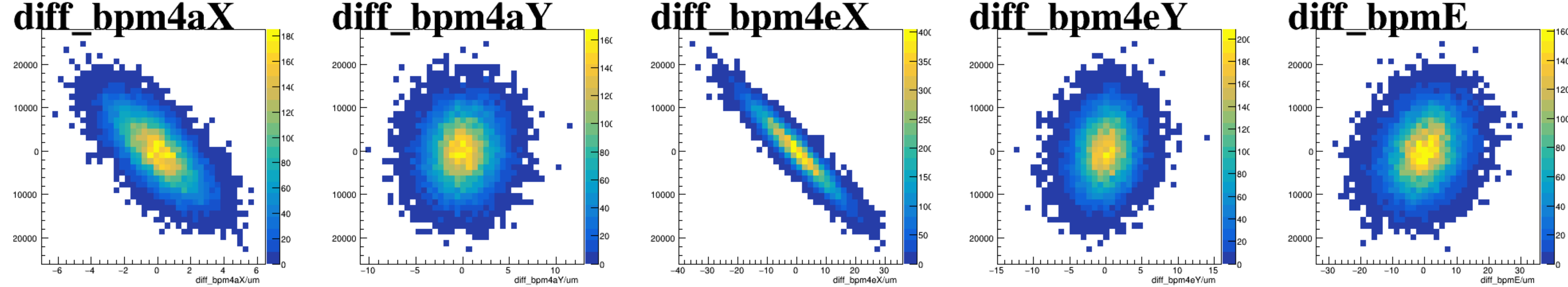
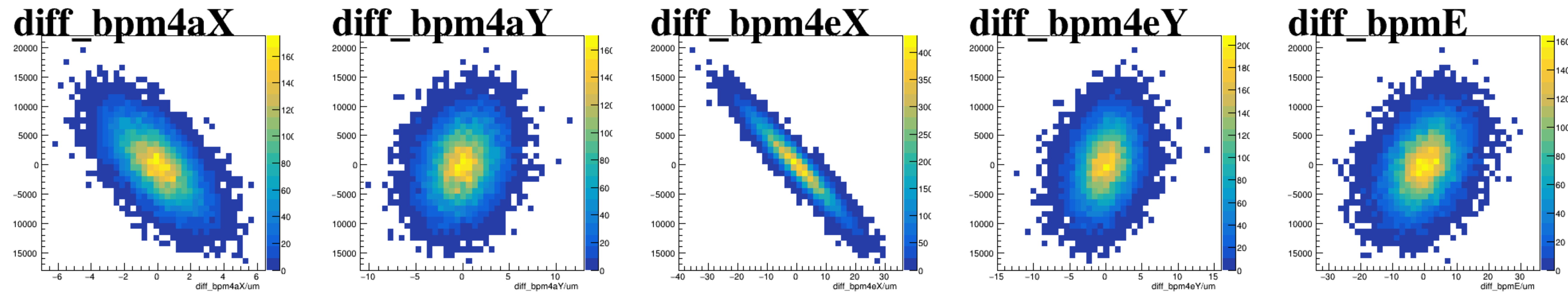


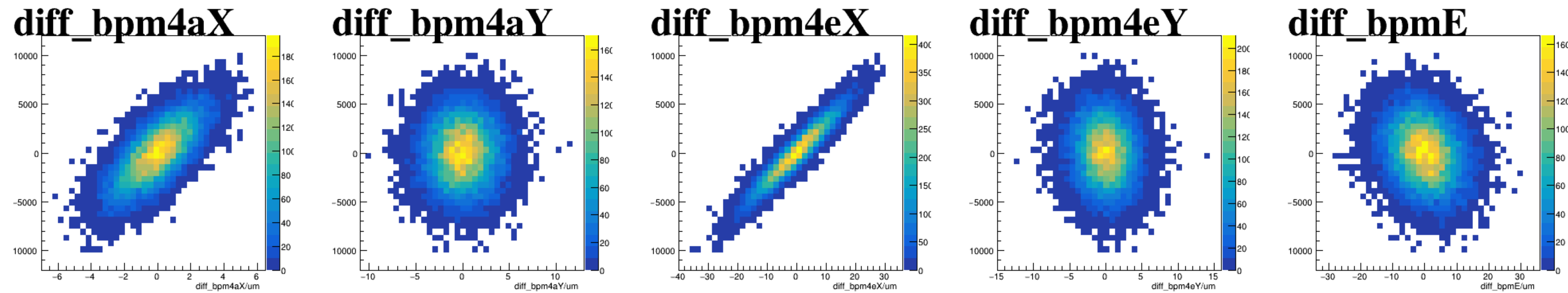
asym_sam2



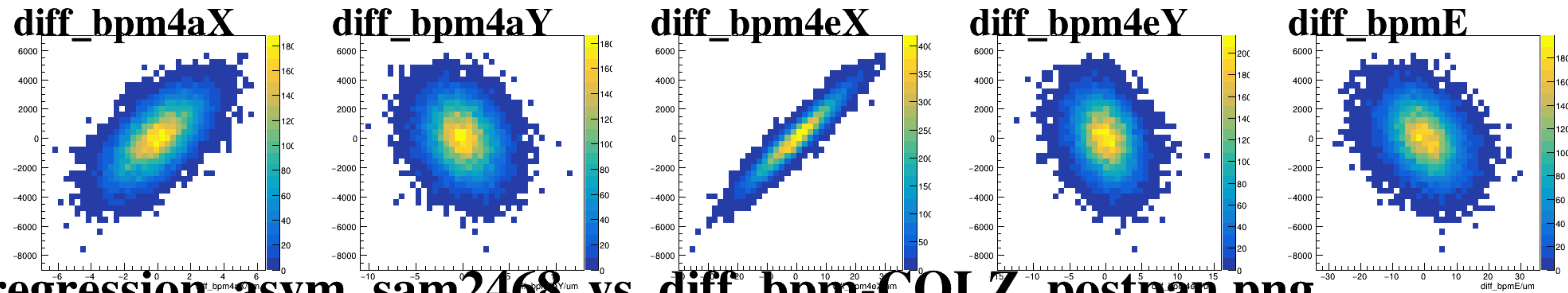
asym_sam4



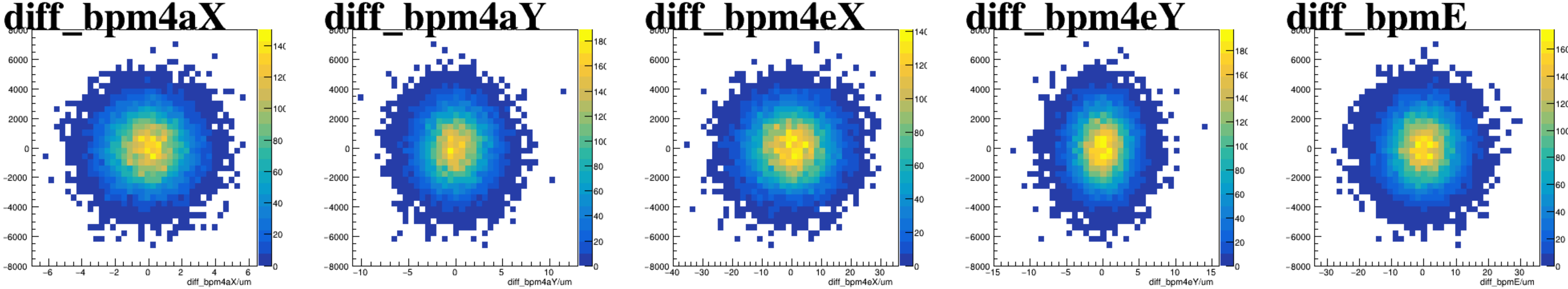
asym_sam6



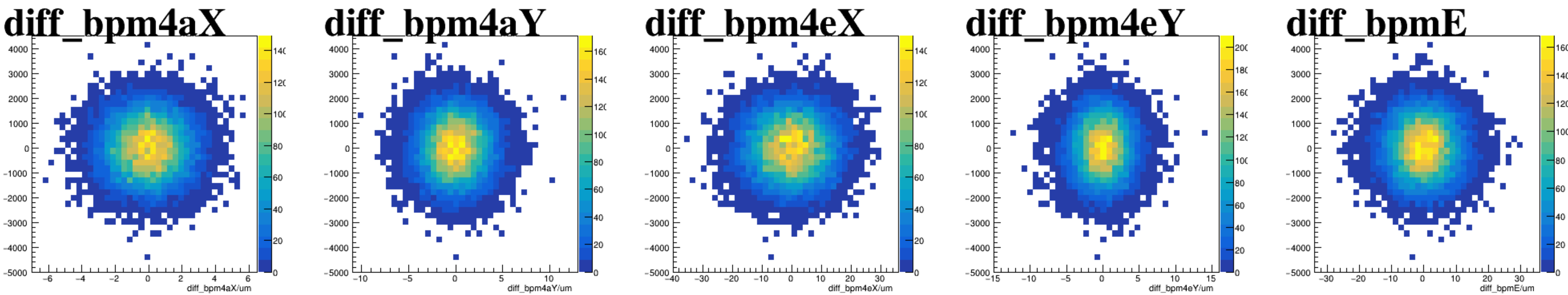
asym_sam8



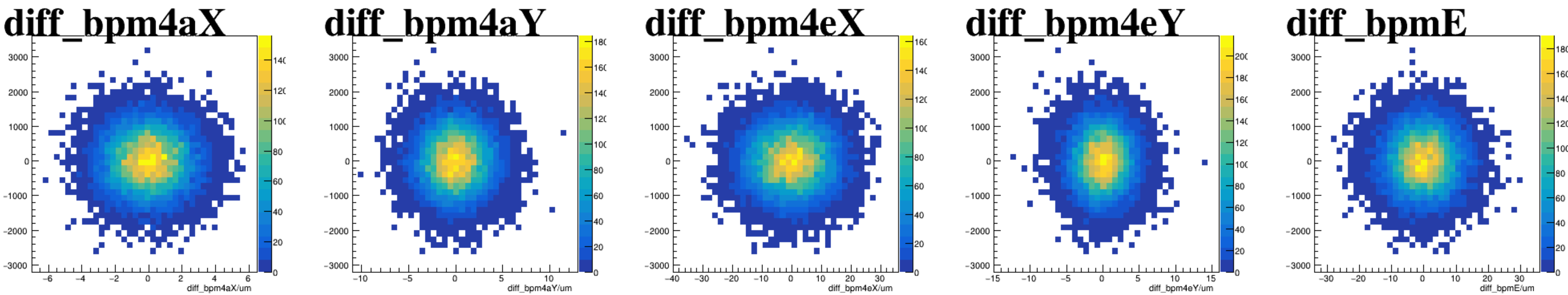
reg_asym_sam2



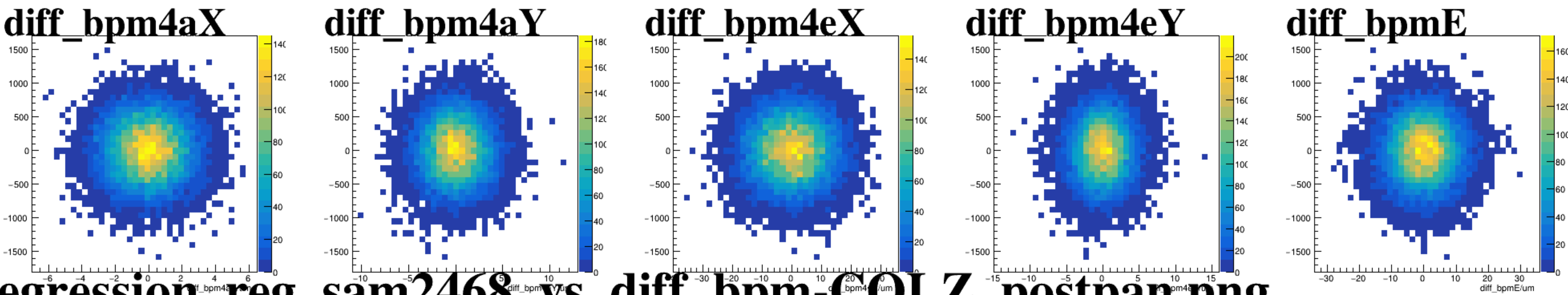
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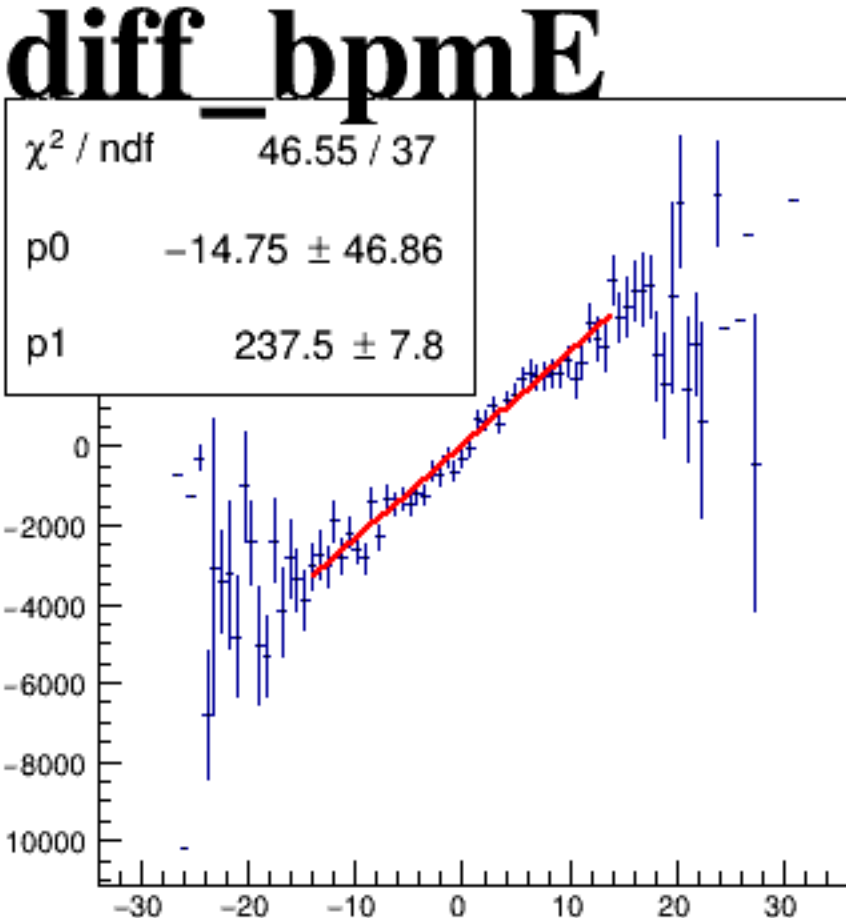
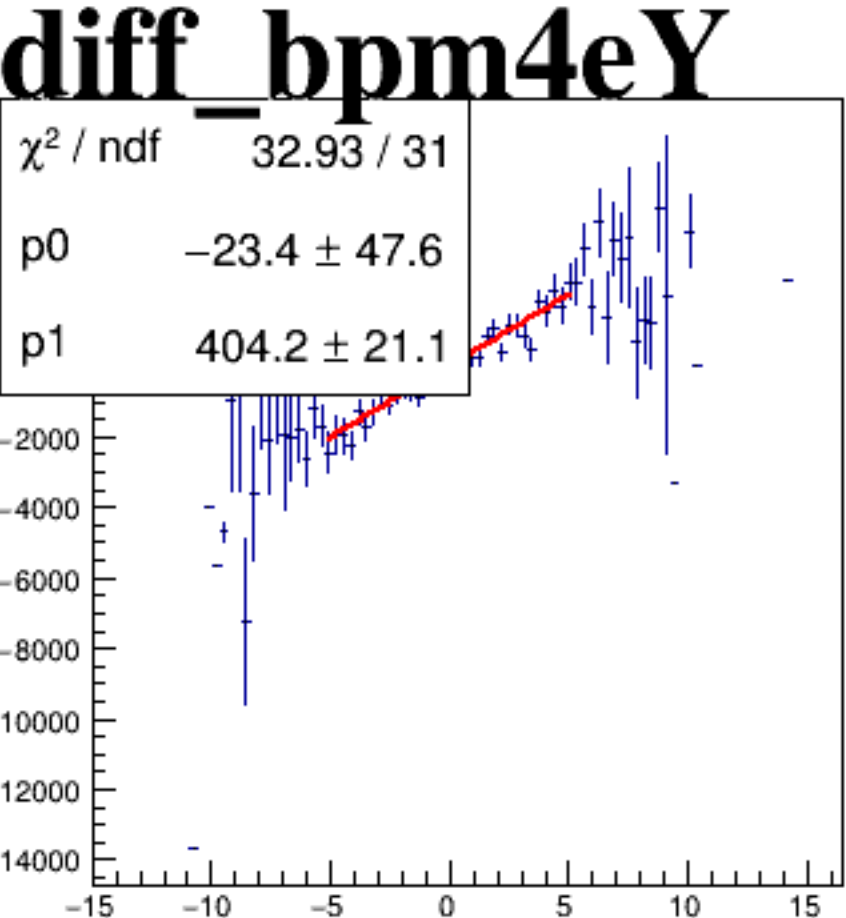
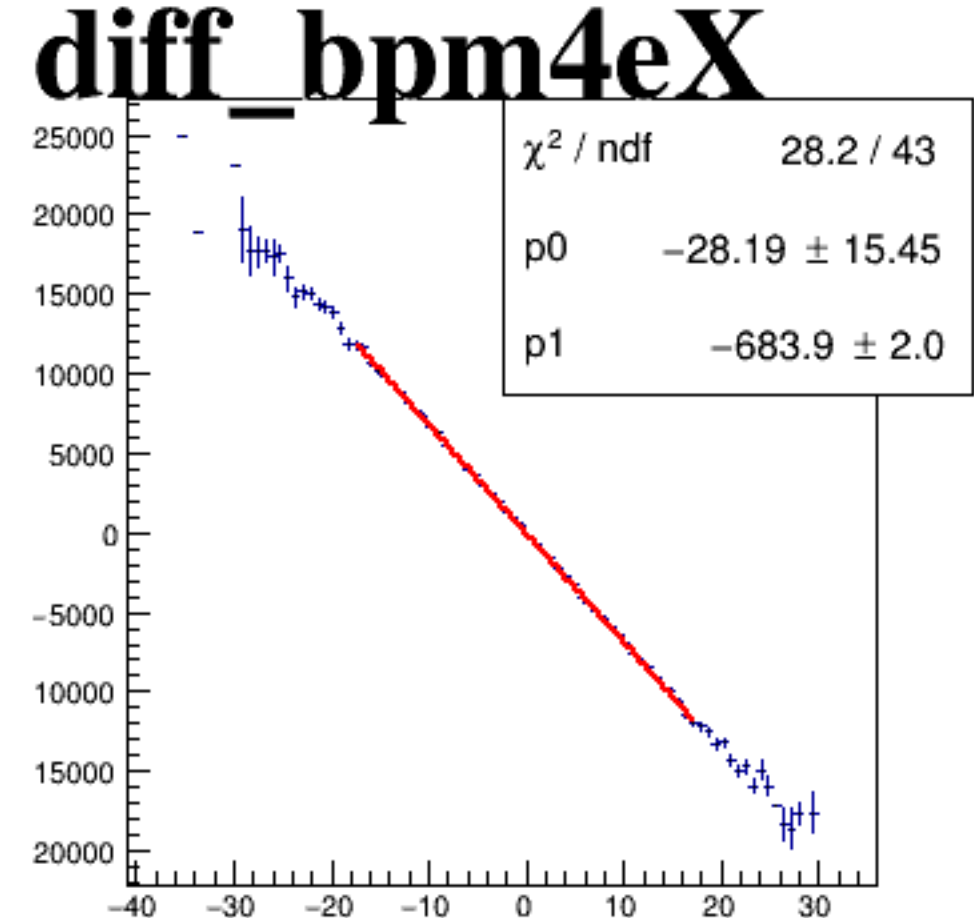
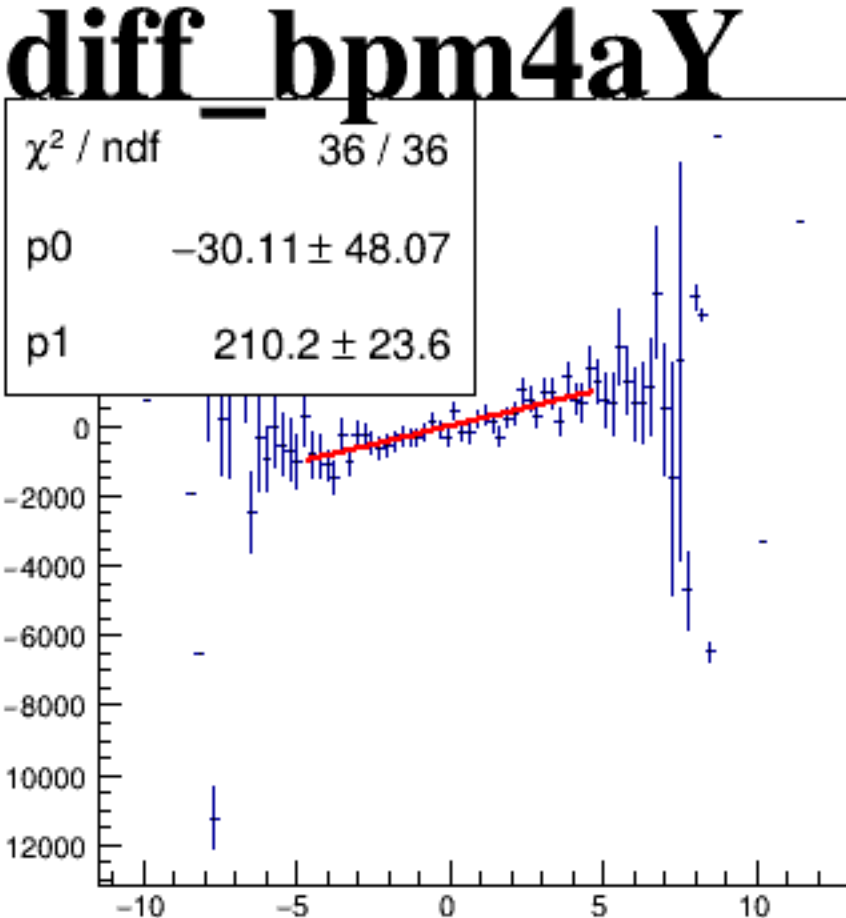
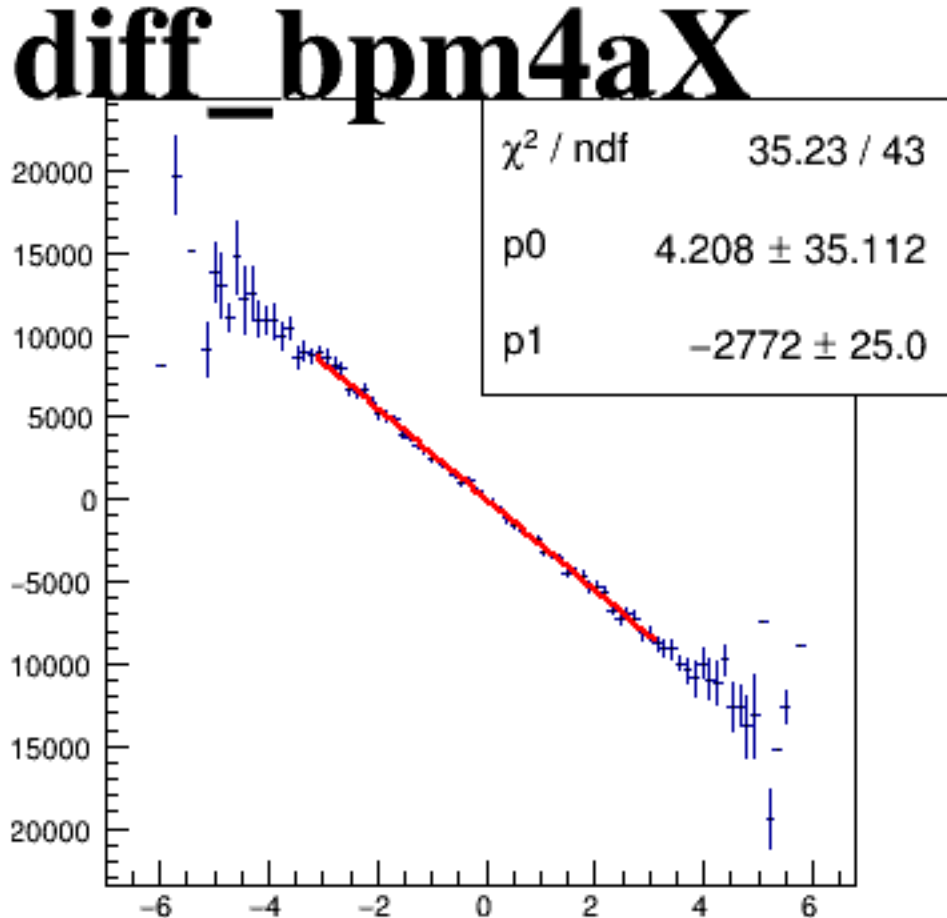
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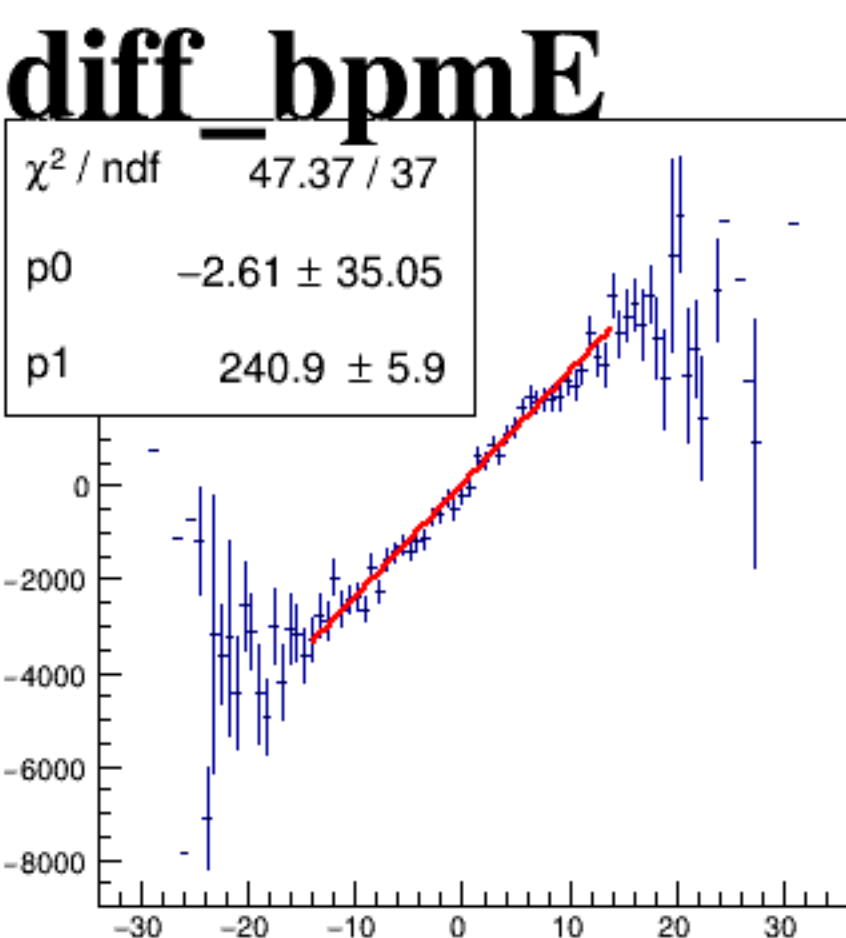
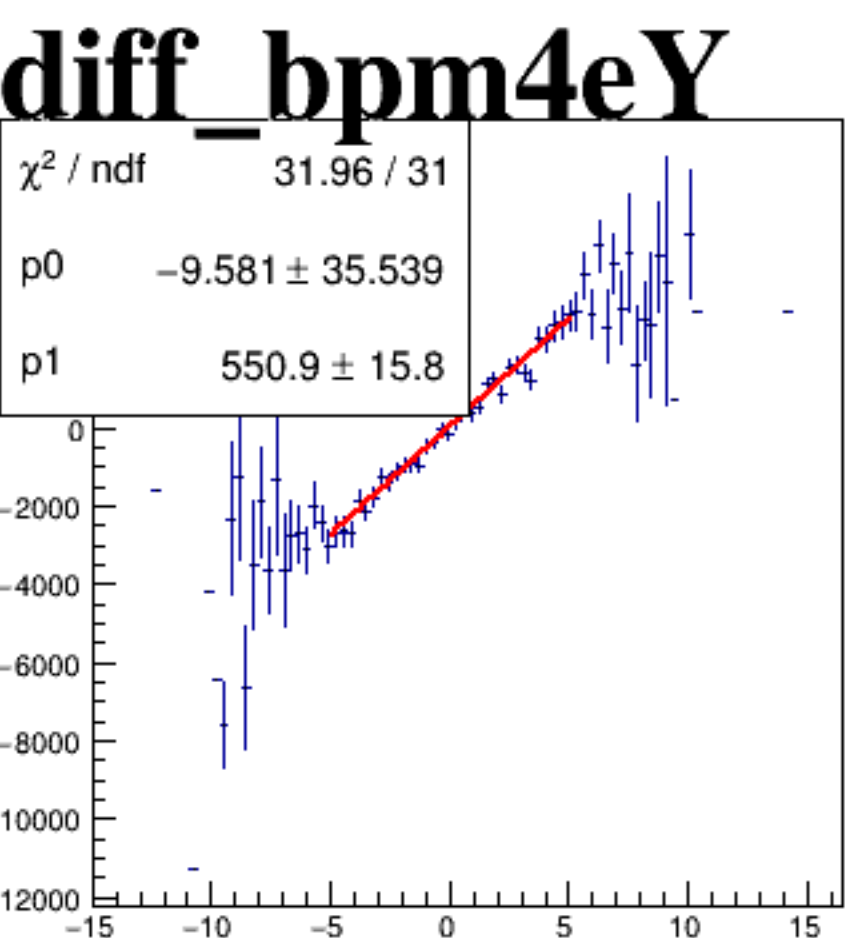
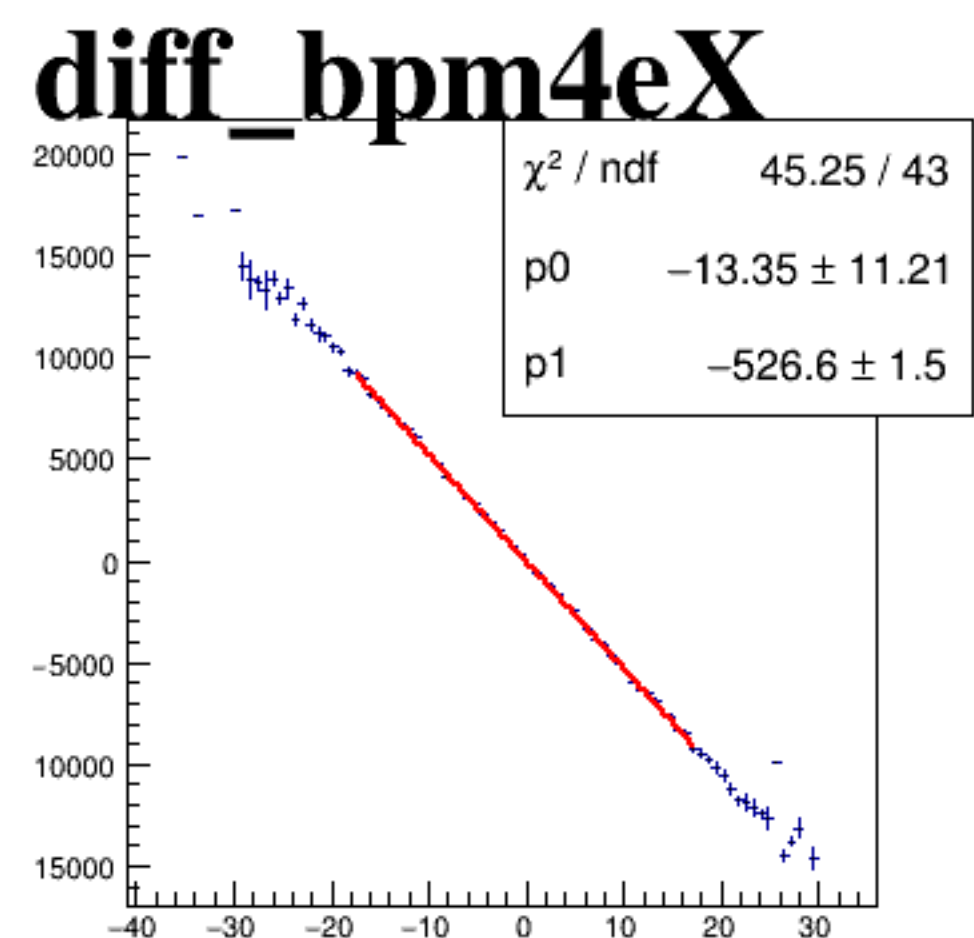
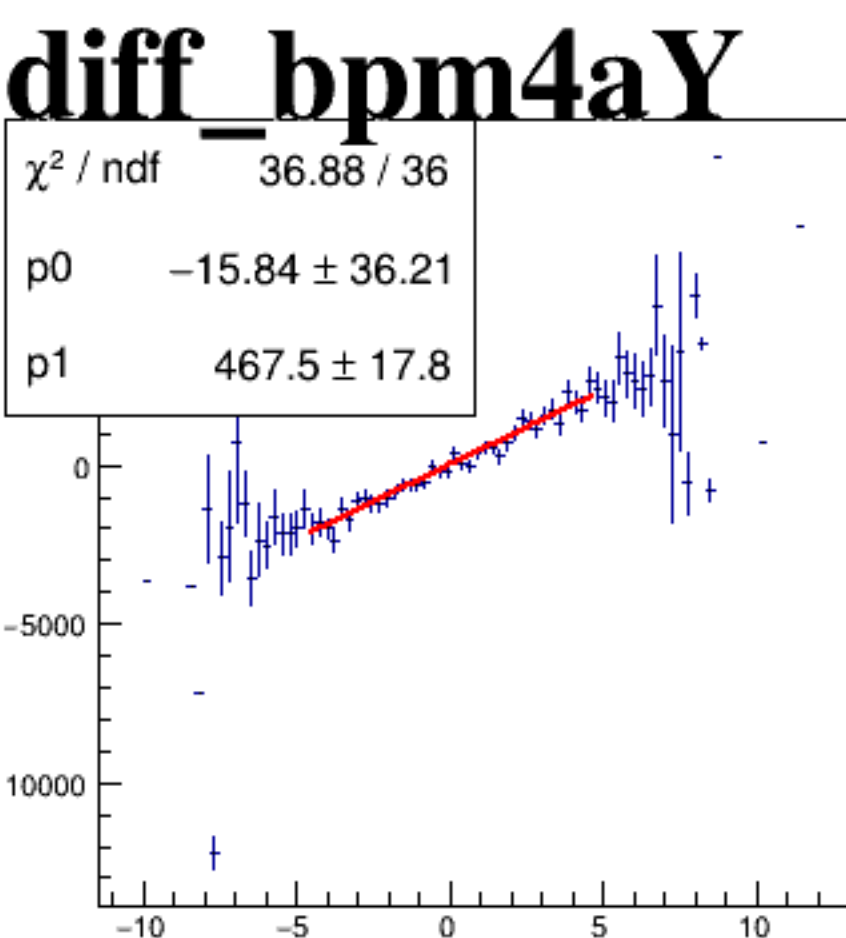
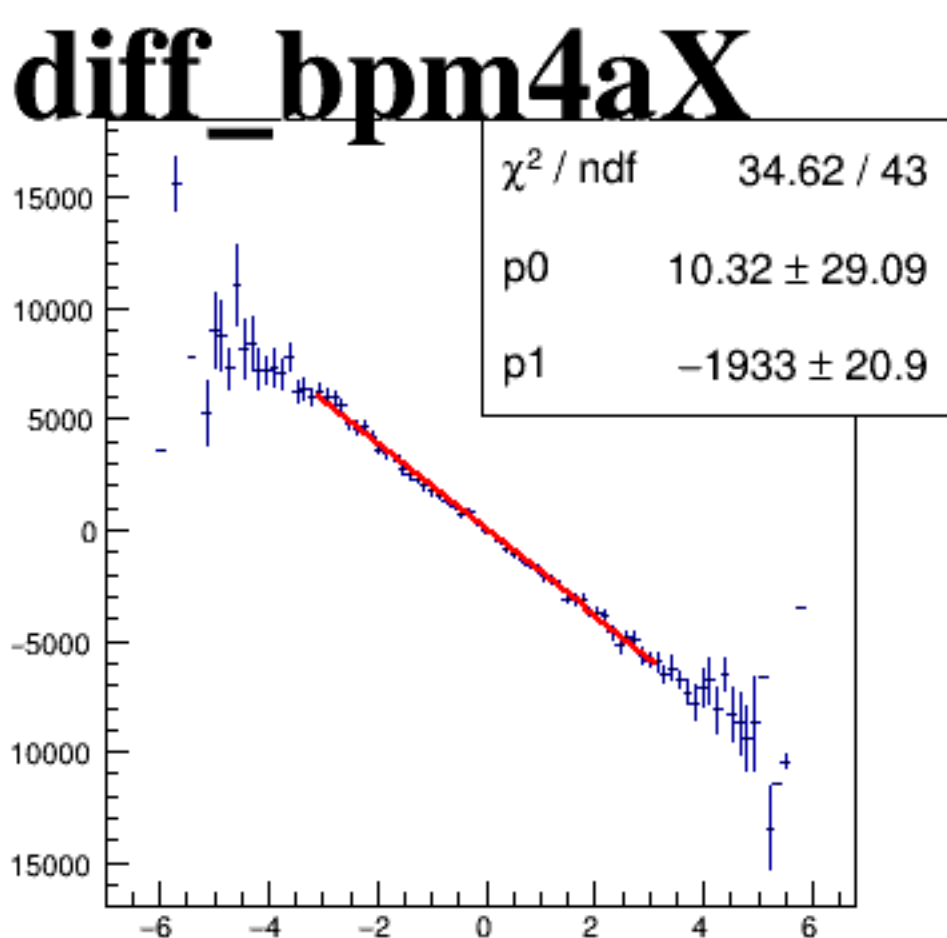
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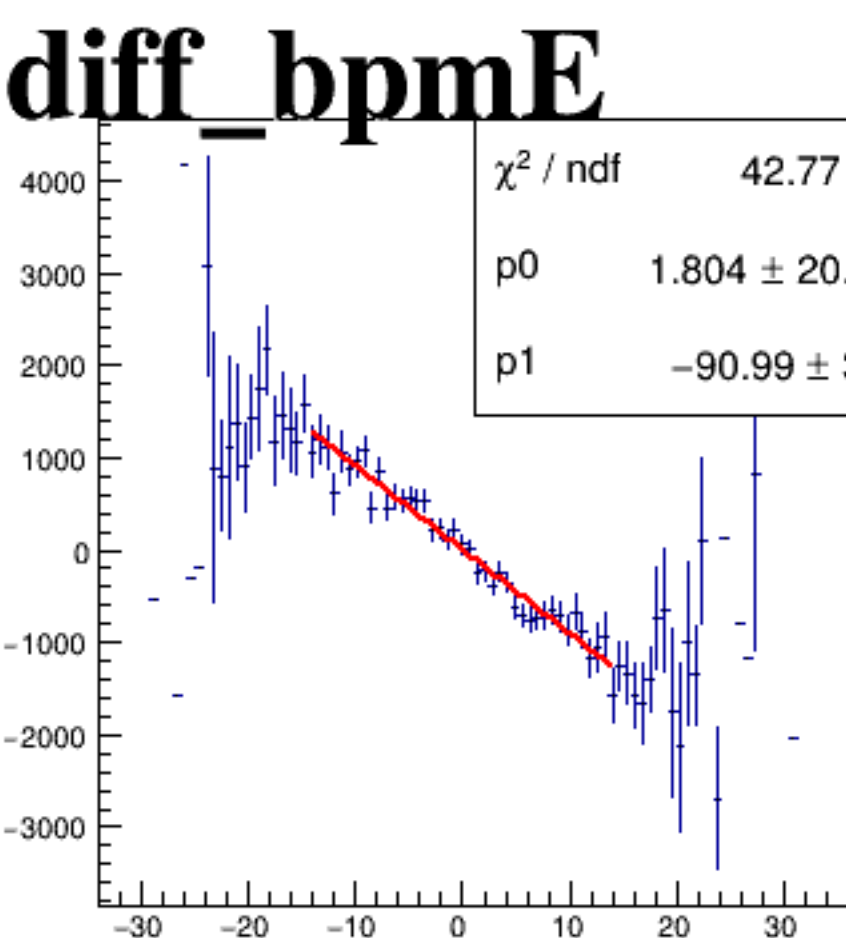
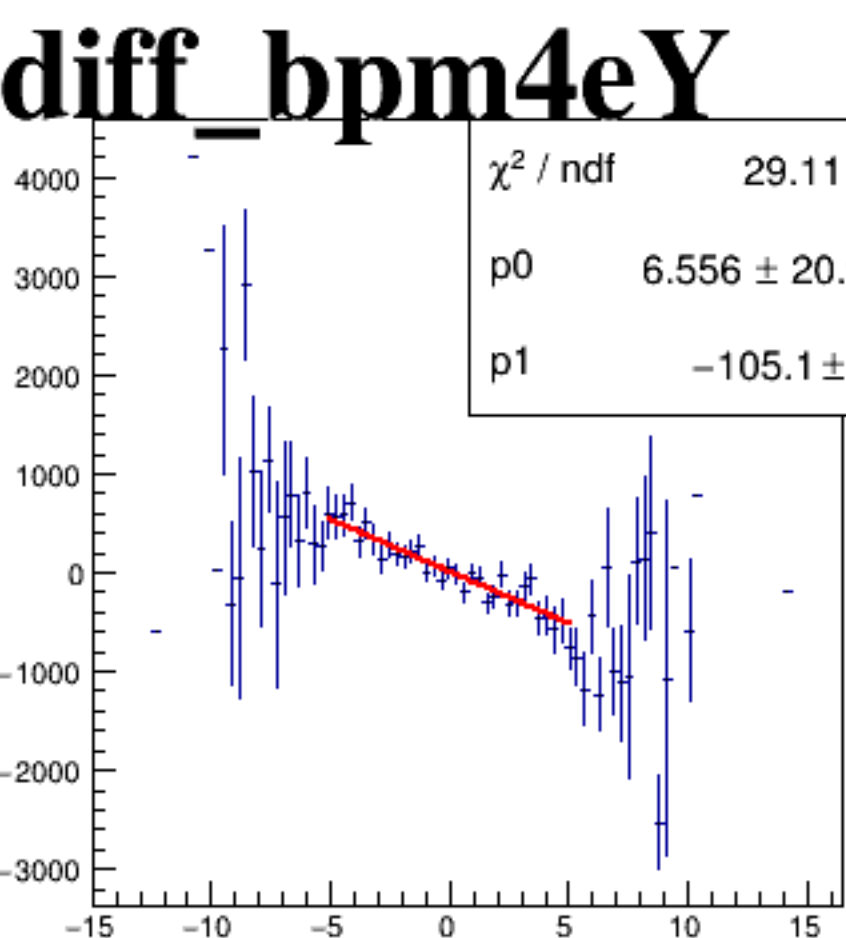
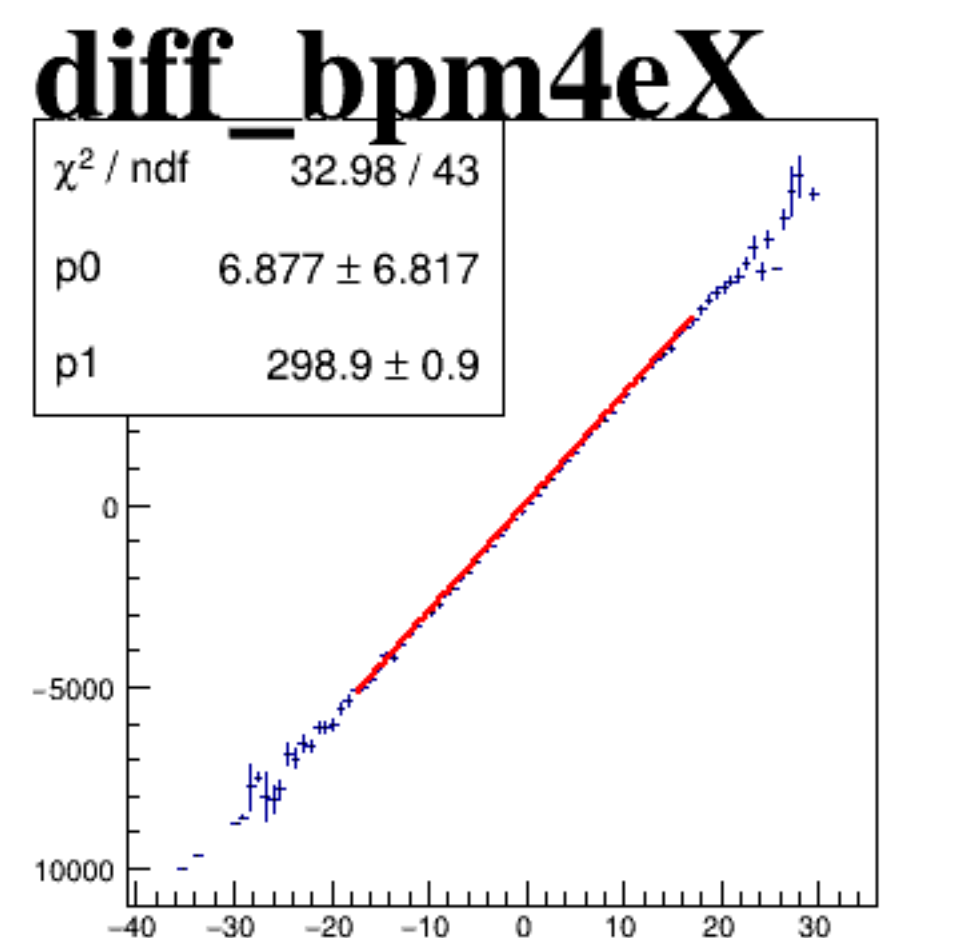
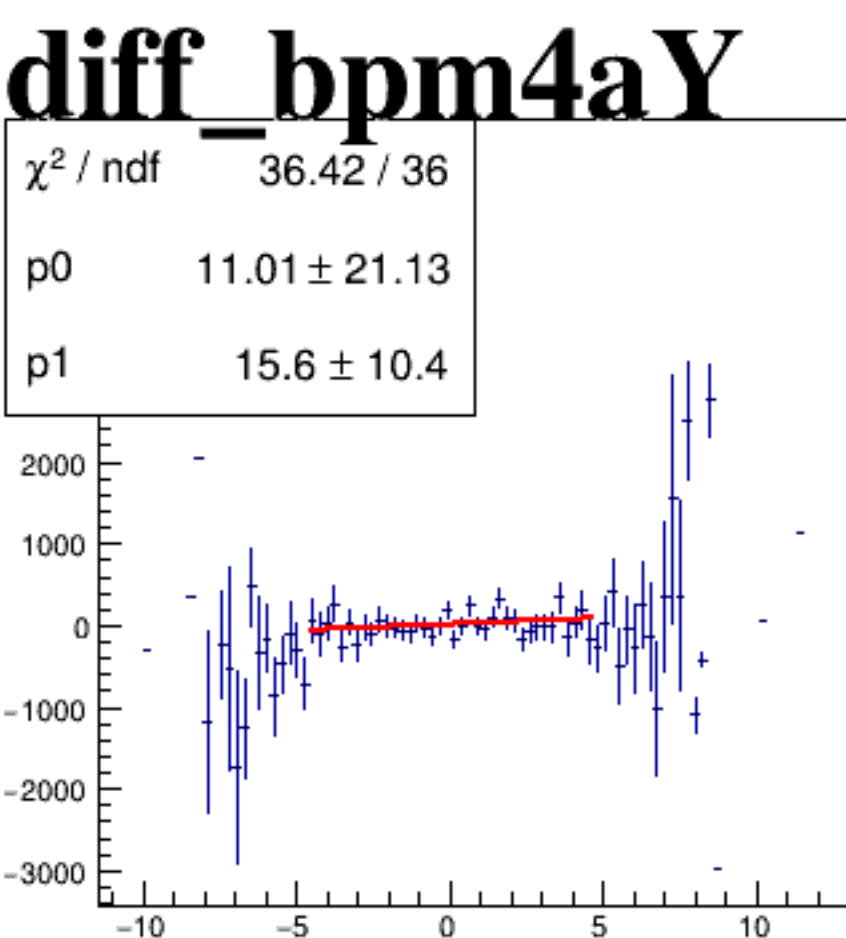
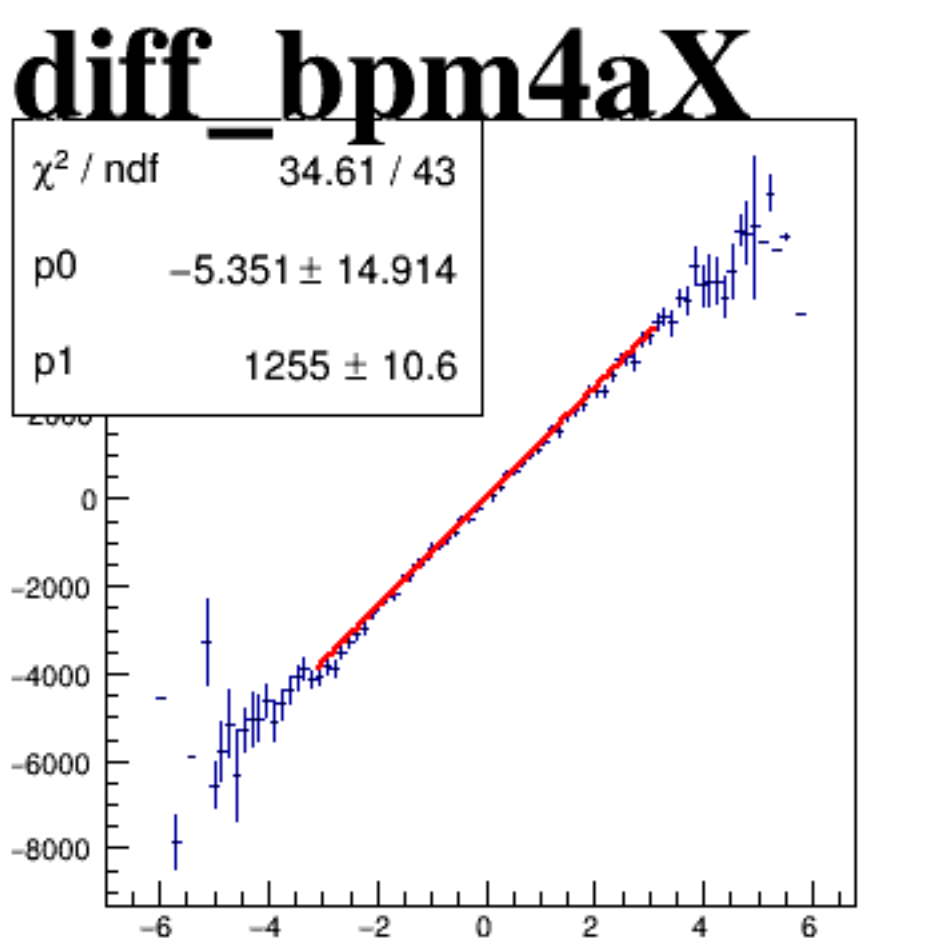
asym_sam2



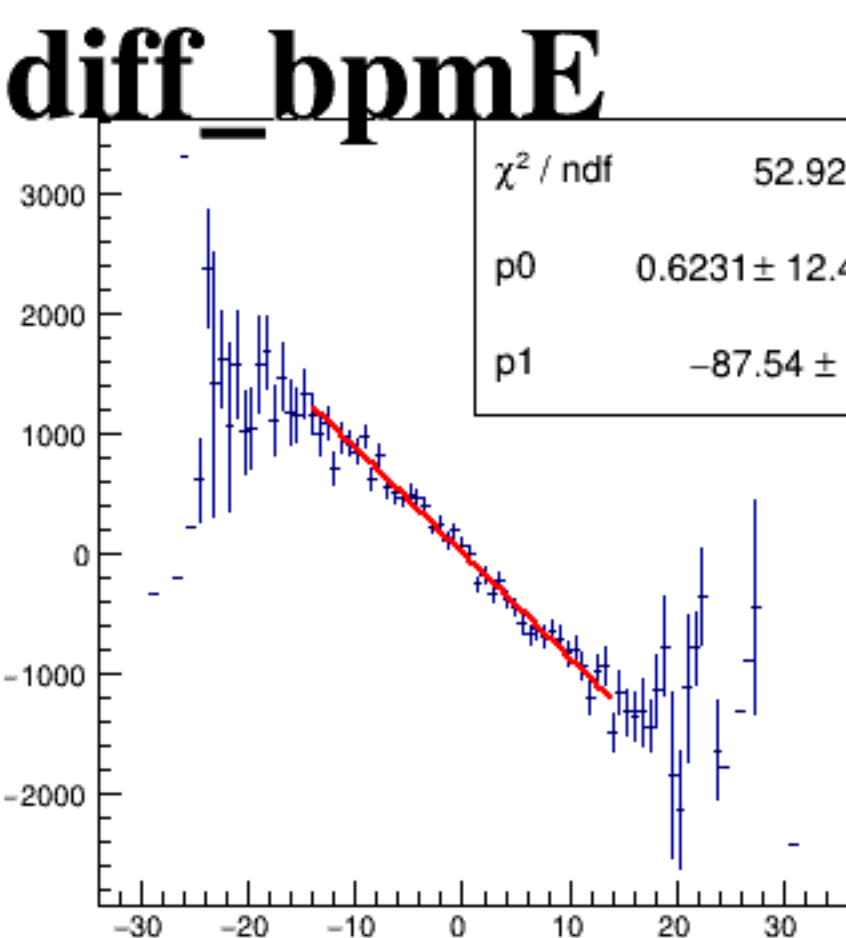
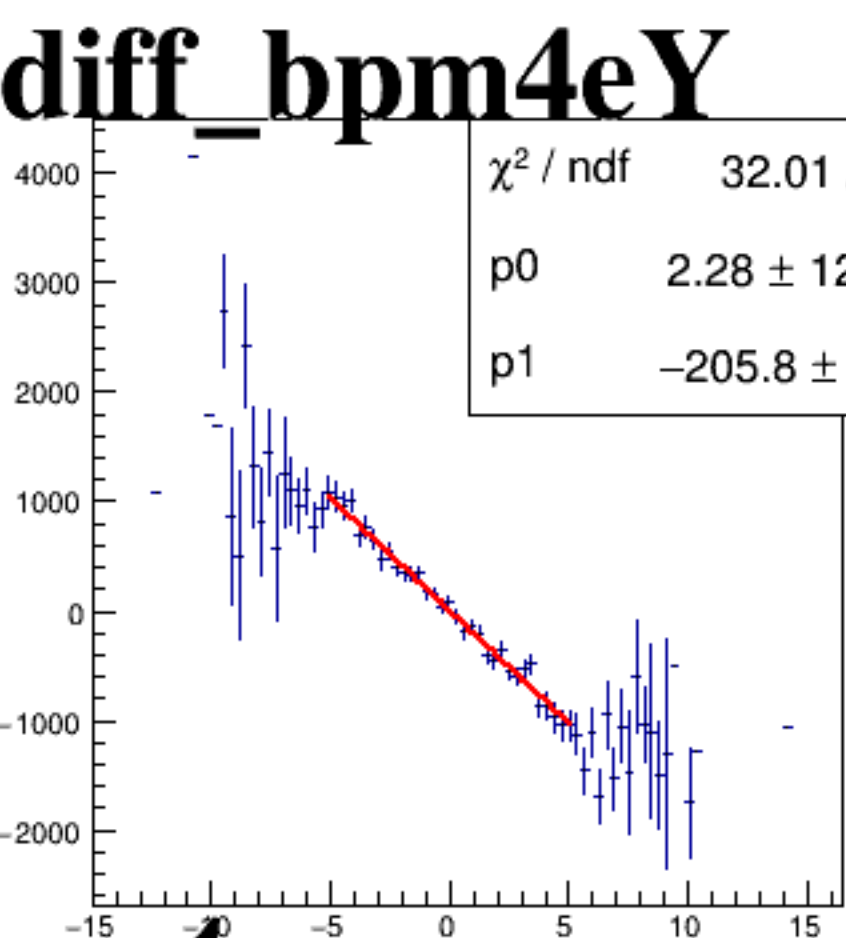
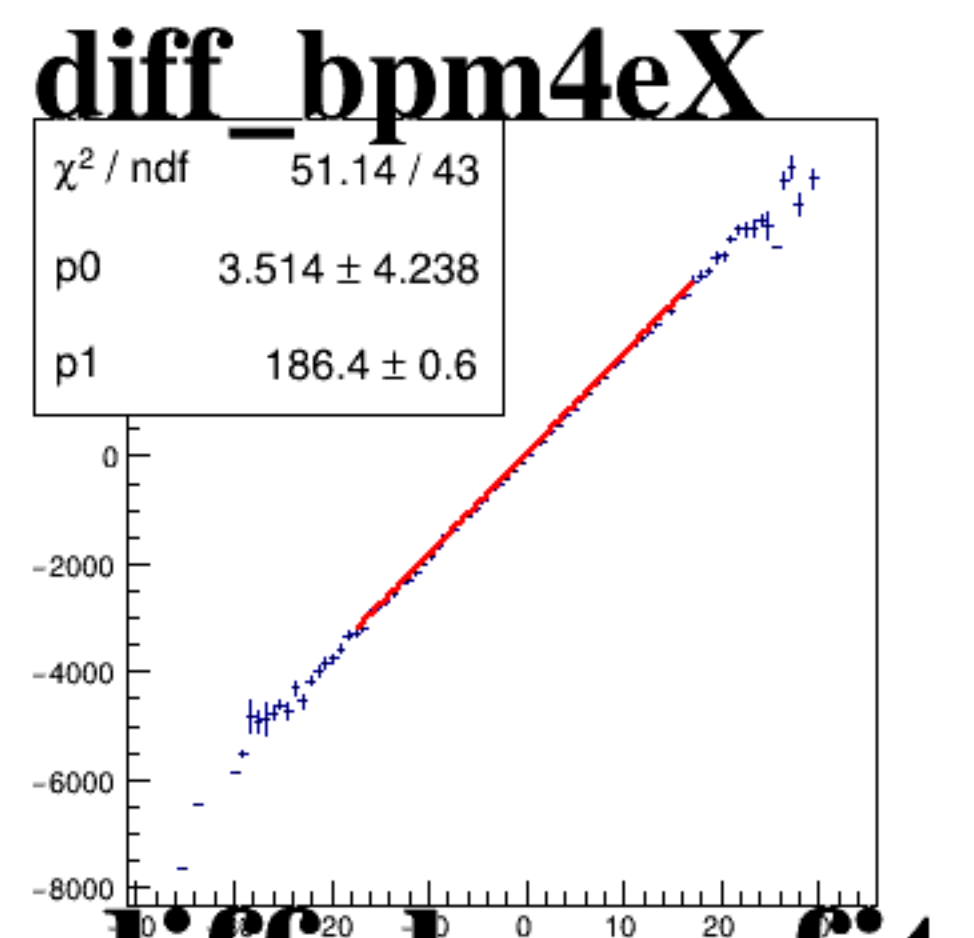
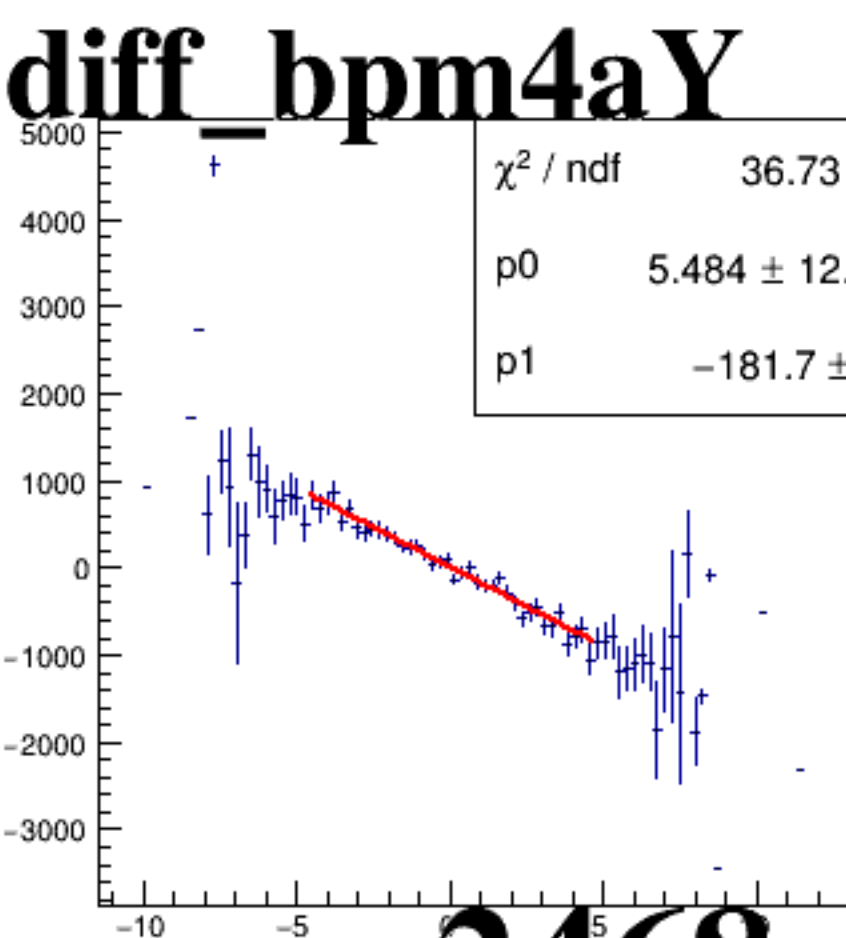
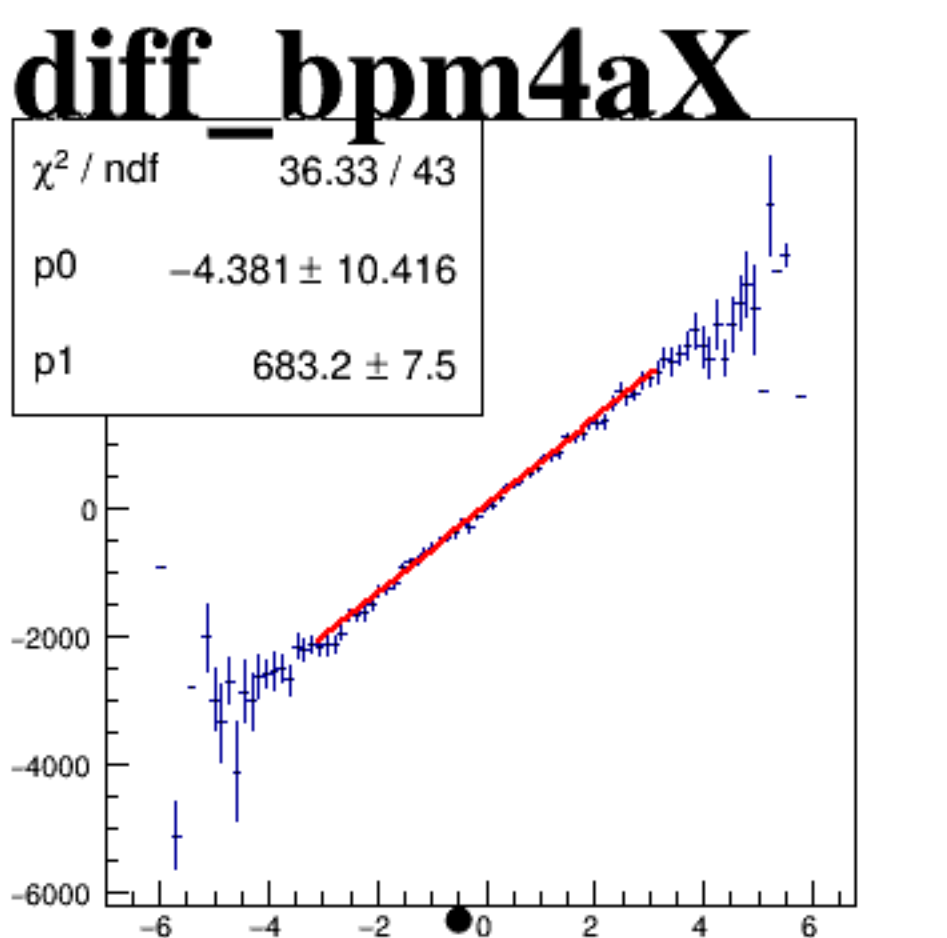
asym_sam4



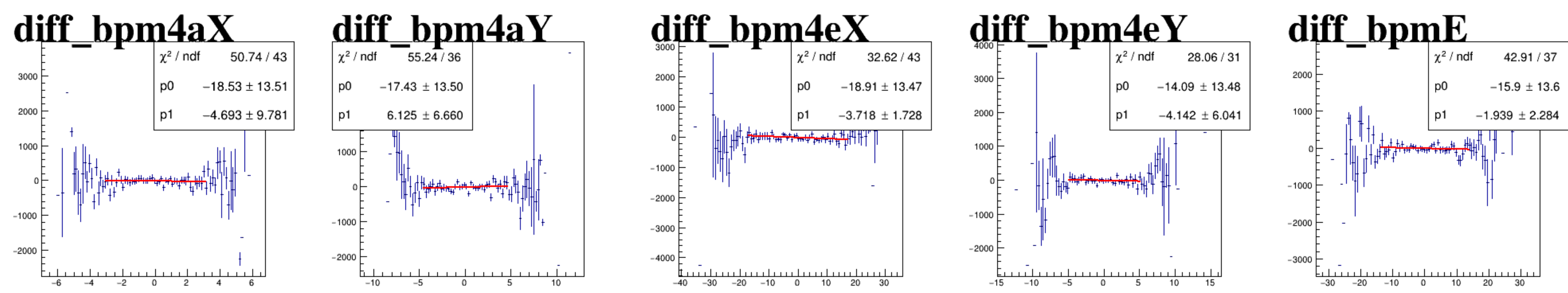
asym_sam6



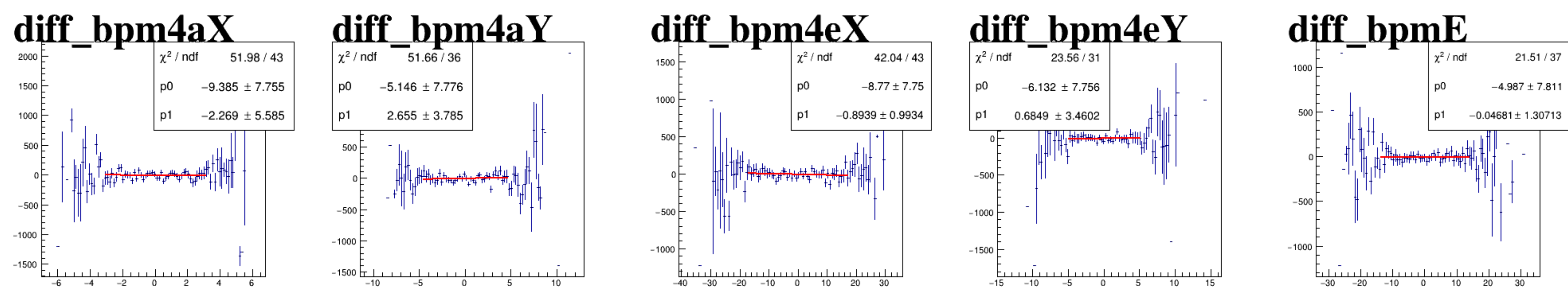
asym_sam8



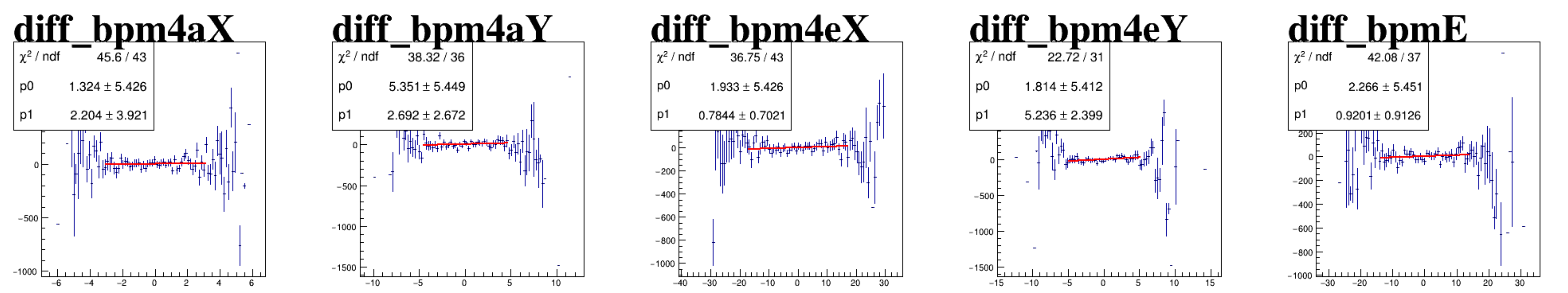
reg_asym_sam2



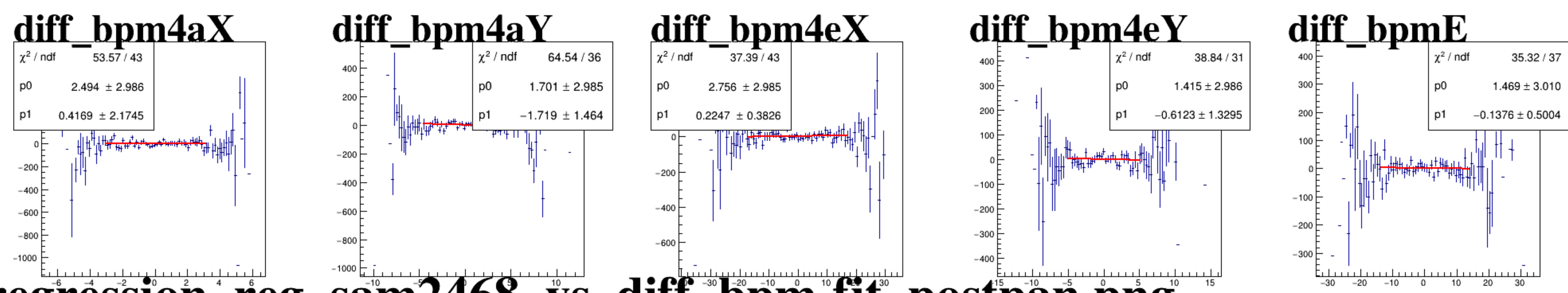
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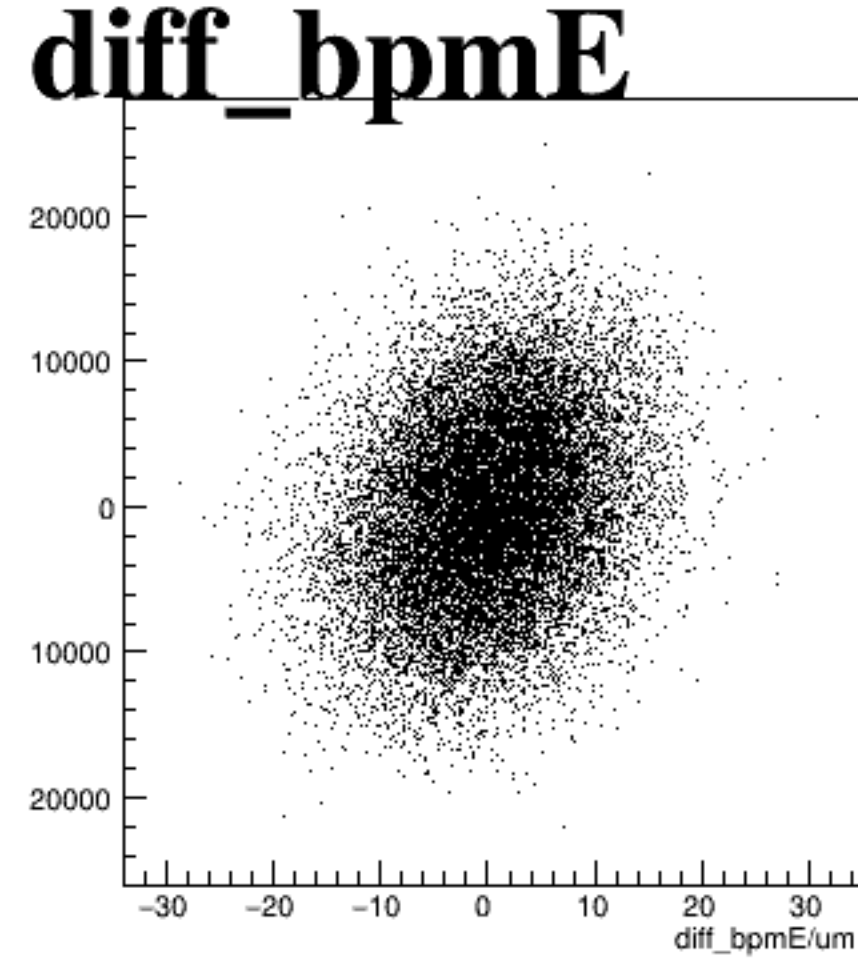
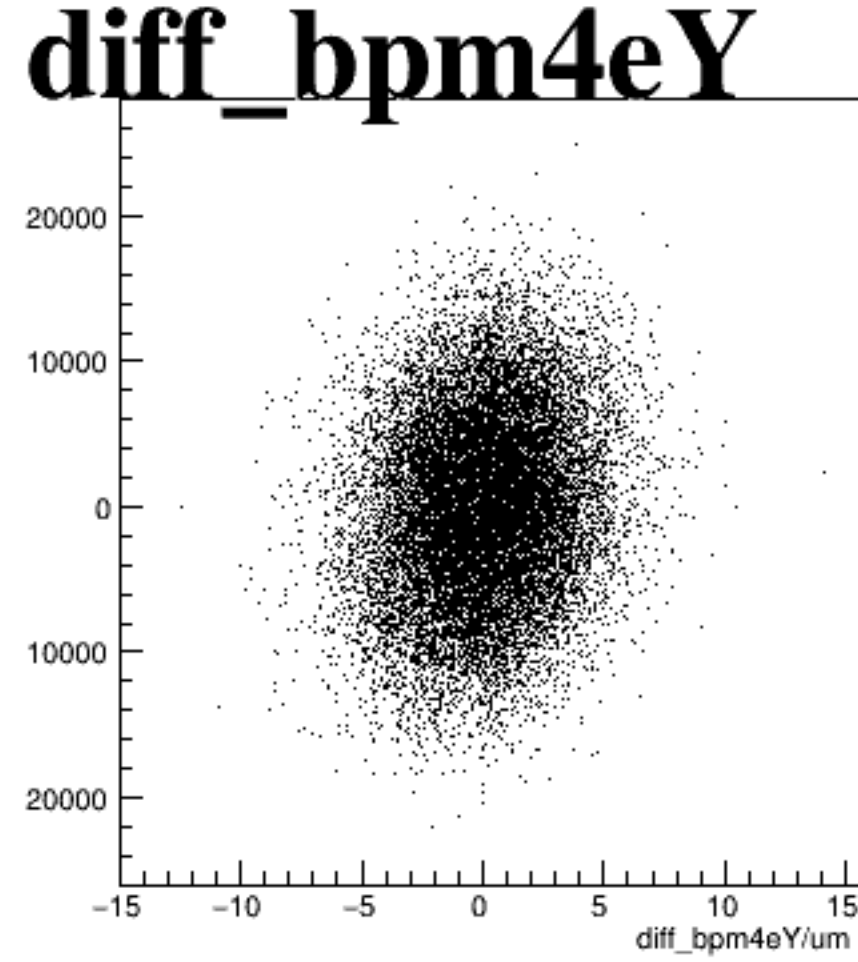
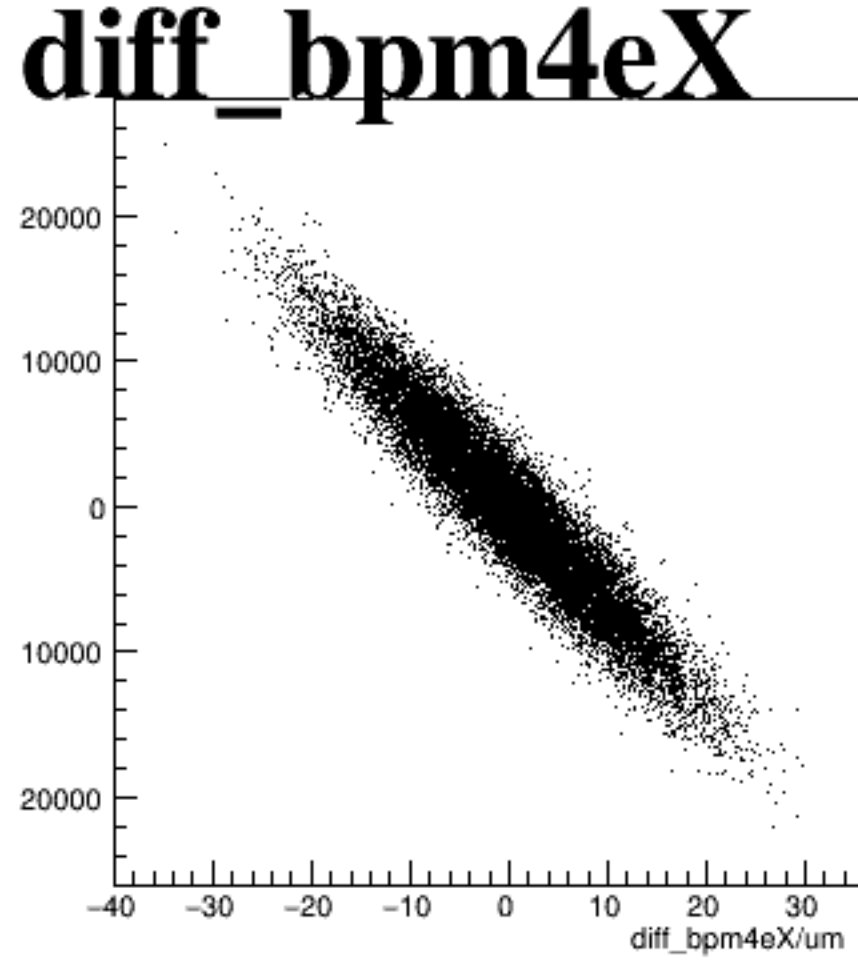
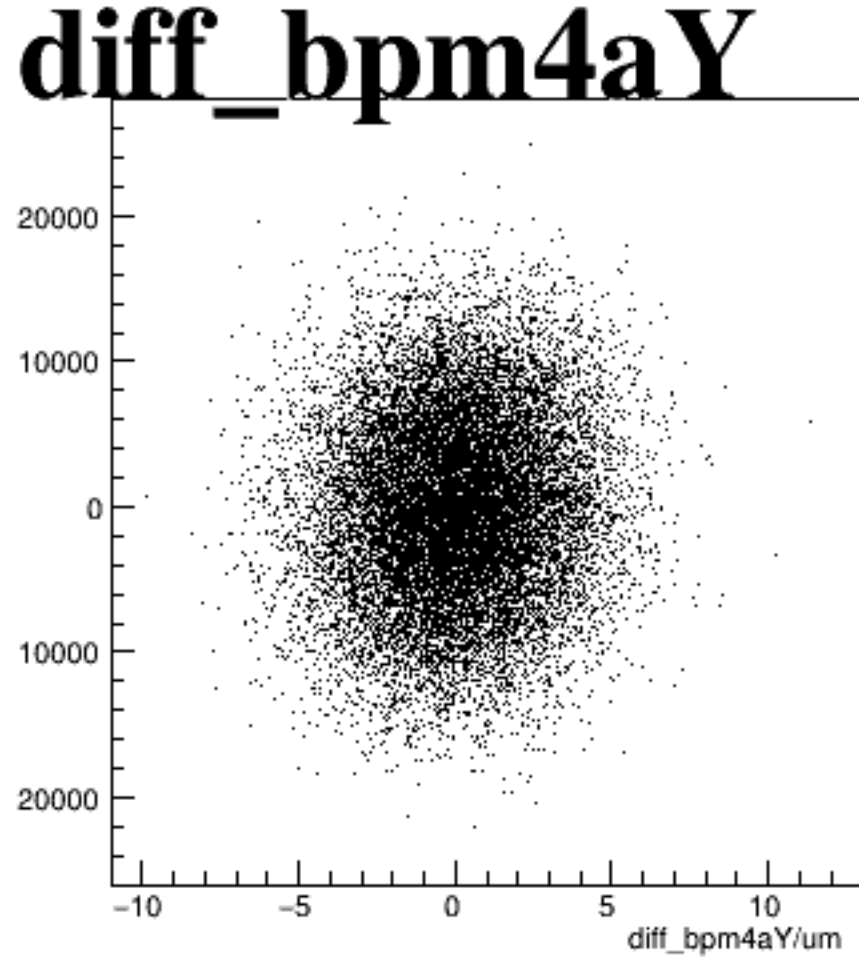
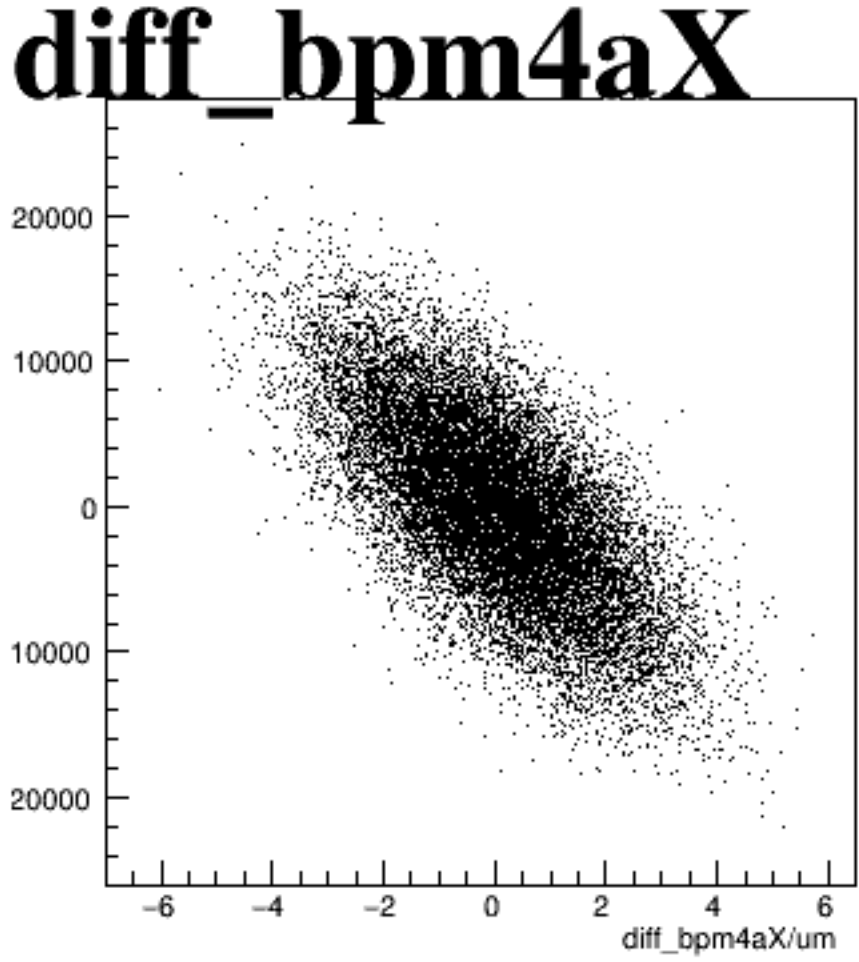
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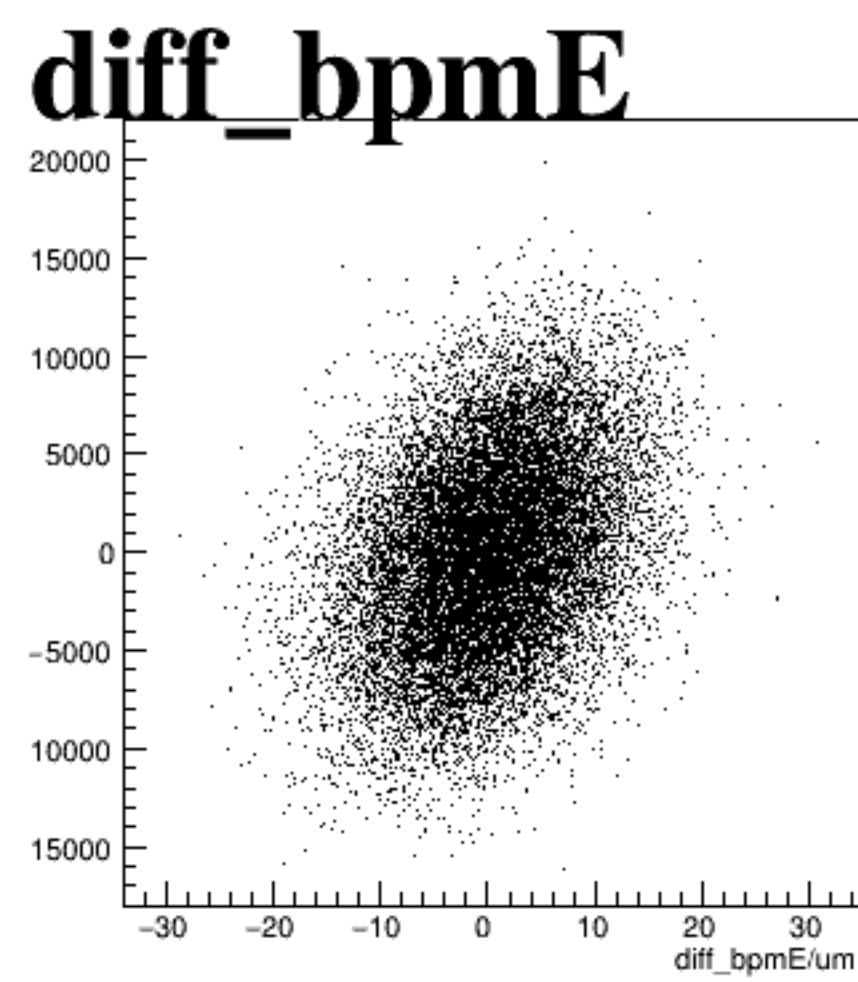
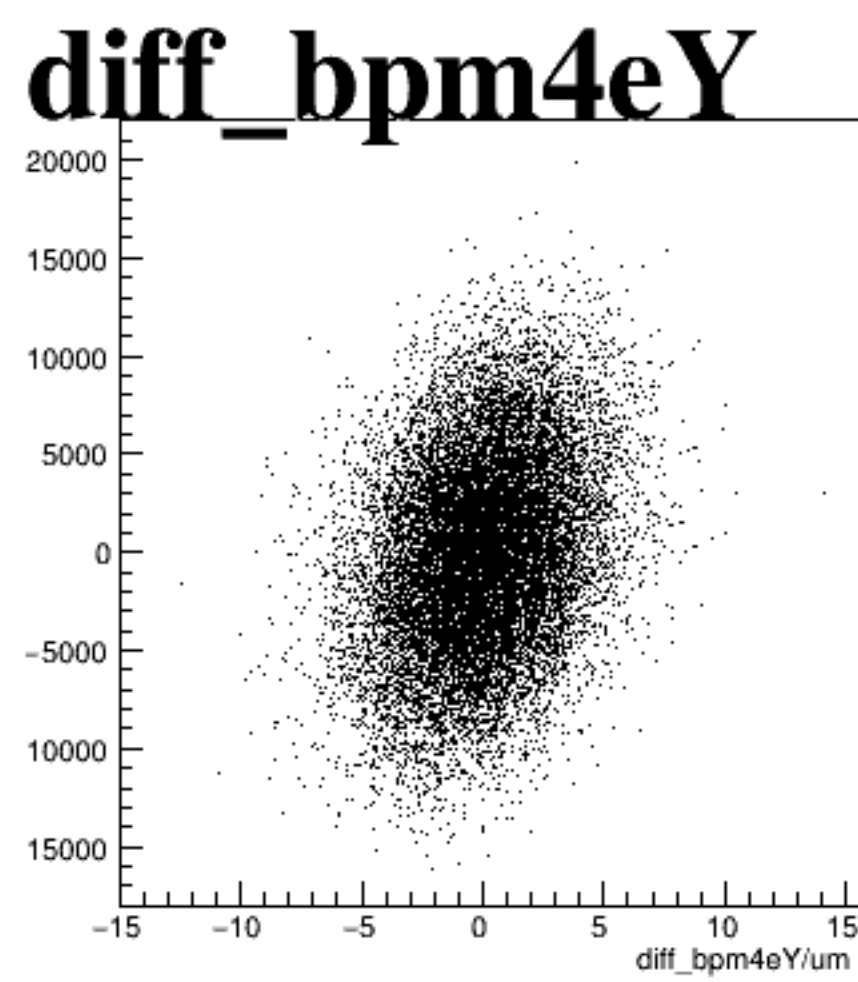
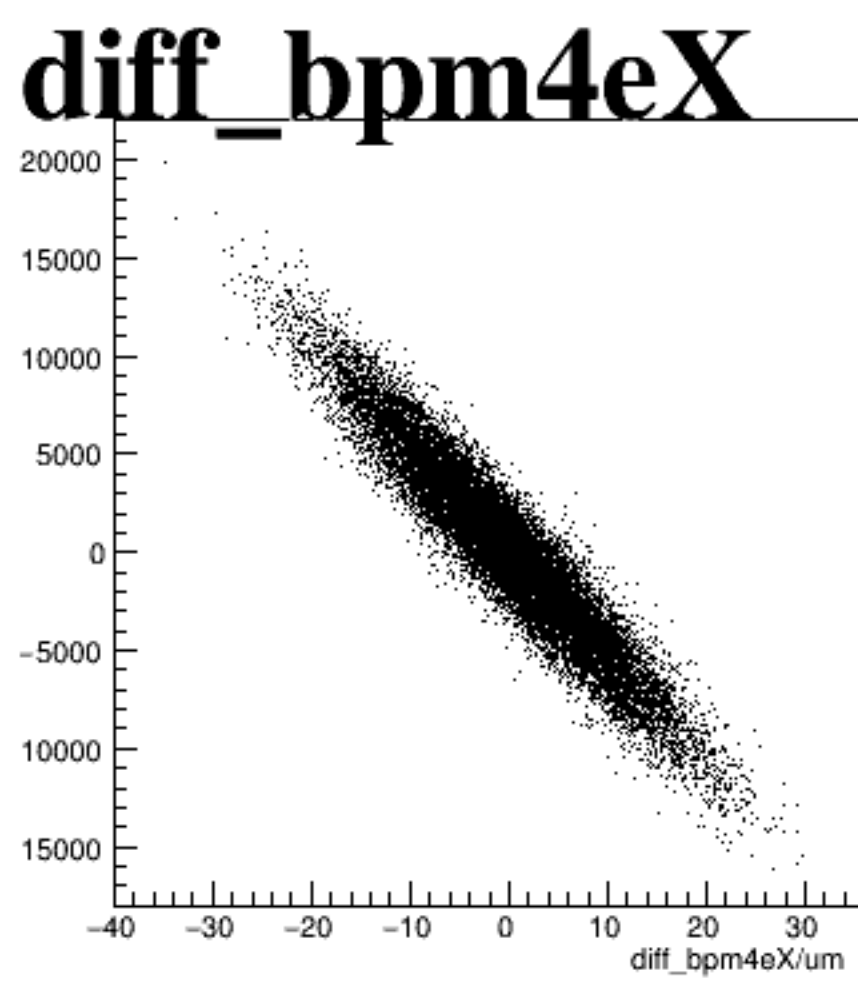
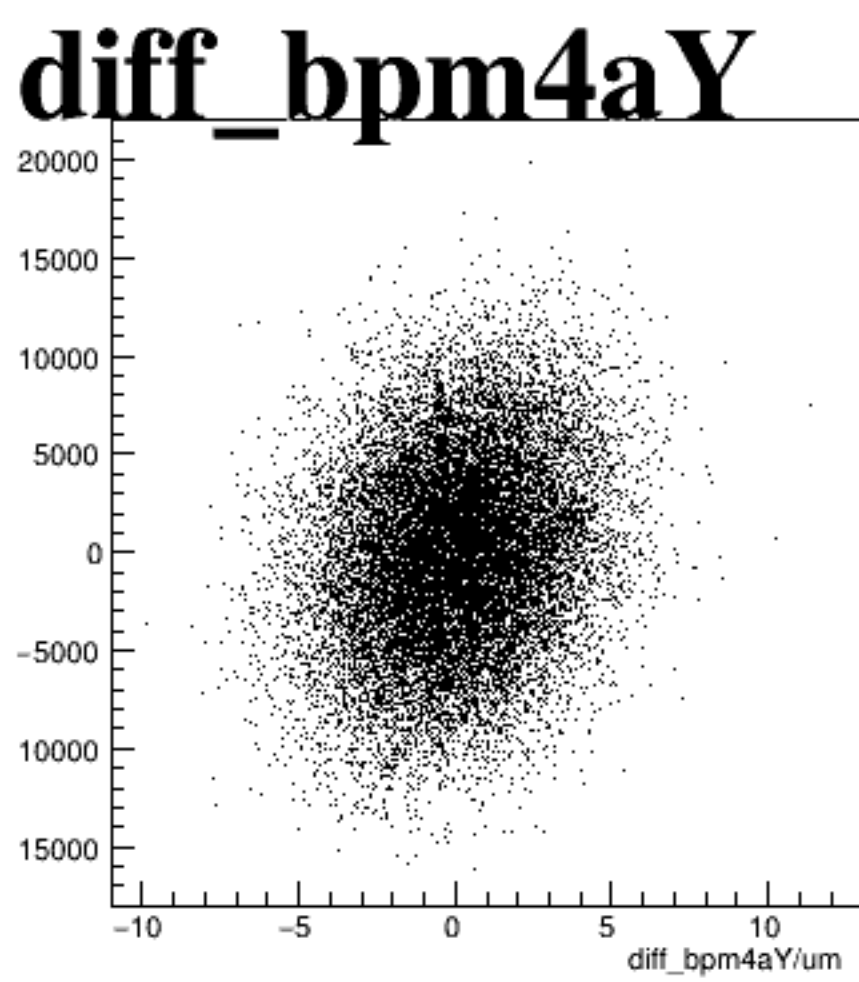
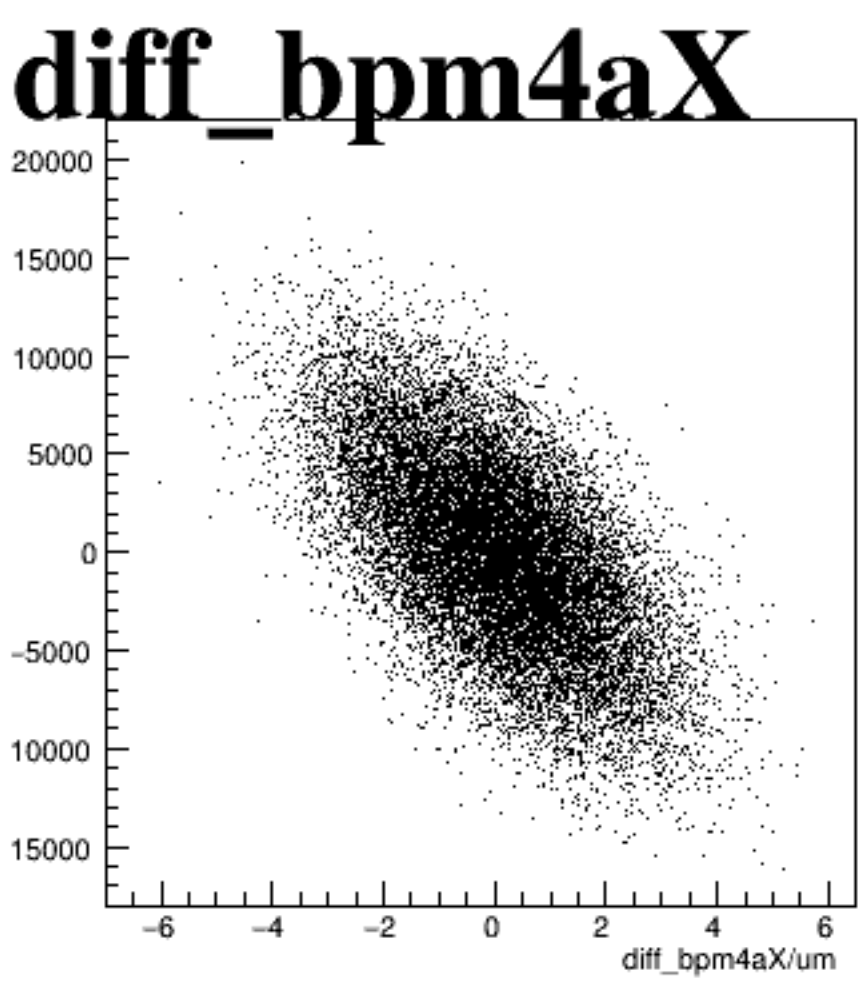
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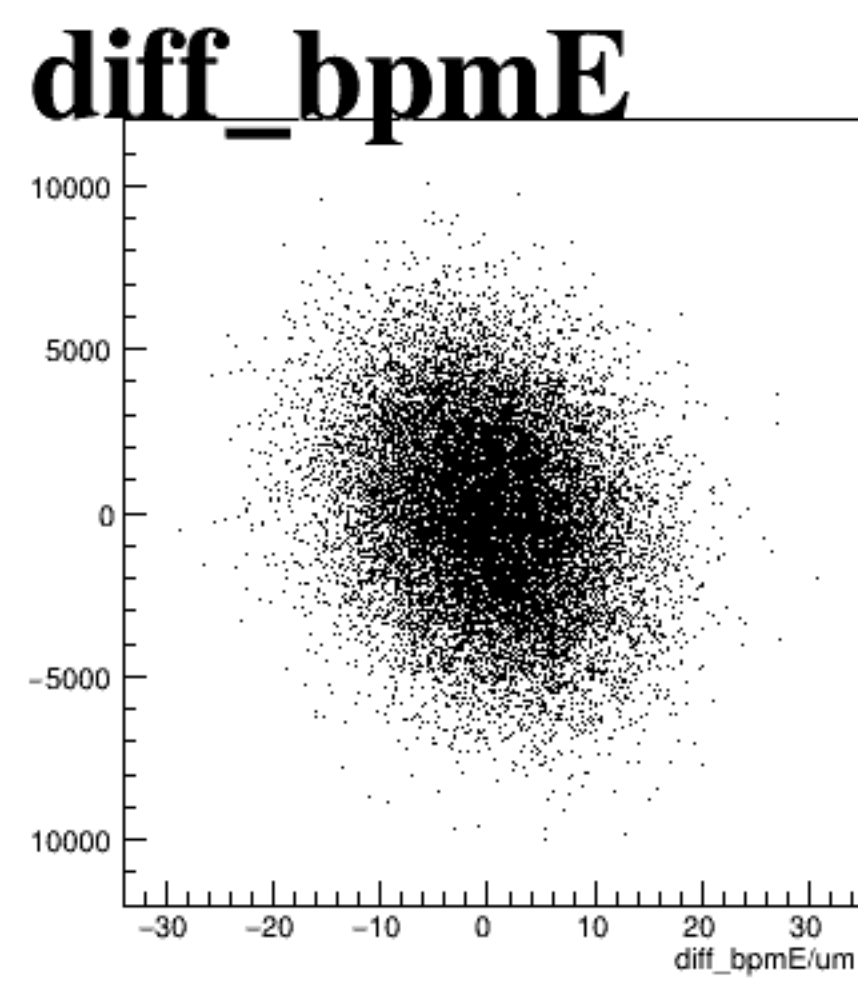
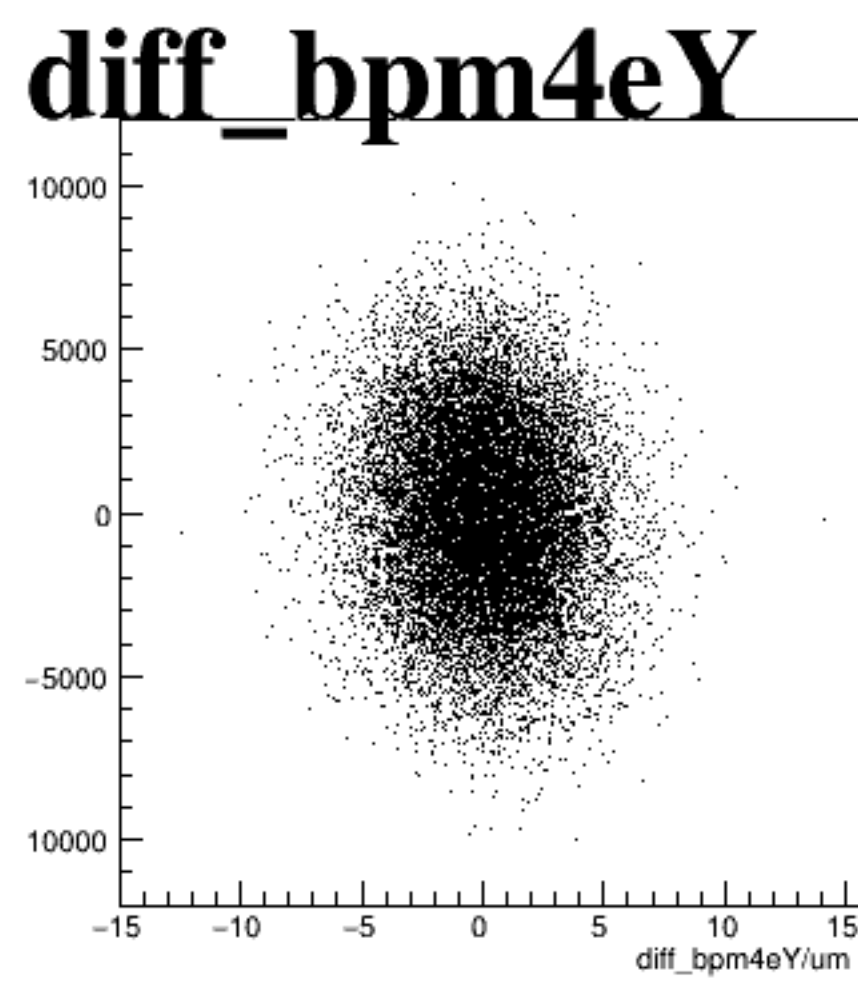
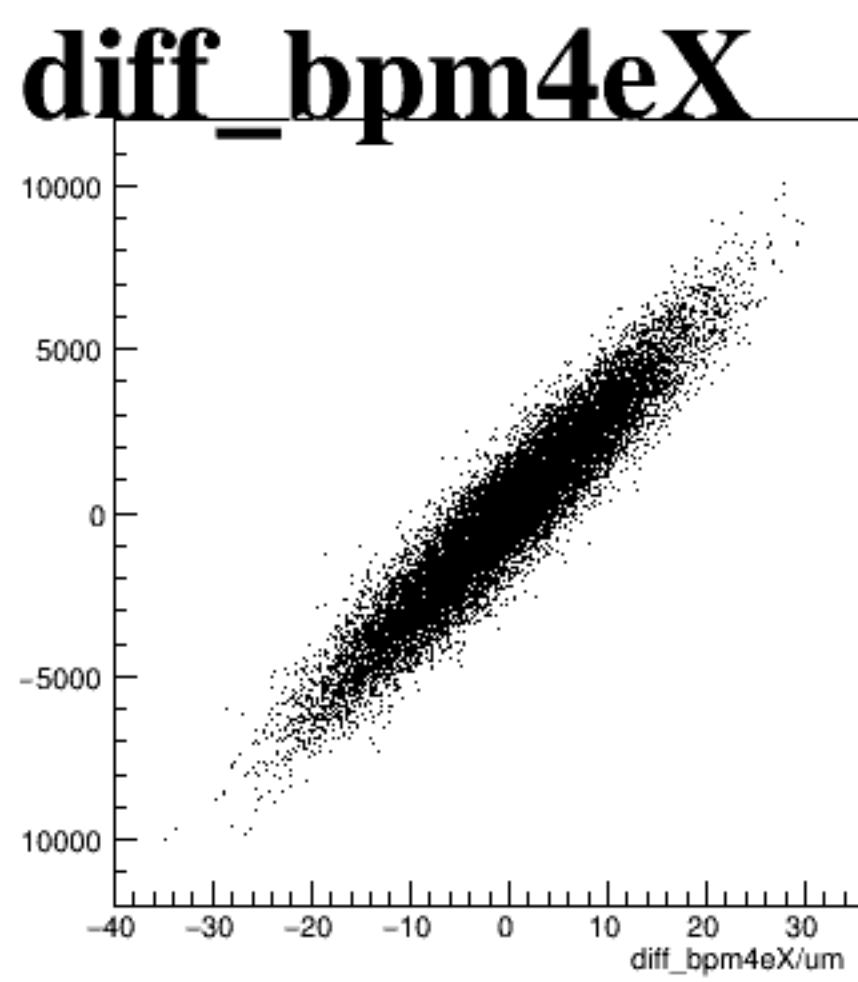
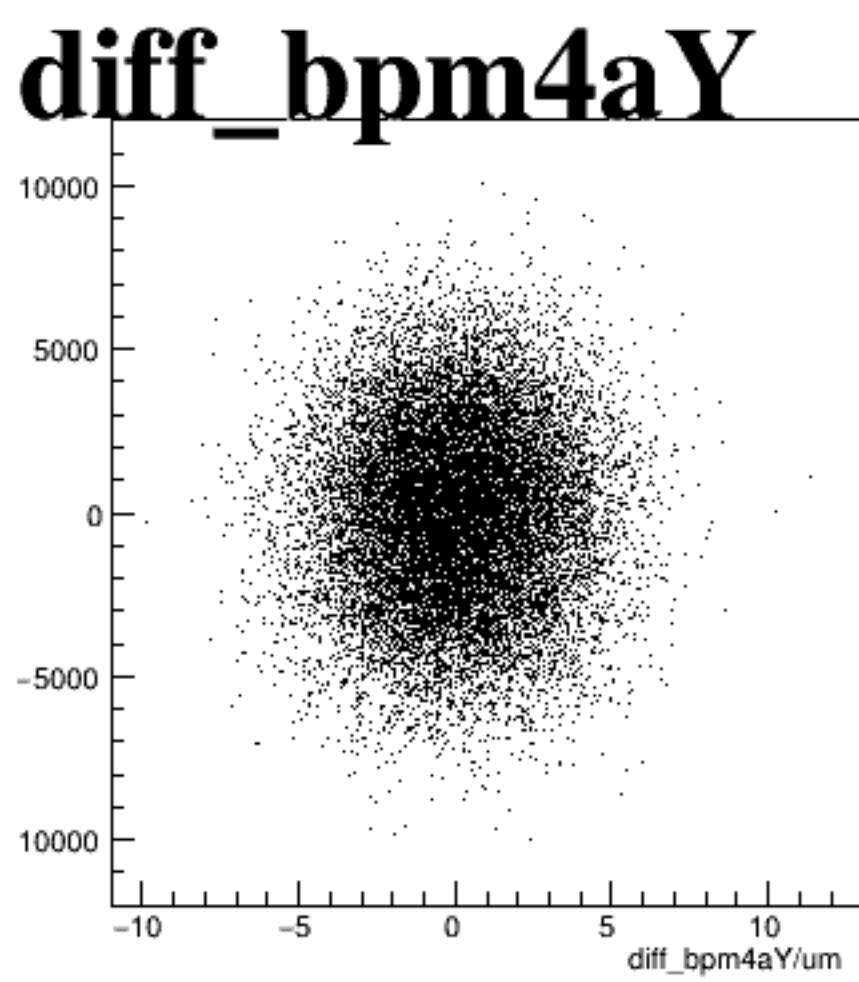
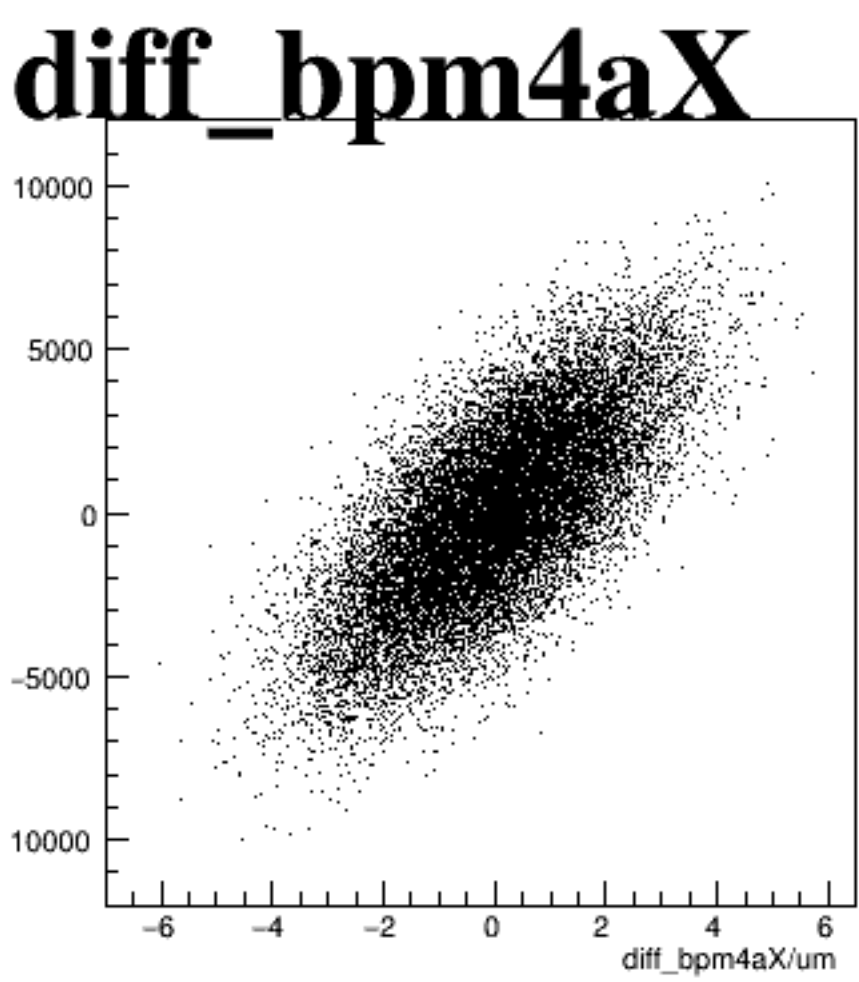
asym_sam2



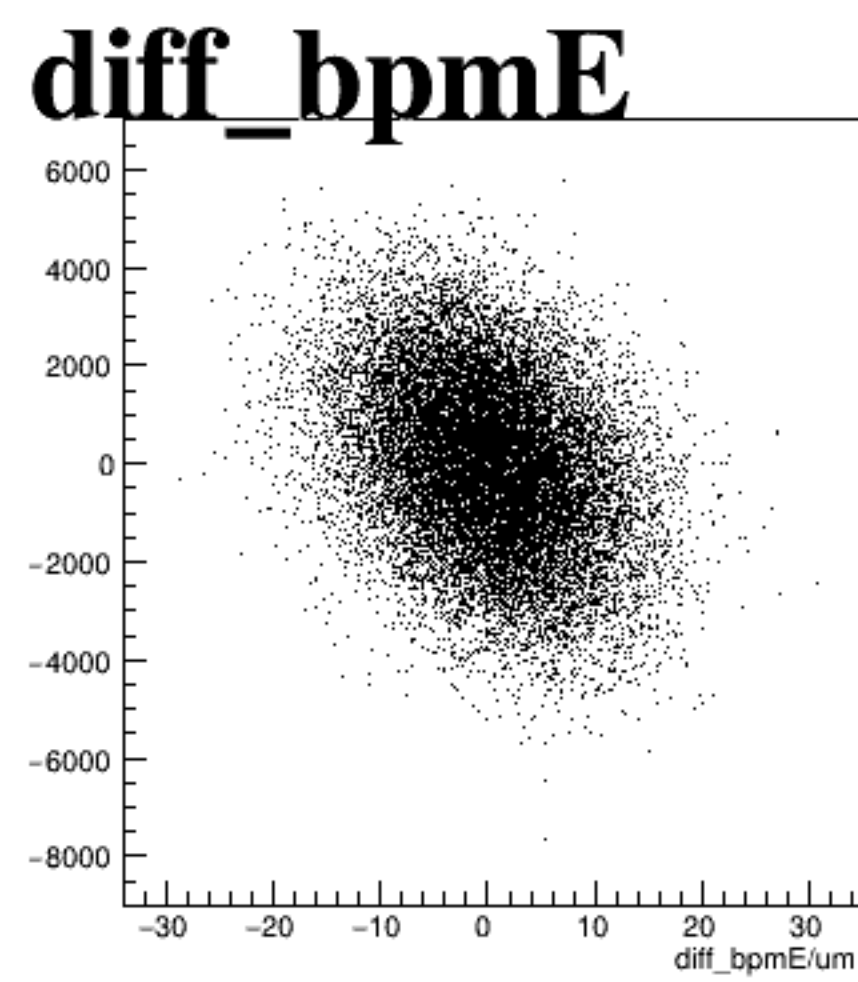
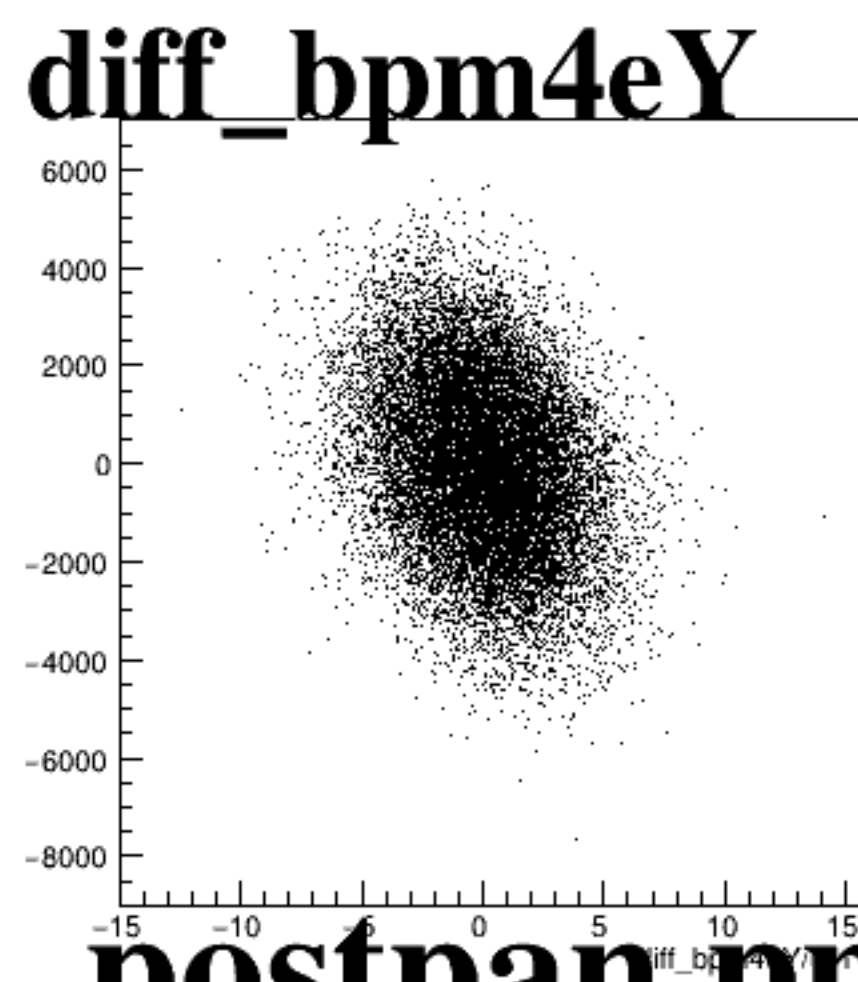
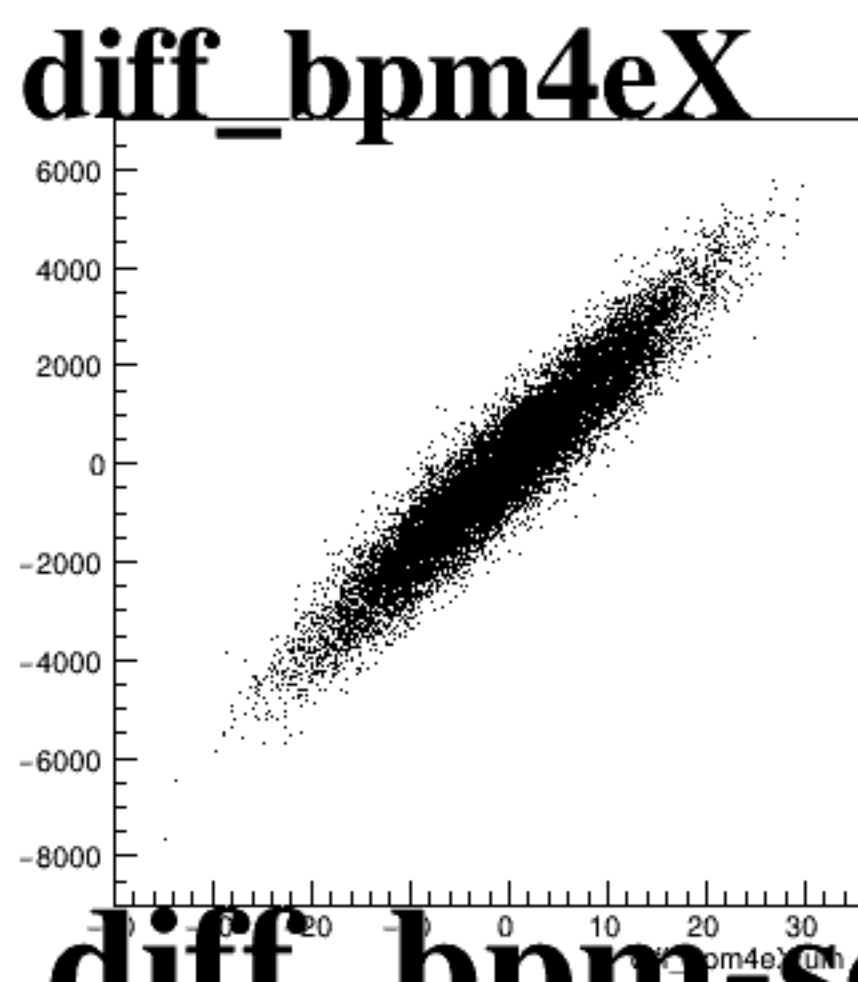
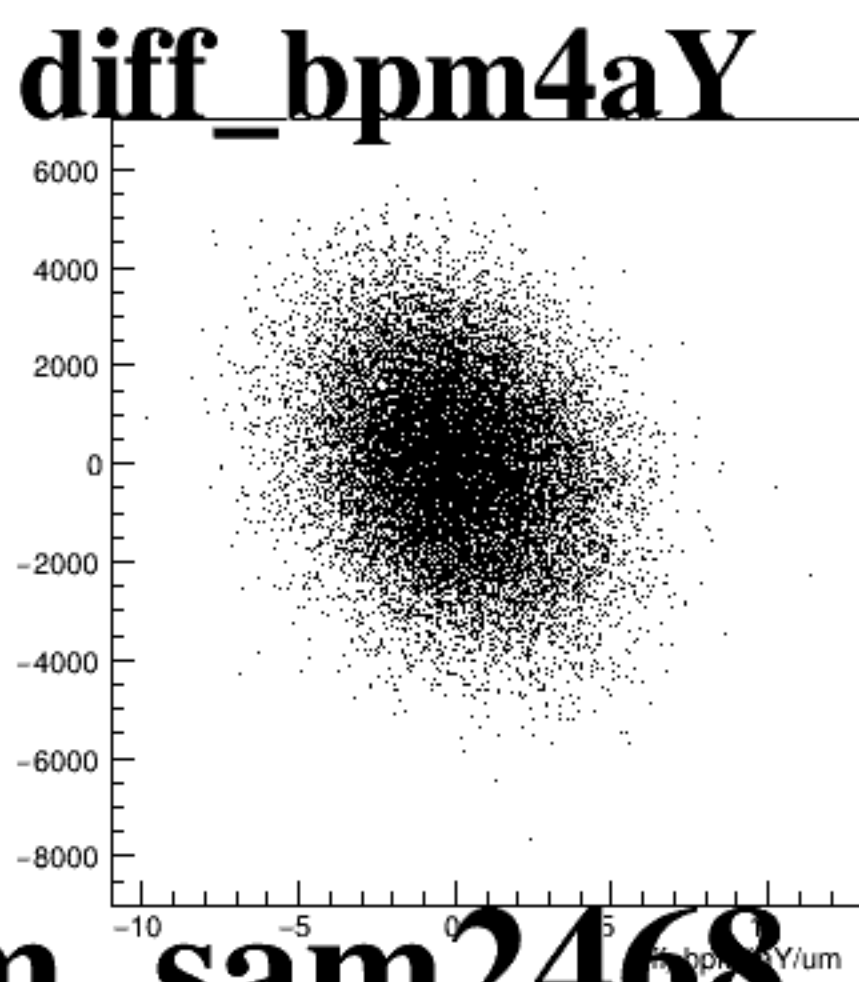
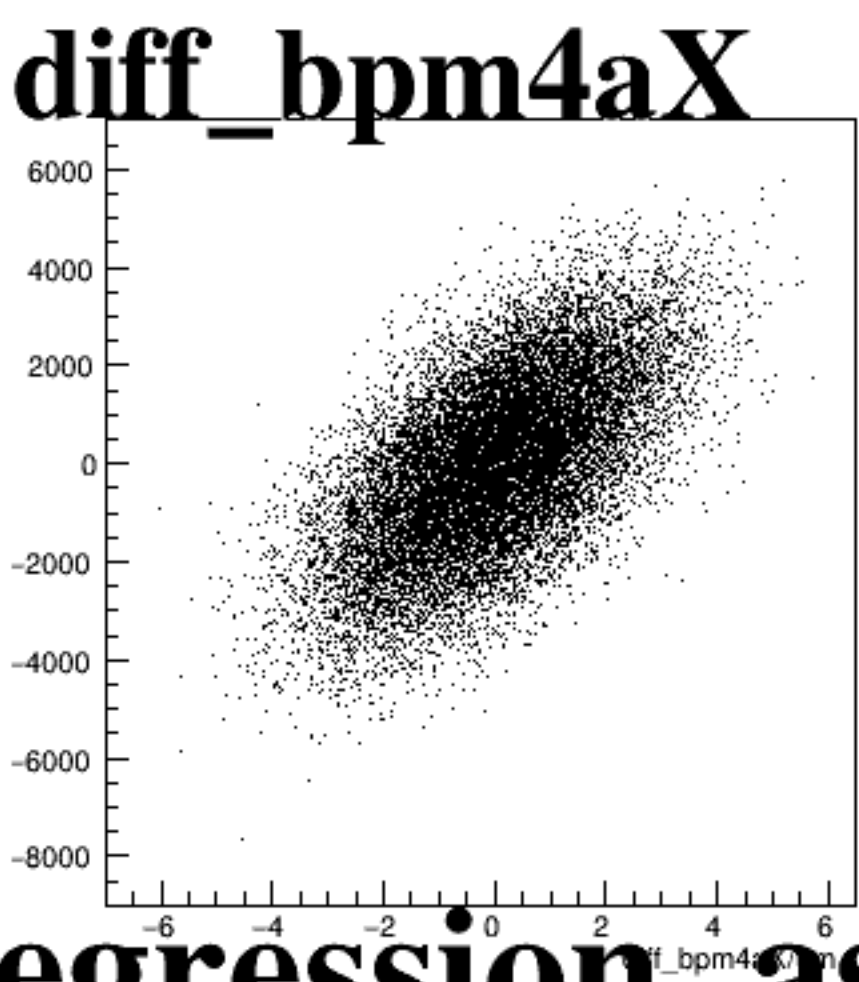
asym_sam4



asym_sam6



asym_sam8

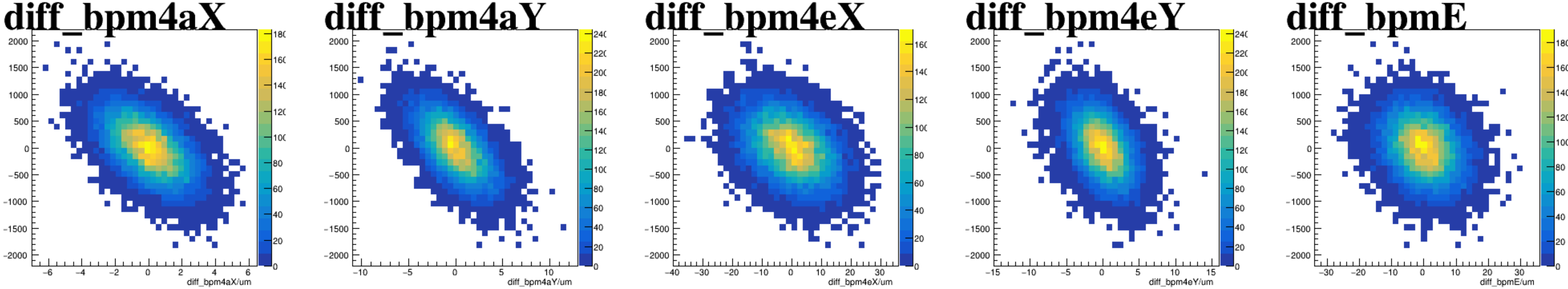


The figure displays five scatter plots, each representing the difference in BPM coordinates for a specific beam parameter. The plots are arranged horizontally and labeled as follows:

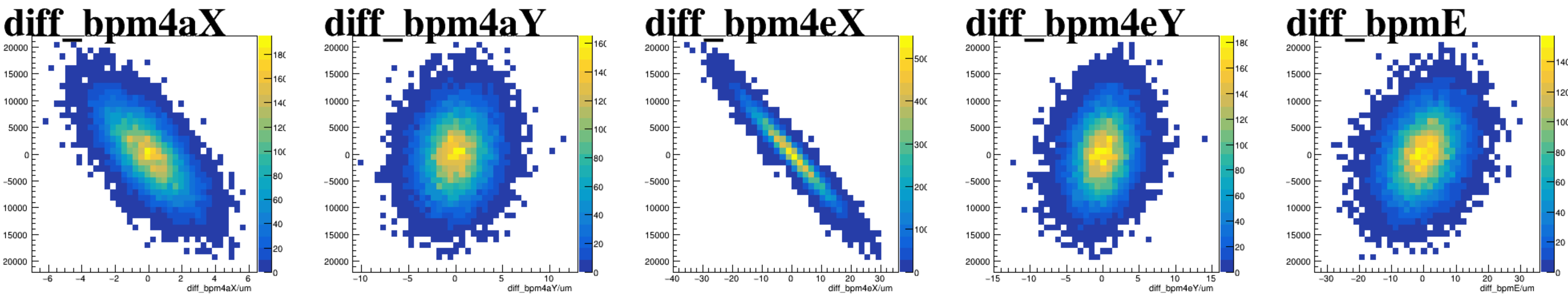
- diff_bpm4aX**: The x-axis ranges from -6 to 6 μm , and the y-axis ranges from -8000 to 8000.
- diff_bpm4aY**: The x-axis ranges from -10 to 10 μm , and the y-axis ranges from -8000 to 8000.
- diff_bpm4eX**: The x-axis ranges from -40 to 30 μm , and the y-axis ranges from -8000 to 8000.
- diff_bpm4eY**: The x-axis ranges from -15 to 15 μm , and the y-axis ranges from -8000 to 8000.
- diff_bpmE**: The x-axis ranges from -30 to 30 μm , and the y-axis ranges from -8000 to 8000.

Each plot shows a dense, roughly circular cloud of points centered at the origin (0,0), indicating a Gaussian-like distribution of differences. The axes are labeled with the parameter name and units (μm).

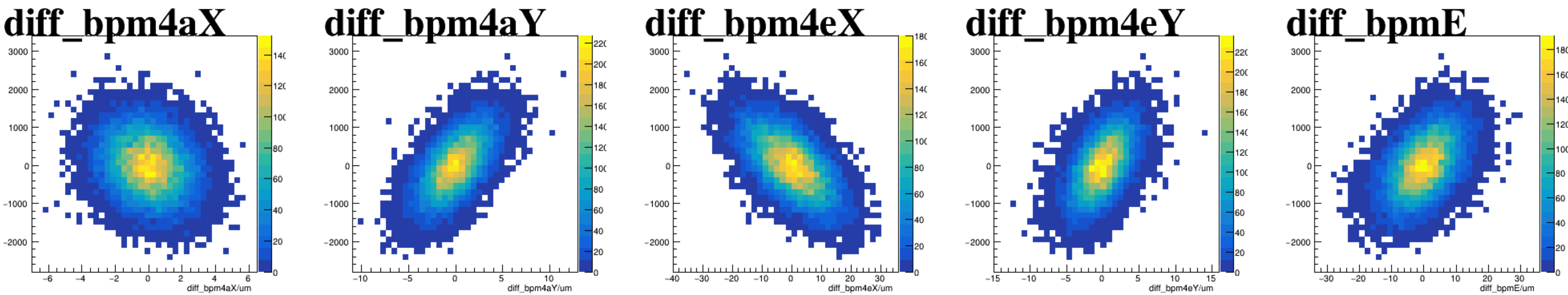
asym_sam1



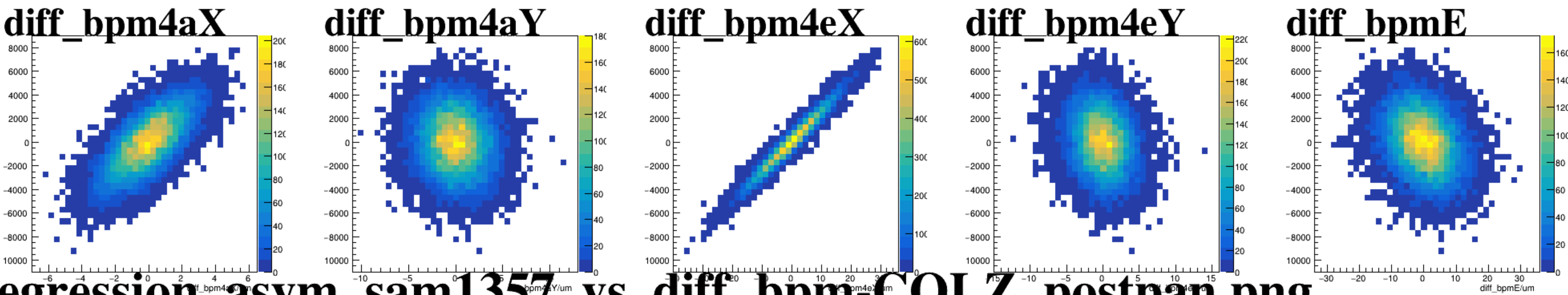
asym_sam3



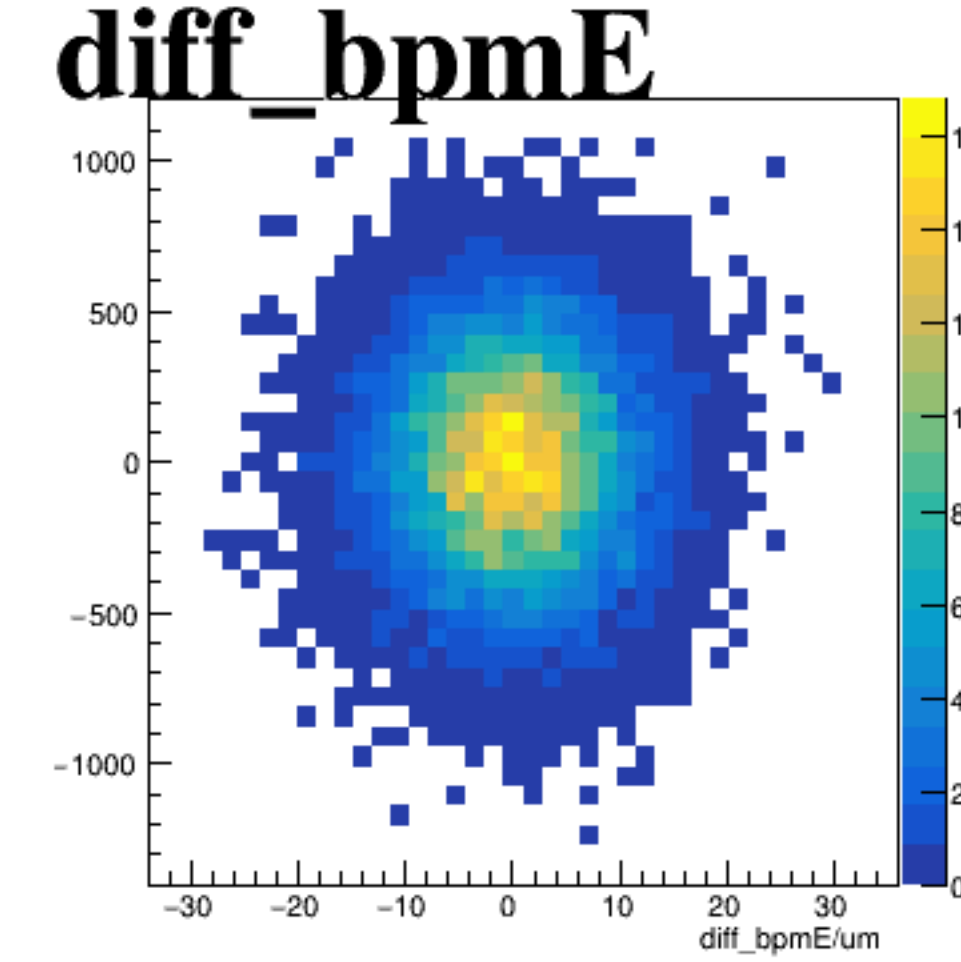
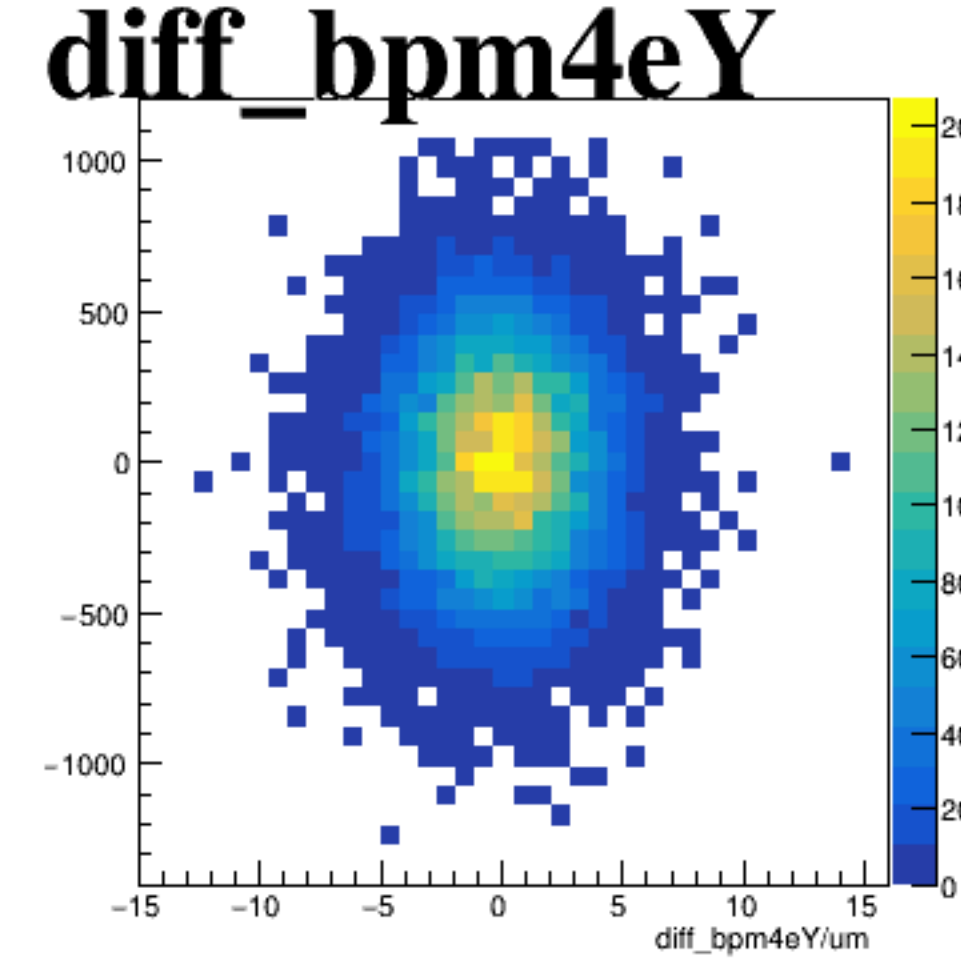
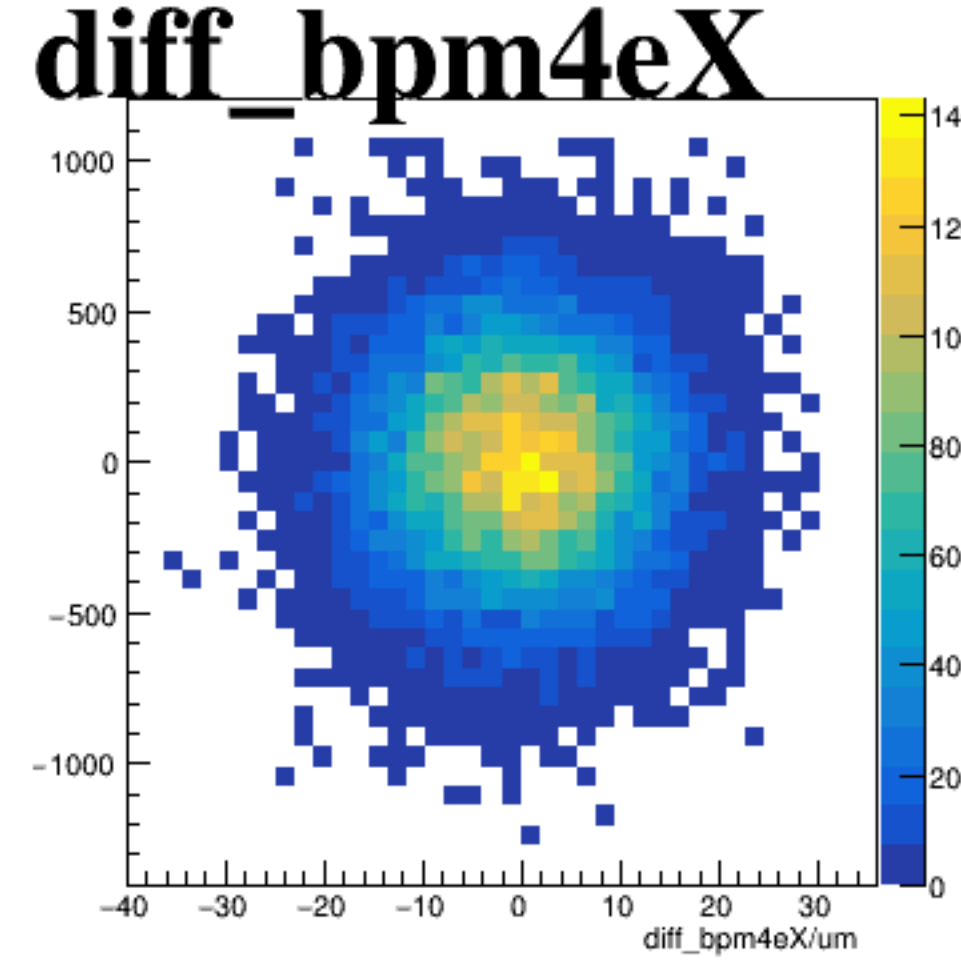
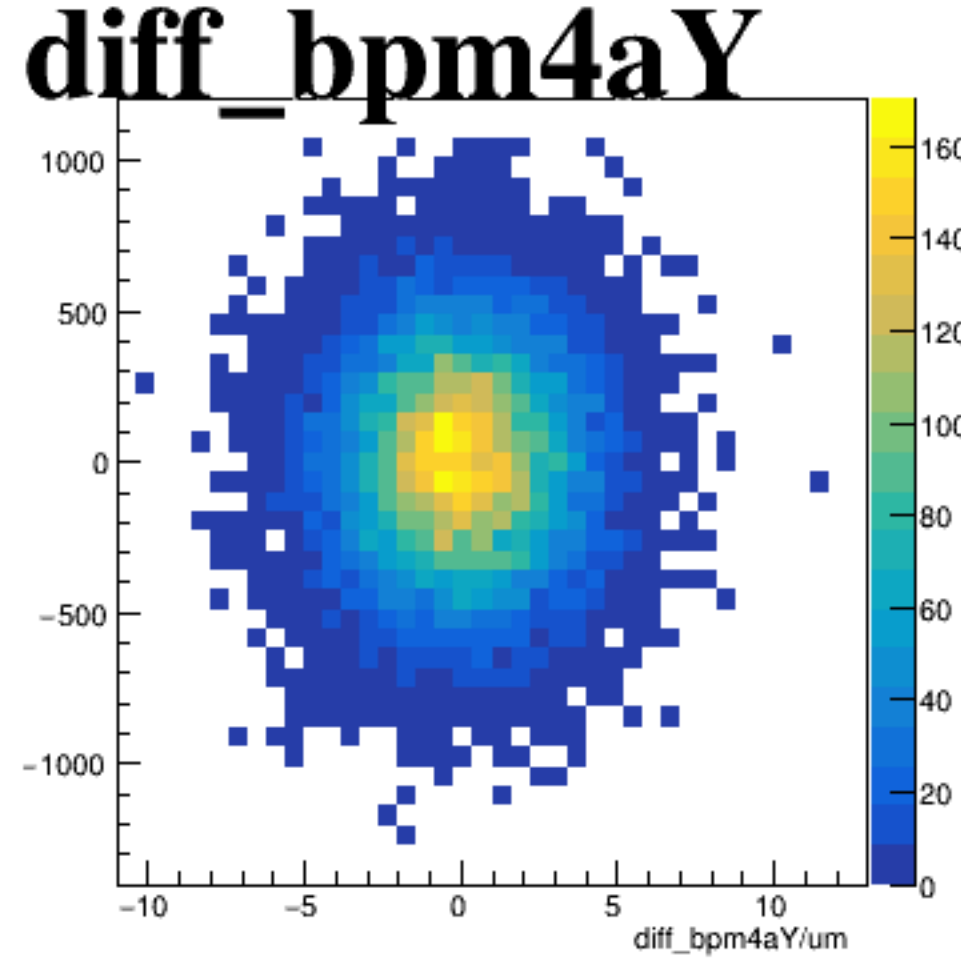
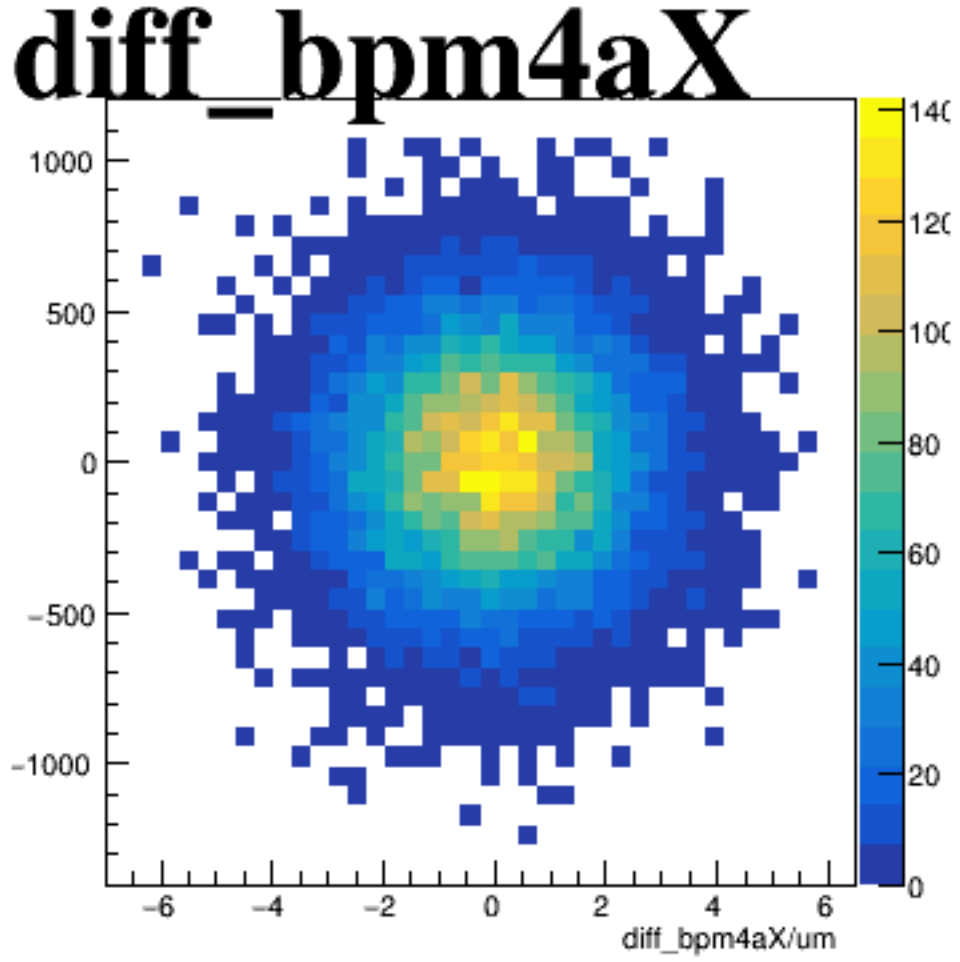
asym_sam5



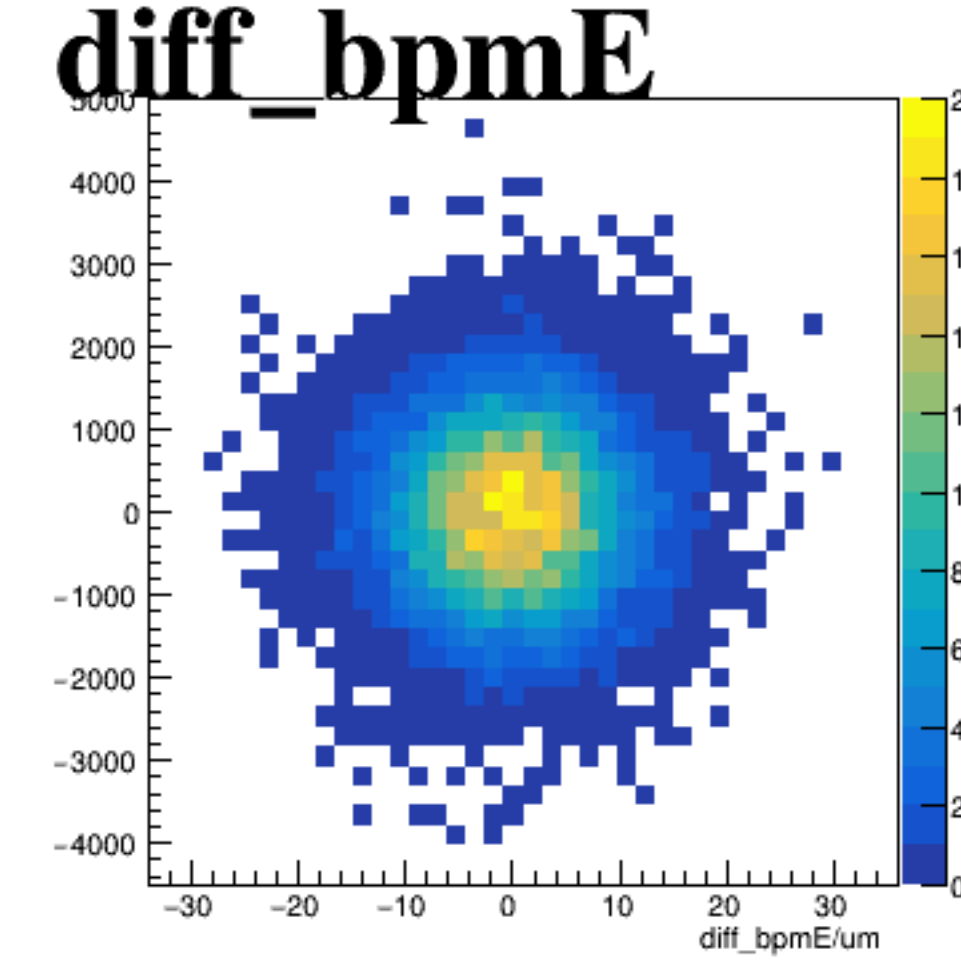
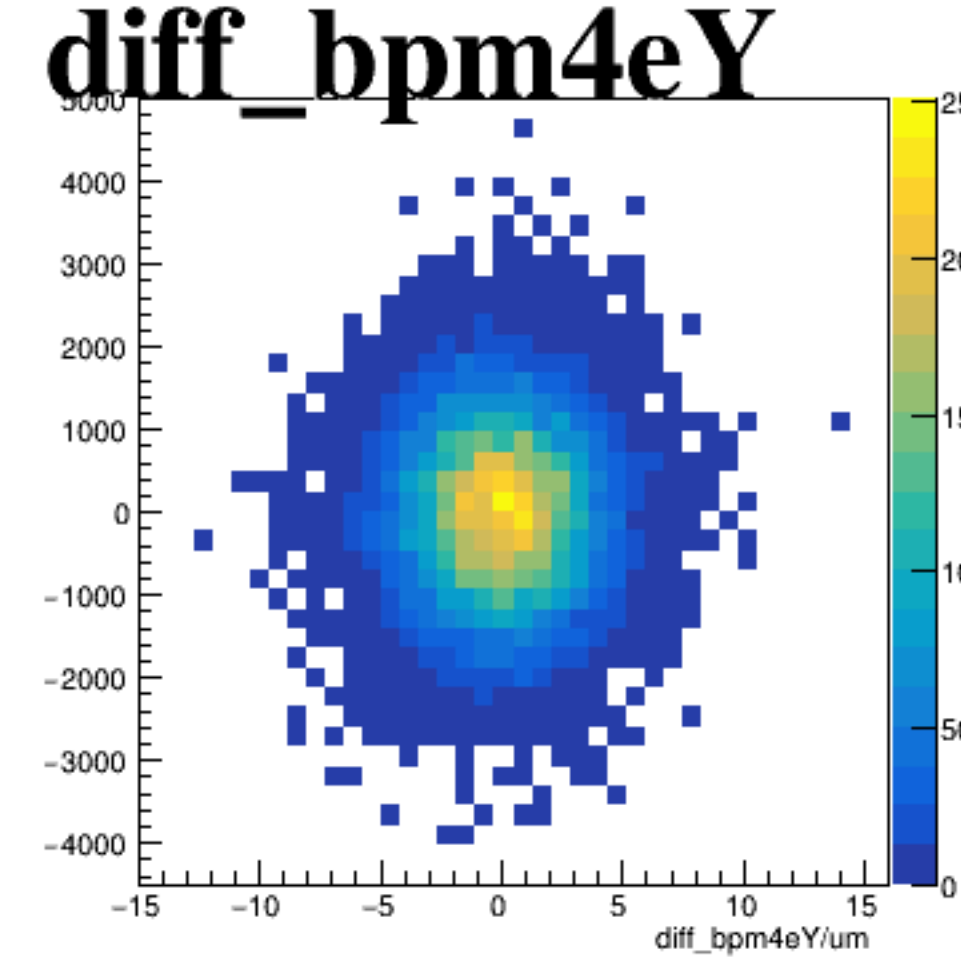
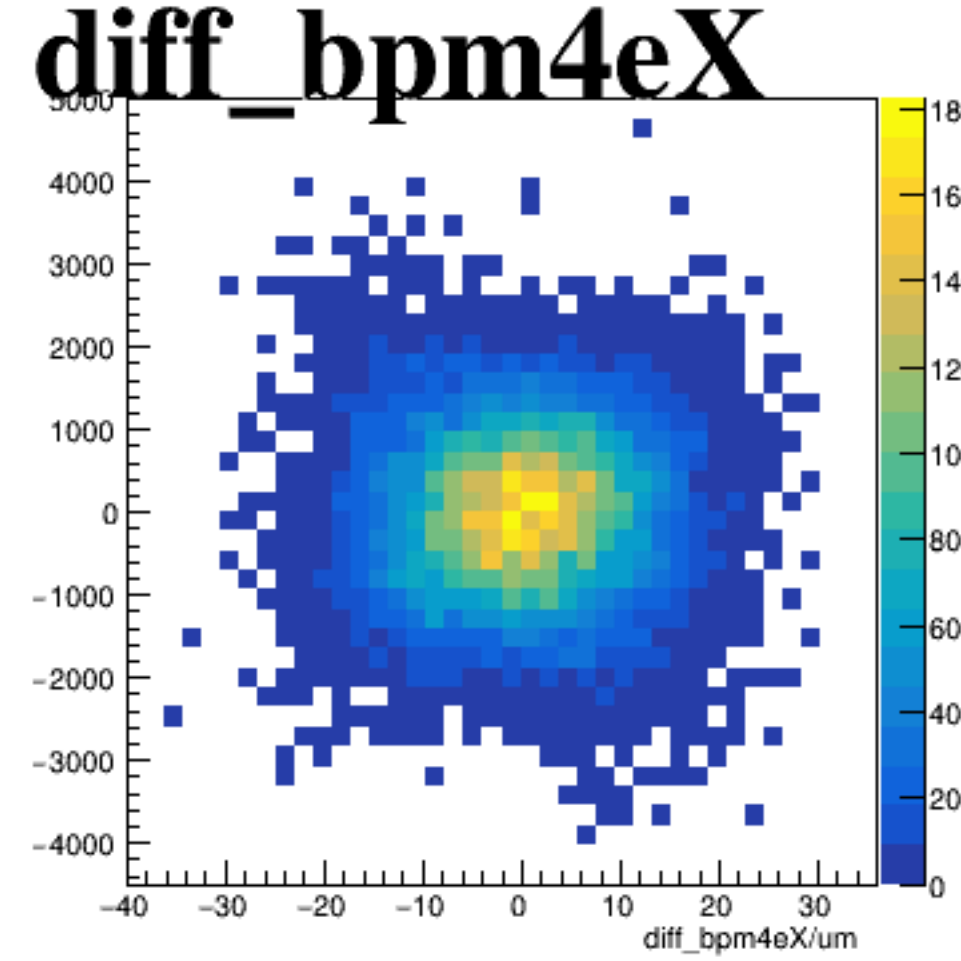
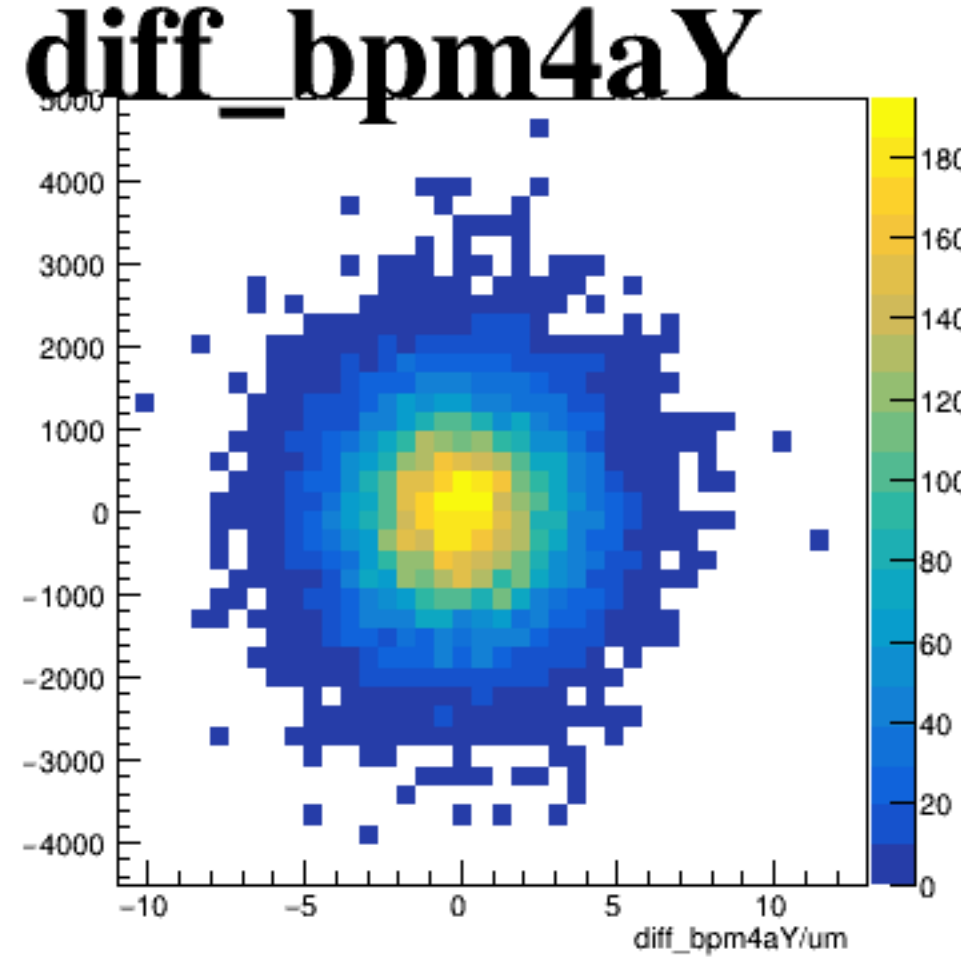
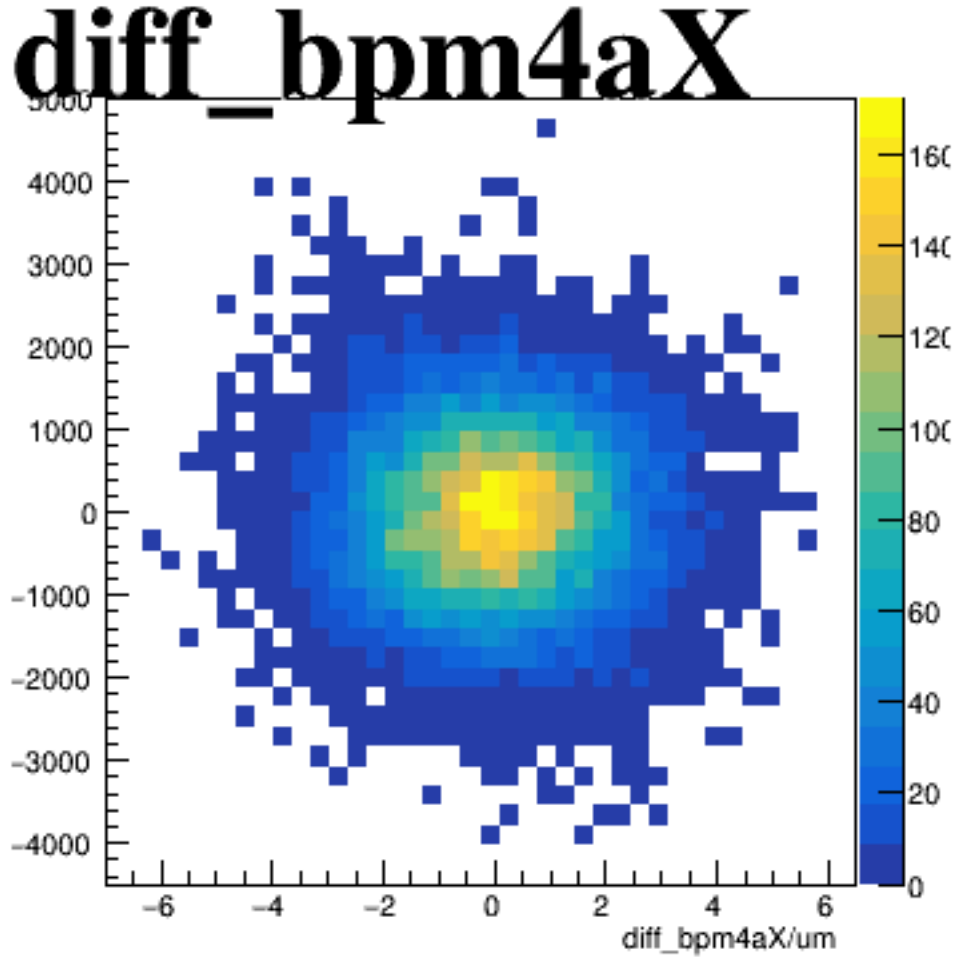
asym_sam7



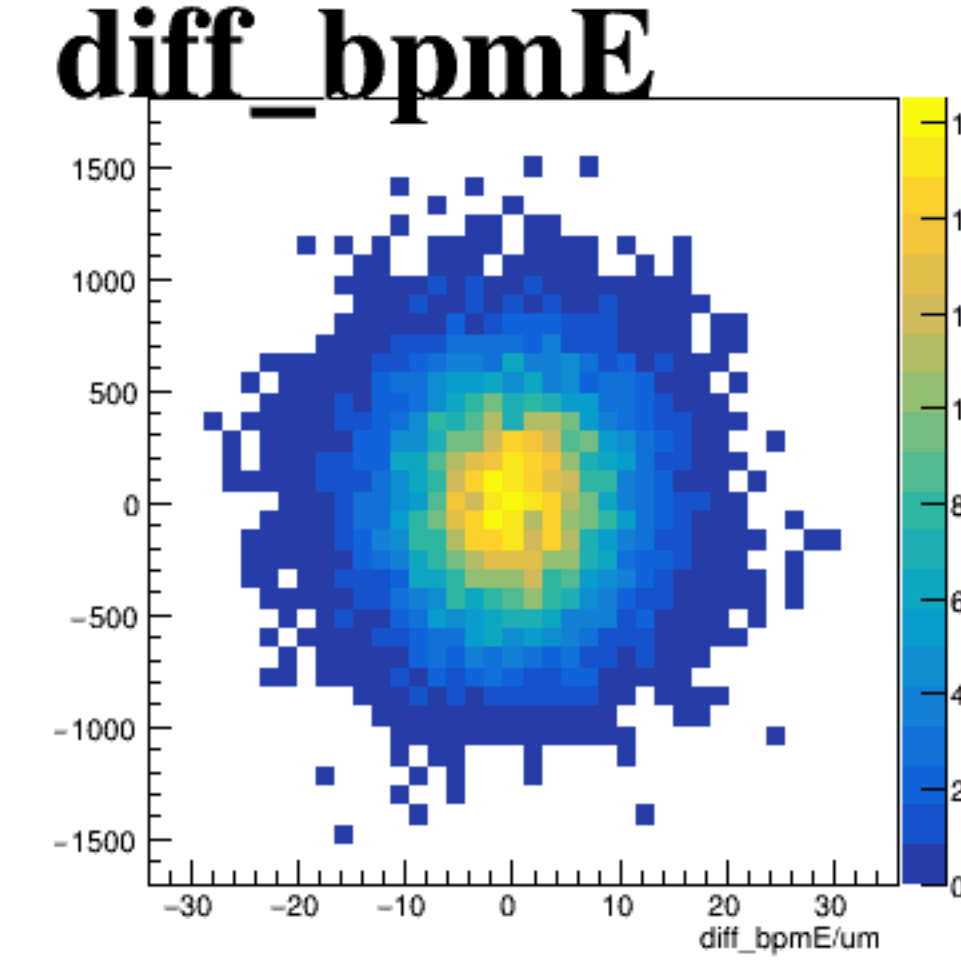
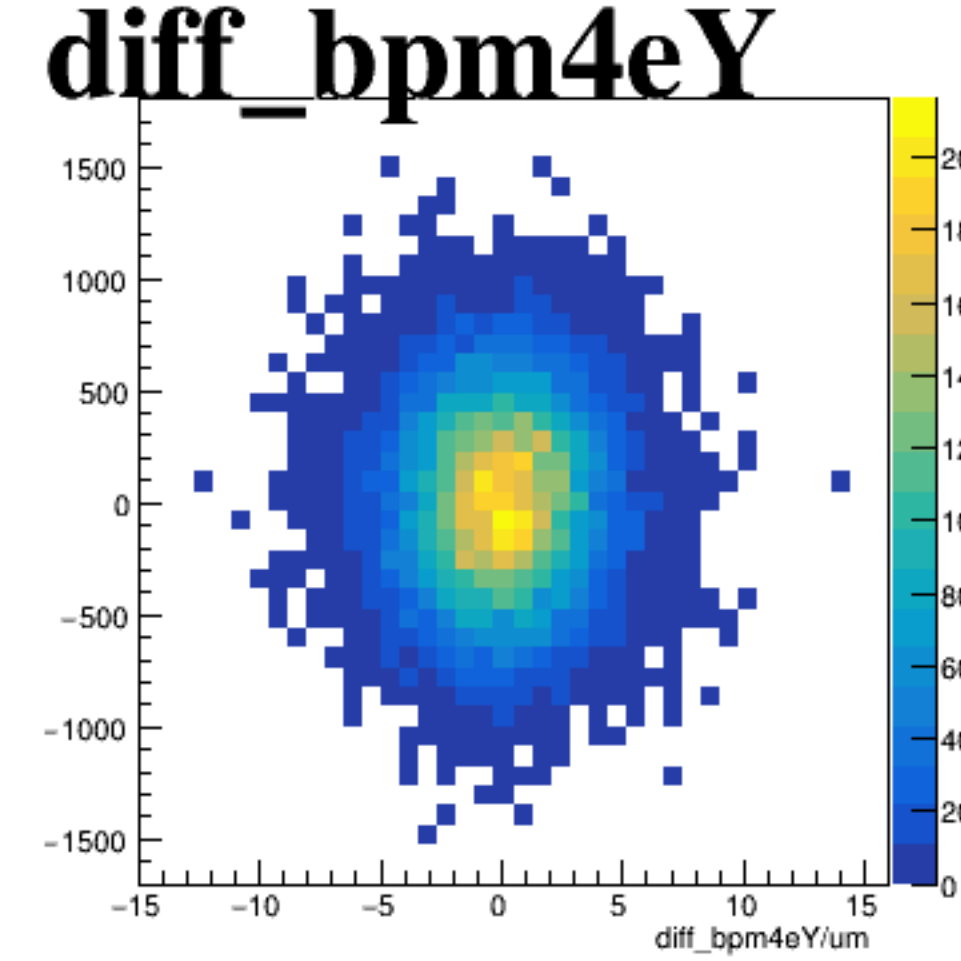
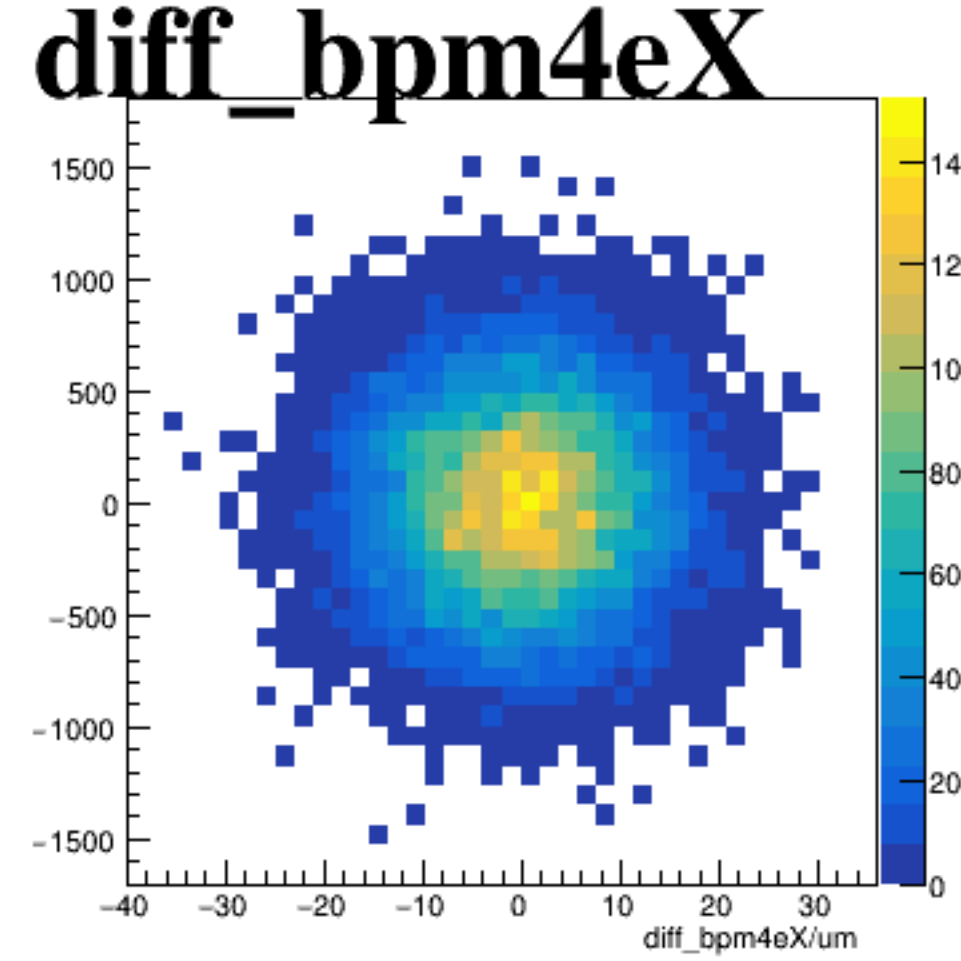
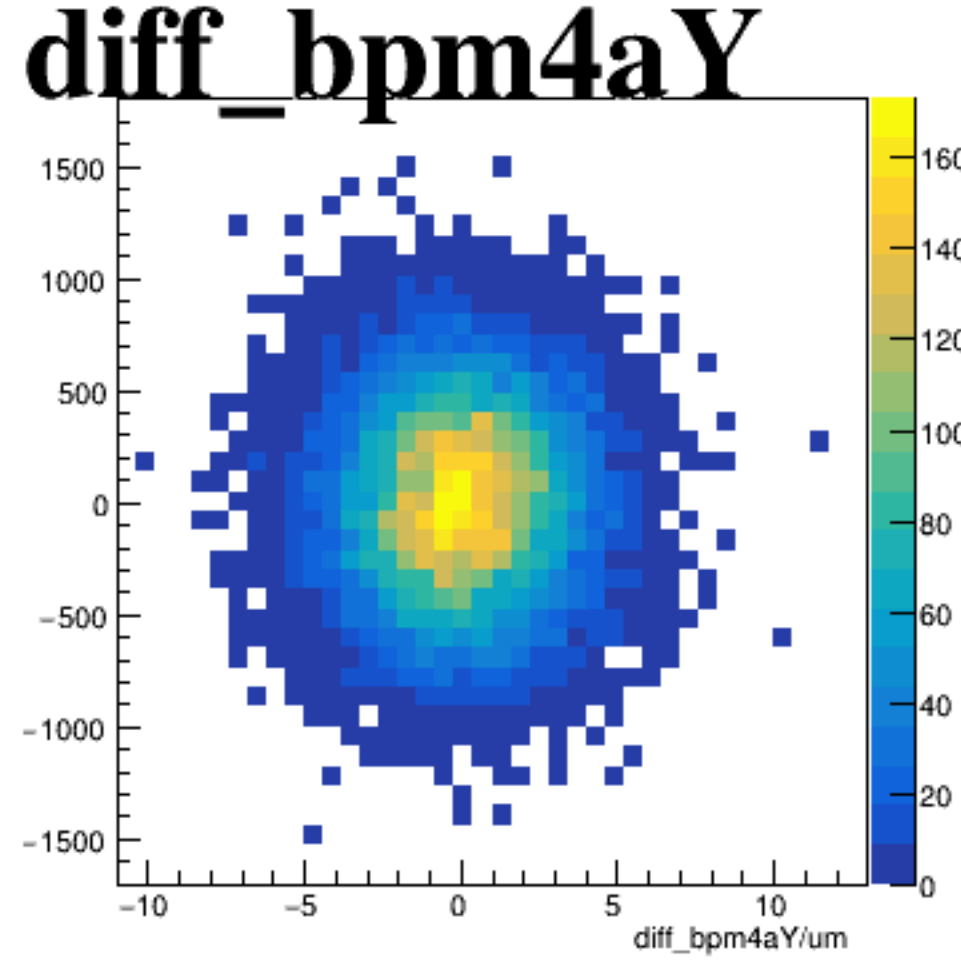
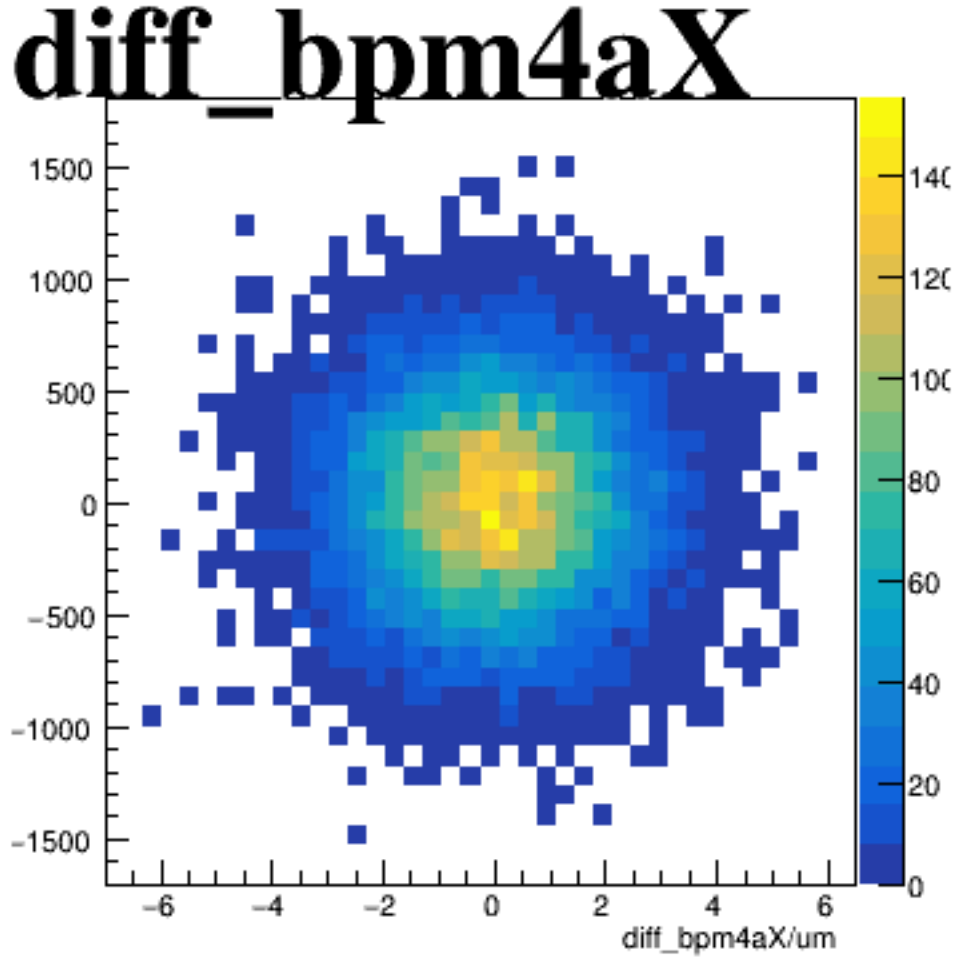
reg_asym_sam1



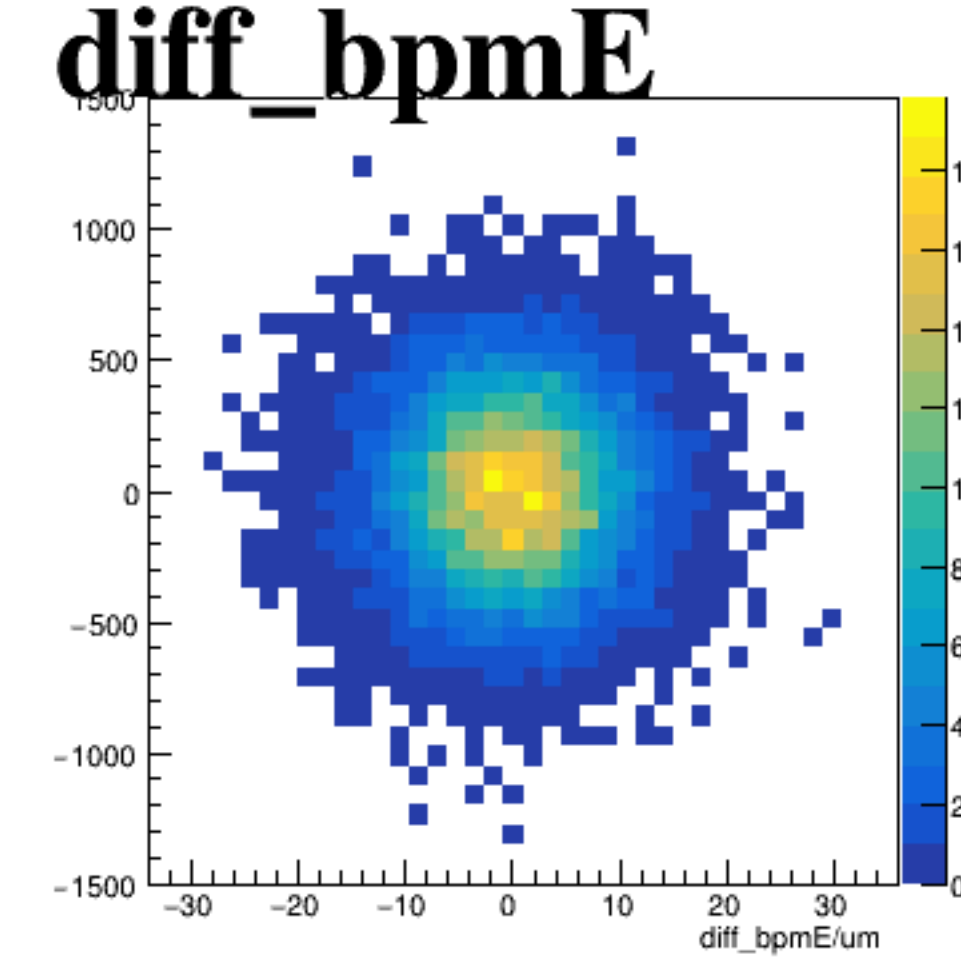
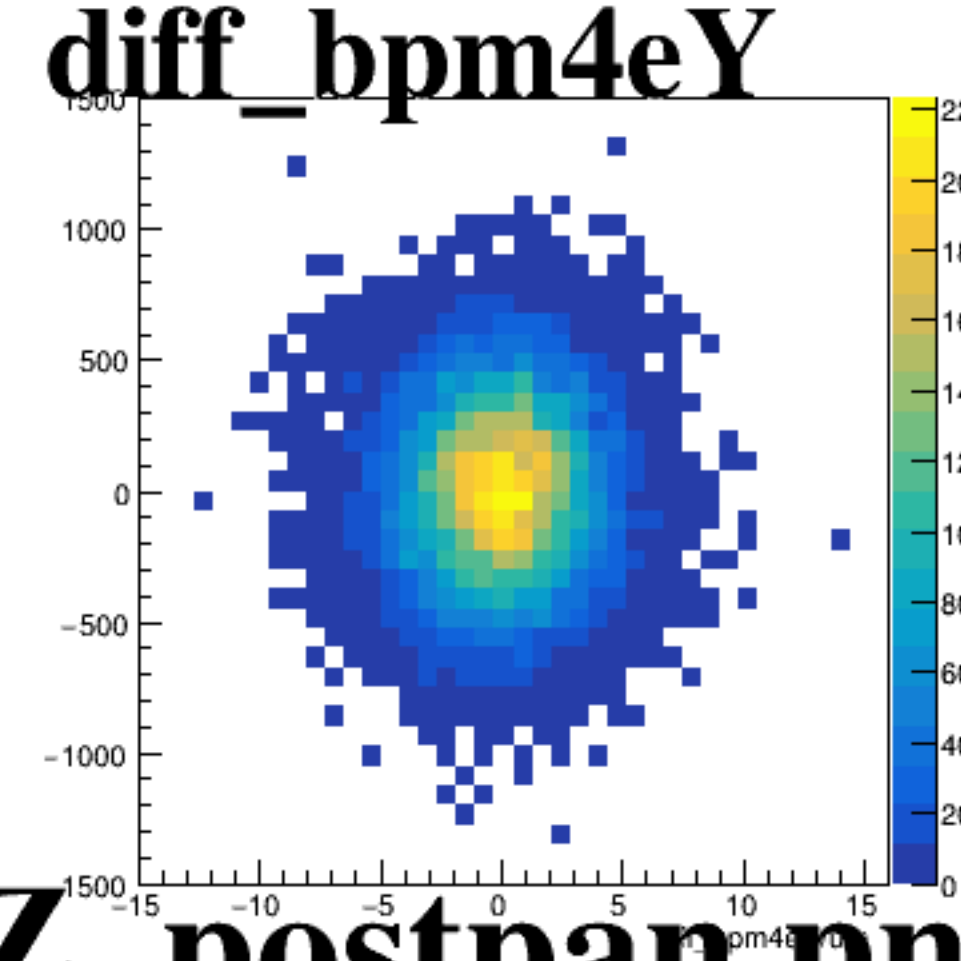
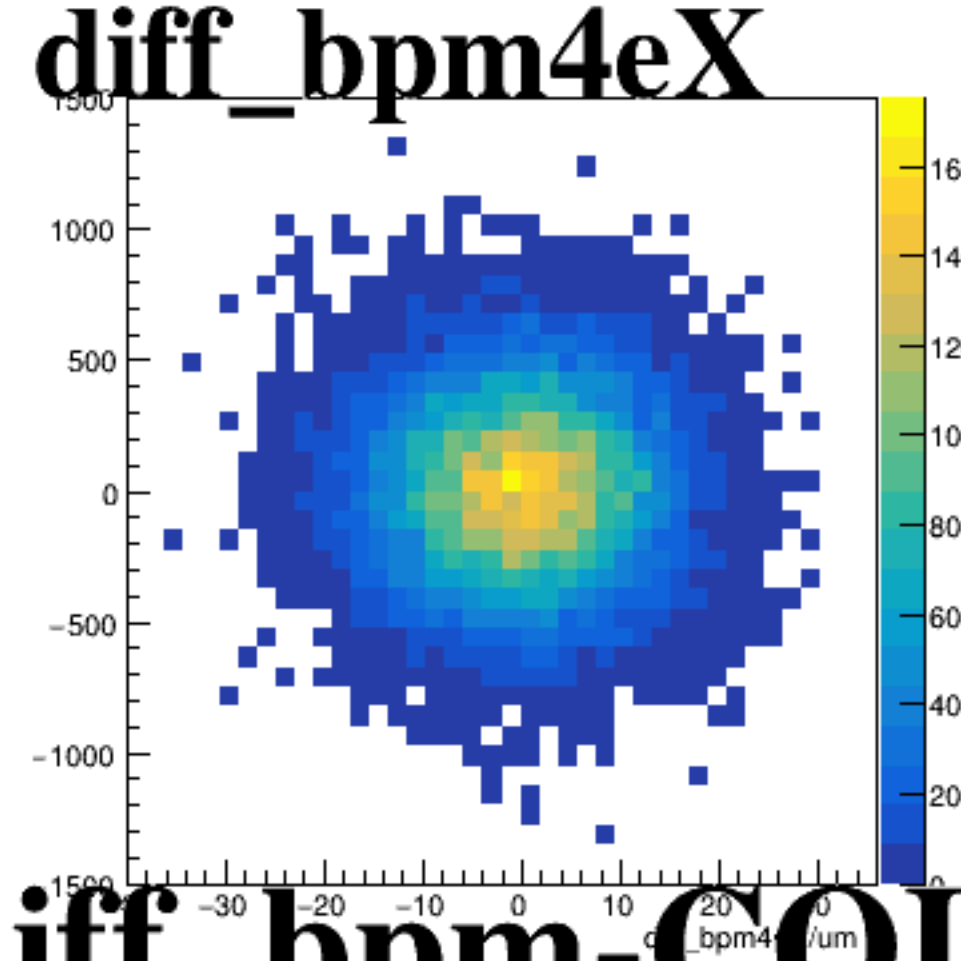
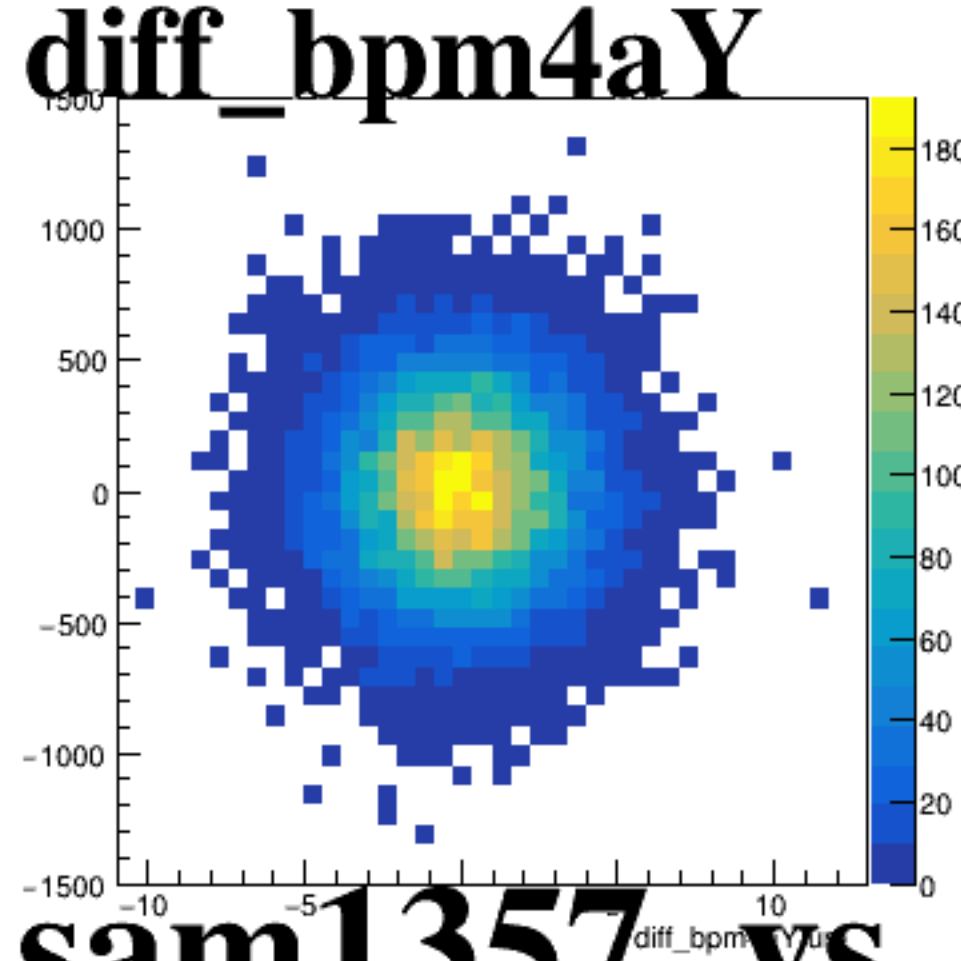
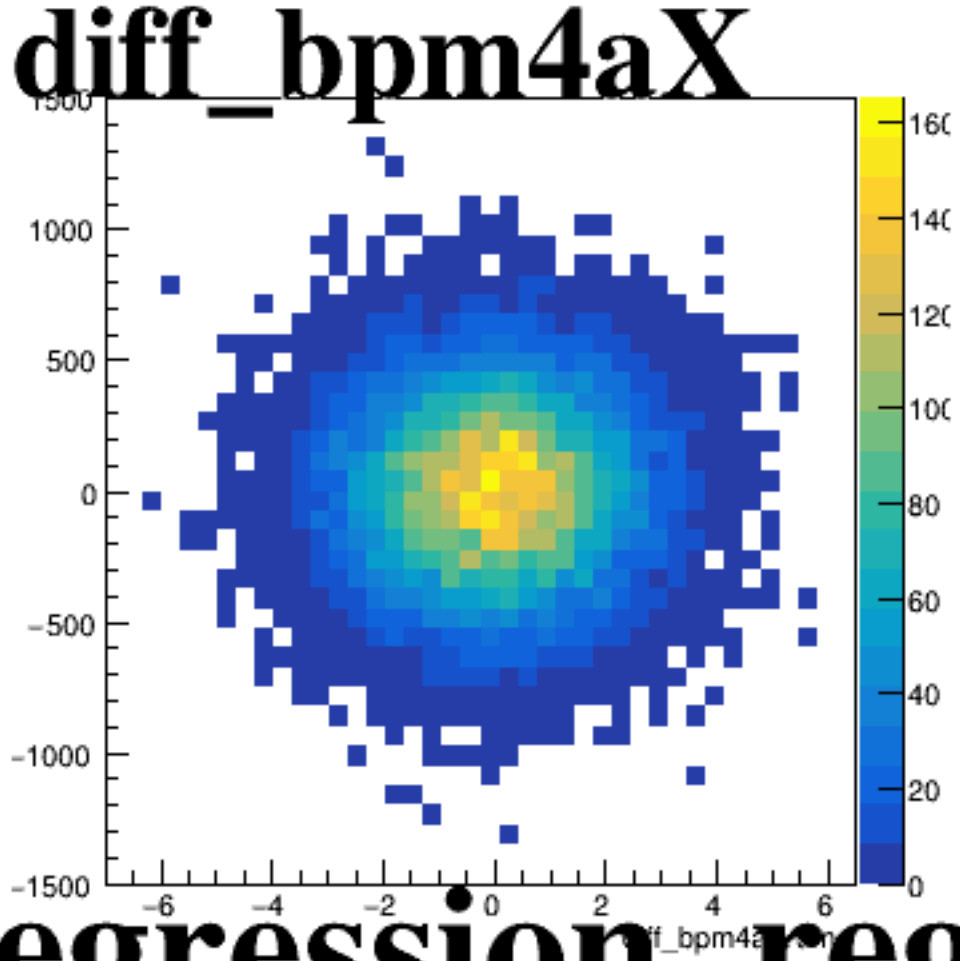
reg_asym_sam3



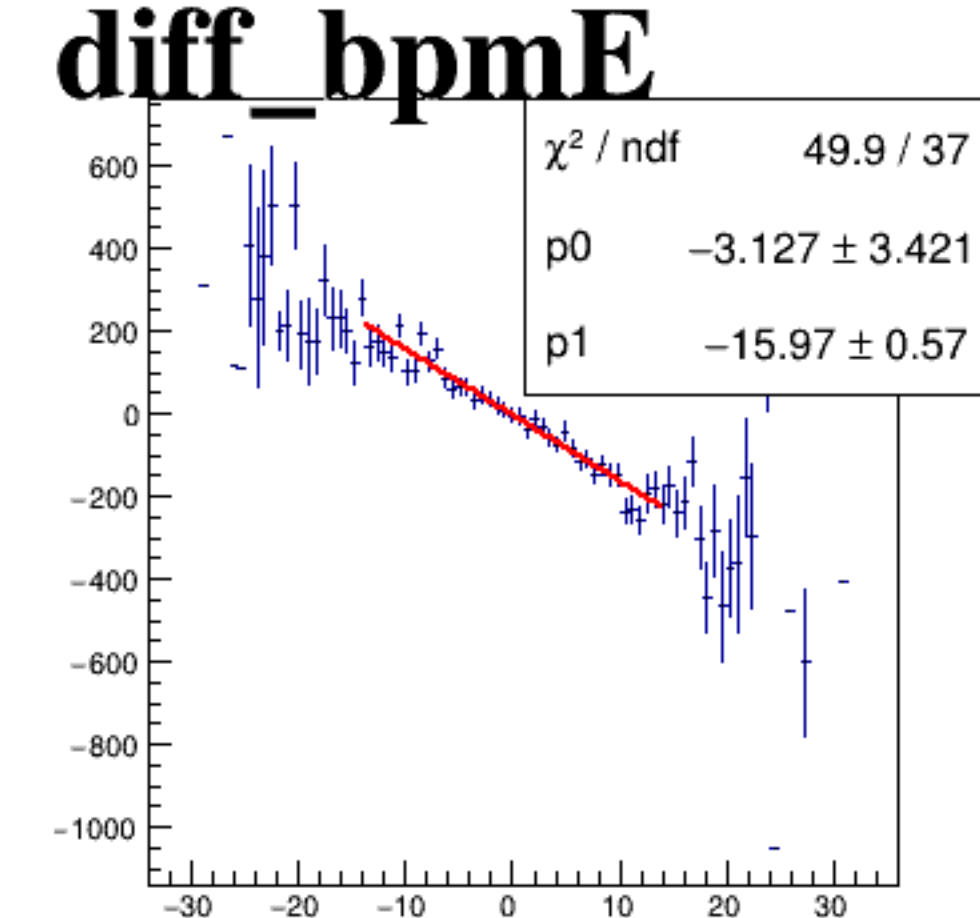
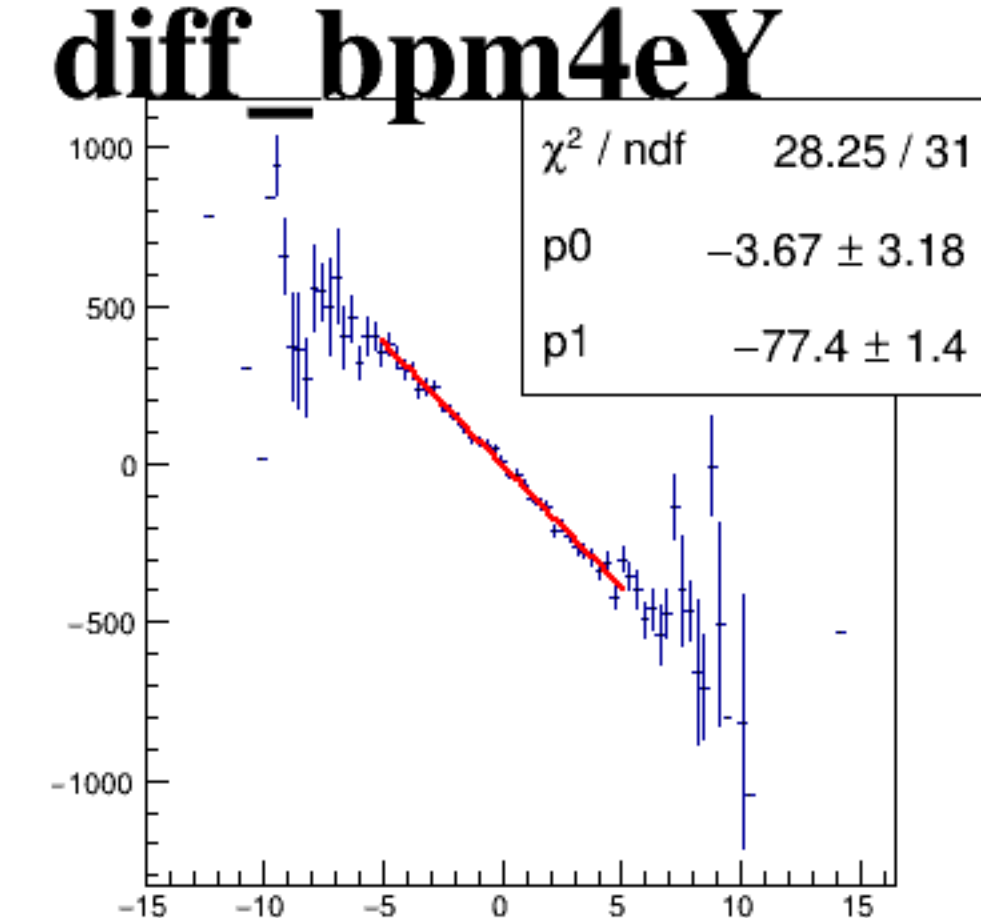
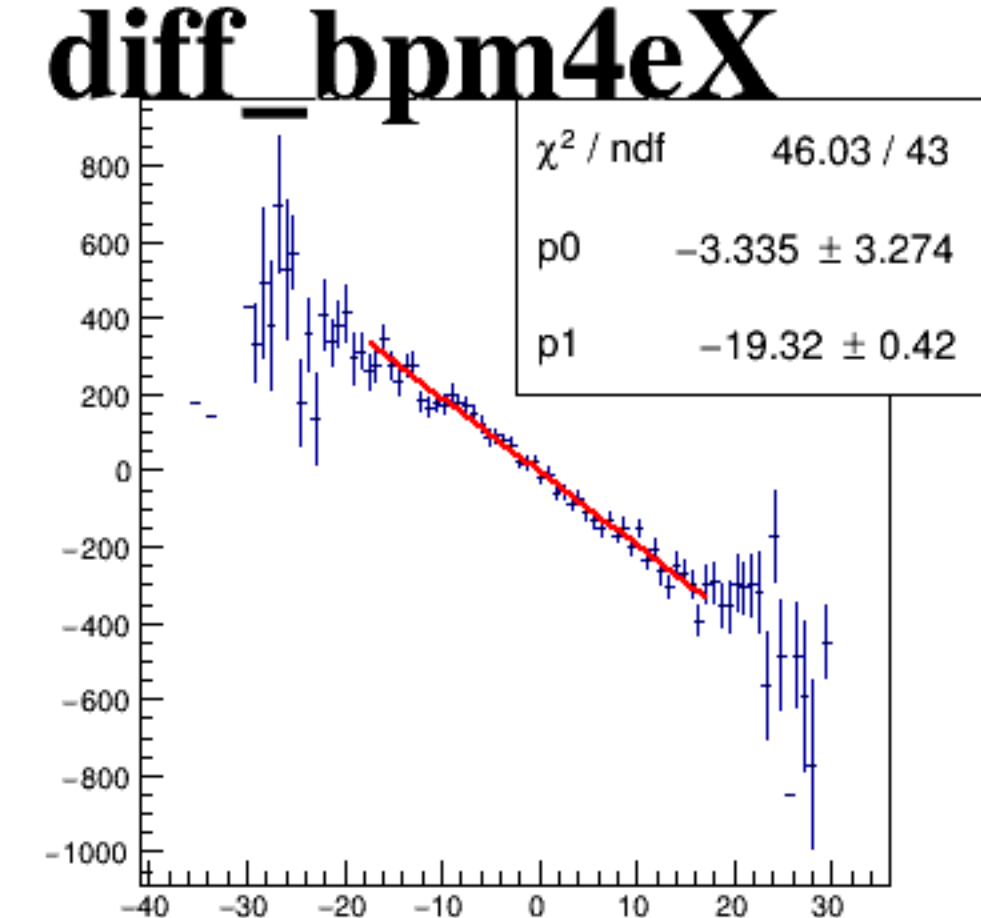
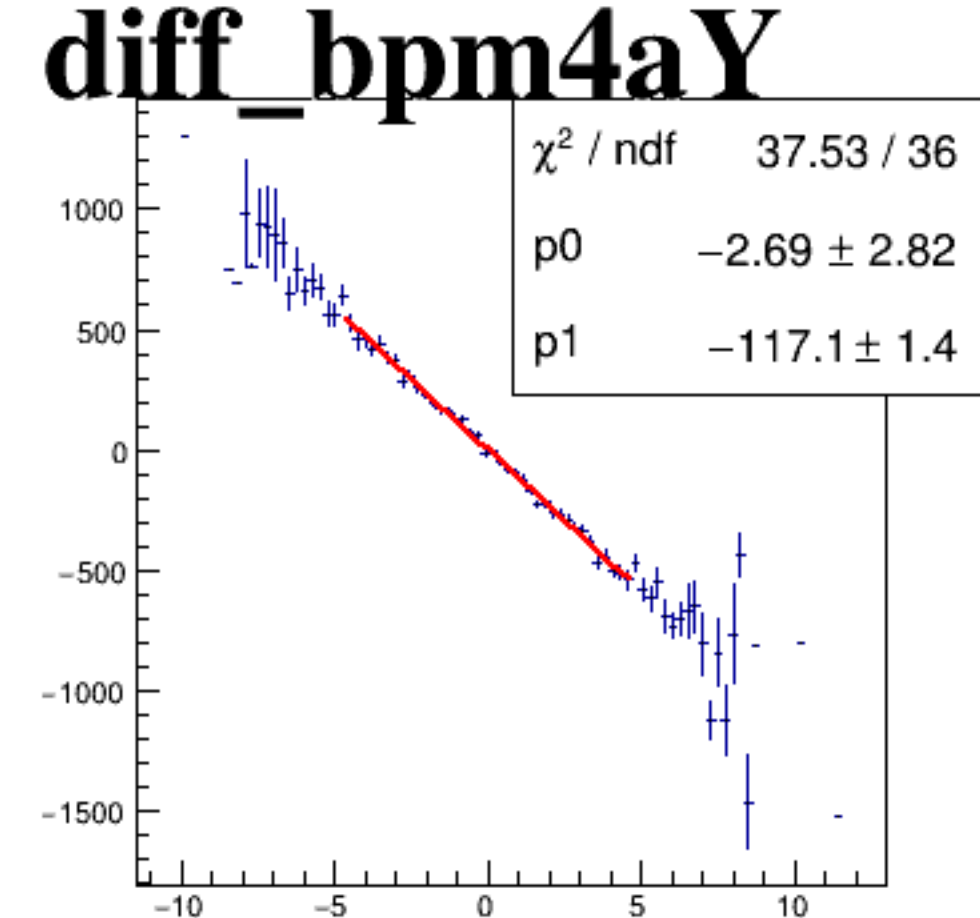
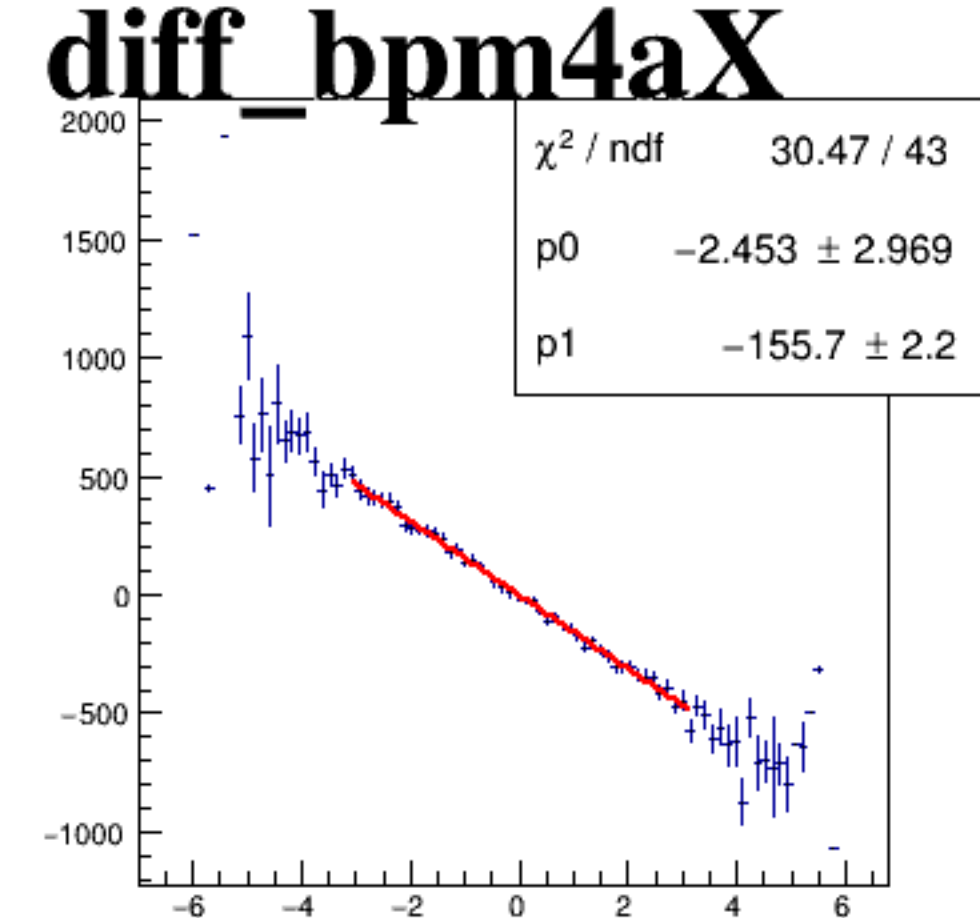
reg_asym_sam5



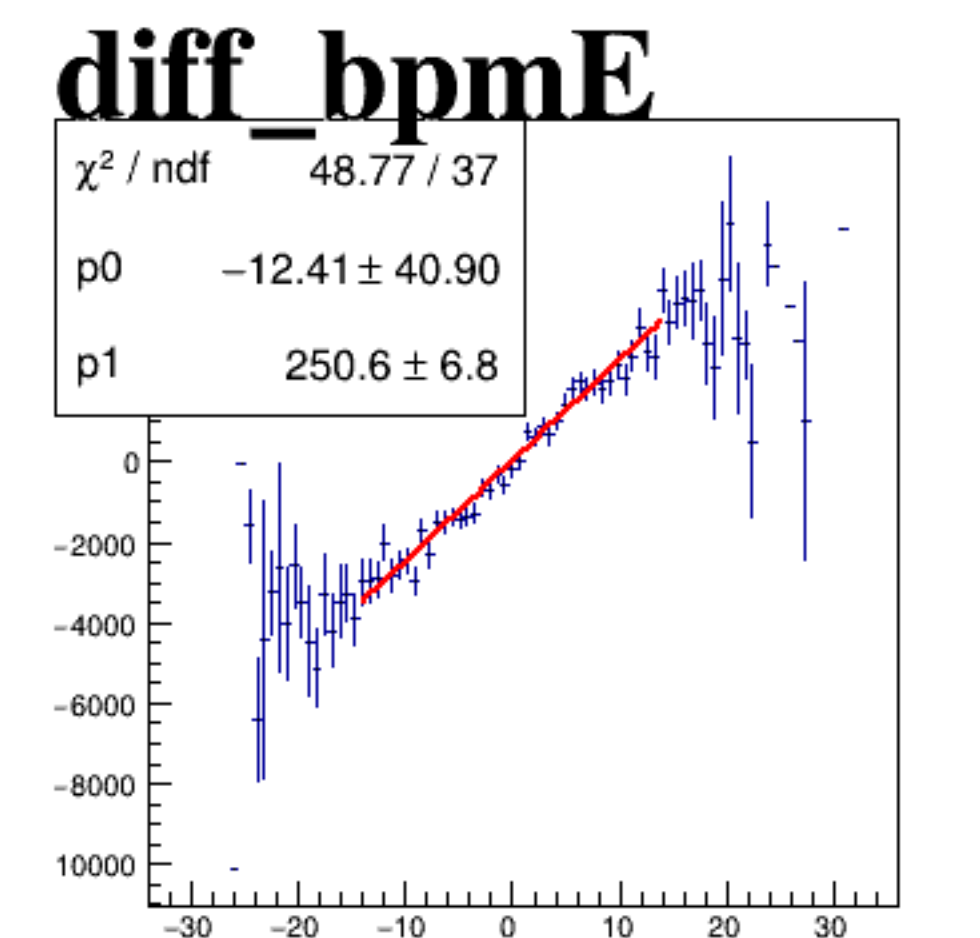
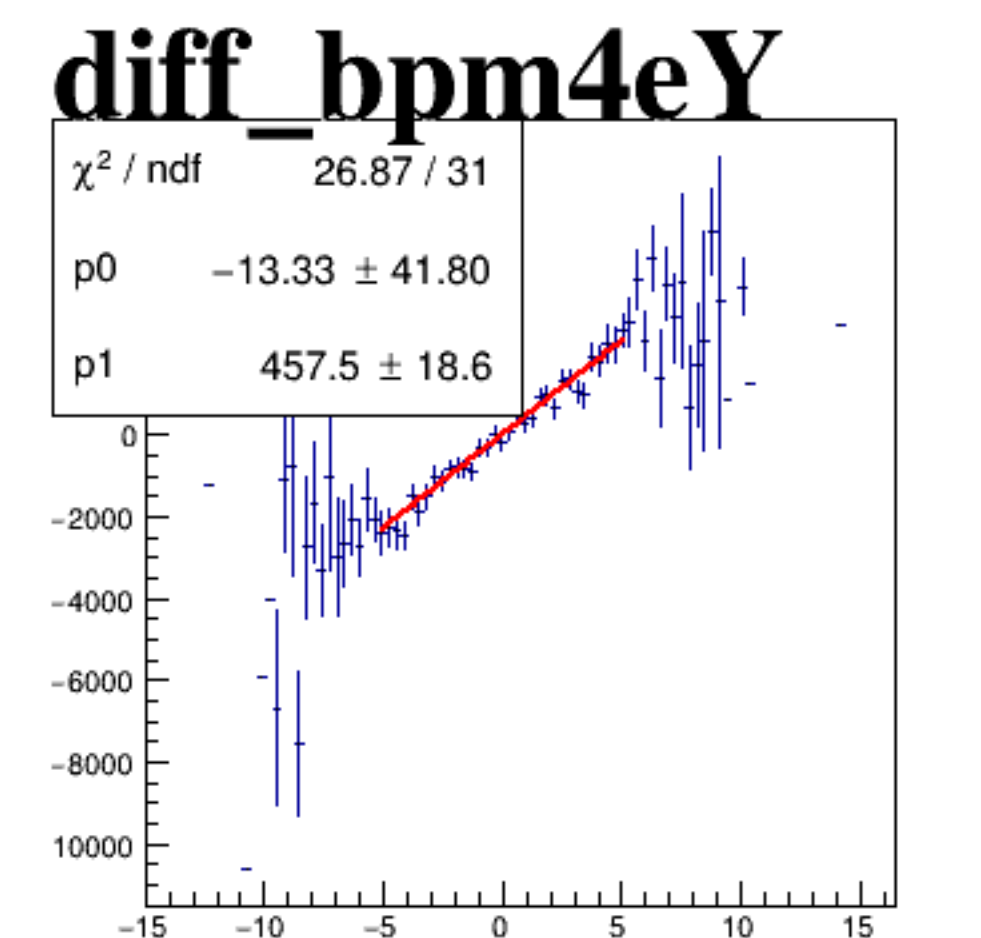
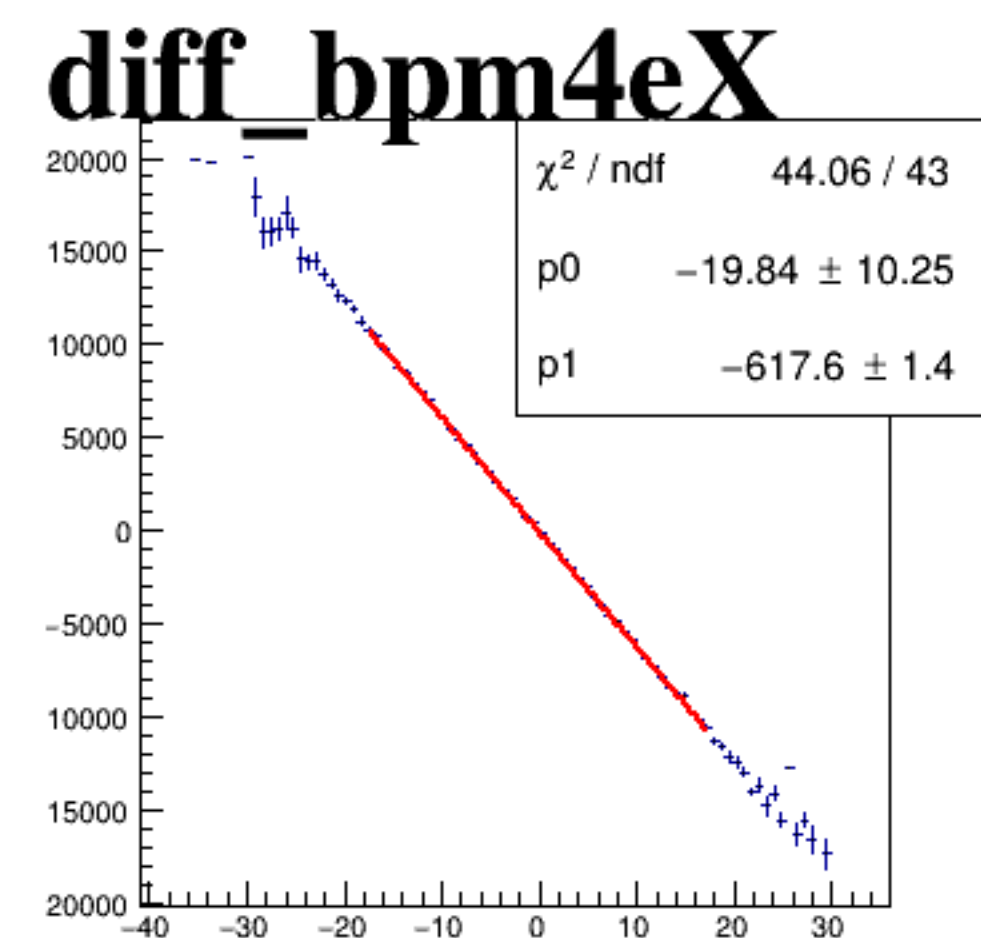
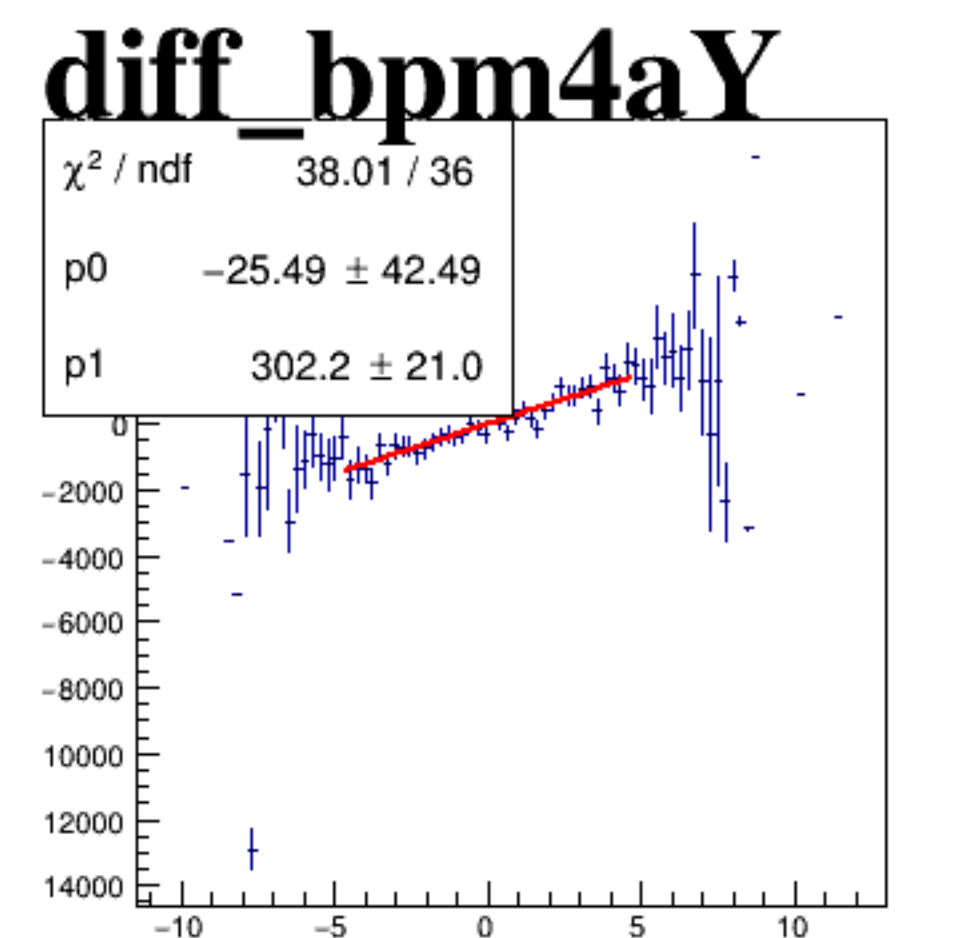
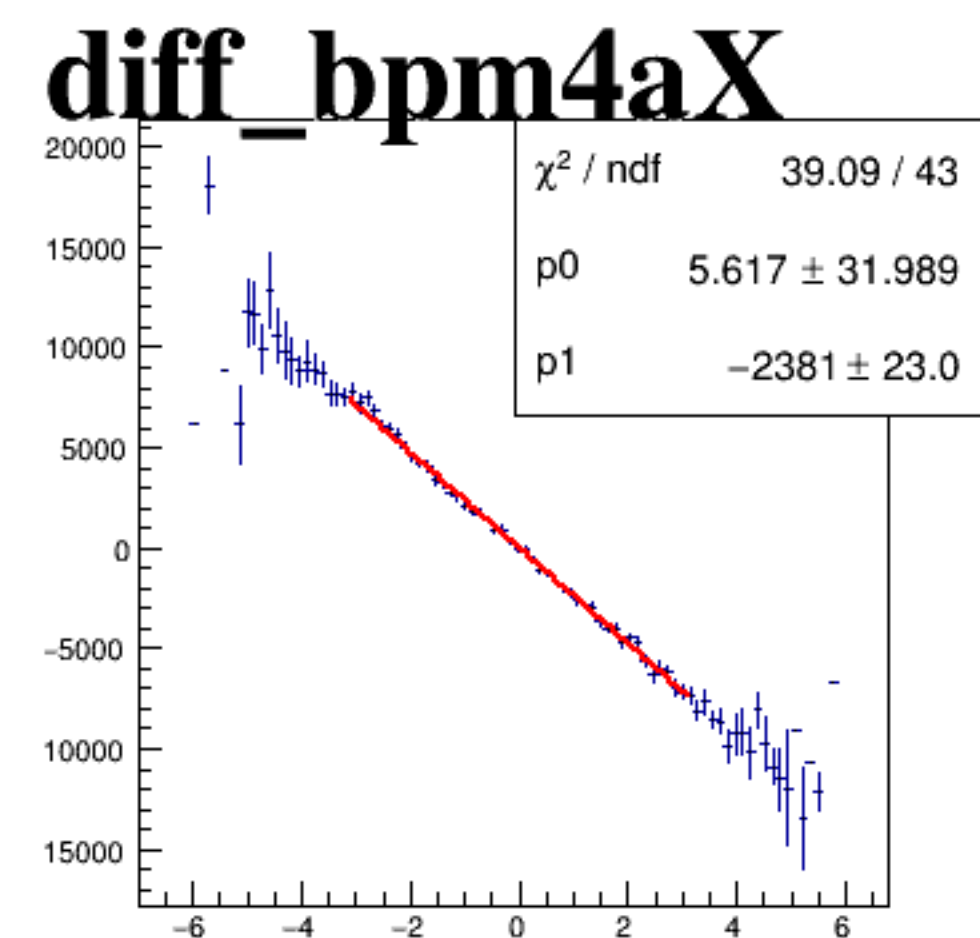
reg_asym_sam7



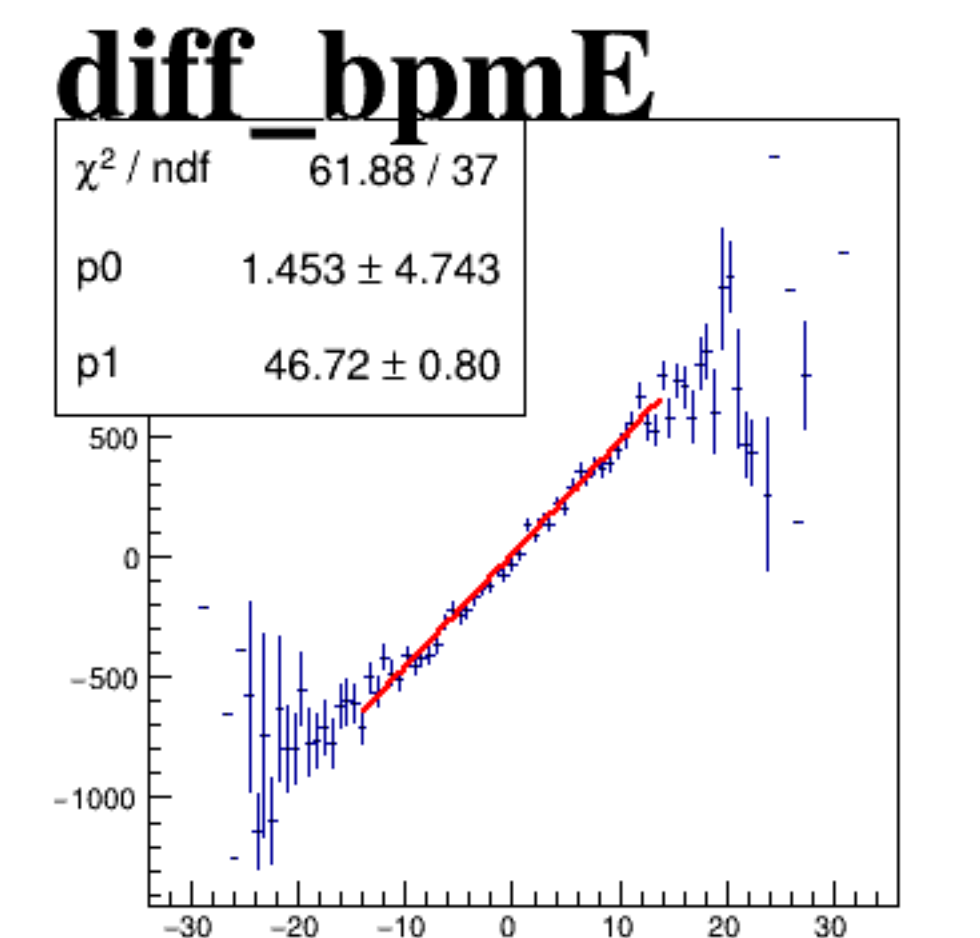
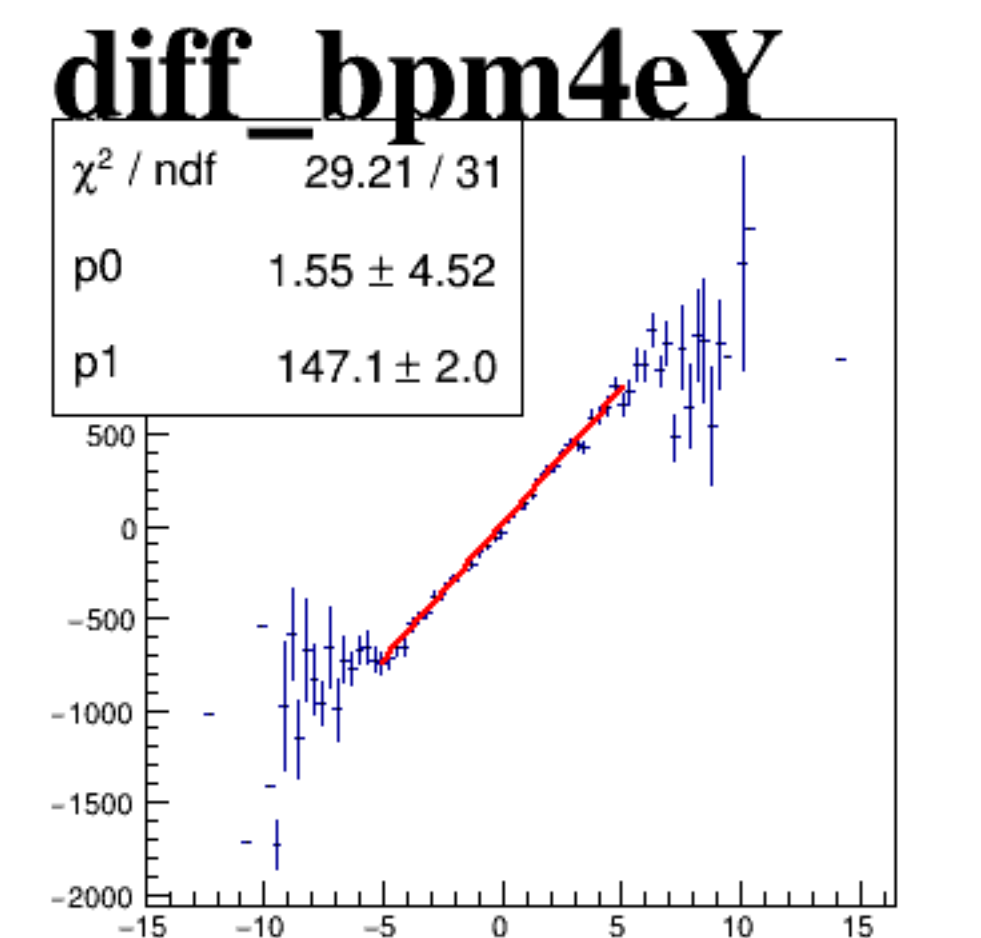
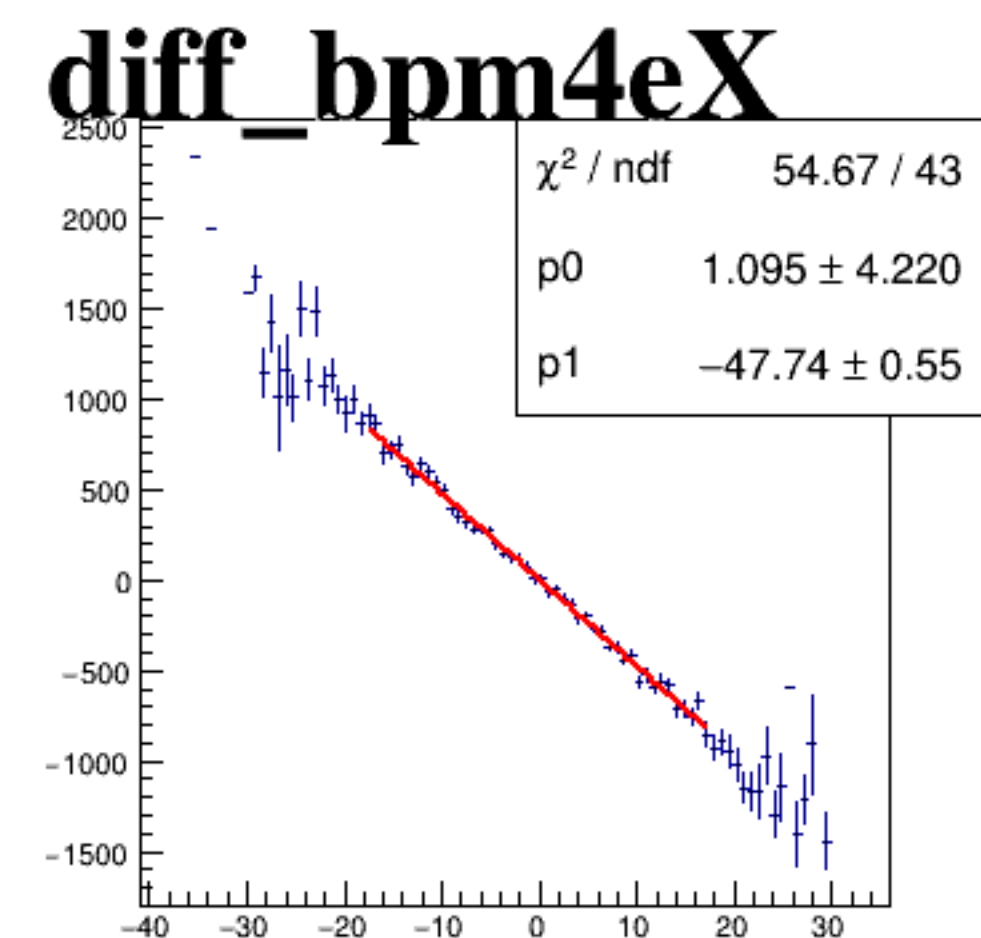
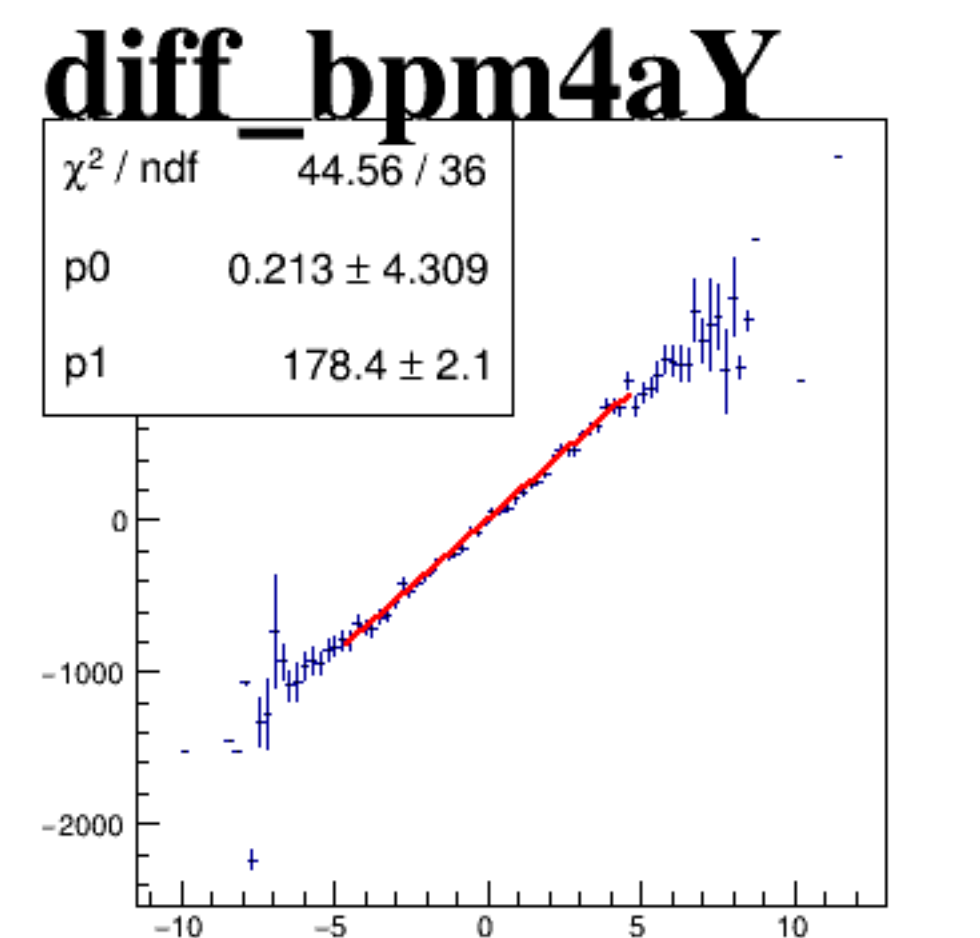
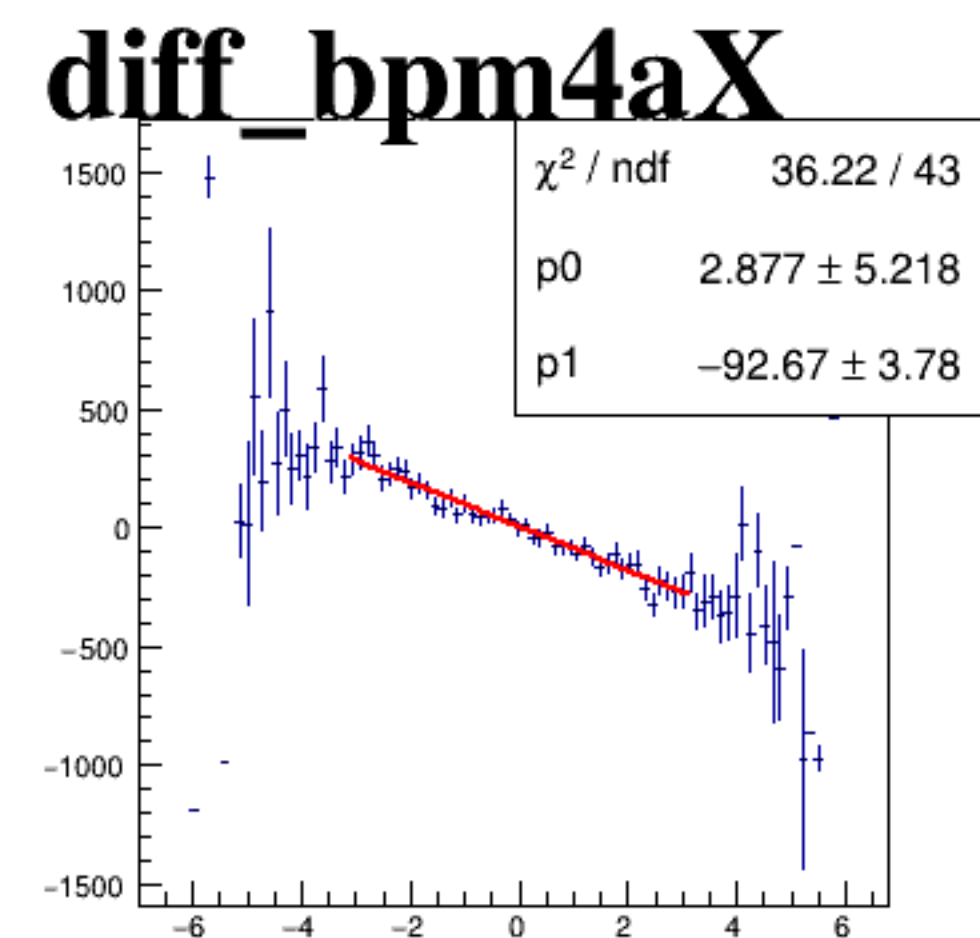
asym_sam1



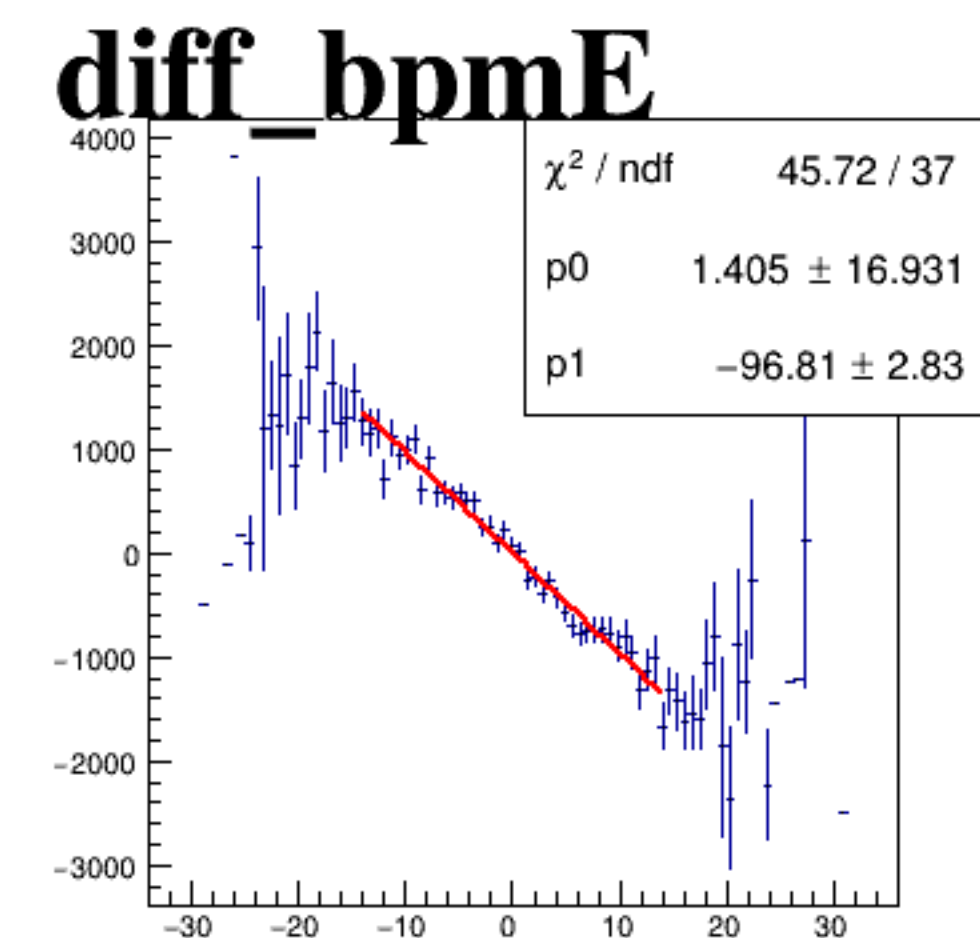
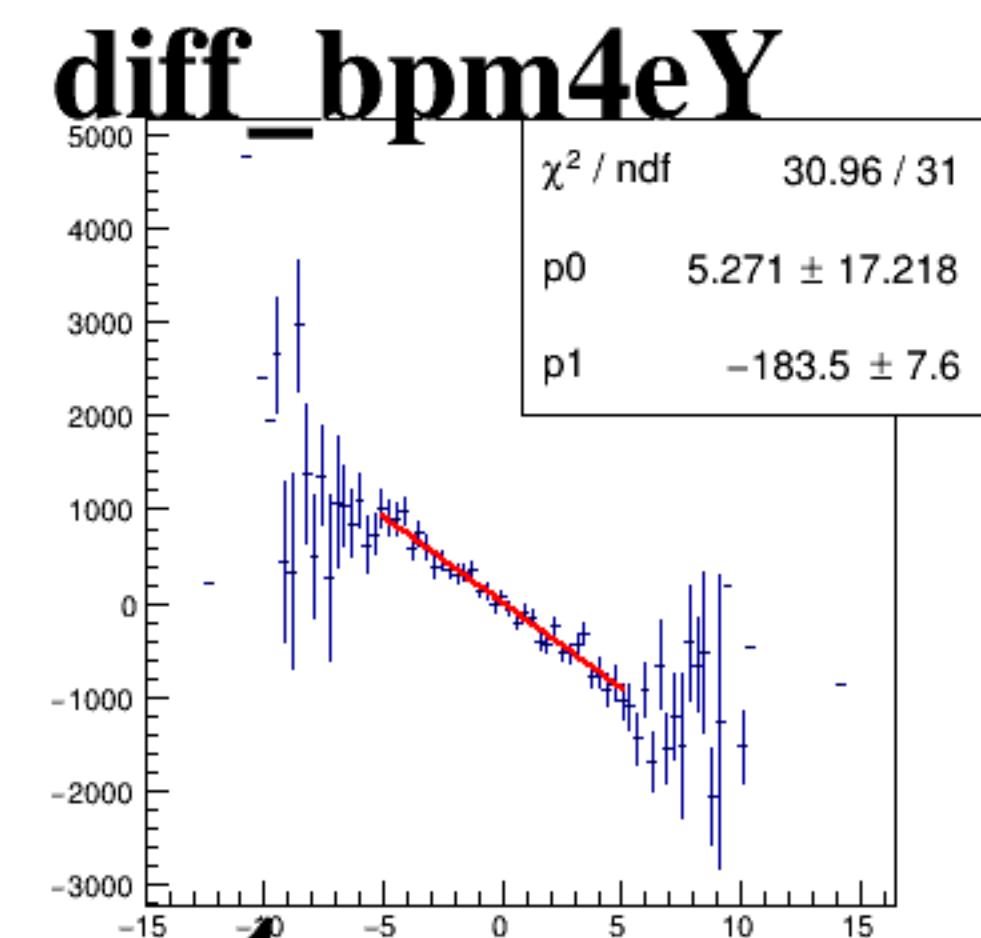
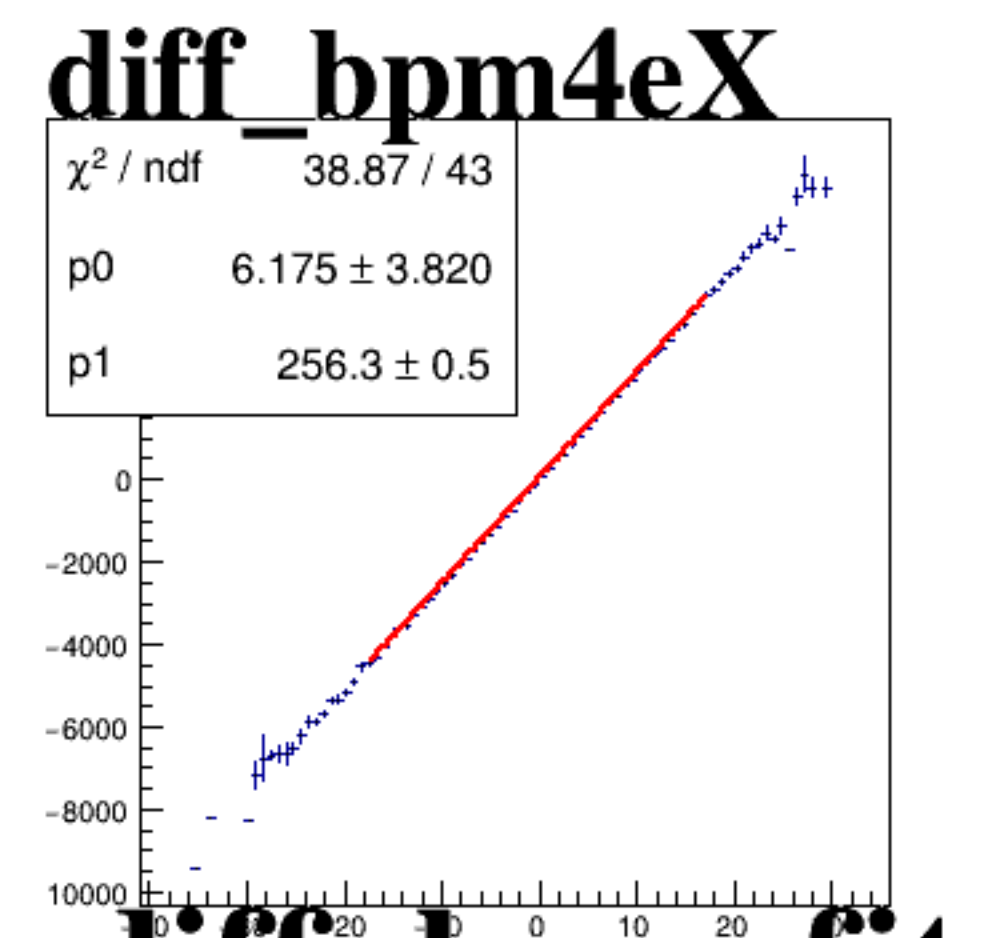
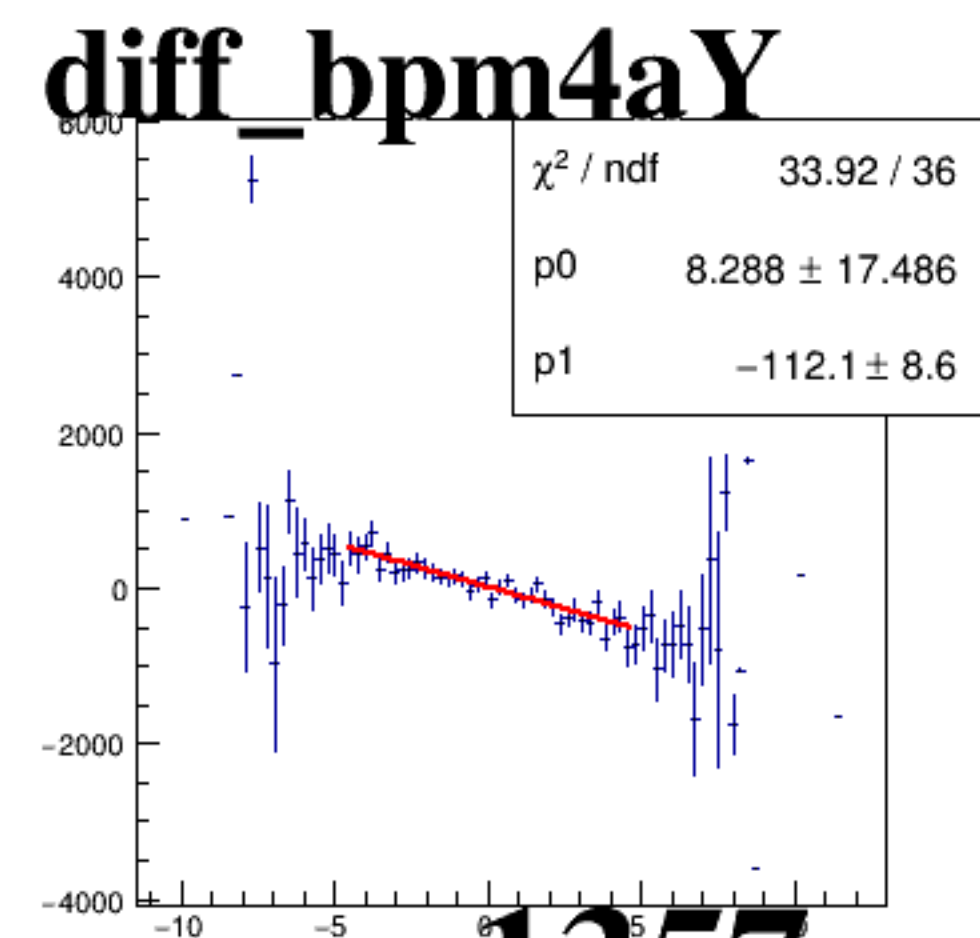
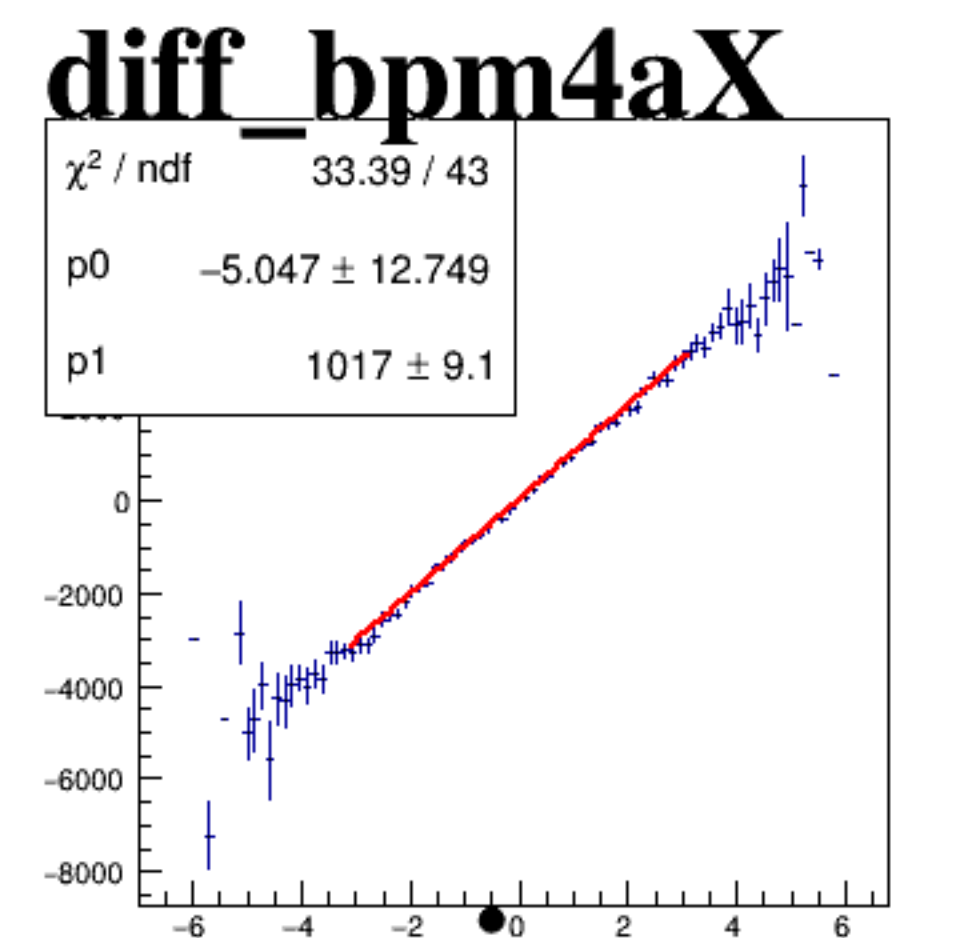
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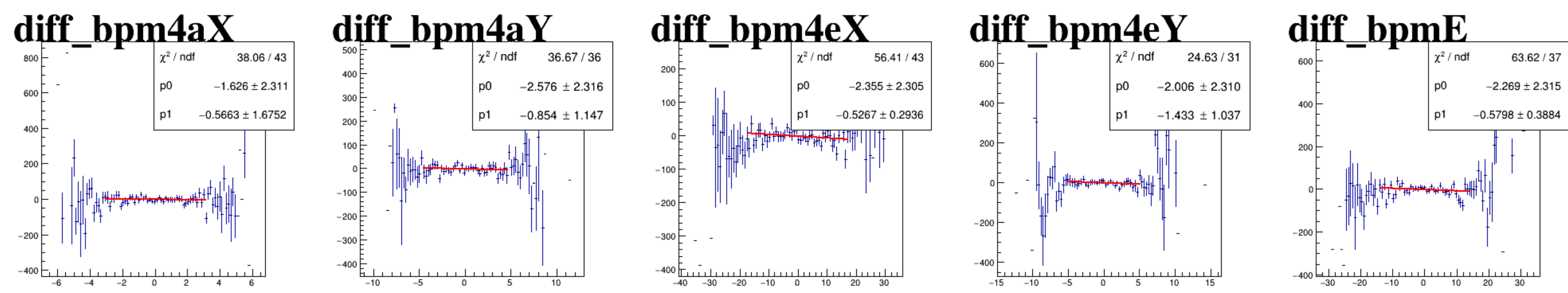
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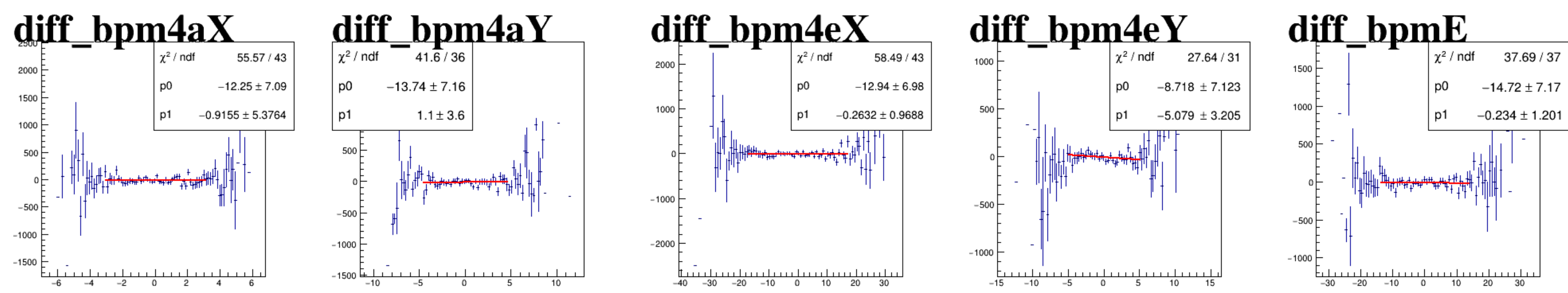
asym_sam7



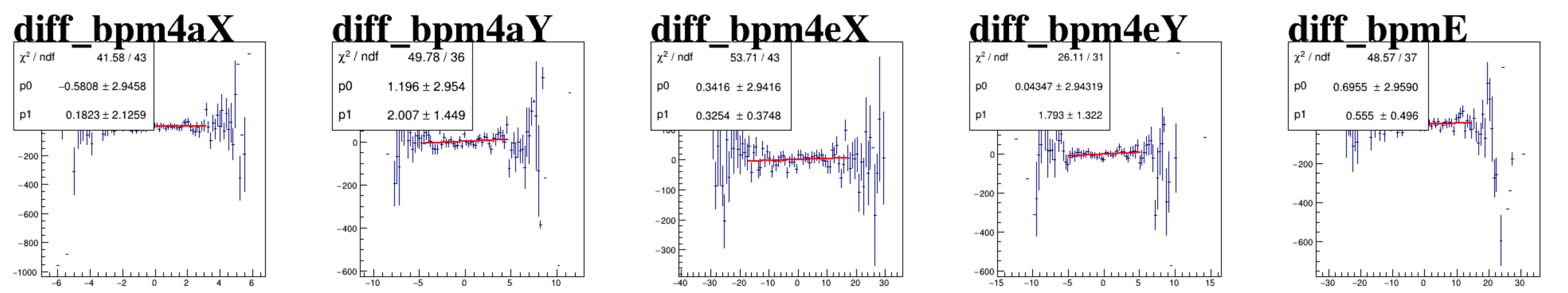
reg_asym_sam1



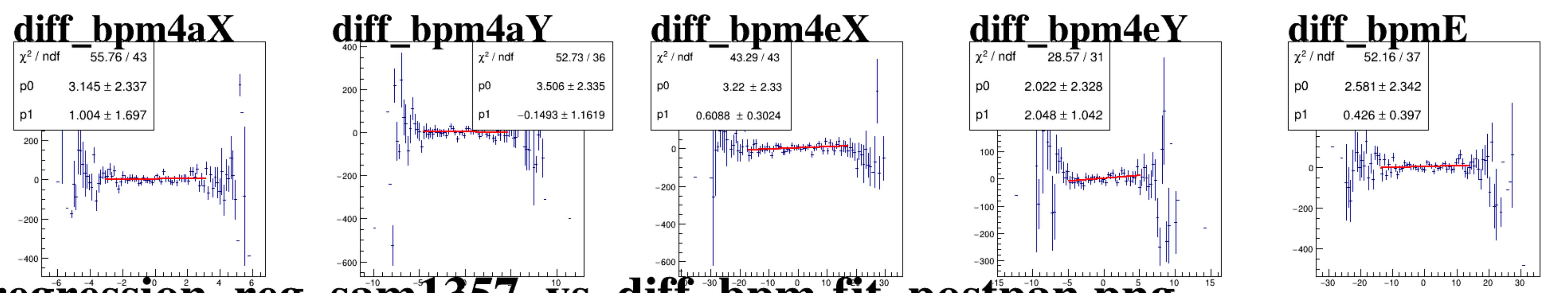
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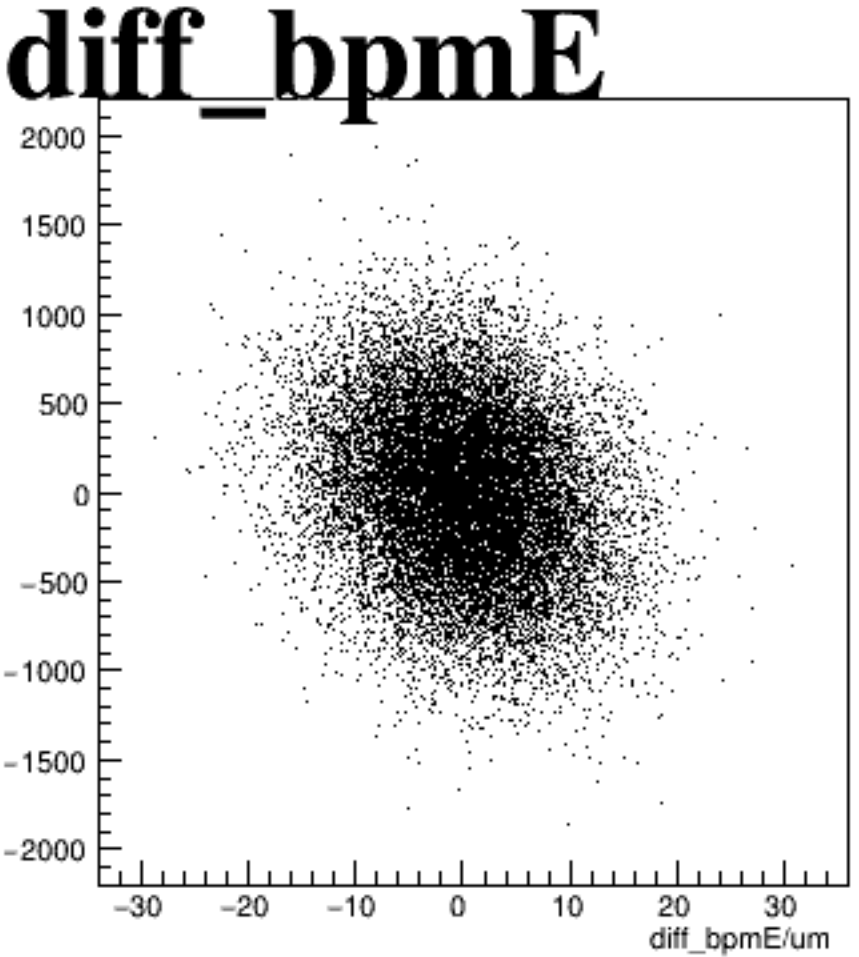
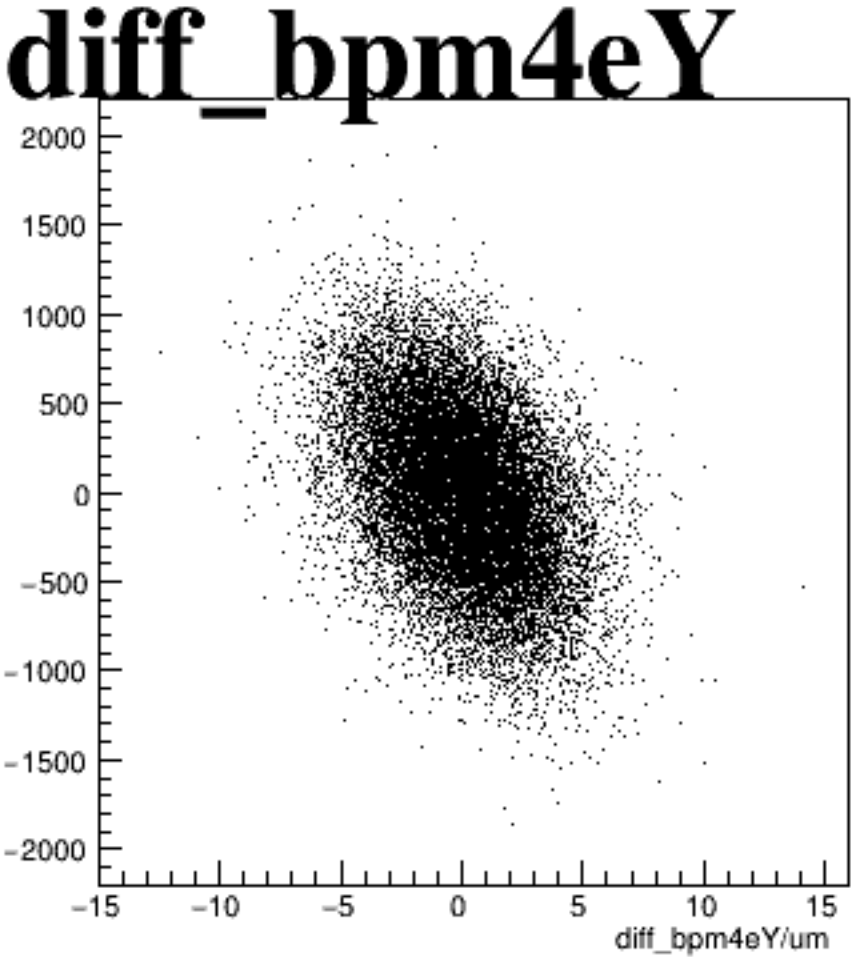
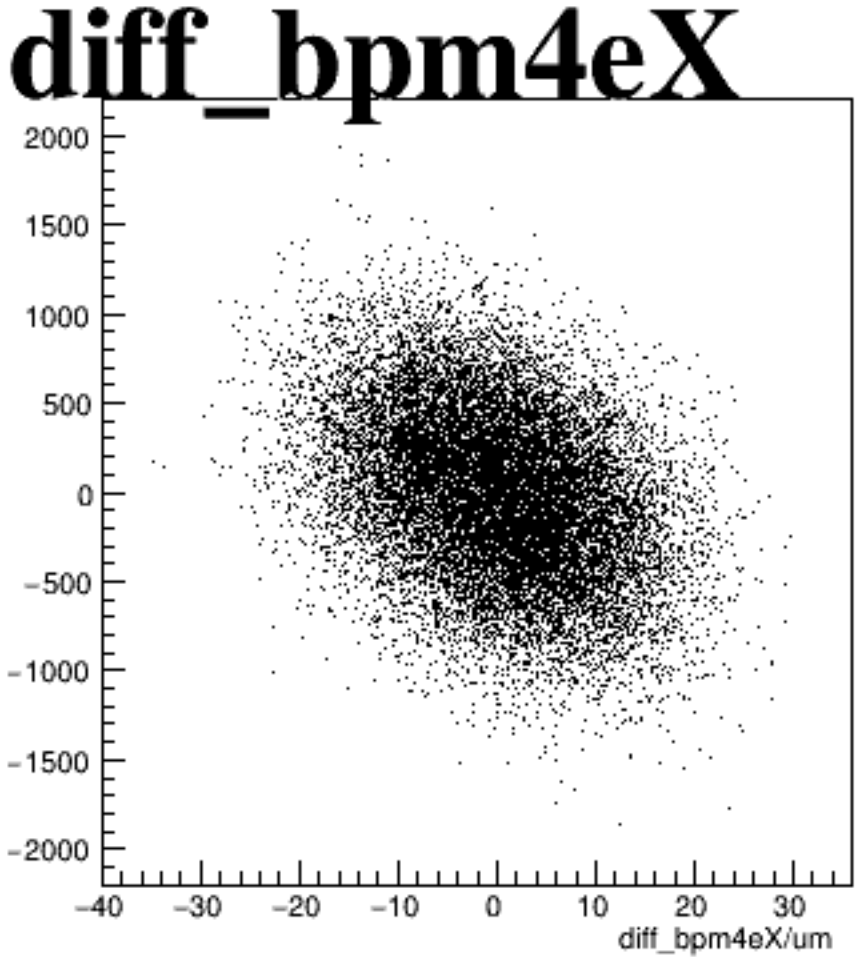
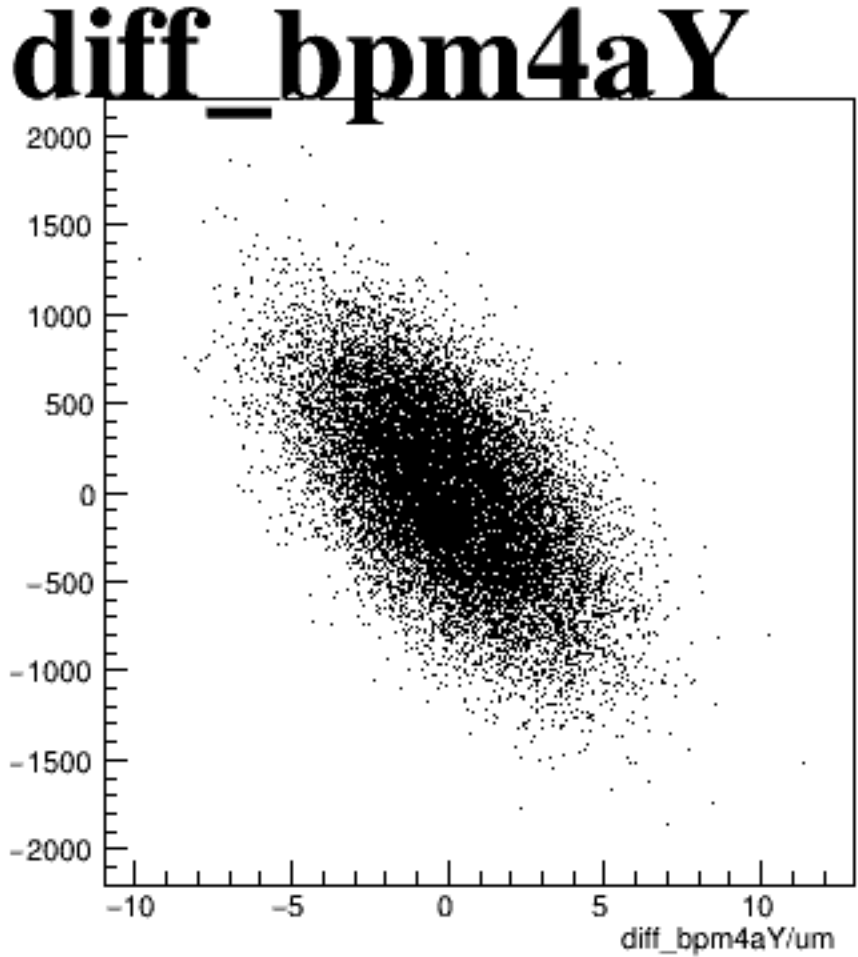
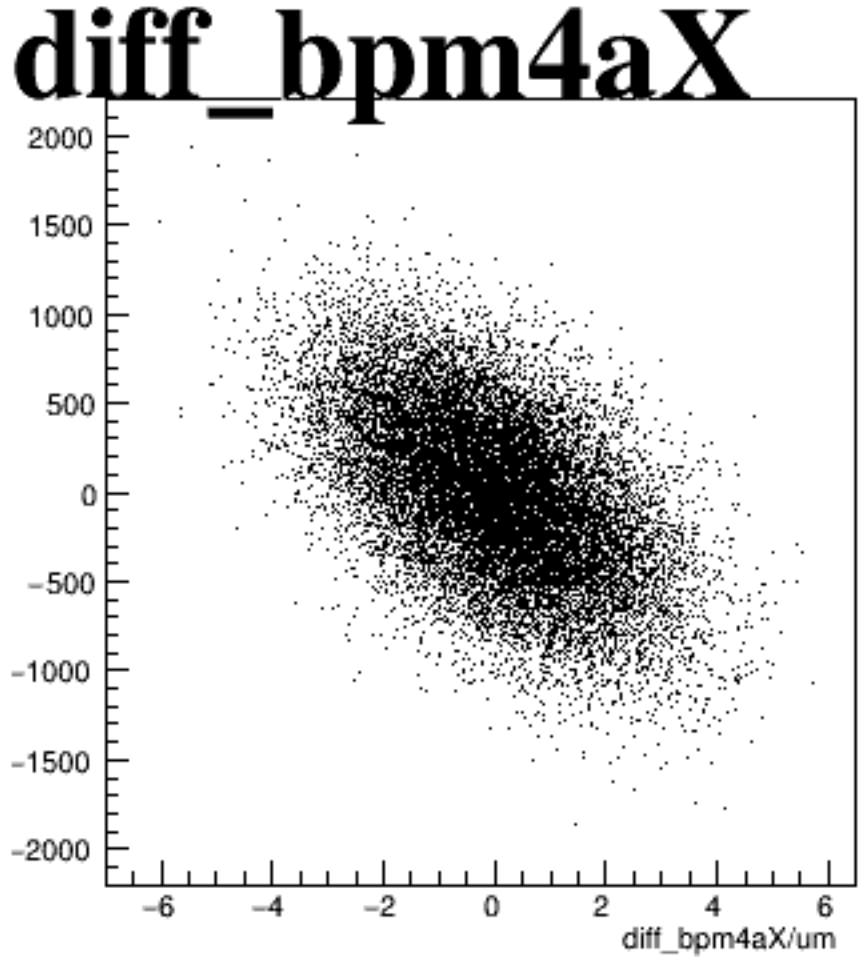
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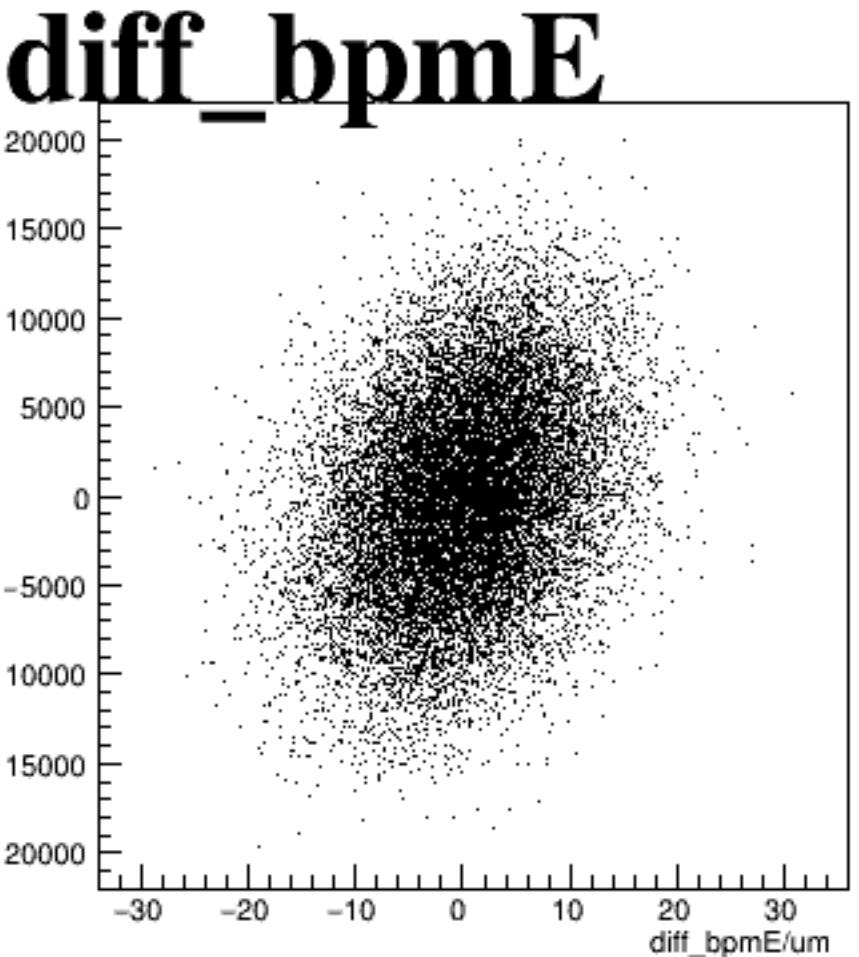
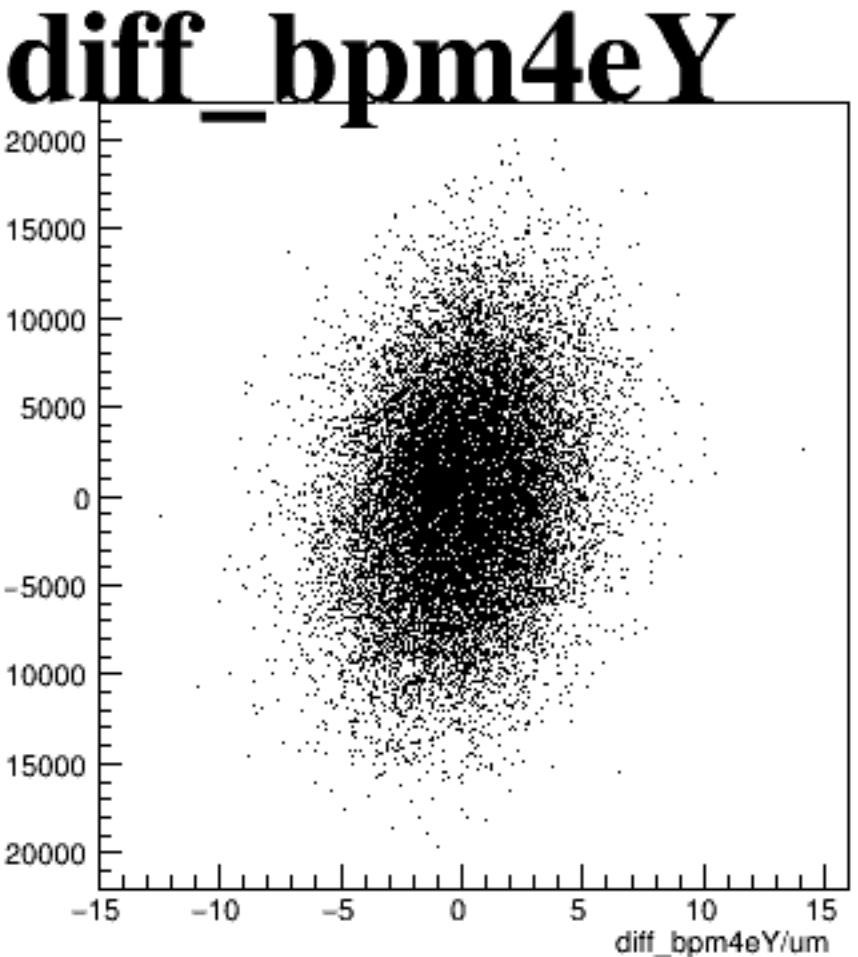
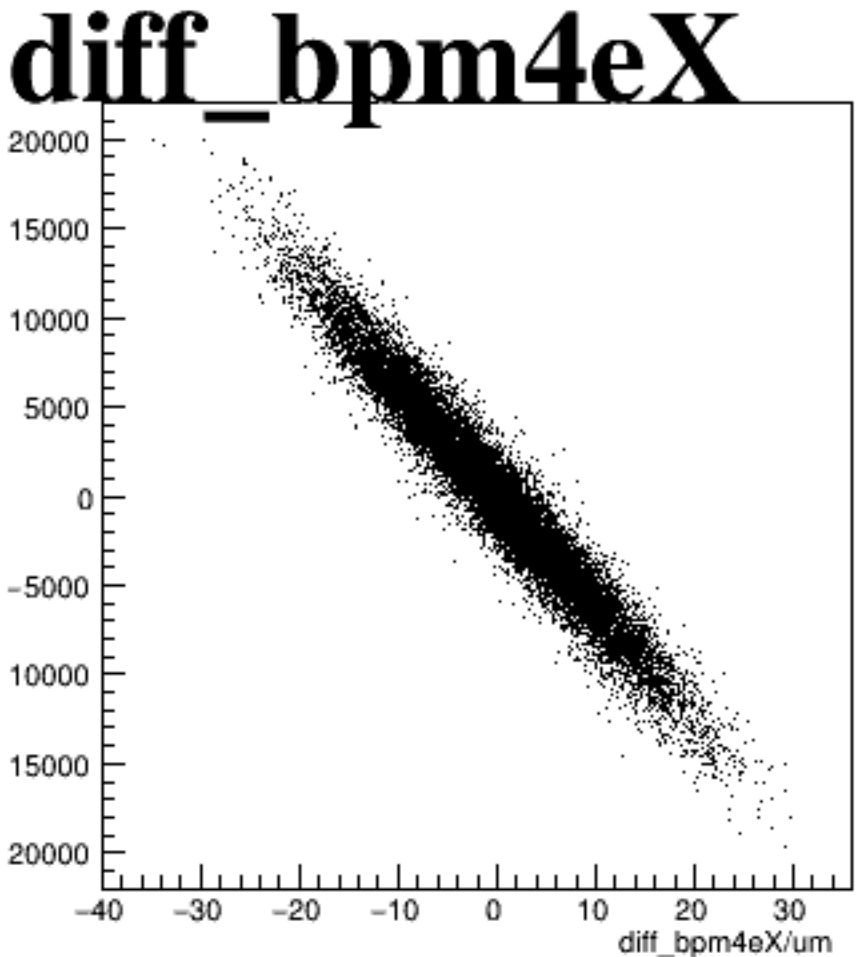
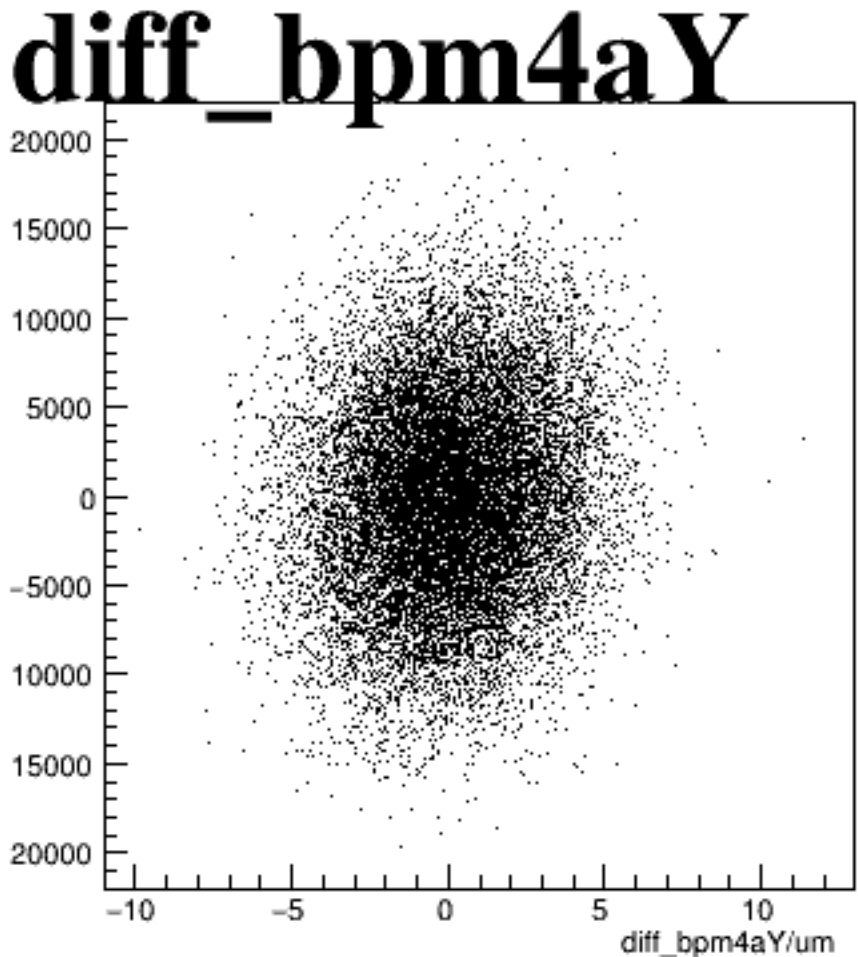
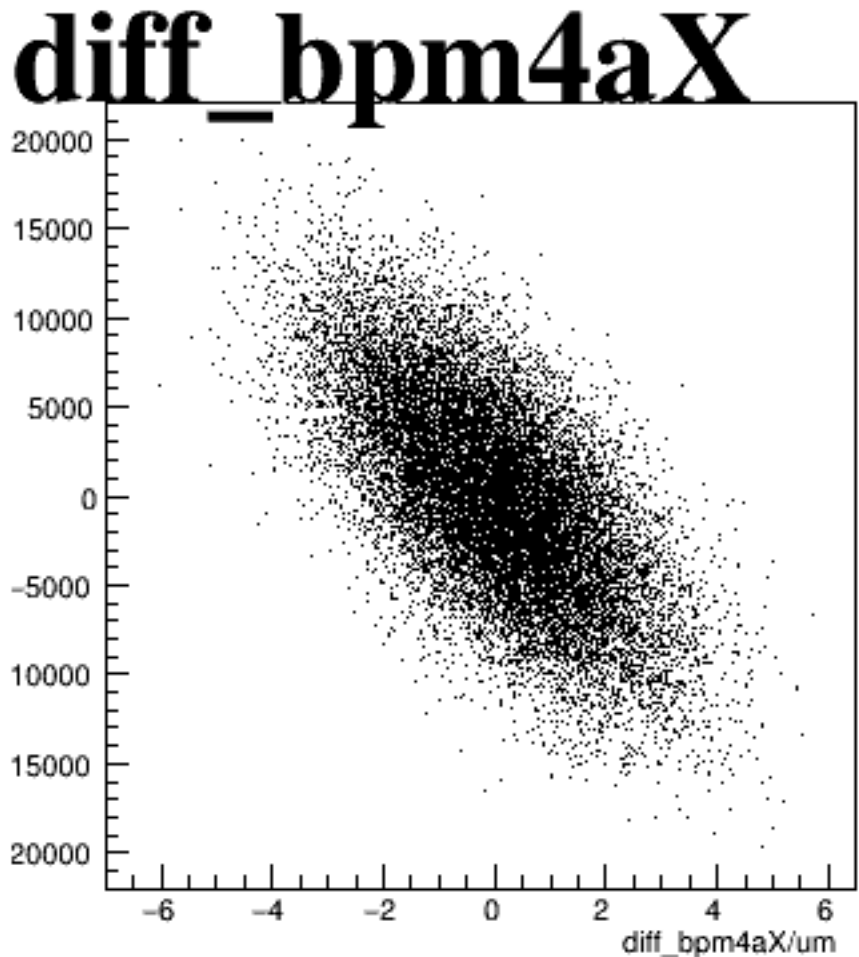
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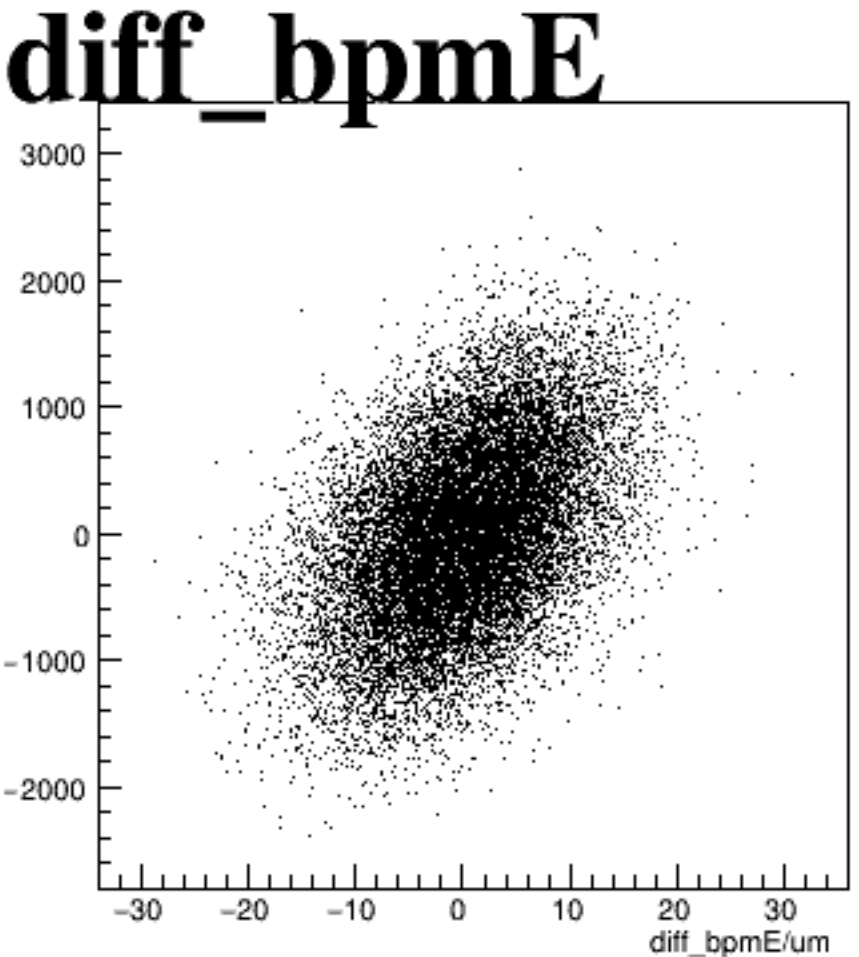
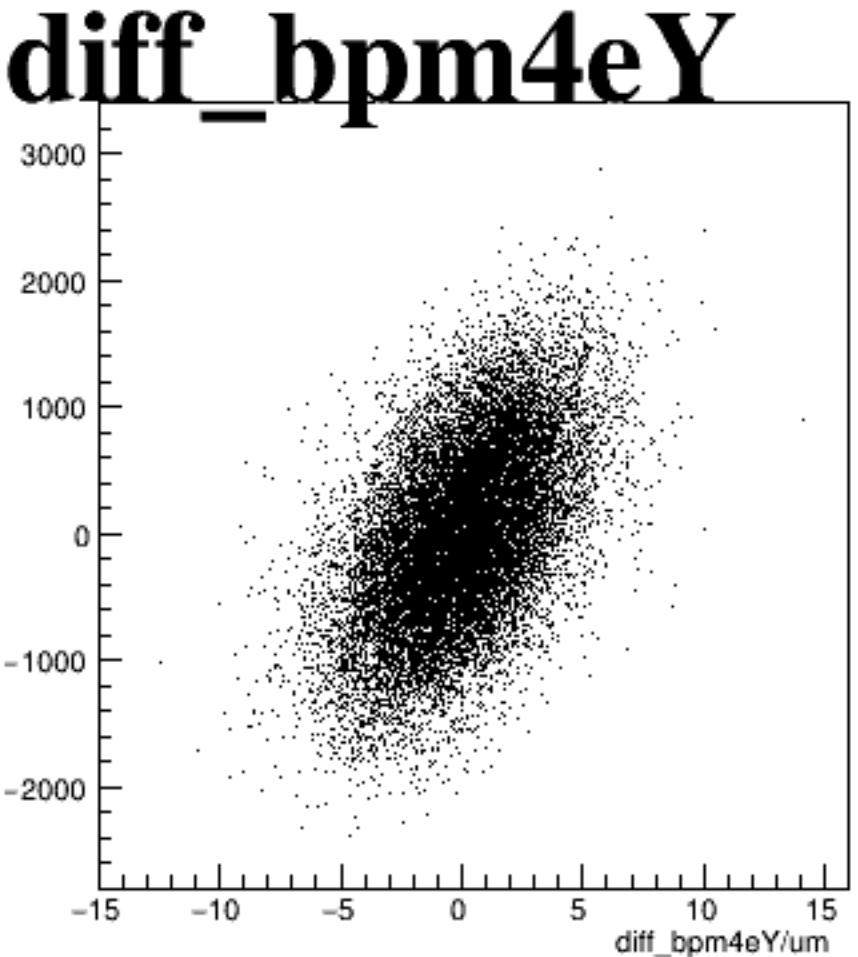
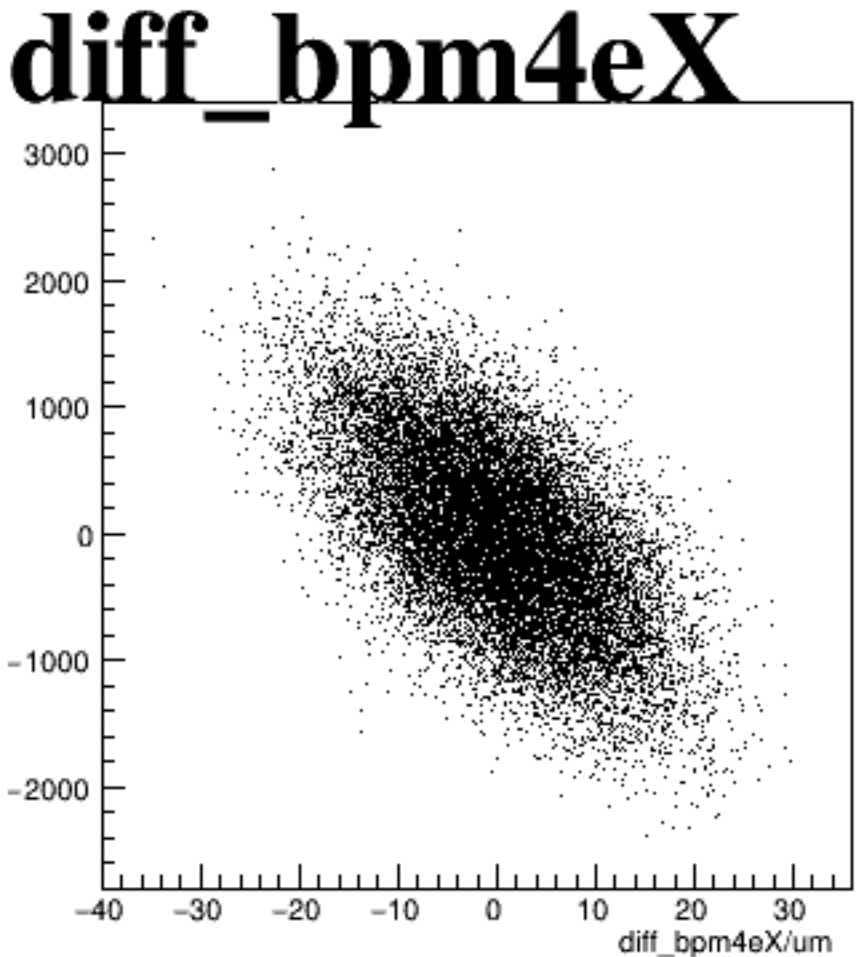
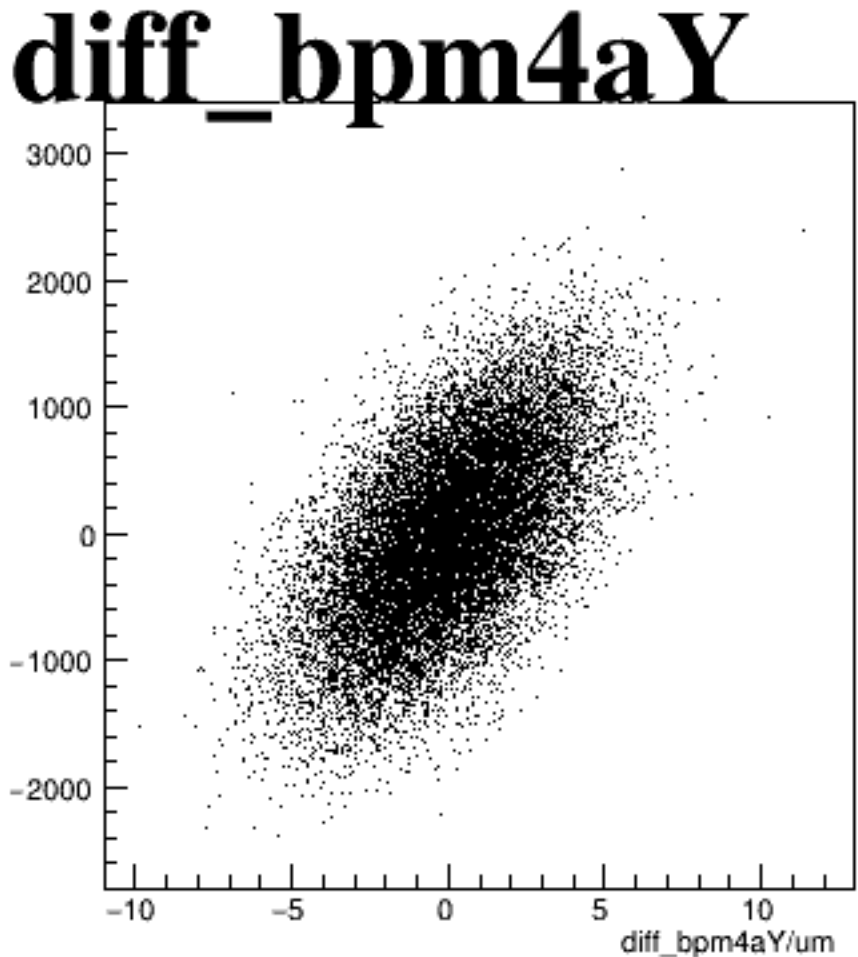
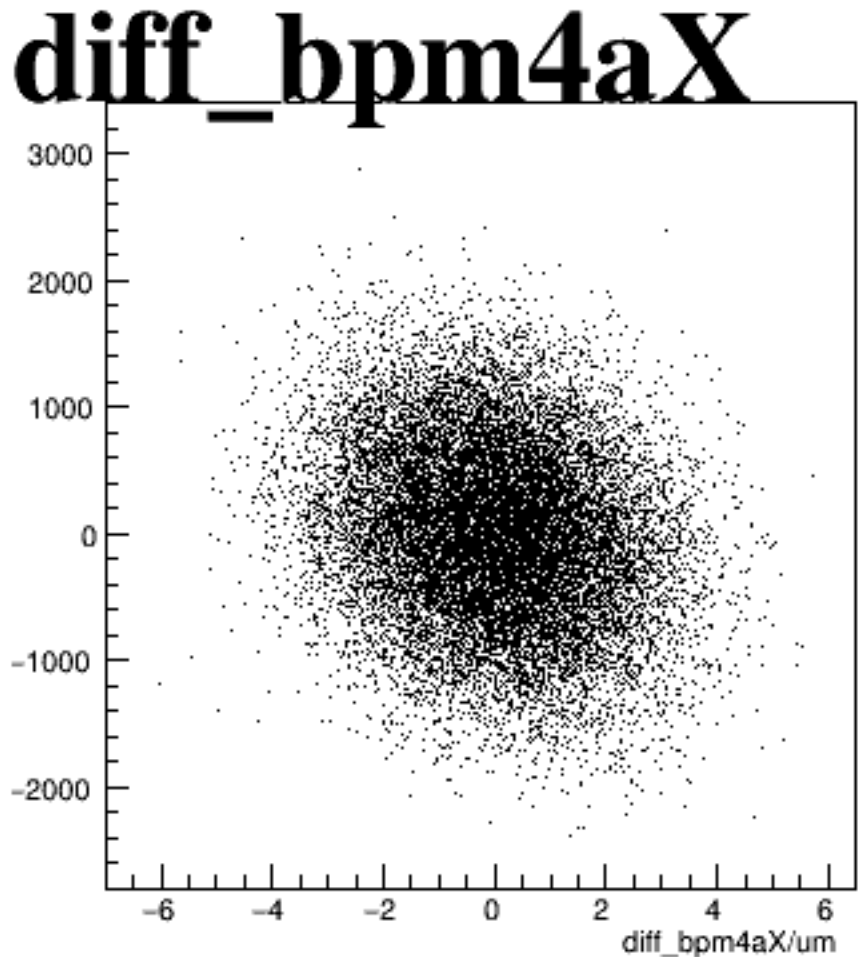
asym_sam1



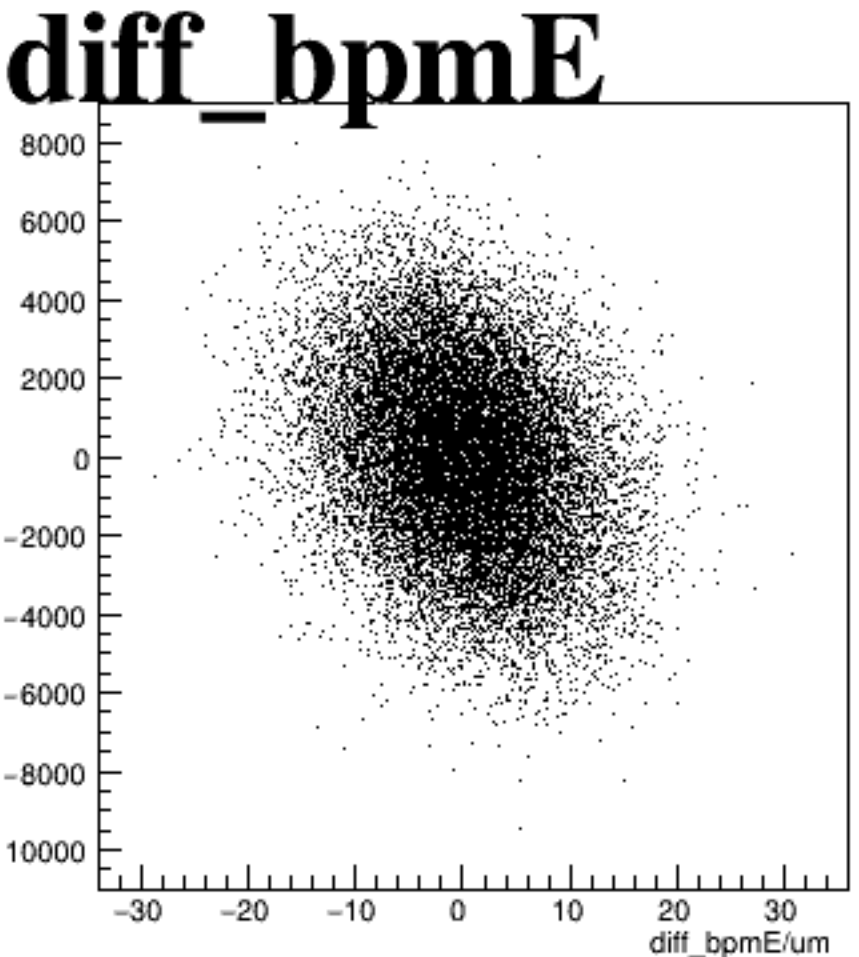
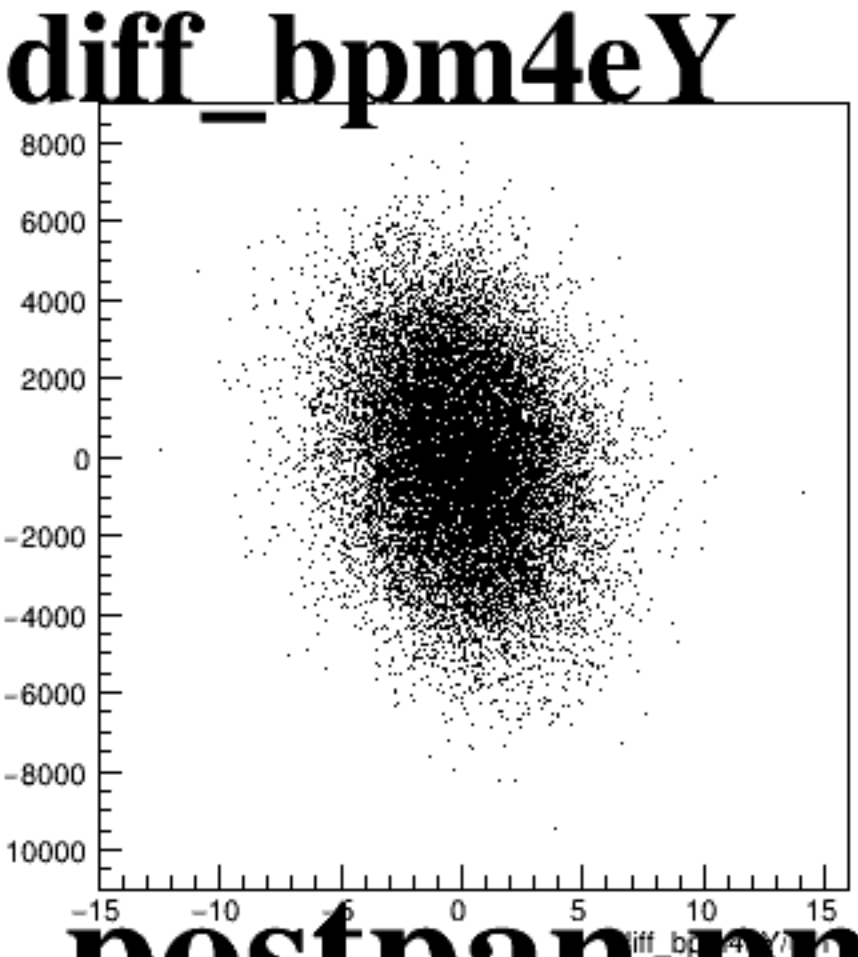
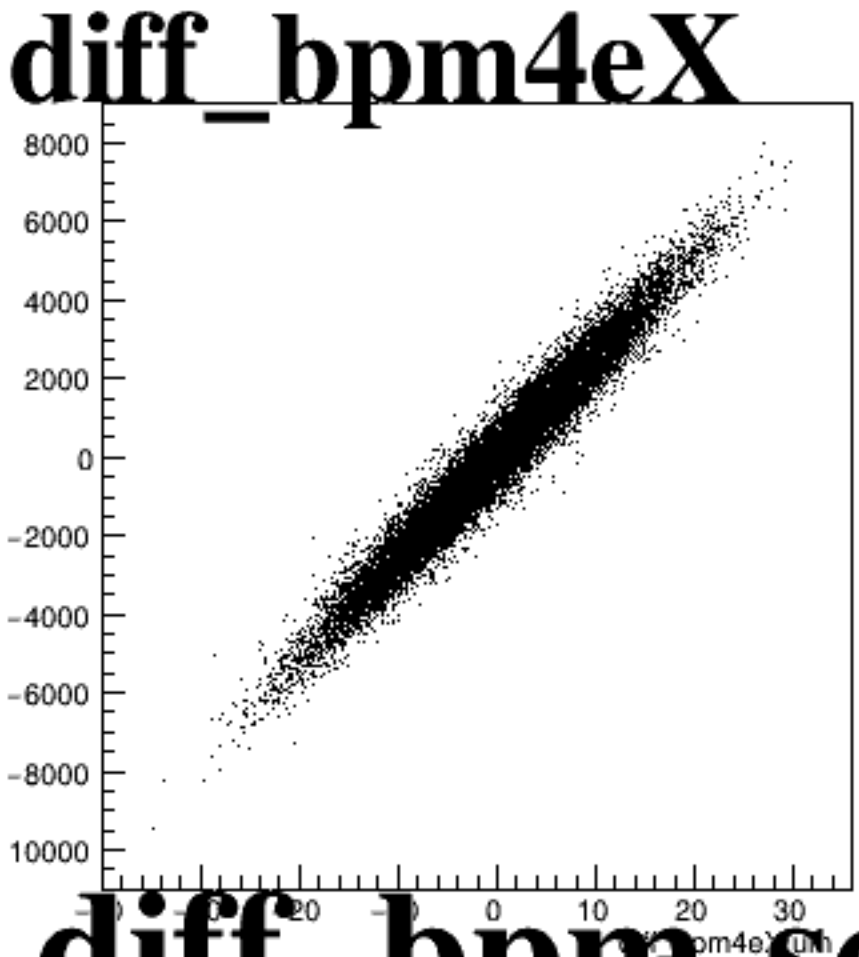
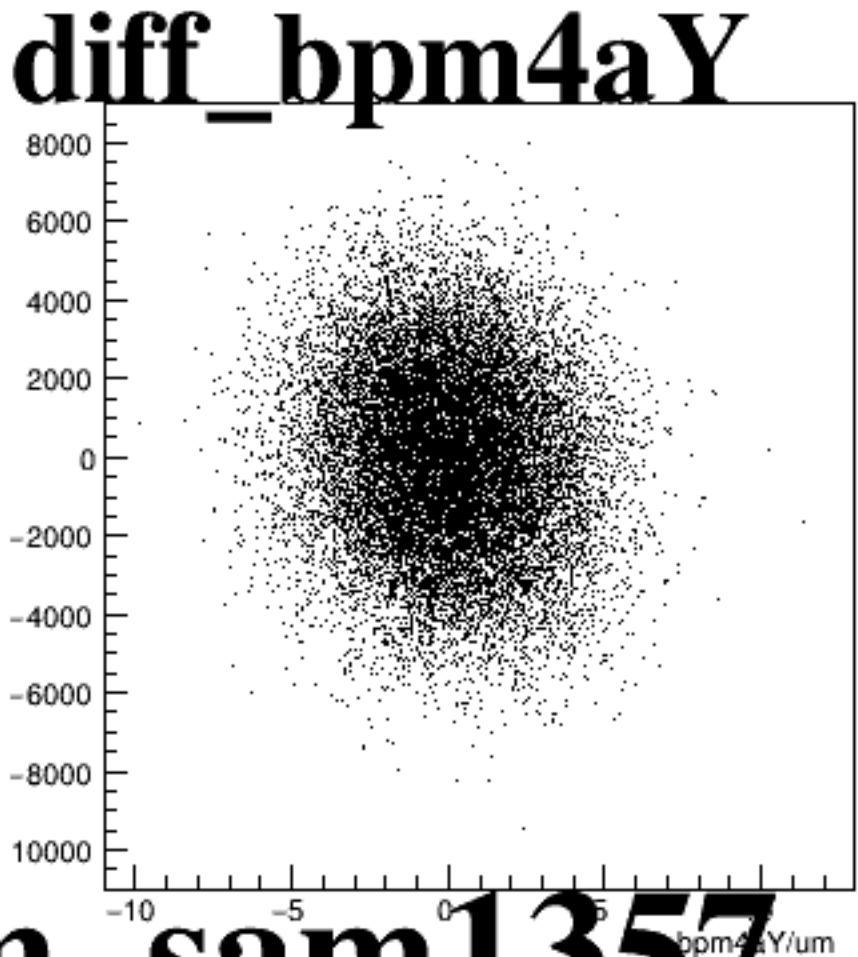
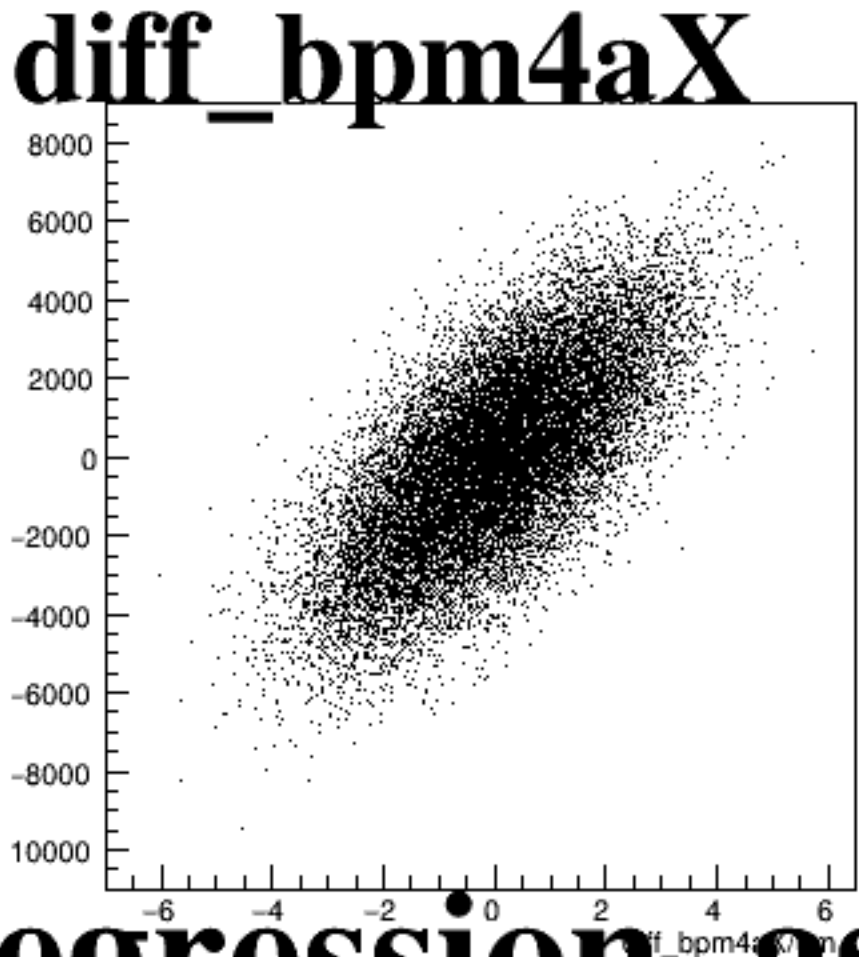
asym_sam3



asym_sam5



asym_sam7



The figure displays five scatter plots arranged horizontally, each showing the distribution of a different variable. The variables are labeled as follows:

- diff_bpm4aX**: The X-axis ranges from -6 to 6, and the Y-axis ranges from -1500 to 1500.
- diff_bpm4aY**: The X-axis ranges from -10 to 10, and the Y-axis ranges from -1500 to 1500.
- diff_bpm4eX**: The X-axis ranges from -40 to 30, and the Y-axis ranges from -1500 to 1500.
- diff_bpm4eY**: The X-axis ranges from -15 to 15, and the Y-axis ranges from -1500 to 1500.
- diff_bpmE**: The X-axis ranges from -30 to 30, and the Y-axis ranges from -1500 to 1500.

All plots show a dense, roughly circular cloud of points centered around the origin (0,0). The points are most concentrated in the center and become sparser as they move towards the edges of the distribution. The axes are labeled with the variable name and the unit 'um' (micrometers).

diff_bpm4aX

diff_bpm4aY

diff_bpm4eX

diff_bpm4eY

diff_bpmE