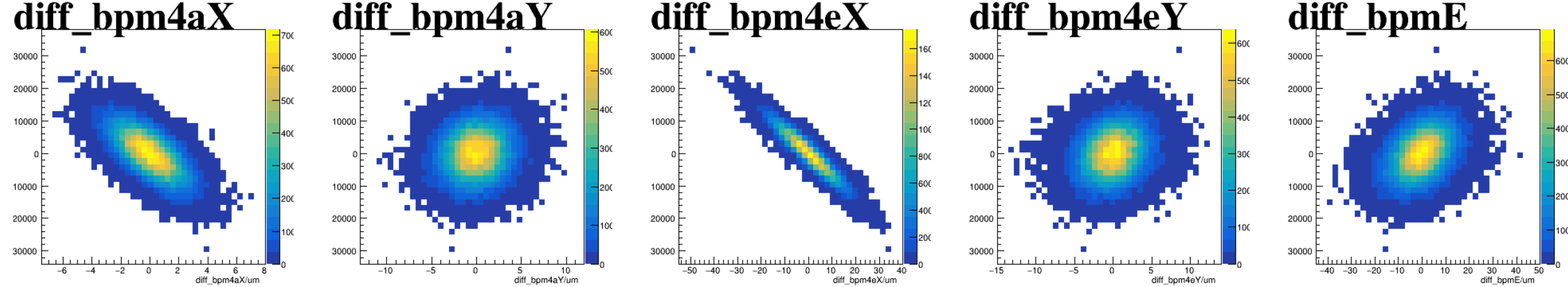
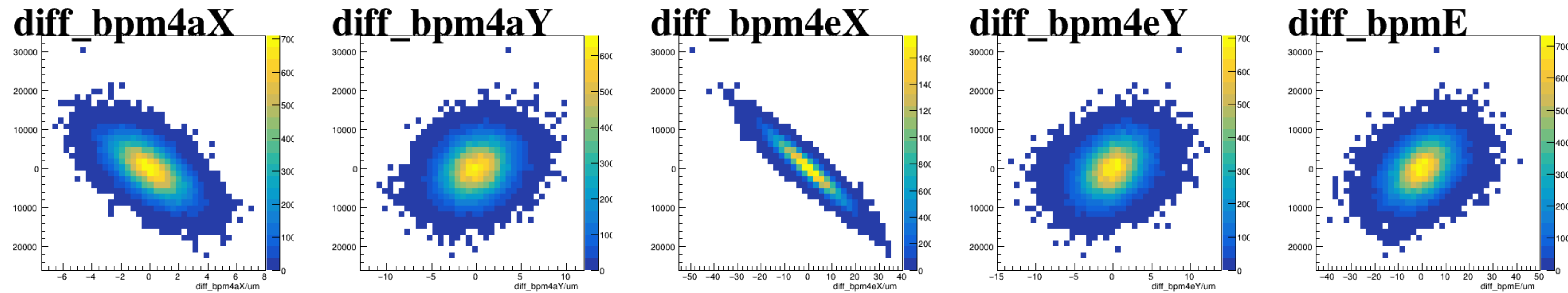


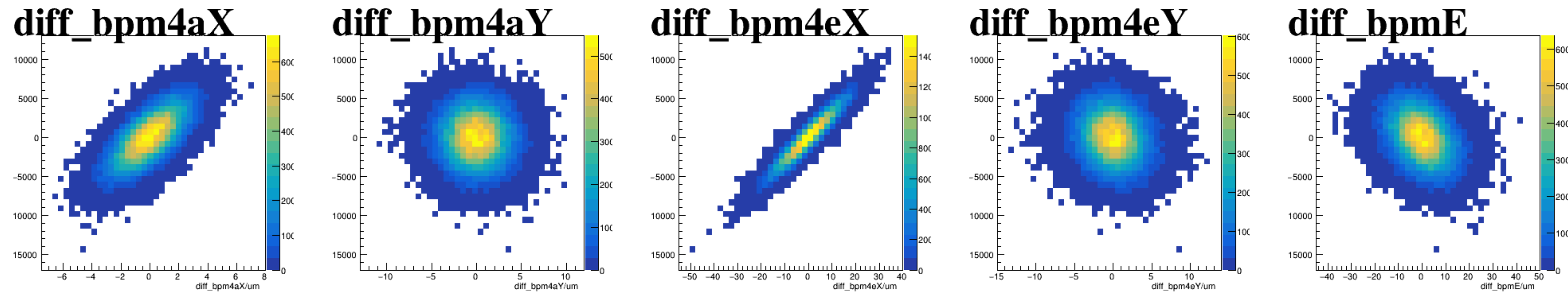
asym_sam2



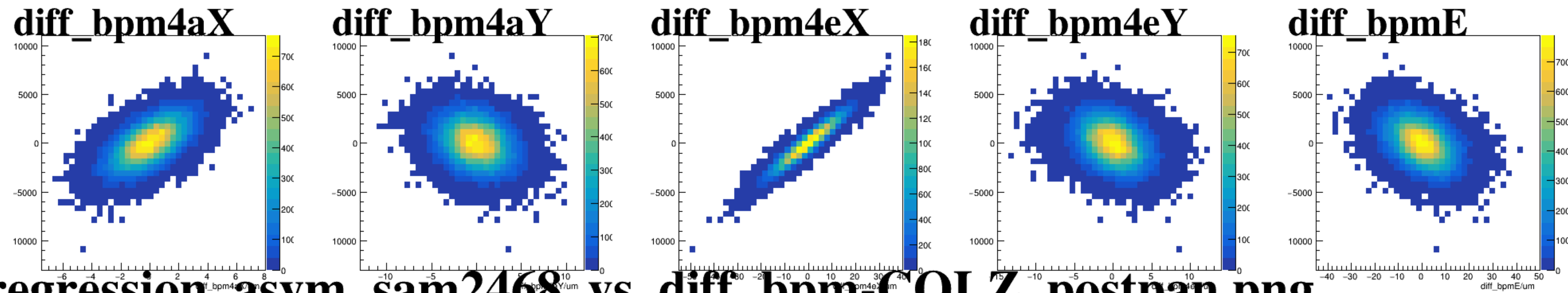
asym_sam4



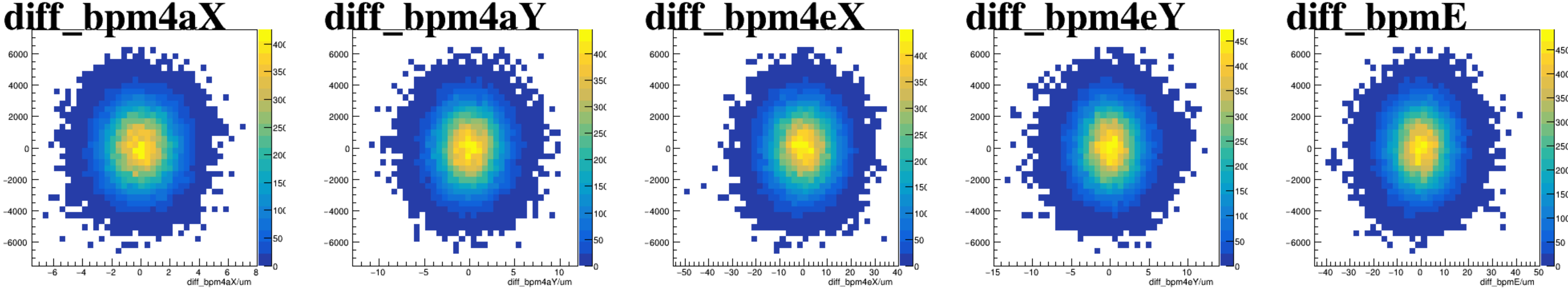
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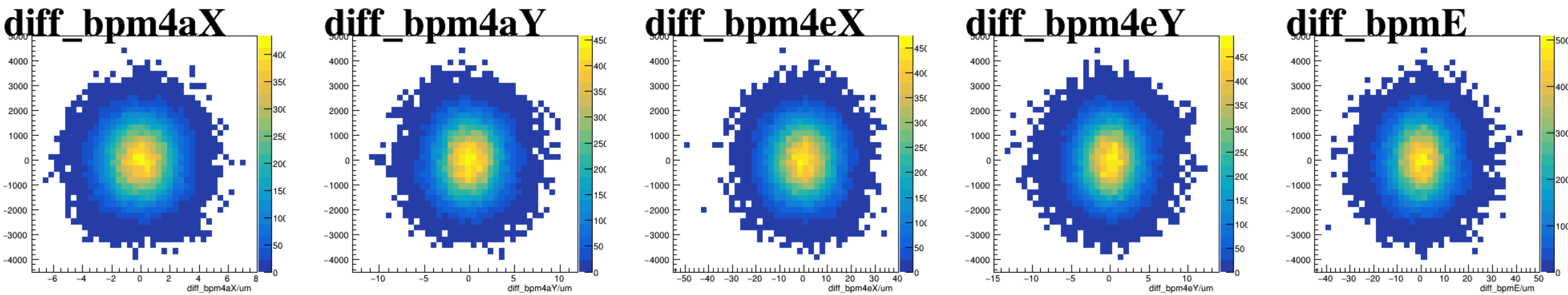
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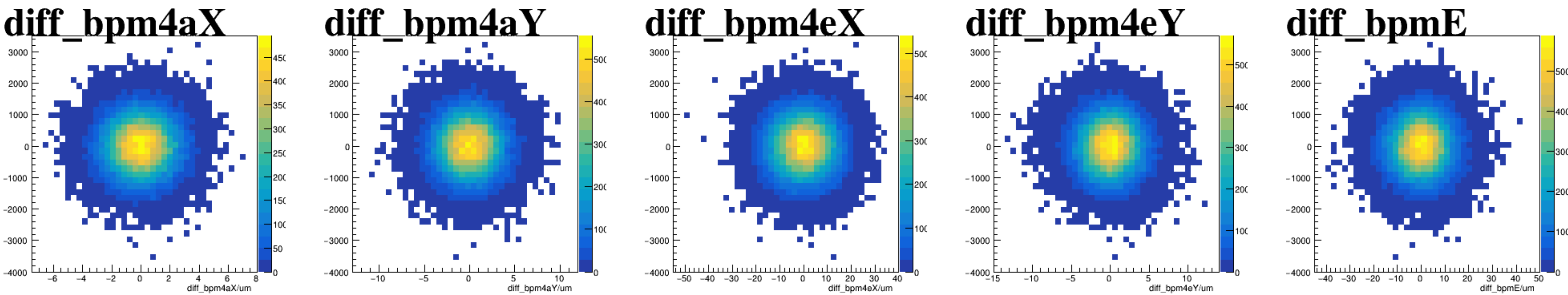
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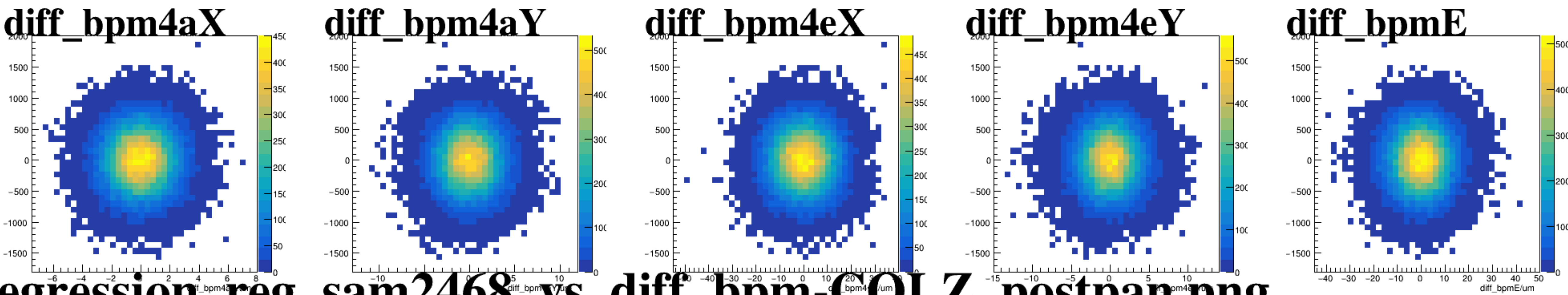
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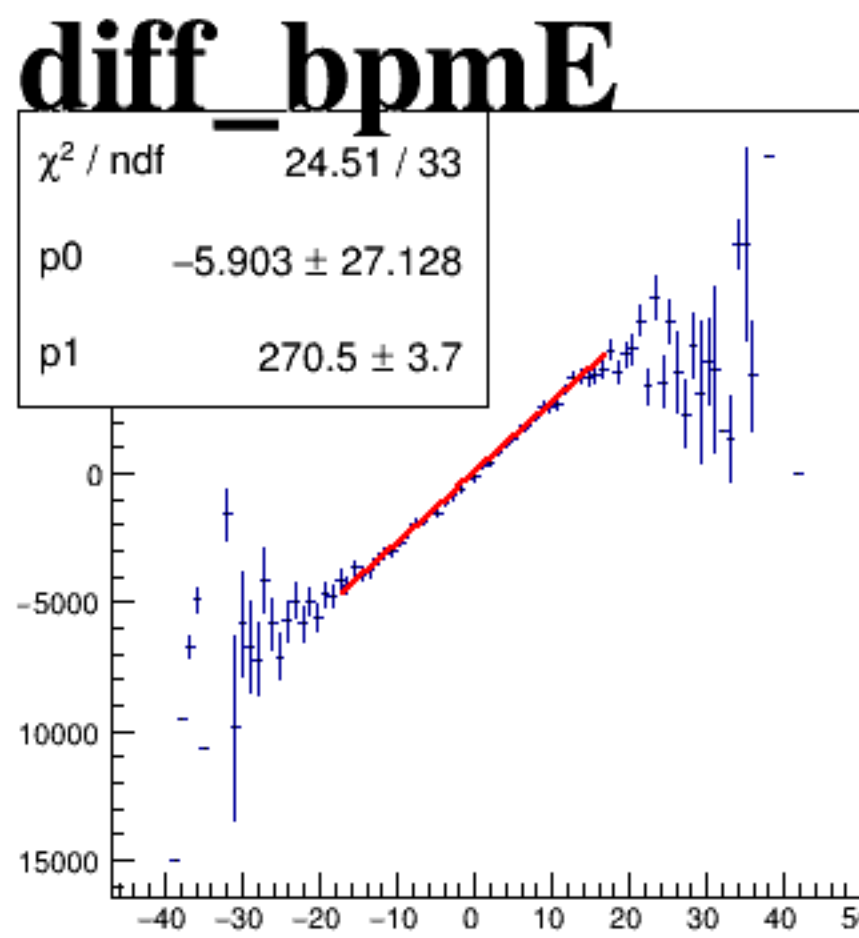
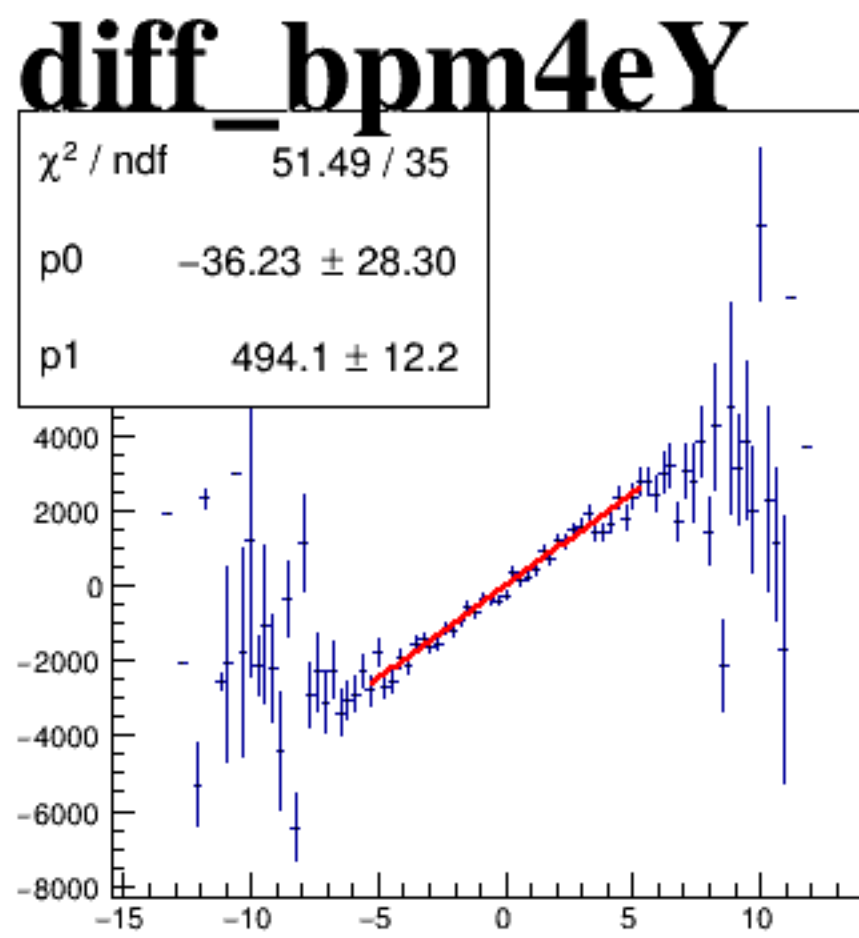
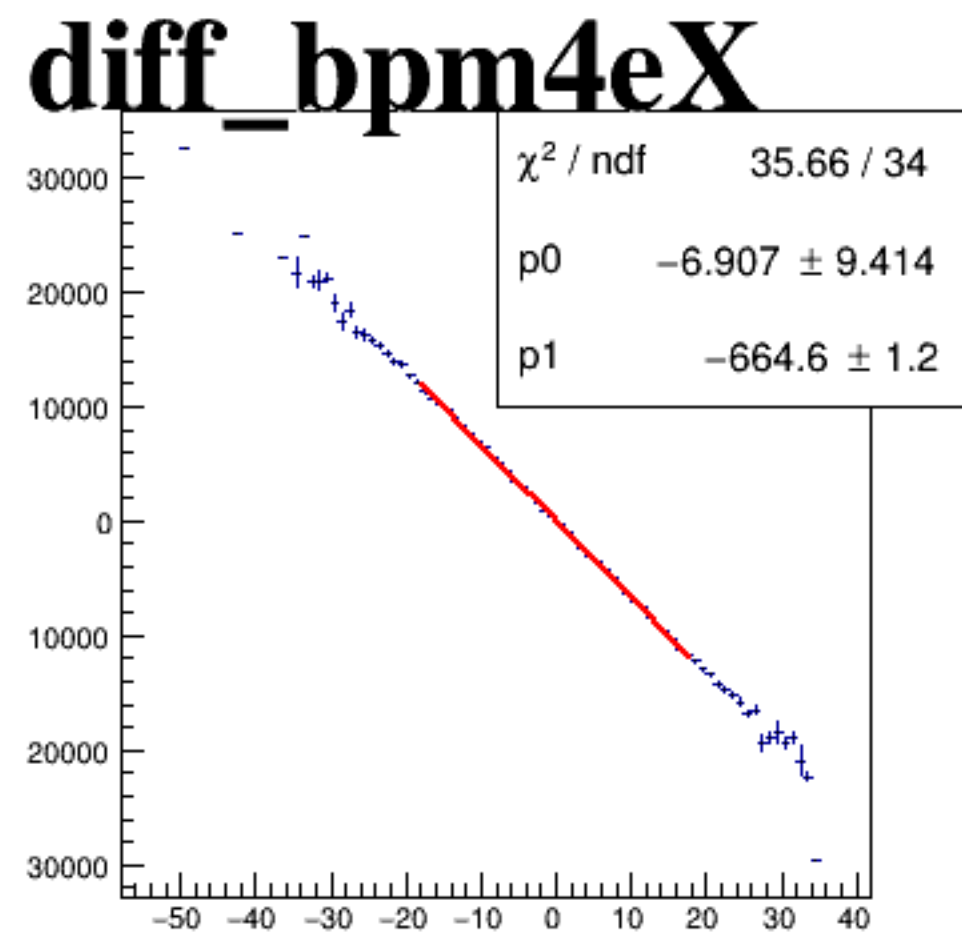
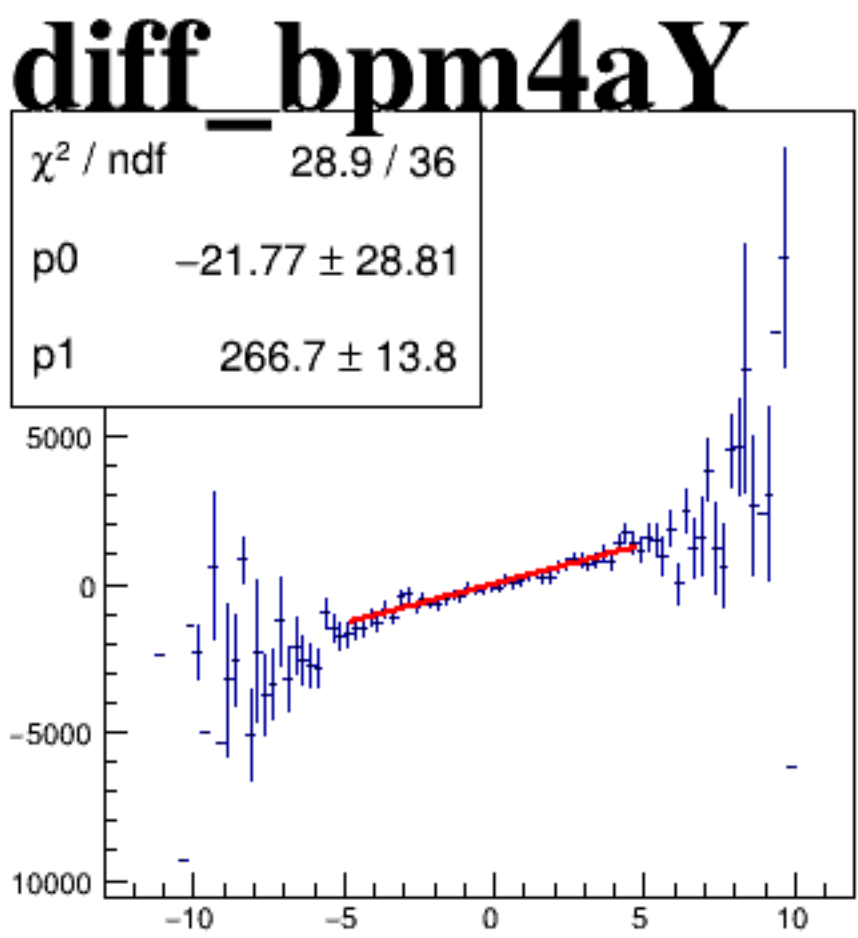
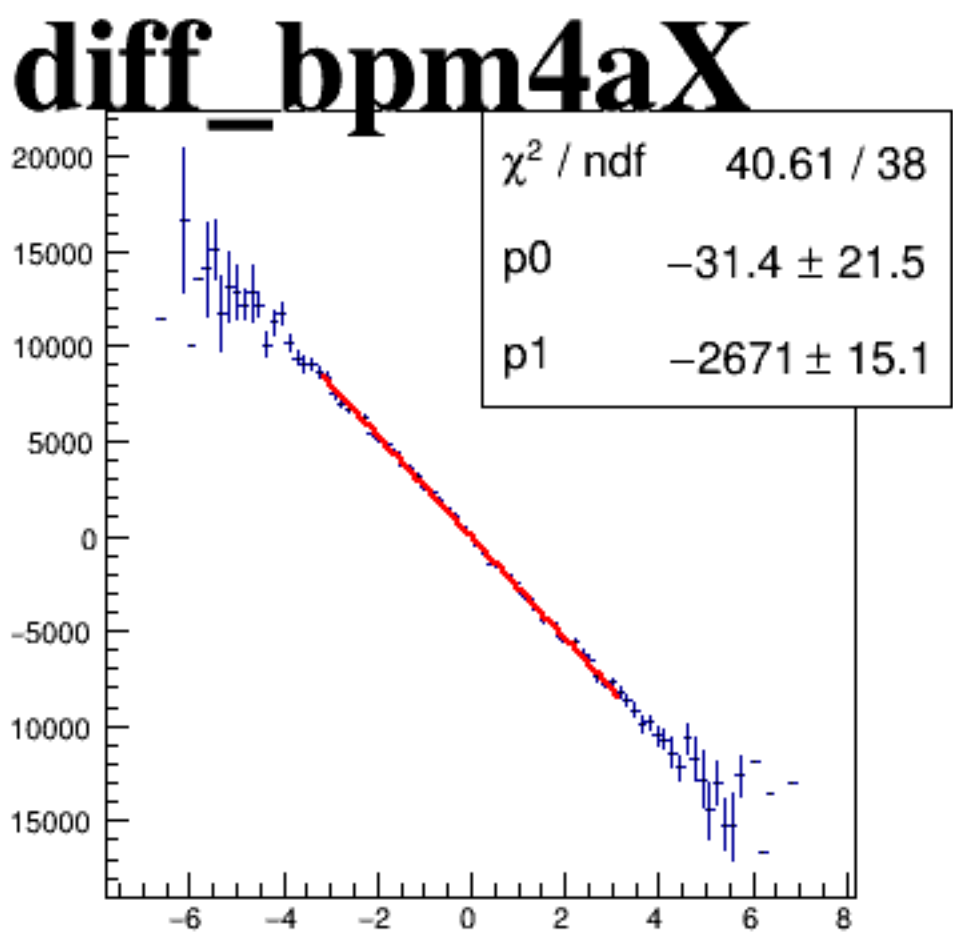
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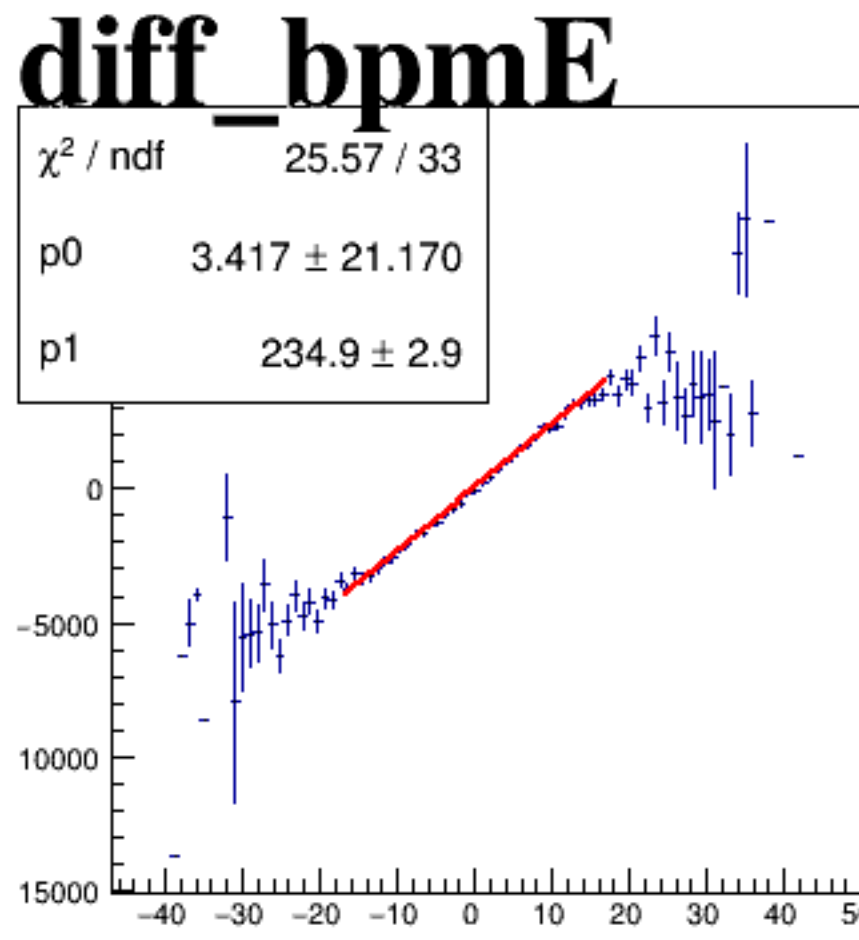
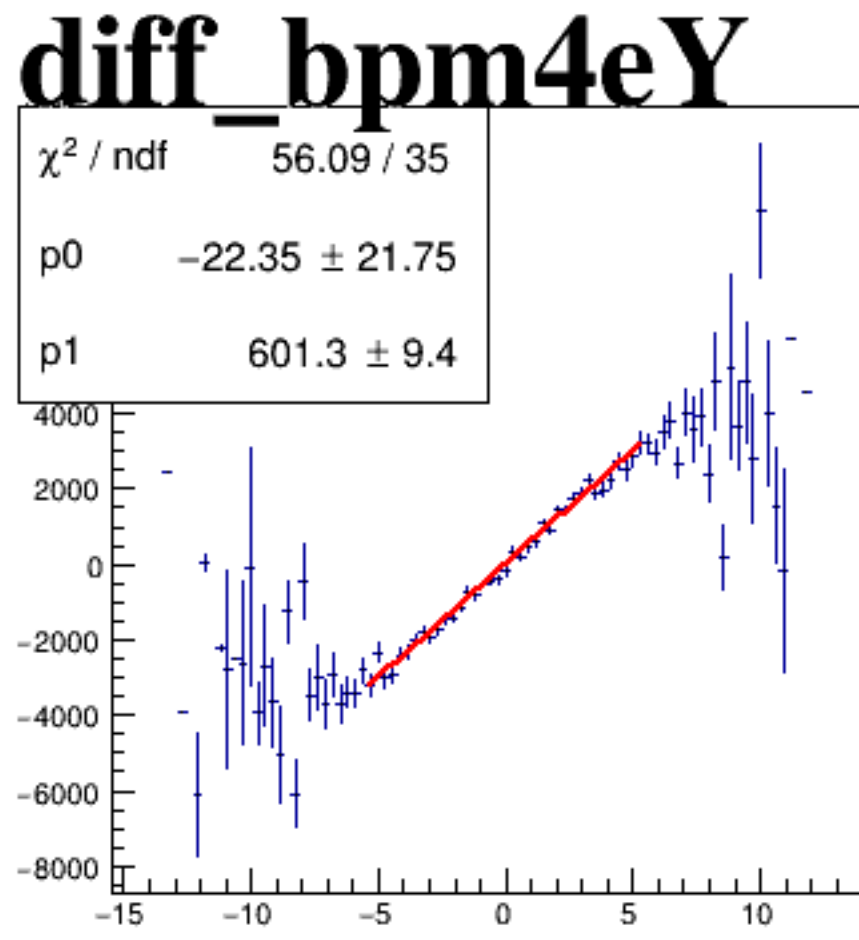
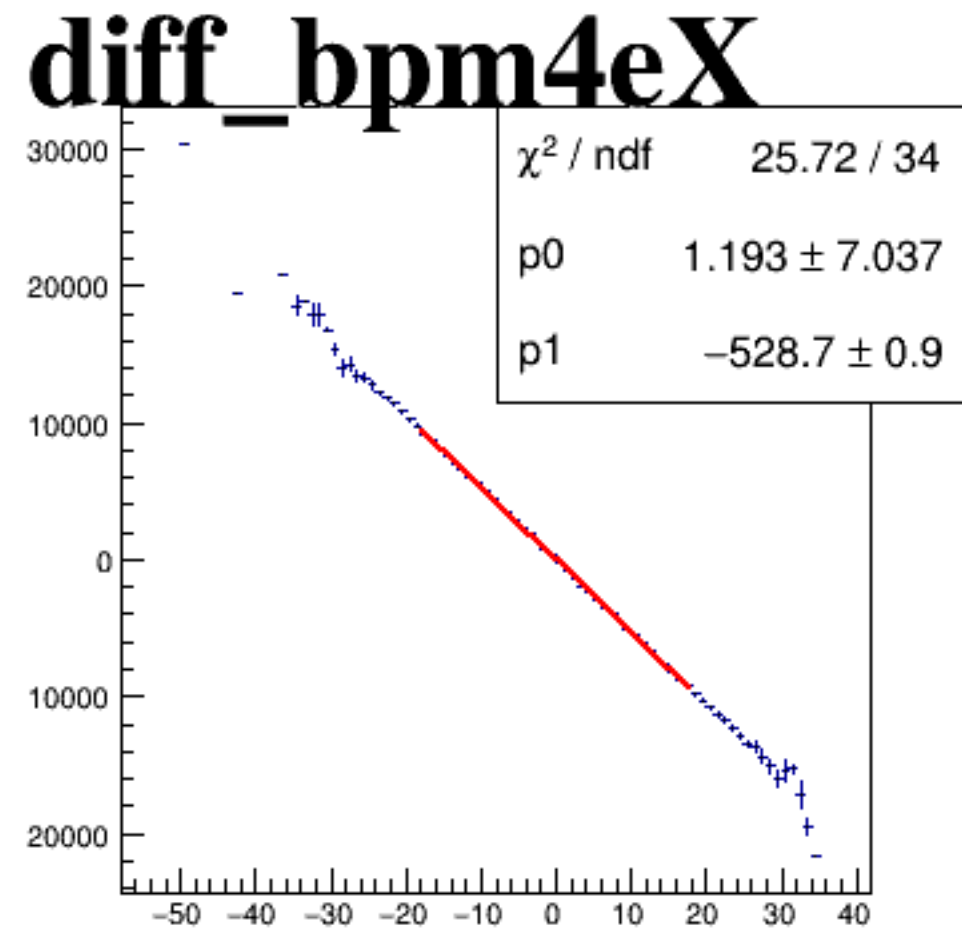
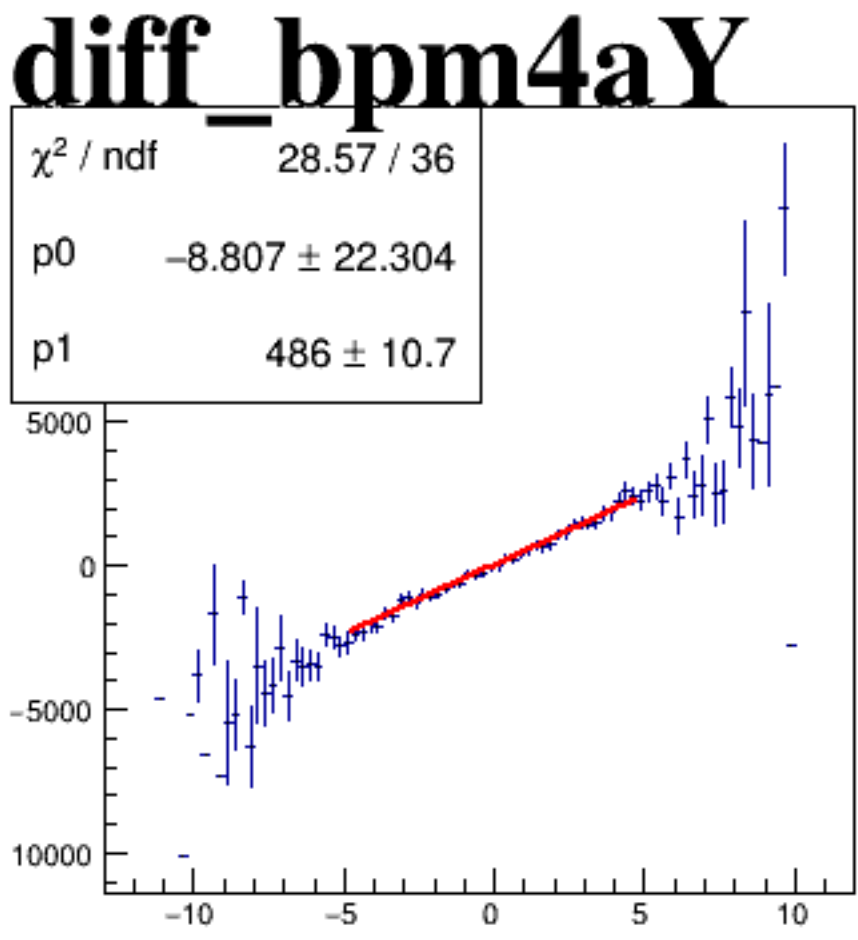
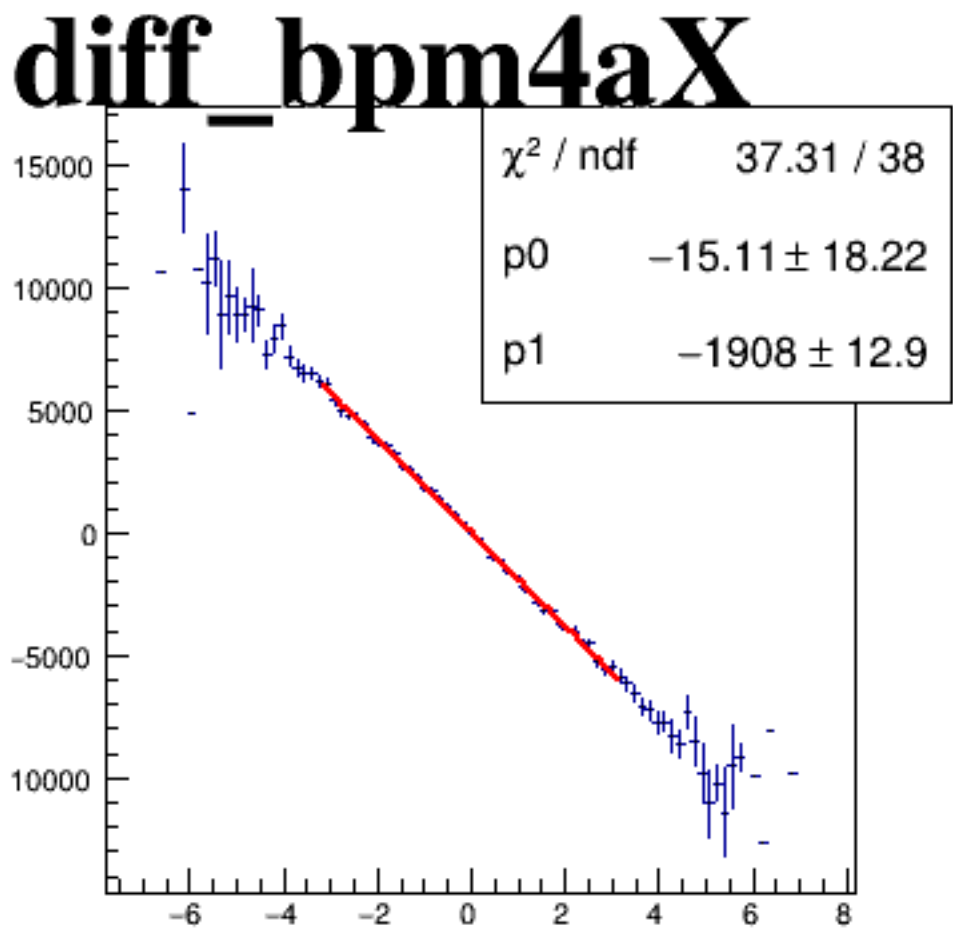
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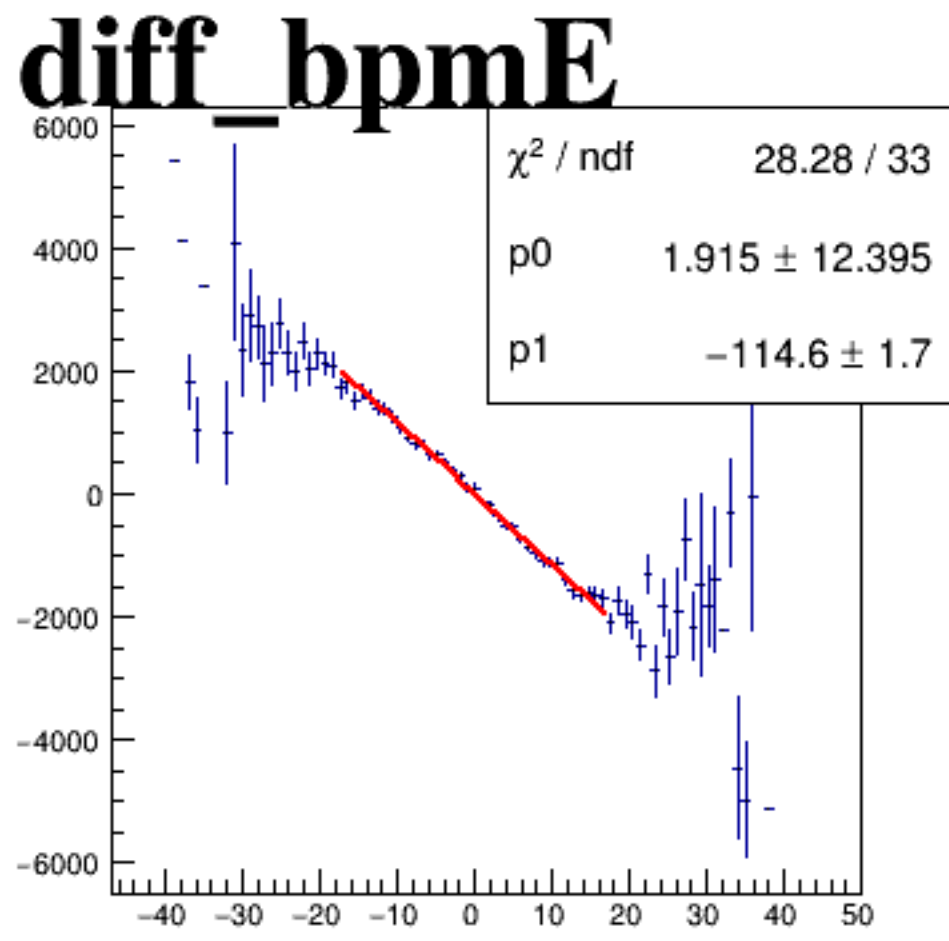
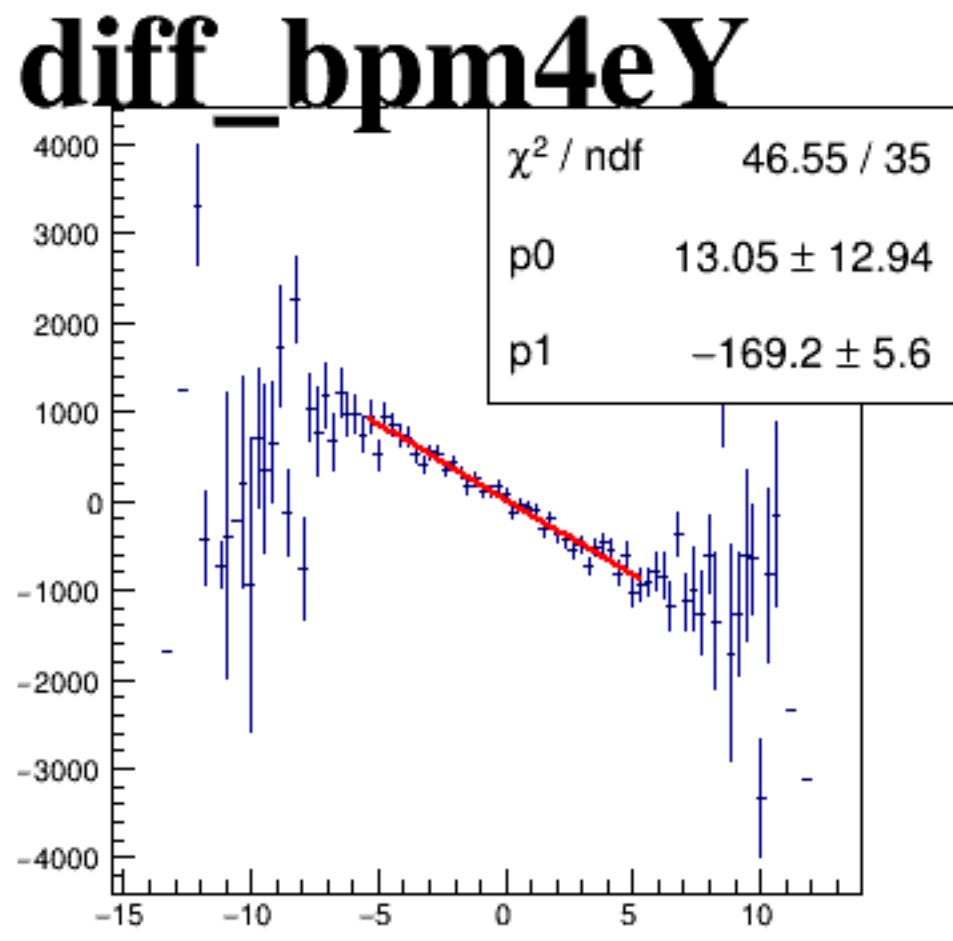
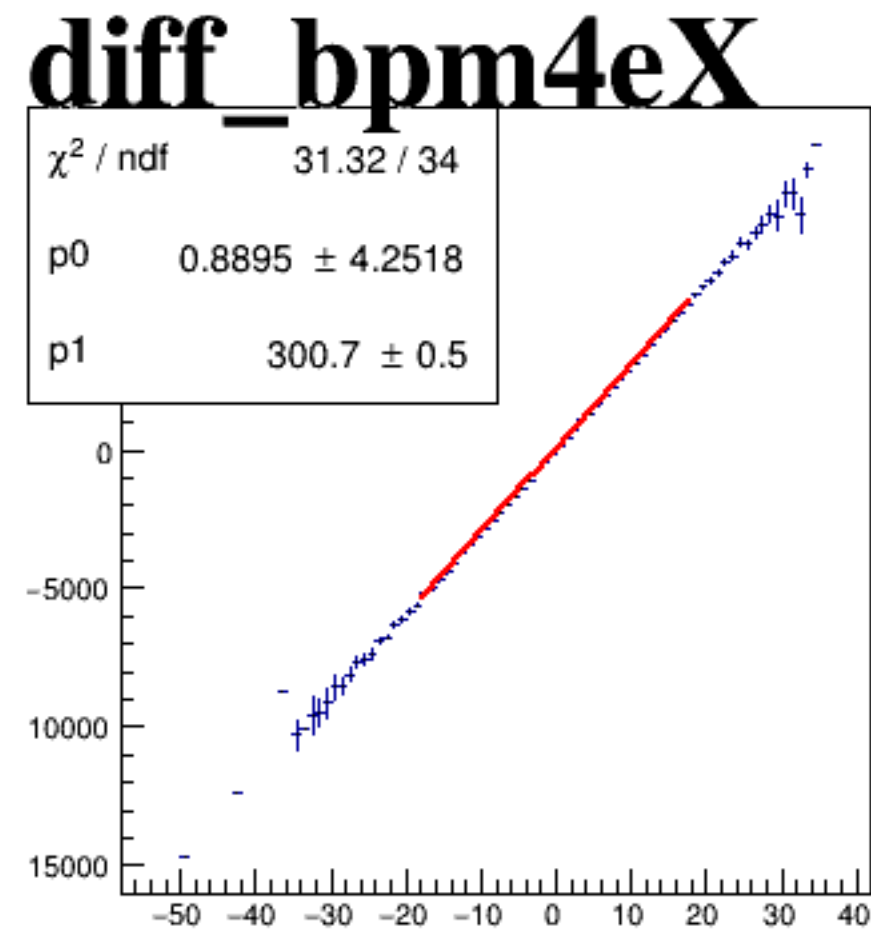
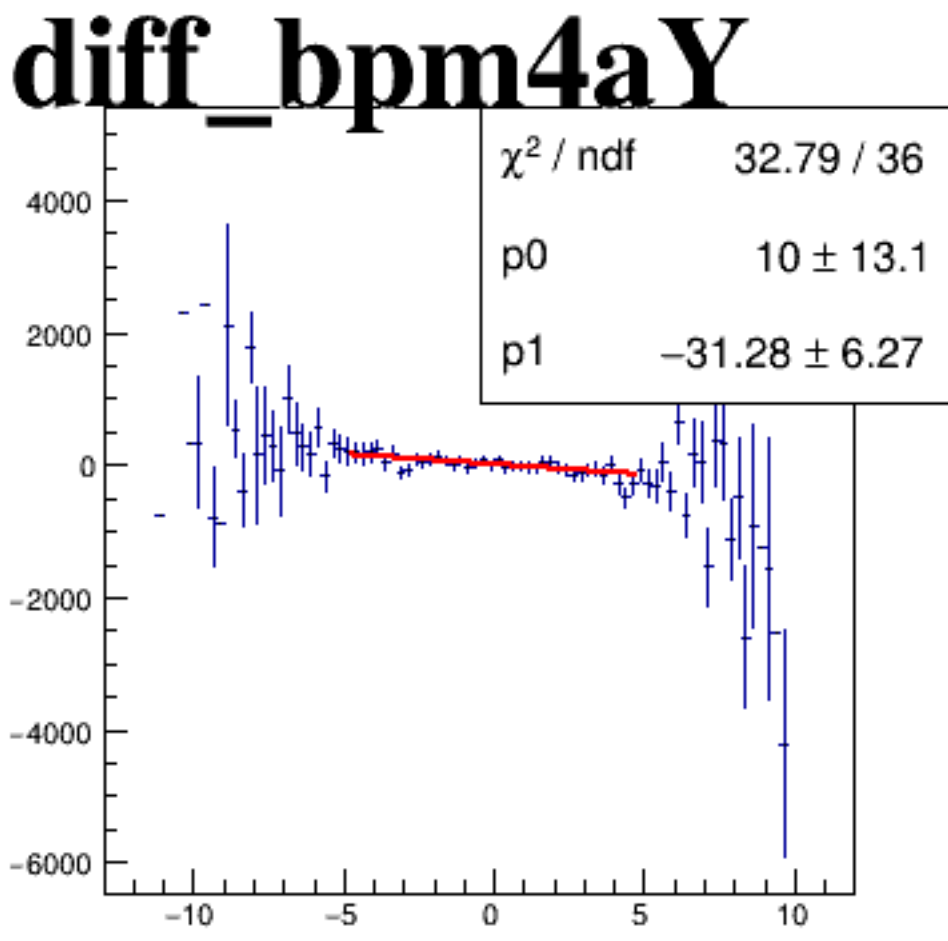
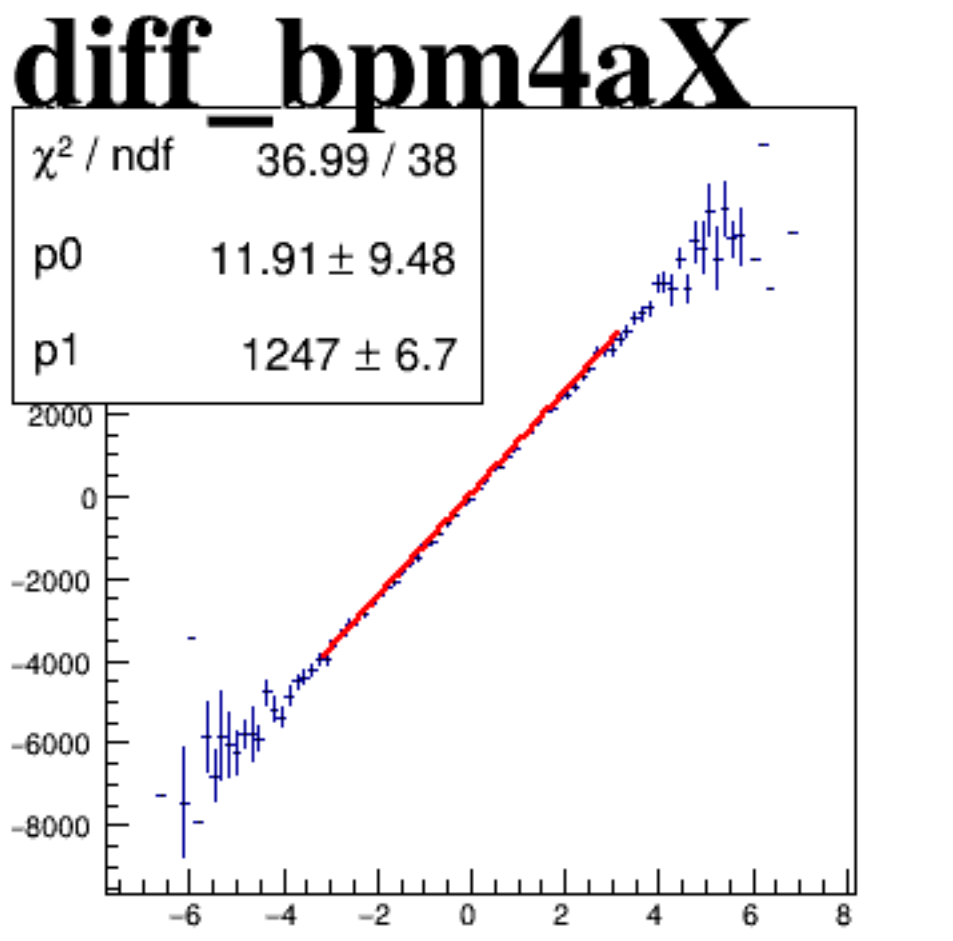
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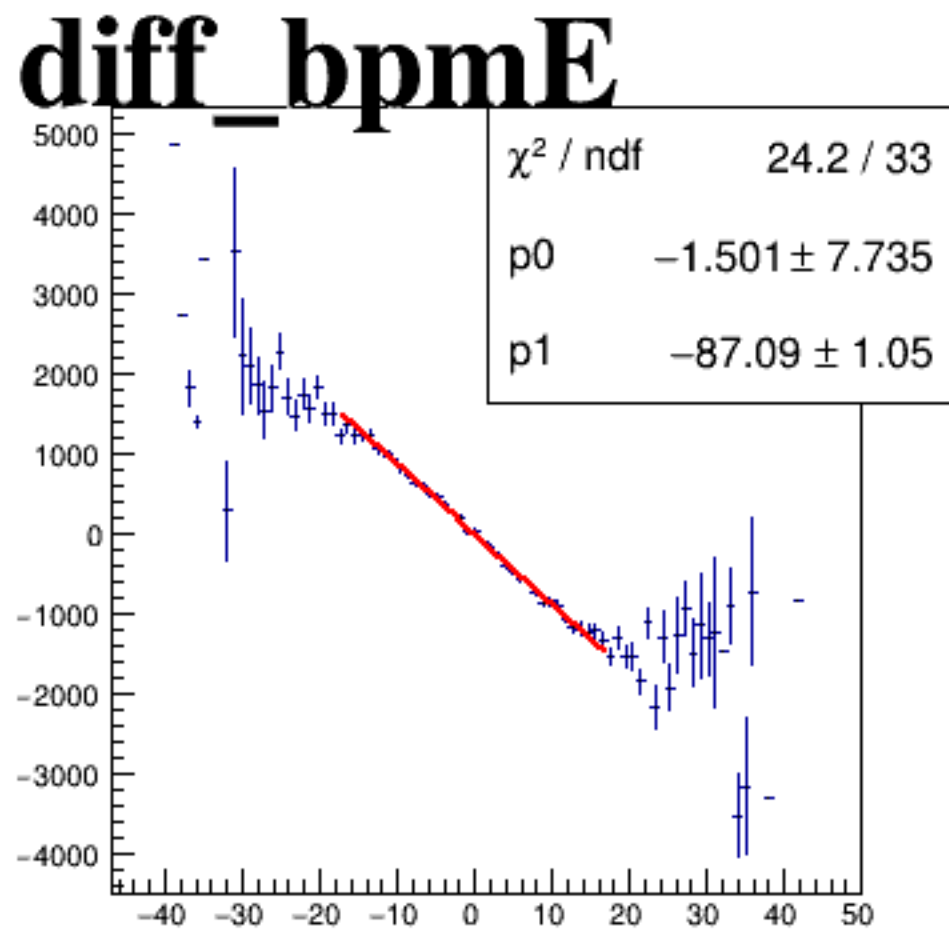
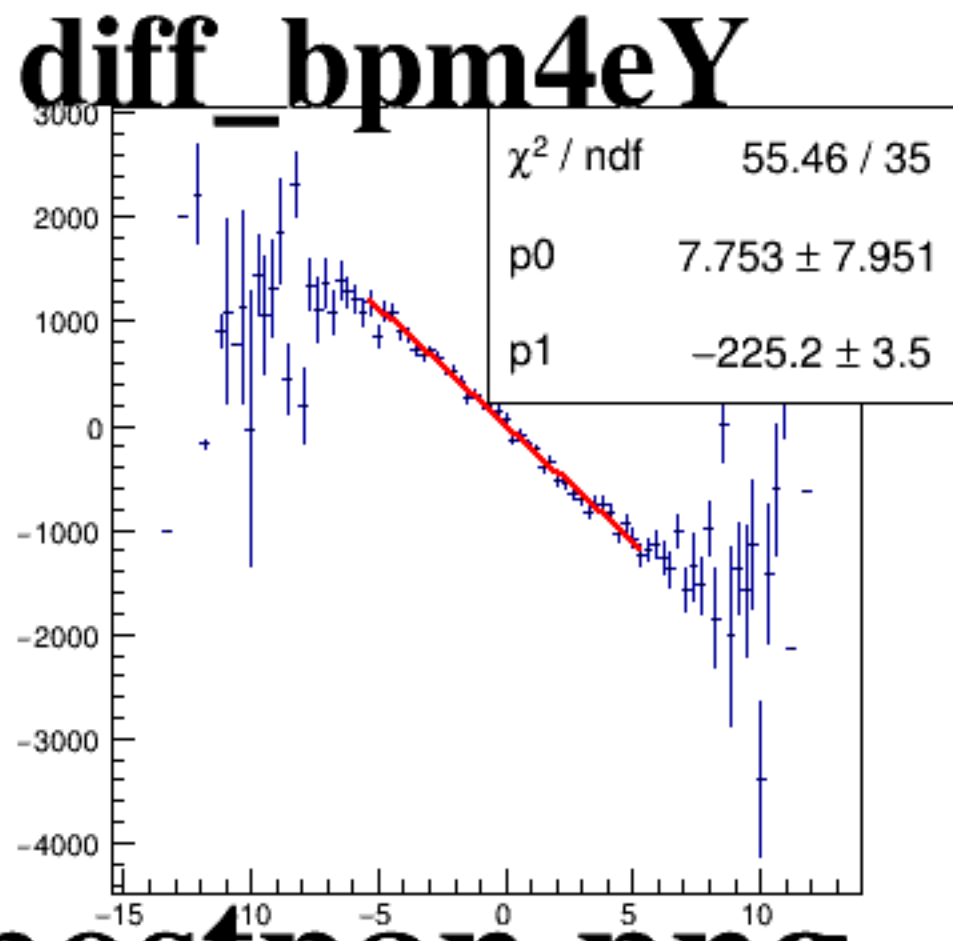
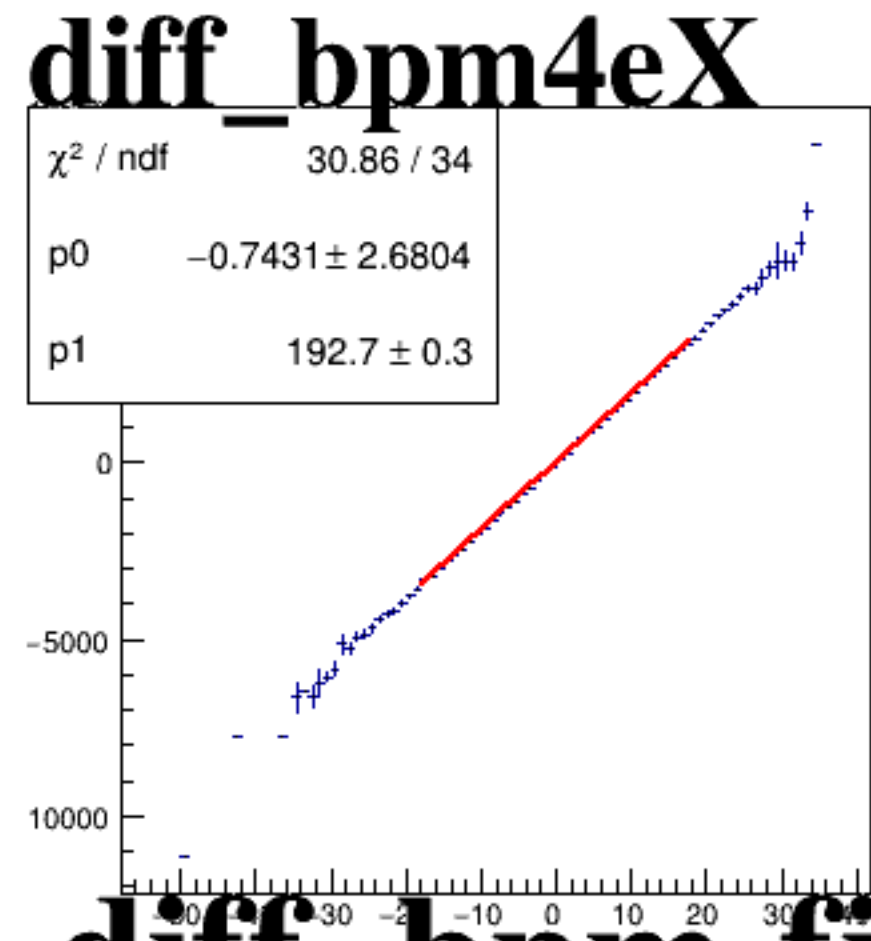
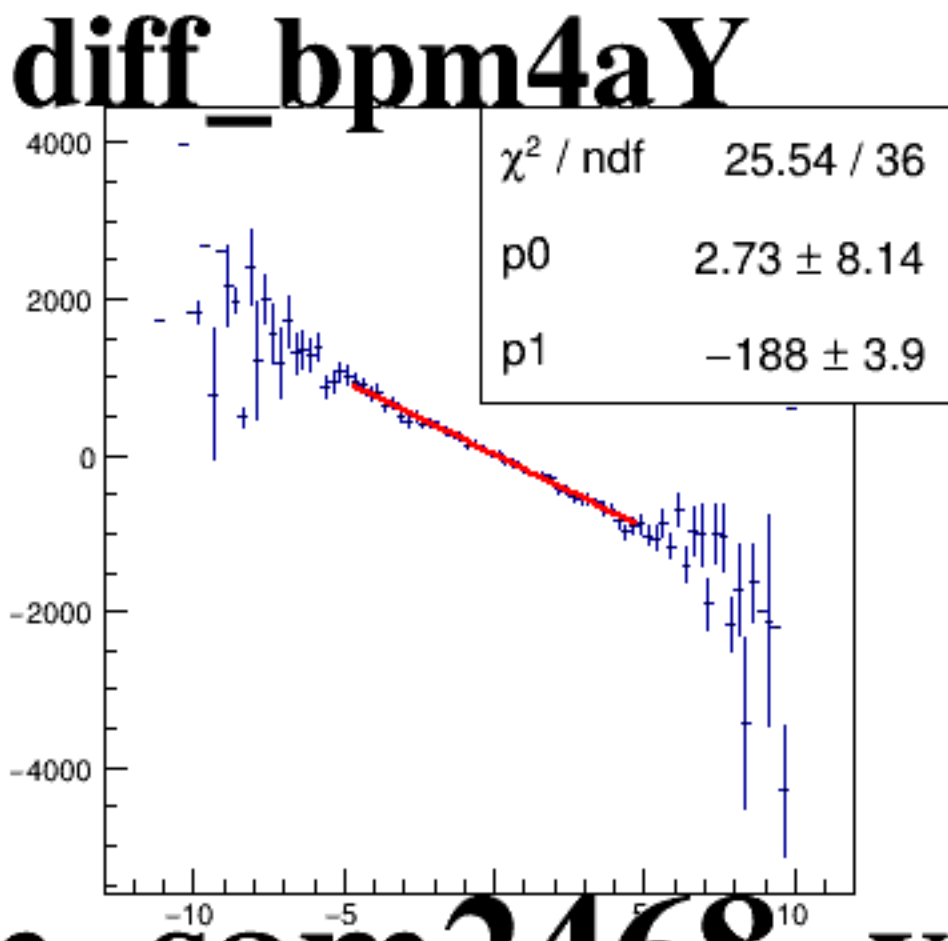
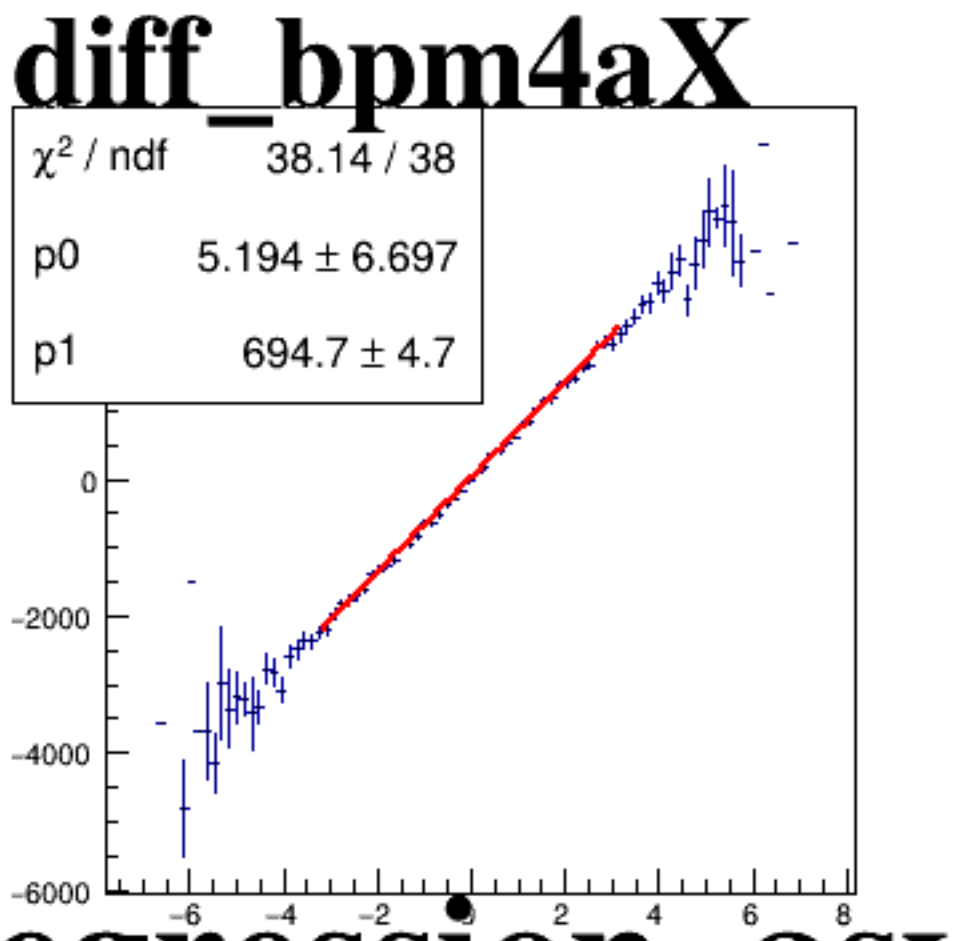
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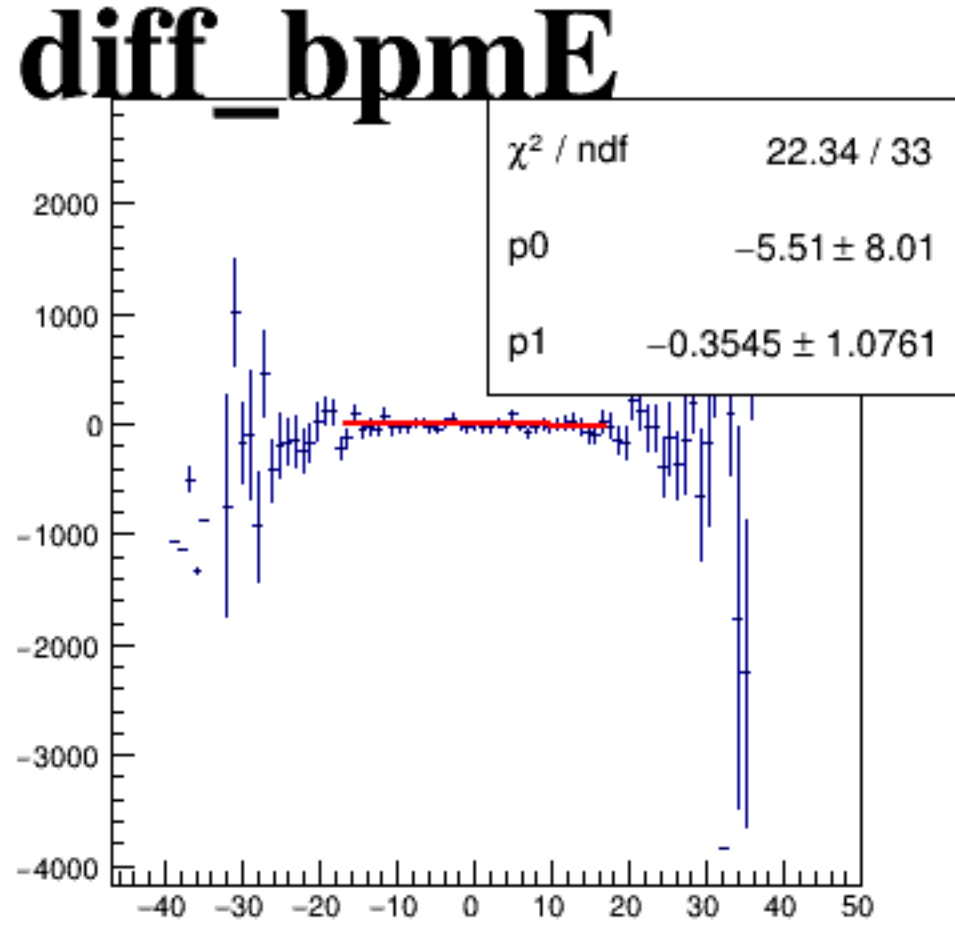
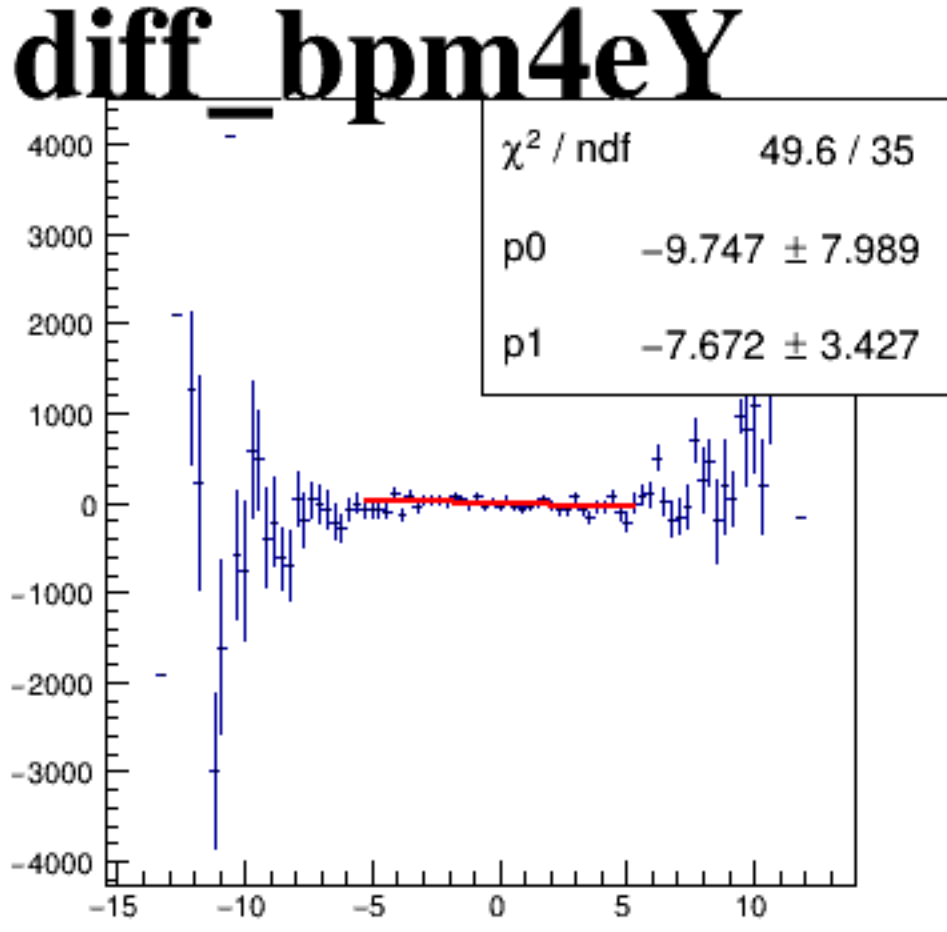
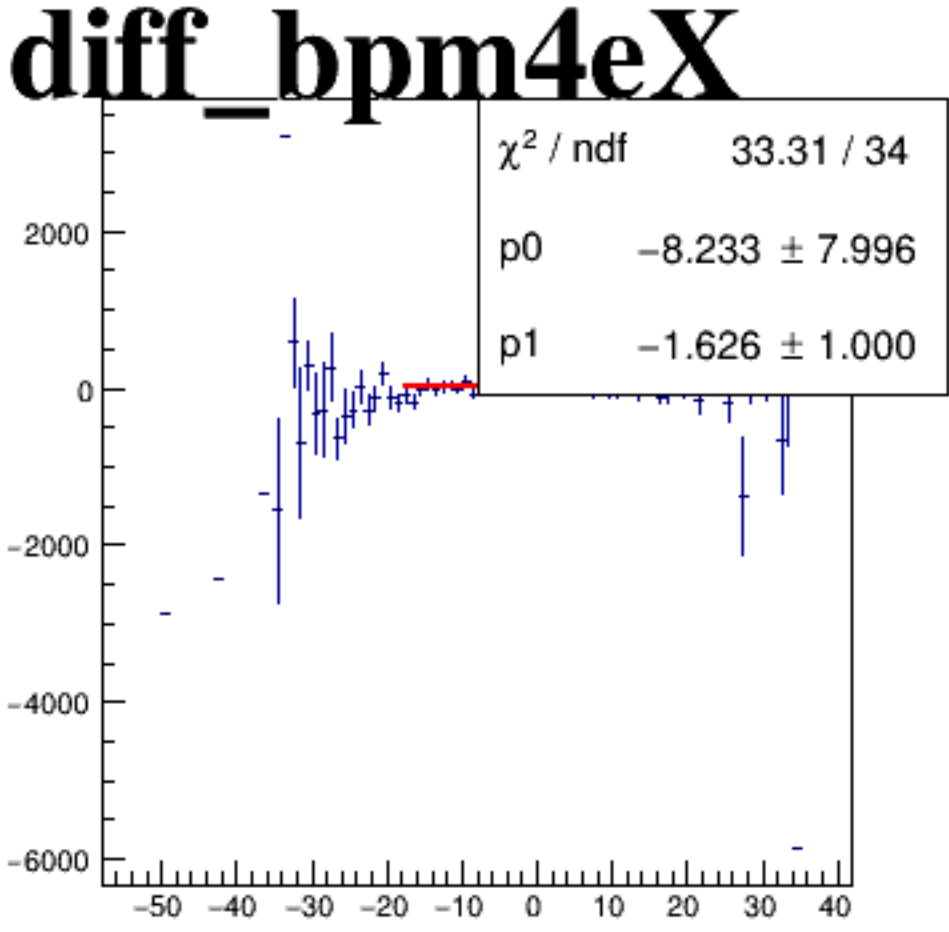
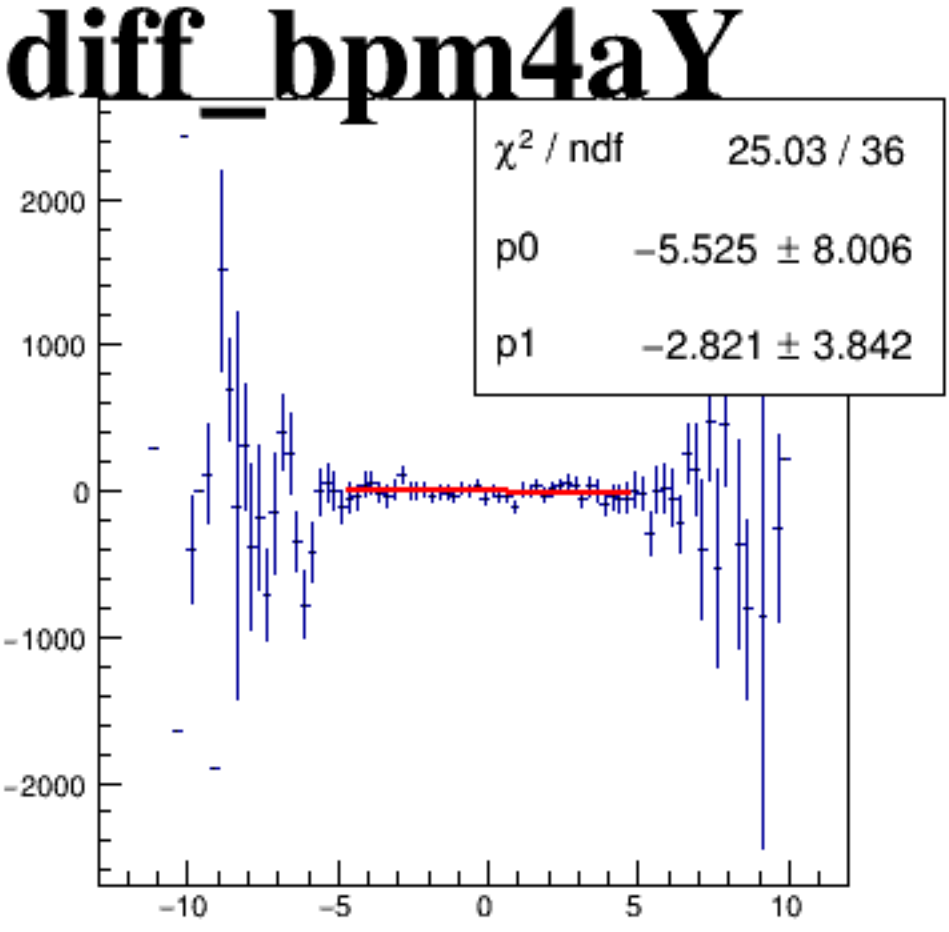
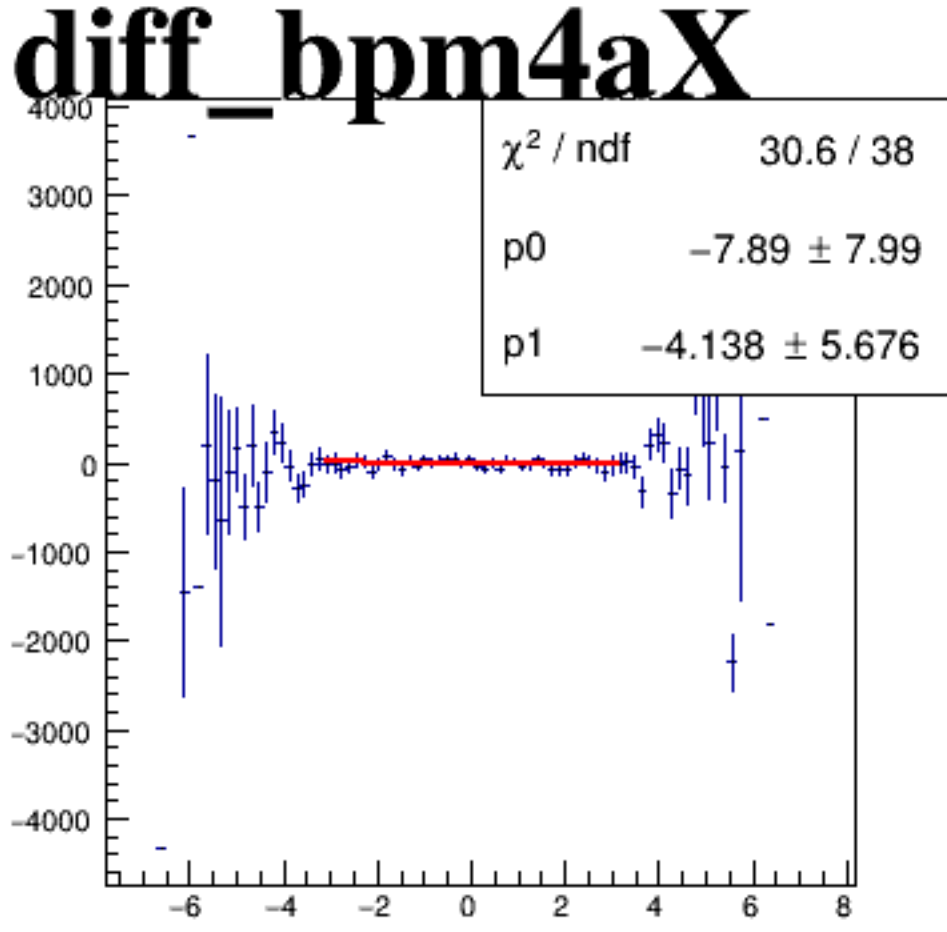
asym_sam6



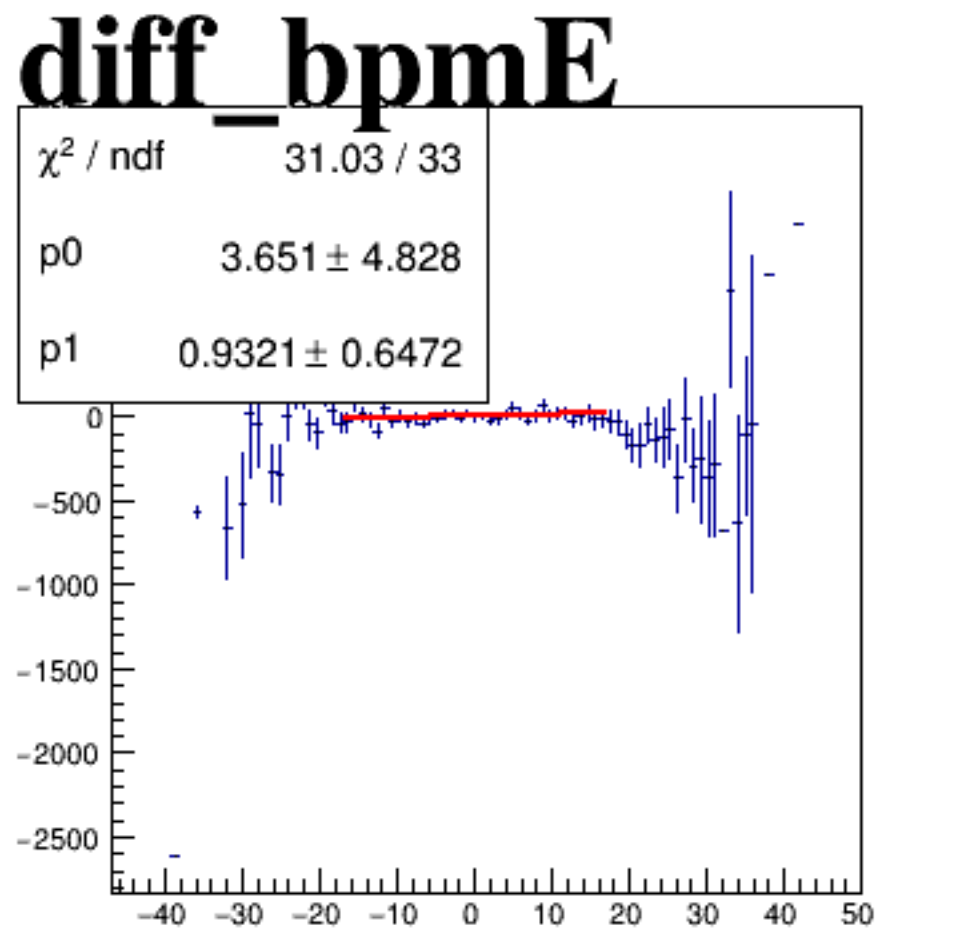
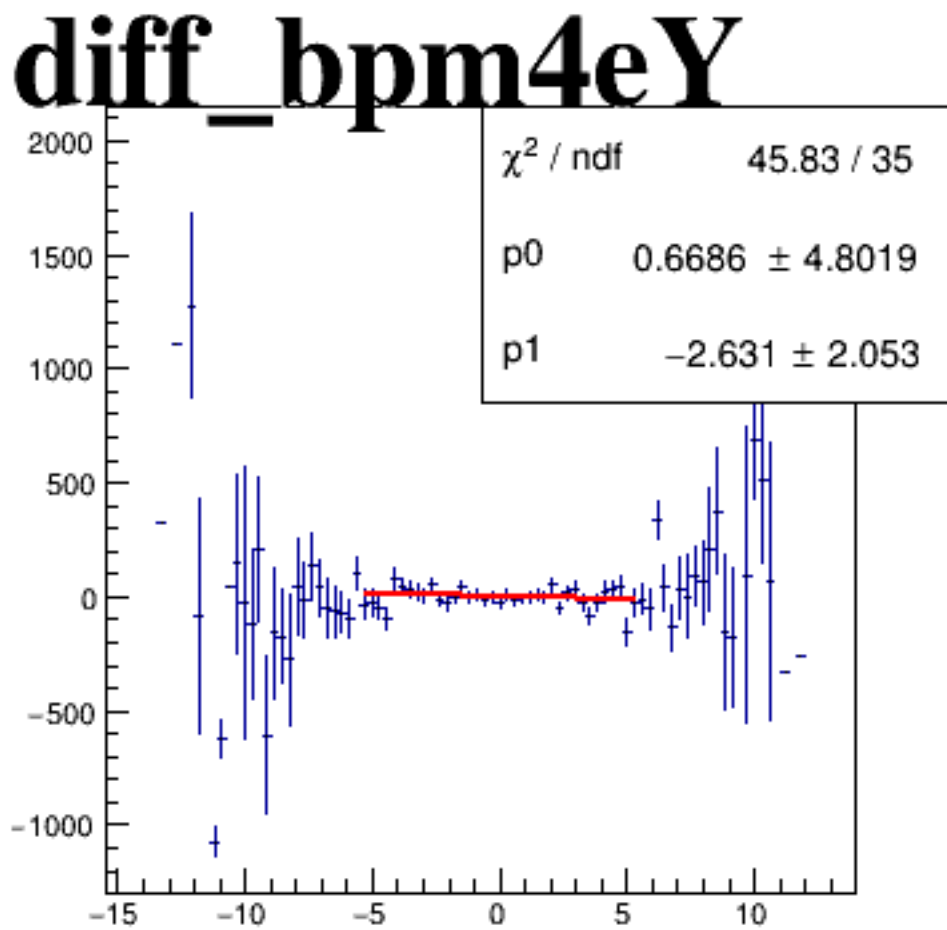
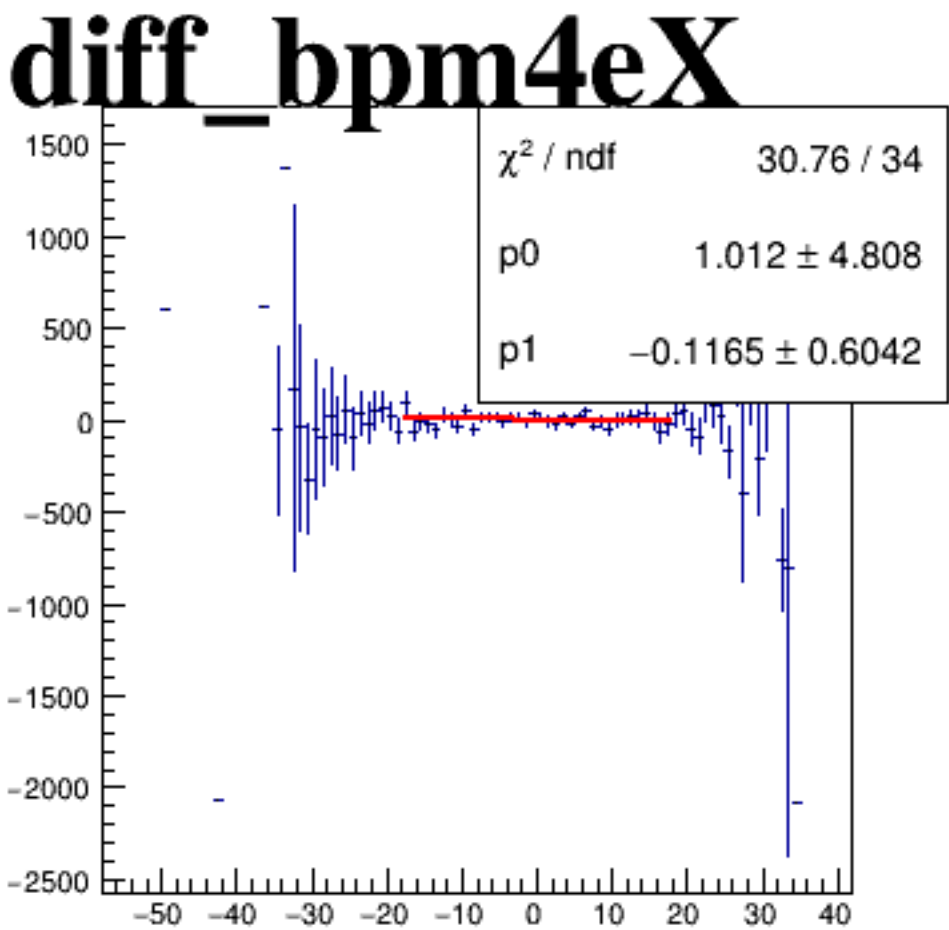
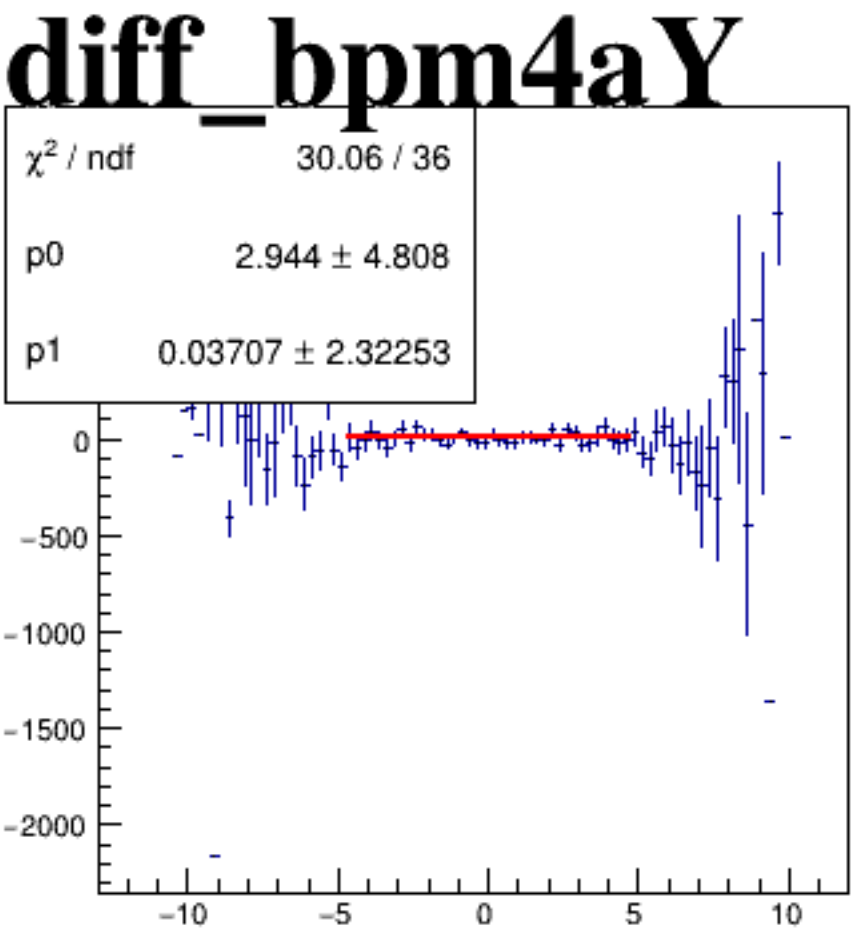
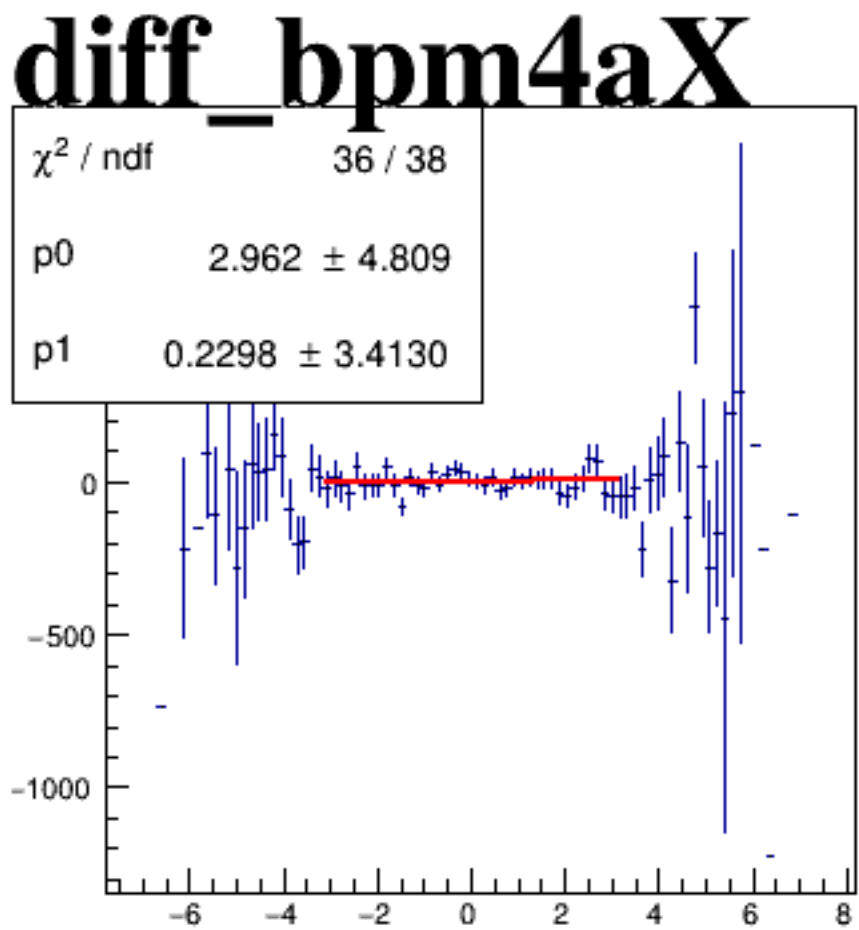
asym_sam8



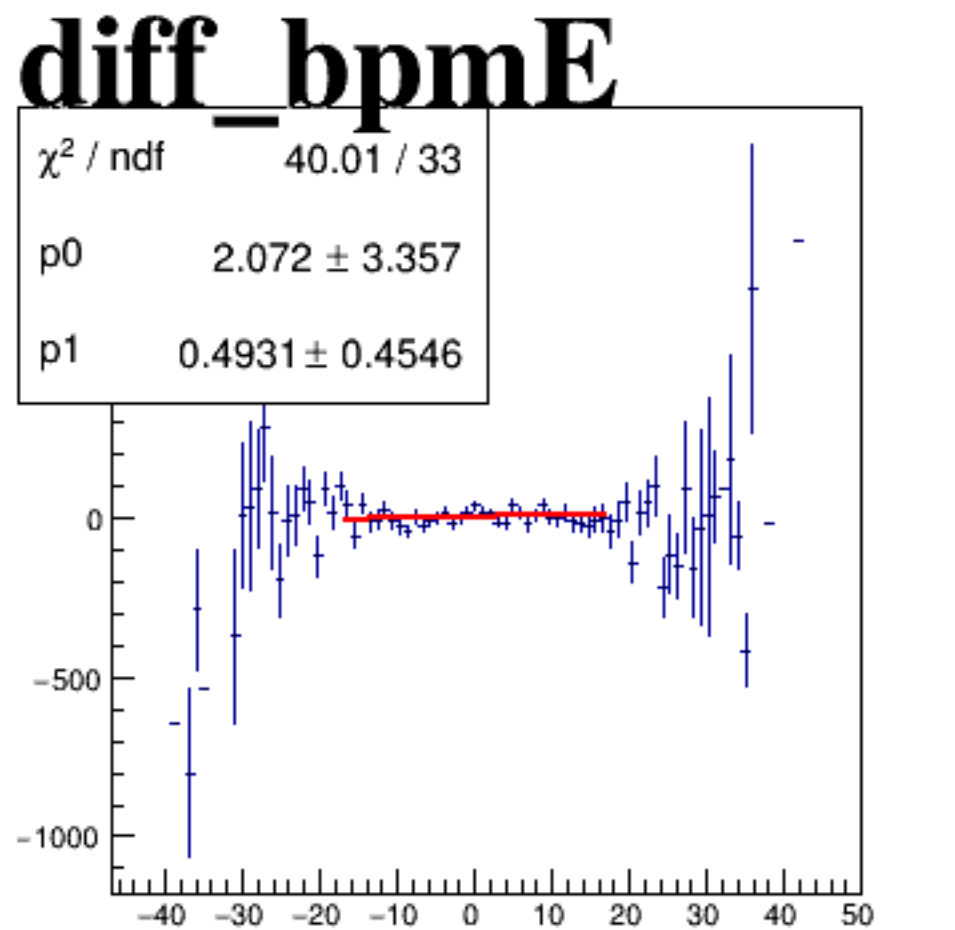
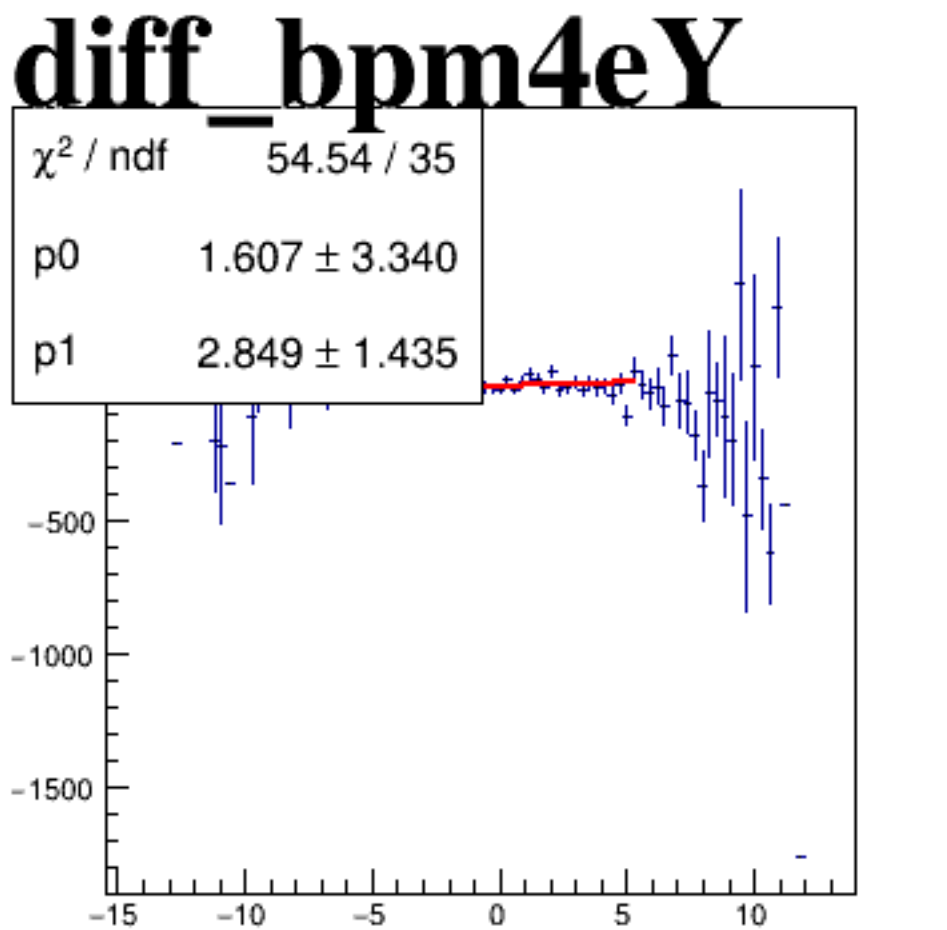
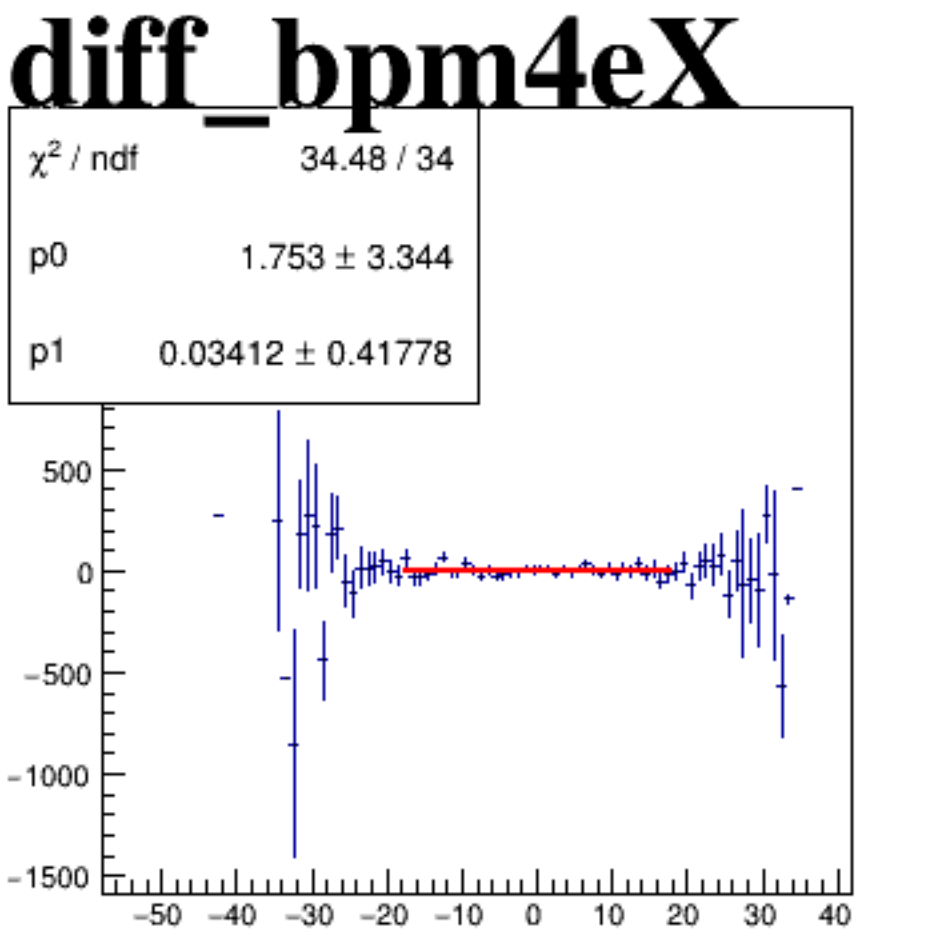
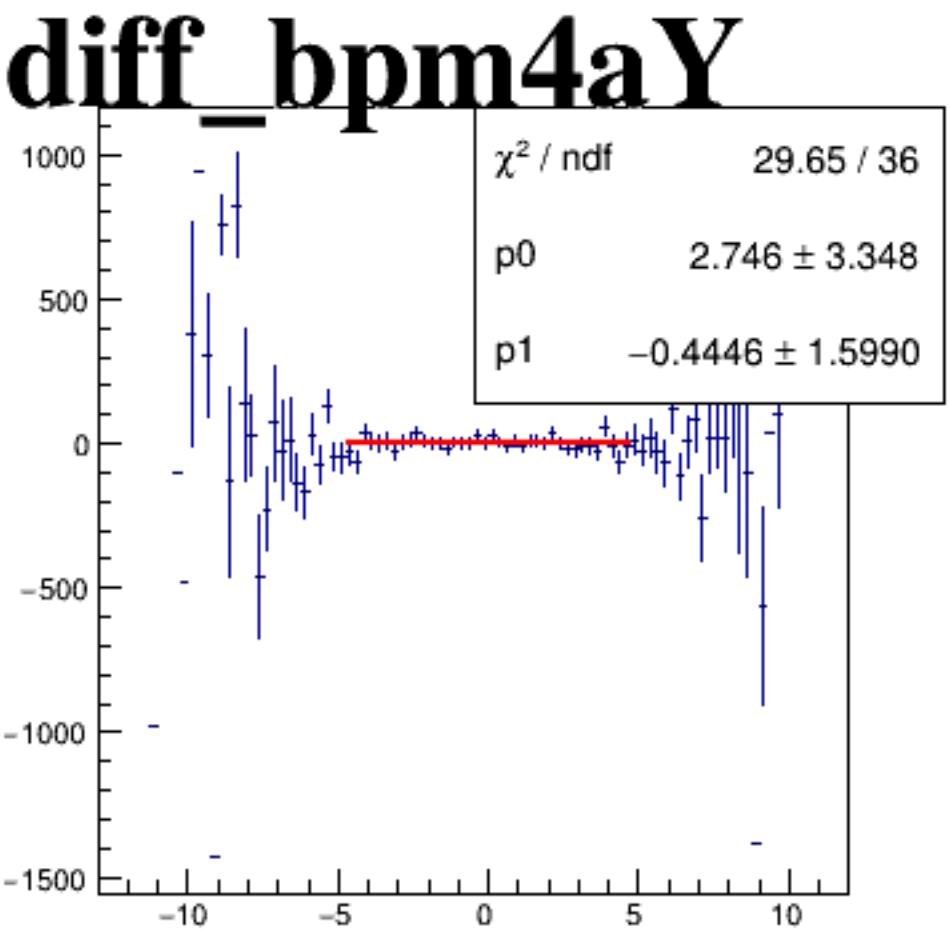
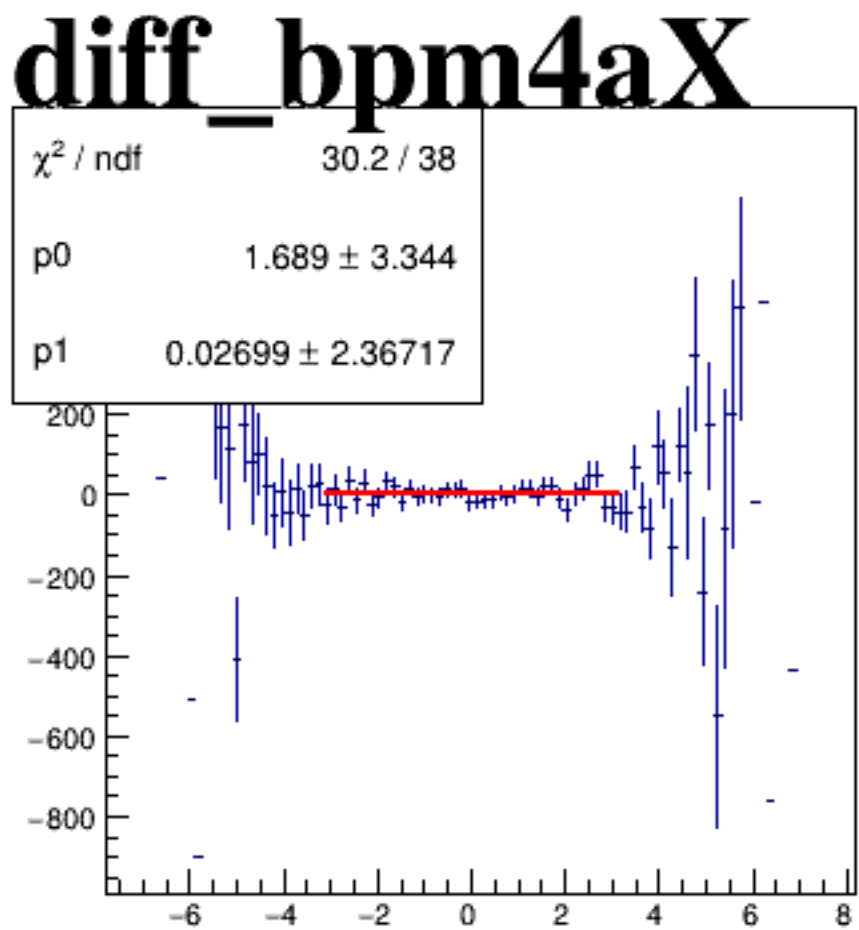
reg_asym_sam2



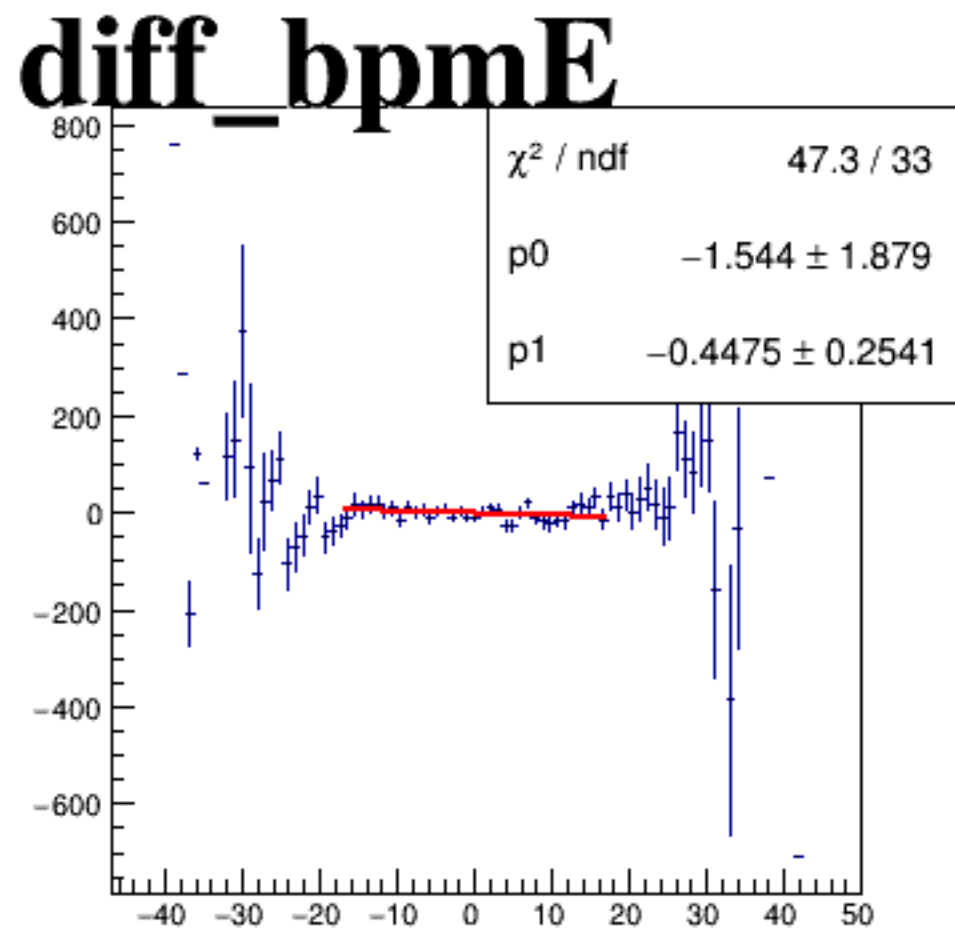
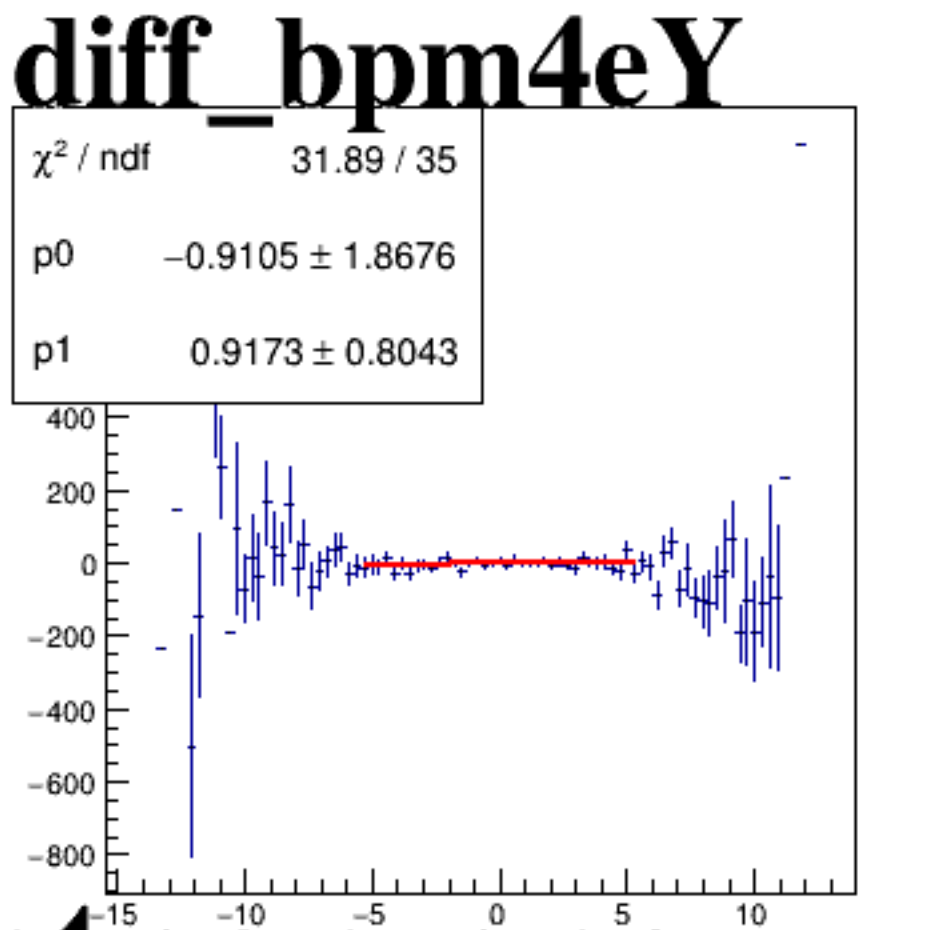
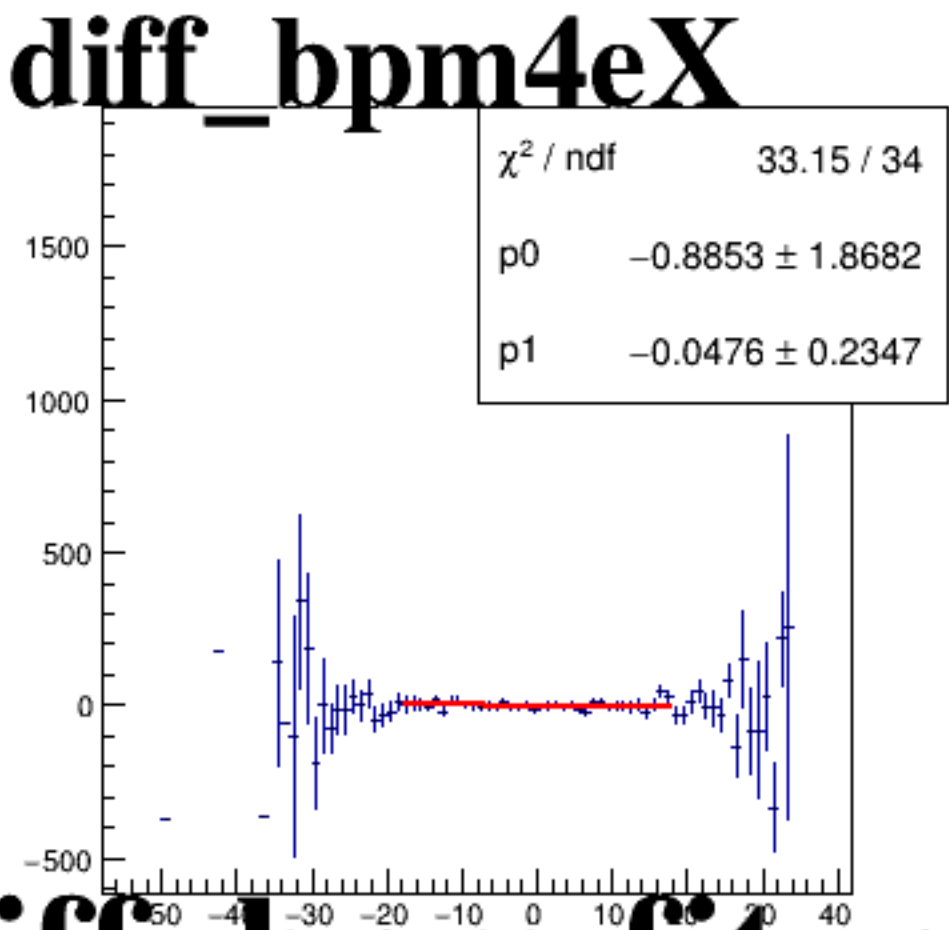
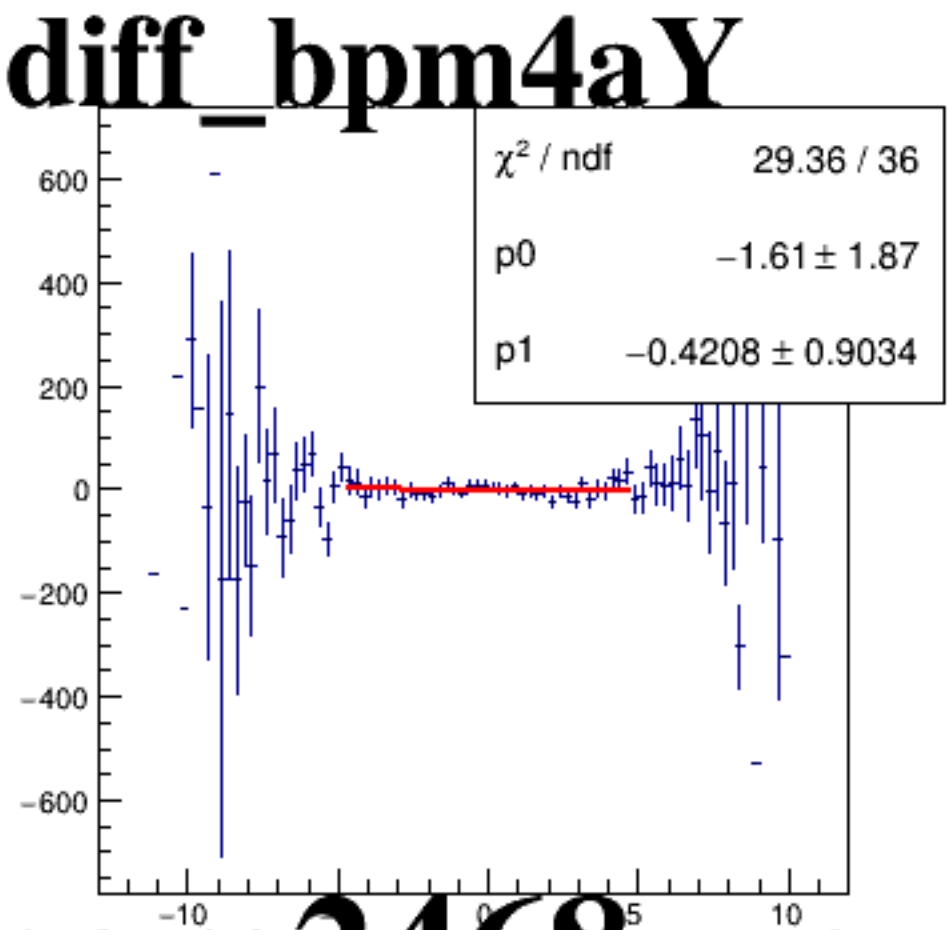
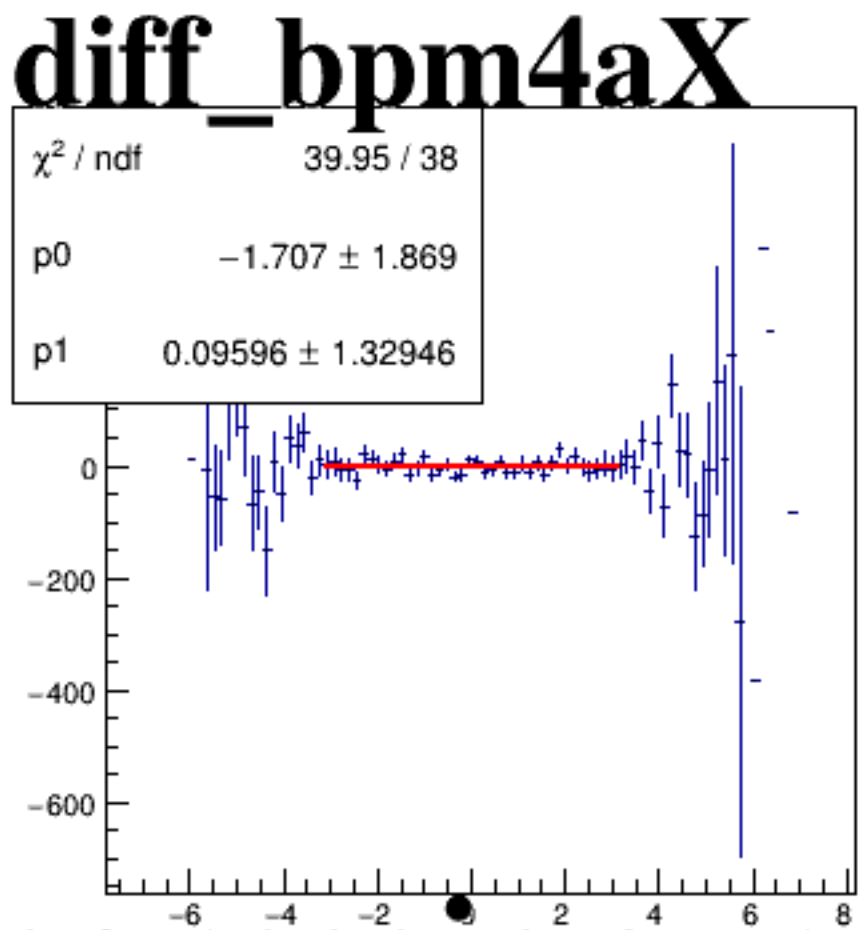
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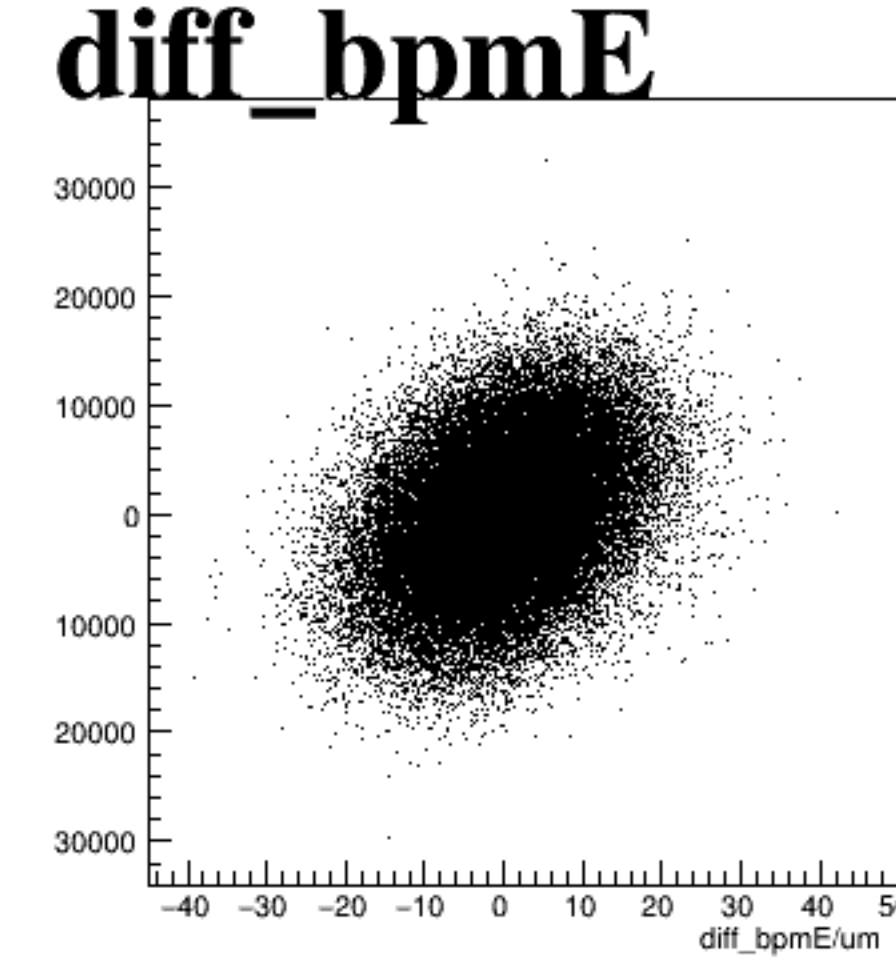
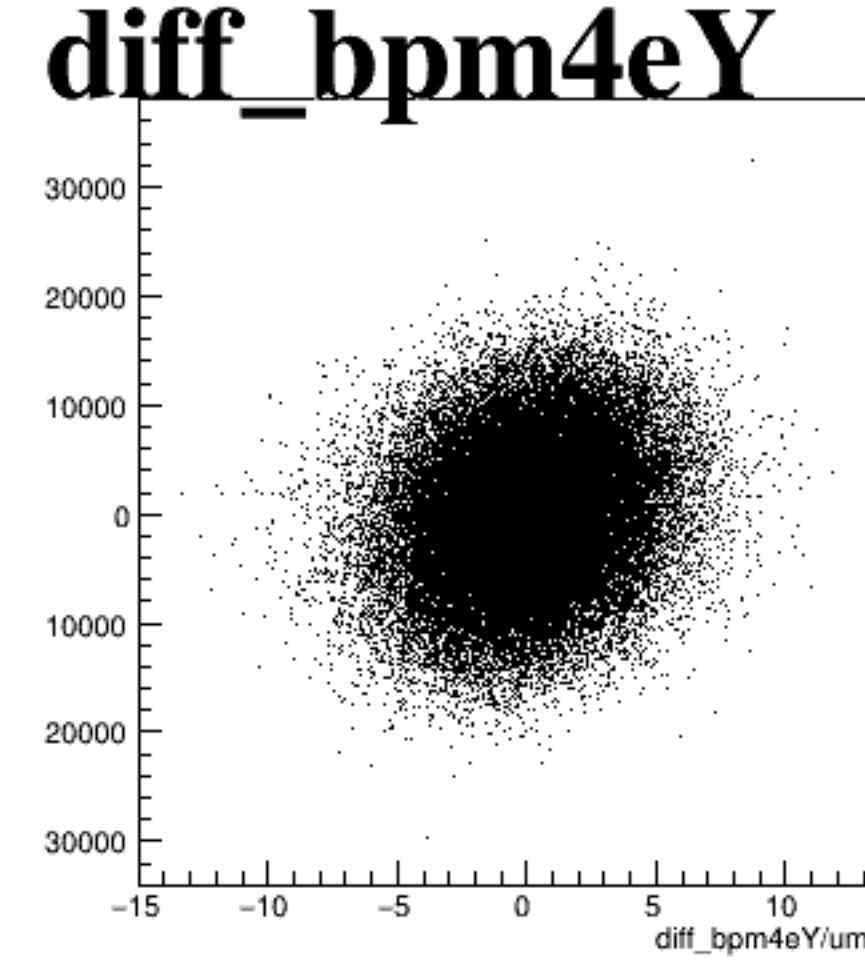
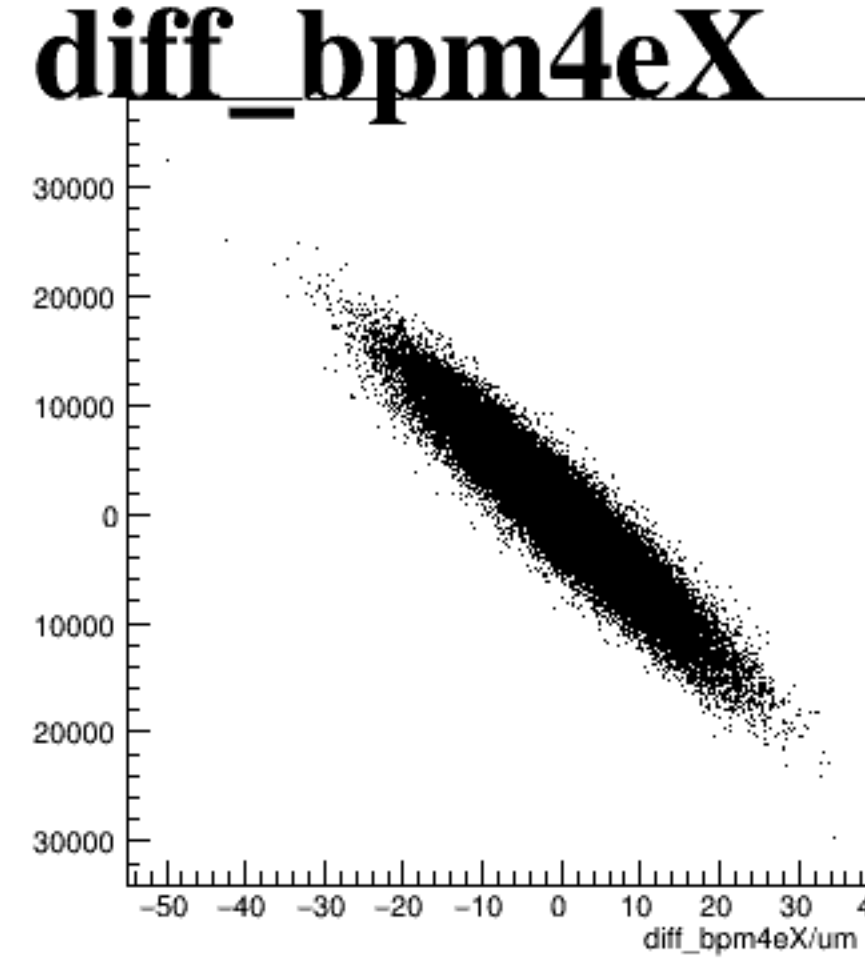
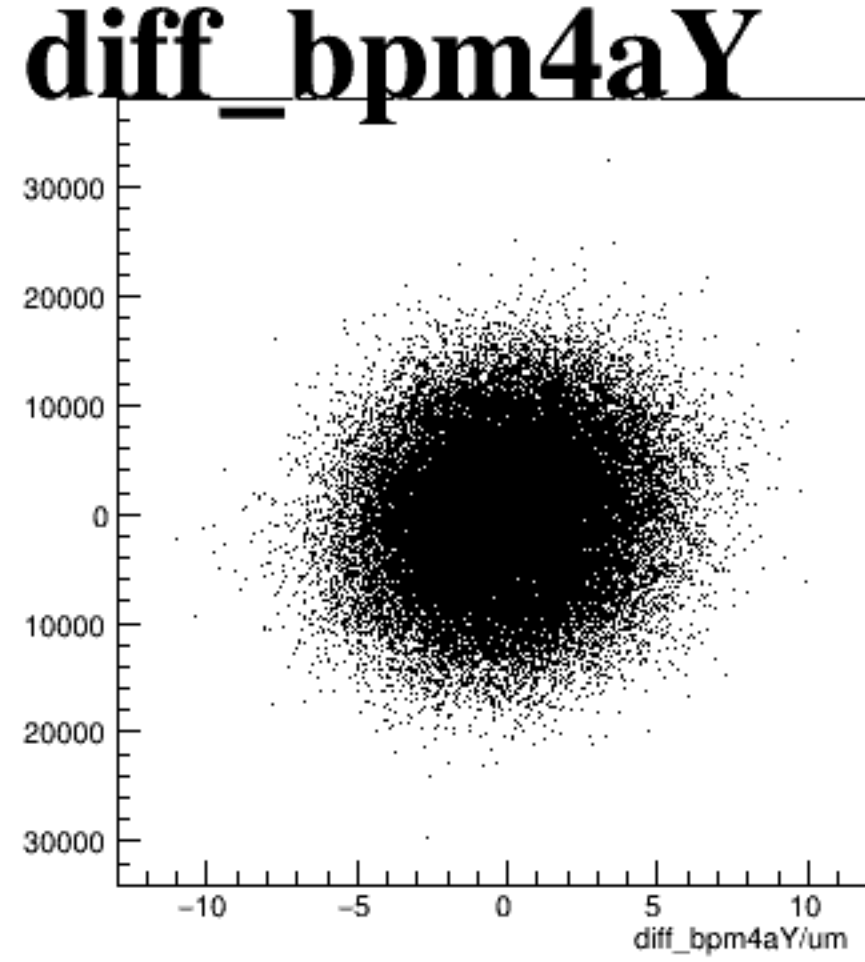
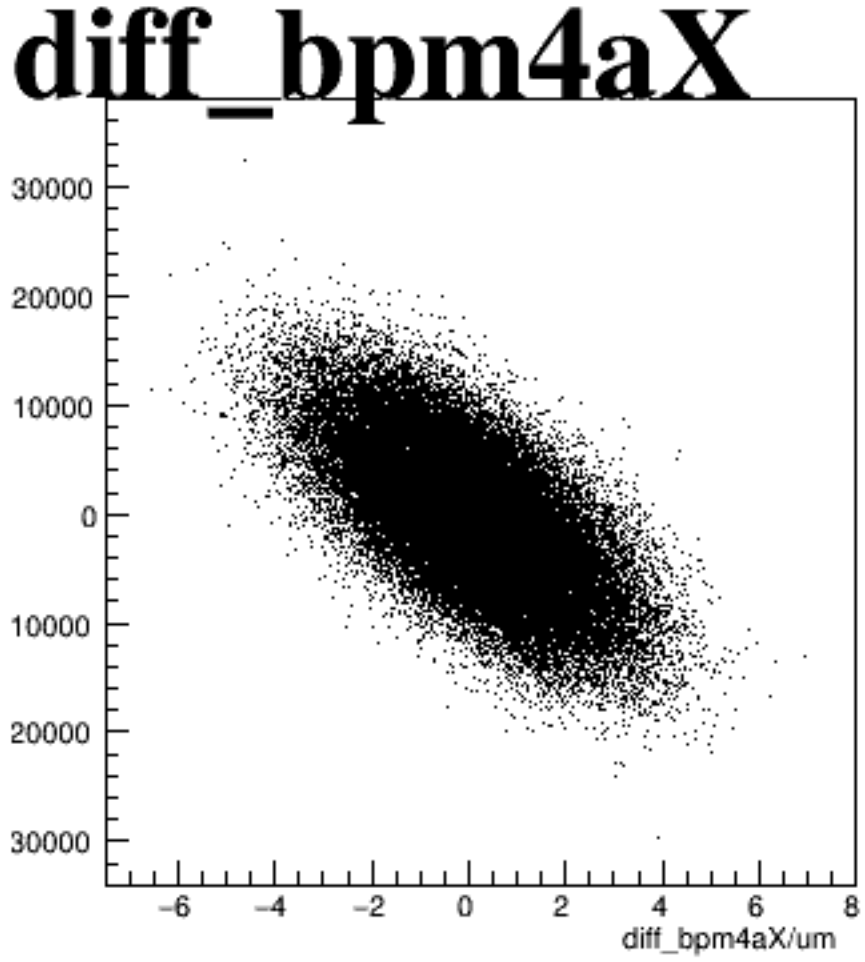
reg_asym_sam6



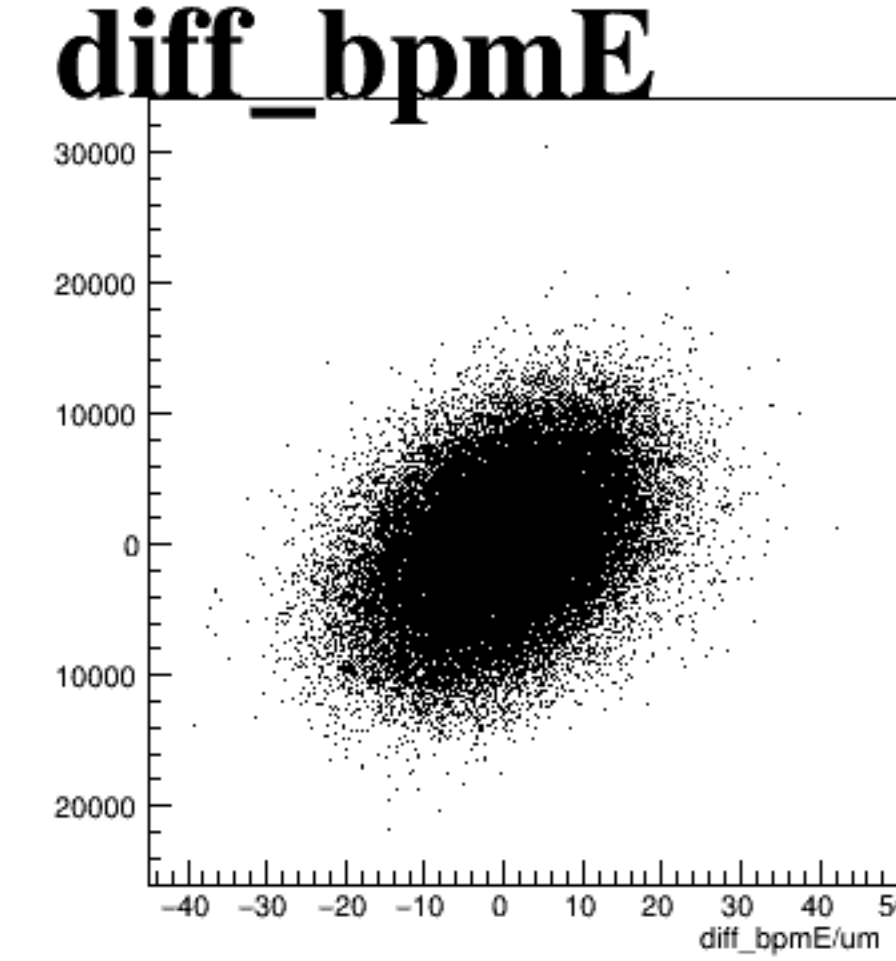
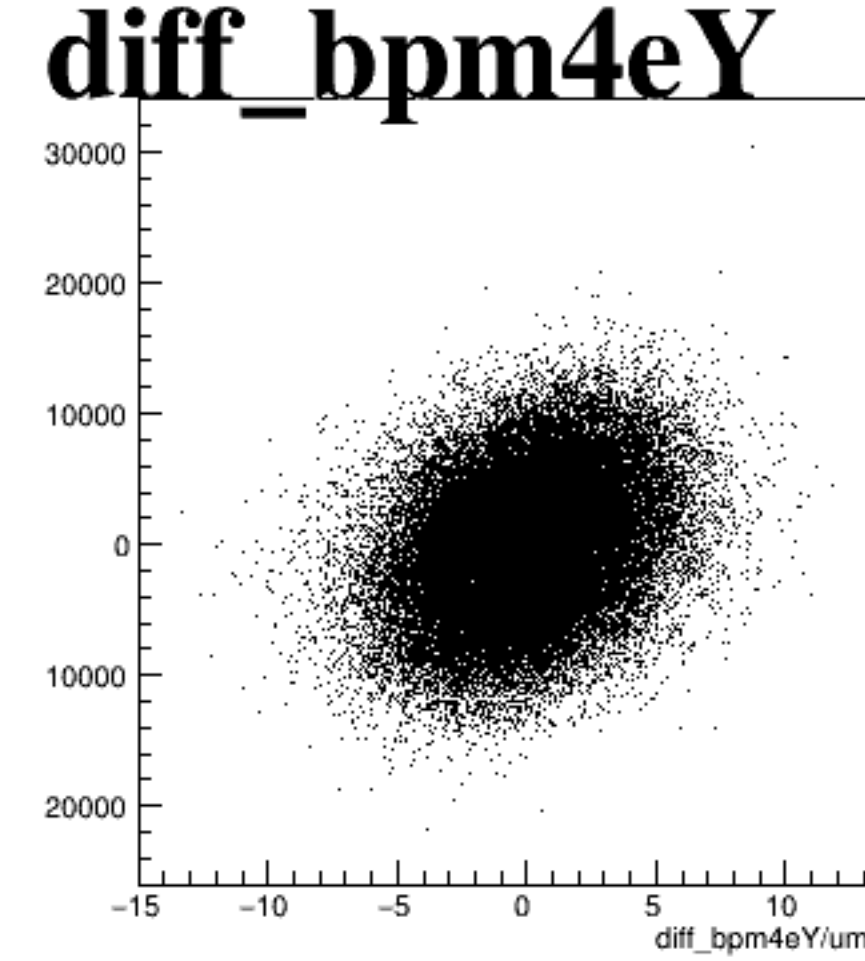
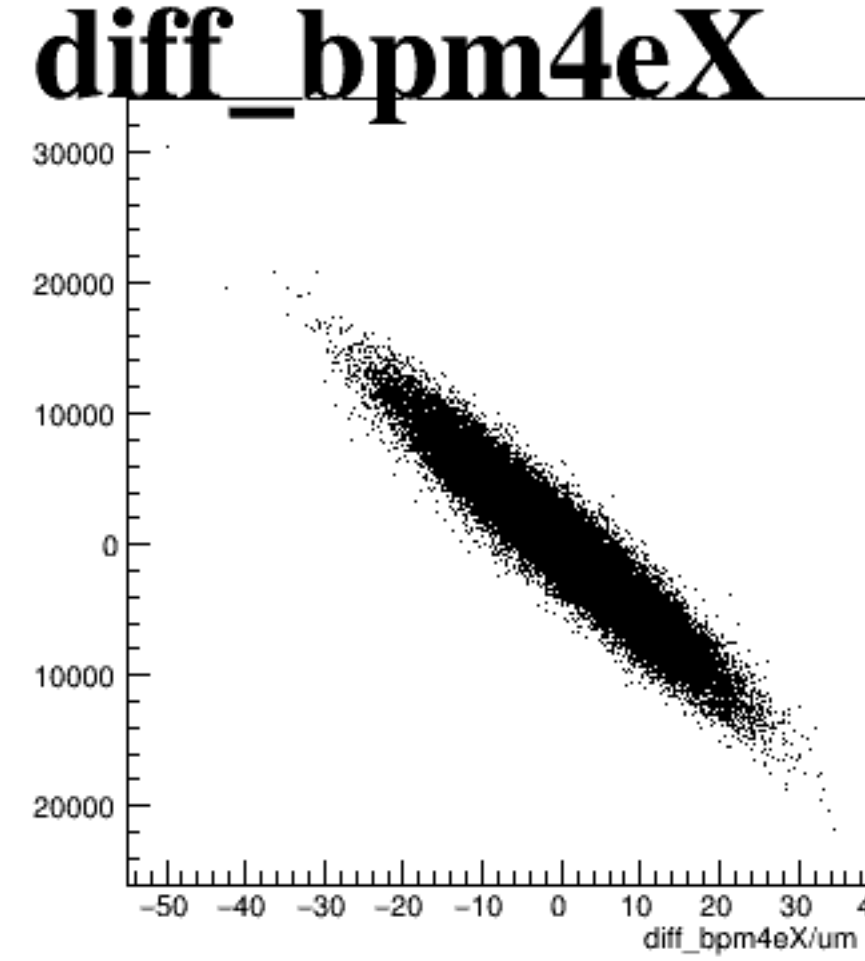
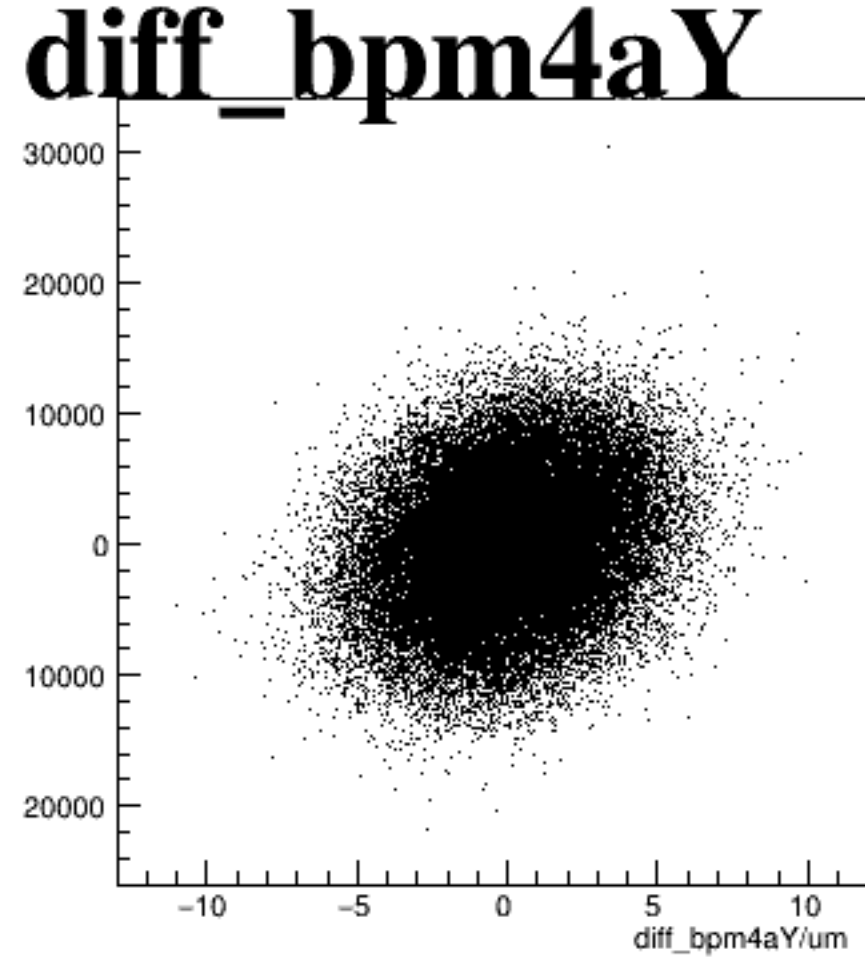
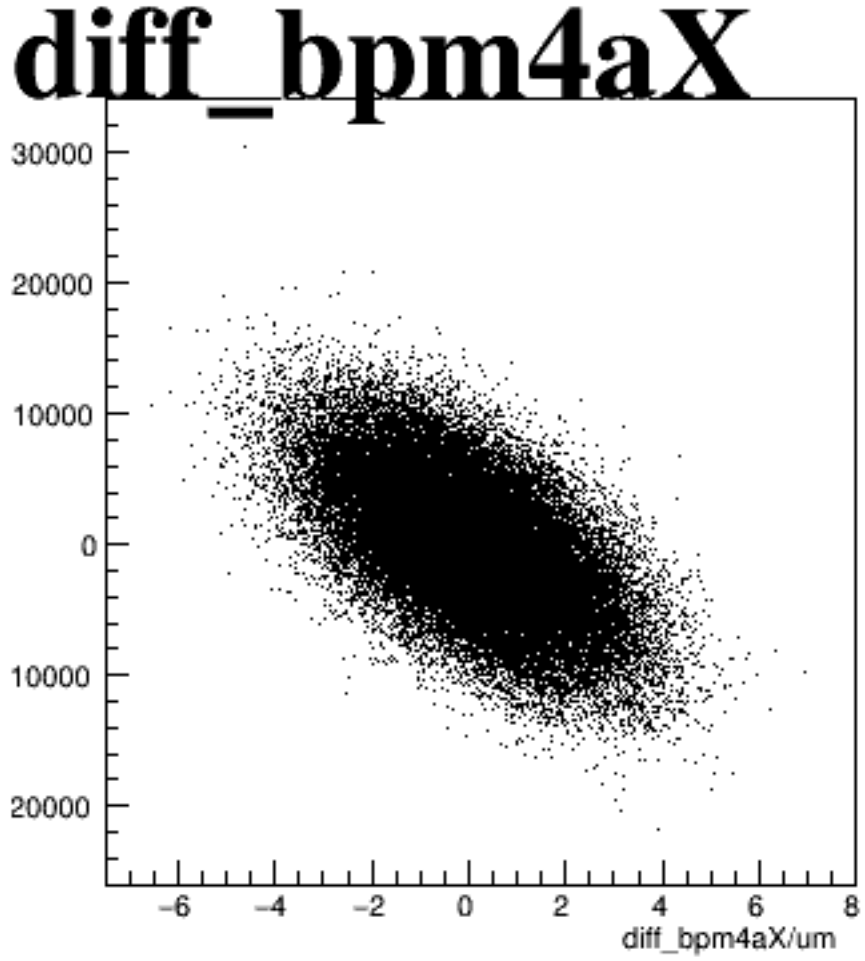
reg_asym_sam8



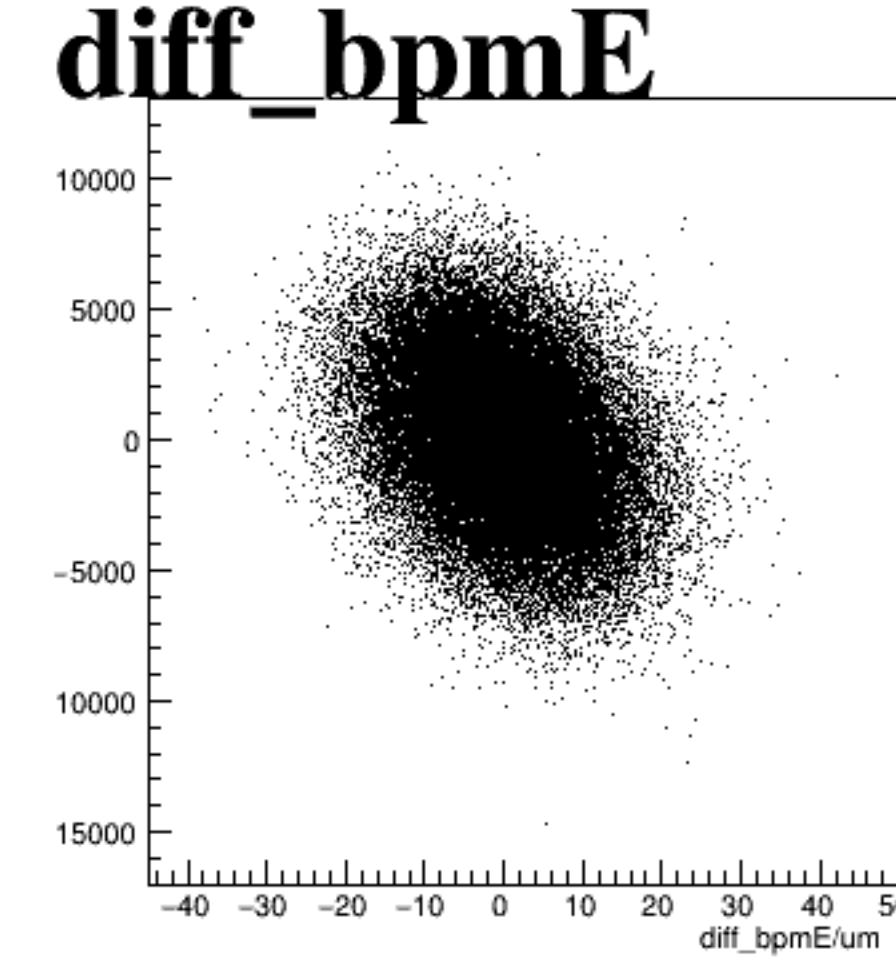
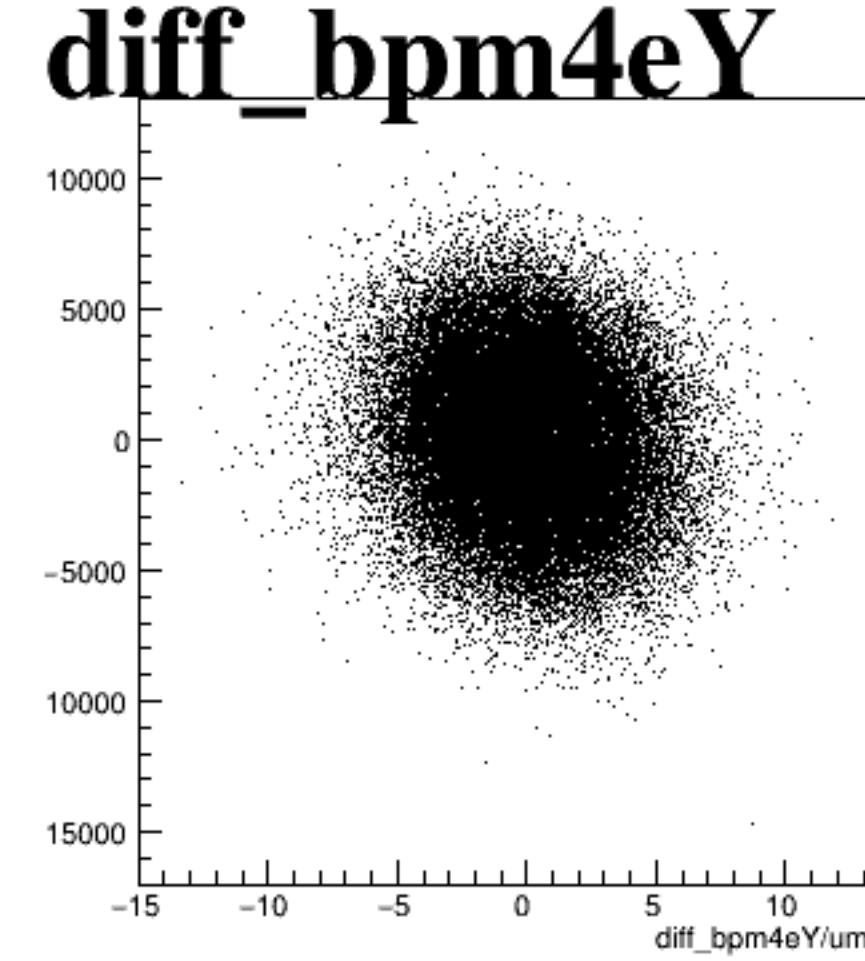
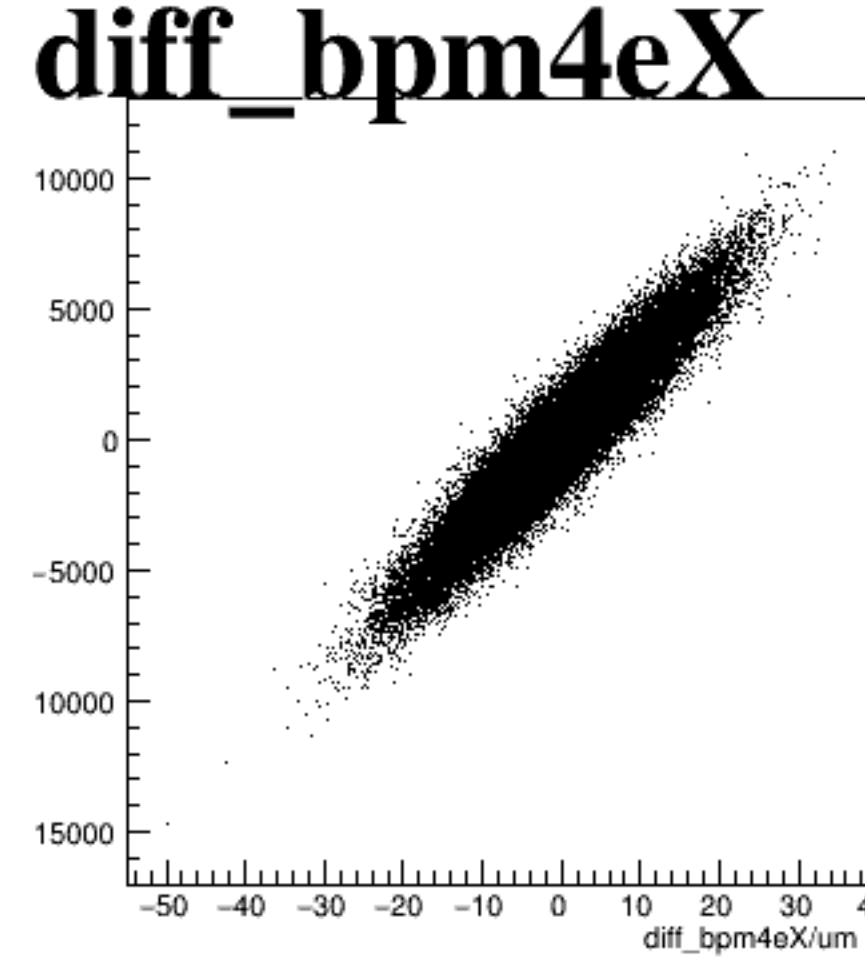
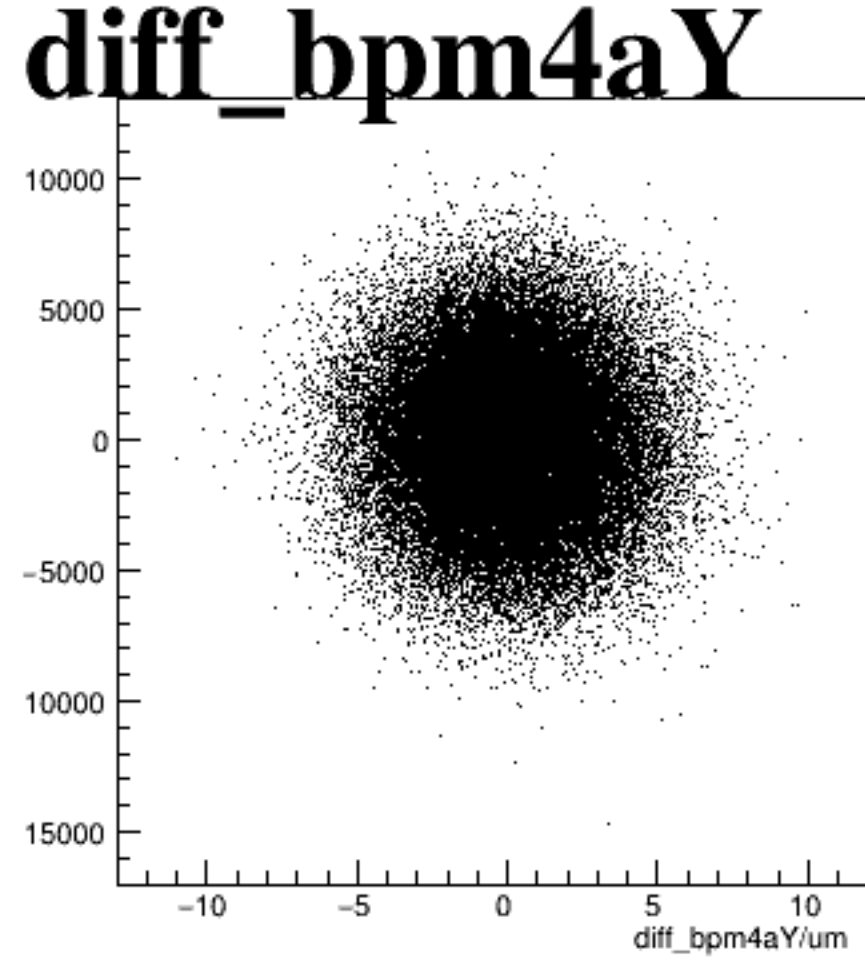
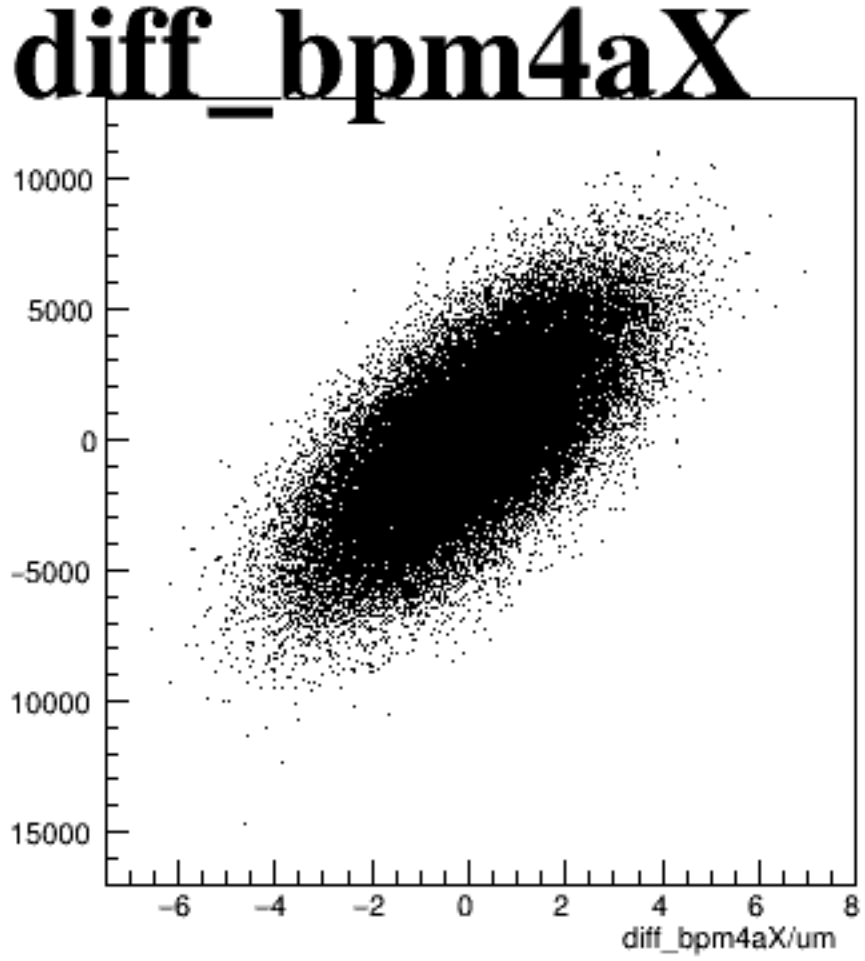
asym_sam2



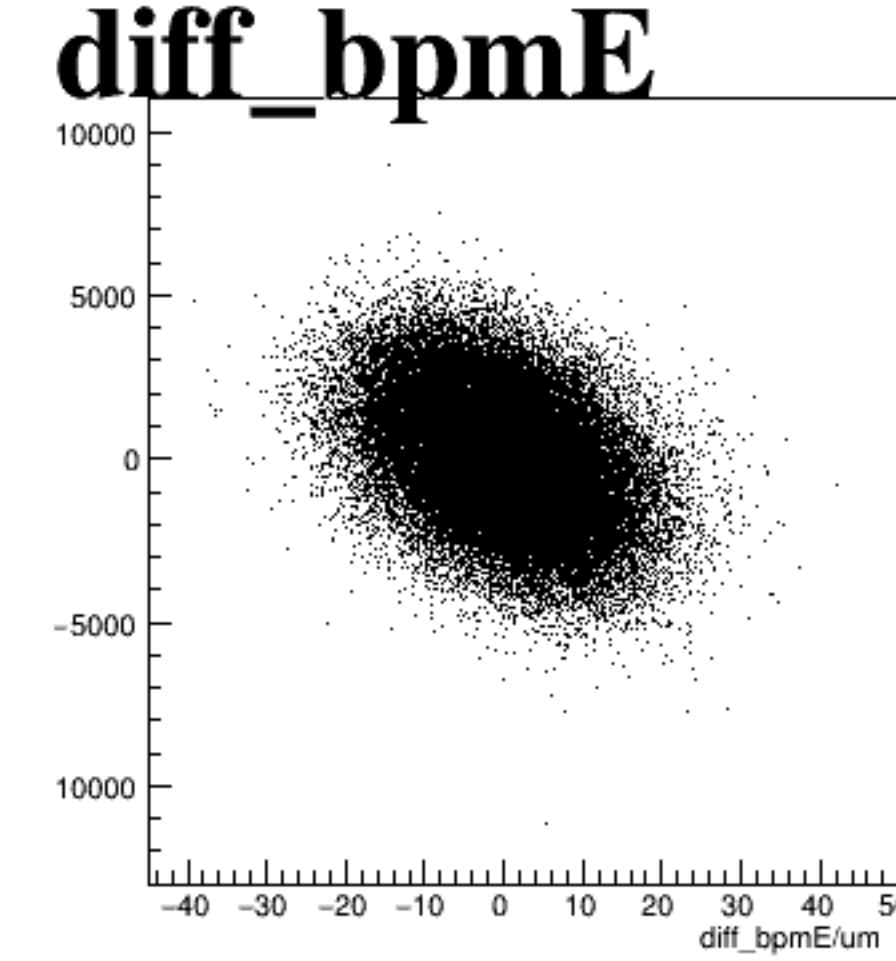
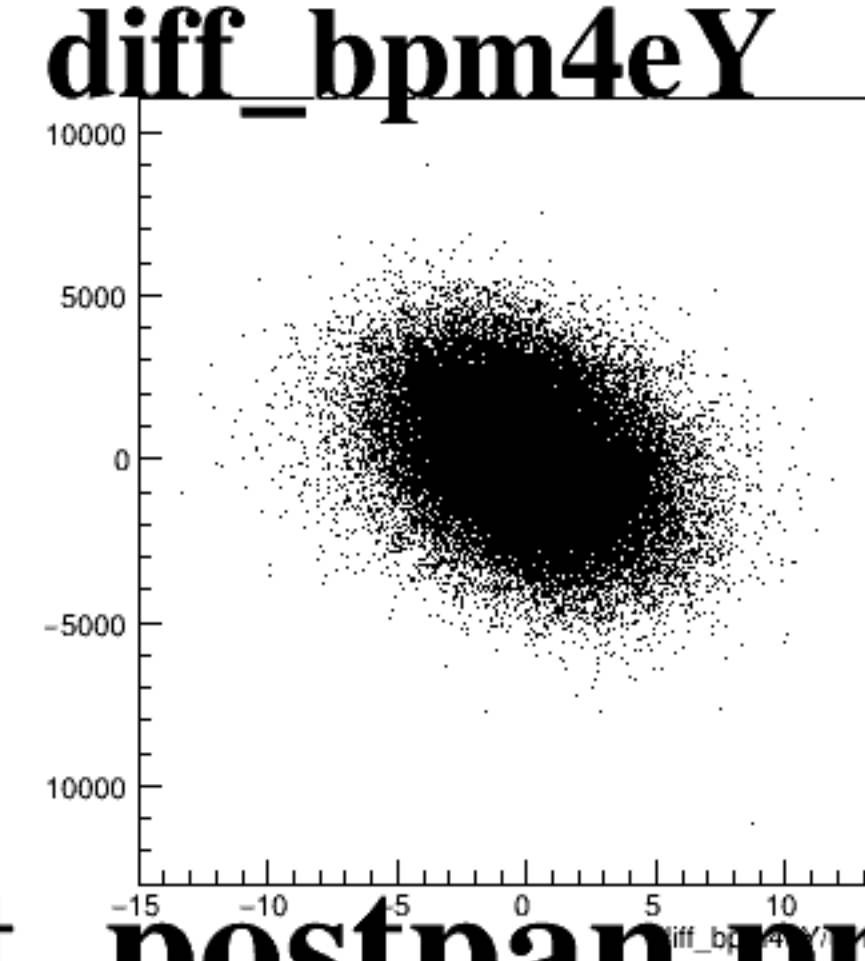
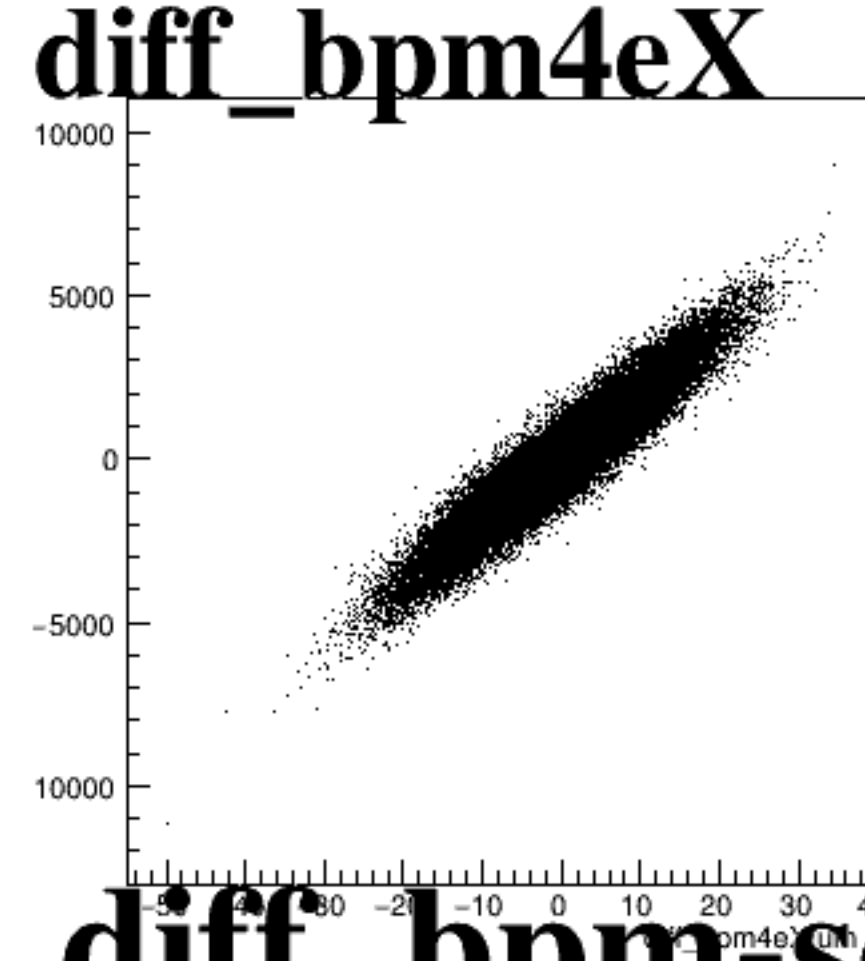
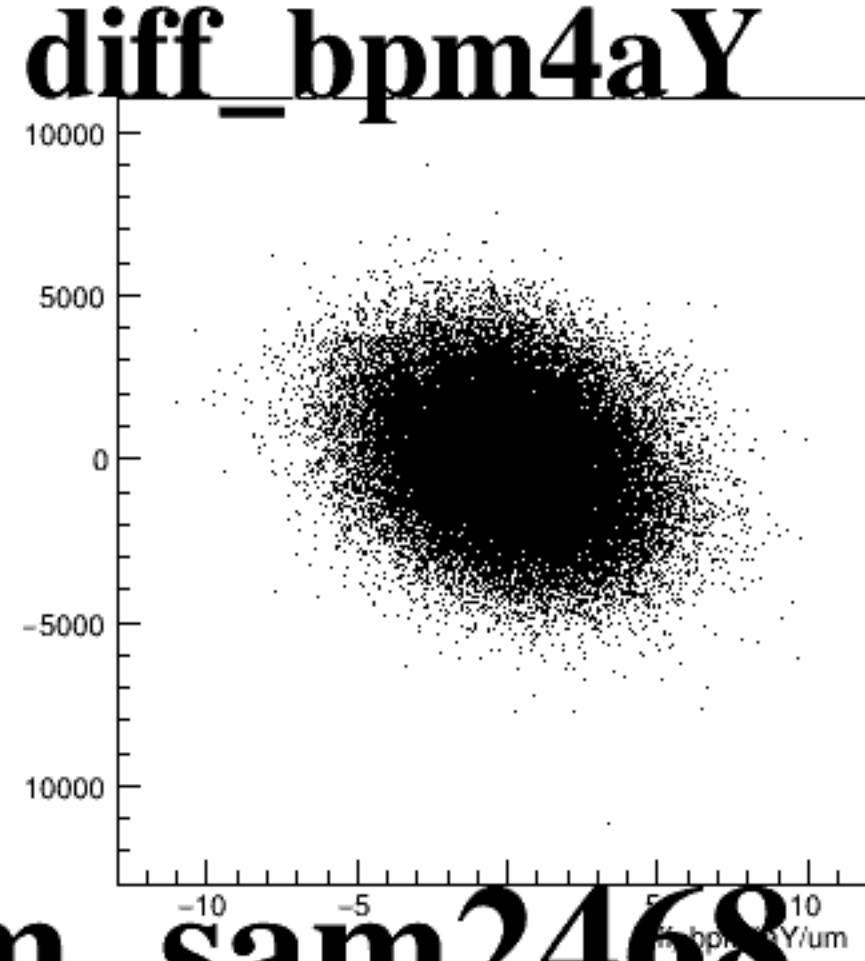
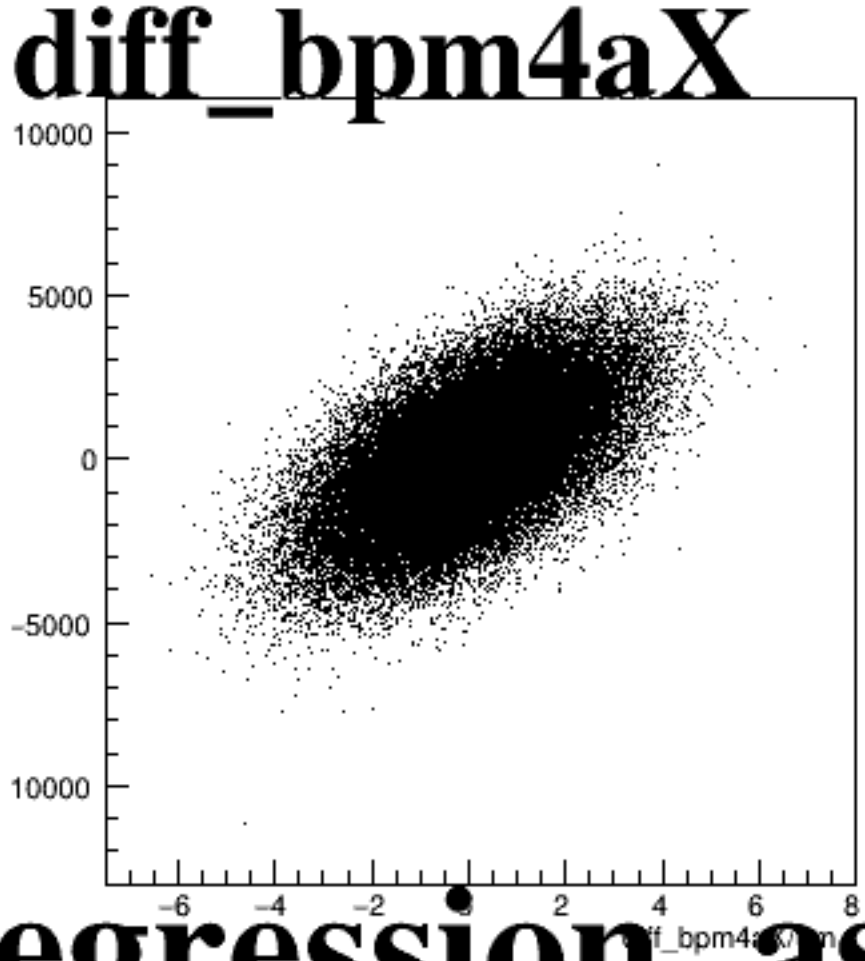
asym_sam4



asym_sam6



asym_sam8



The figure displays five scatter plots, each representing the distribution of a different difference variable. The y-axis for all plots ranges from -6000 to 6000. The x-axis labels and ranges are as follows:

- diff_bpm4aX**: x-axis ranges from -6 to 8.
- diff_bpm4aY**: x-axis ranges from -10 to 10.
- diff_bpm4eX**: x-axis ranges from -50 to 40.
- diff_bpm4eY**: x-axis ranges from -15 to 15.
- diff_bpmE**: x-axis ranges from -40 to 50.

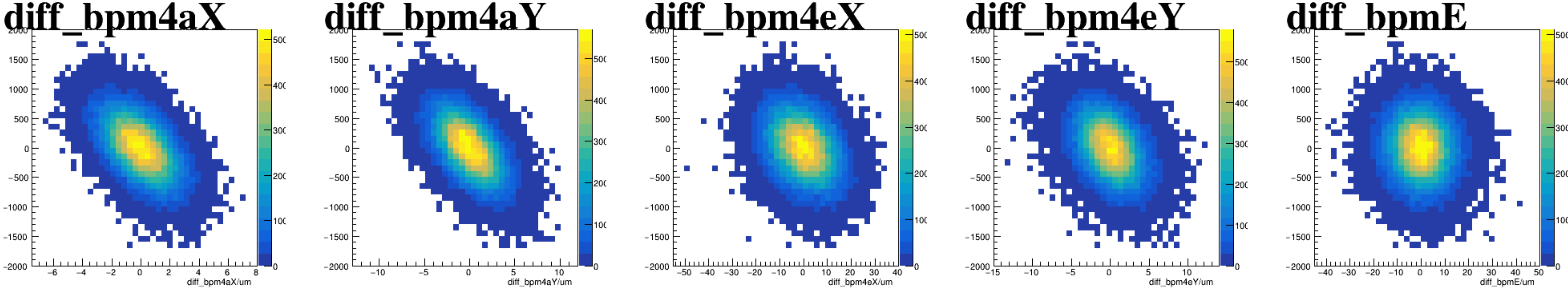
All plots show a dense, roughly circular cloud of points centered at the origin (0,0).

The figure consists of five scatter plots arranged horizontally, each showing the distribution of differences in BPM parameters for four different beam parameters. The plots are titled as follows:

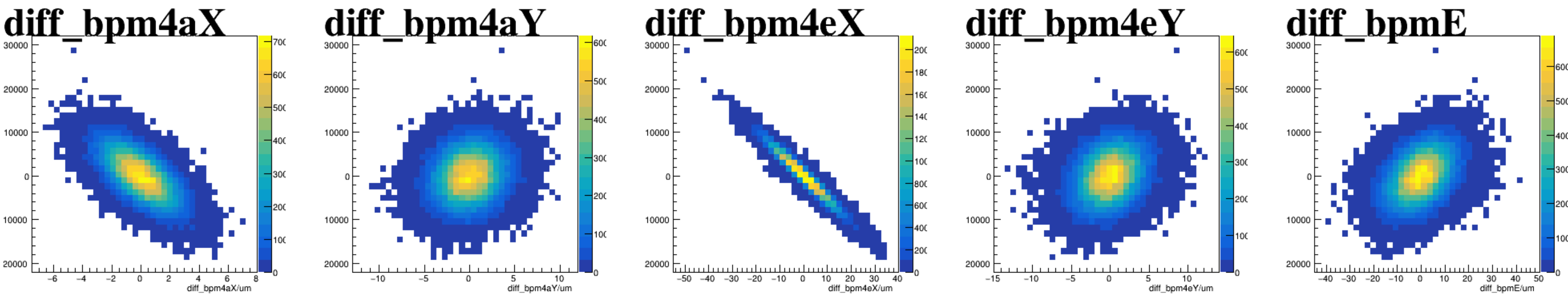
- diff_bpm4aX**: The x-axis is labeled $\text{diff_bpm4aX}/\mu\text{m}$ and ranges from -6 to 8. The y-axis ranges from -4000 to 5000.
- diff_bpm4aY**: The x-axis is labeled $\text{diff_bpm4aY}/\mu\text{m}$ and ranges from -10 to 10. The y-axis ranges from -4000 to 5000.
- diff_bpm4eX**: The x-axis is labeled $\text{diff_bpm4eX}/\mu\text{m}$ and ranges from -50 to 40. The y-axis ranges from -4000 to 5000.
- diff_bpm4eY**: The x-axis is labeled $\text{diff_bpm4eY}/\mu\text{m}$ and ranges from -15 to 10. The y-axis ranges from -4000 to 5000.
- diff_bpmE**: The x-axis is labeled $\text{diff_bpmE}/\mu\text{m}$ and ranges from -40 to 50. The y-axis ranges from -4000 to 5000.

Each plot shows a dense cloud of points centered around zero, indicating that the differences are generally small and centered around zero.

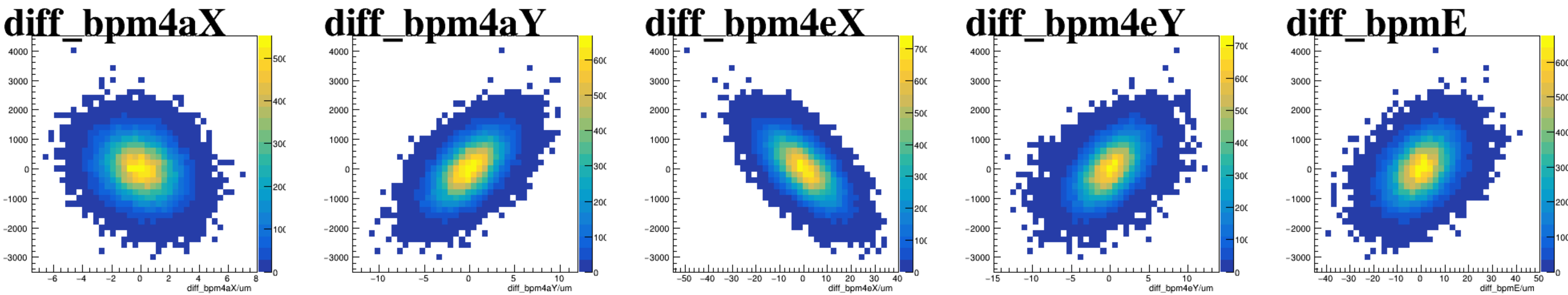
asym_sam1



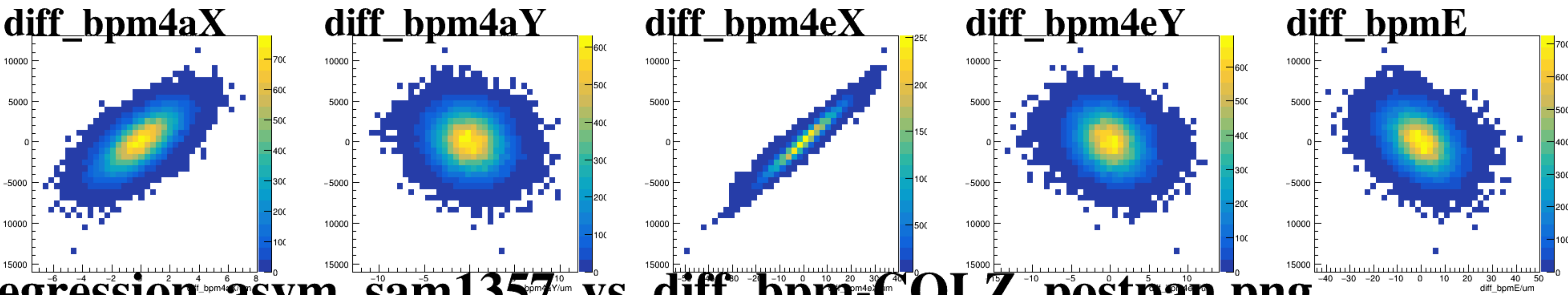
asym_sam3



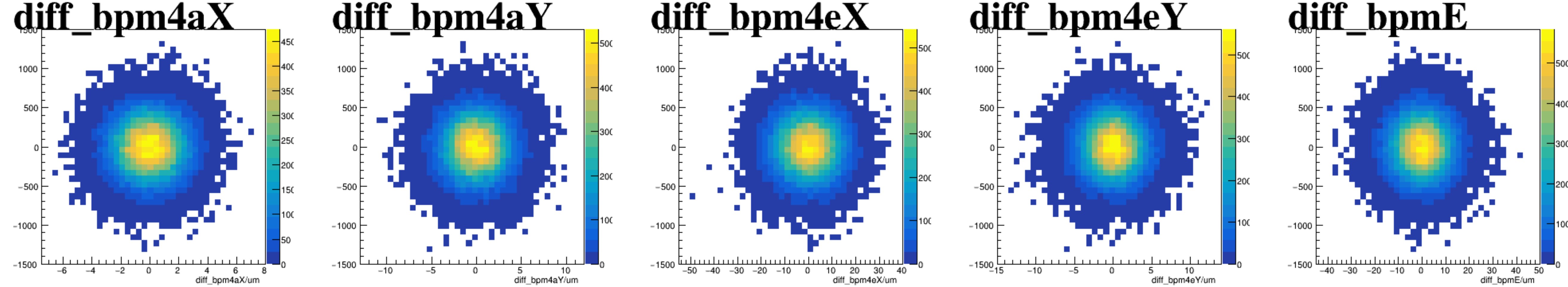
asym_sam5



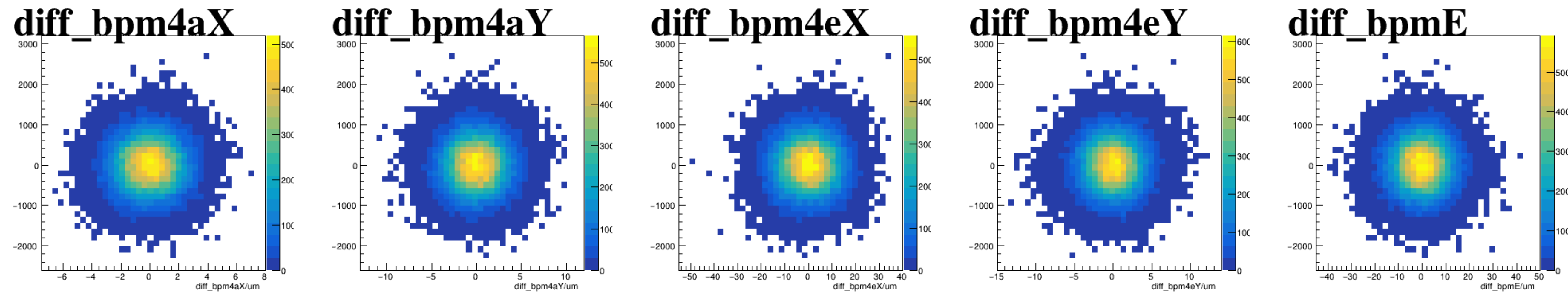
asym_sam7



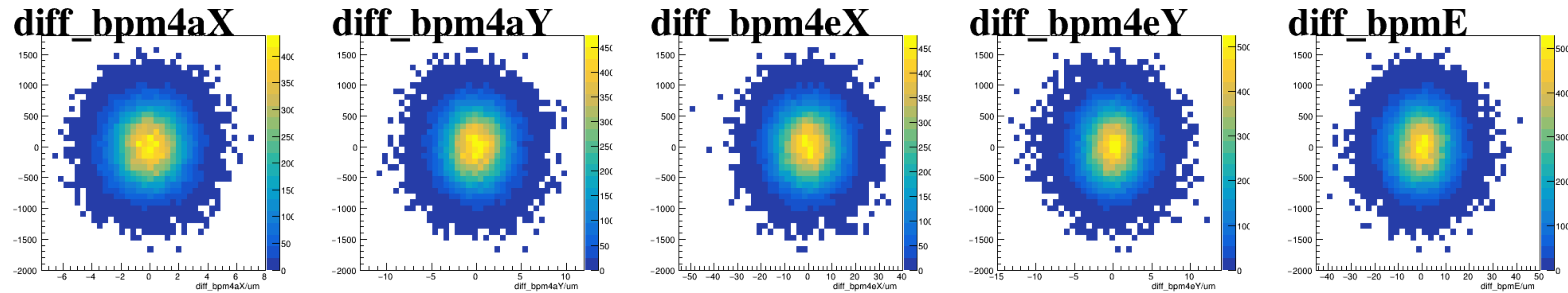
reg_asym_sam1



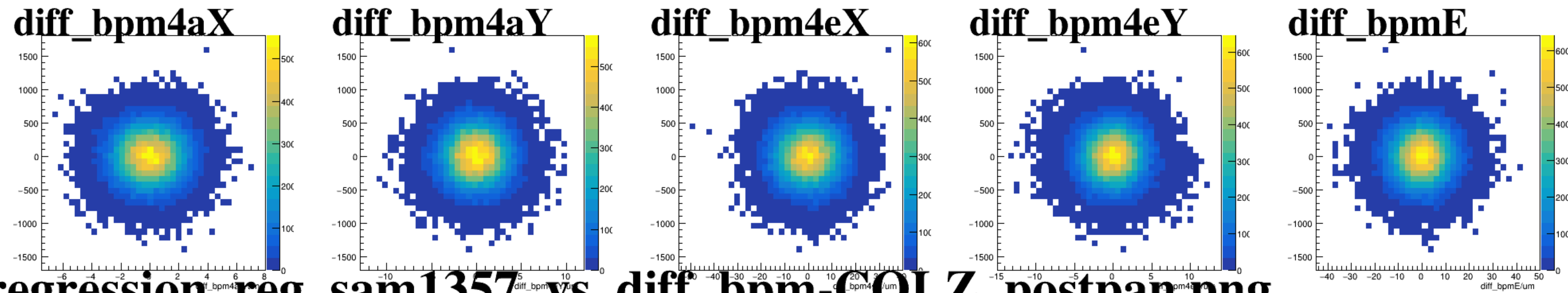
reg_asym_sam3



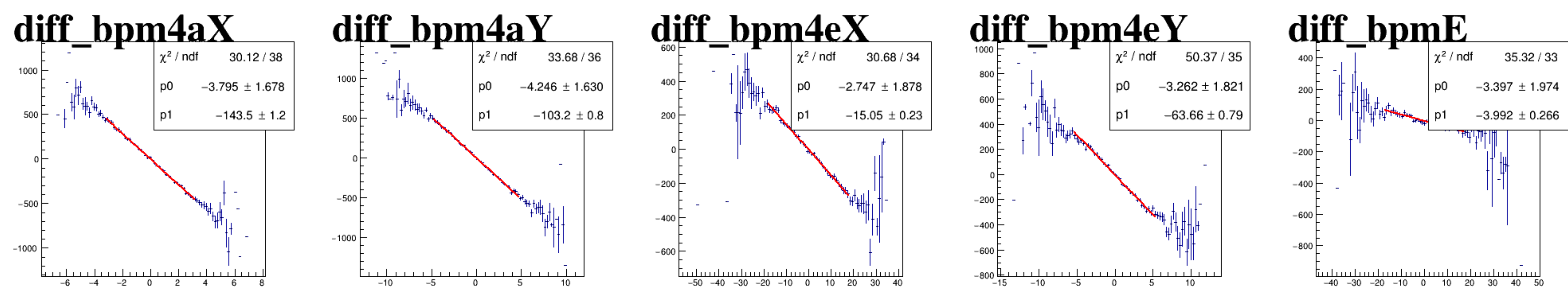
reg_asym_sam5



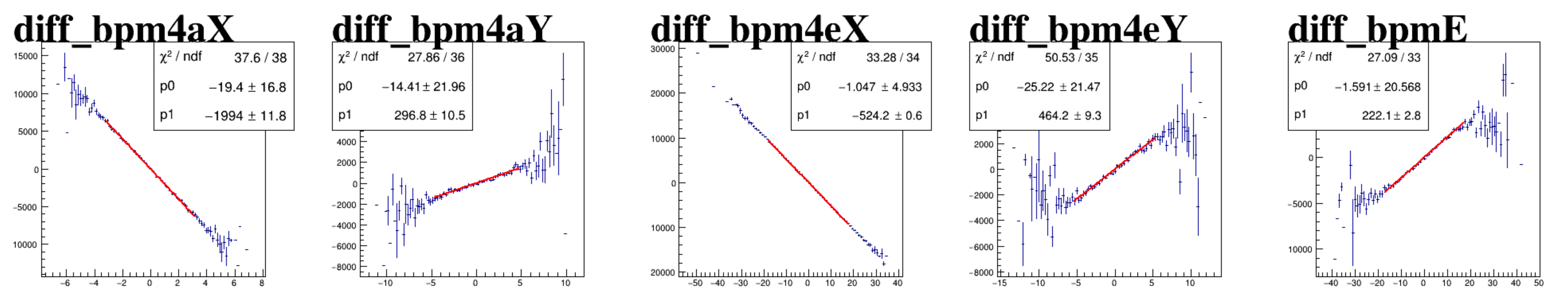
reg_asym_sam7



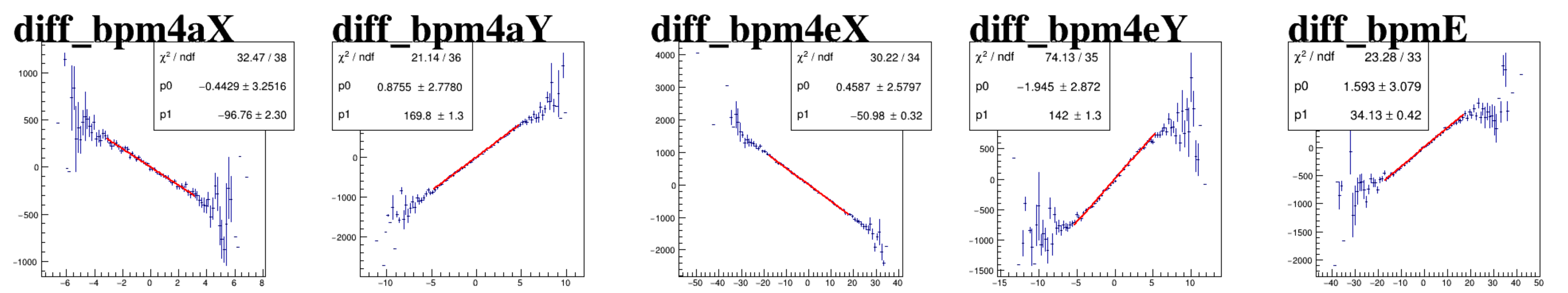
asym_sam1



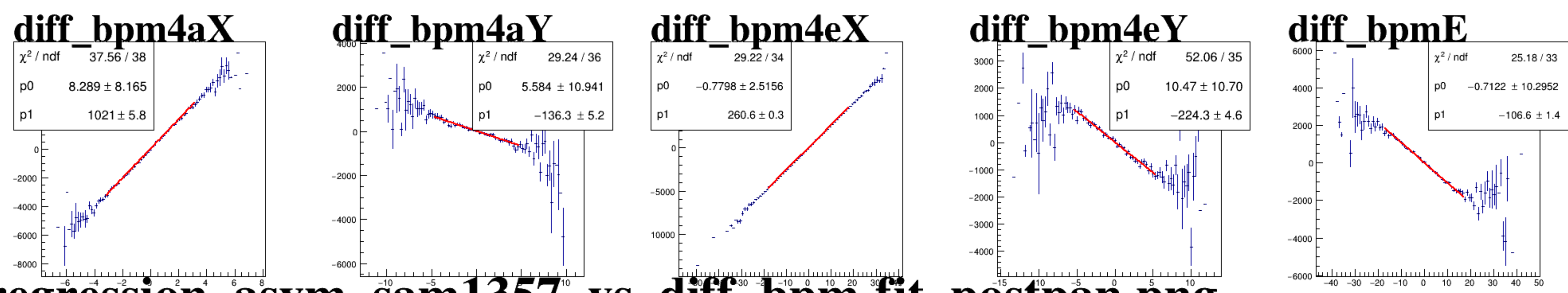
asym_sam3



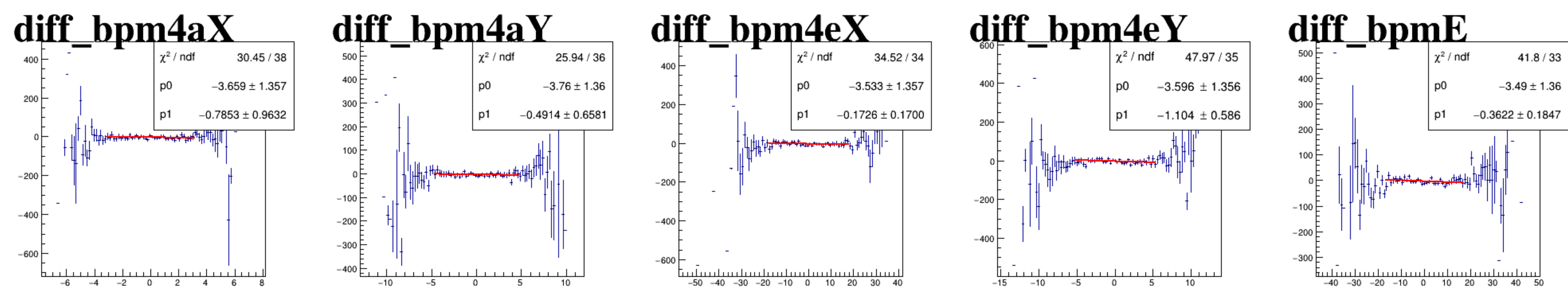
asym_sam5



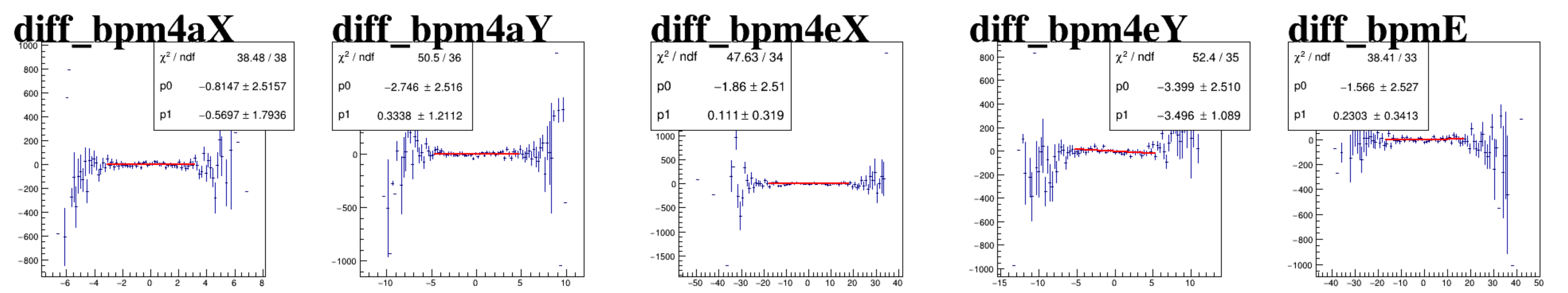
asym_sam7



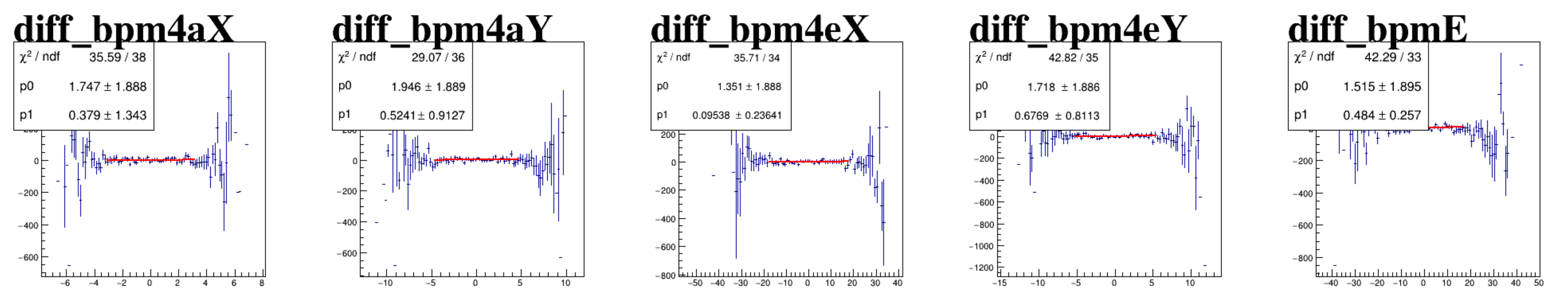
reg_asym_sam1



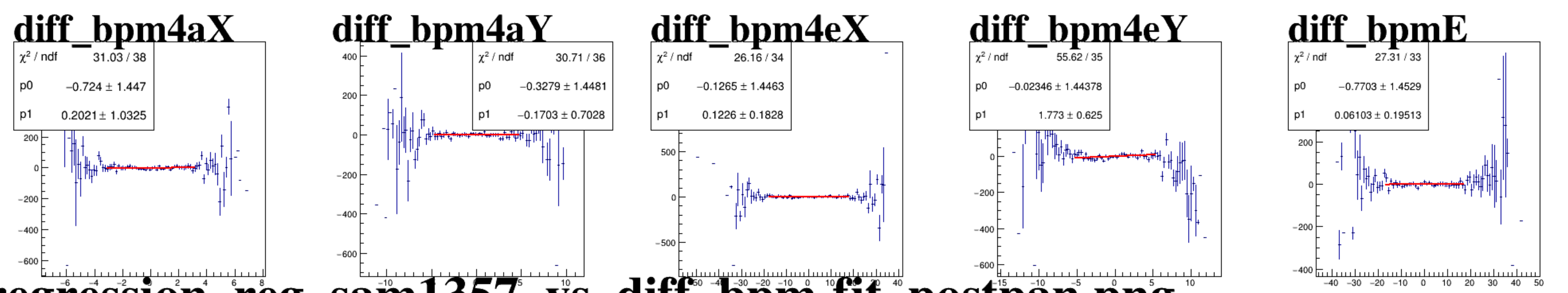
reg_asym_sam3



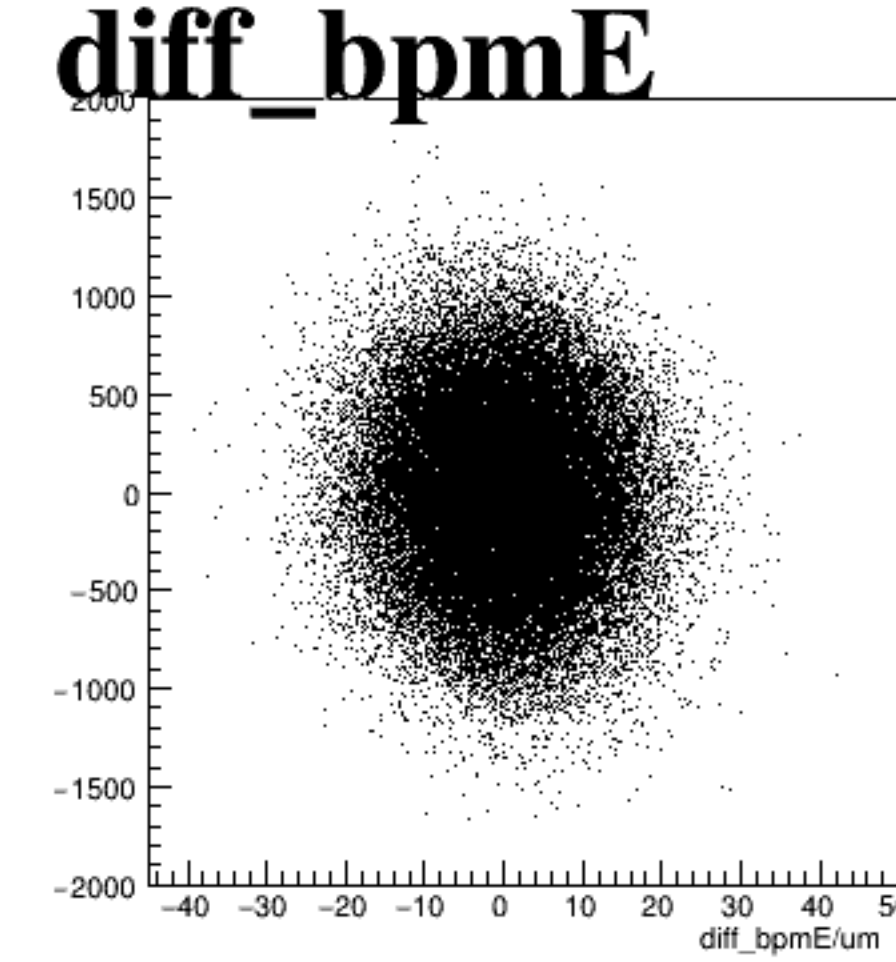
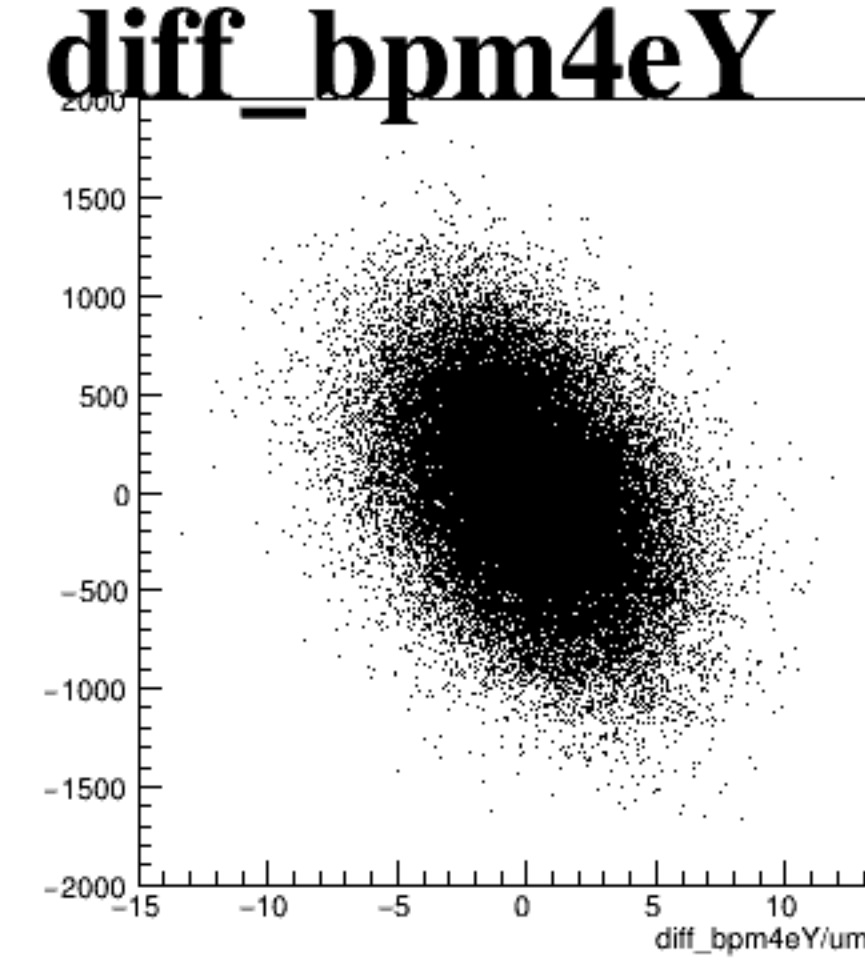
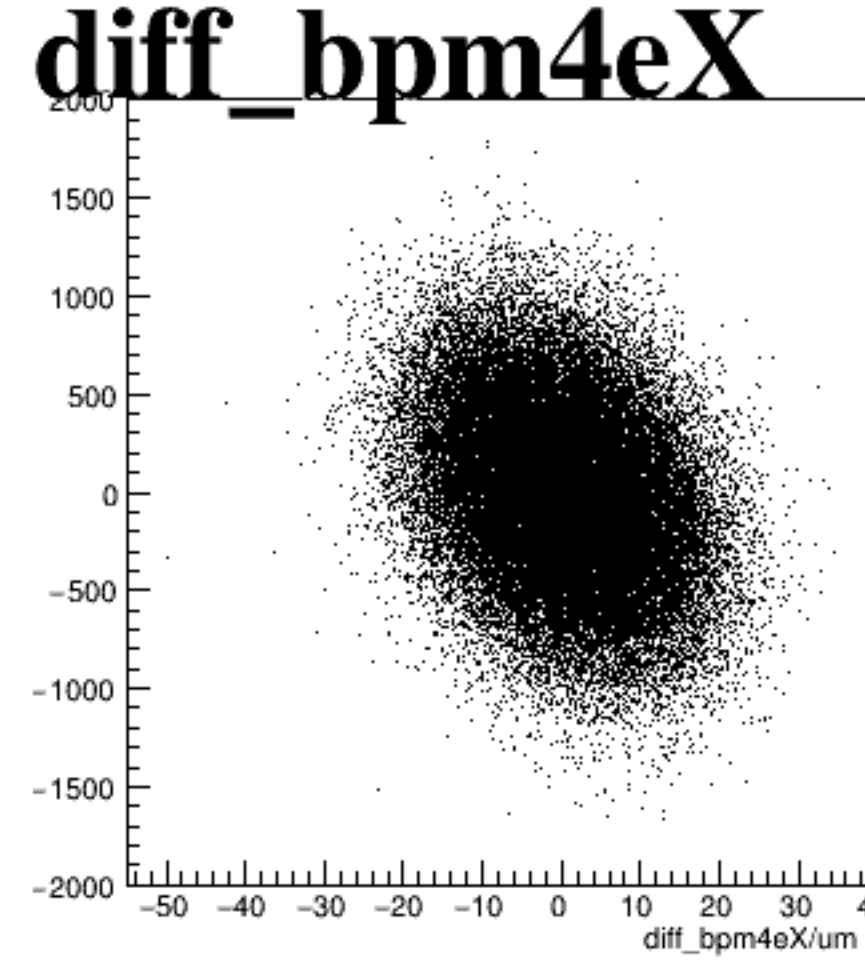
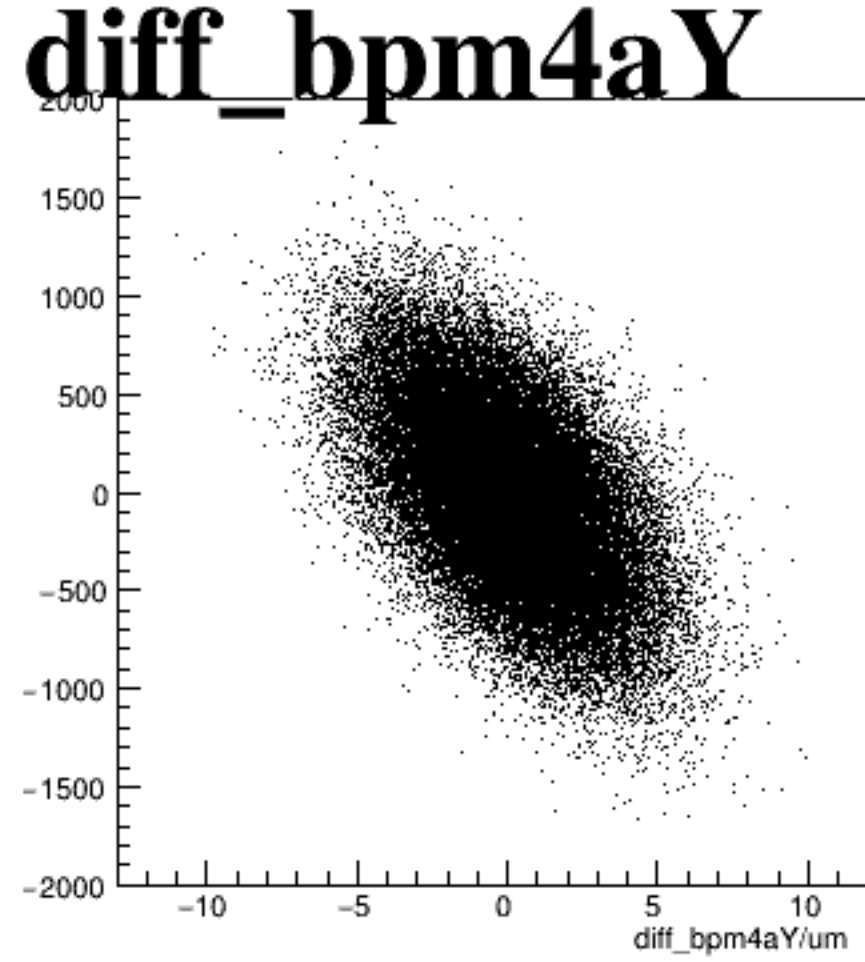
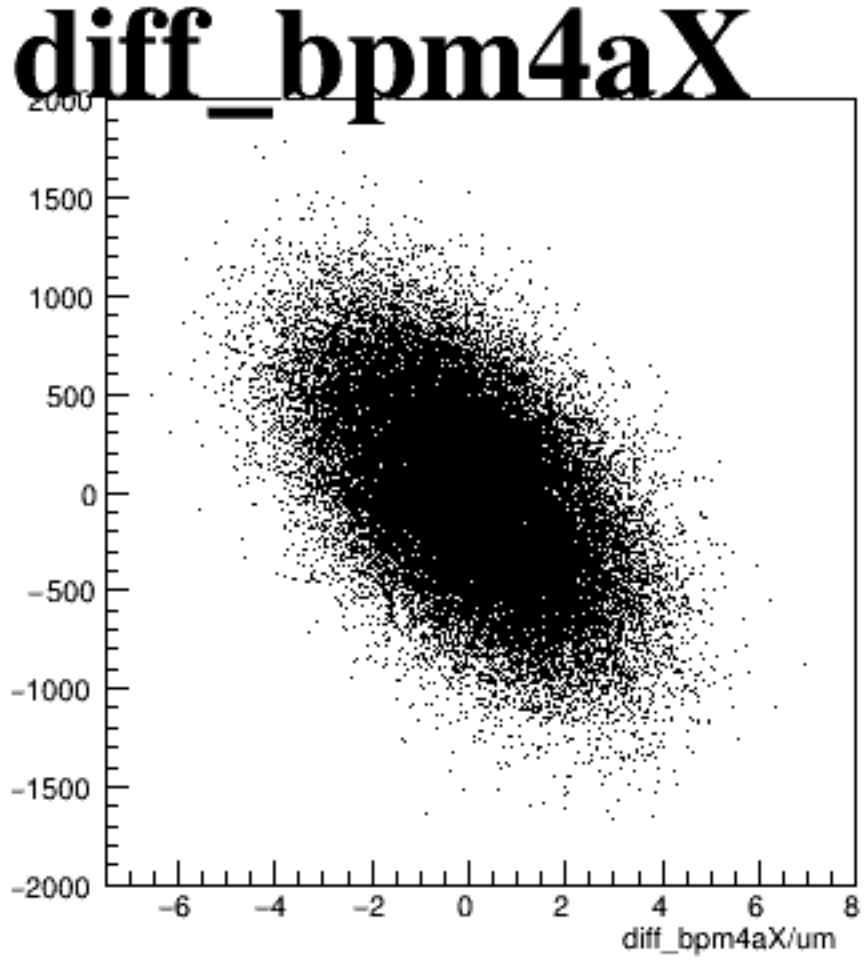
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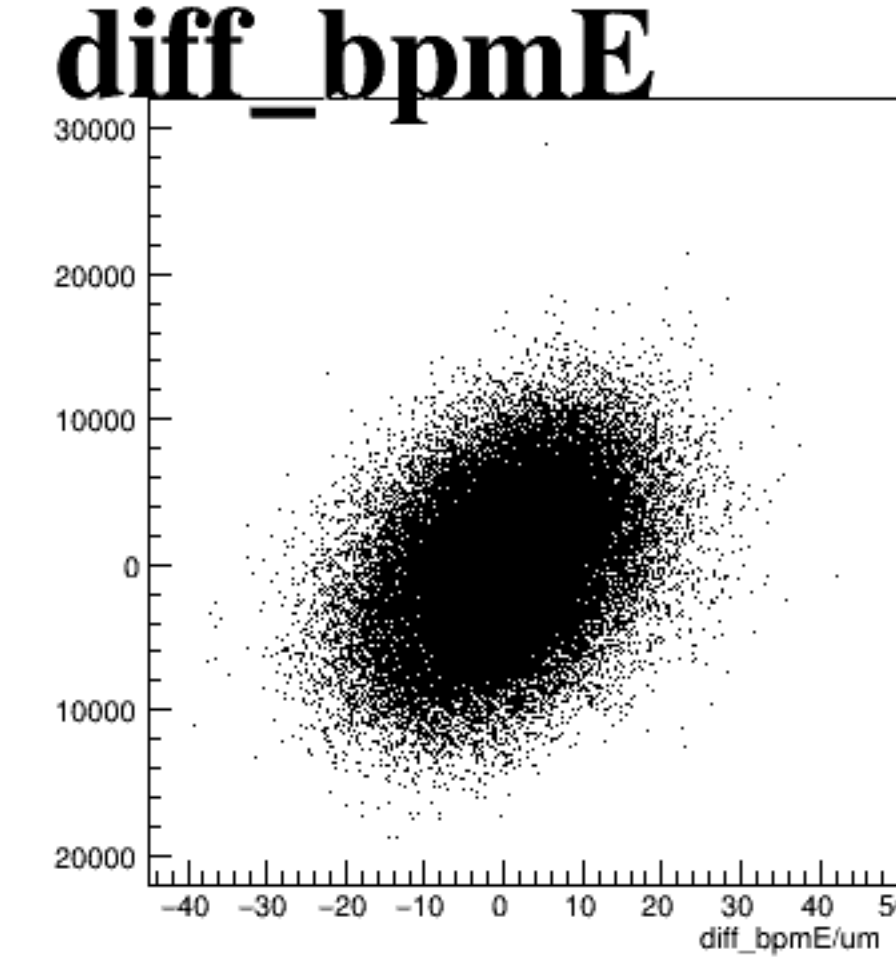
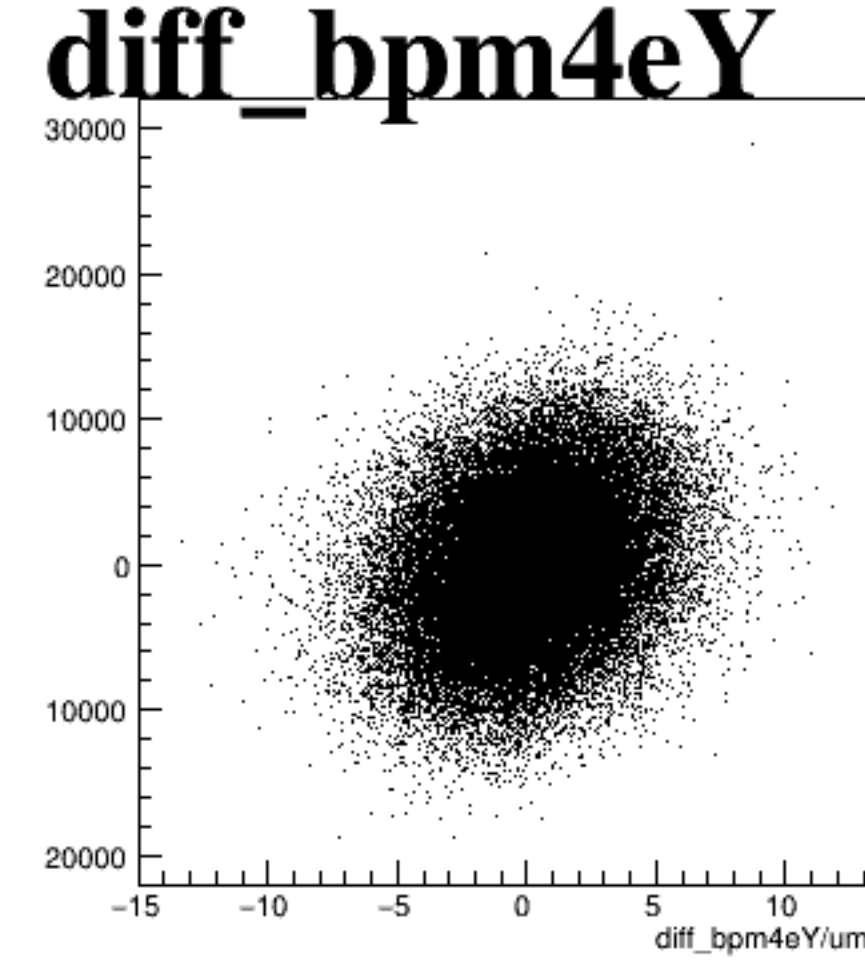
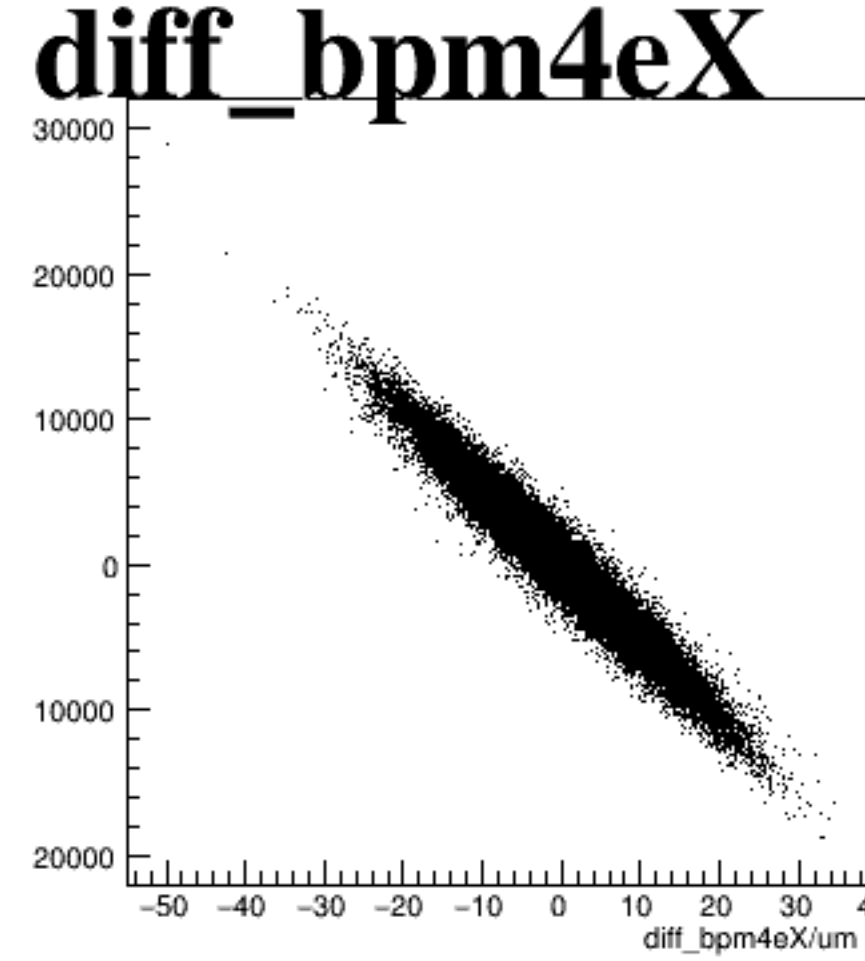
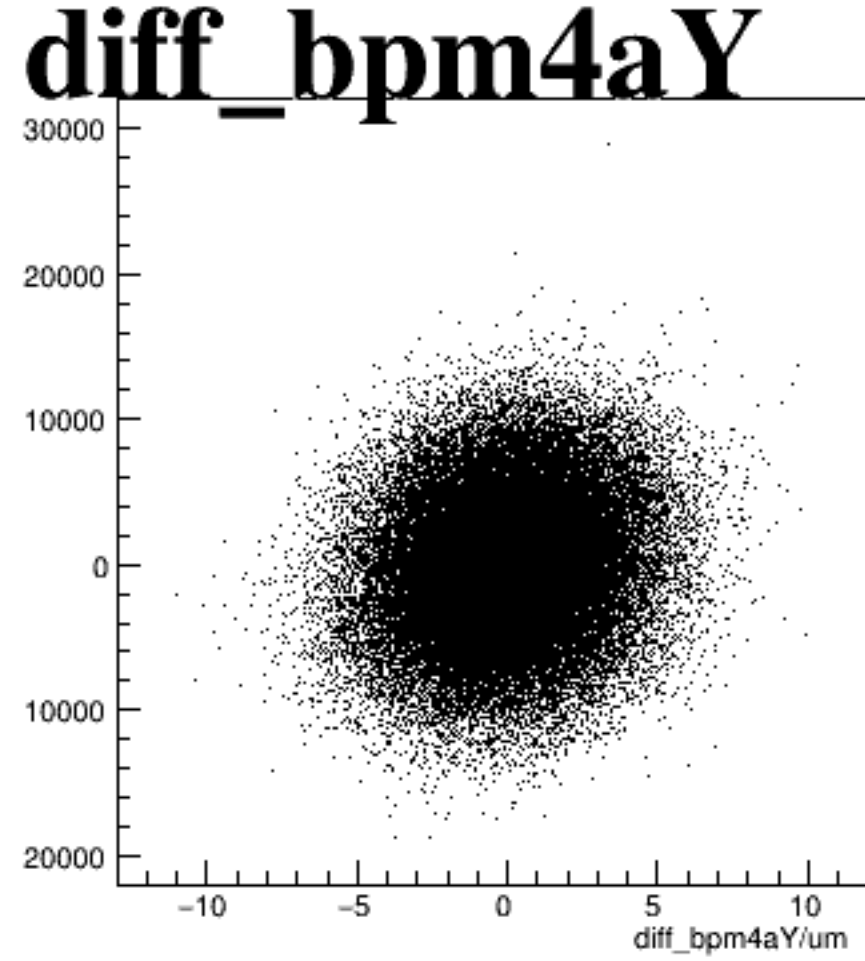
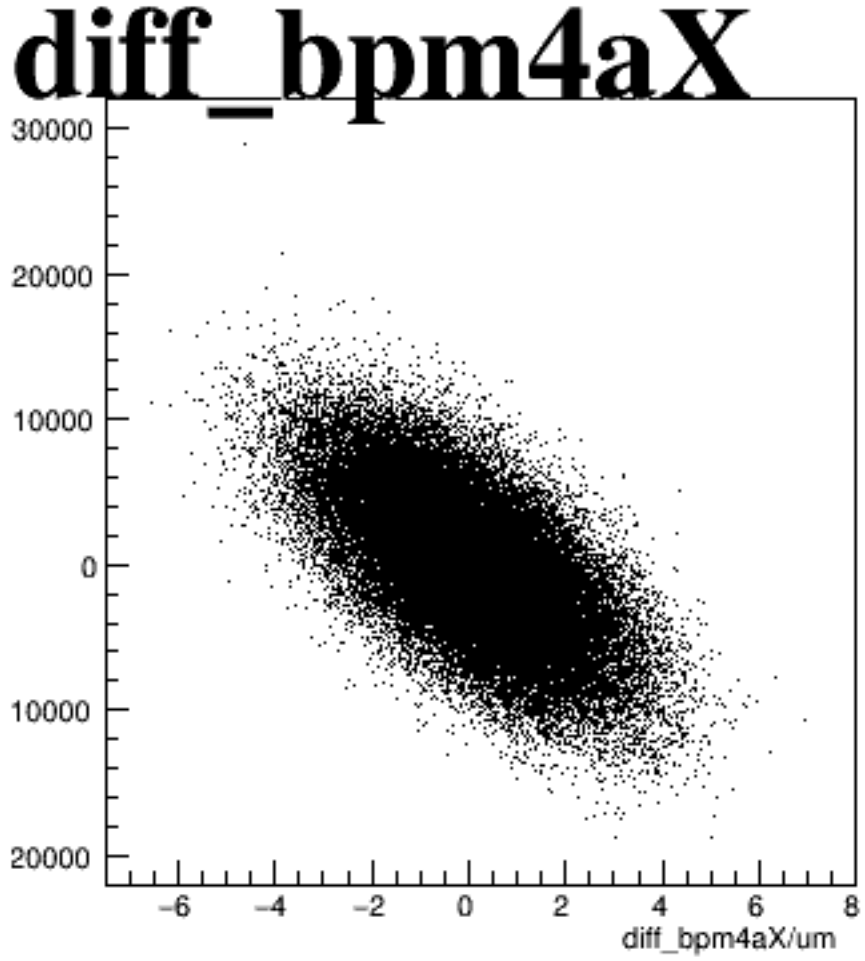
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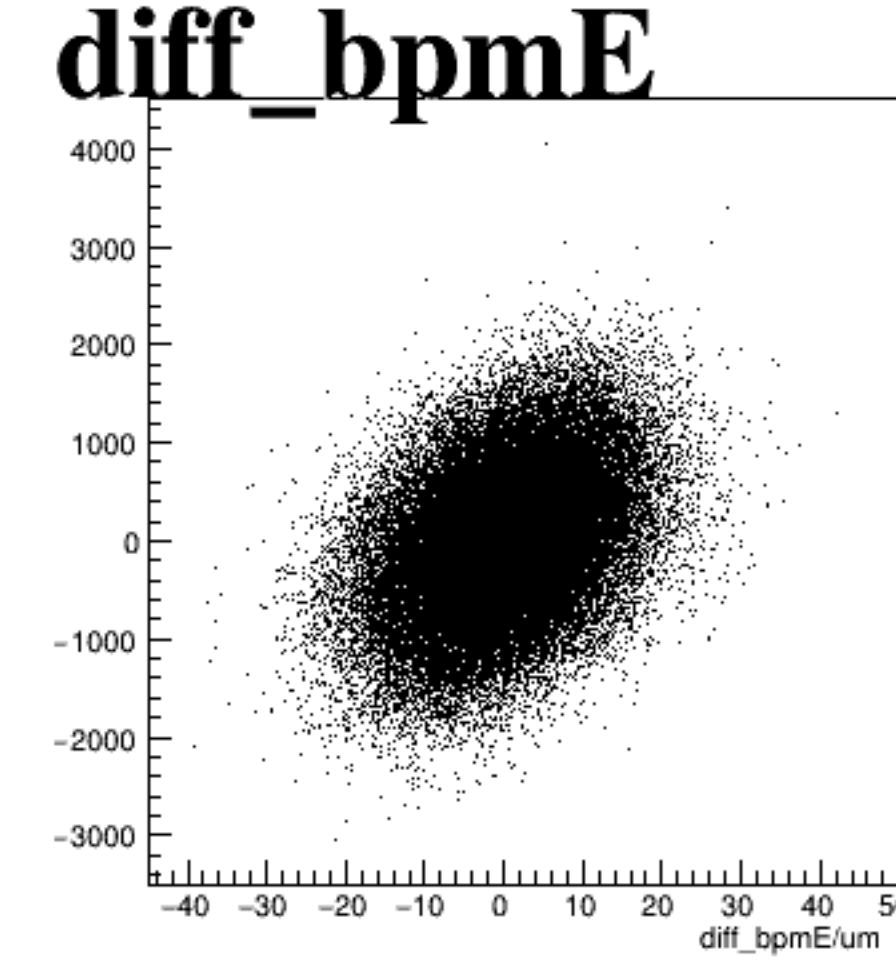
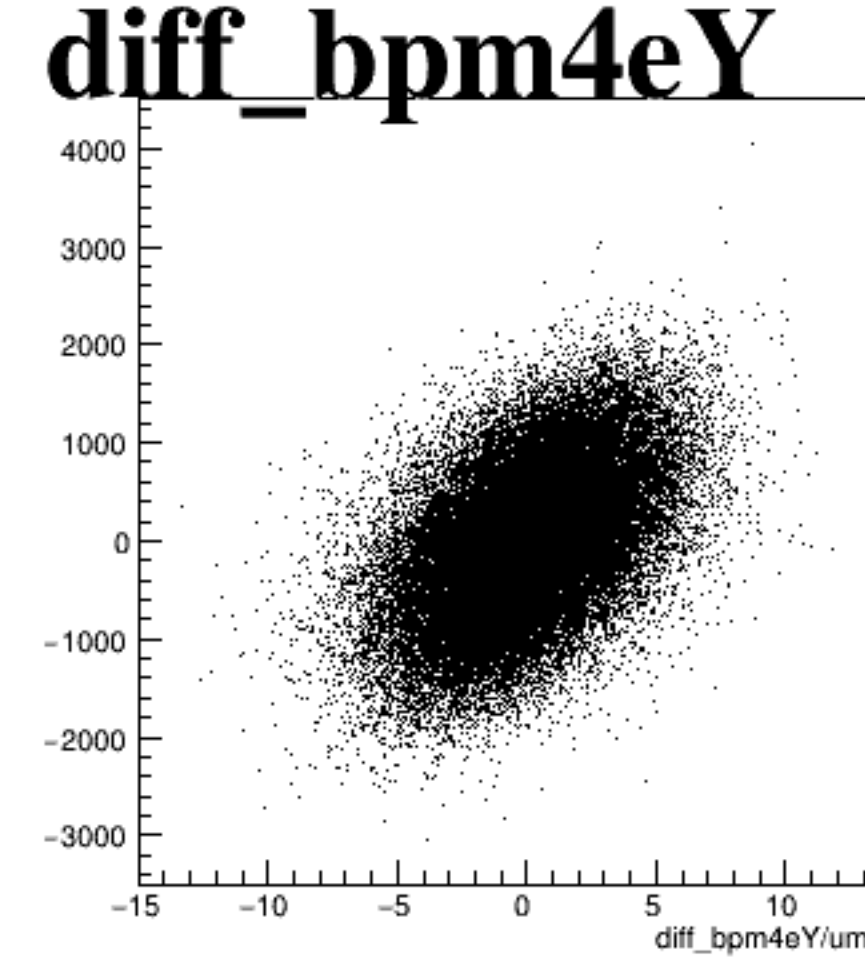
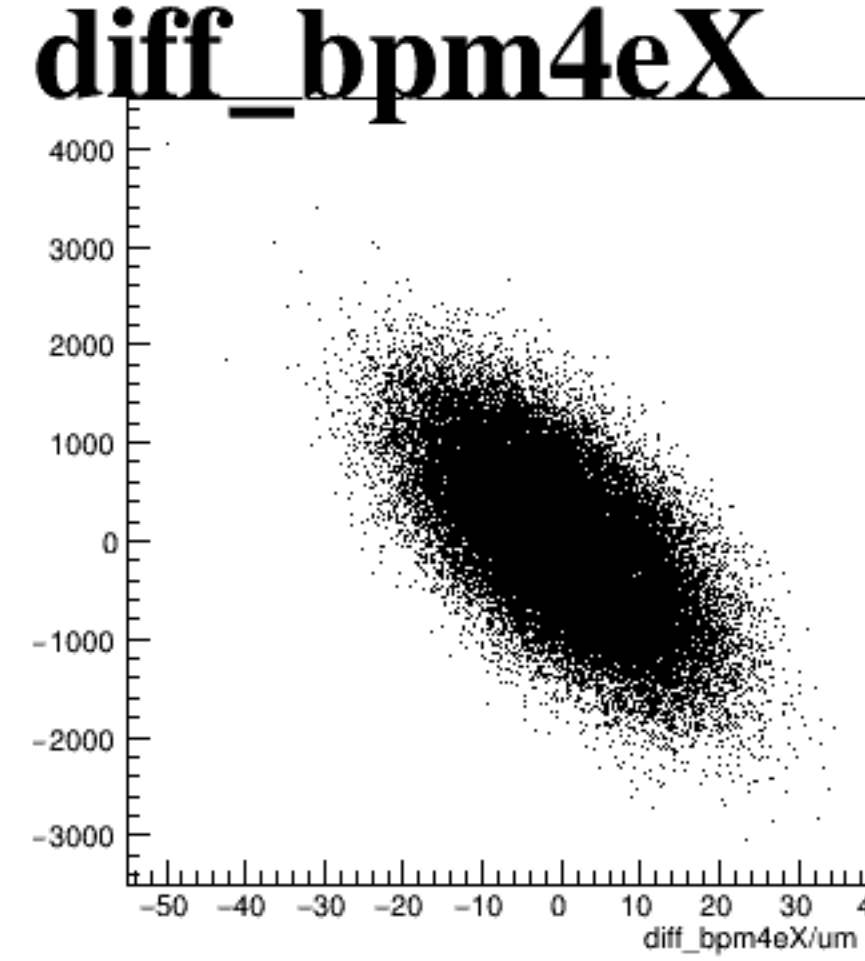
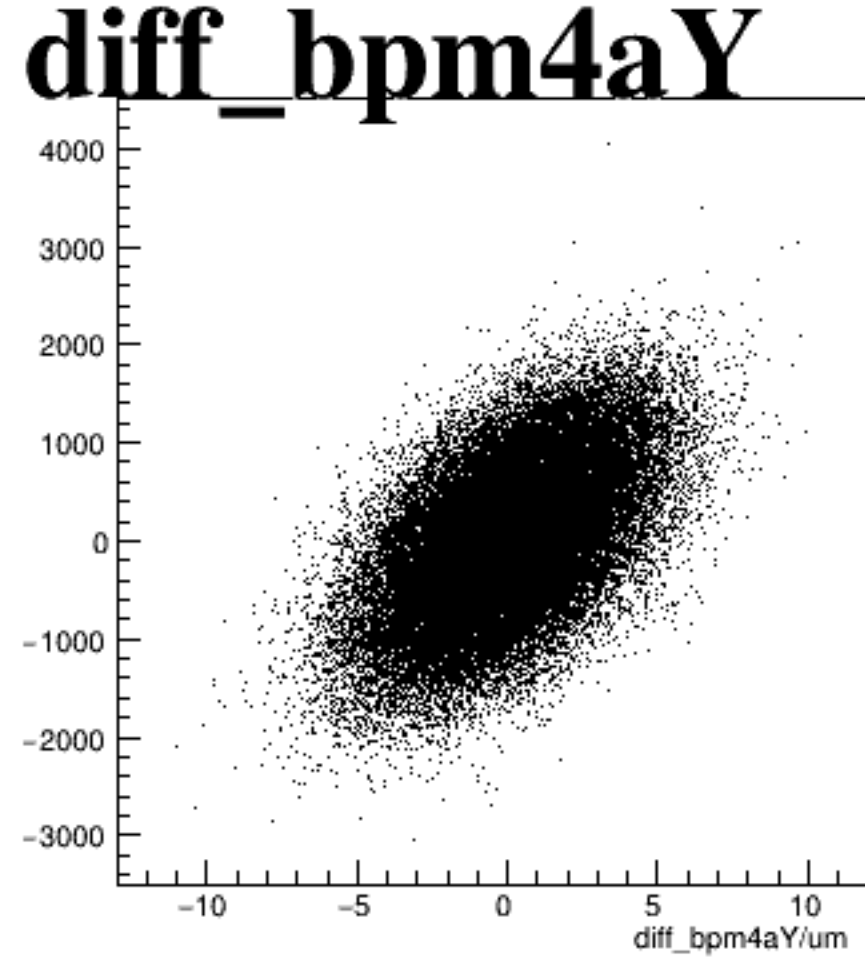
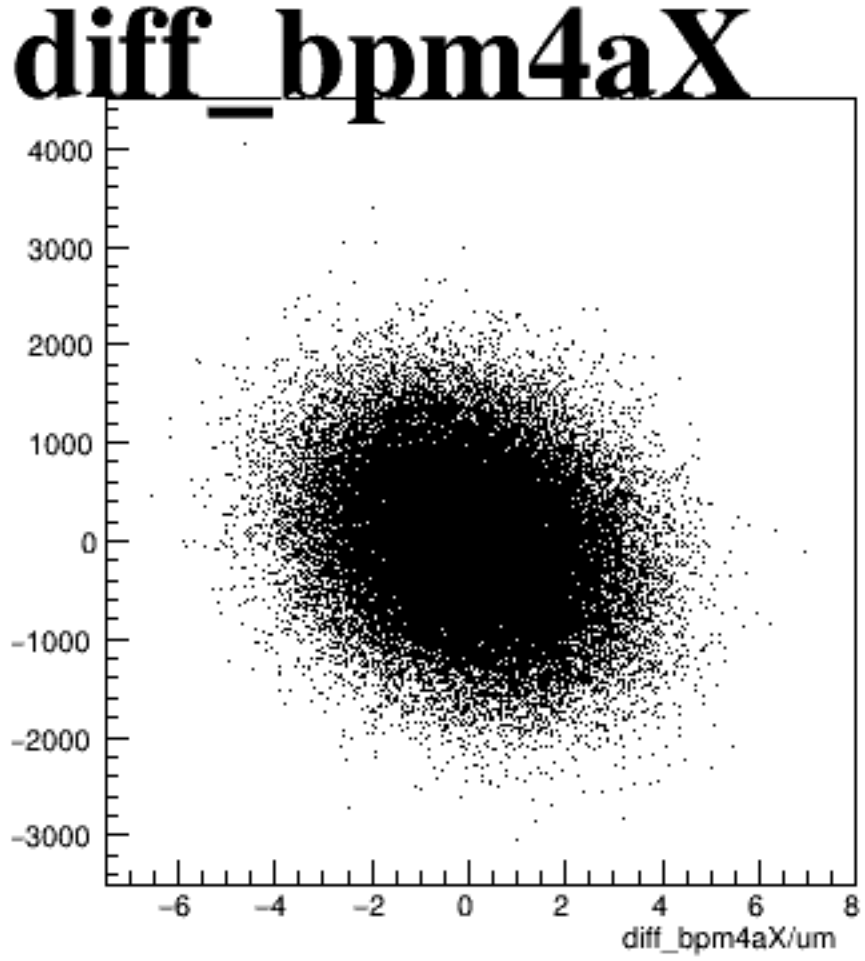
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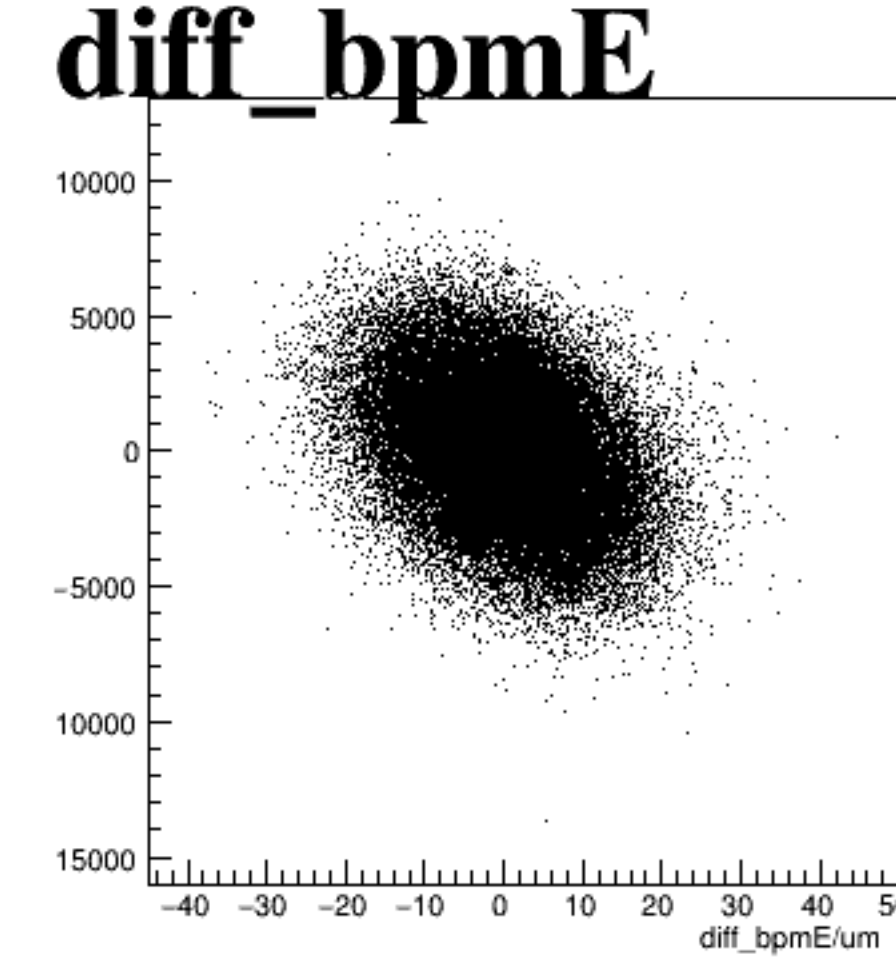
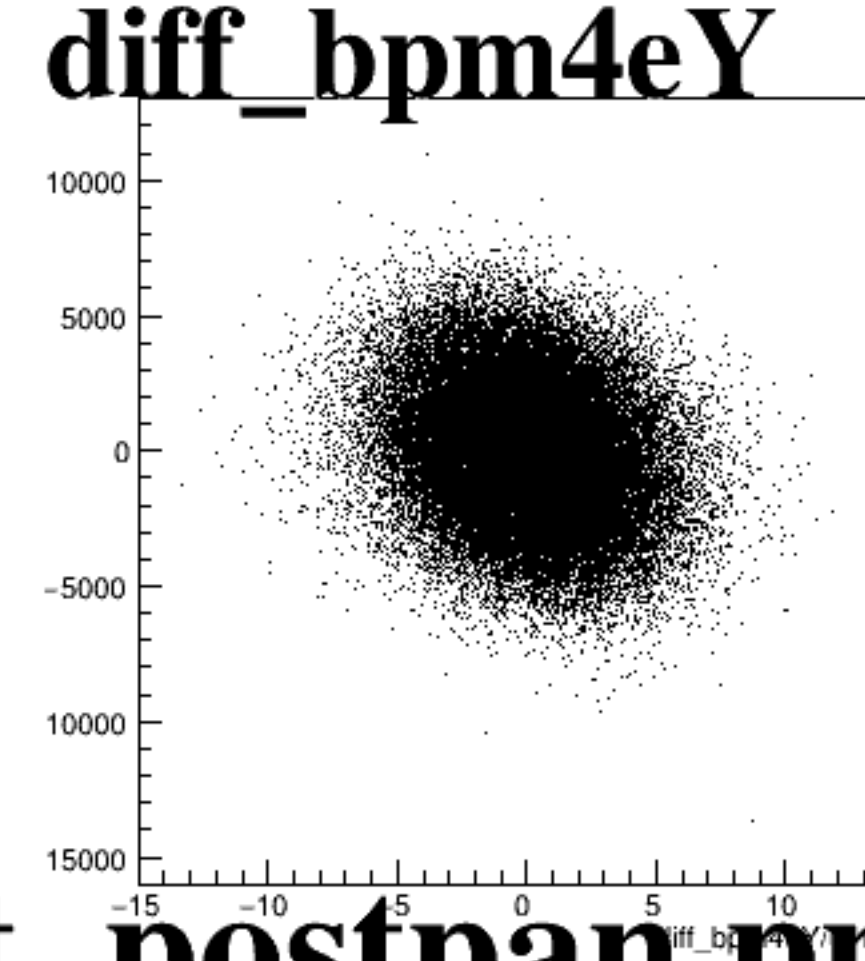
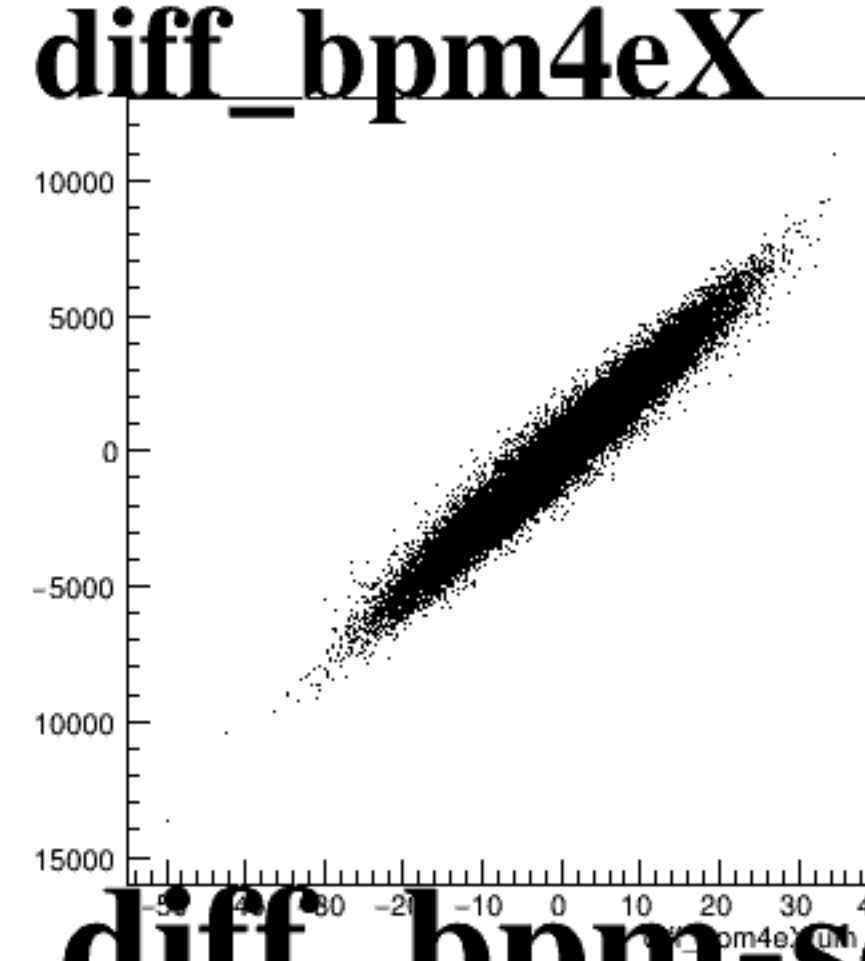
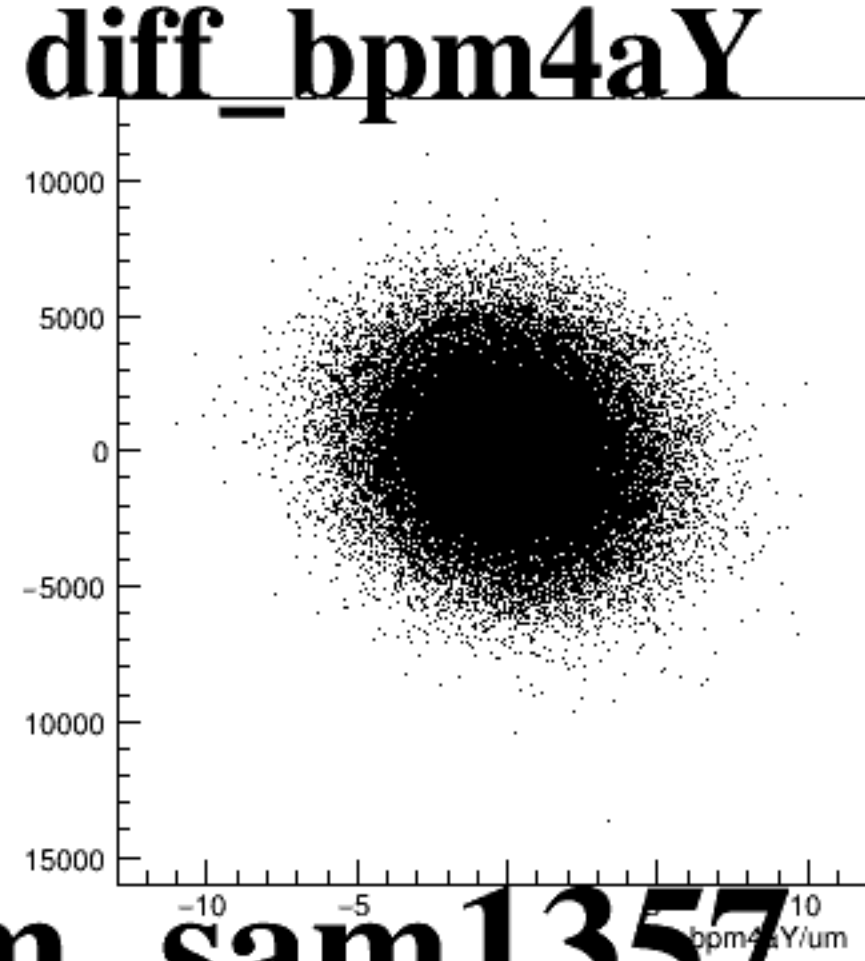
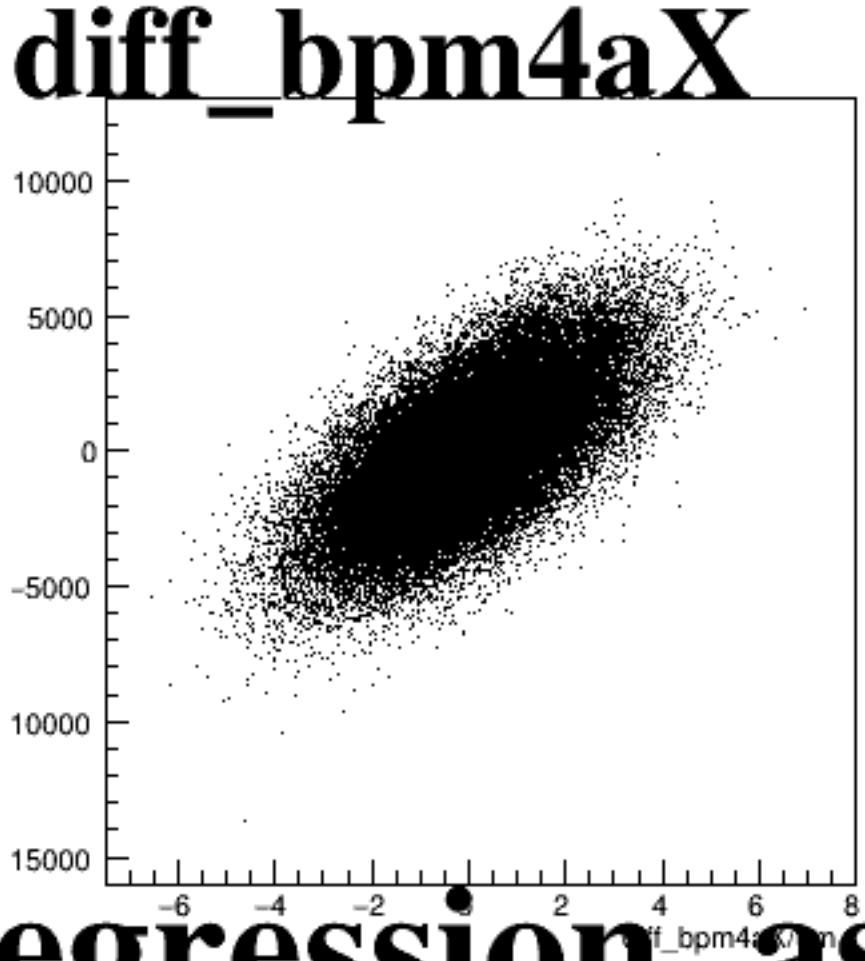
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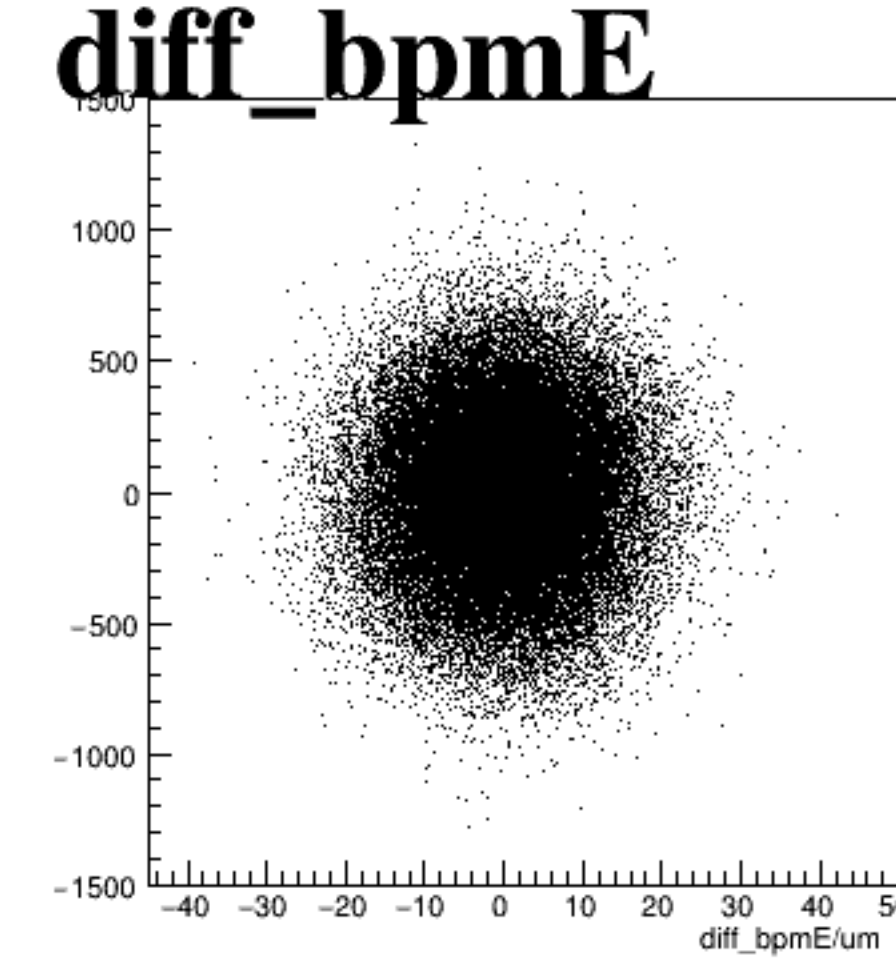
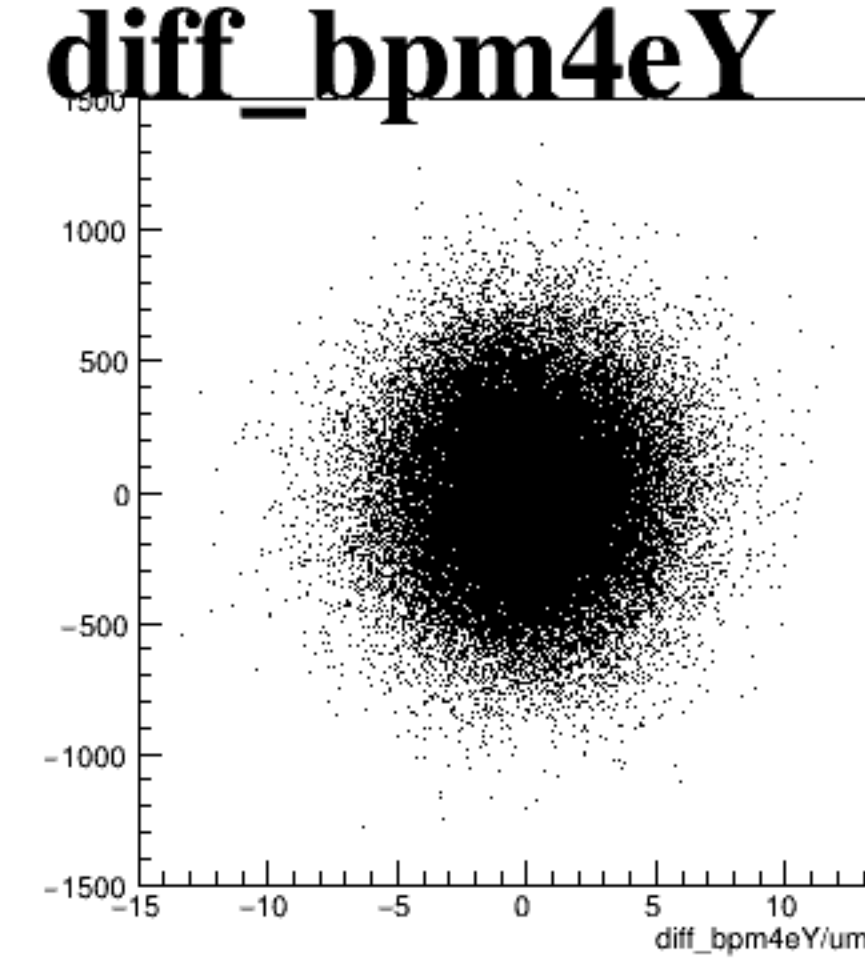
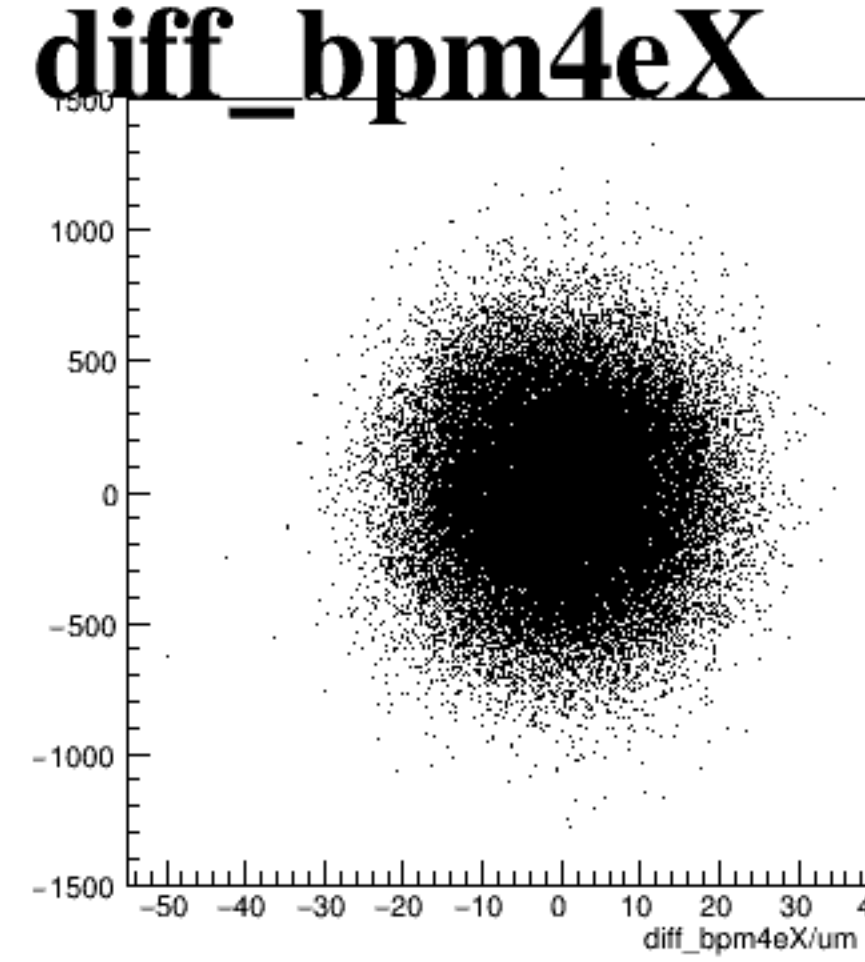
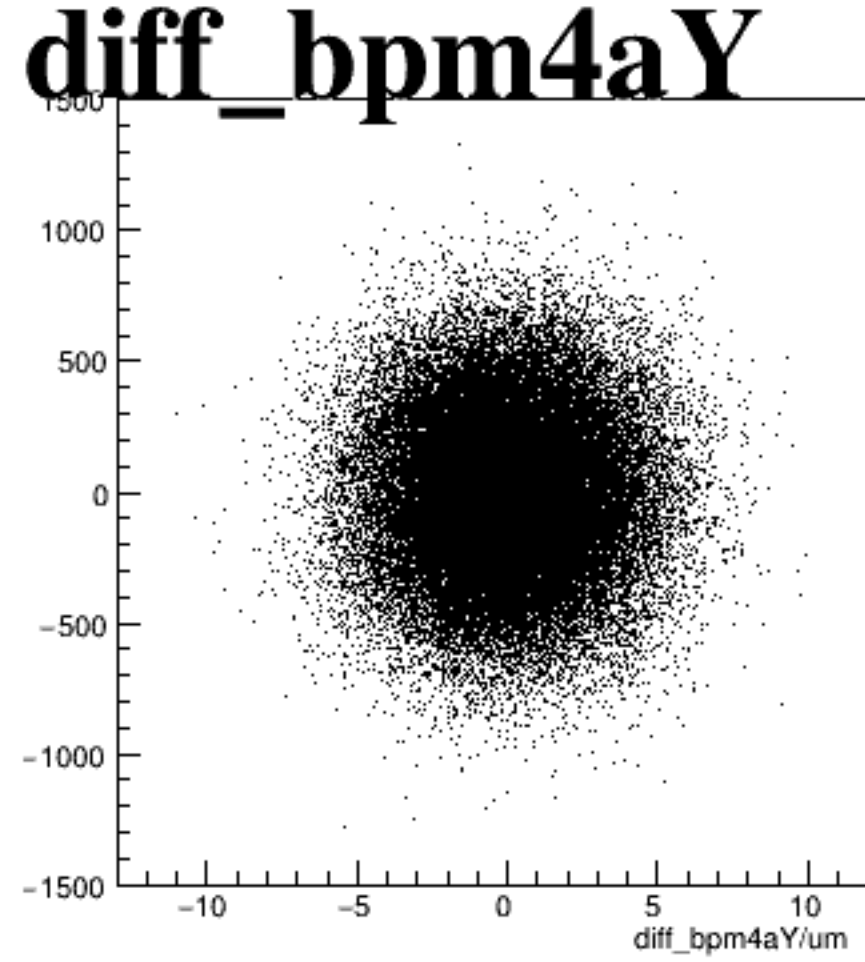
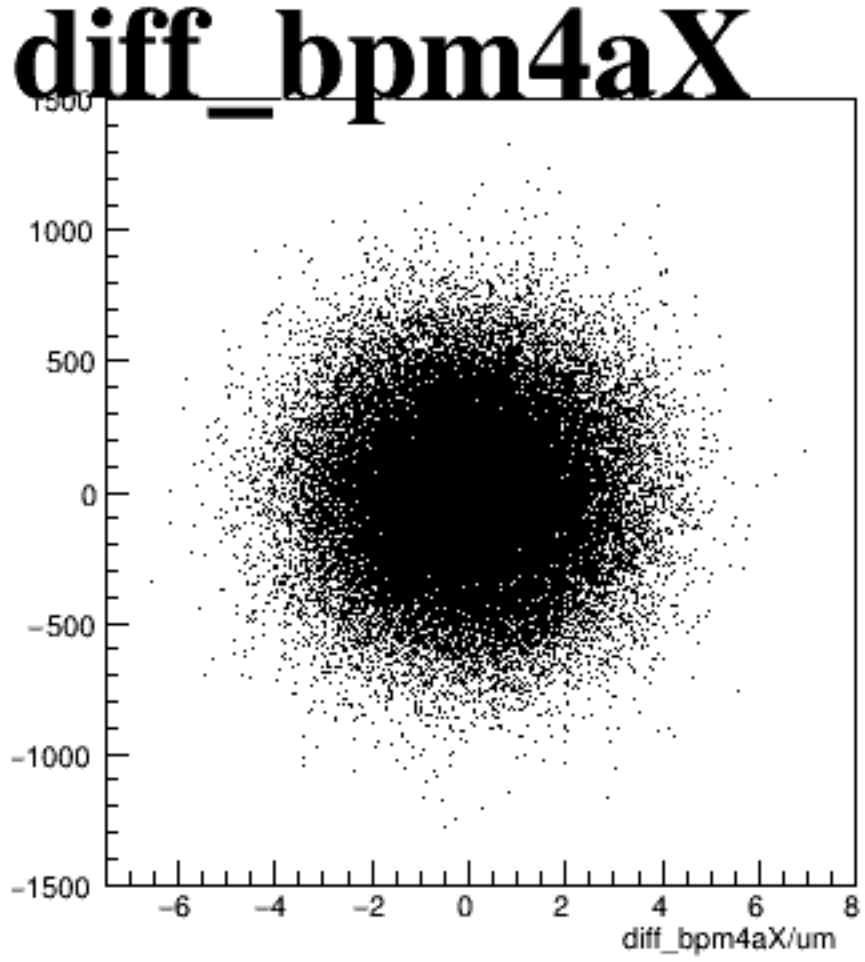
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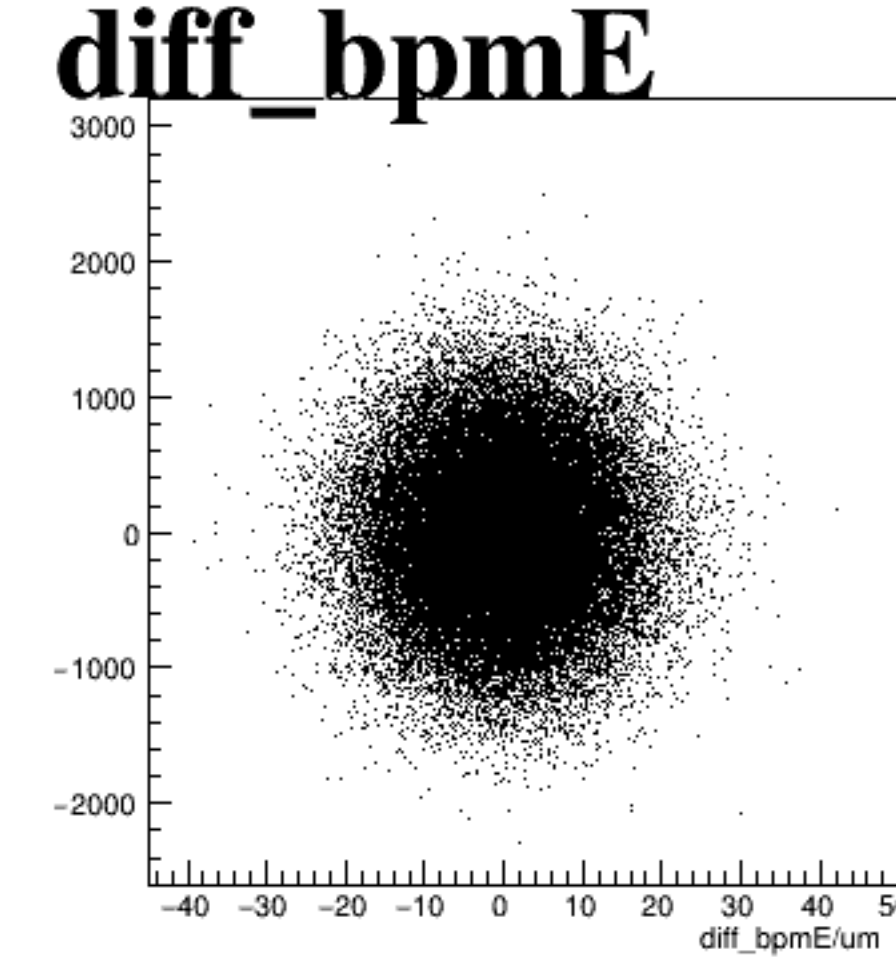
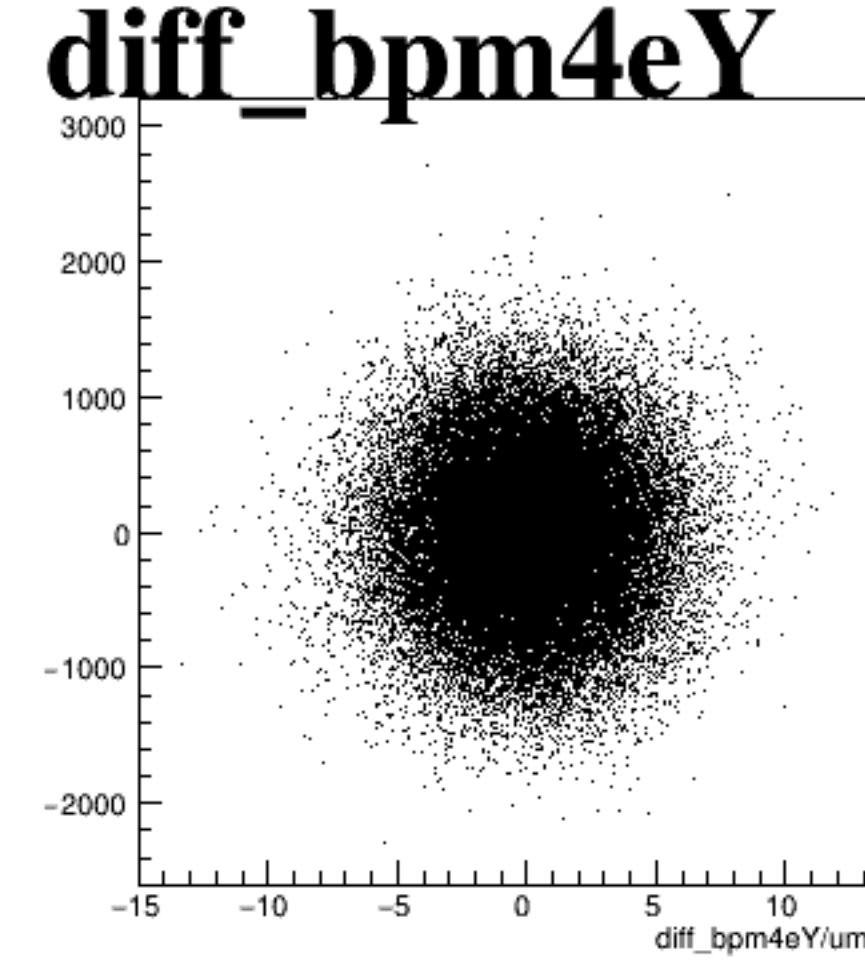
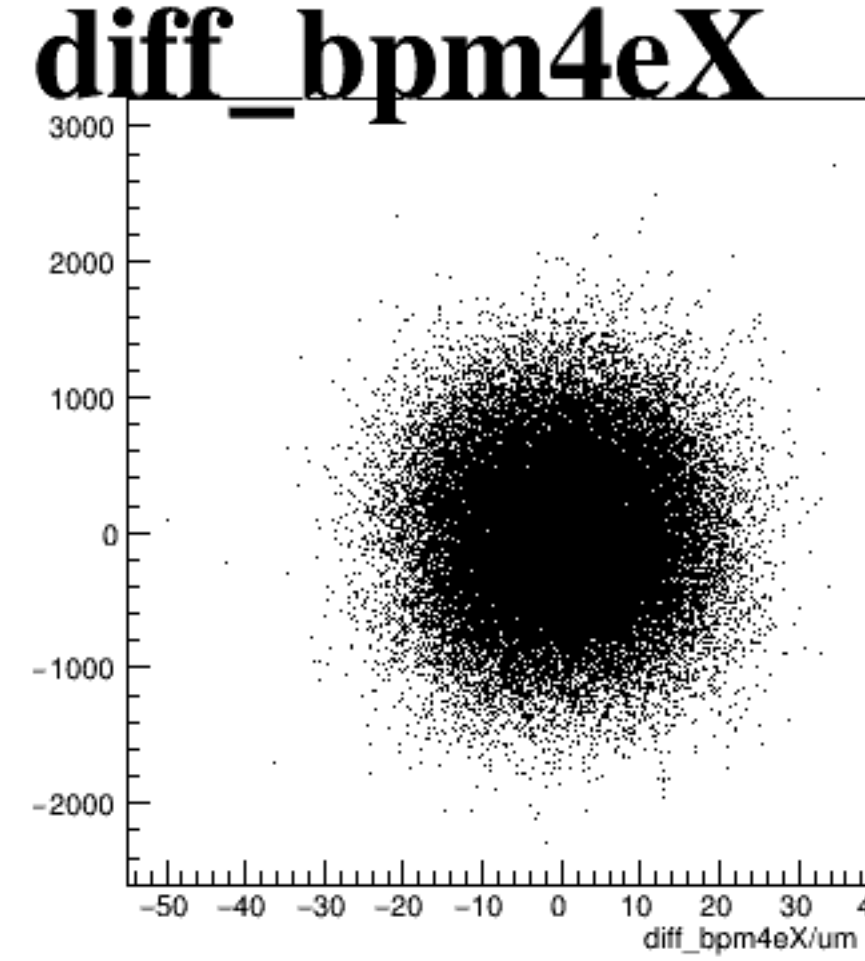
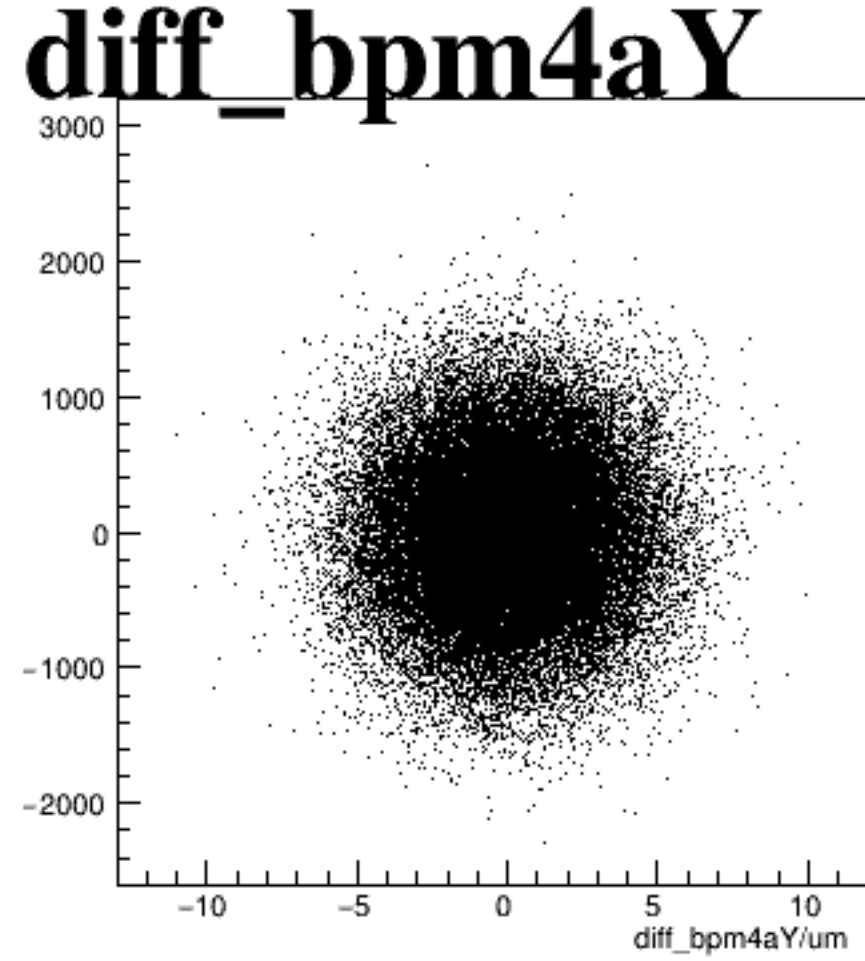
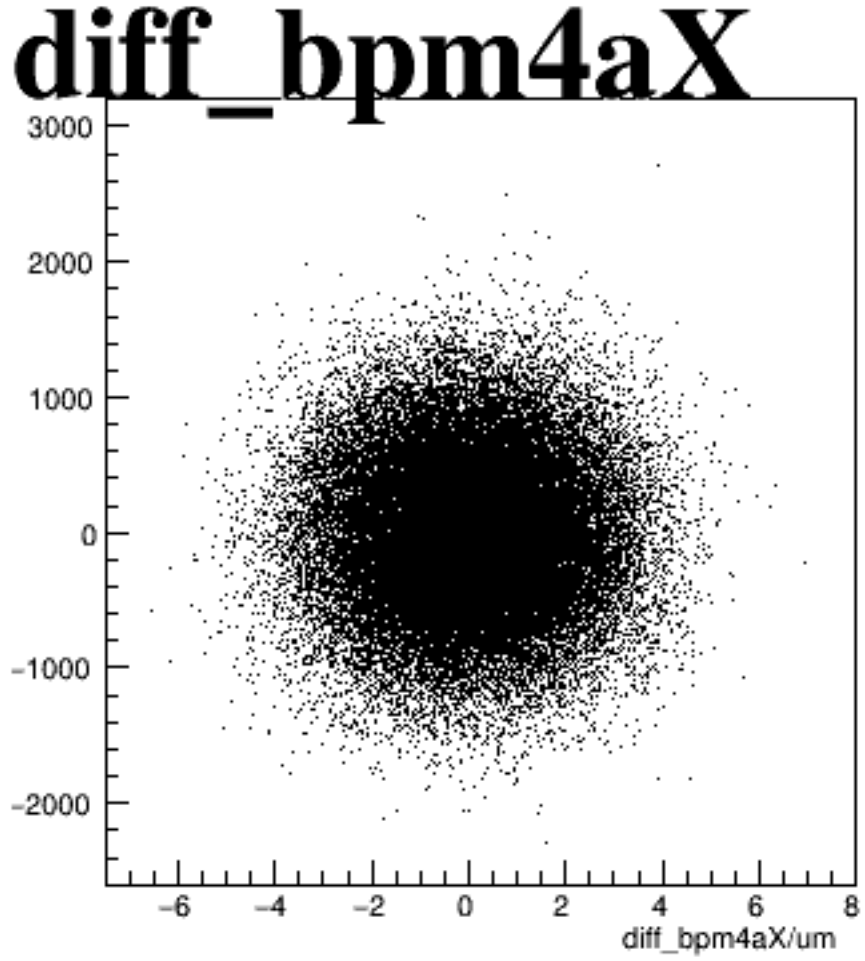
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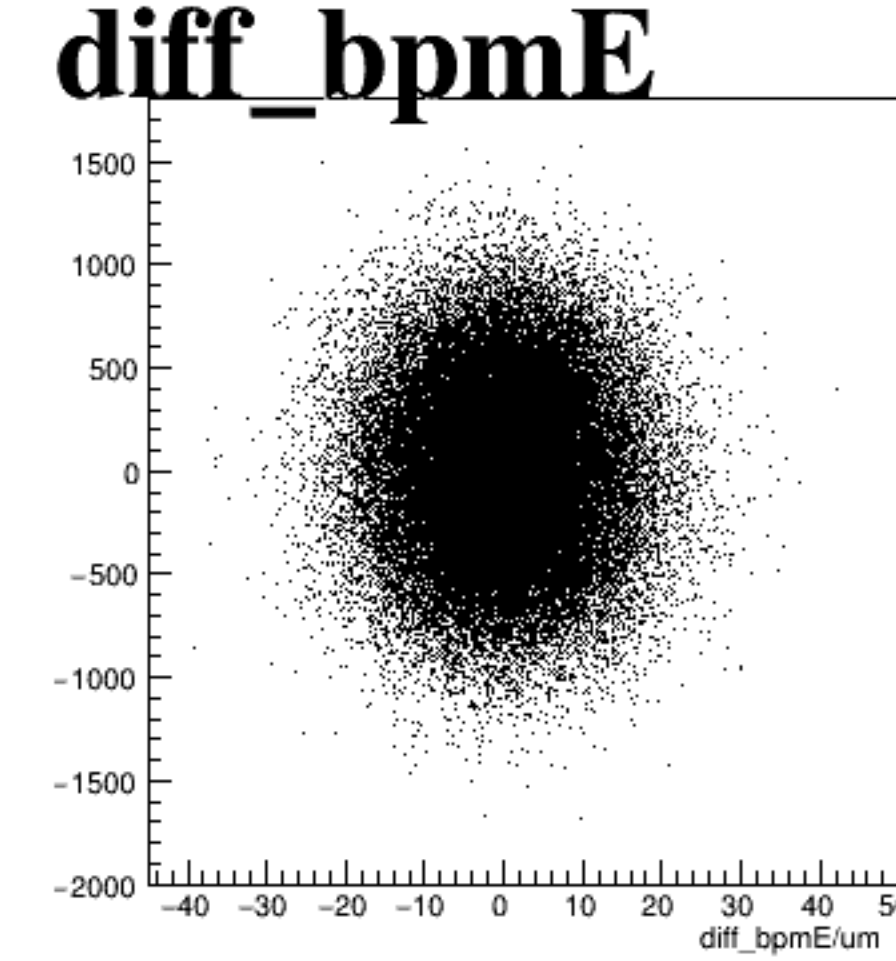
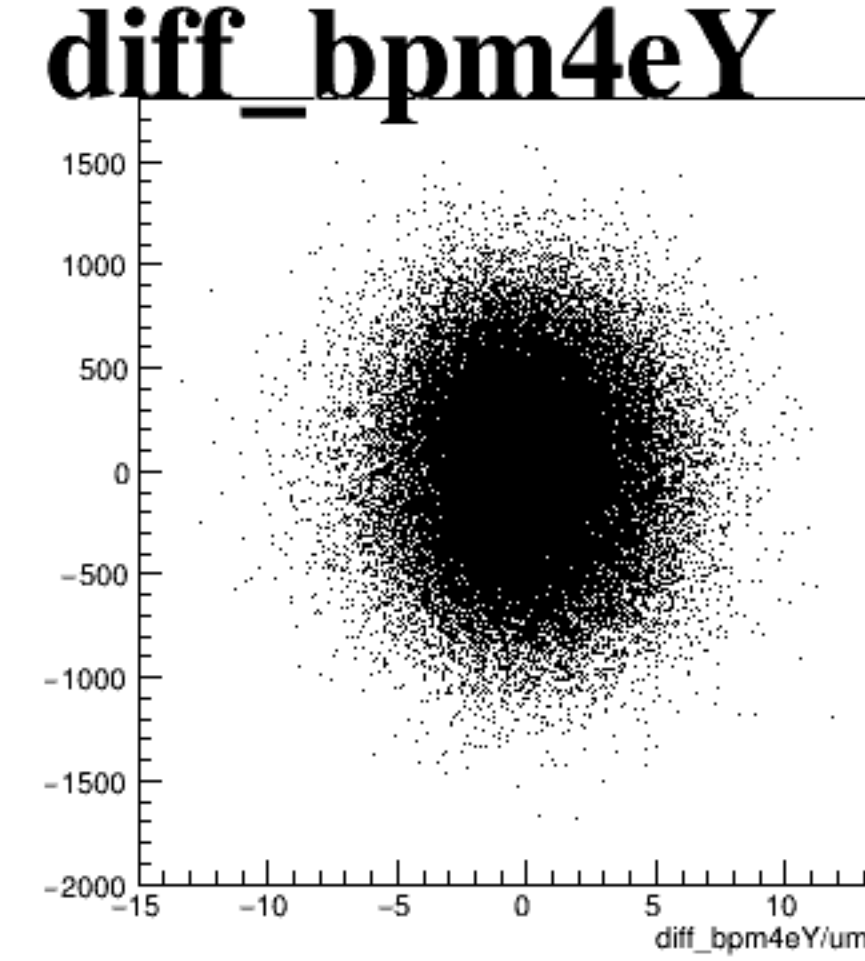
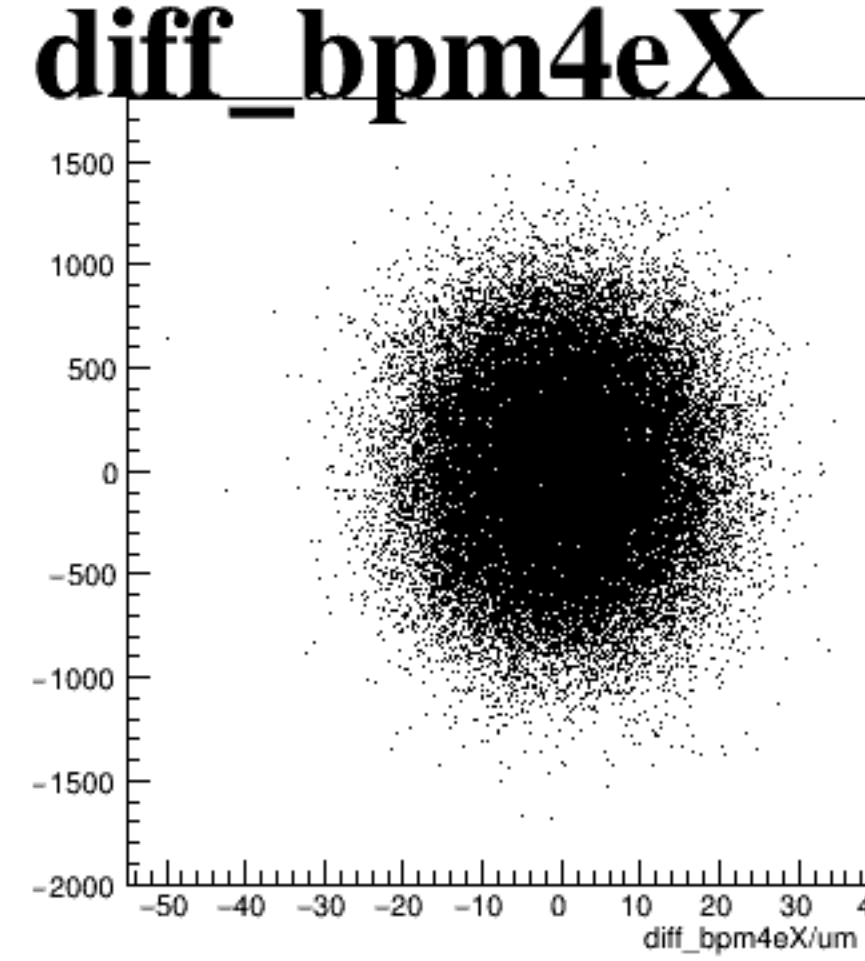
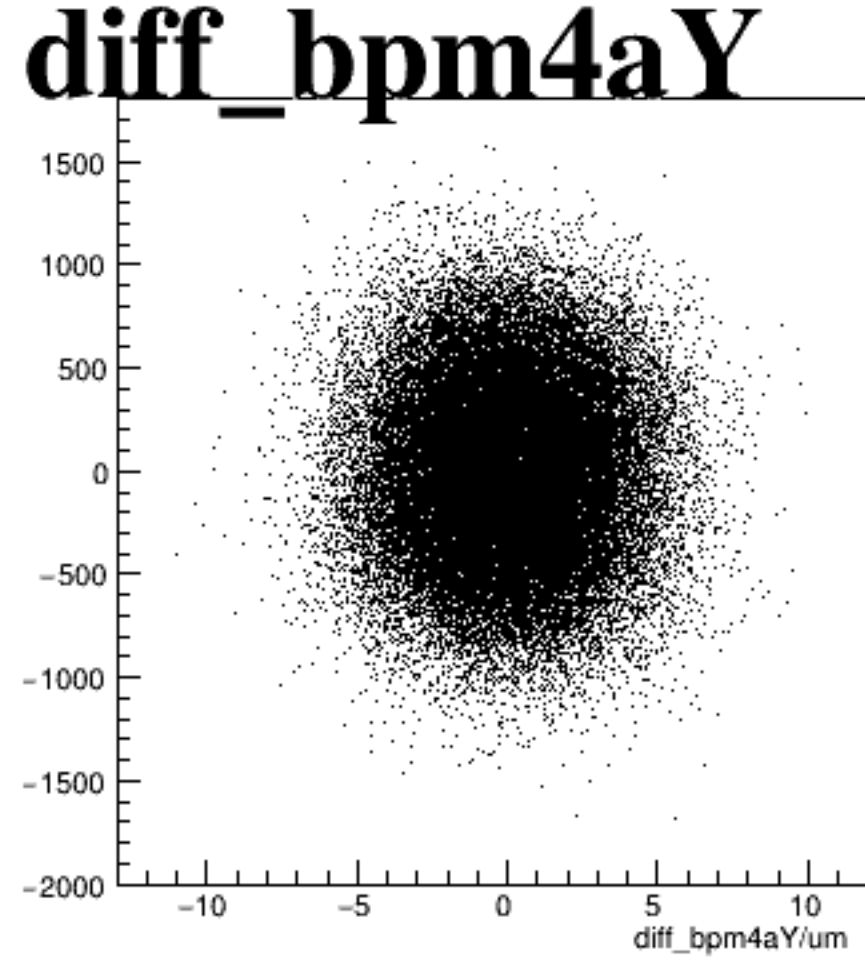
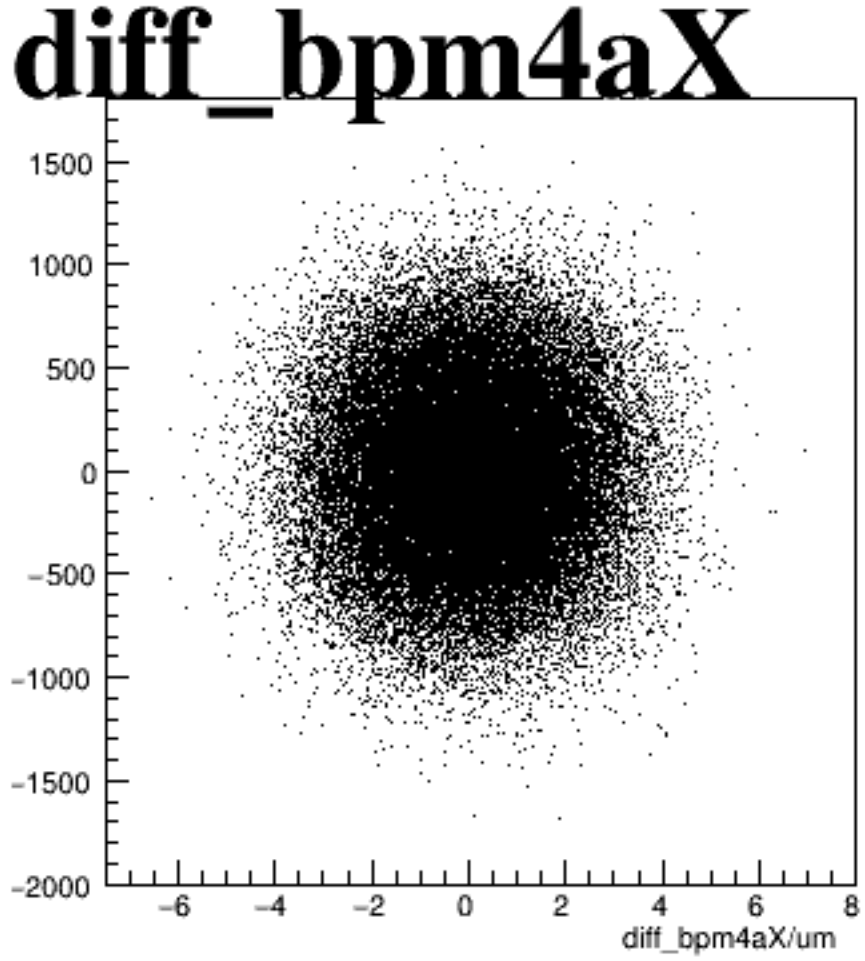
reg_asym_sam1



reg_asym_sam3



reg_asym_sam5



reg_asym_sam7

