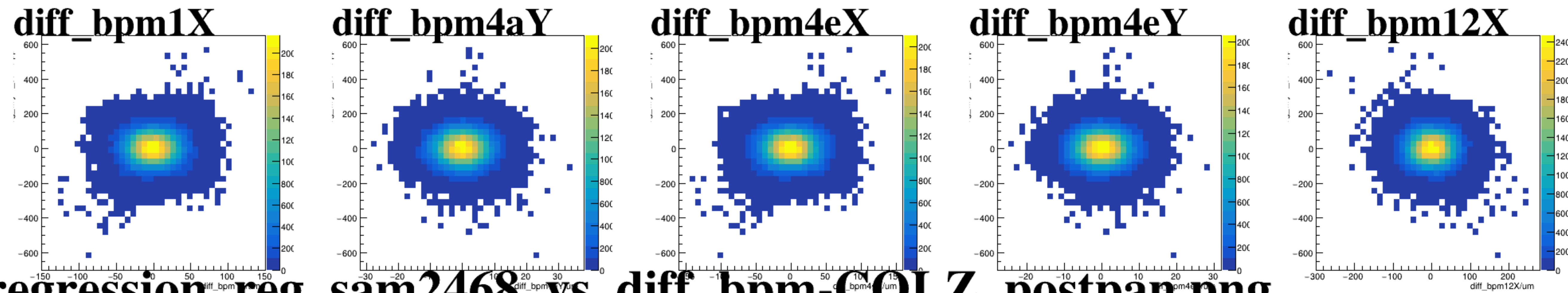
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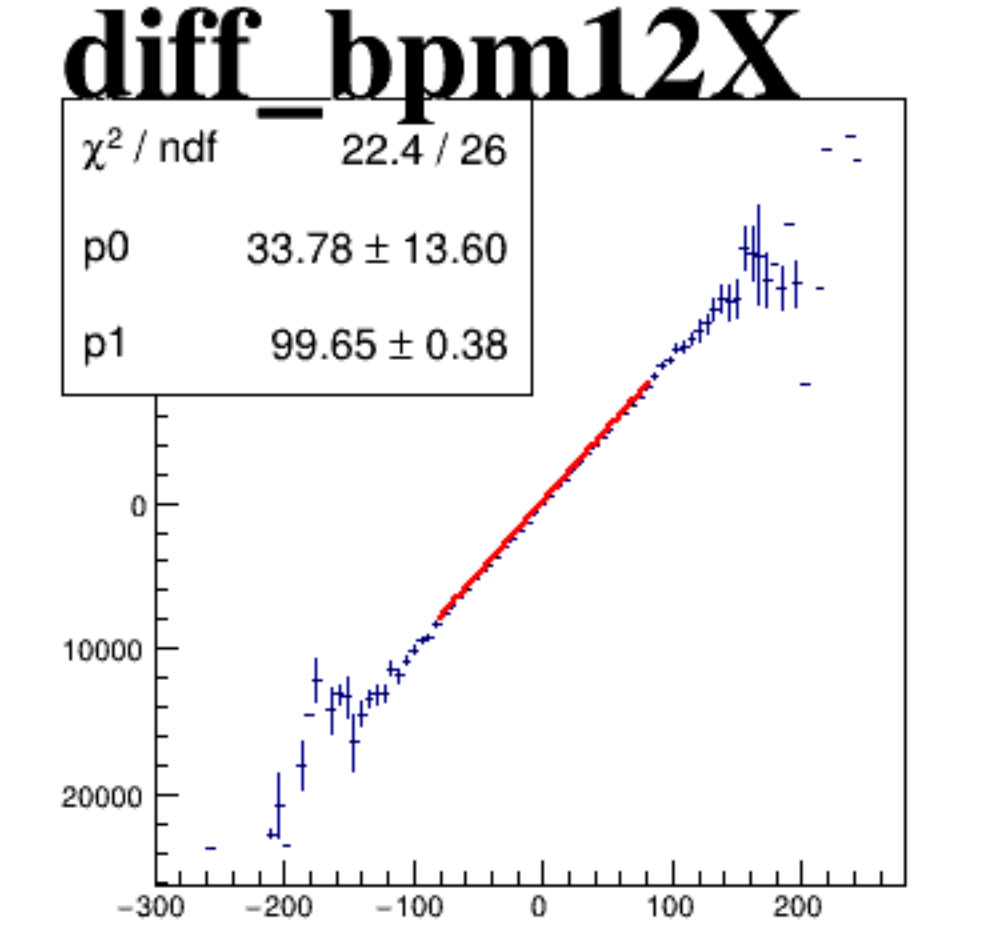
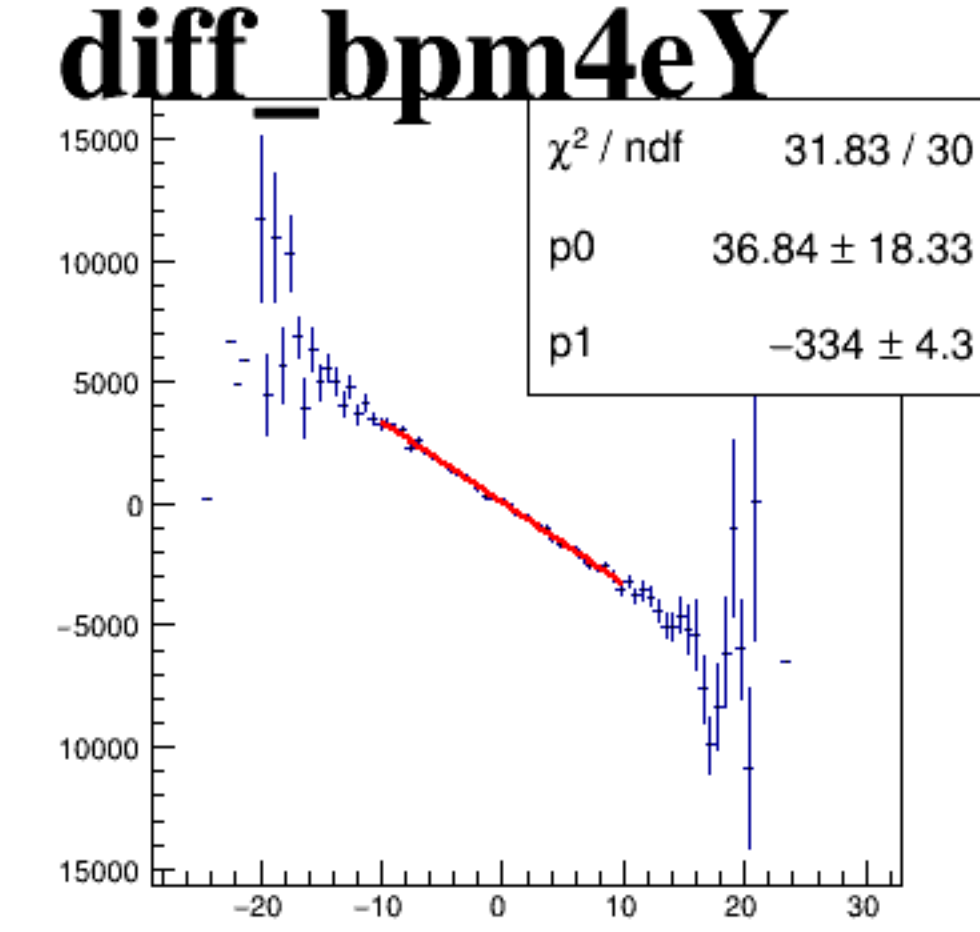
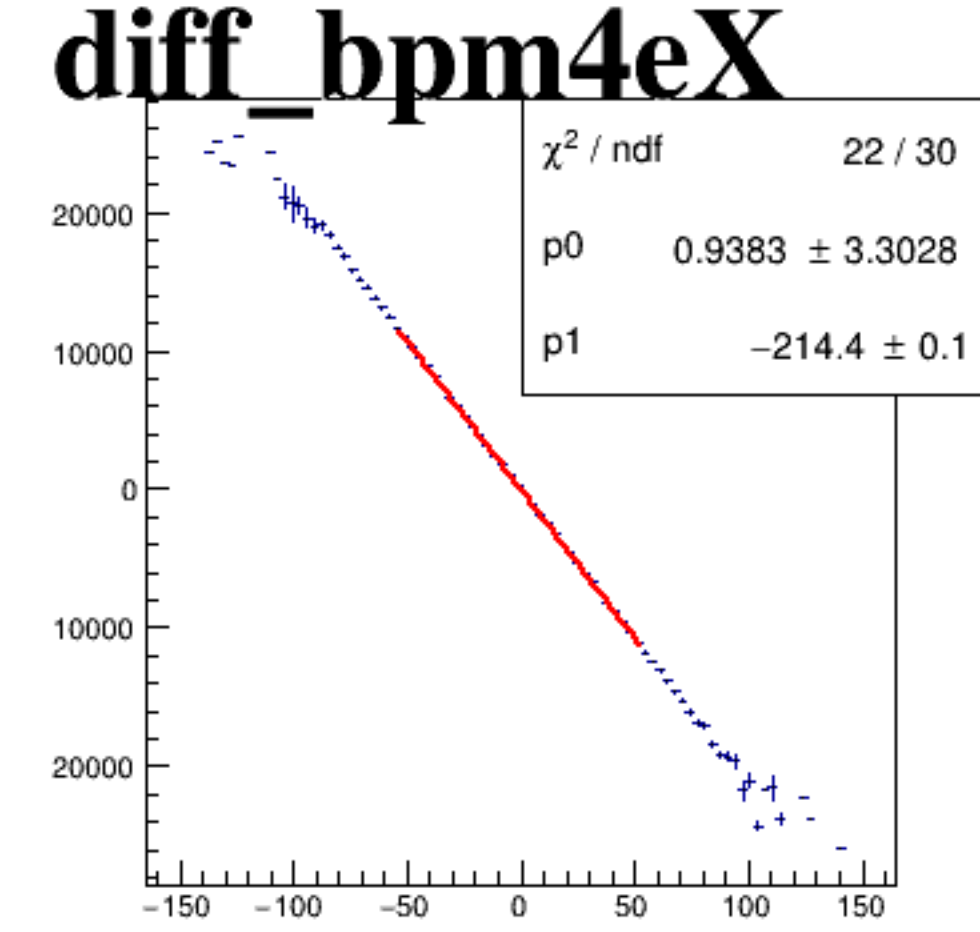
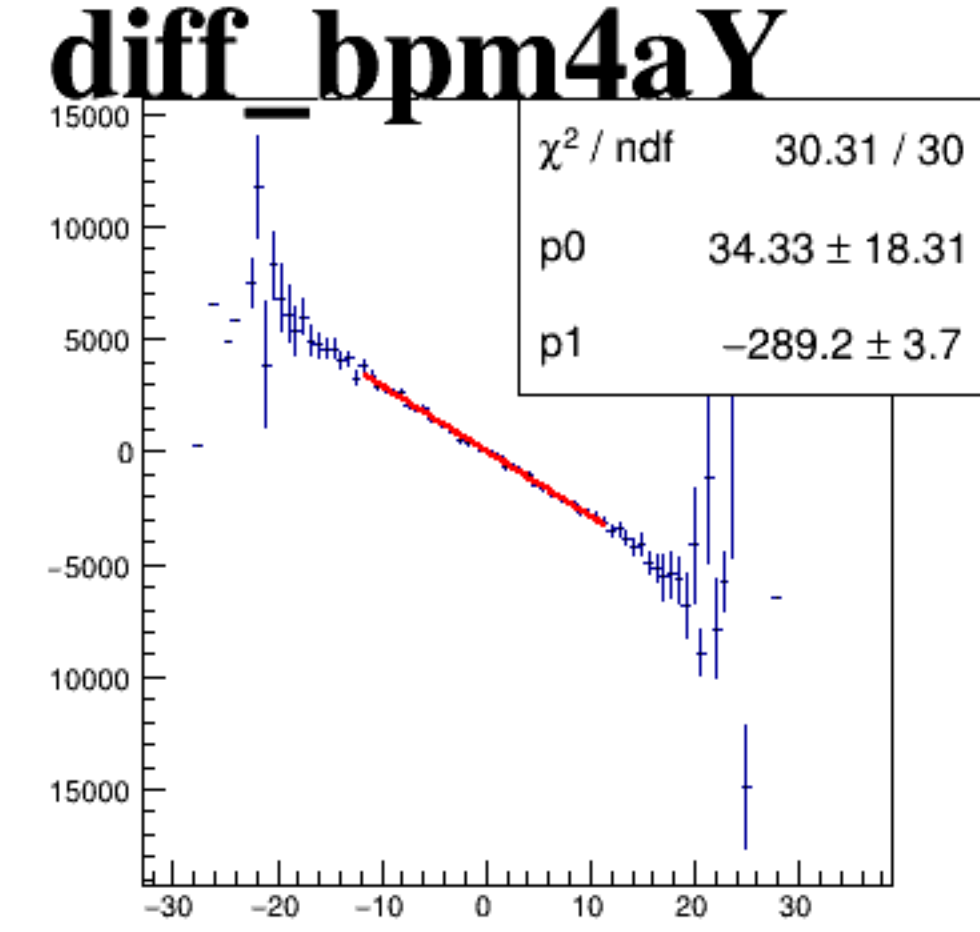
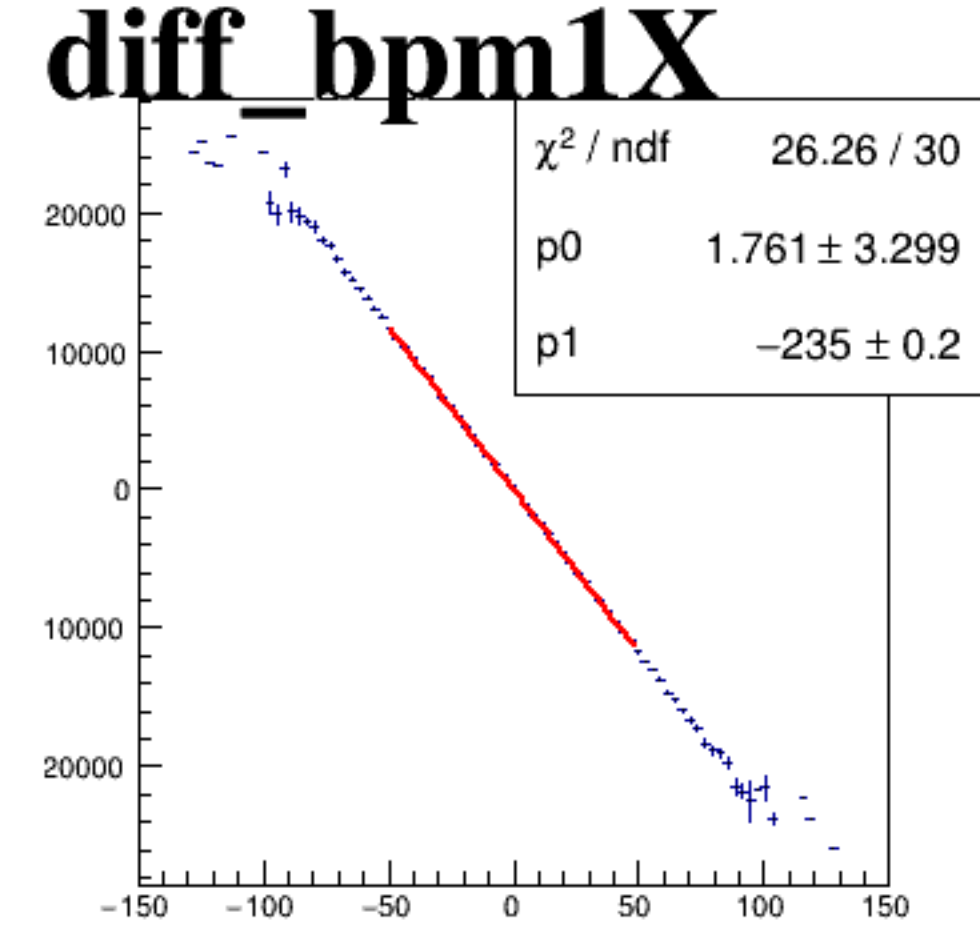
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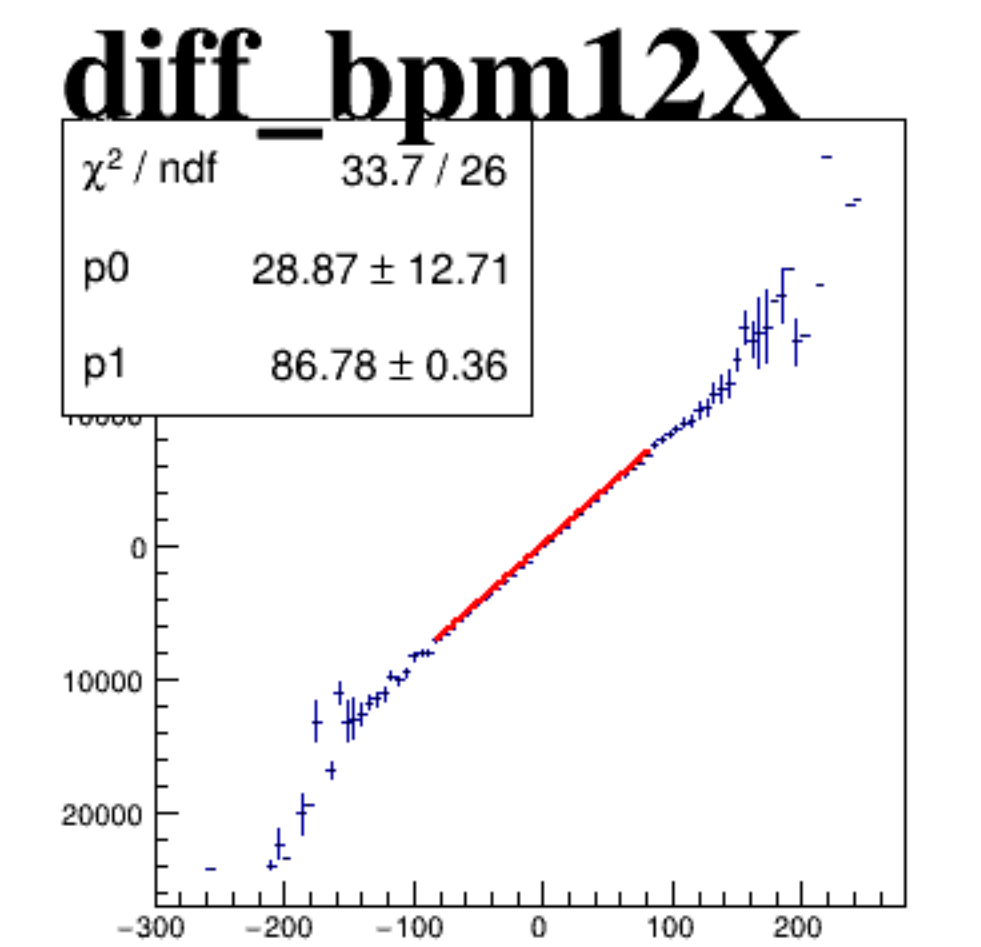
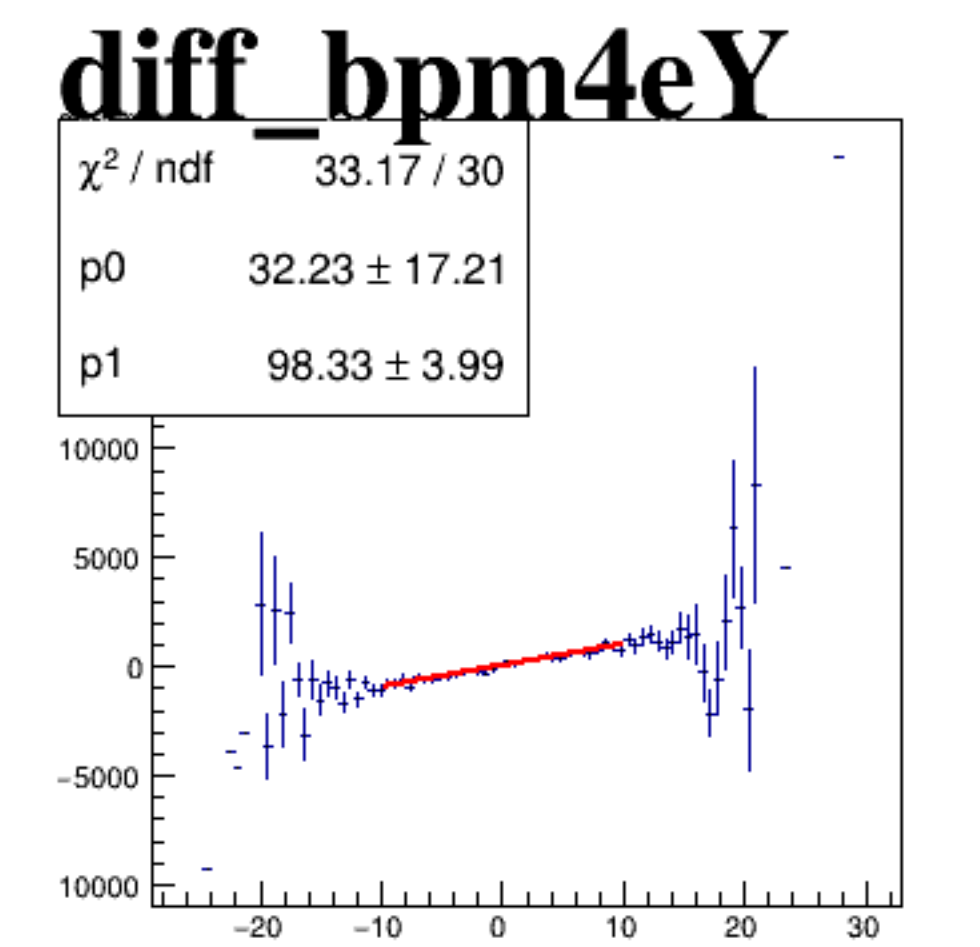
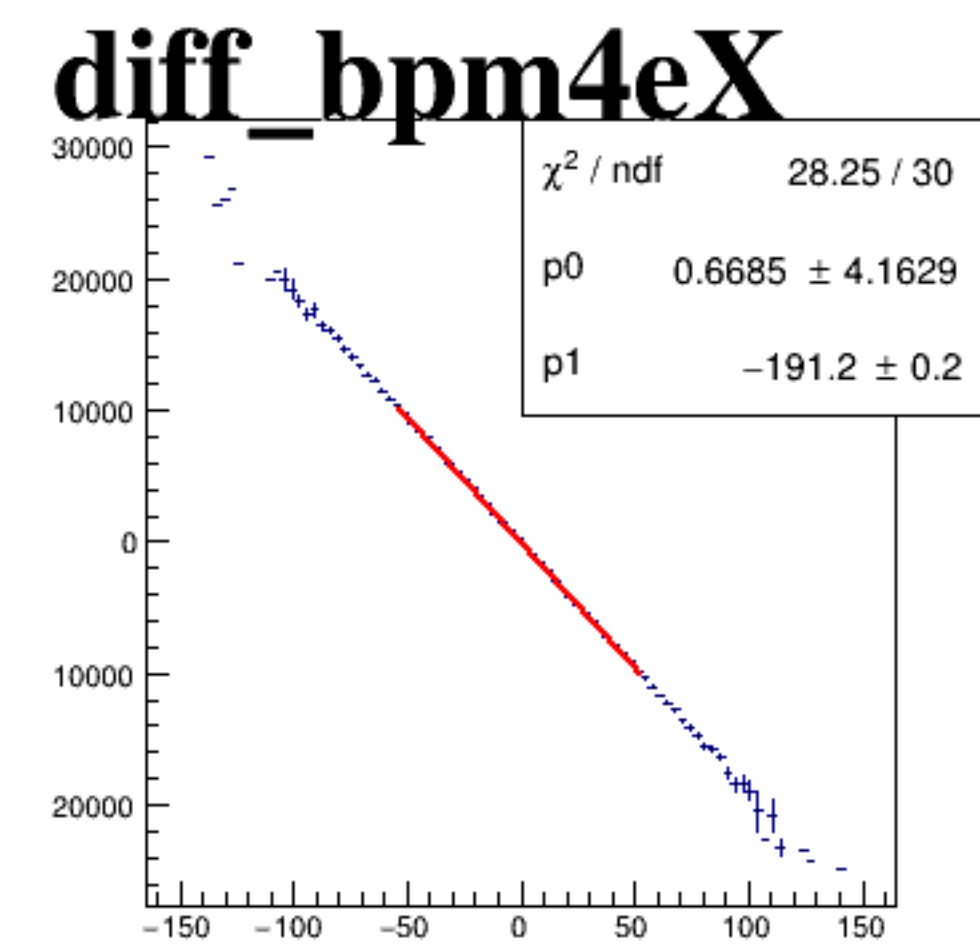
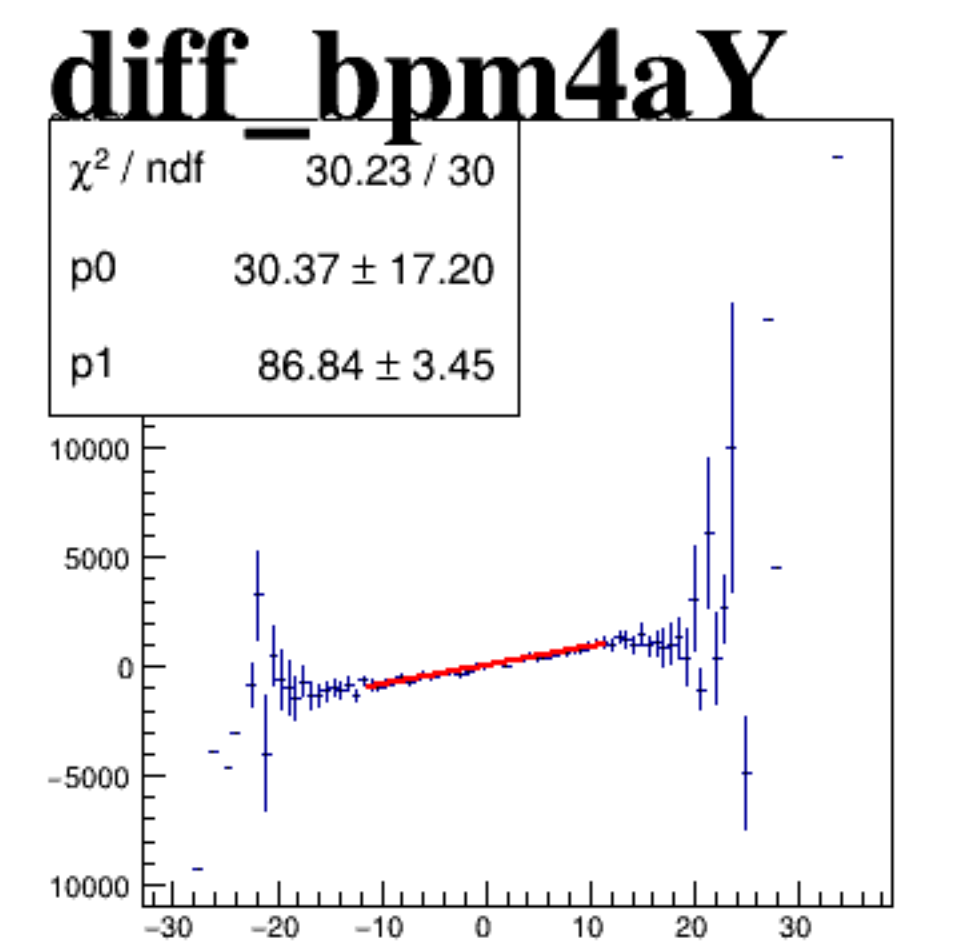
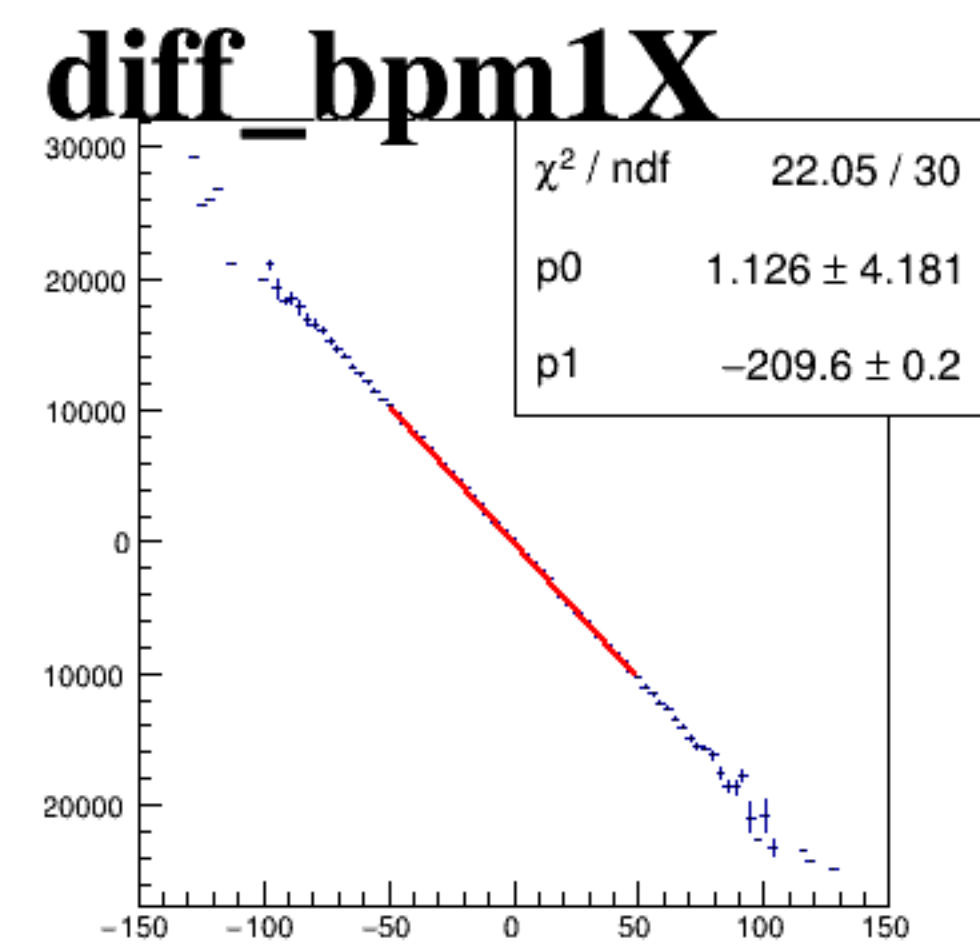
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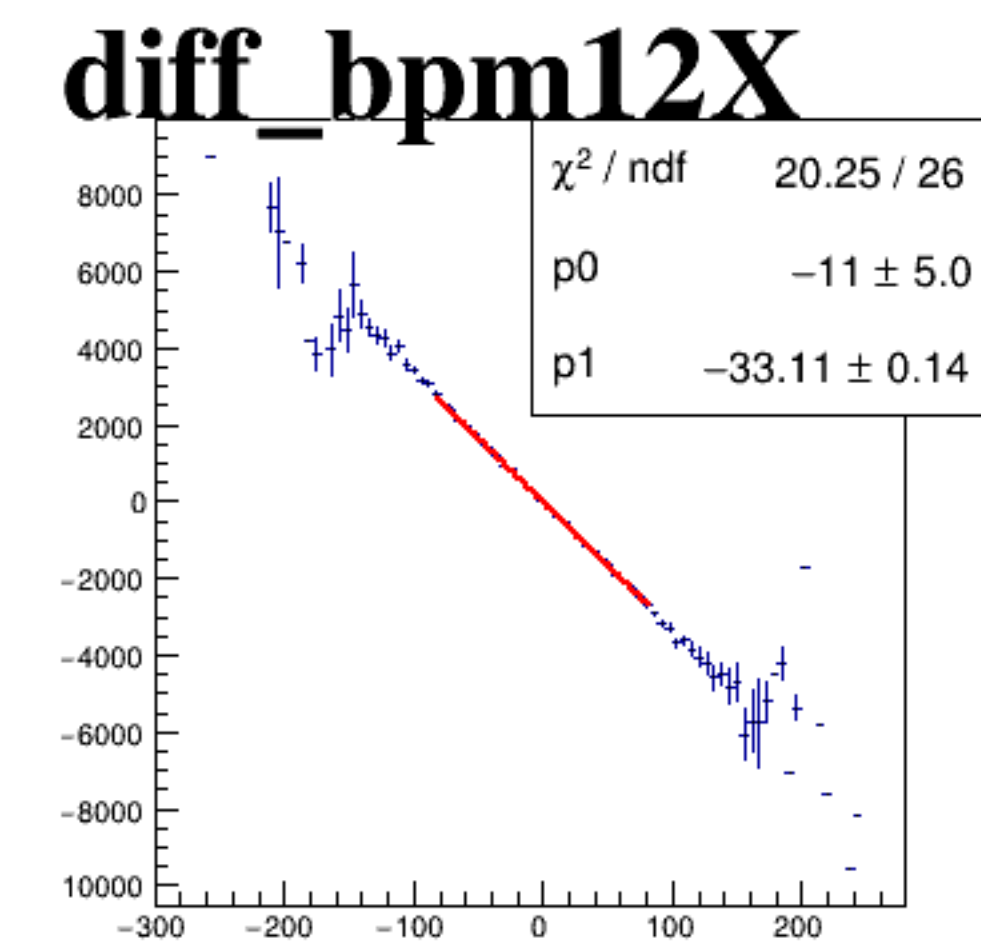
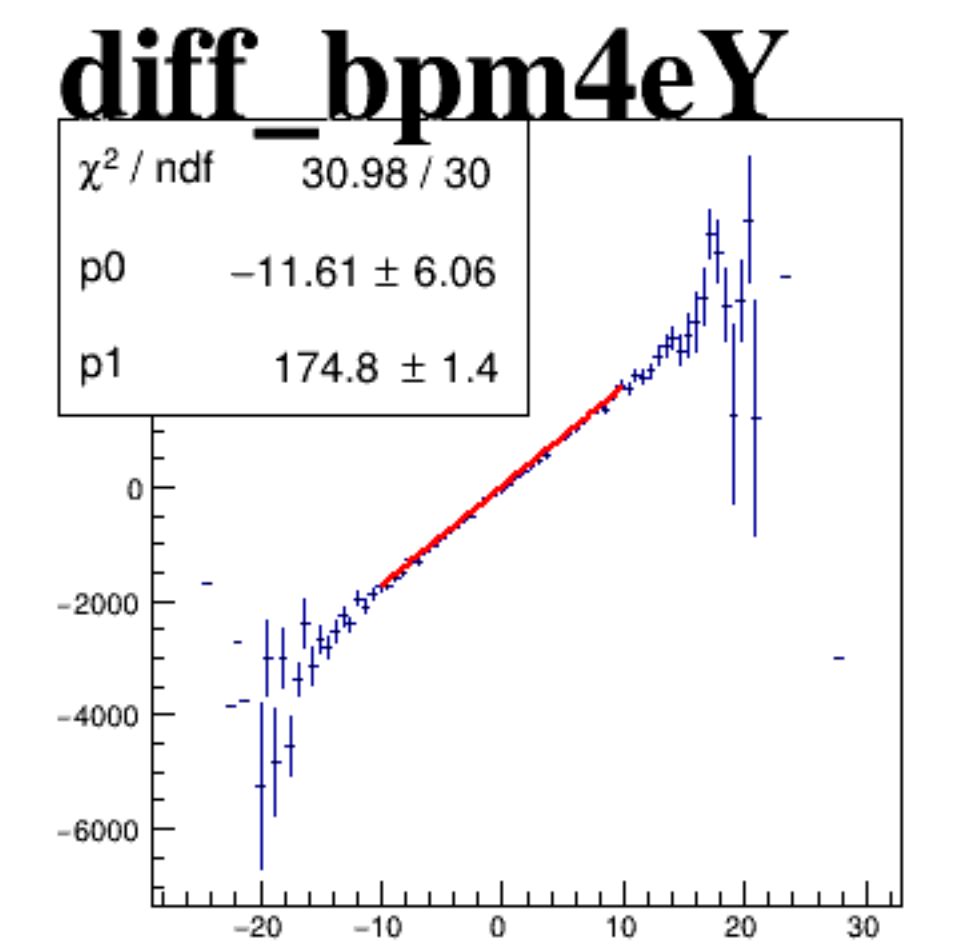
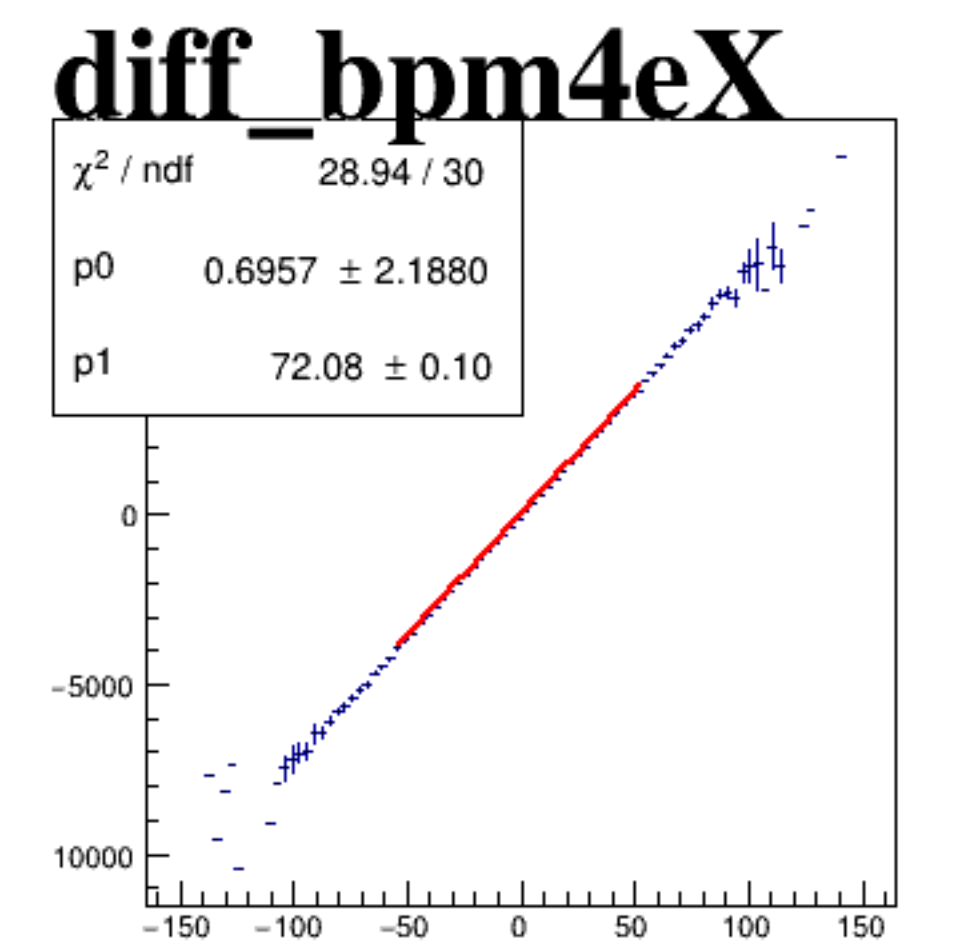
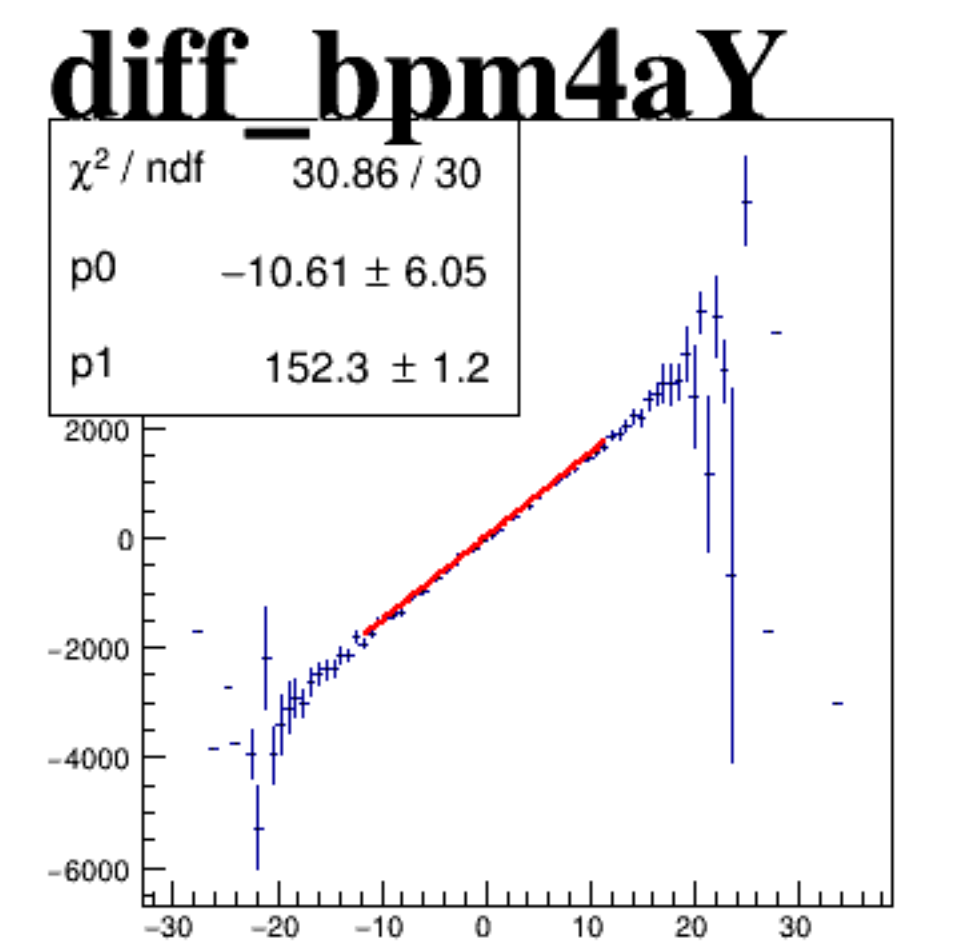
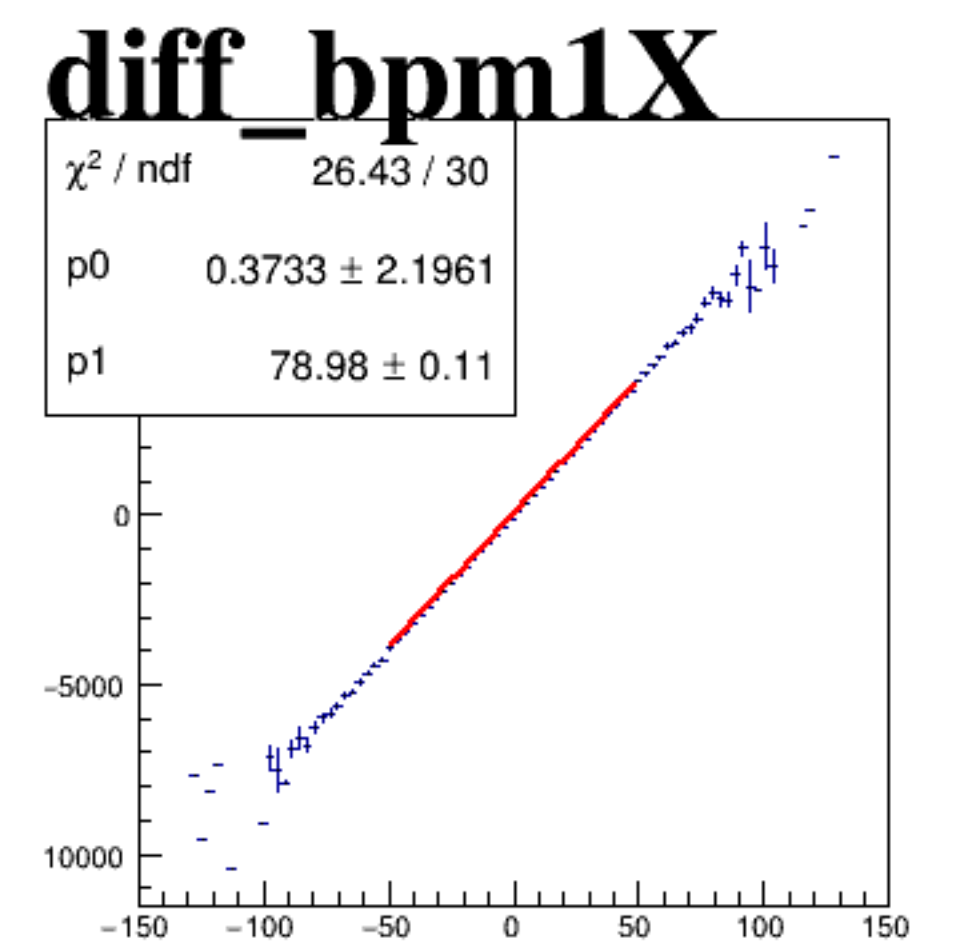
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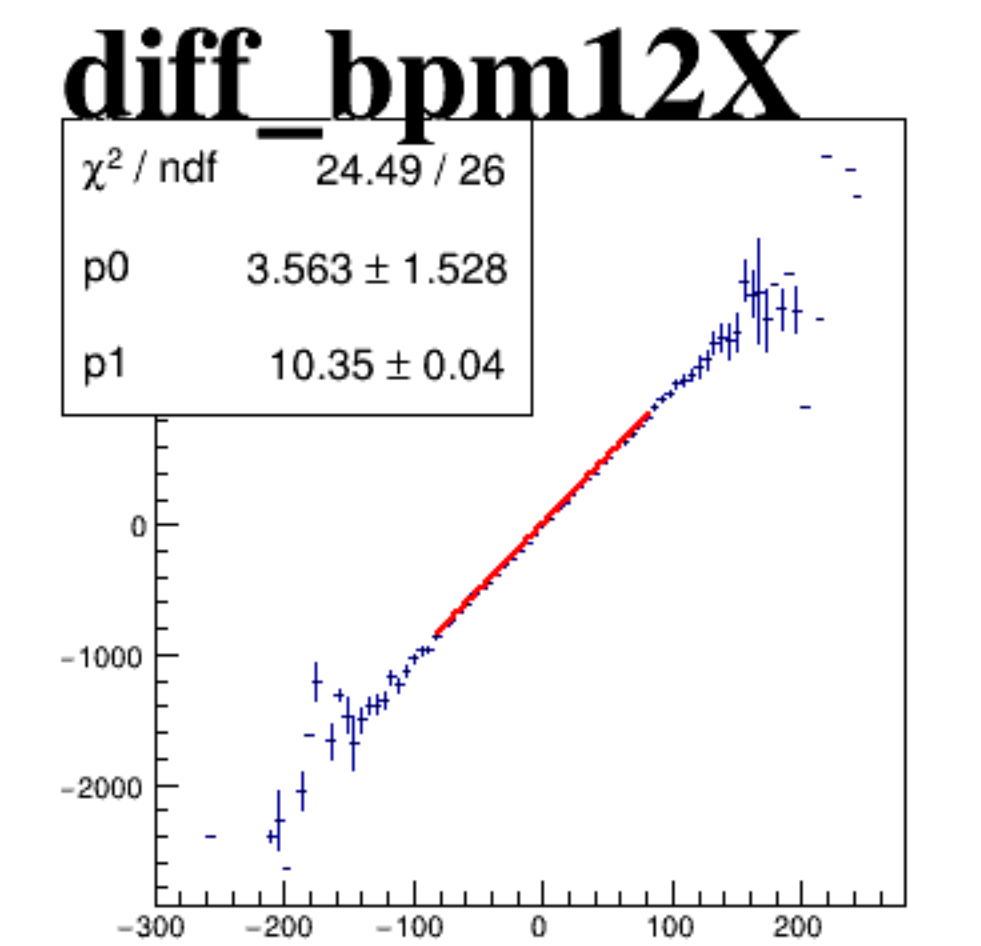
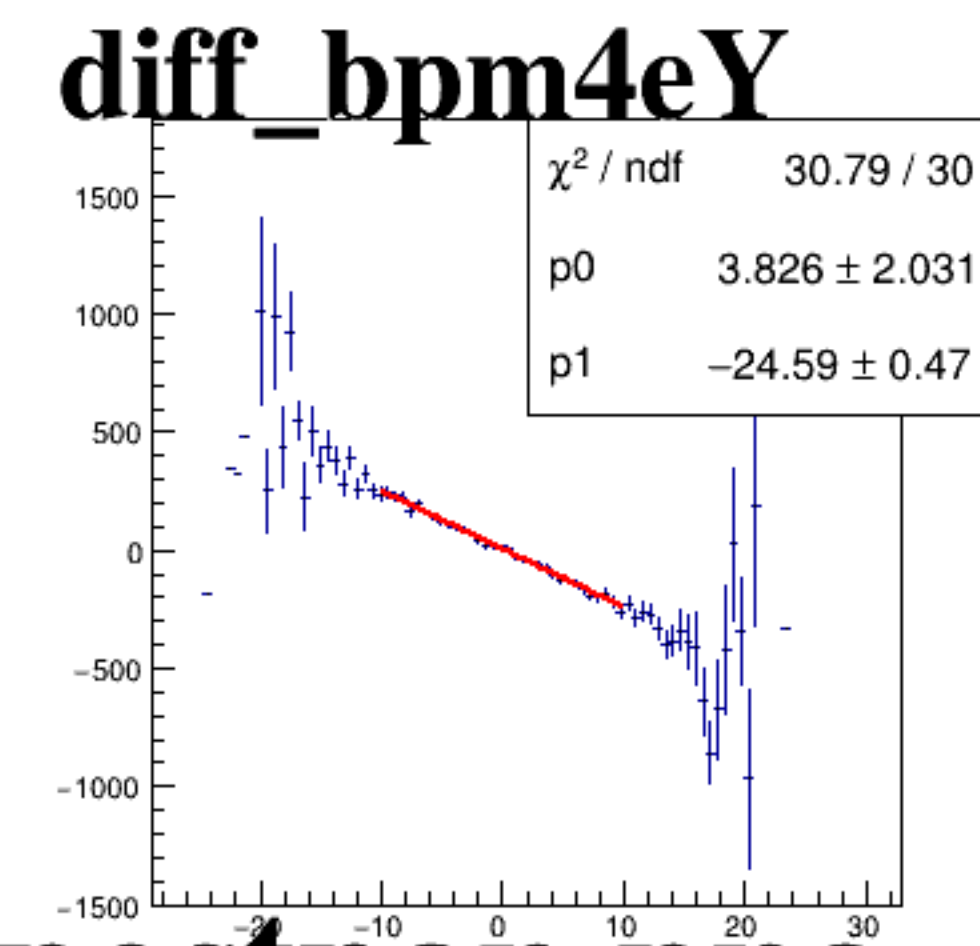
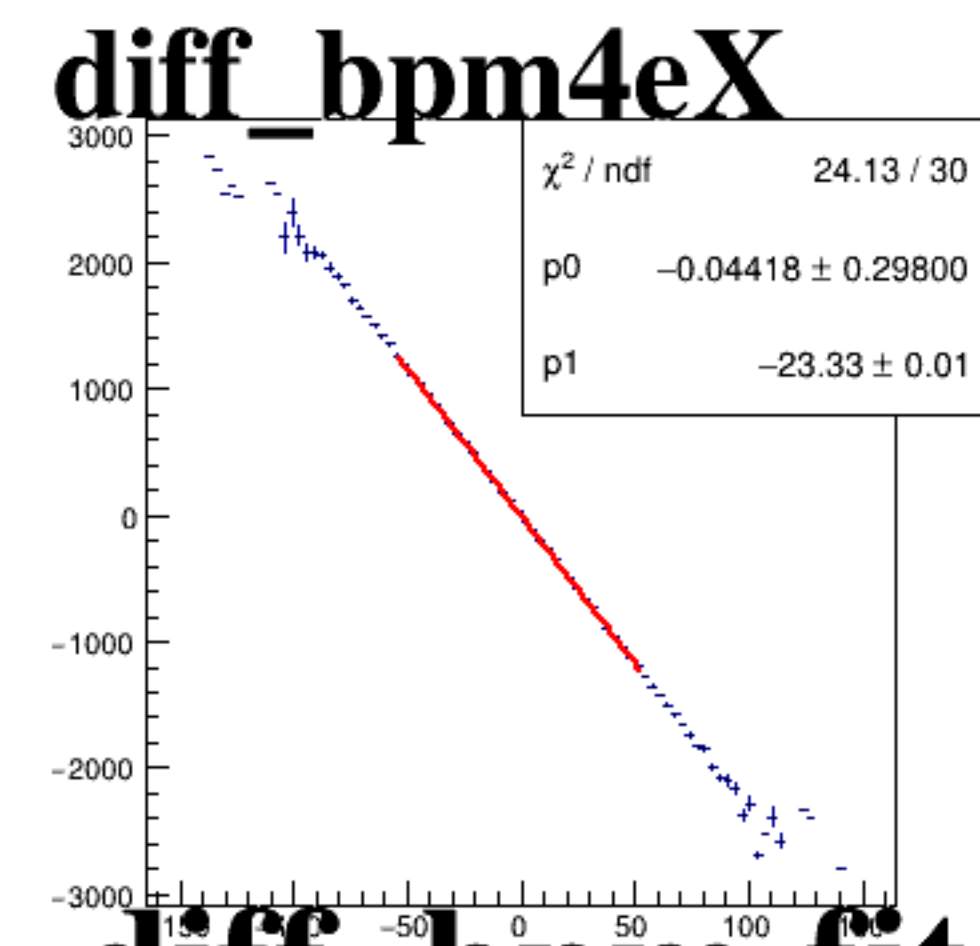
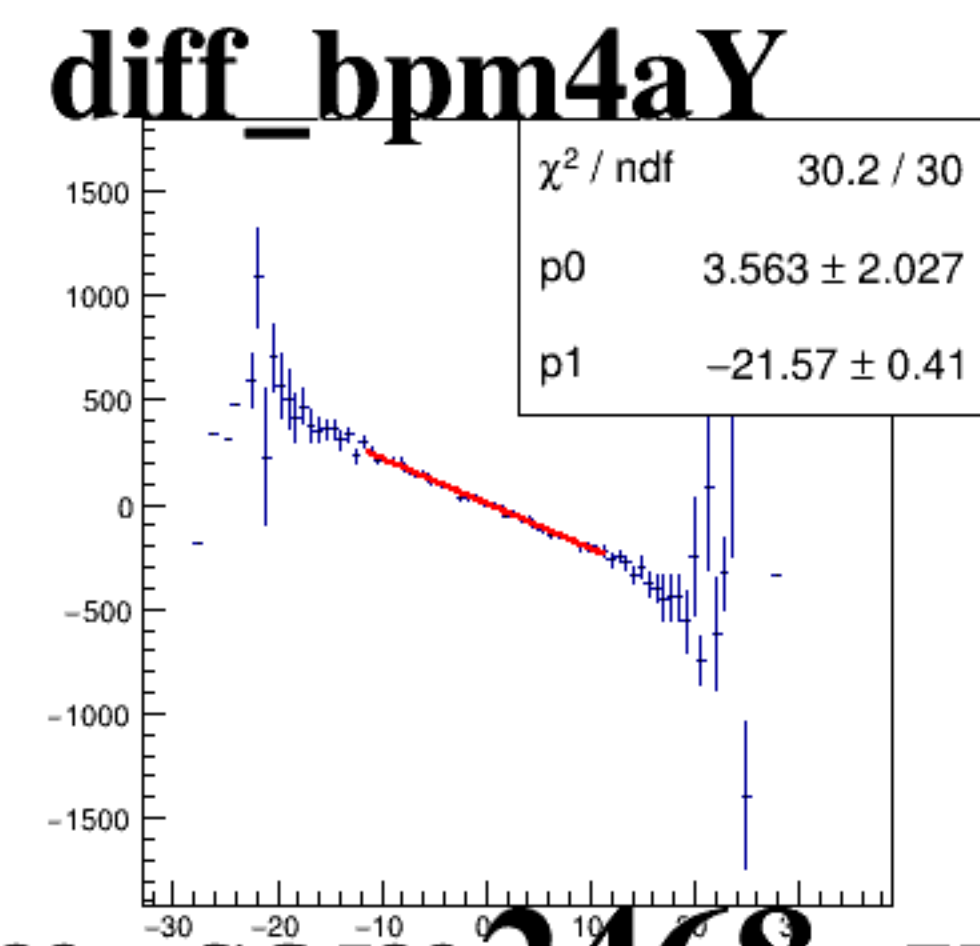
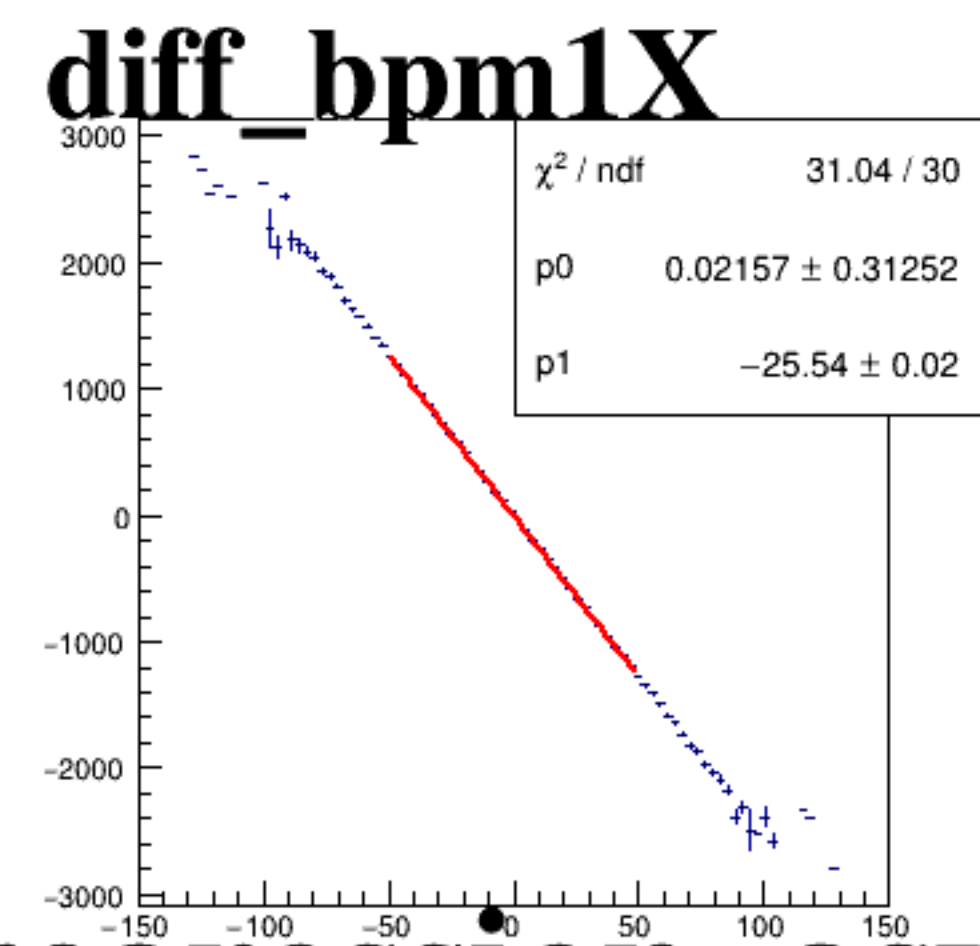
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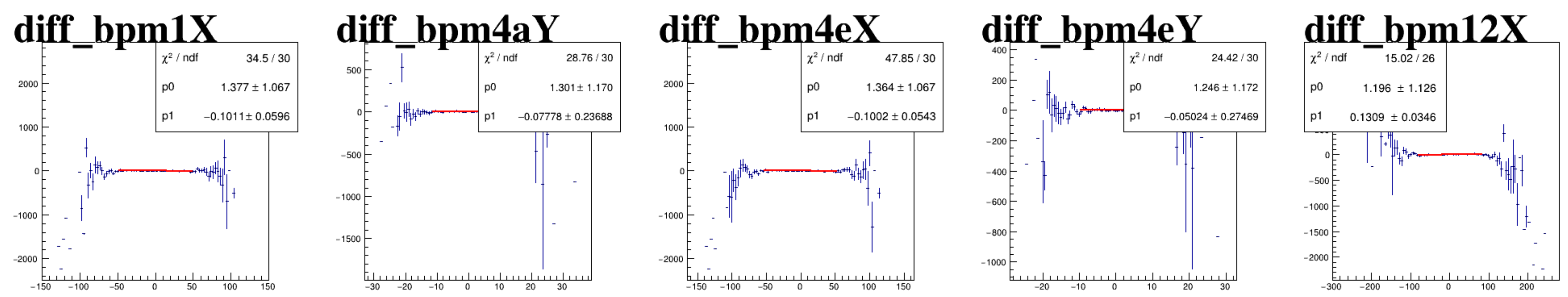
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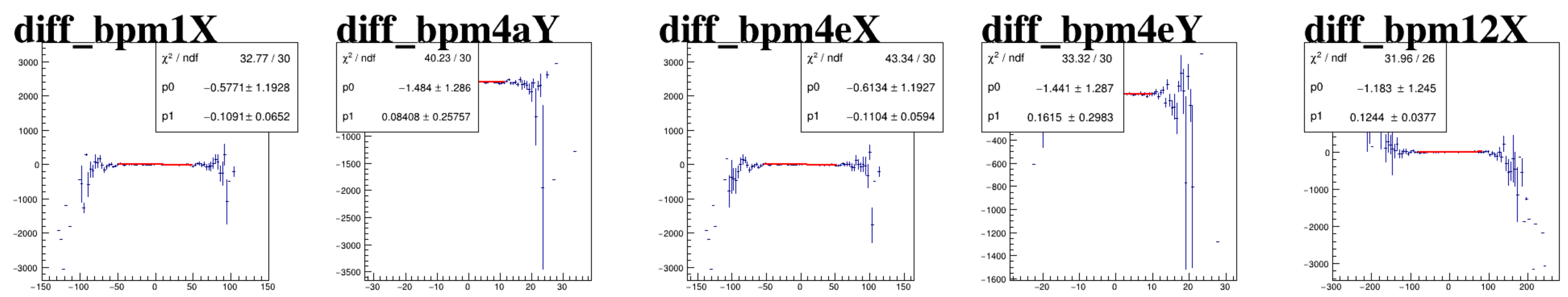
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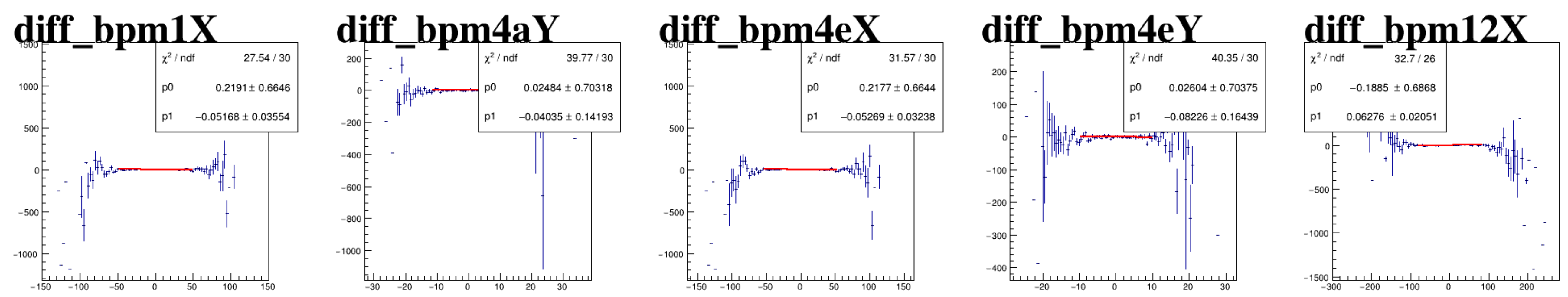
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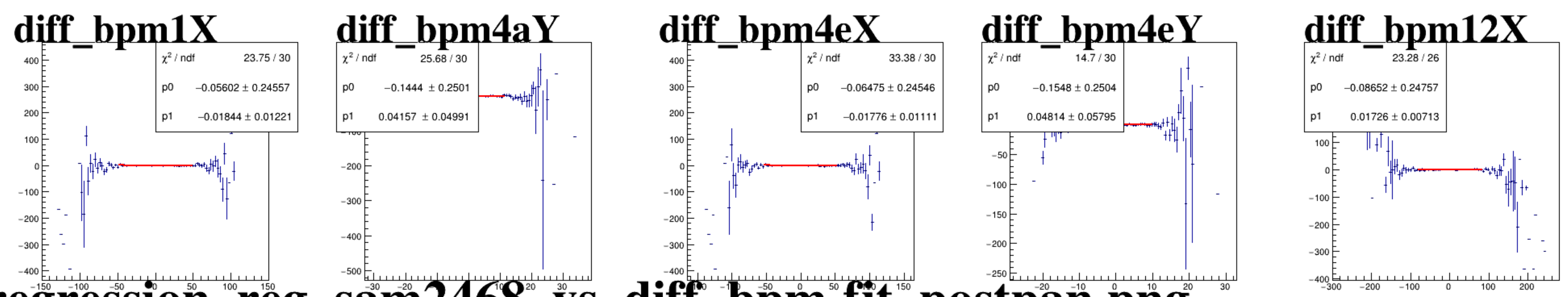
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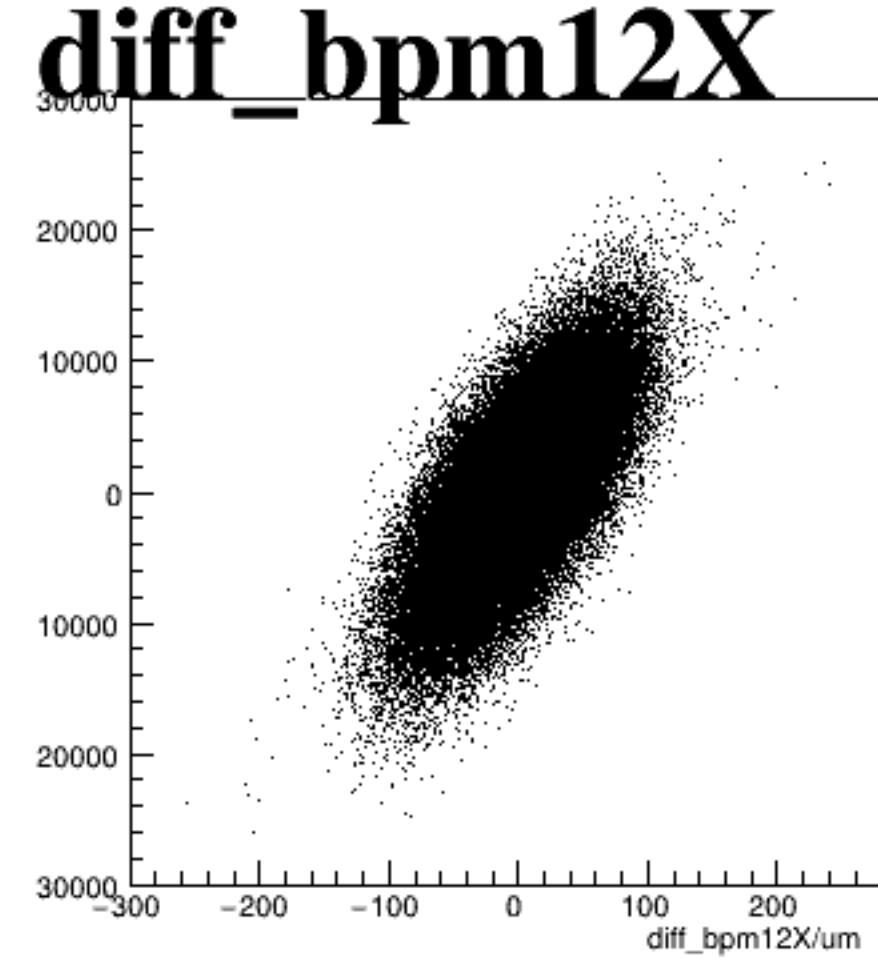
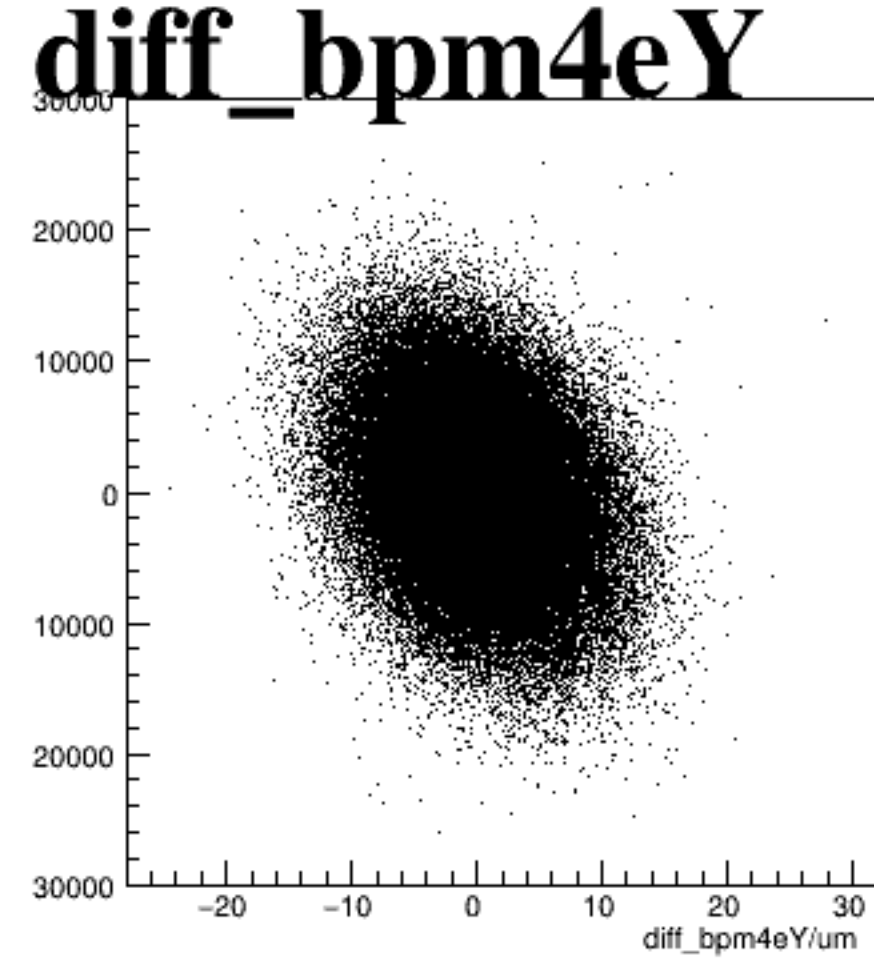
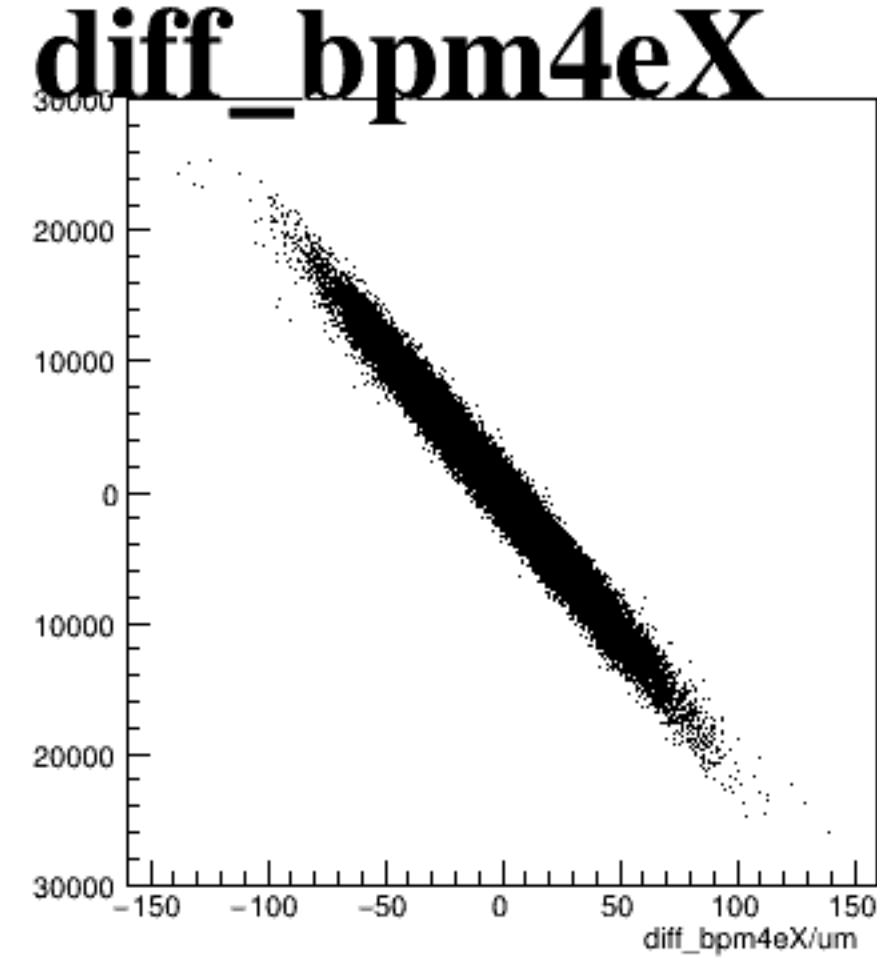
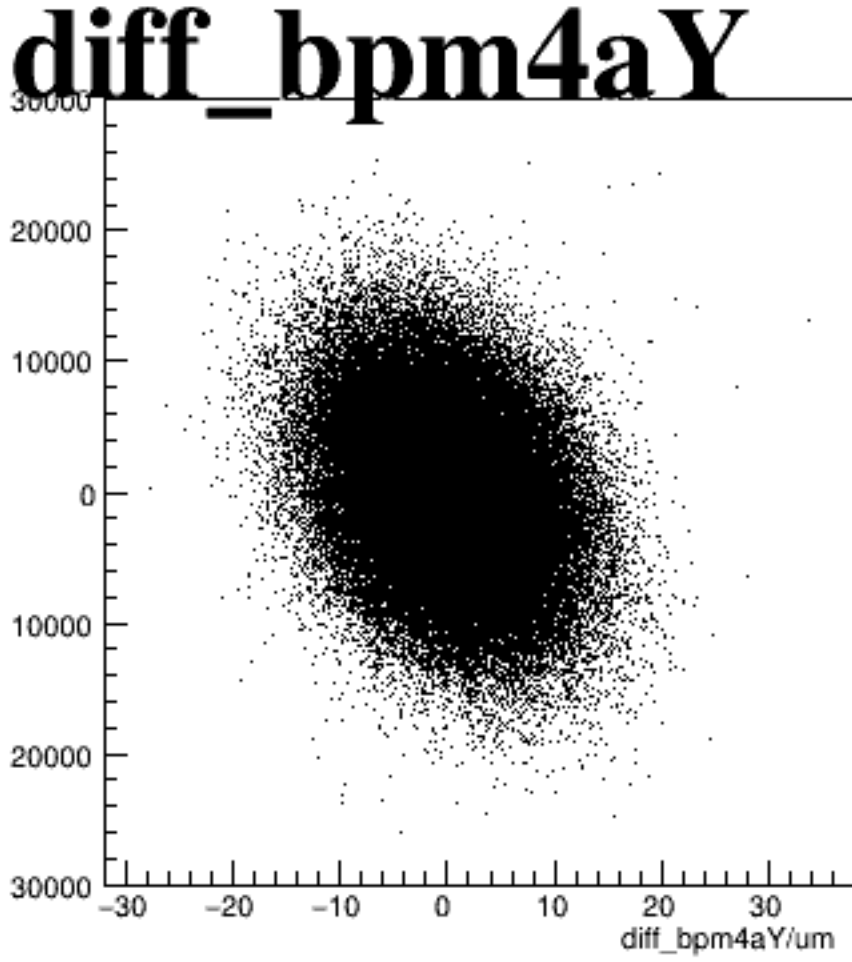
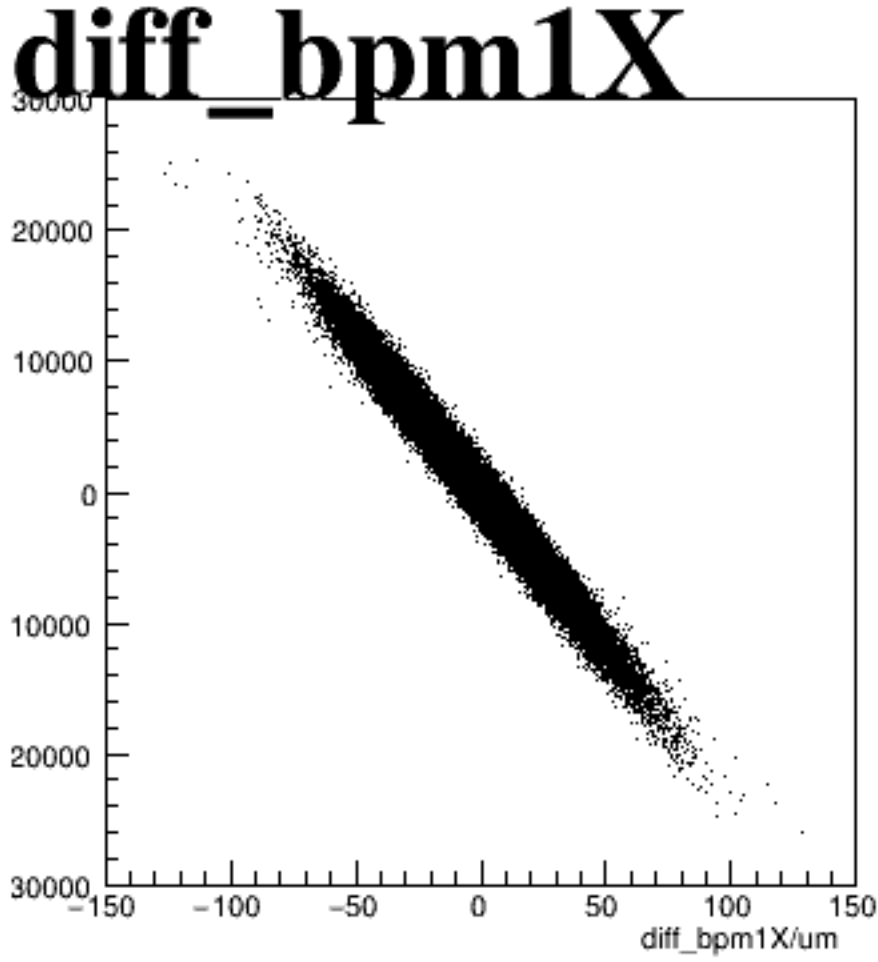
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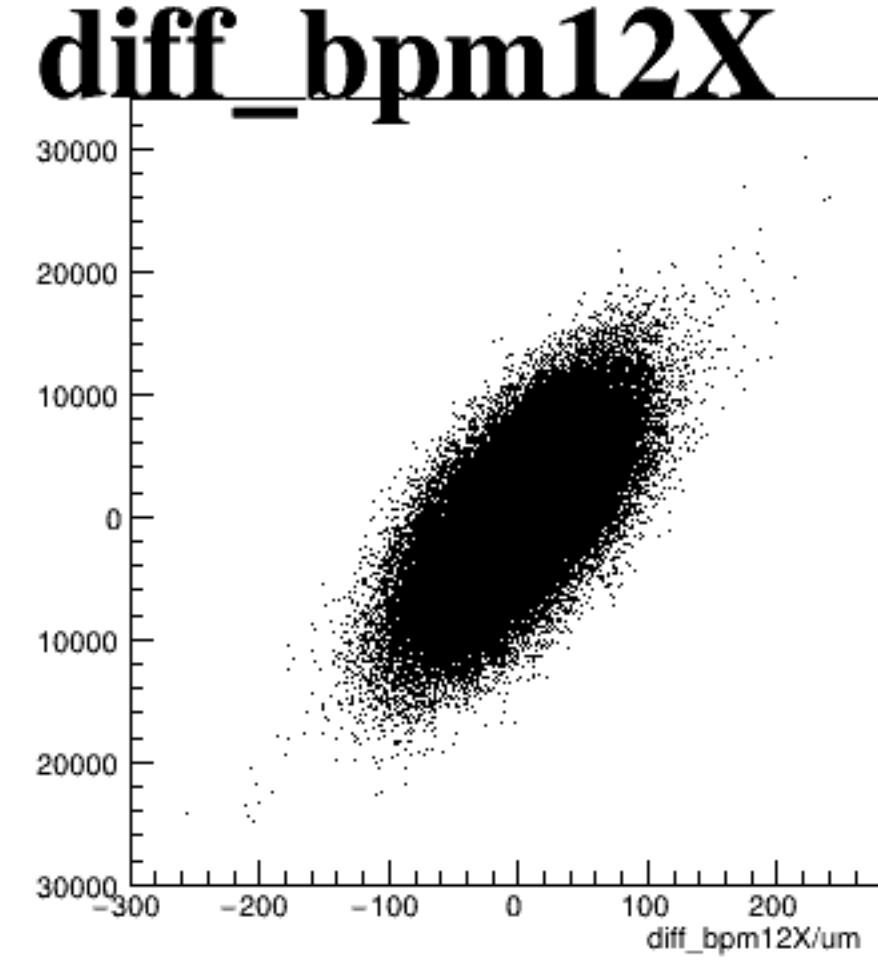
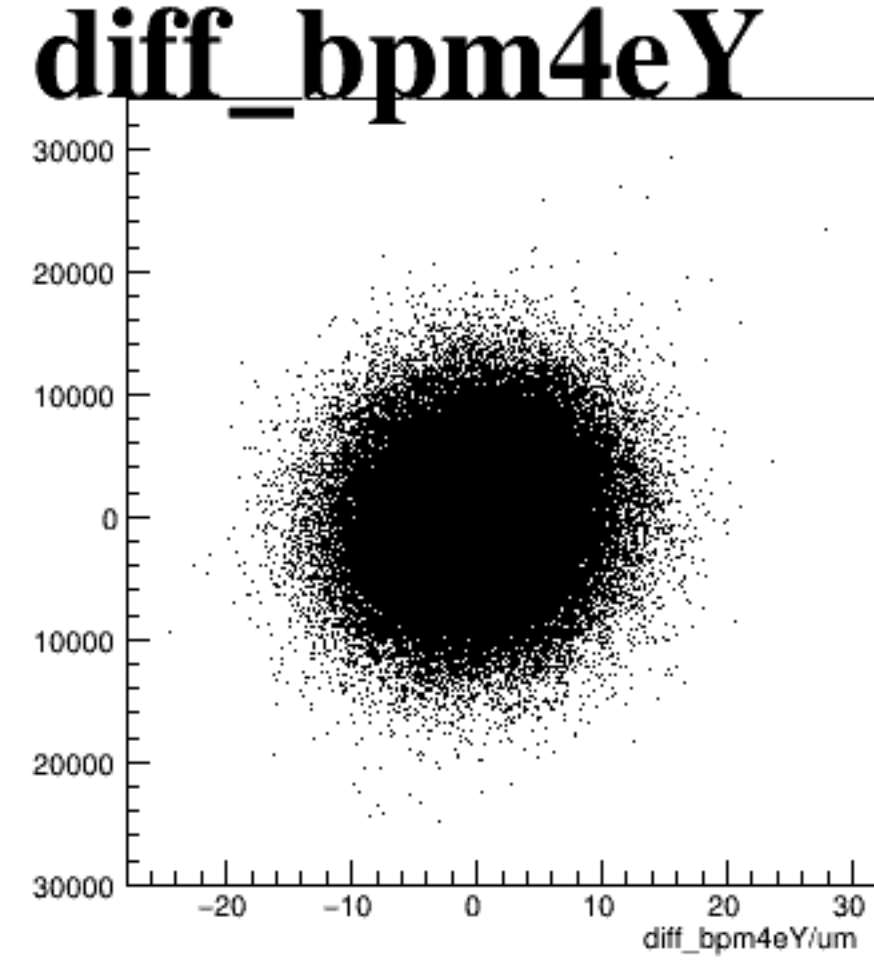
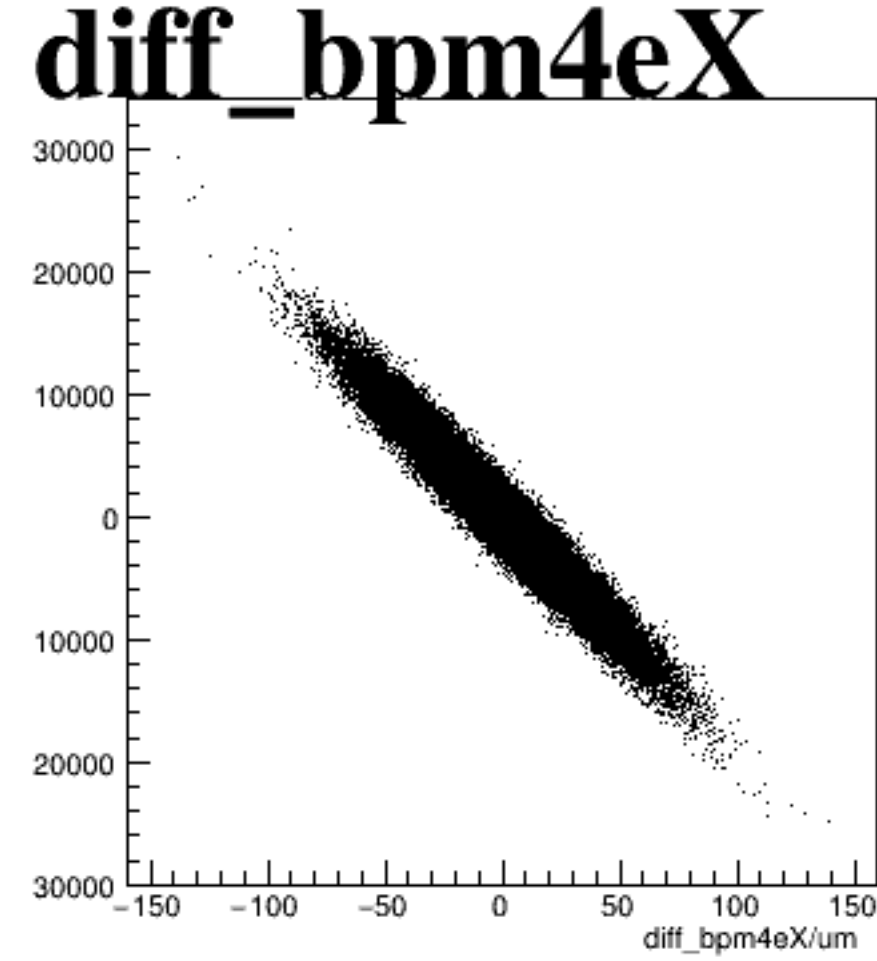
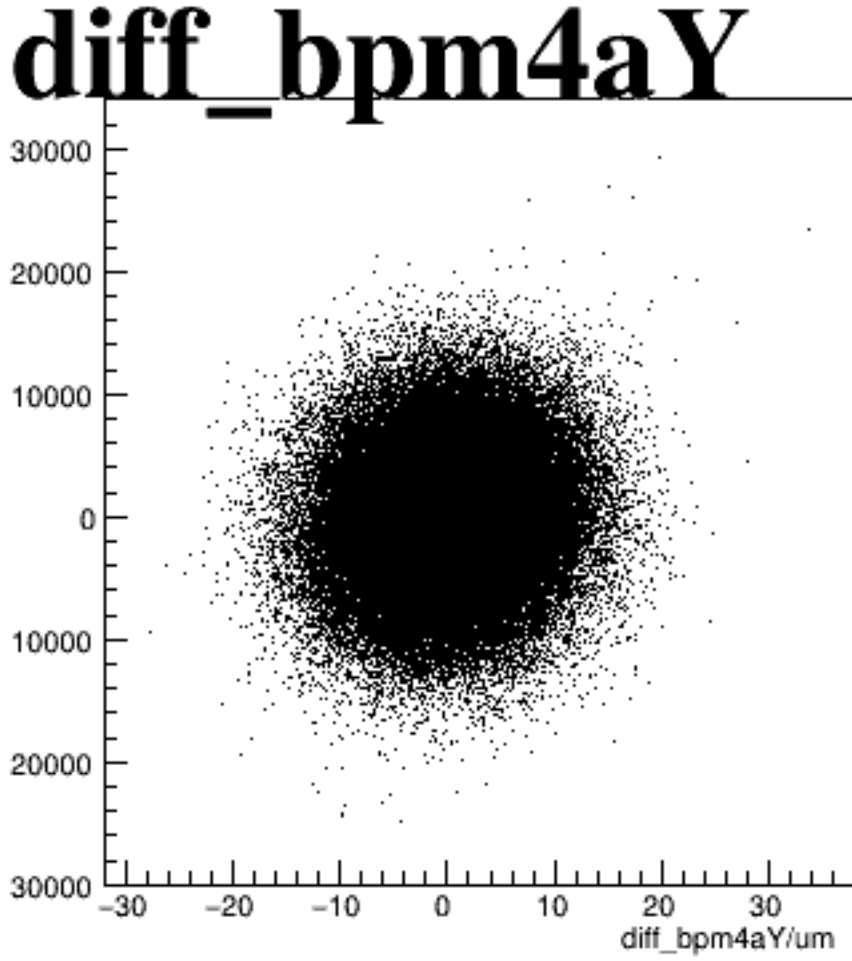
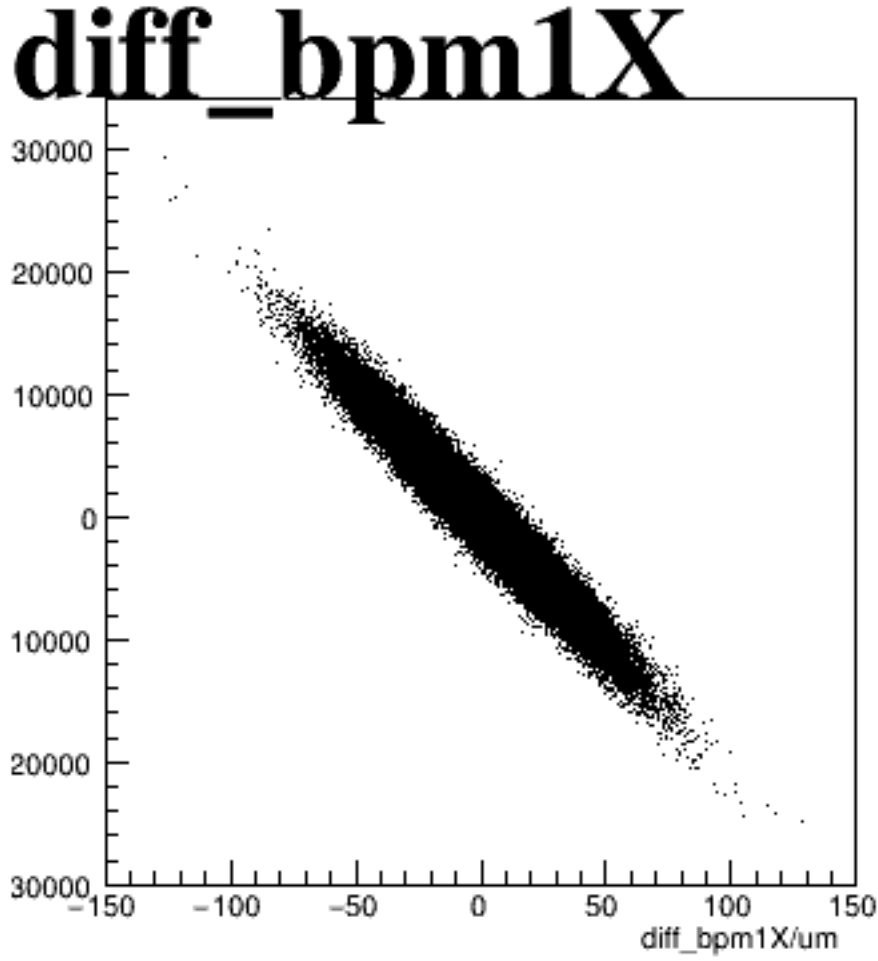
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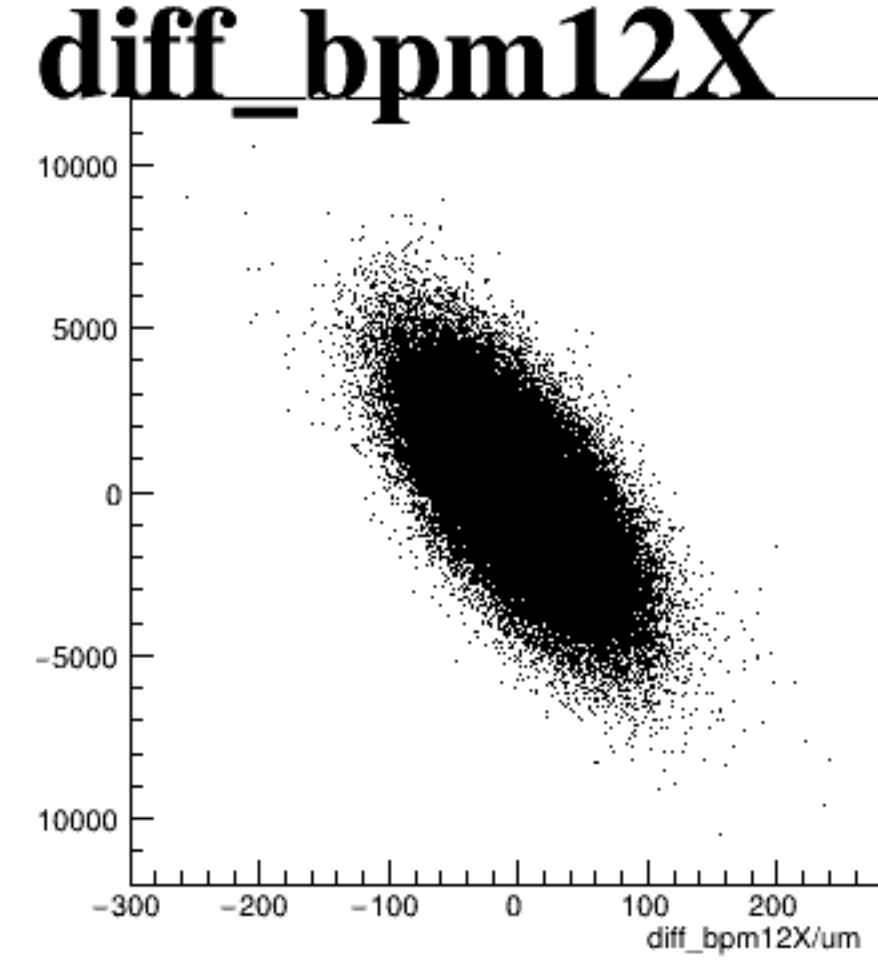
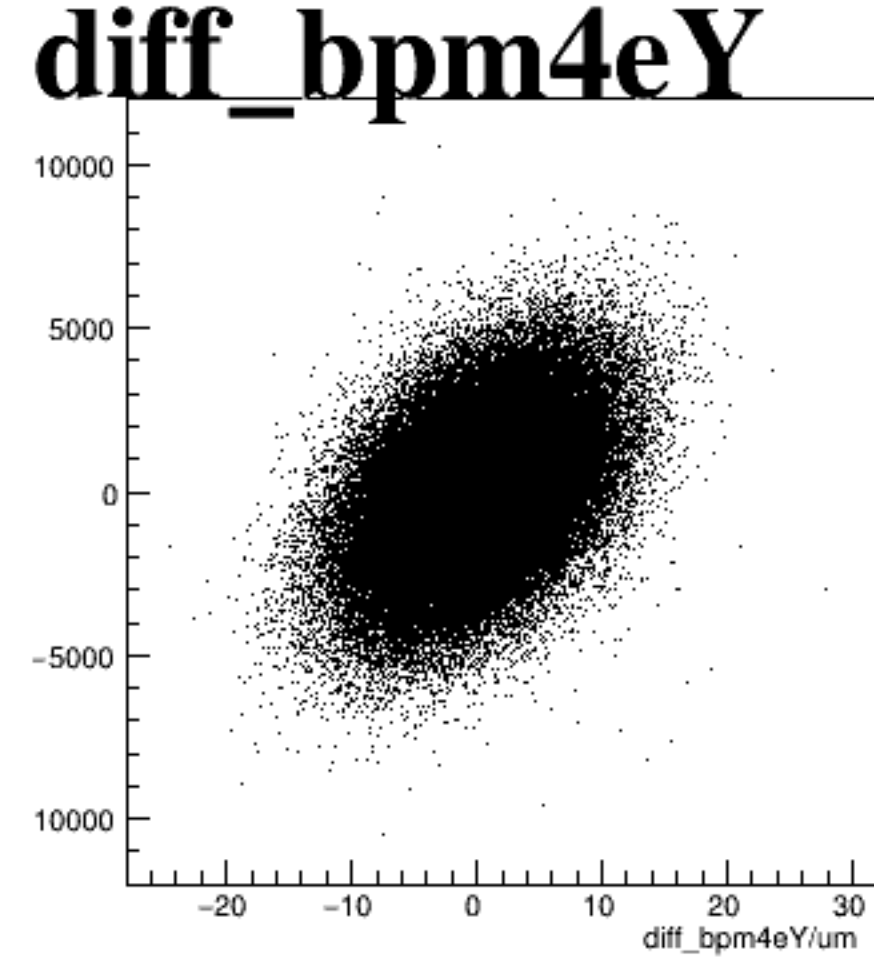
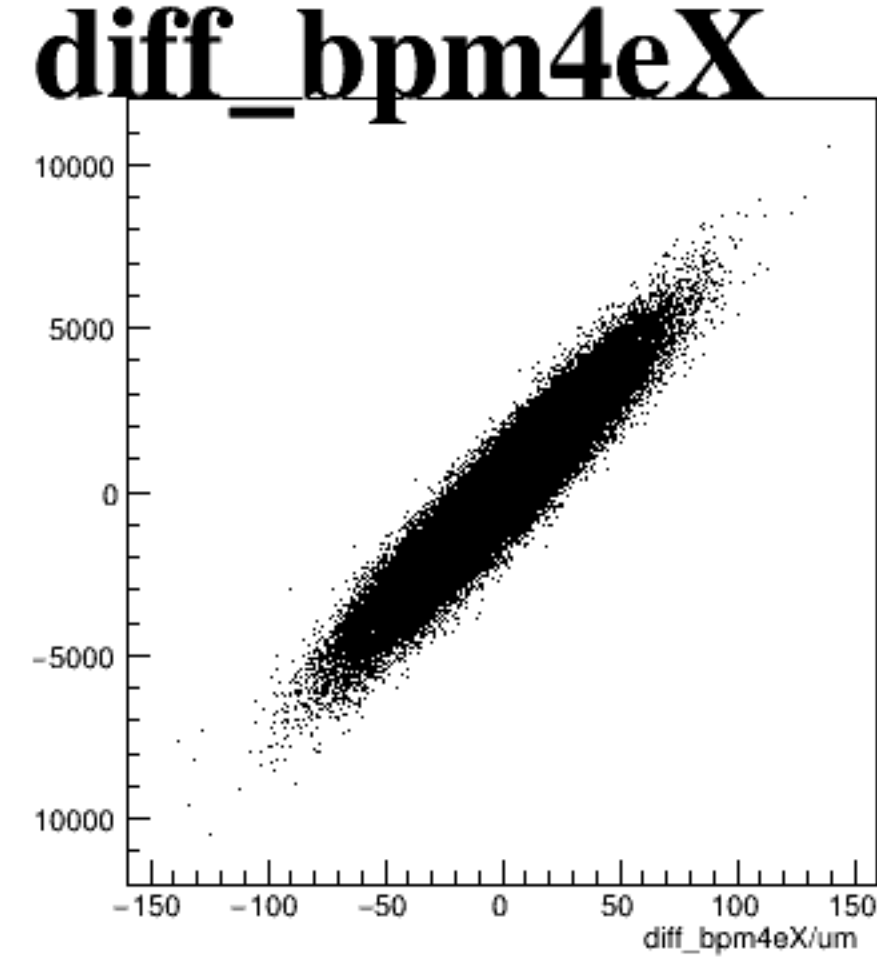
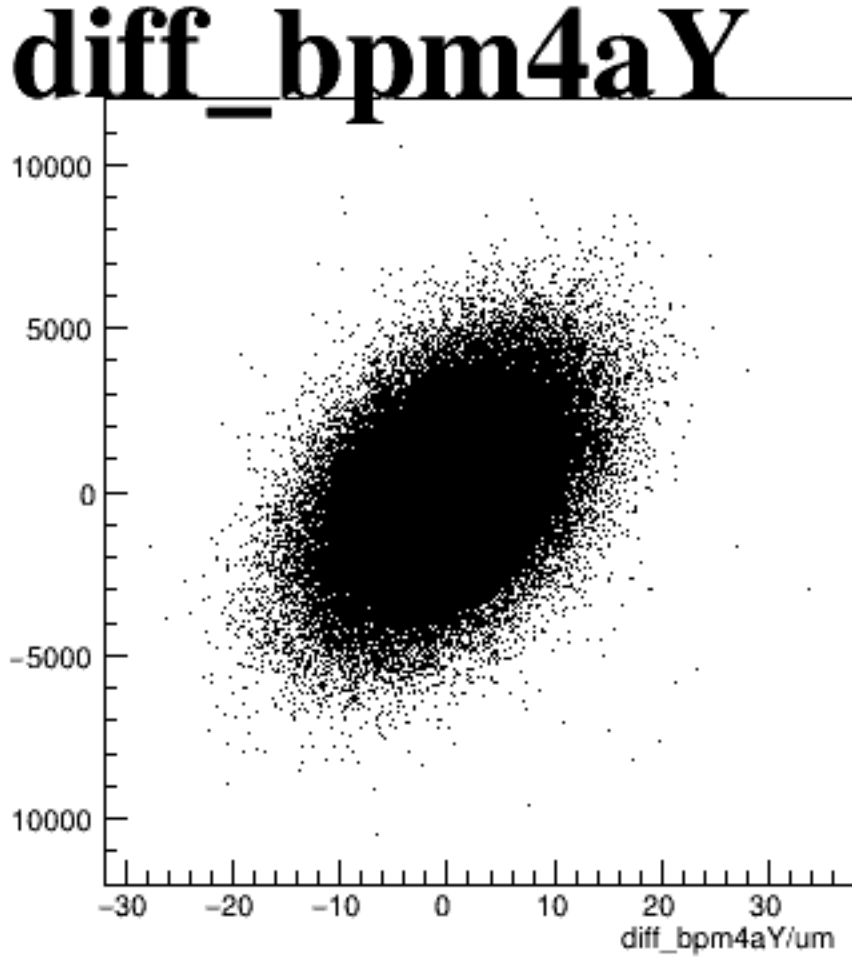
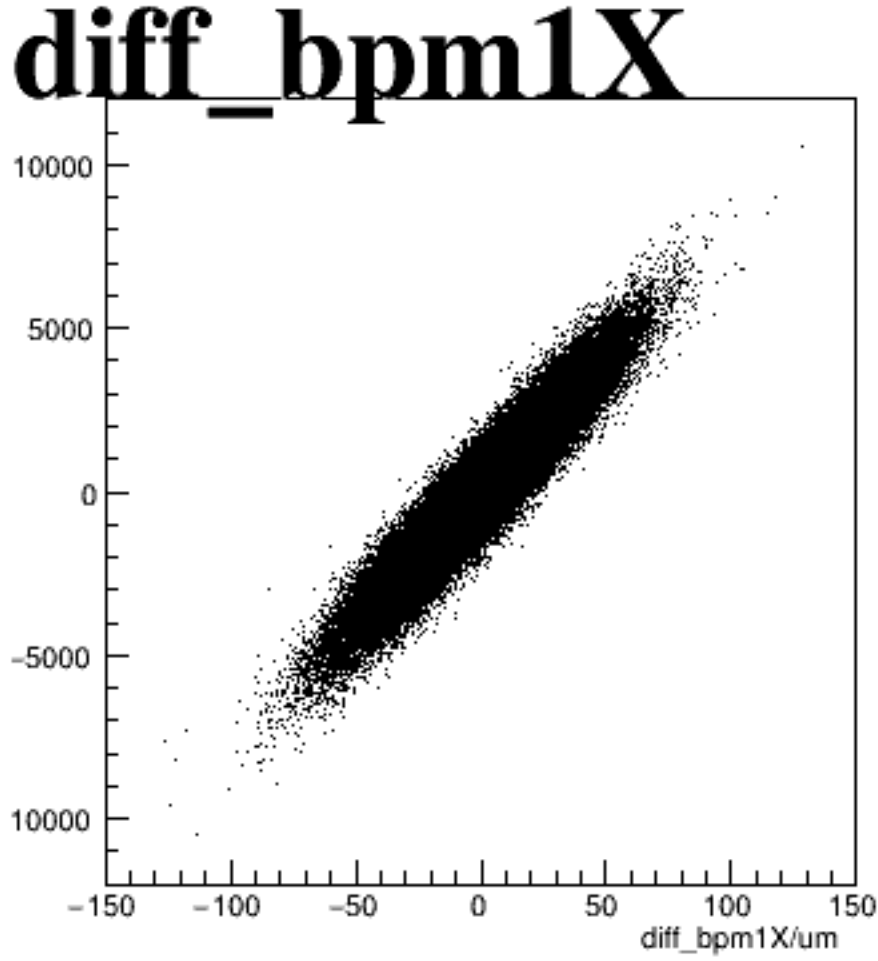
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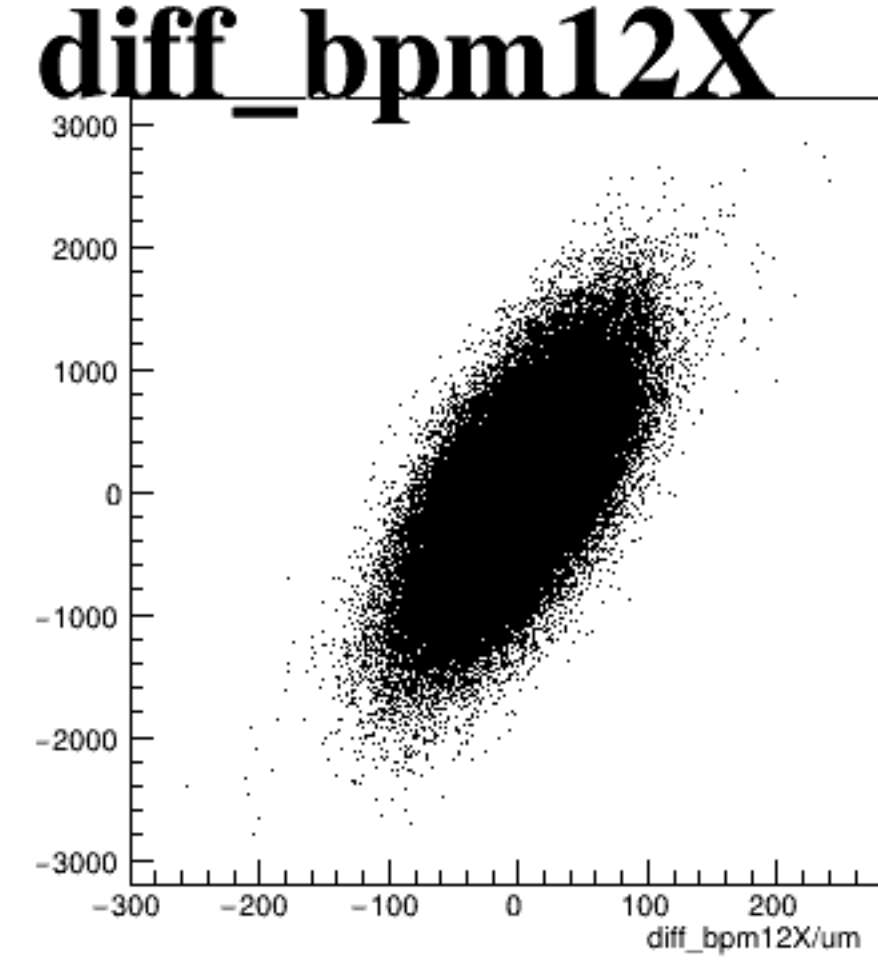
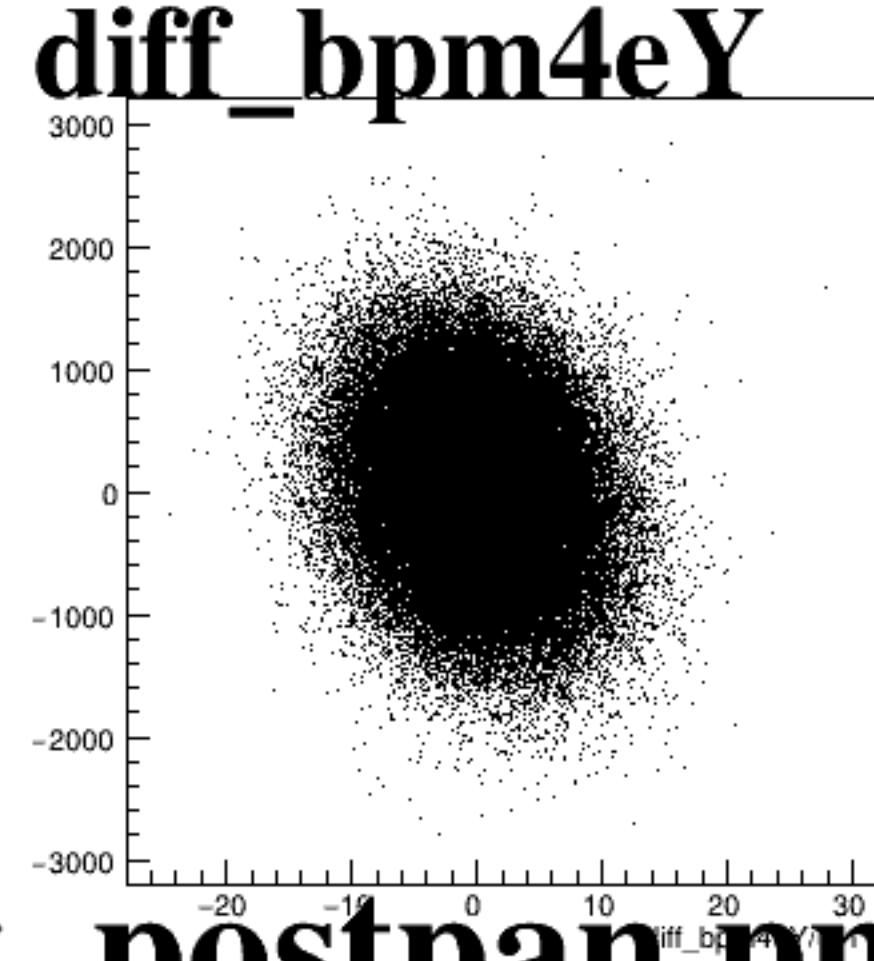
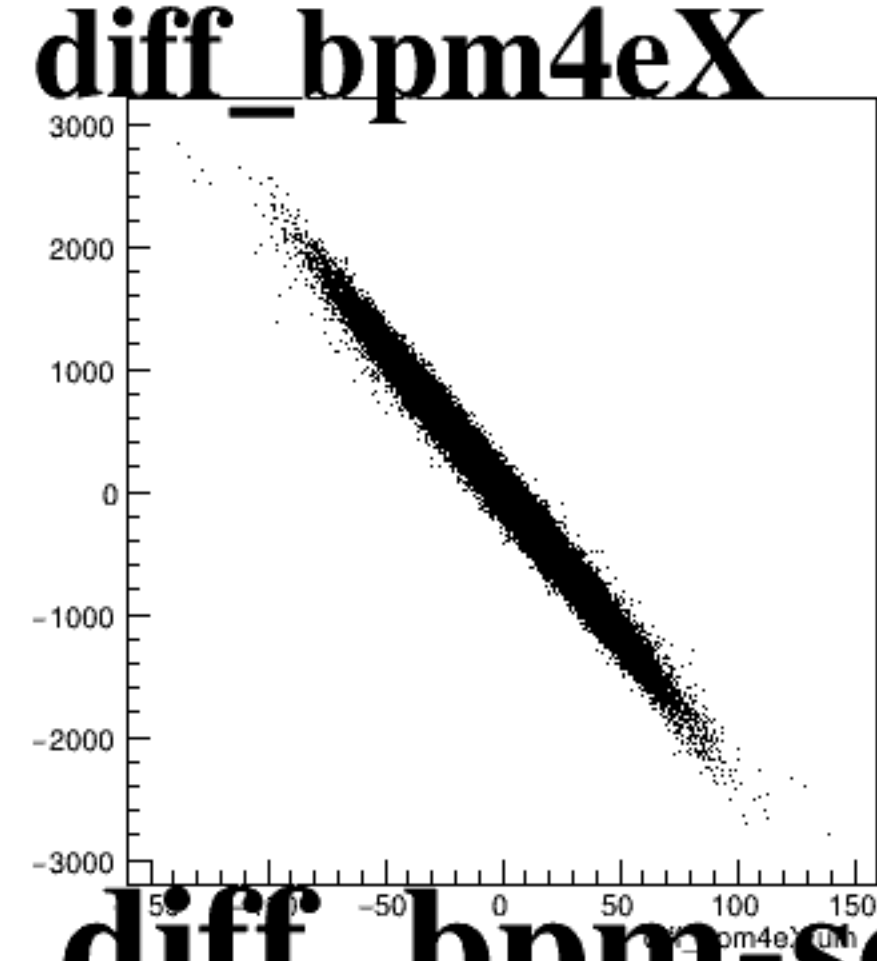
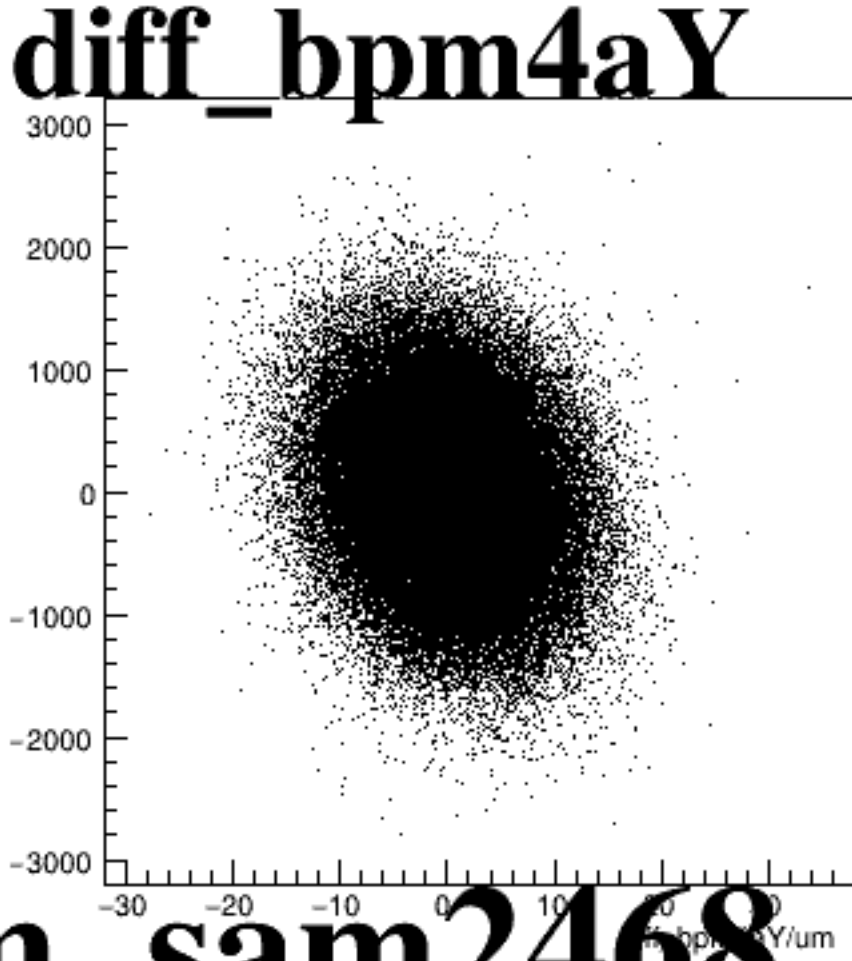
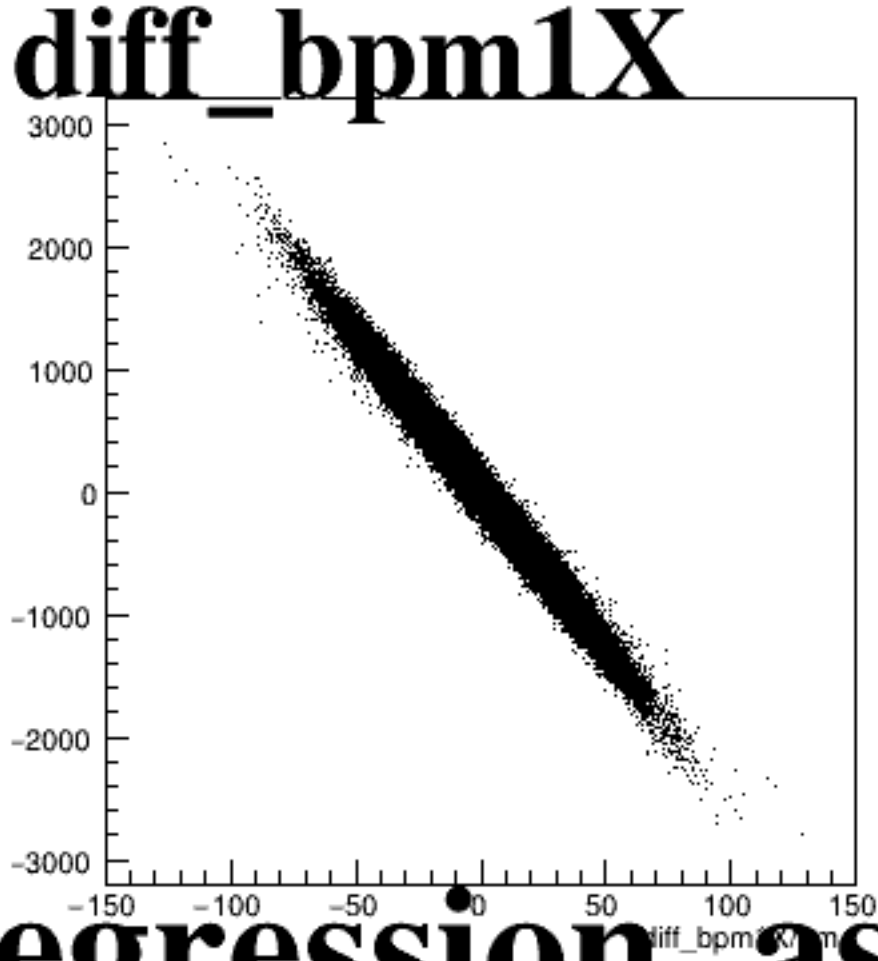
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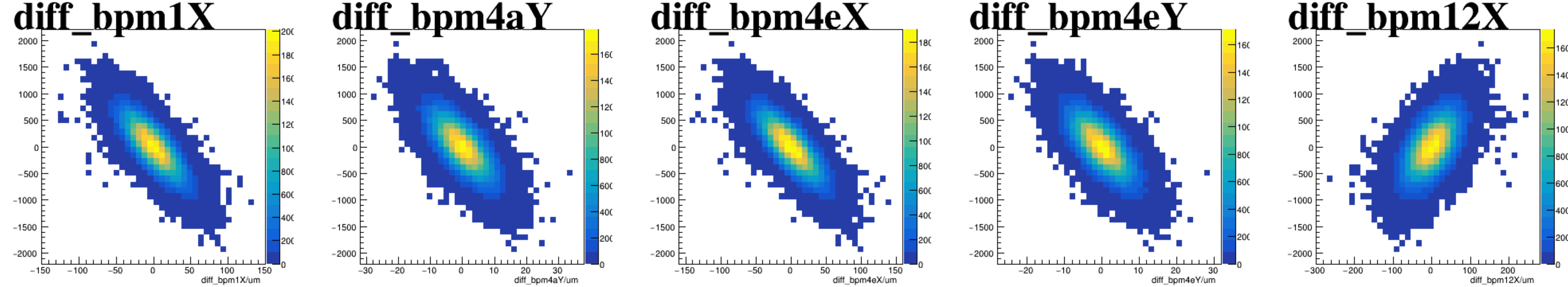
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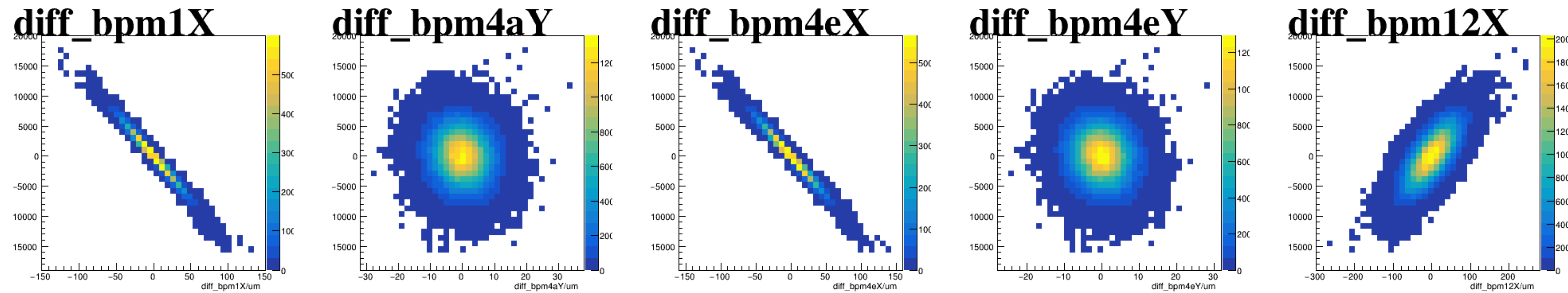
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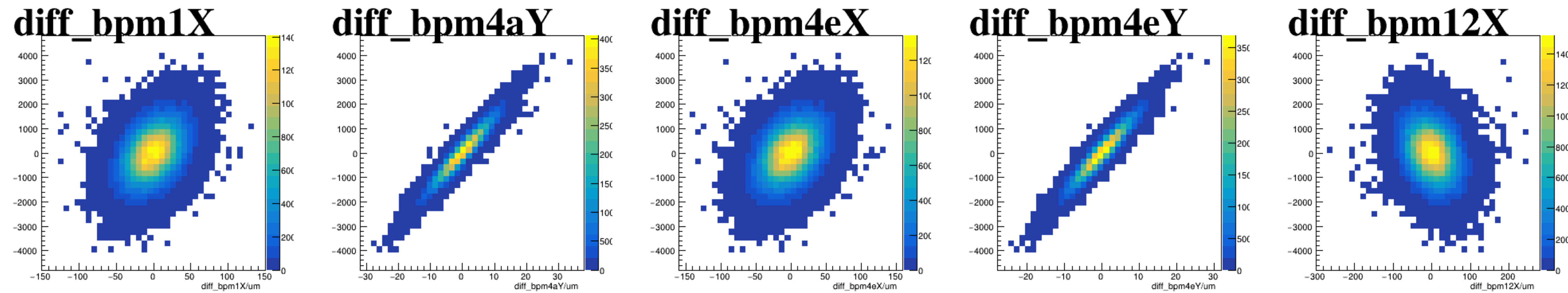
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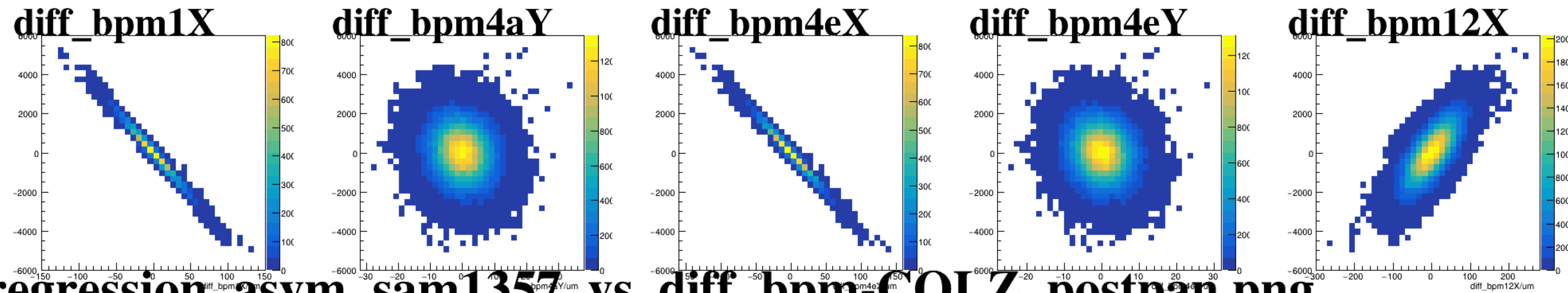
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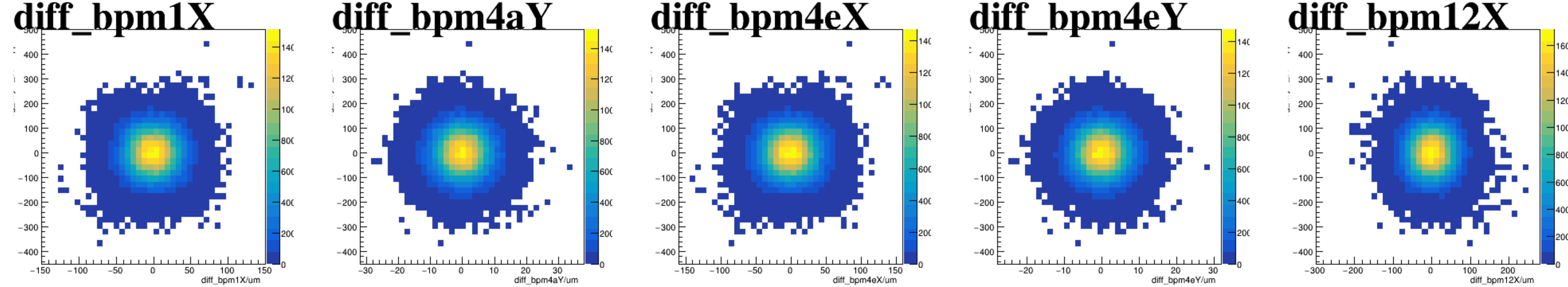
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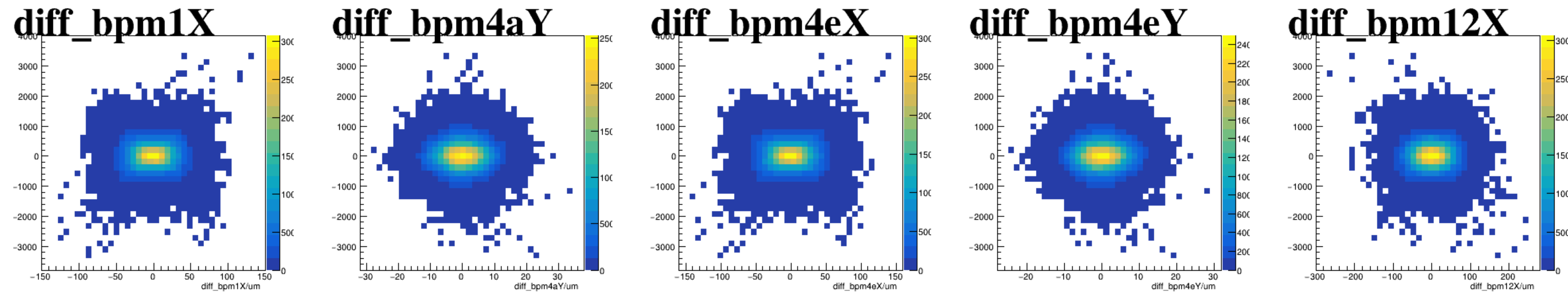
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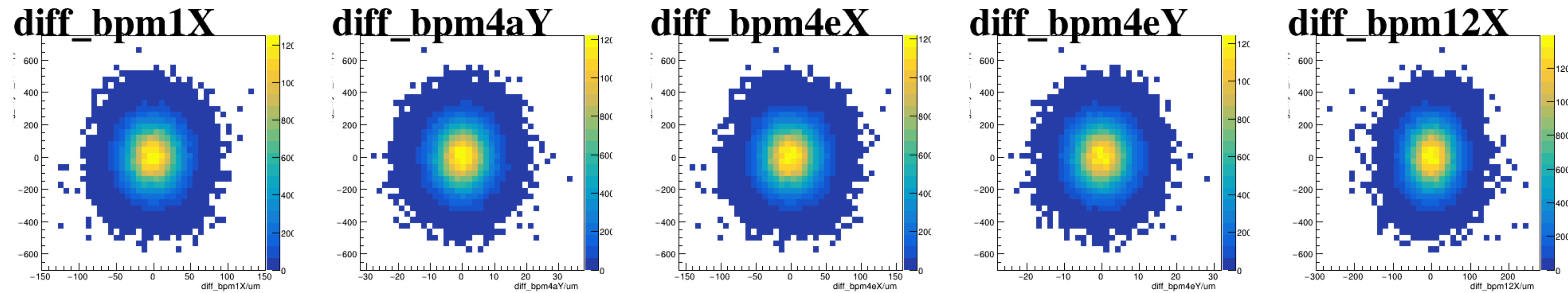
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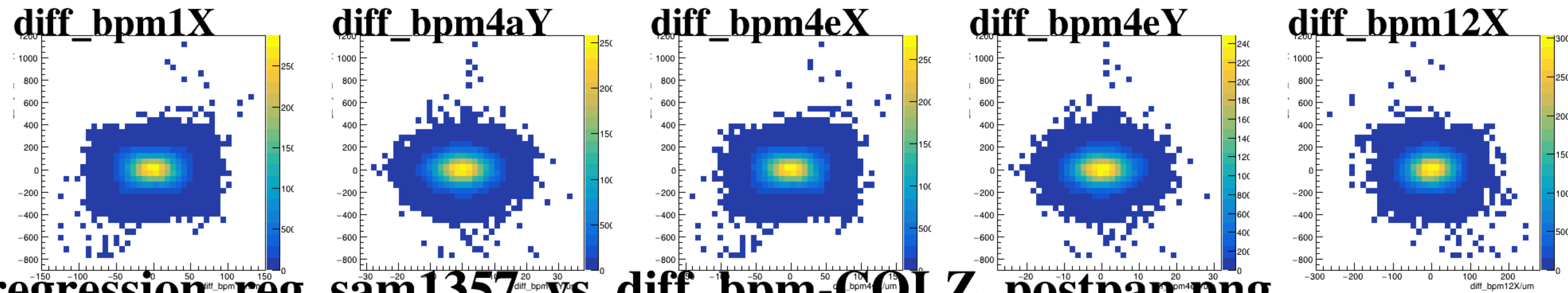
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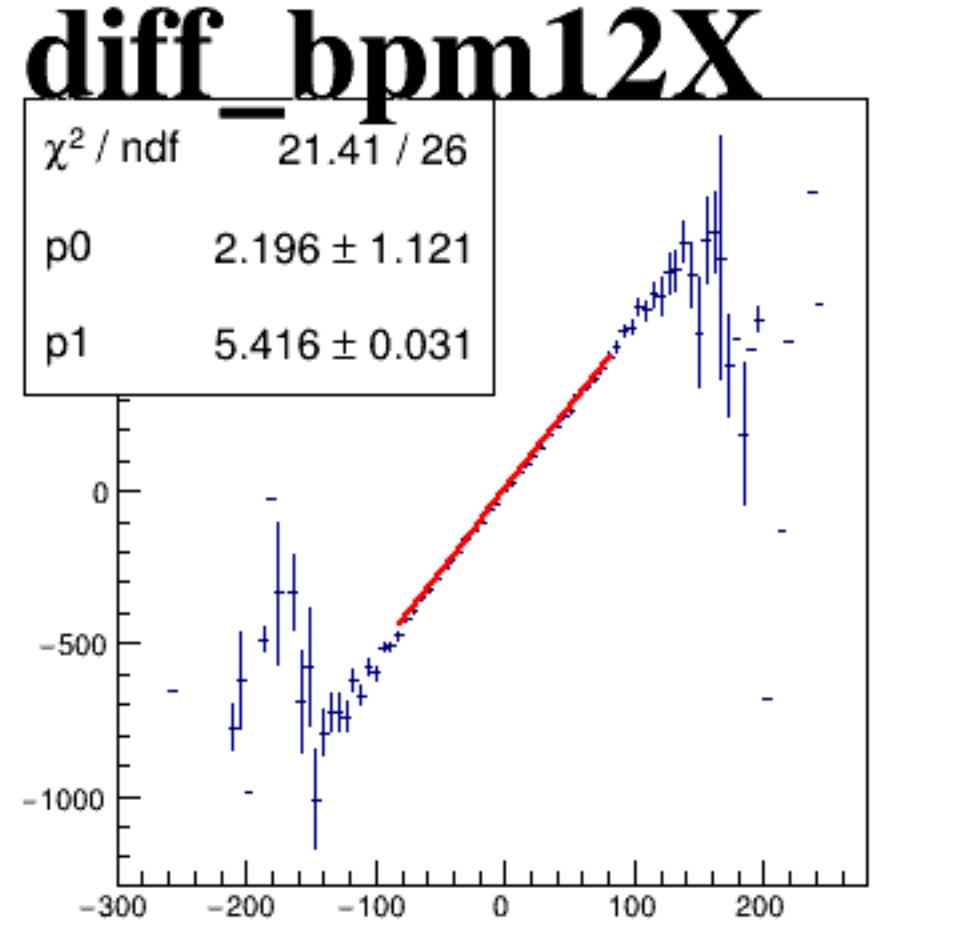
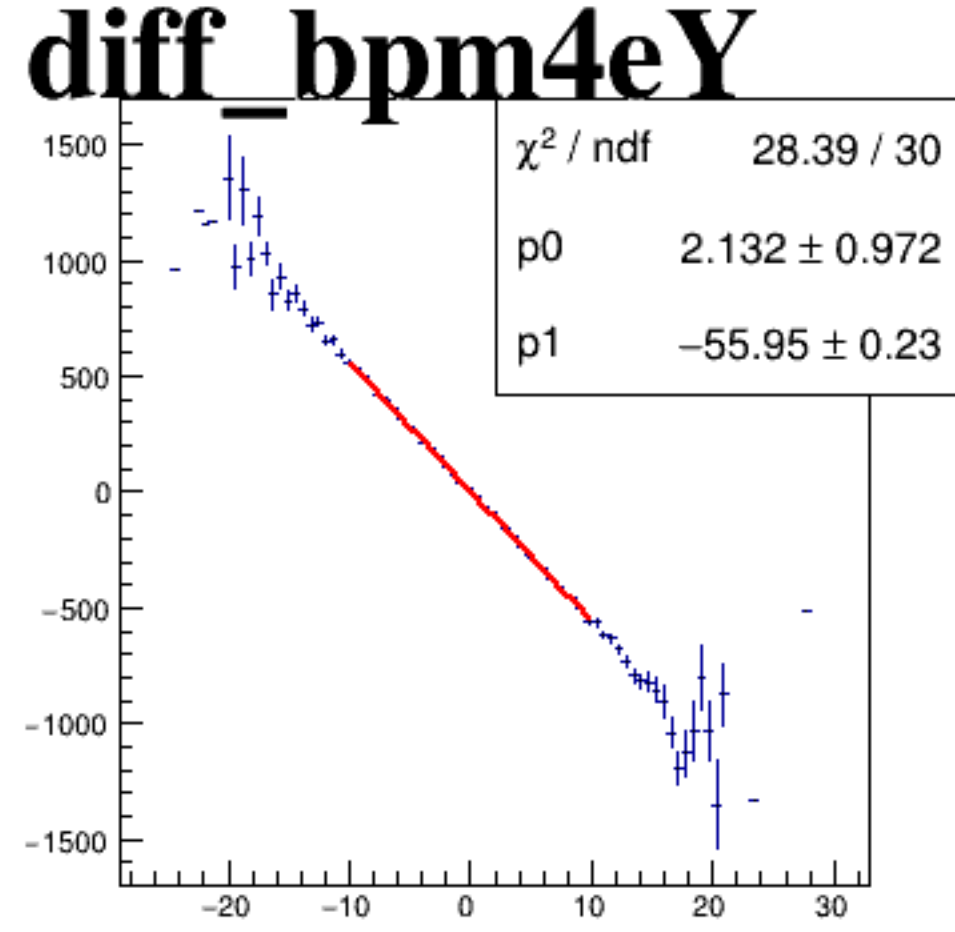
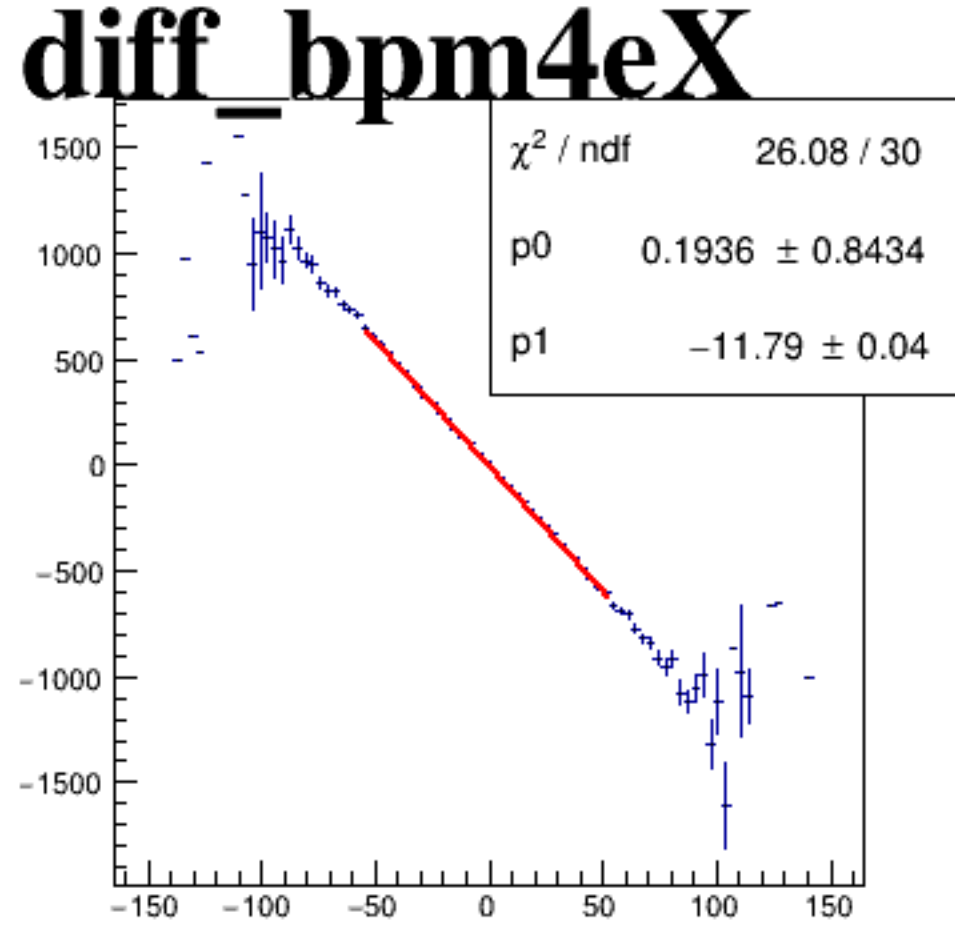
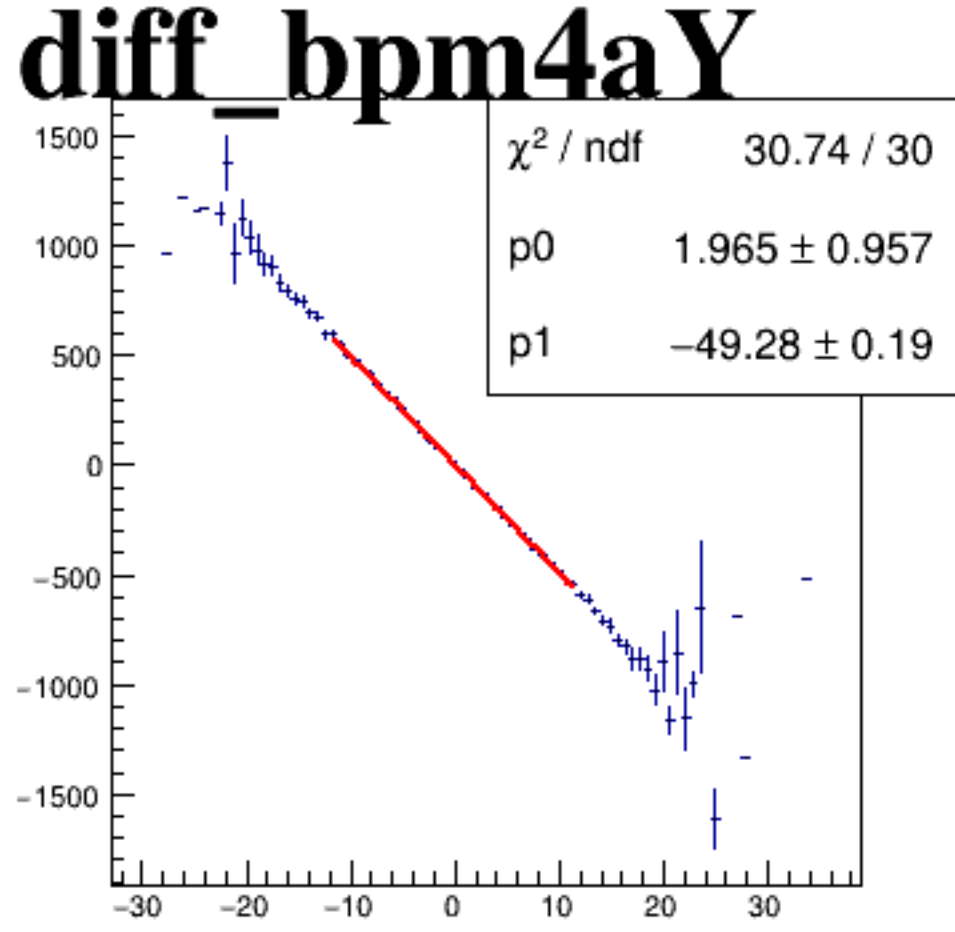
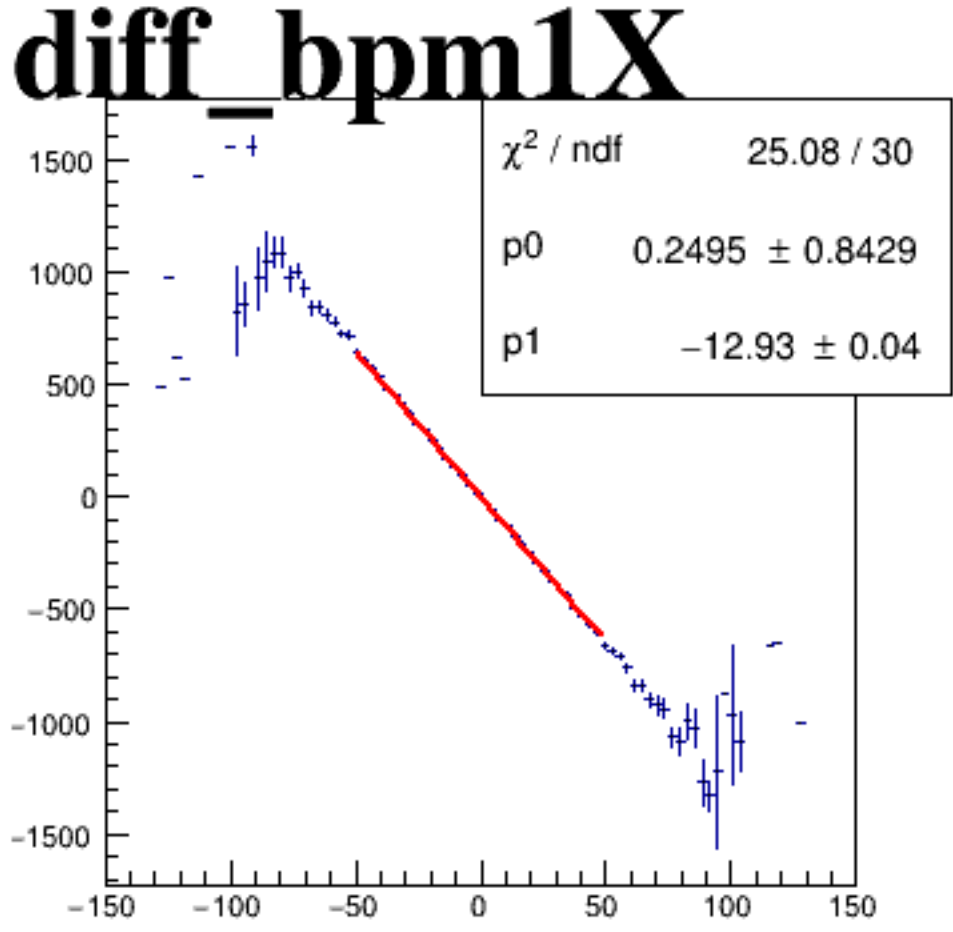
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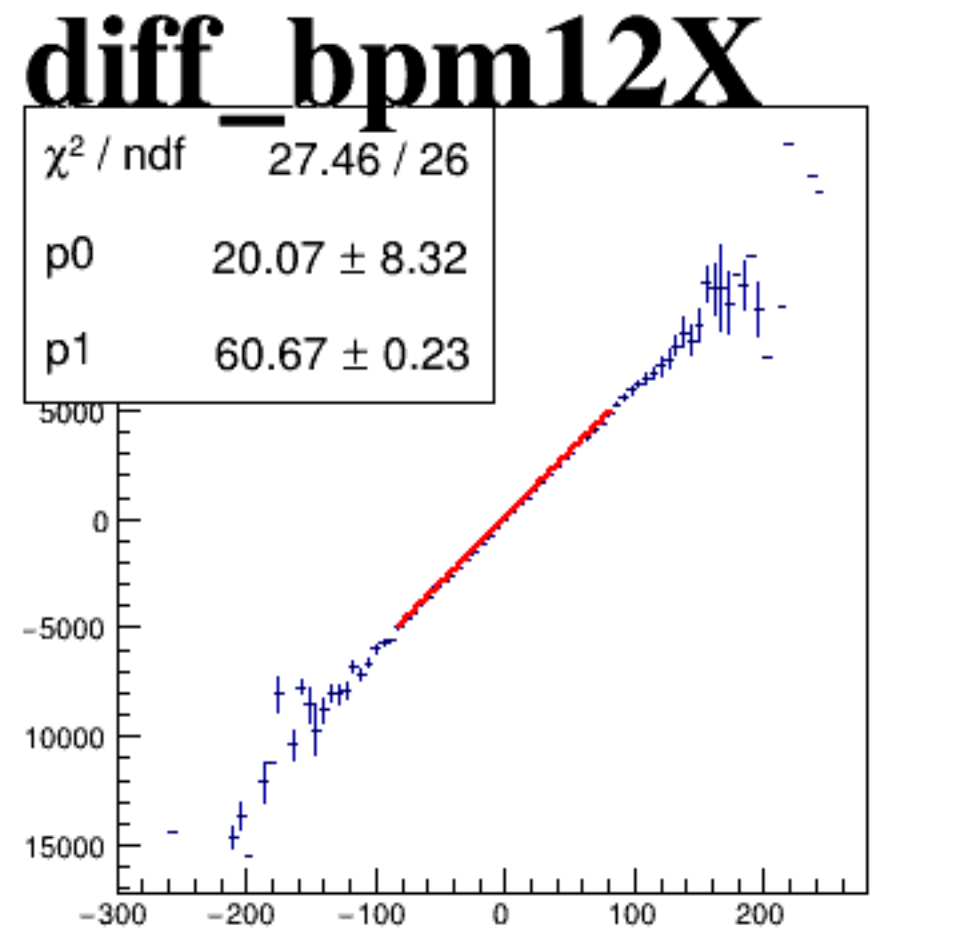
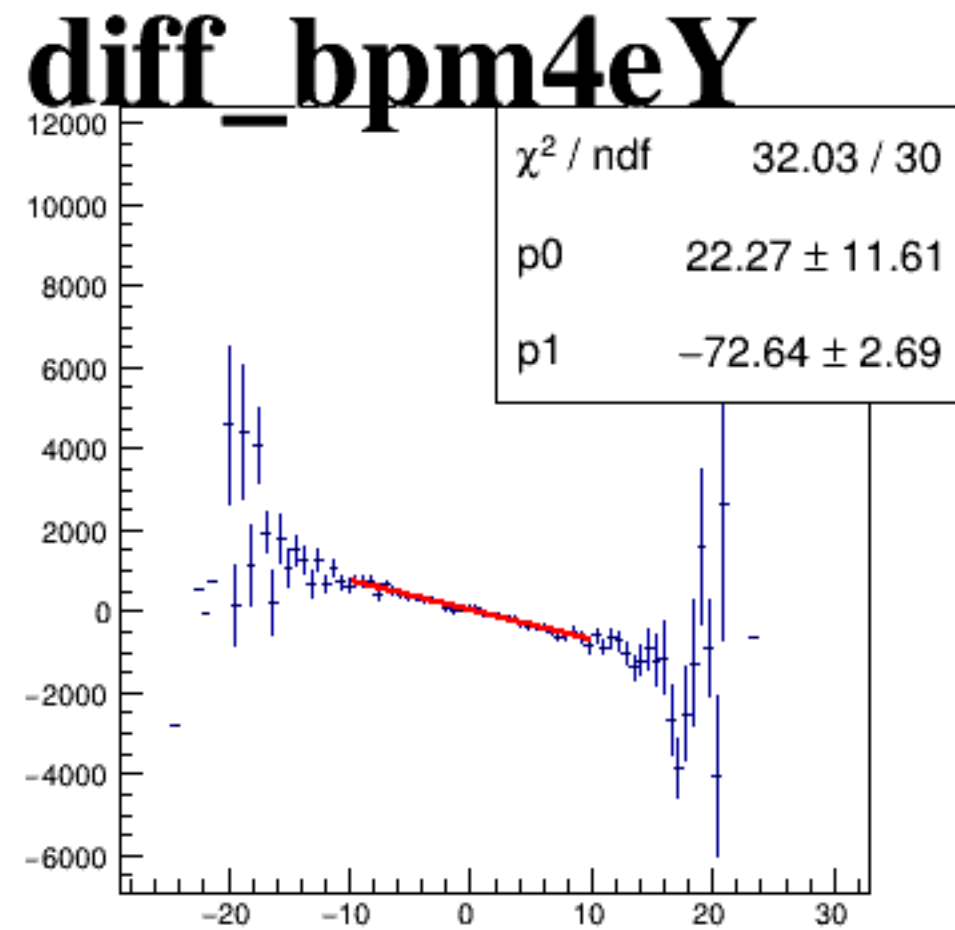
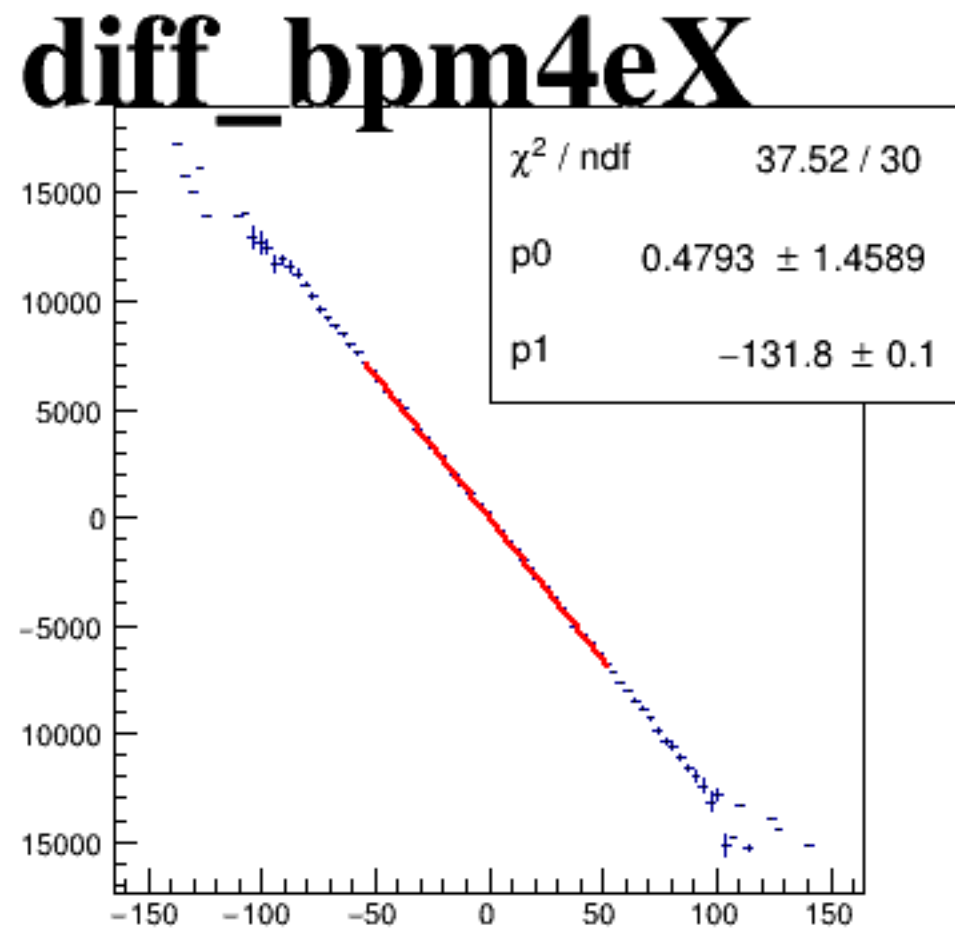
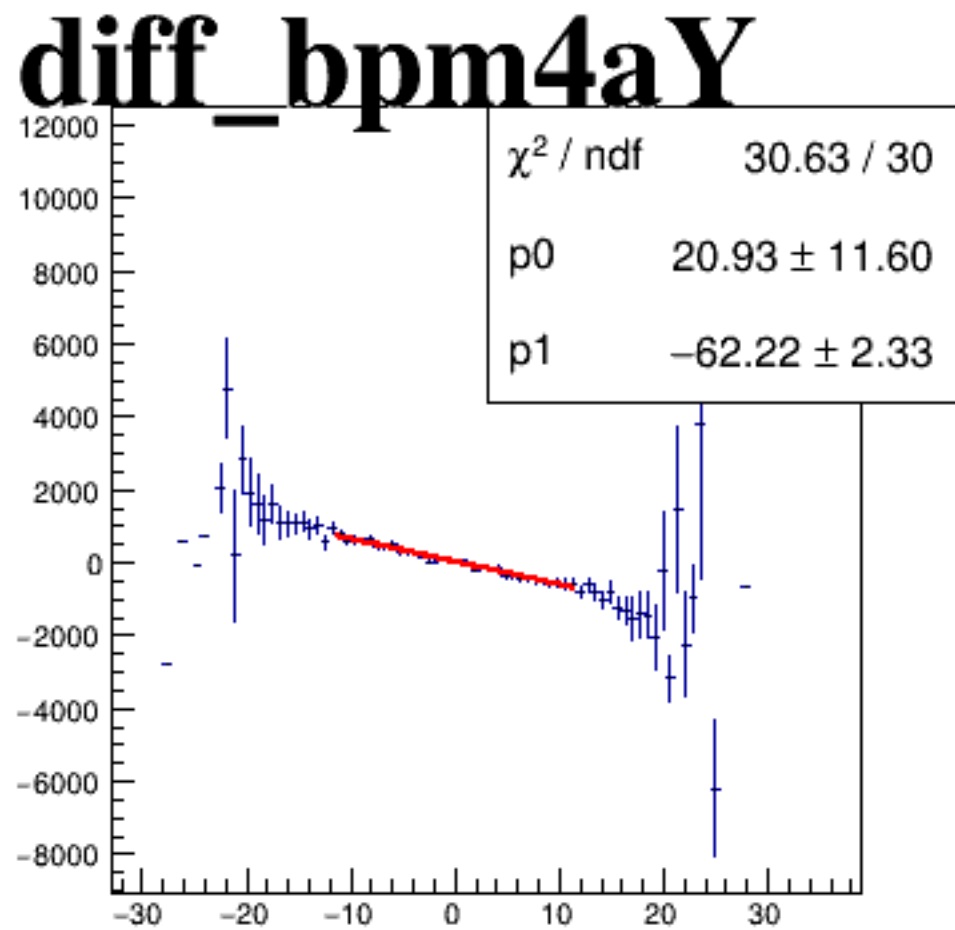
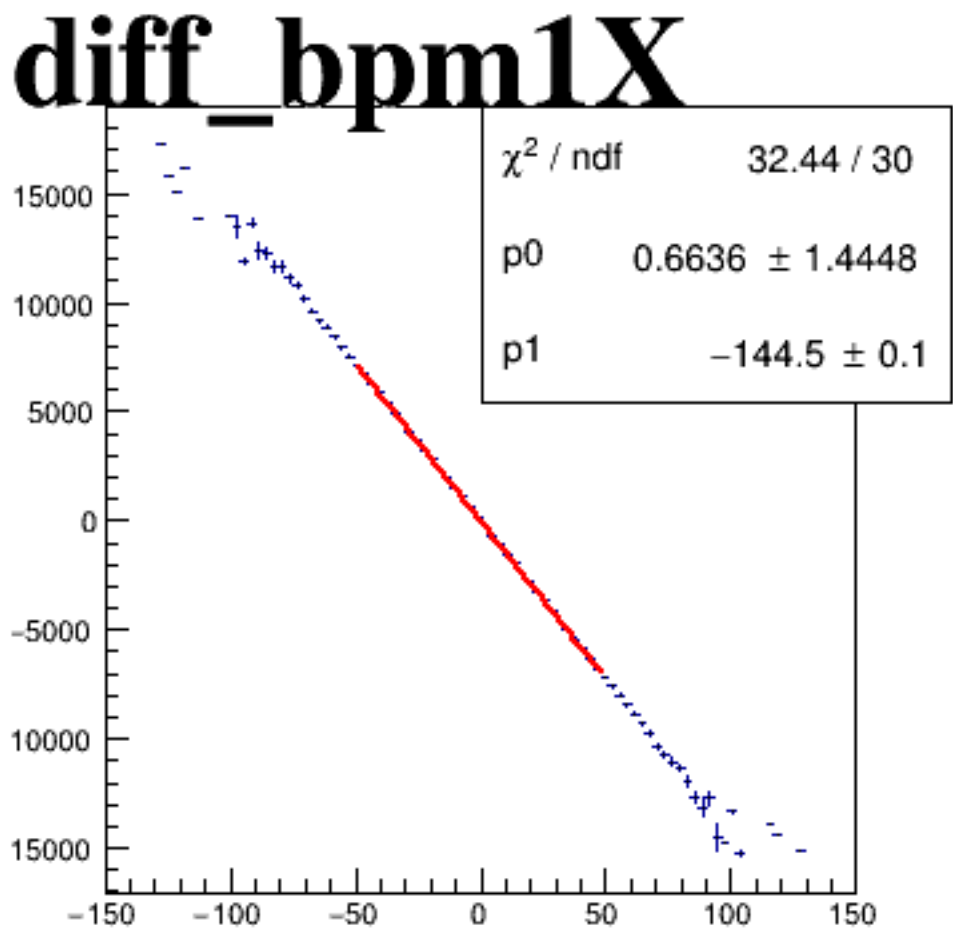
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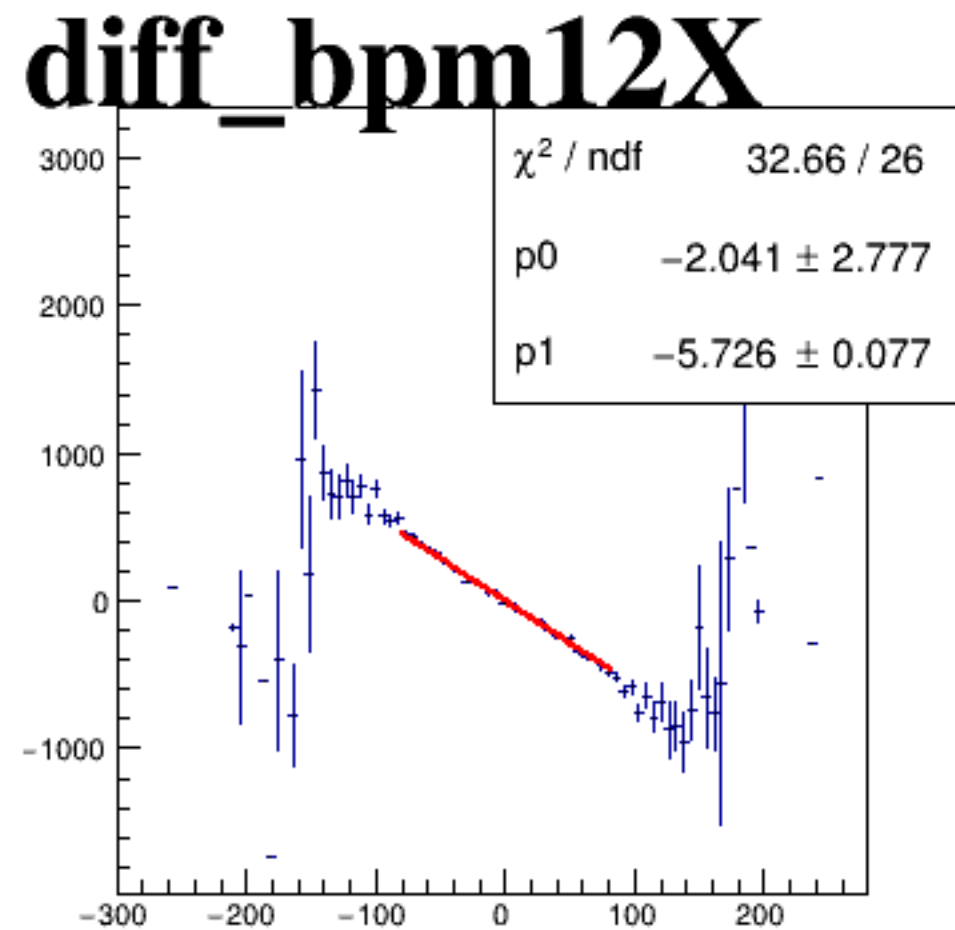
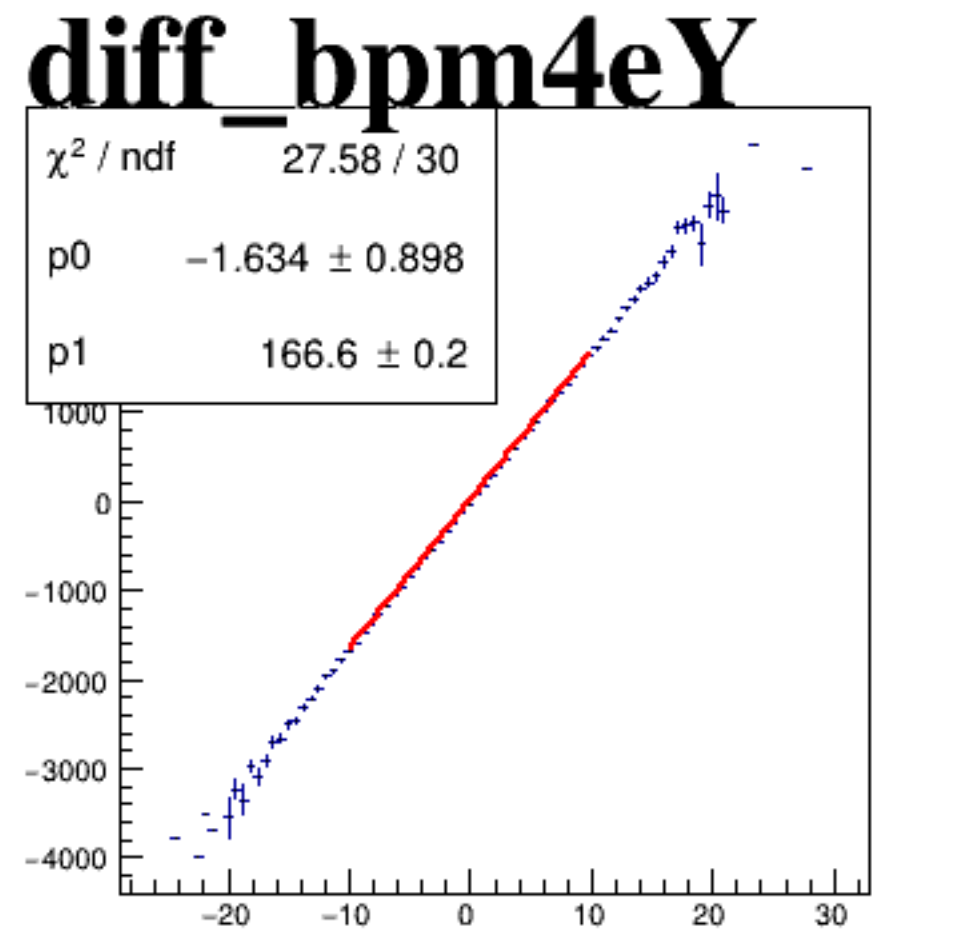
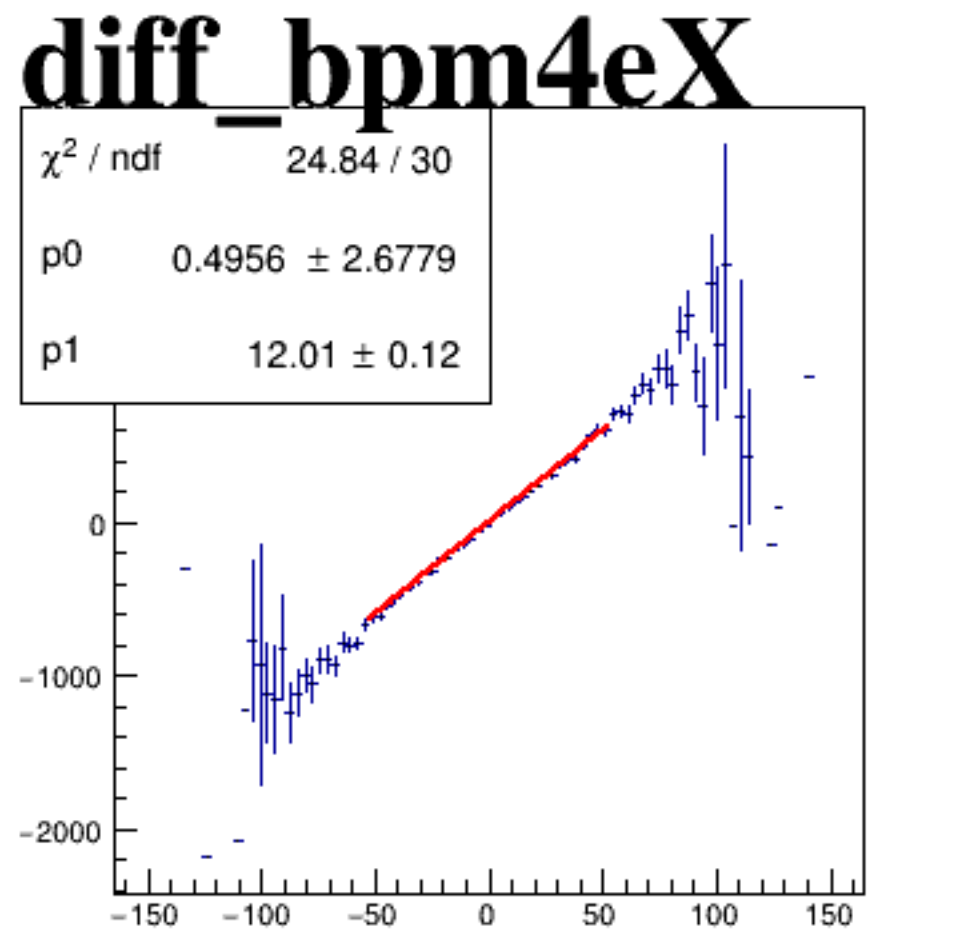
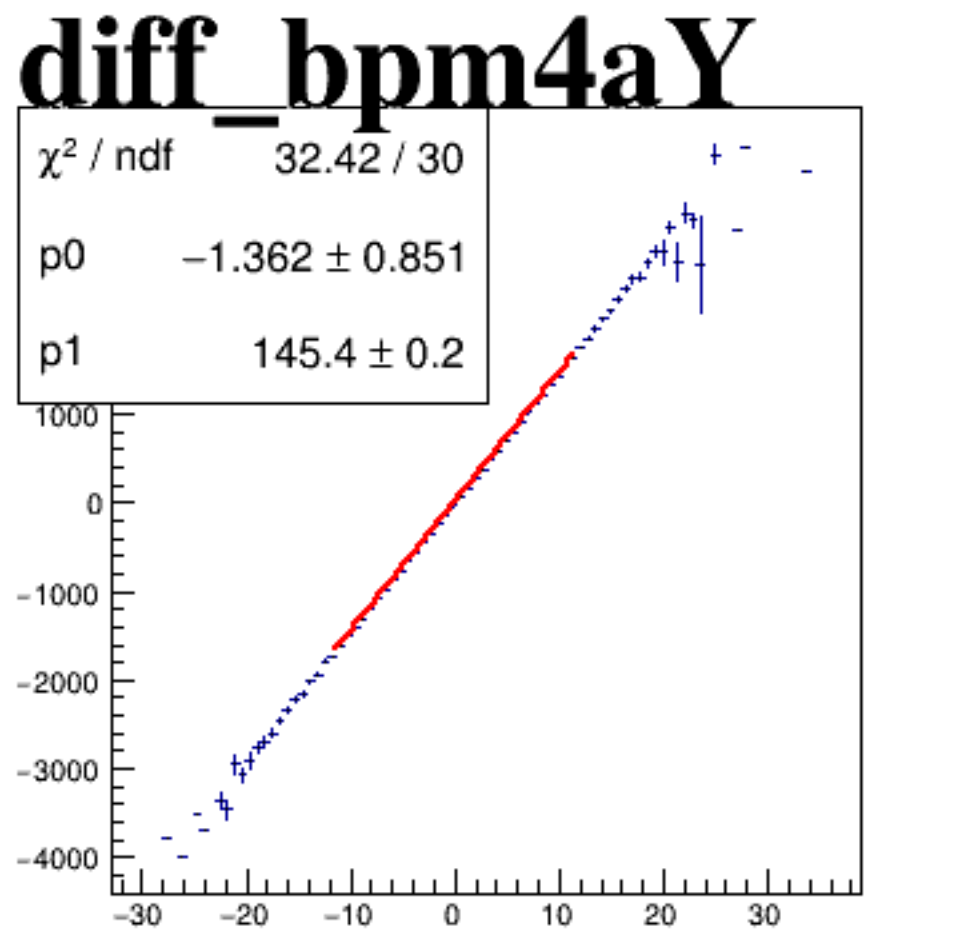
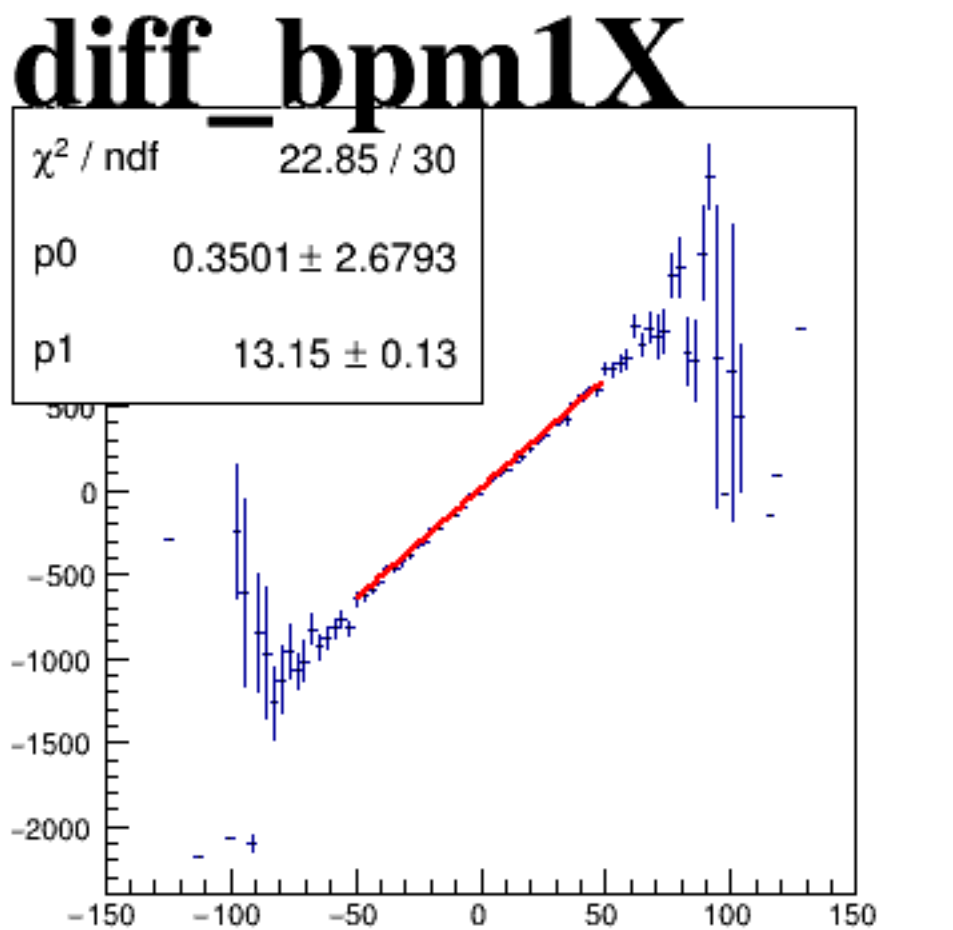
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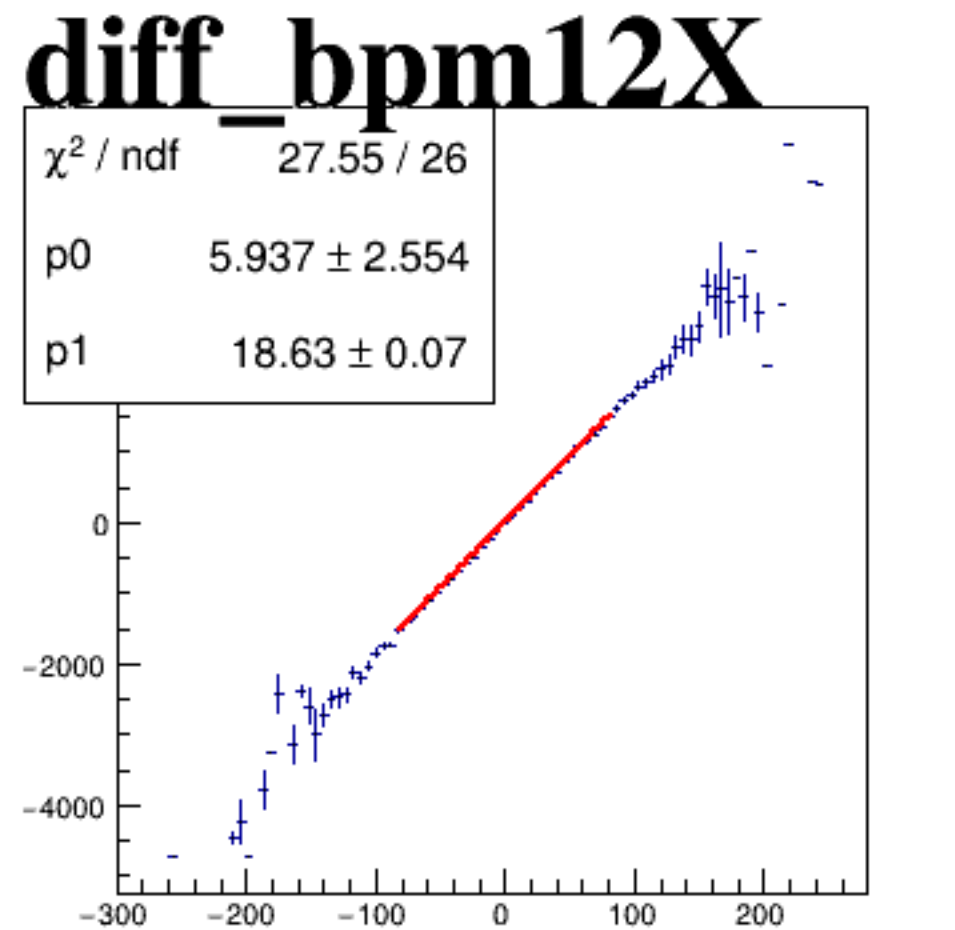
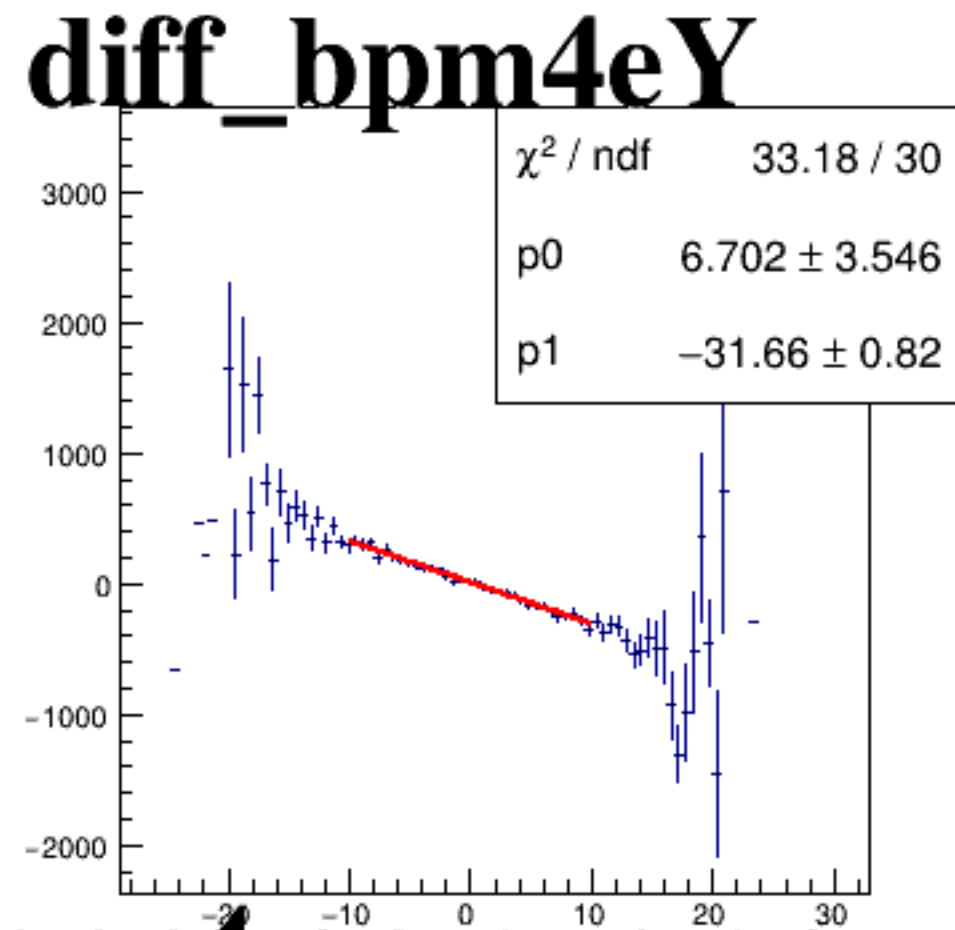
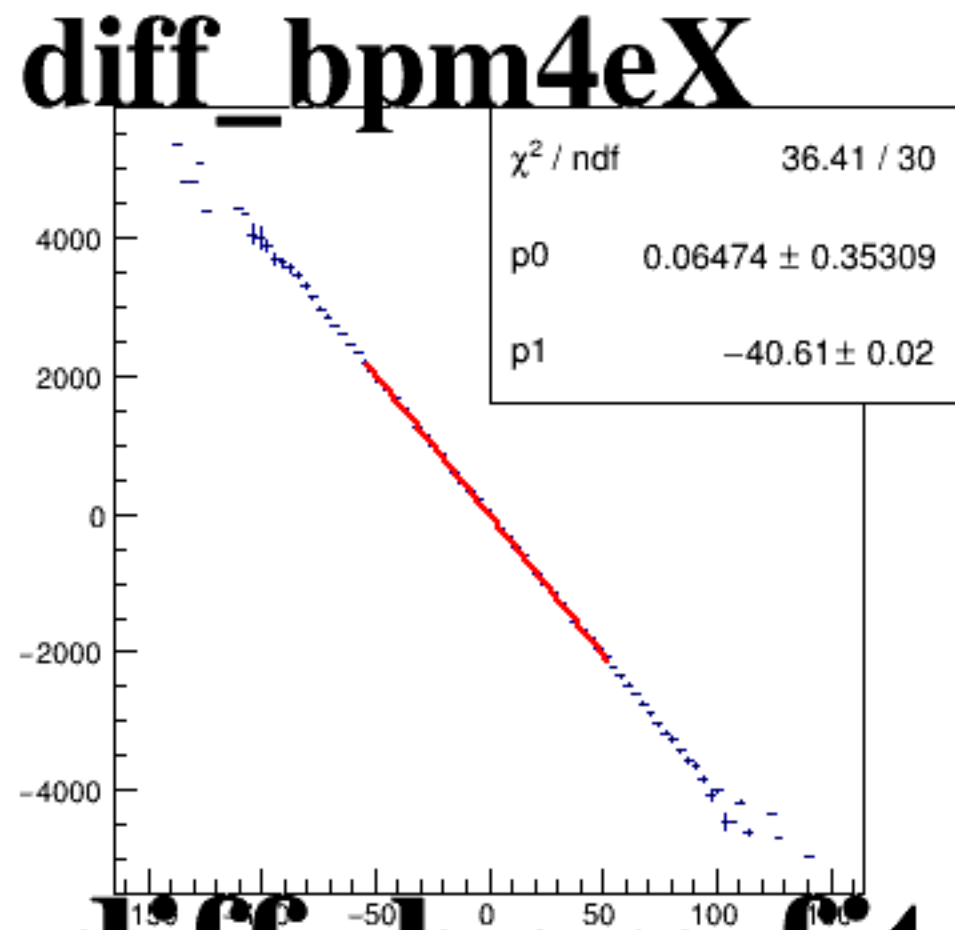
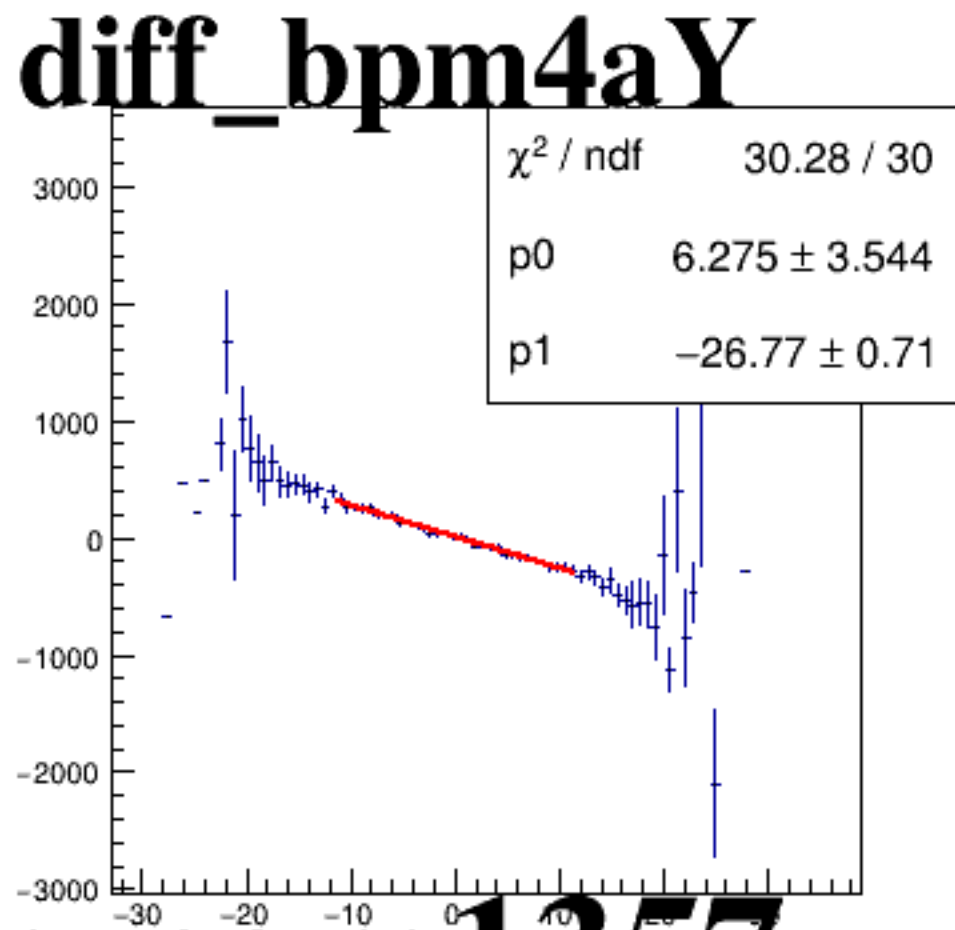
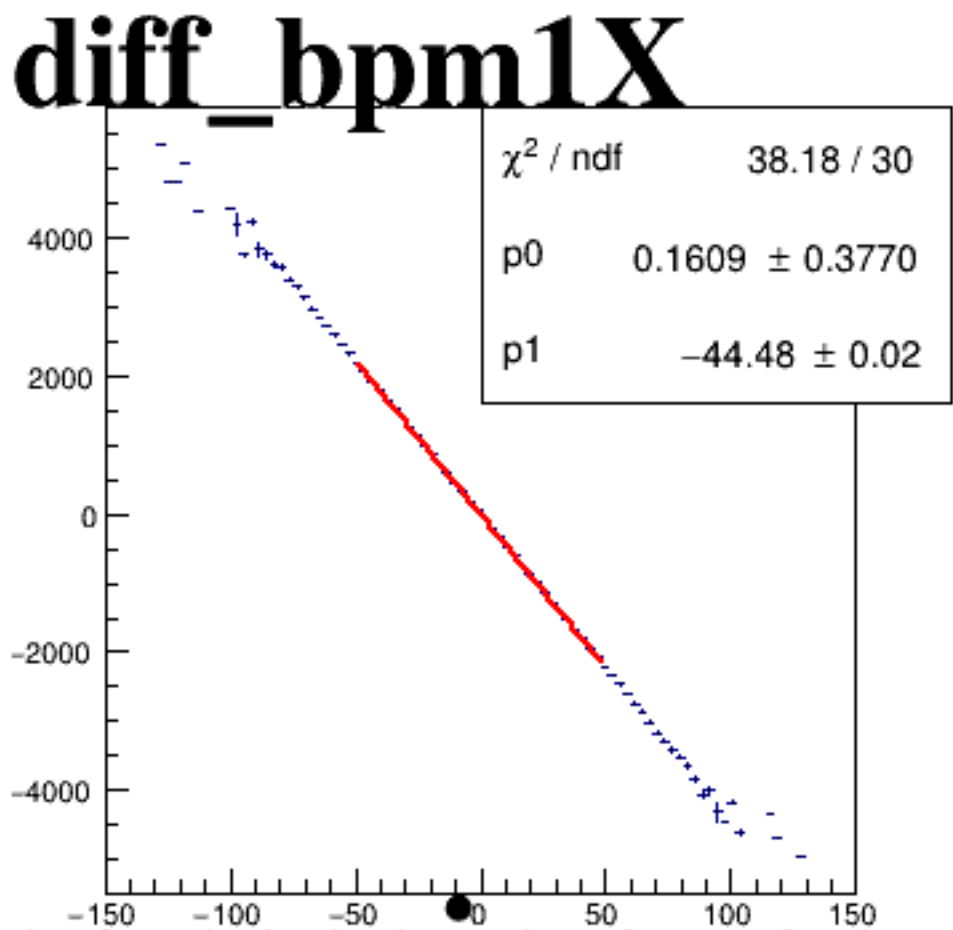
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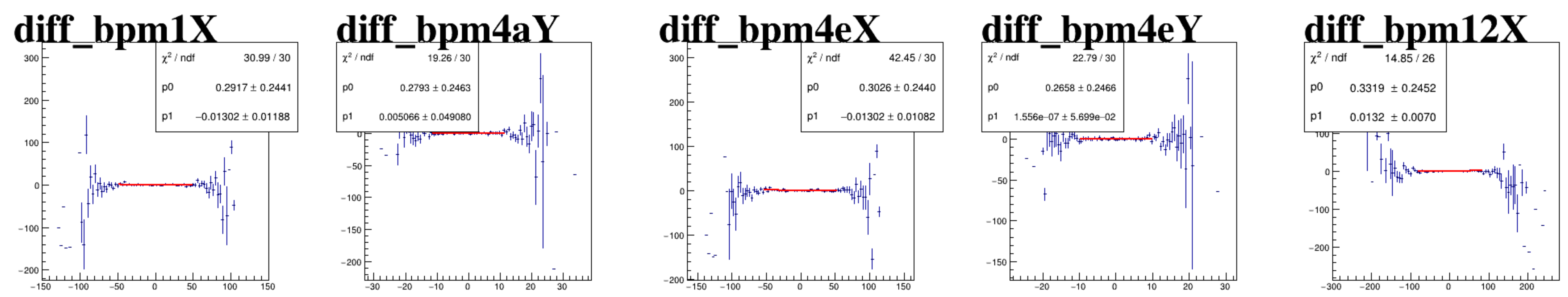
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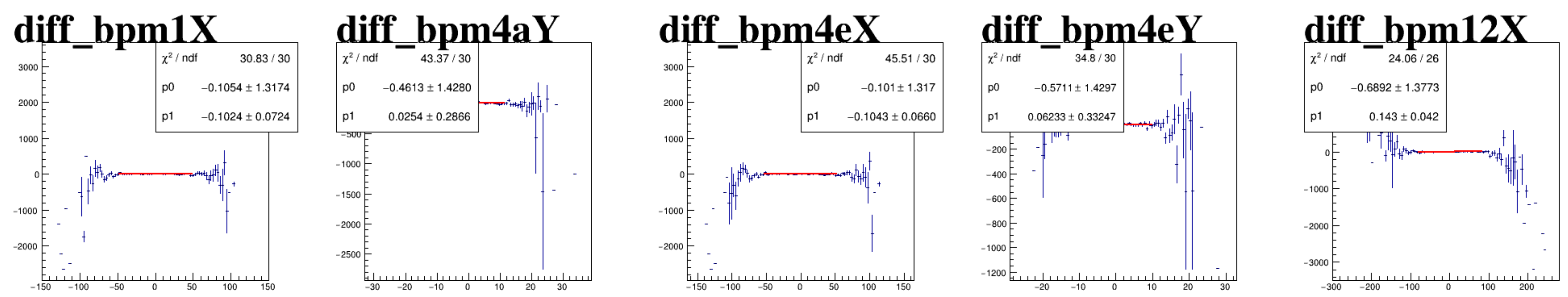
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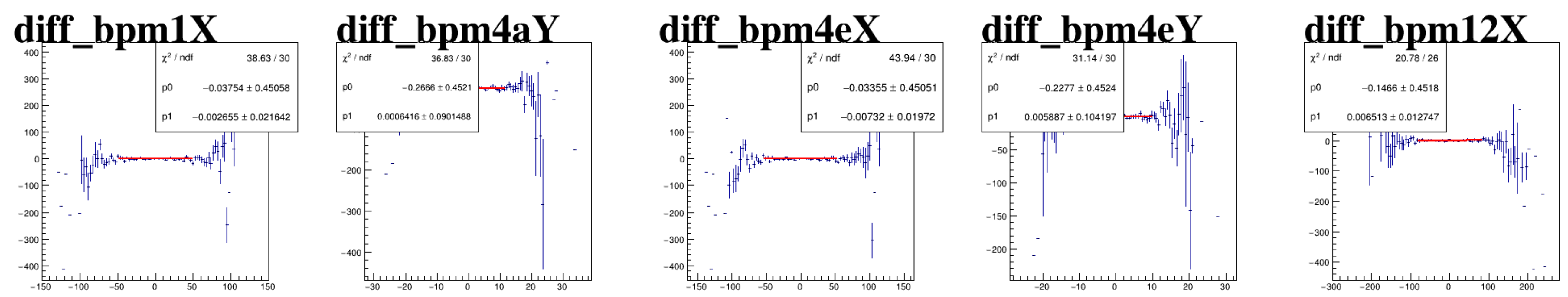
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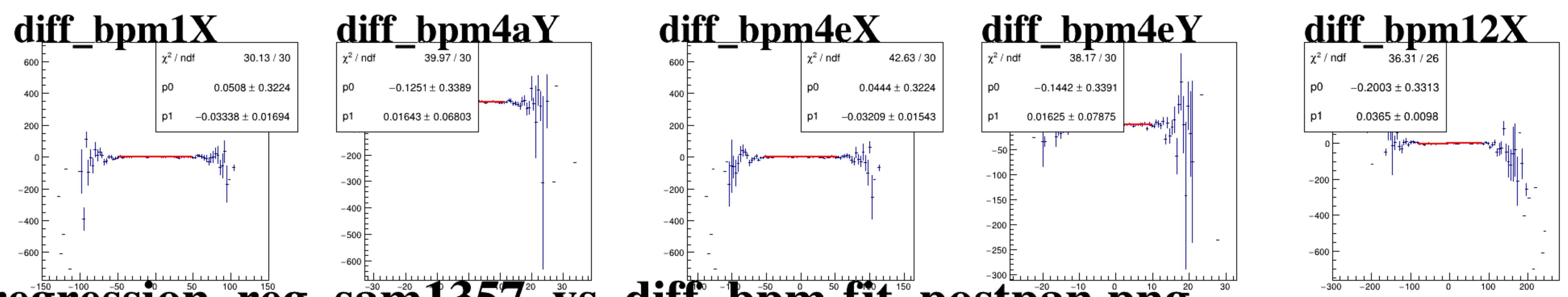
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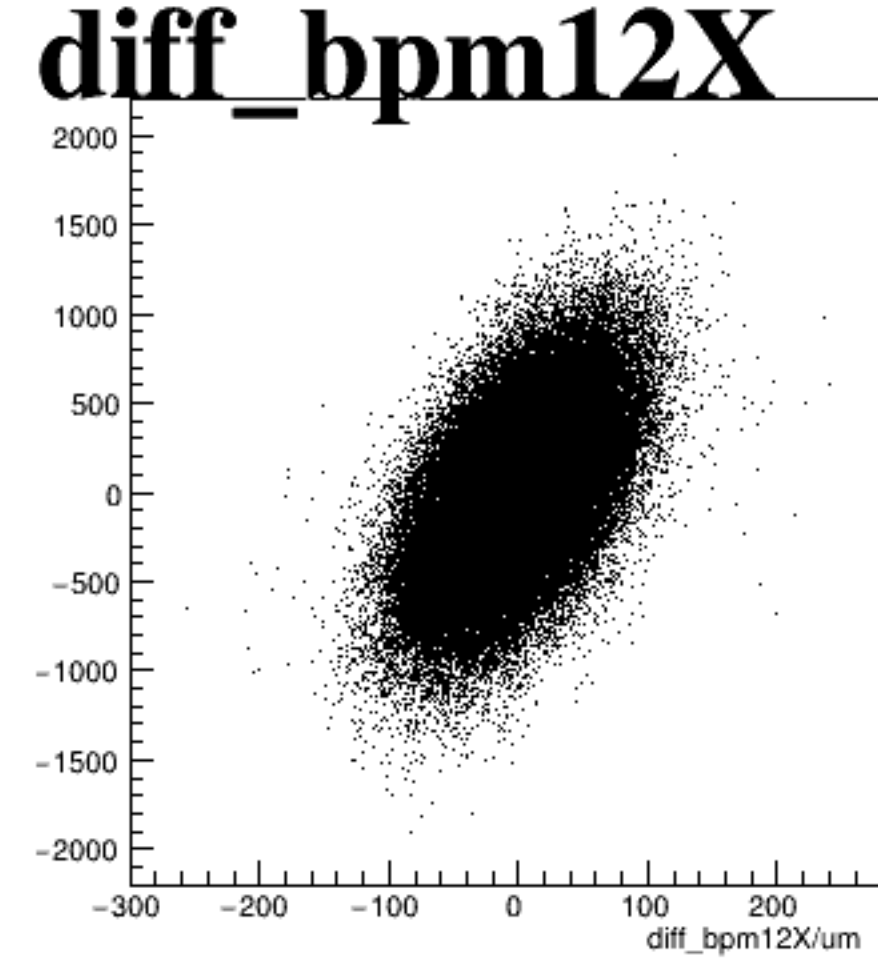
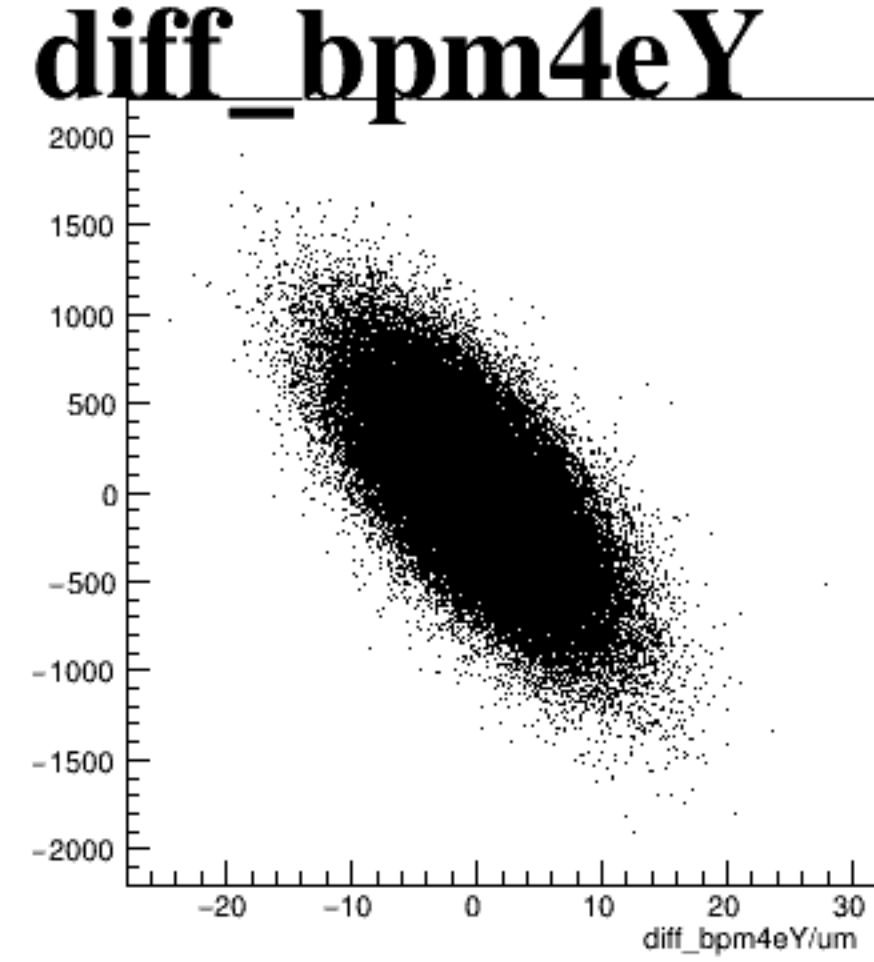
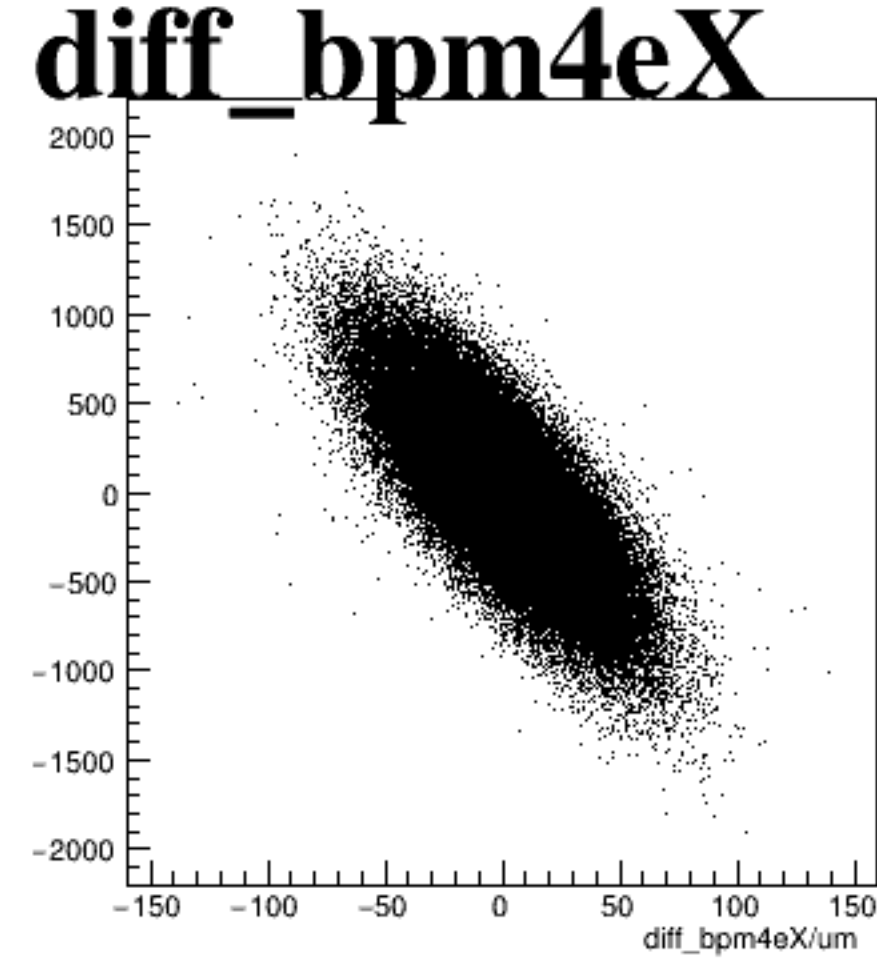
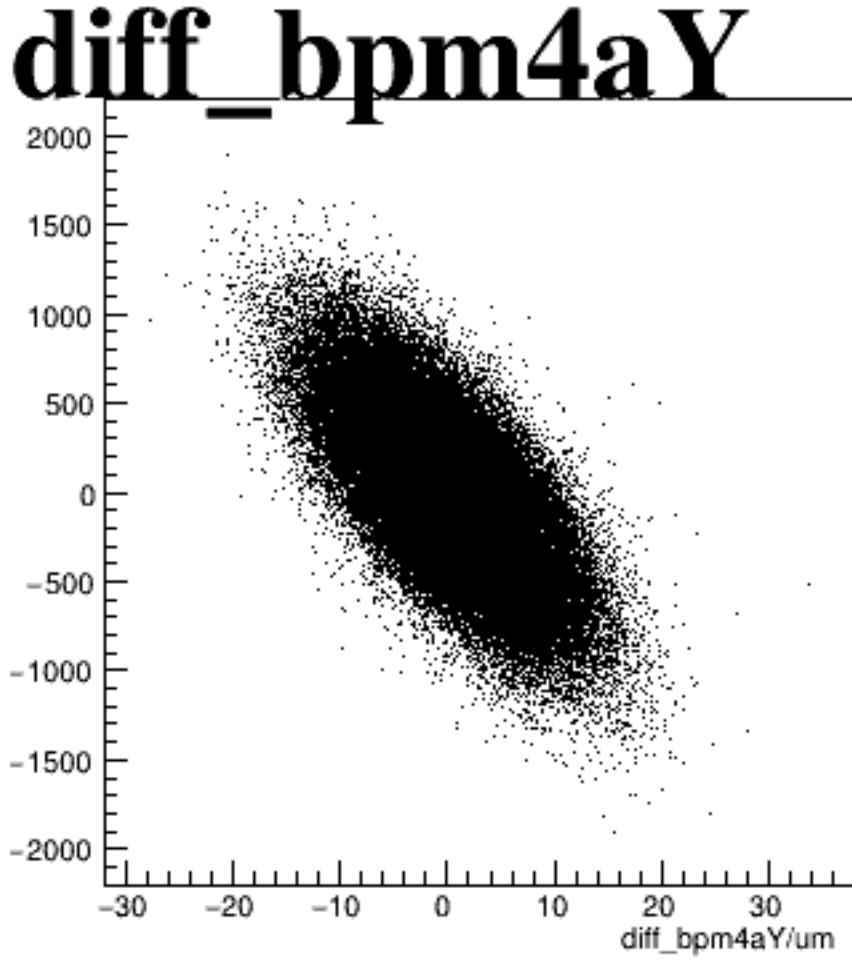
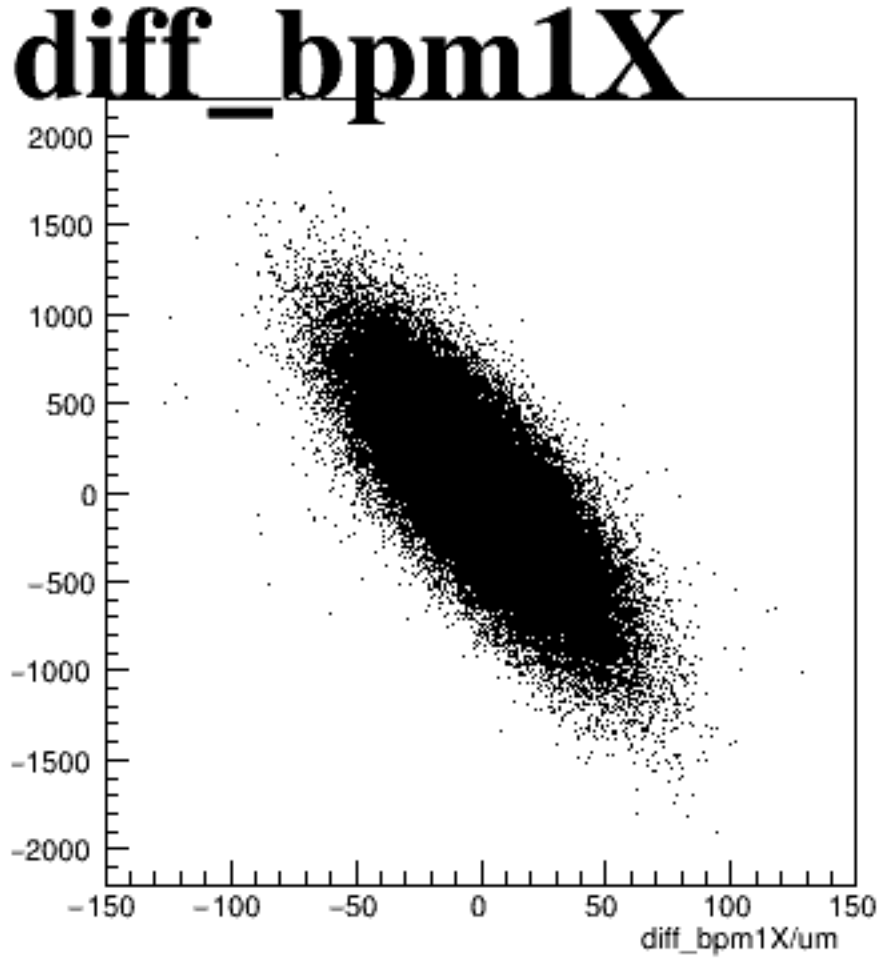
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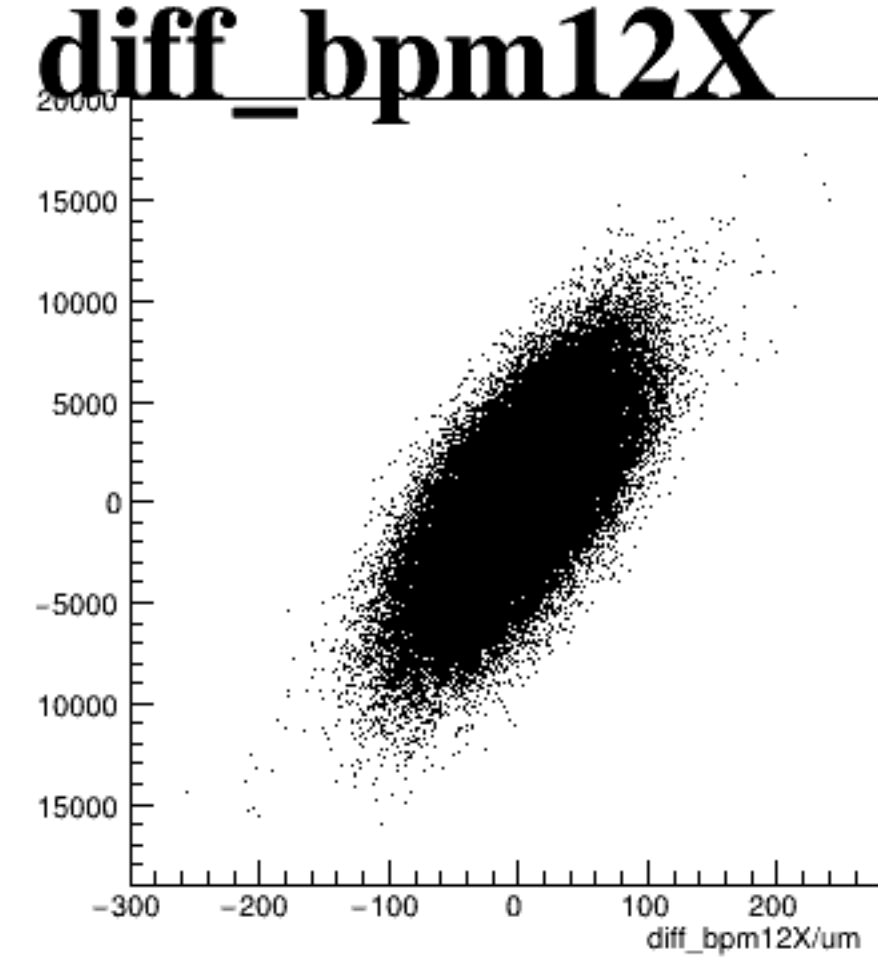
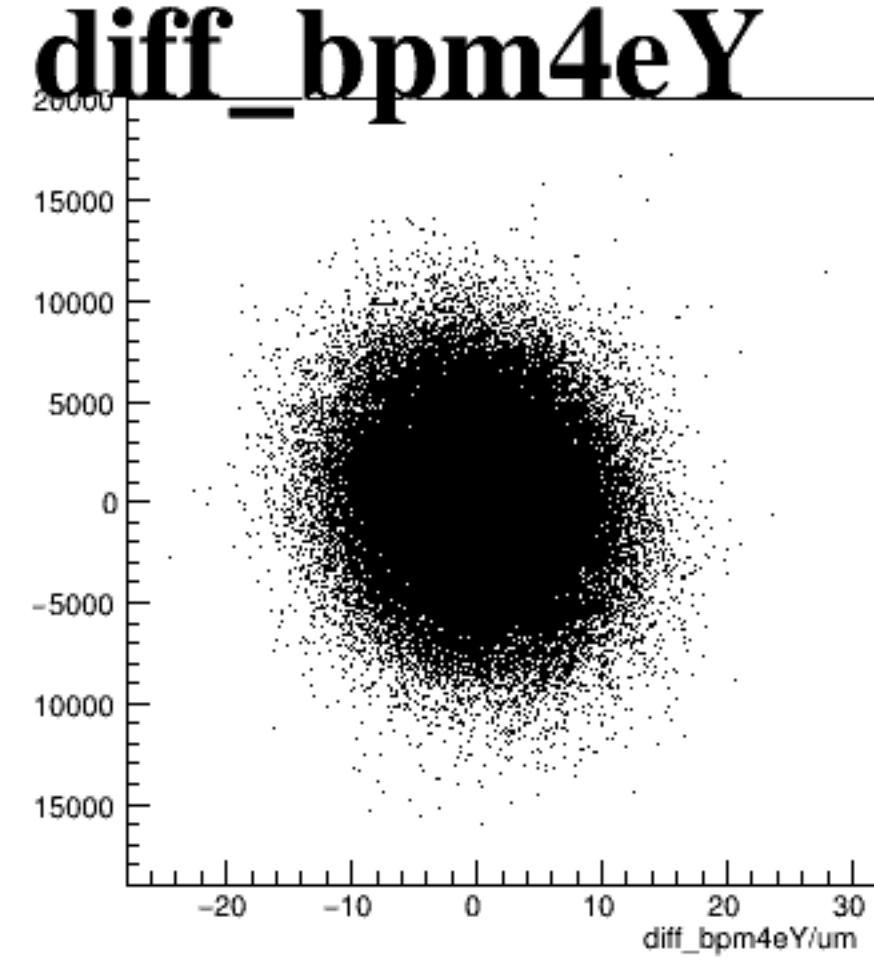
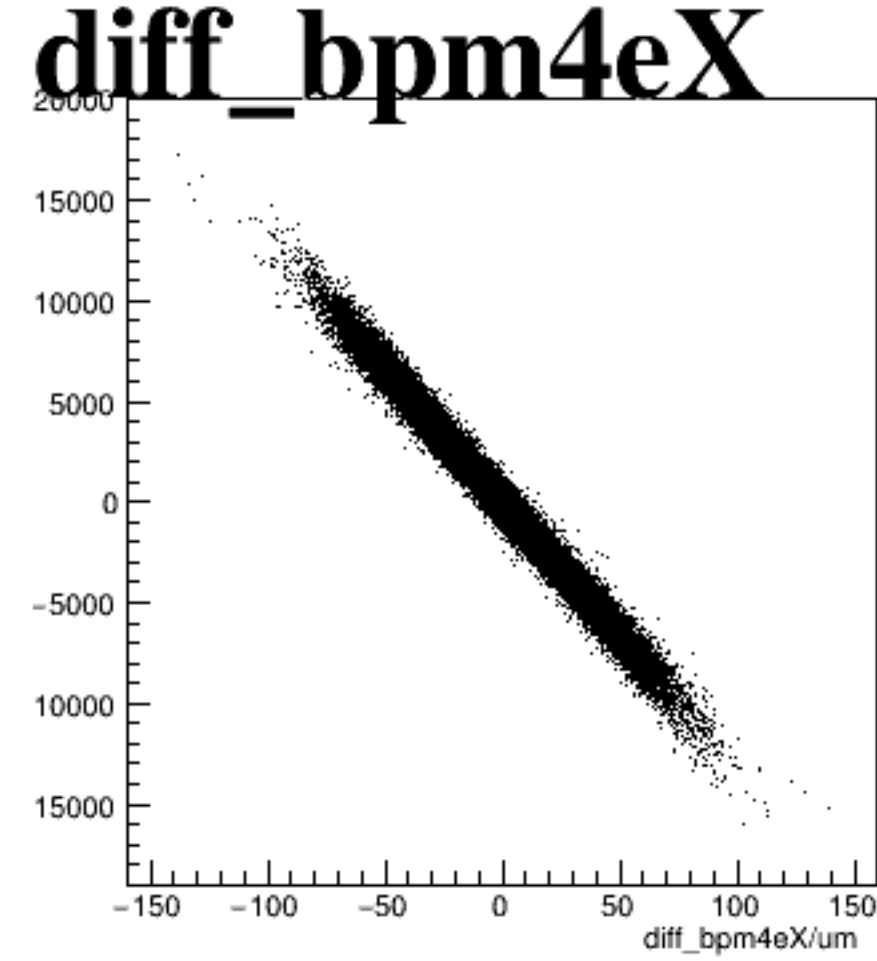
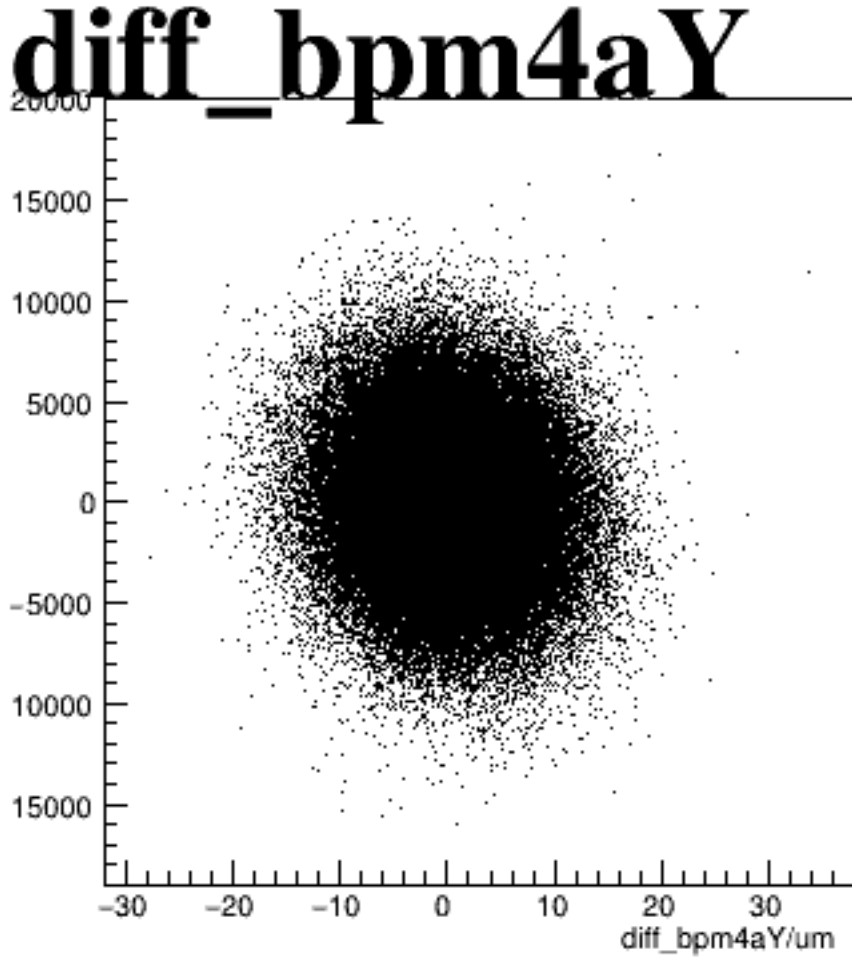
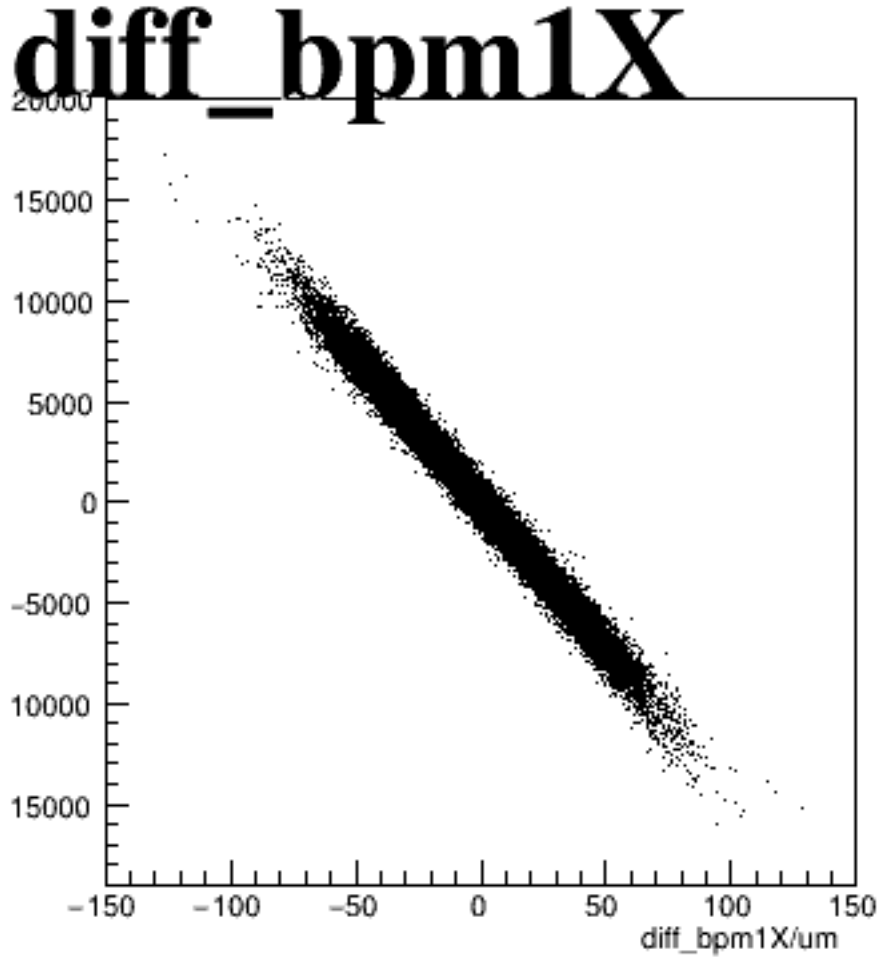
reg_asym_sam7



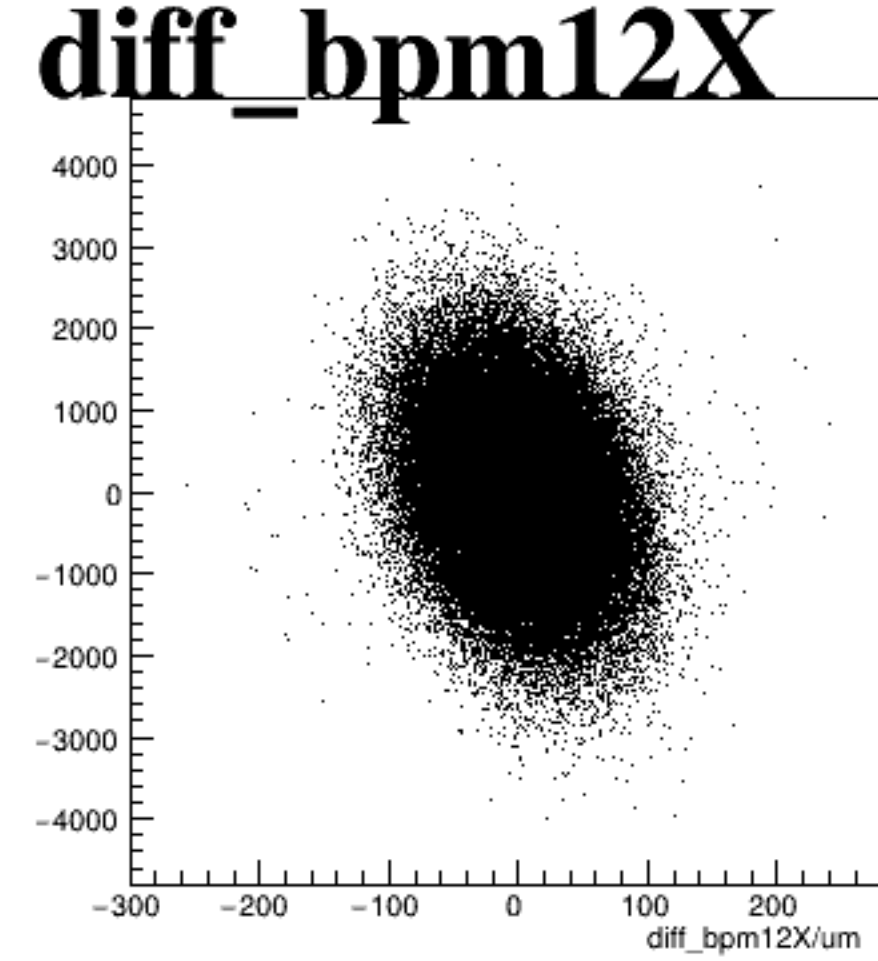
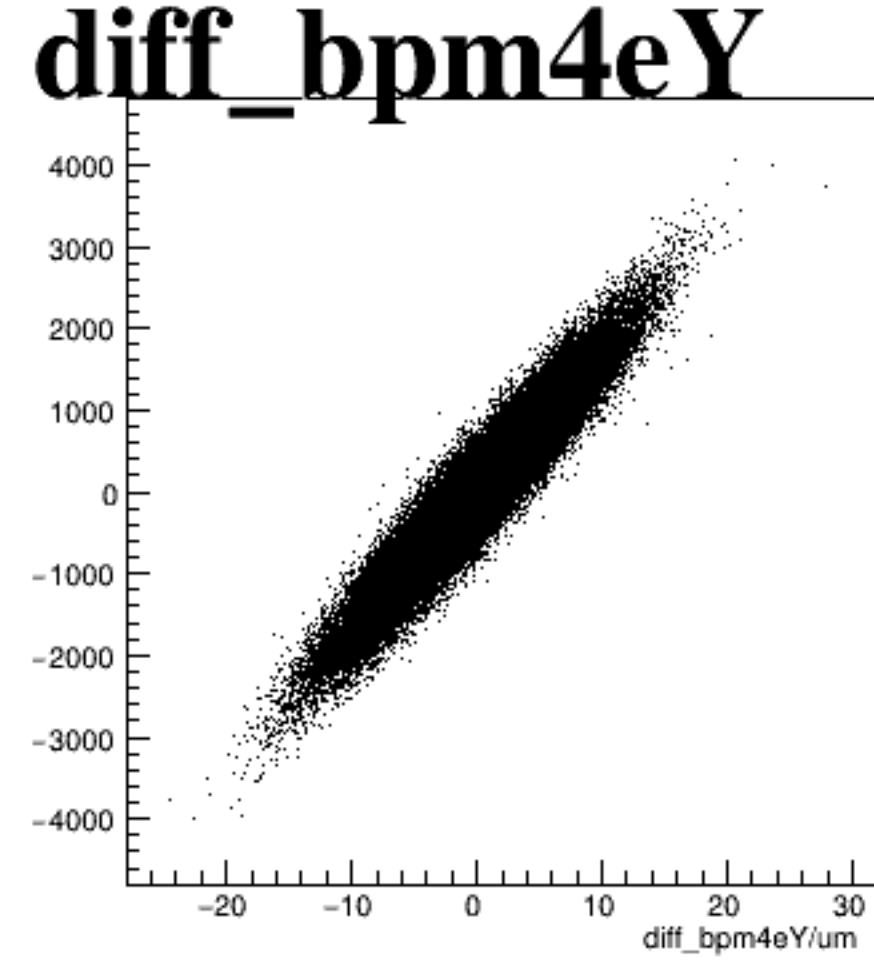
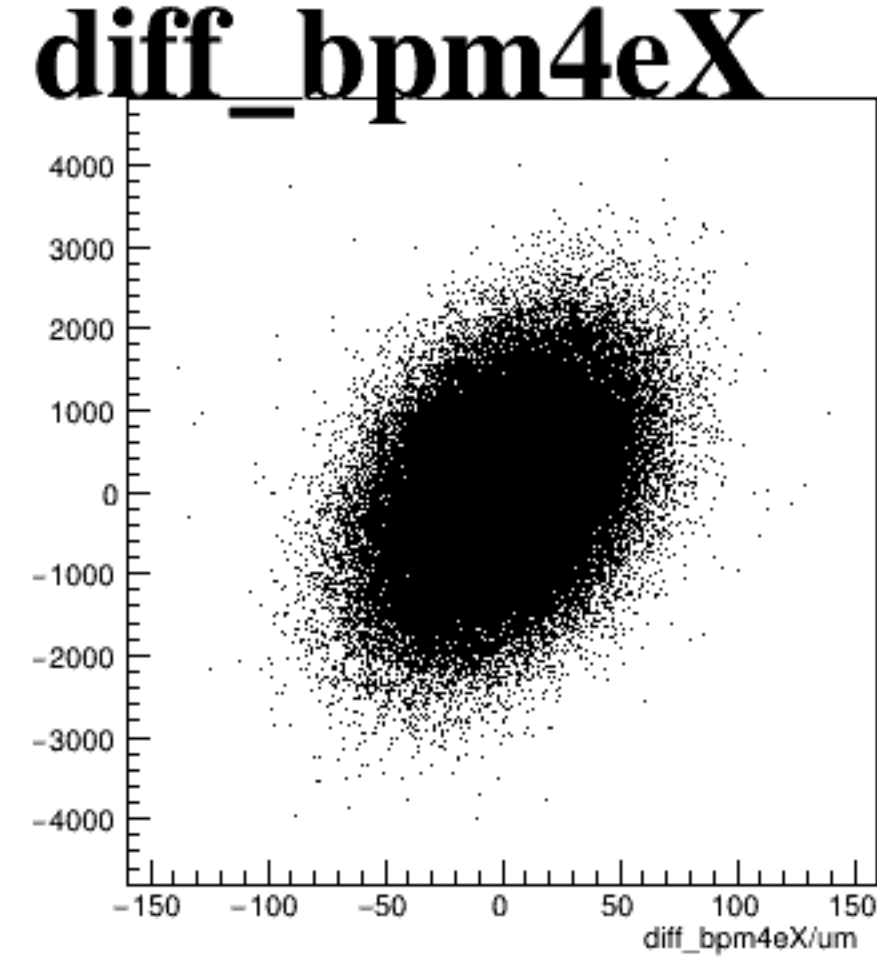
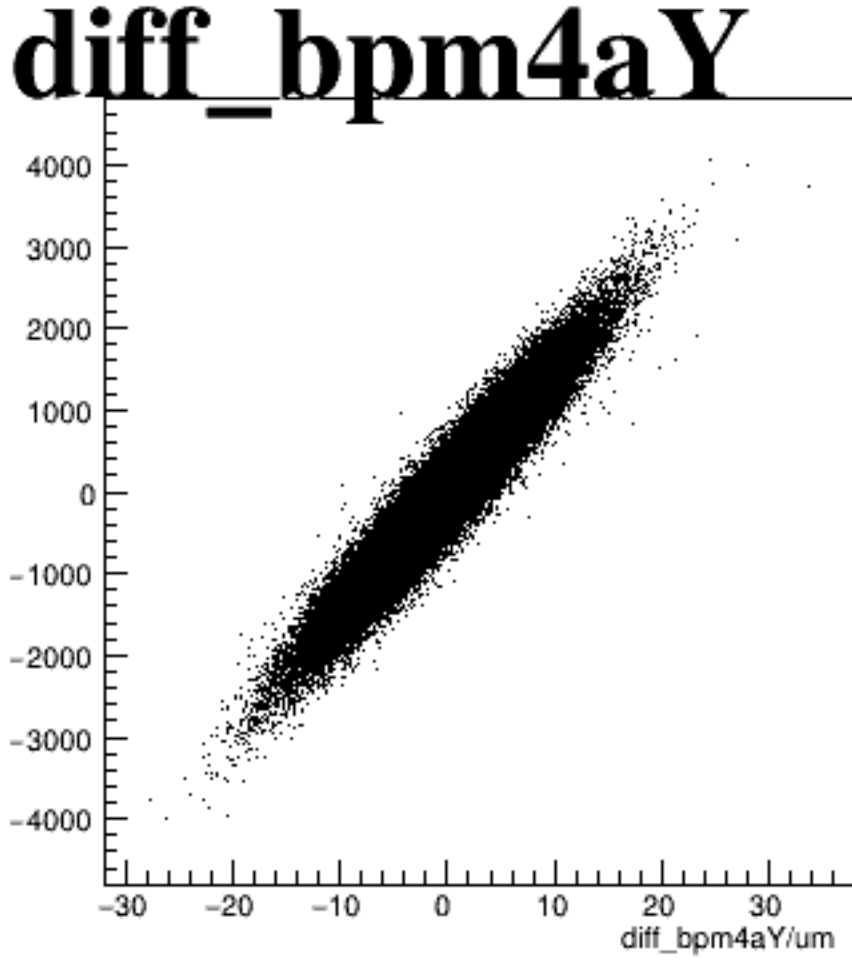
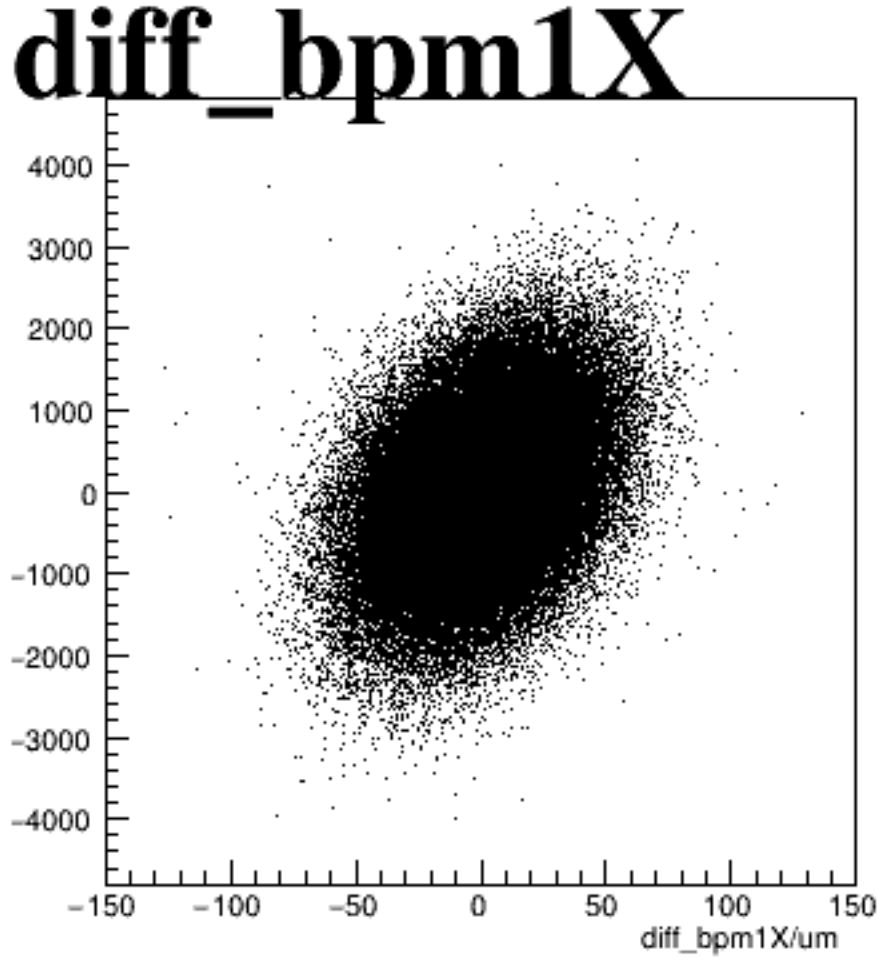
asym_sam1



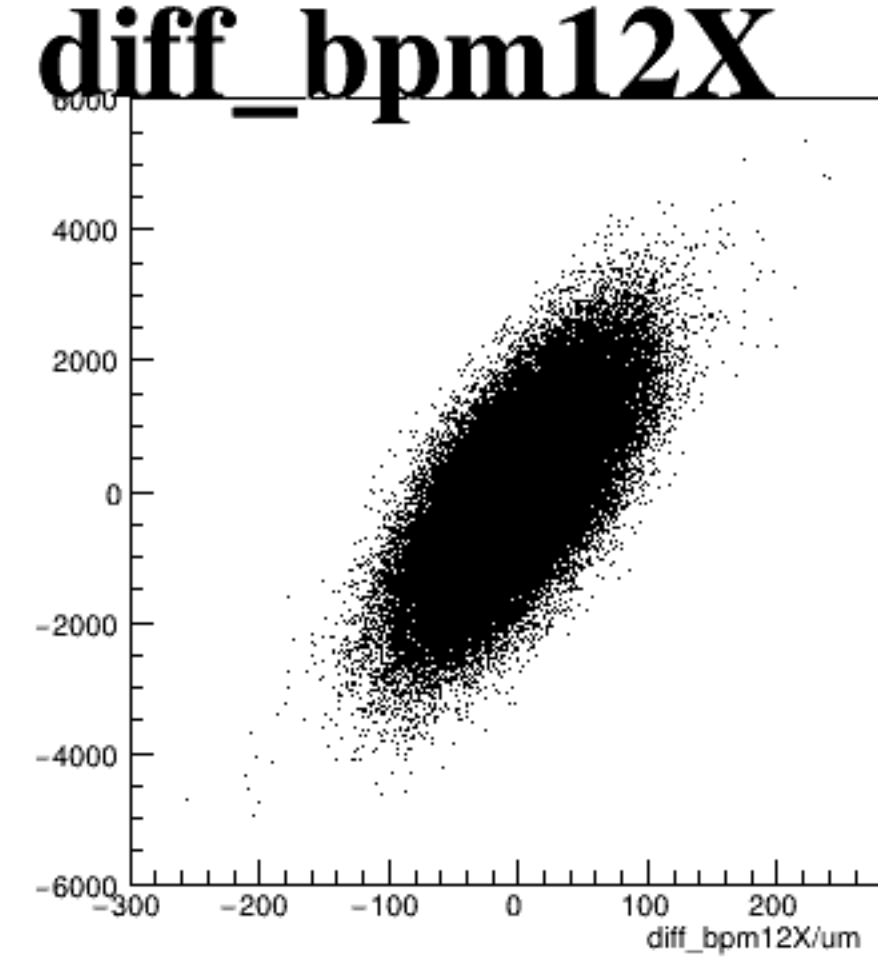
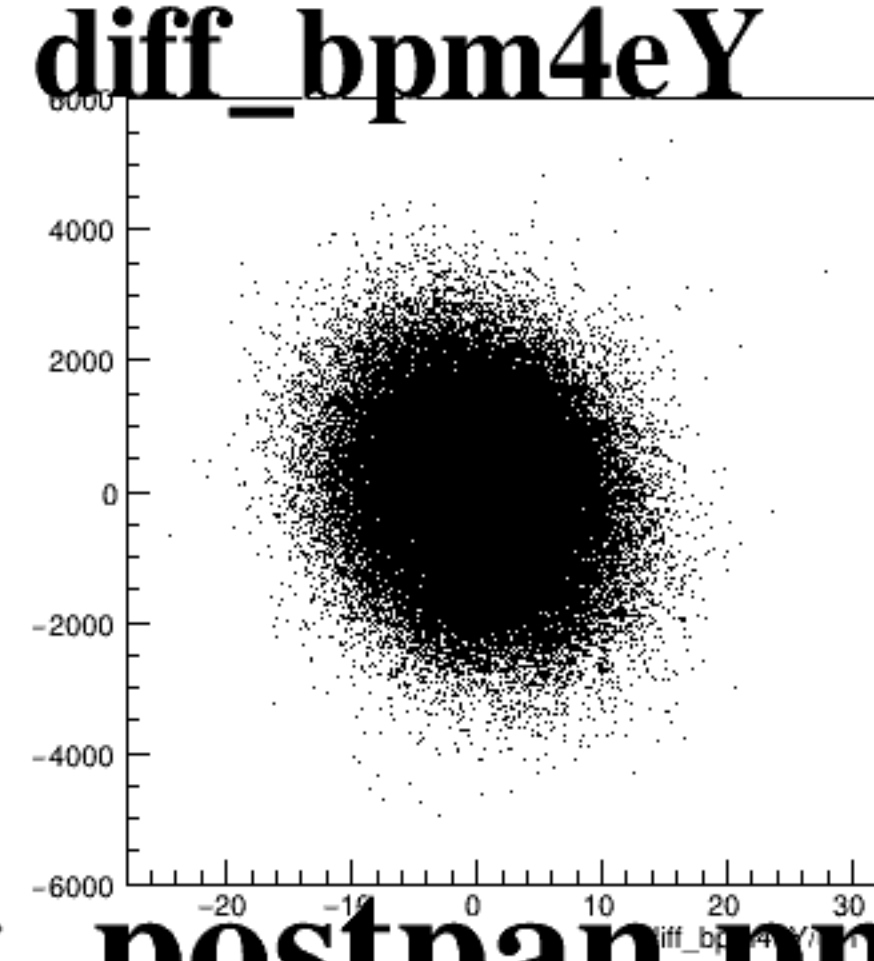
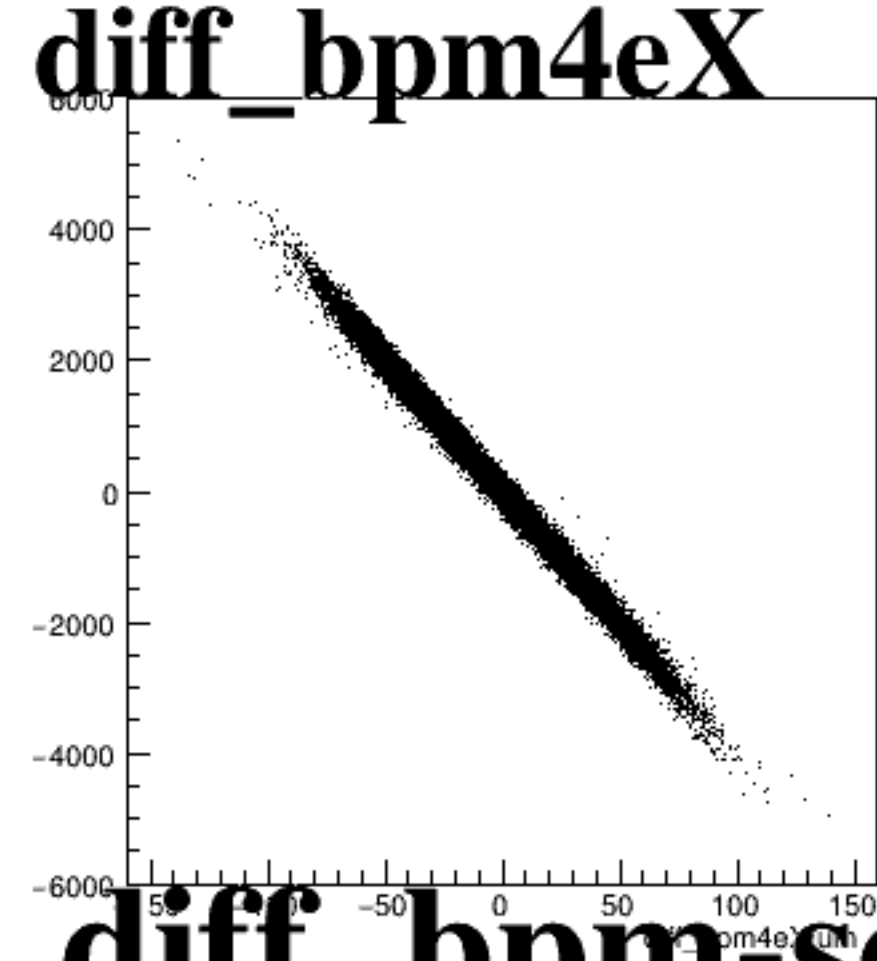
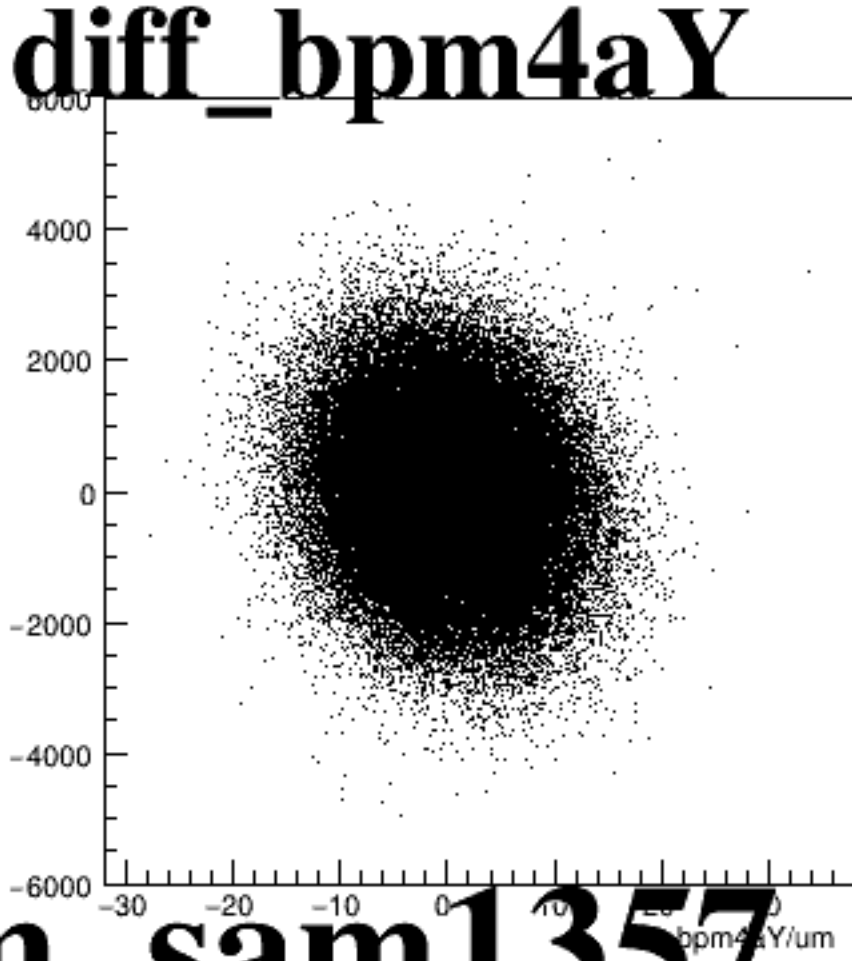
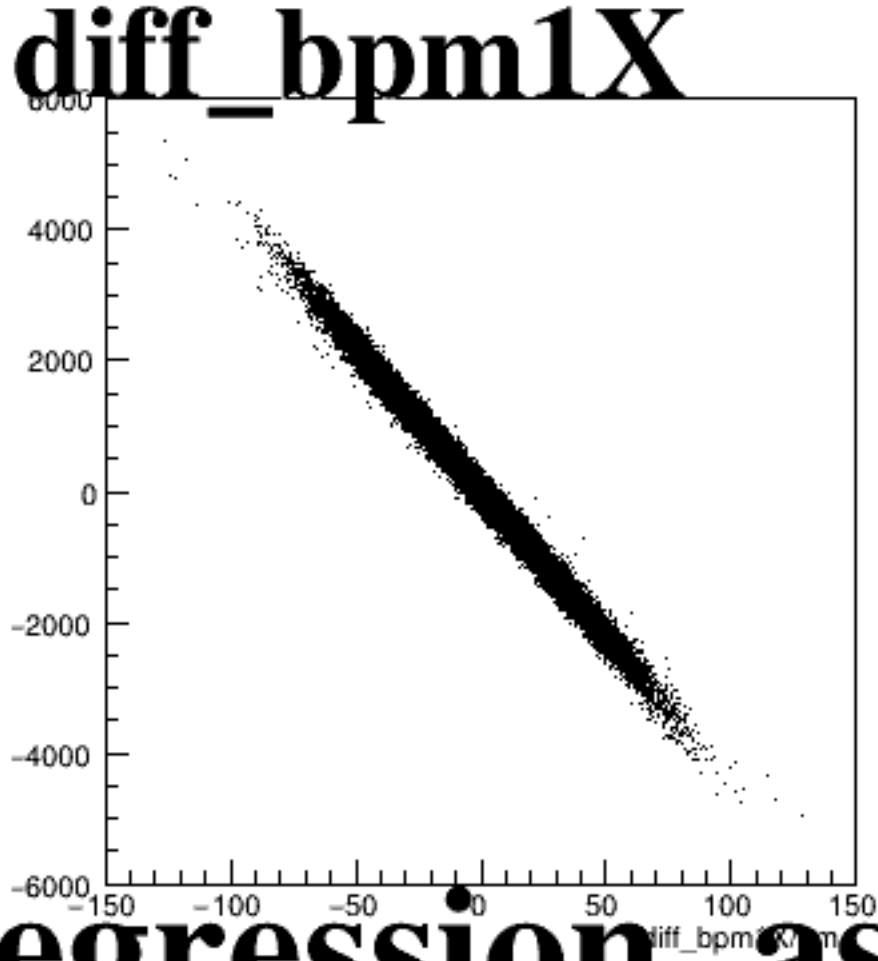
asym_sam3



asym_sam5



asym_sam7



The figure consists of five subplots, each showing a scatter plot of diffraction orders. The titles and axes are as follows:

- diff_bpm1X**: X-axis is $\text{diff_bpm1X}/\mu\text{m}$ (range -150 to 150), Y-axis is diff_bpm1X (range -400 to 500).
- diff_bpm4aY**: X-axis is $\text{diff_bpm4aY}/\mu\text{m}$ (range -30 to 30), Y-axis is diff_bpm4aY (range -400 to 500).
- diff_bpm4eX**: X-axis is $\text{diff_bpm4eX}/\mu\text{m}$ (range -150 to 150), Y-axis is diff_bpm4eX (range -400 to 500).
- diff_bpm4eY**: X-axis is $\text{diff_bpm4eY}/\mu\text{m}$ (range -20 to 30), Y-axis is diff_bpm4eY (range -400 to 500).
- diff_bpm12X**: X-axis is $\text{diff_bpm12X}/\mu\text{m}$ (range -300 to 200), Y-axis is diff_bpm12X (range -400 to 500).

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

The figure consists of five scatter plots arranged horizontally, each showing the distribution of diffraction orders for a specific beam parameter. The plots are titled as follows:

- diff_bpm1X**: The x-axis is labeled $\text{diff_bpm1X}/\mu\text{m}$ and ranges from -150 to 150. The y-axis ranges from -3000 to 4000.
- diff_bpm4aY**: The x-axis is labeled $\text{diff_bpm4aY}/\mu\text{m}$ and ranges from -30 to 30. The y-axis ranges from -3000 to 4000.
- diff_bpm4eX**: The x-axis is labeled $\text{diff_bpm4eX}/\mu\text{m}$ and ranges from -150 to 150. The y-axis ranges from -3000 to 4000.
- 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 4000.
- diff_bpm12X**: The x-axis is labeled $\text{diff_bpm12X}/\mu\text{m}$ and ranges from -300 to 200. The y-axis ranges from -3000 to 4000.

Each plot displays a dense, roughly circular cloud of points centered around the origin (0,0), representing the distribution of diffraction orders for the respective beam parameter.