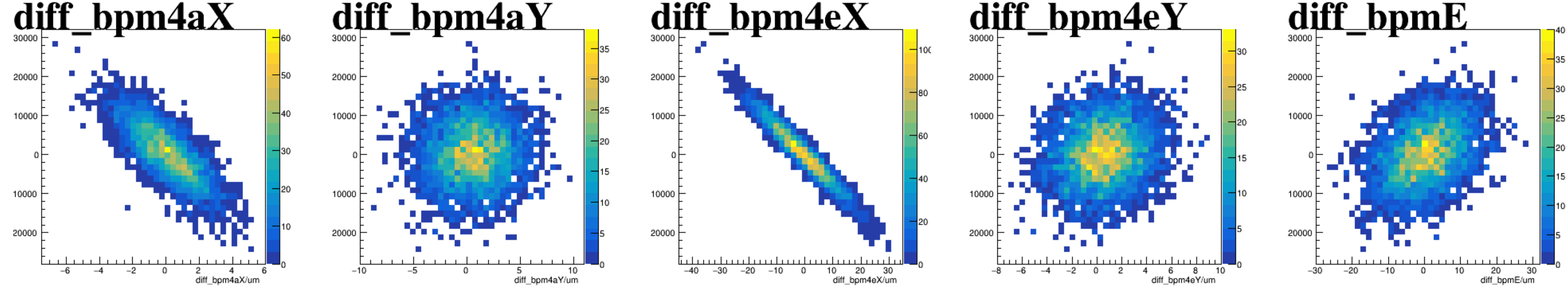
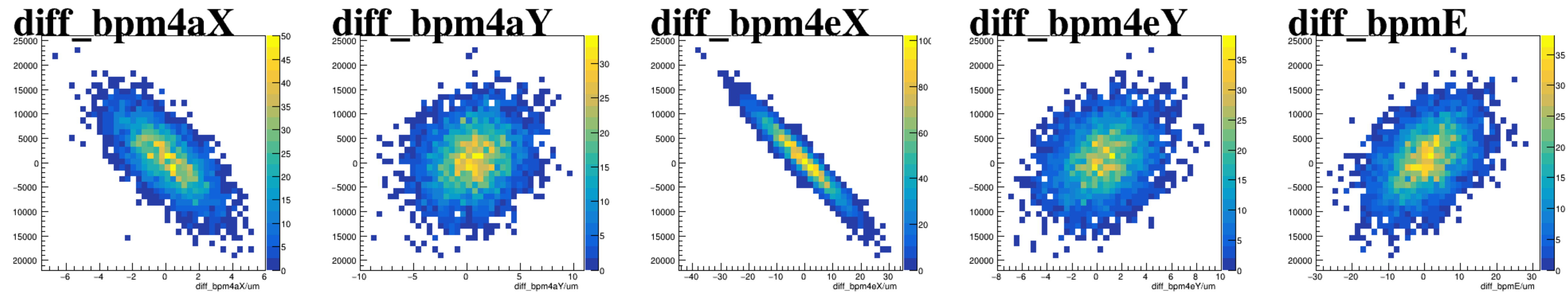


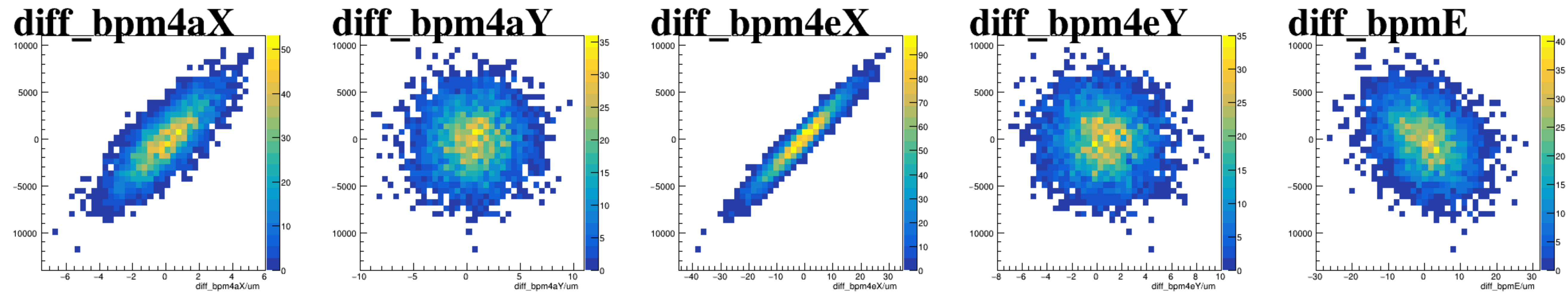
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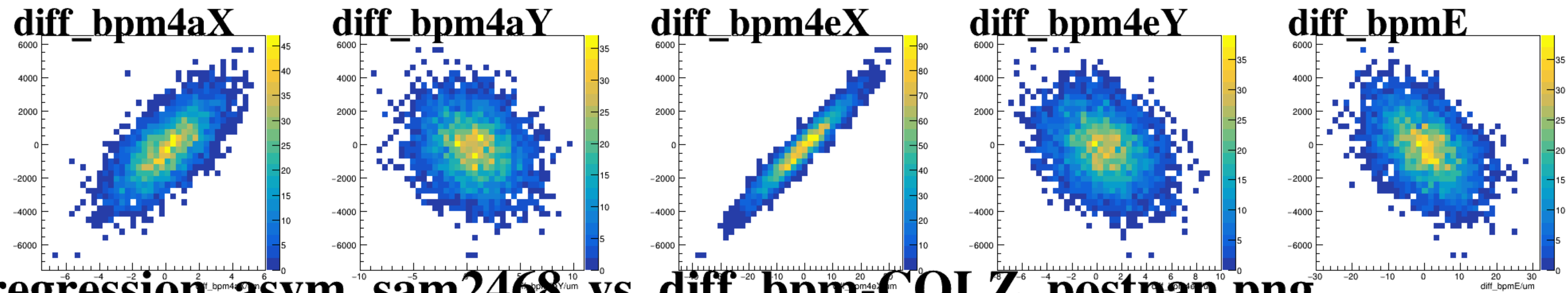
asym_sam4



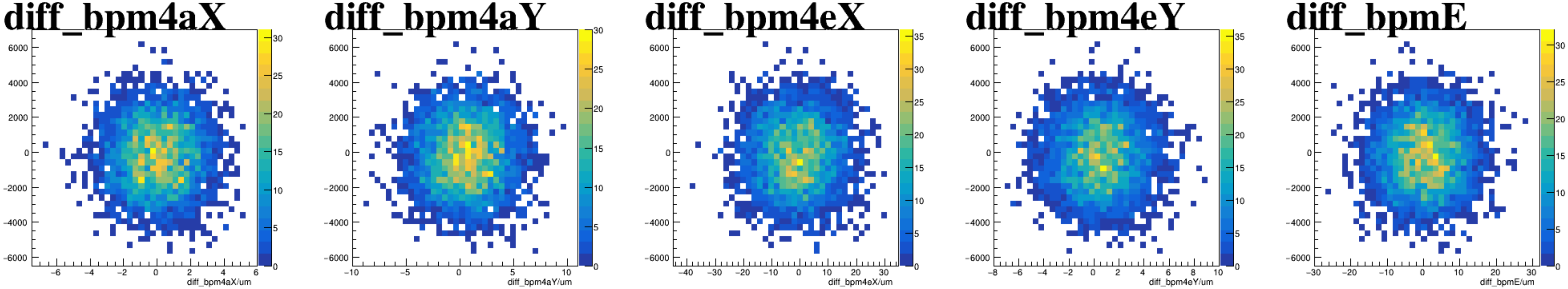
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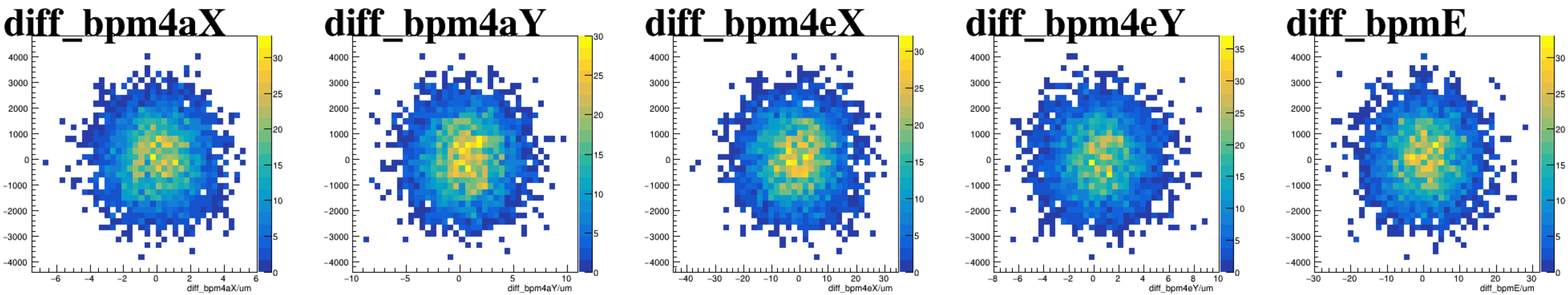
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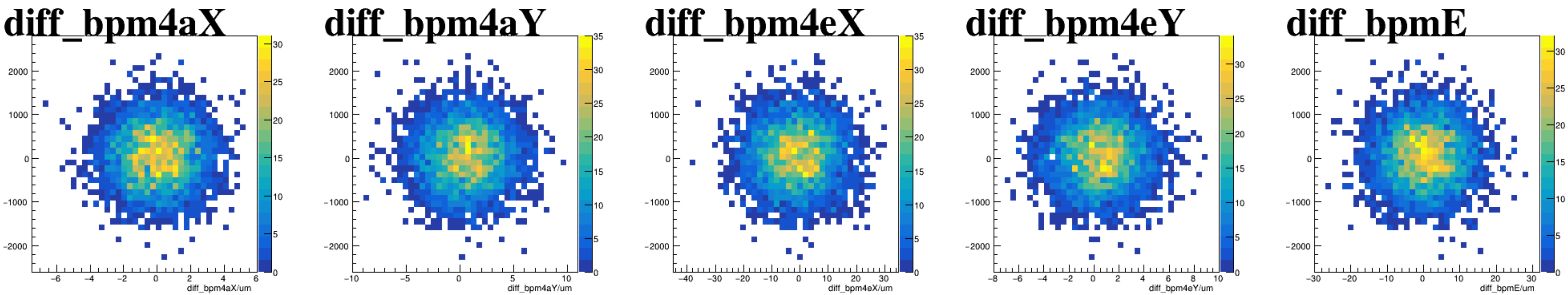
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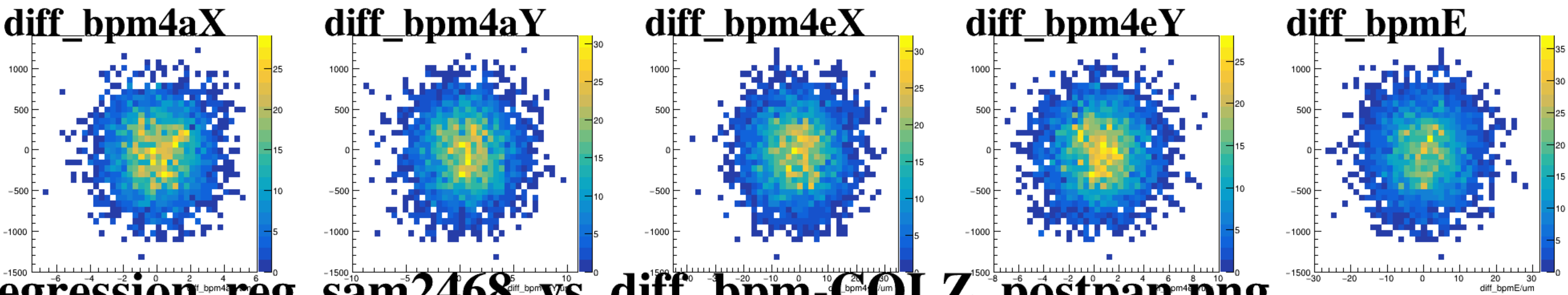
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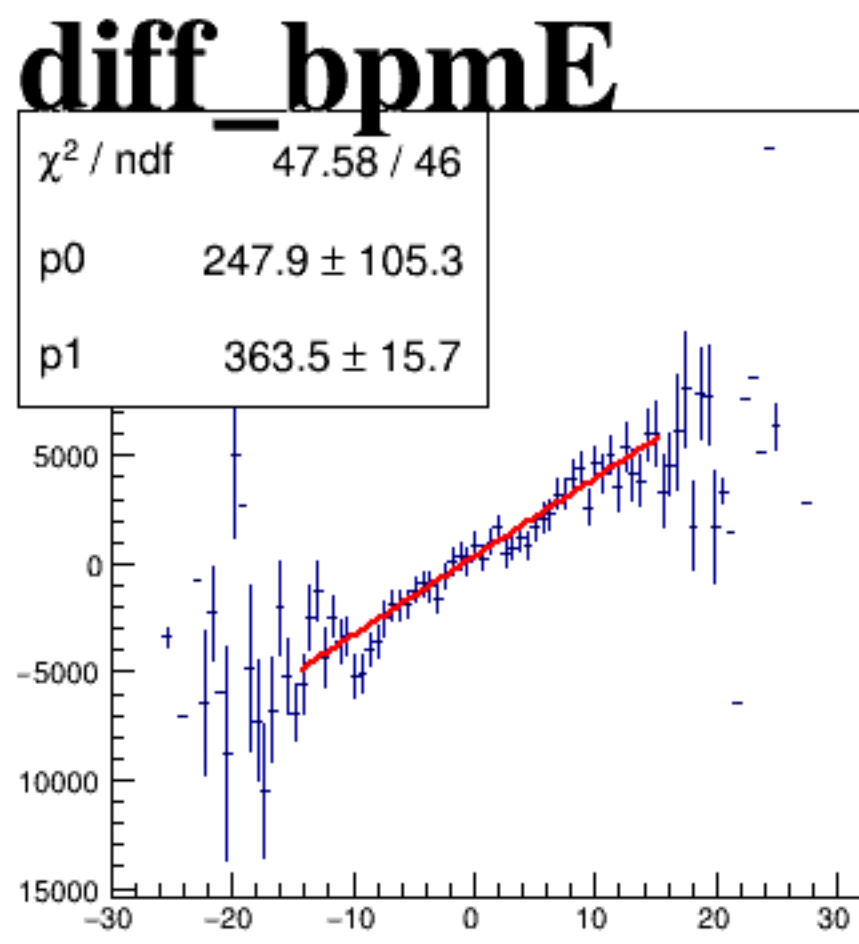
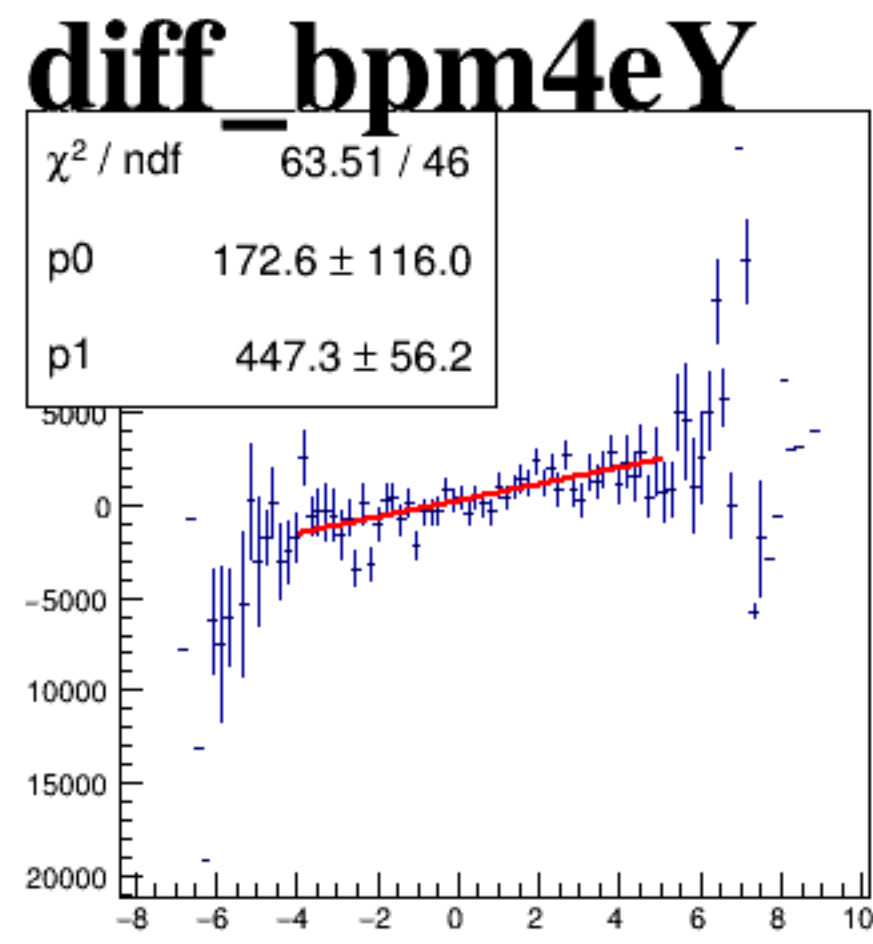
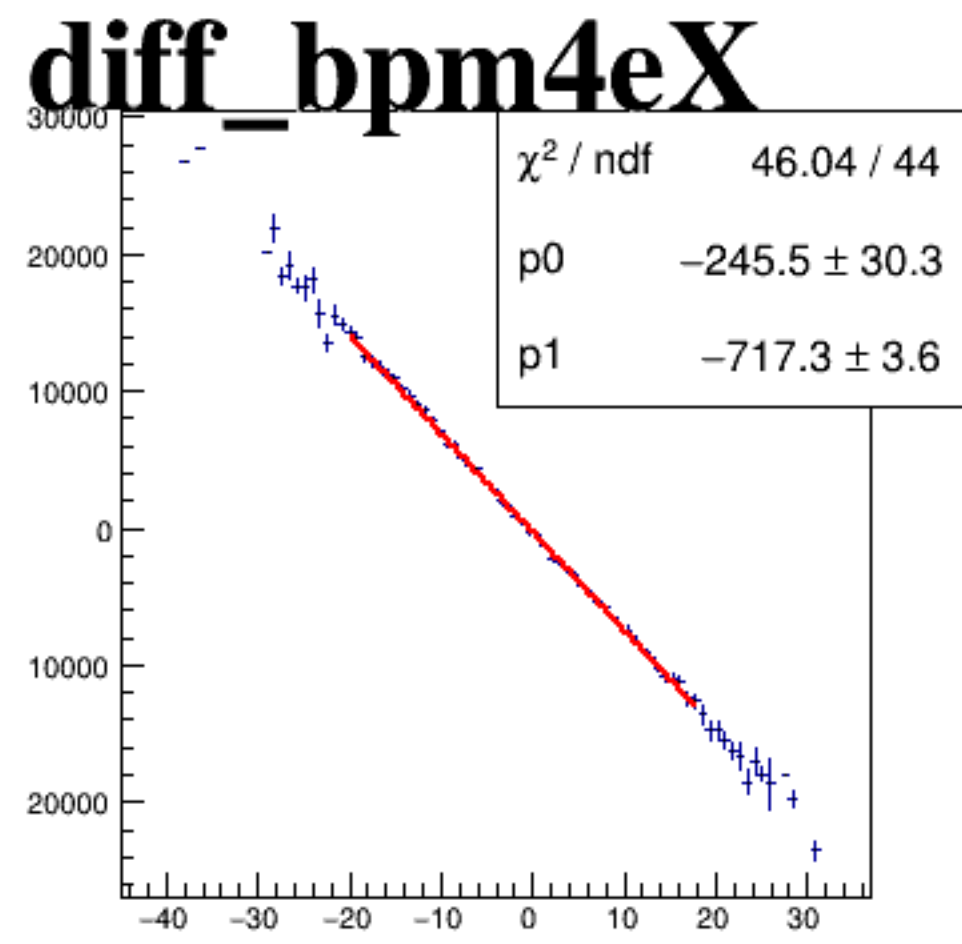
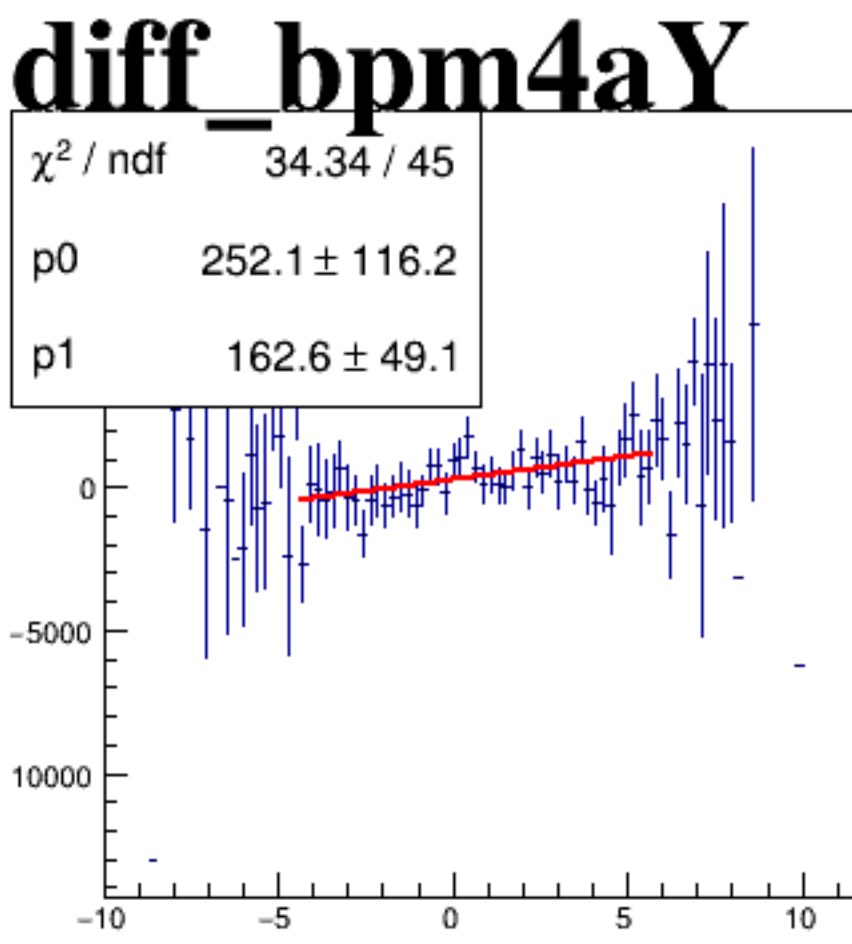
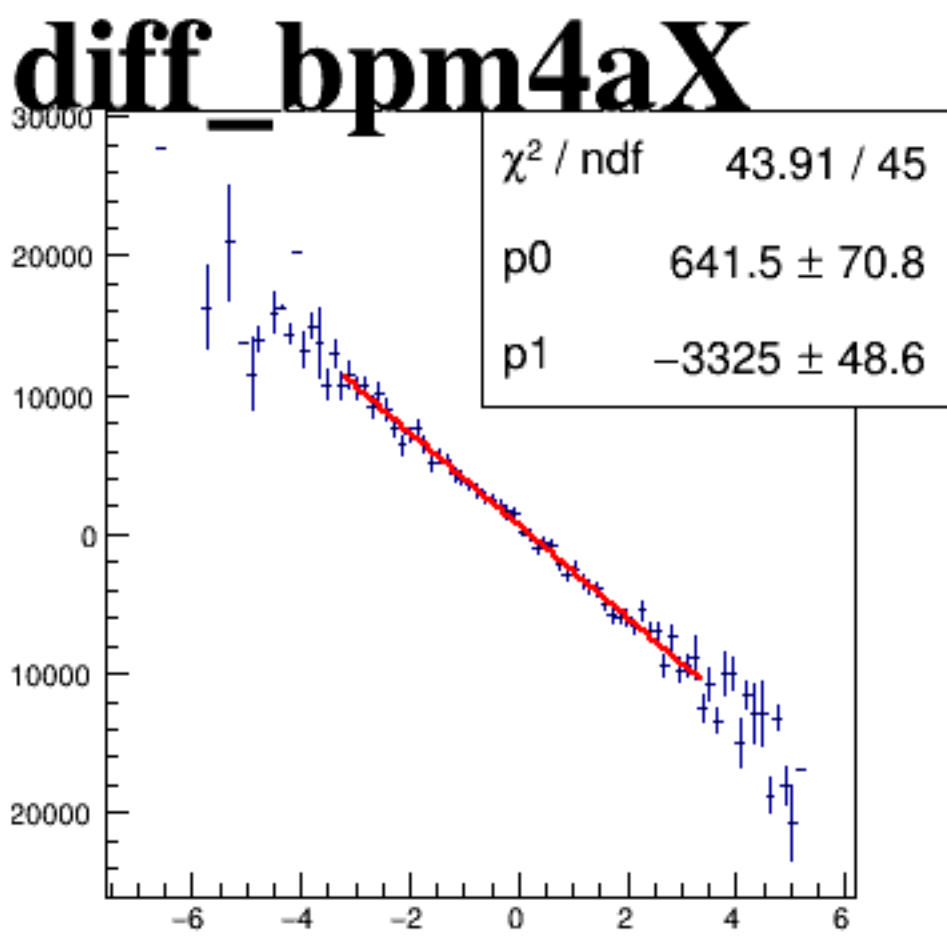
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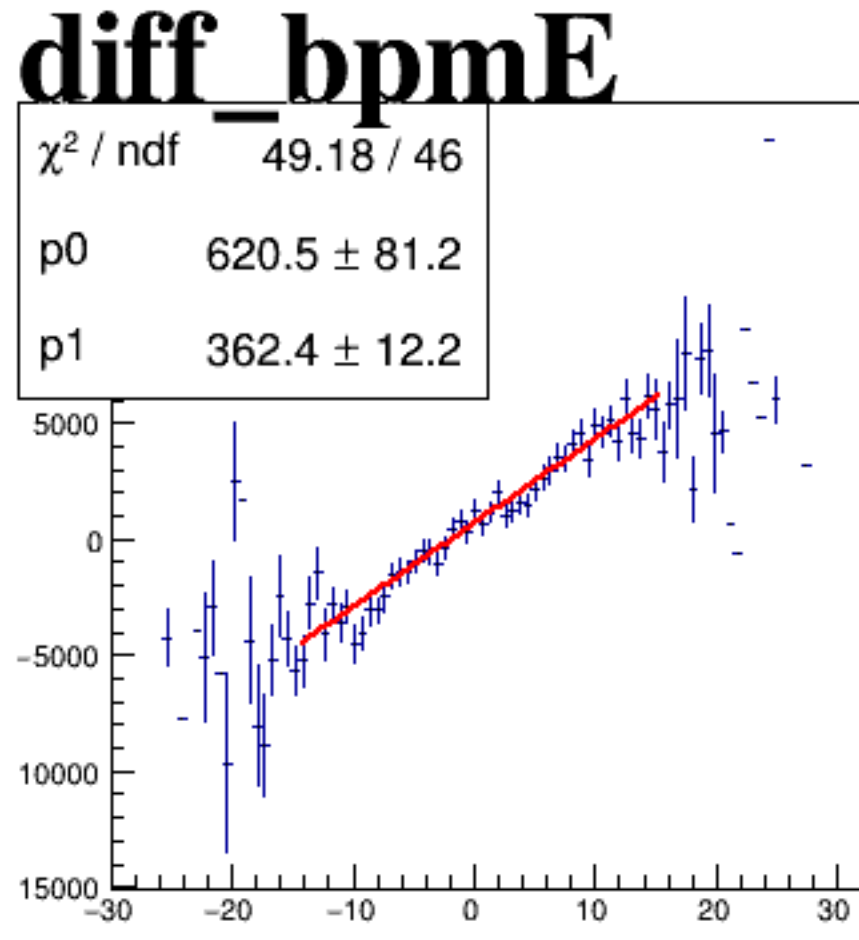
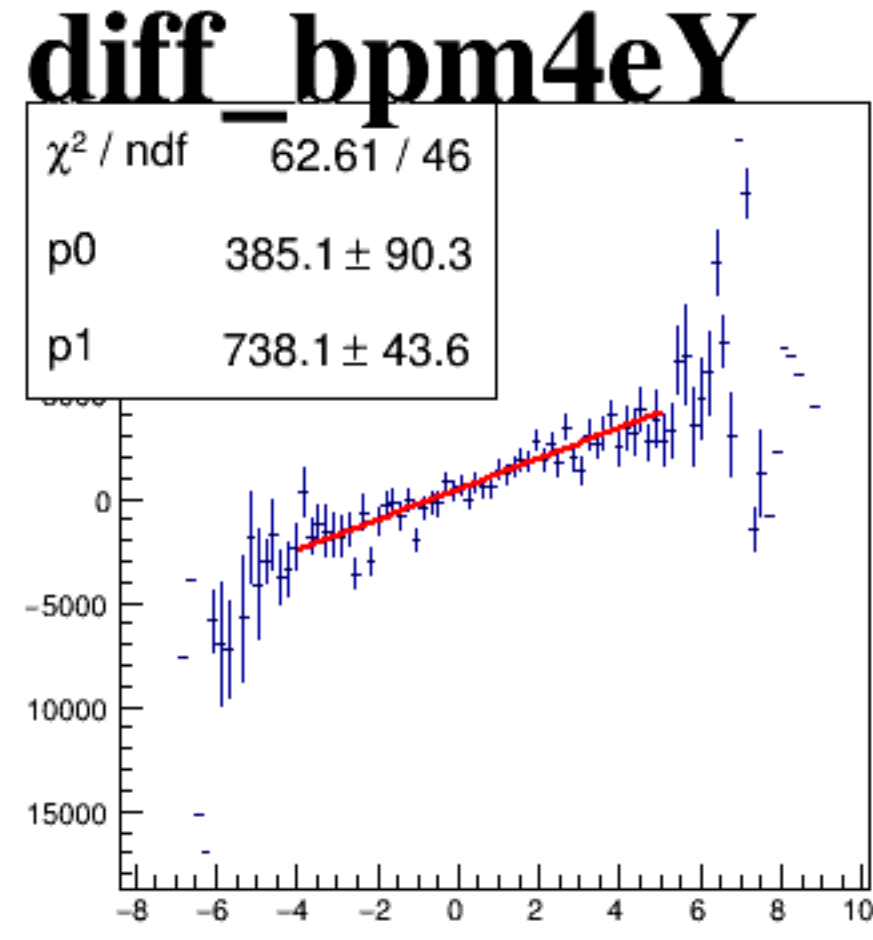
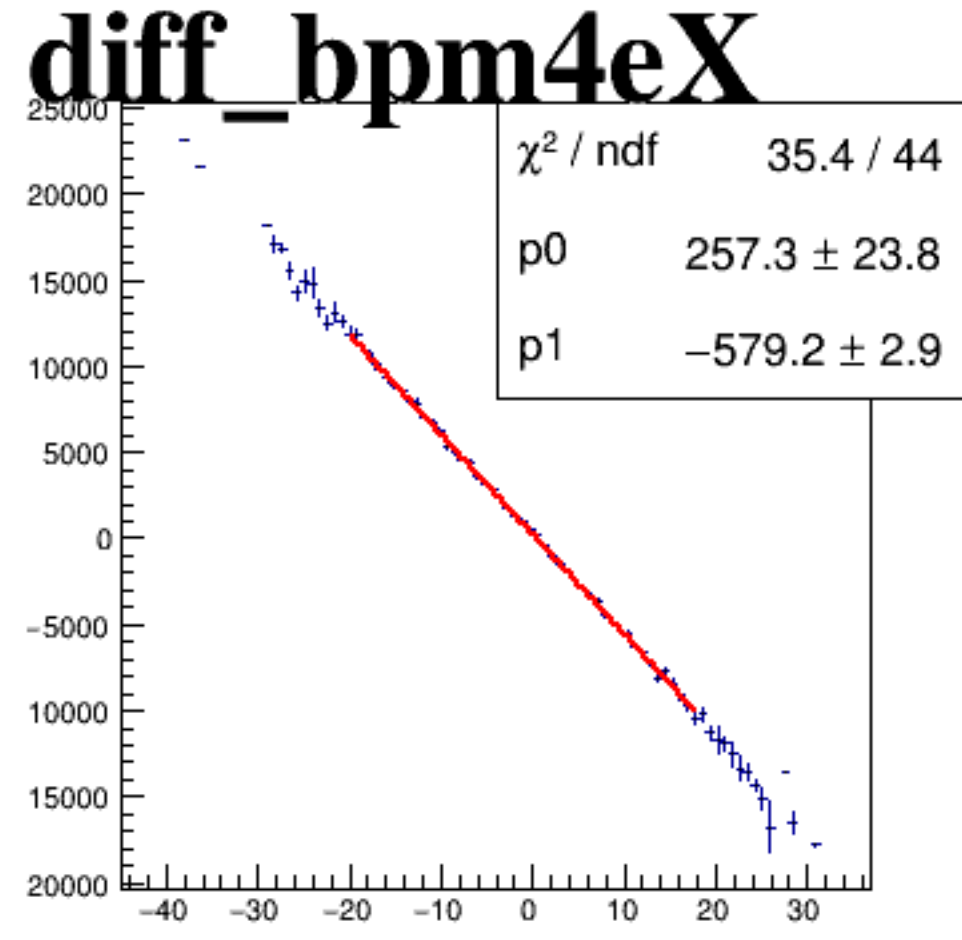
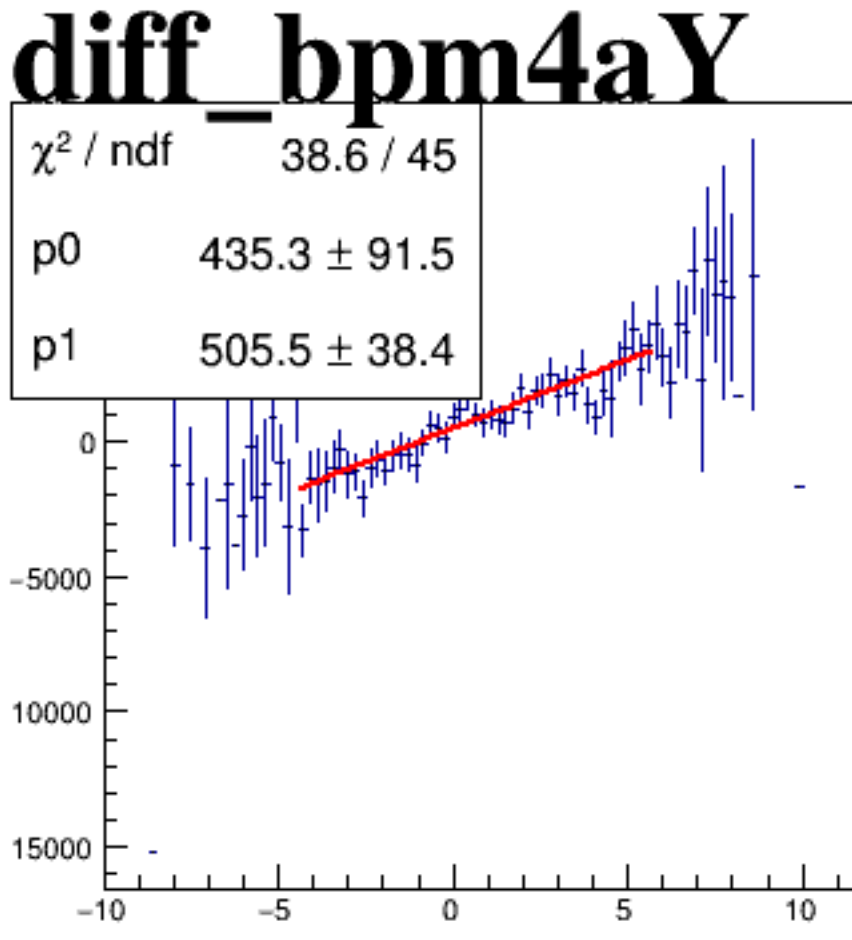
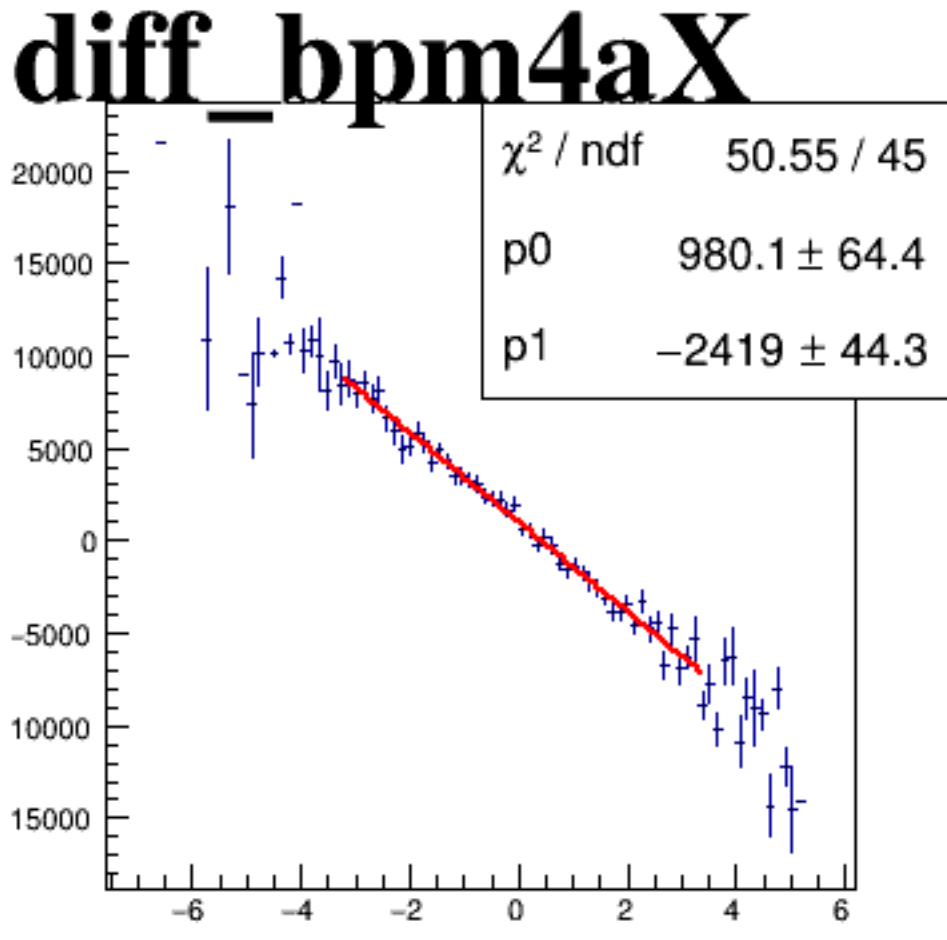
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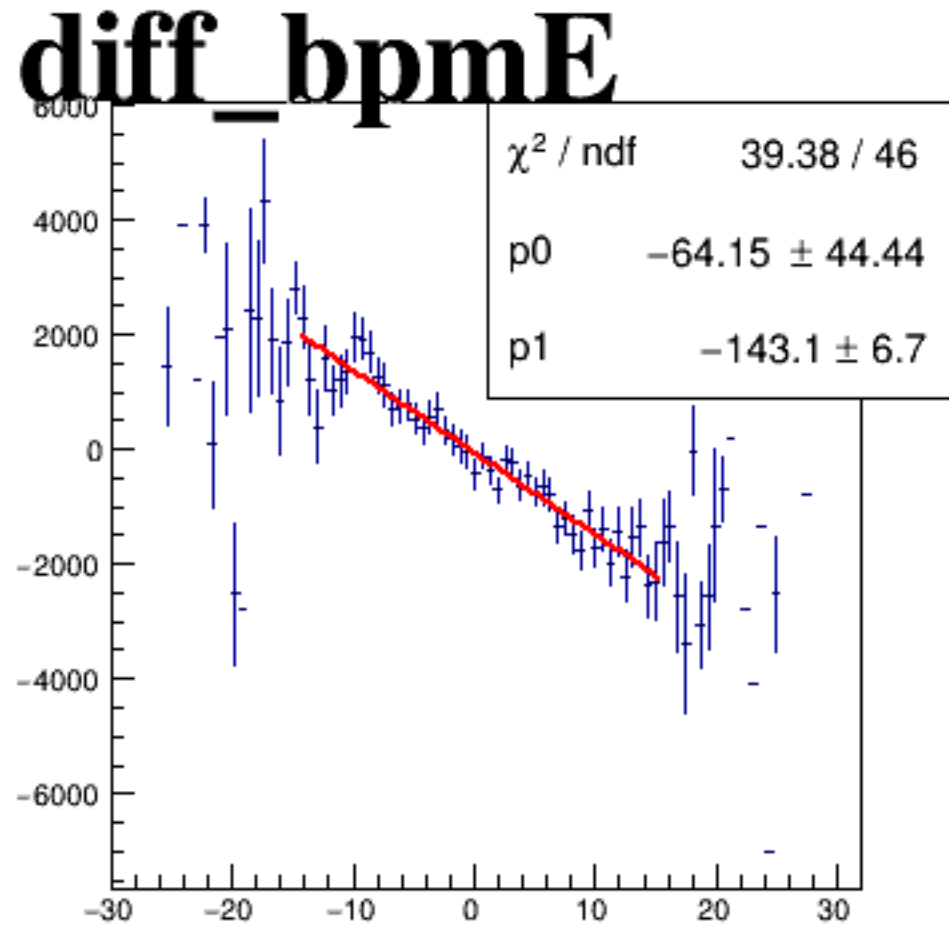
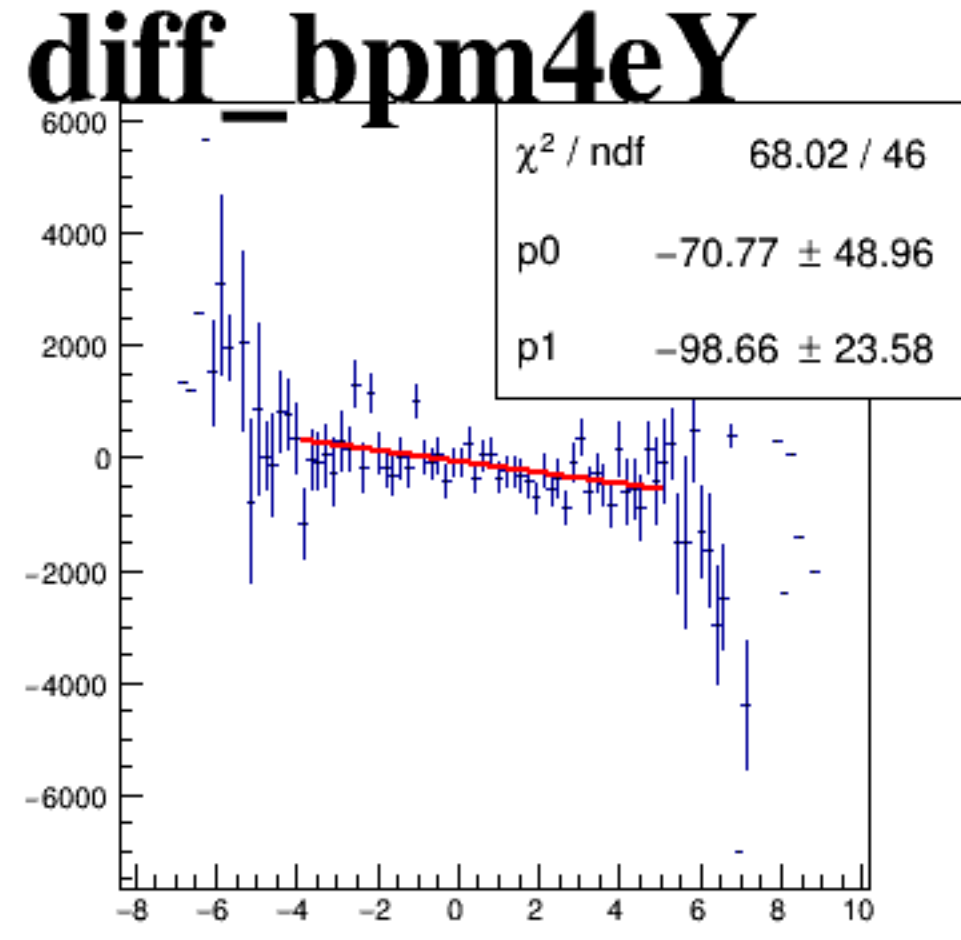
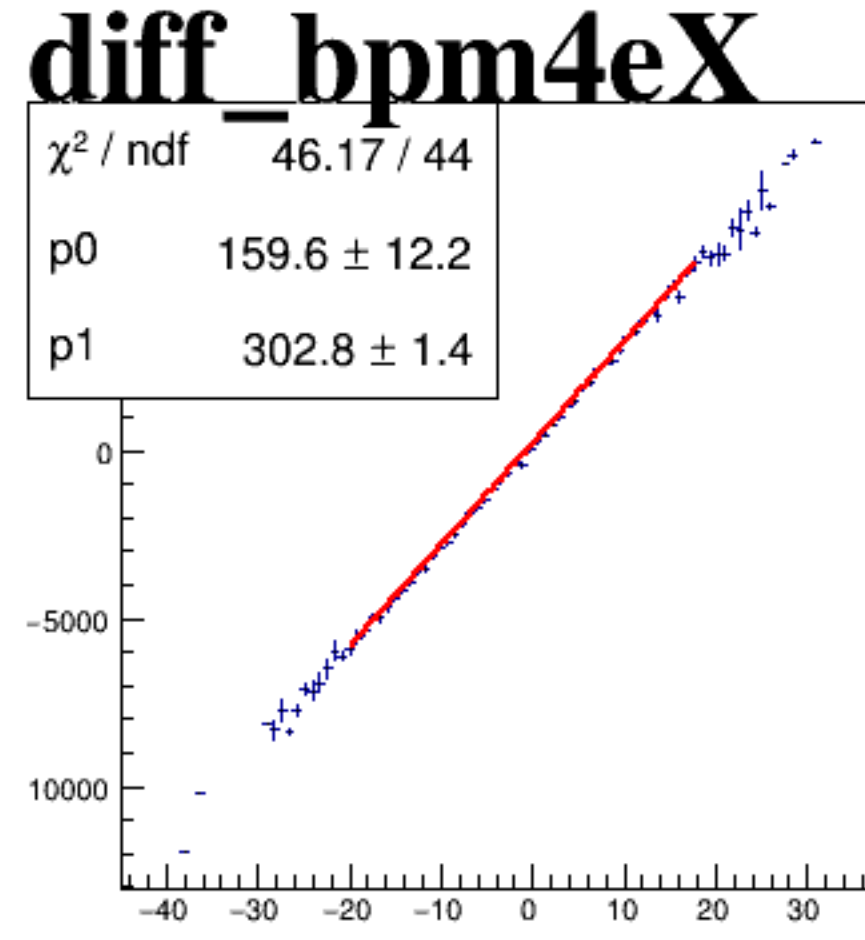
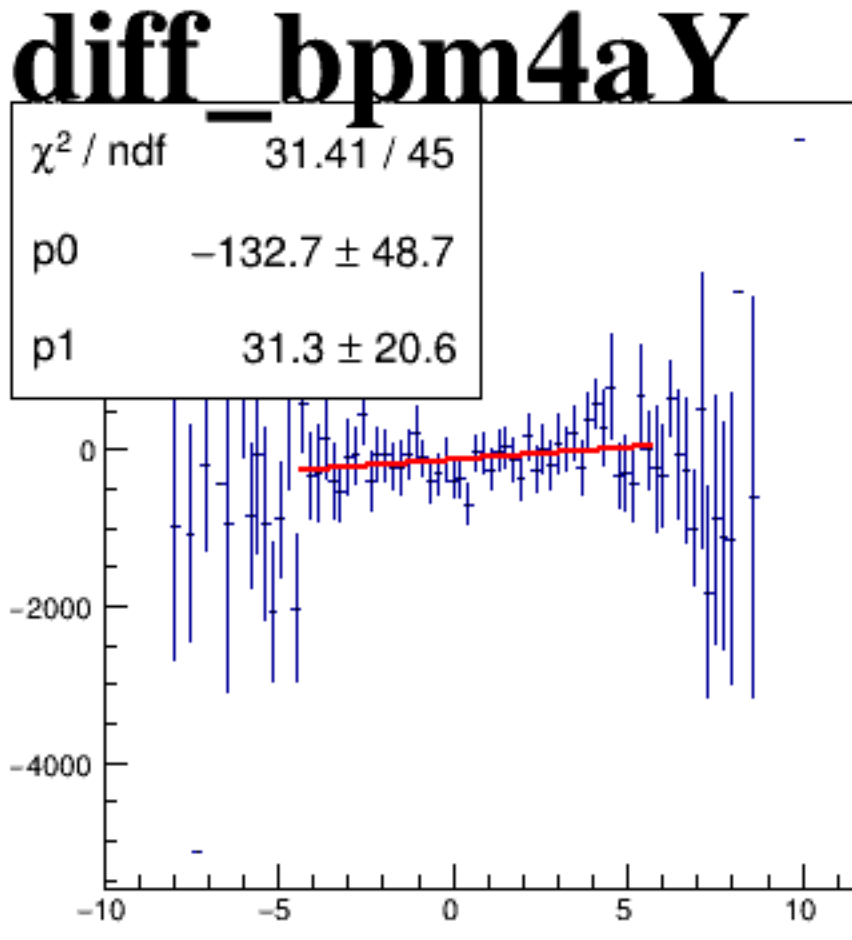
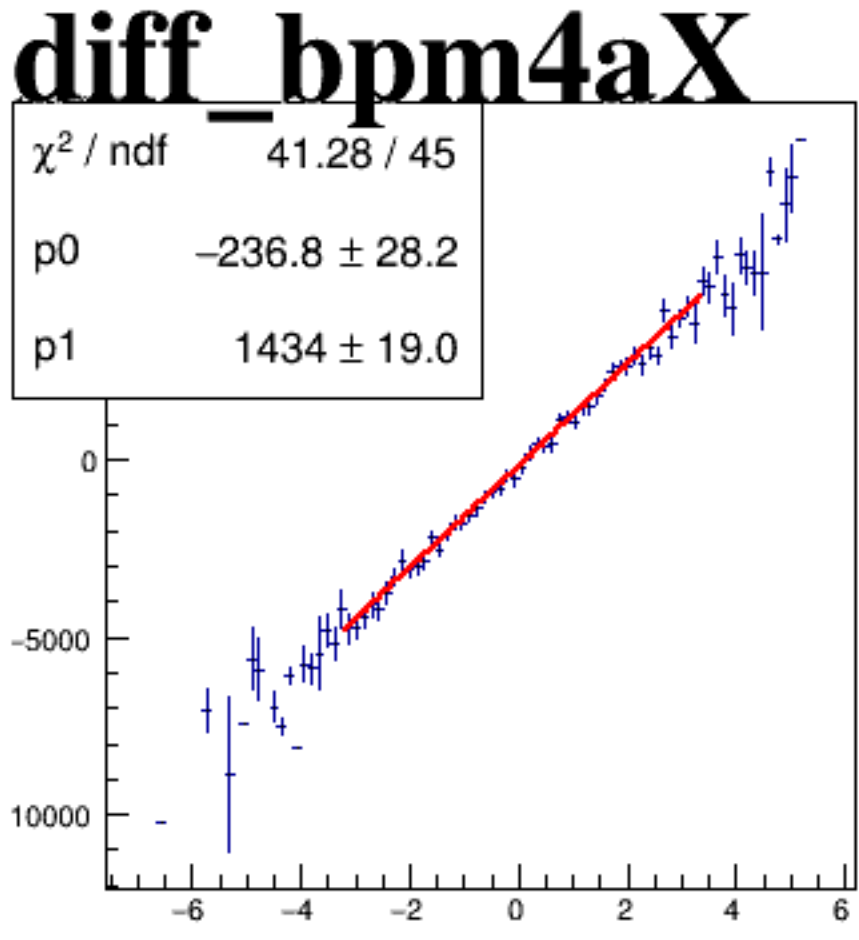
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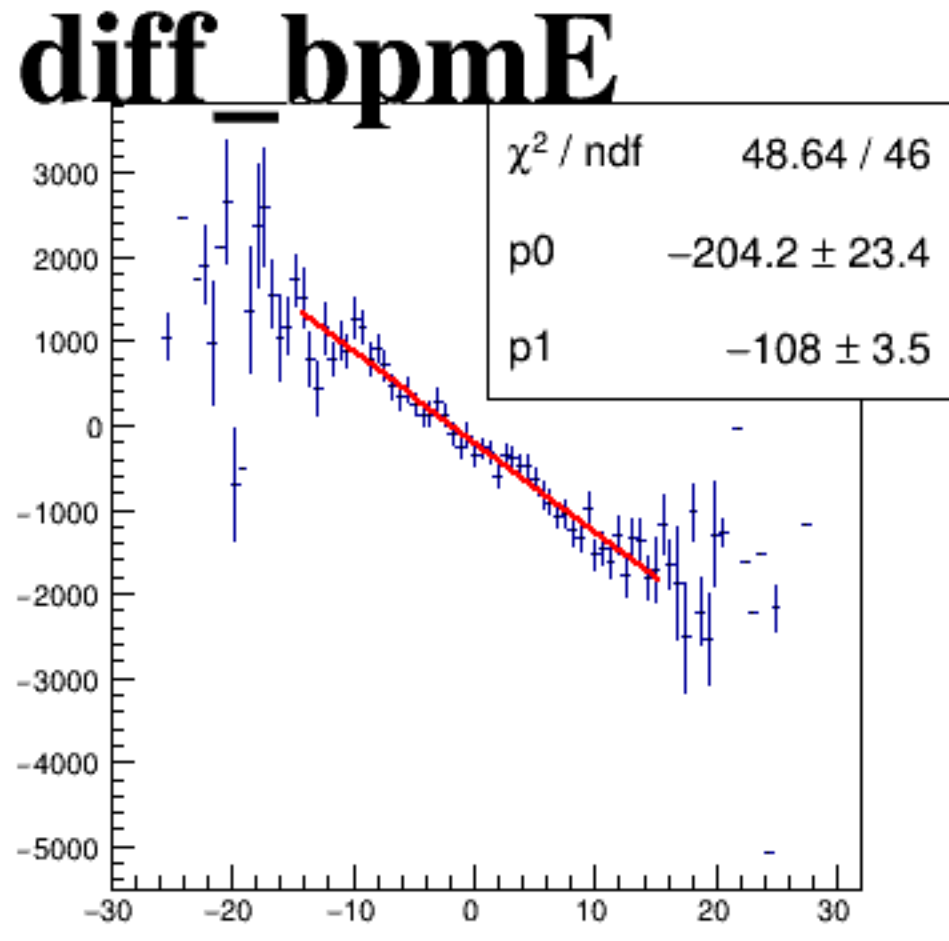
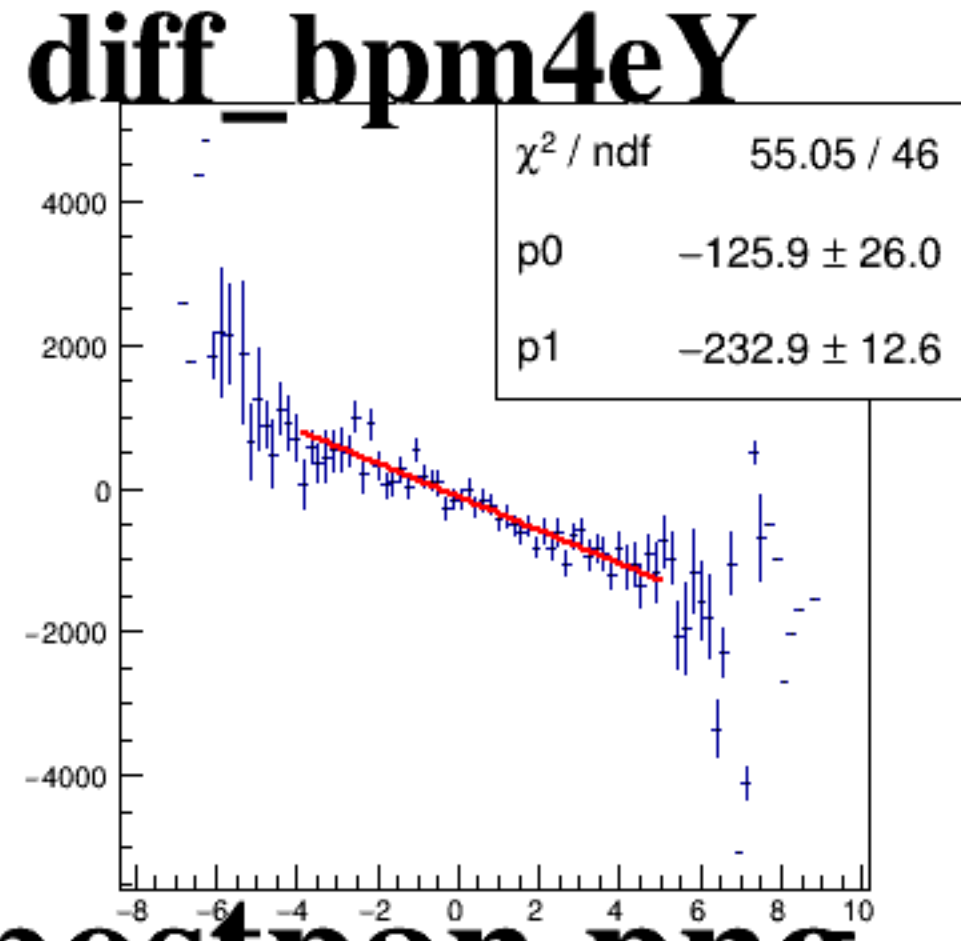
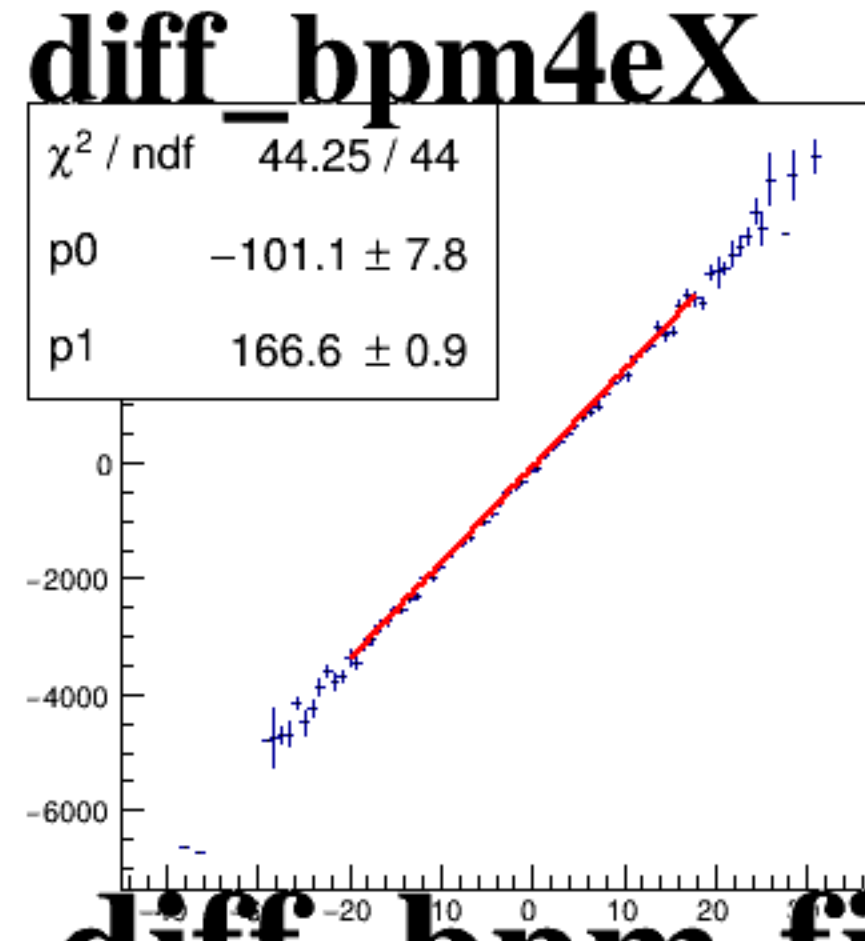
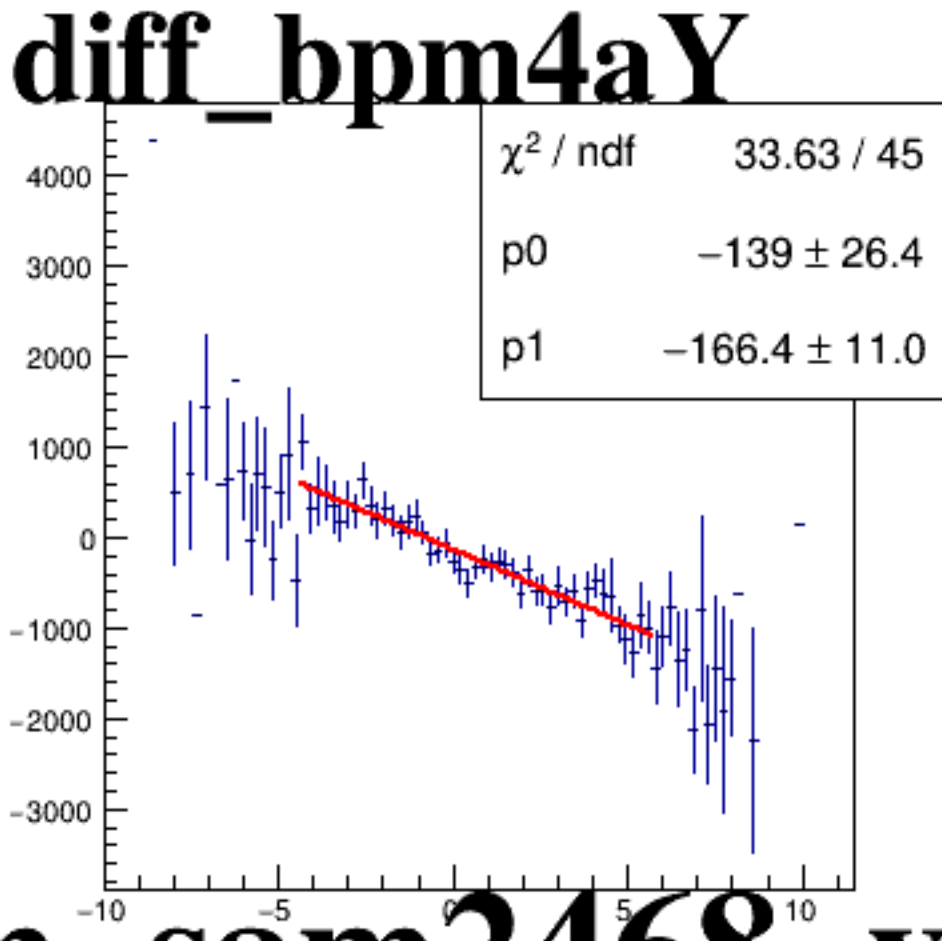
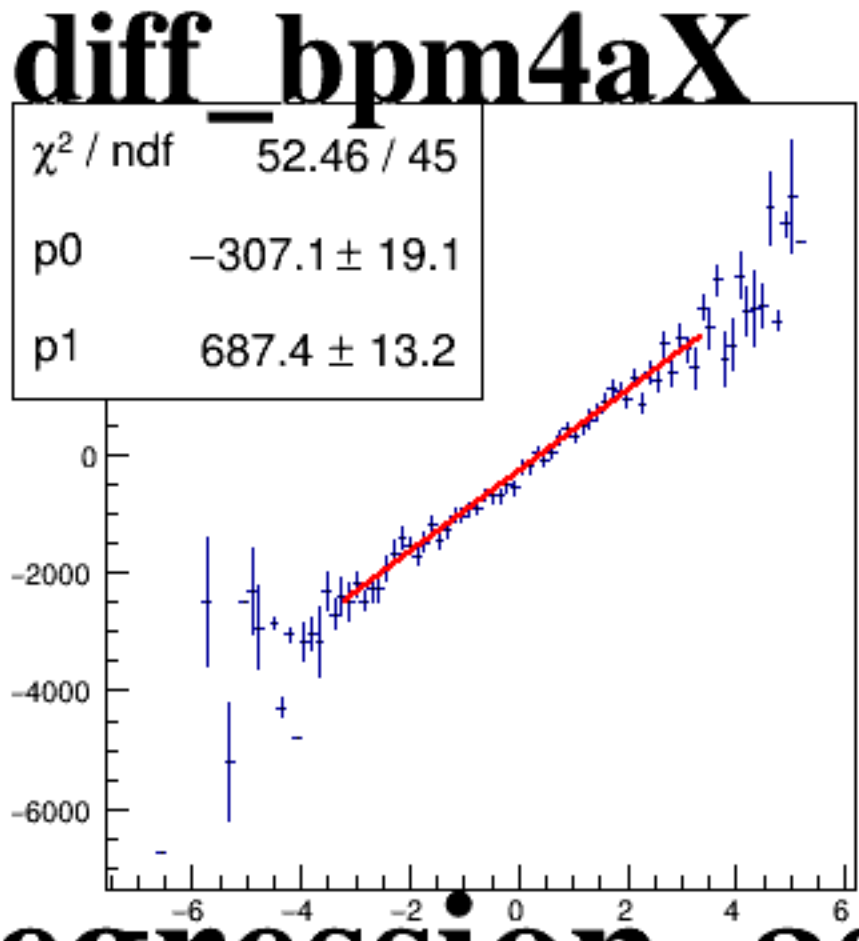
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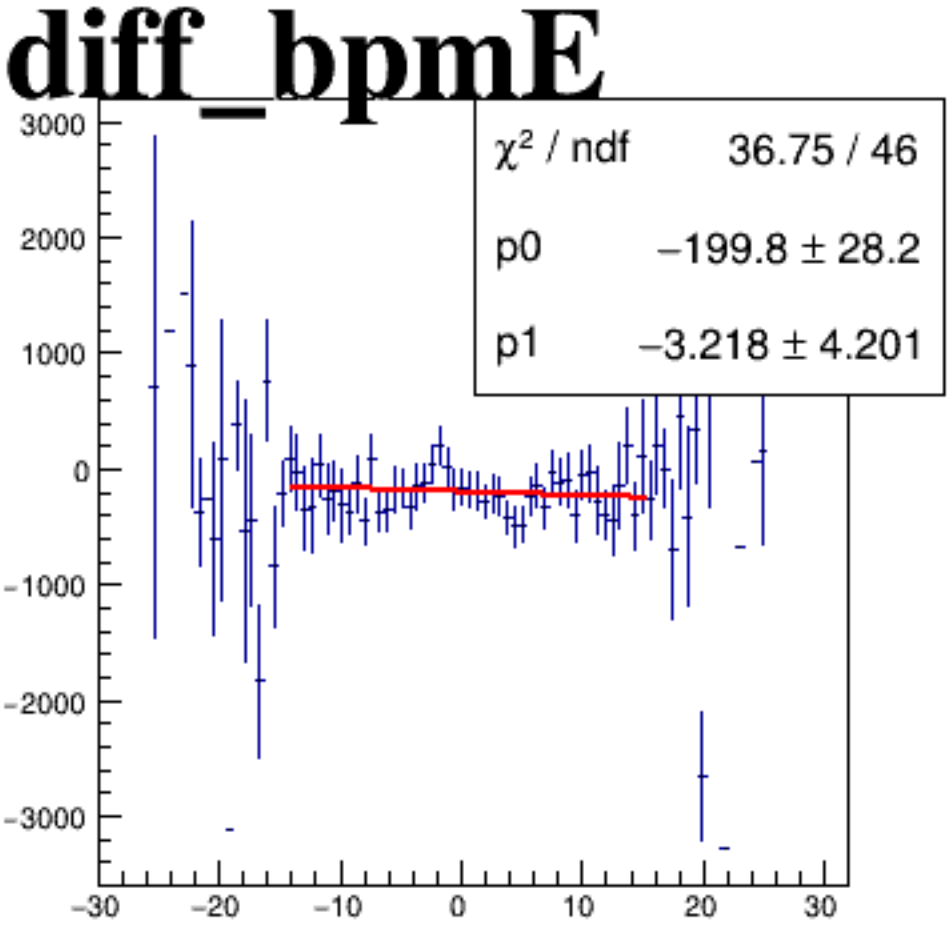
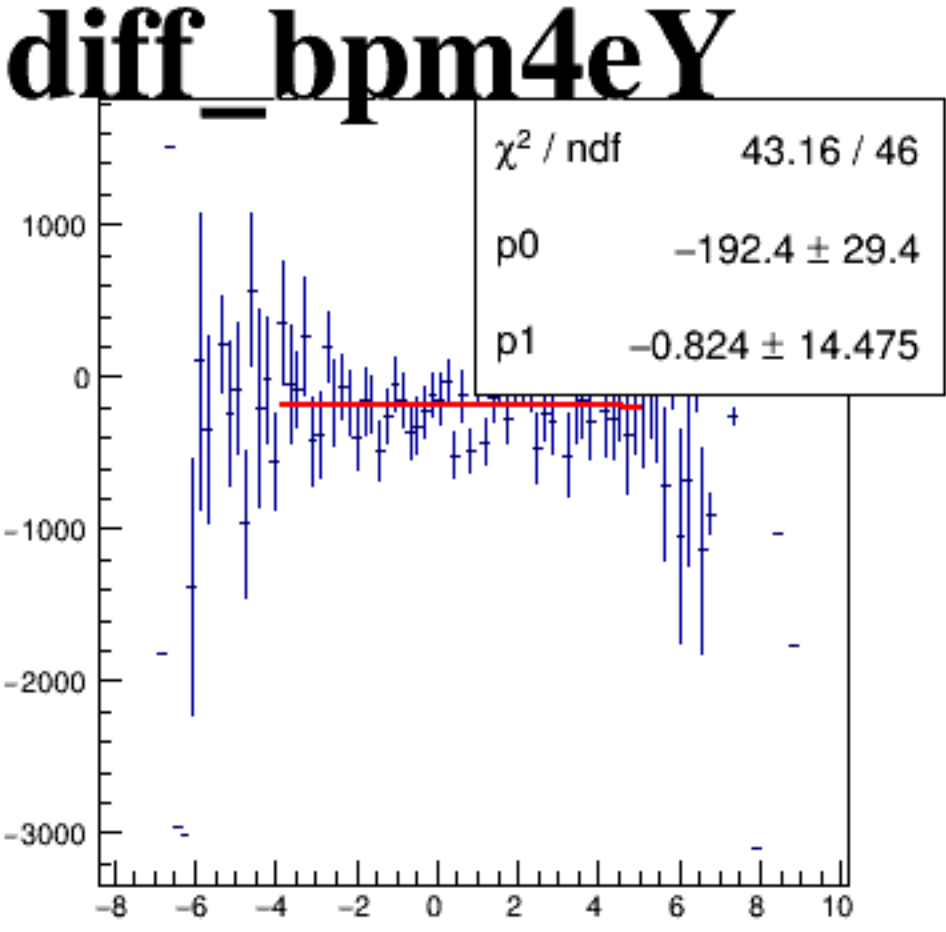
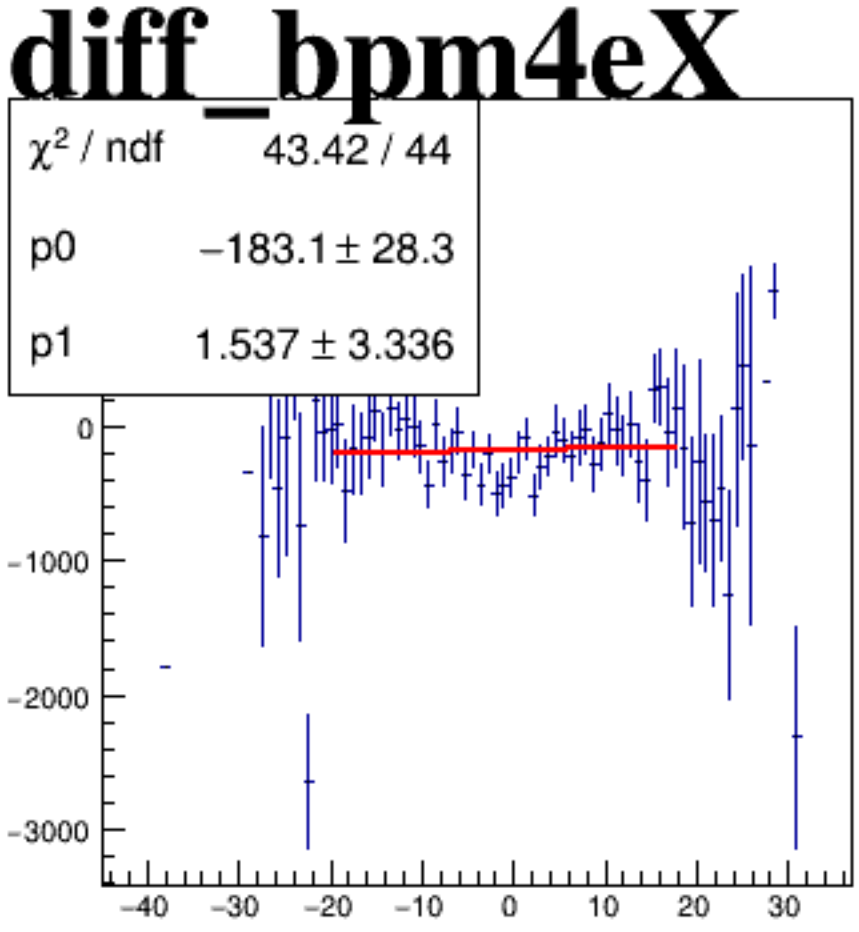
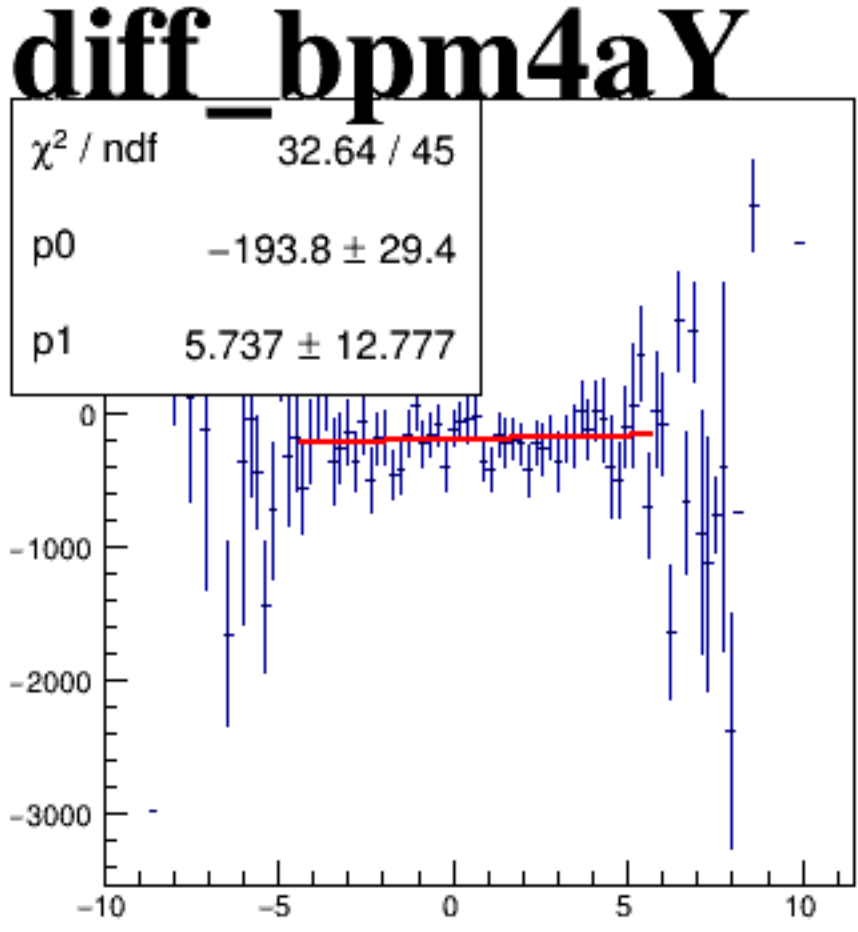
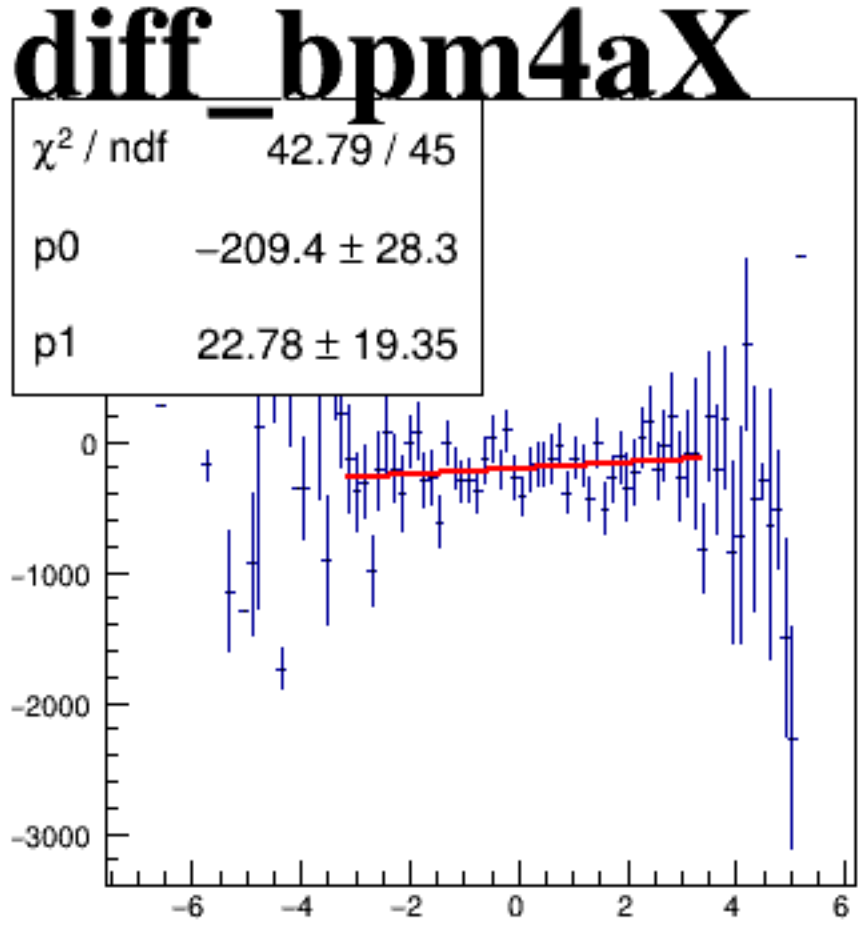
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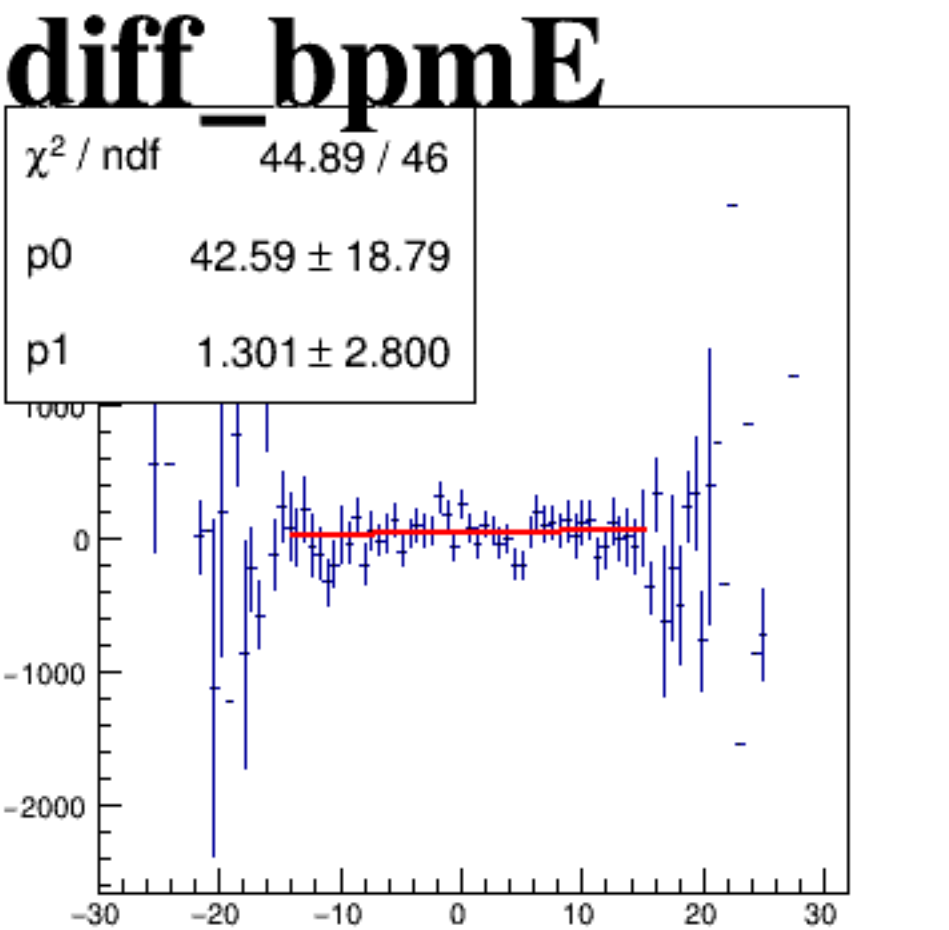
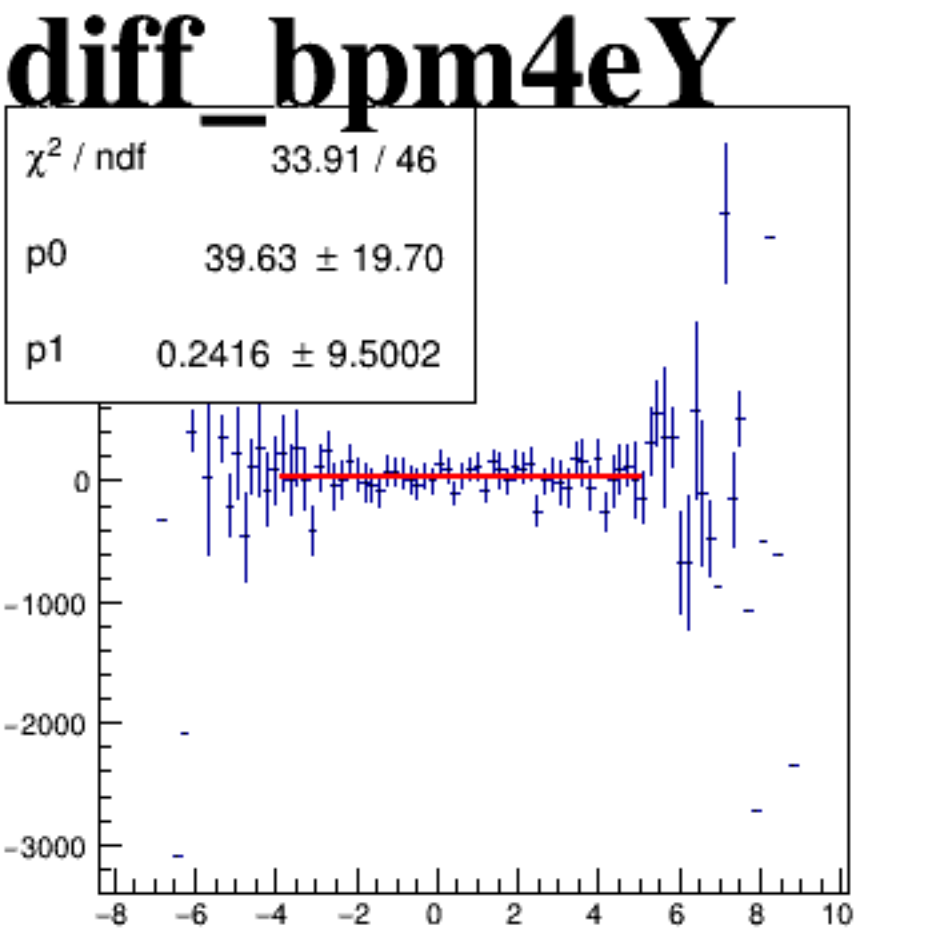
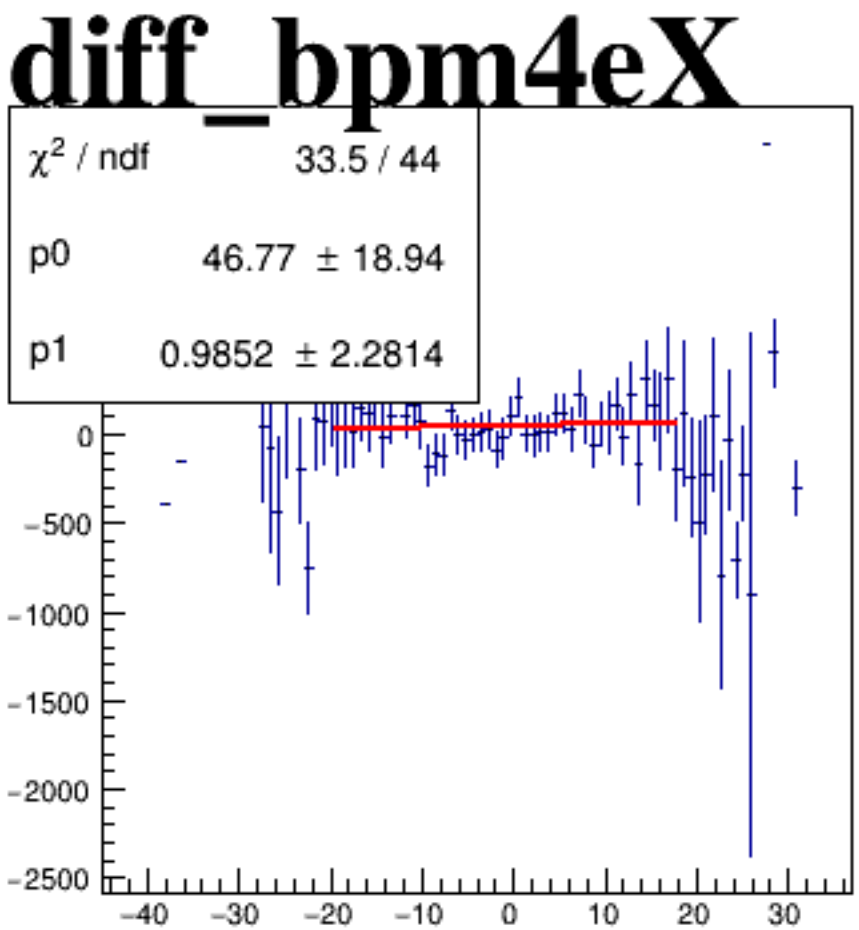
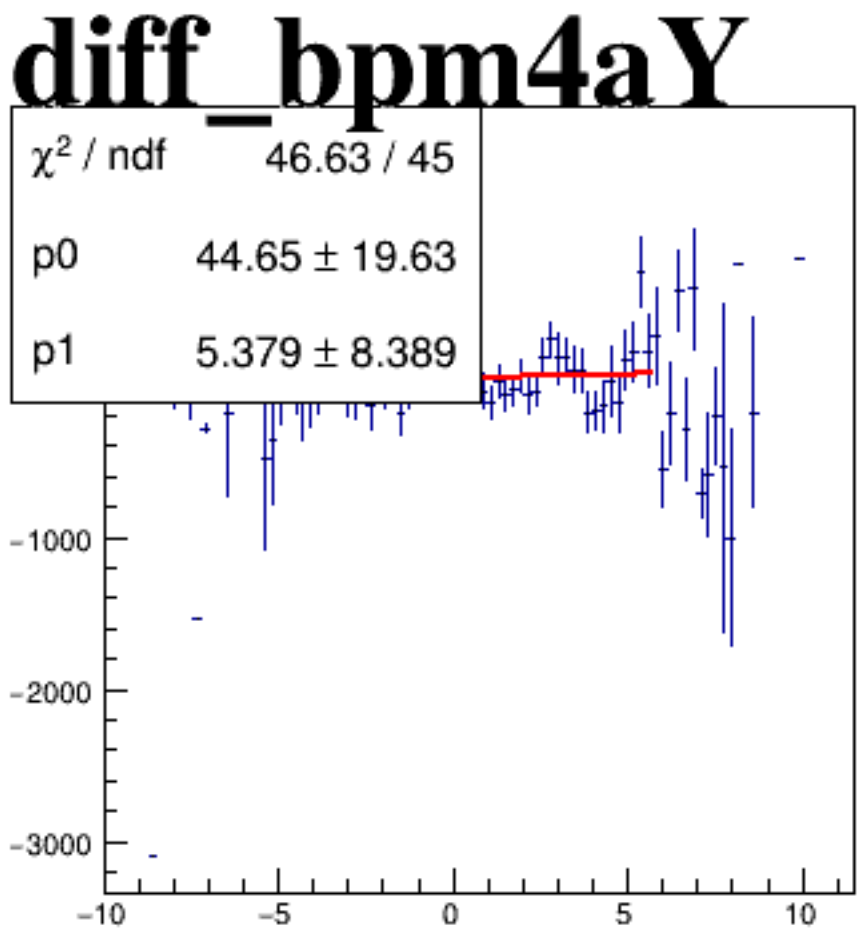
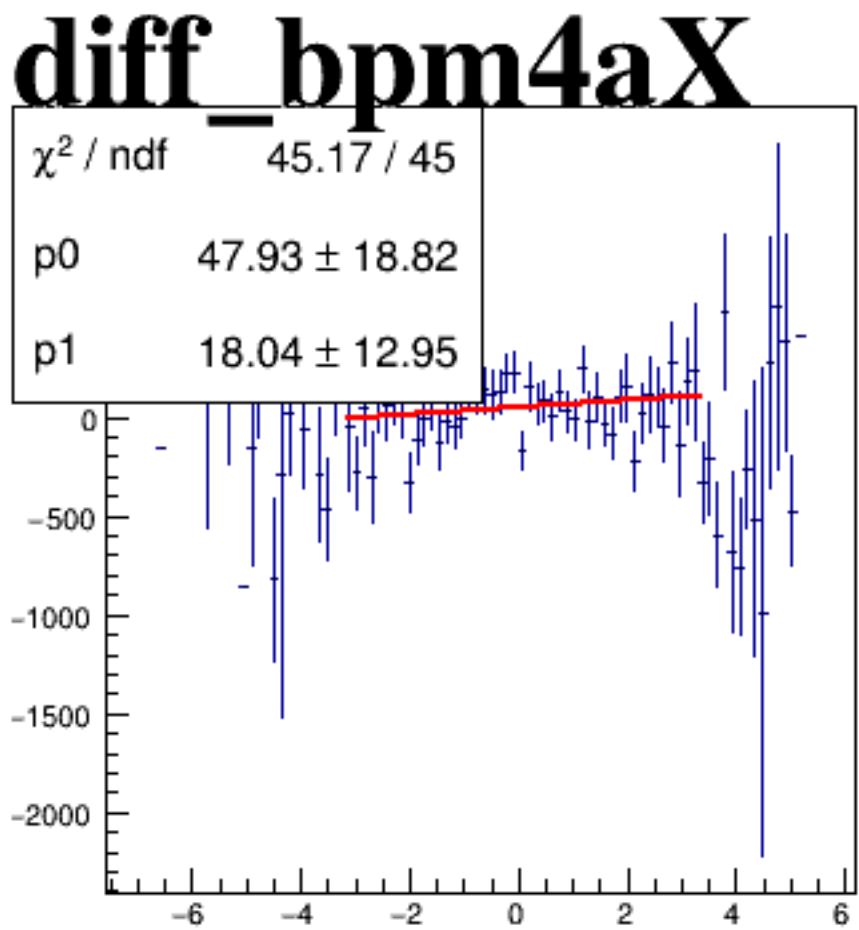
asym_sam8



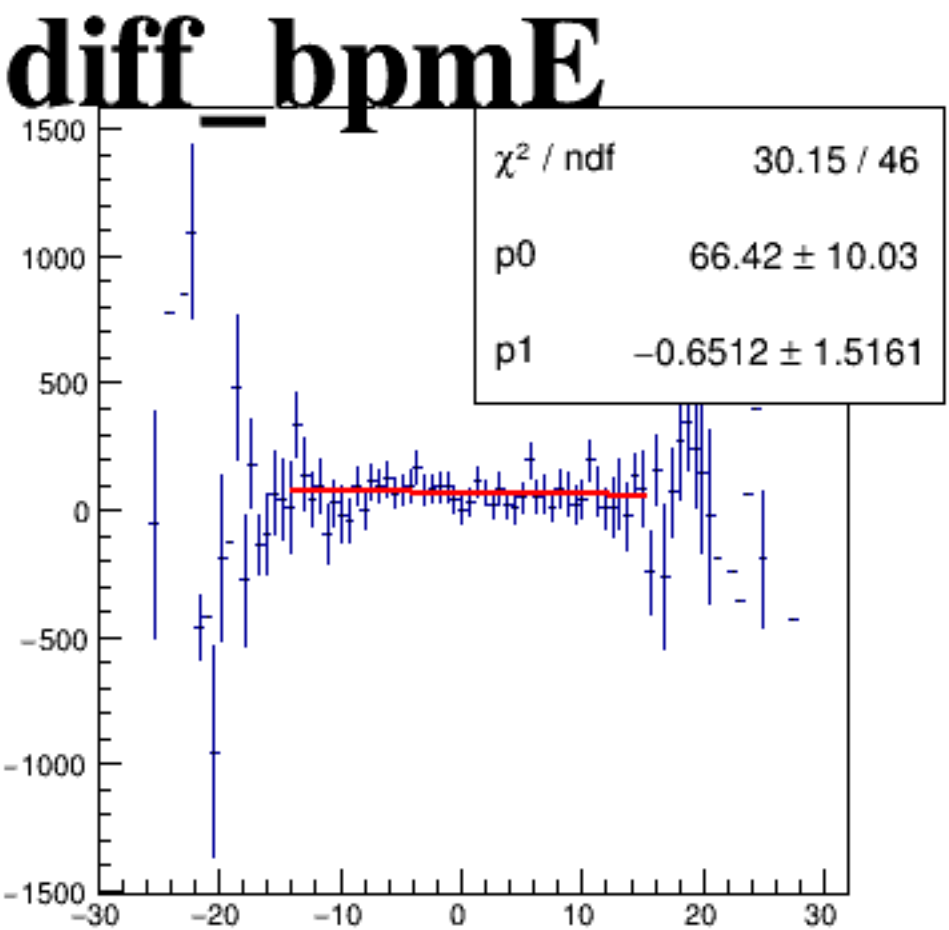
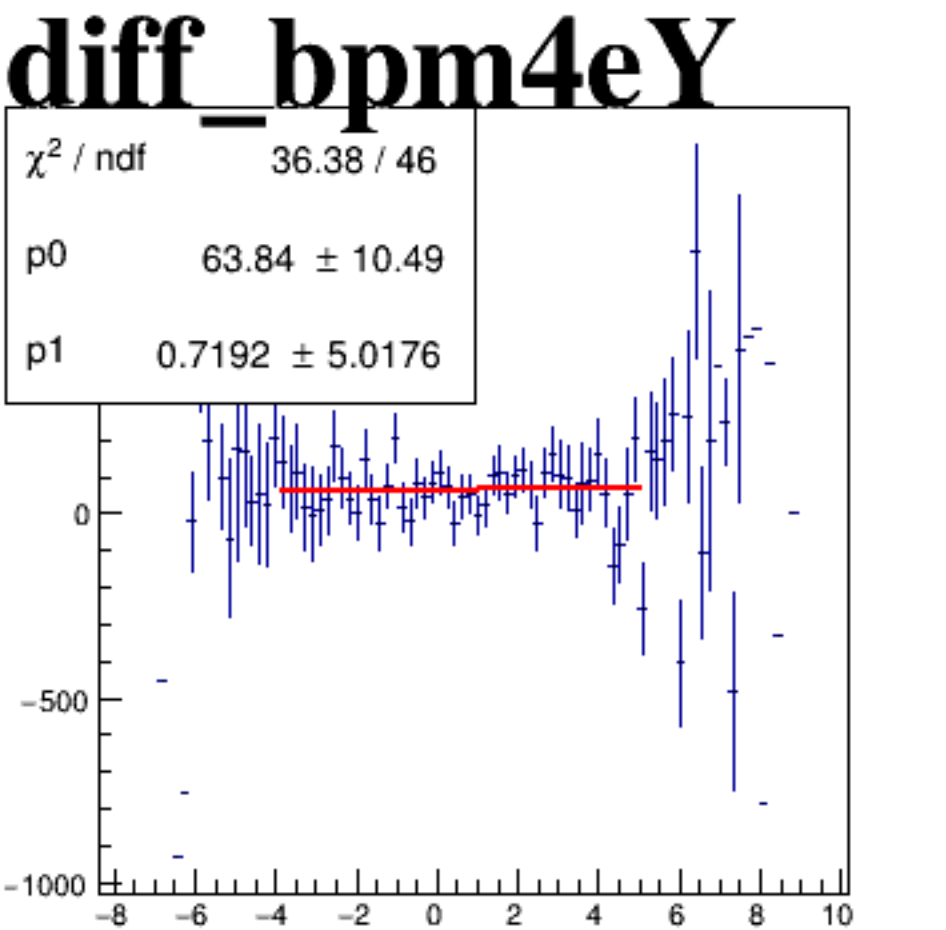
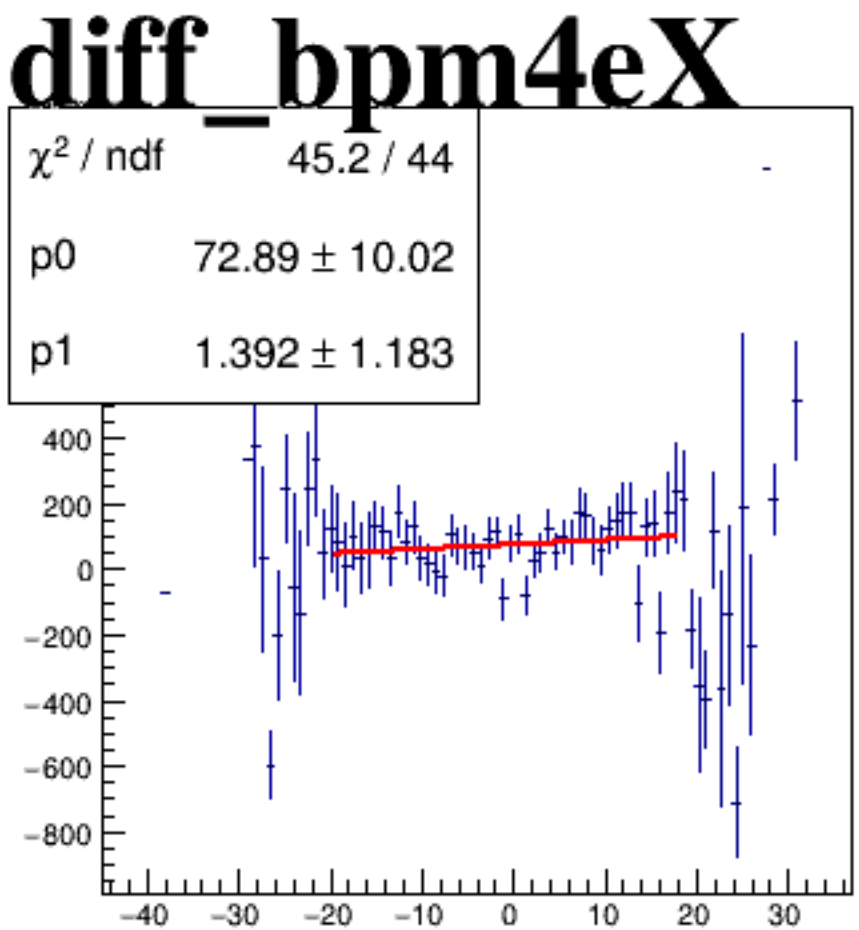
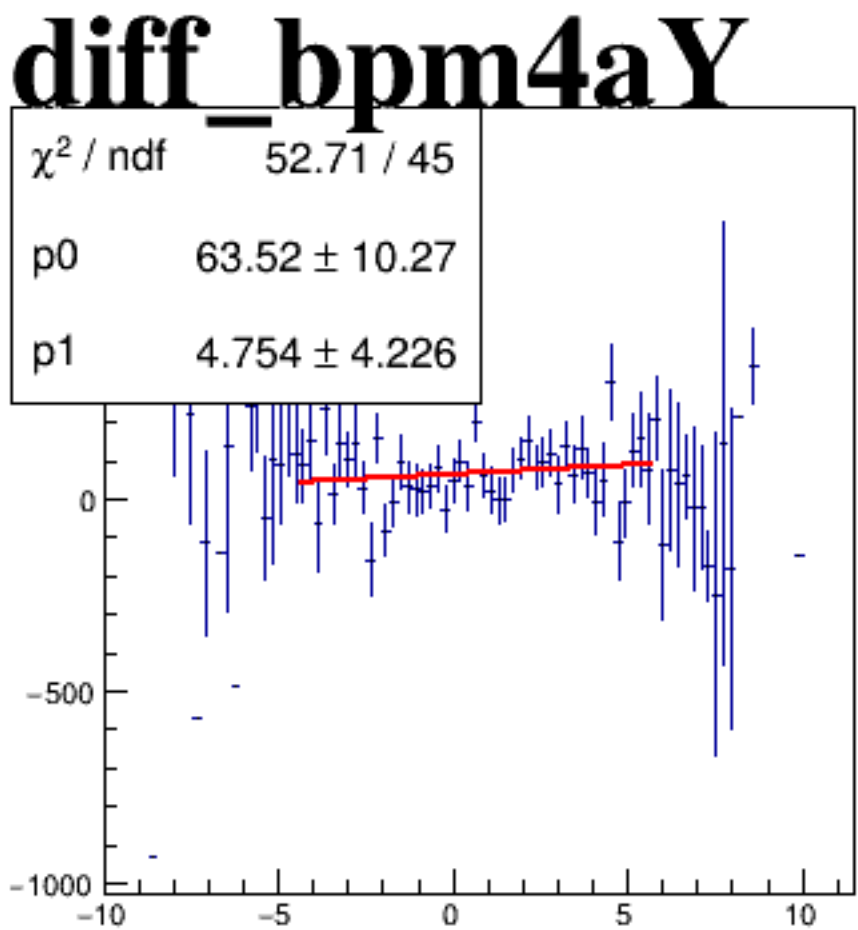
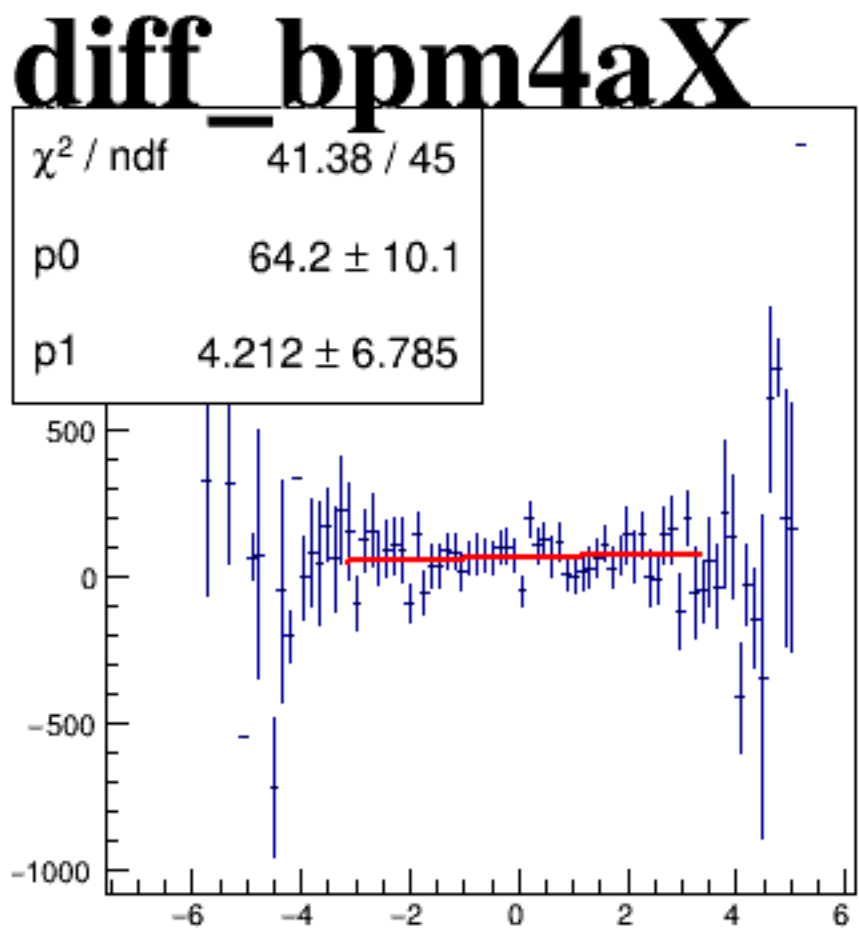
reg_asym_sam2



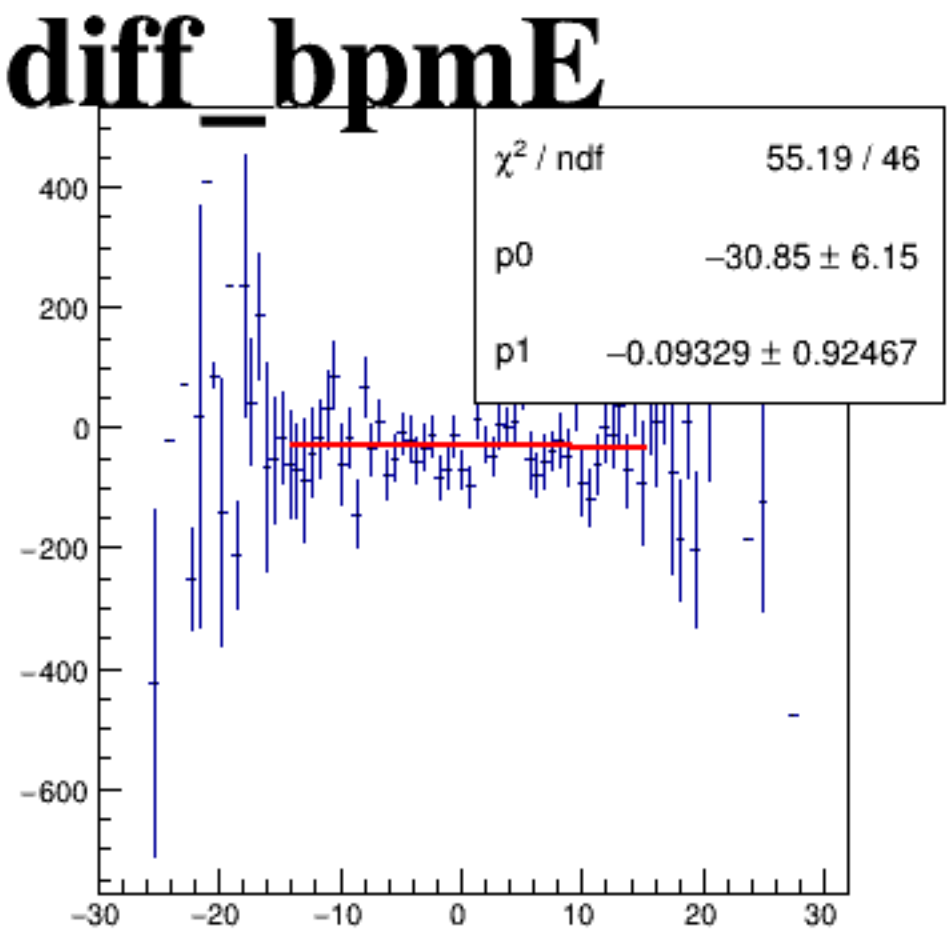
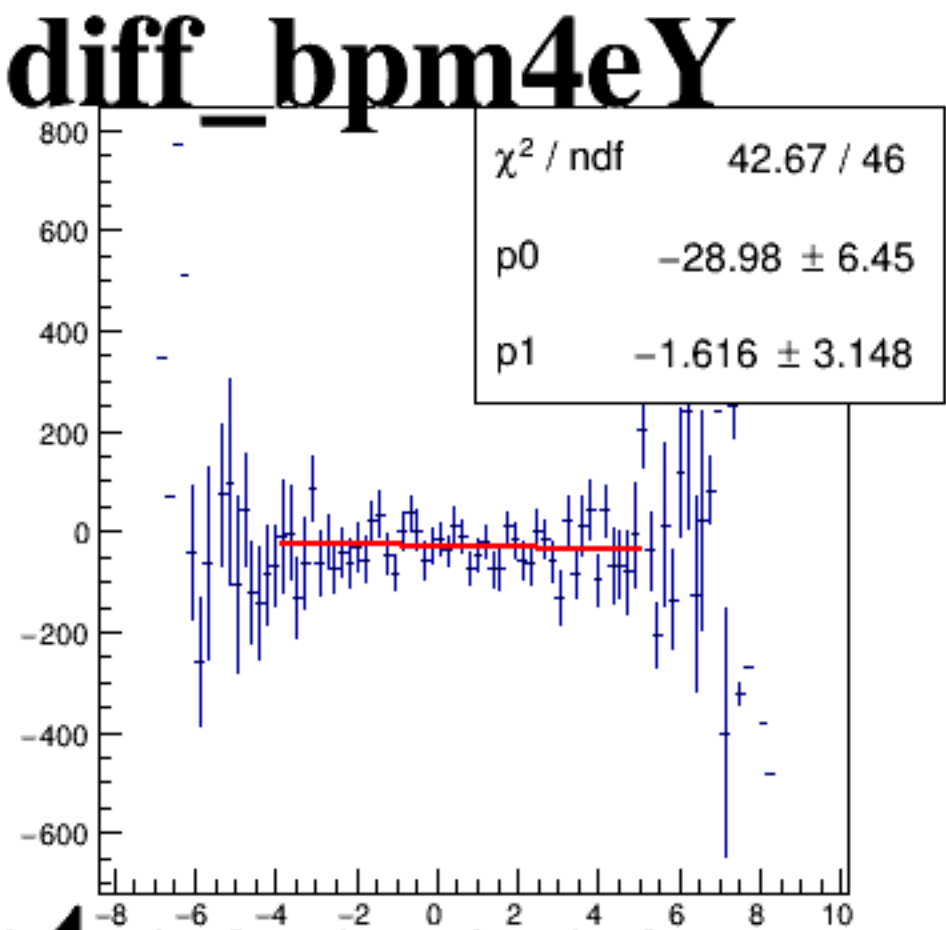
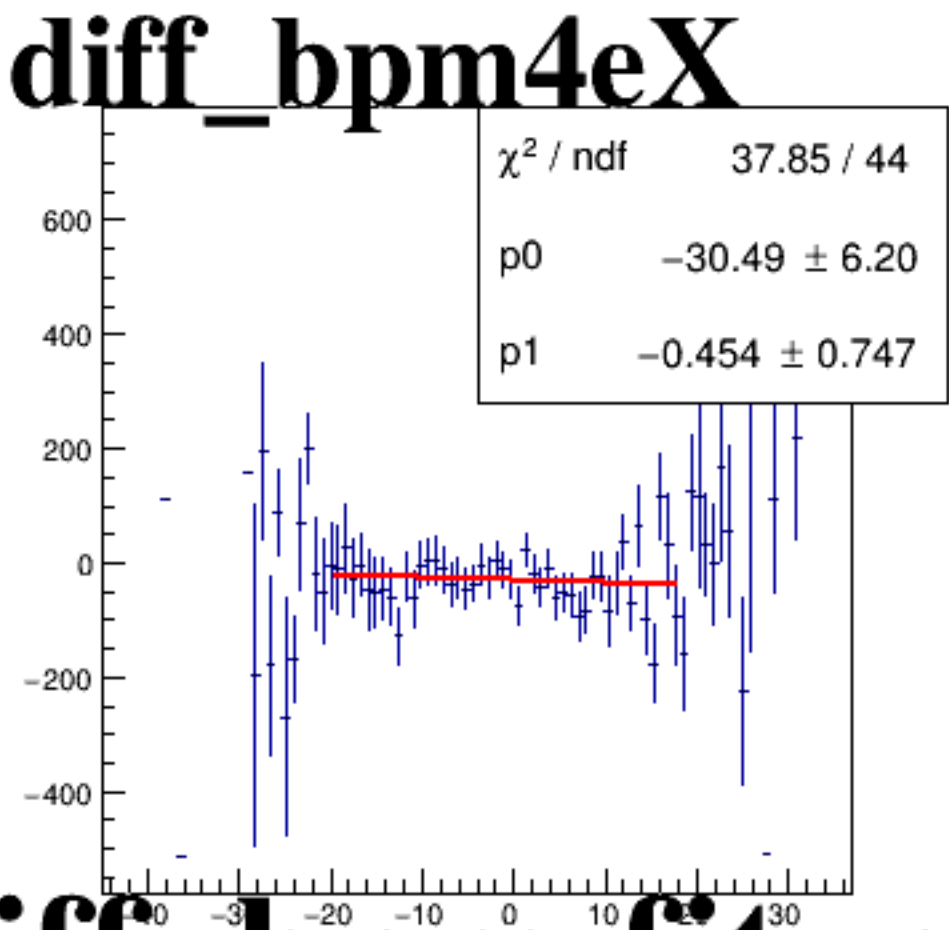
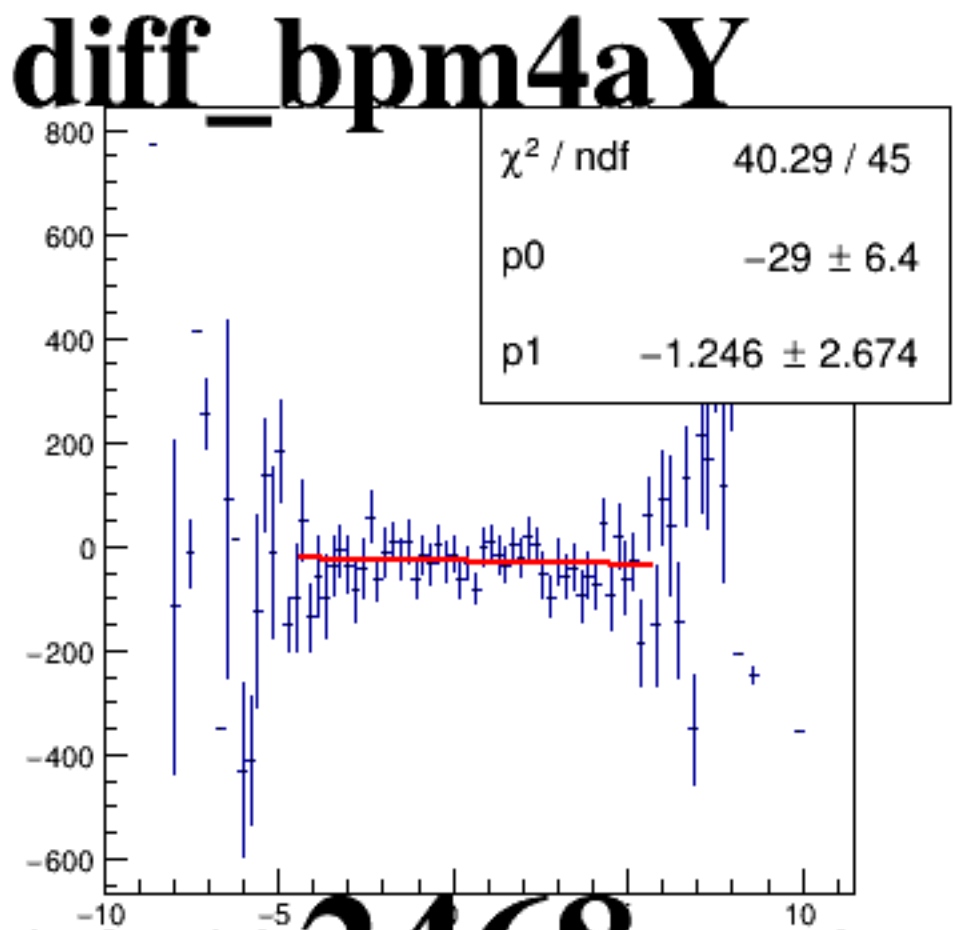
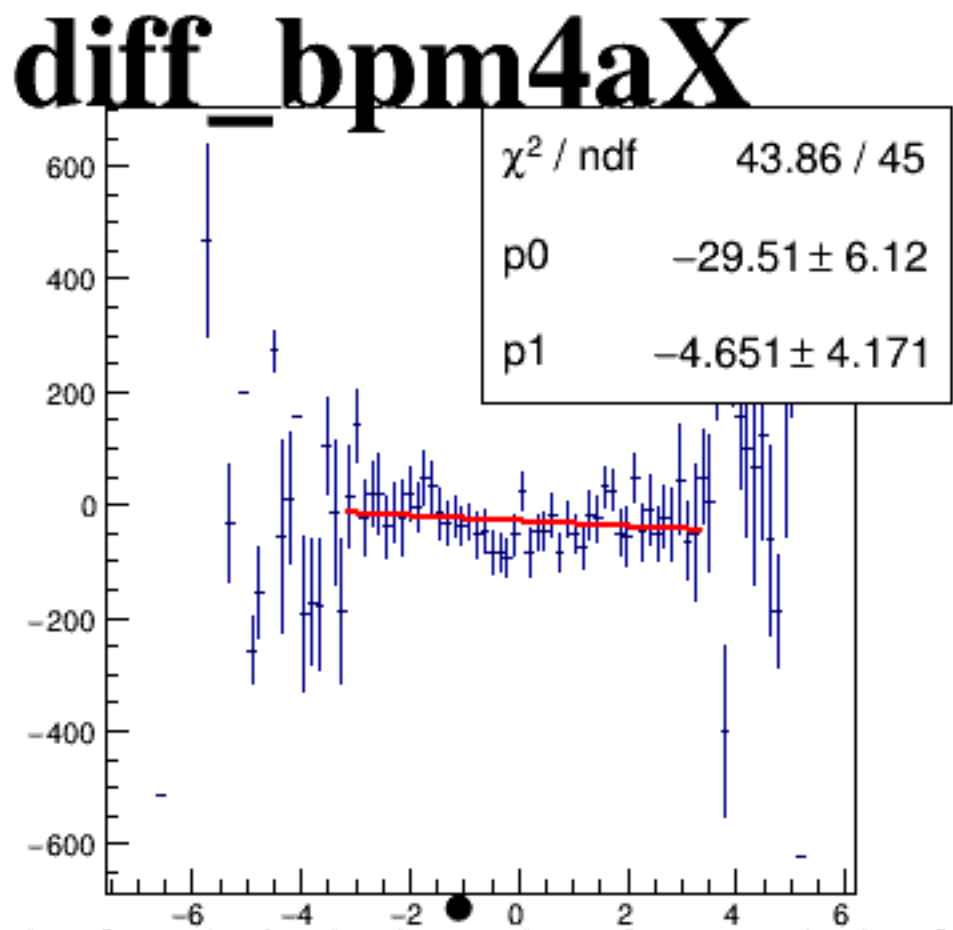
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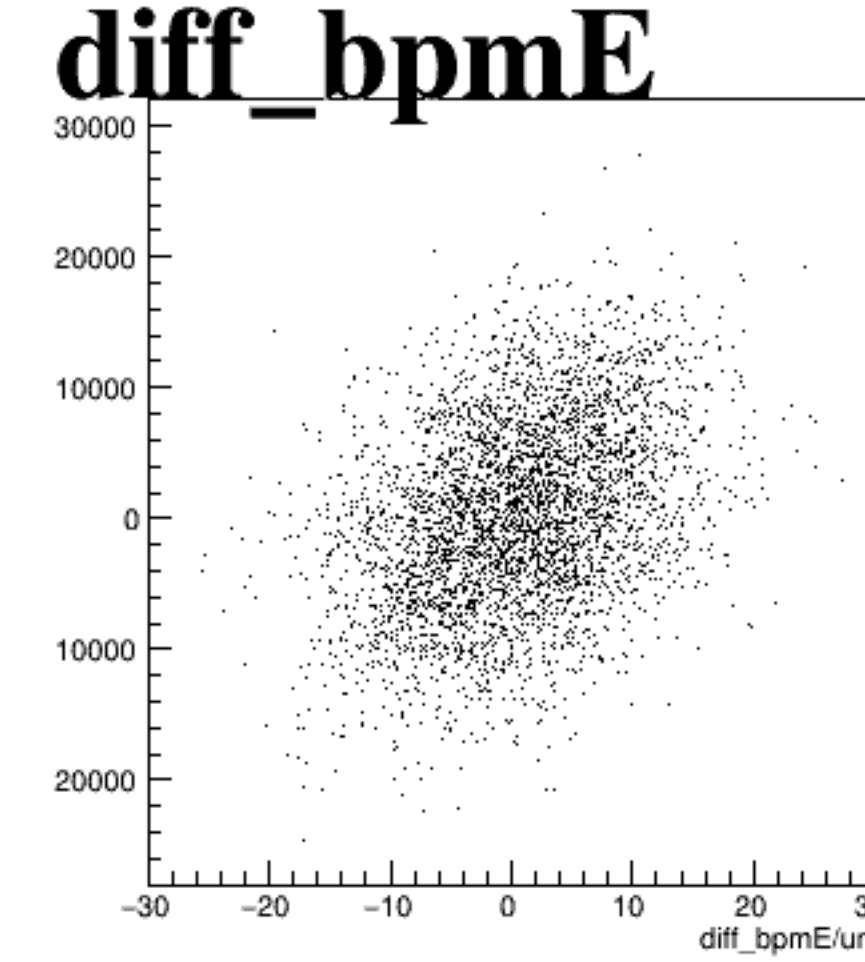
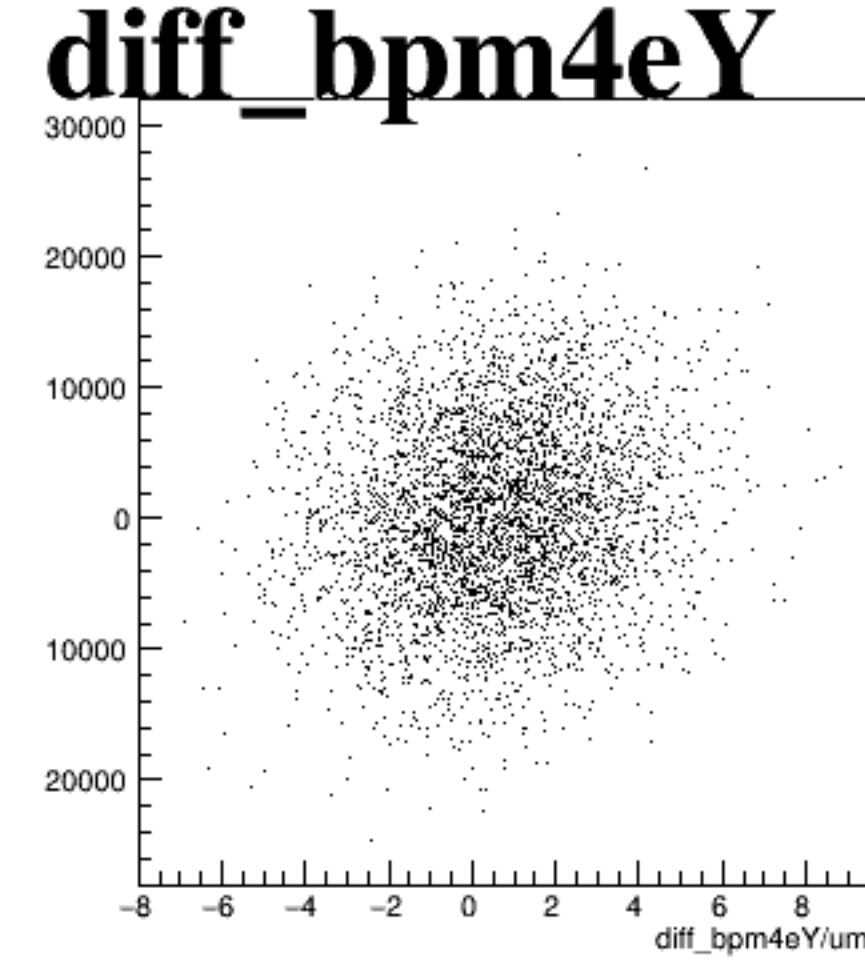
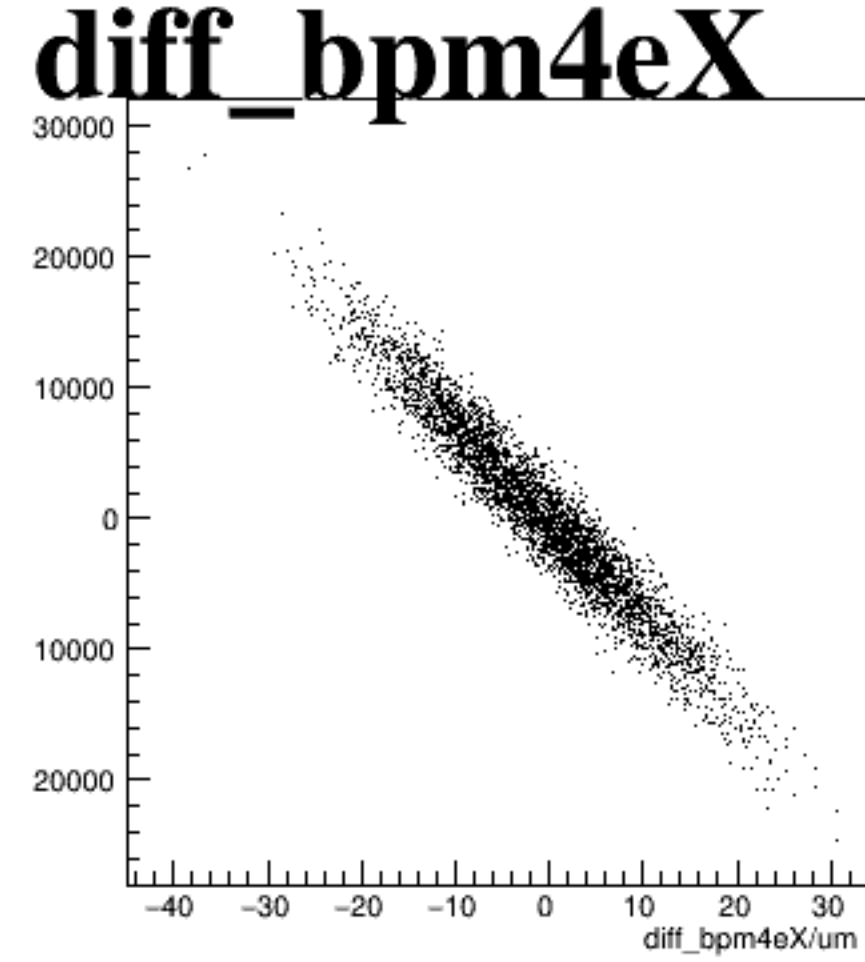
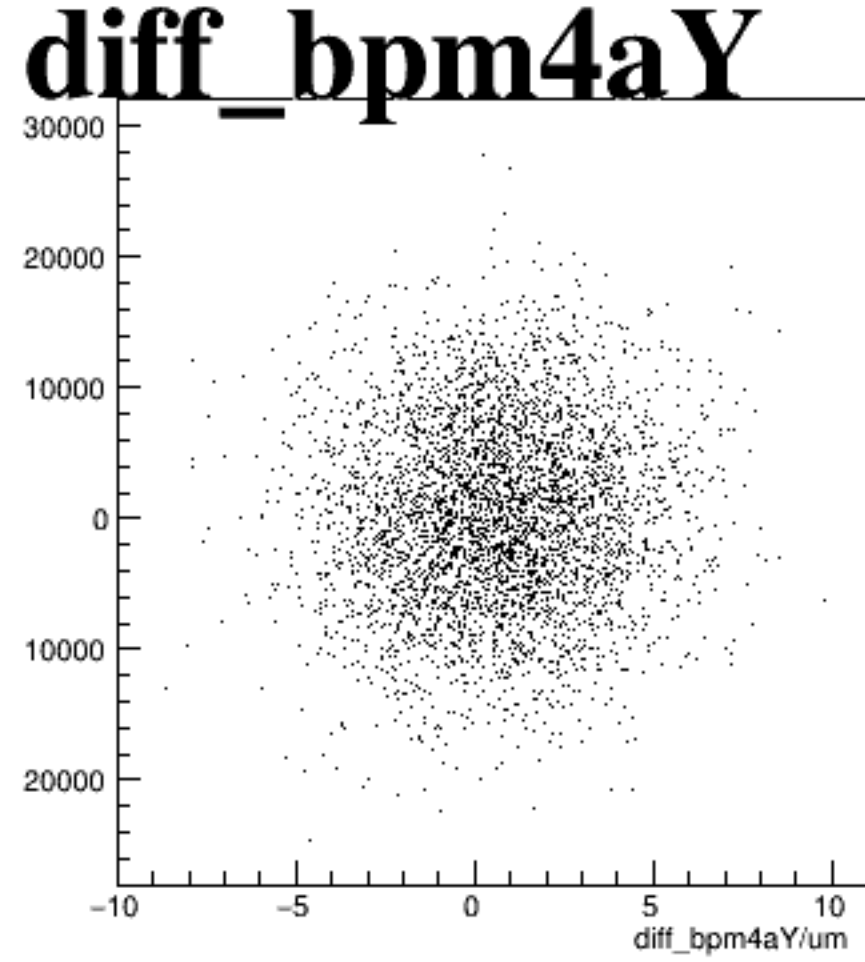
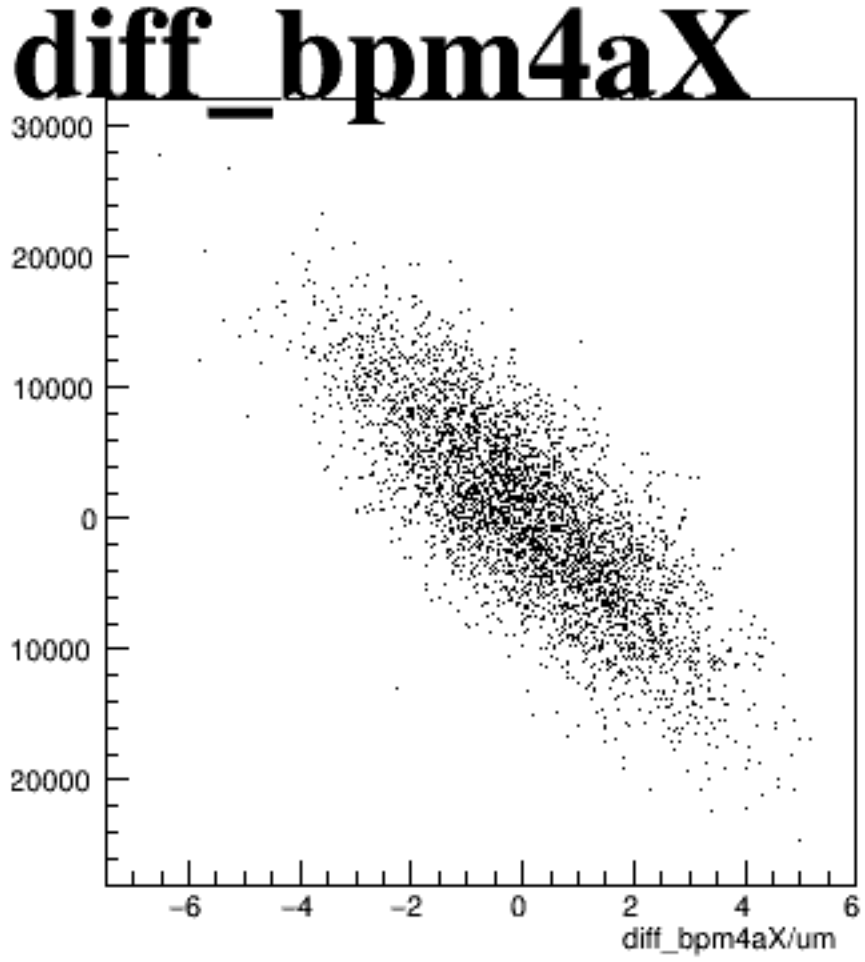
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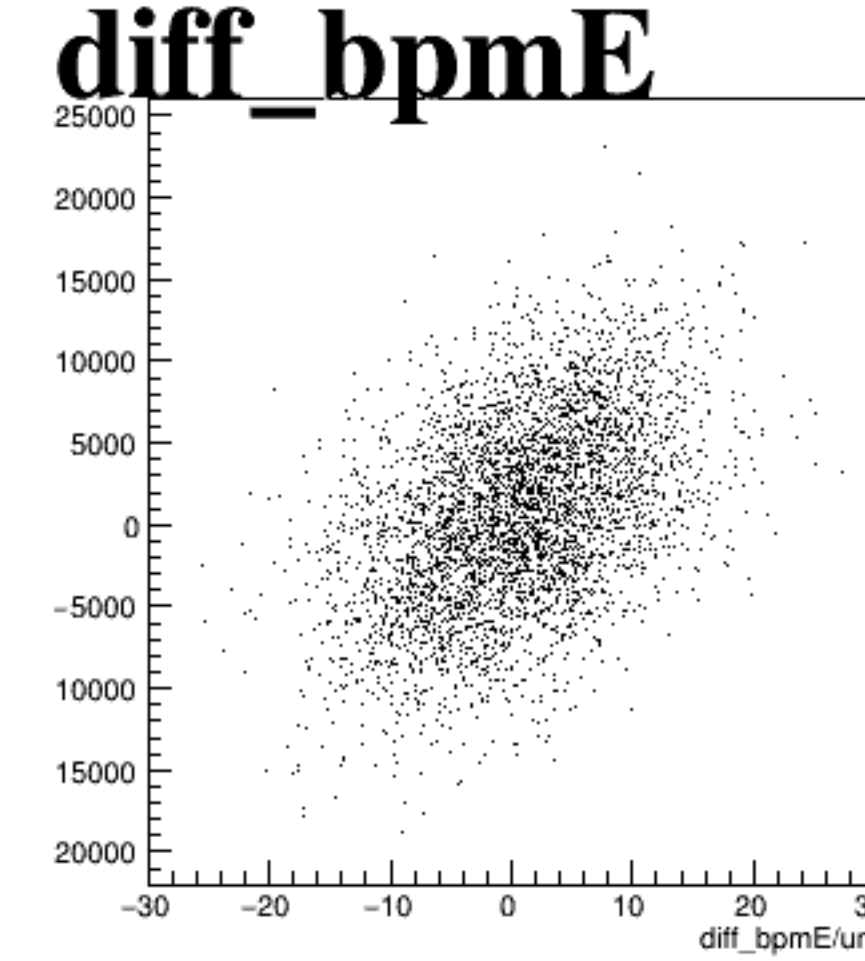
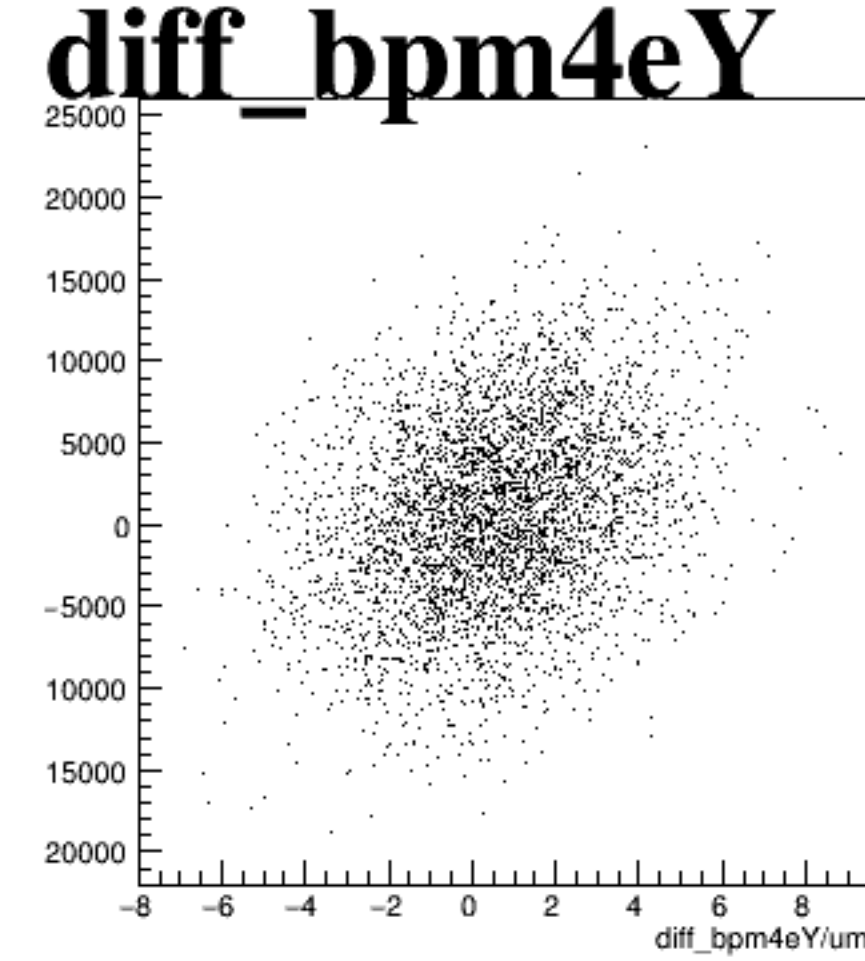
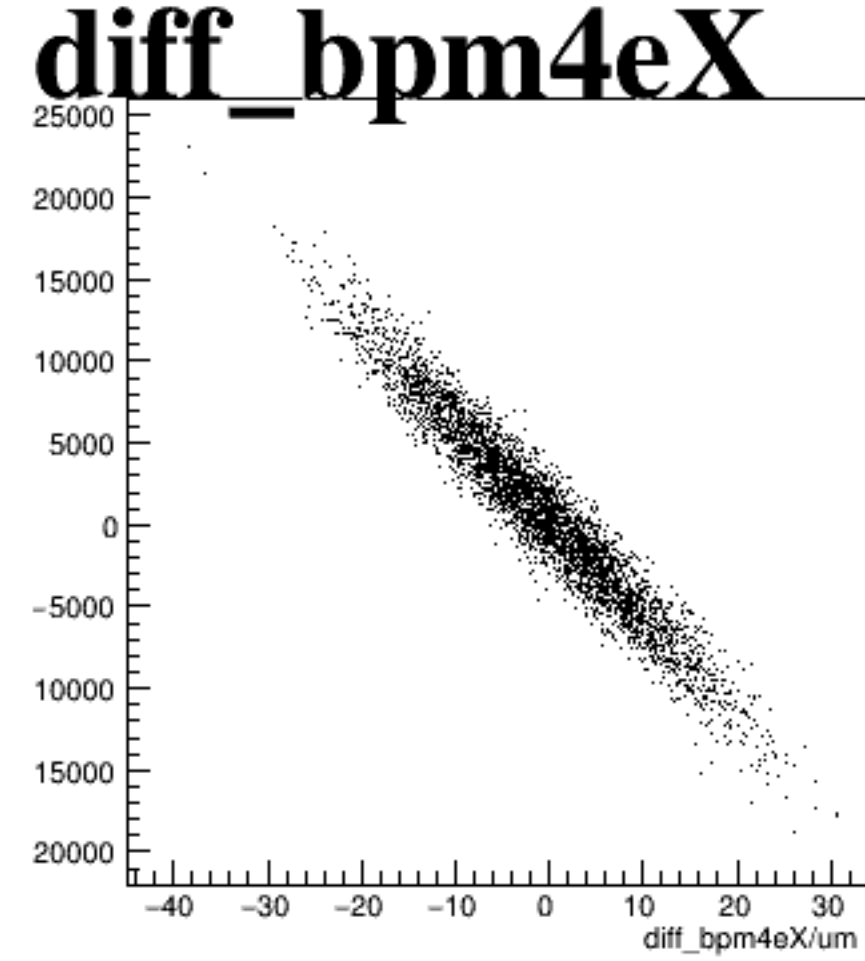
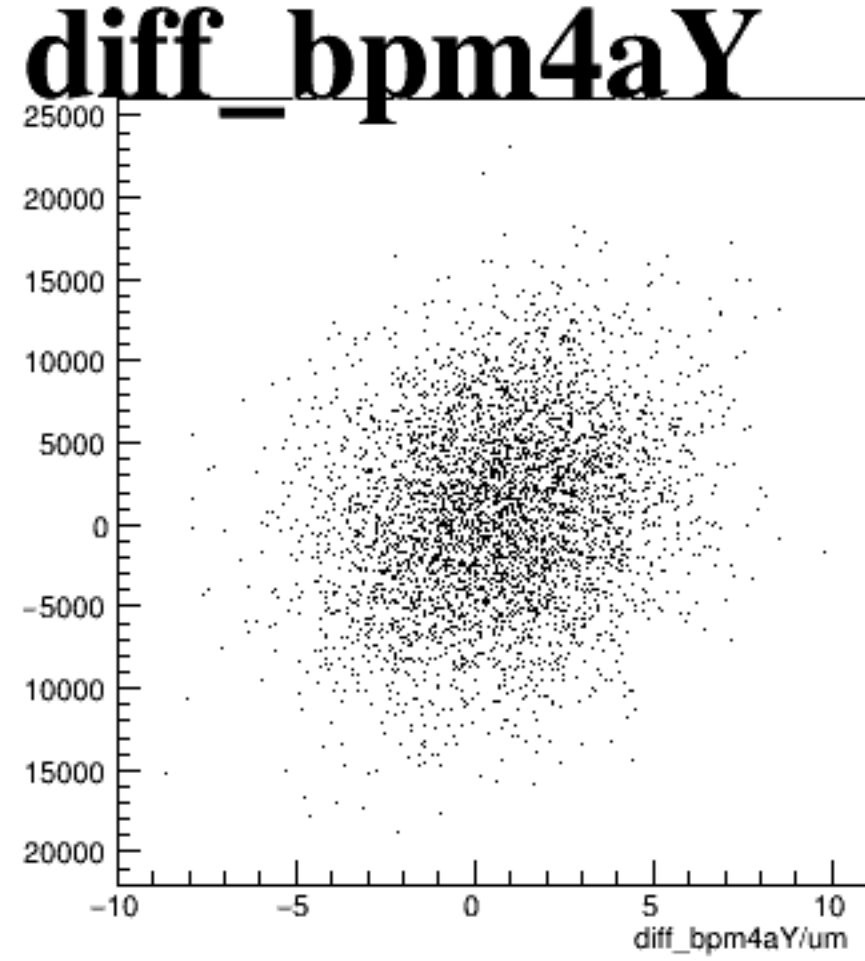
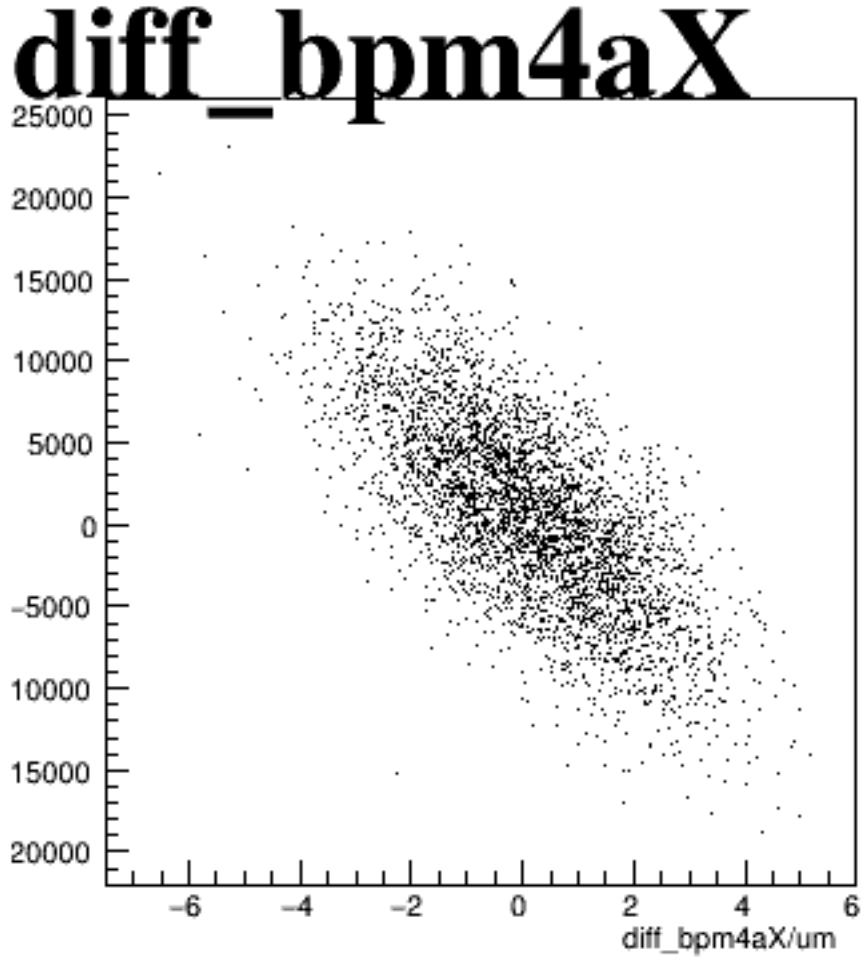
reg_asym_sam8



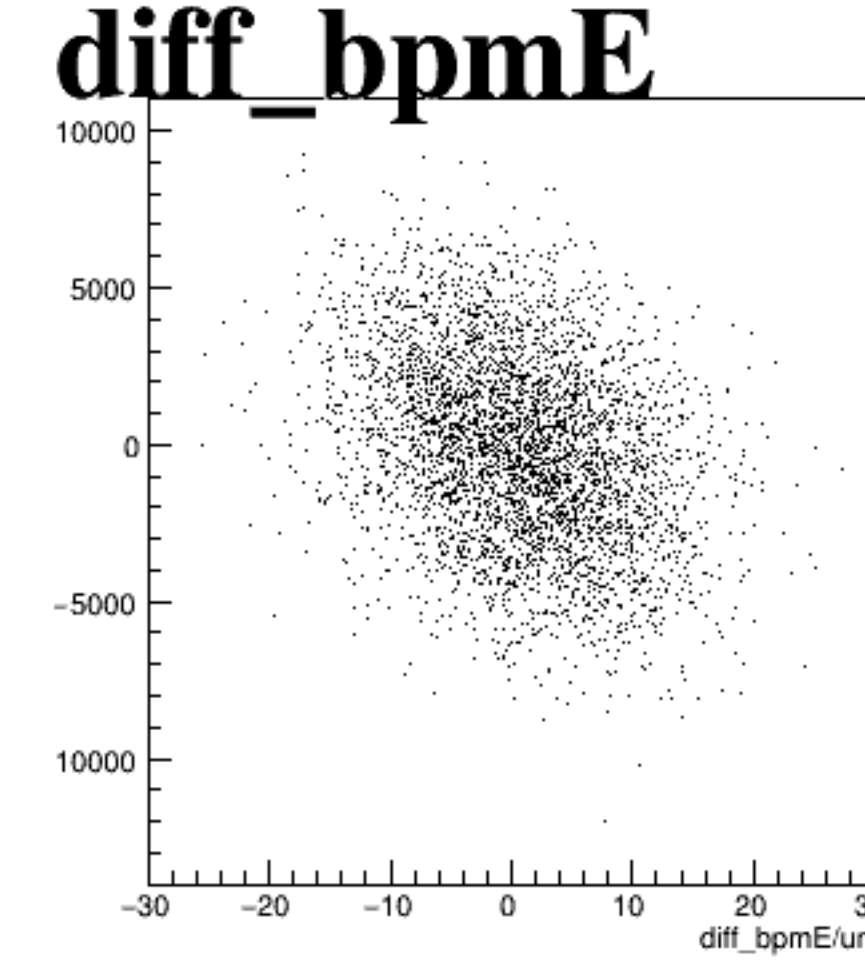
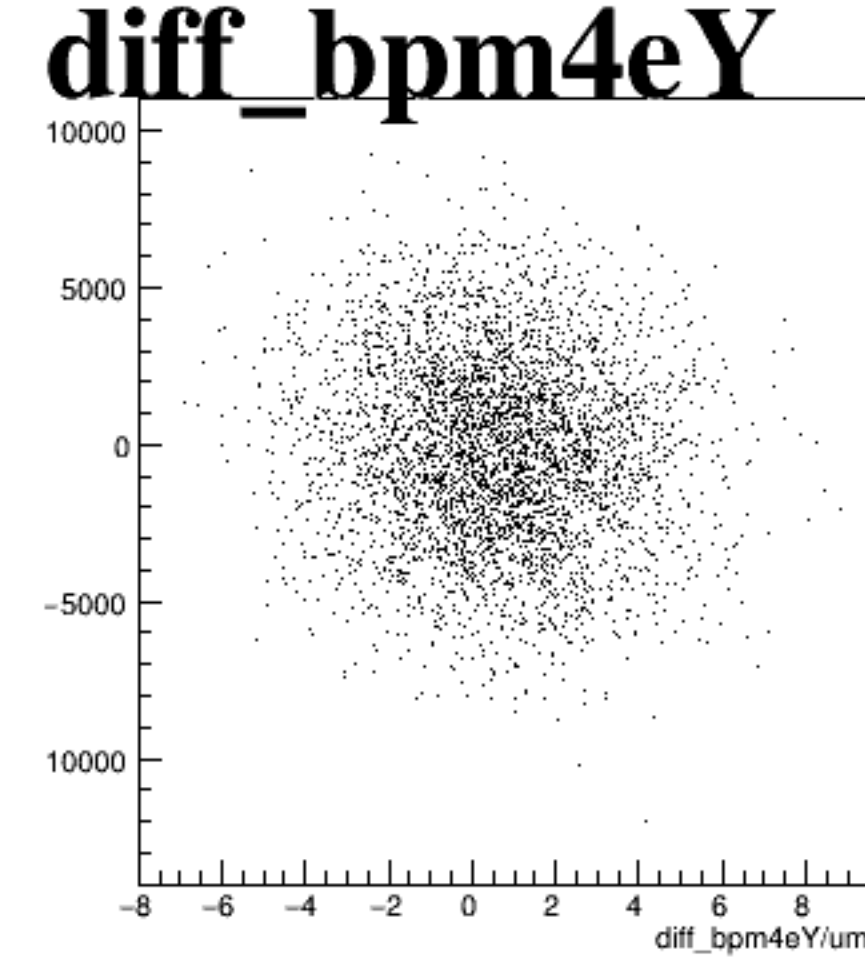
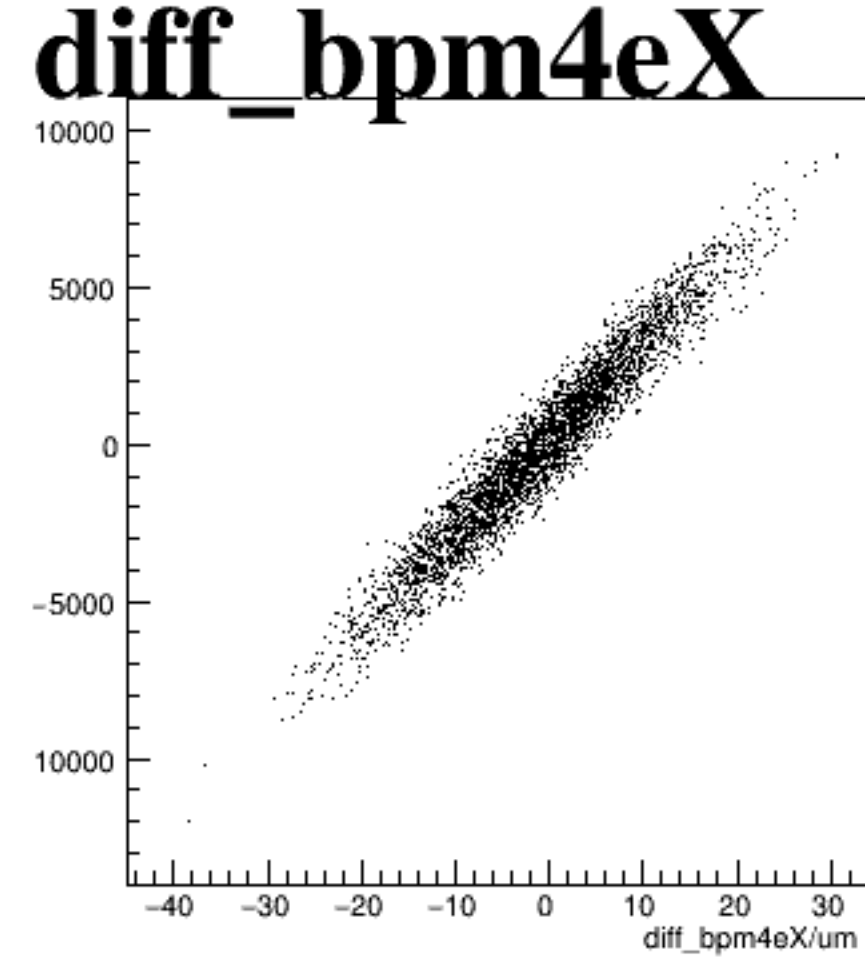
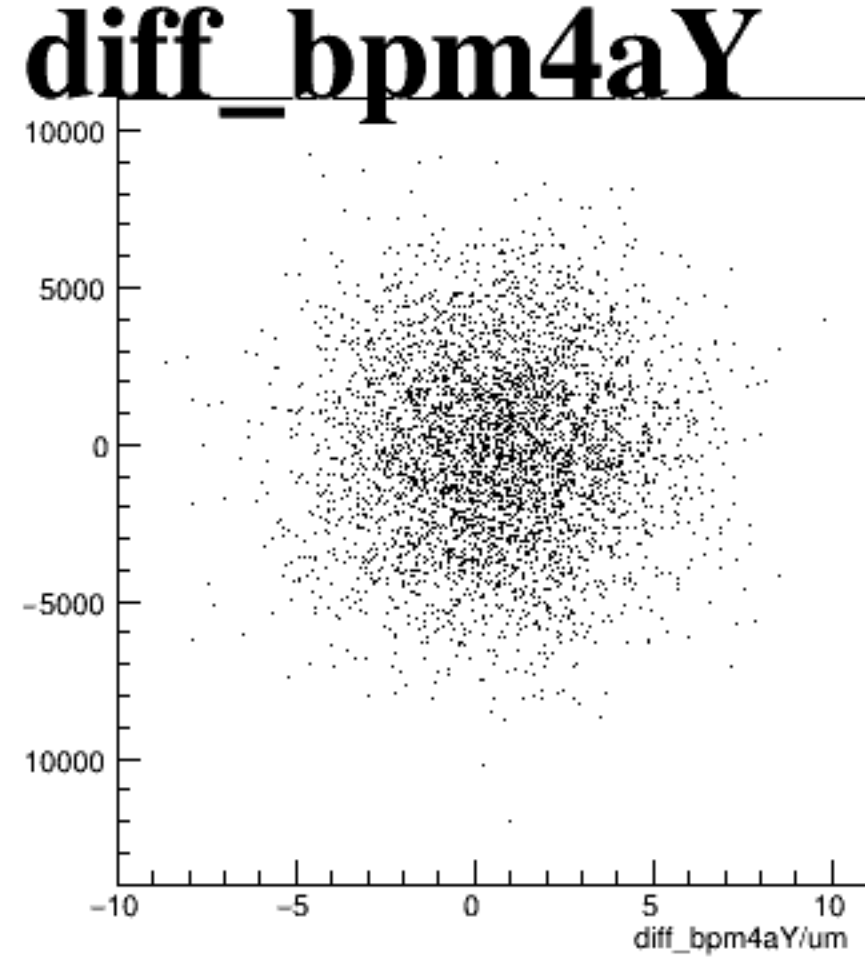
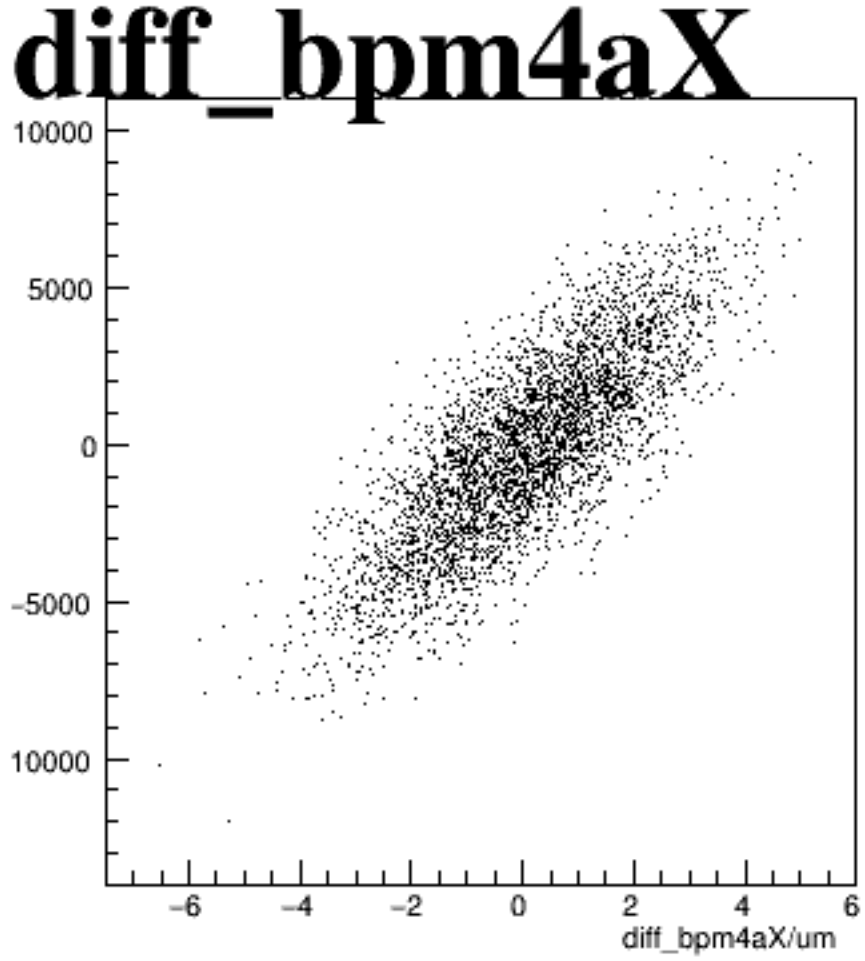
asym_sam2



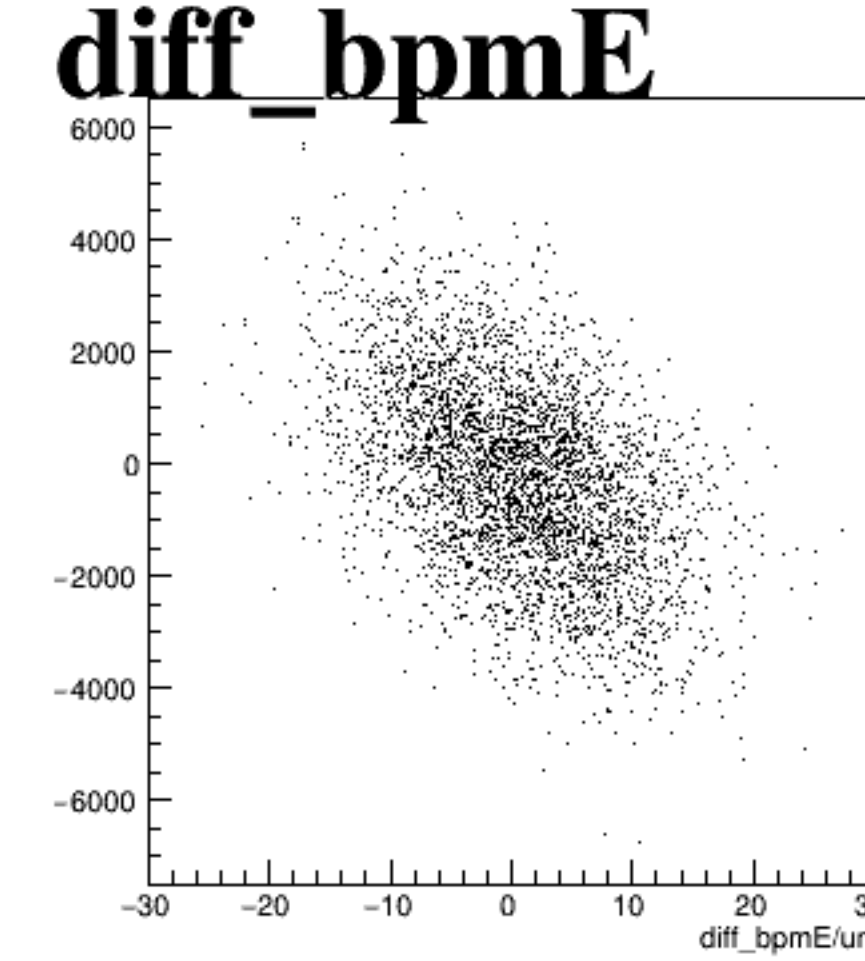
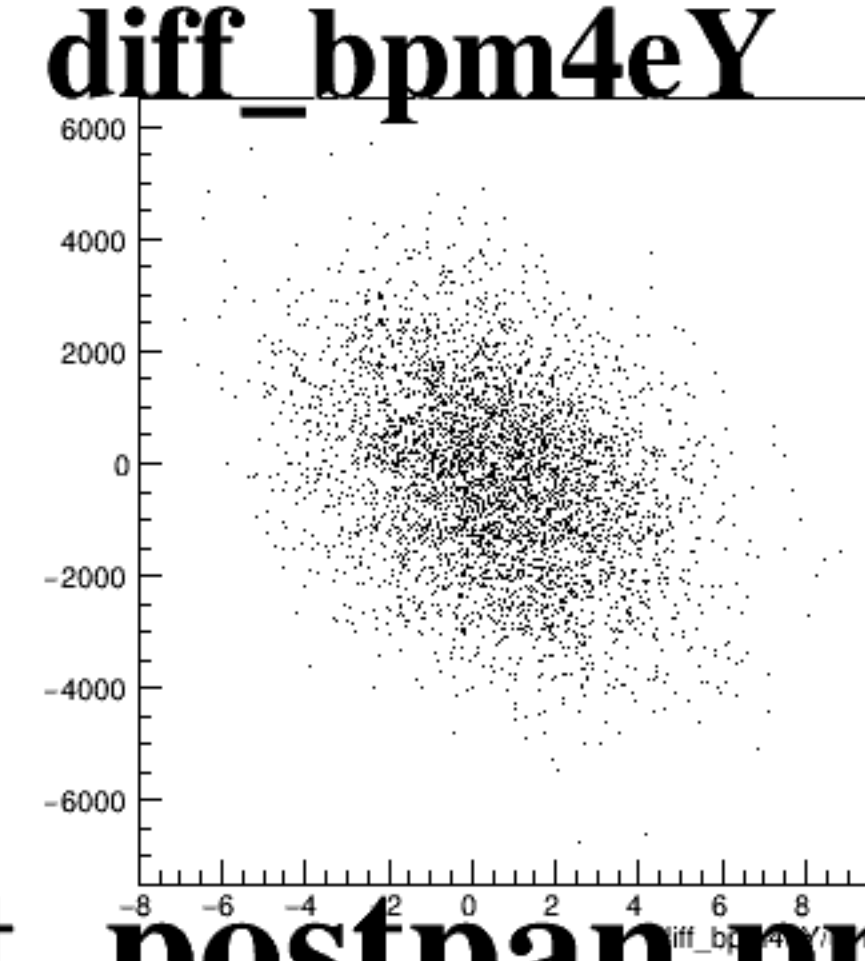
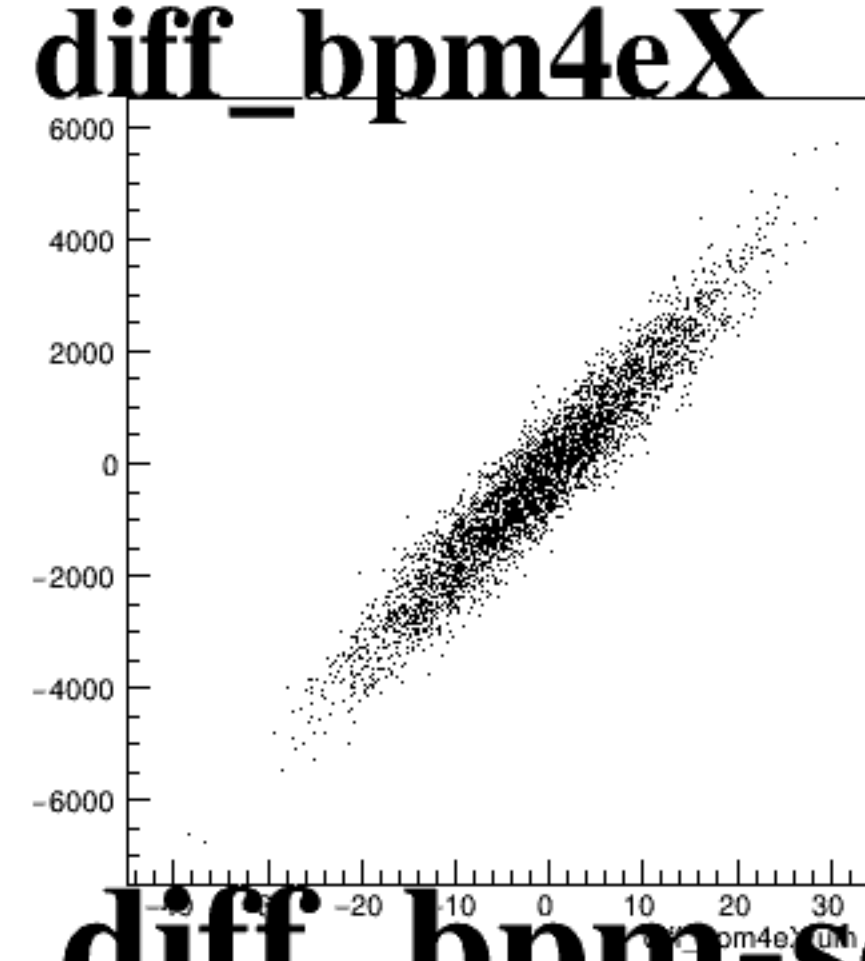
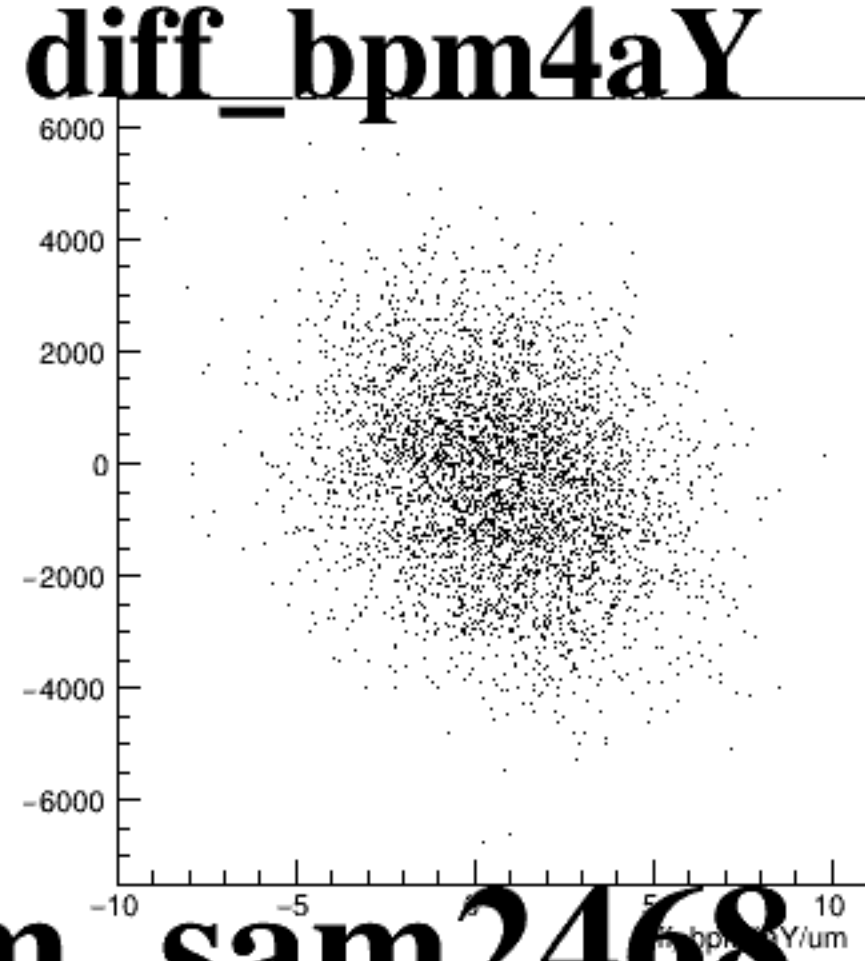
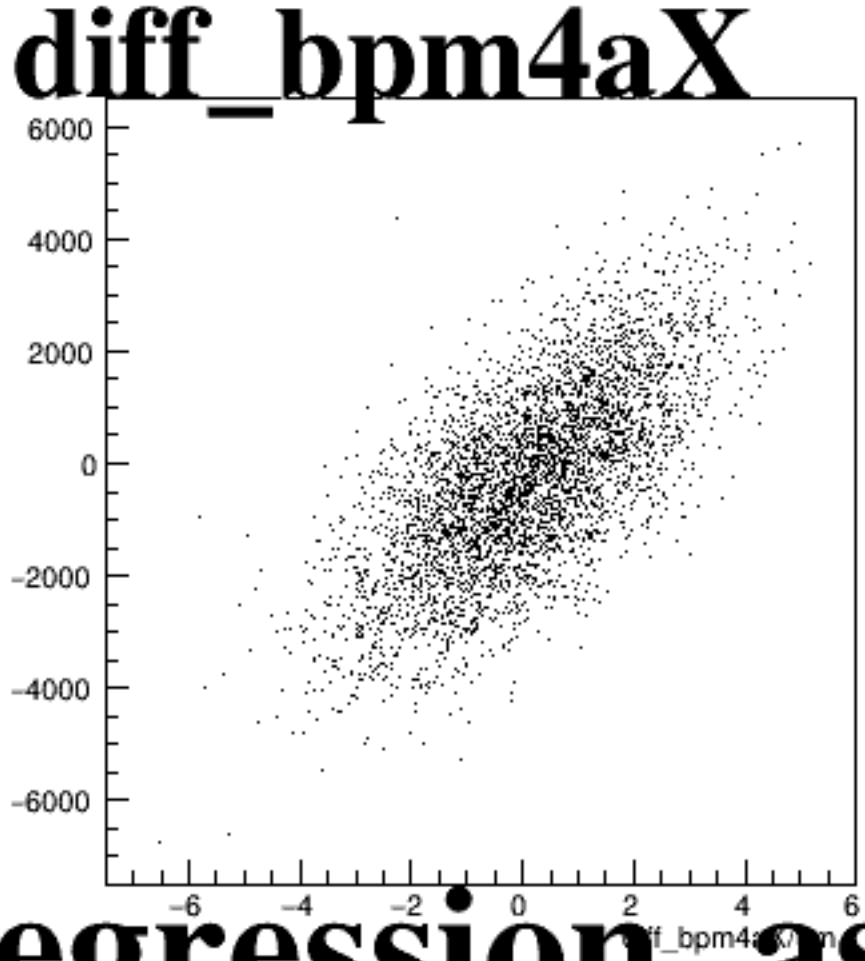
asym_sam4



asym_sam6



asym_sam8



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

- diff_bpm4aX**: The x-axis ranges from -6 to 6, and the y-axis ranges from -4000 to 4000.
- diff_bpm4aY**: The x-axis ranges from -10 to 10, and the y-axis ranges from -4000 to 4000.
- diff_bpm4eX**: The x-axis ranges from -40 to 30, and the y-axis ranges from -4000 to 4000.
- diff_bpm4eY**: The x-axis ranges from -8 to 10, and the y-axis ranges from -4000 to 4000.
- diff_bpmE**: The x-axis ranges from -30 to 30, and the y-axis ranges from -4000 to 4000.

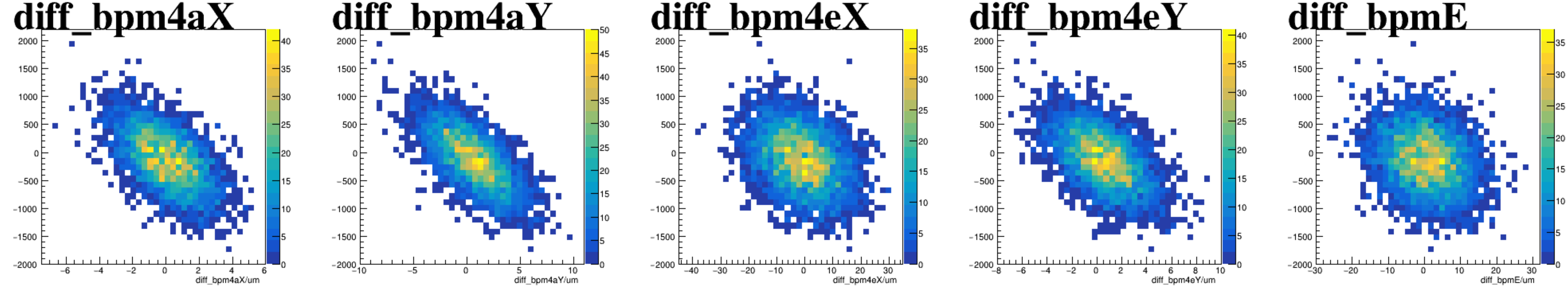
In all plots, the data points are tightly clustered around the origin (0,0), indicating that the difference in BPM measurements is consistently small, which is a sign of high measurement precision.

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

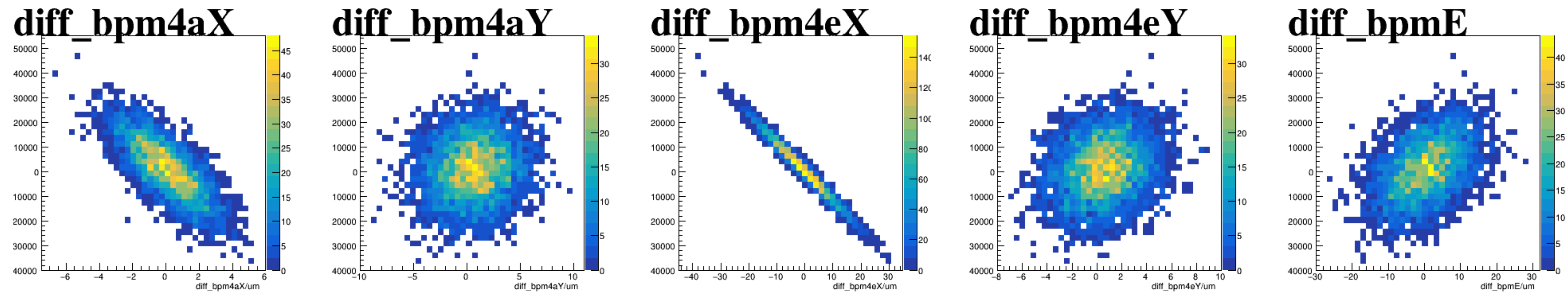
- diff_bpm4aX**: The x-axis is labeled $\text{diff_bpm4aX}/\mu\text{m}$ and ranges from -6 to 6. The y-axis ranges from -2000 to 2000.
- diff_bpm4aY**: The x-axis is labeled $\text{diff_bpm4aY}/\mu\text{m}$ and ranges from -10 to 10. The y-axis ranges from -2000 to 2000.
- diff_bpm4eX**: The x-axis is labeled $\text{diff_bpm4eX}/\mu\text{m}$ and ranges from -40 to 30. The y-axis ranges from -2000 to 2000.
- diff_bpm4eY**: The x-axis is labeled $\text{diff_bpm4eY}/\mu\text{m}$ and ranges from -8 to 10. The y-axis ranges from -2000 to 2000.
- diff_bpmE**: The x-axis is labeled $\text{diff_bpmE}/\mu\text{m}$ and ranges from -30 to 30. The y-axis ranges from -2000 to 2000.

All plots show a dense, roughly circular distribution of points centered at the origin (0,0), indicating that the difference measurements are highly precise and centered around zero.

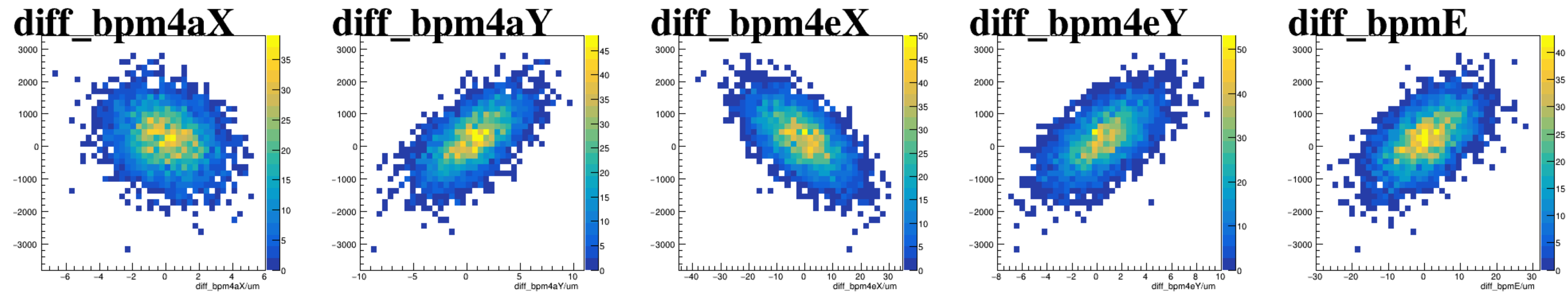
asym_sam1



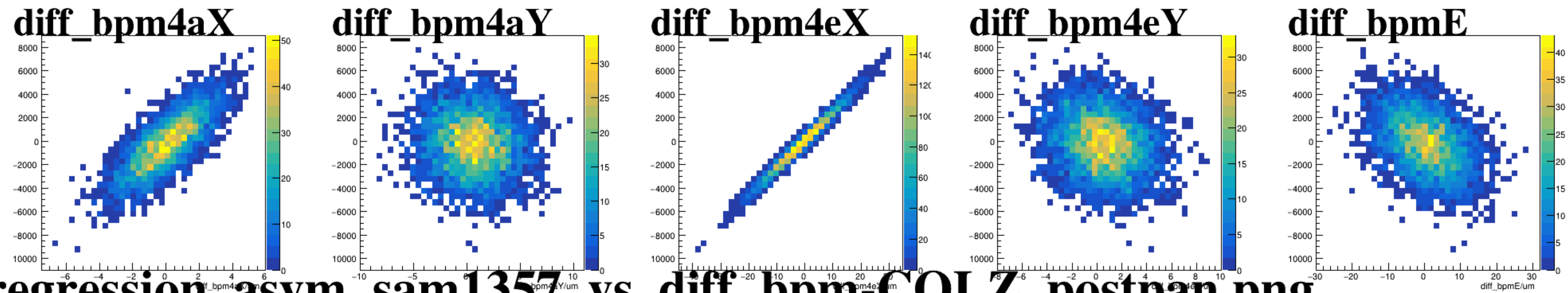
asym_sam3



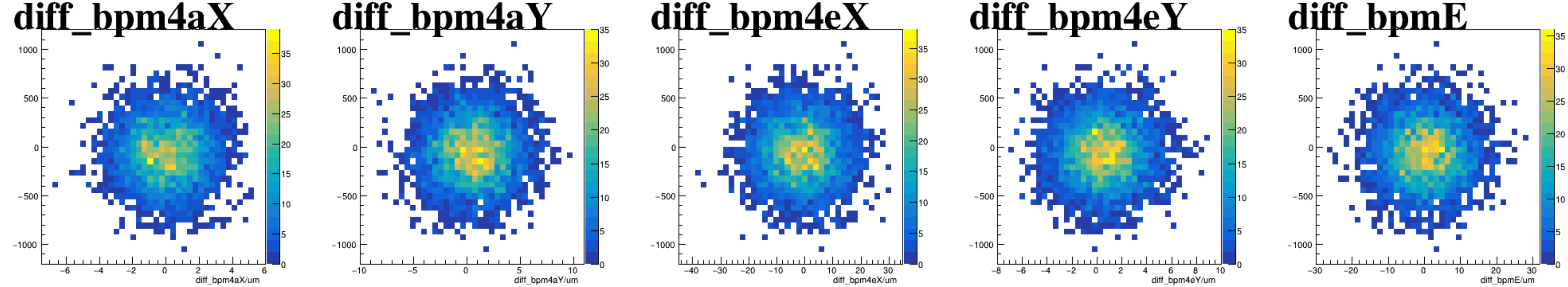
asym_sam5



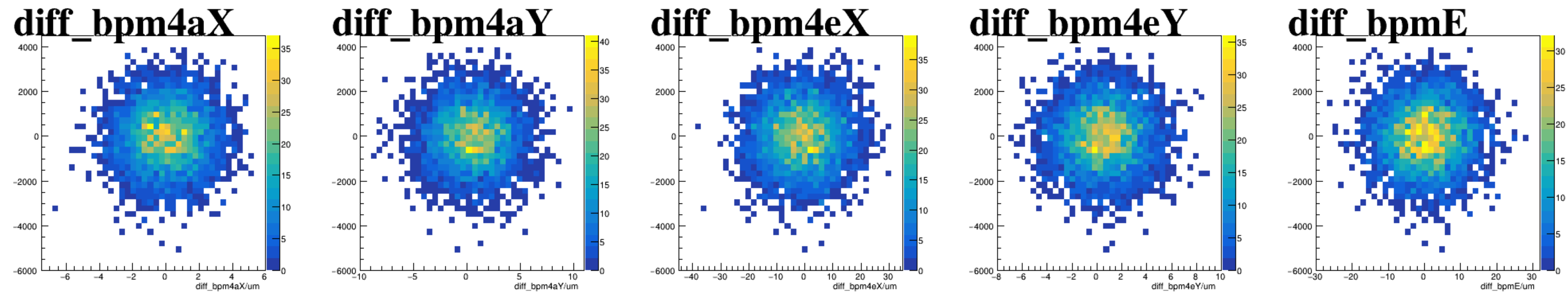
asym_sam7



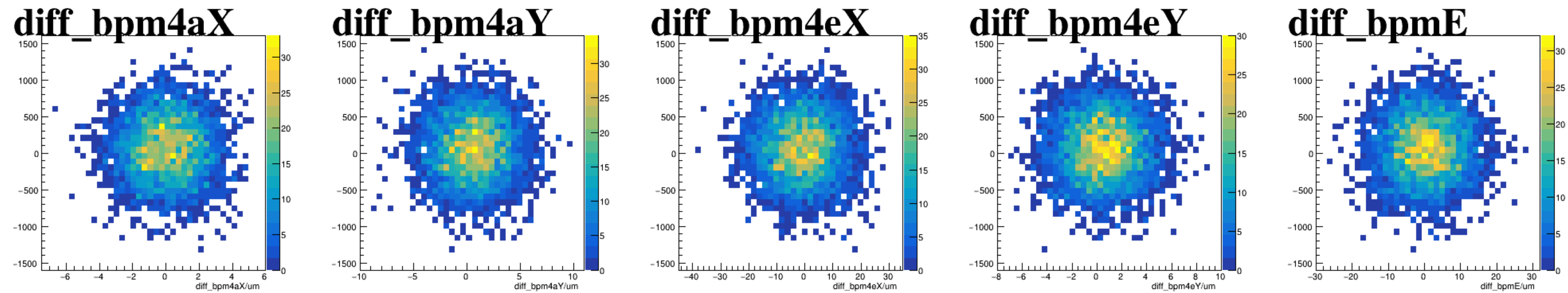
reg_asym_sam1



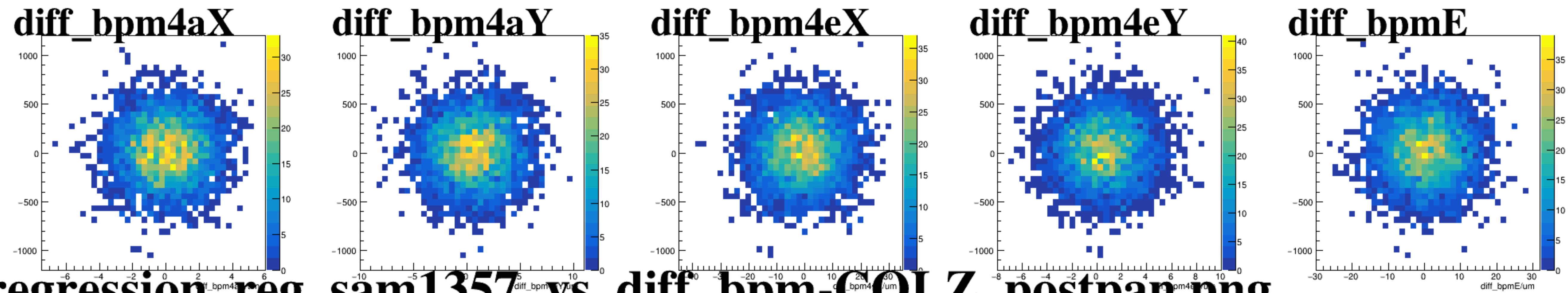
reg_asym_sam3



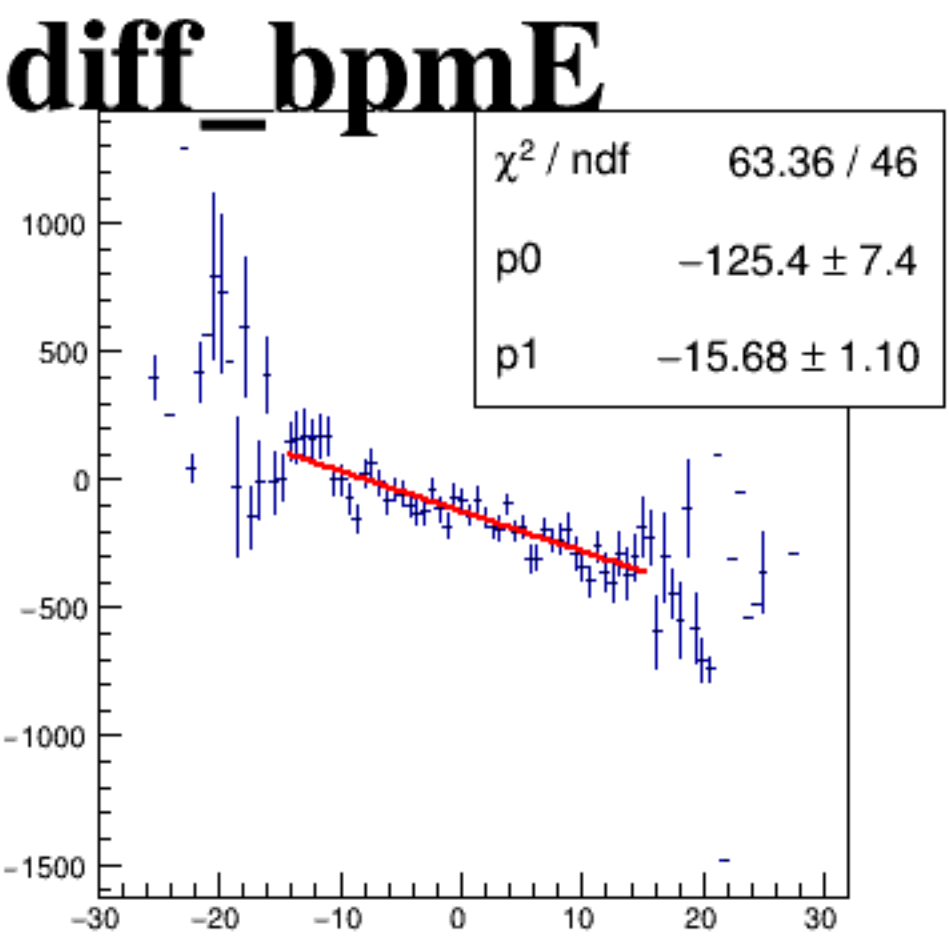
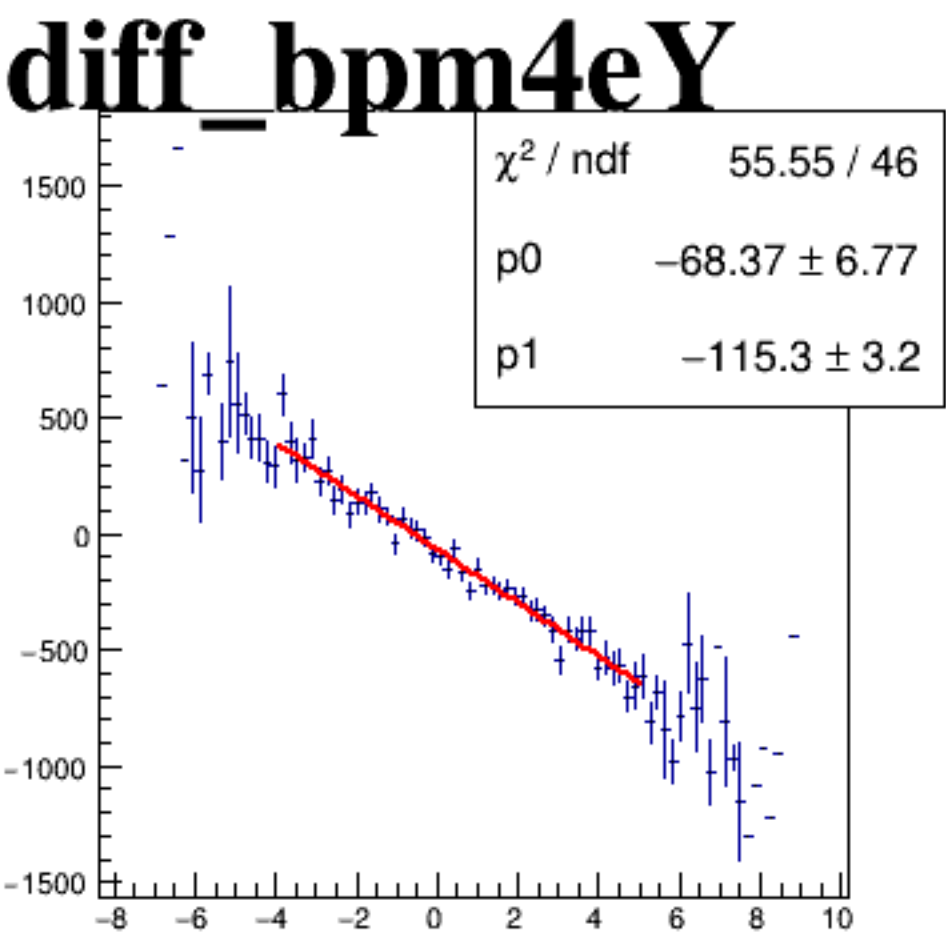
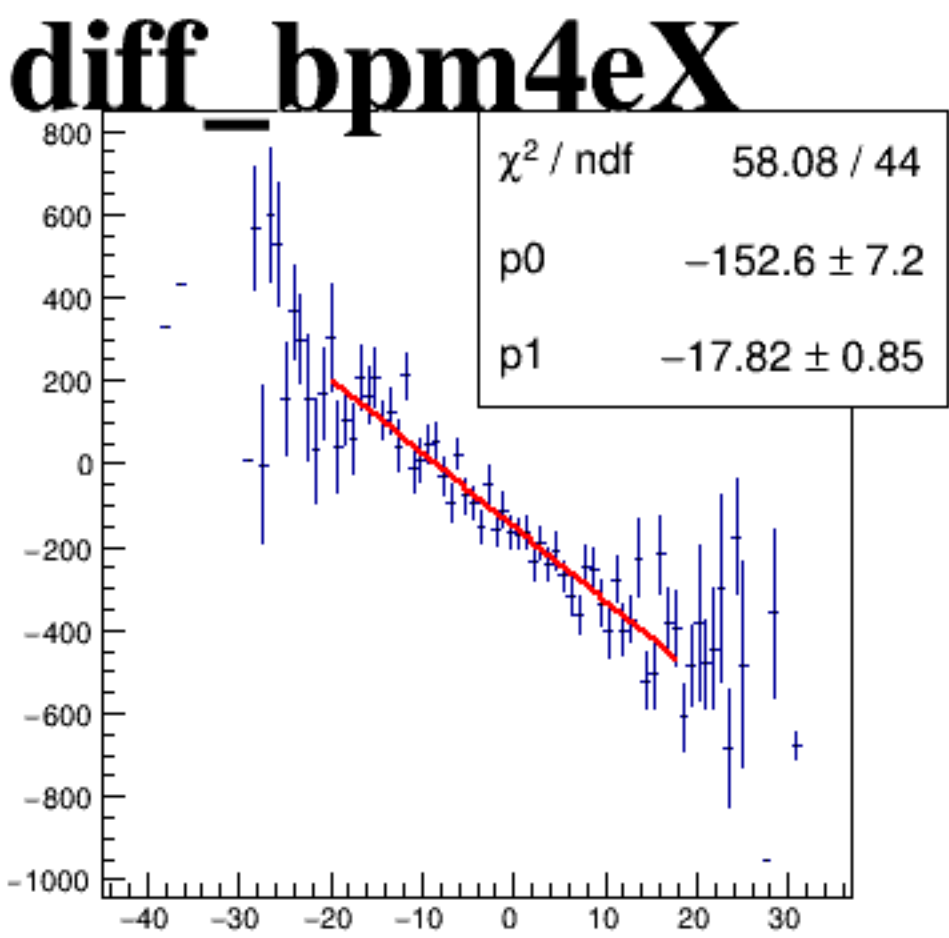
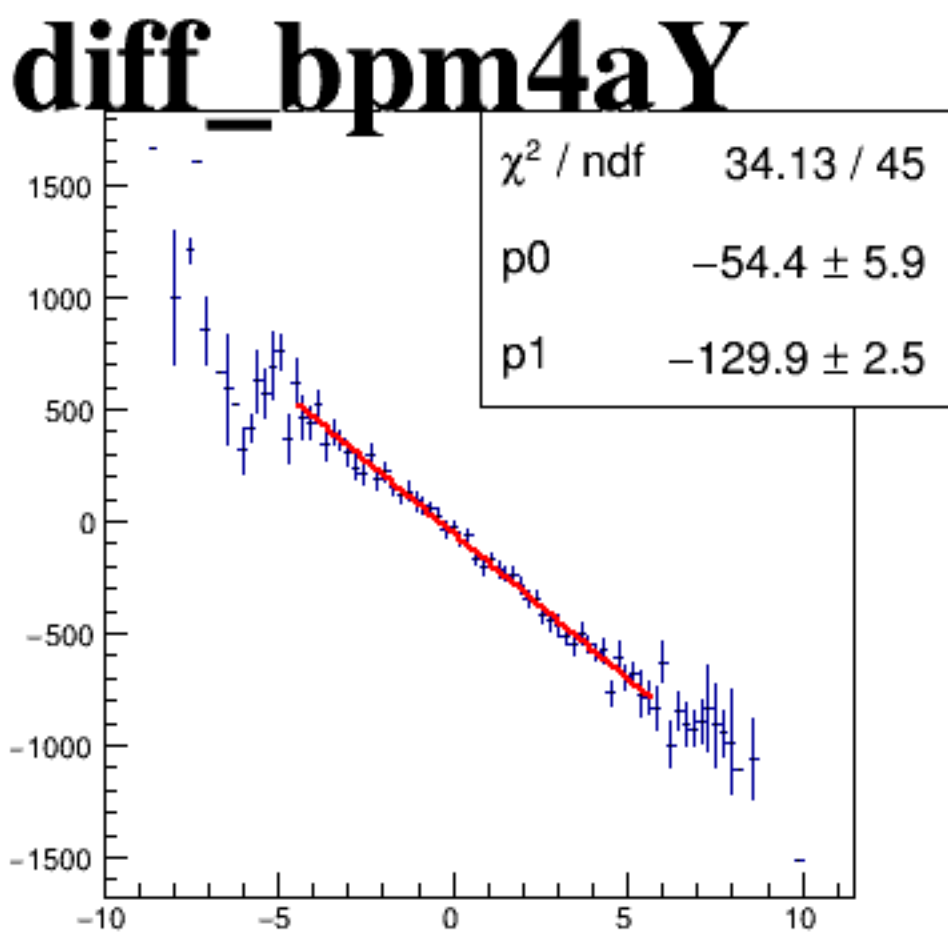
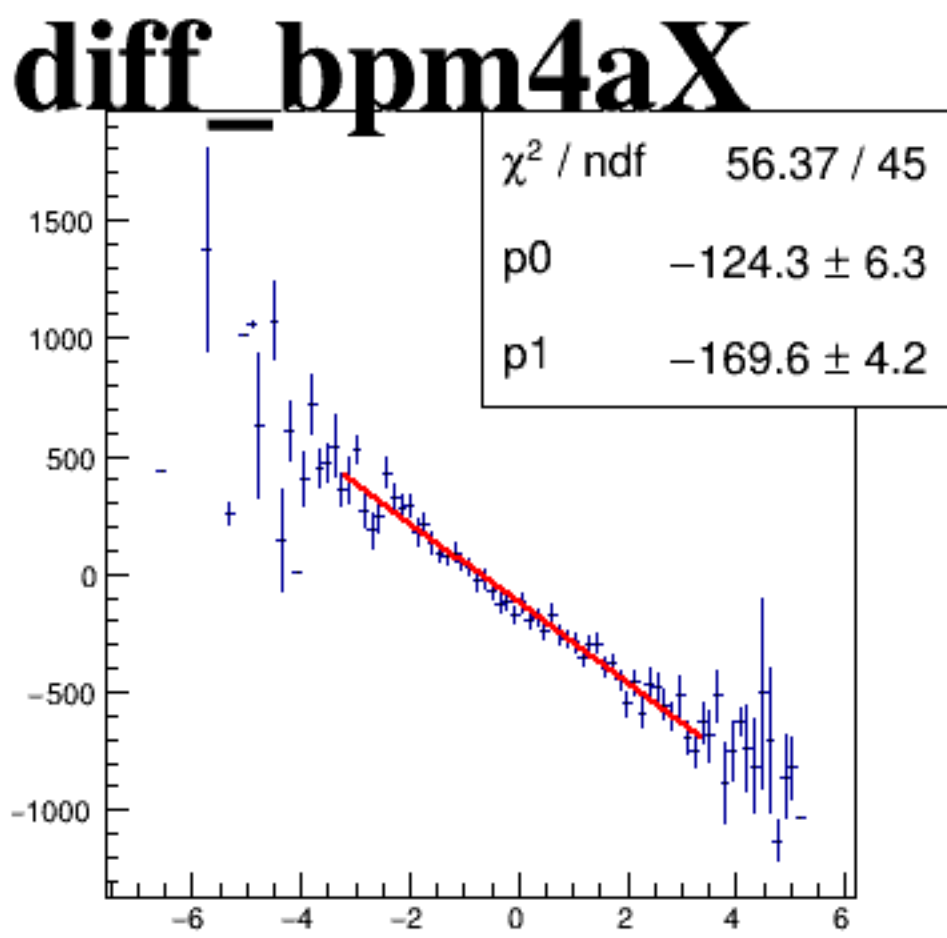
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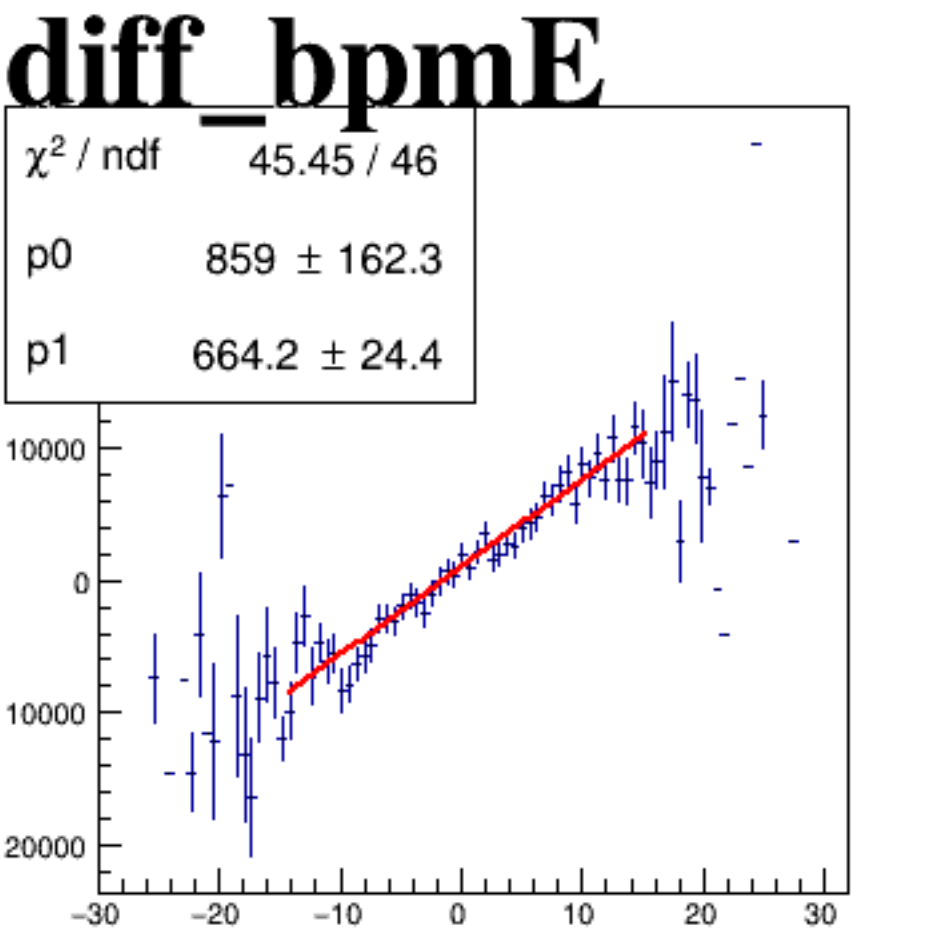
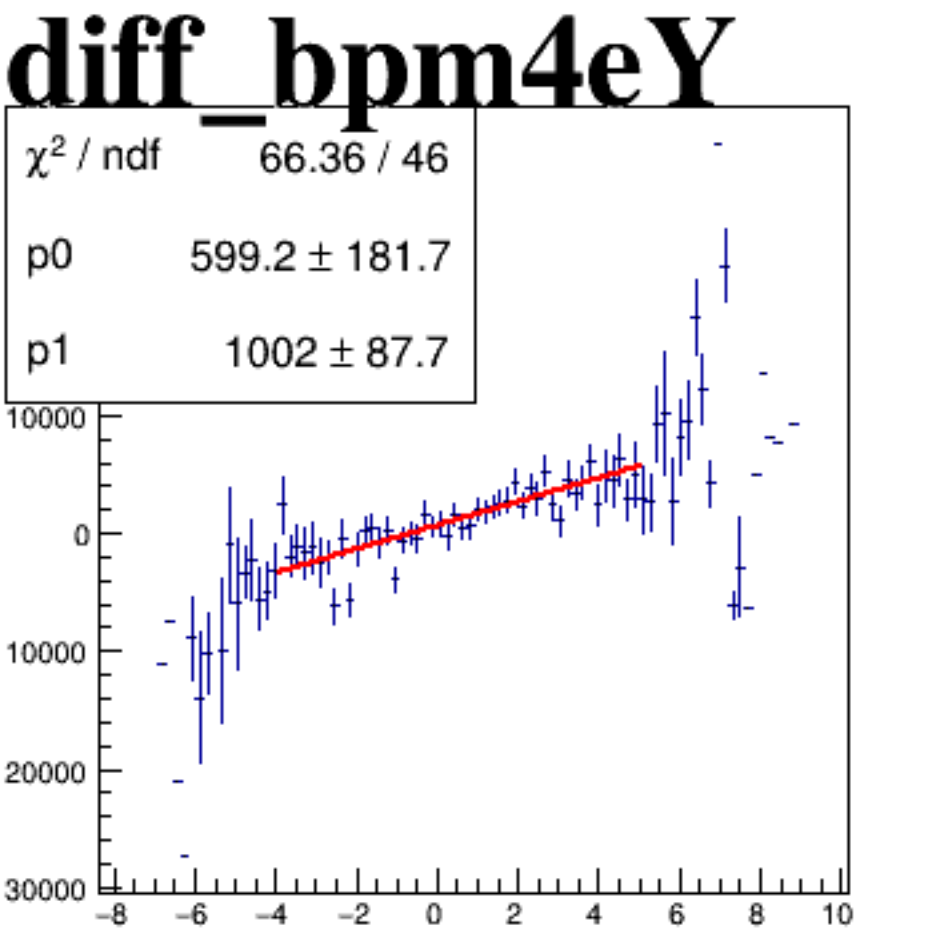
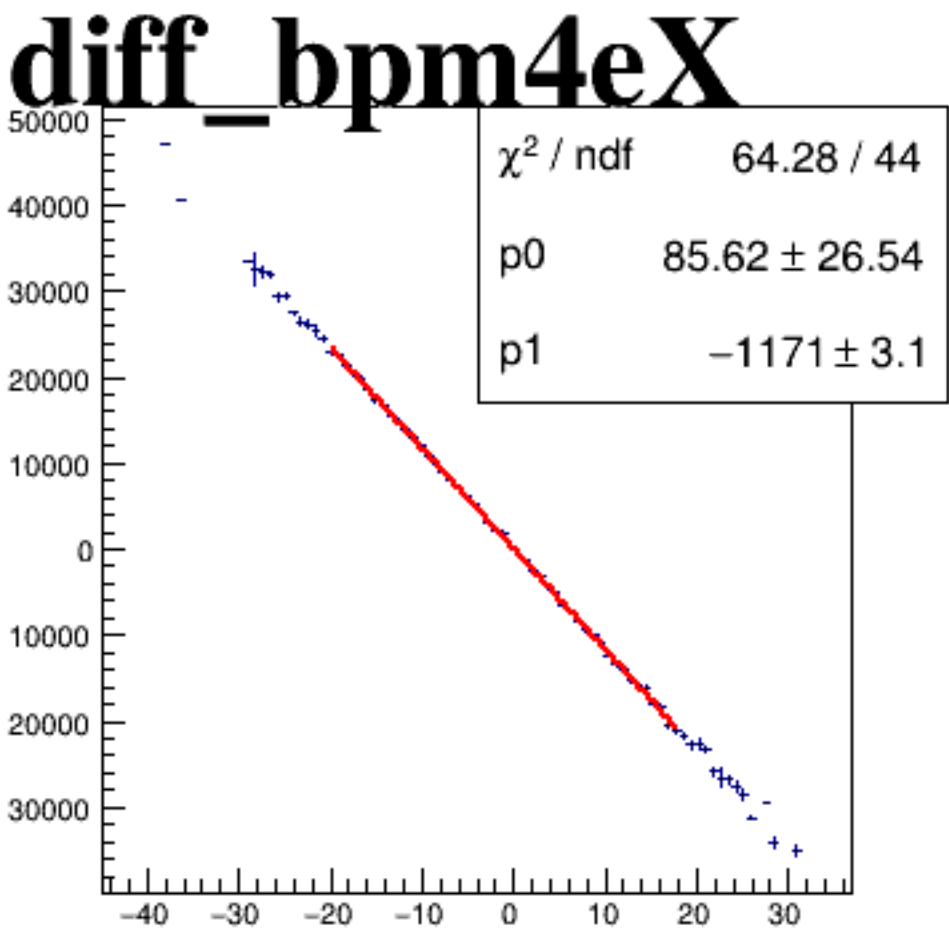
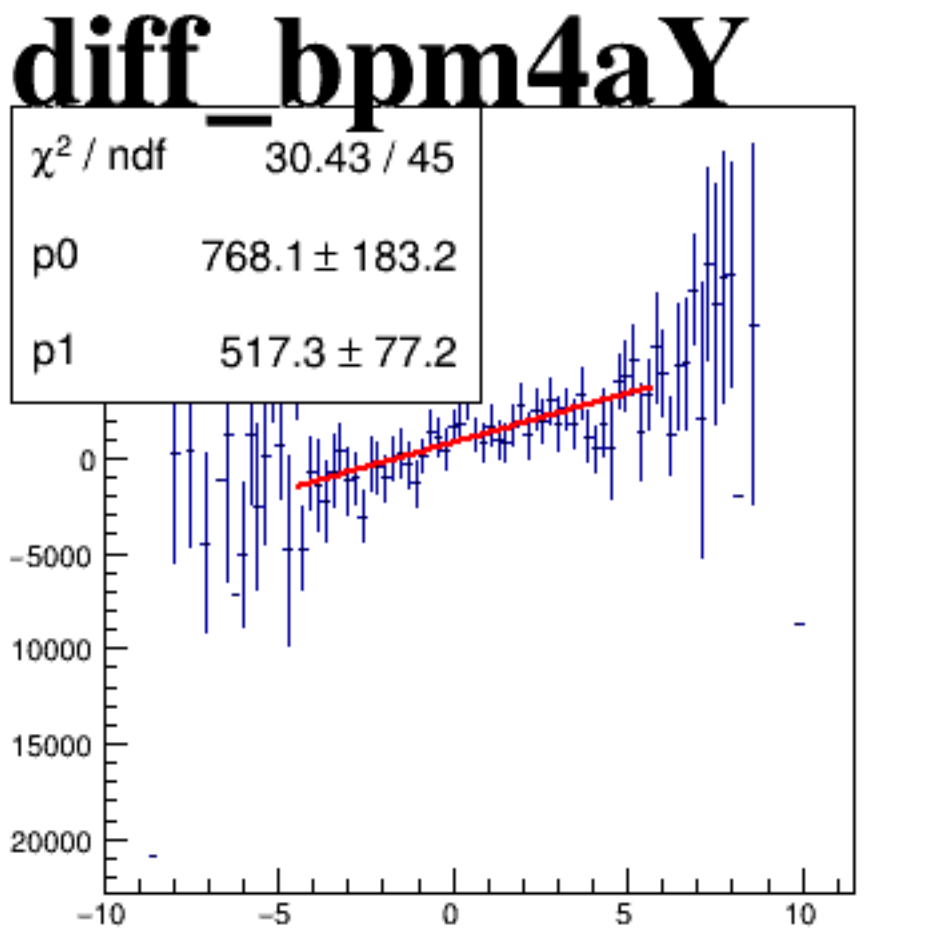
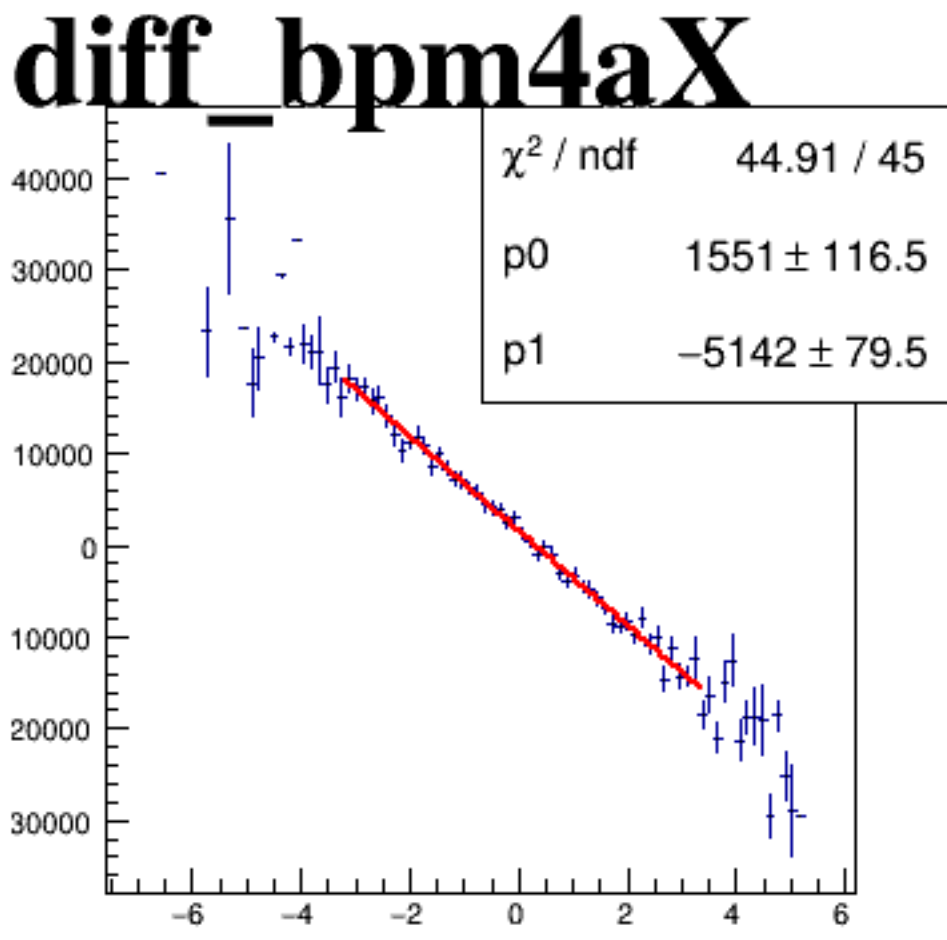
reg_asym_sam7



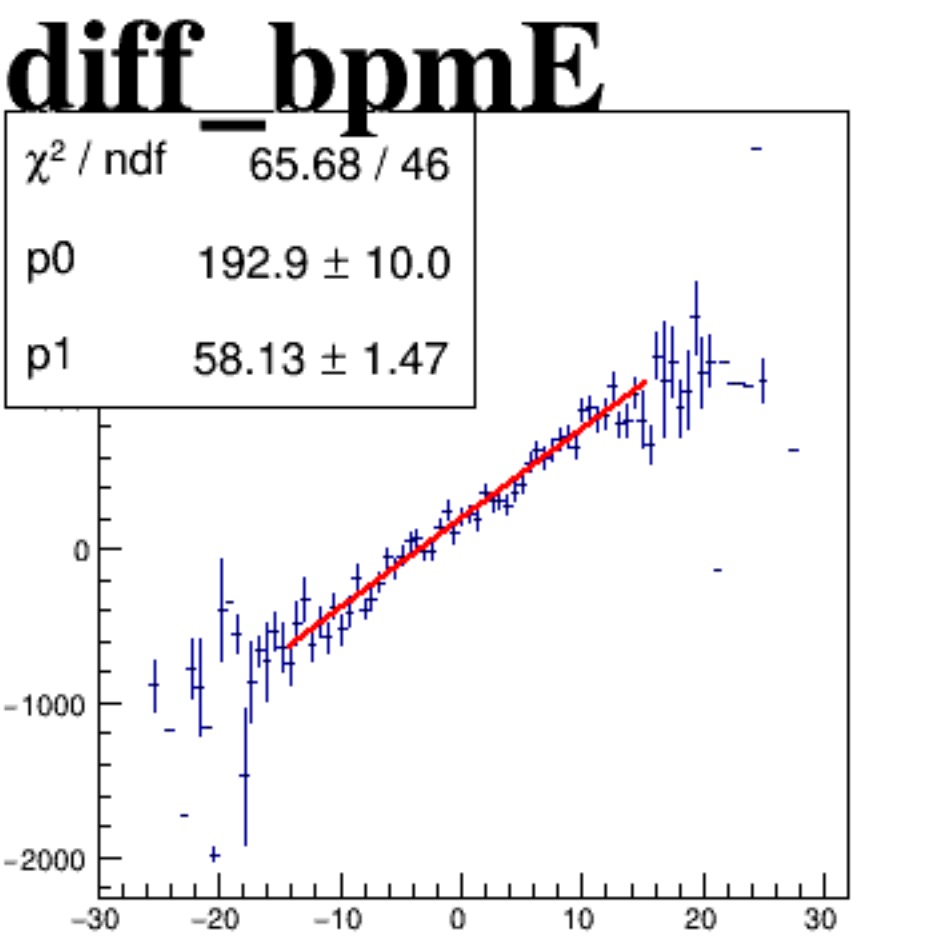
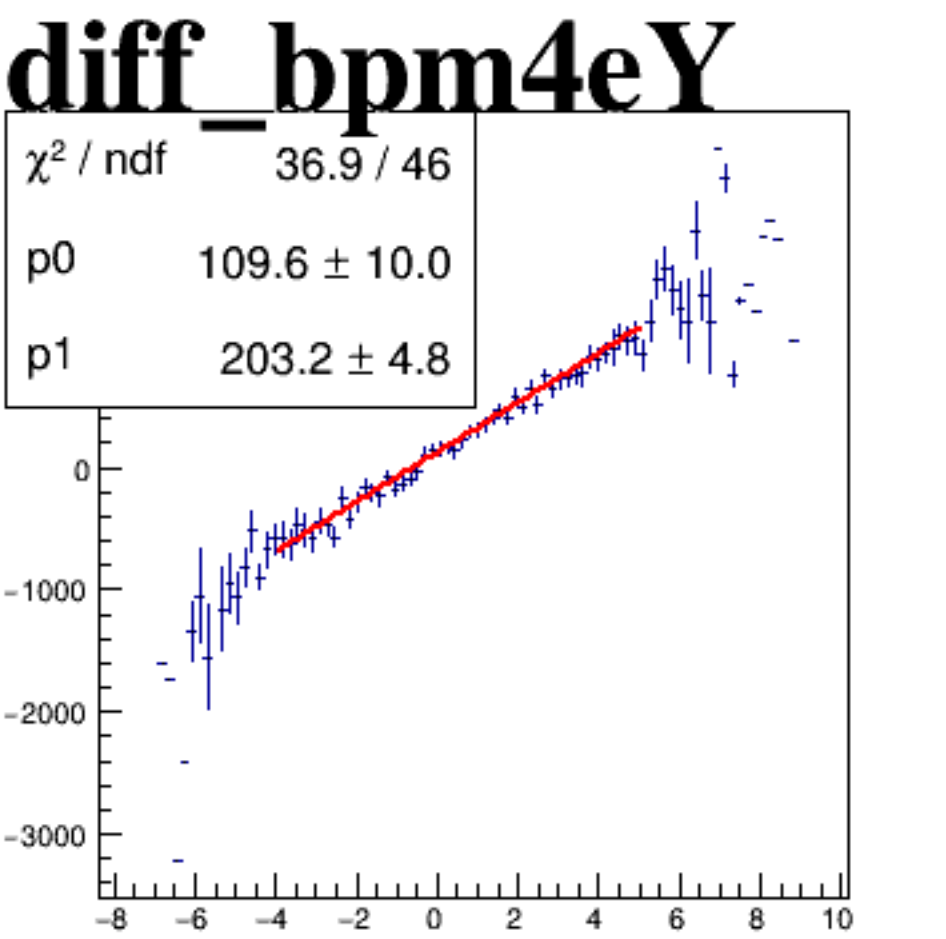
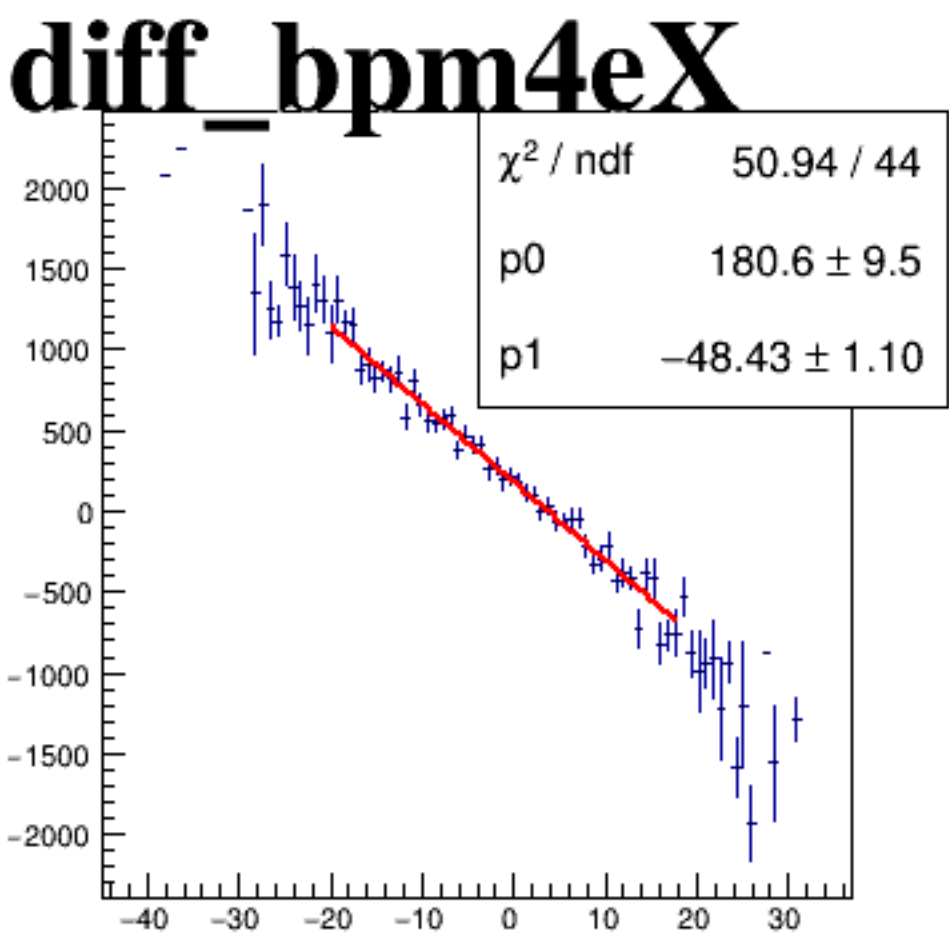
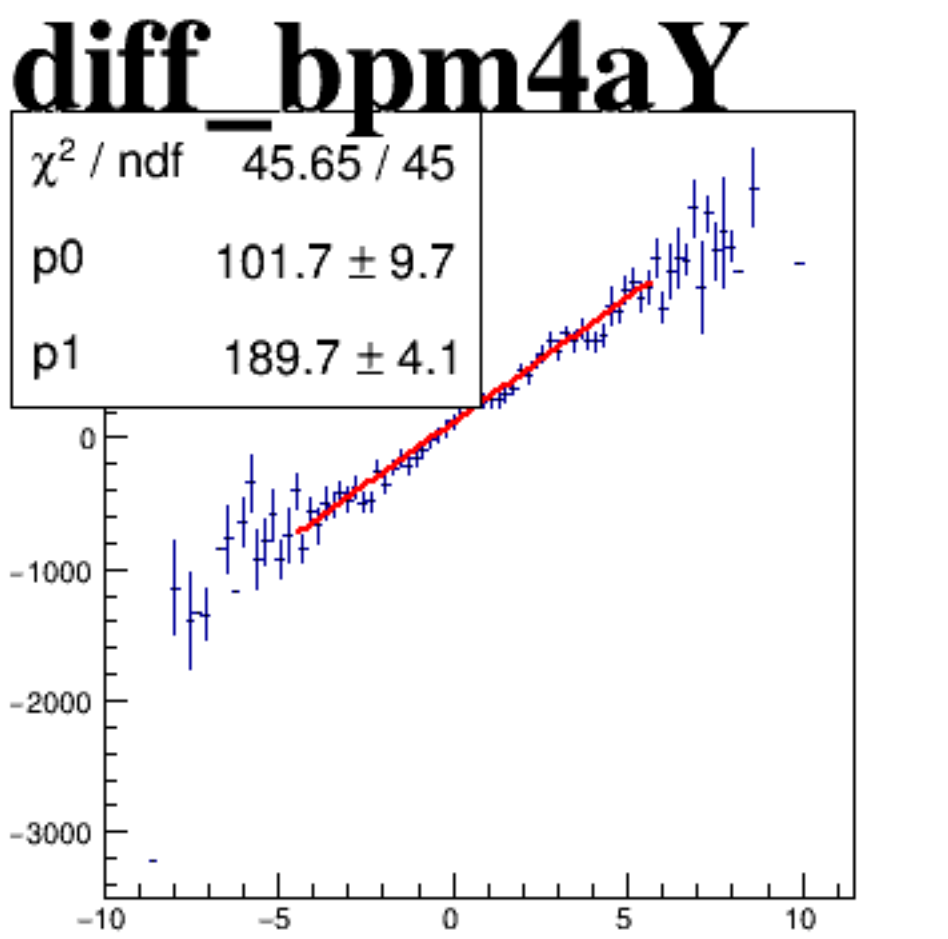
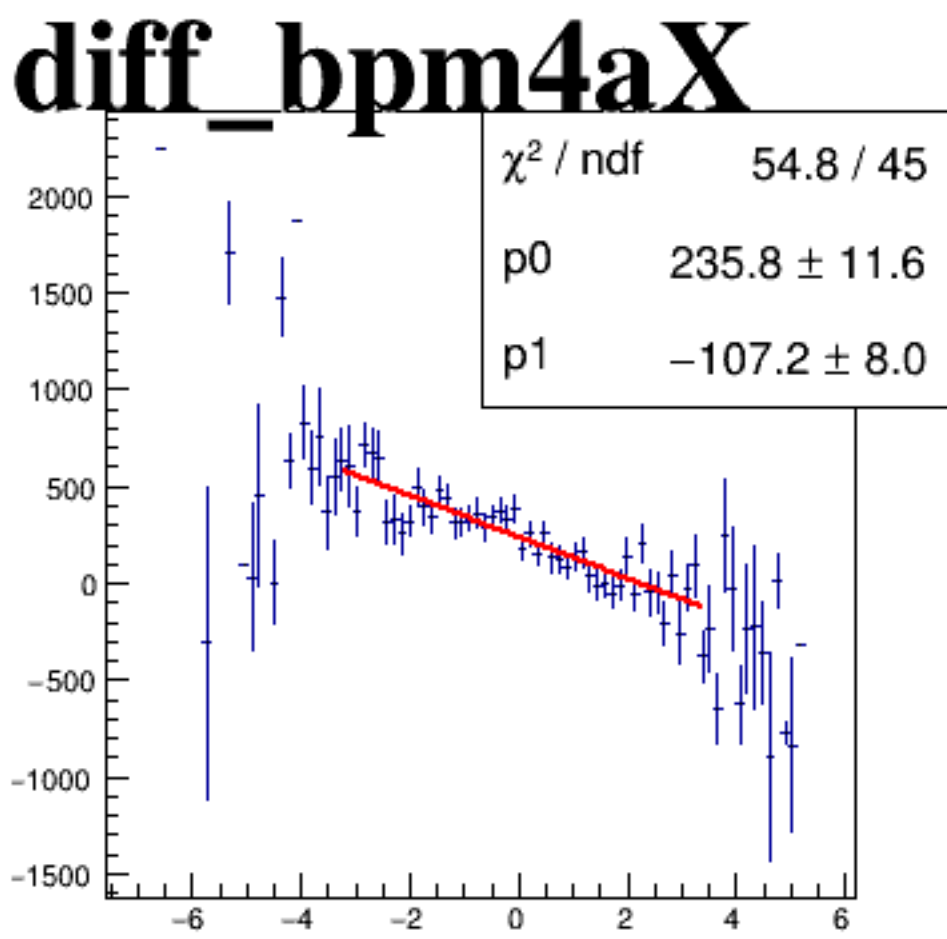
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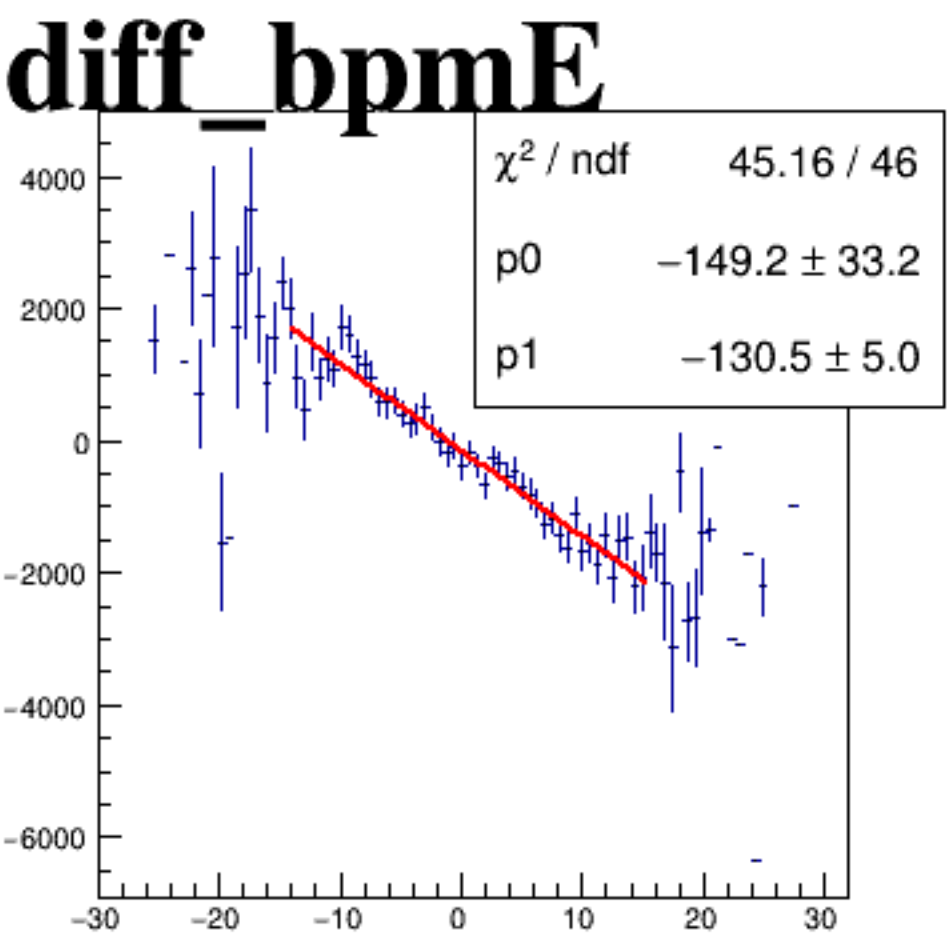
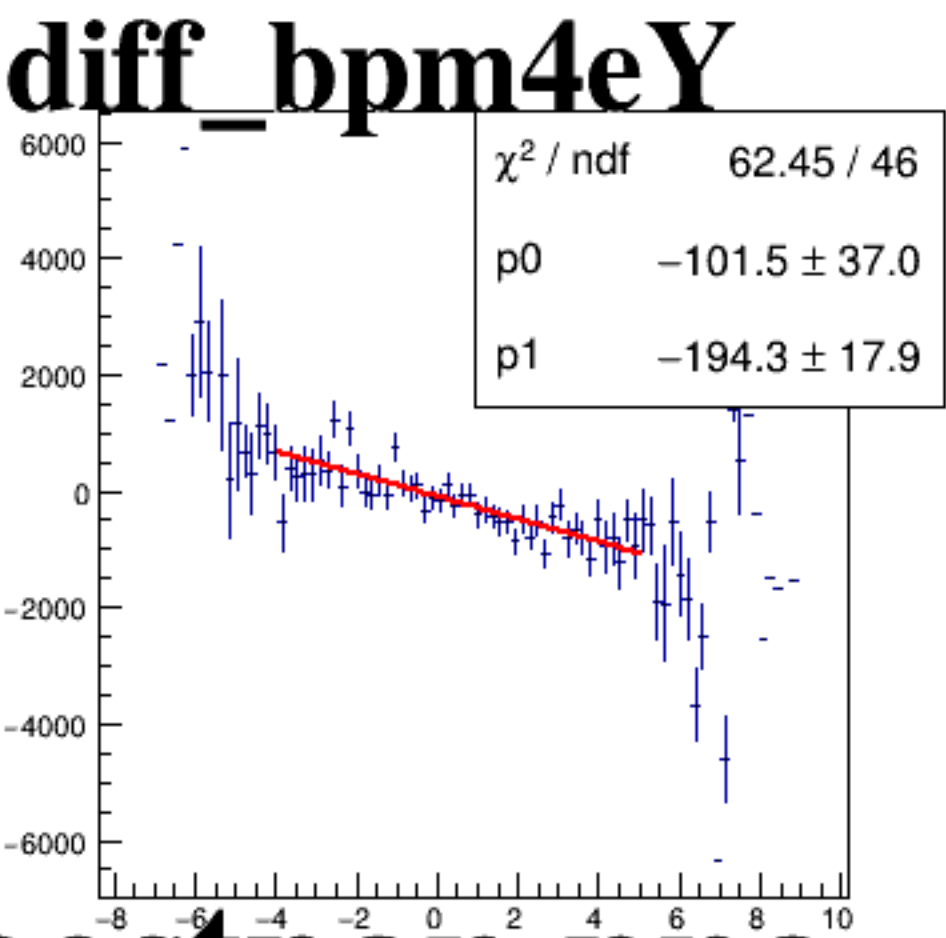
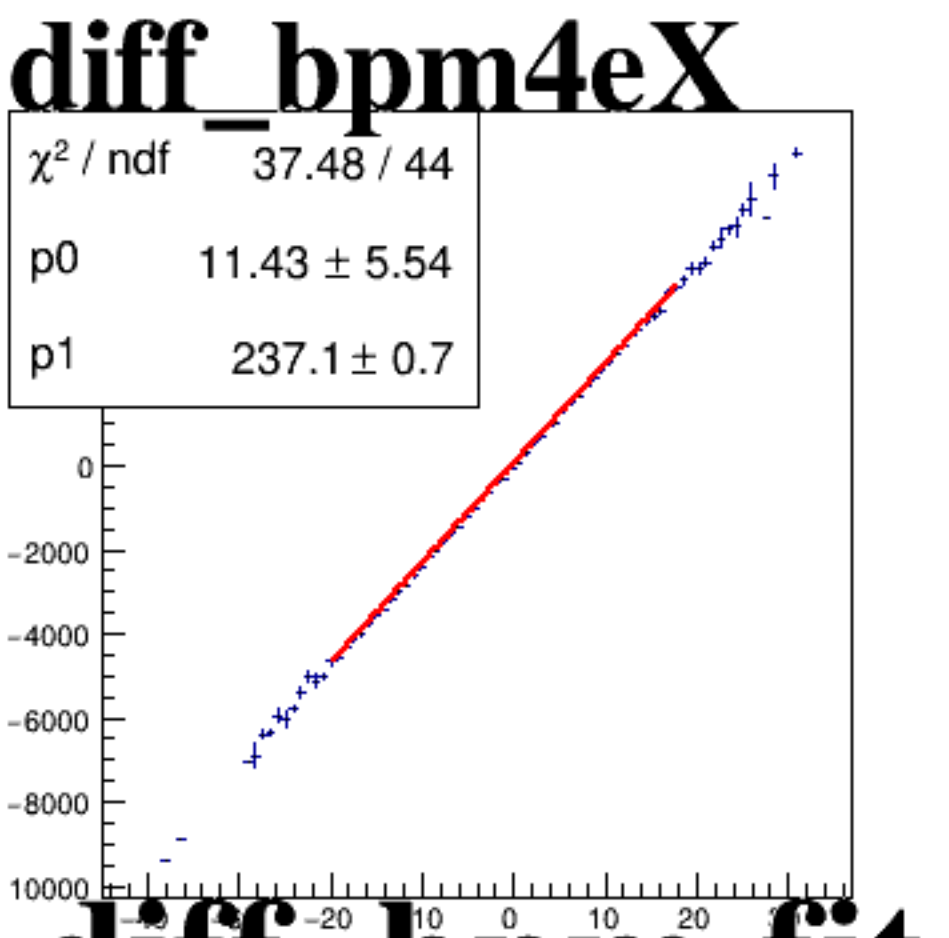
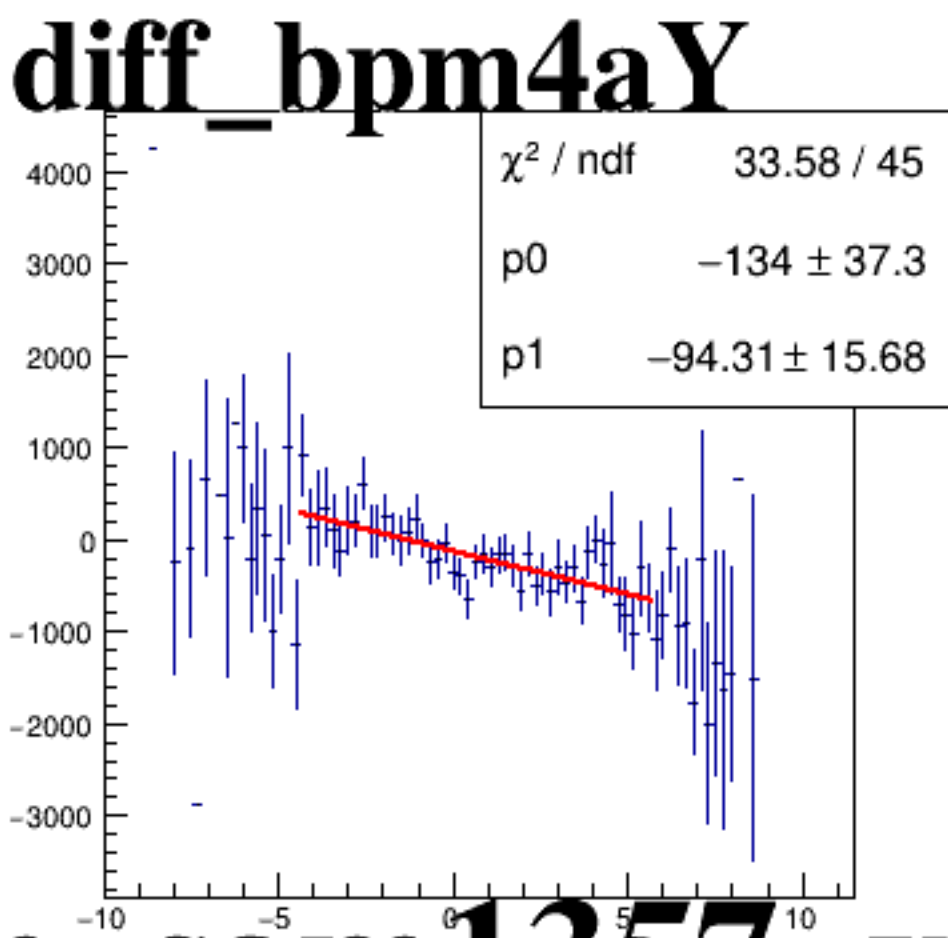
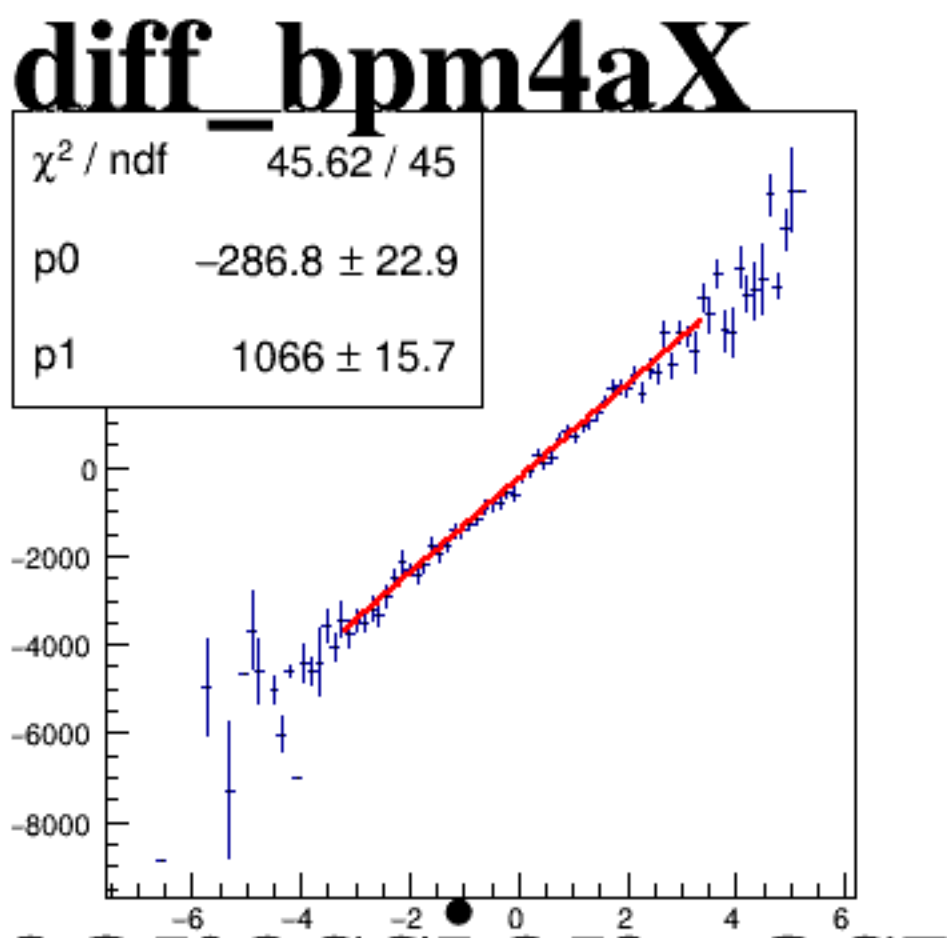
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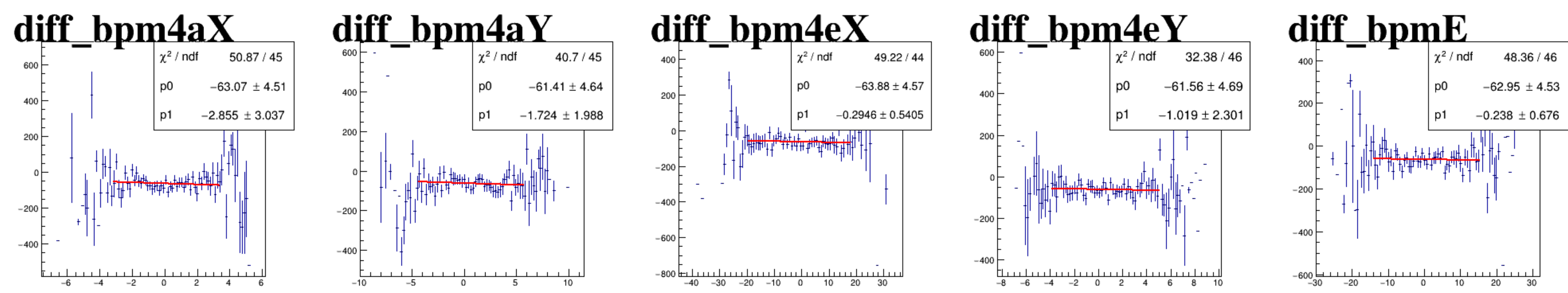
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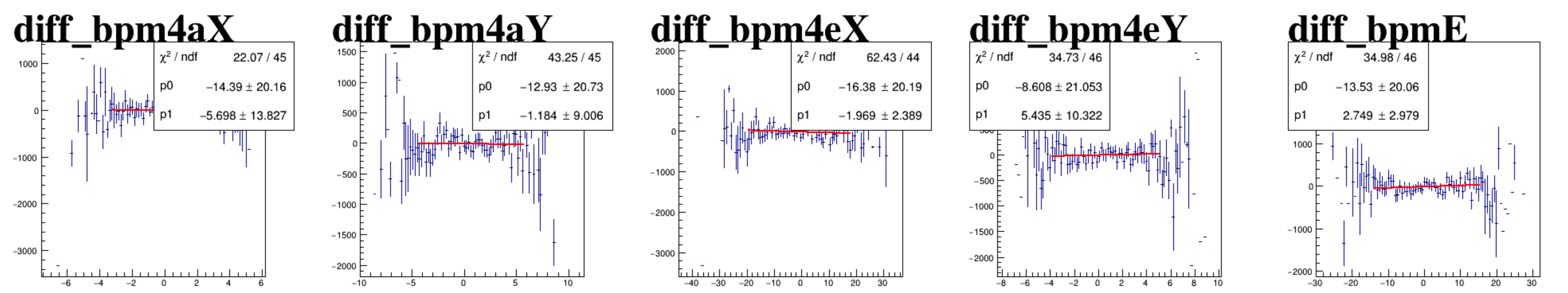
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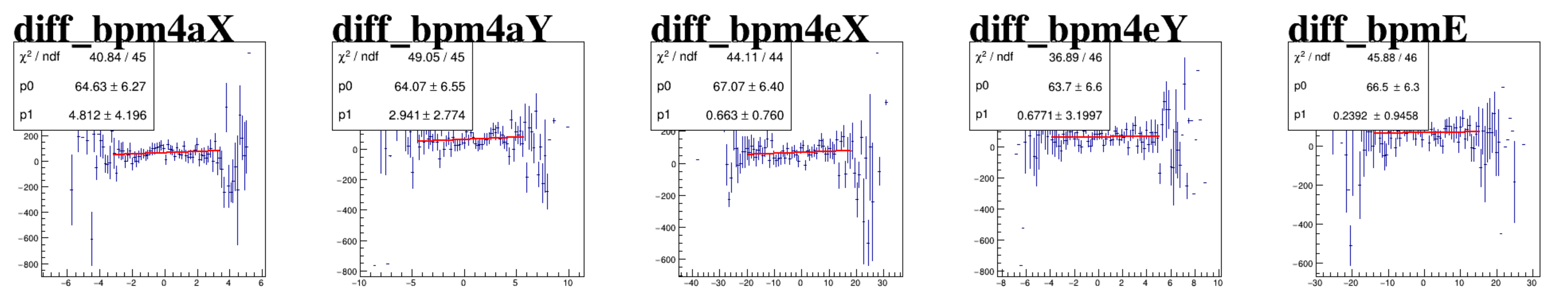
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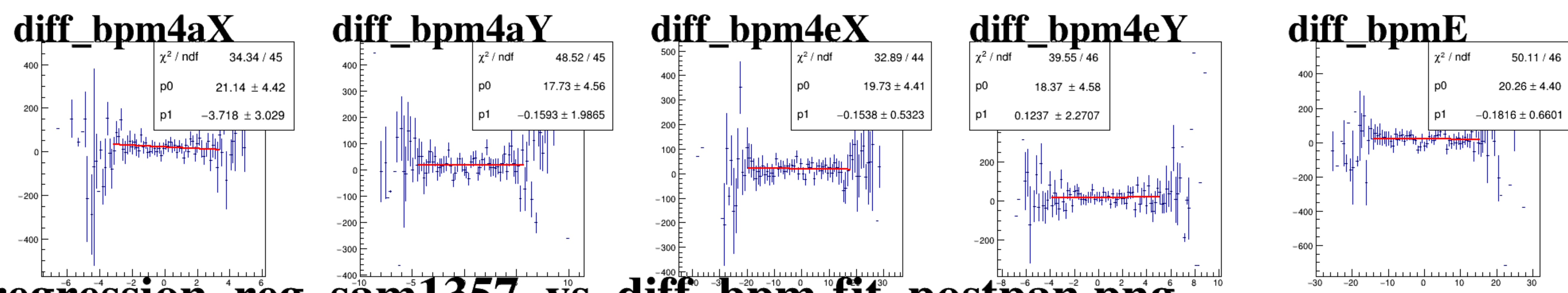
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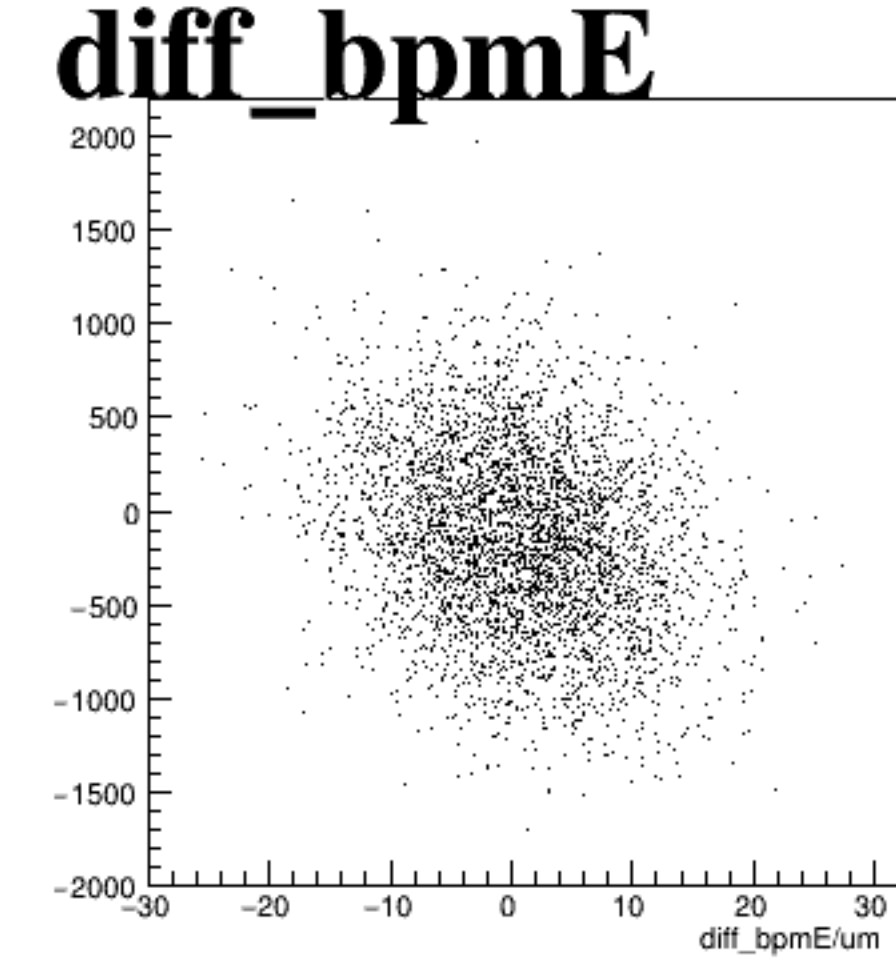
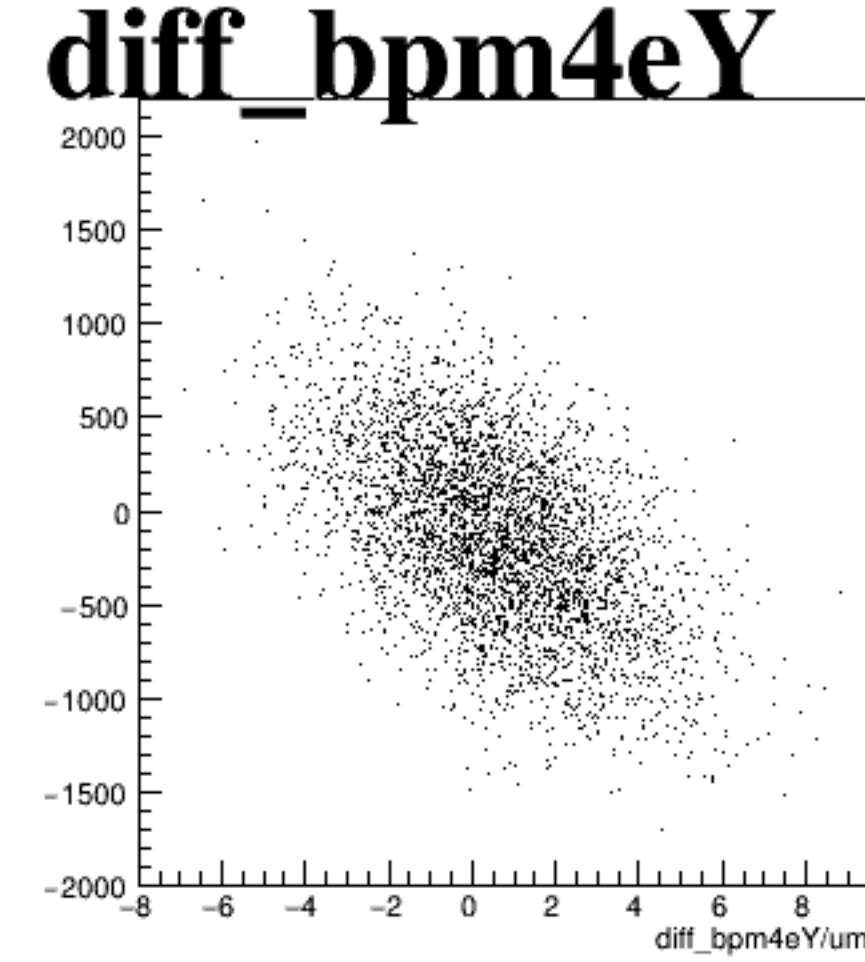
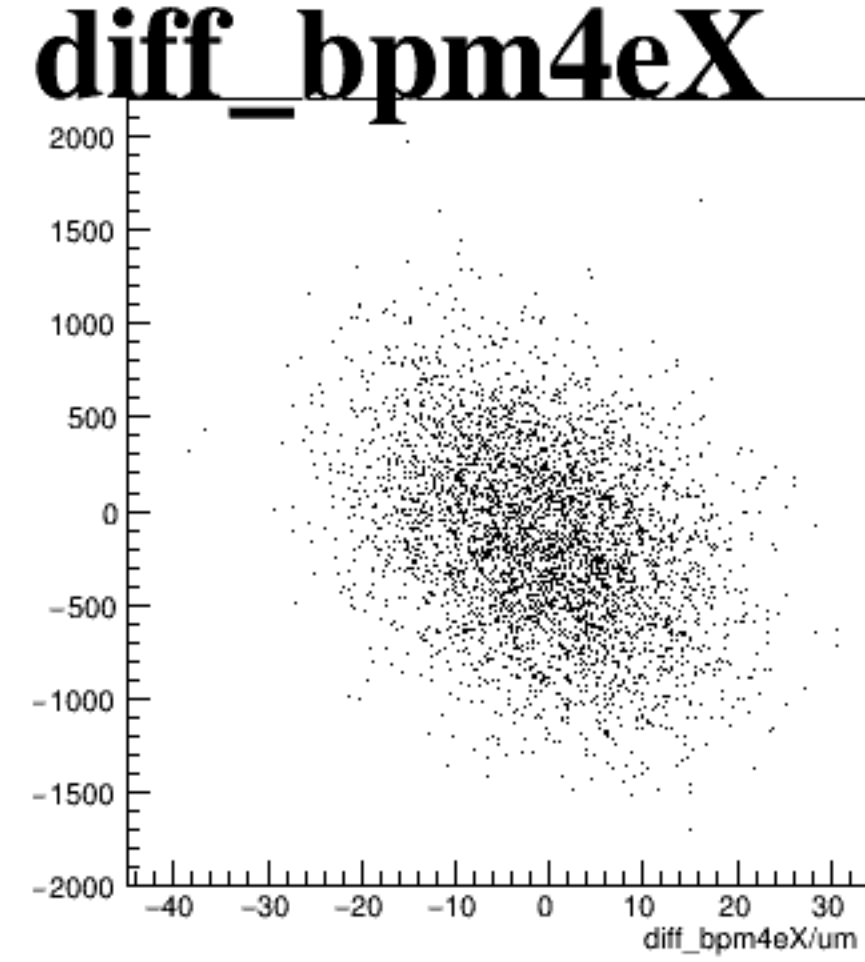
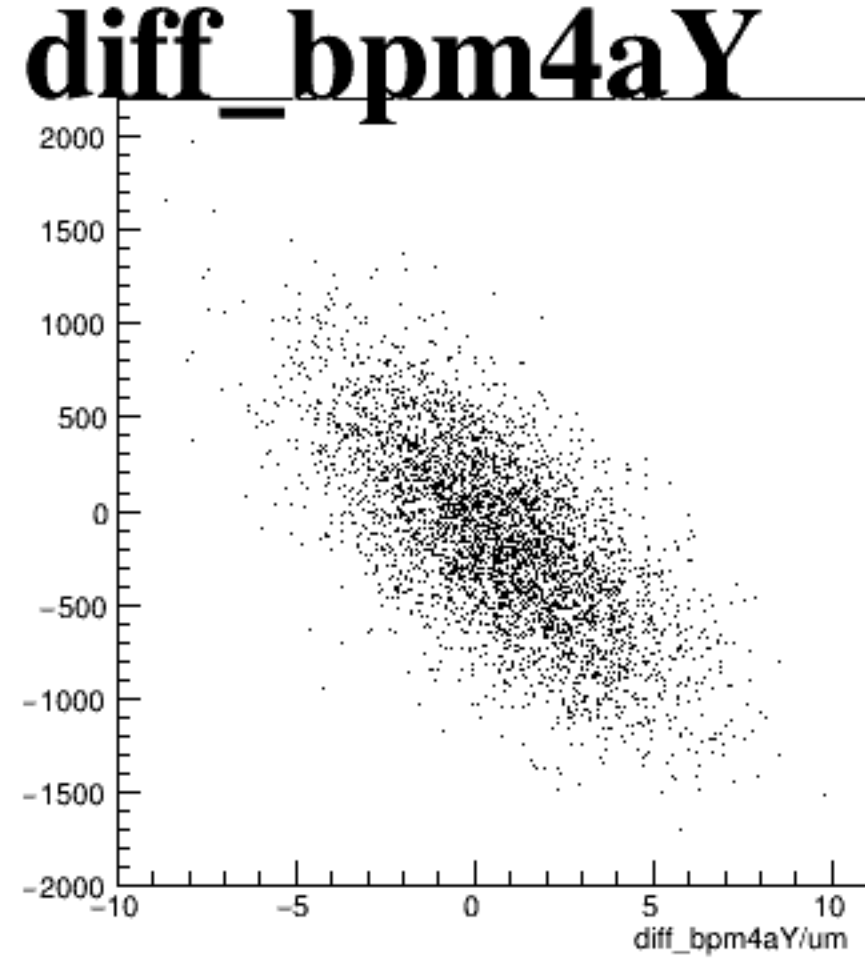
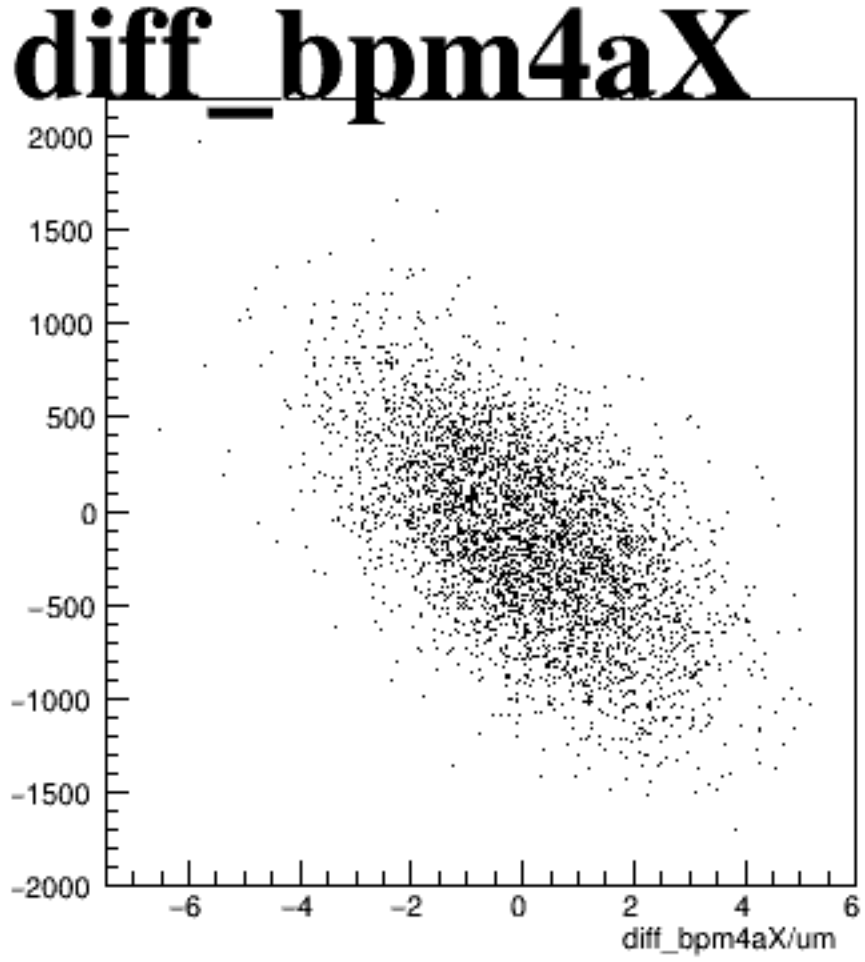
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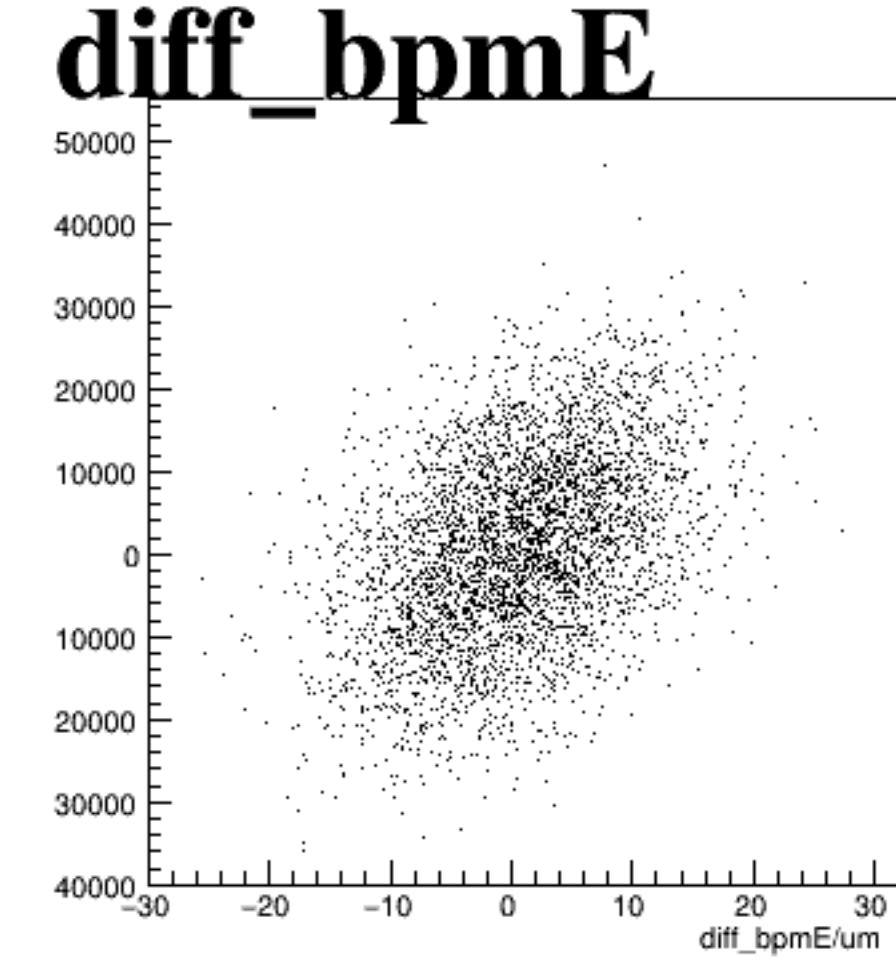
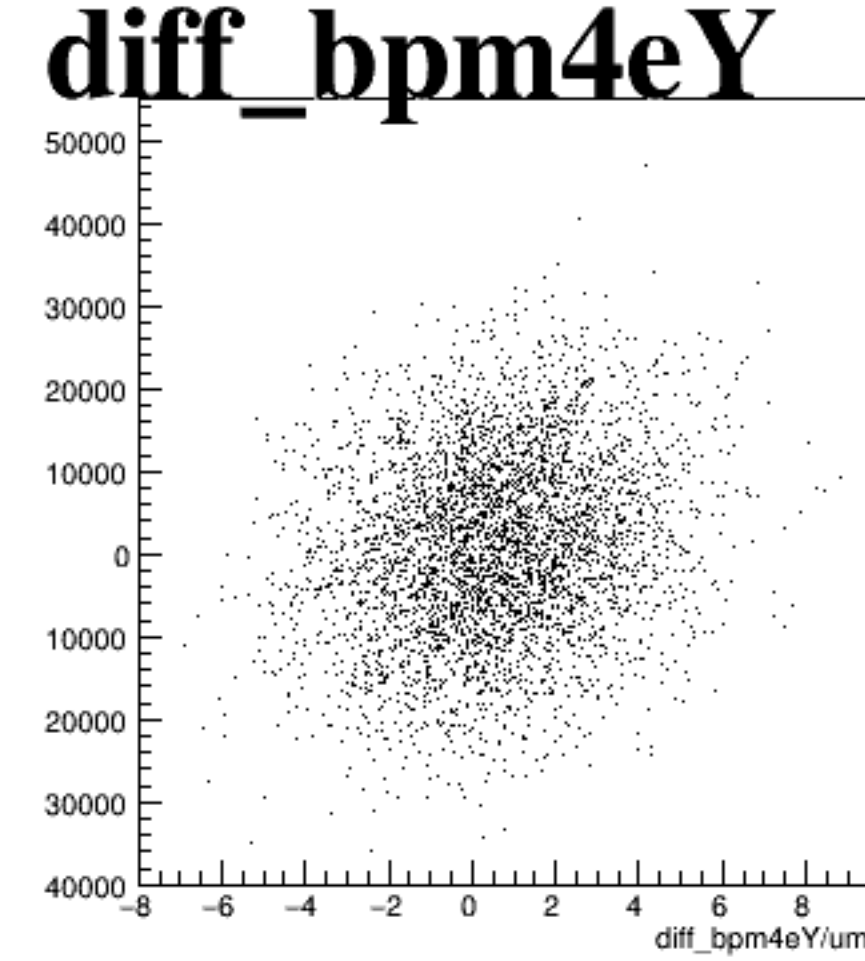
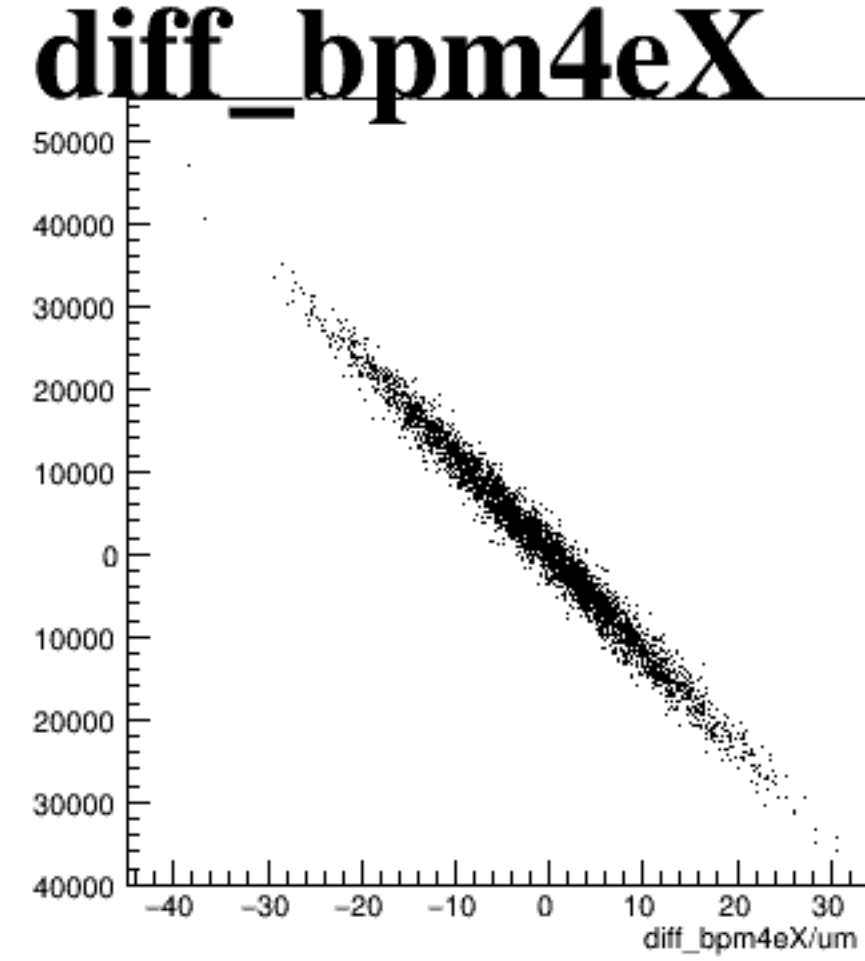
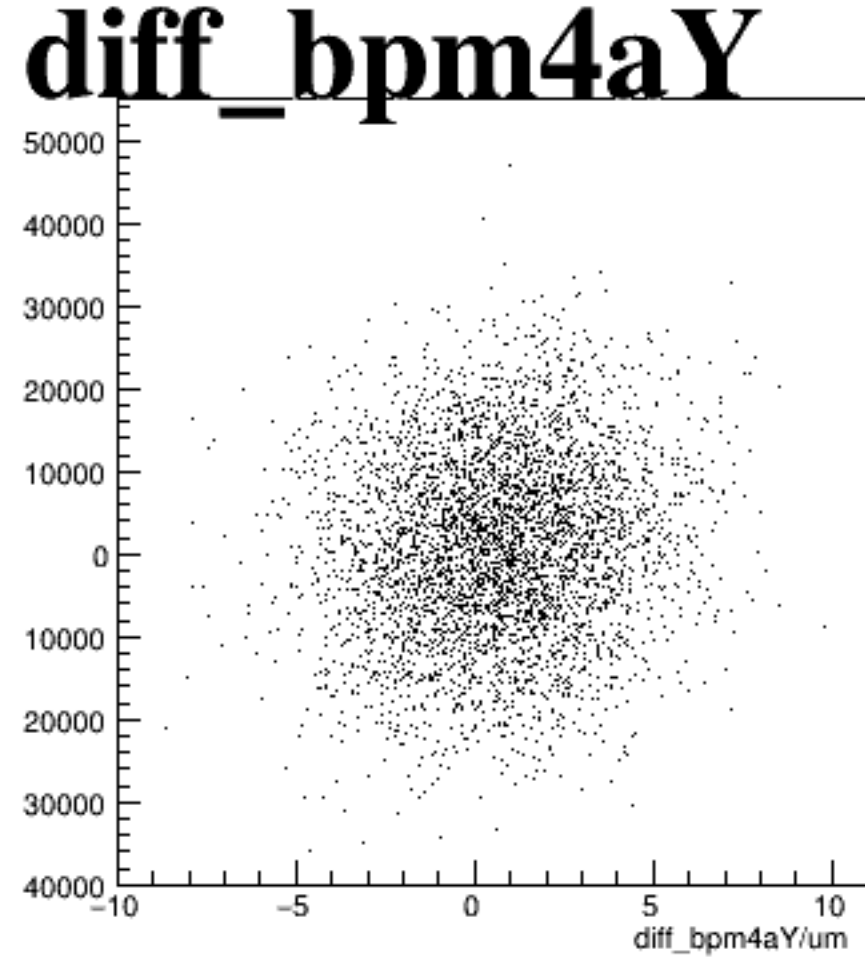
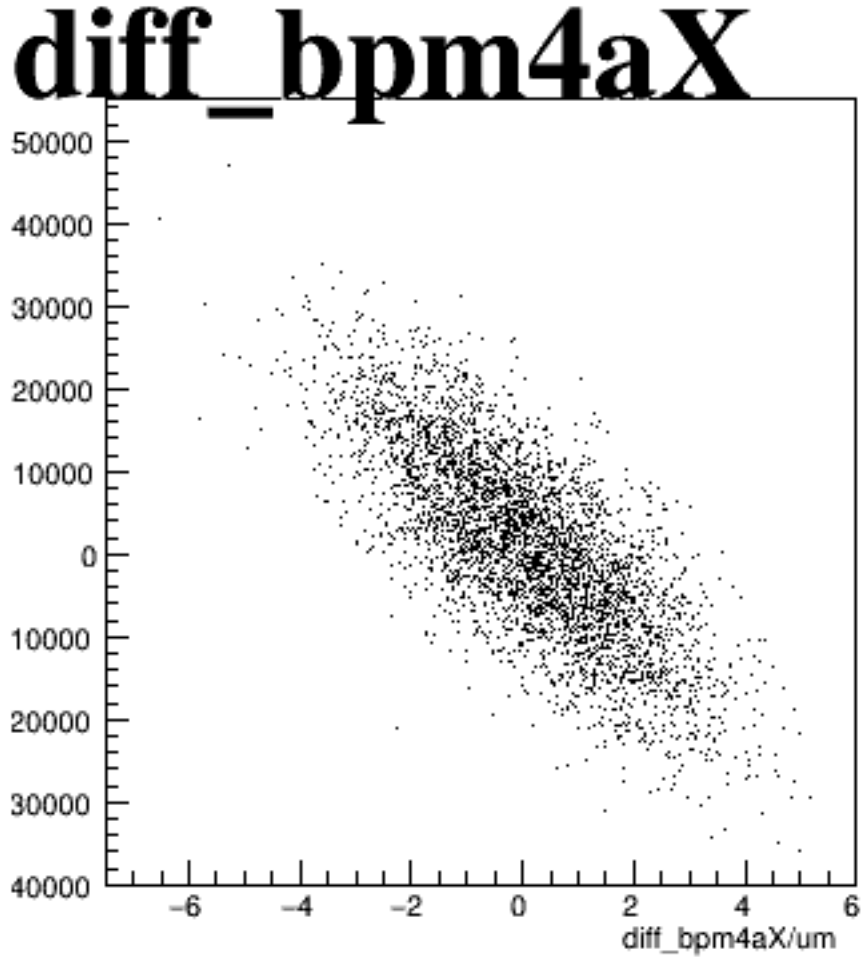
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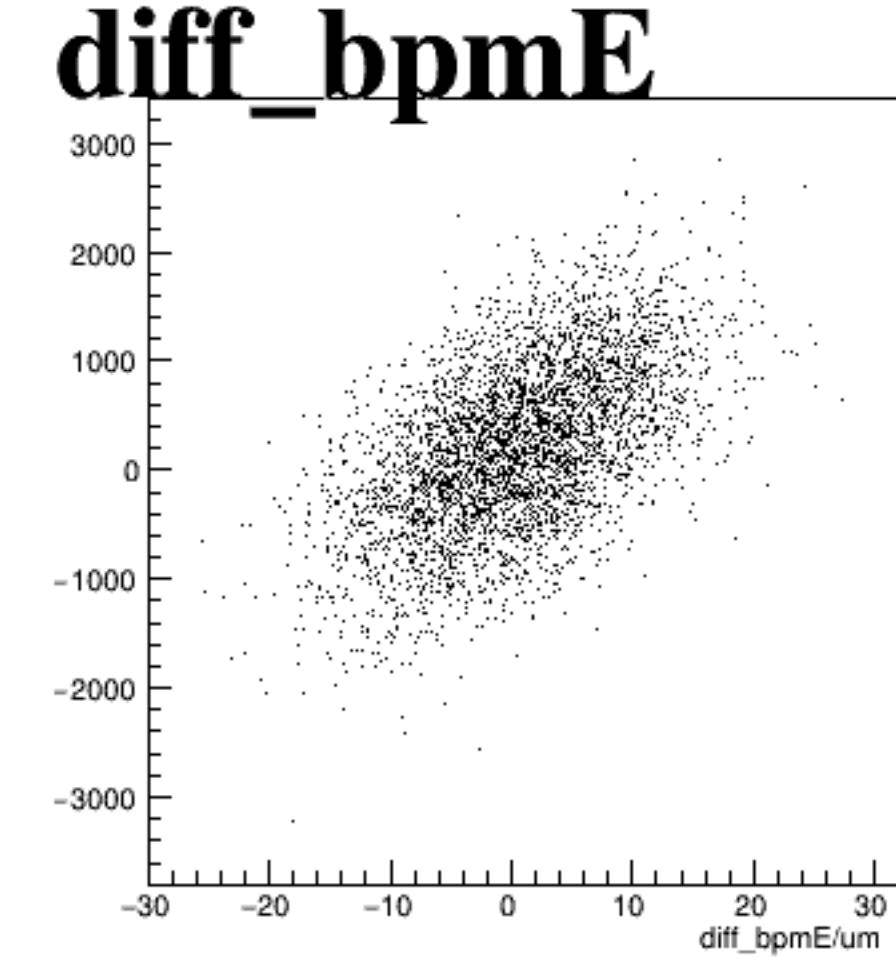
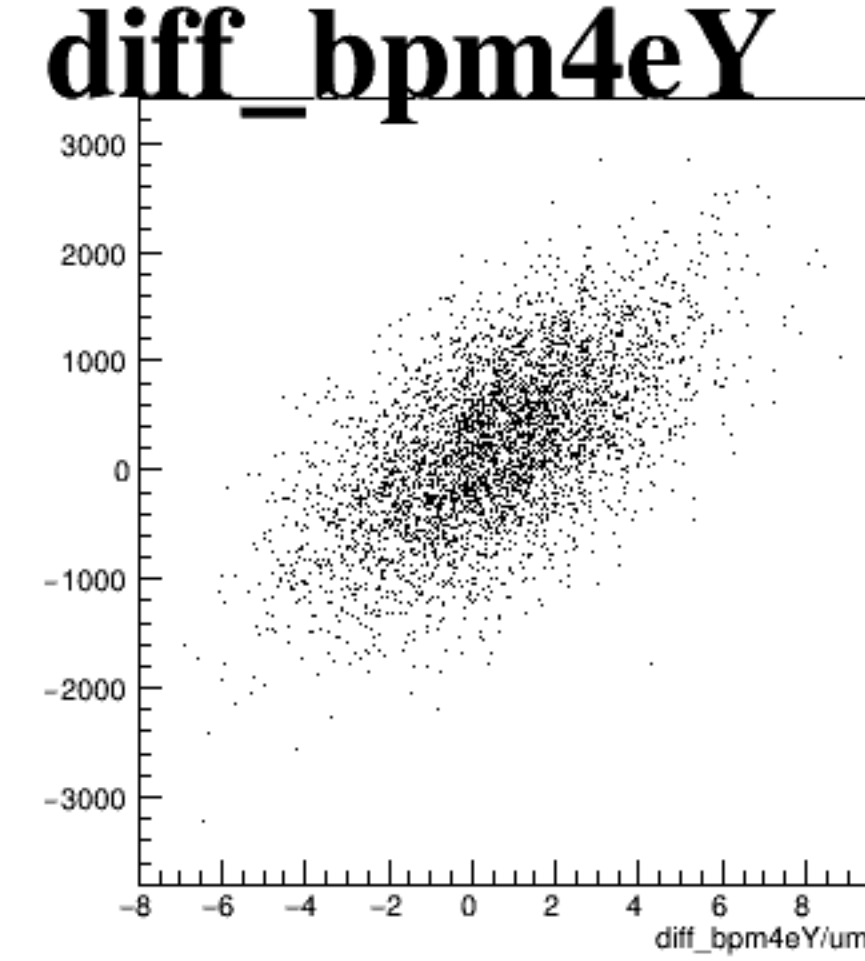
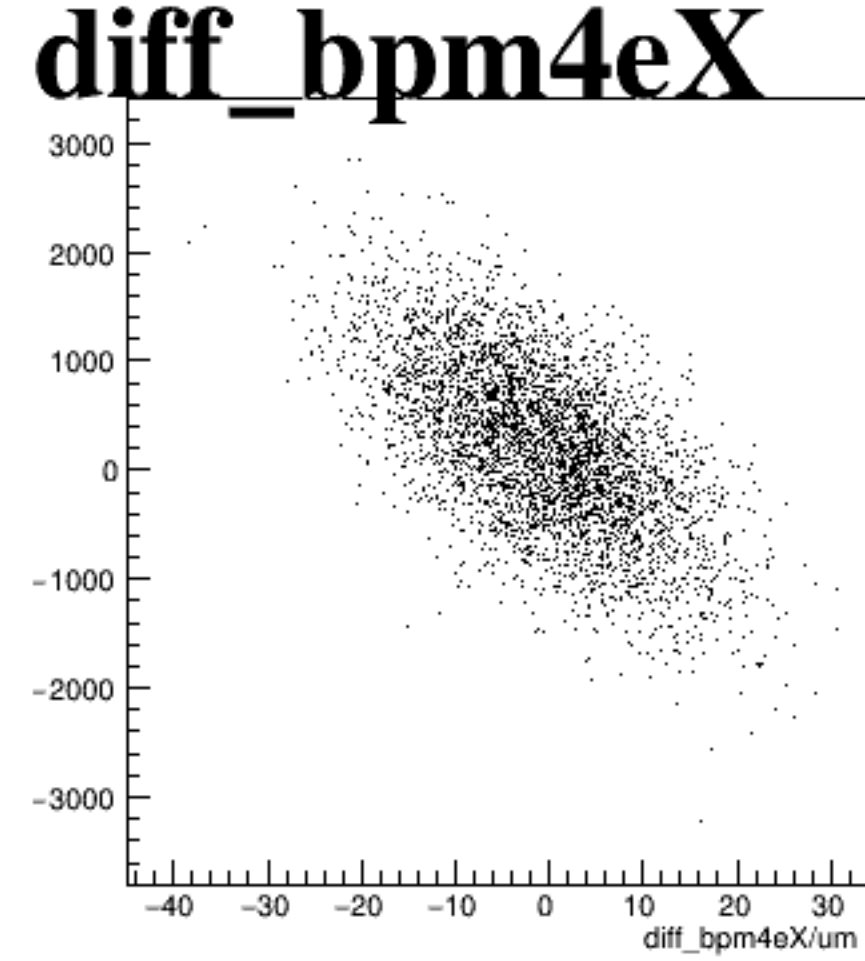
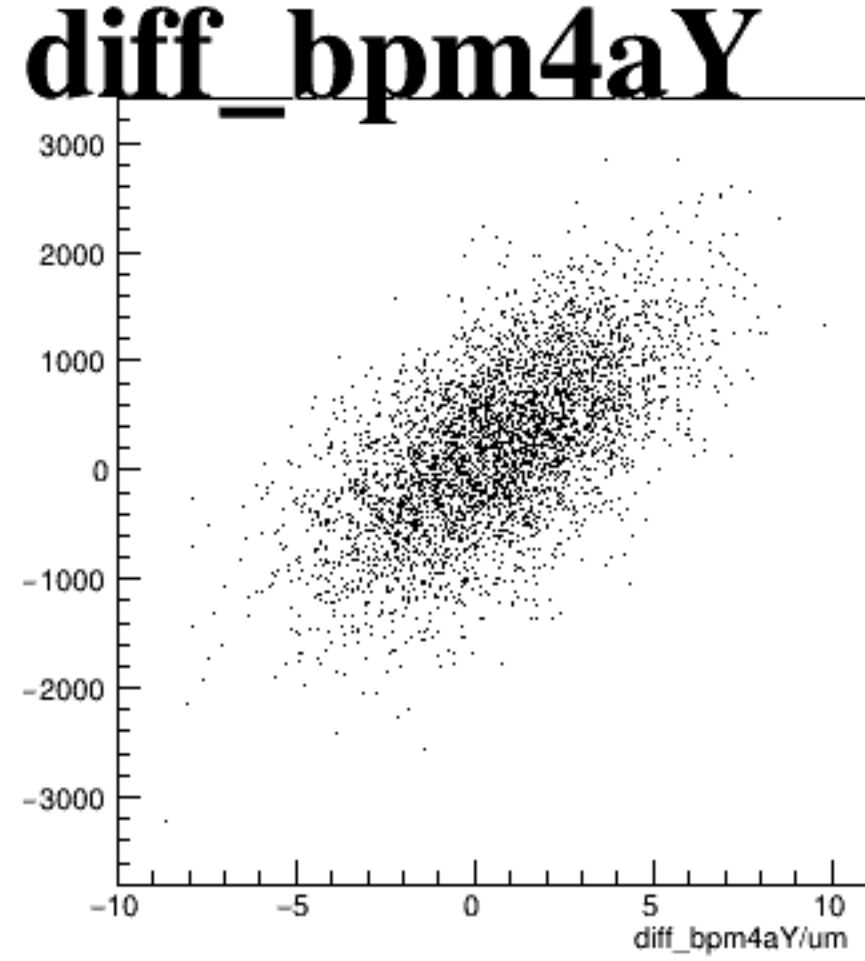
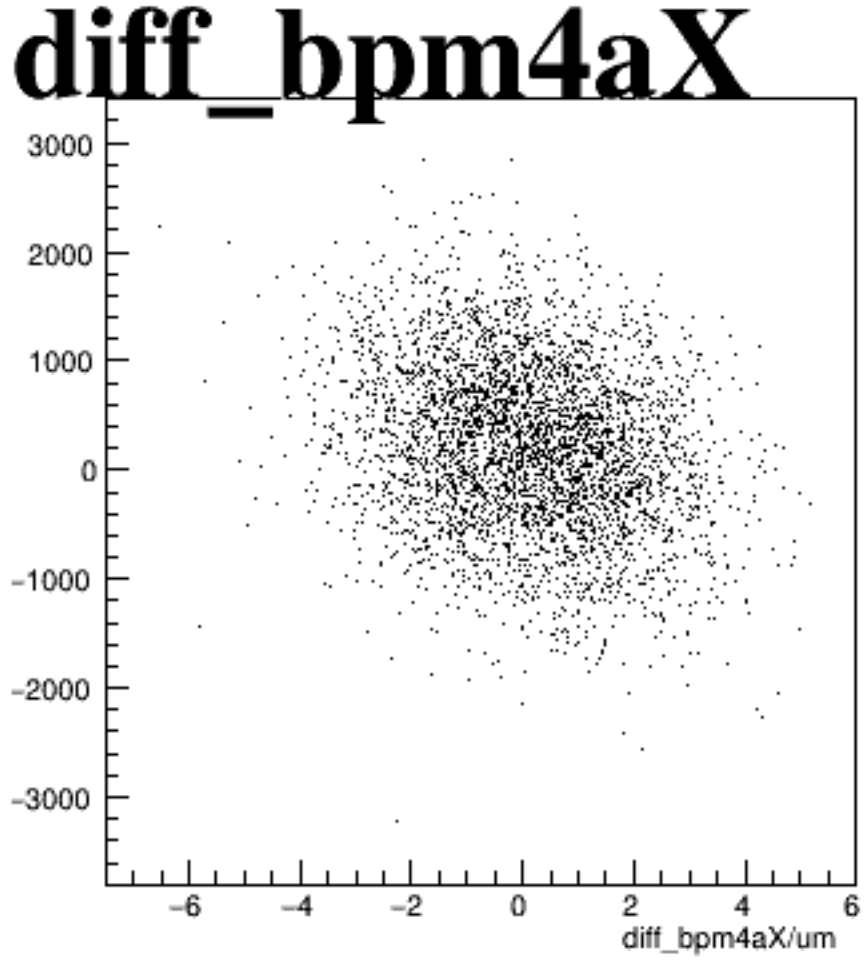
asym_sam1



asym_sam3



asym_sam5



asym_sam7

