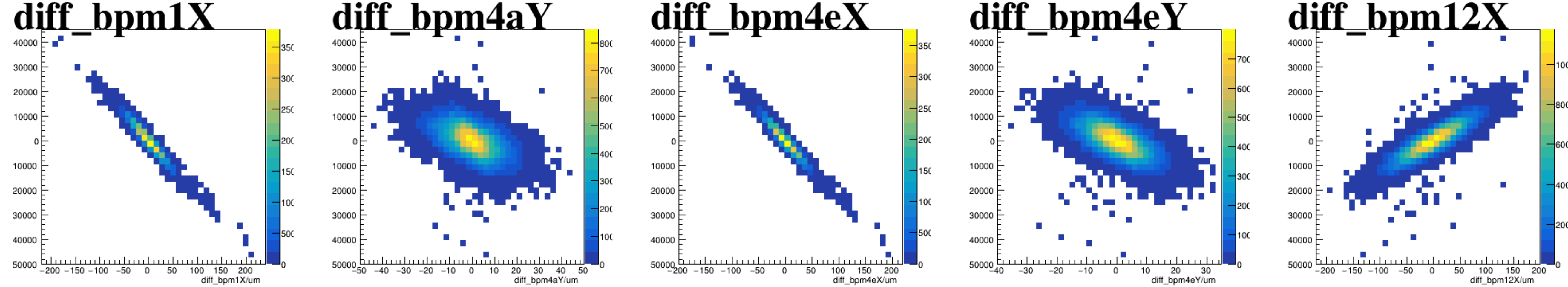
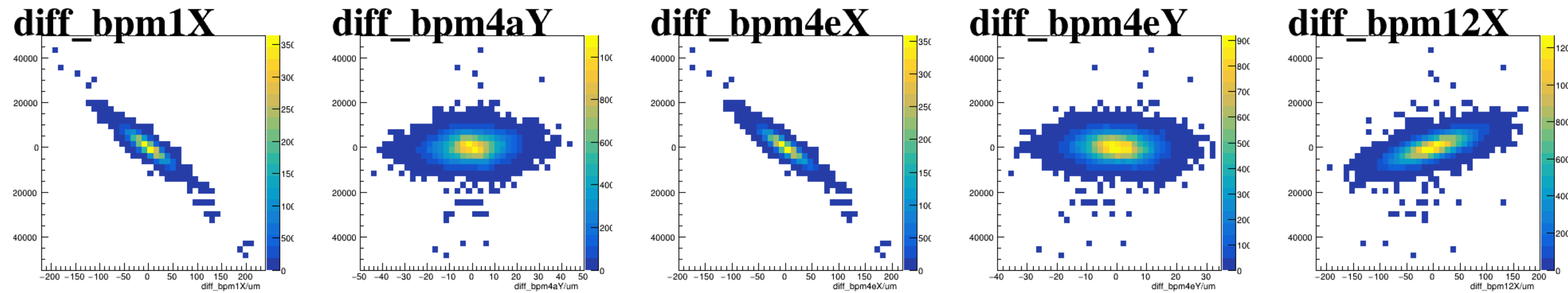


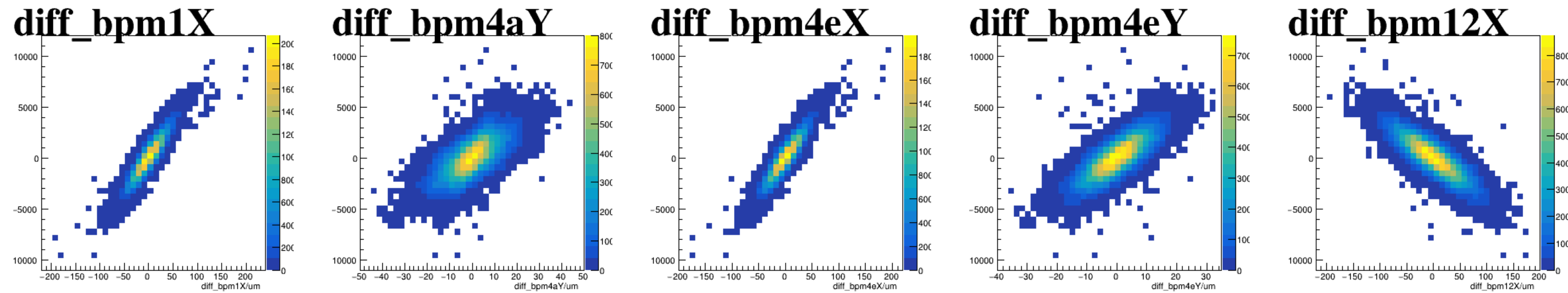
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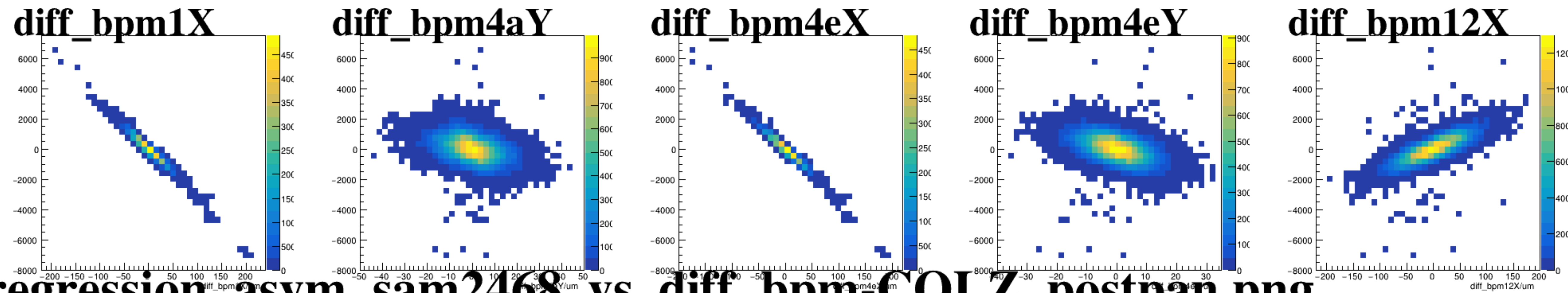
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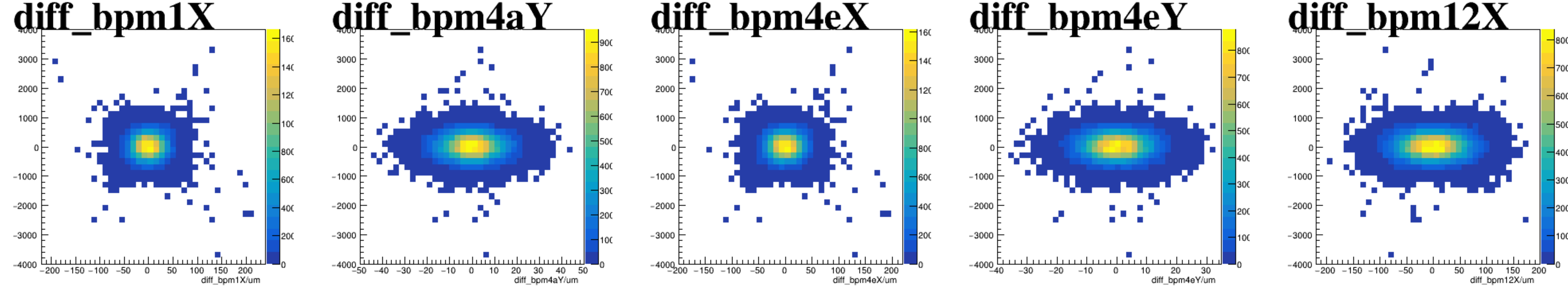
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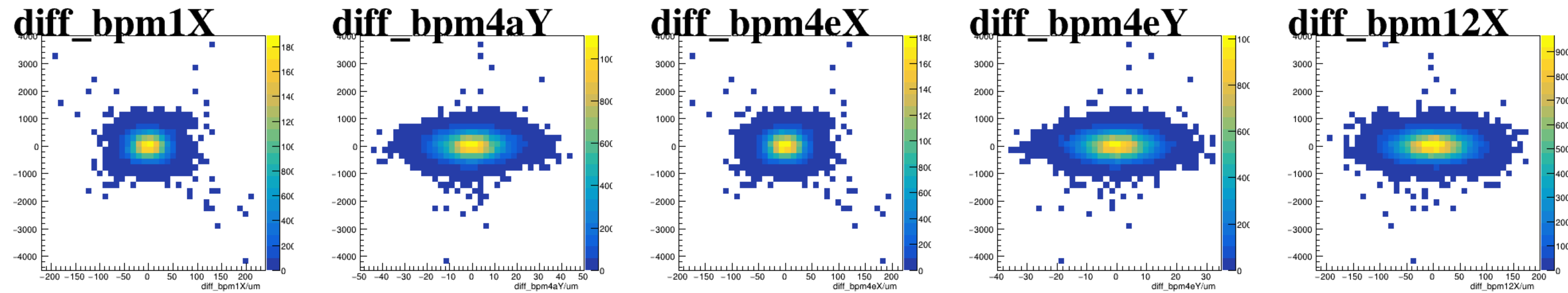
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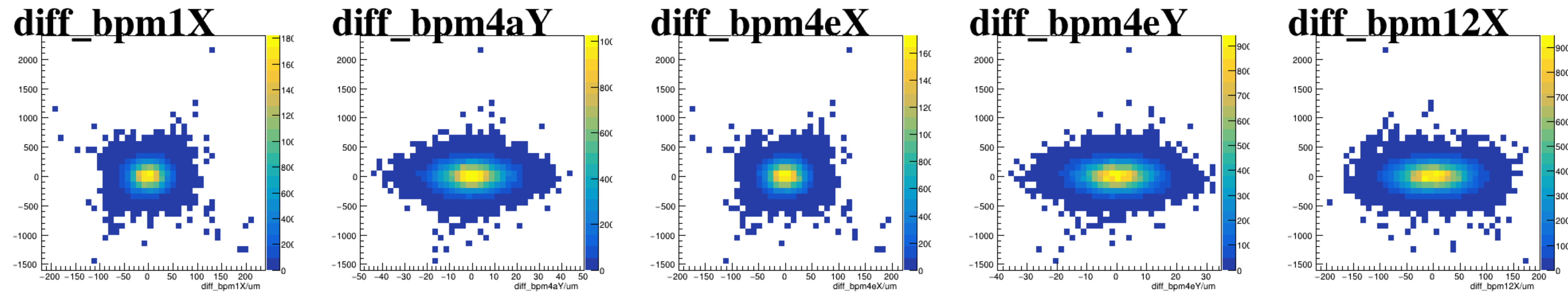
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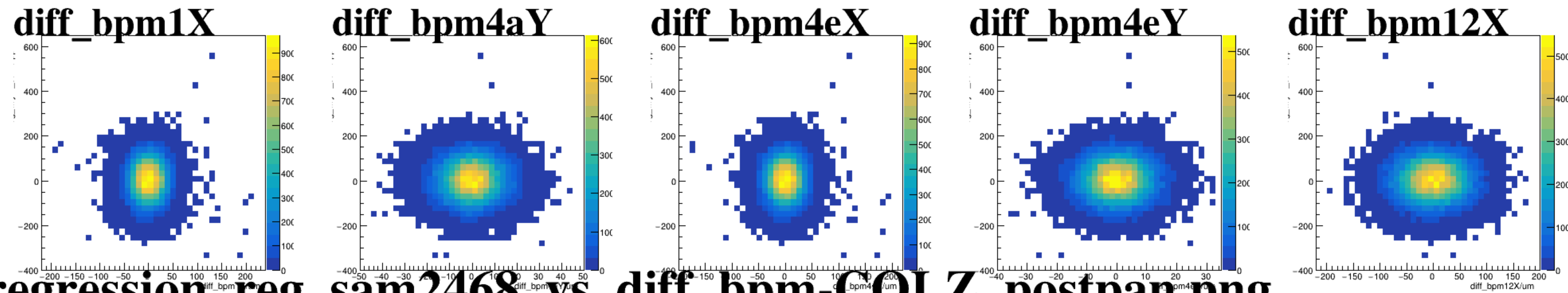
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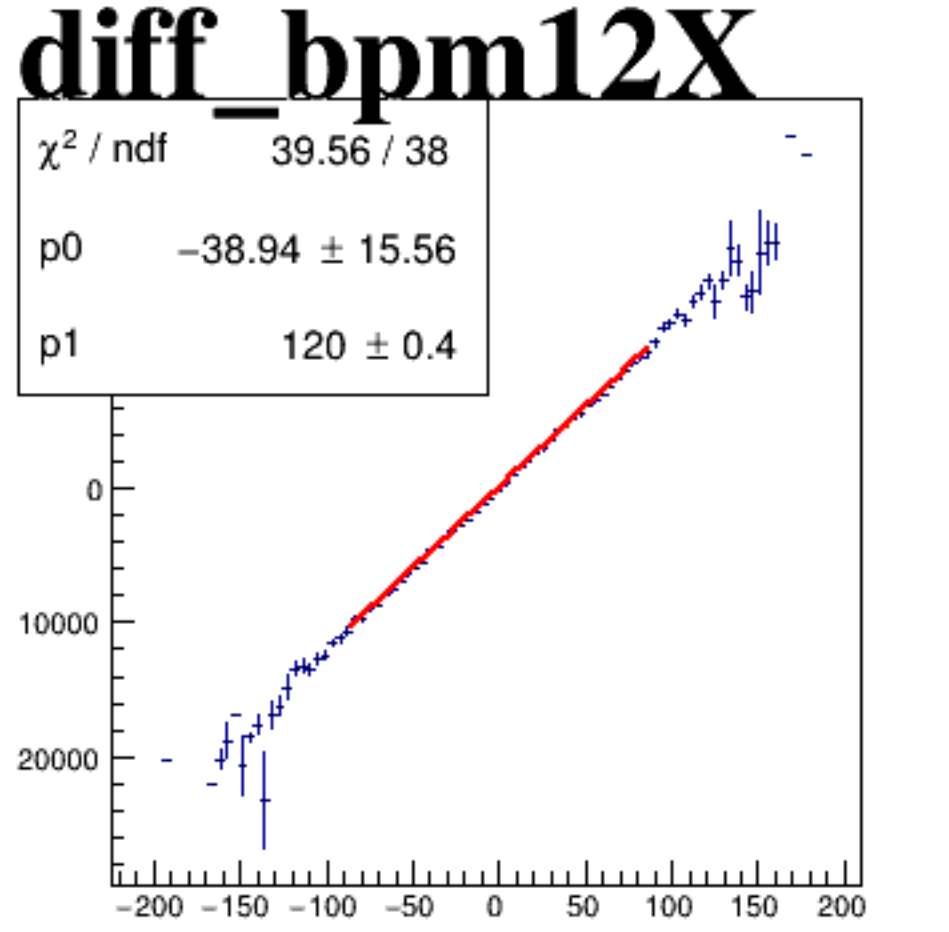
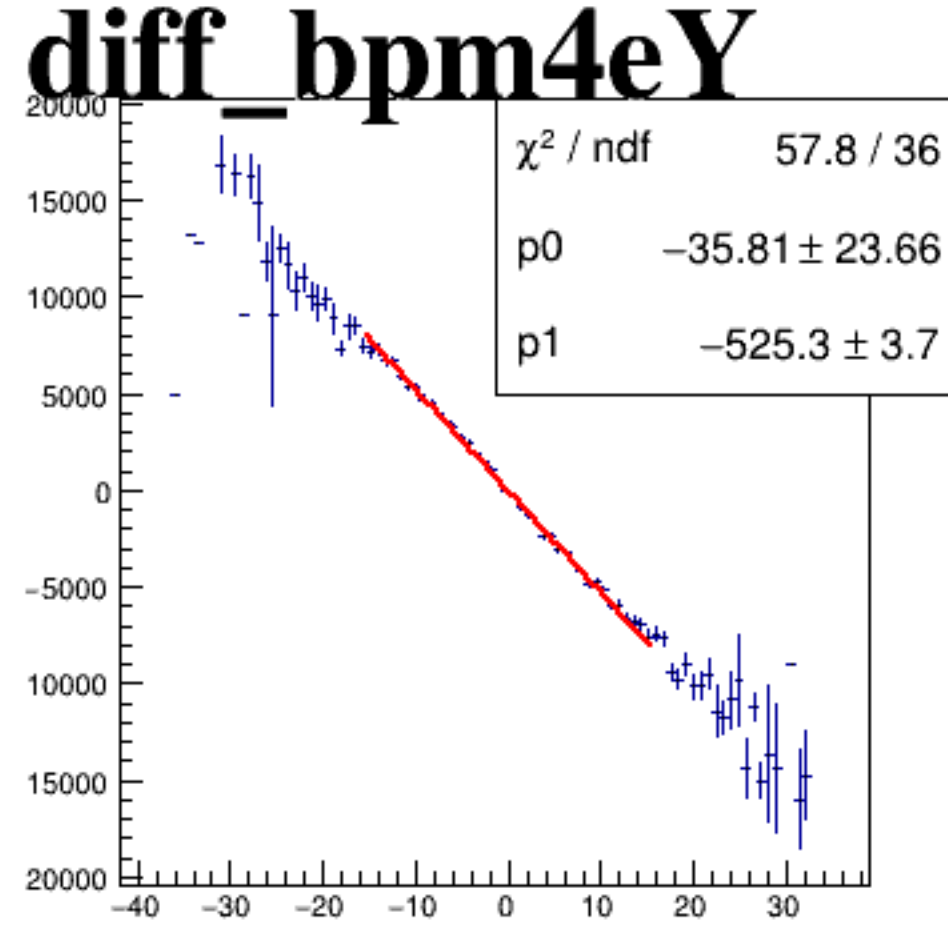
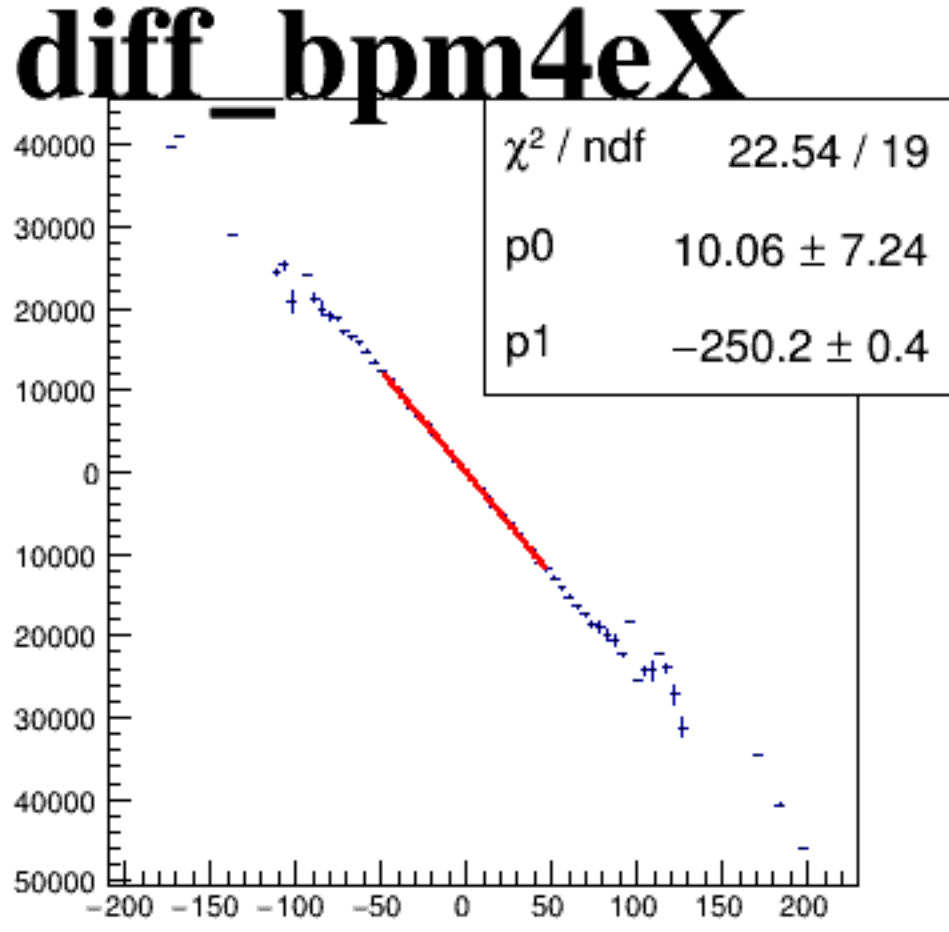
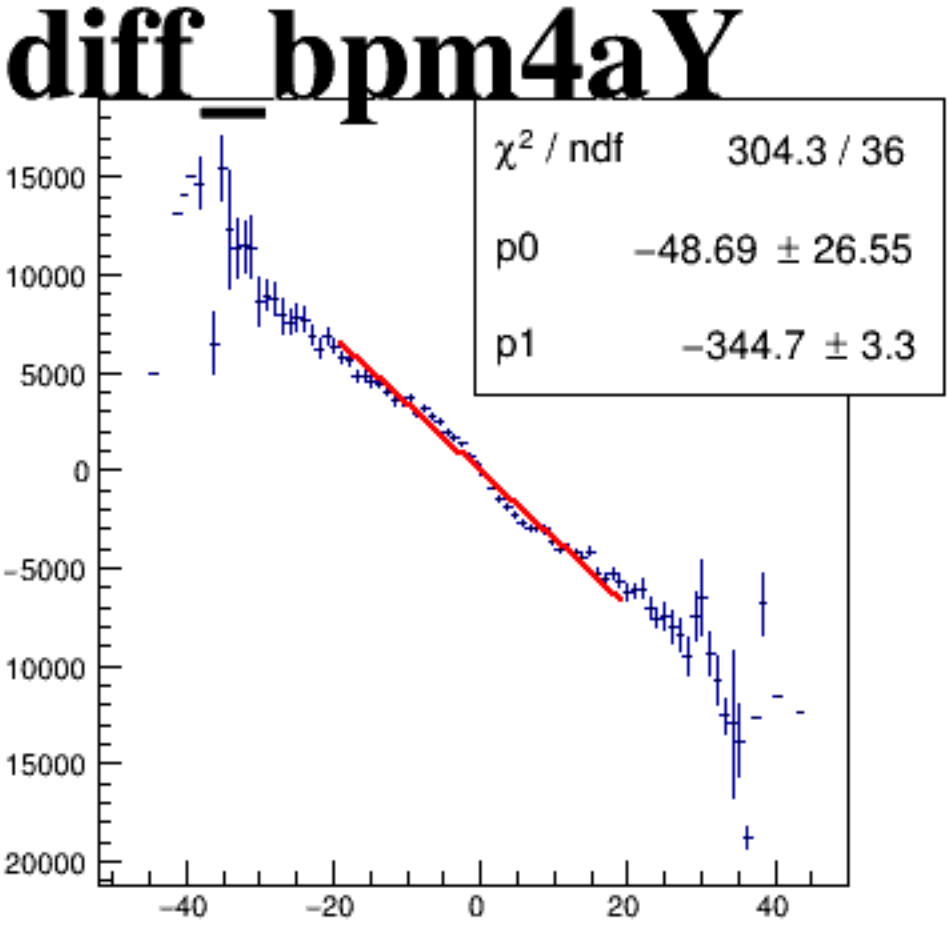
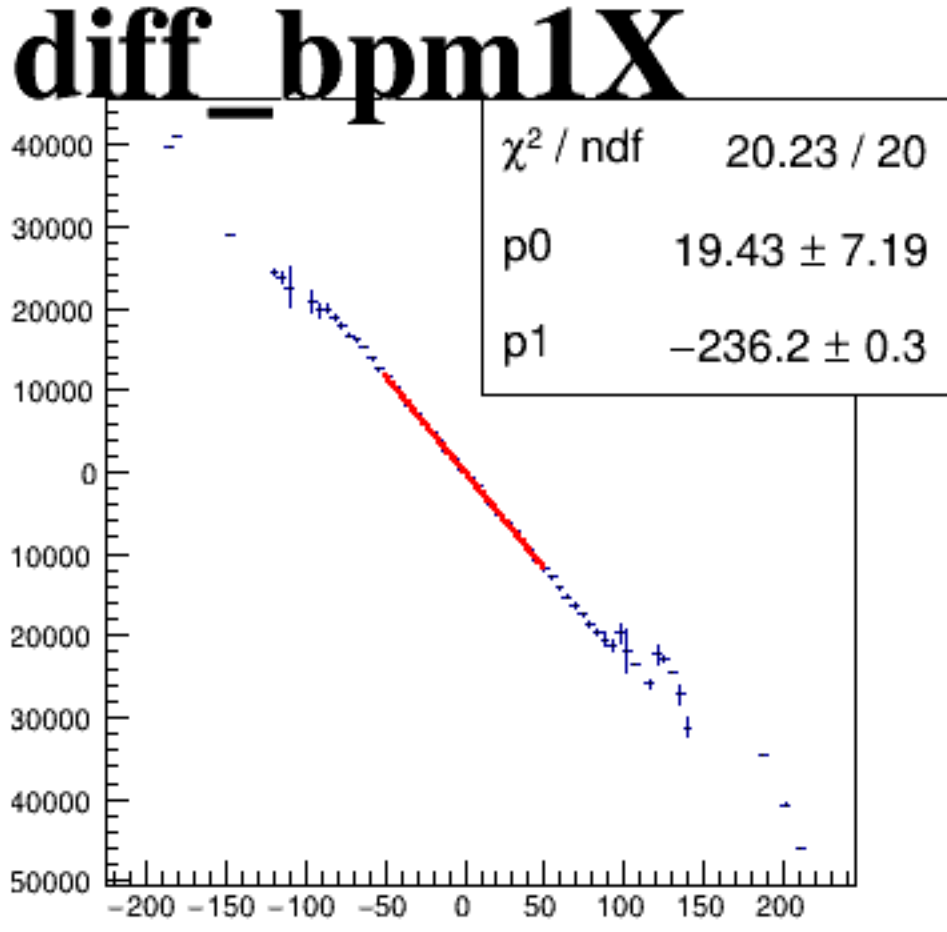
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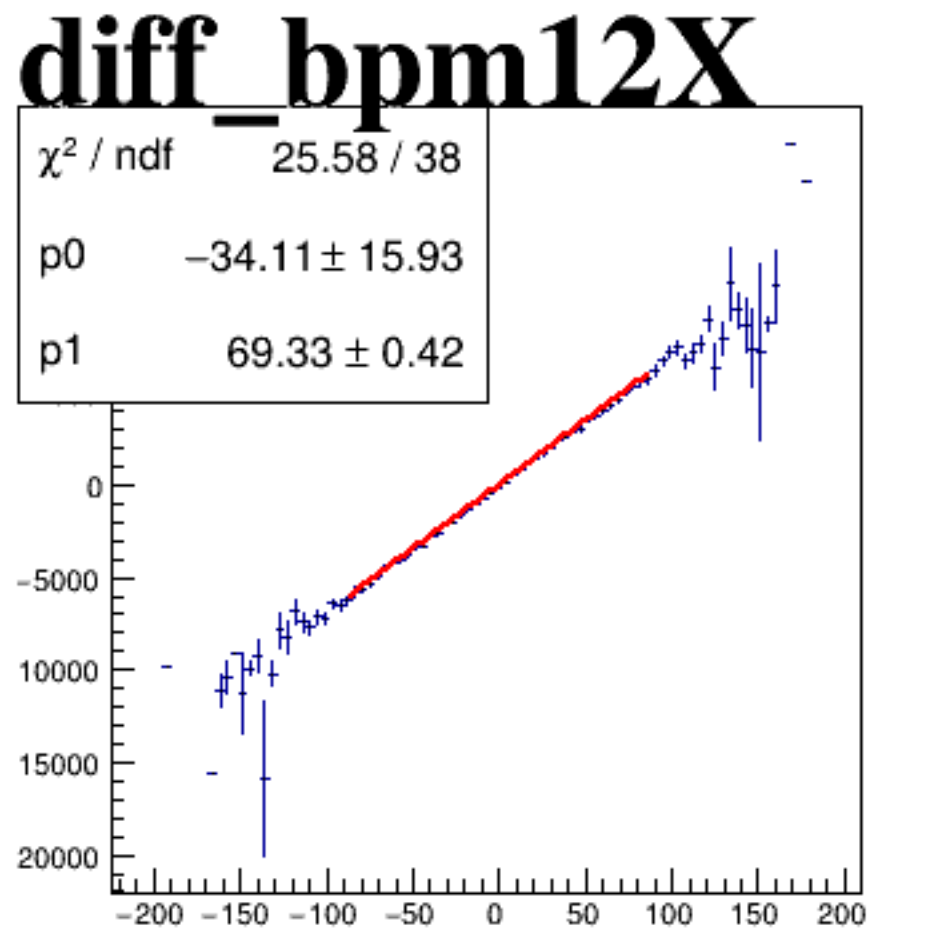
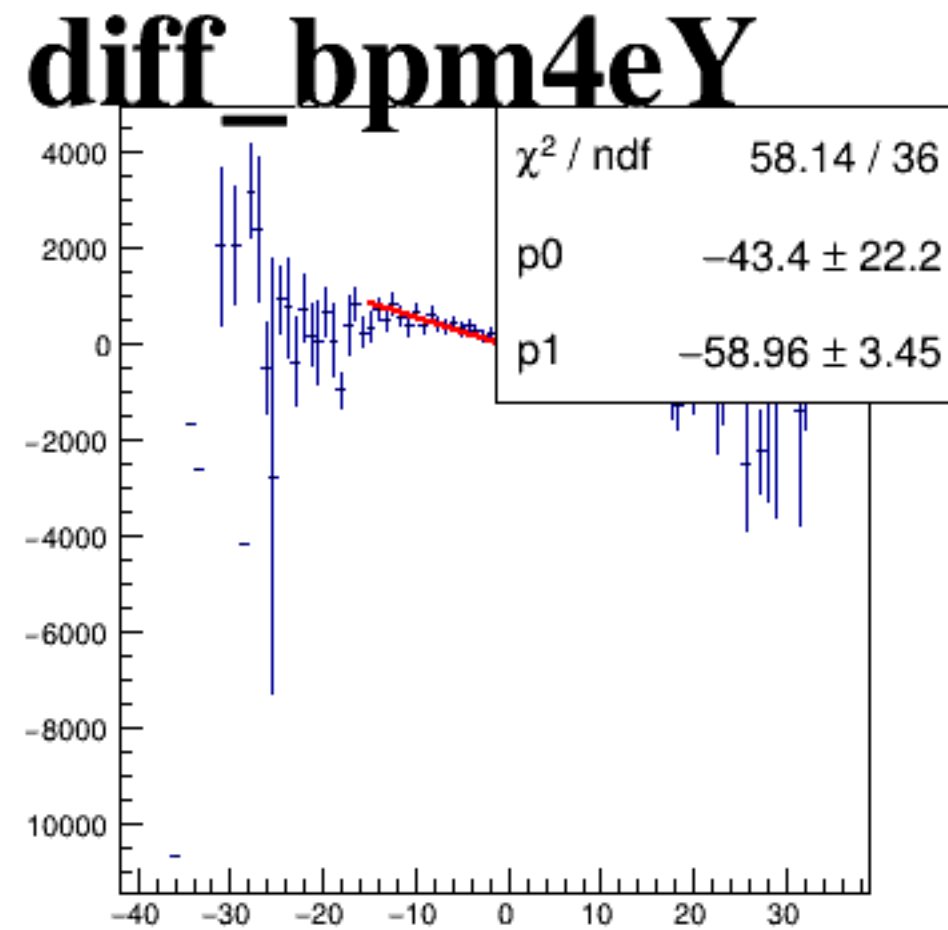
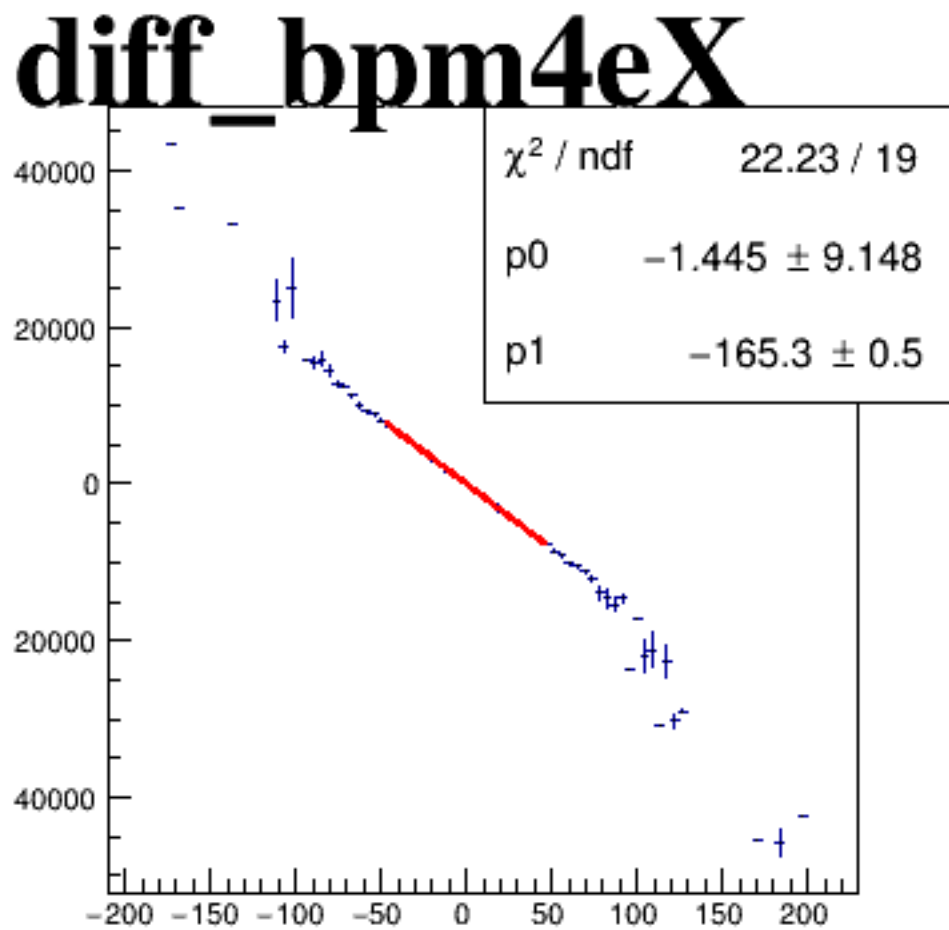
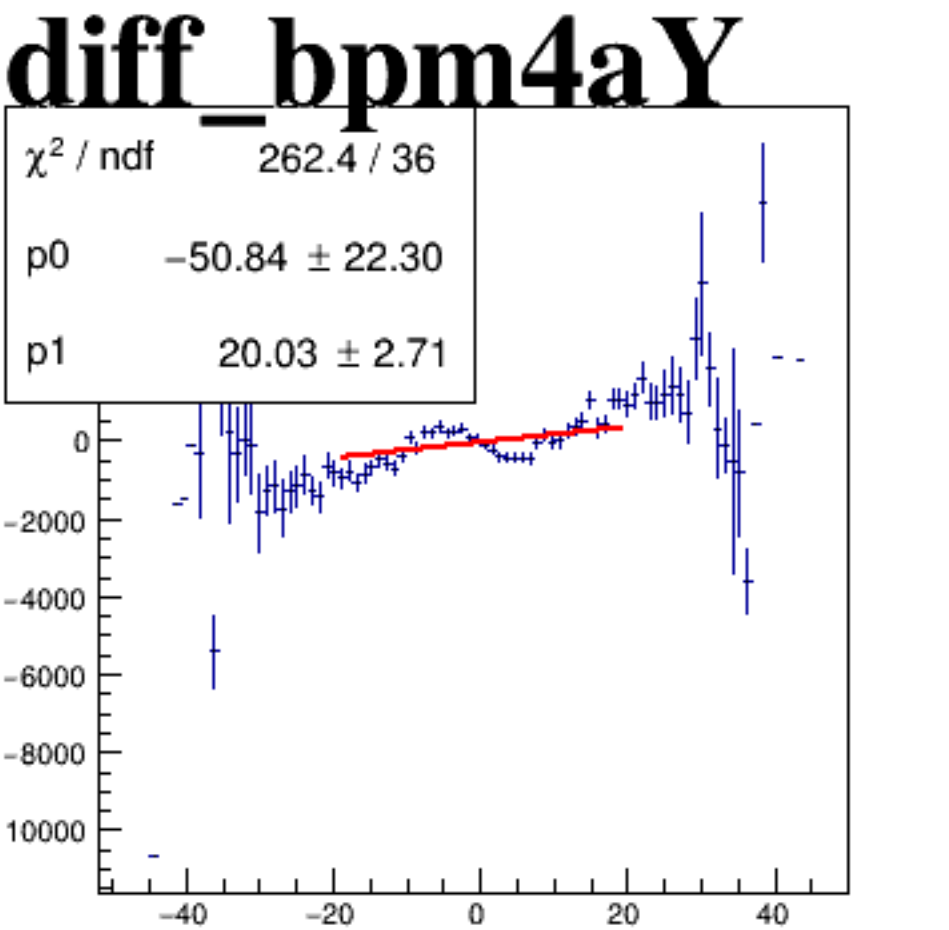
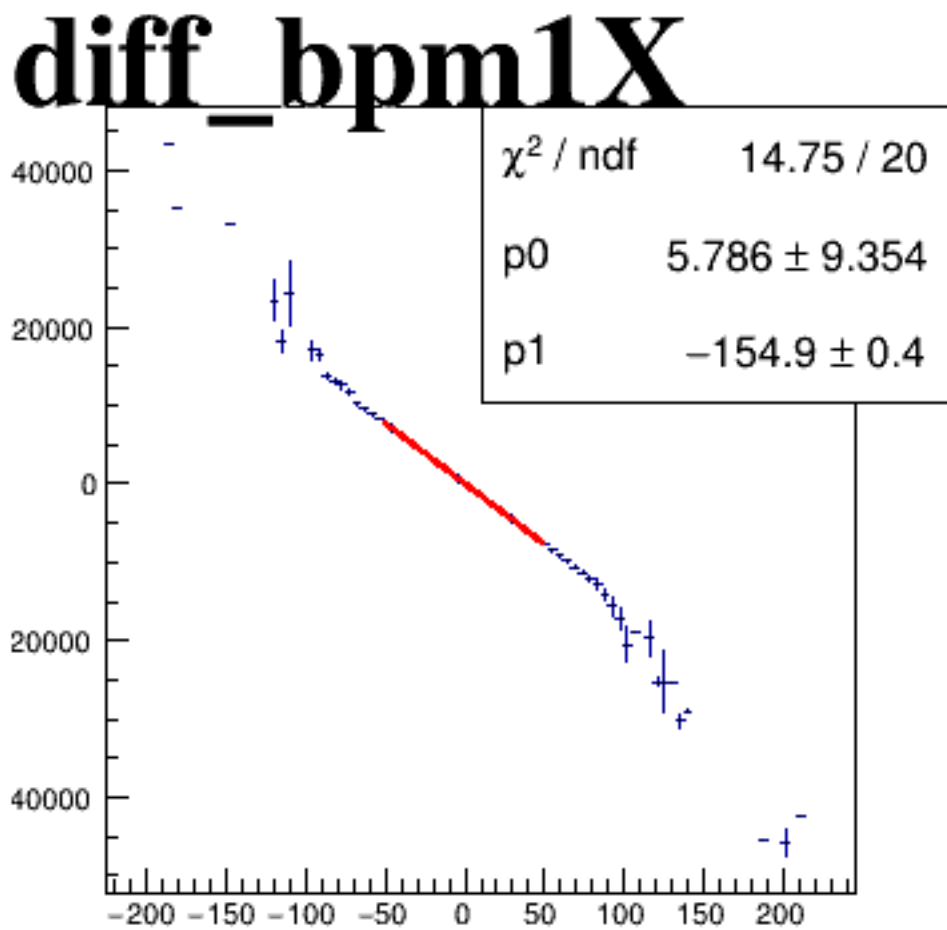
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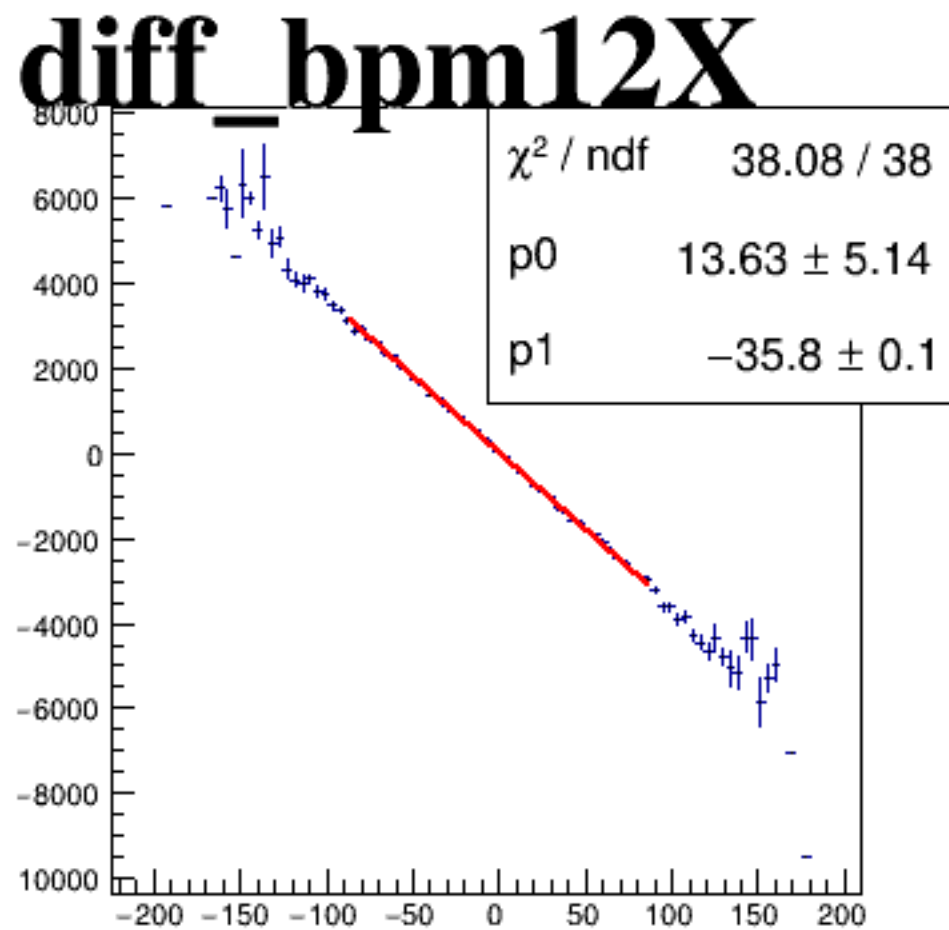
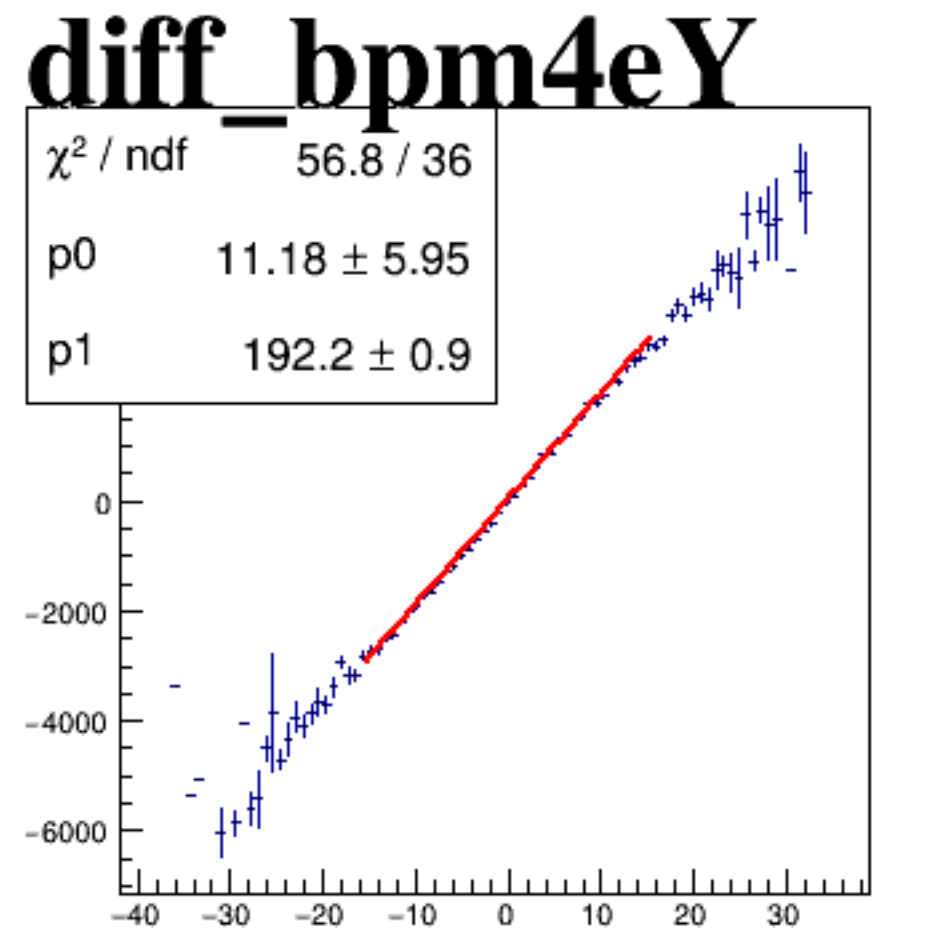
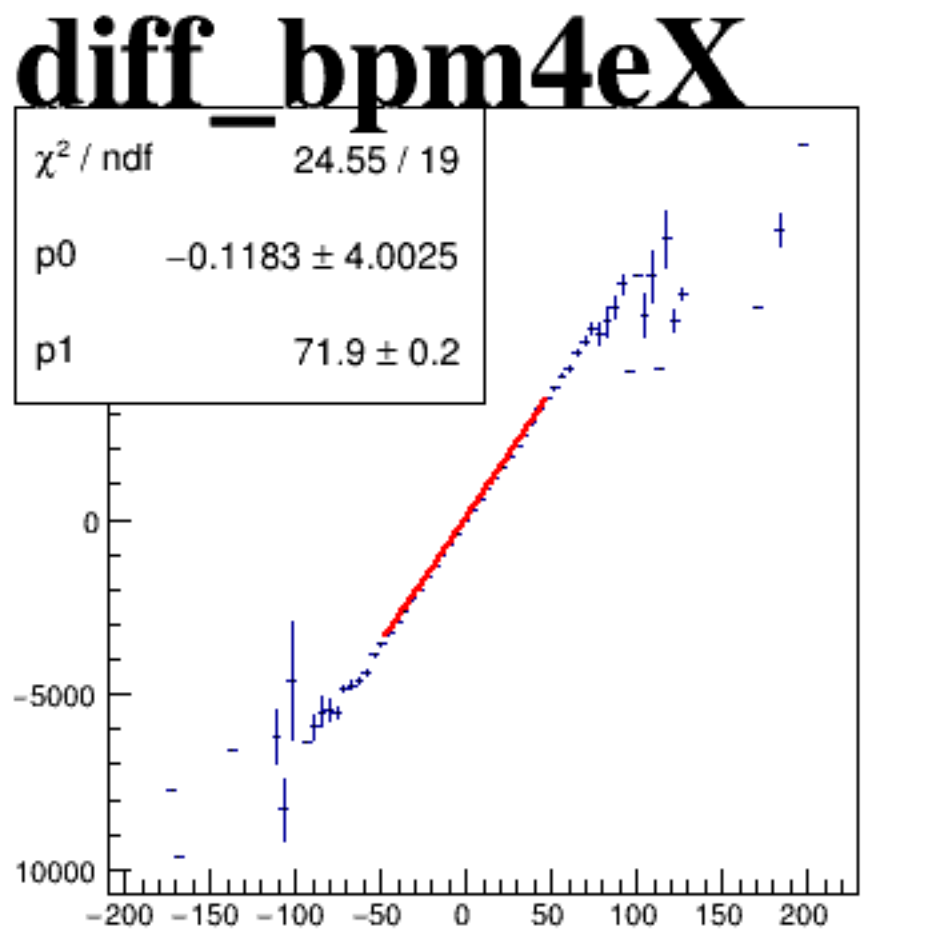
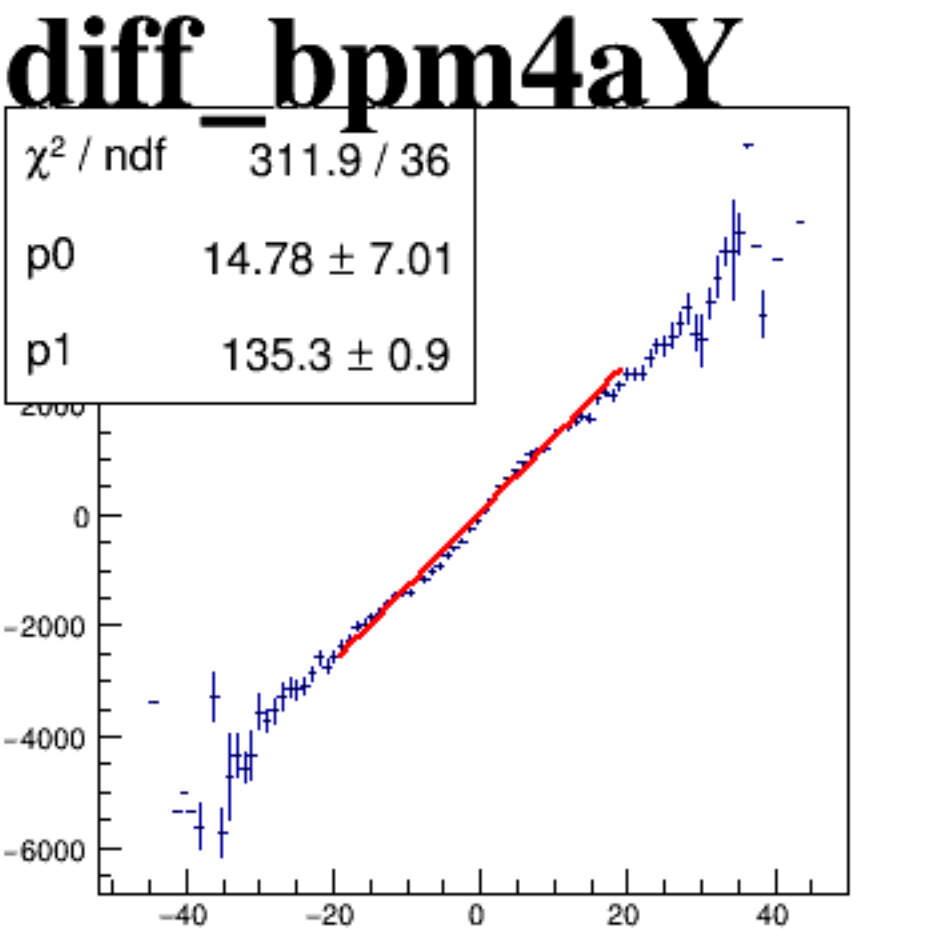
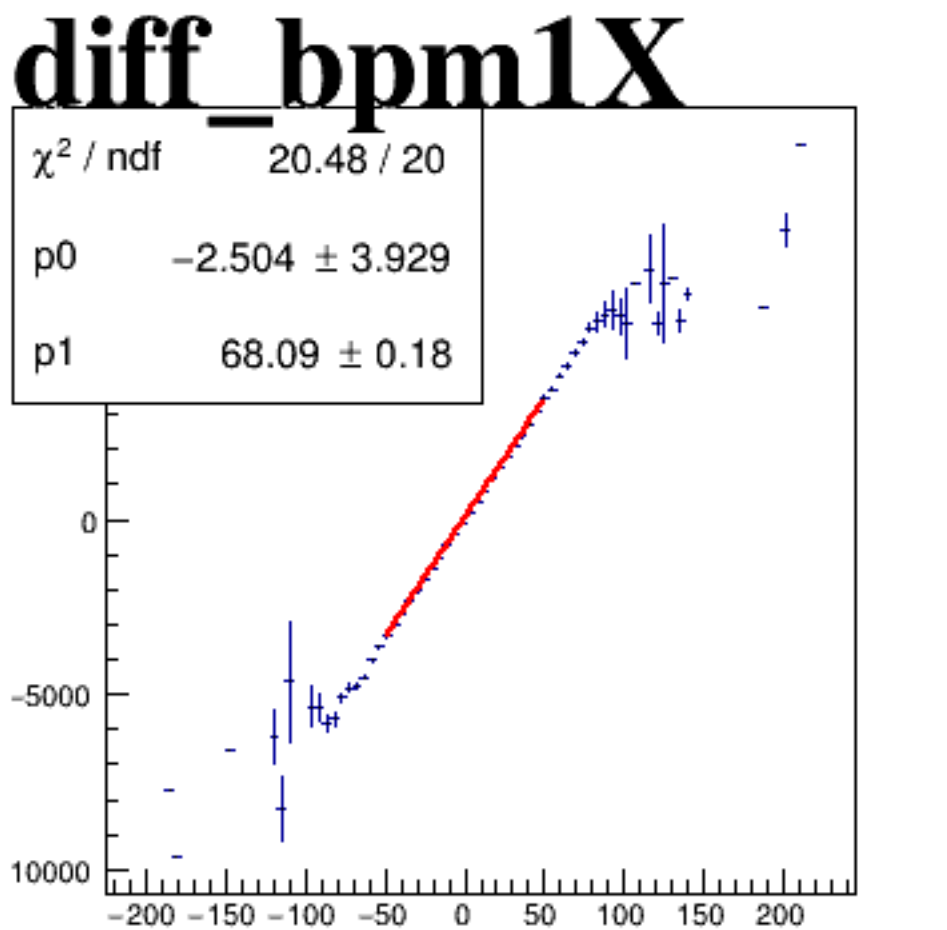
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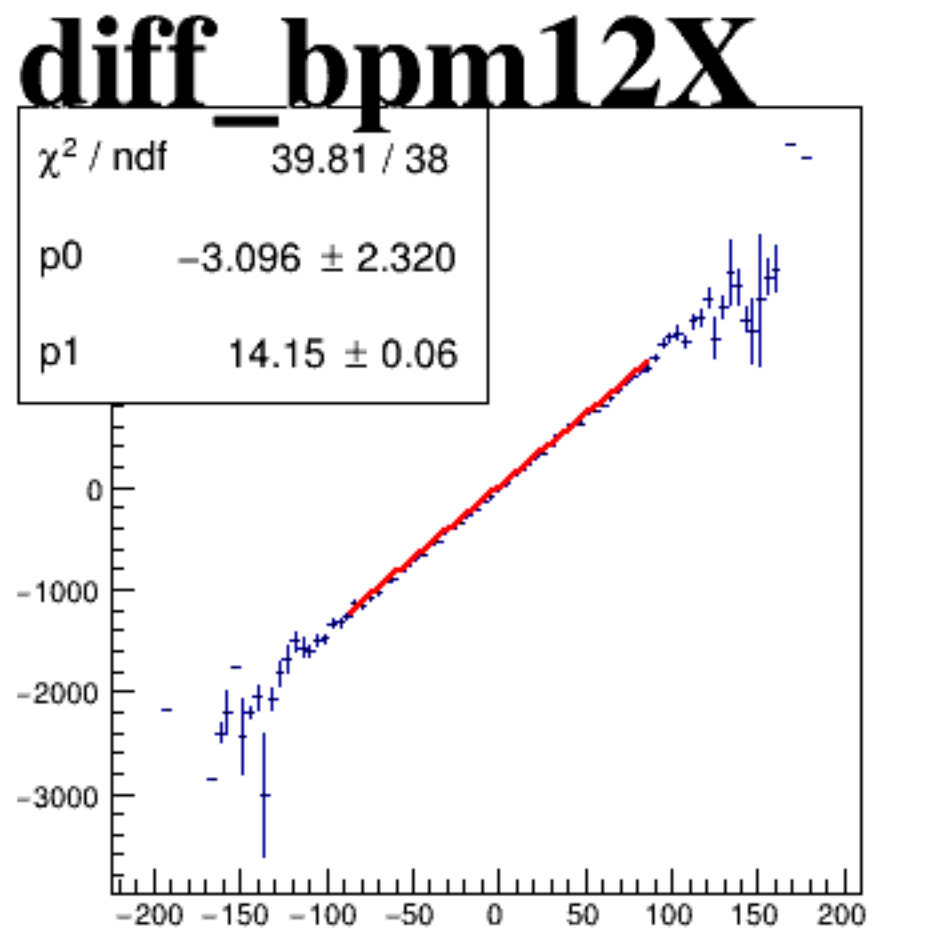
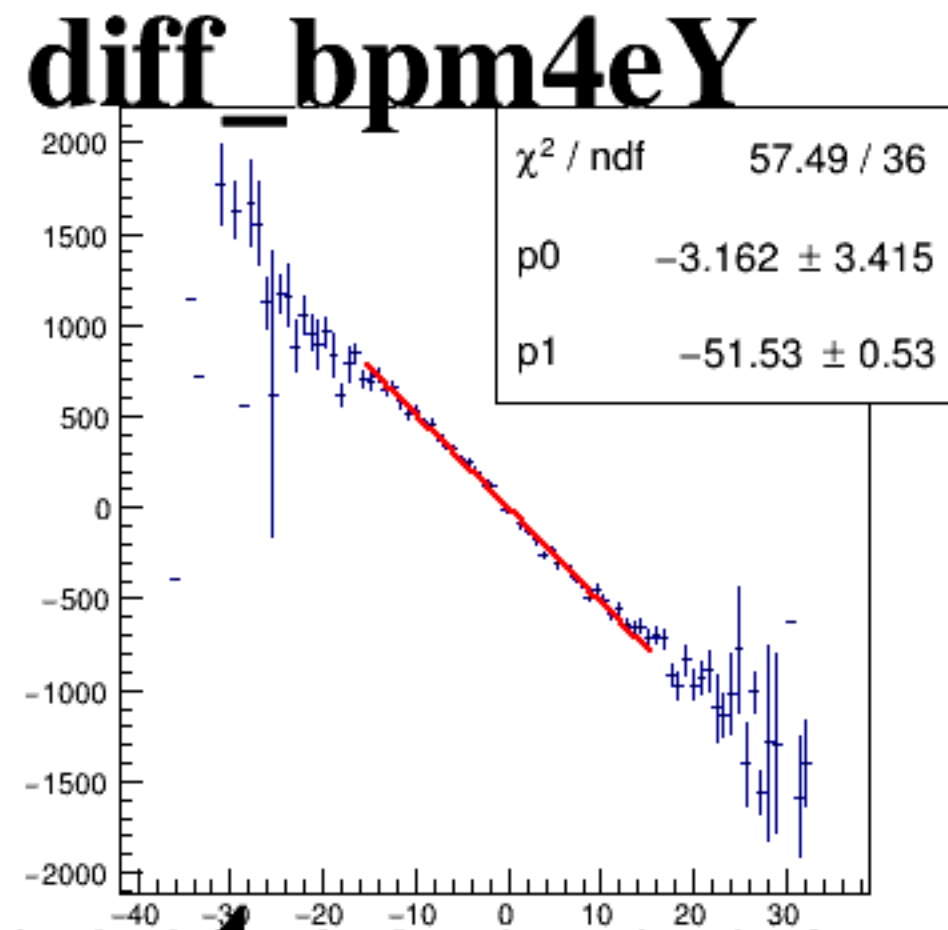
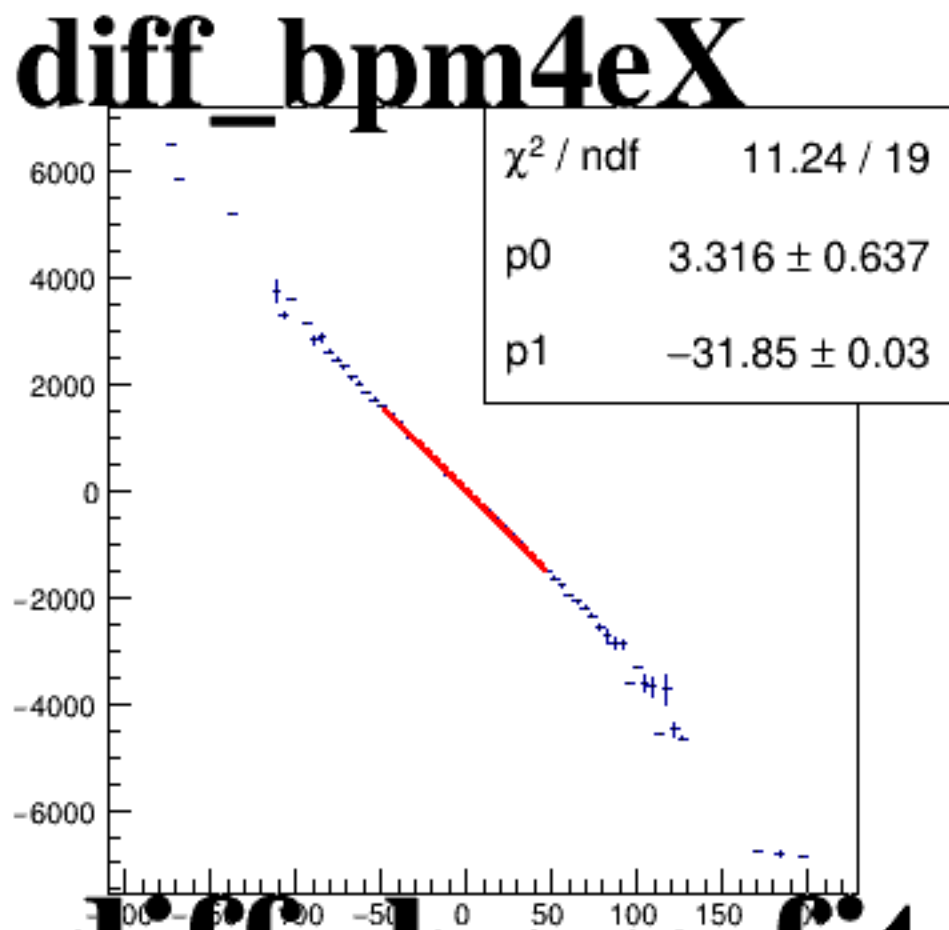
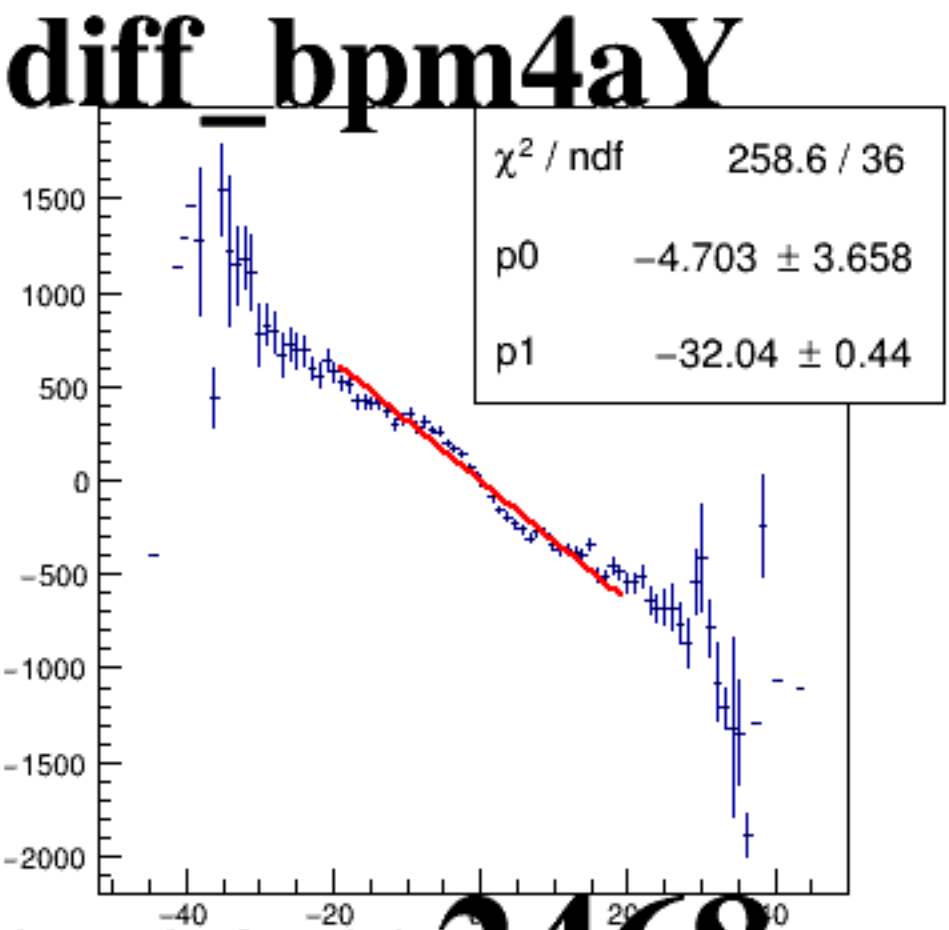
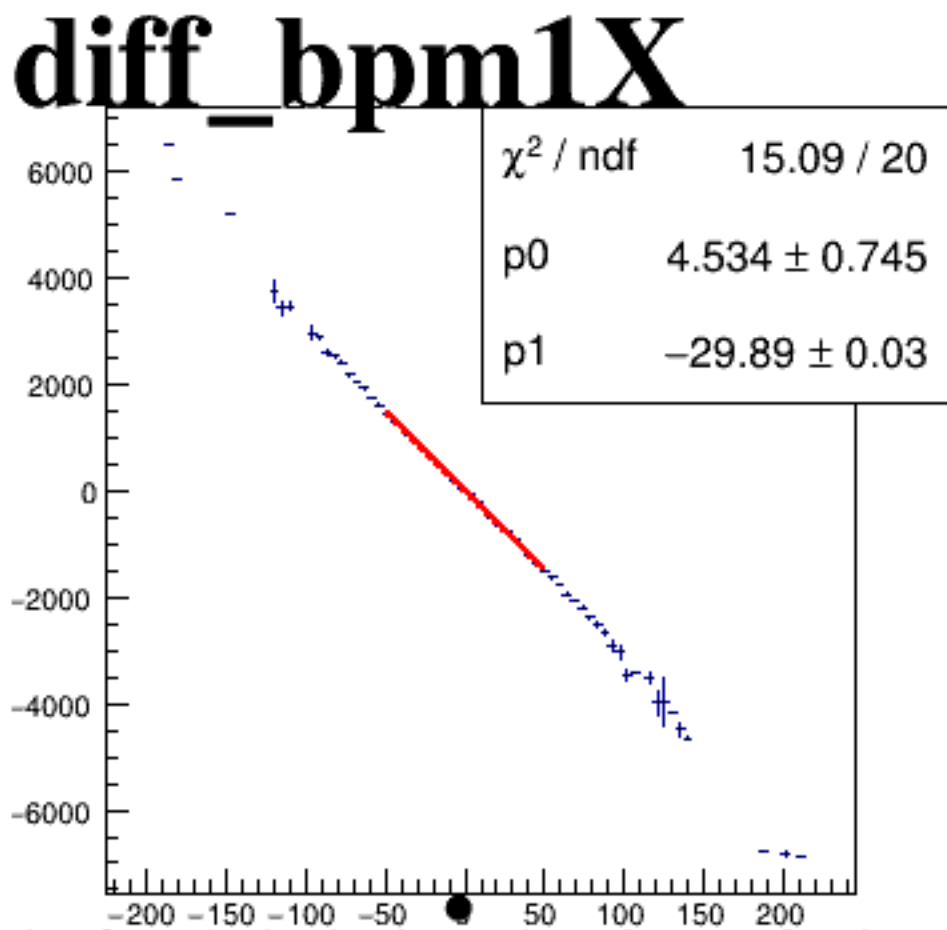
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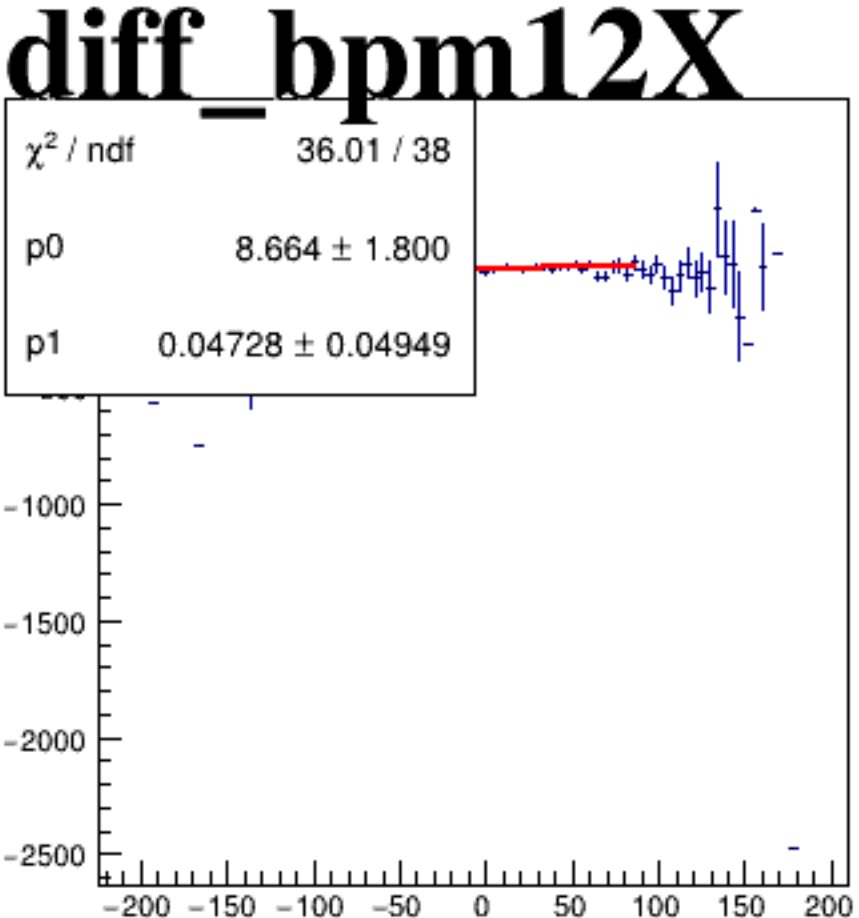
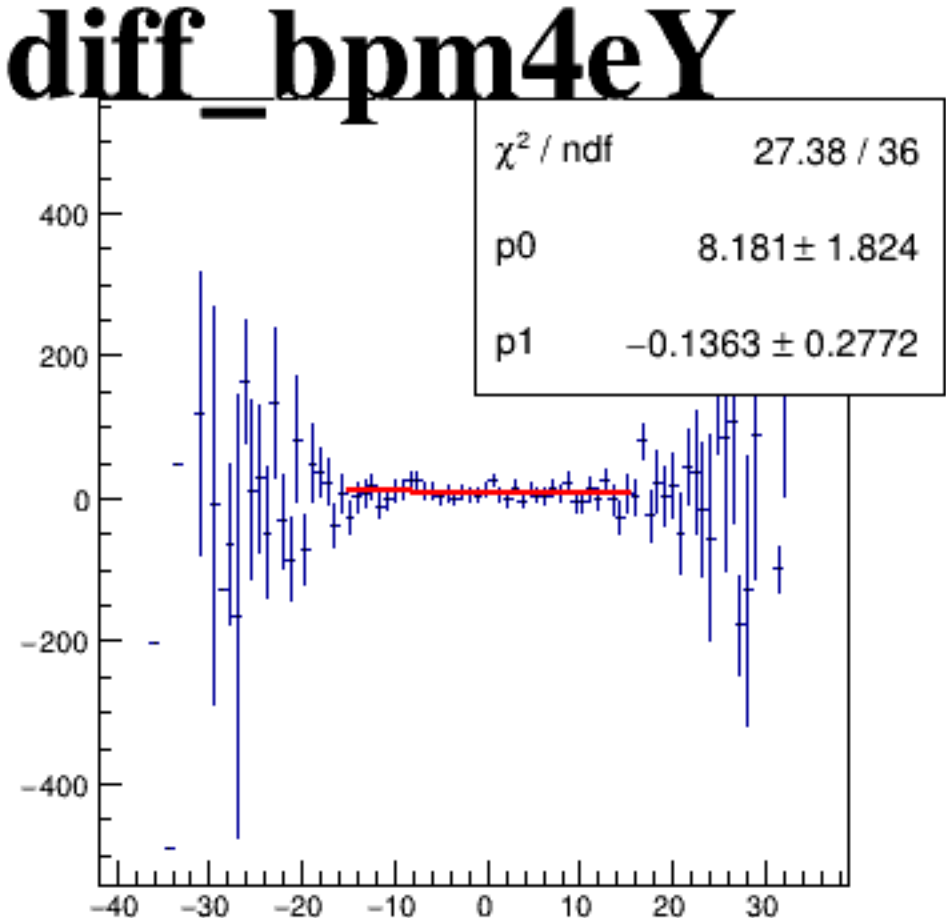
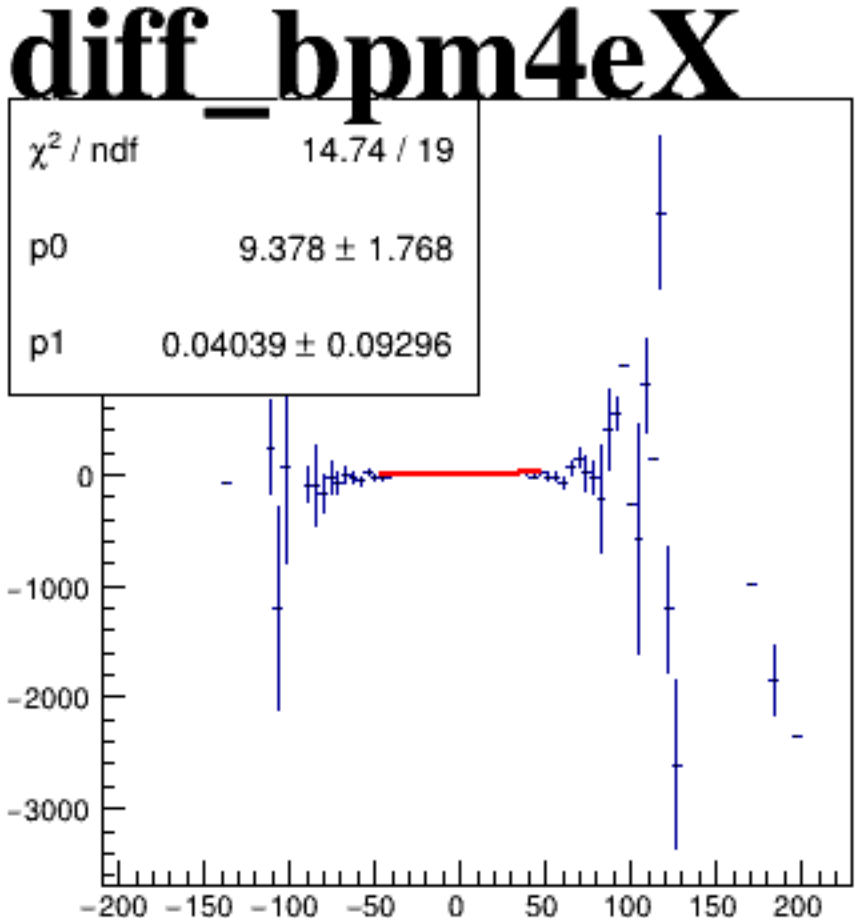
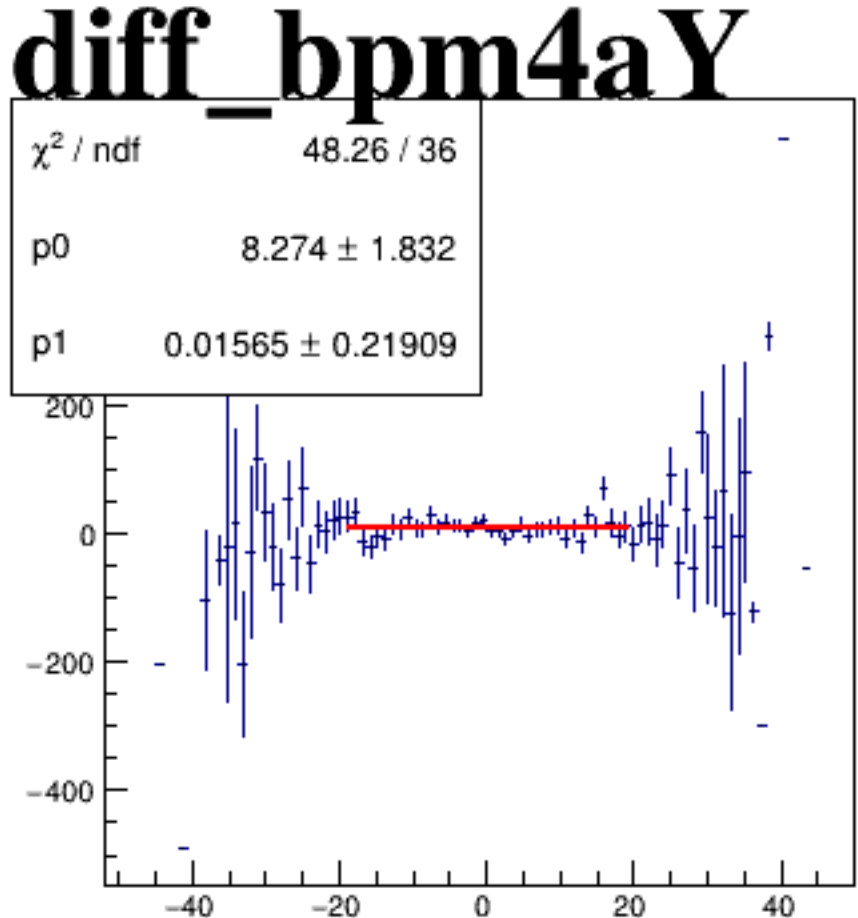
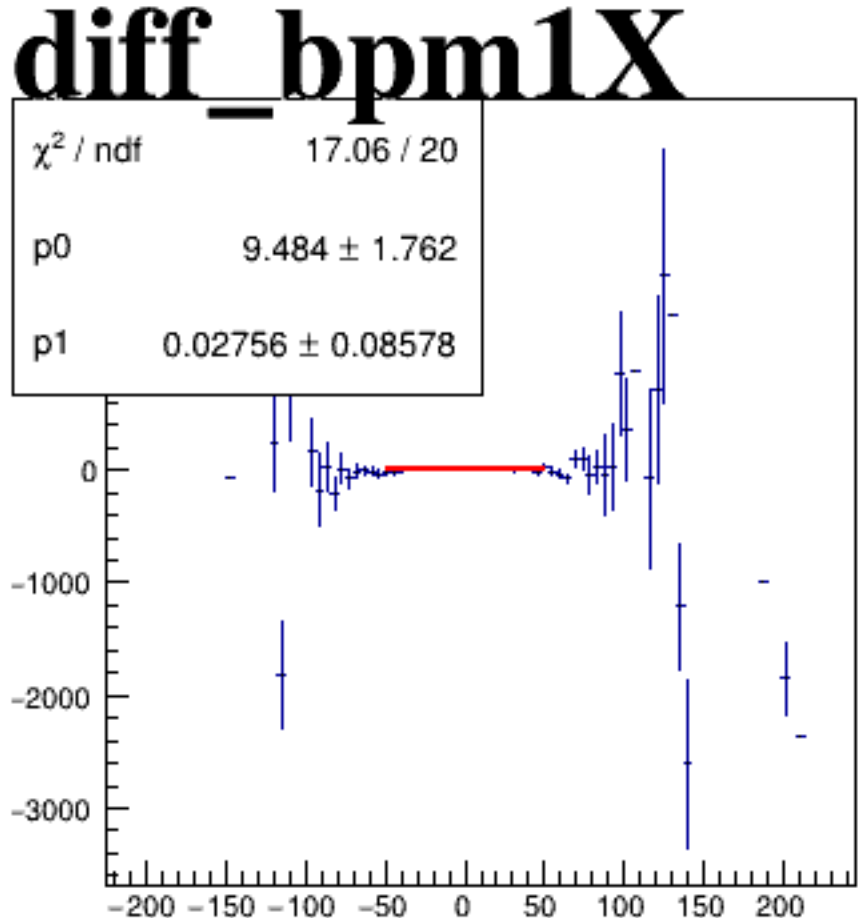
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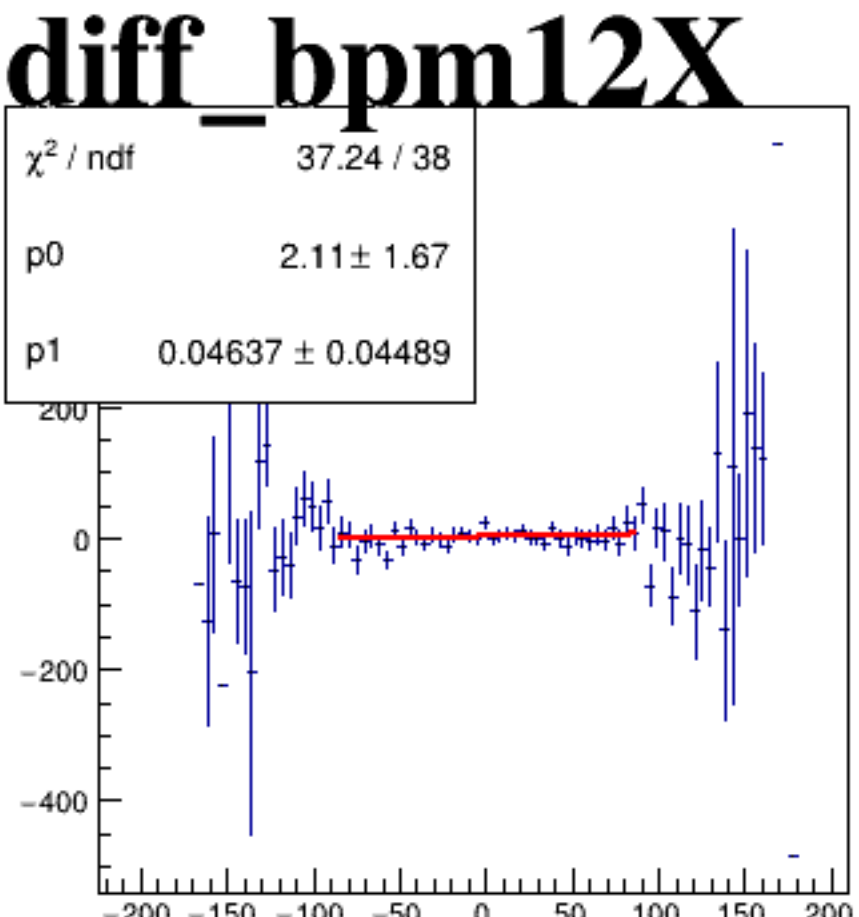
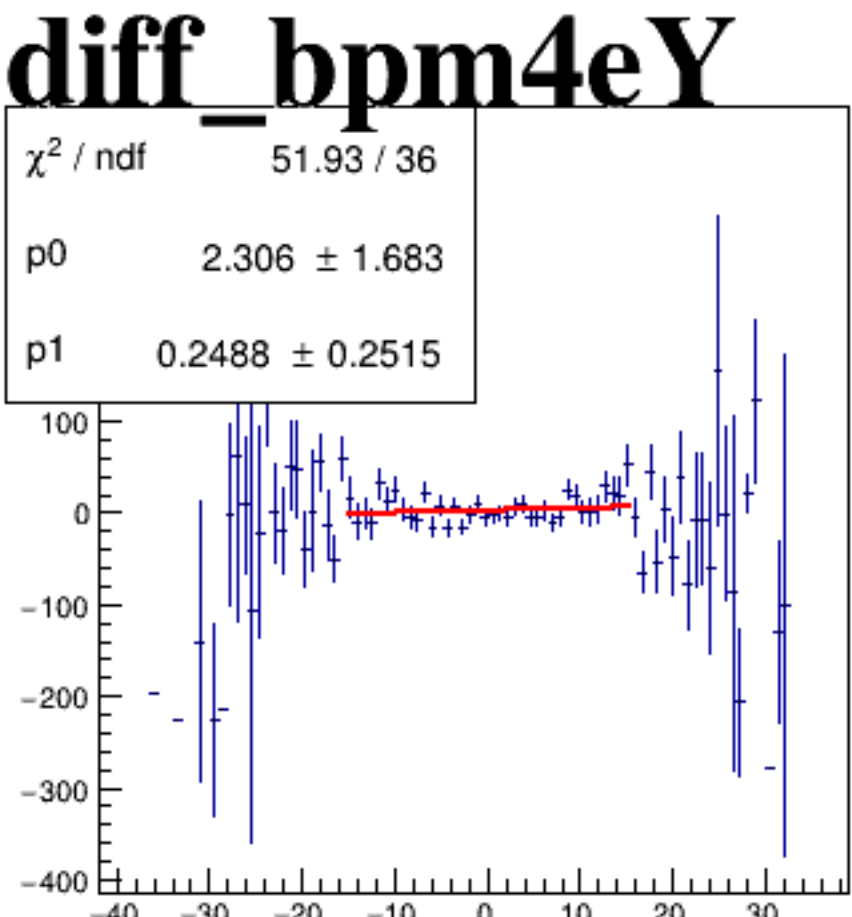
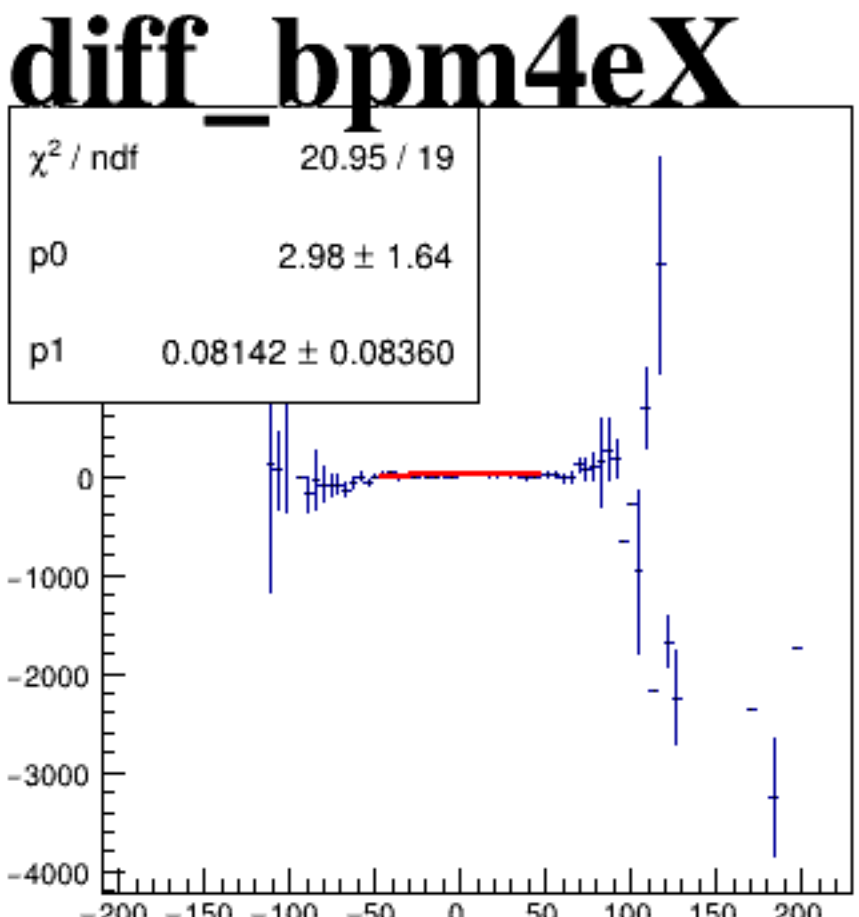
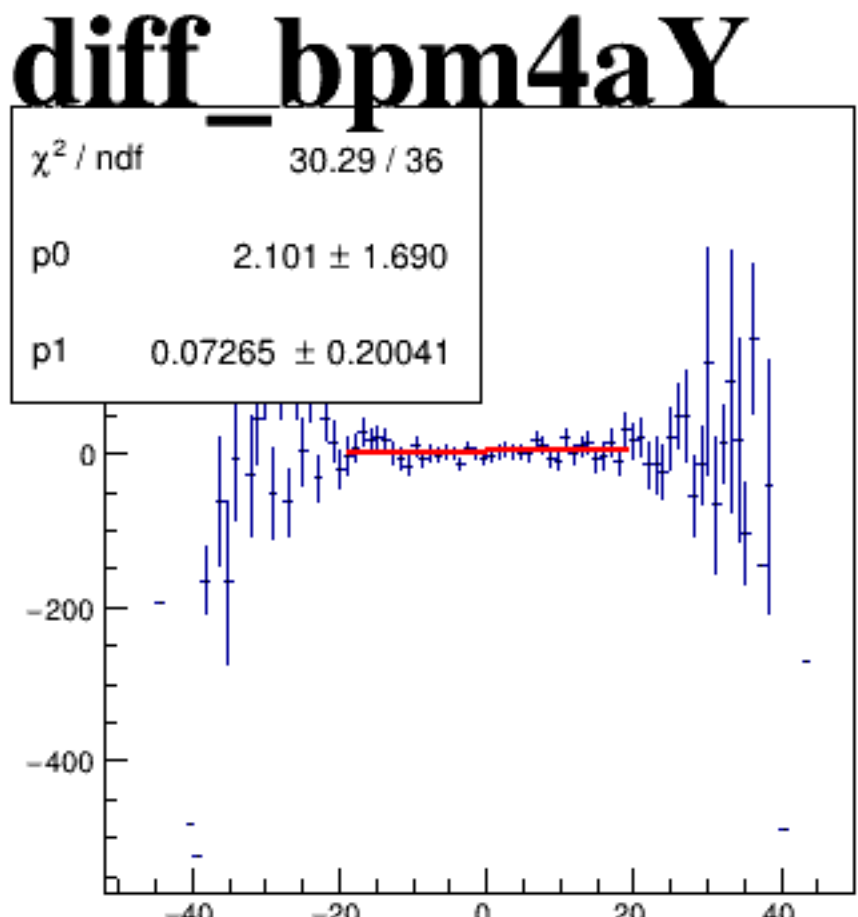
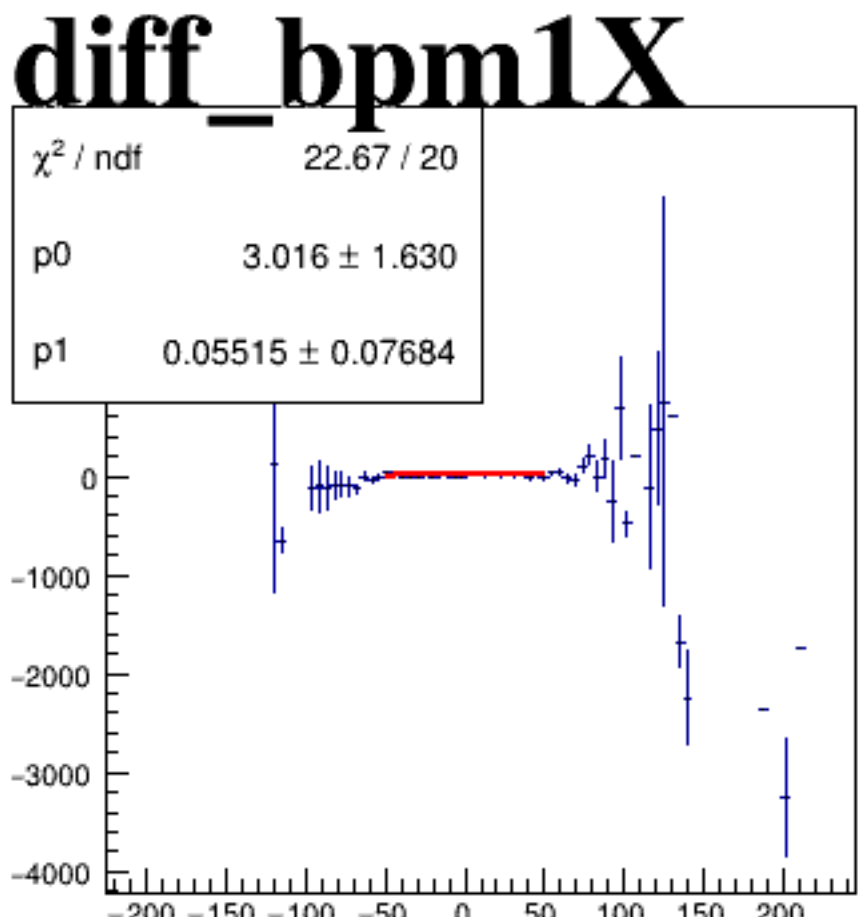
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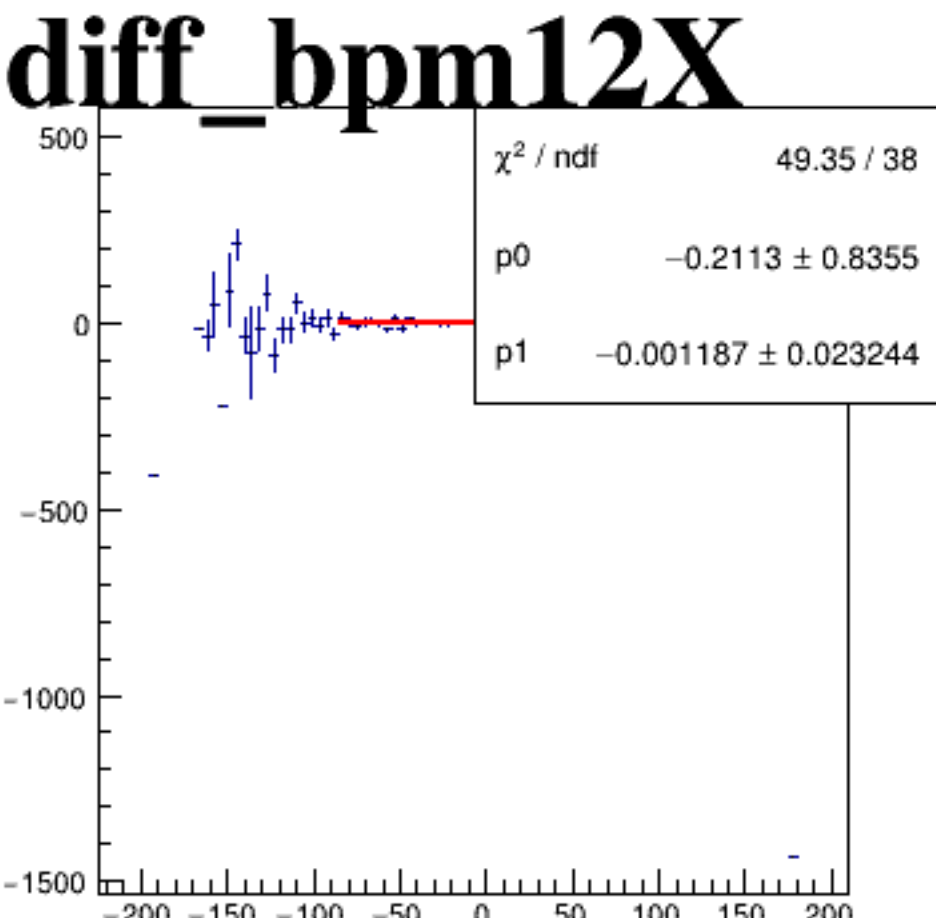
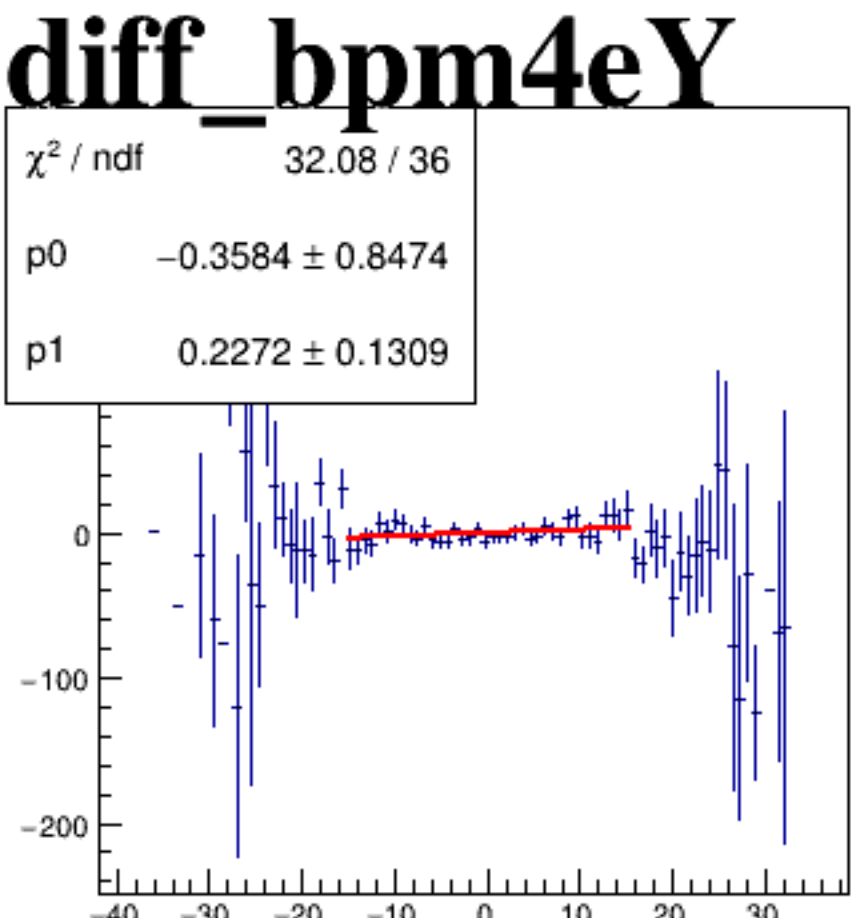
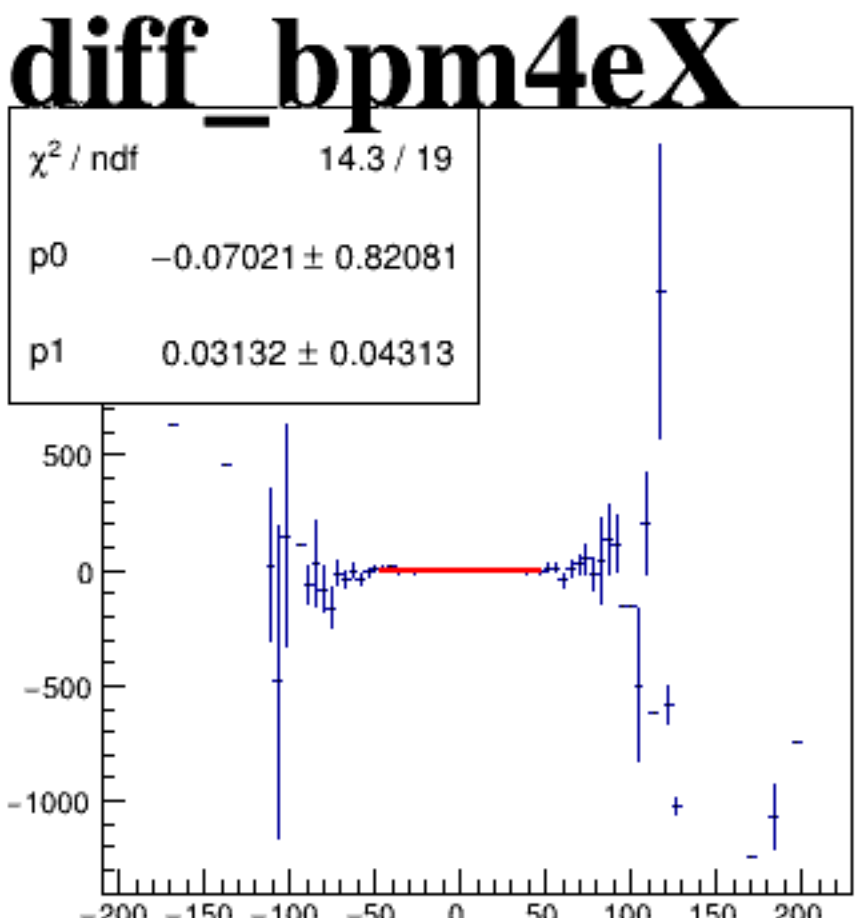
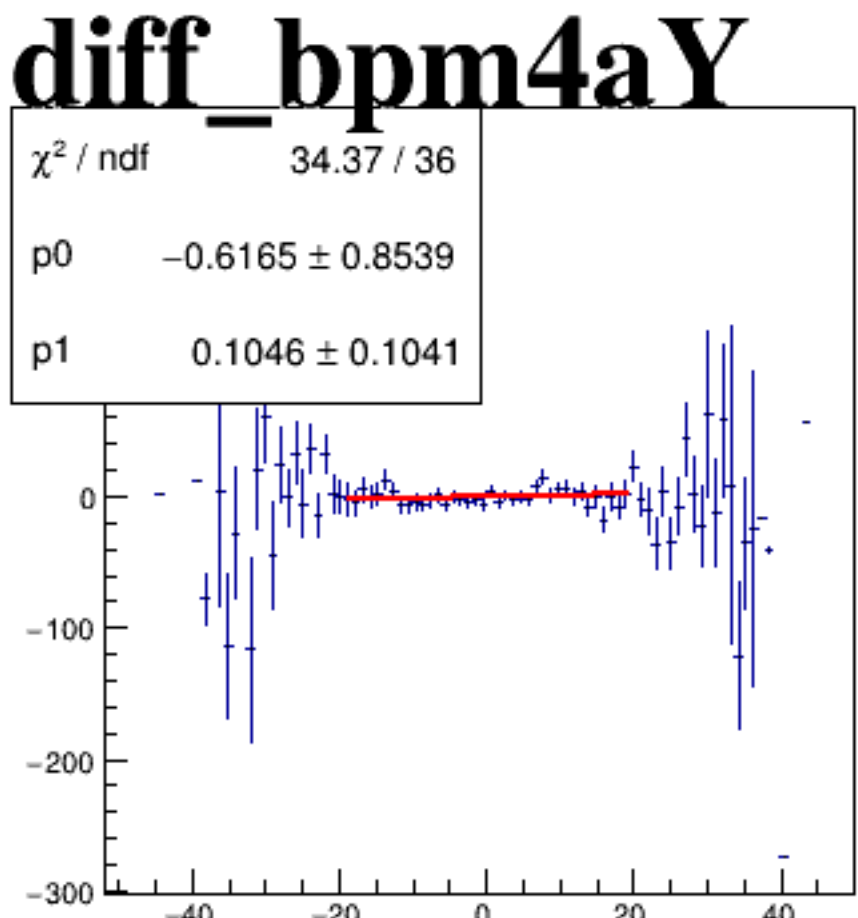
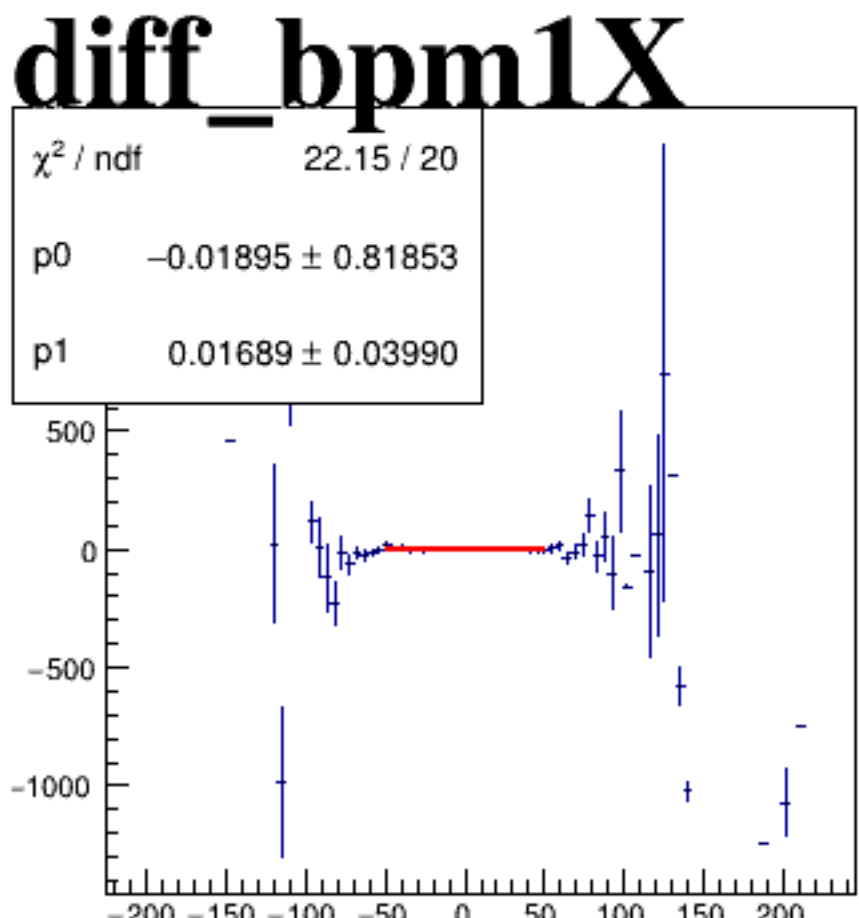
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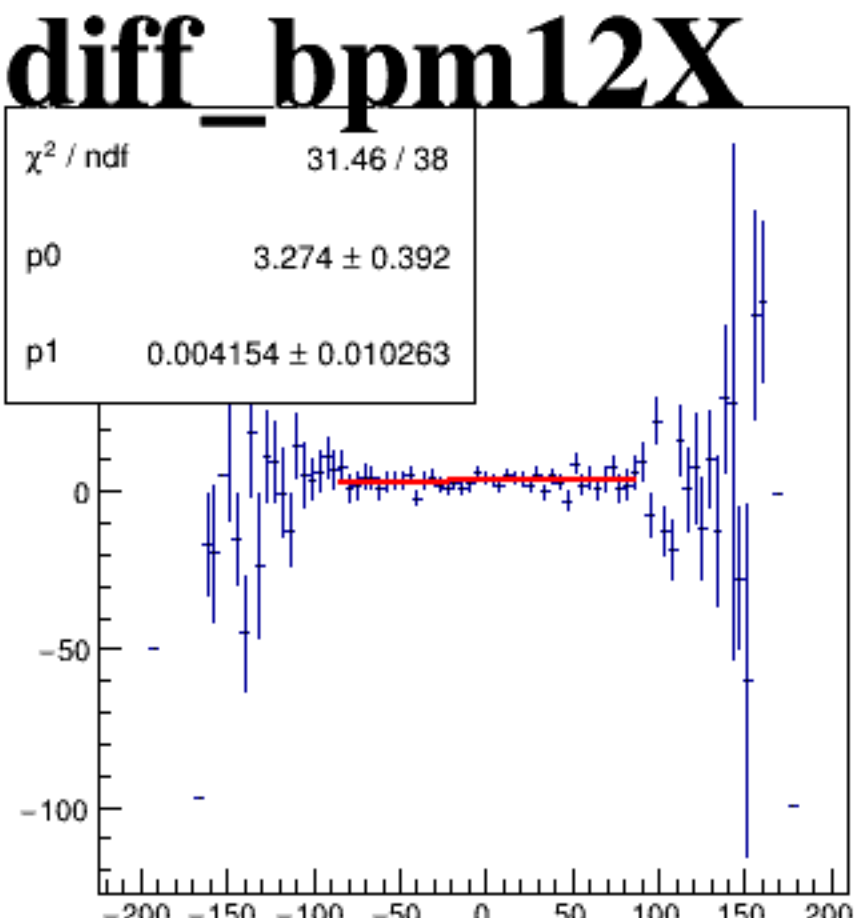
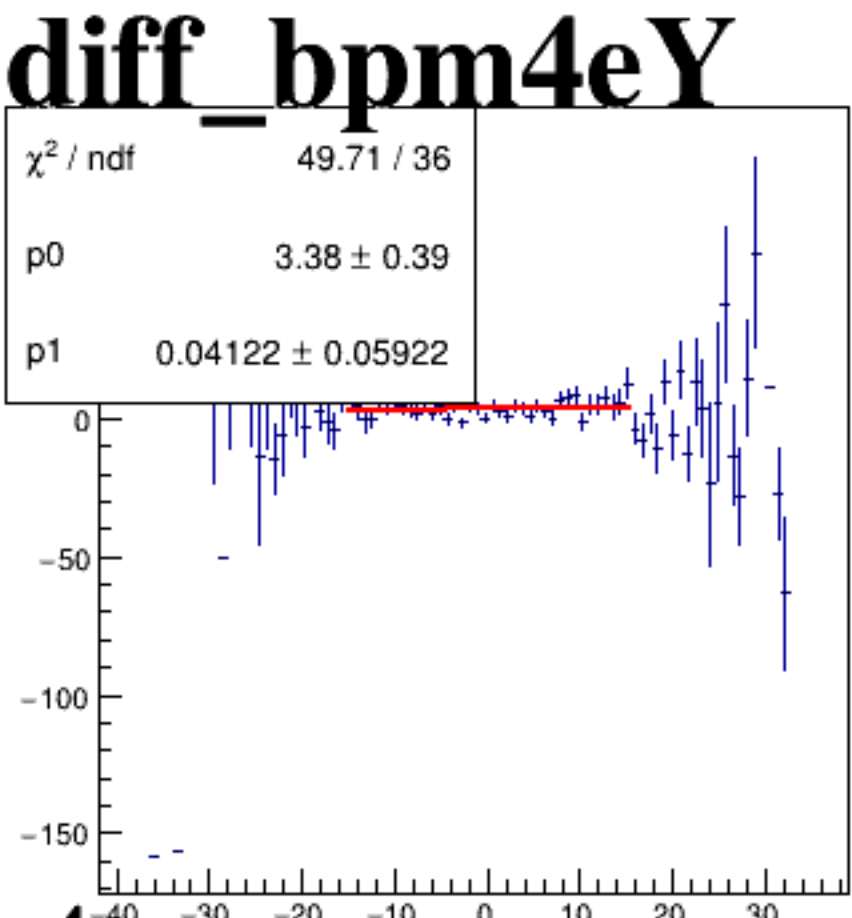
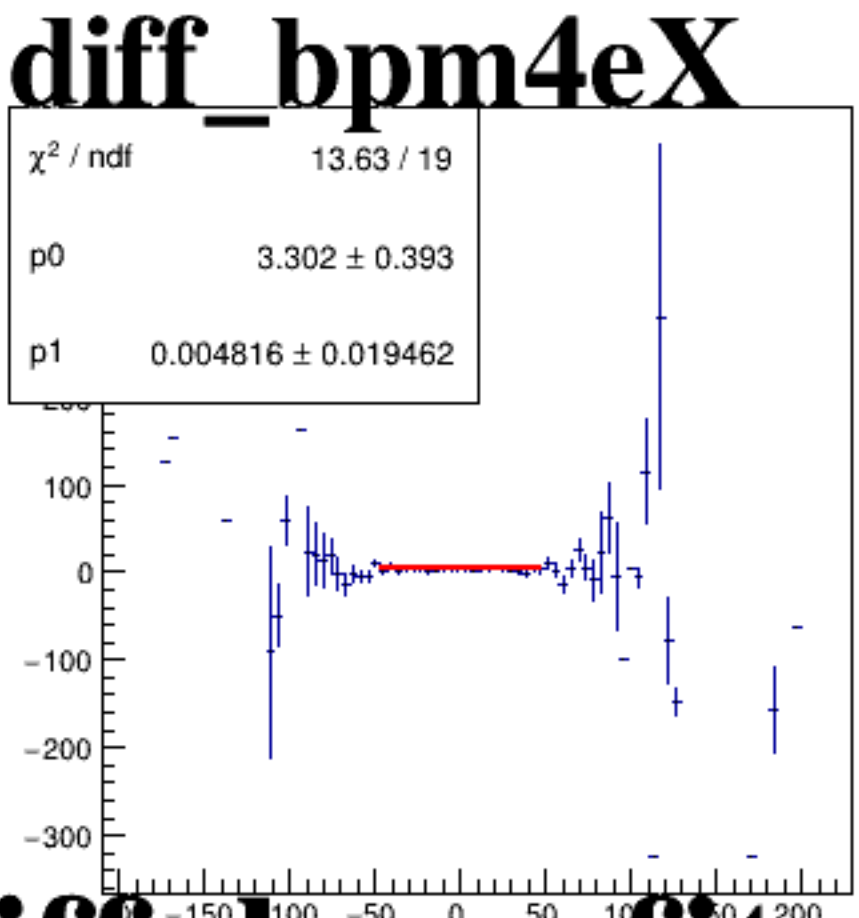
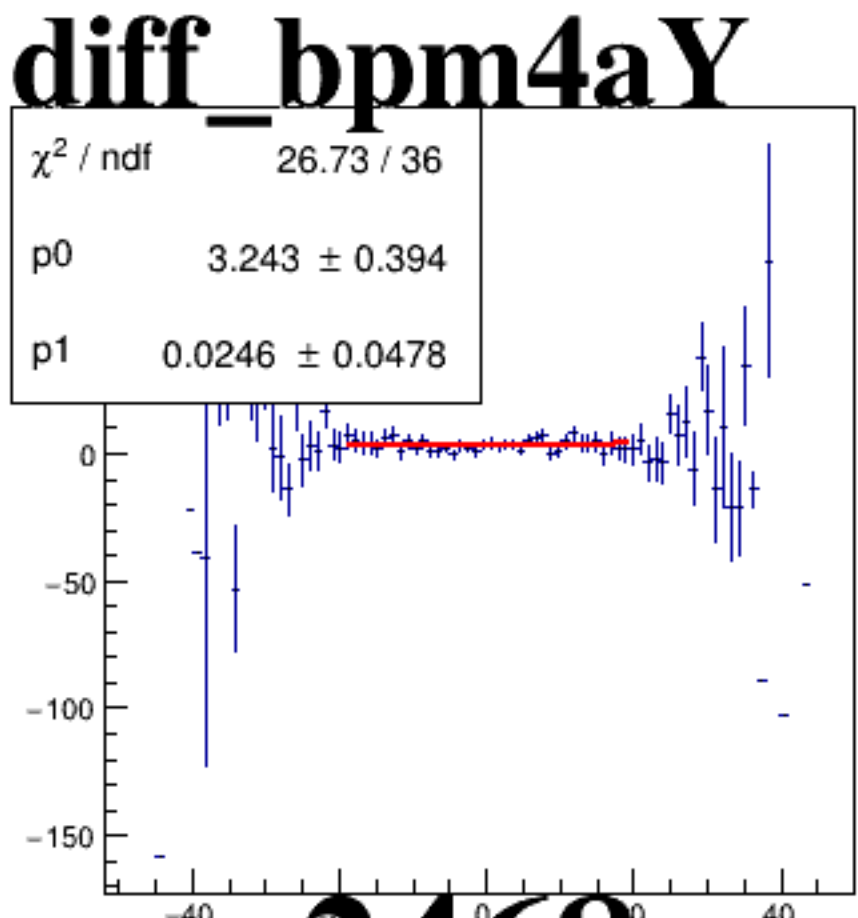
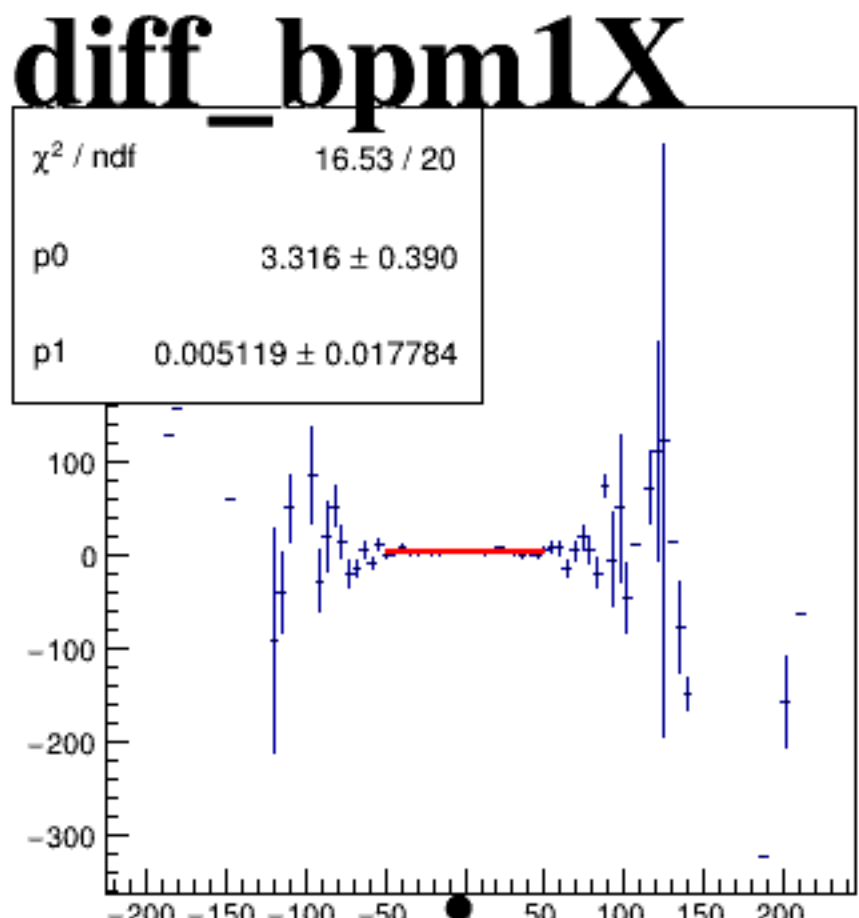
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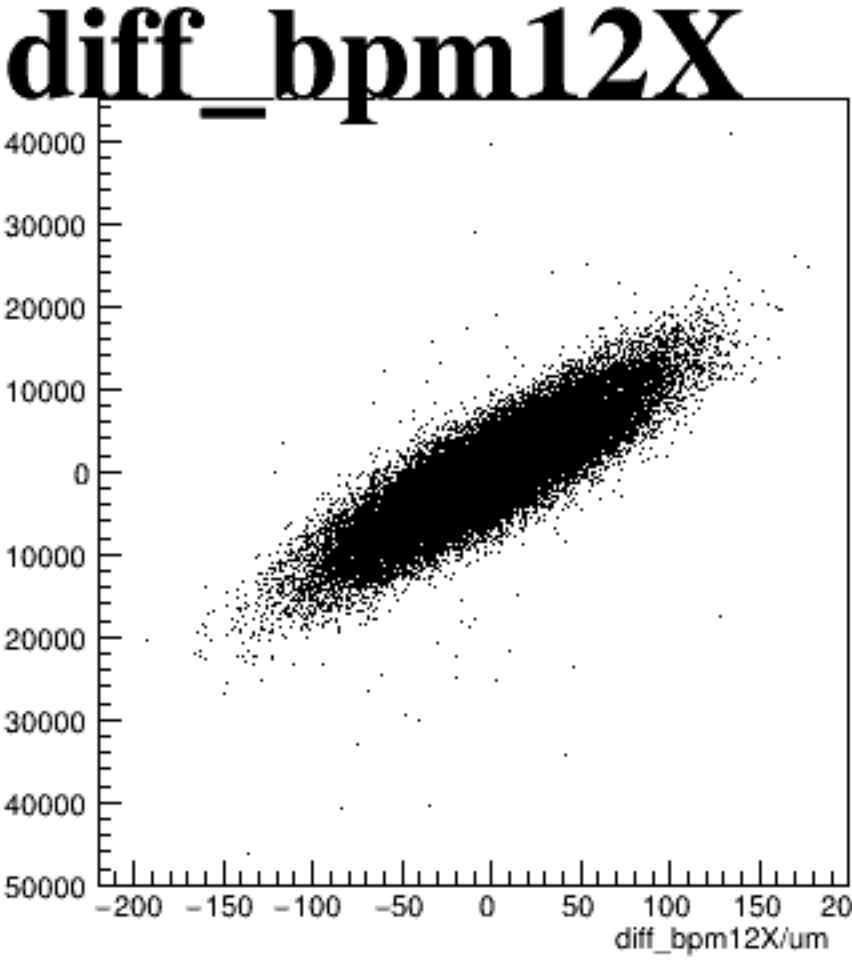
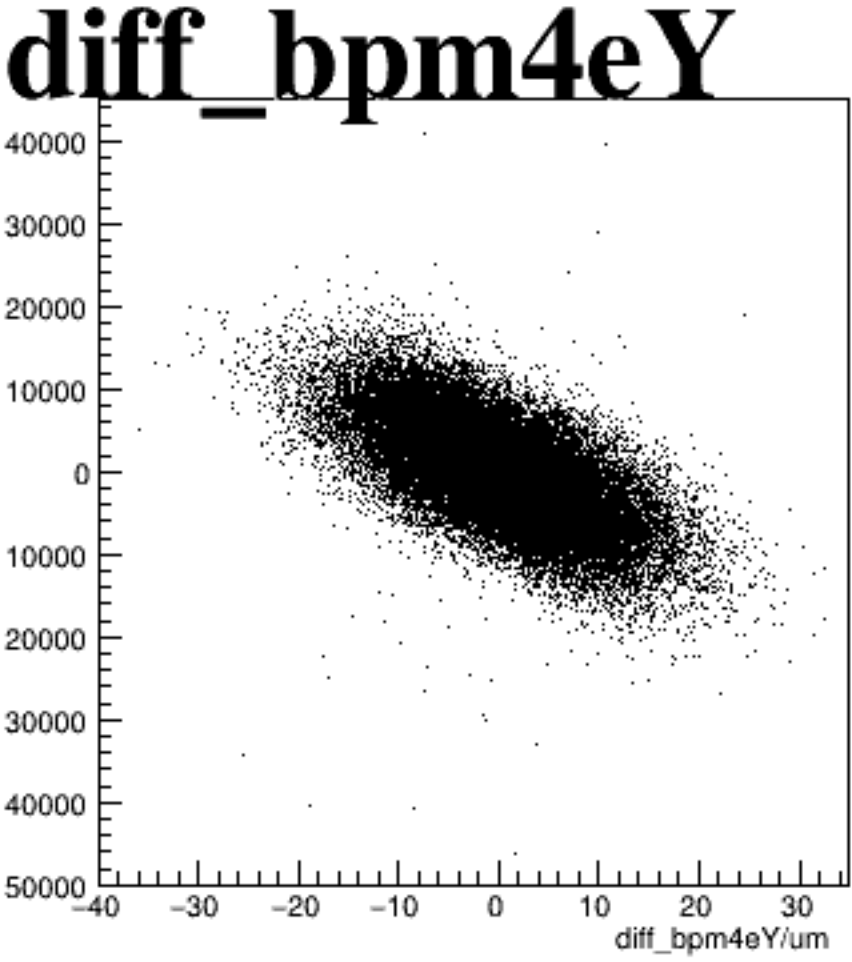
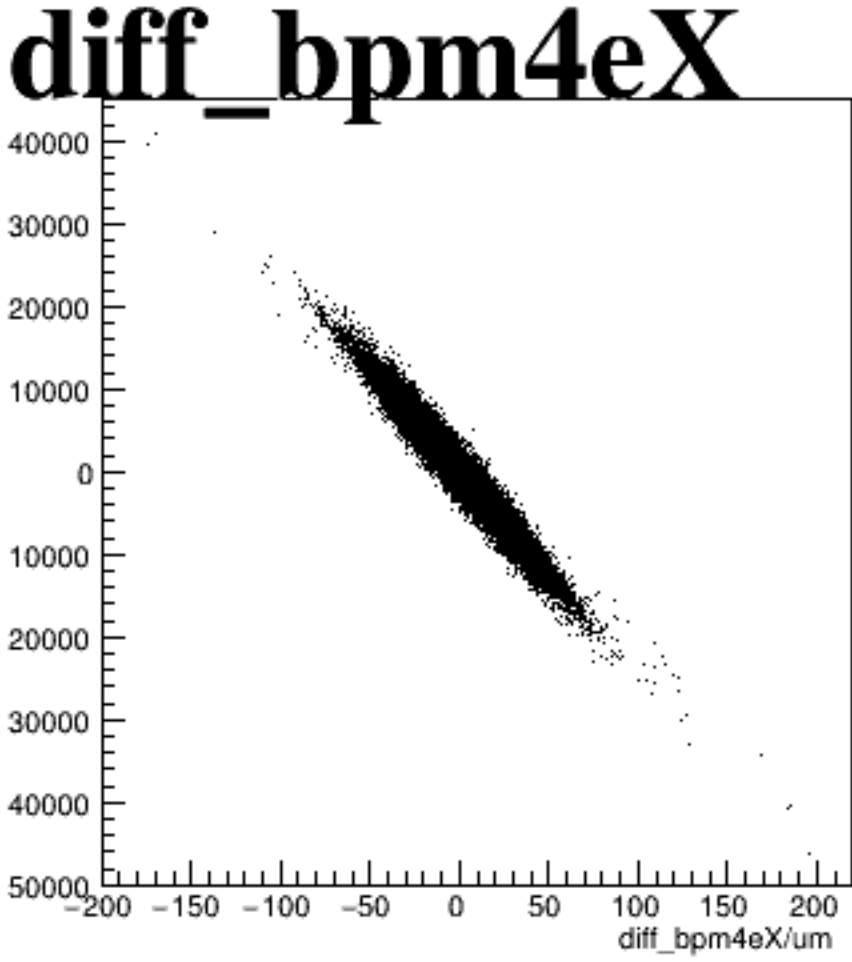
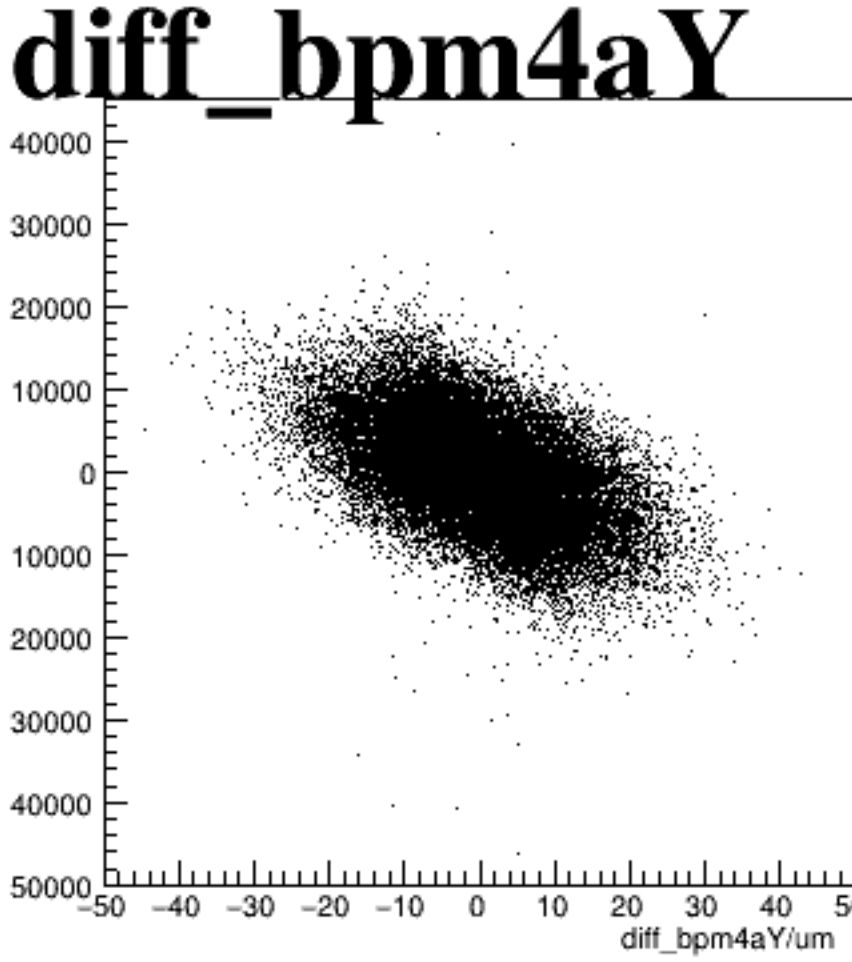
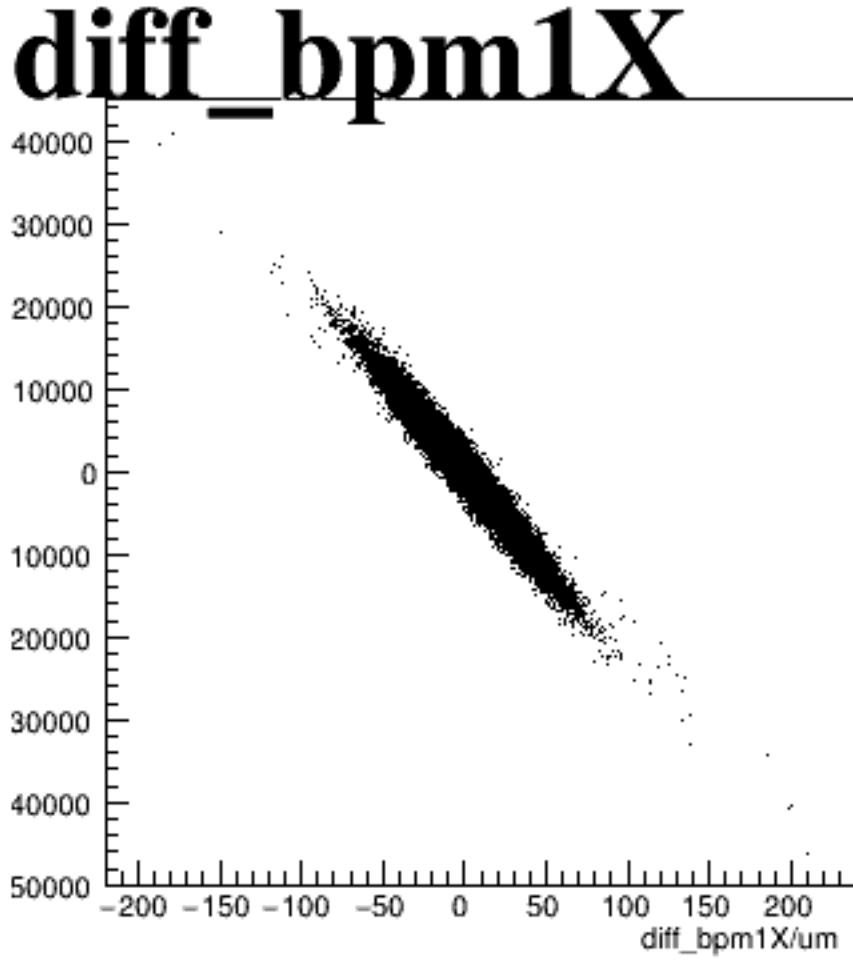
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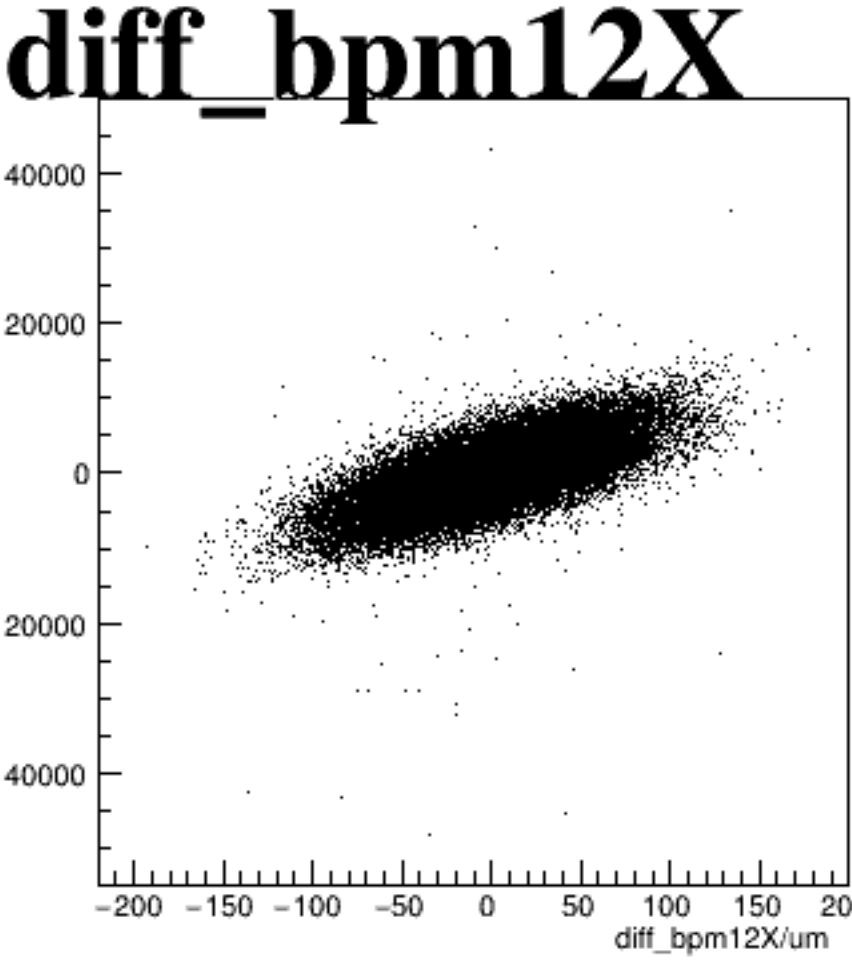
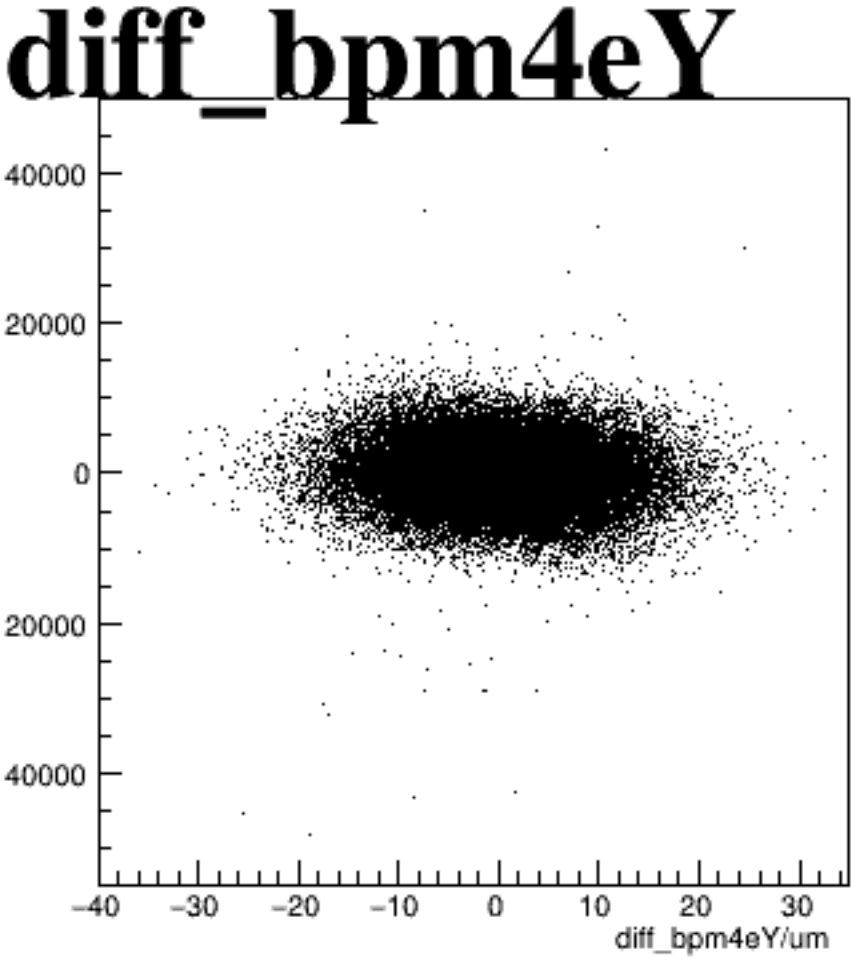
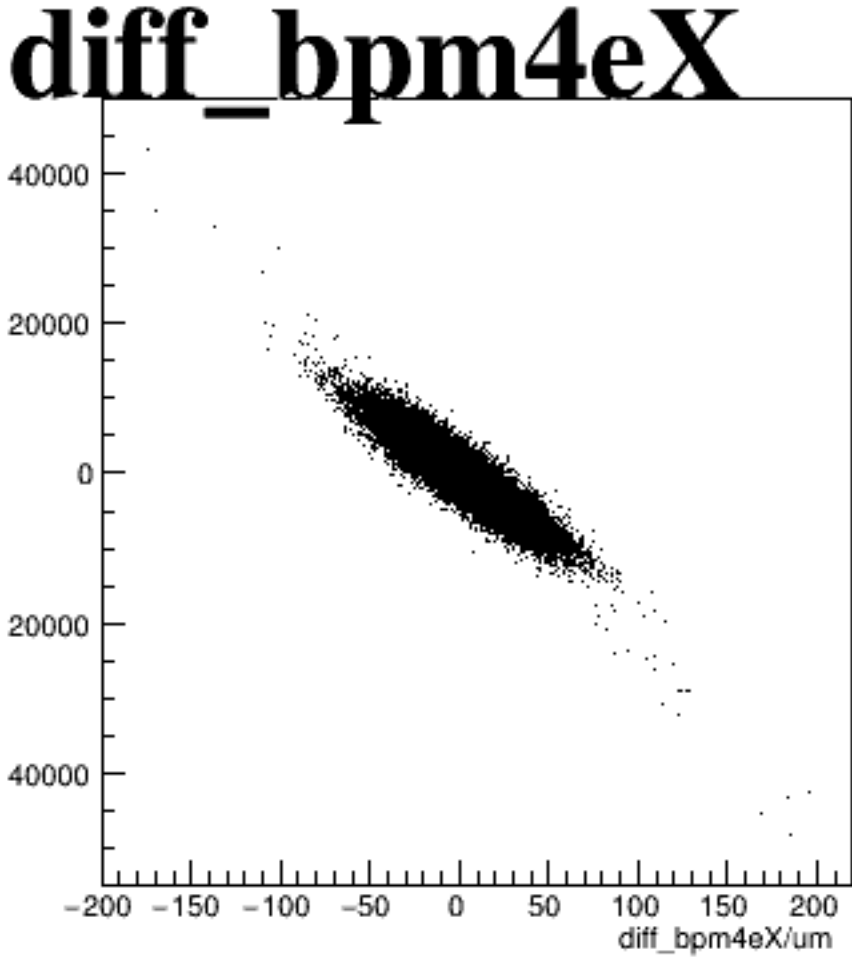
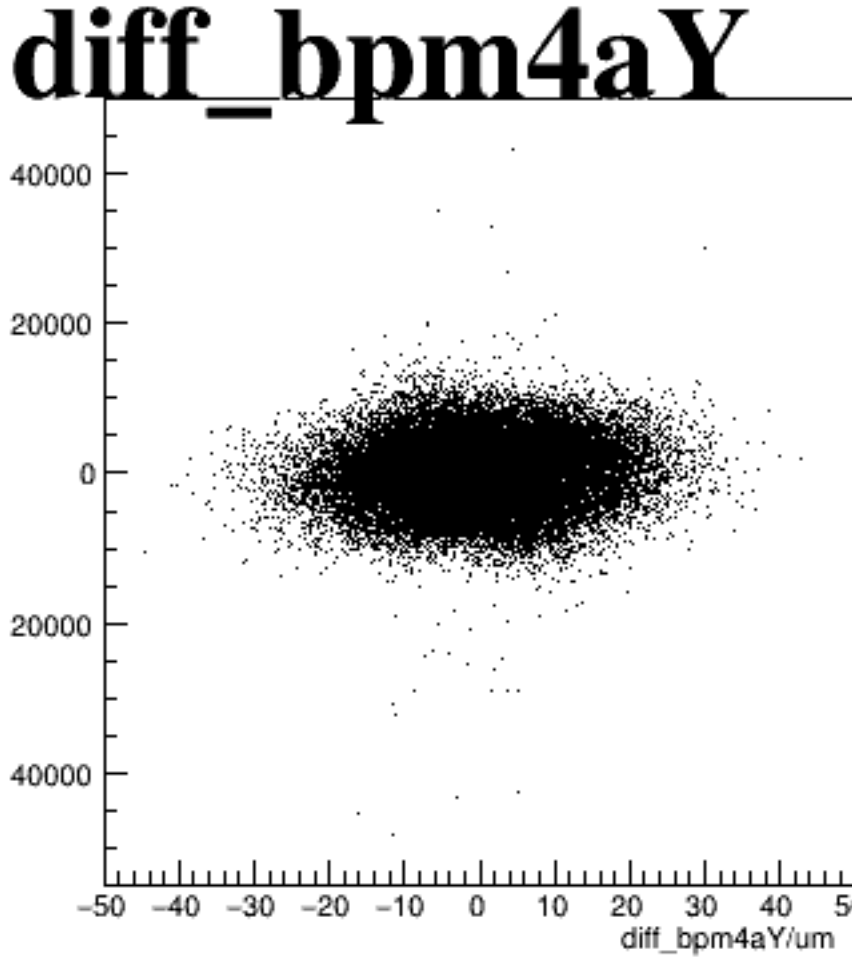
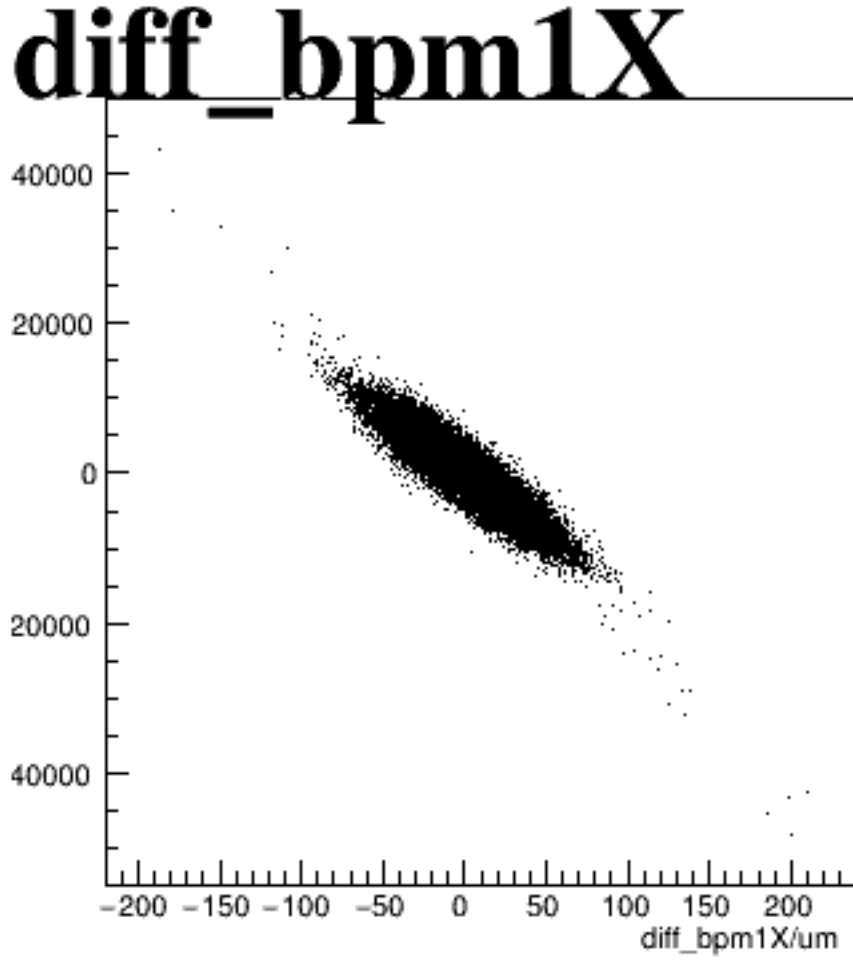
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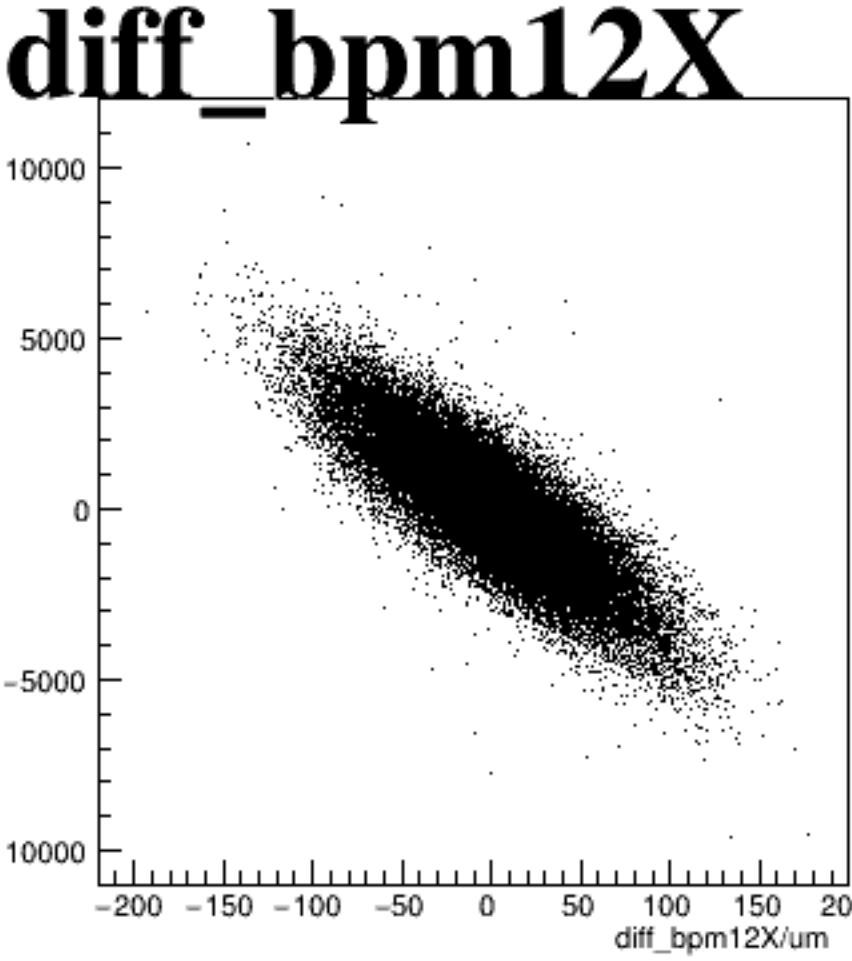
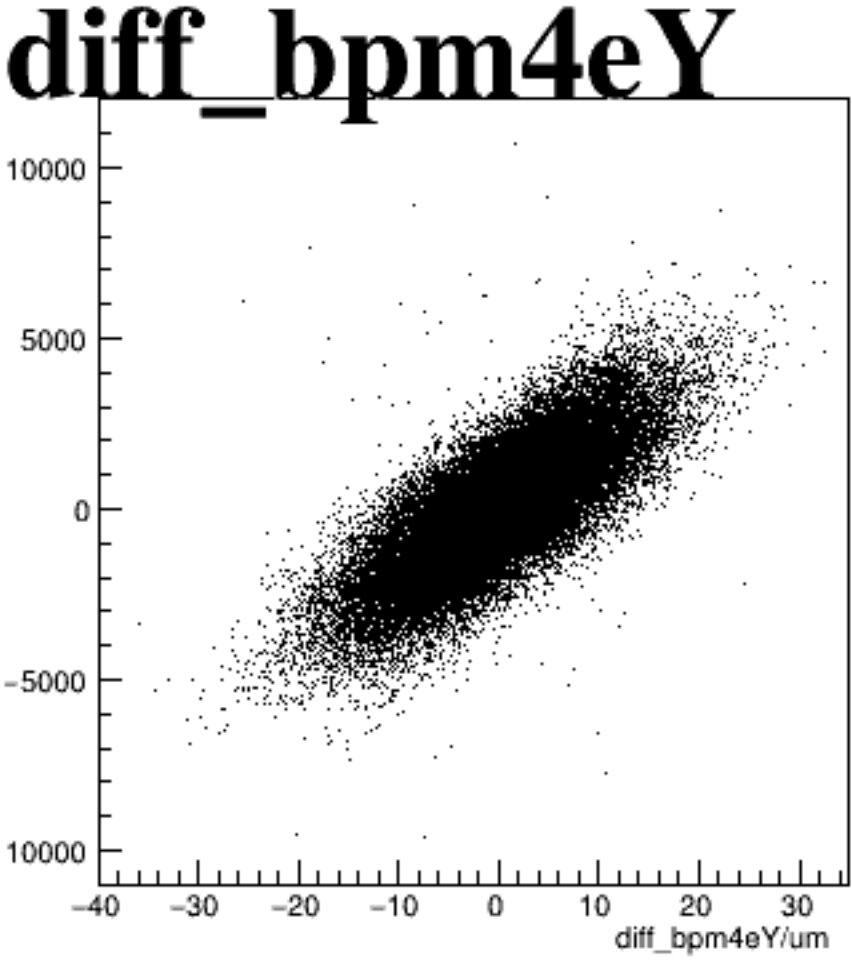
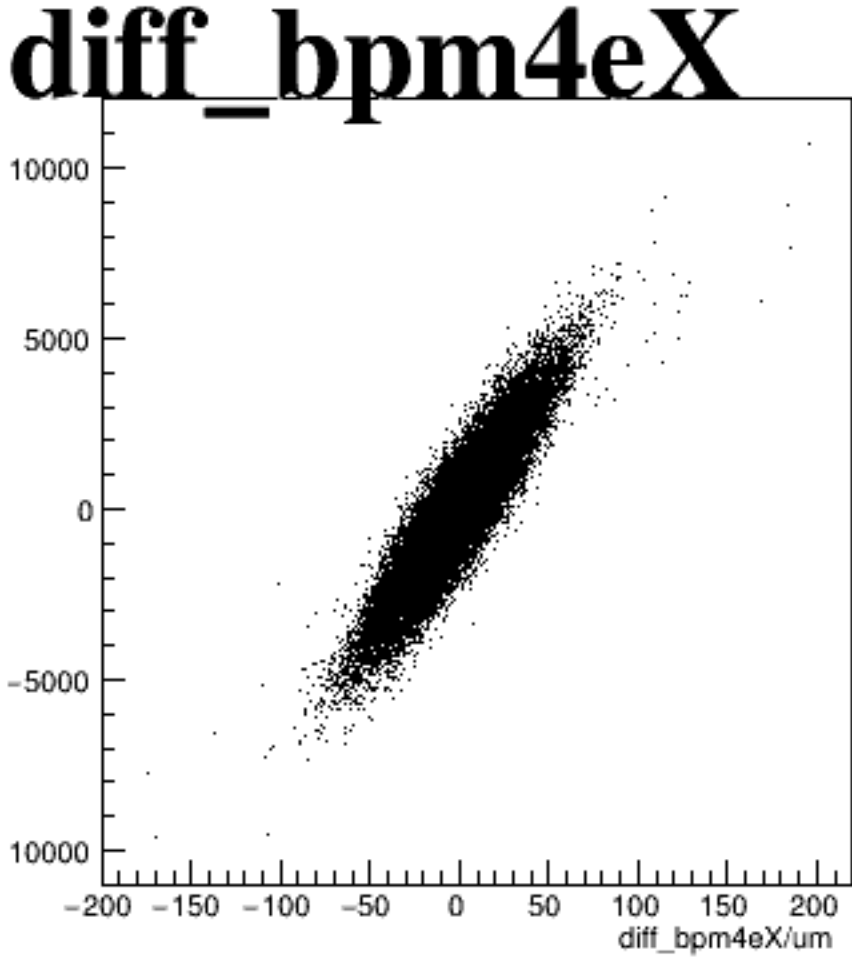
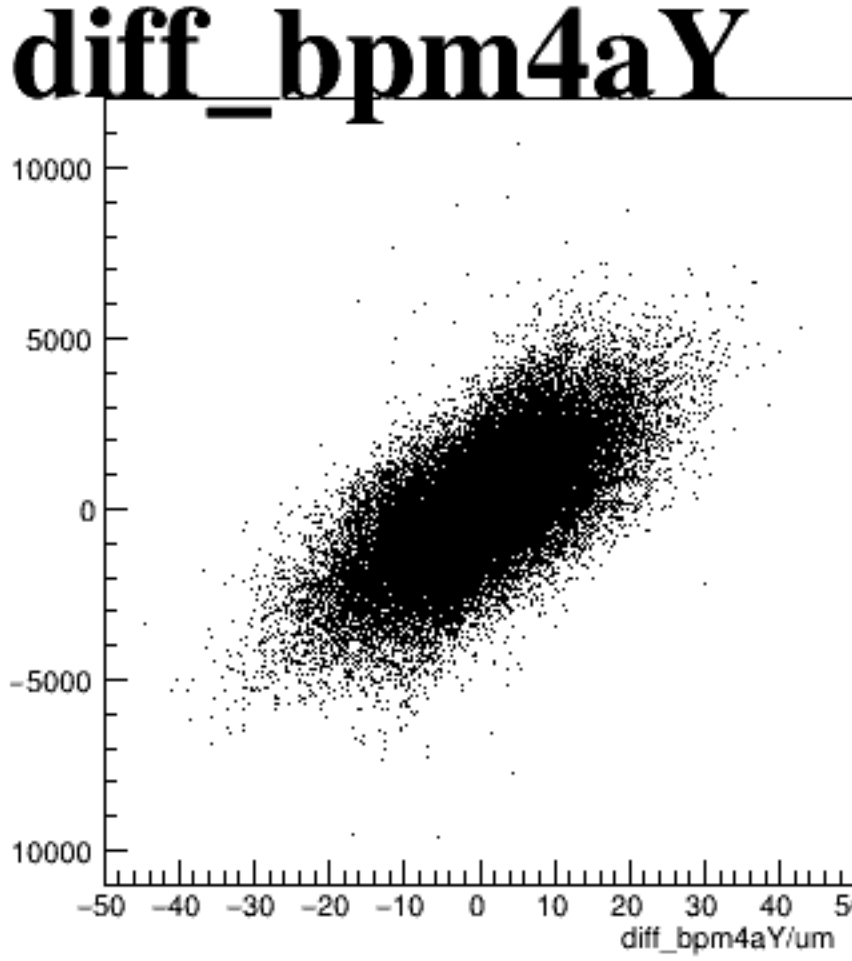
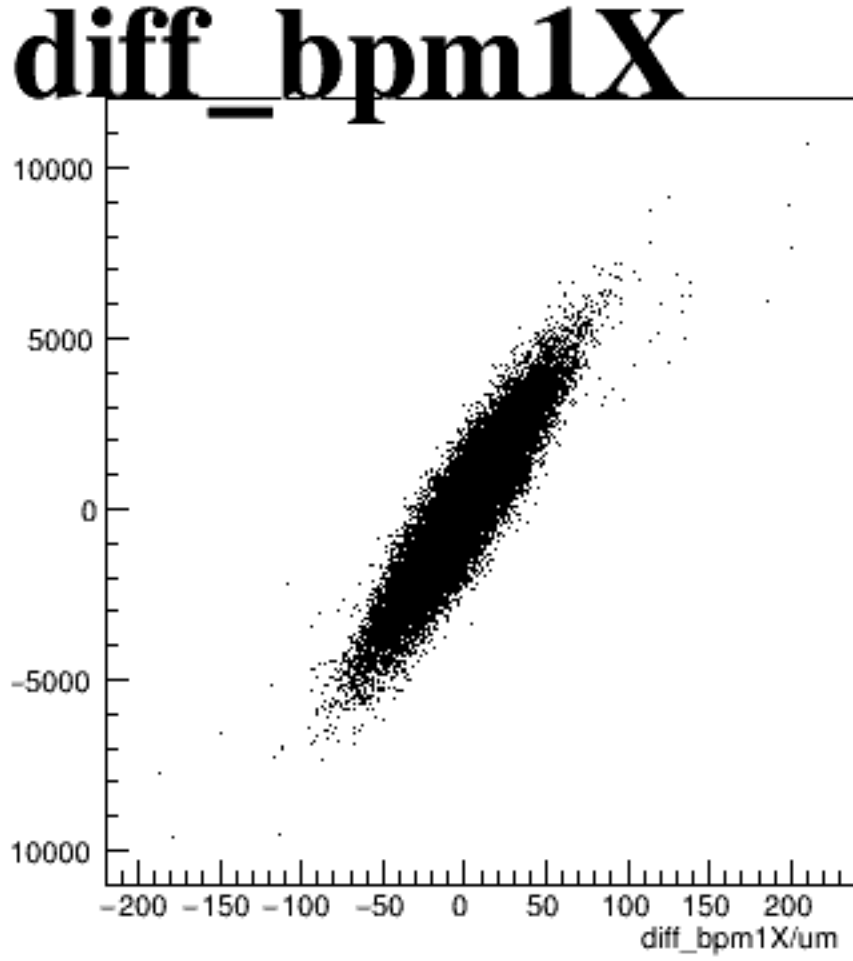
asym_sam2



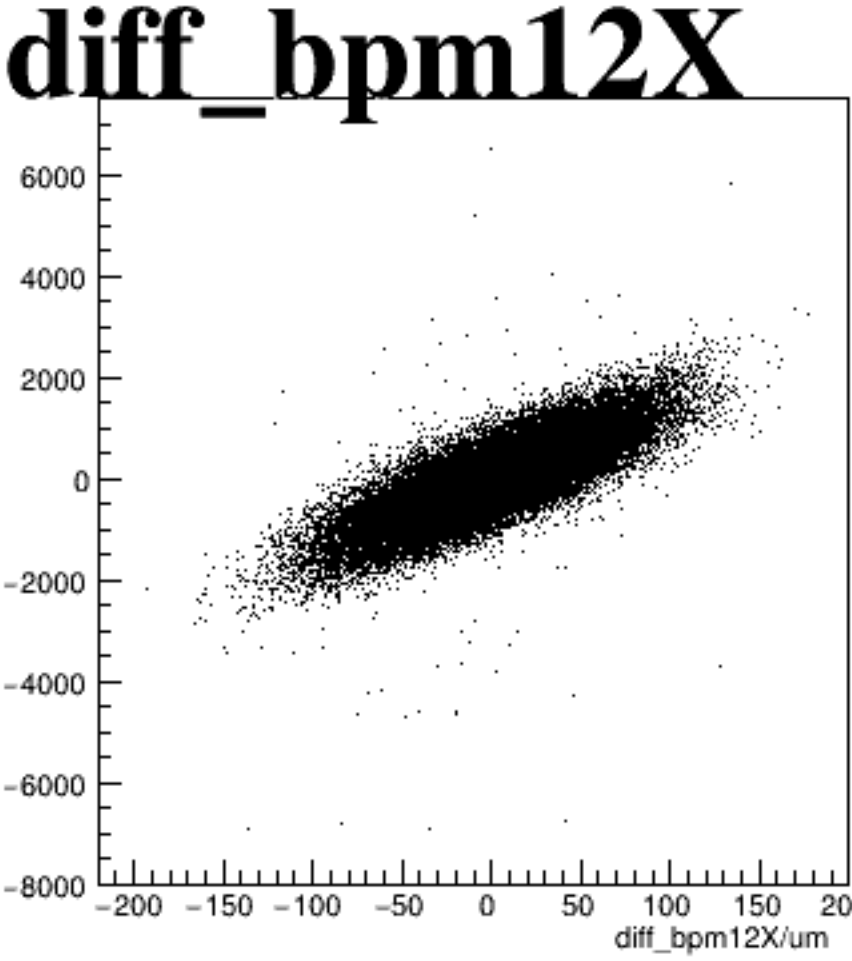
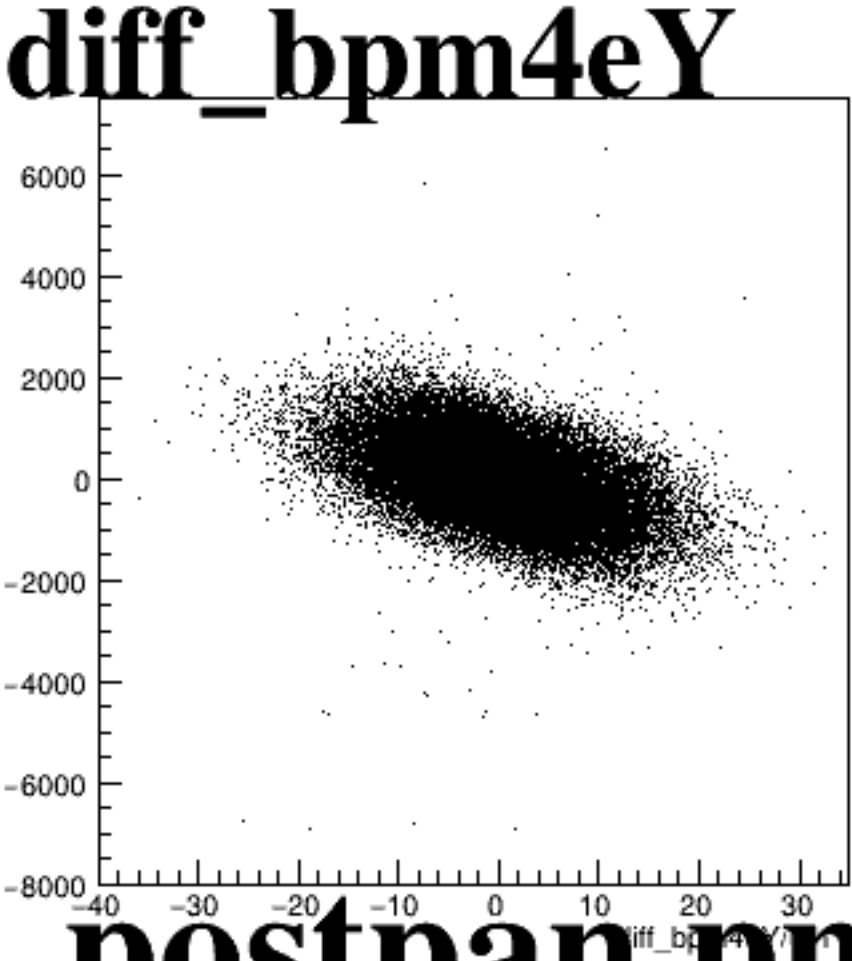
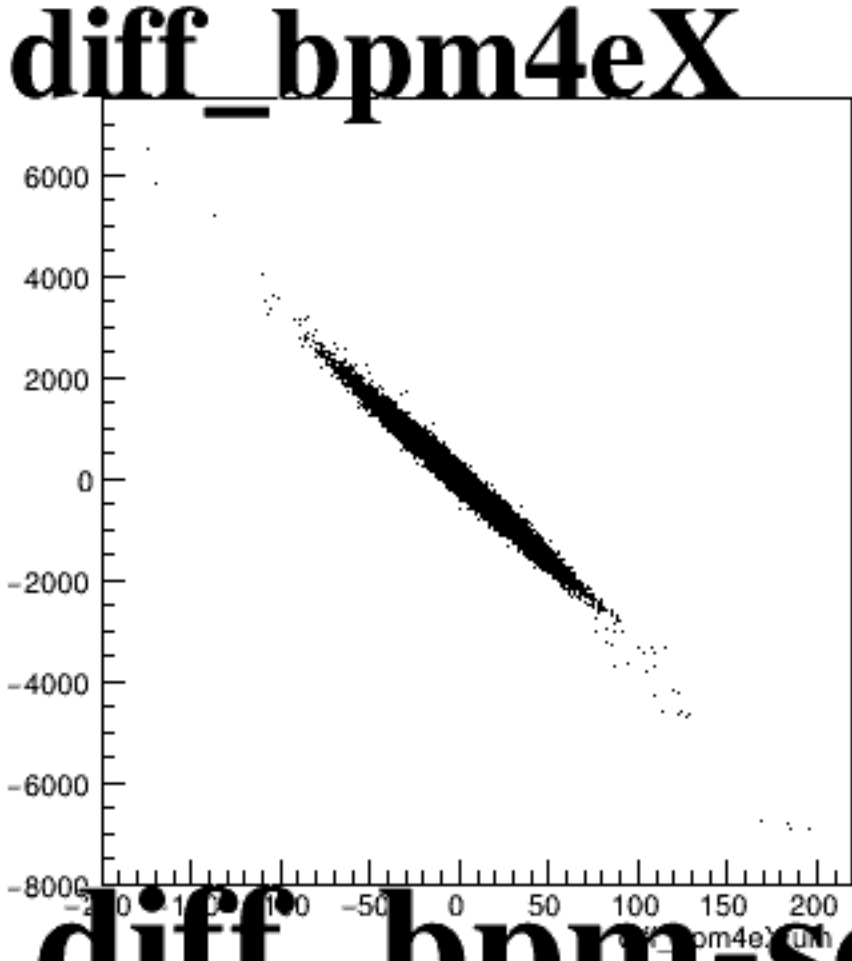
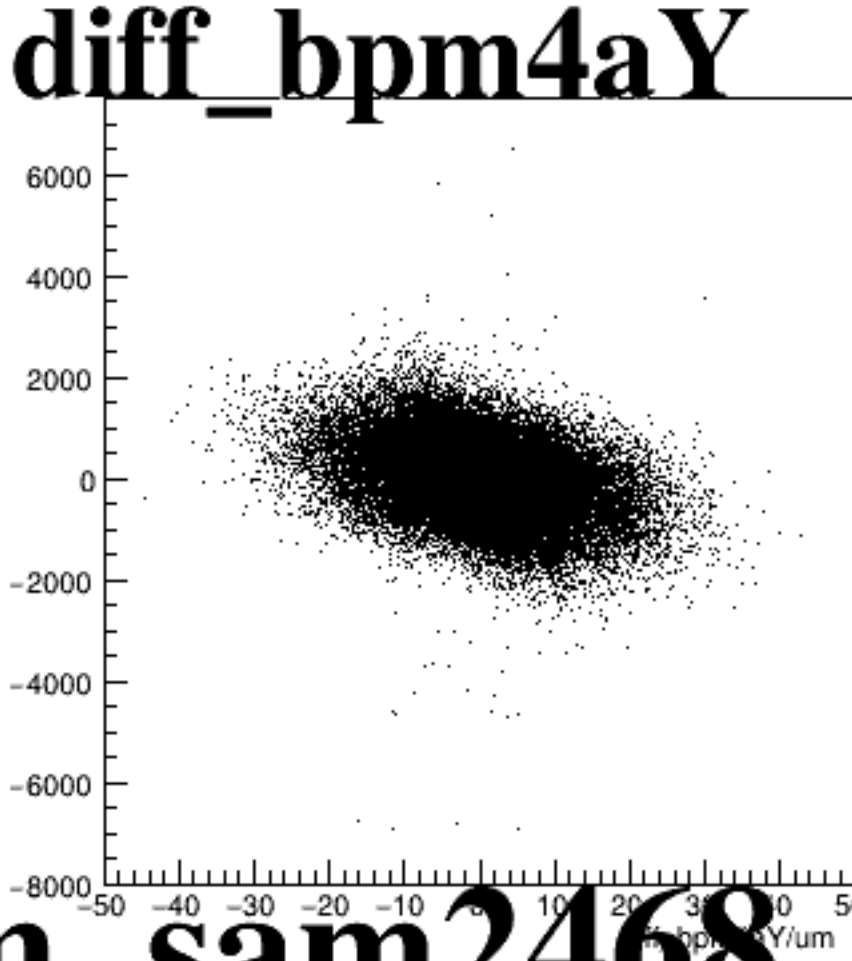
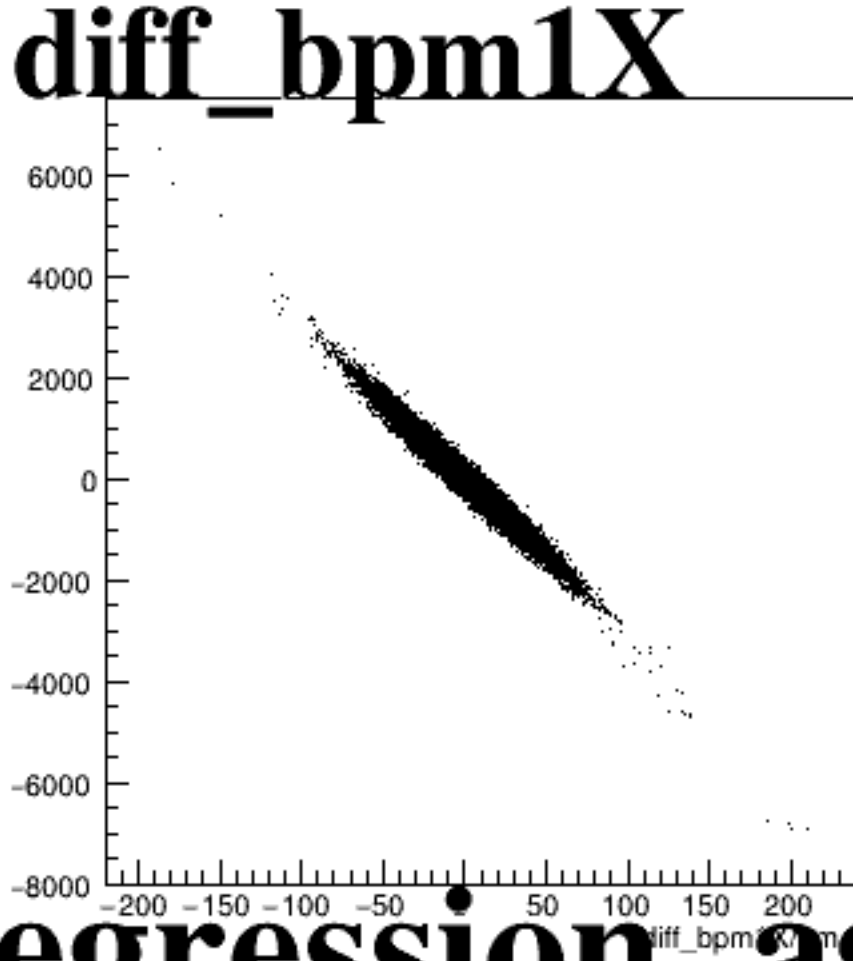
asym_sam4



asym_sam6



asym_sam8



The figure consists of five scatter plots arranged horizontally, each showing the difference in BPM measurements 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 -200 to 200. The y-axis ranges from -4000 to 4000.
- diff_bpm4aY**: The x-axis is labeled $\text{diff_bpm4aY}/\mu\text{m}$ and ranges from -50 to 50. The y-axis ranges from -4000 to 4000.
- diff_bpm4eX**: The x-axis is labeled $\text{diff_bpm4eX}/\mu\text{m}$ and ranges from -200 to 200. The y-axis ranges from -4000 to 4000.
- diff_bpm4eY**: The x-axis is labeled $\text{diff_bpm4eY}/\mu\text{m}$ and ranges from -40 to 30. The y-axis ranges from -4000 to 4000.
- diff_bpm12X**: The x-axis is labeled $\text{diff_bpm12X}/\mu\text{m}$ and ranges from -200 to 200. The y-axis ranges from -4000 to 4000.

Each plot displays a dense, roughly elliptical cloud of points centered at the origin (0,0), indicating that the difference in BPM measurements is generally small and centered around zero for the given parameter.

diff_bpm1X

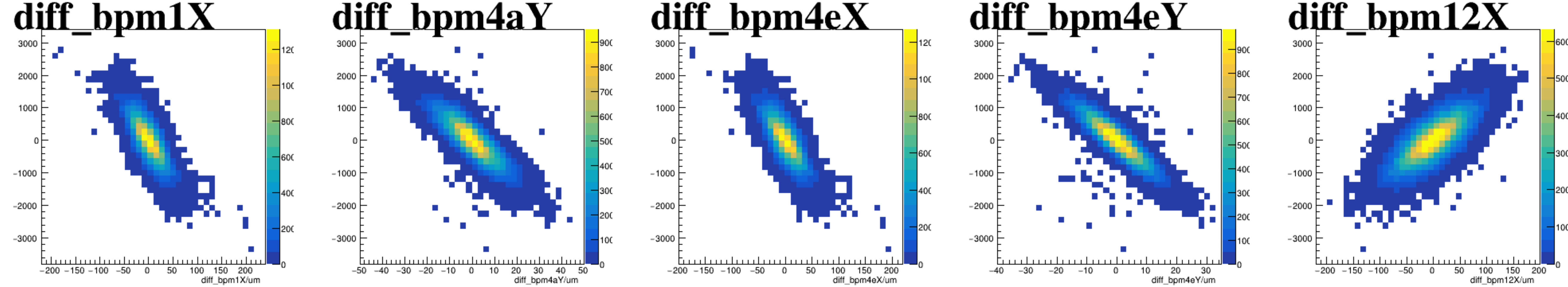
diff_bpm4aY

diff_bpm4eX

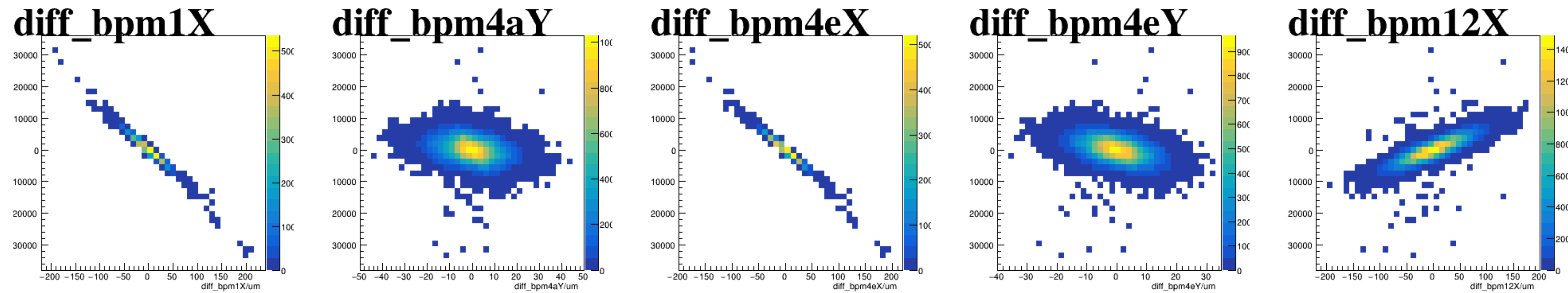
diff_bpm4eY

diff_bpm12X

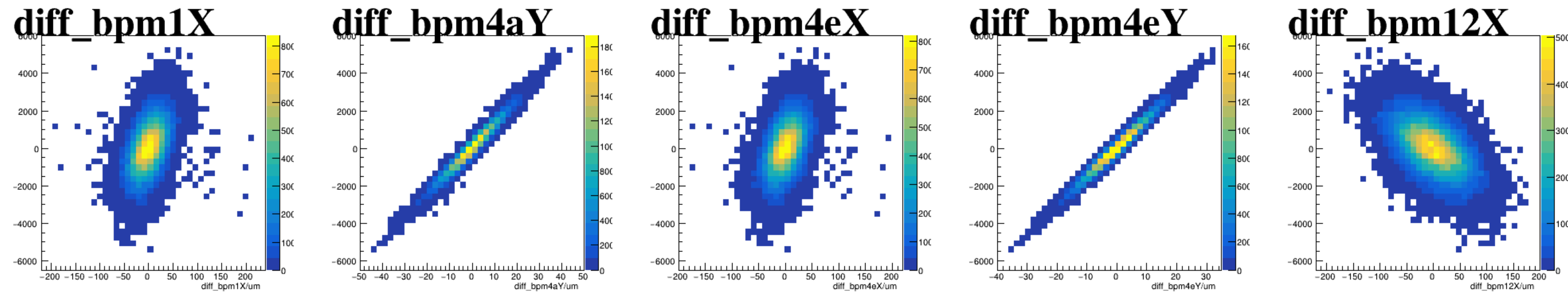
asym_sam1



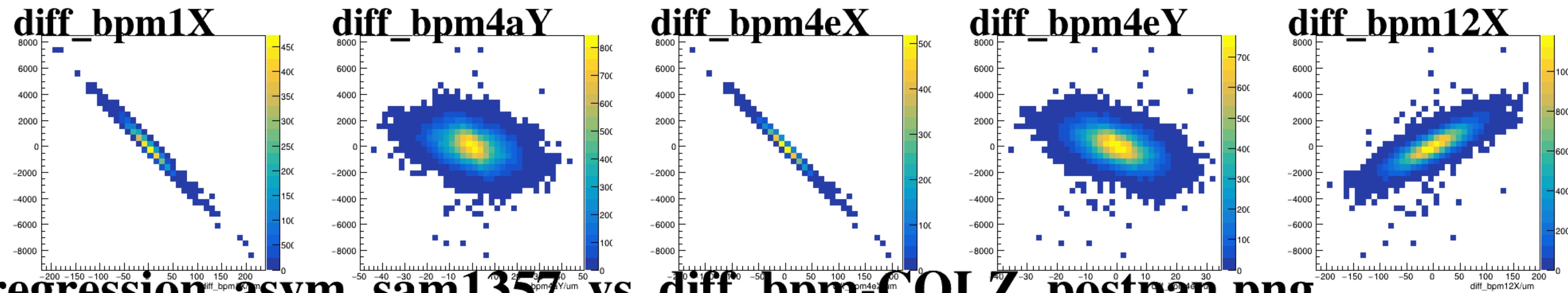
asym_sam3



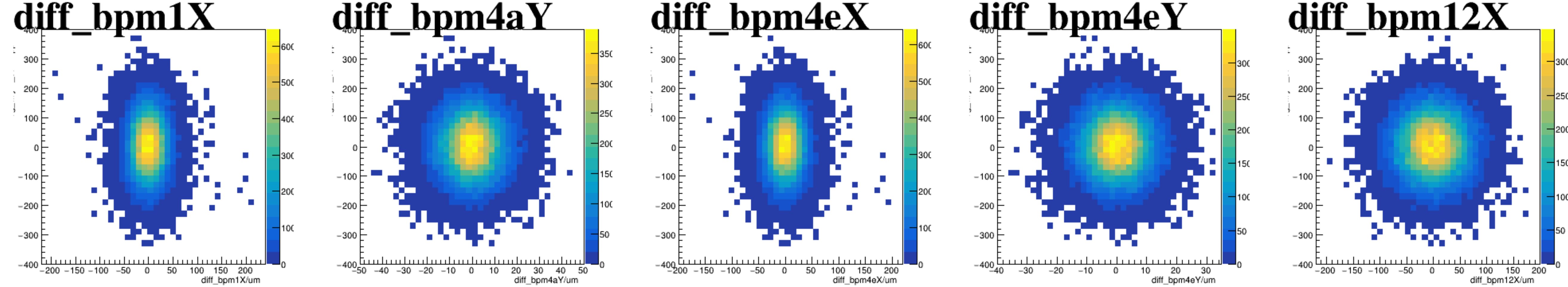
asym_sam5



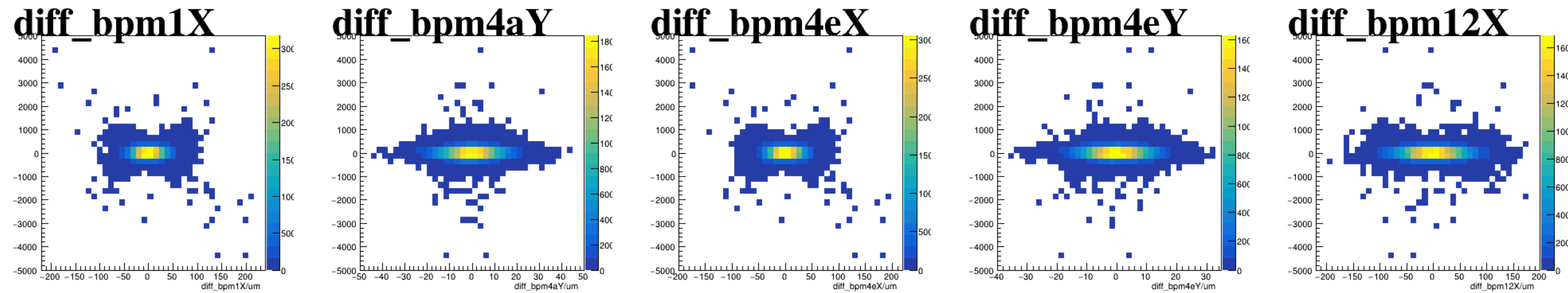
asym_sam7



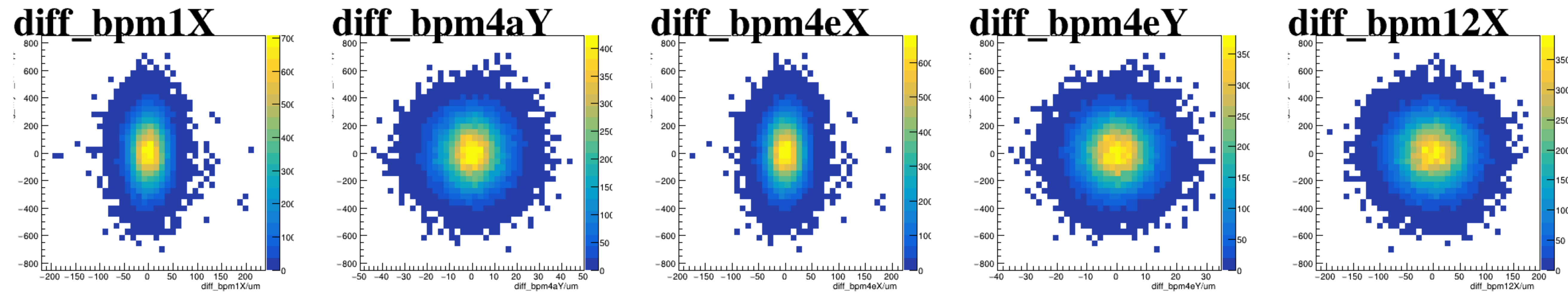
reg_asym_sam1



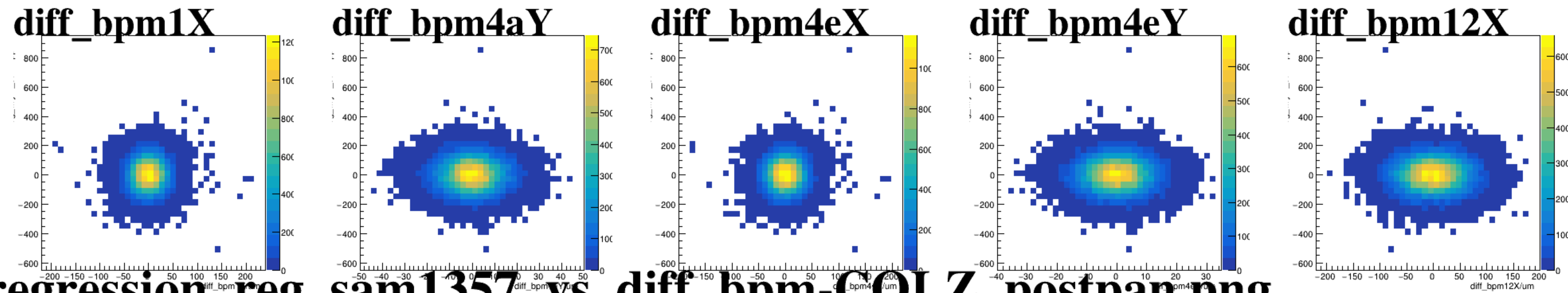
reg_asym_sam3



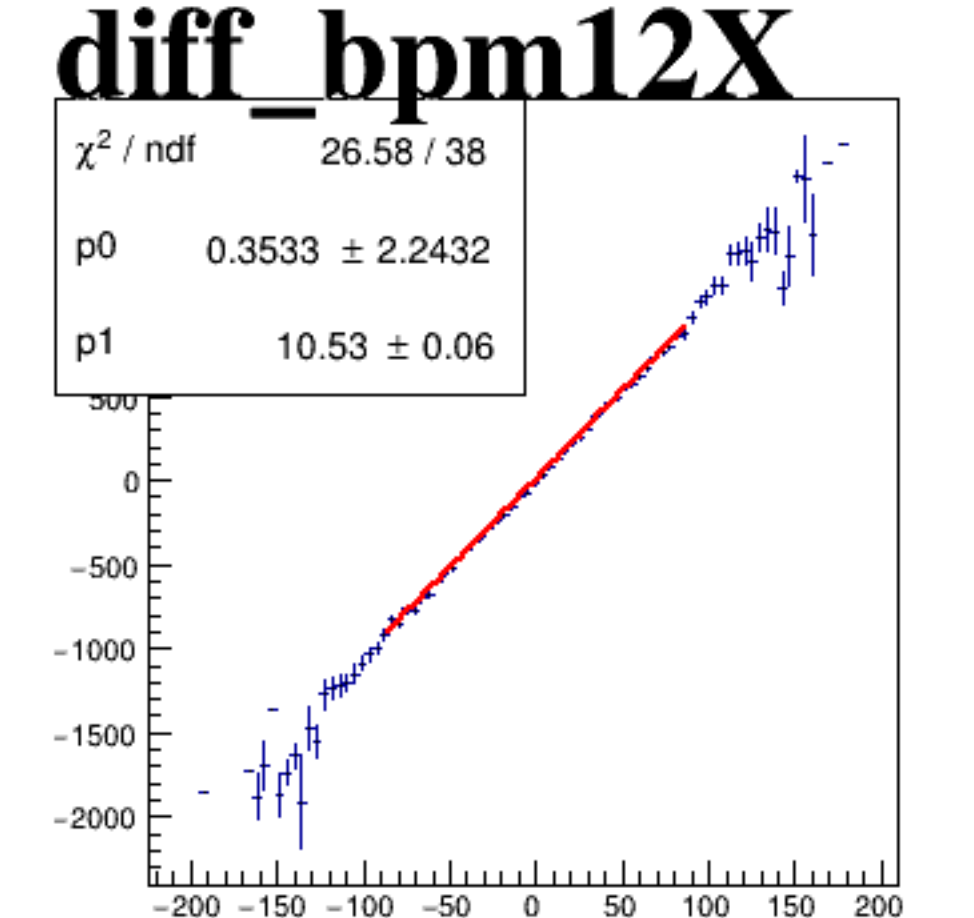
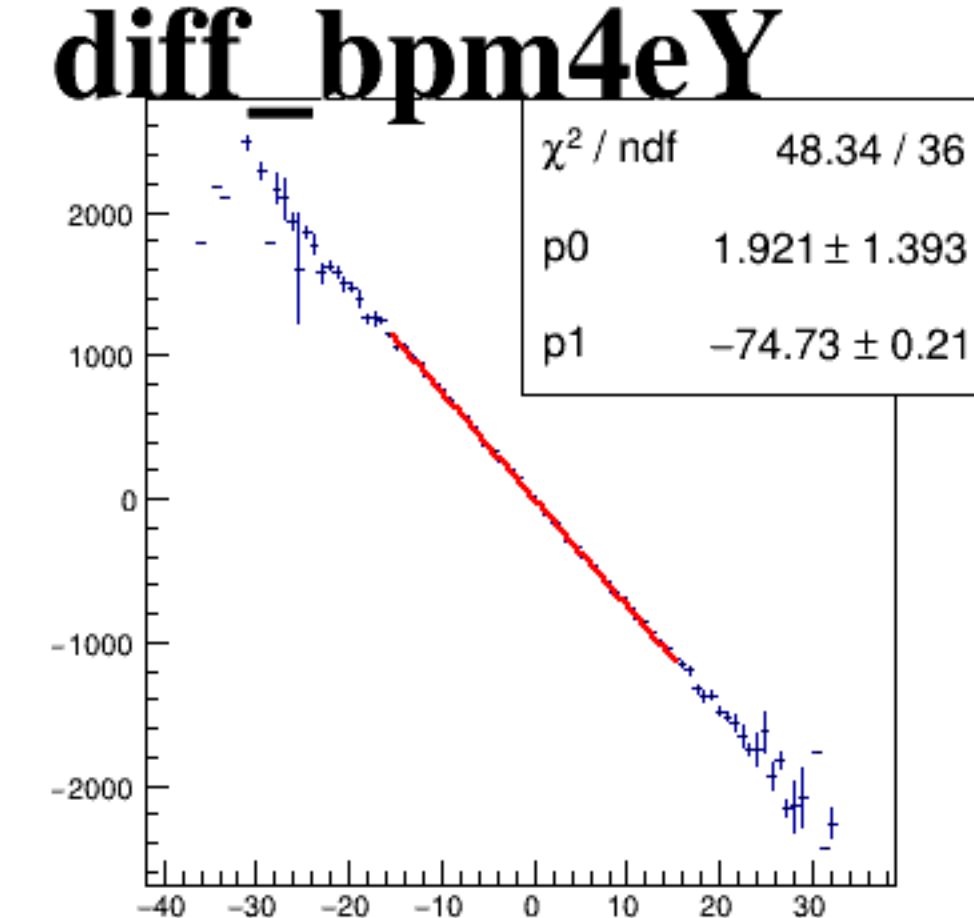
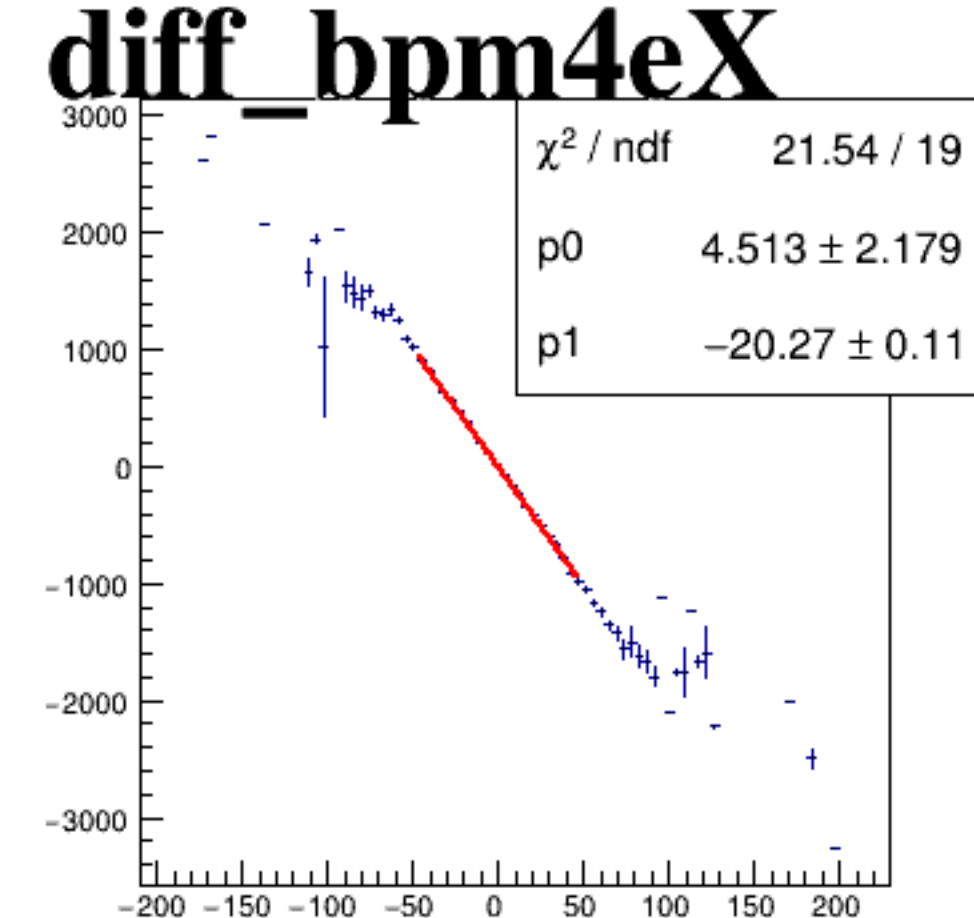
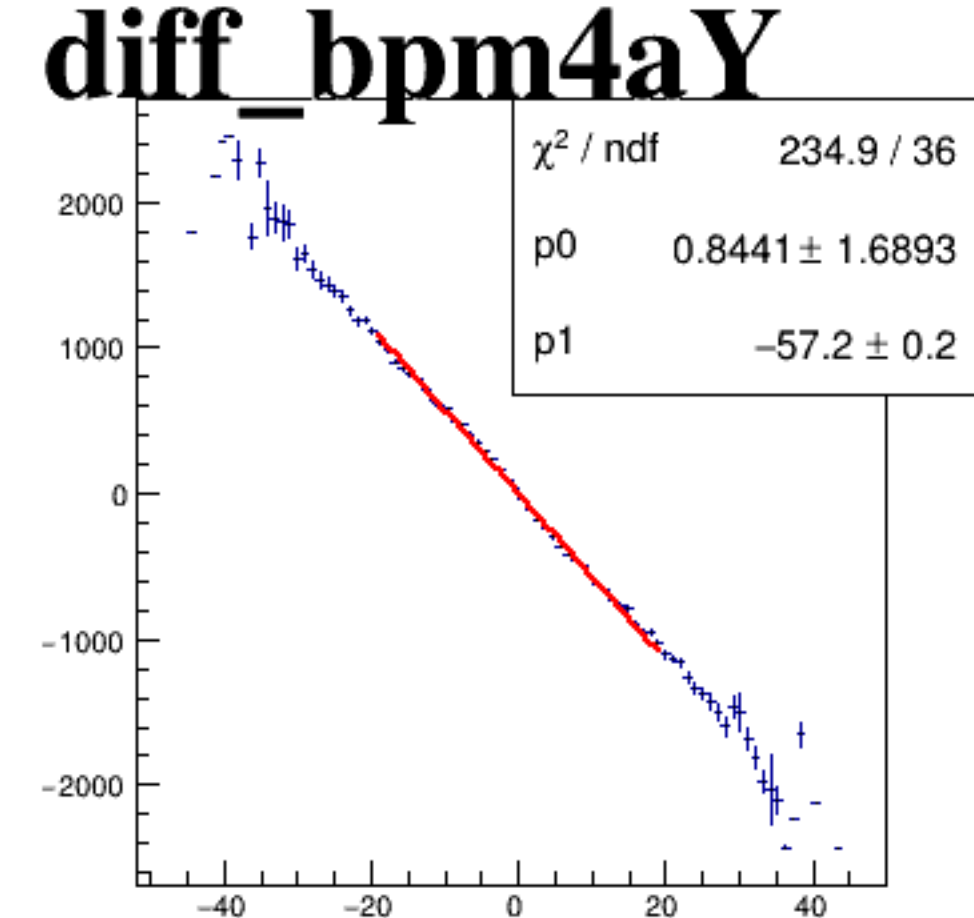
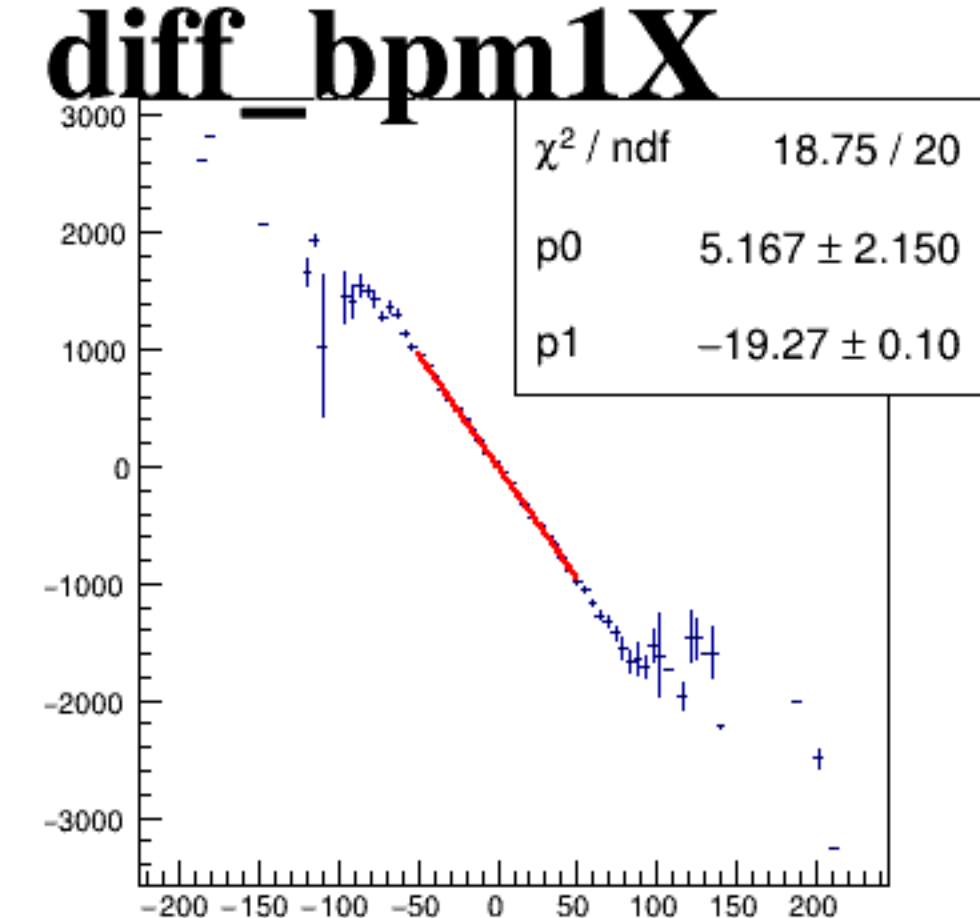
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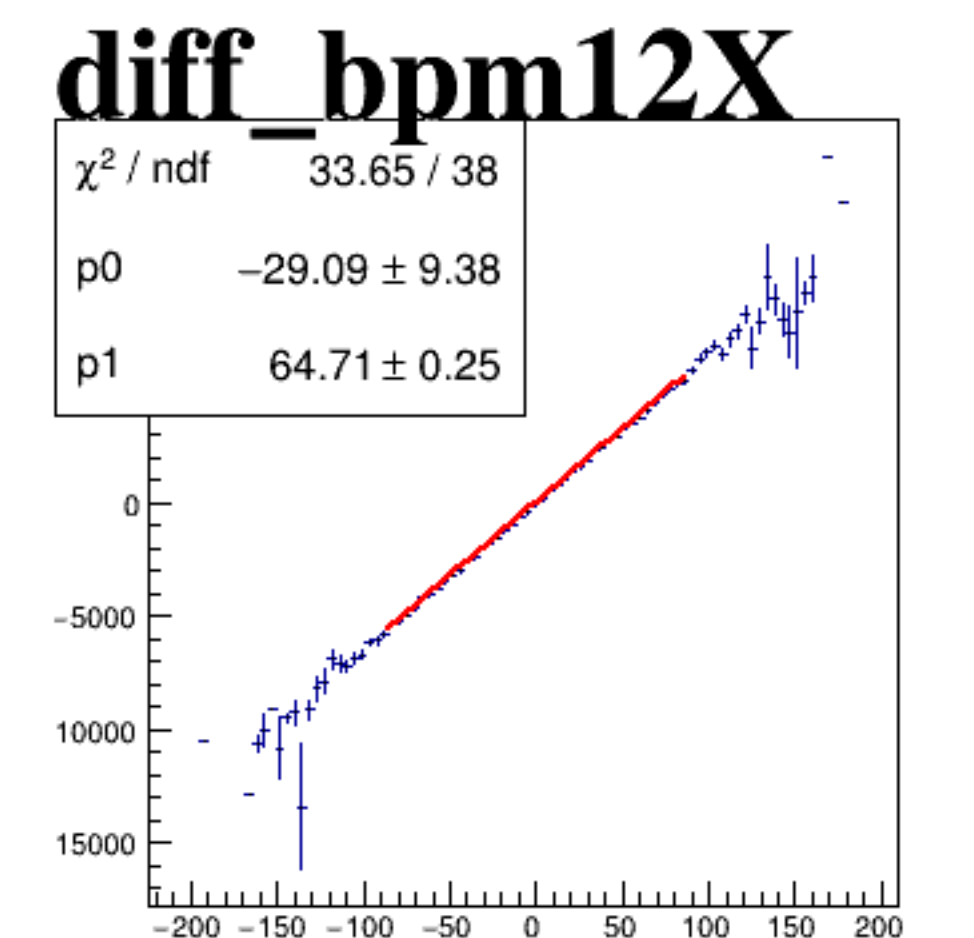
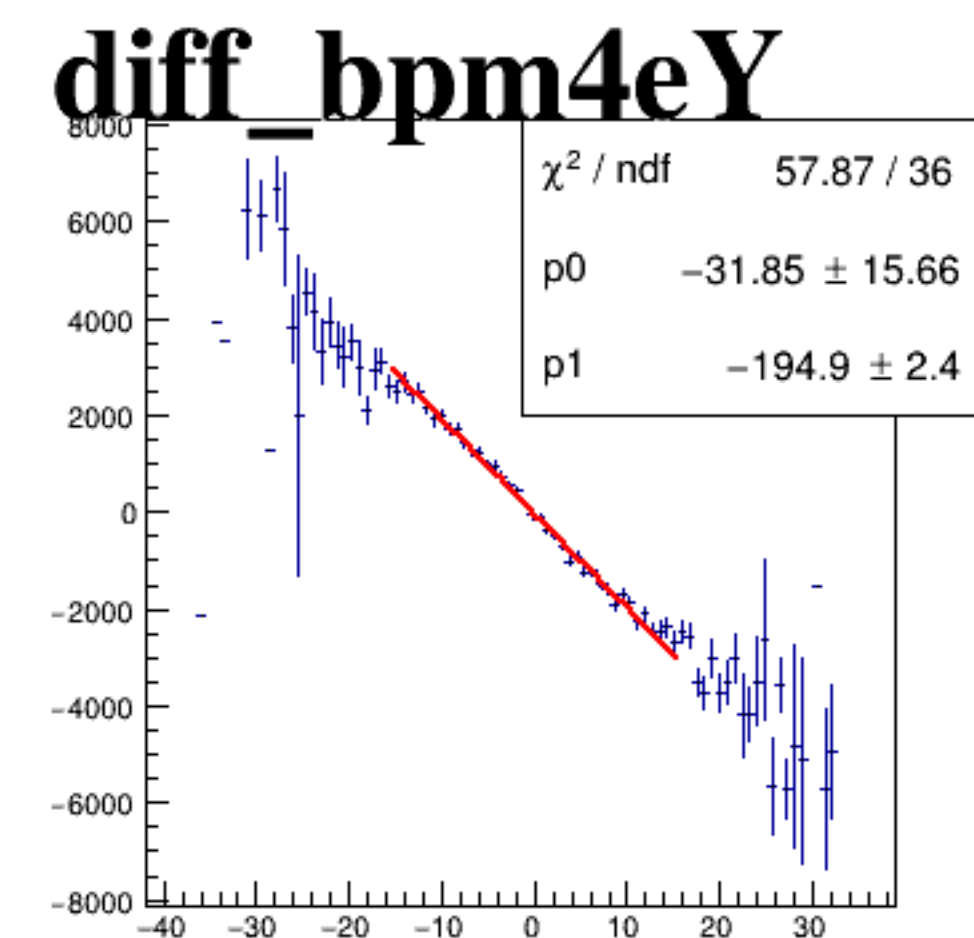
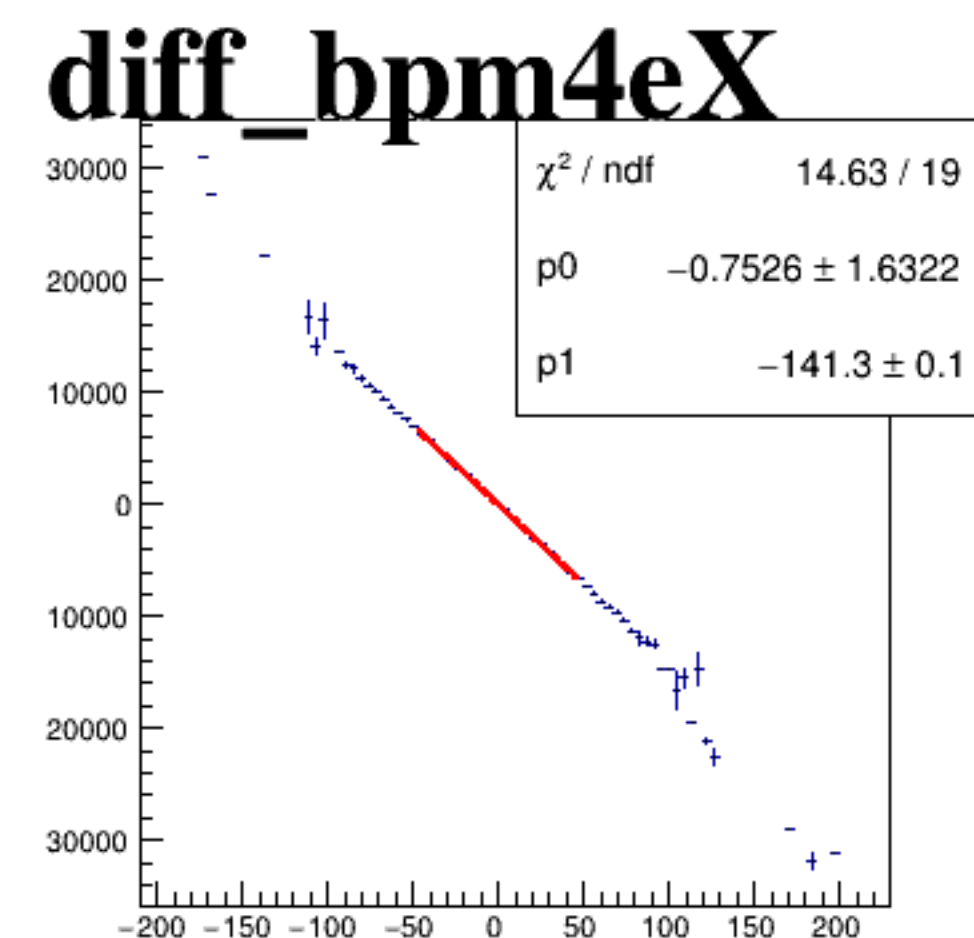
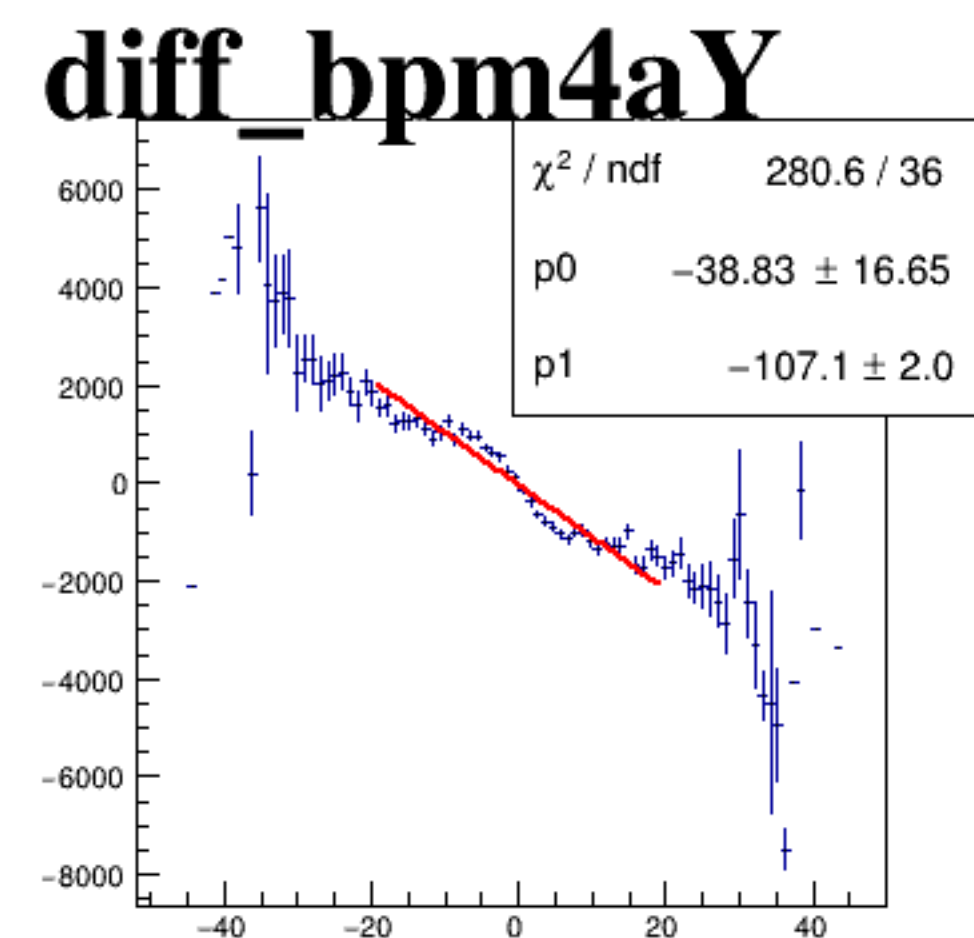
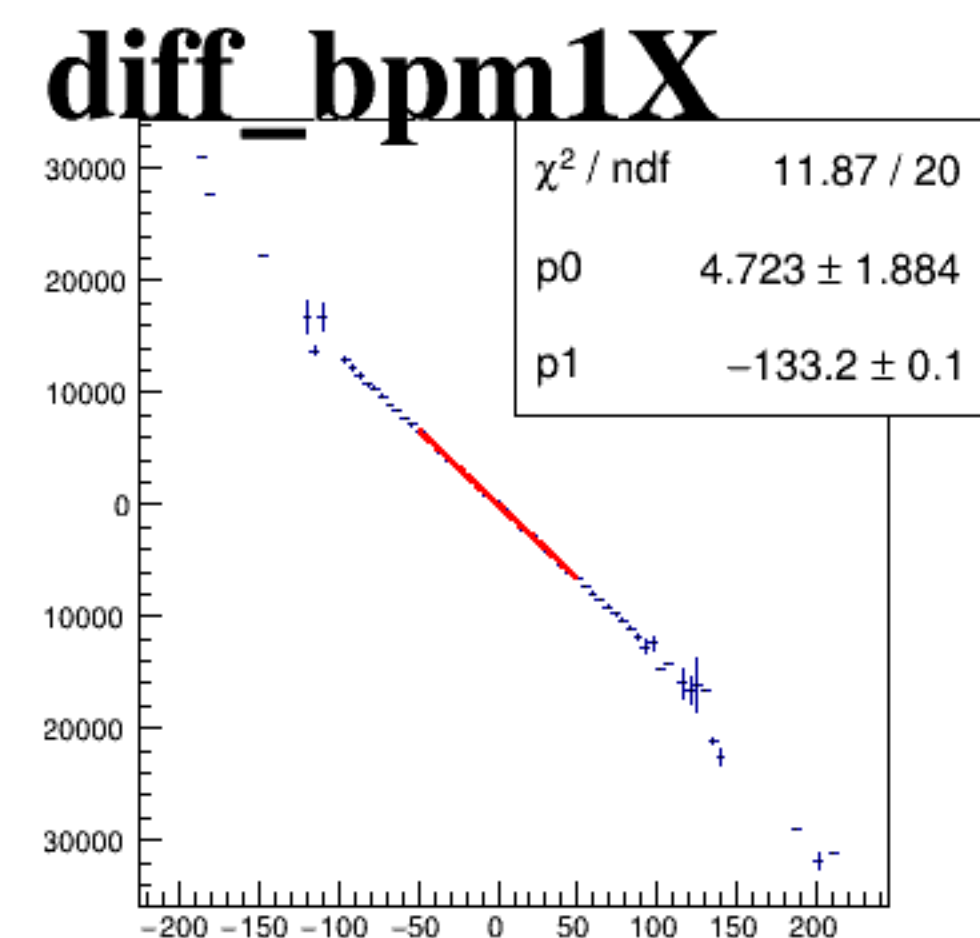
reg_asym_sam7



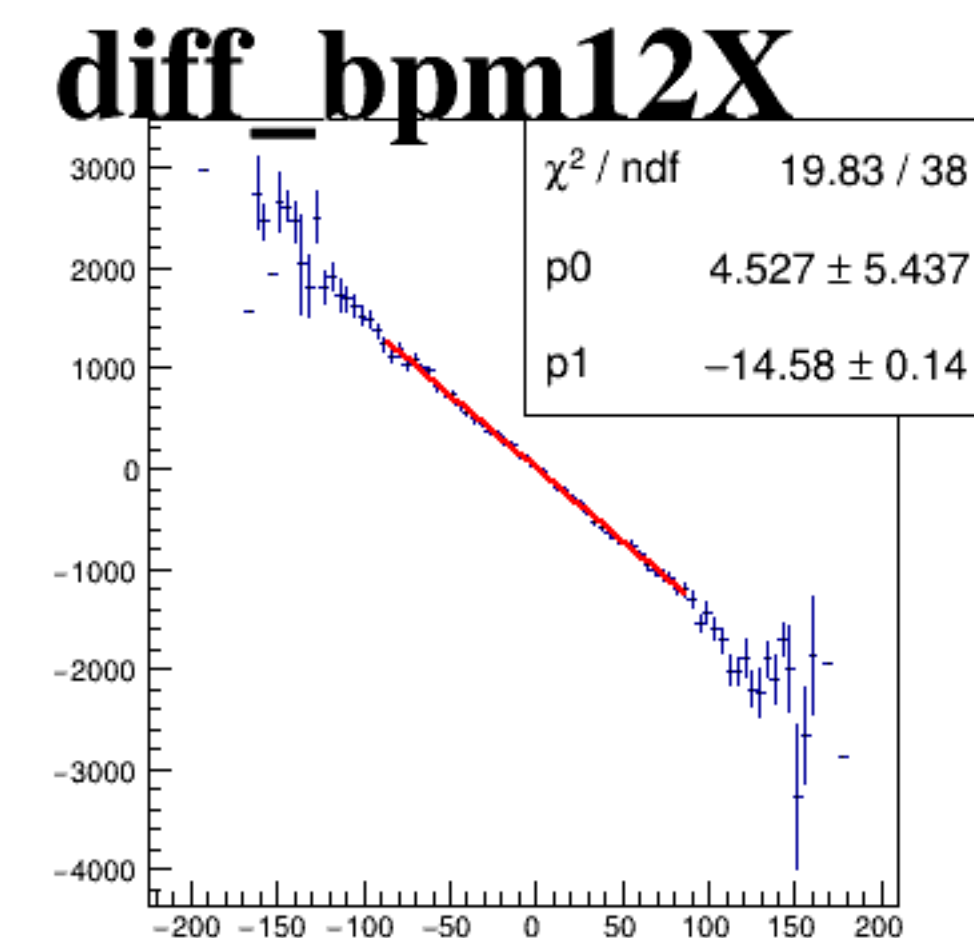
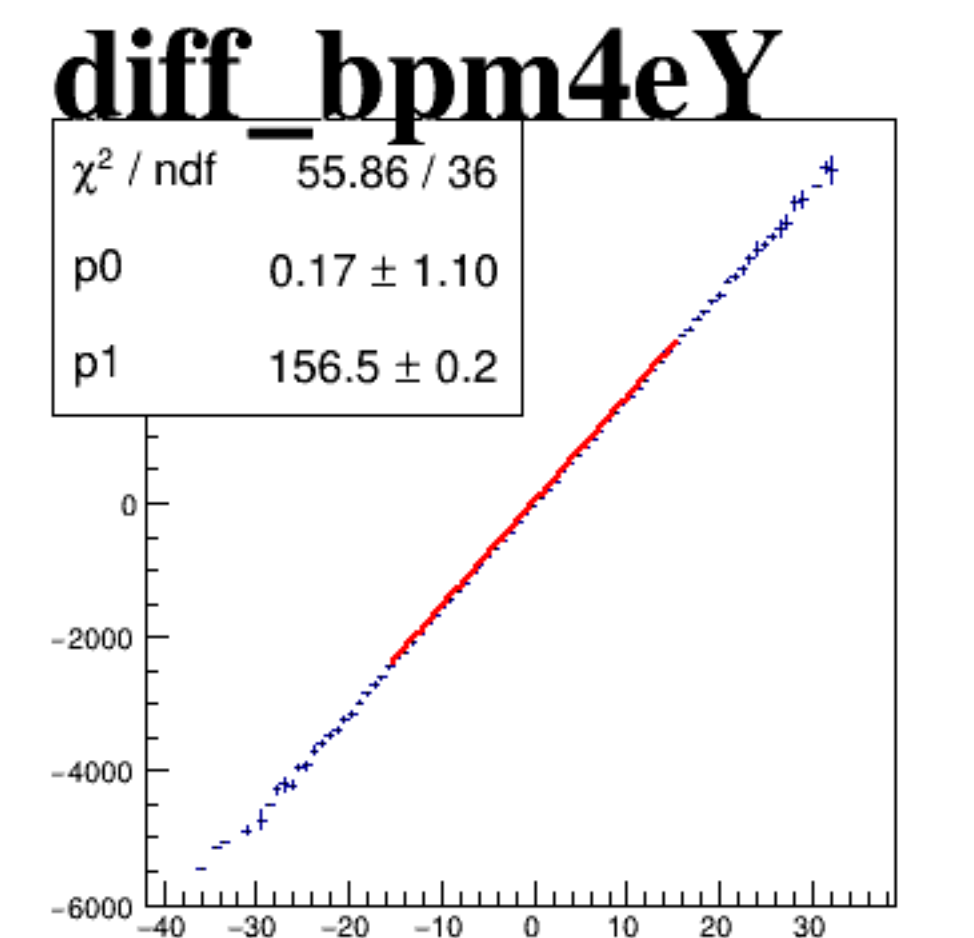
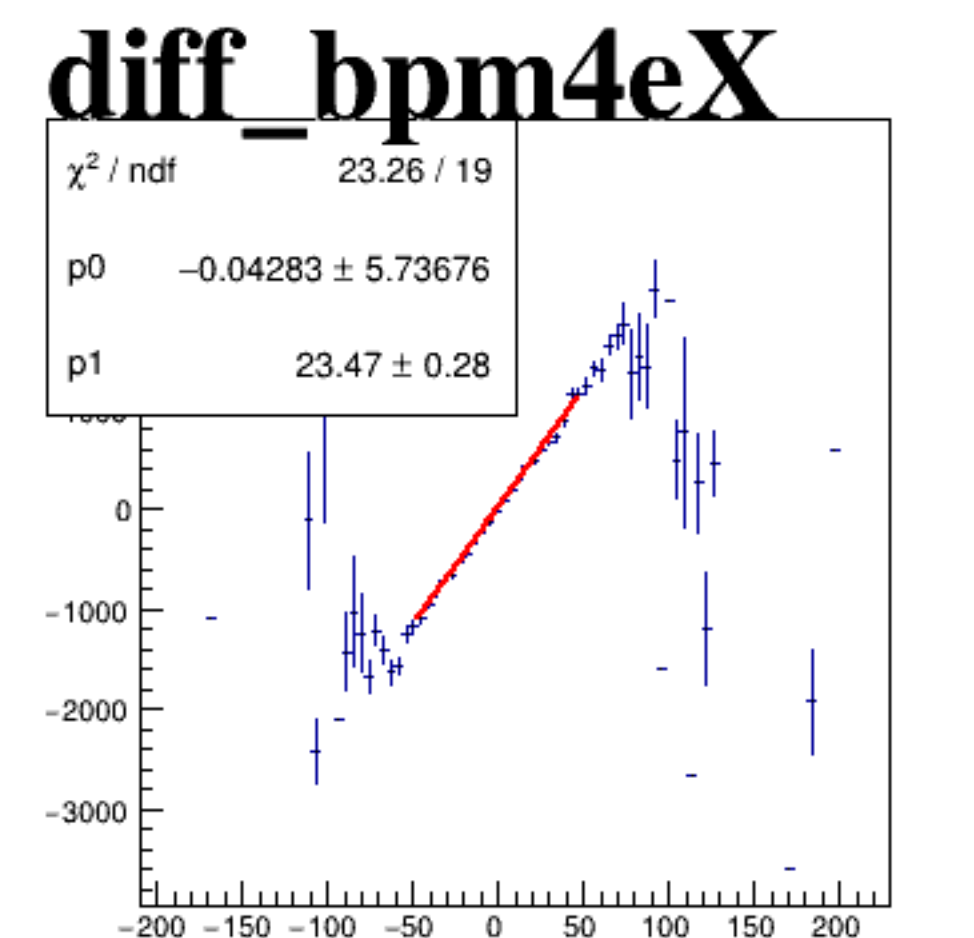
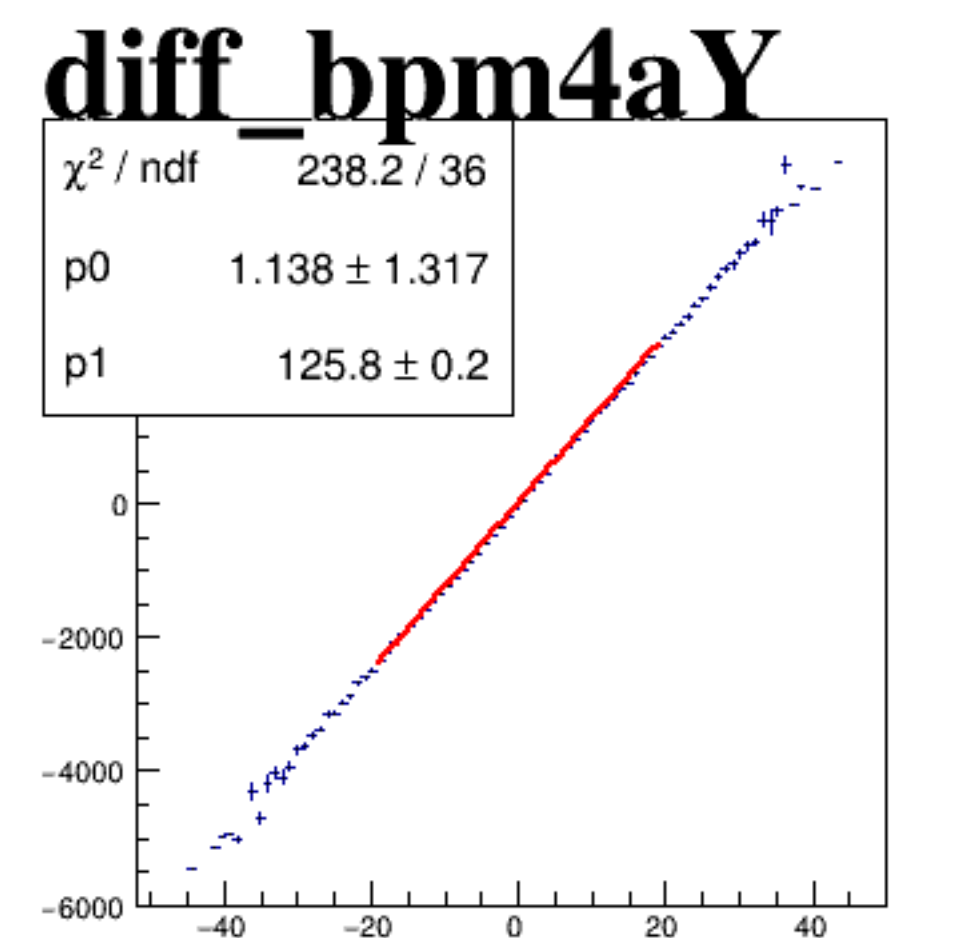
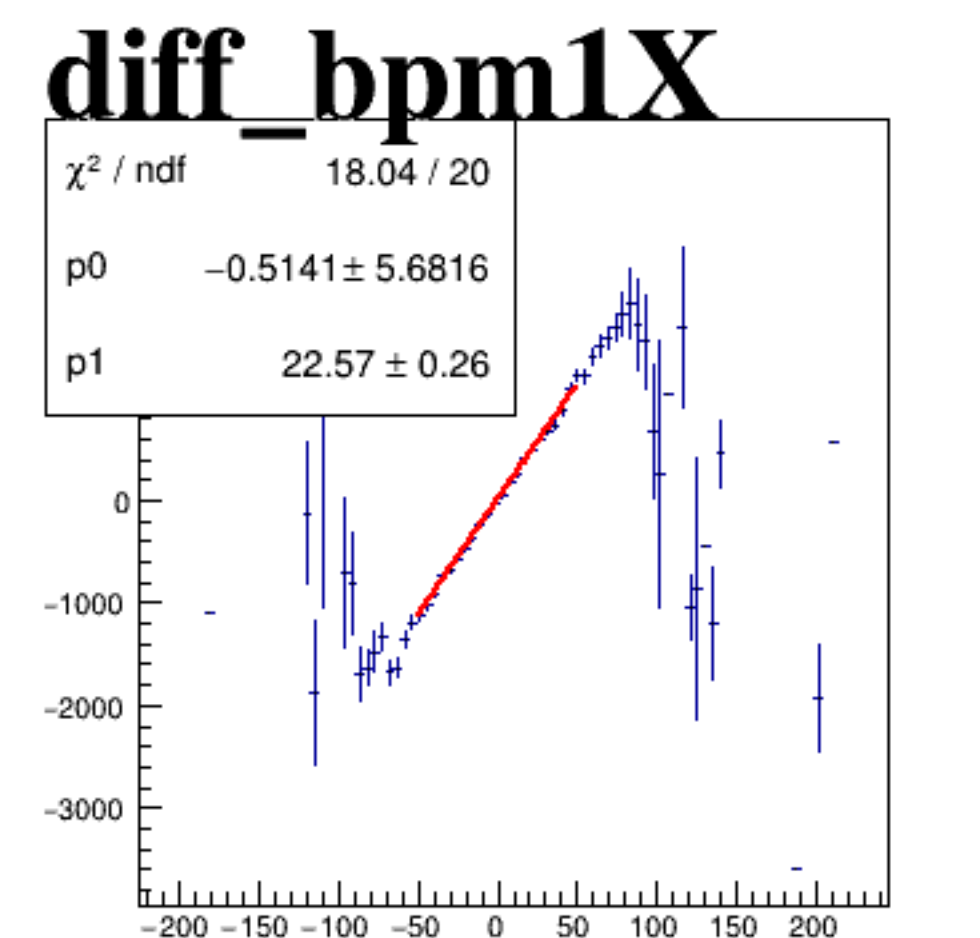
asym_sam1



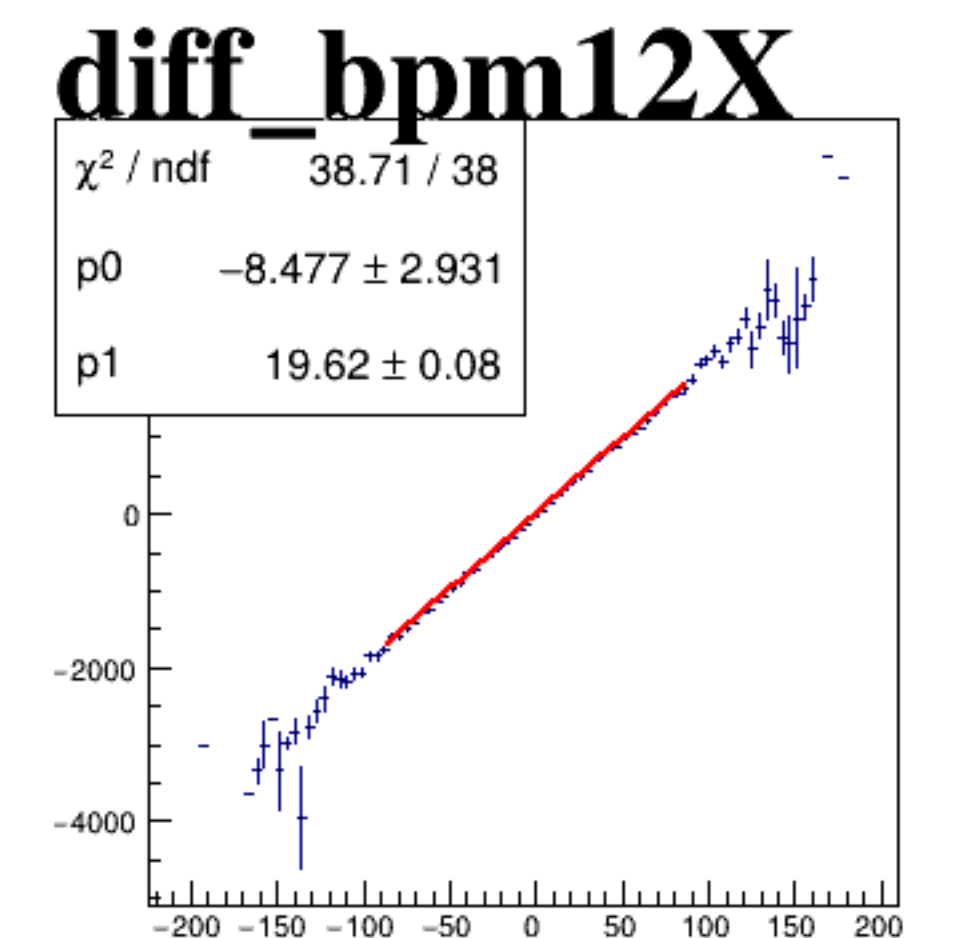
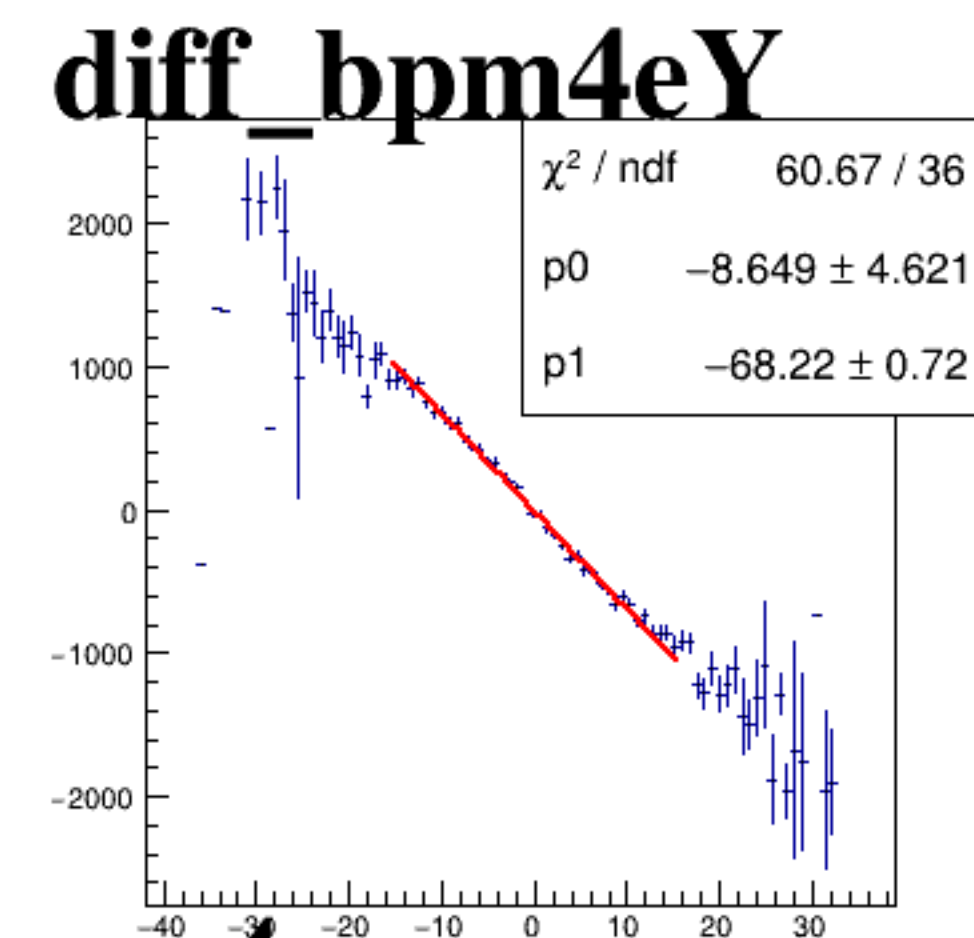
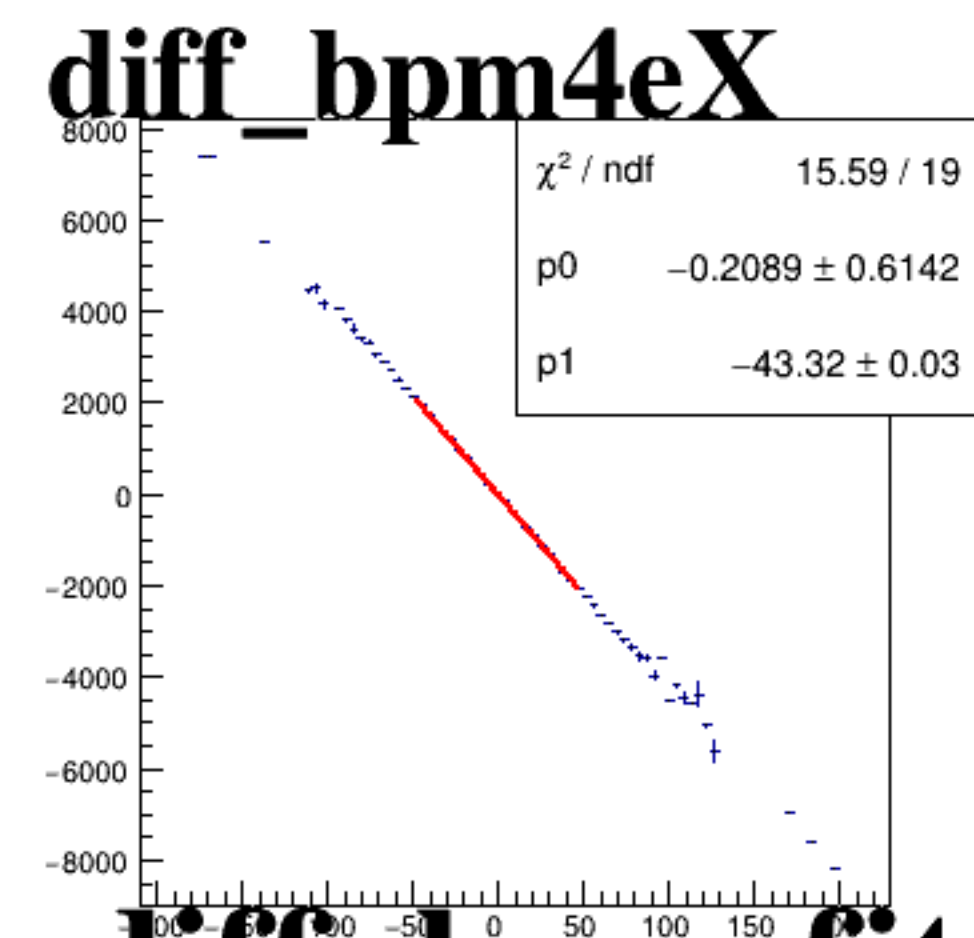
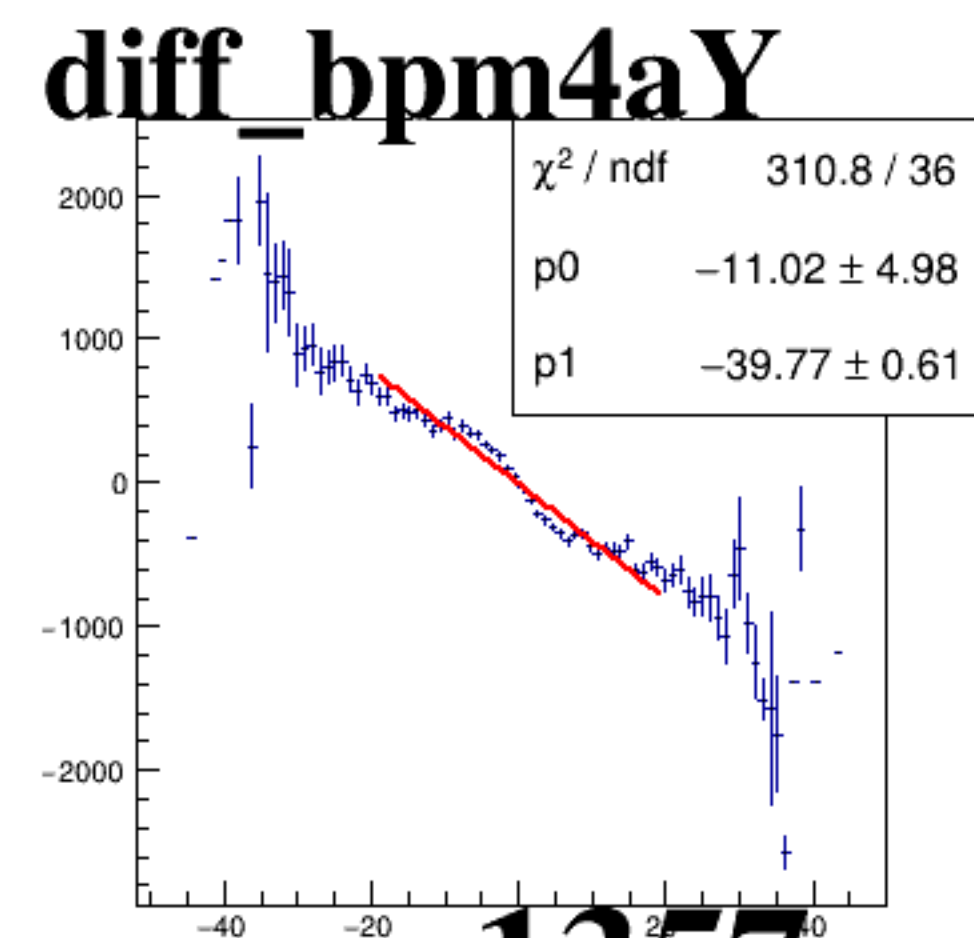
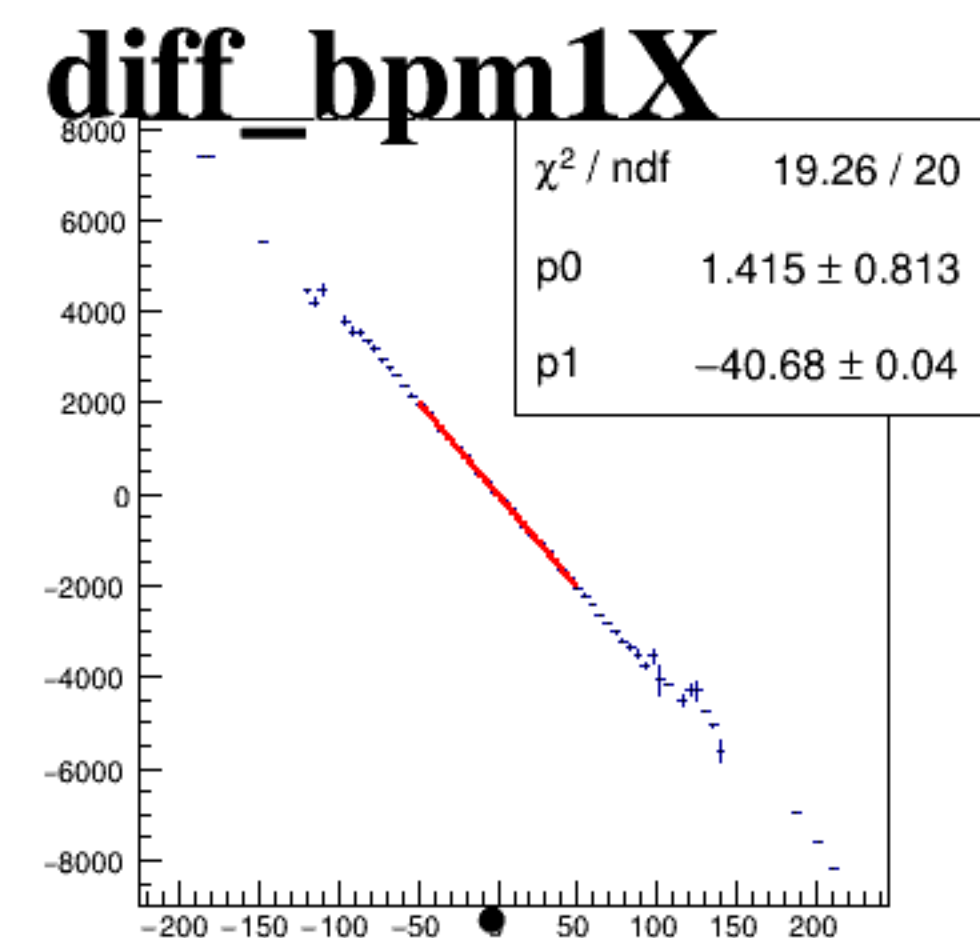
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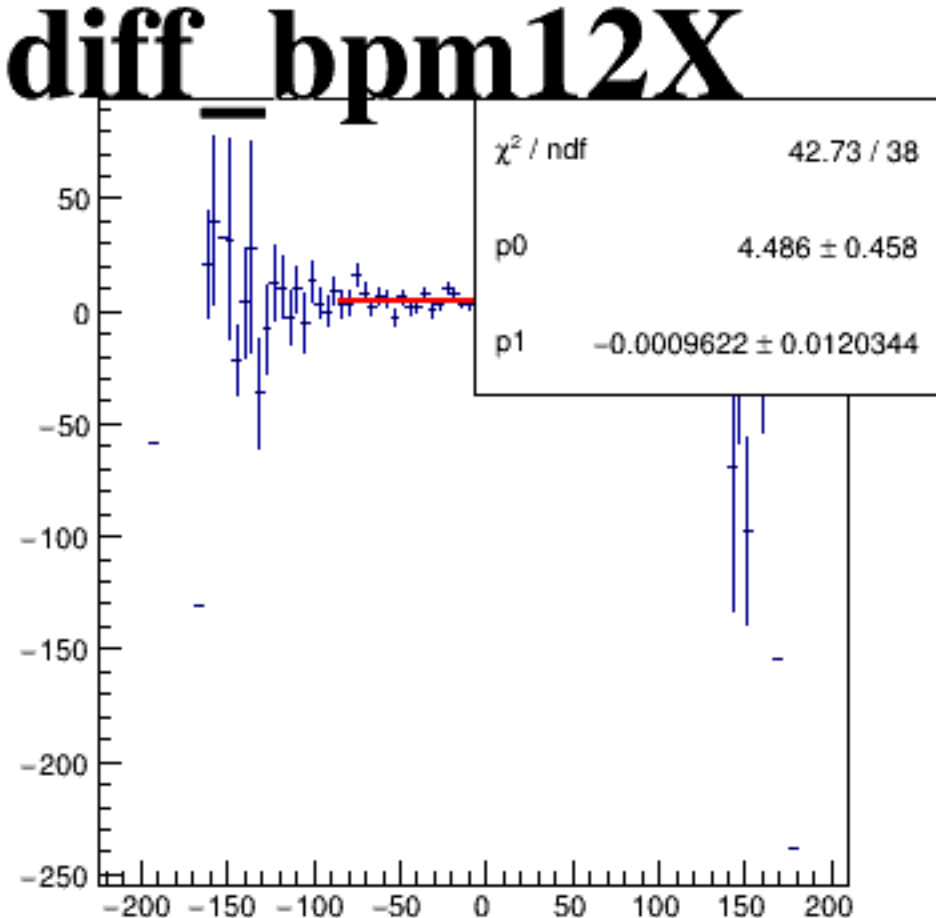
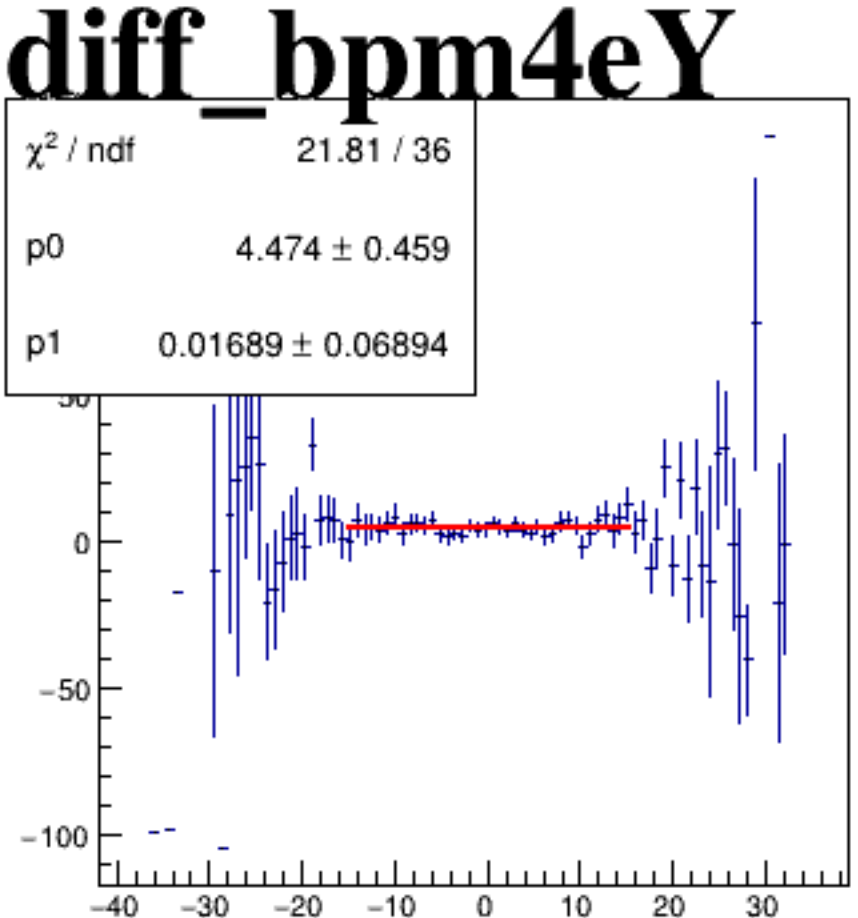
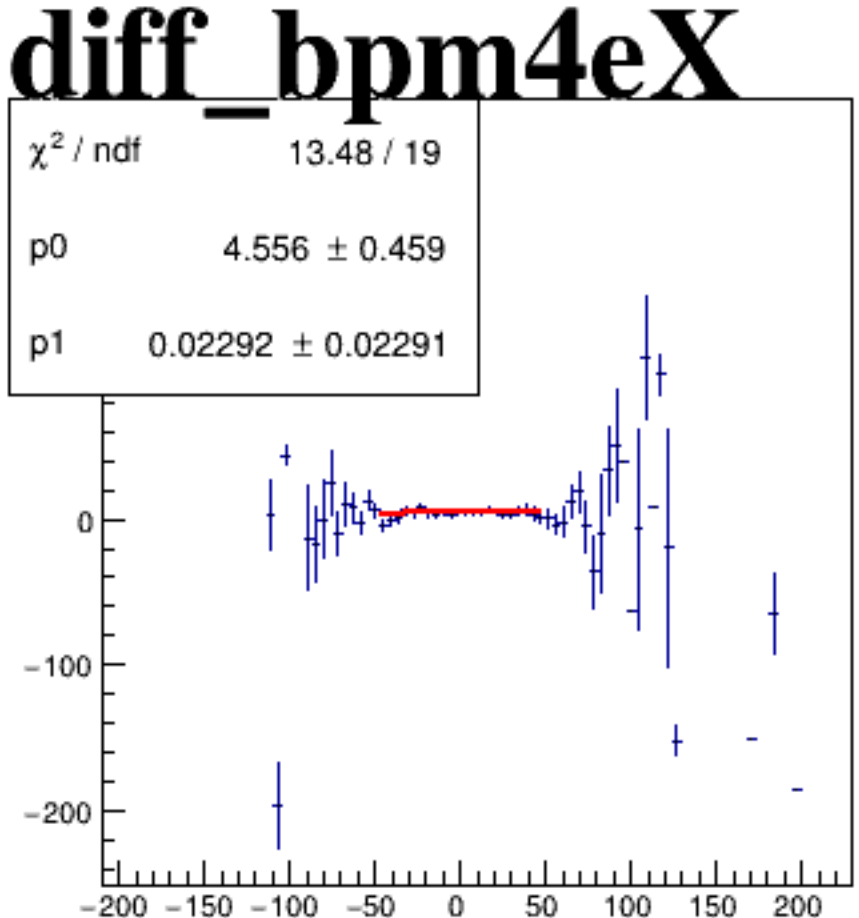
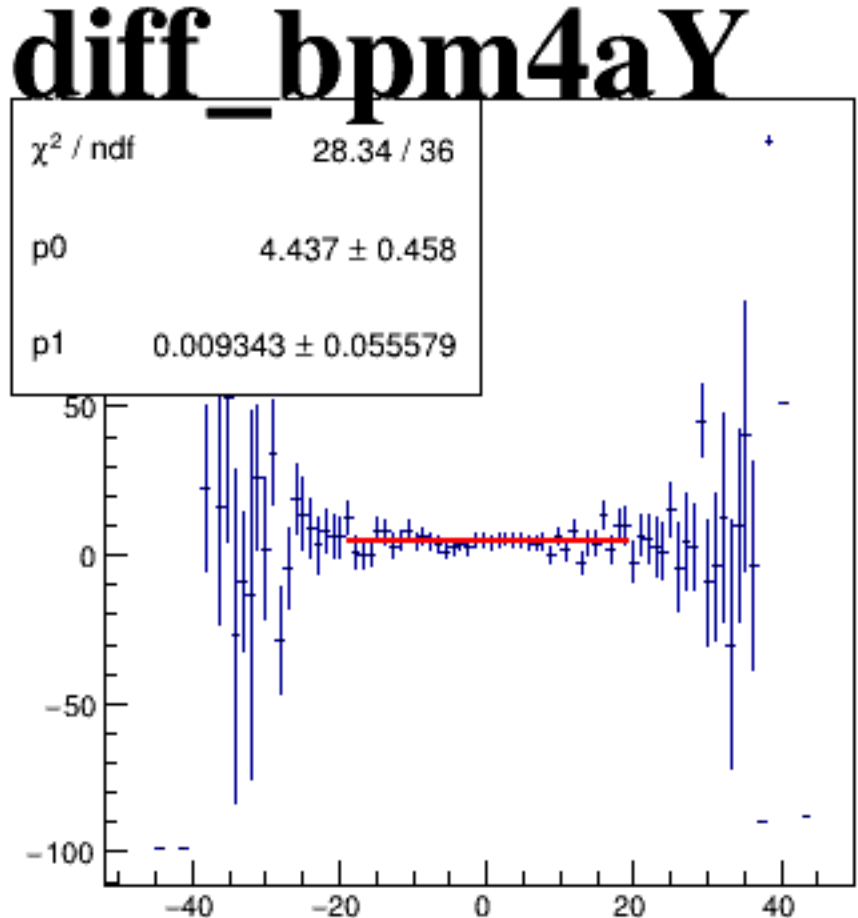
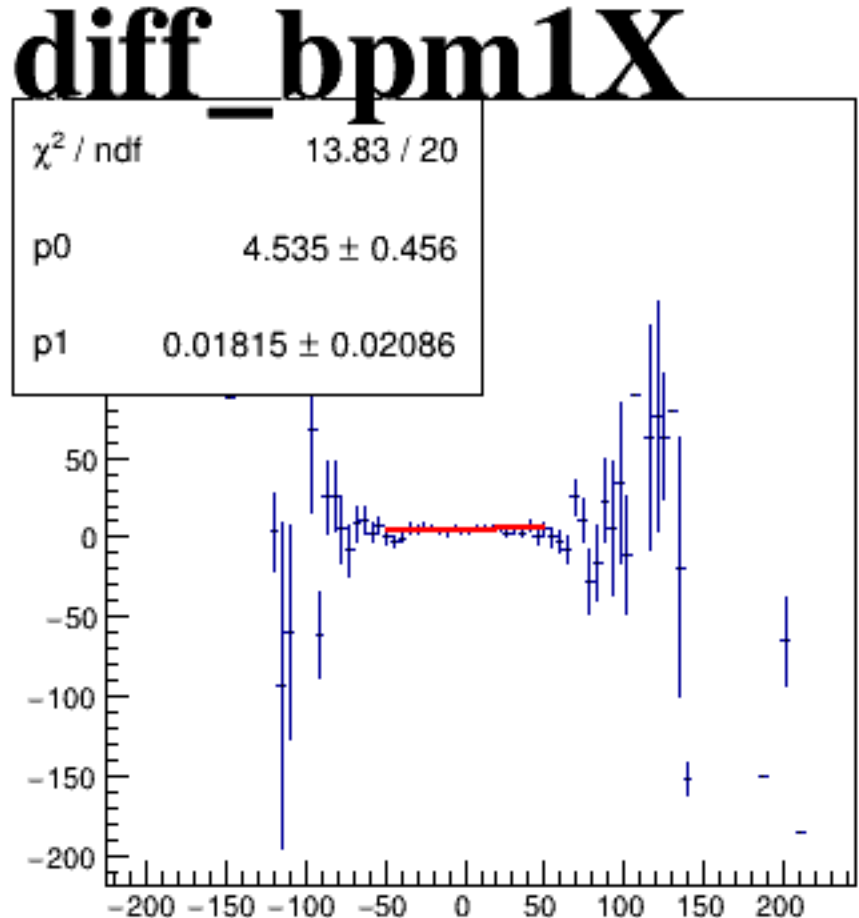
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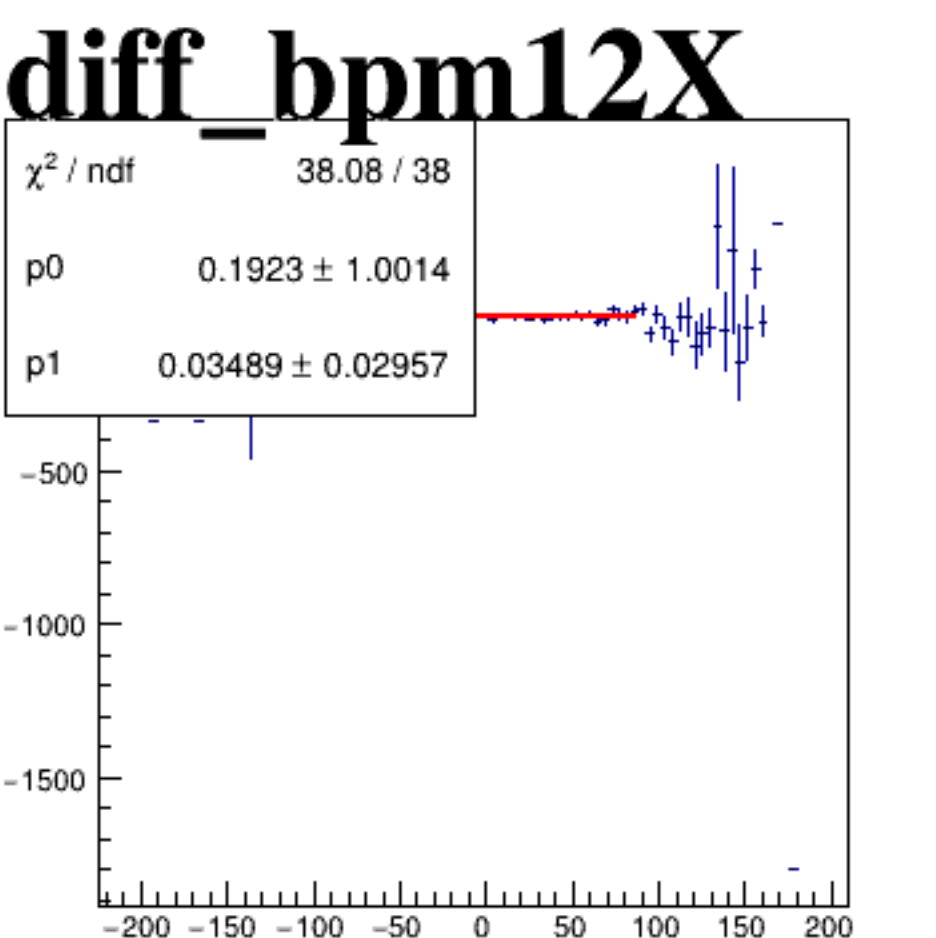
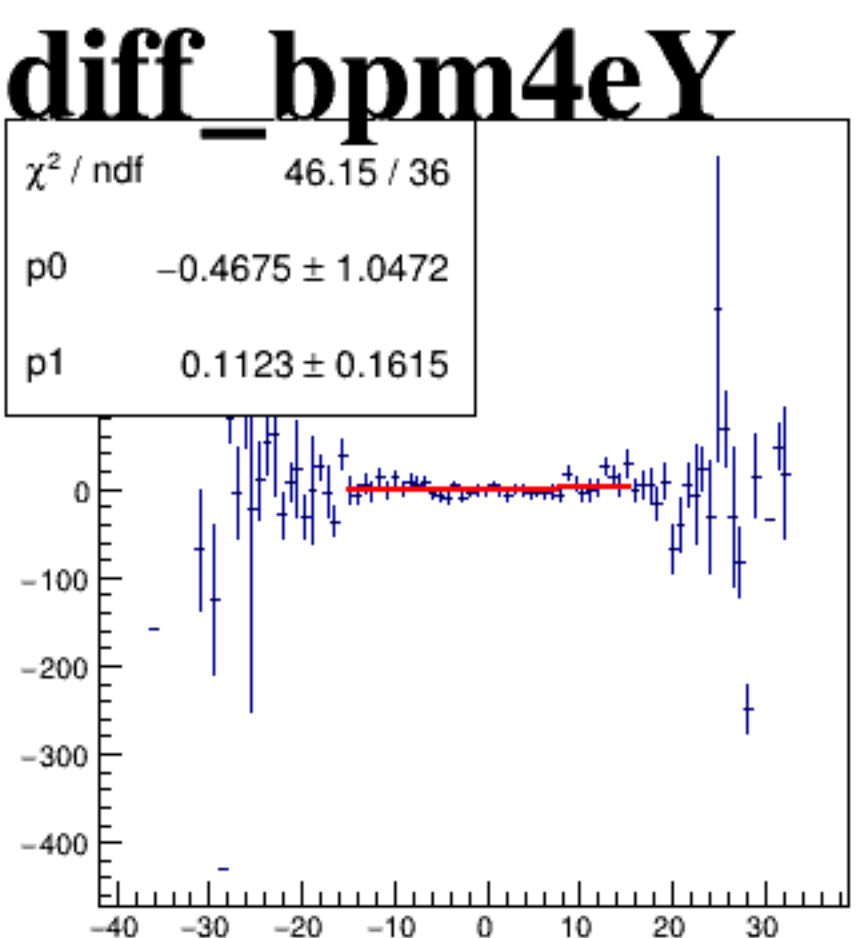
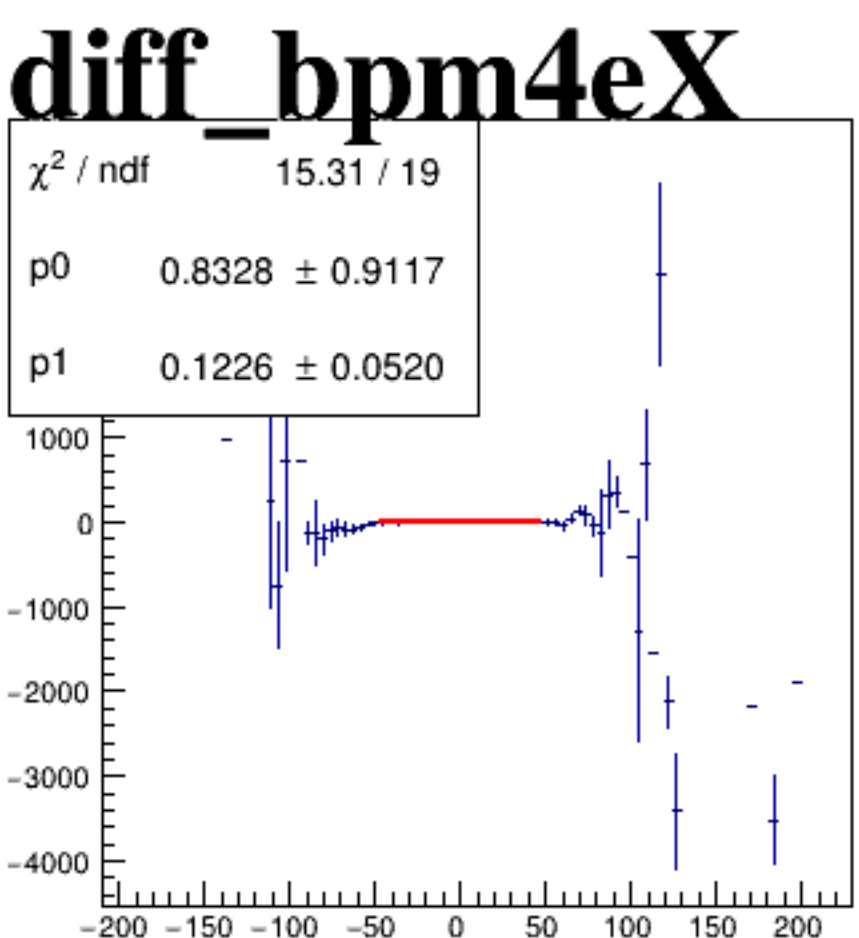
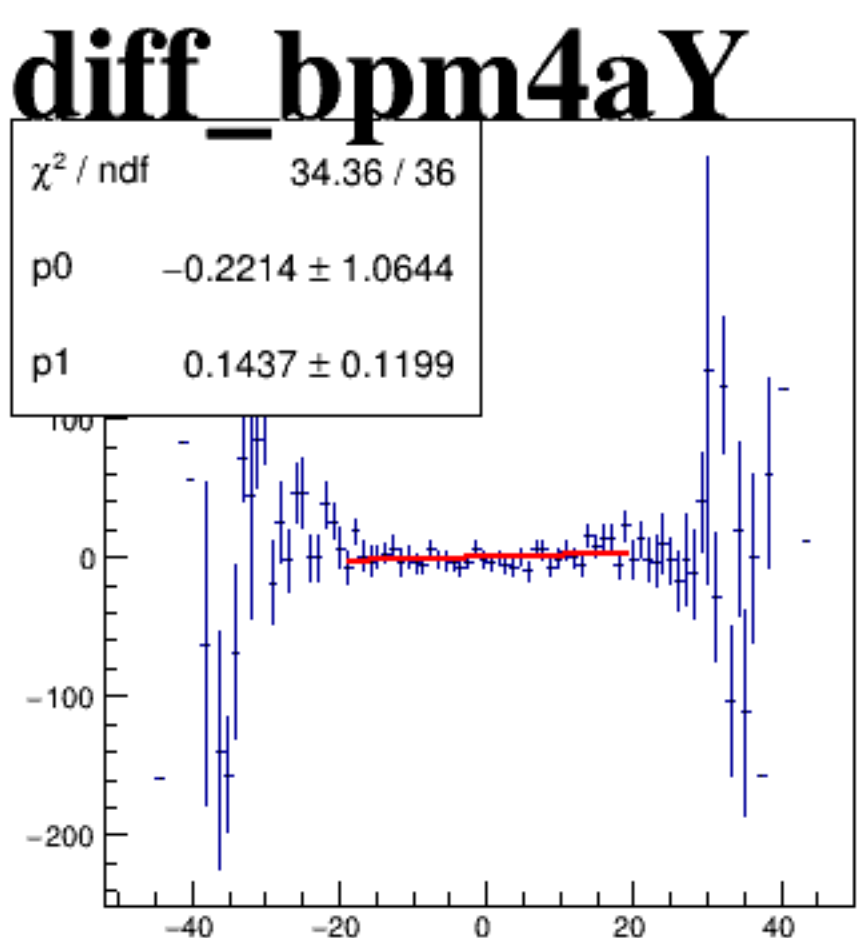
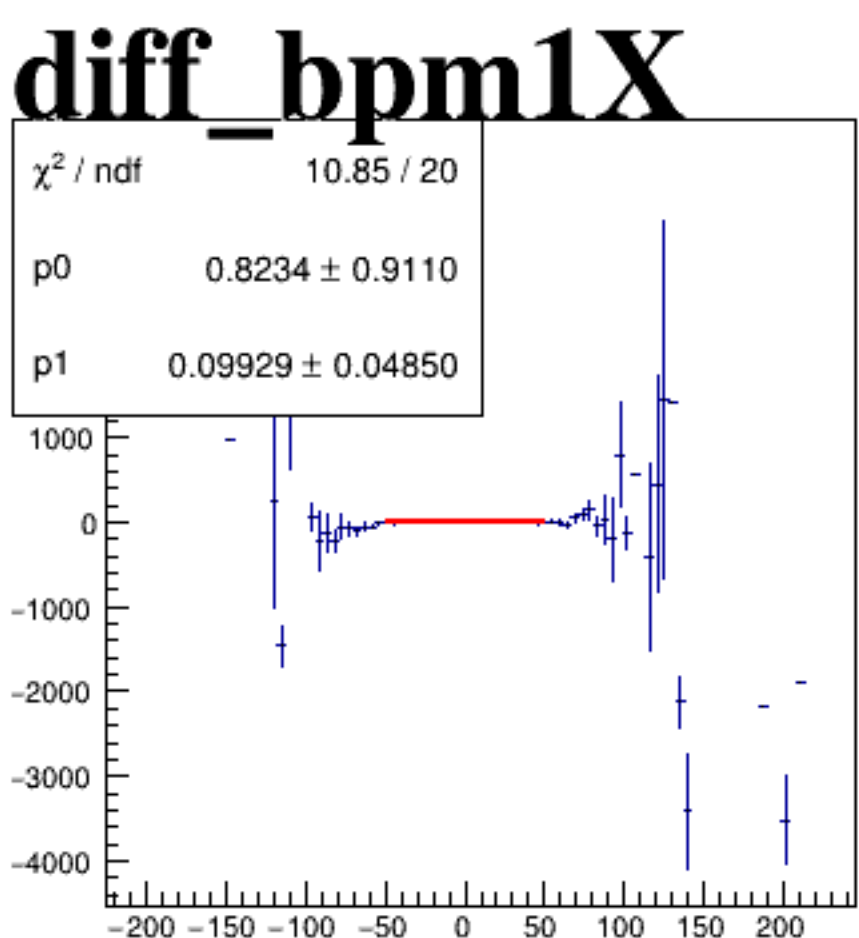
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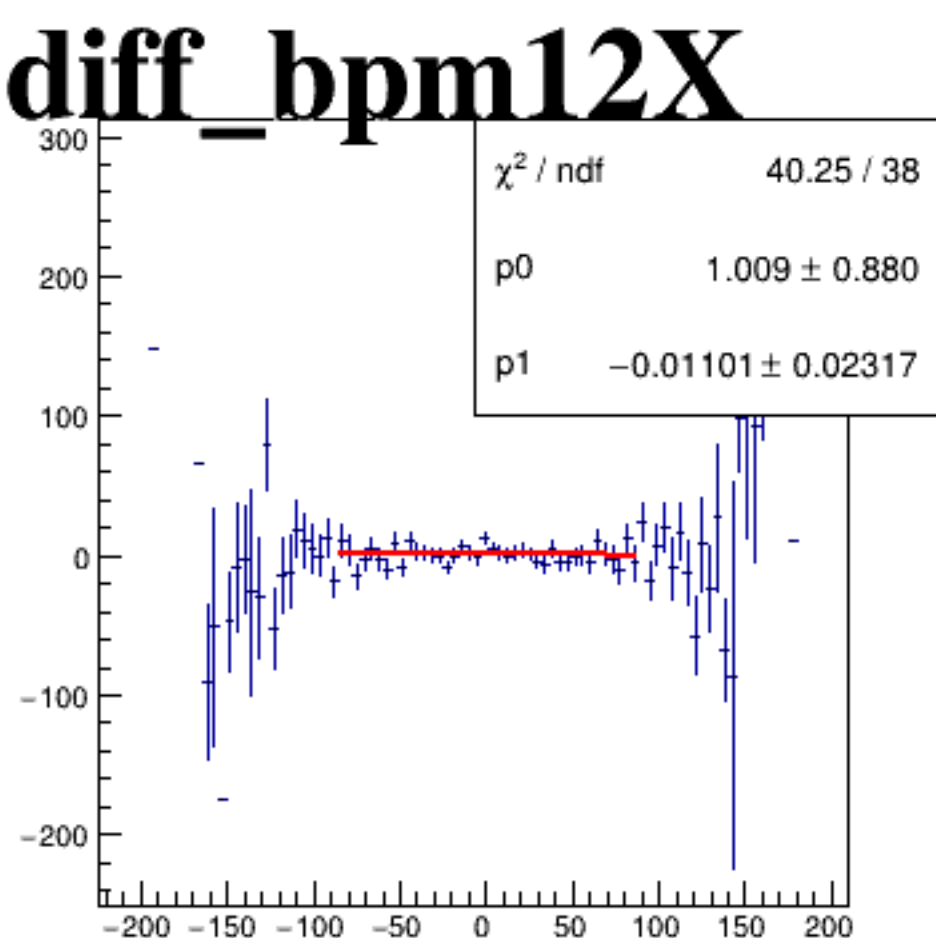
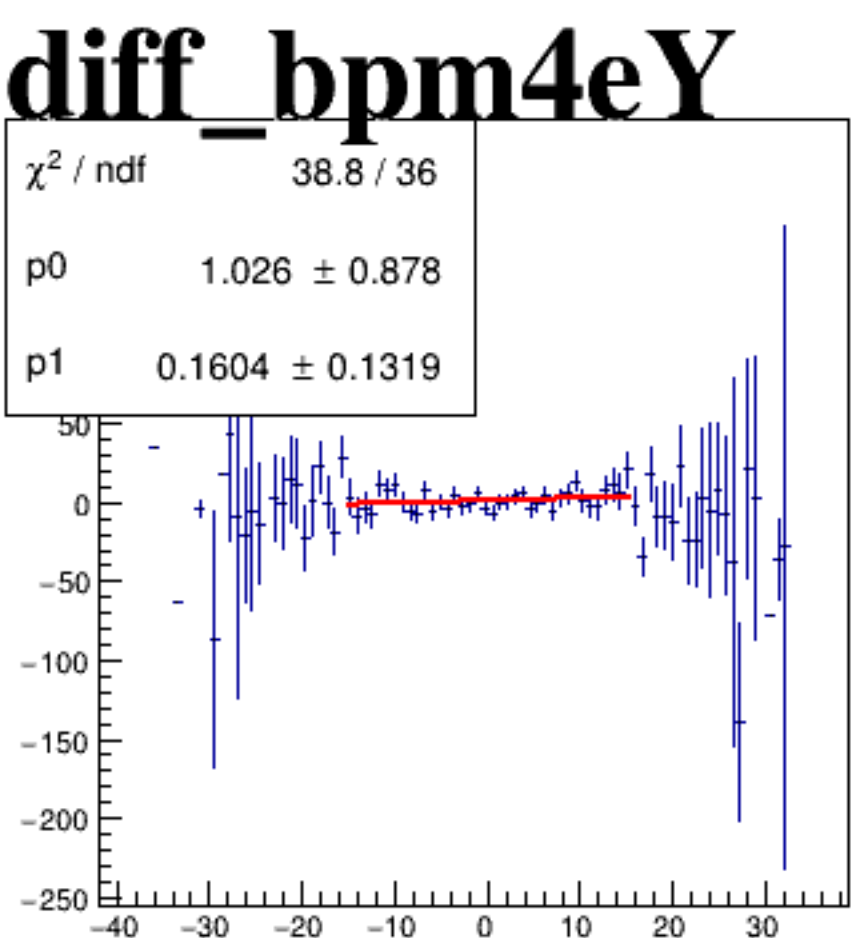
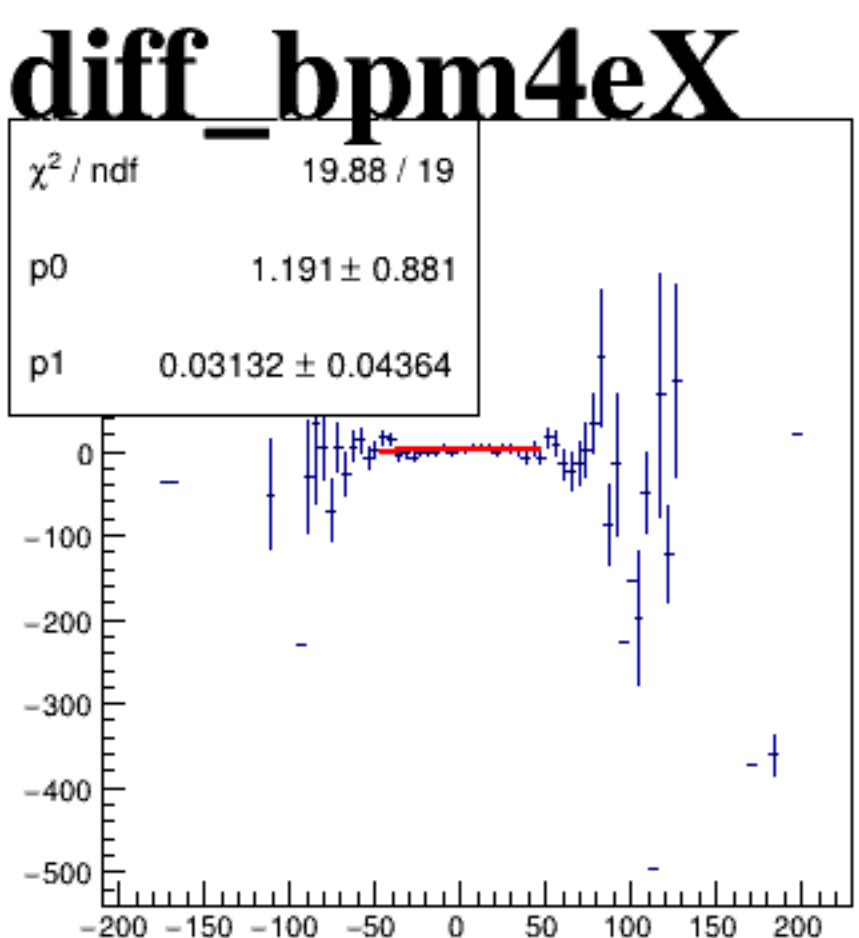
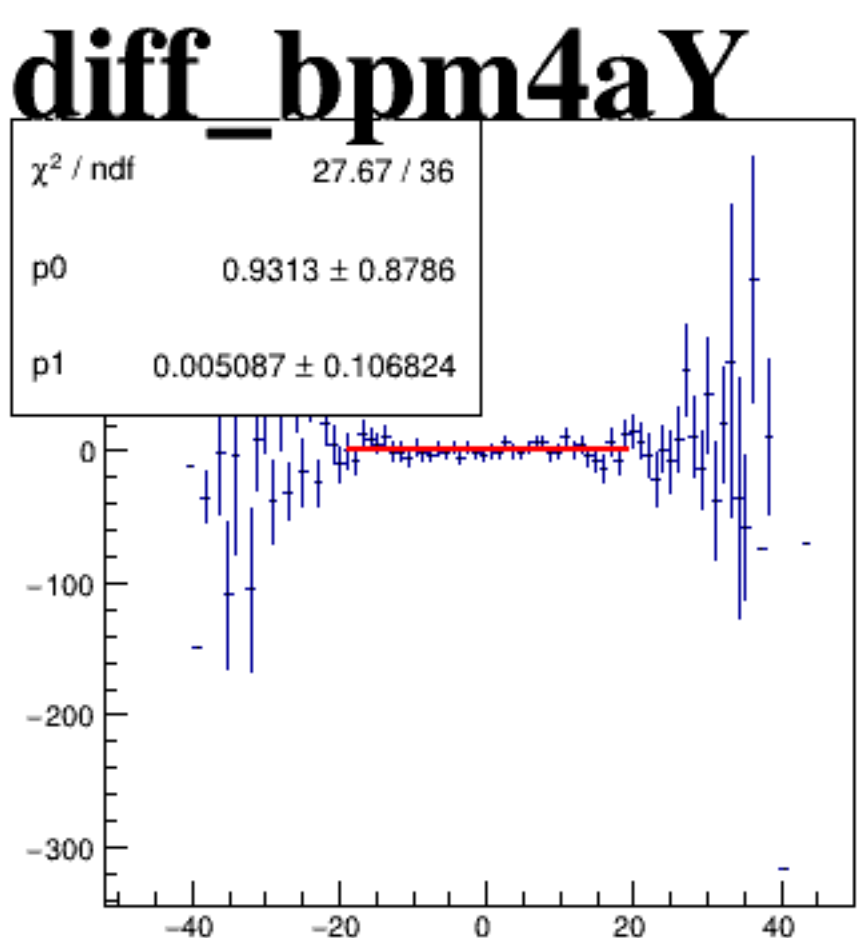
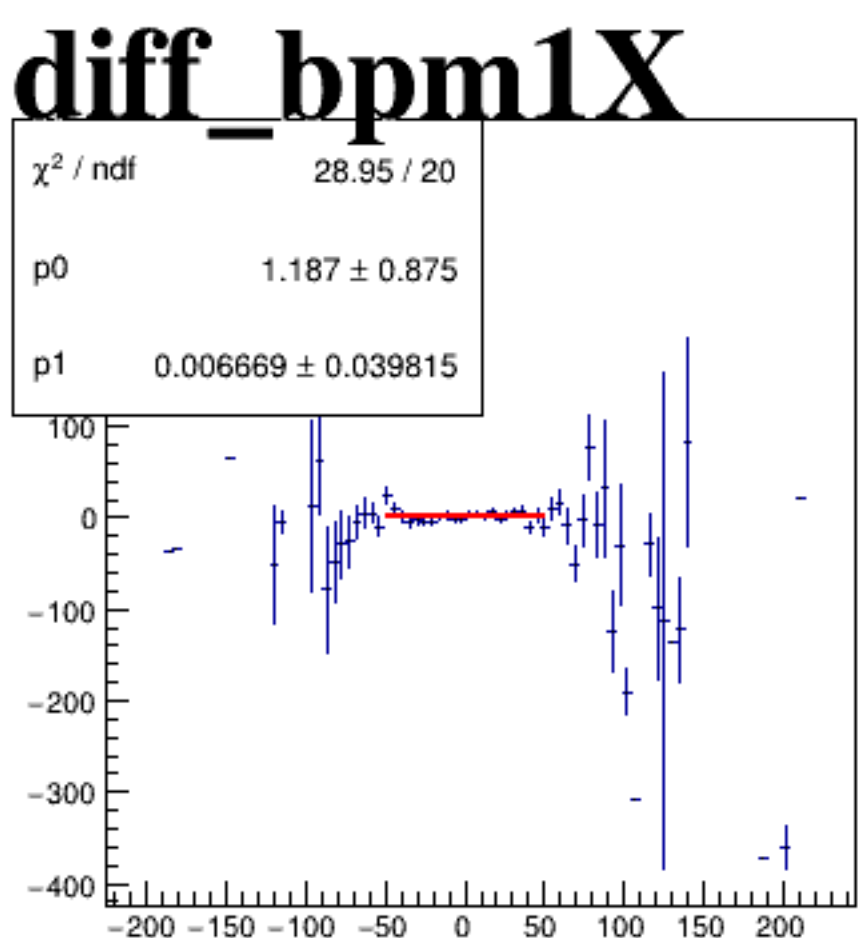
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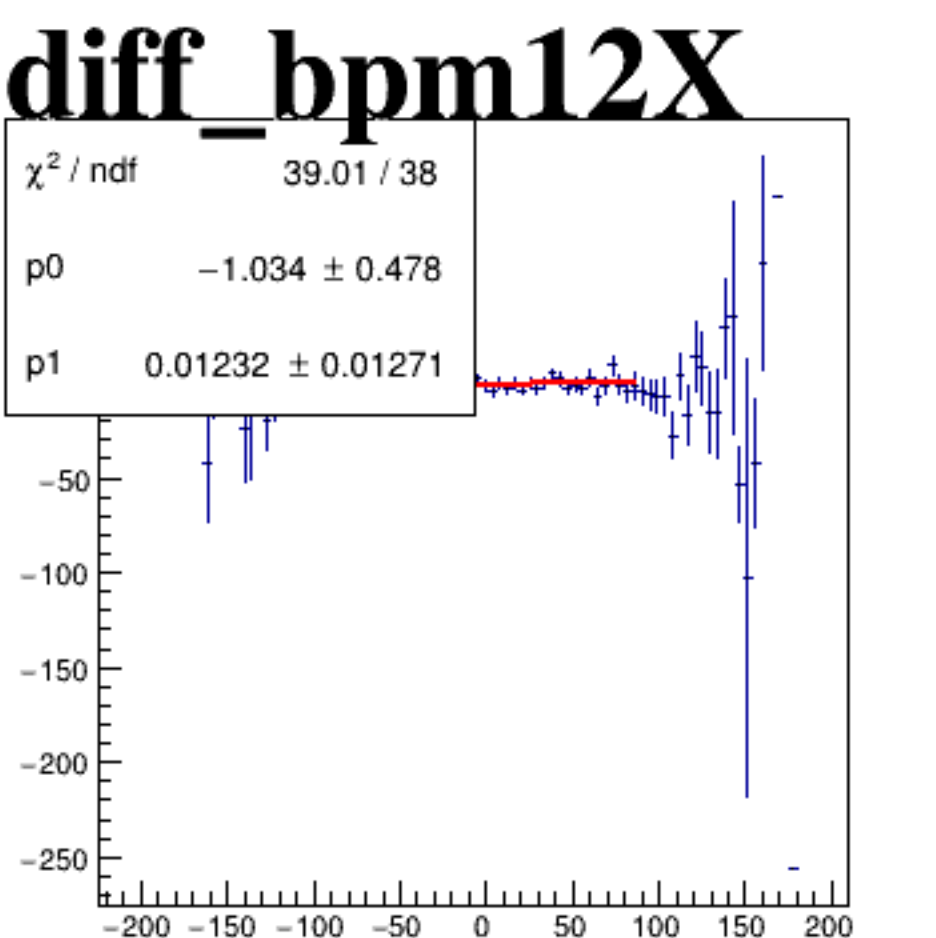
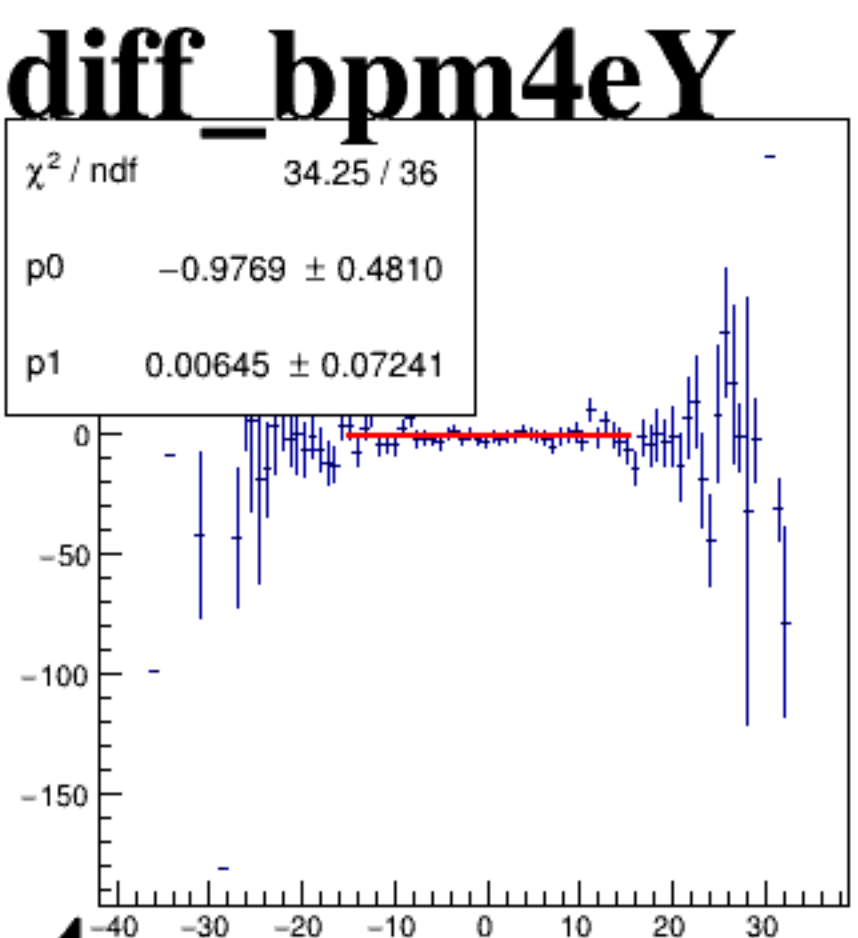
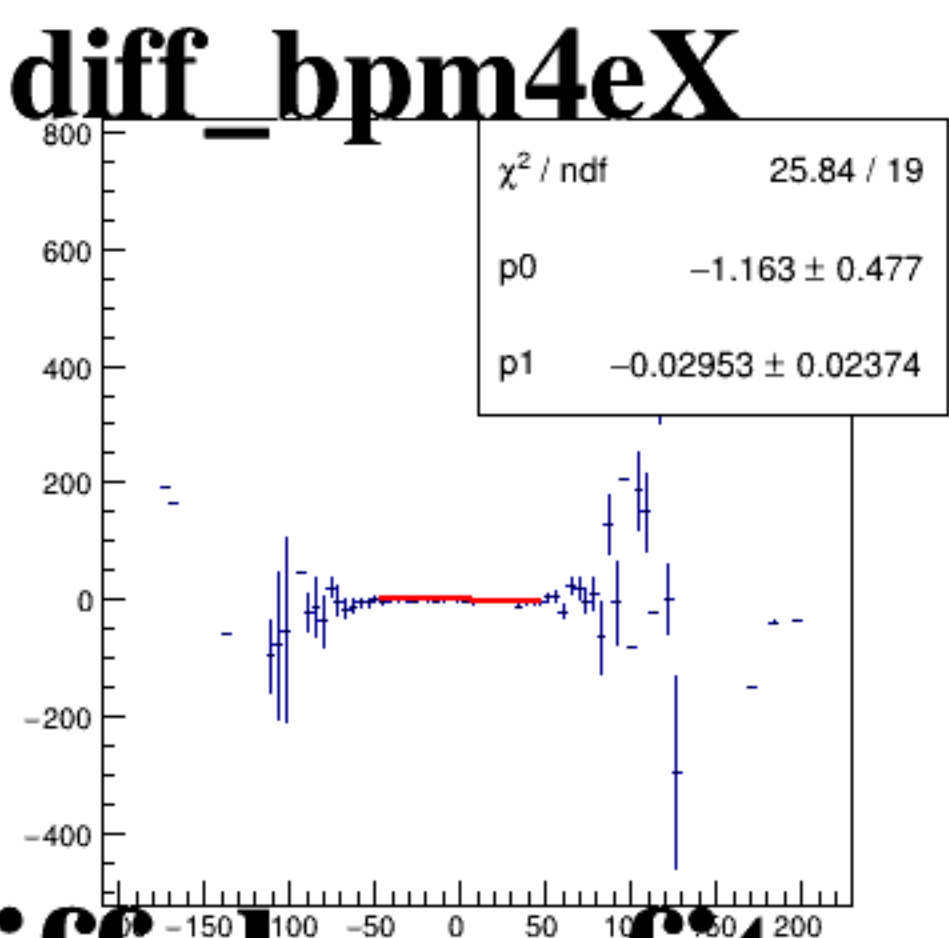
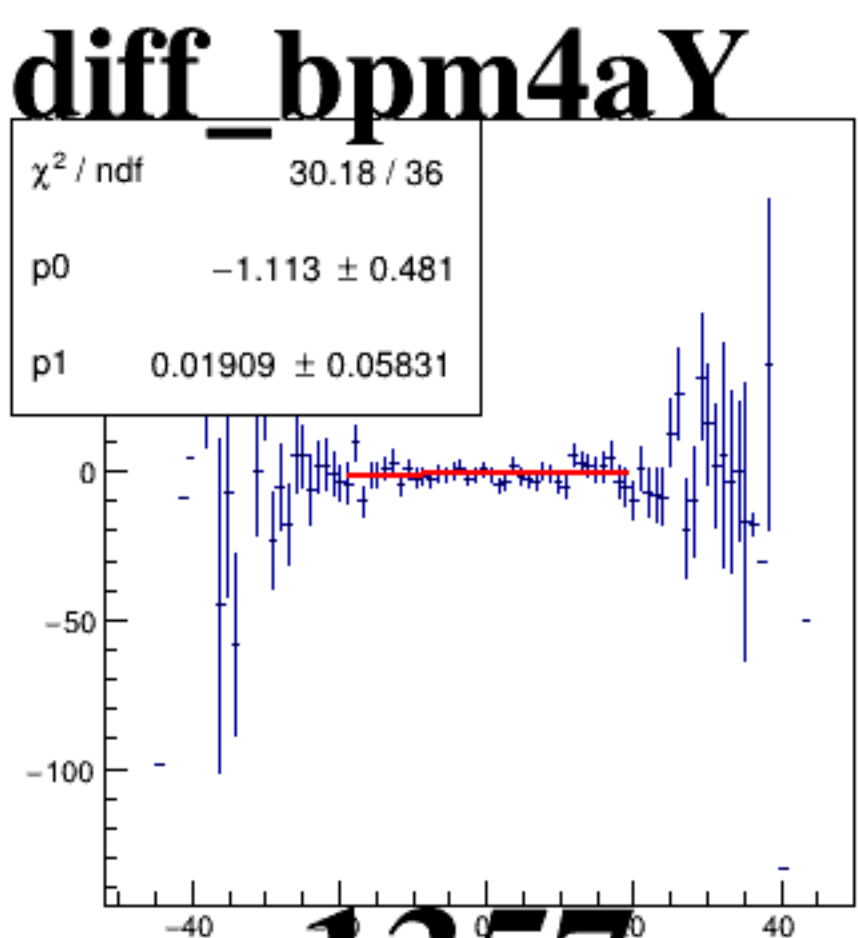
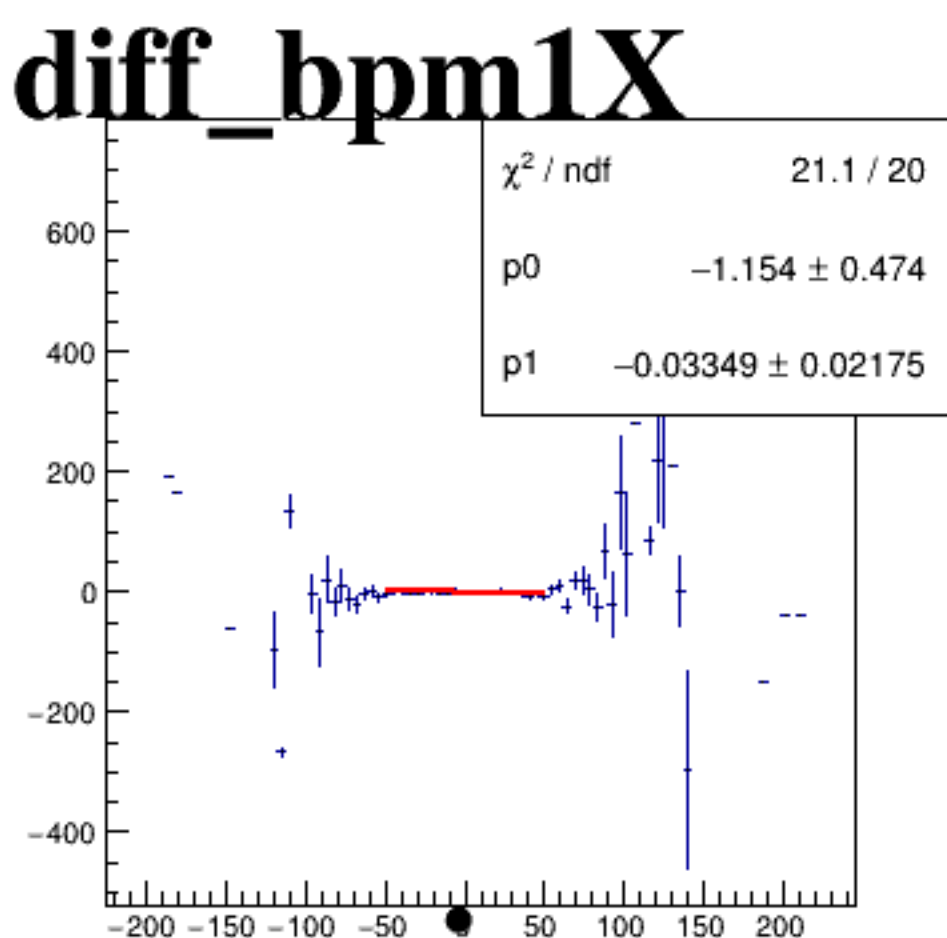
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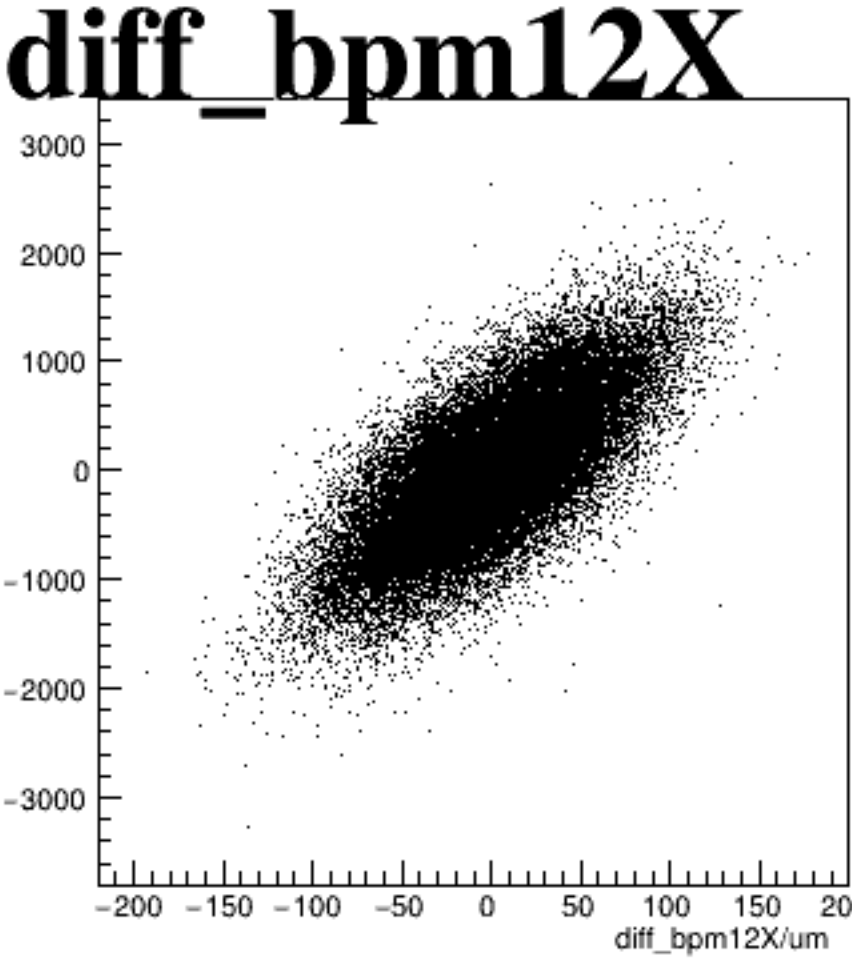
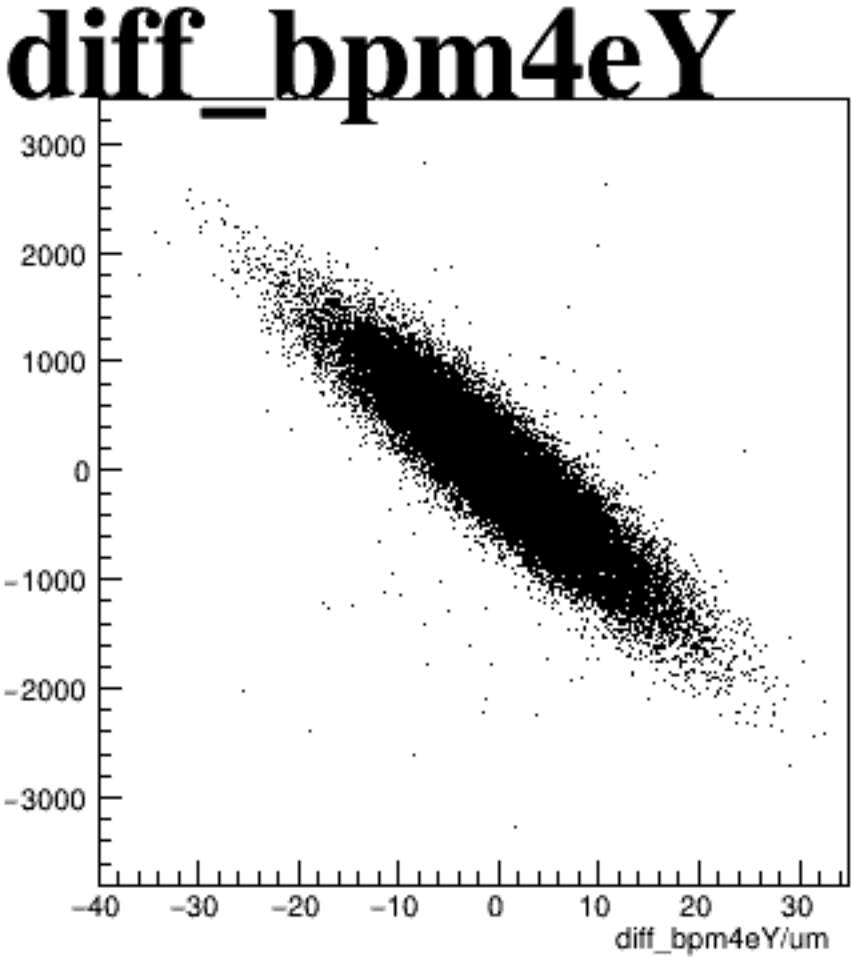
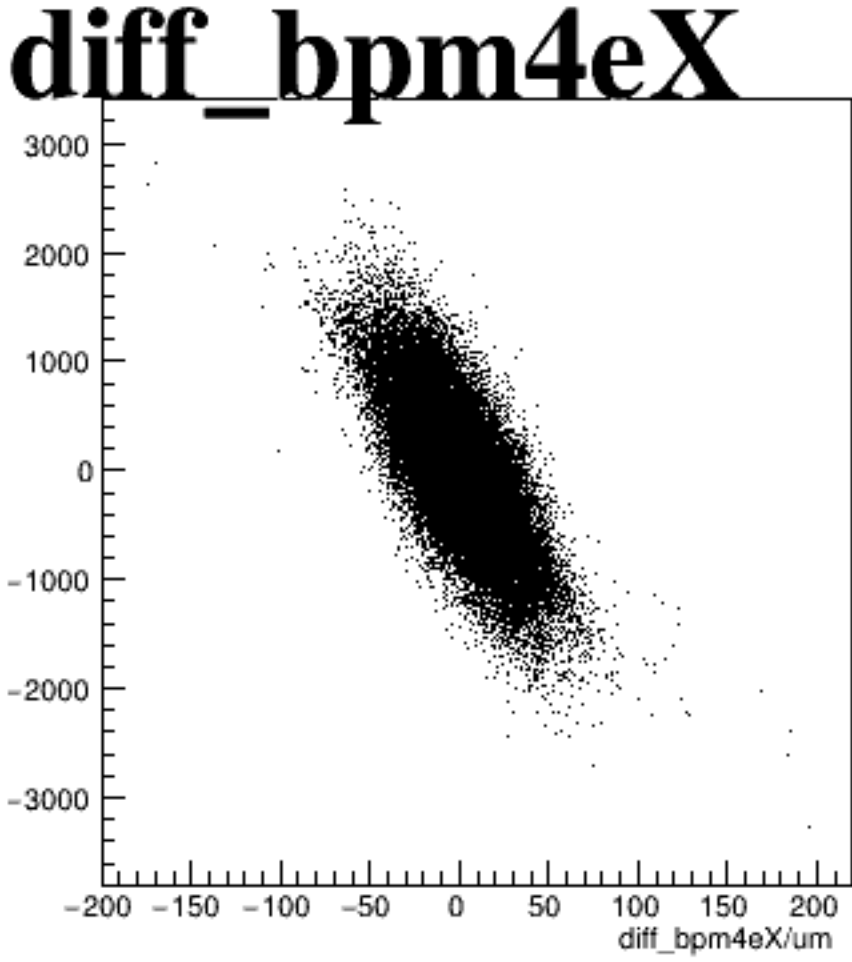
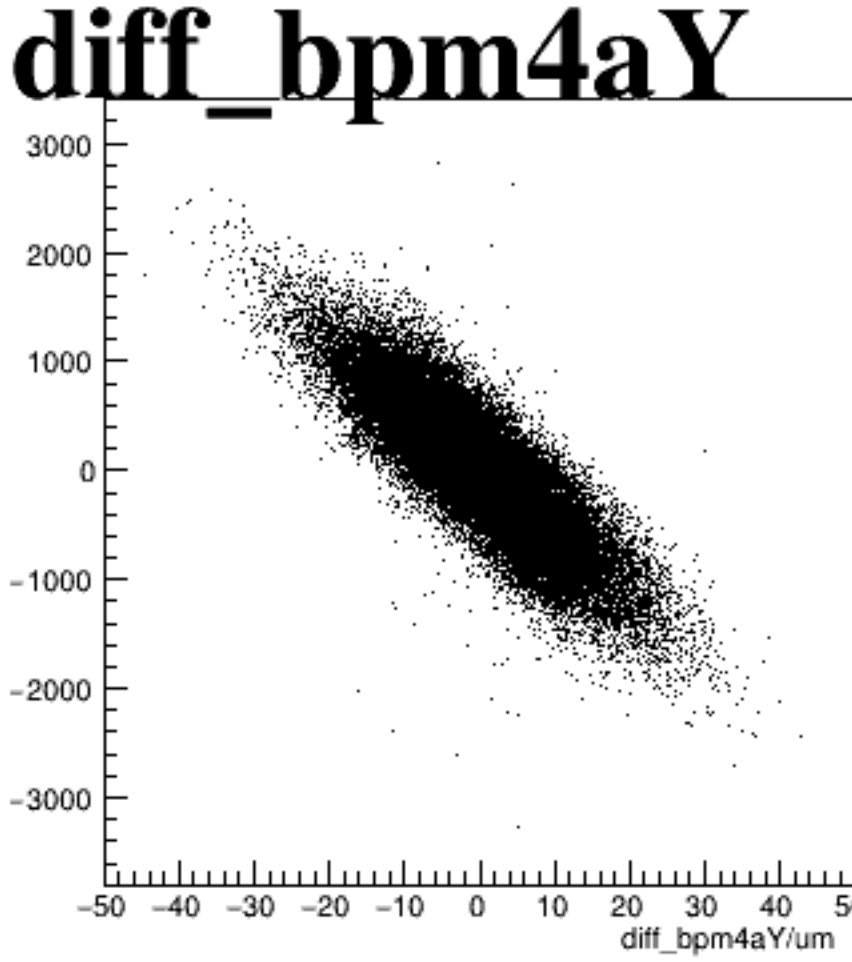
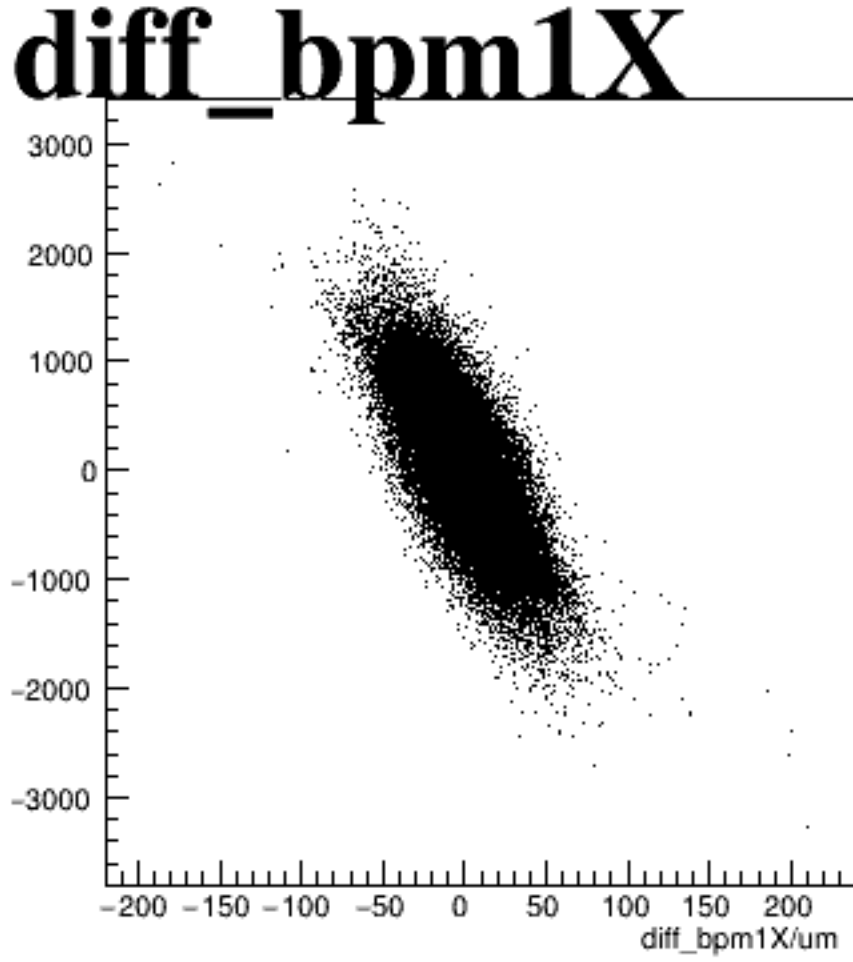
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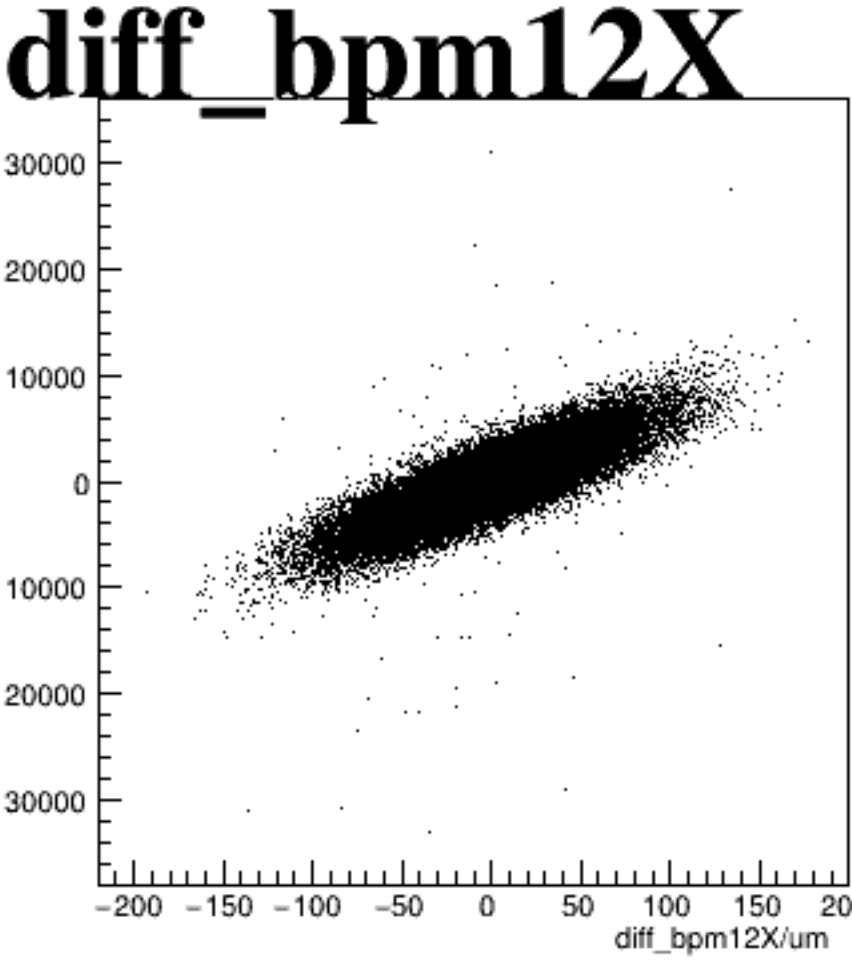
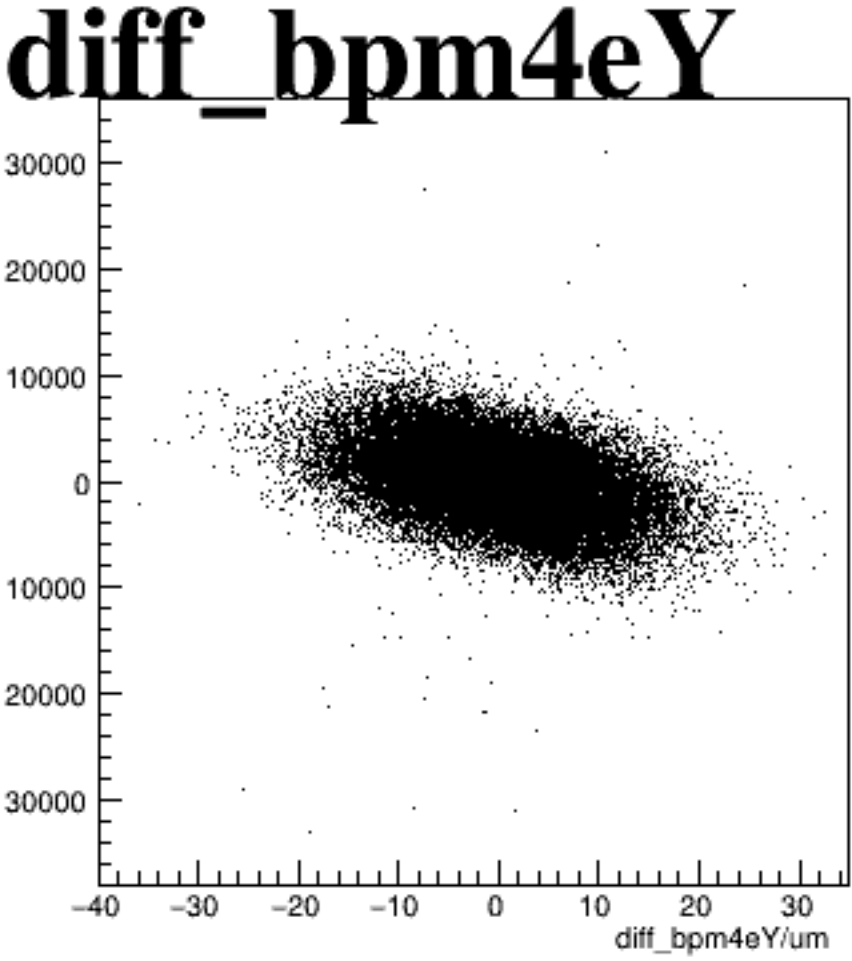
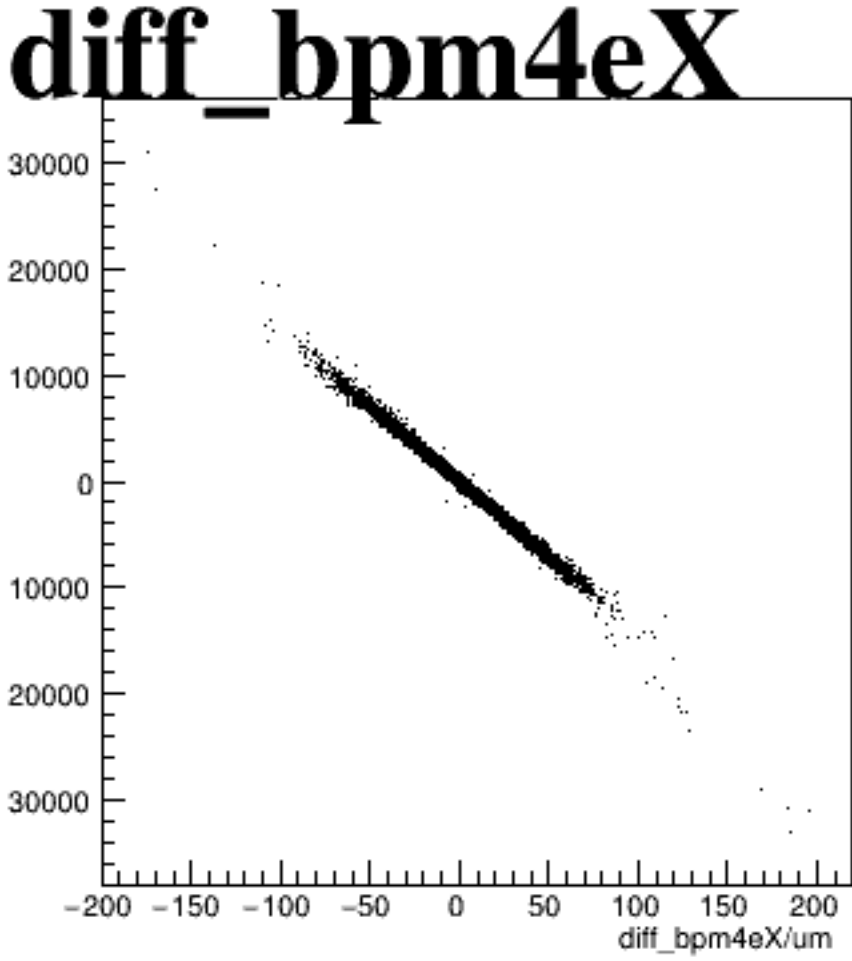
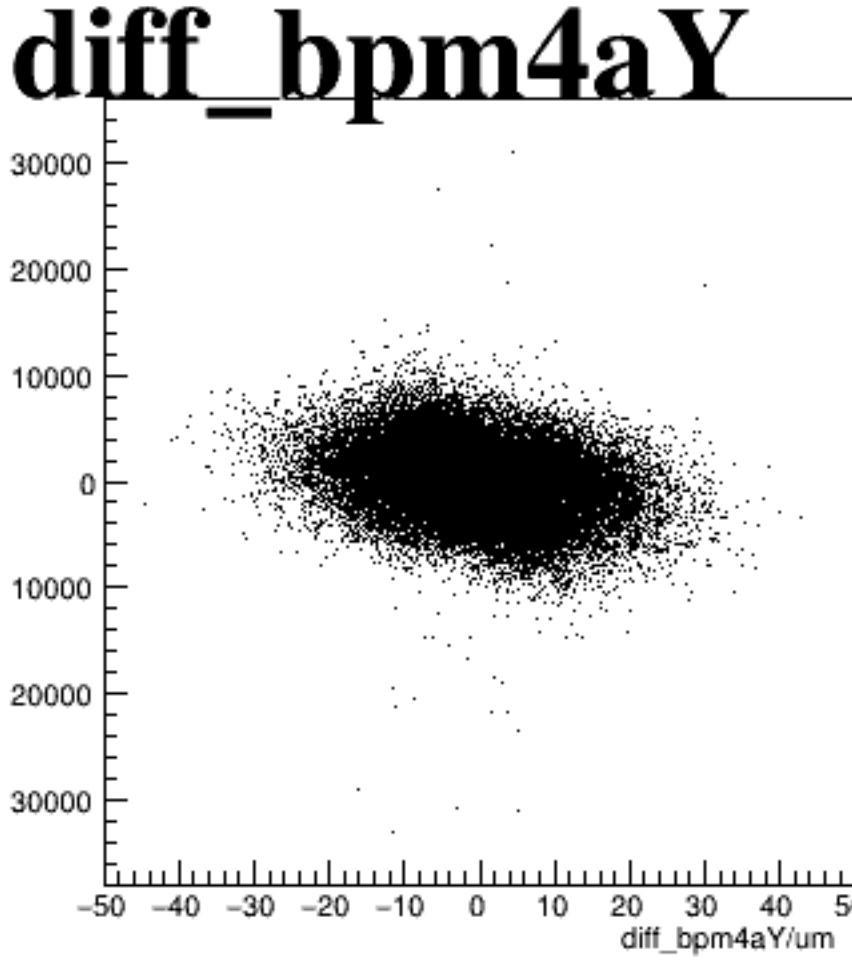
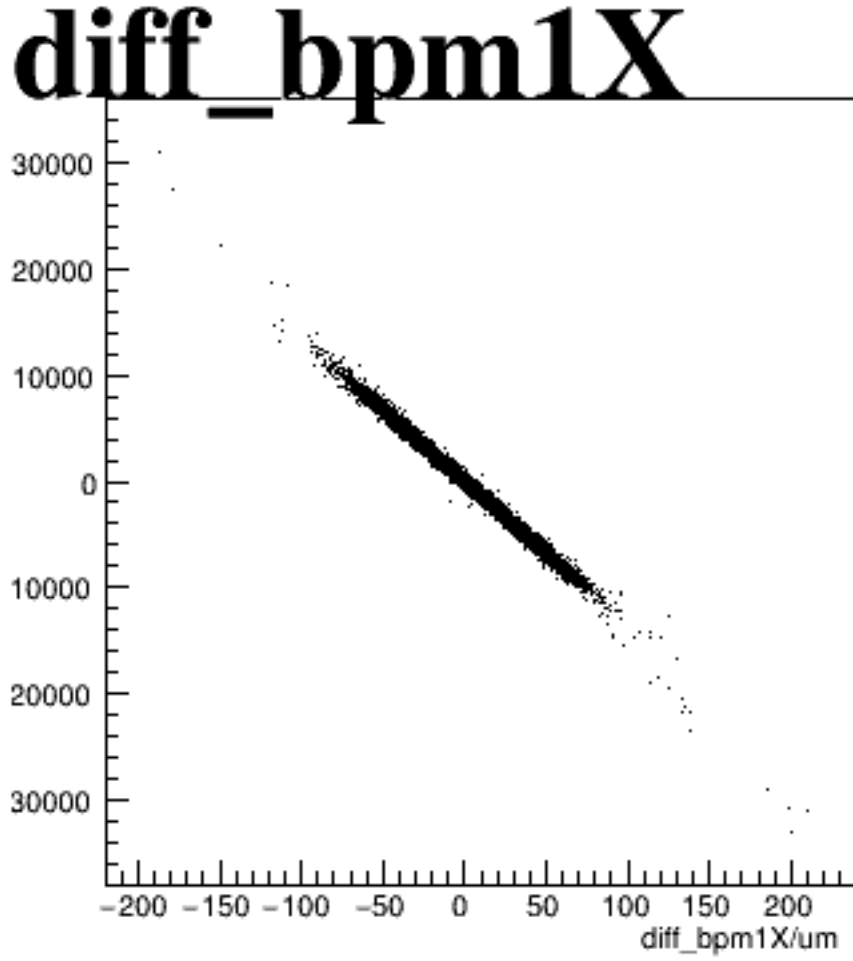
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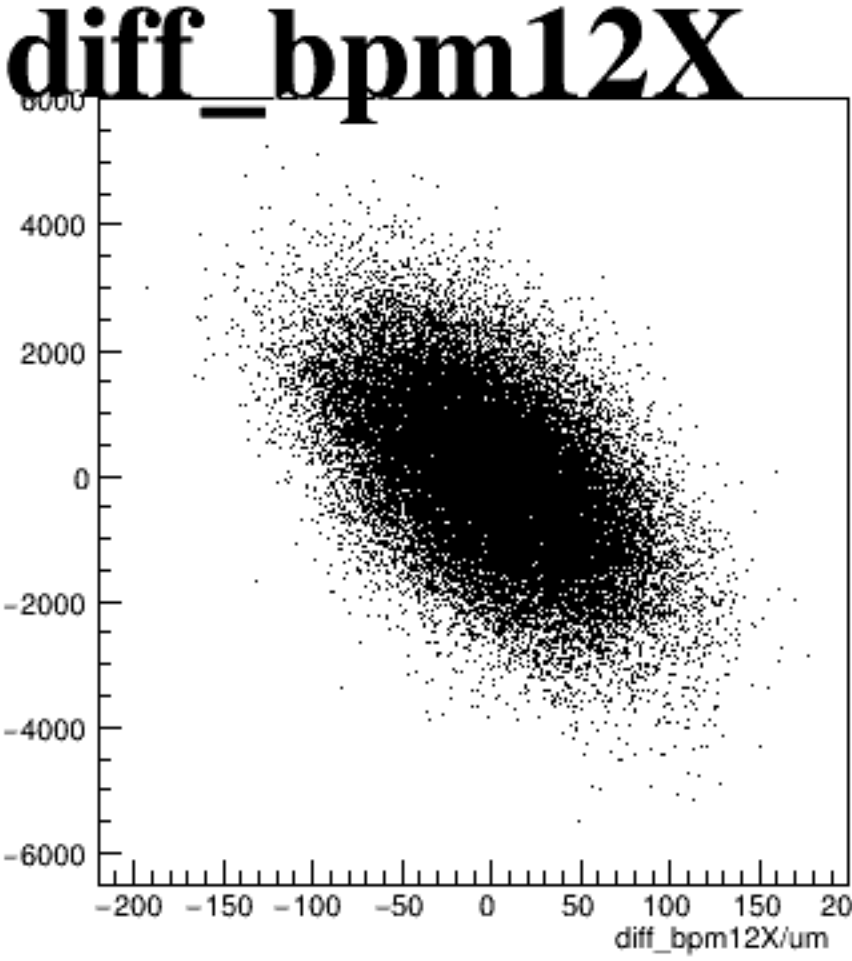
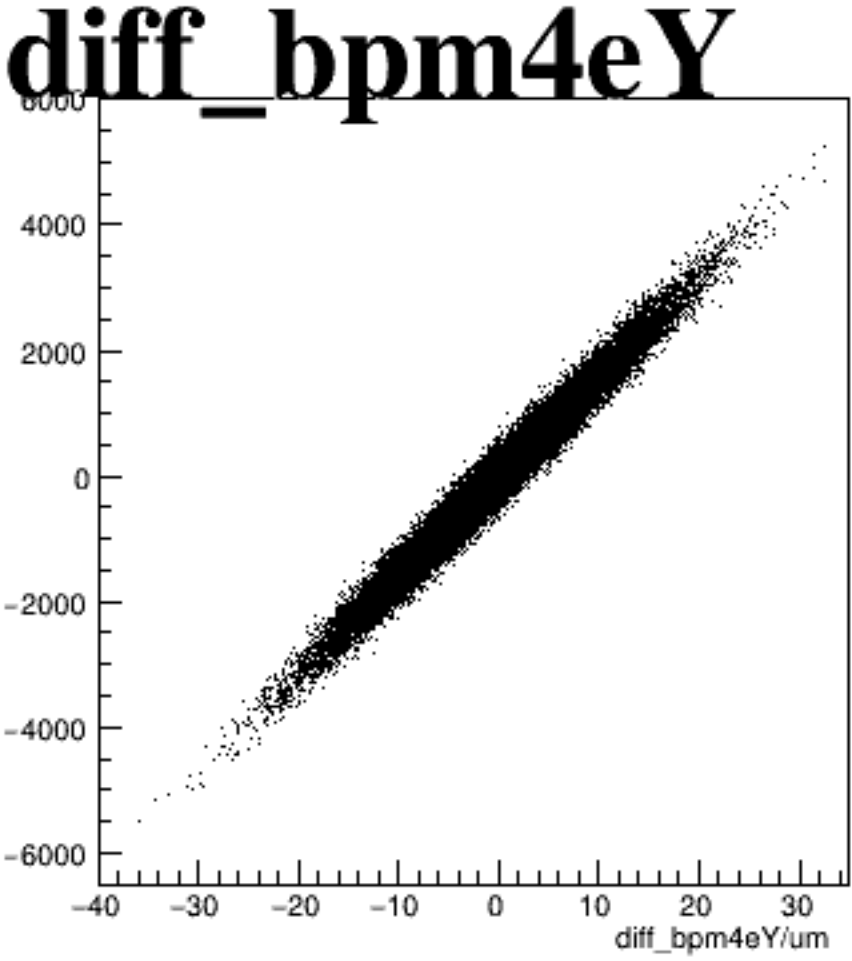
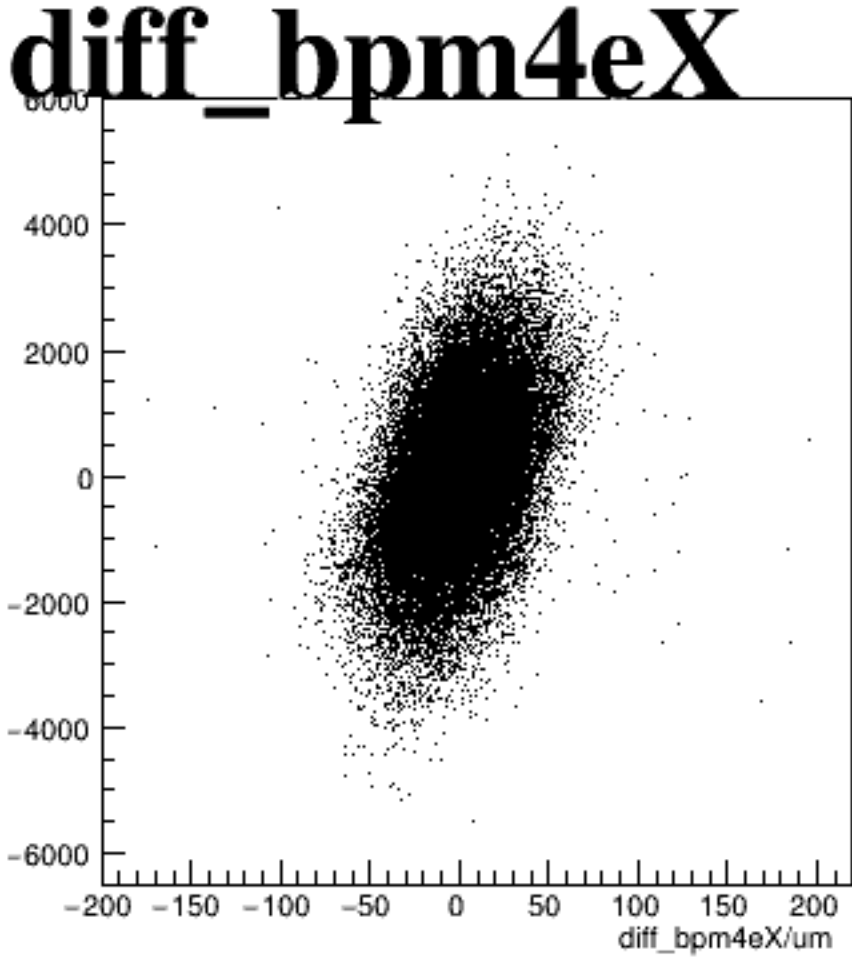
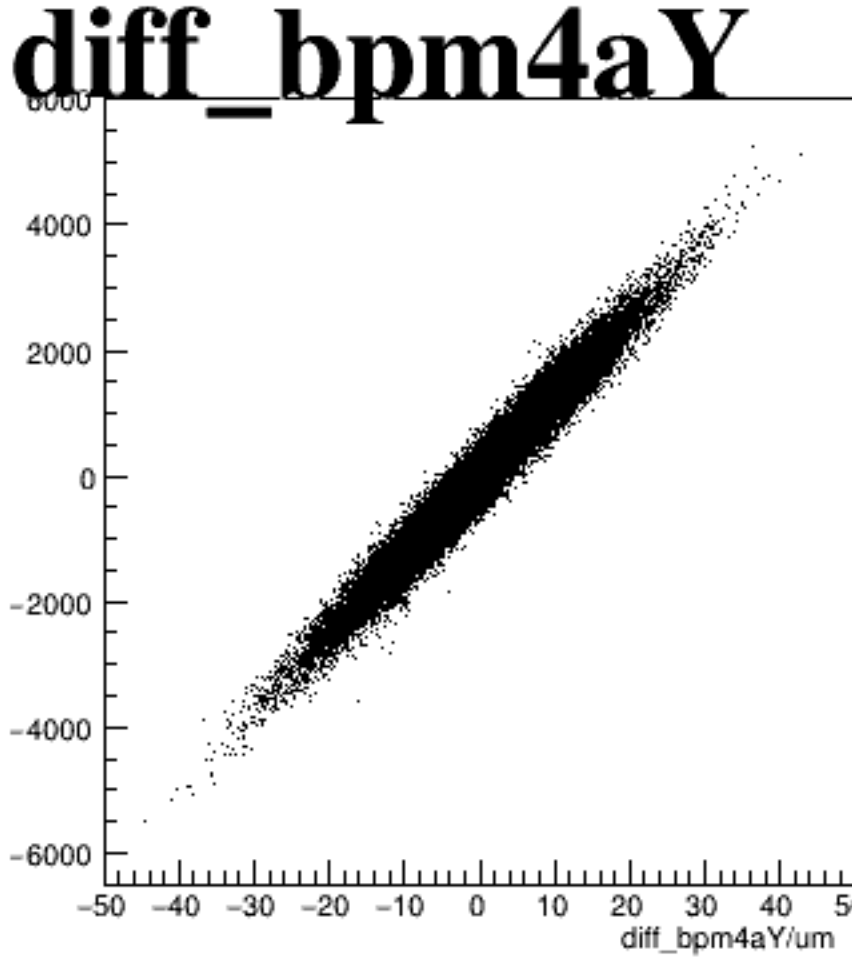
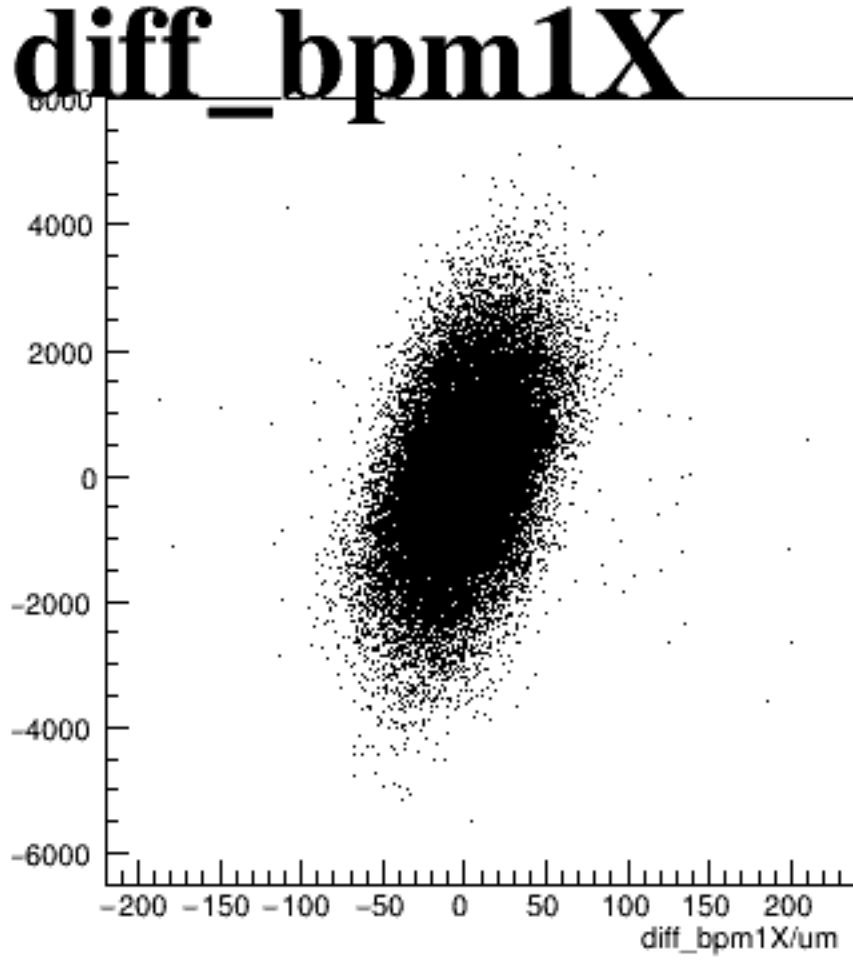
asym_sam1



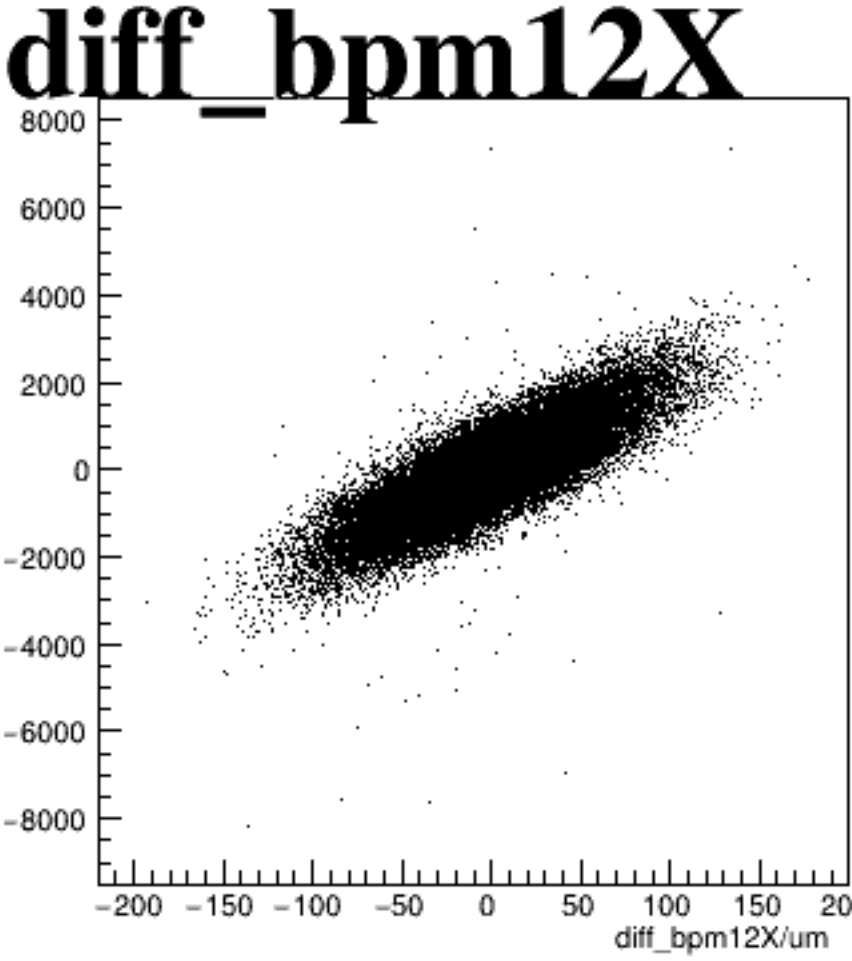
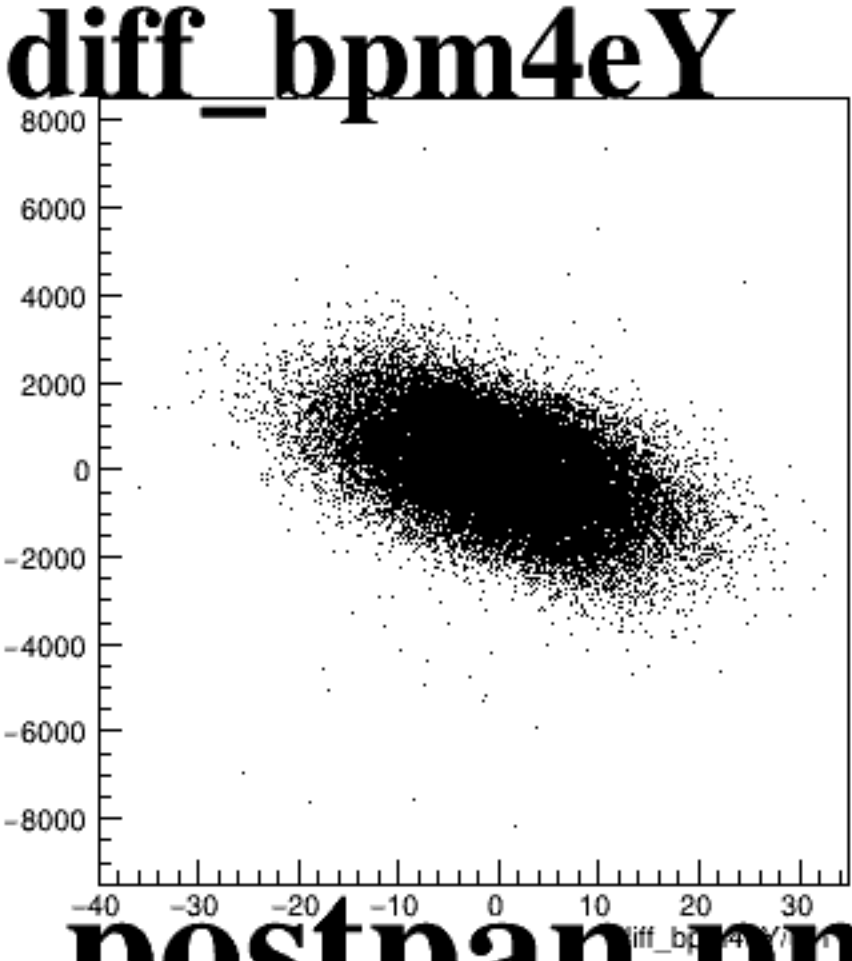
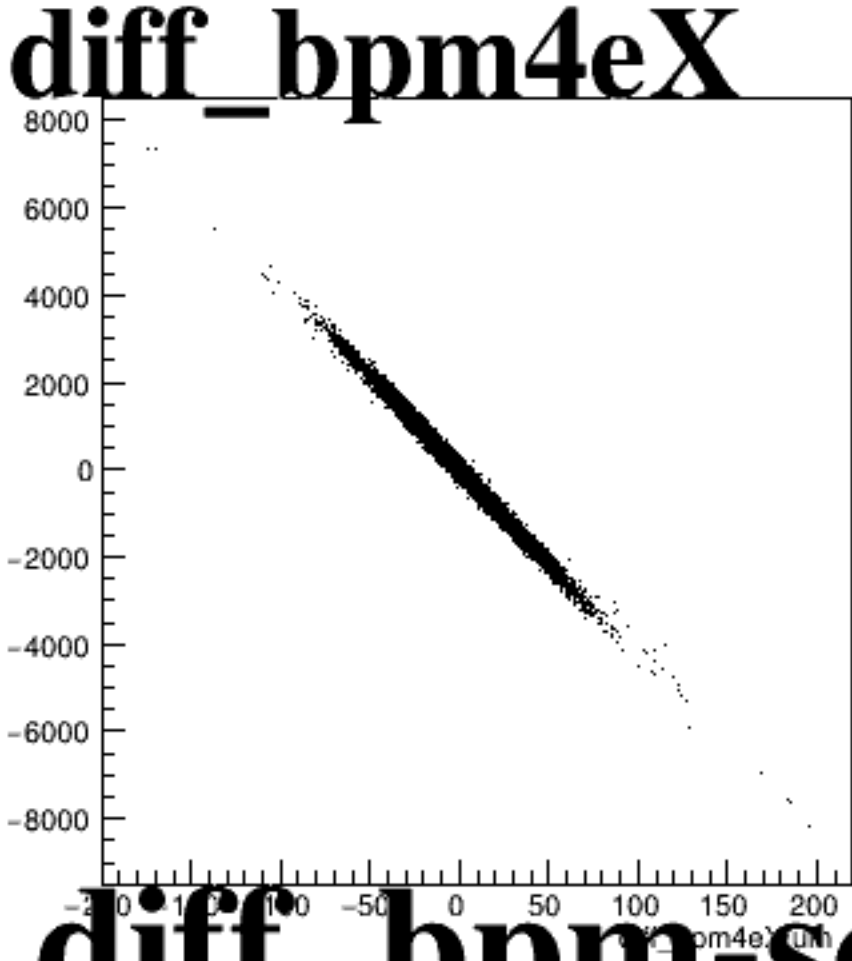
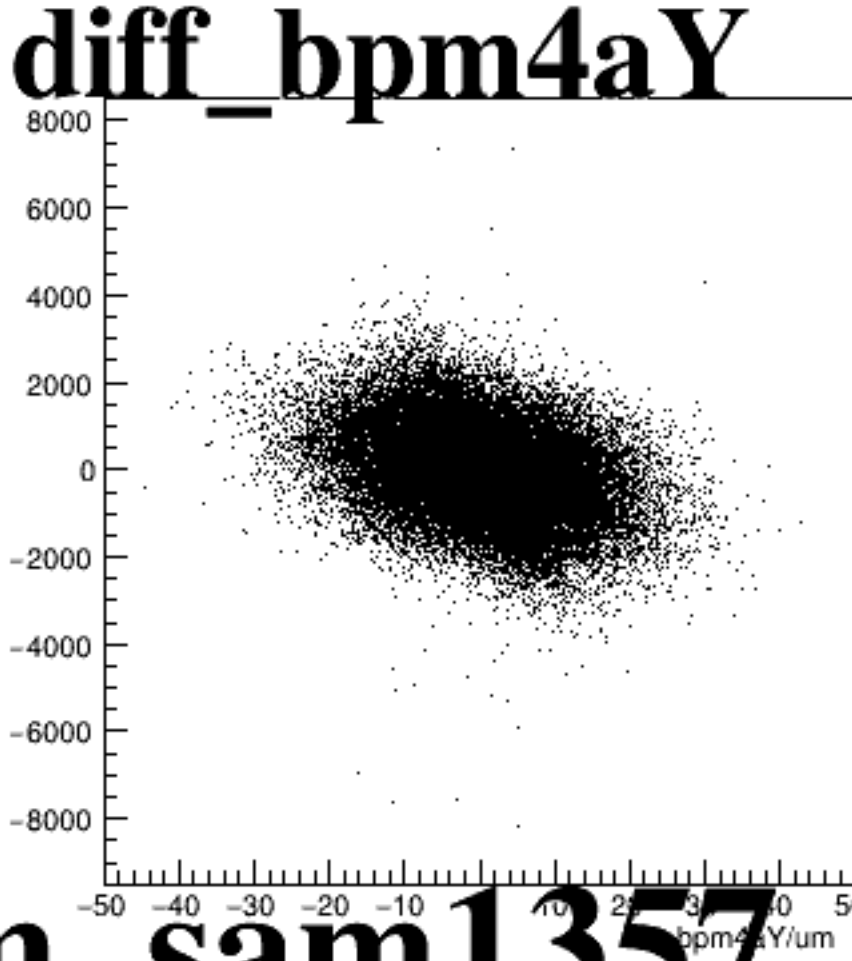
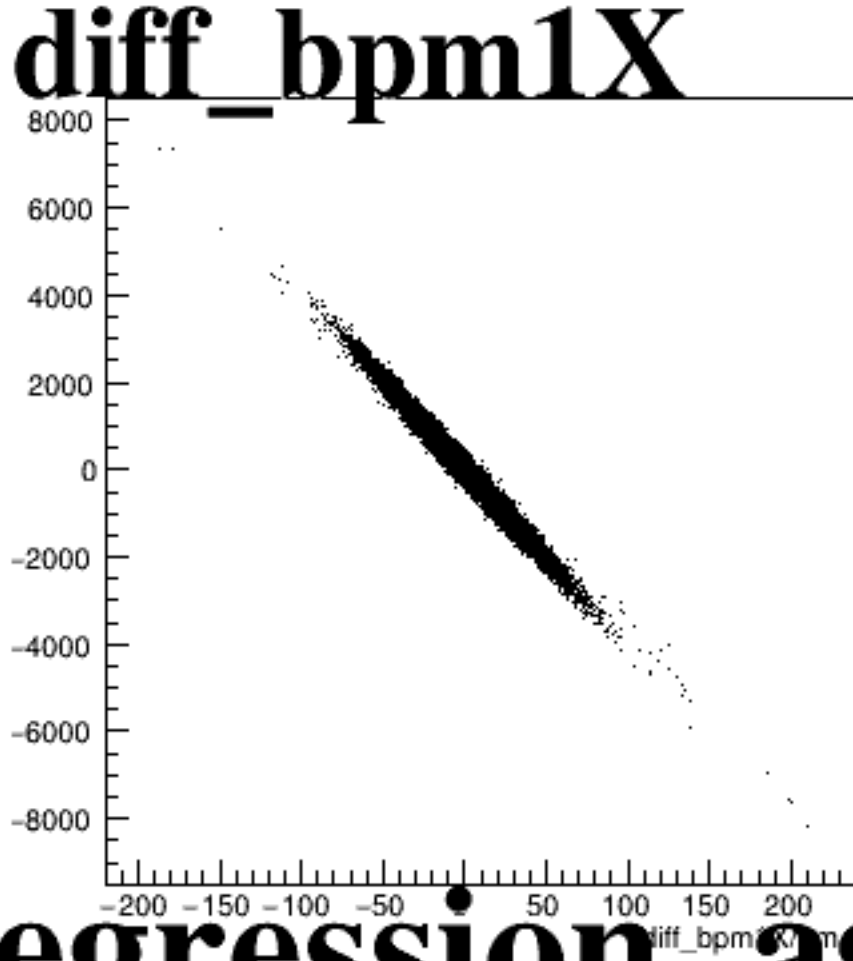
asym_sam3



asym_sam5



asym_sam7



The figure consists of five scatter plots arranged horizontally, each showing the difference in position between two beam position monitors (BPMs) for X and Y coordinates. The plots are titled 'diff_bpm1X', 'diff_bpm4aY', 'diff_bpm4eX', 'diff_bpm4eY', and 'diff_bpm12X'. Each plot shows a dense cluster of points centered around zero difference, with axes ranging from -5000 to 5000.

Figure 1 consists of five scatter plots arranged horizontally, each showing the difference in beam position measurements (diff_bpm) for different beam sizes and positions. The plots are labeled as follows:

- diff_bpm1X**: The x-axis ranges from -200 to 200 μm , and the y-axis ranges from -800 to 800 μm .
- diff_bpm4aY**: The x-axis ranges from -50 to 50 μm , and the y-axis ranges from -800 to 800 μm .
- diff_bpm4eX**: The x-axis ranges from -200 to 200 μm , and the y-axis ranges from -800 to 800 μm .
- diff_bpm4eY**: The x-axis ranges from -40 to 30 μm , and the y-axis ranges from -800 to 800 μm .
- diff_bpm12X**: The x-axis ranges from -200 to 200 μm , and the y-axis ranges from -800 to 800 μm .

Each plot displays a dense cloud of points centered around zero, indicating good agreement between the two measurement methods. The plots are titled with the beam size and position: 1X, 4aY, 4eX, 4eY, and 12X.