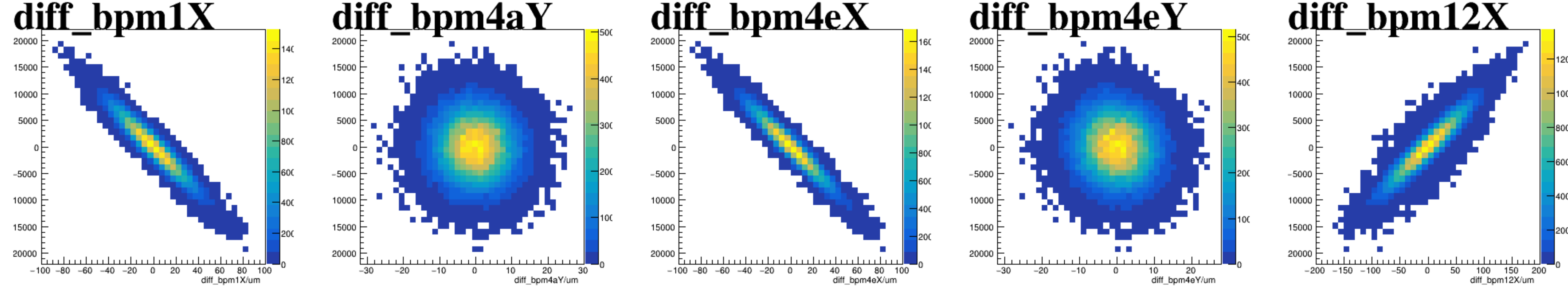
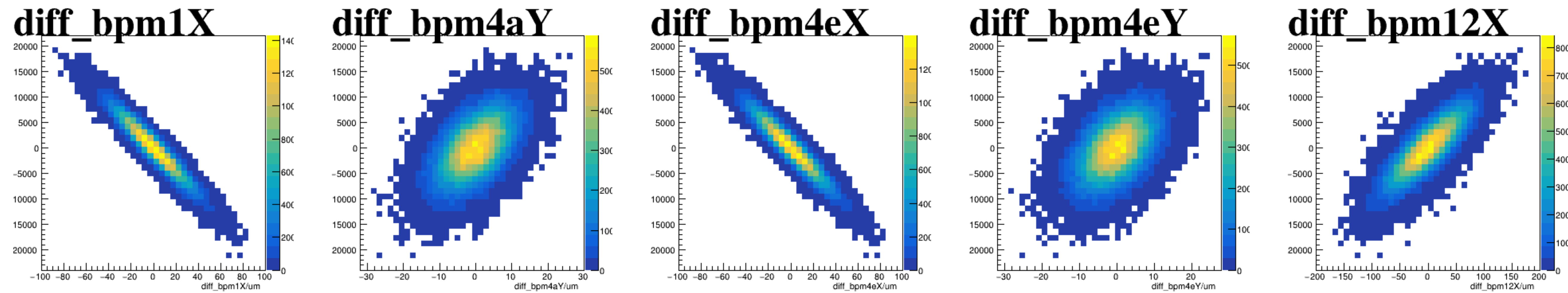


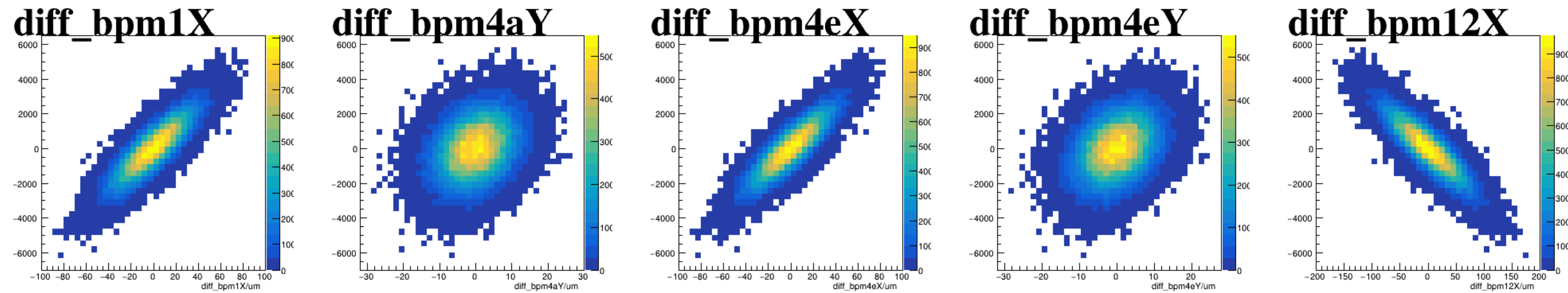
asym_sam2



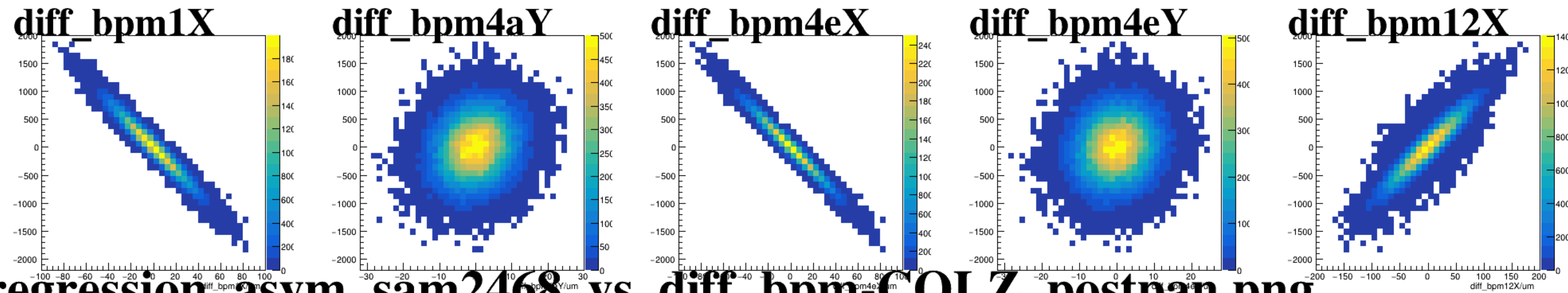
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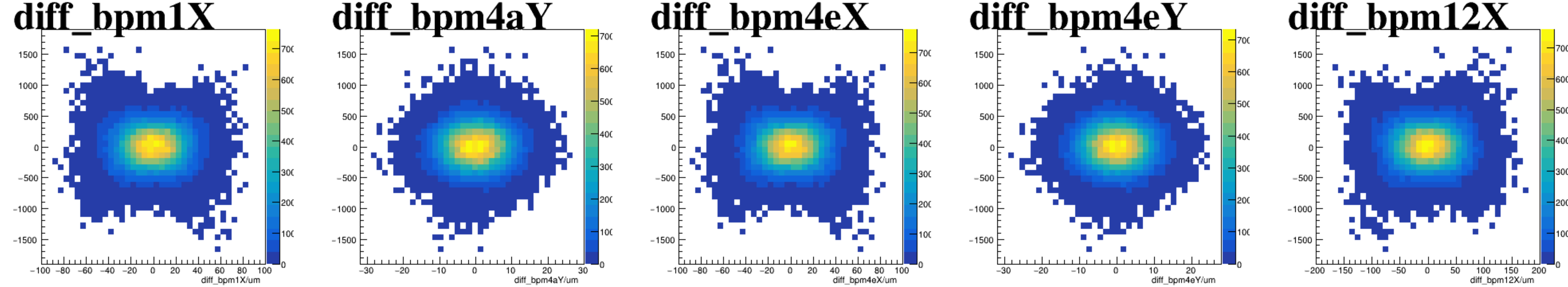
asym_sam6



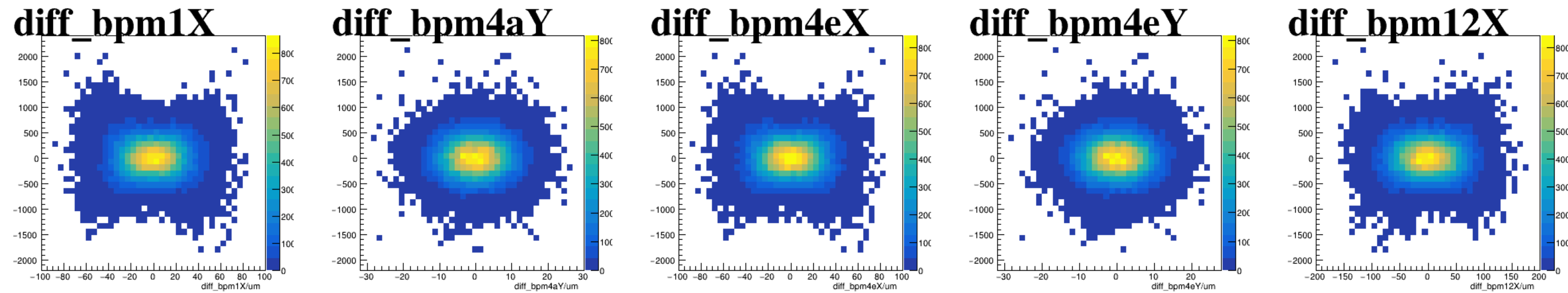
asym_sam8



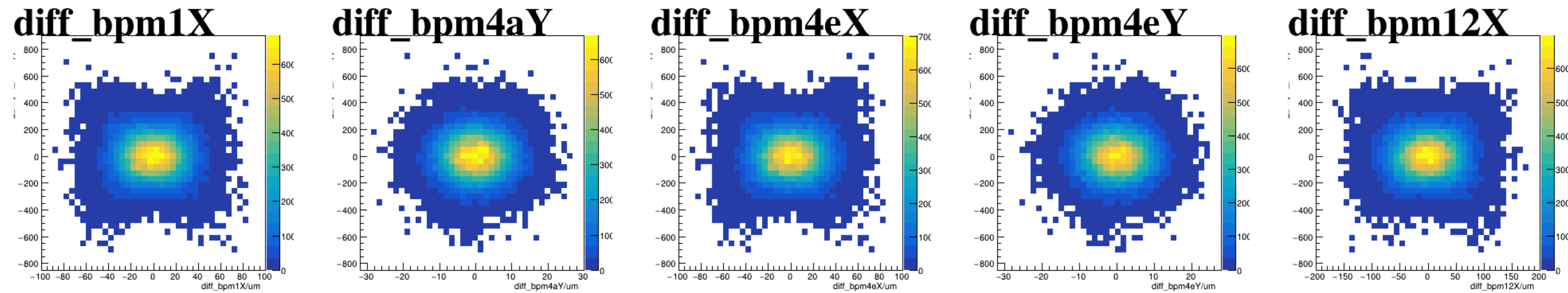
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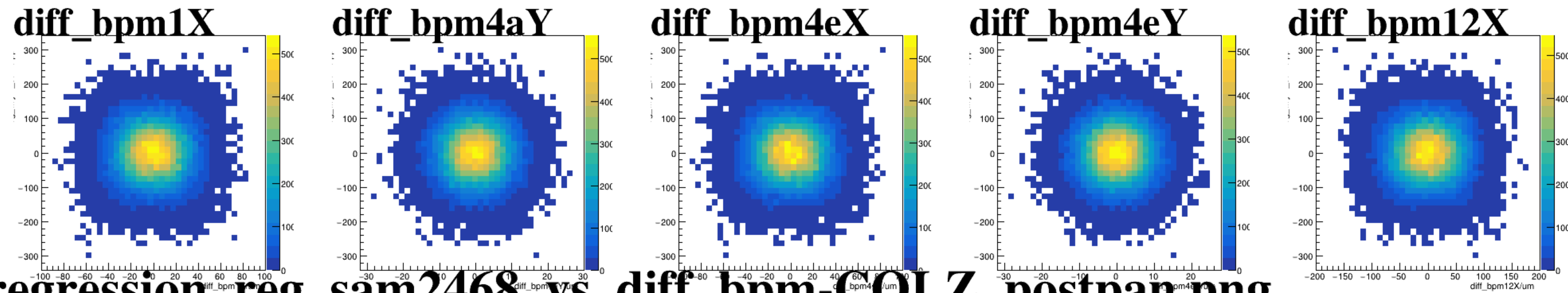
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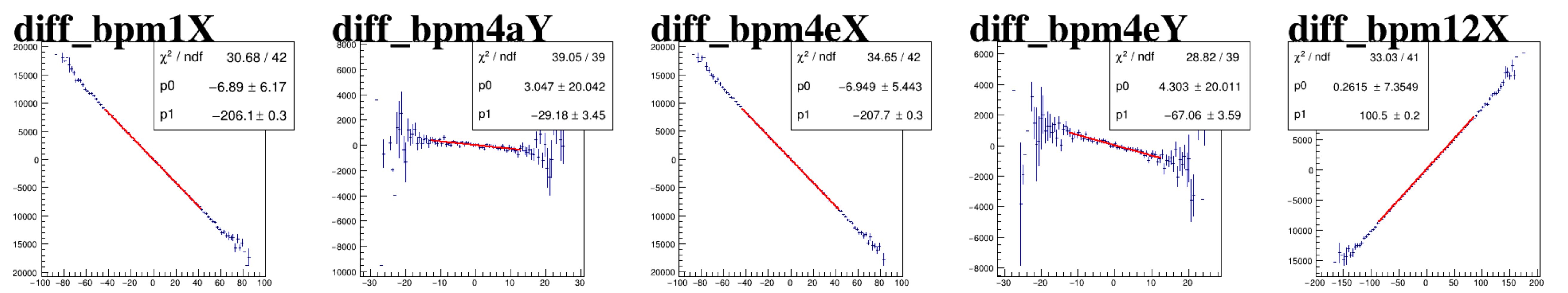
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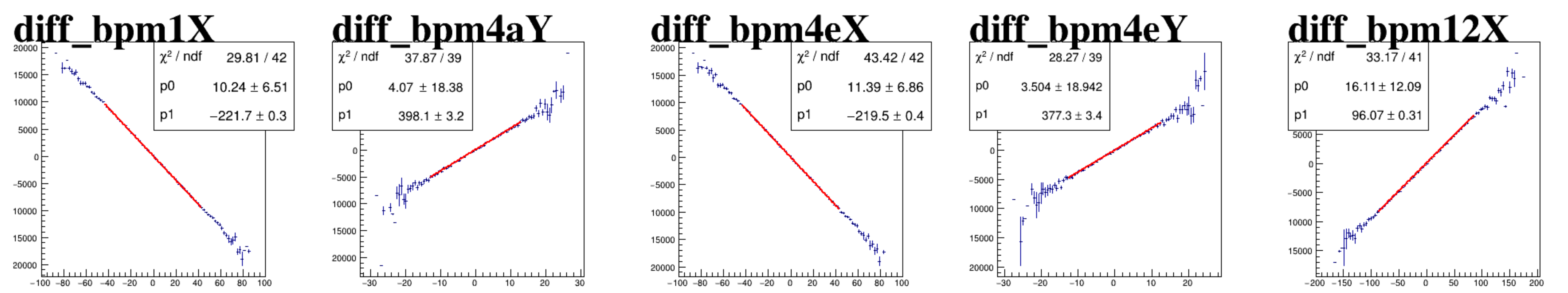
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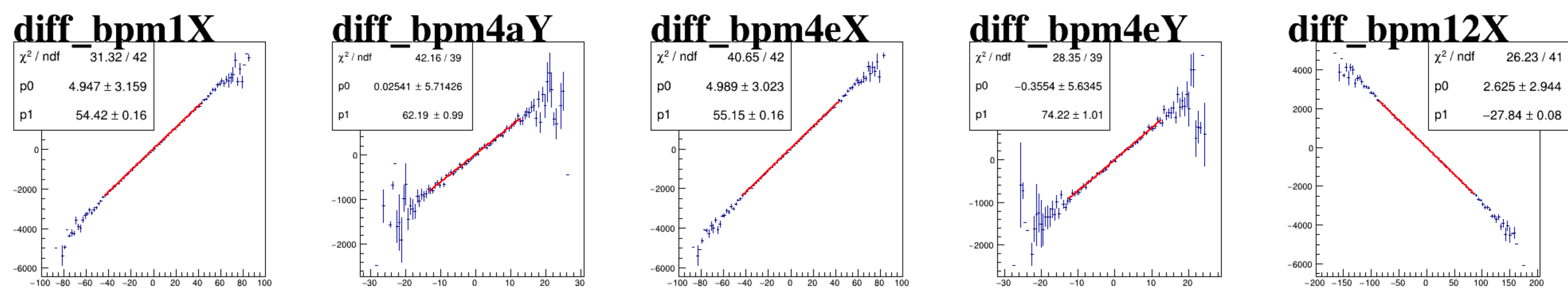
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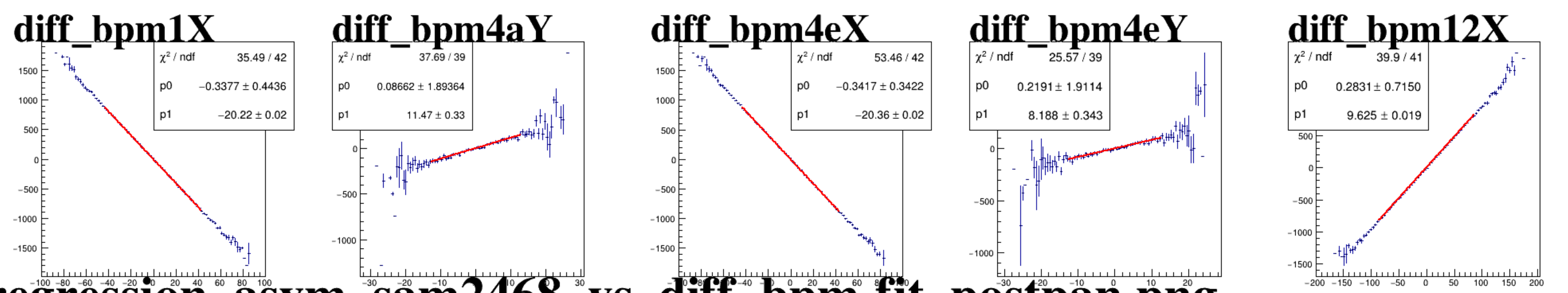
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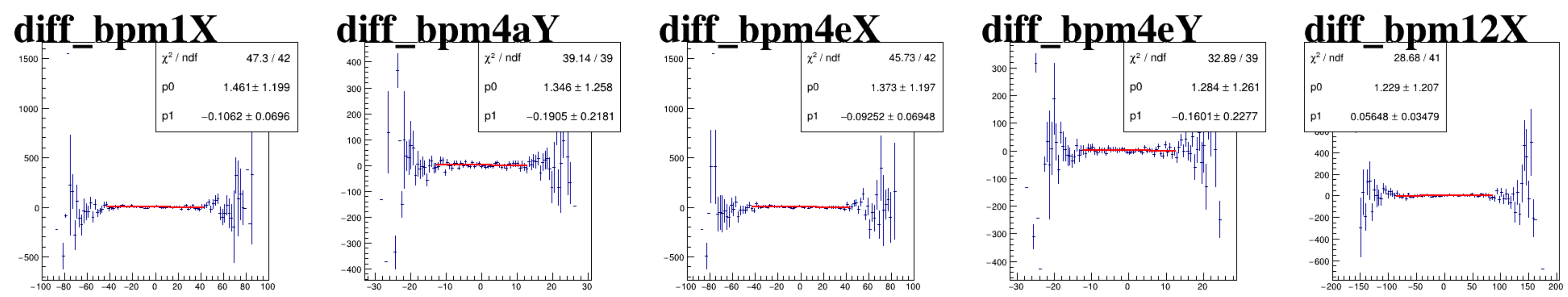
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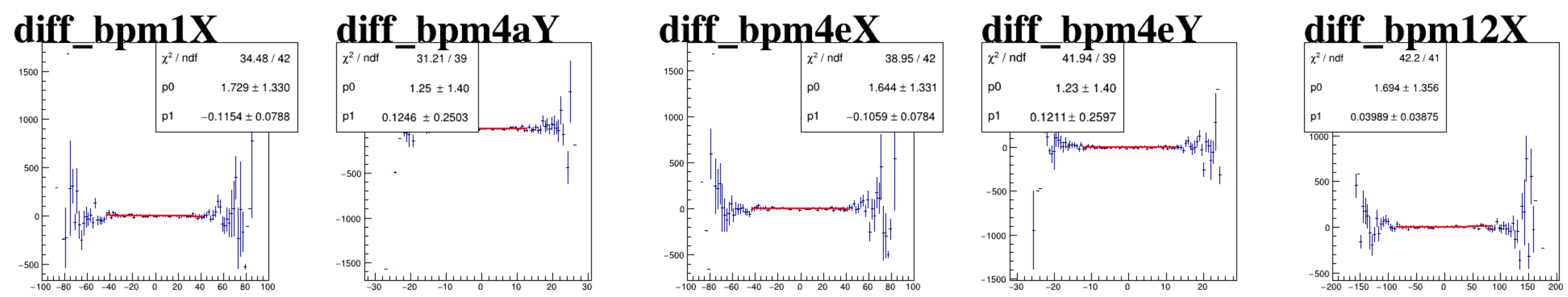
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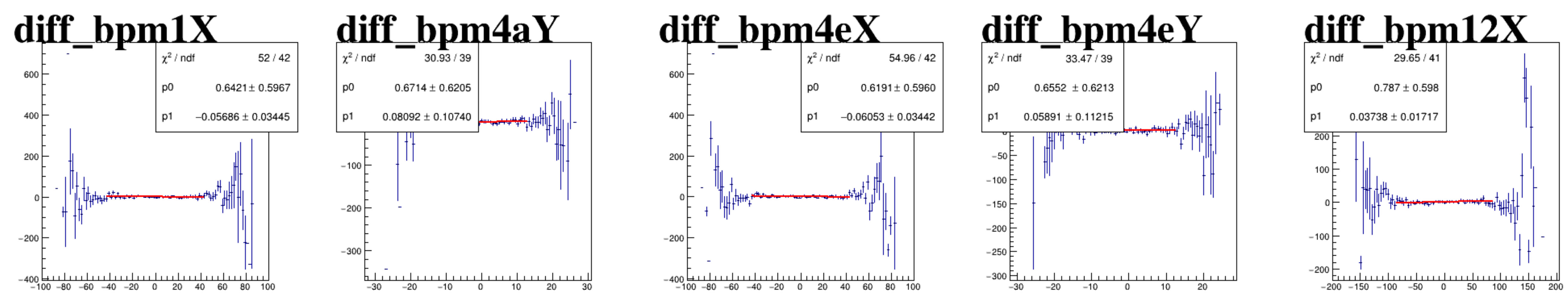
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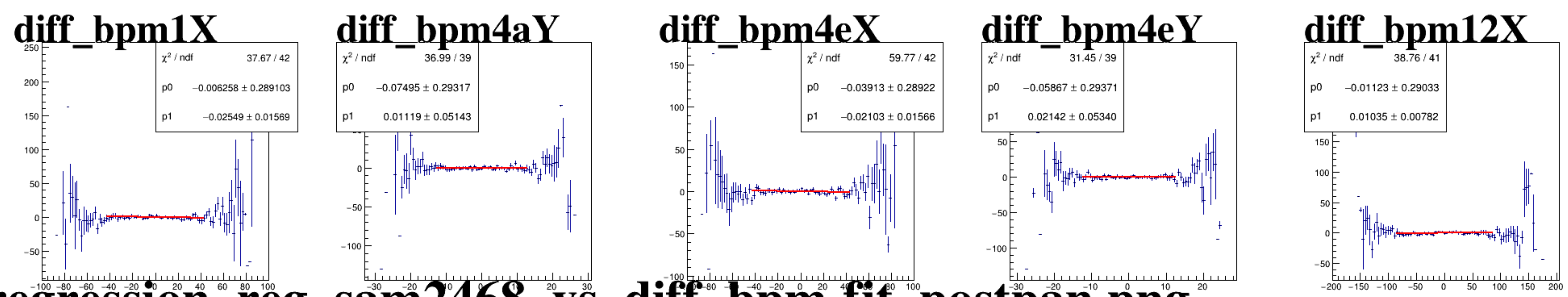
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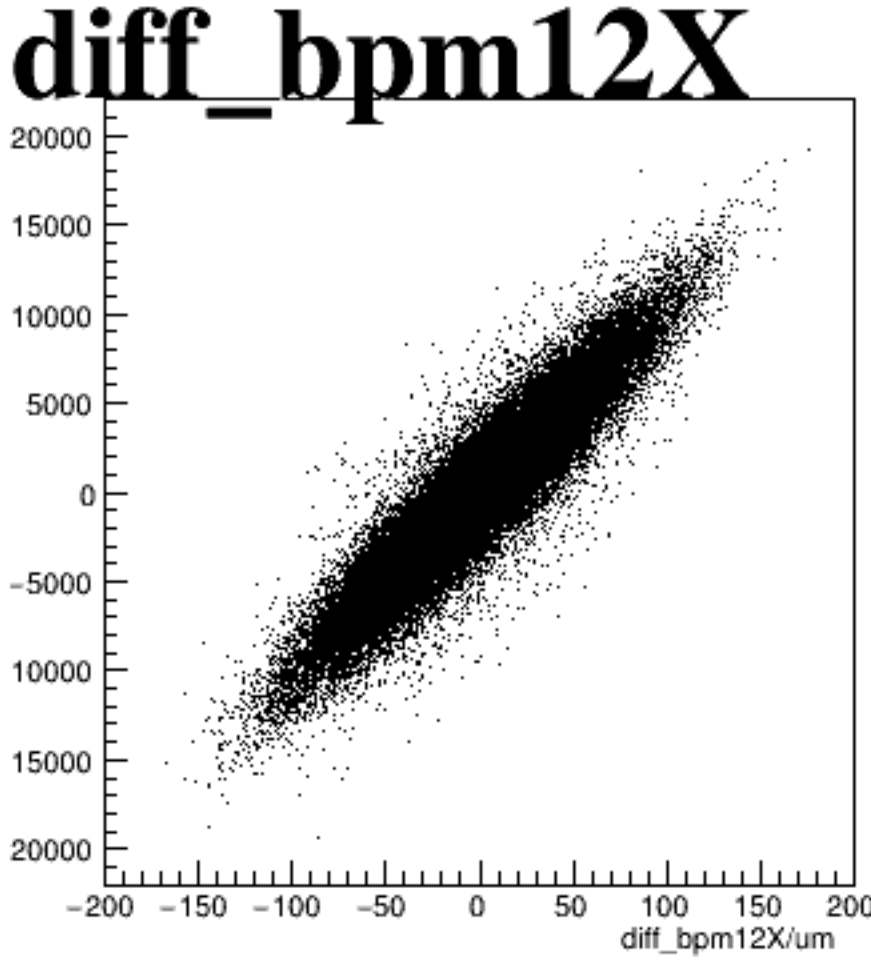
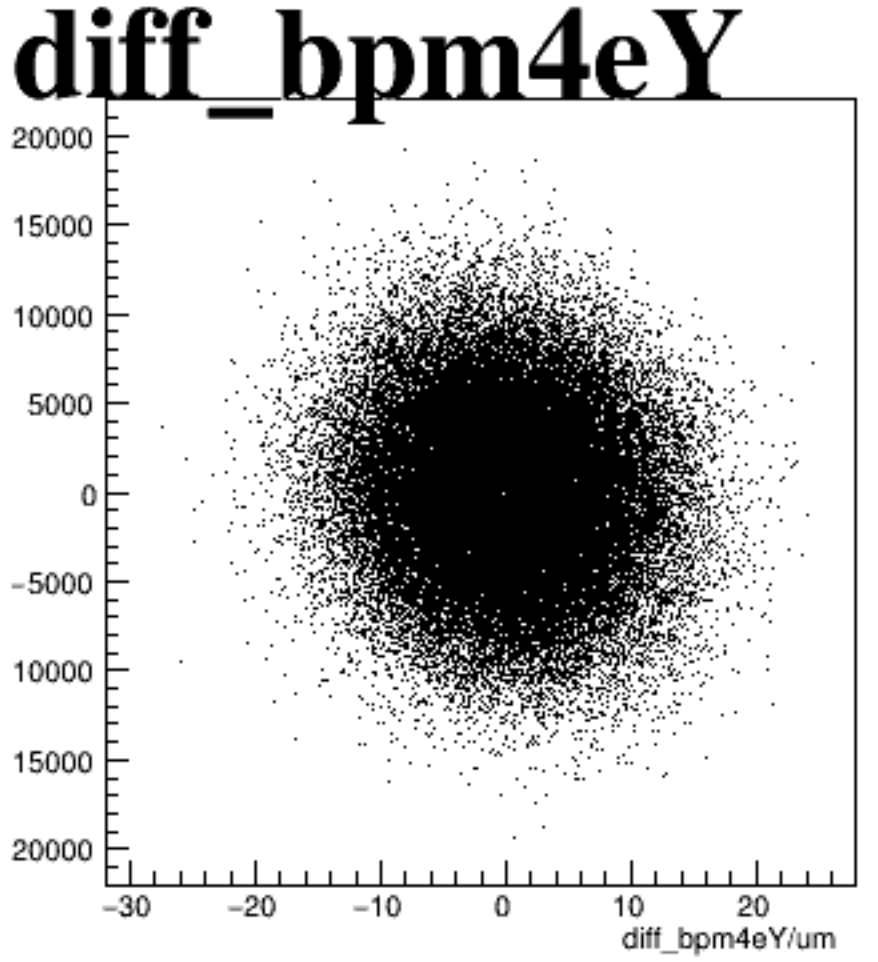
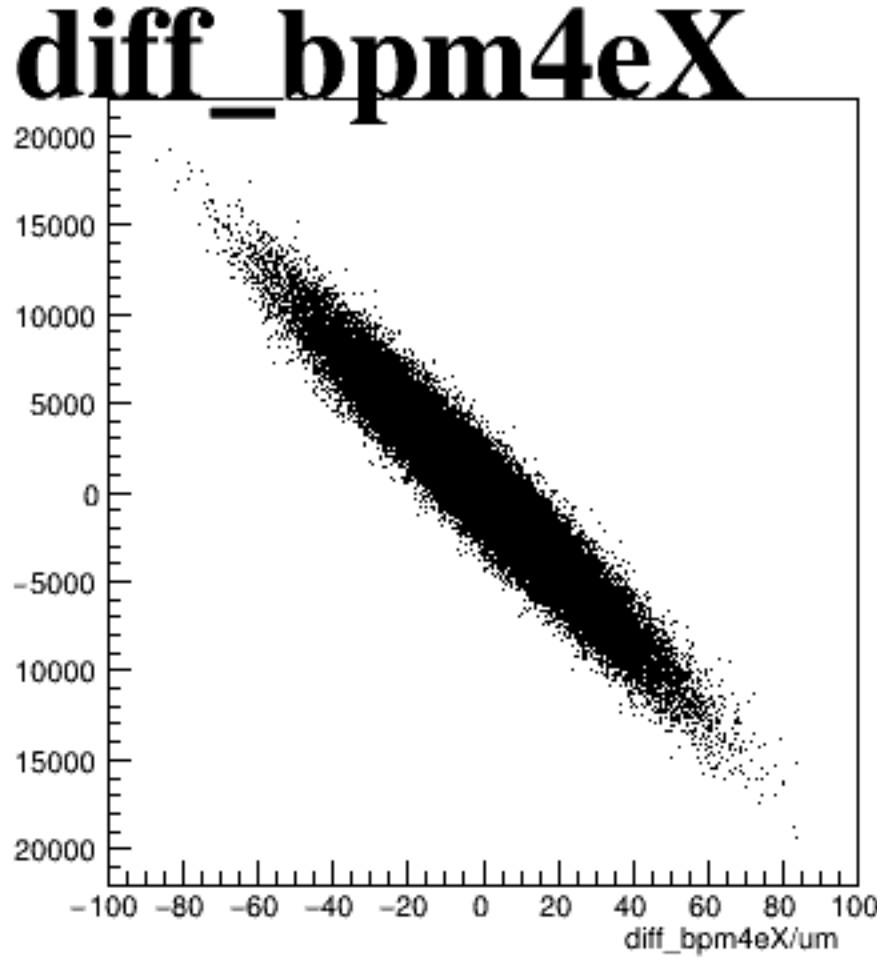
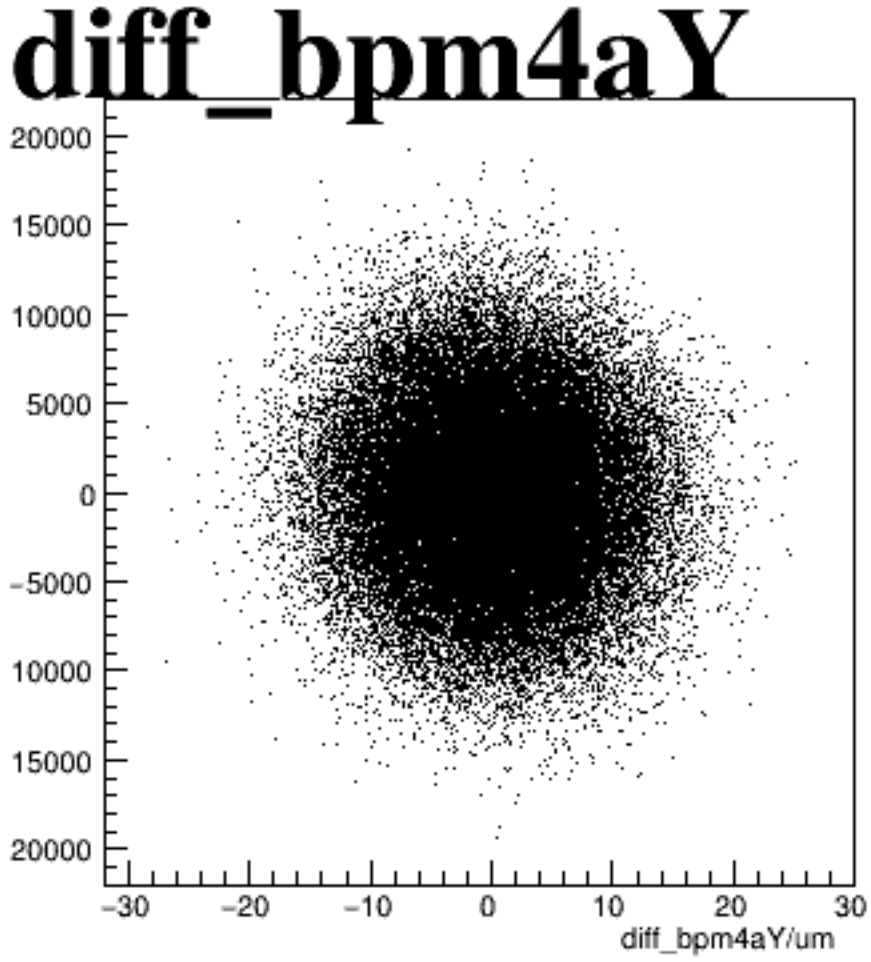
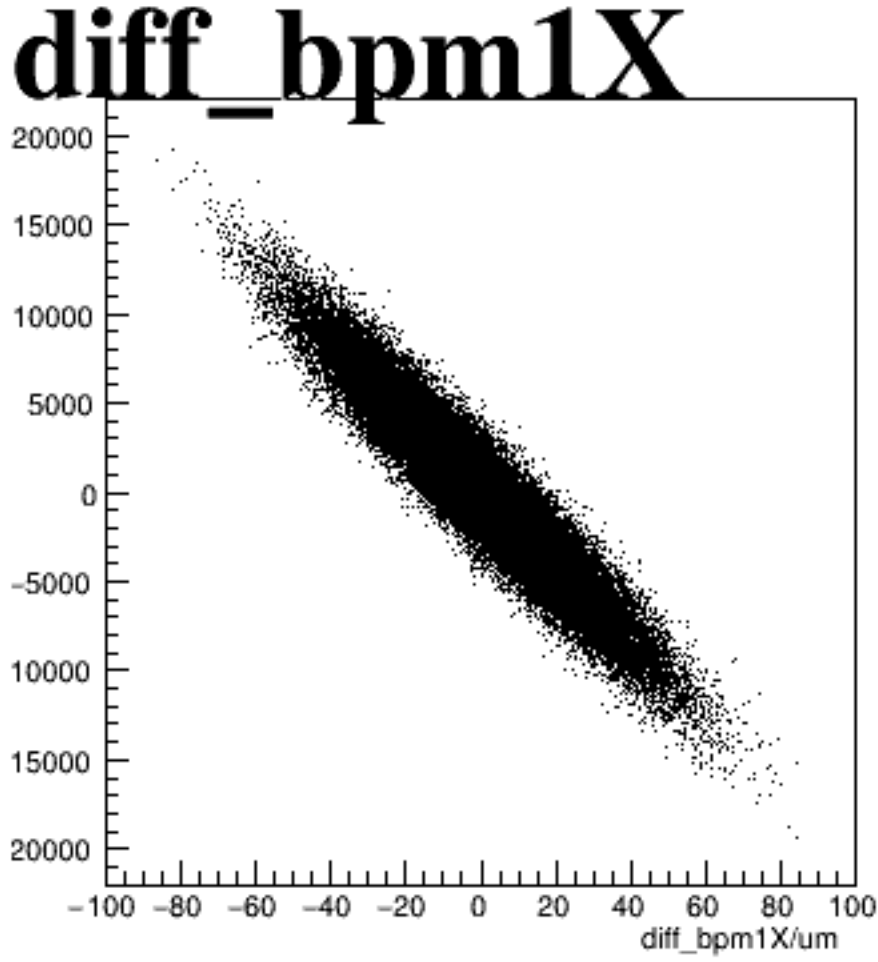
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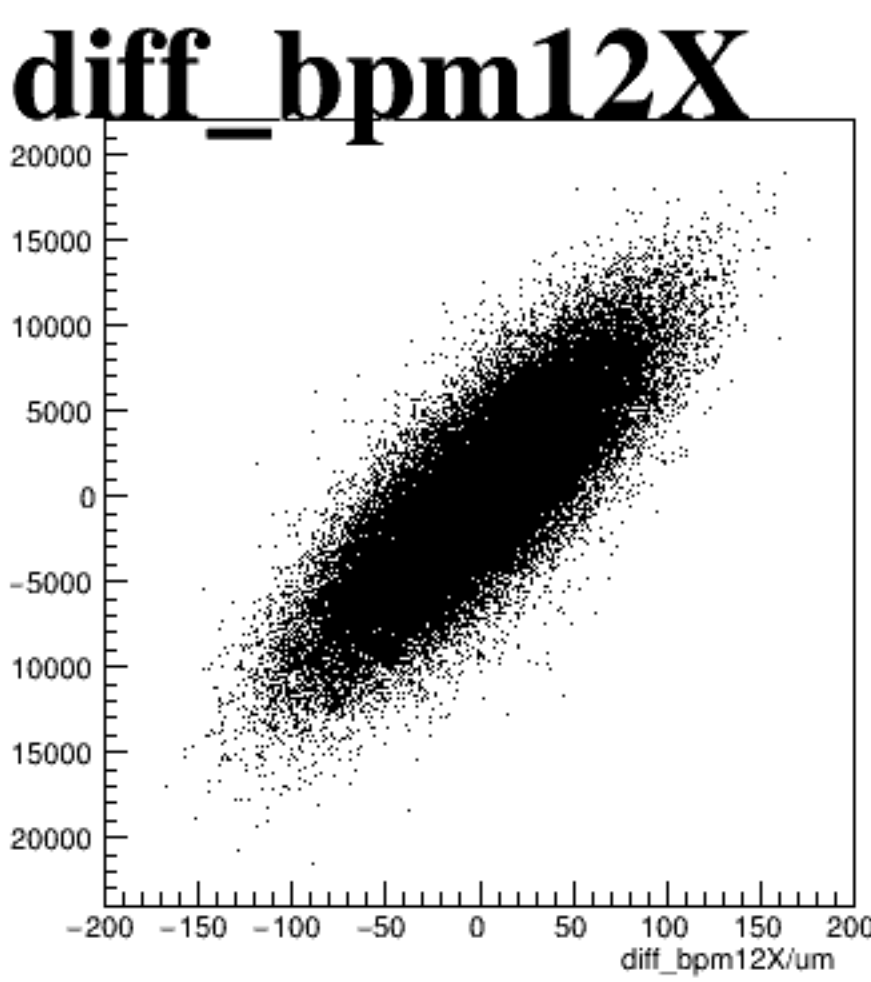
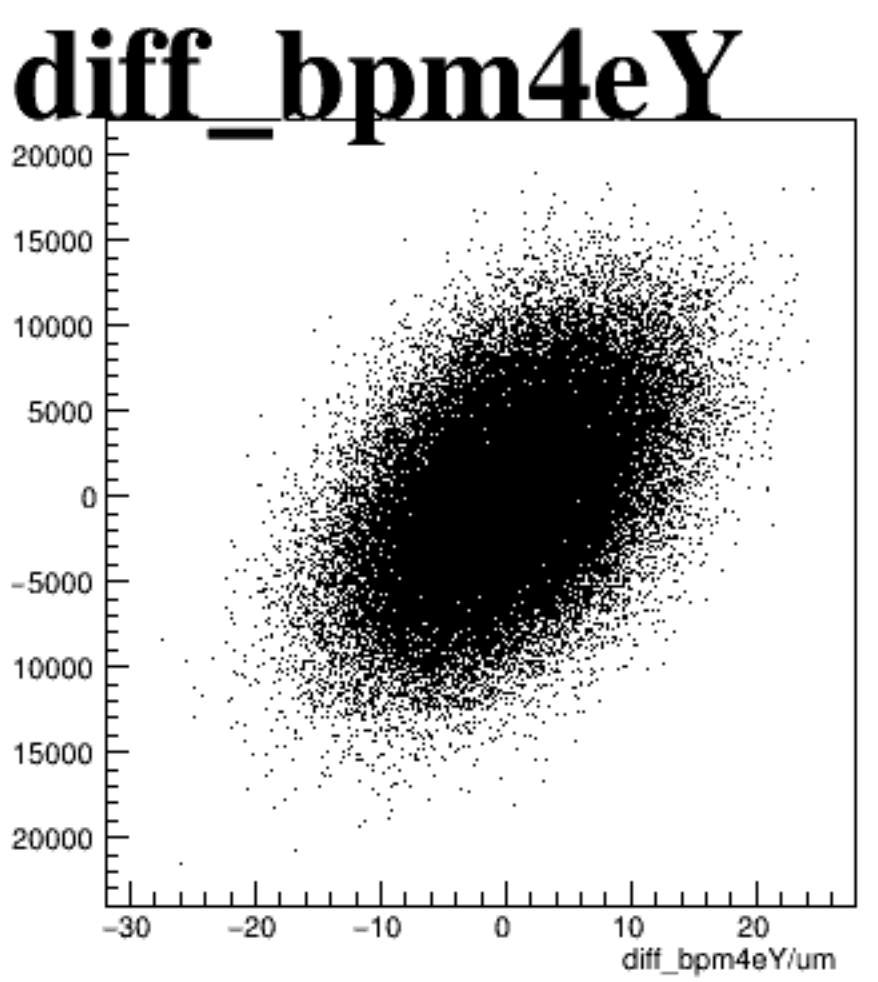
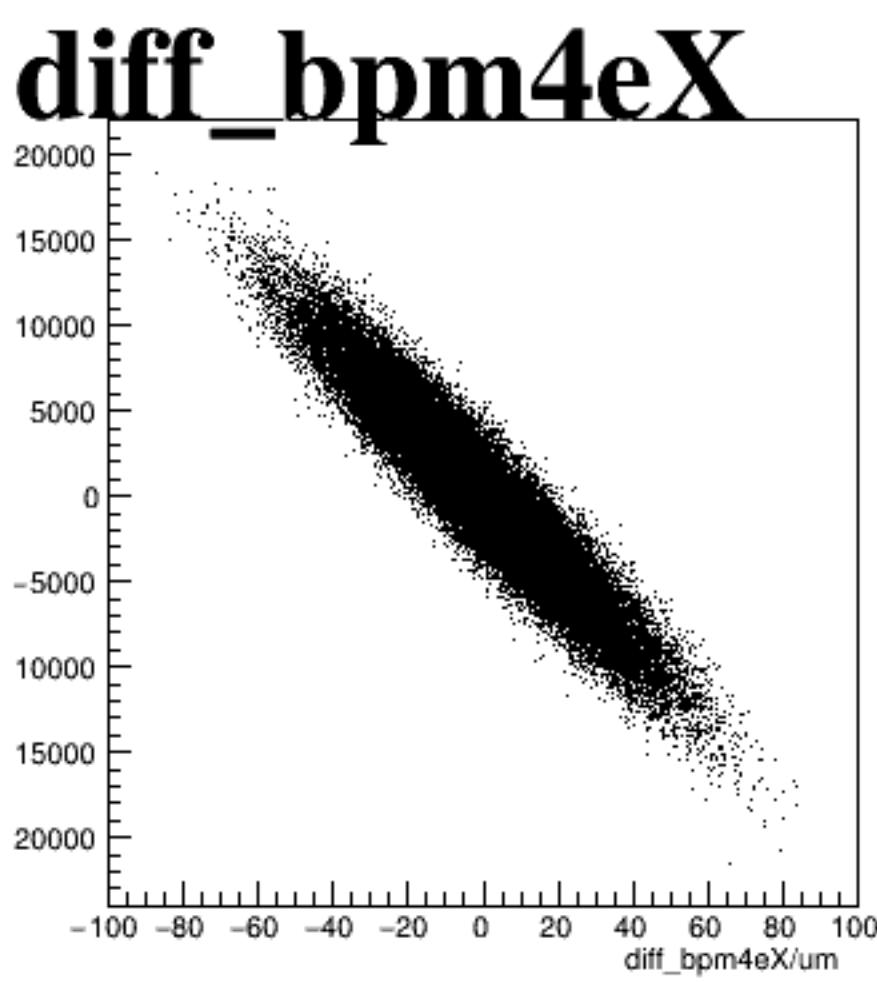
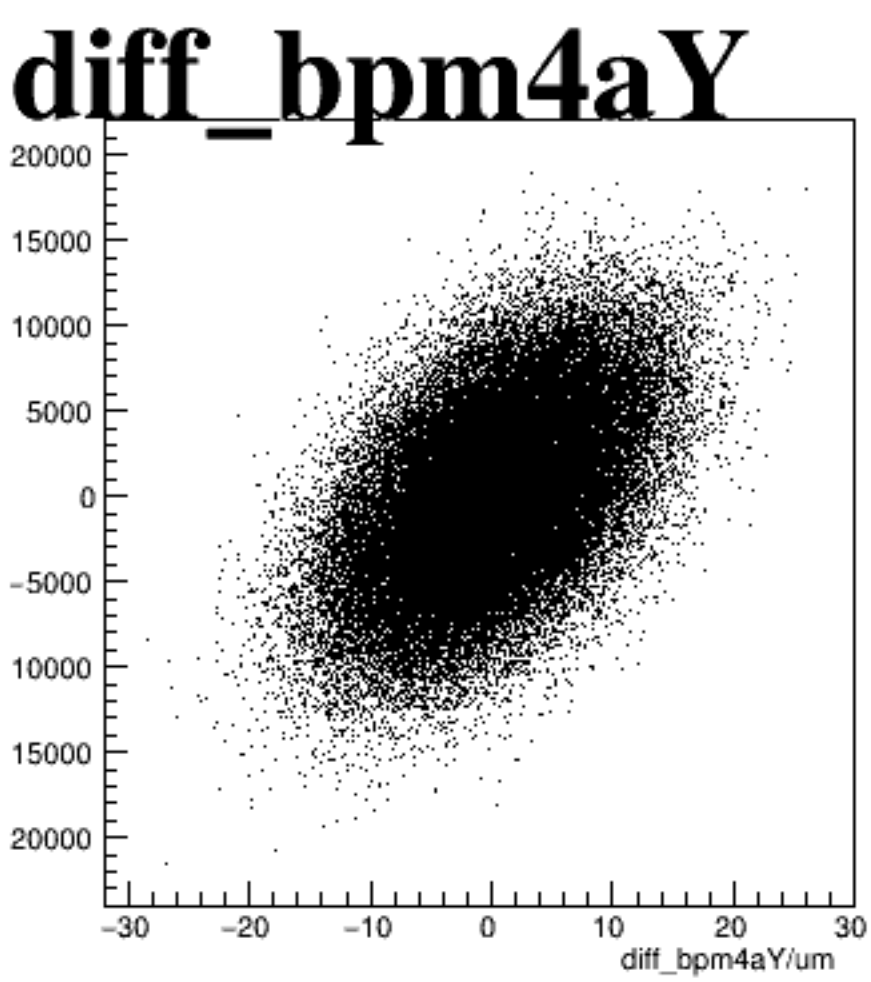
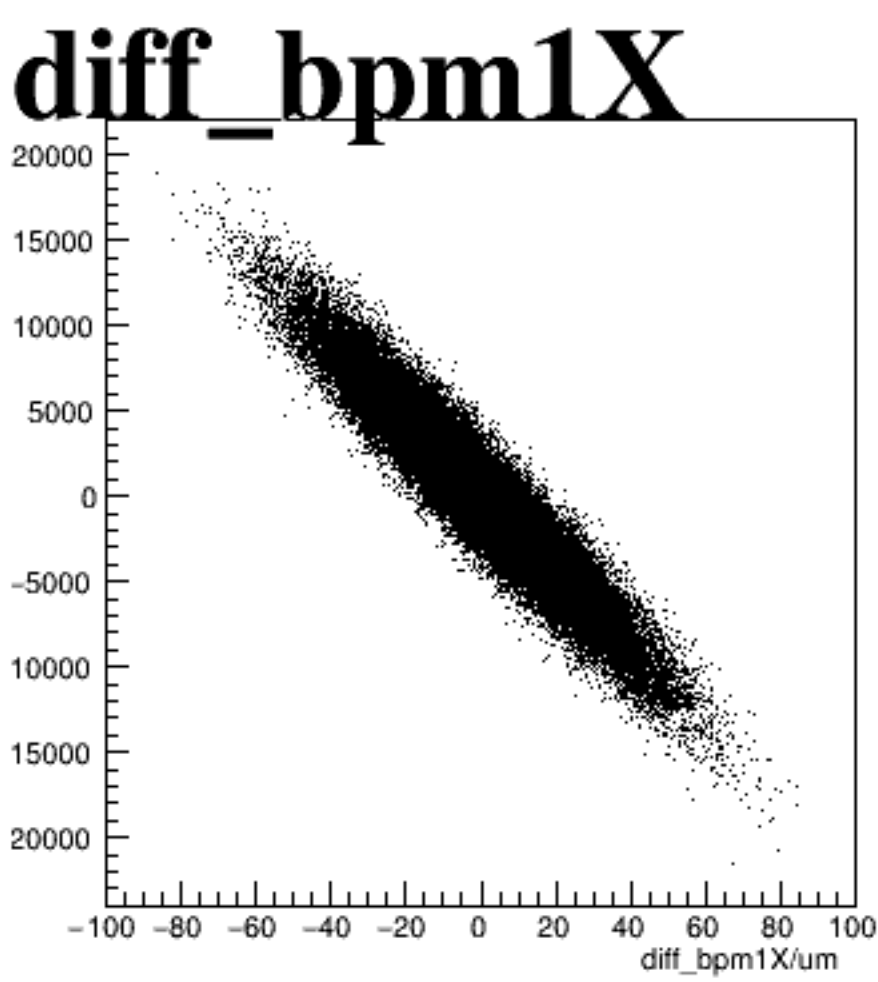
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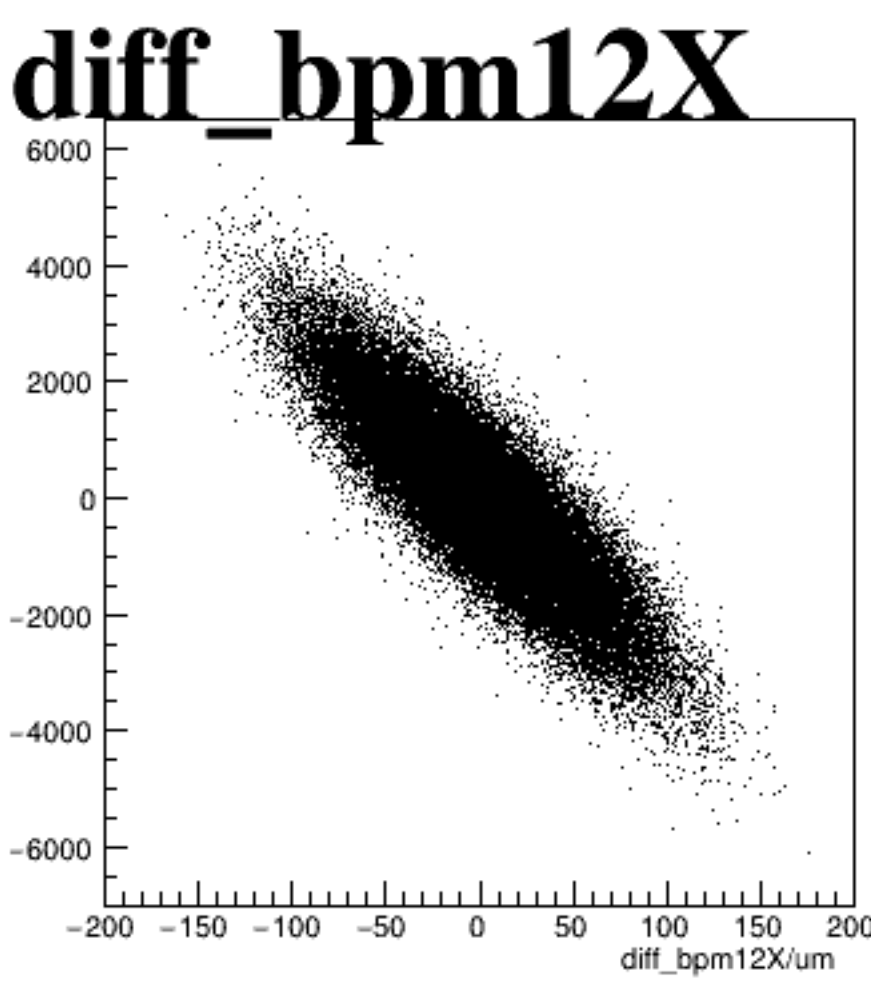
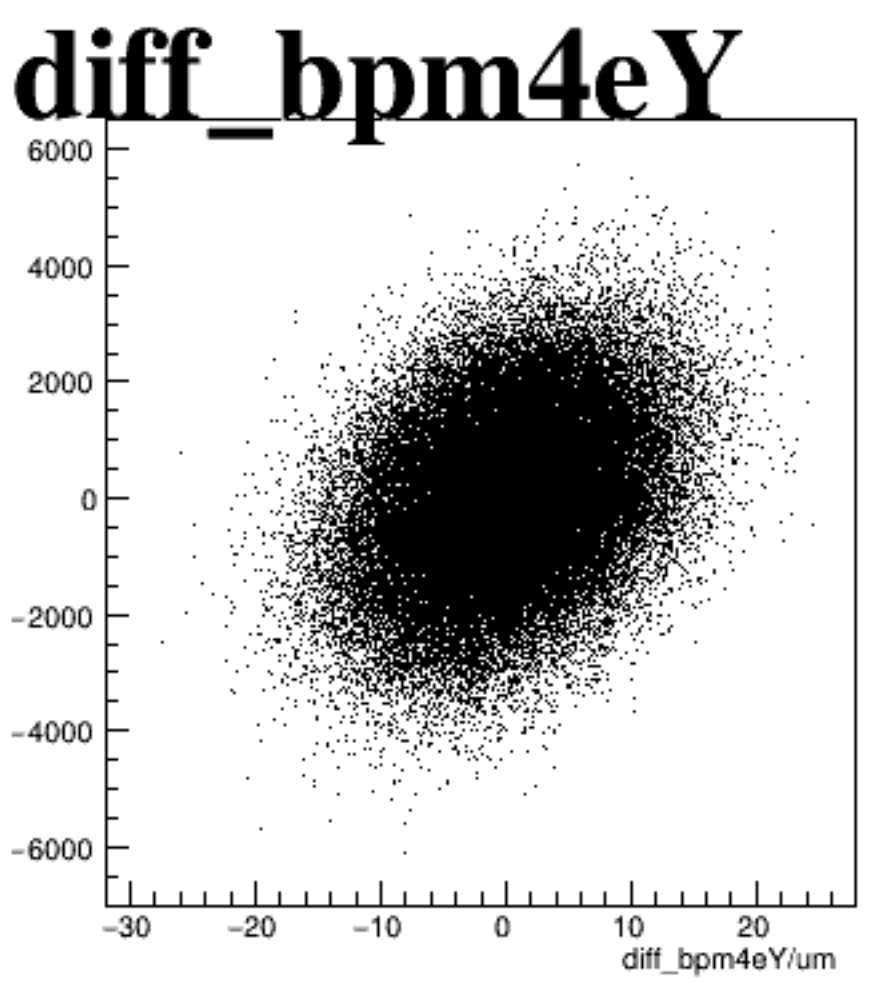
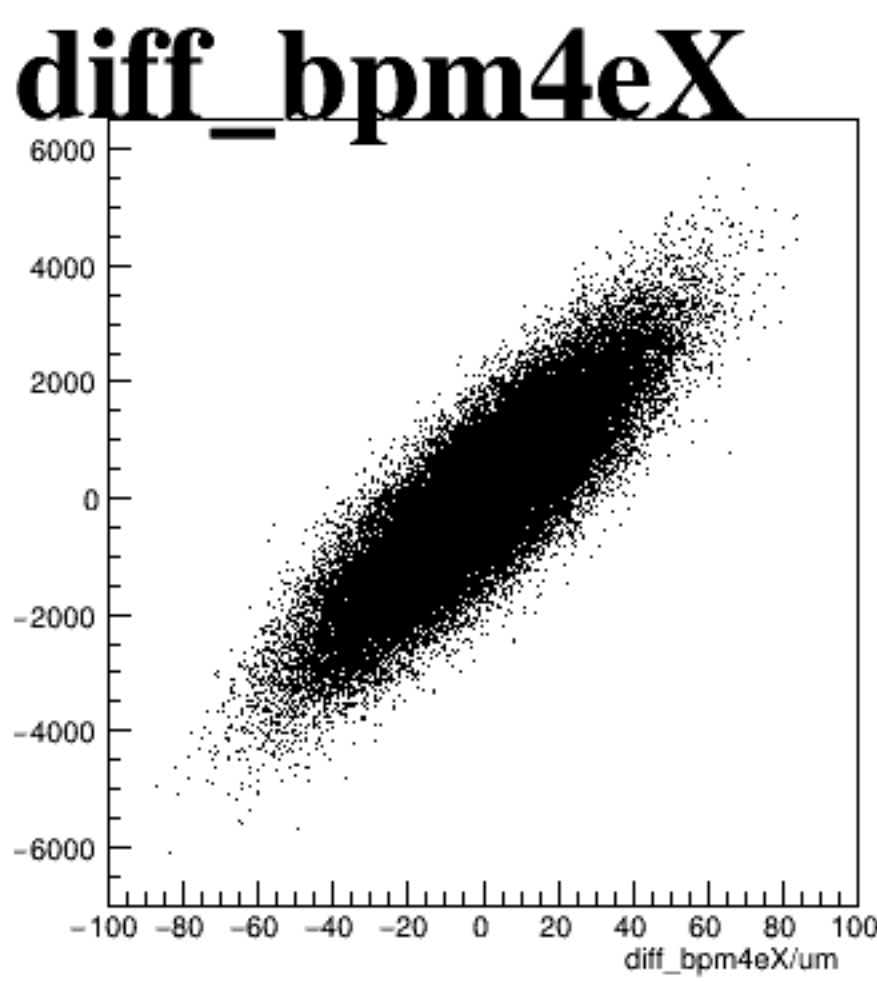
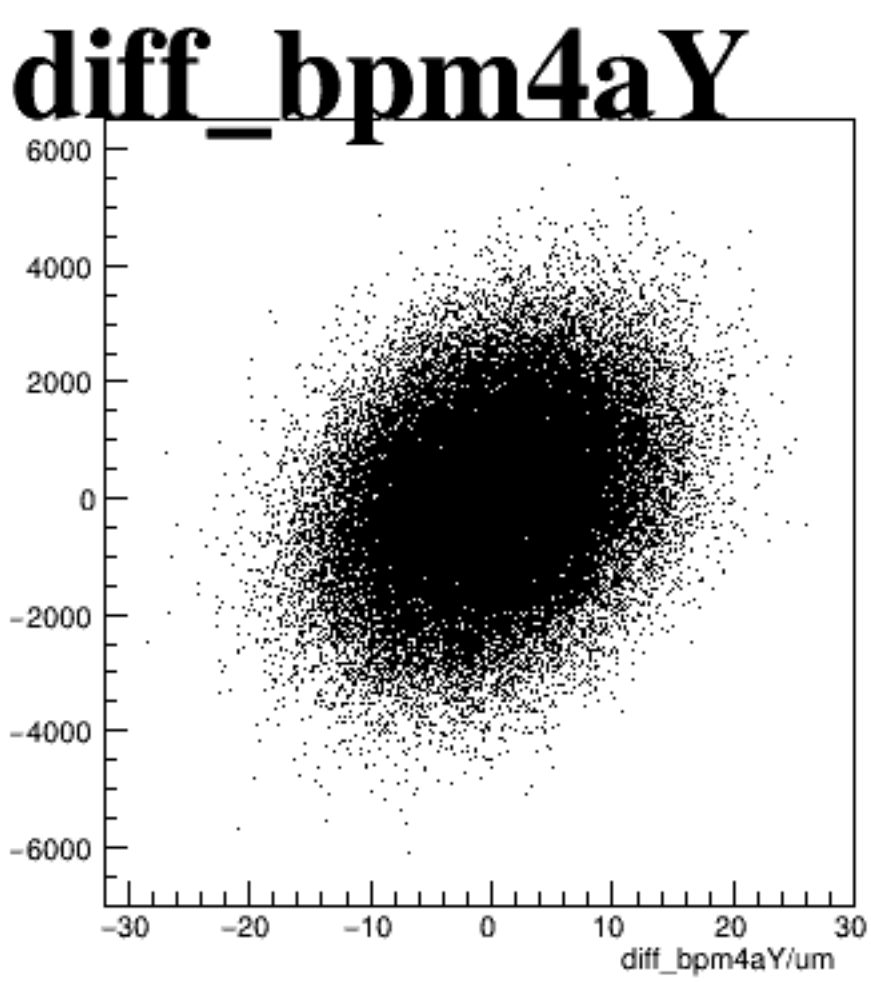
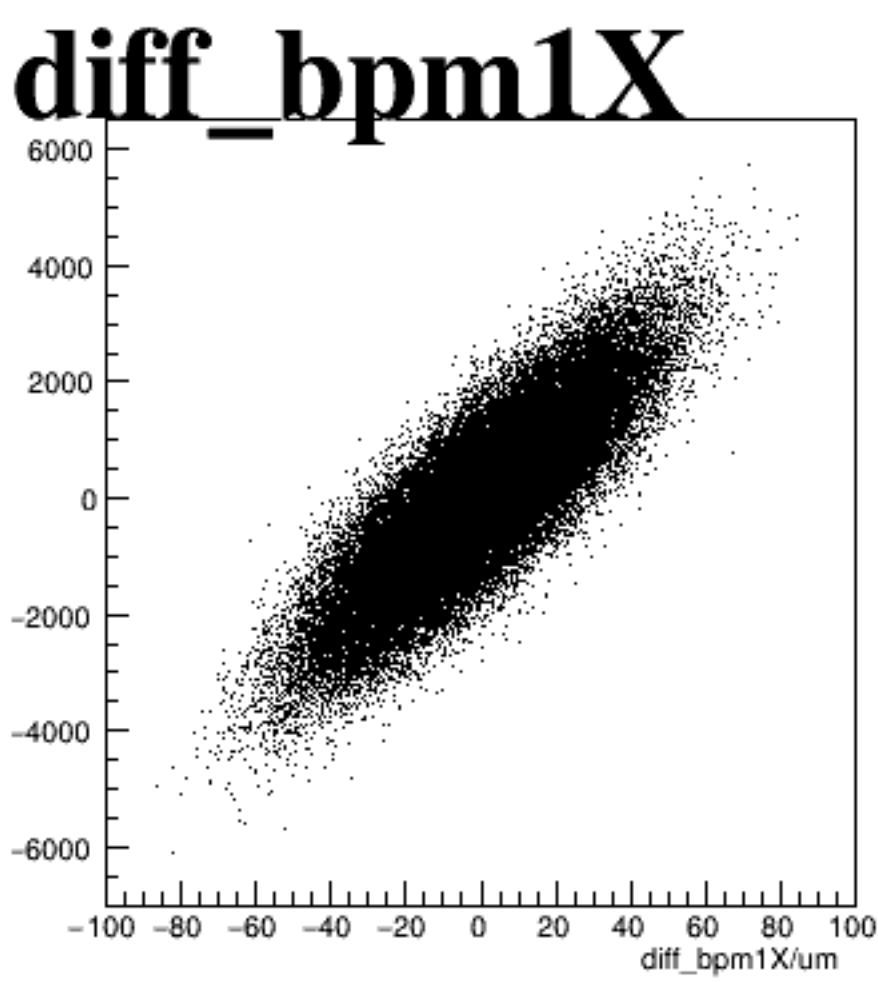
asym_sam2



asym_sam4



asym_sam6



asym_sam8

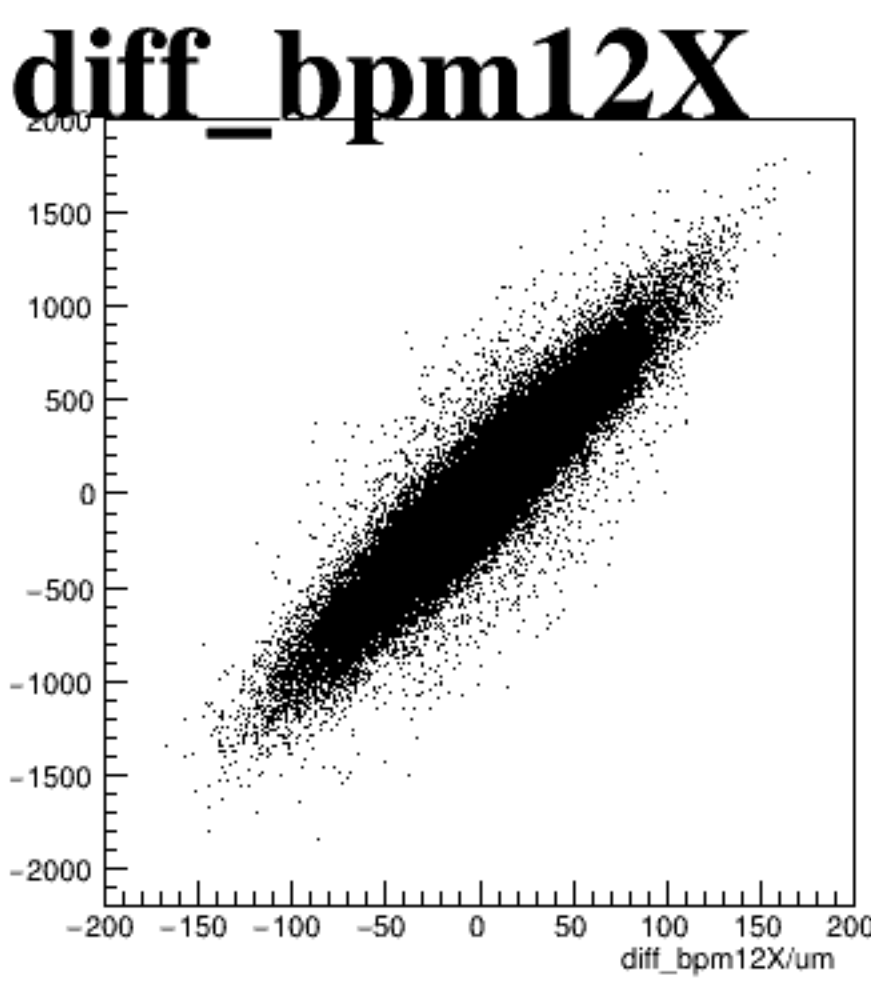
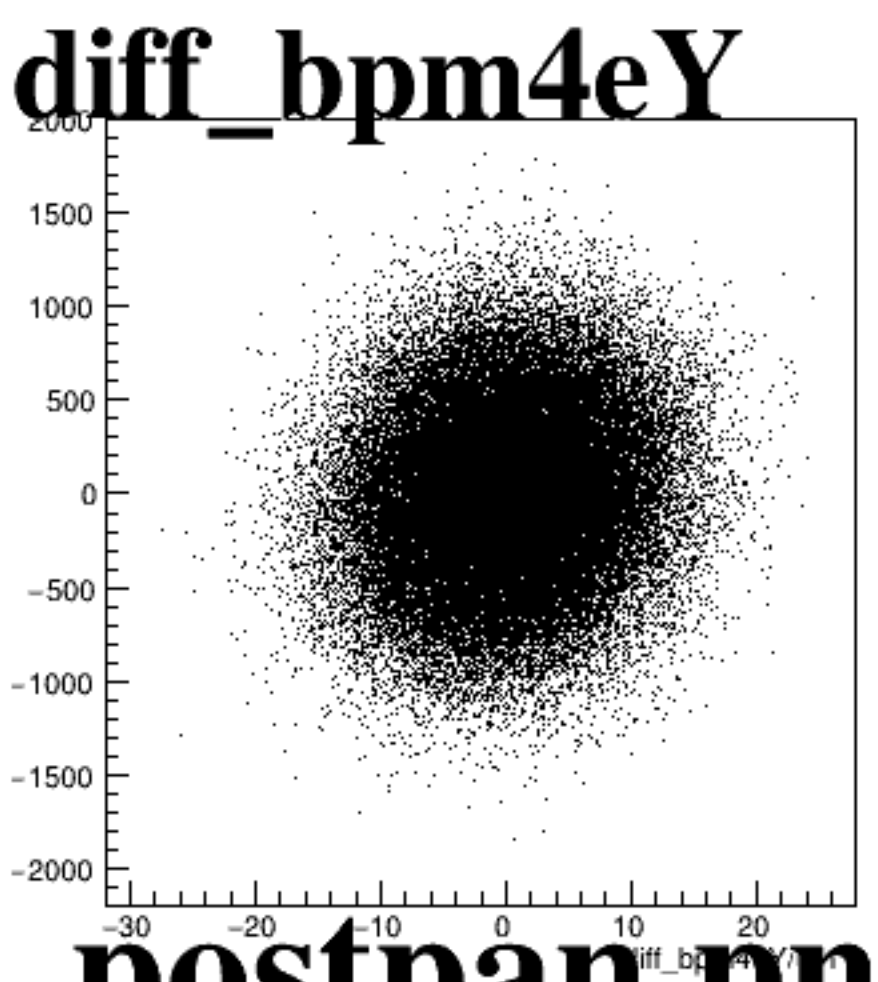
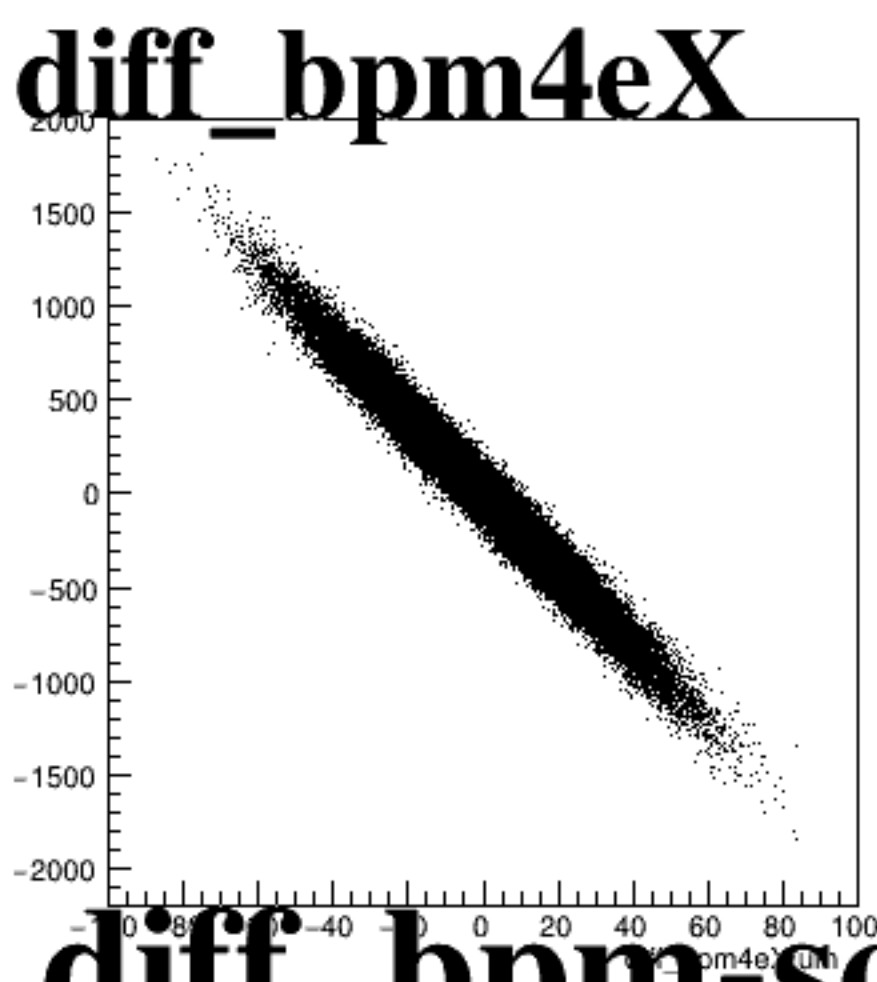
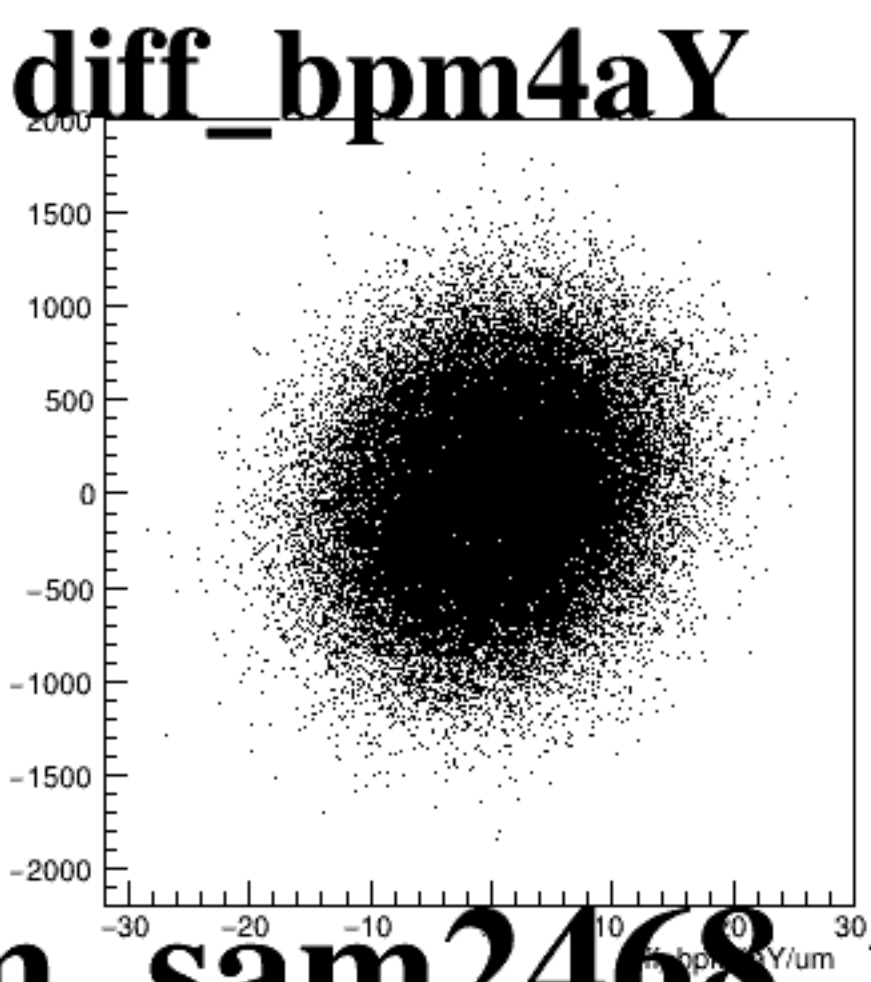
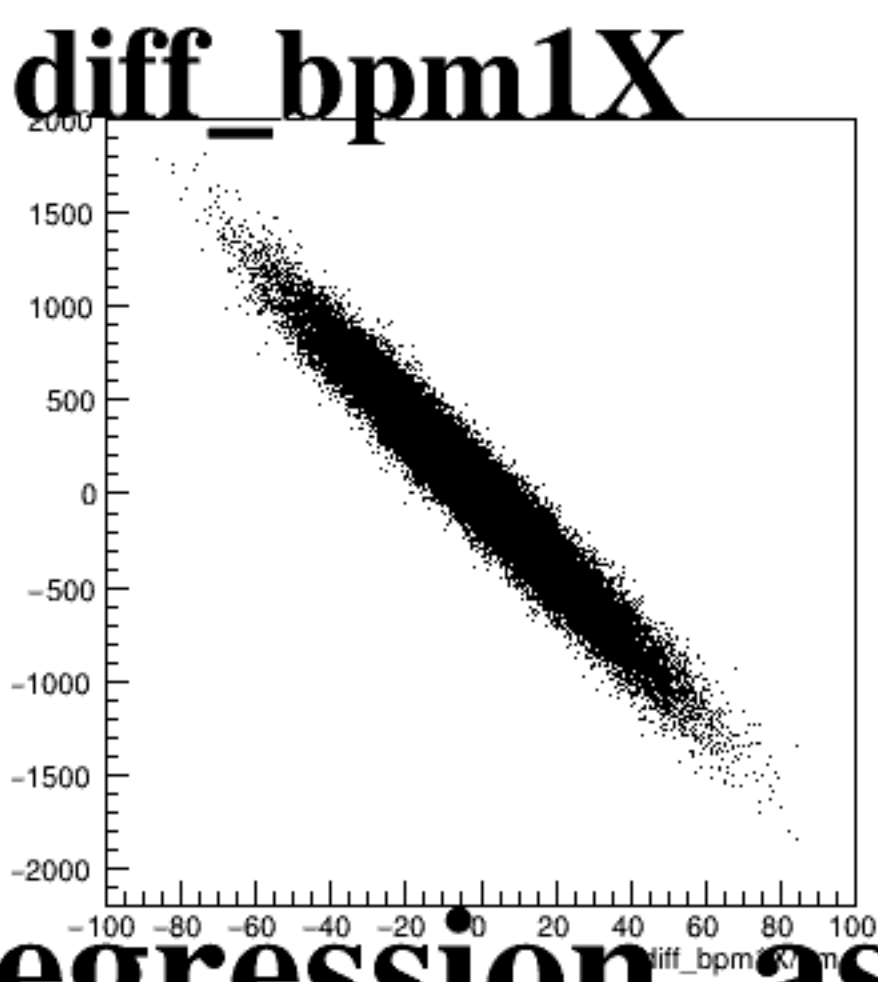
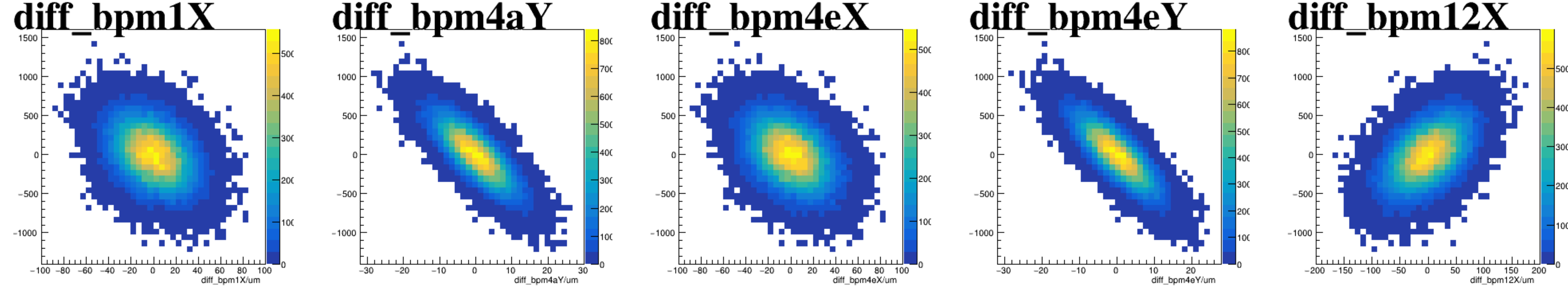
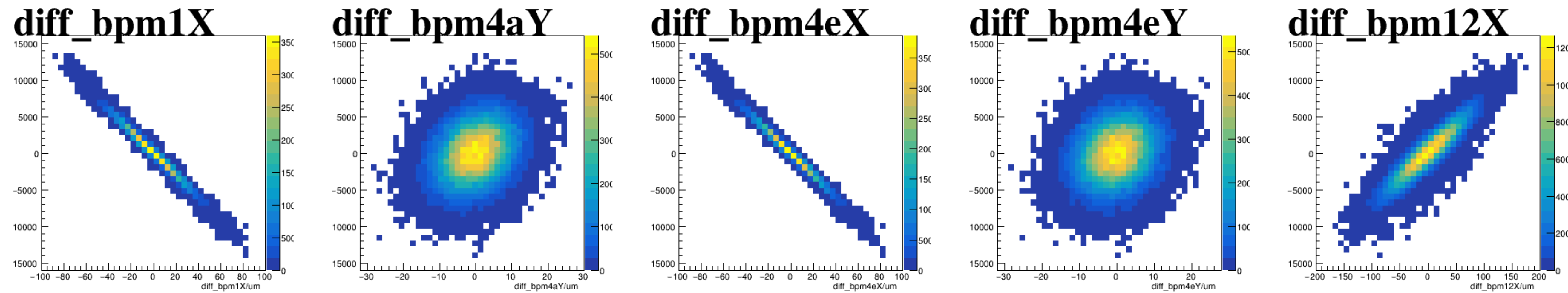


Figure 1 displays five scatter plots comparing the difference between BPM1 and BPM4a for various parameters. The plots are titled: **diff_bpm1X**, **diff_bpm4aY**, **diff_bpm4eX**, **diff_bpm4eY**, and **diff_bpm12X**. Each plot shows a dense cloud of points centered around zero, indicating good agreement between the two methods. The axes for each plot are labeled with the parameter name and the difference value.

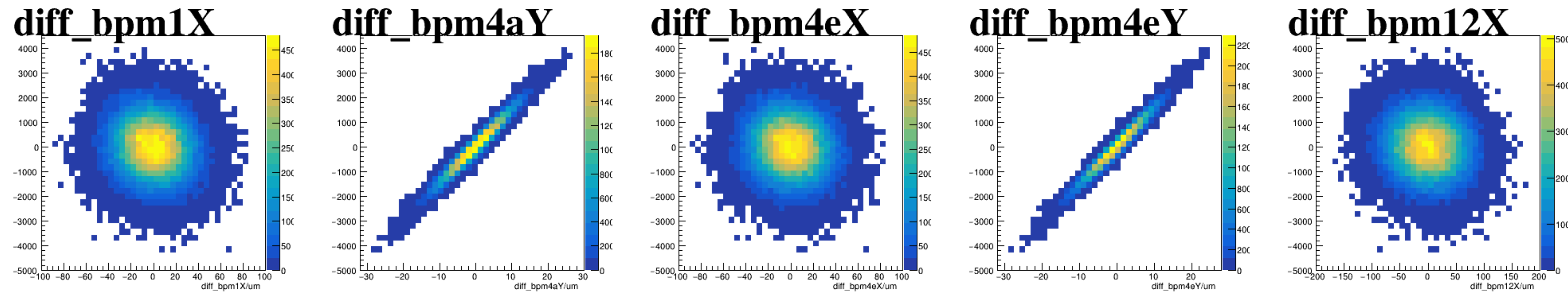
asym_sam1



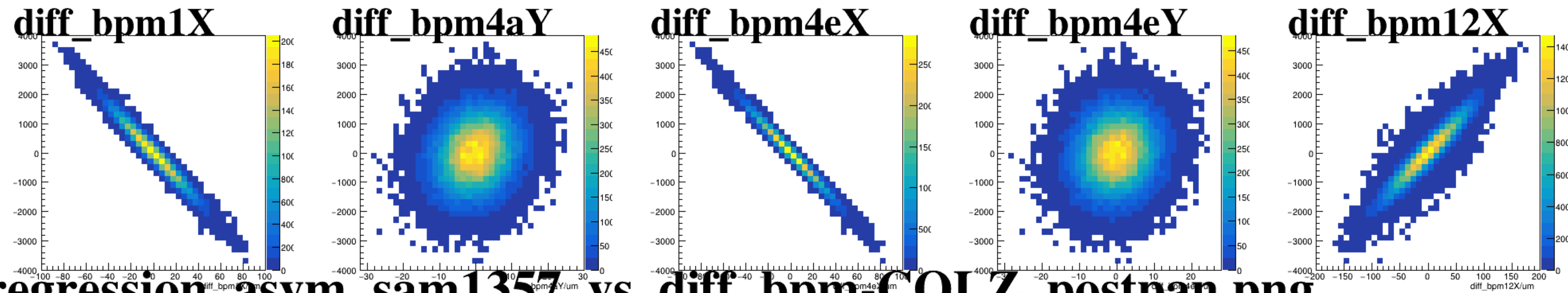
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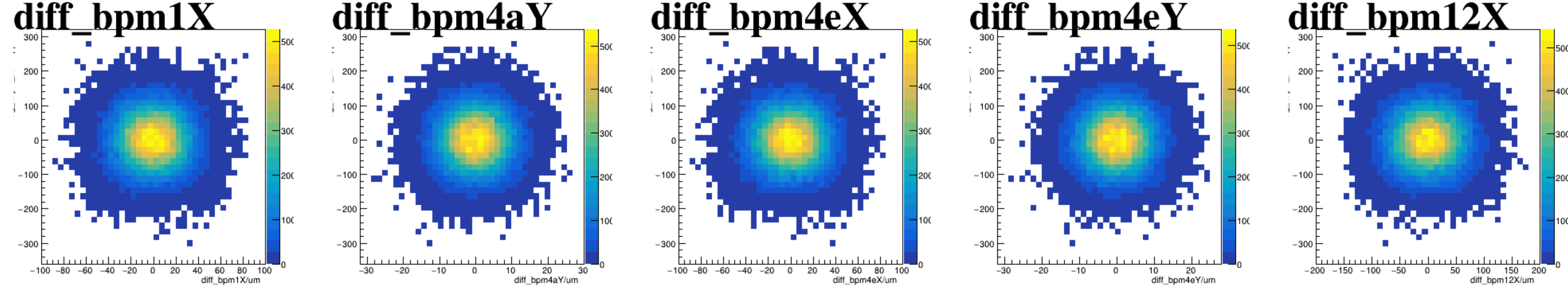
asym_sam5



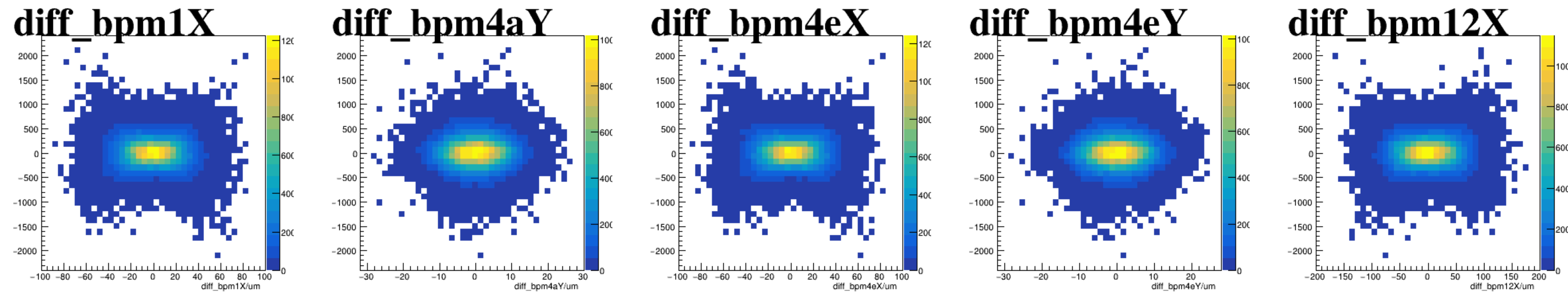
asym_sam7



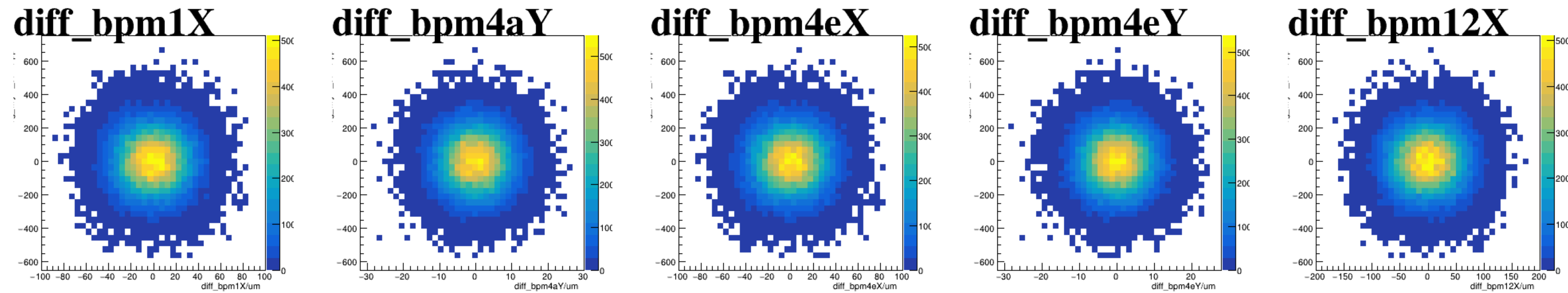
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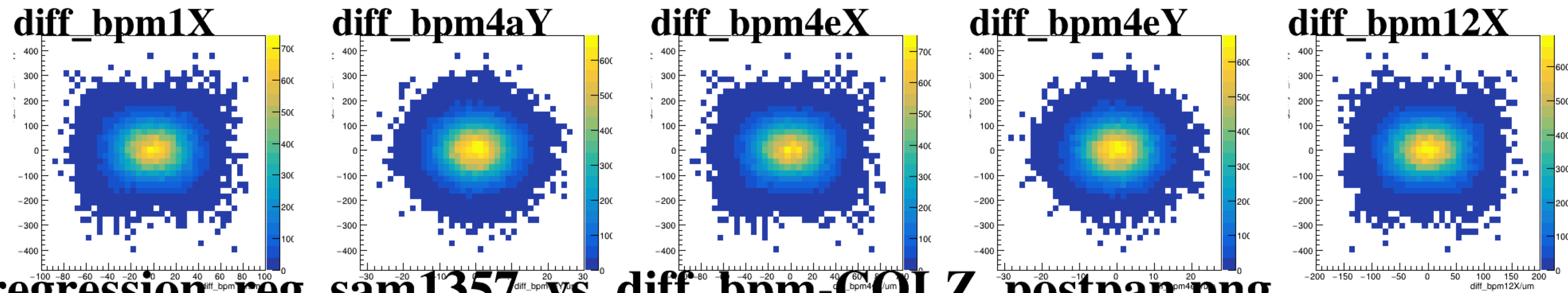
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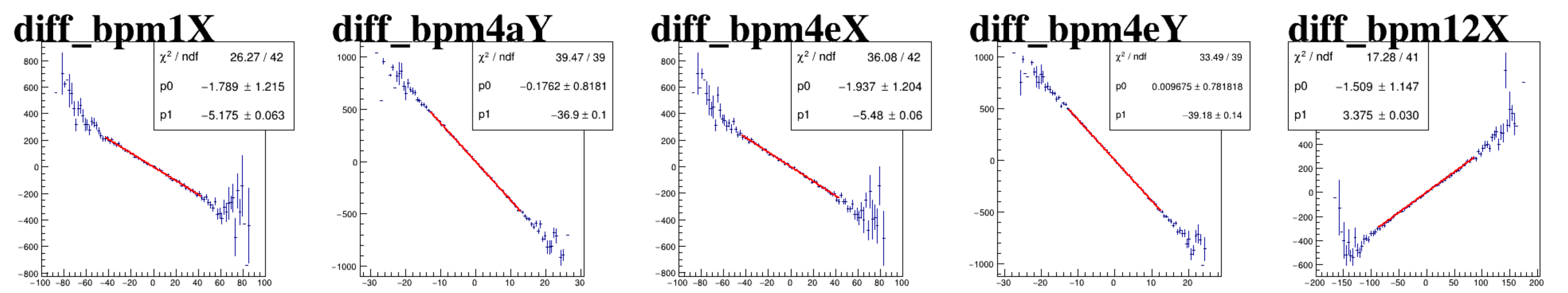
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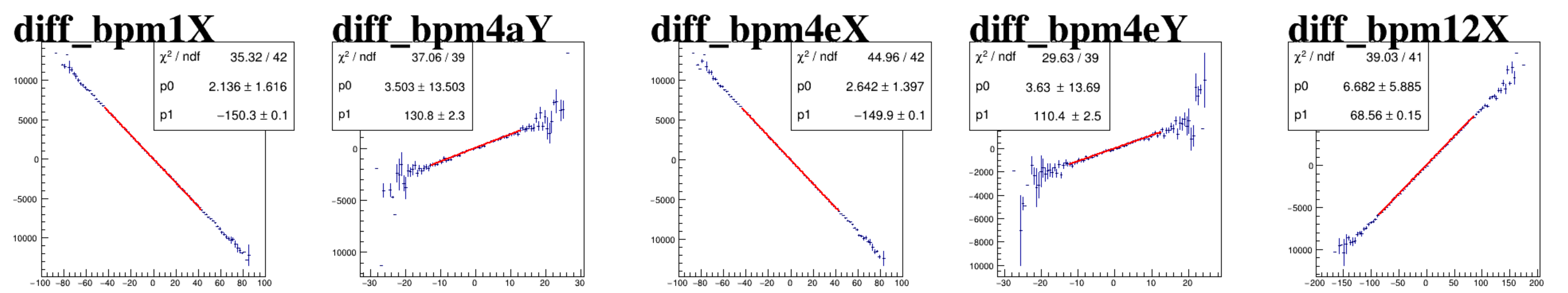
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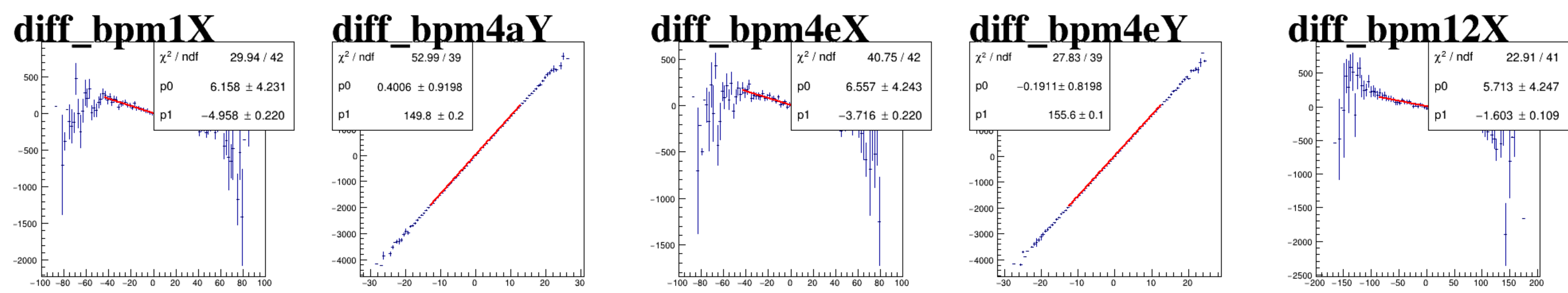
asym_sam1



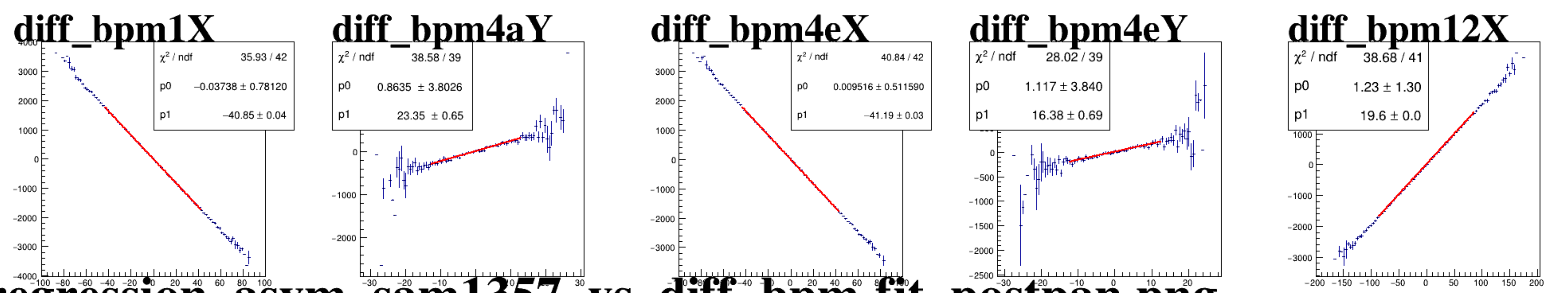
asym_sam3



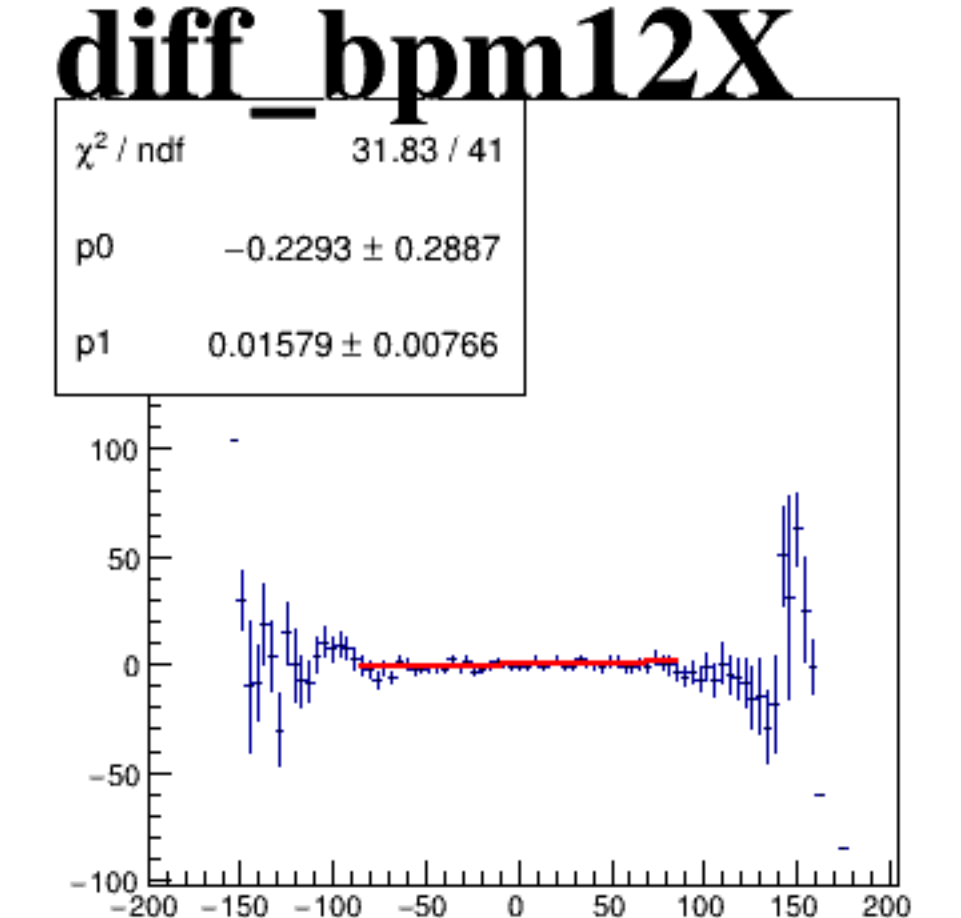
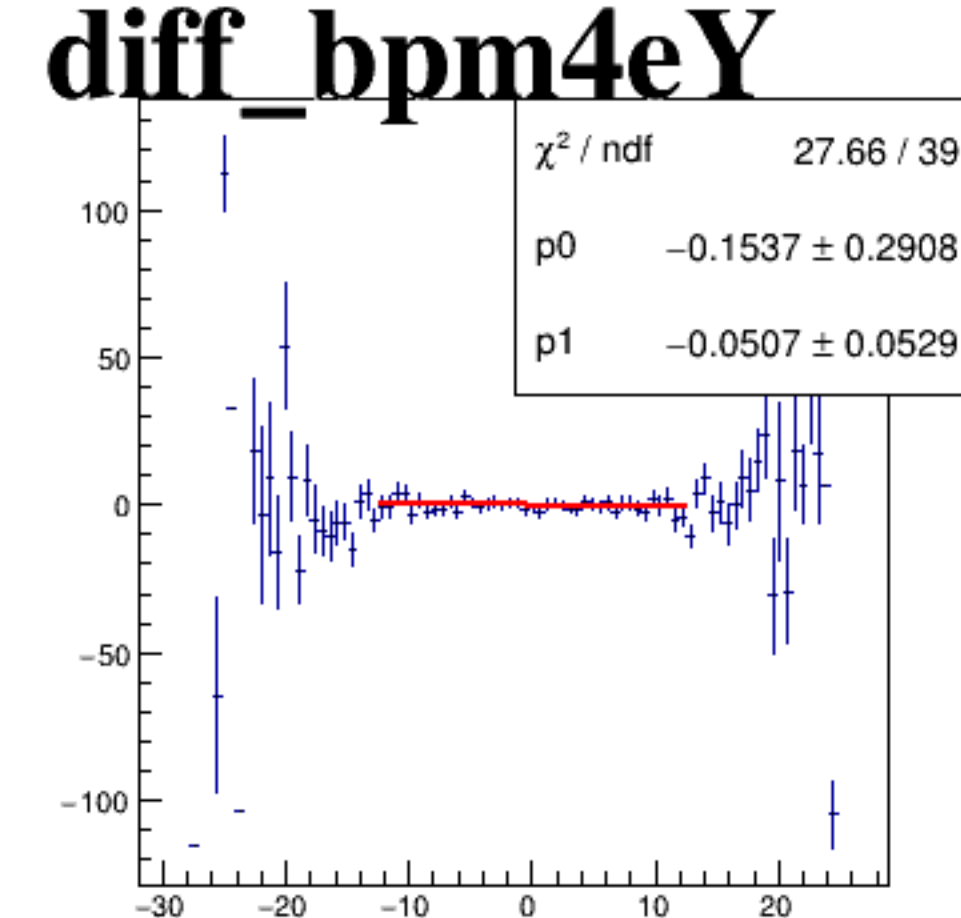
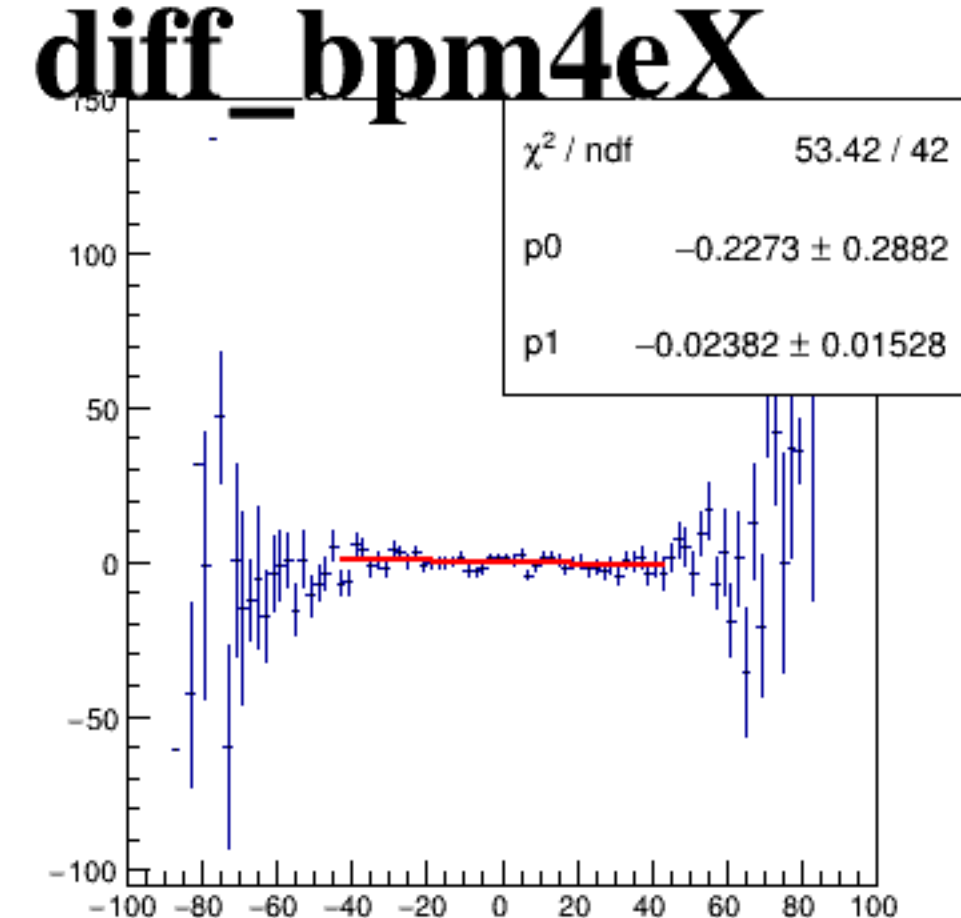
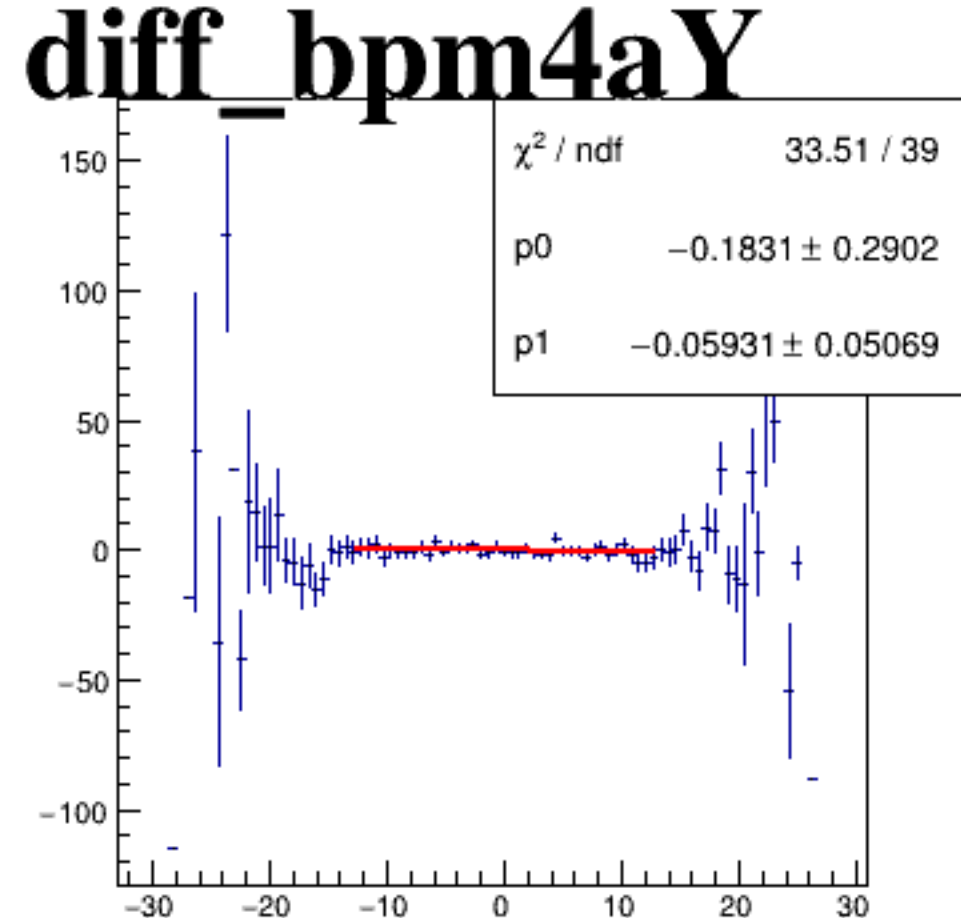
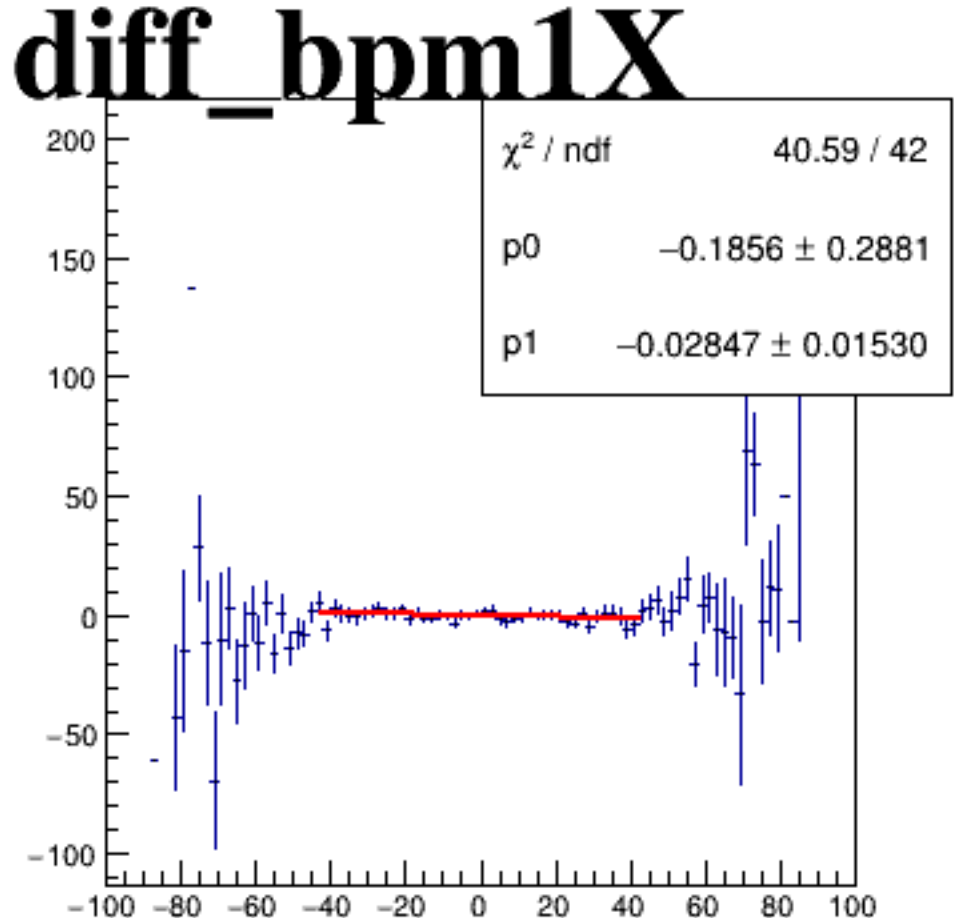
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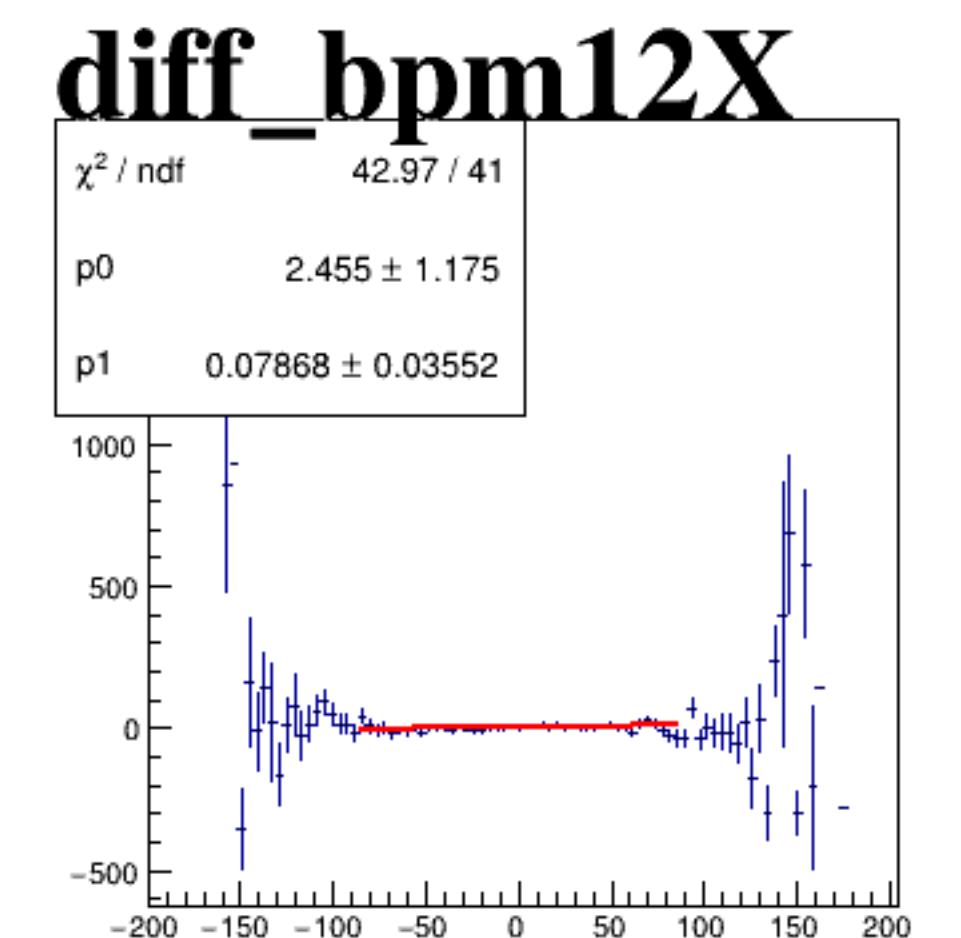
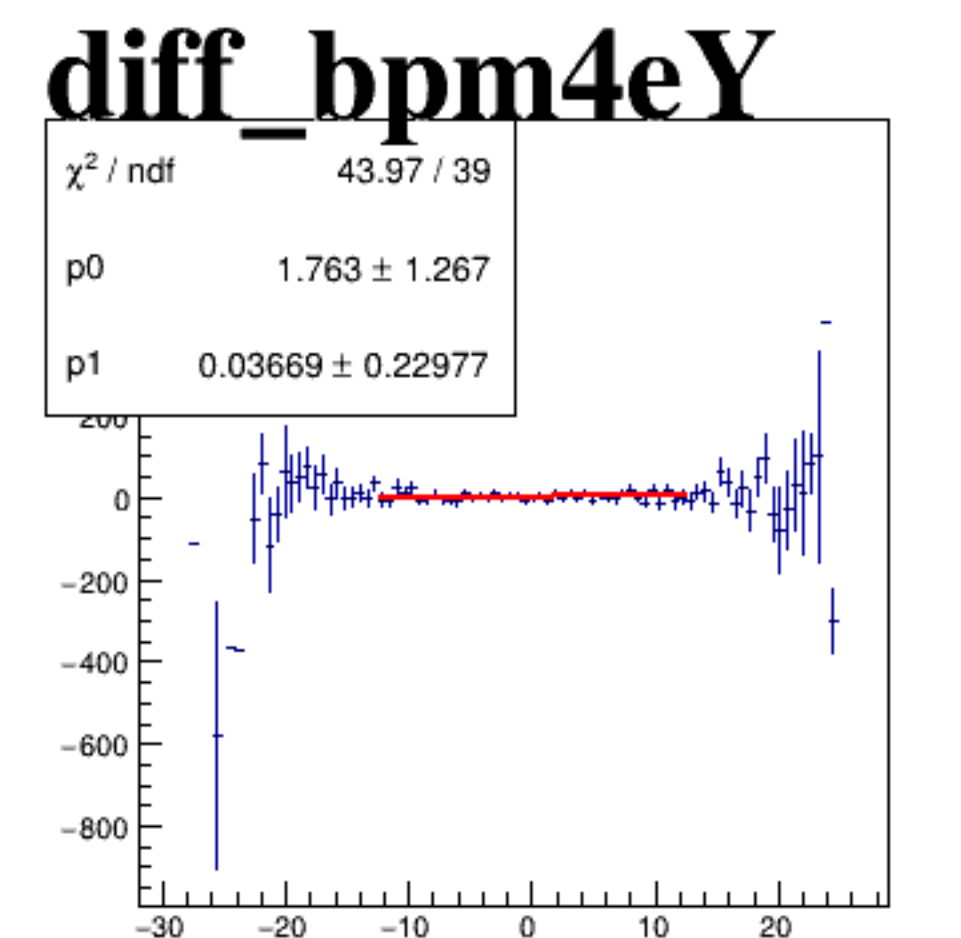
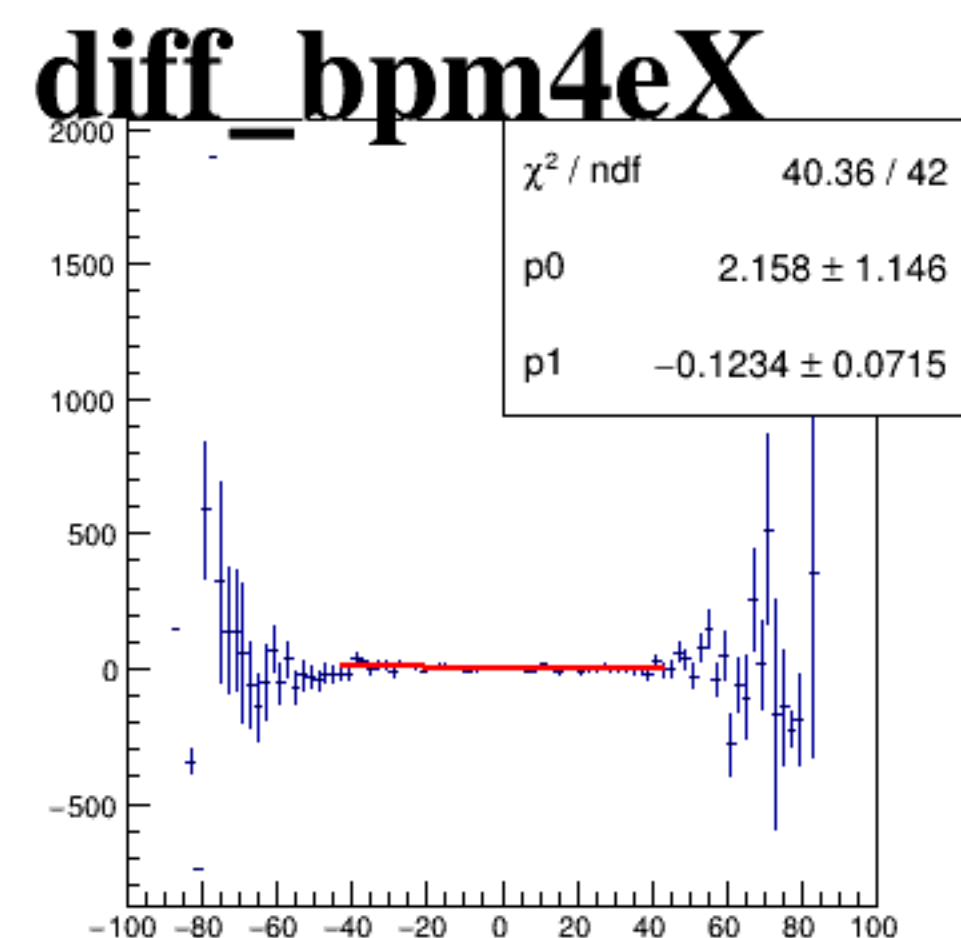
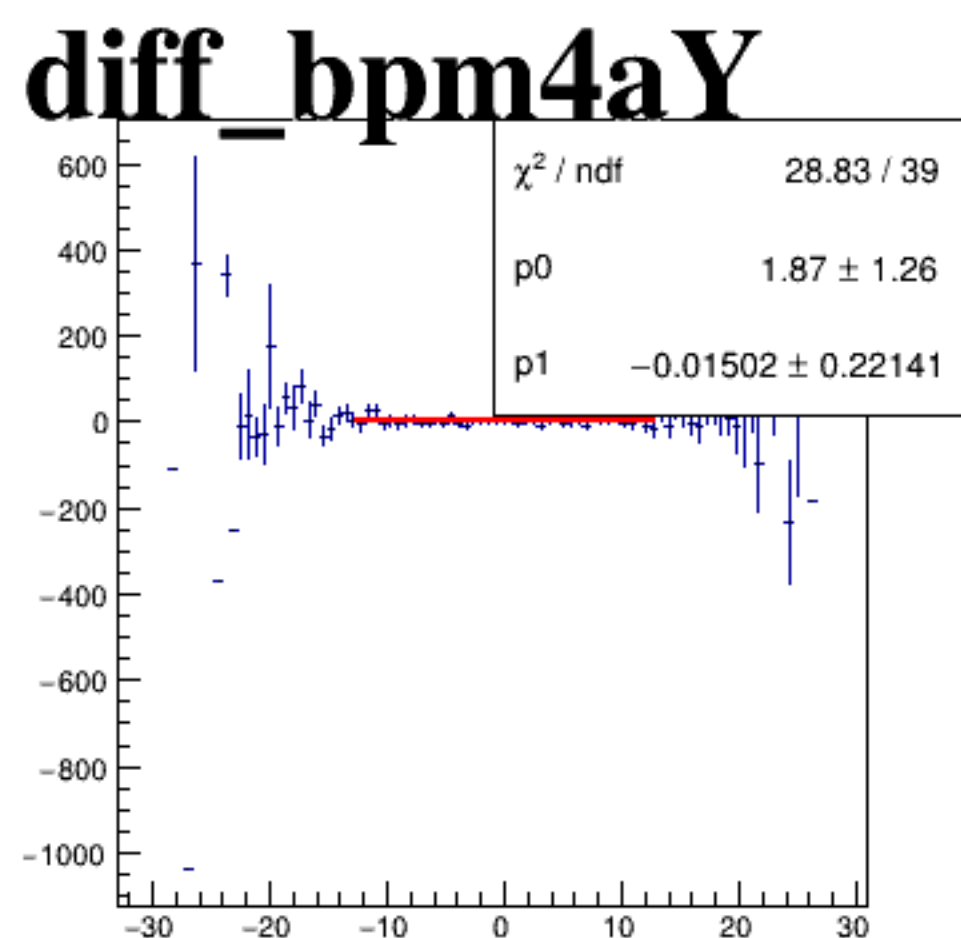
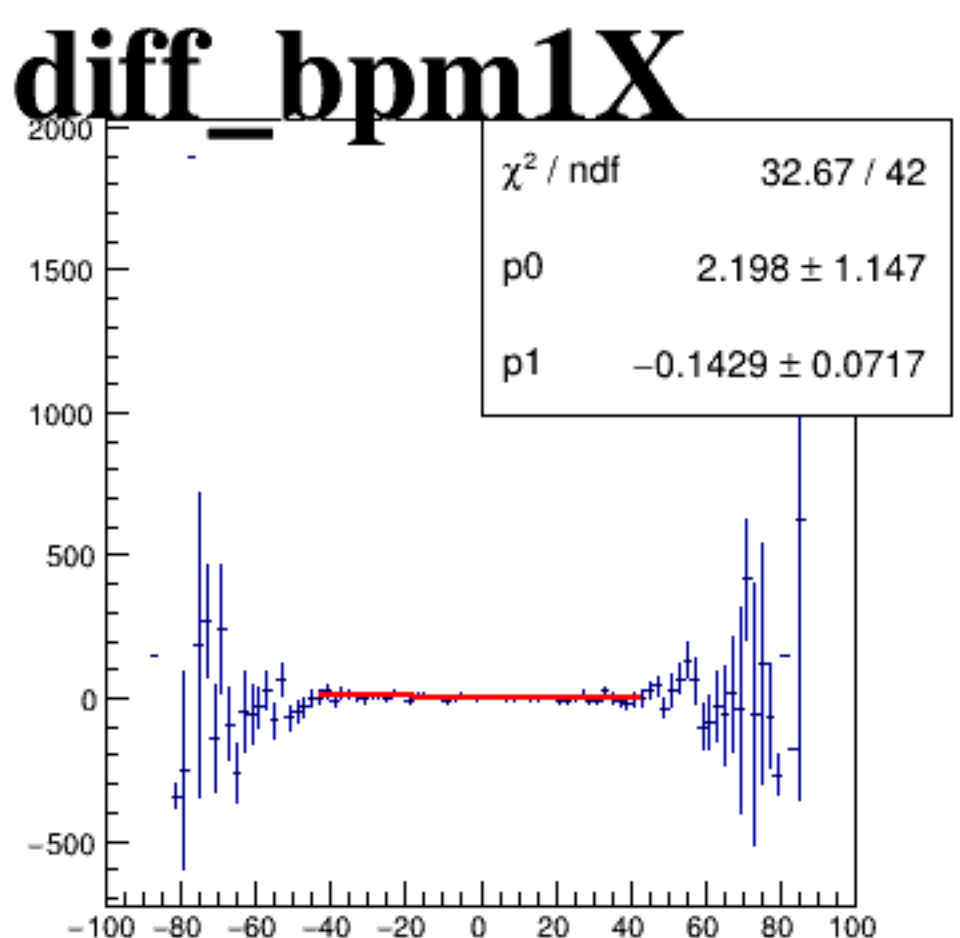
asym_sam7



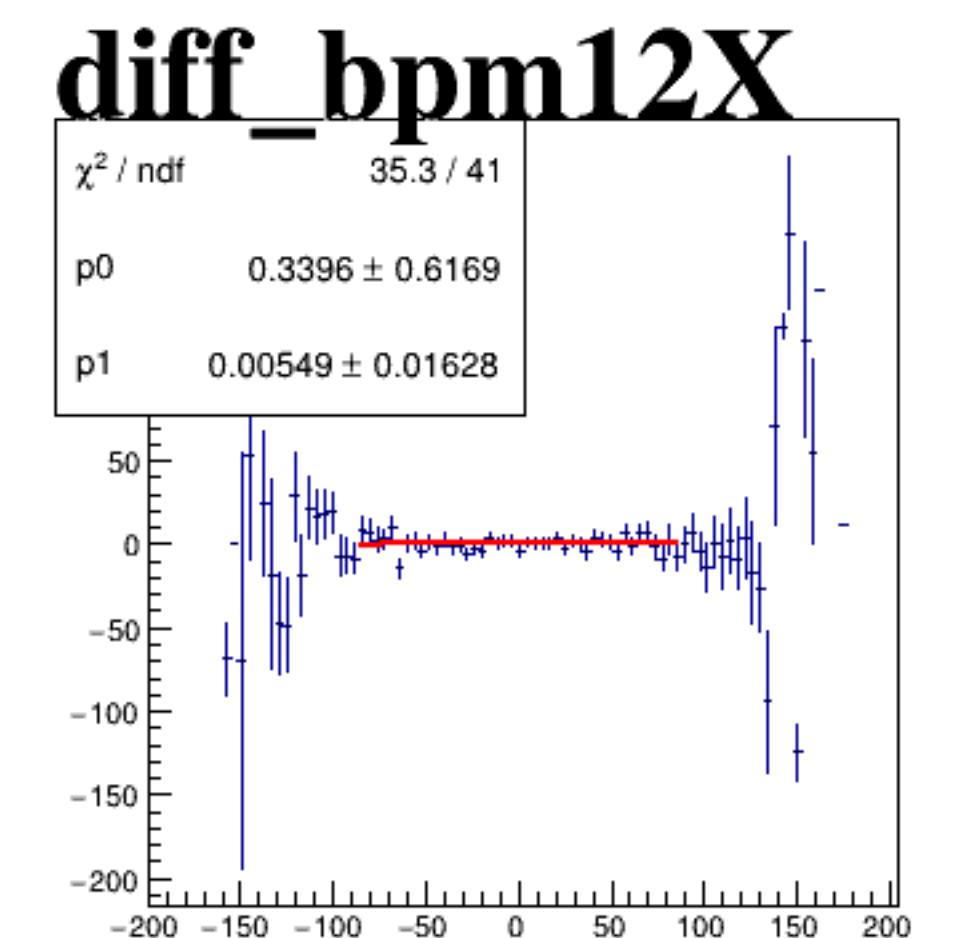
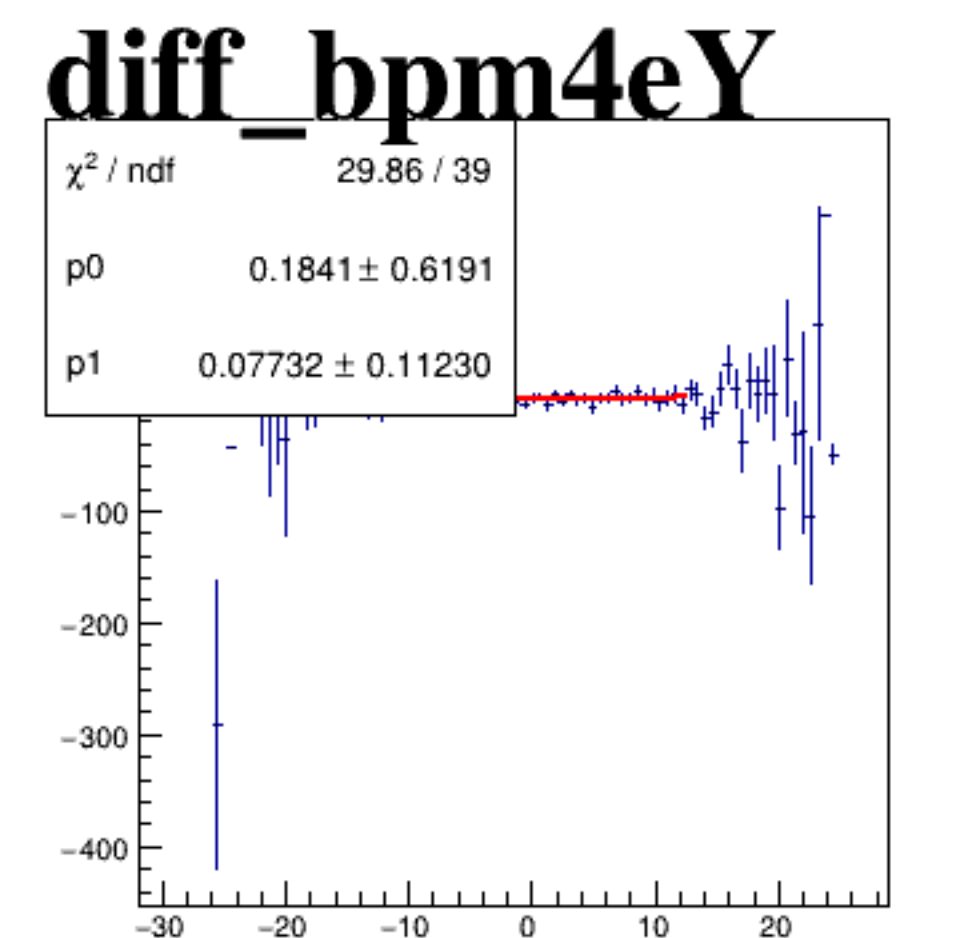
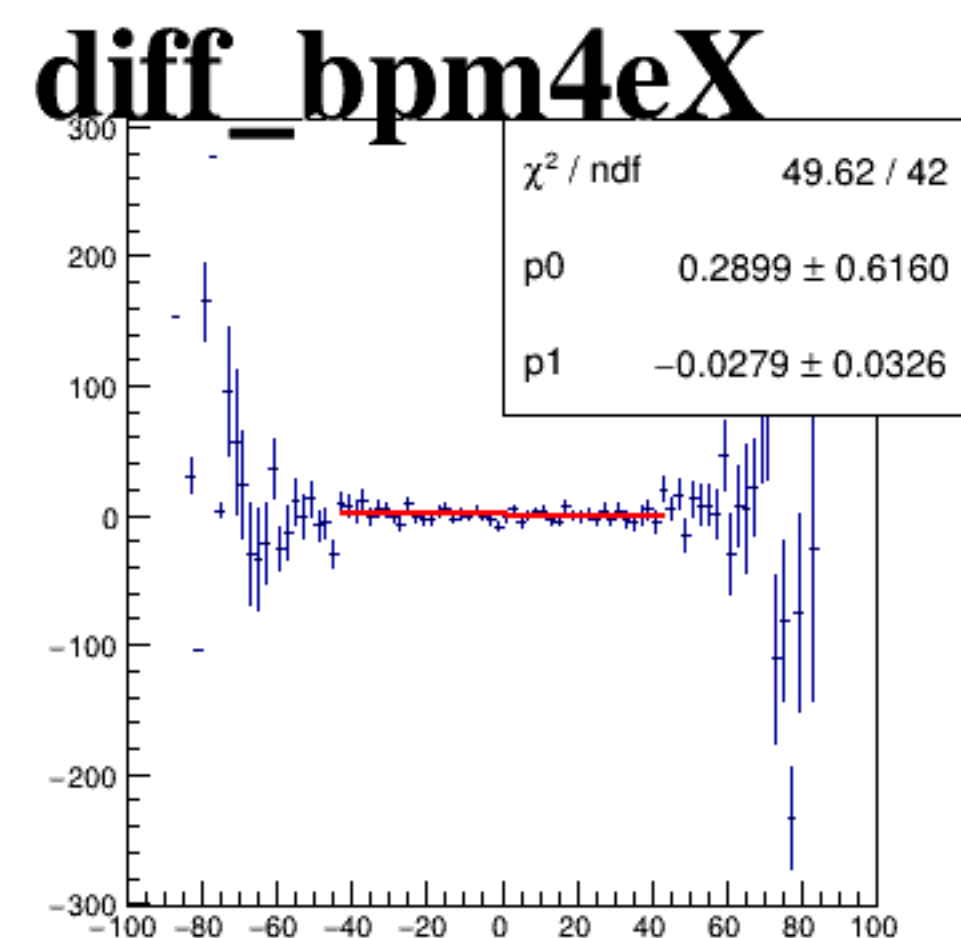
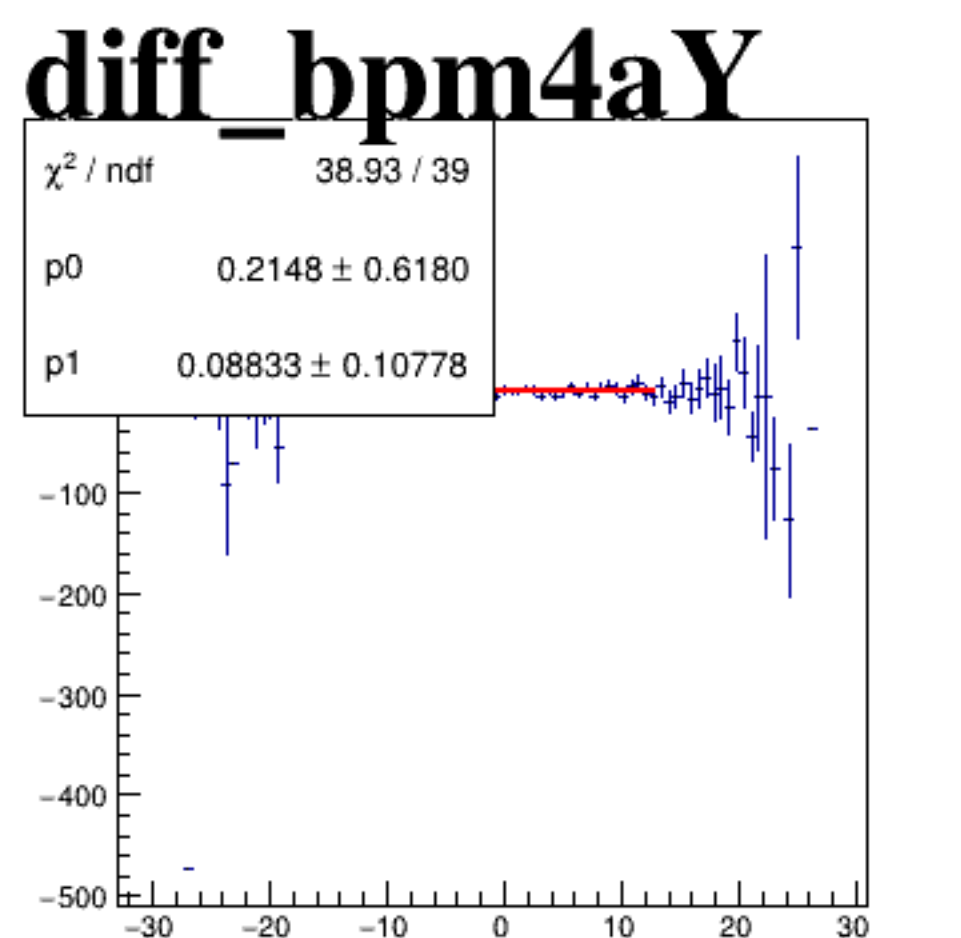
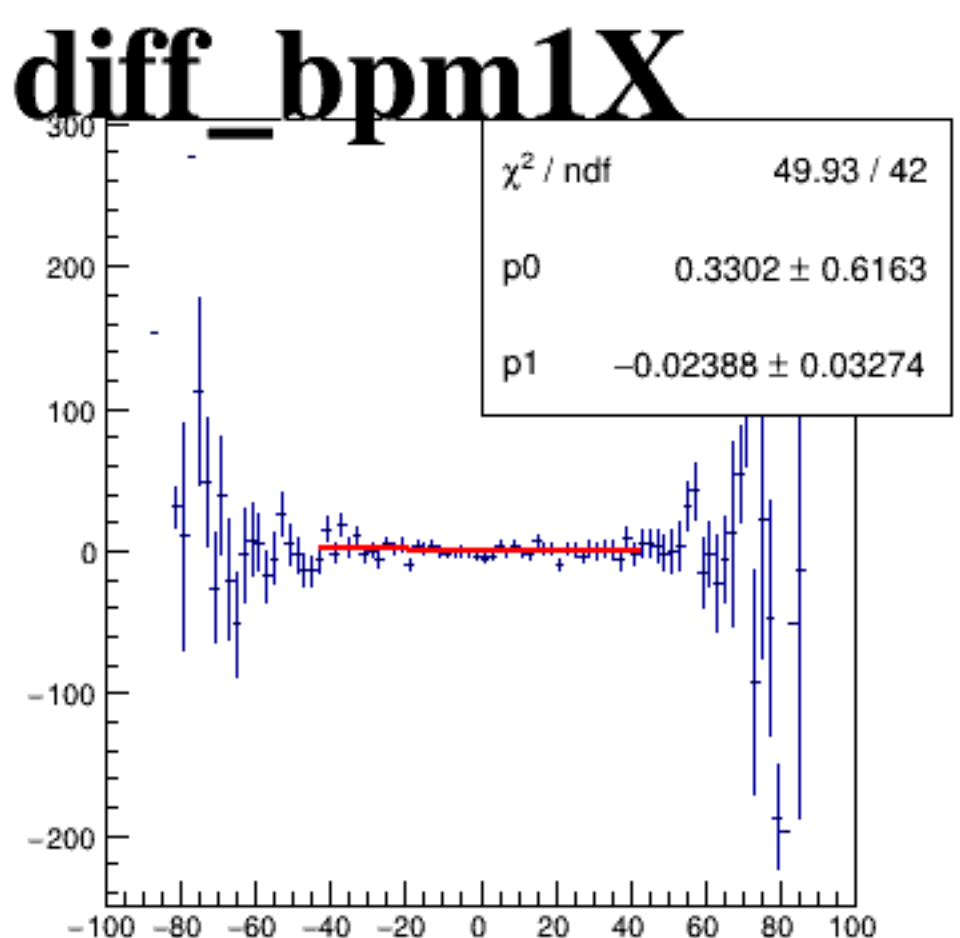
reg_asym_sam1



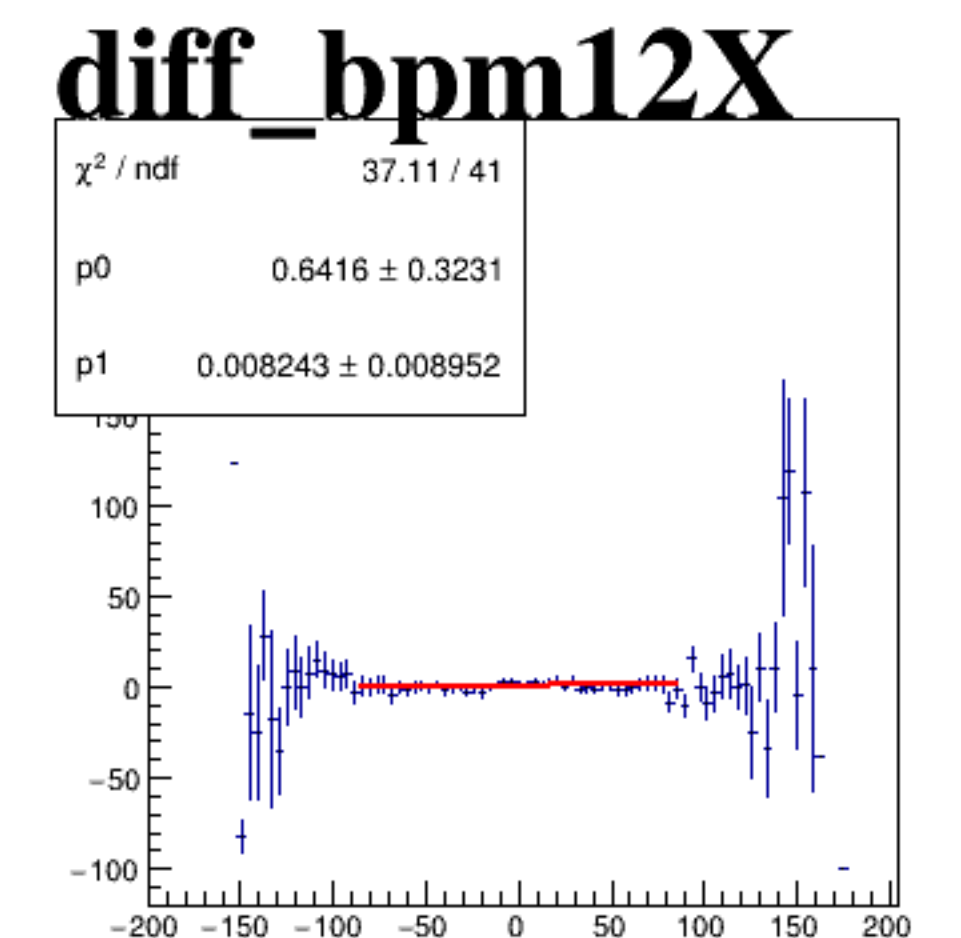
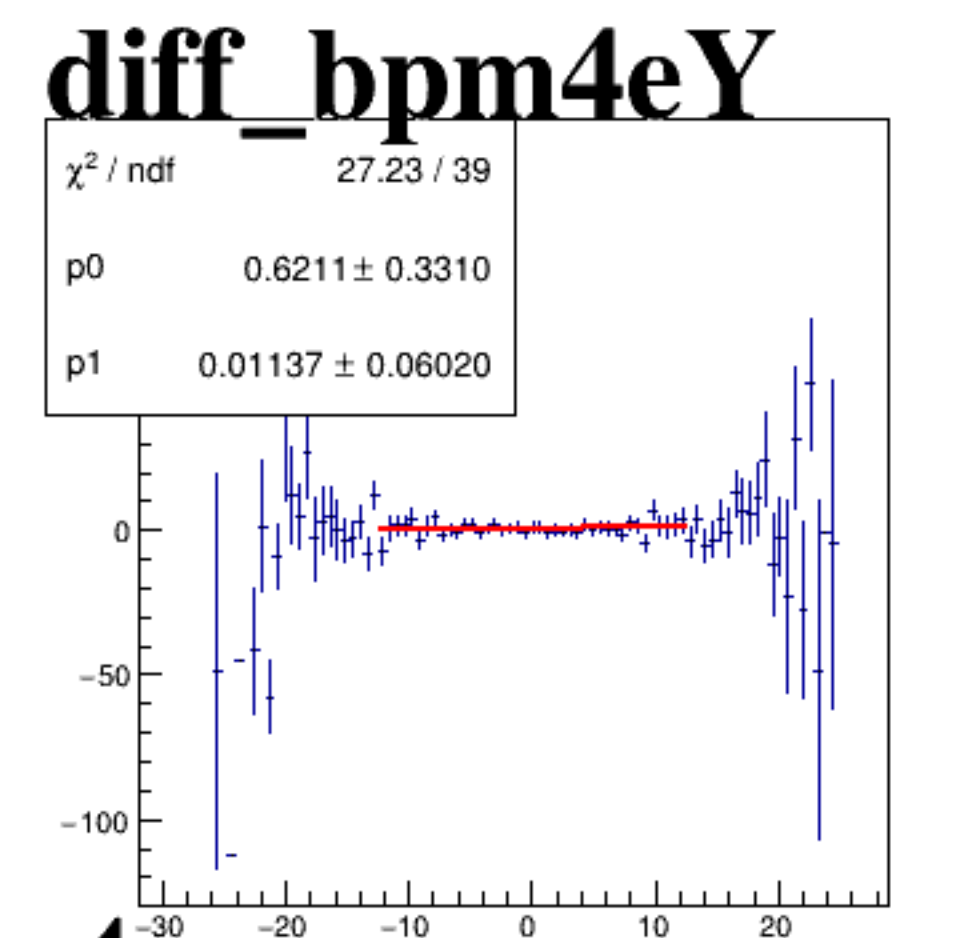
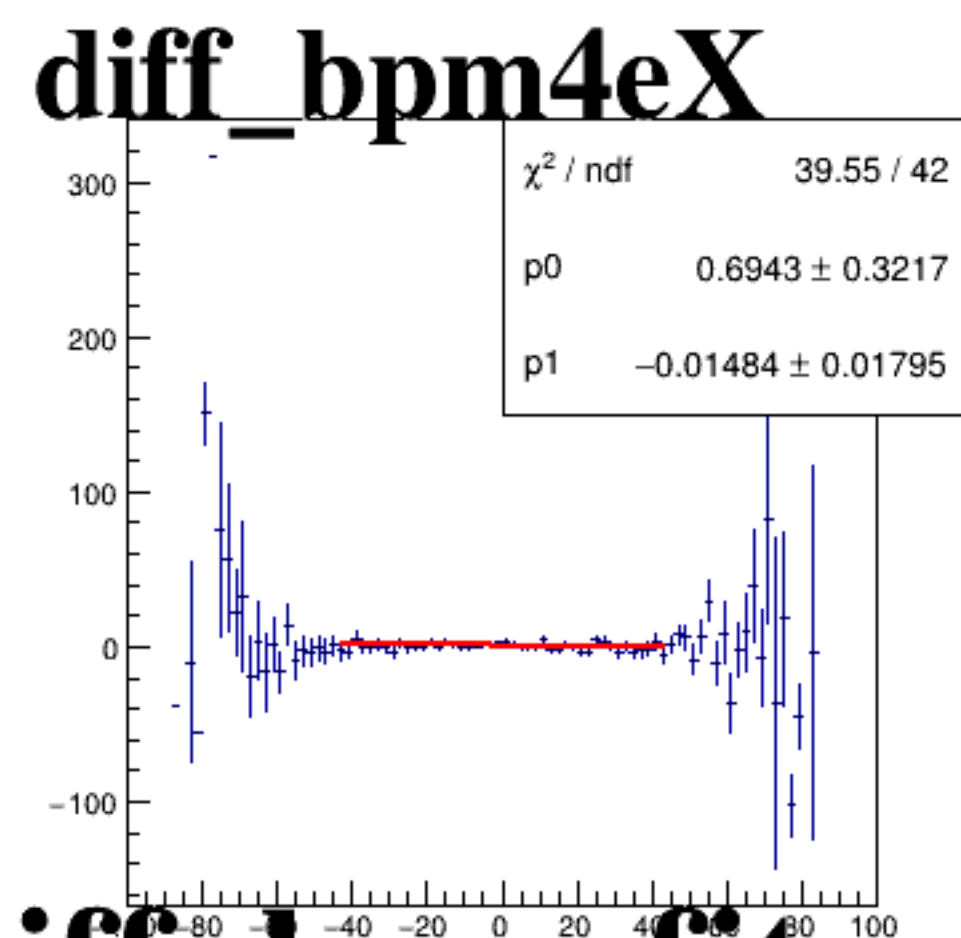
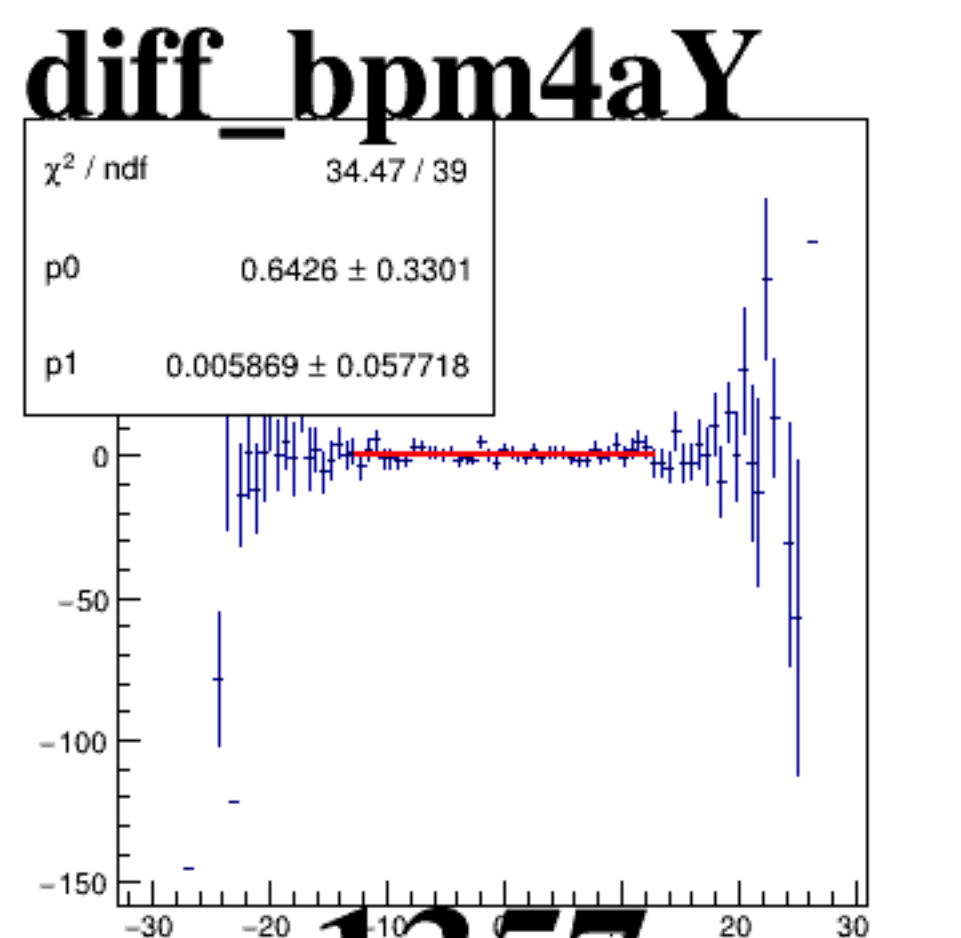
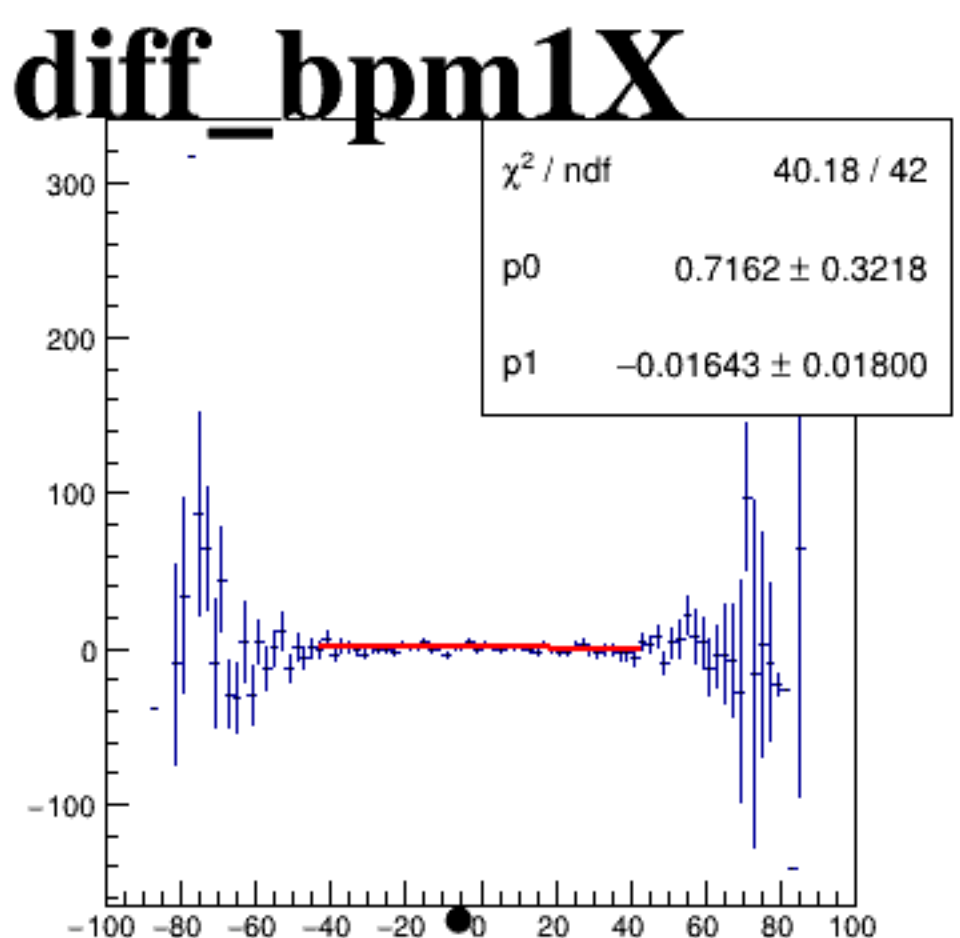
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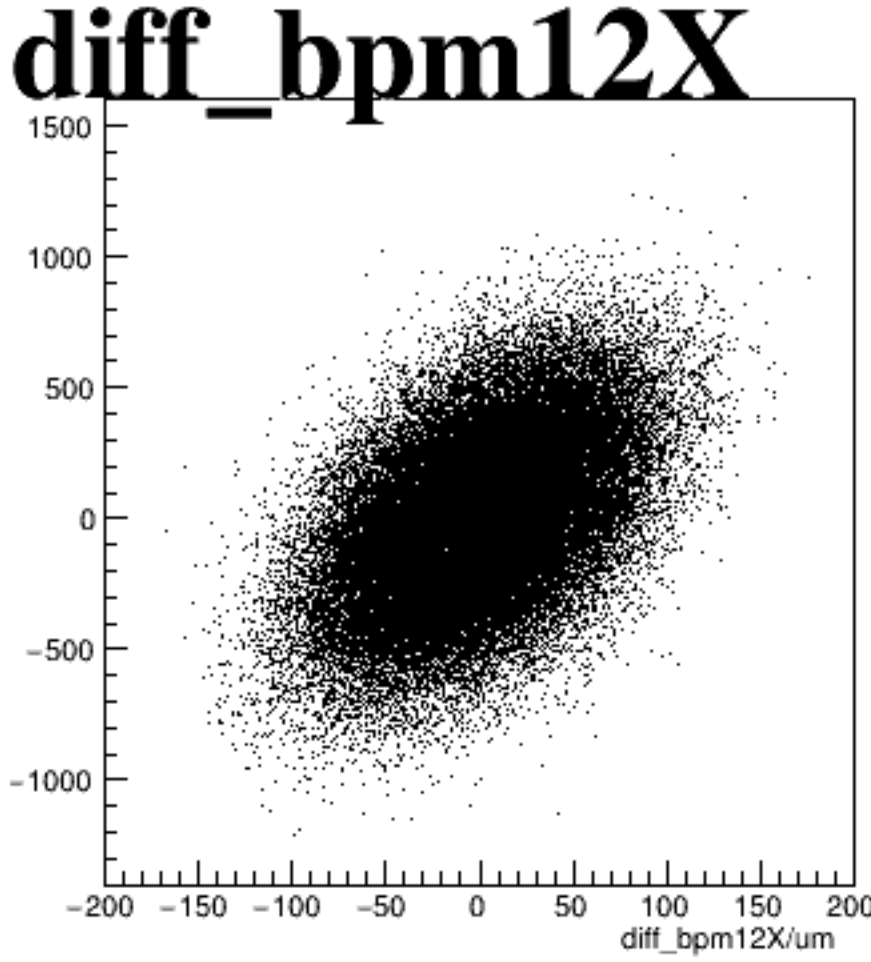
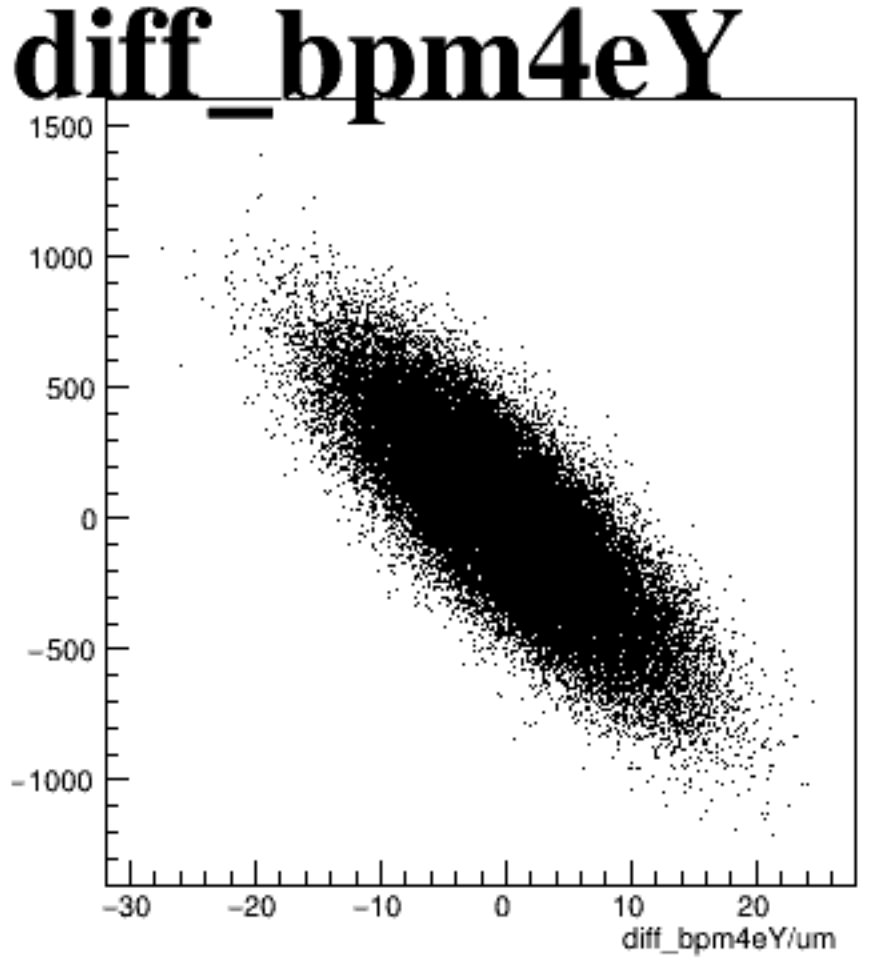
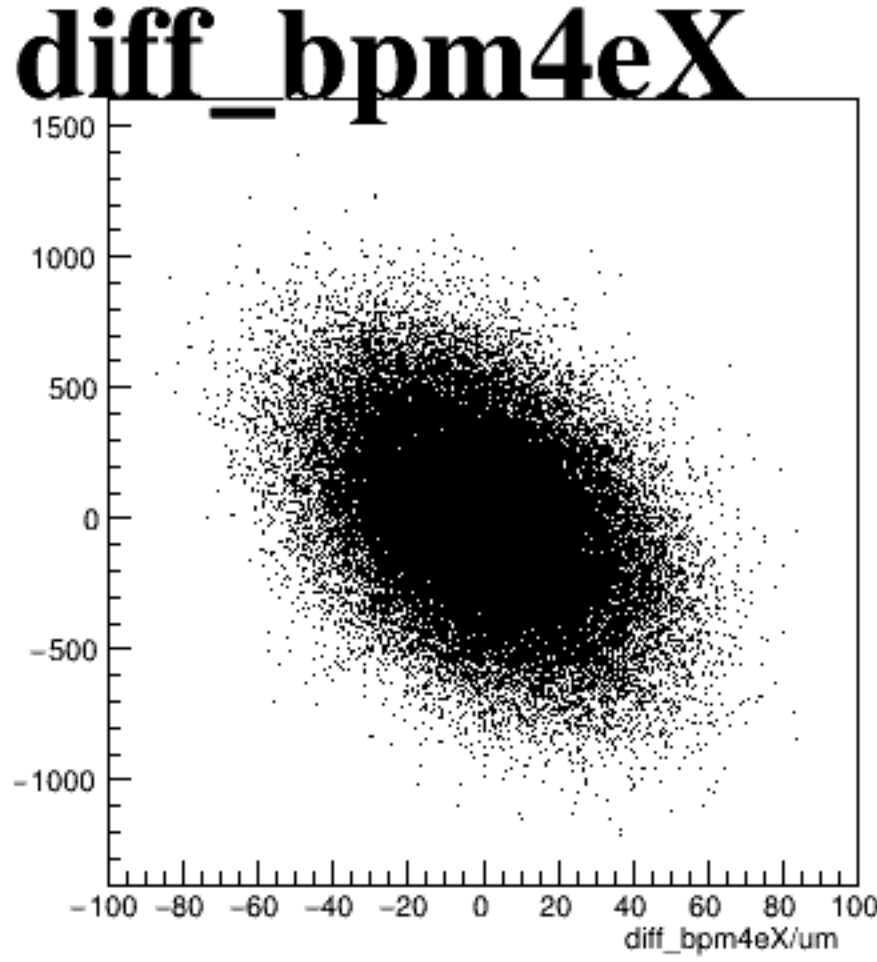
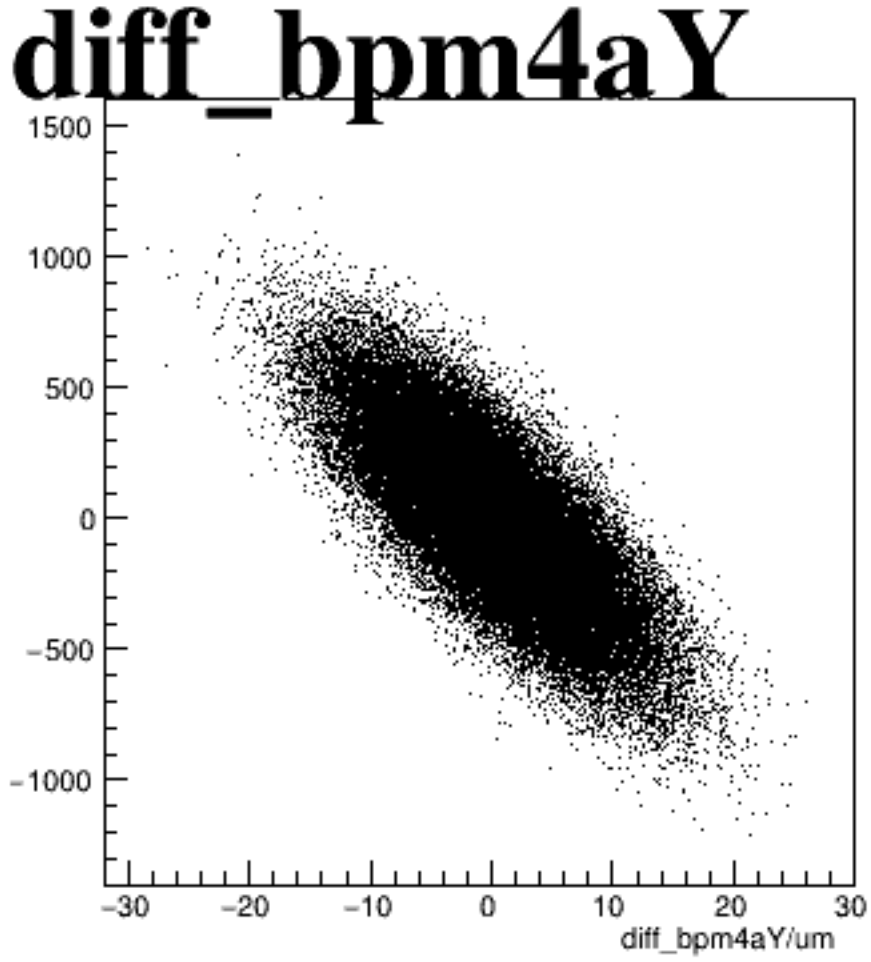
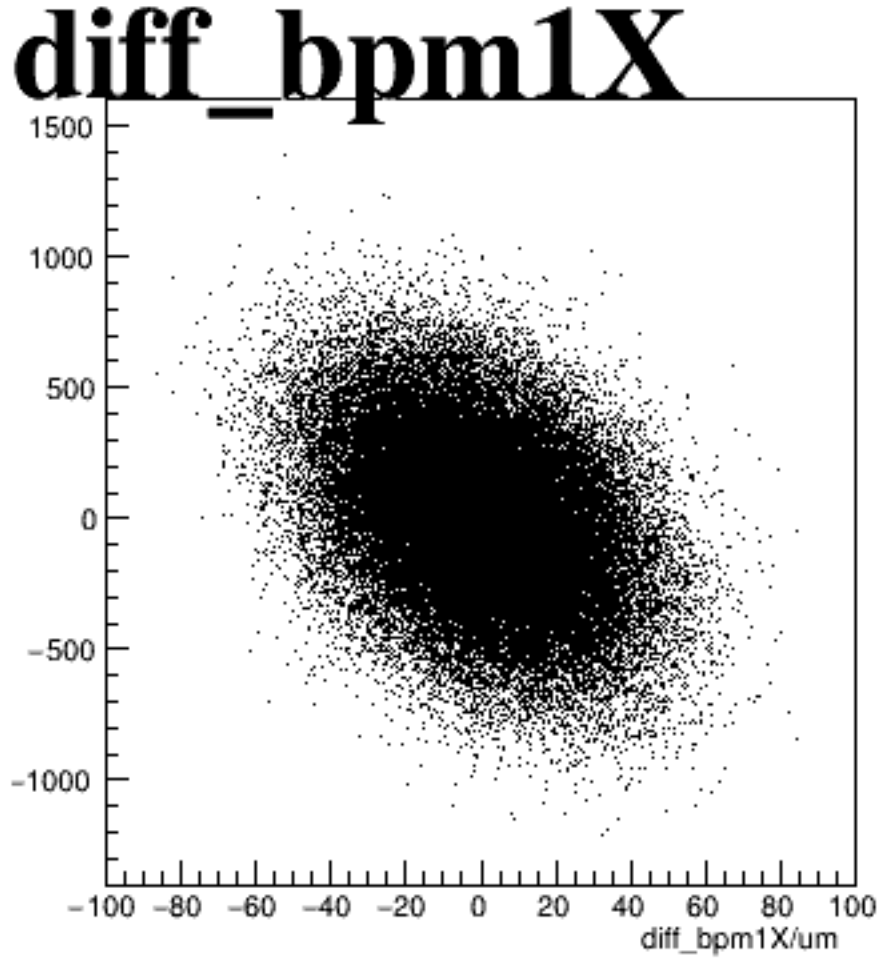
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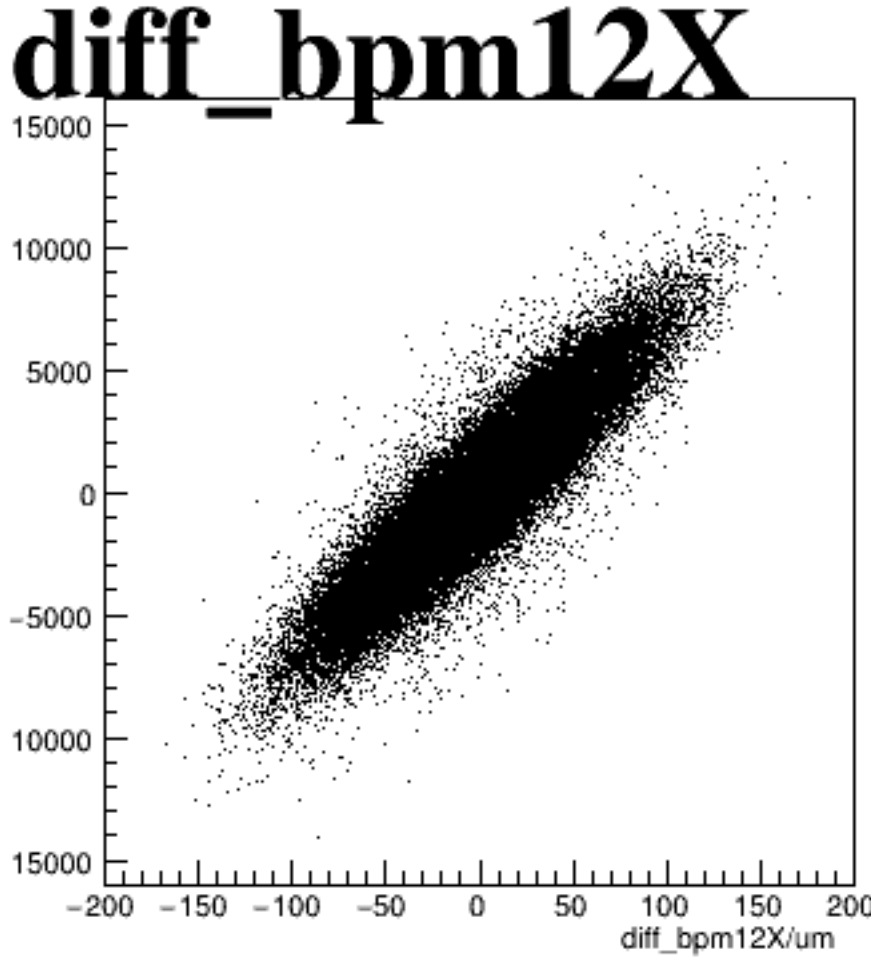
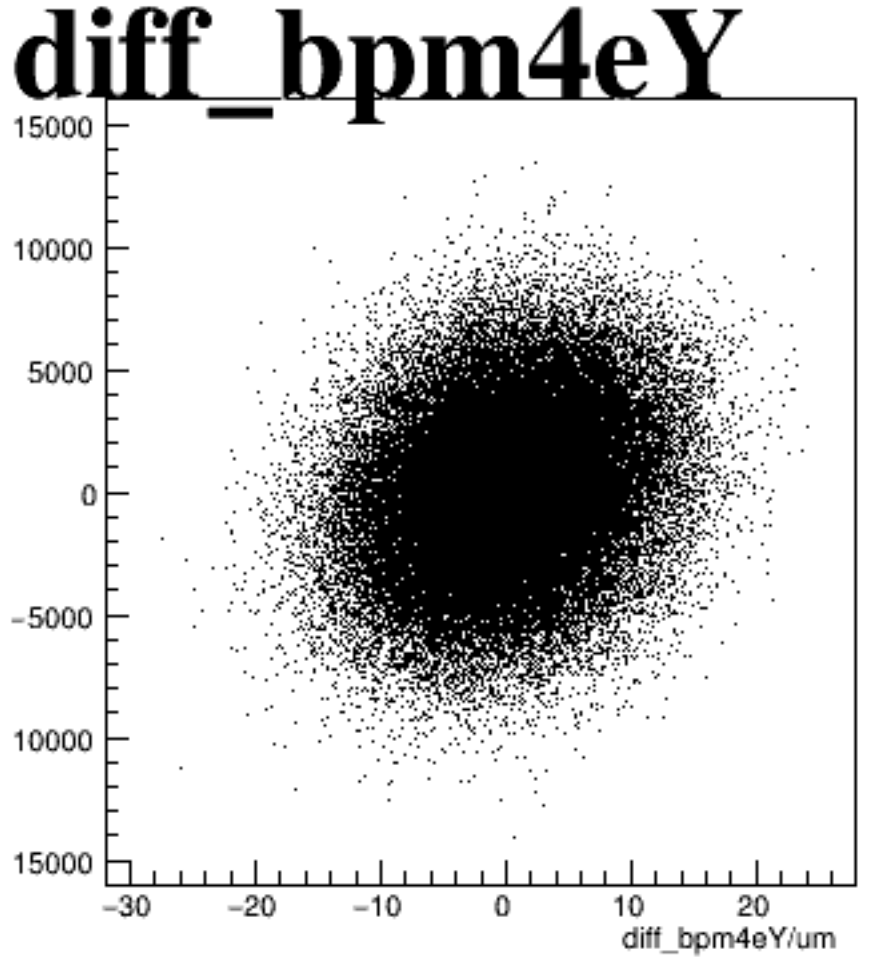
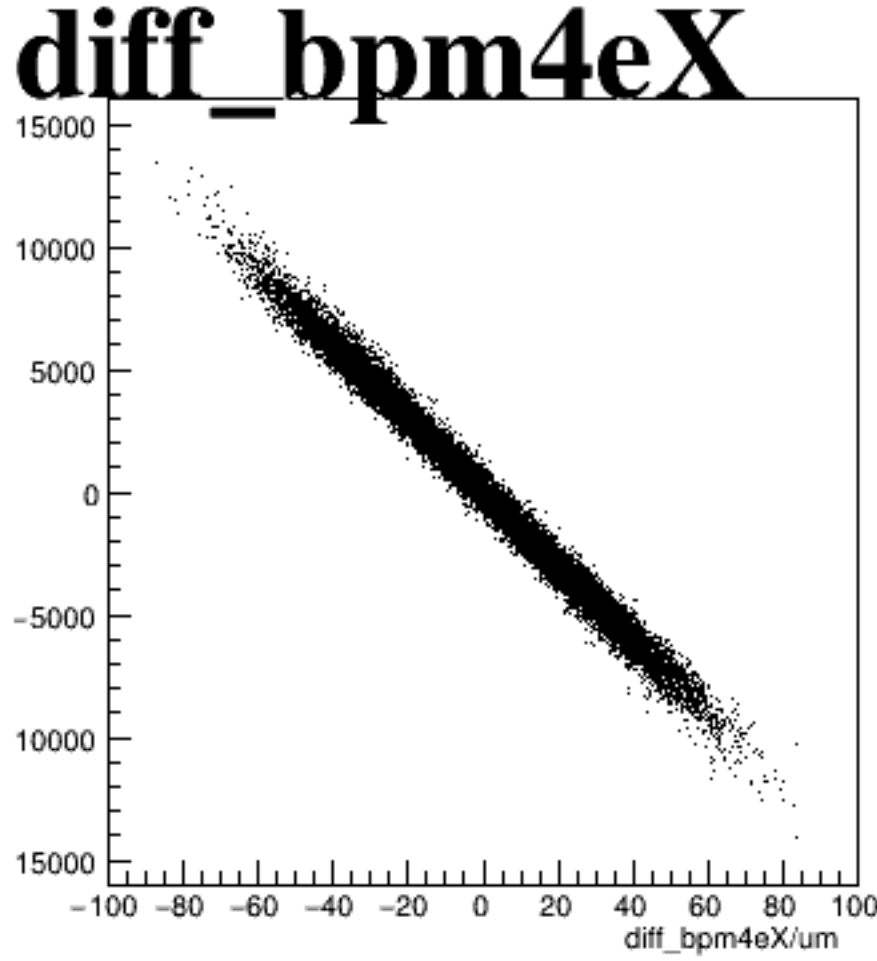
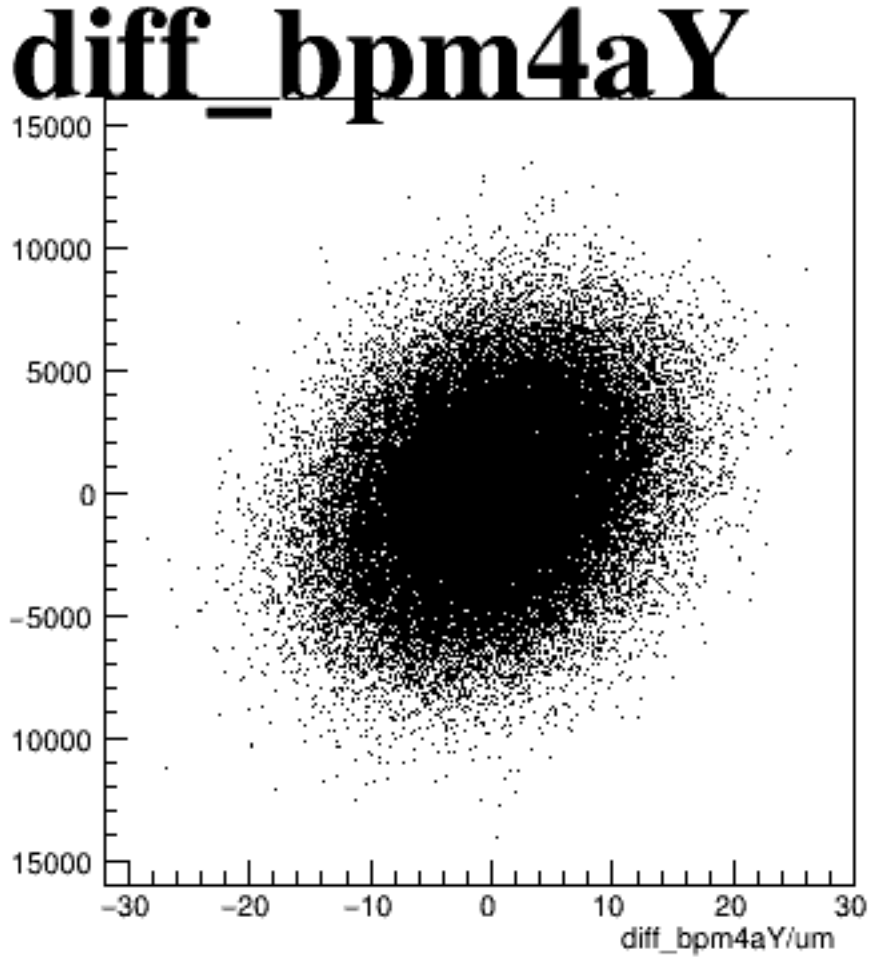
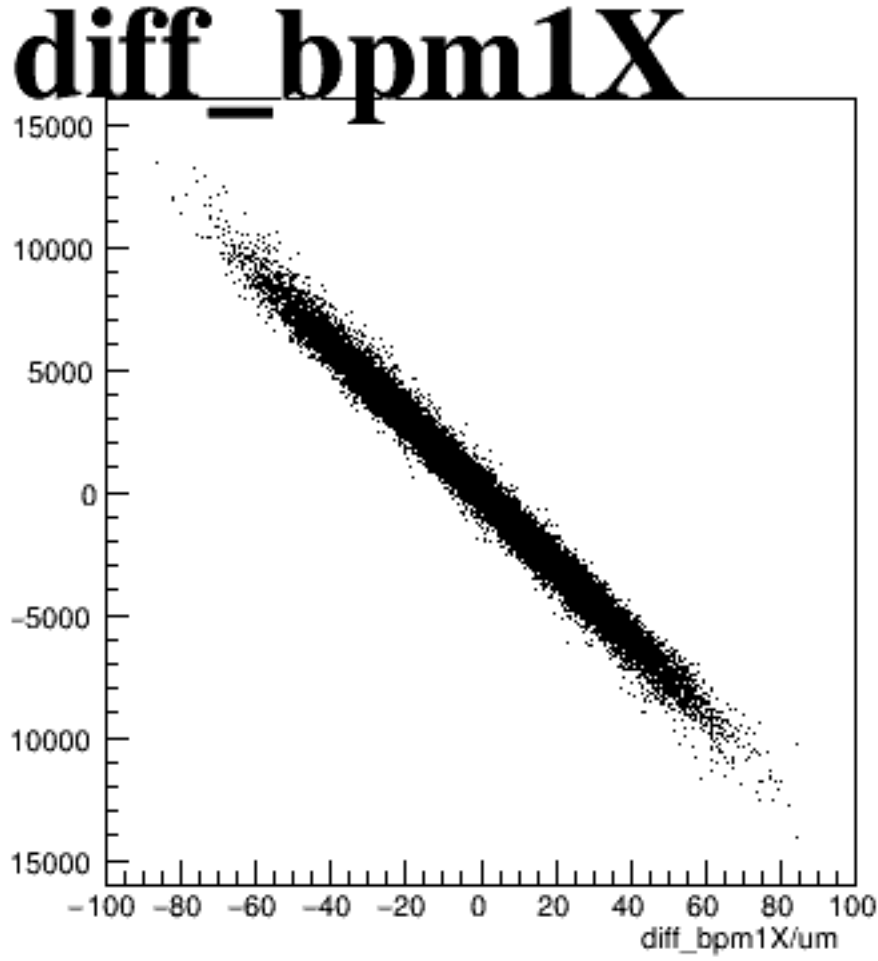
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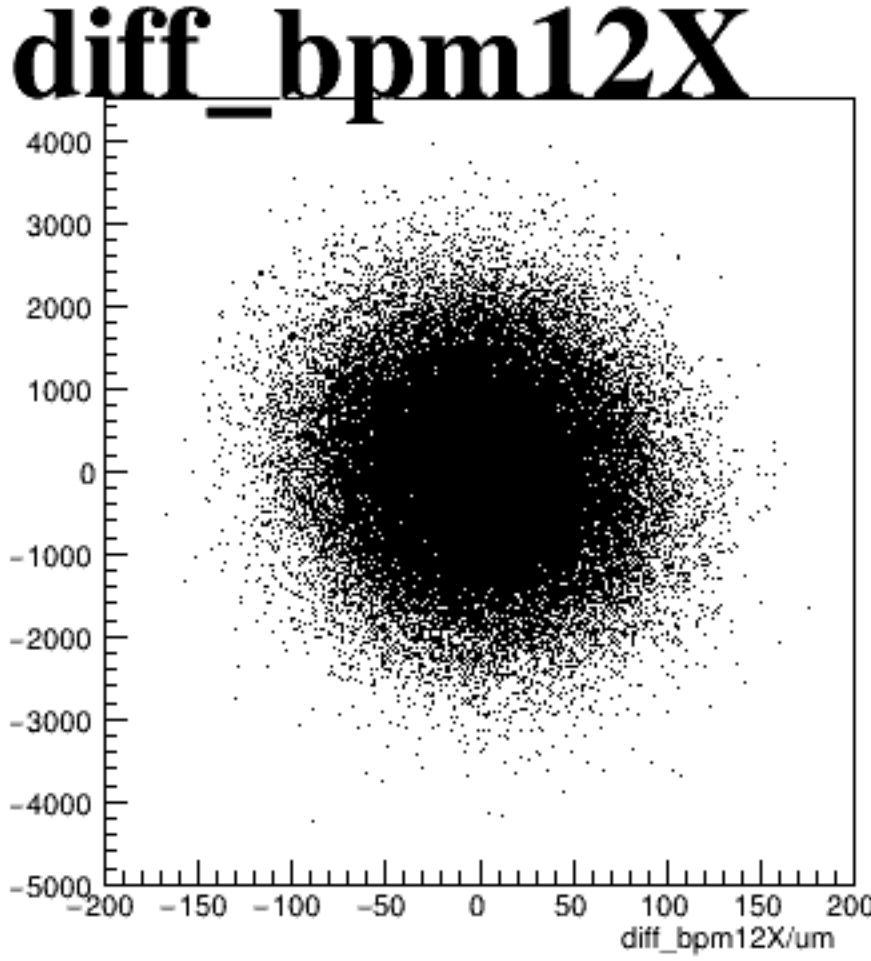
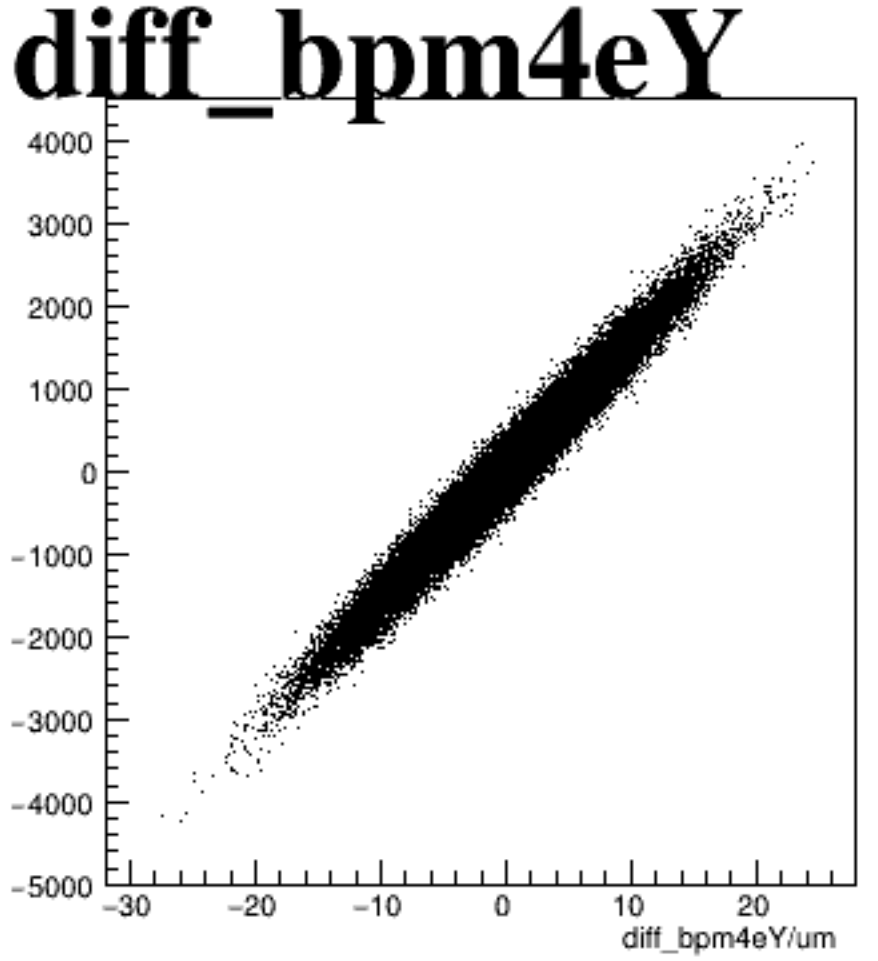
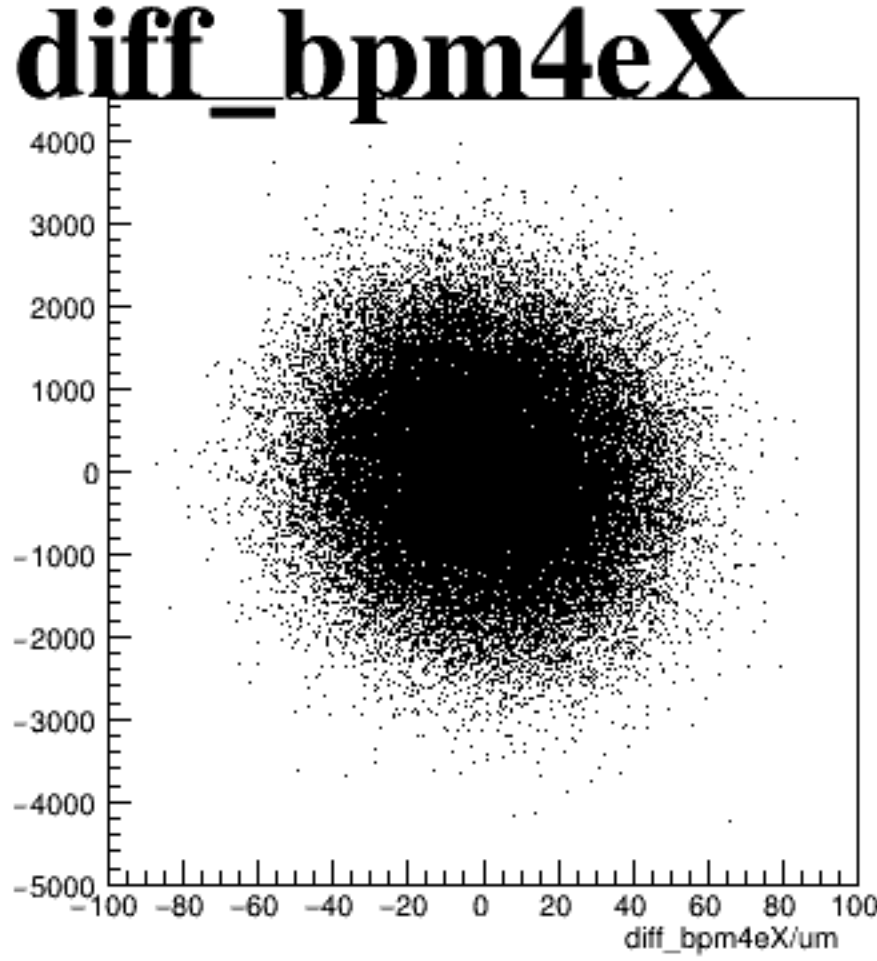
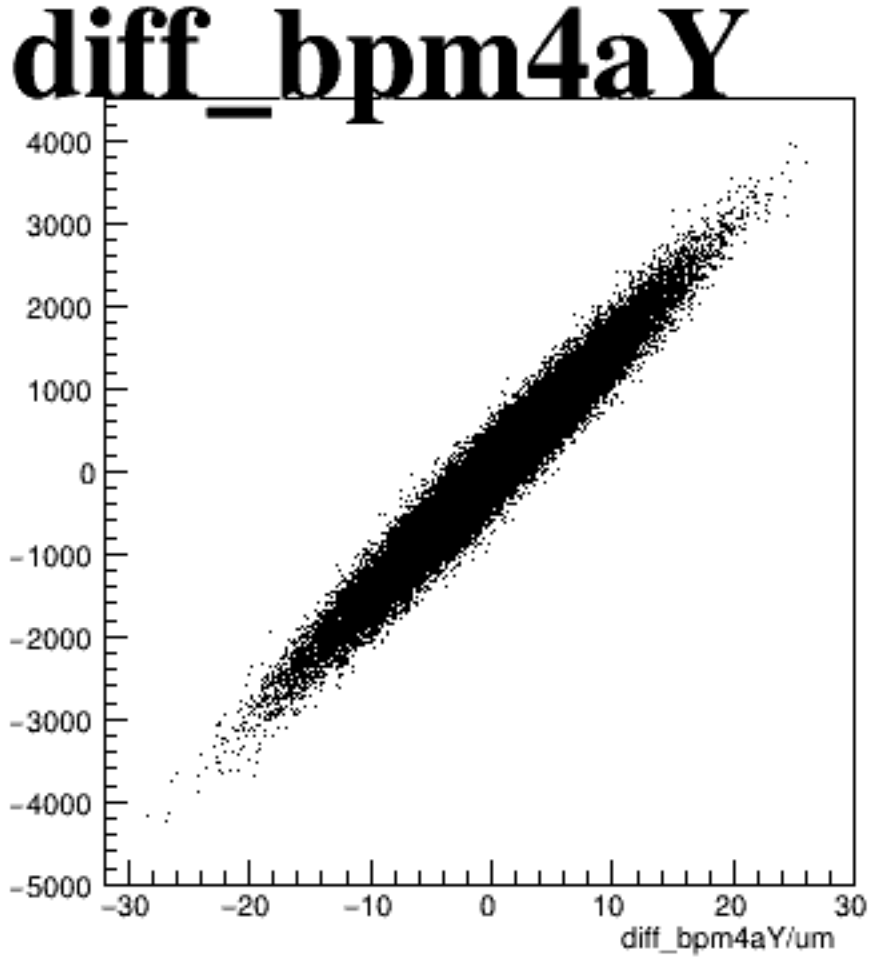
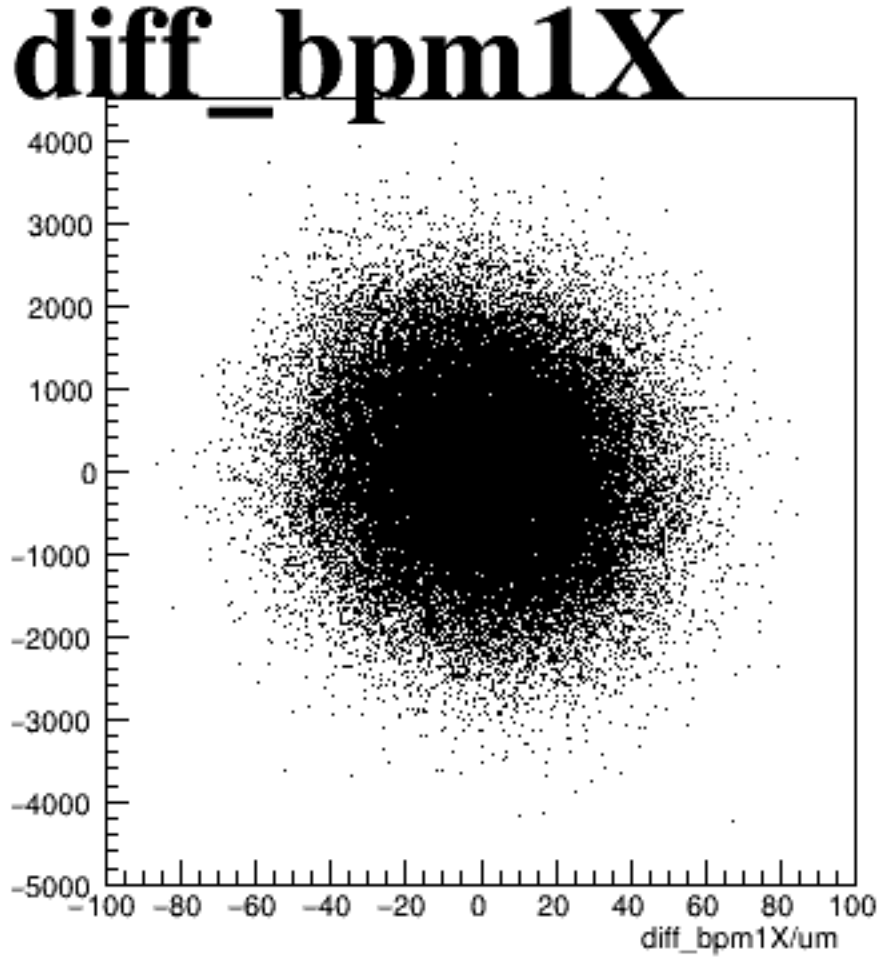
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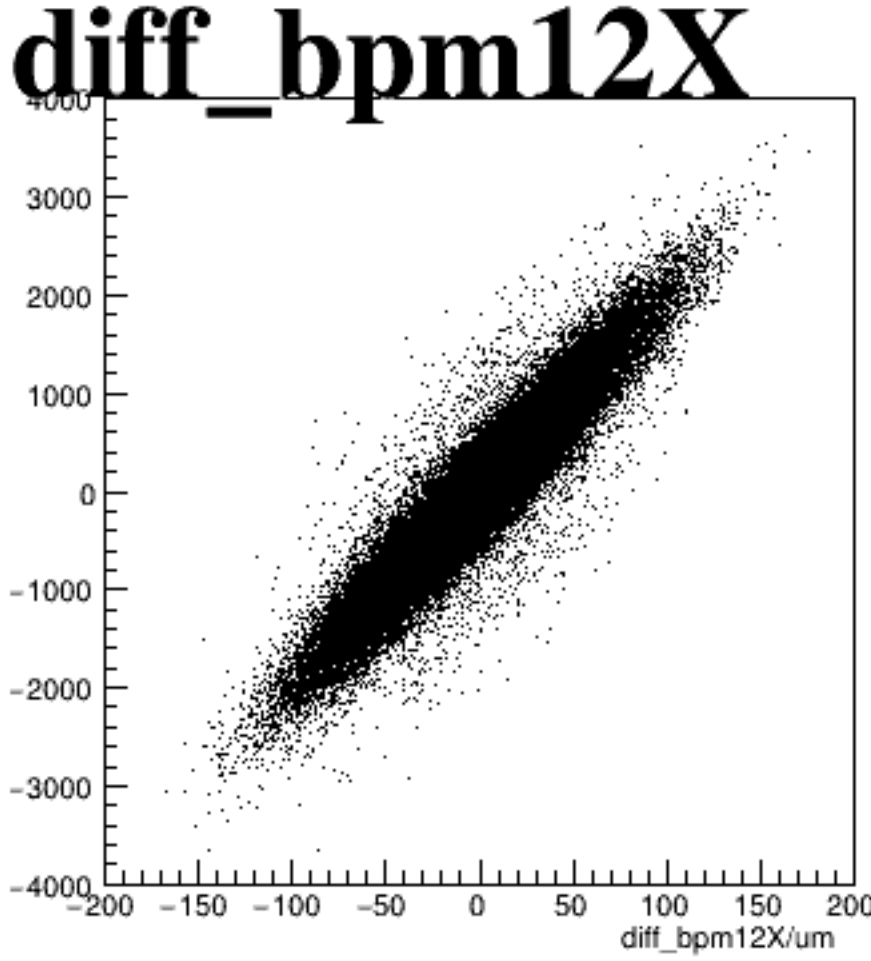
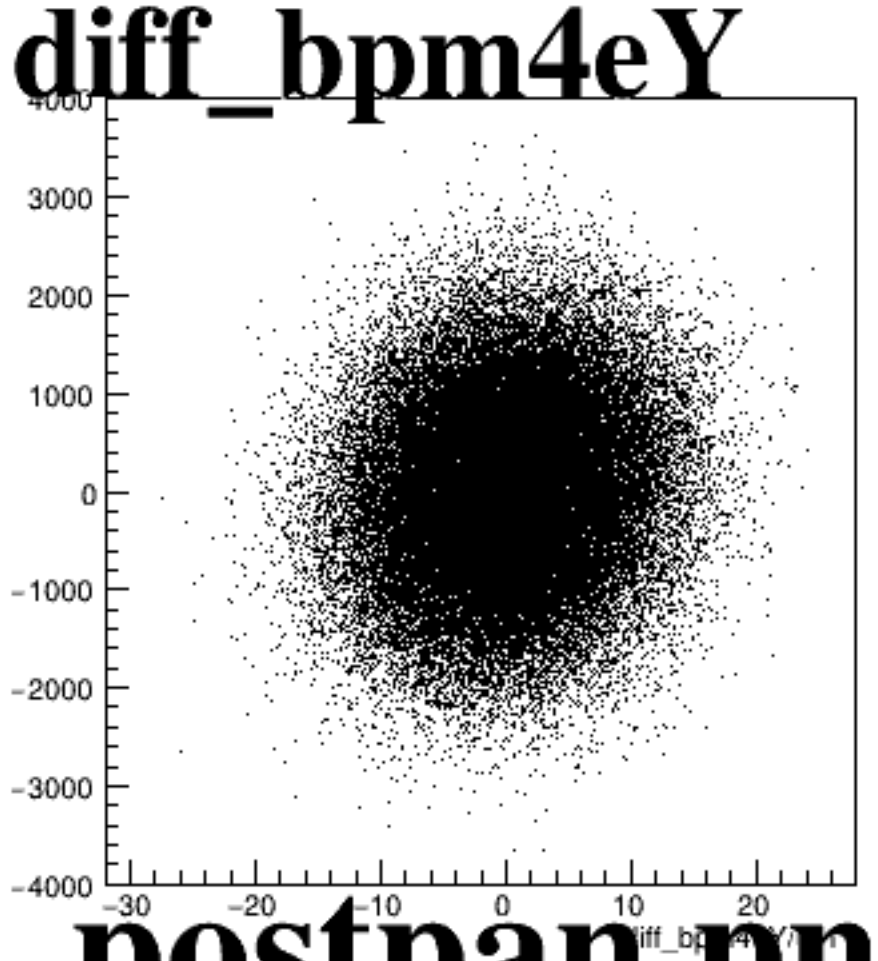
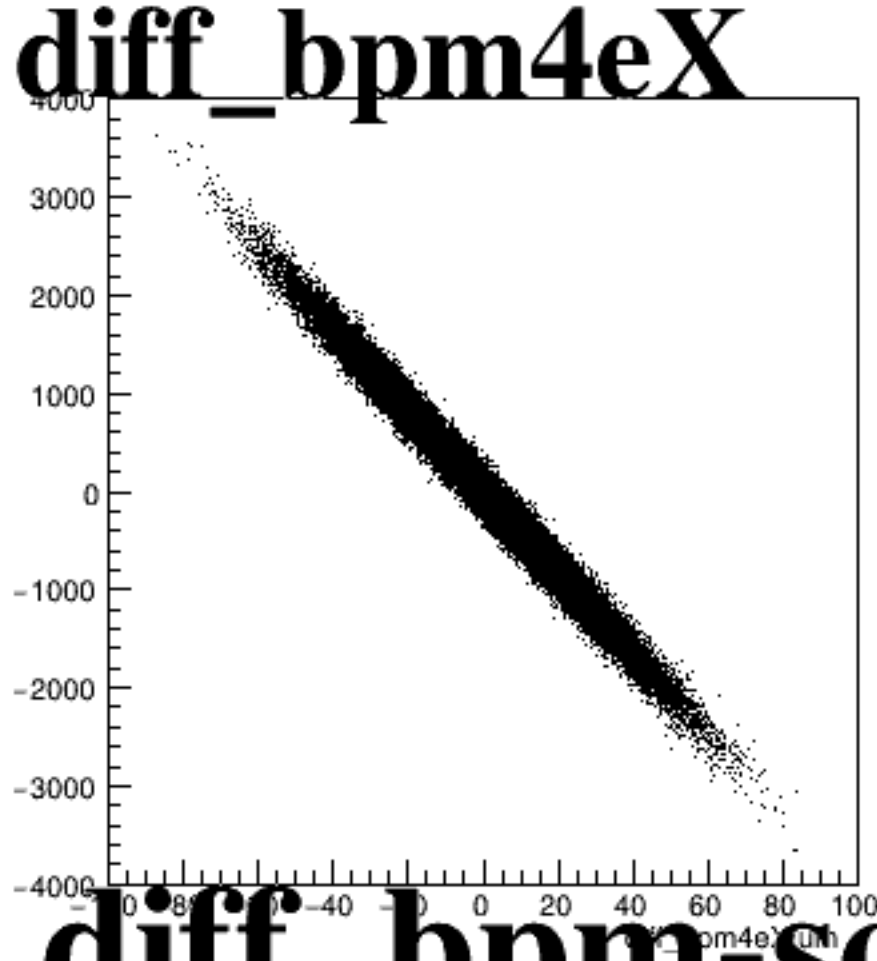
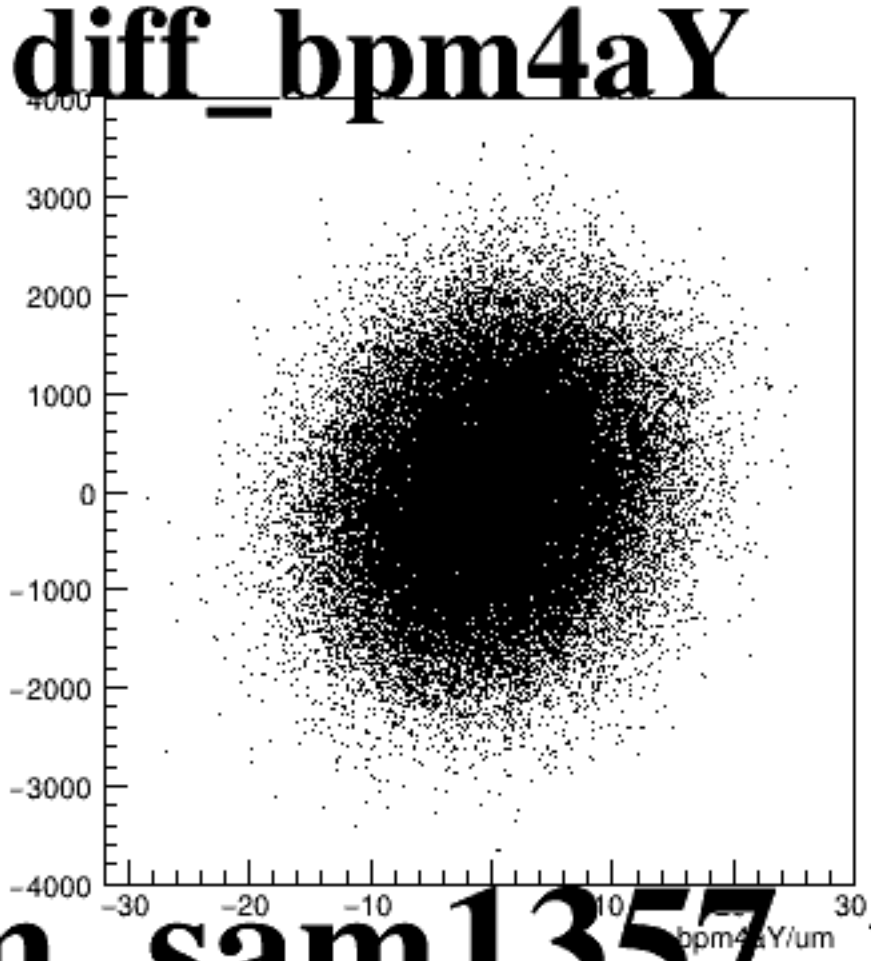
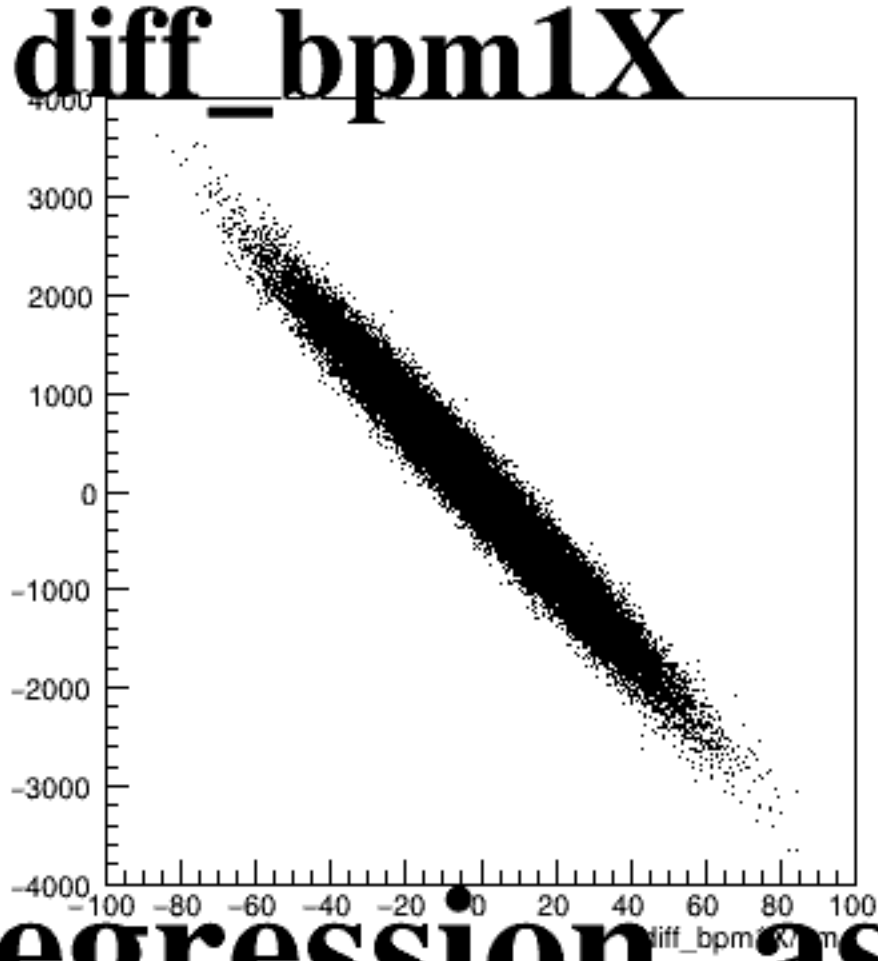
asym_sam3



asym_sam5



asym_sam7



The figure displays five scatter plots, each representing the difference in beam position measurements (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 micrometers, um). The data points are densely clustered around the origin (0,0), indicating a high level of agreement between the two measurement methods.

- diff_bpm1X:** The x-axis ranges from -100 to 100 um, and the y-axis ranges from -2000 to 2000 um.
- diff_bpm4aY:** The x-axis ranges from -30 to 30 um, and the y-axis ranges from -2000 to 2000 um.
- diff_bpm4eX:** The x-axis ranges from -100 to 100 um, and the y-axis ranges from -2000 to 2000 um.
- diff_bpm4eY:** The x-axis ranges from -30 to 20 um, and the y-axis ranges from -2000 to 2000 um.
- diff_bpm12X:** The x-axis ranges from -200 to 200 um, and the y-axis ranges from -2000 to 2000 um.

The figure consists of five scatter plots arranged horizontally, each showing the difference in BPM coordinates 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 -100 to 100. The y-axis is labeled diff_bpm1X and ranges from -600 to 600.
- diff_bpm4aY**: The x-axis is labeled $\text{diff_bpm4aY}/\mu\text{m}$ and ranges from -30 to 30. The y-axis is labeled diff_bpm4aY and ranges from -600 to 600.
- diff_bpm4eX**: The x-axis is labeled $\text{diff_bpm4eX}/\mu\text{m}$ and ranges from -100 to 100. The y-axis is labeled diff_bpm4eX and ranges from -600 to 600.
- diff_bpm4eY**: The x-axis is labeled $\text{diff_bpm4eY}/\mu\text{m}$ and ranges from -30 to 30. The y-axis is labeled diff_bpm4eY and ranges from -600 to 600.
- diff_bpm12X**: The x-axis is labeled $\text{diff_bpm12X}/\mu\text{m}$ and ranges from -200 to 200. The y-axis is labeled diff_bpm12X and ranges from -600 to 600.

All plots show a dense, roughly circular distribution of points centered at the origin, indicating a Gaussian-like spread of the differences.