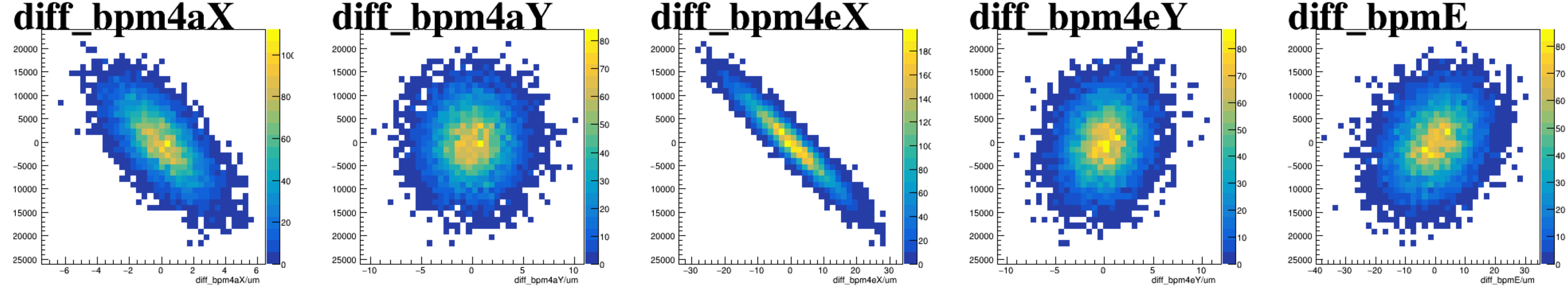
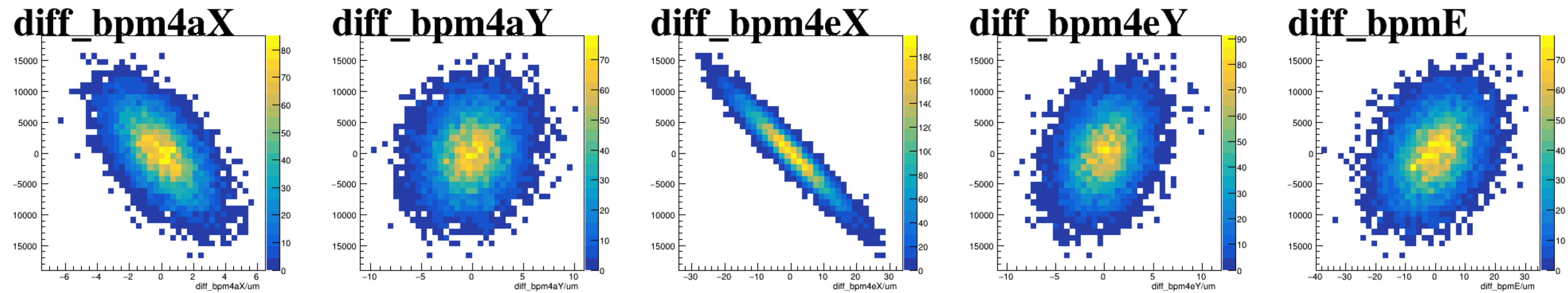


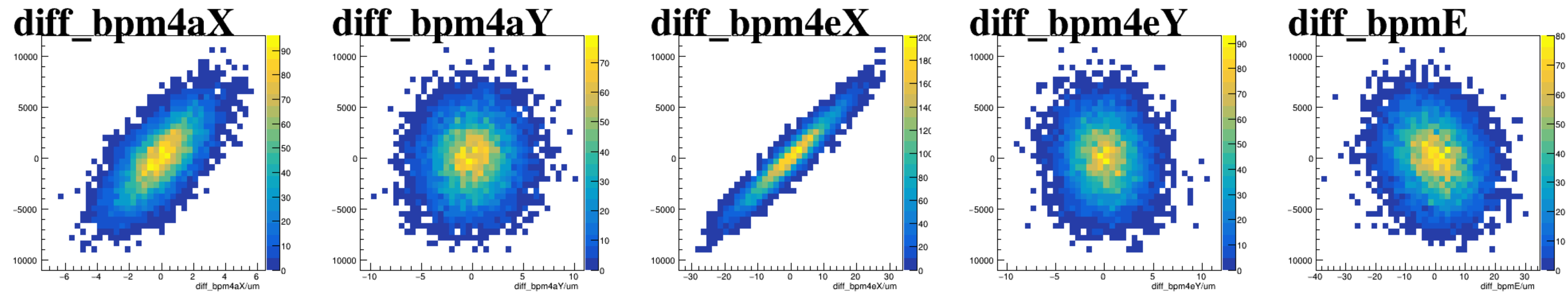
asym_sam2



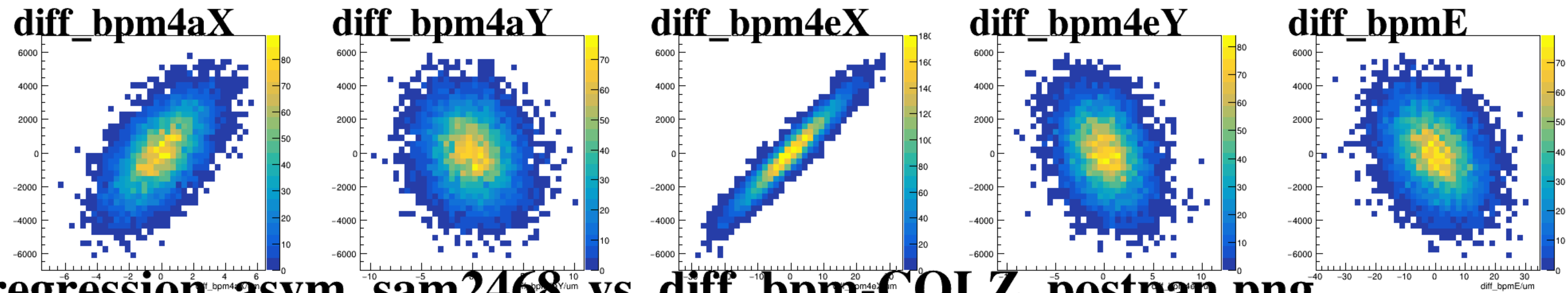
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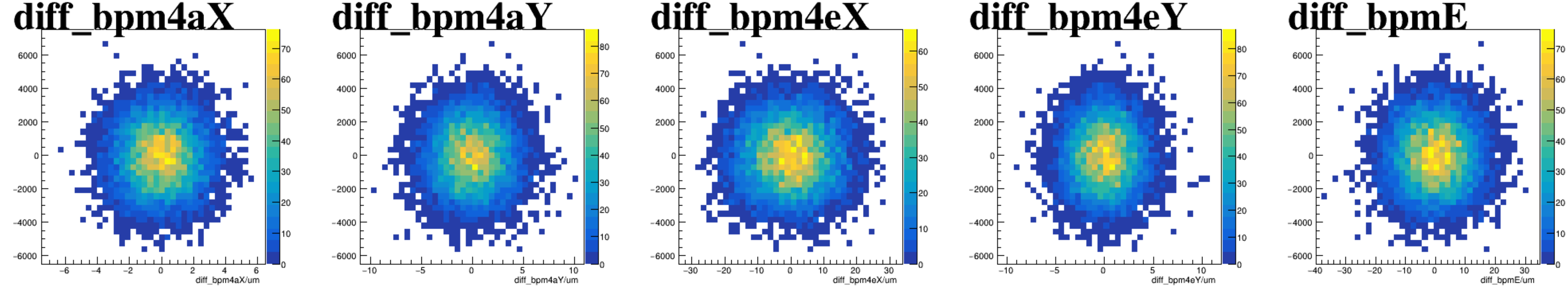
asym_sam6



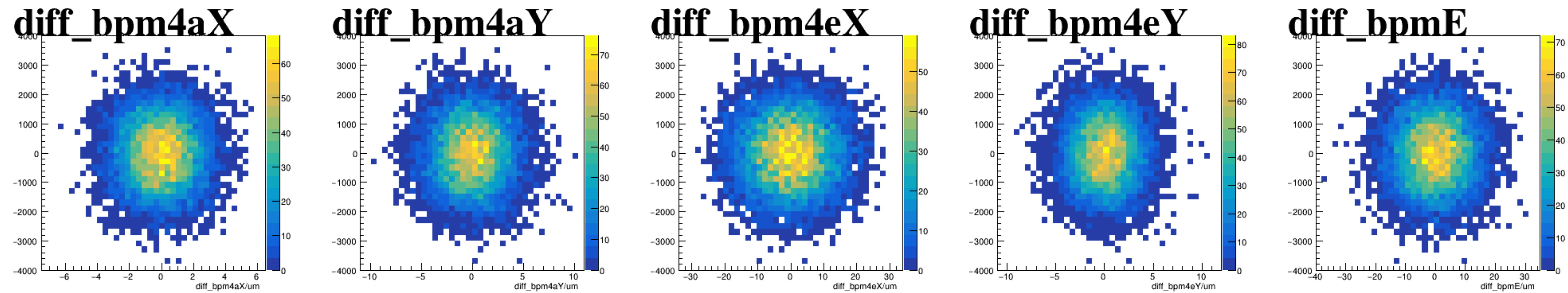
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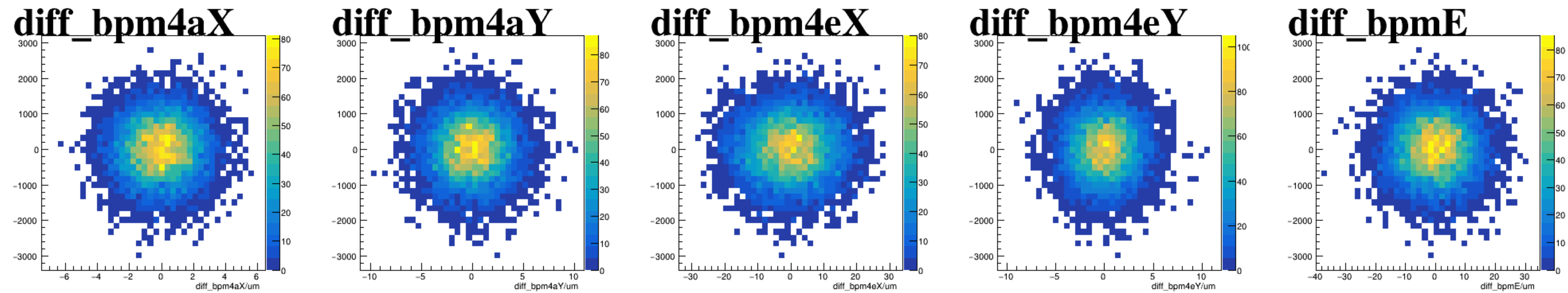
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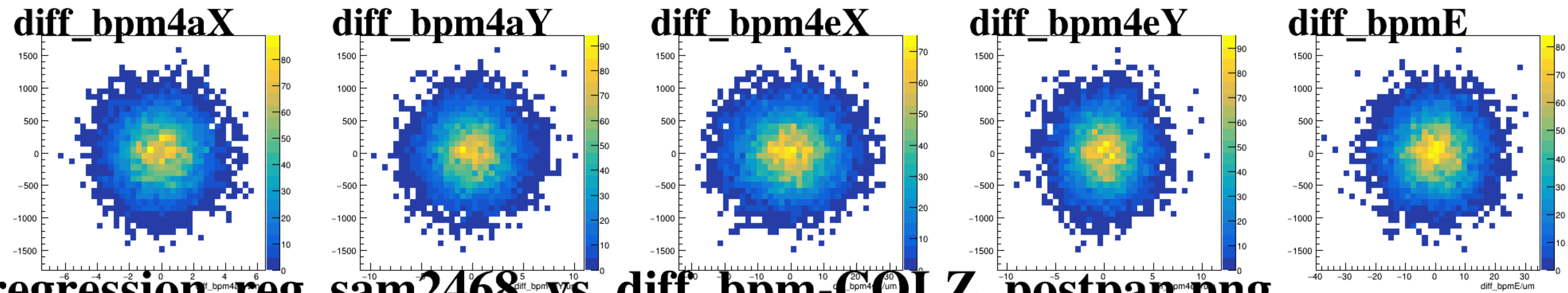
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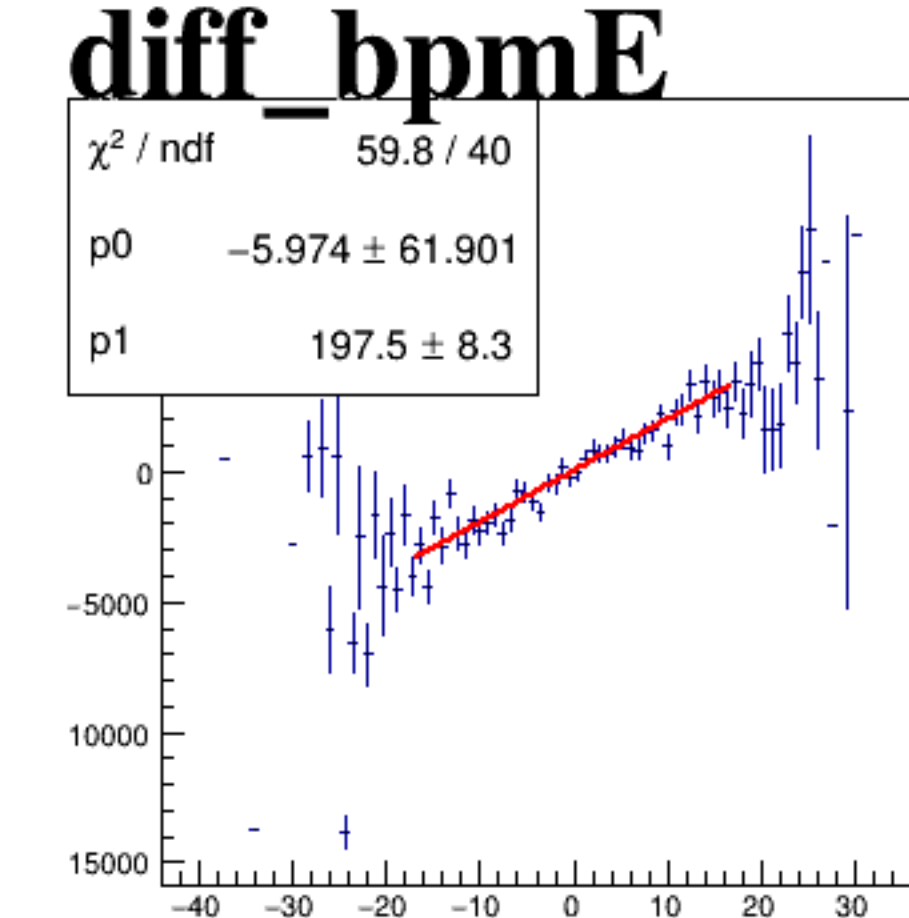
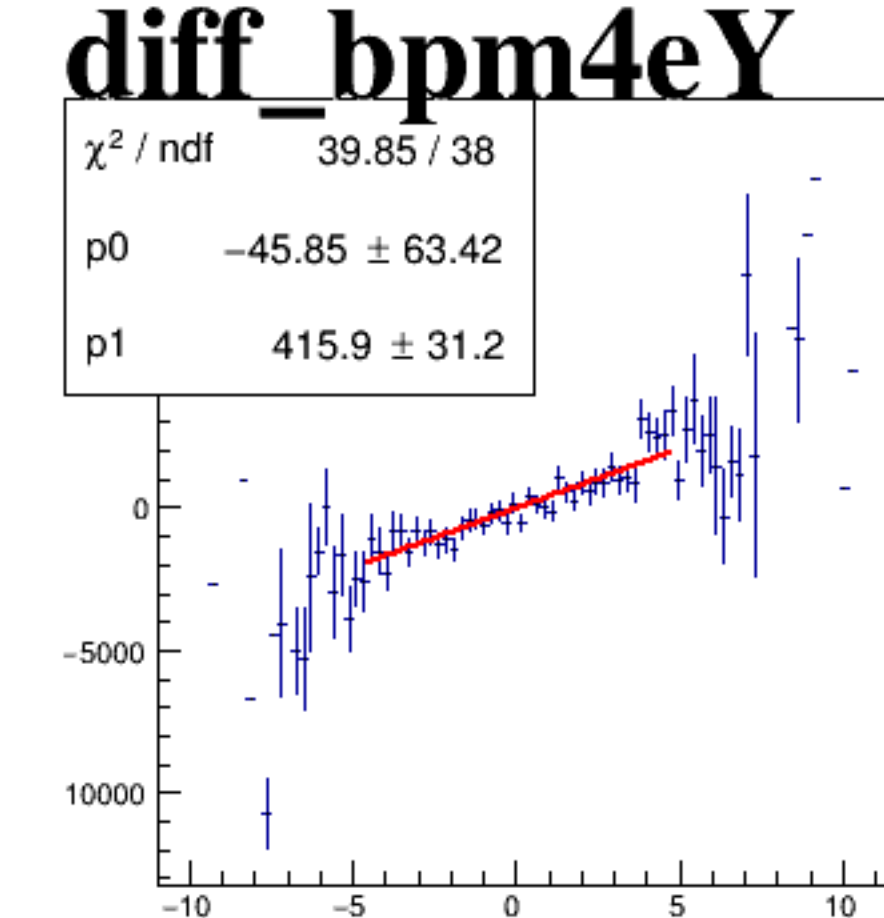
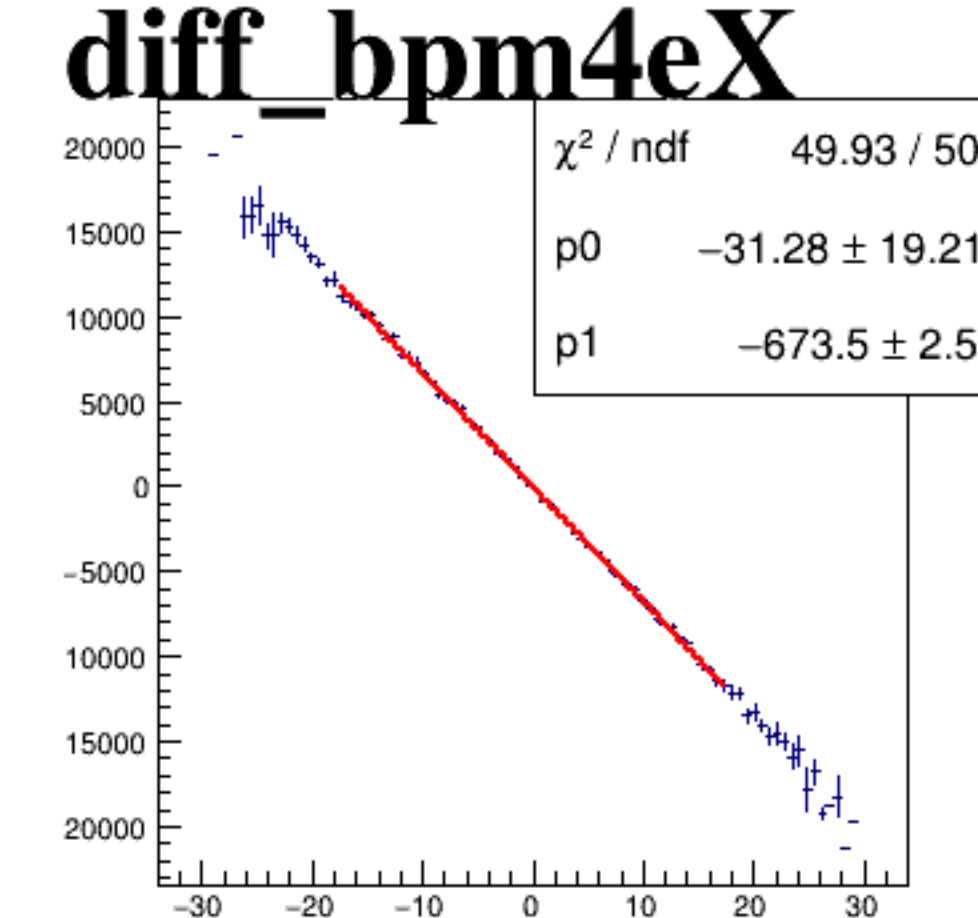
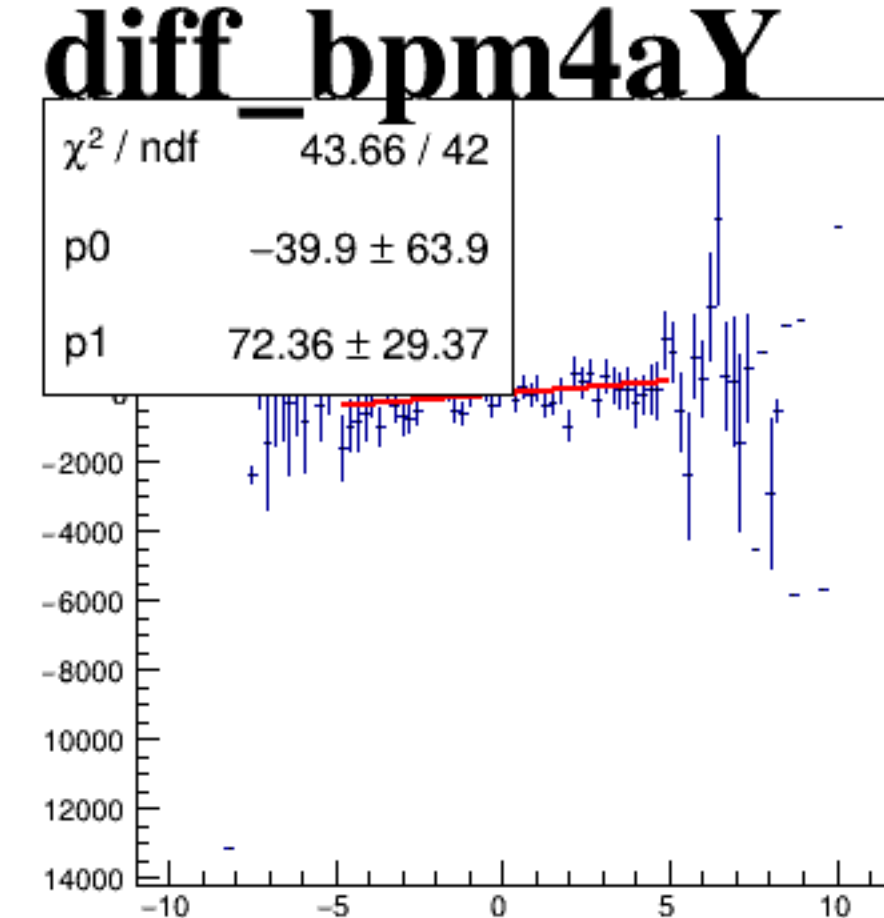
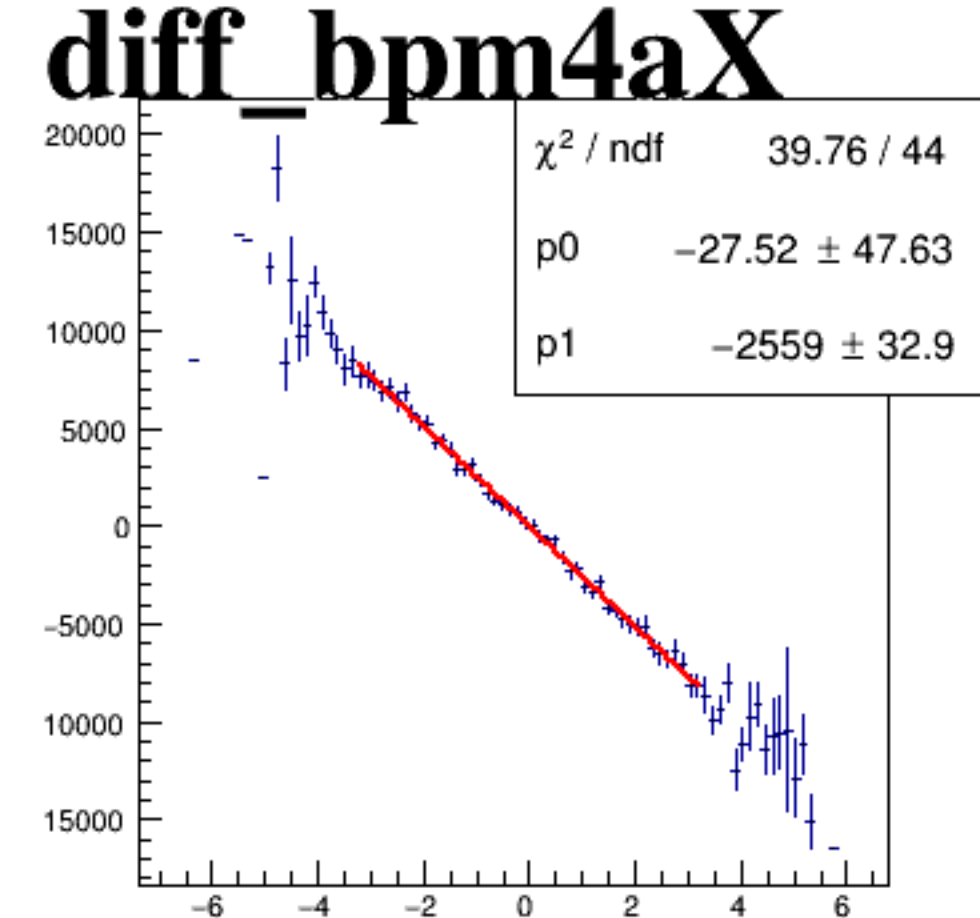
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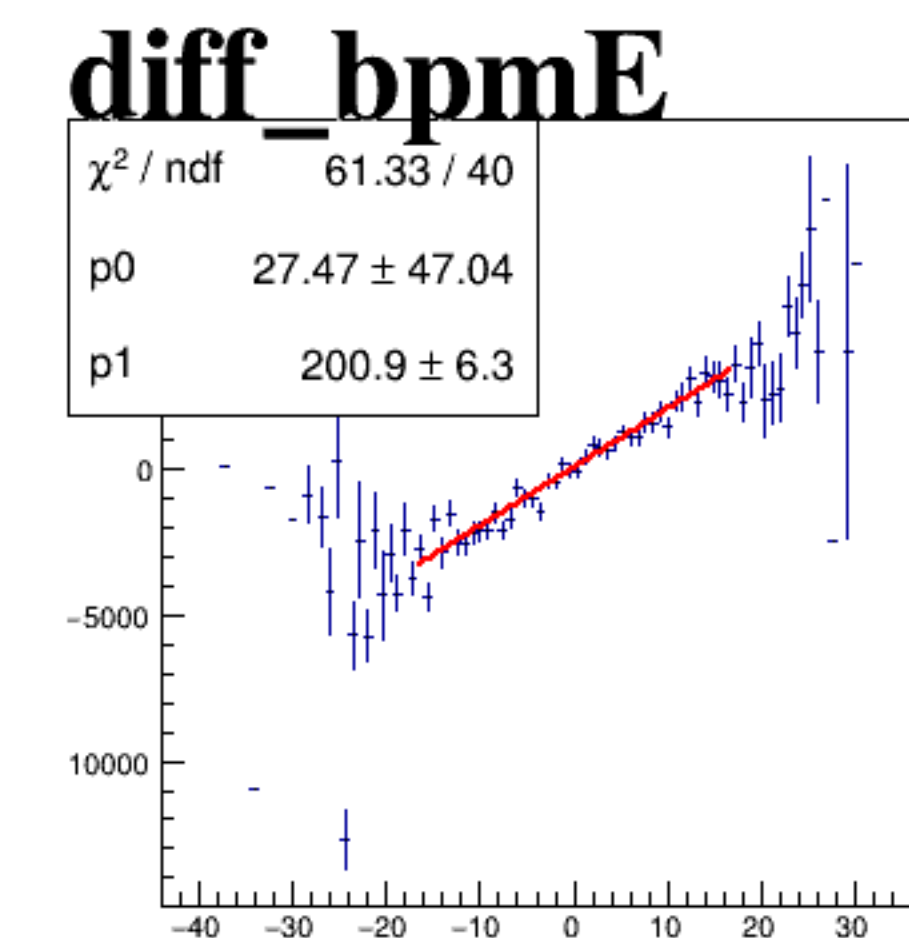
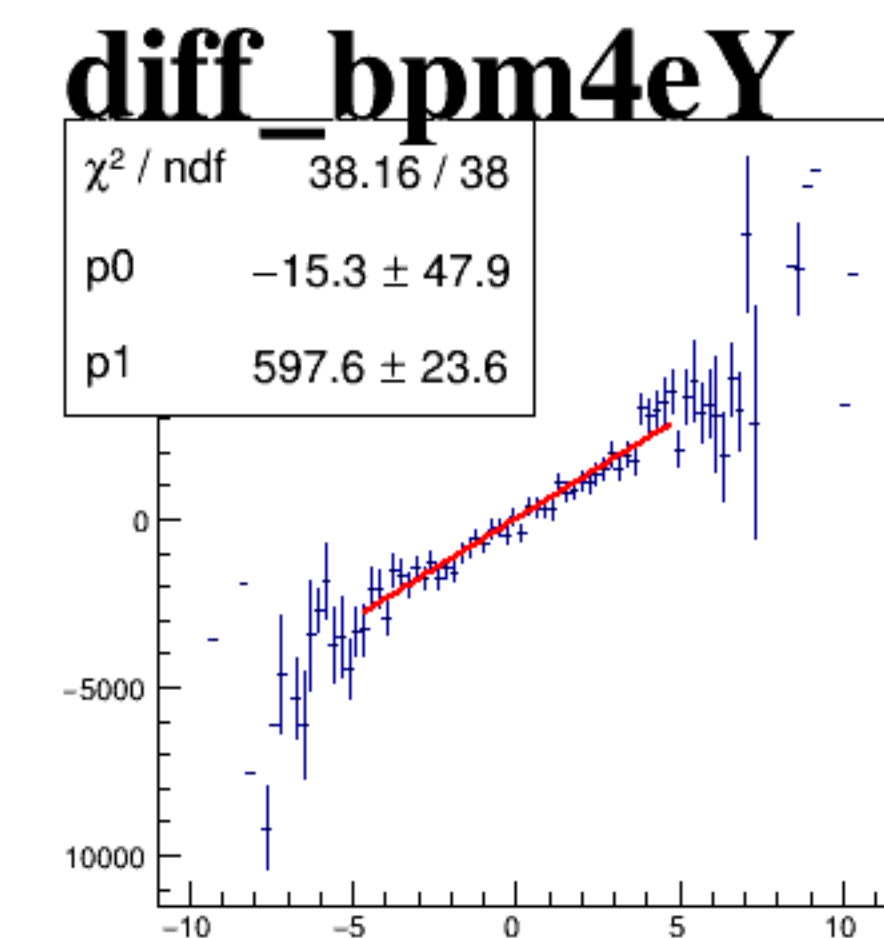
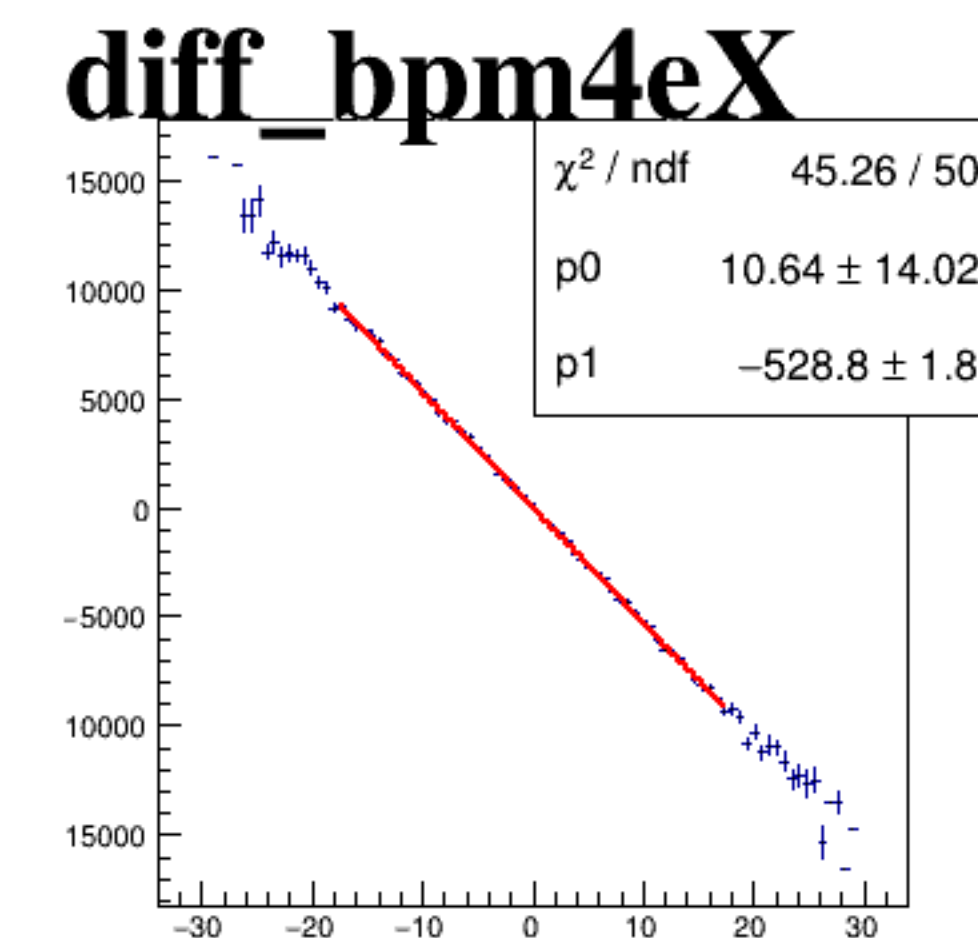
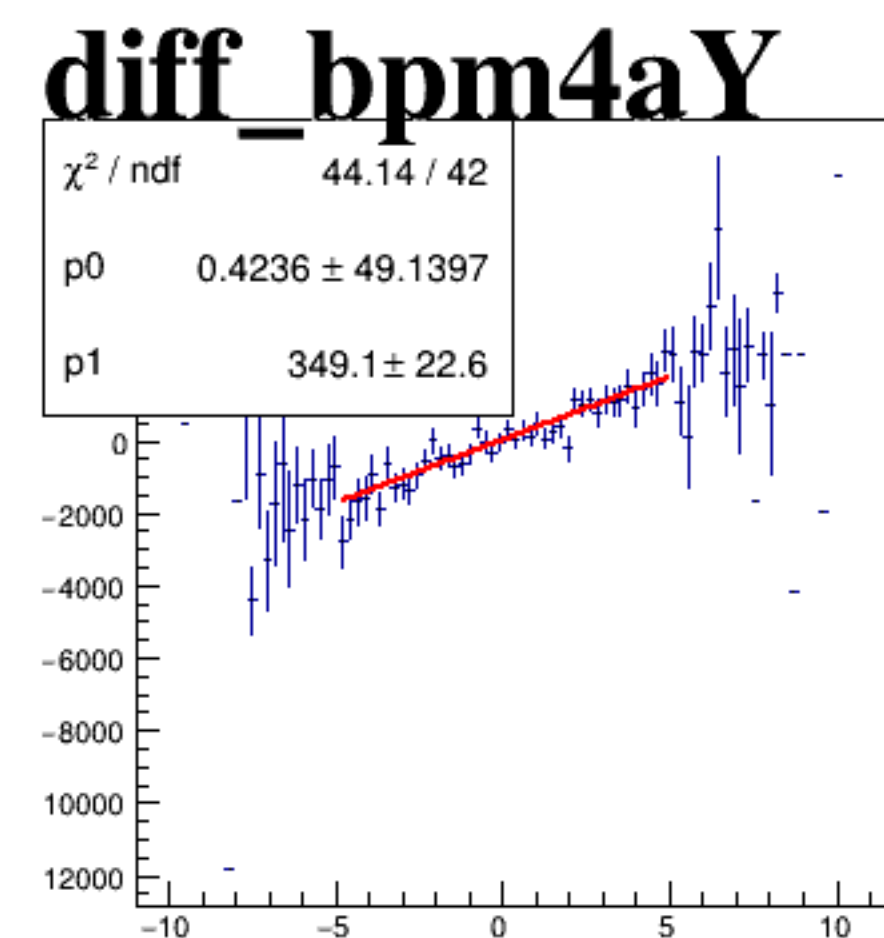
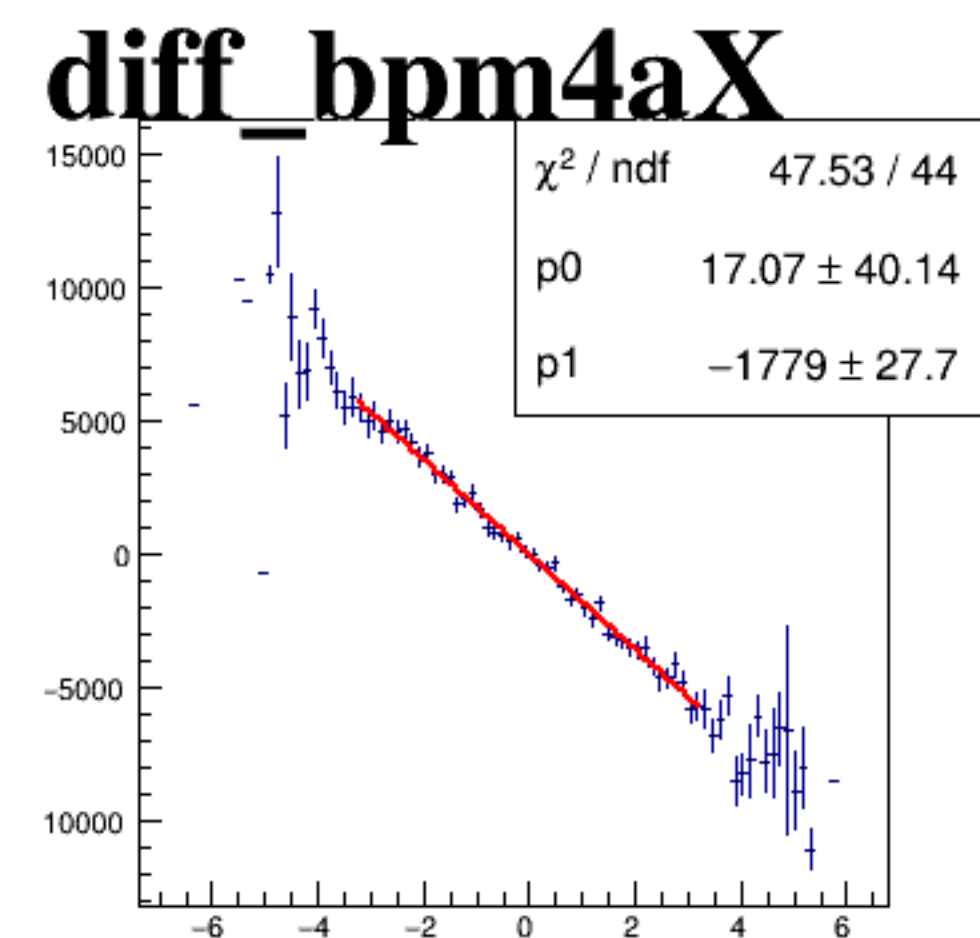
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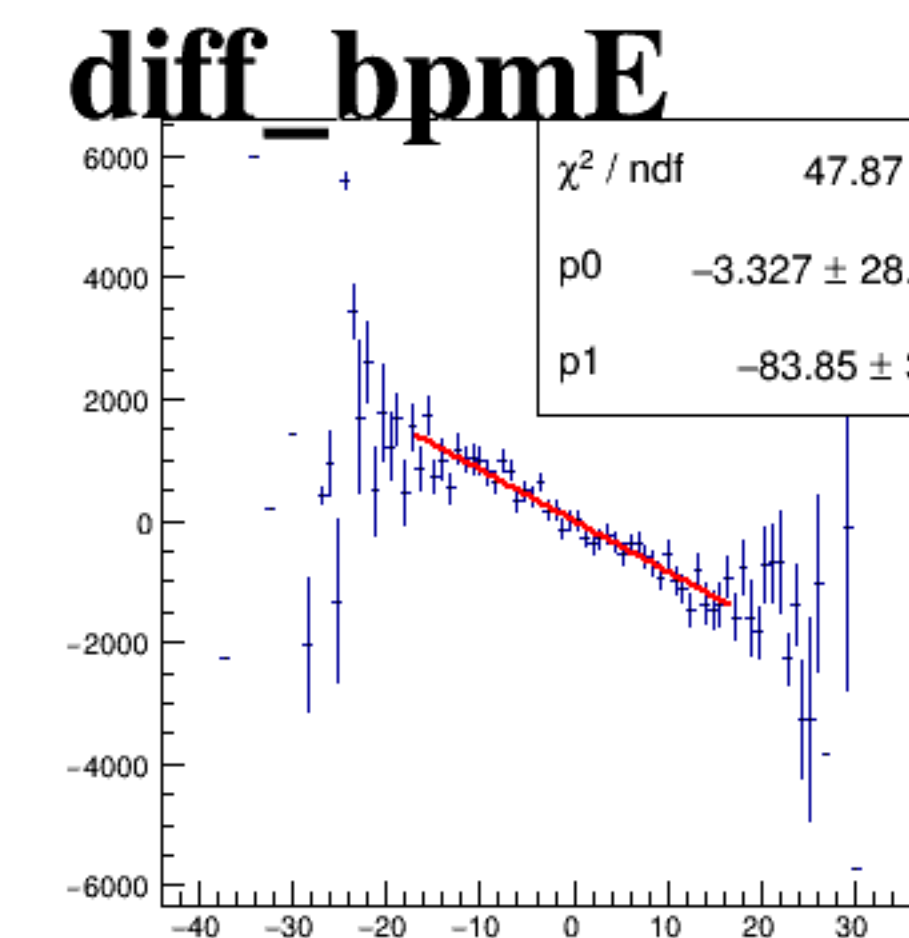
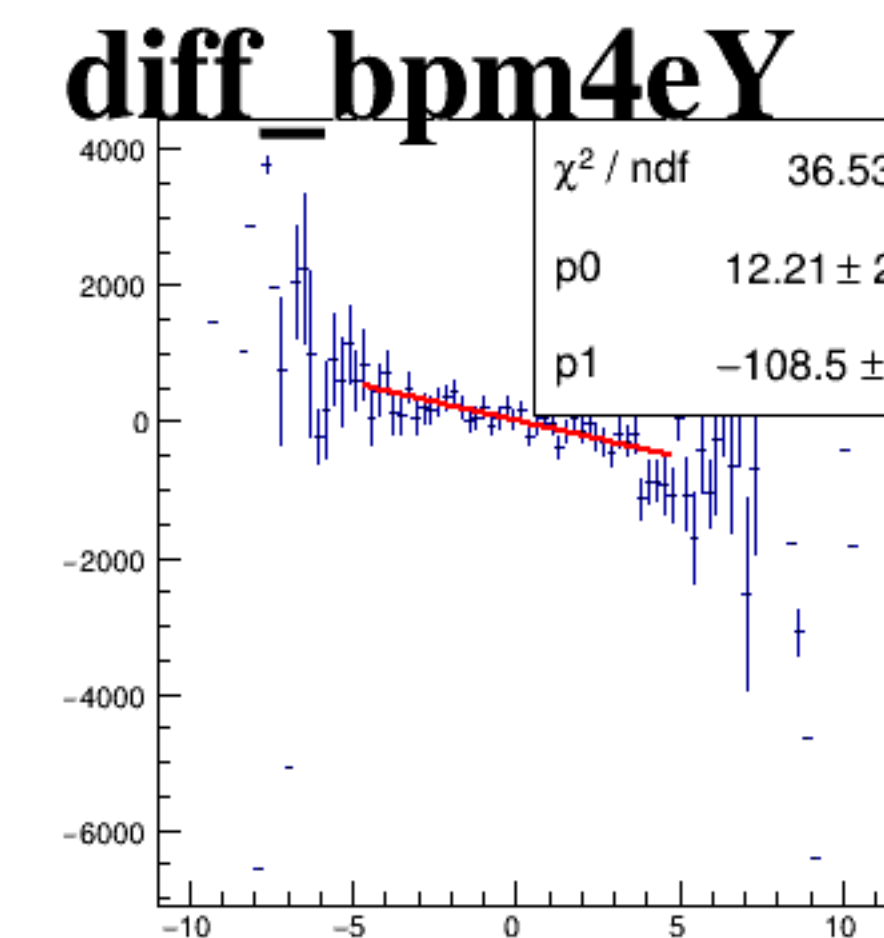
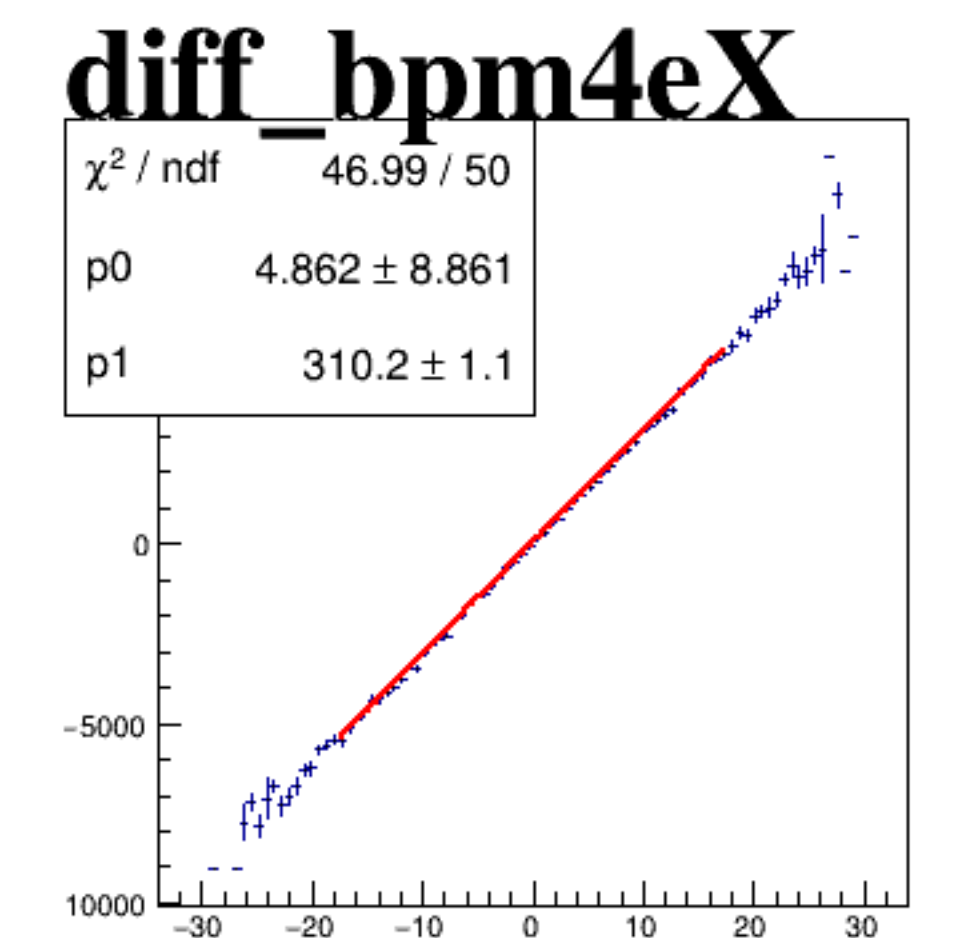
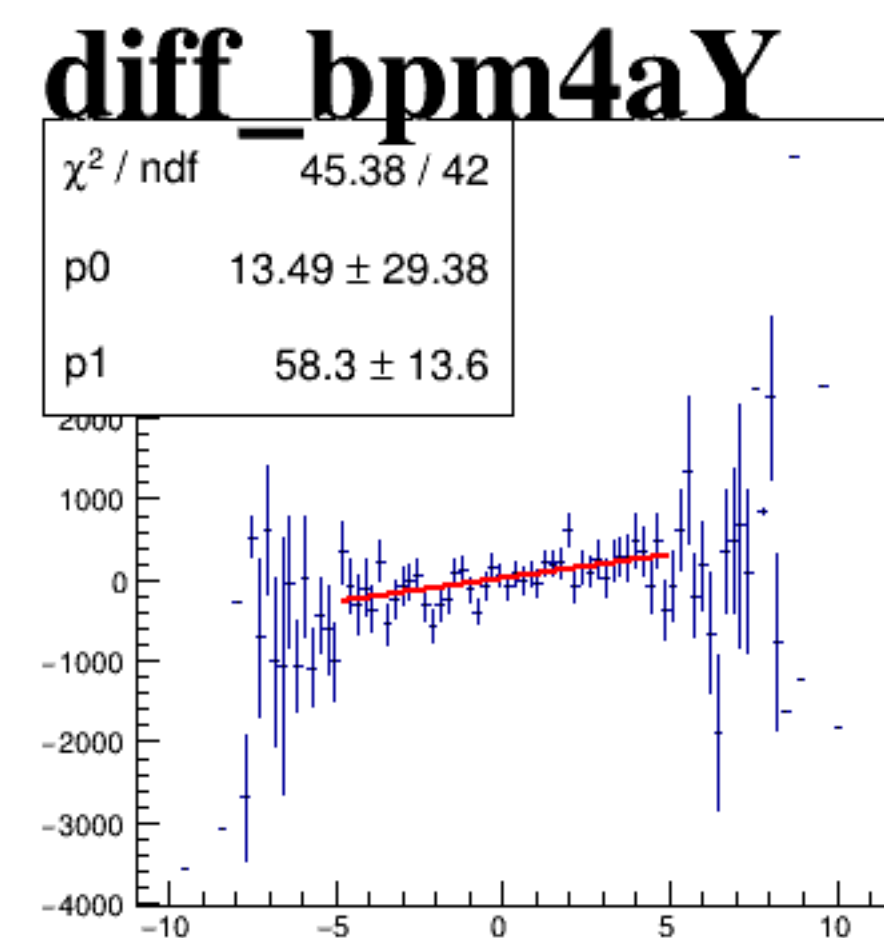
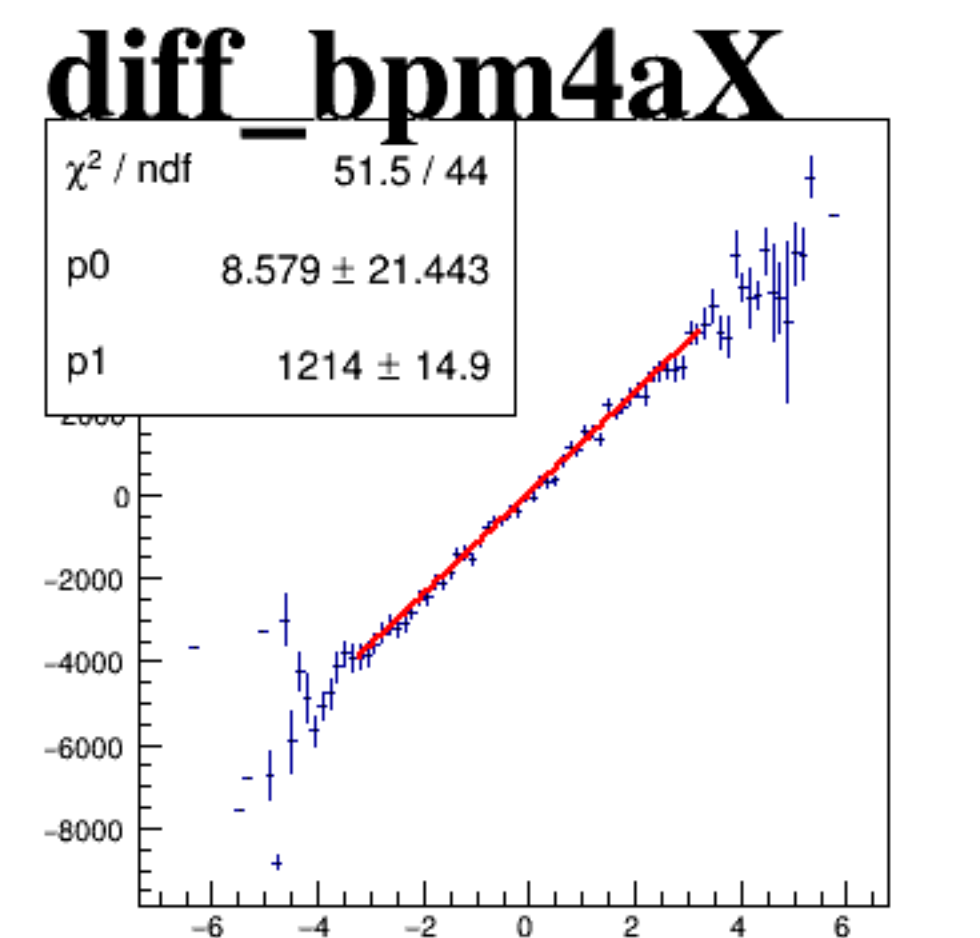
asym_sam2



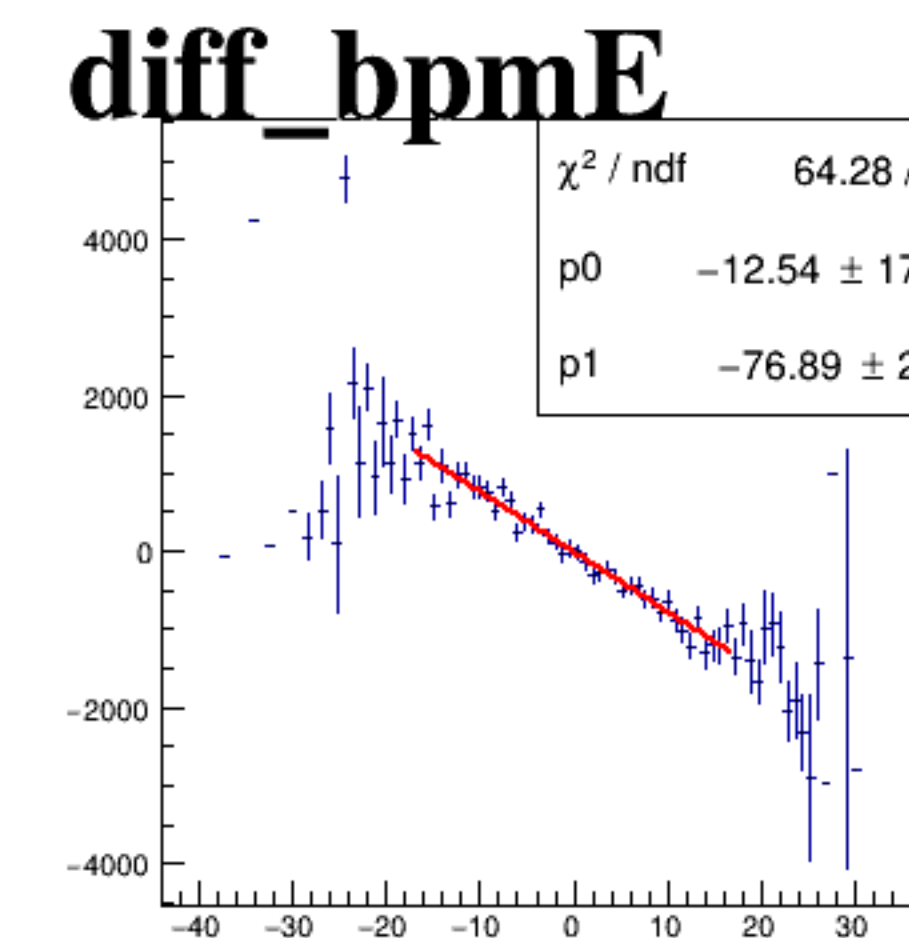
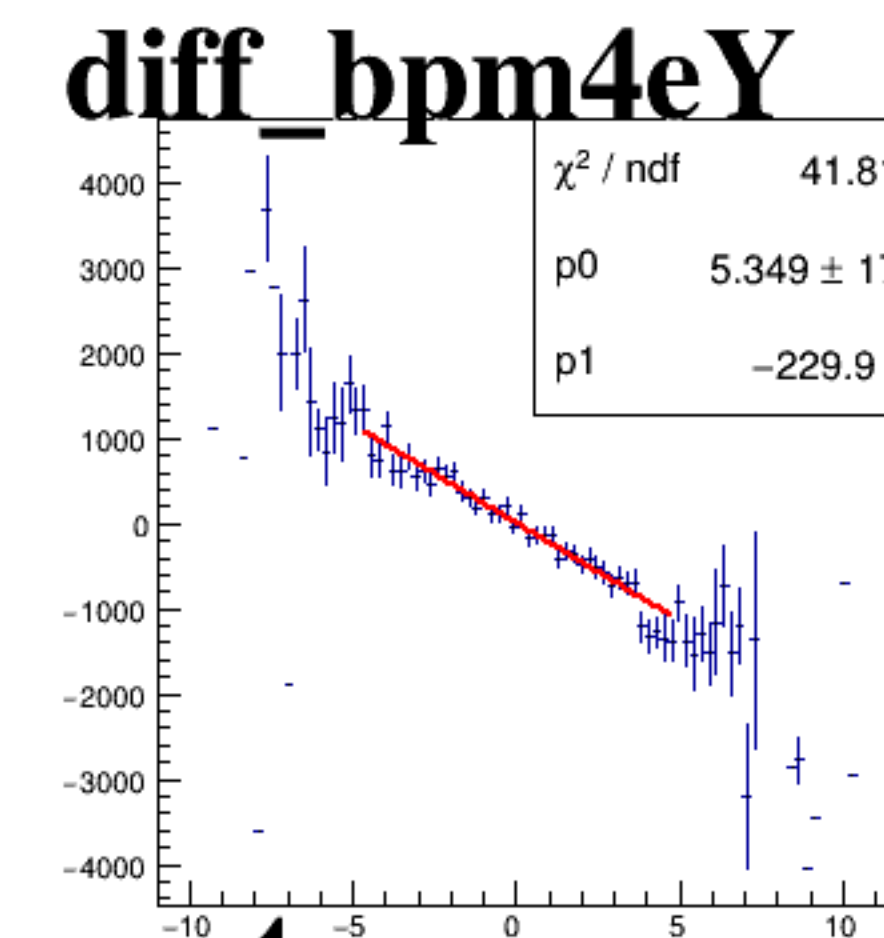
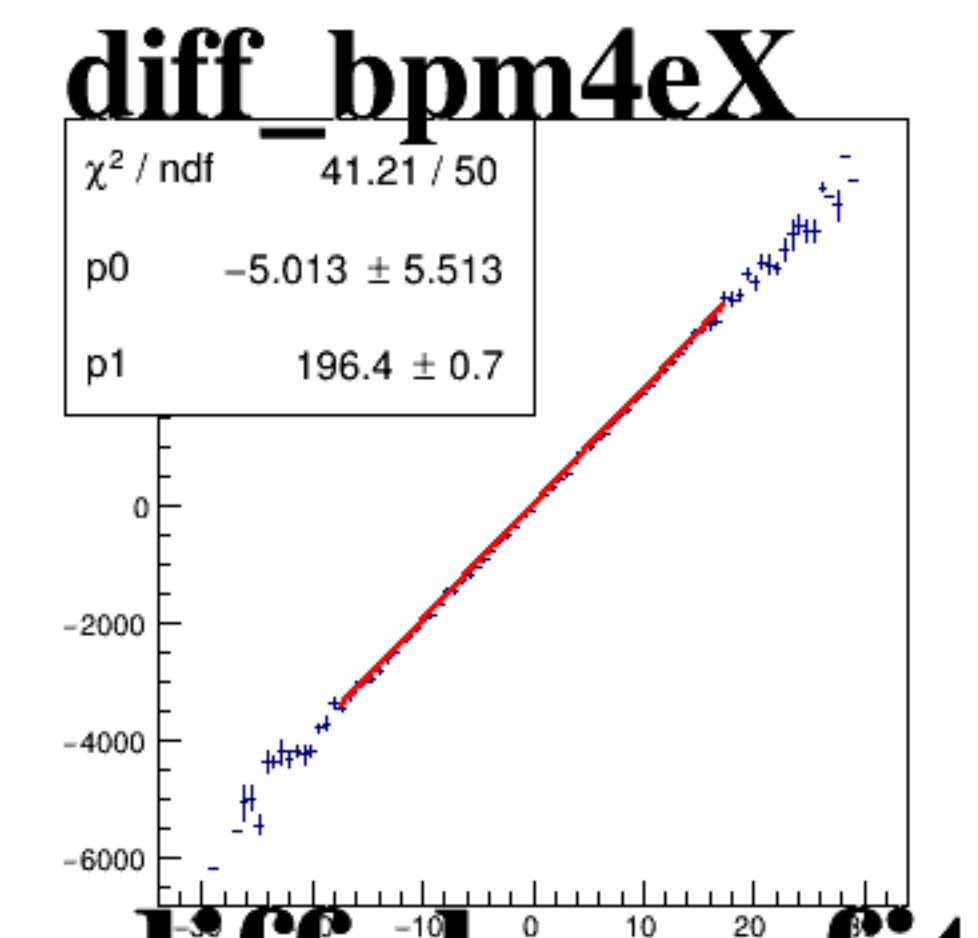
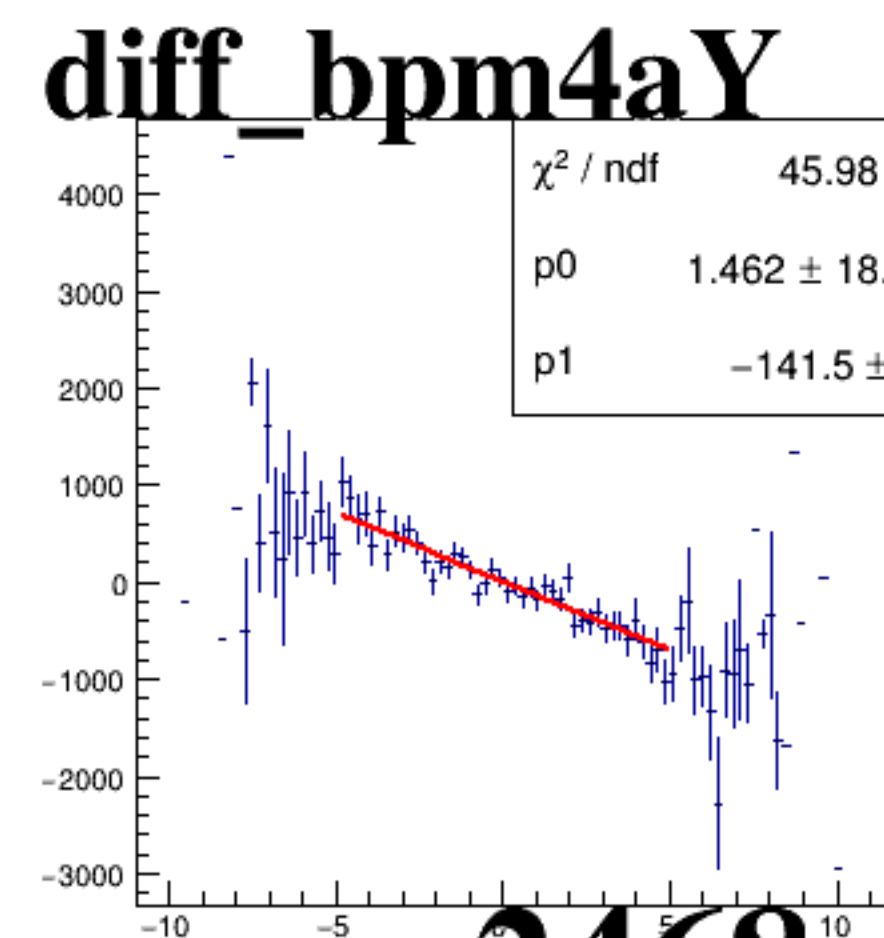
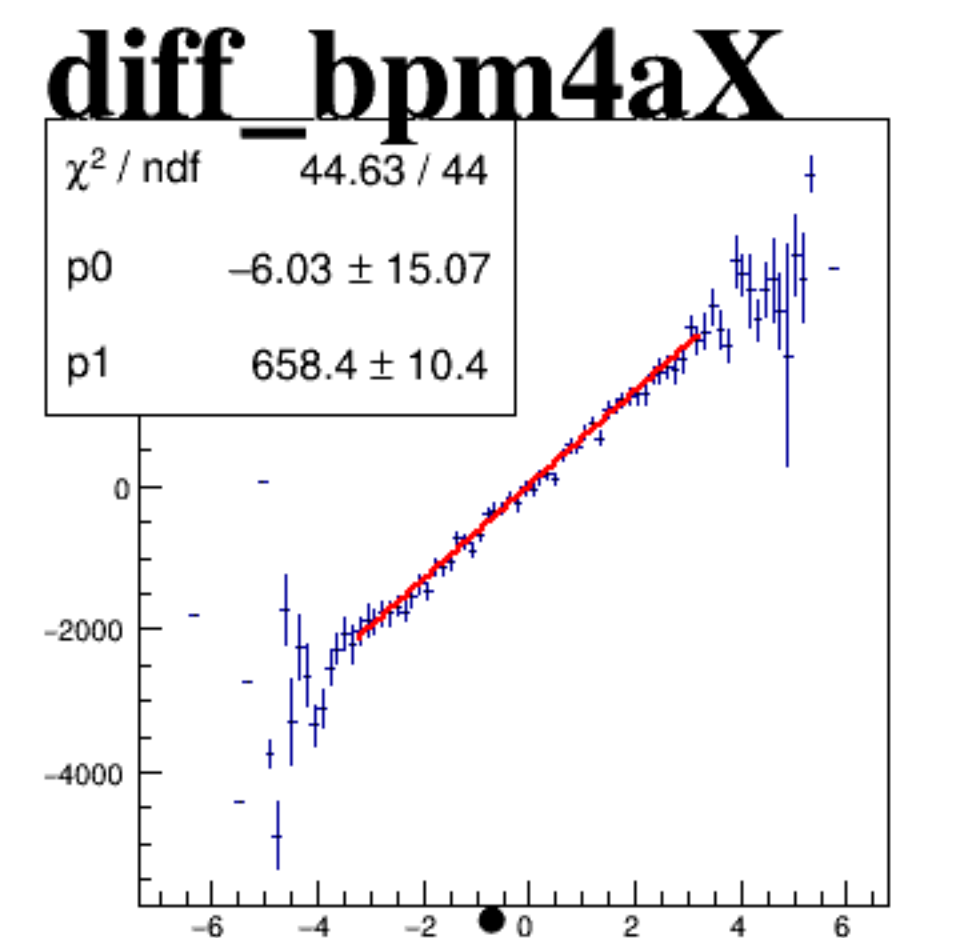
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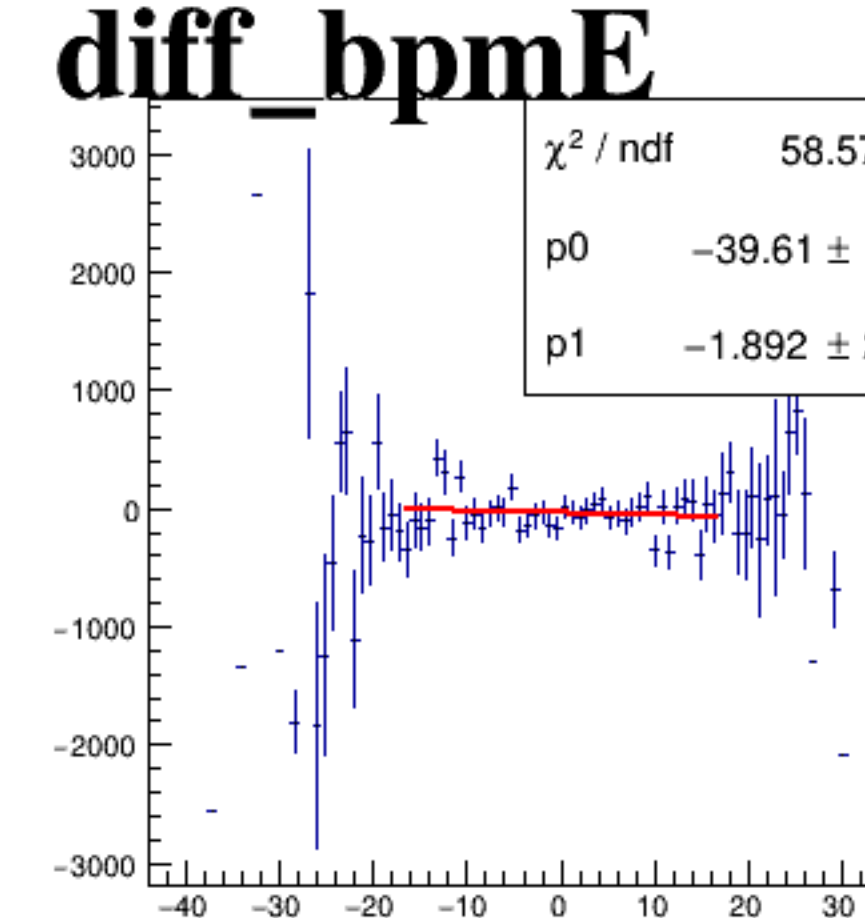
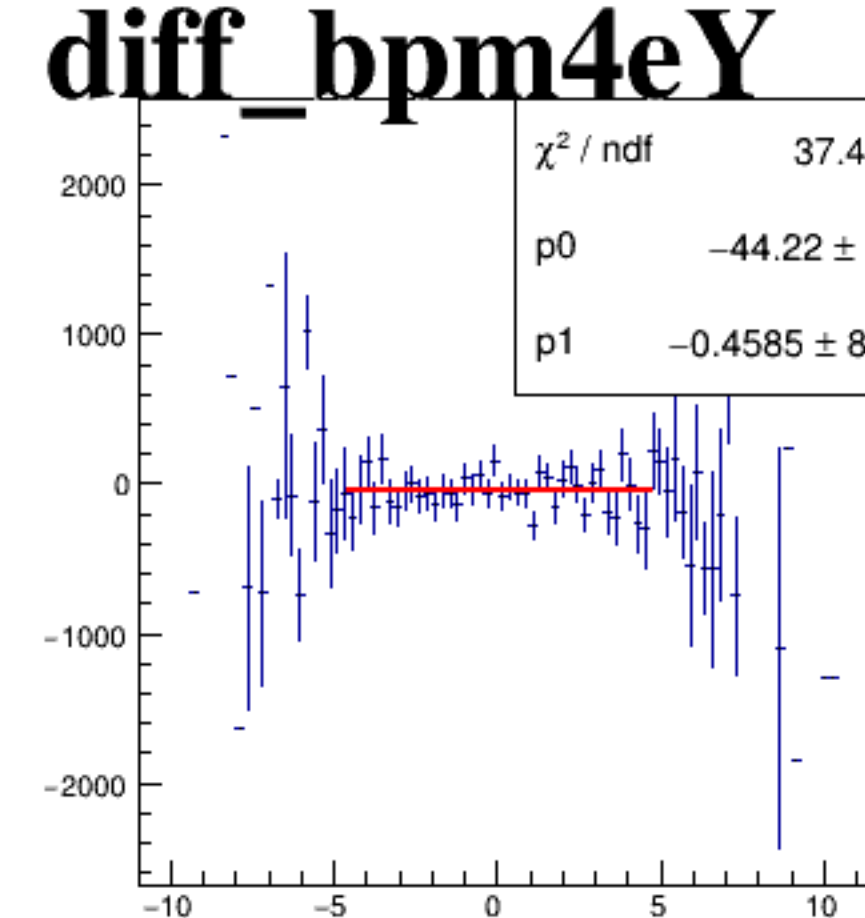
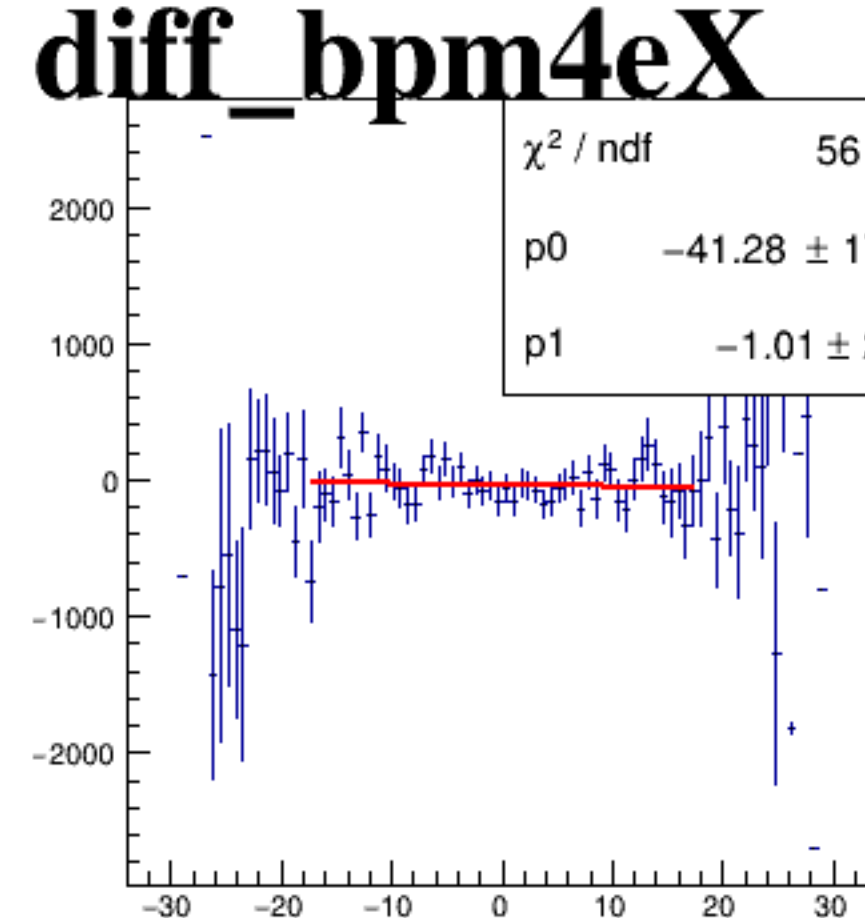
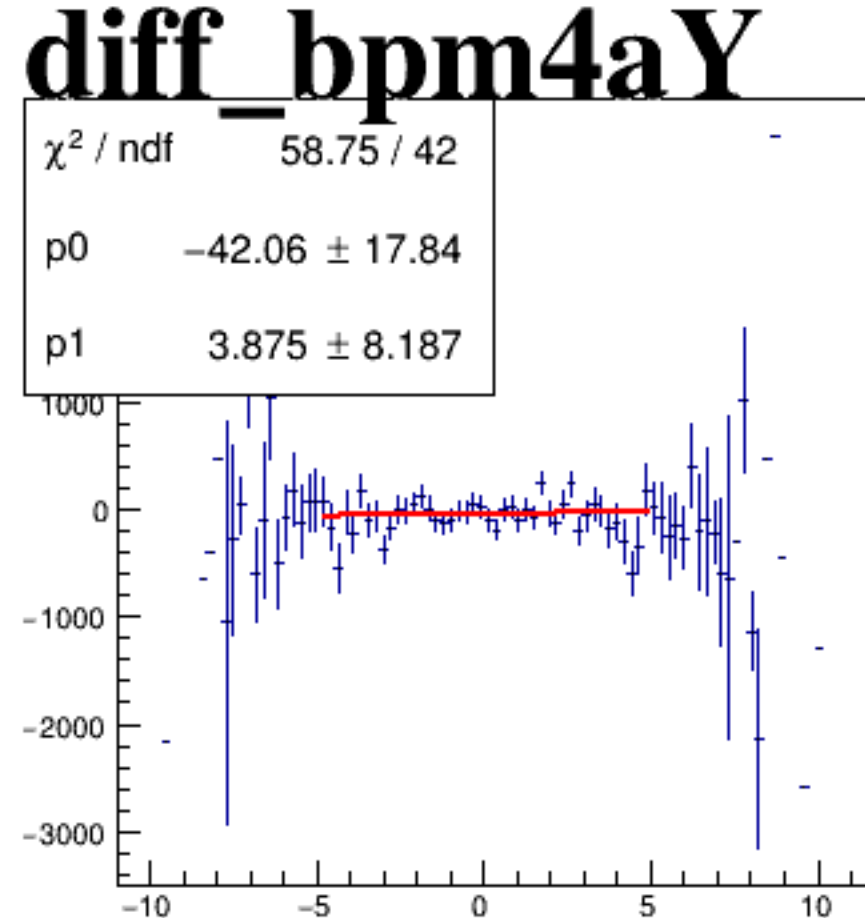
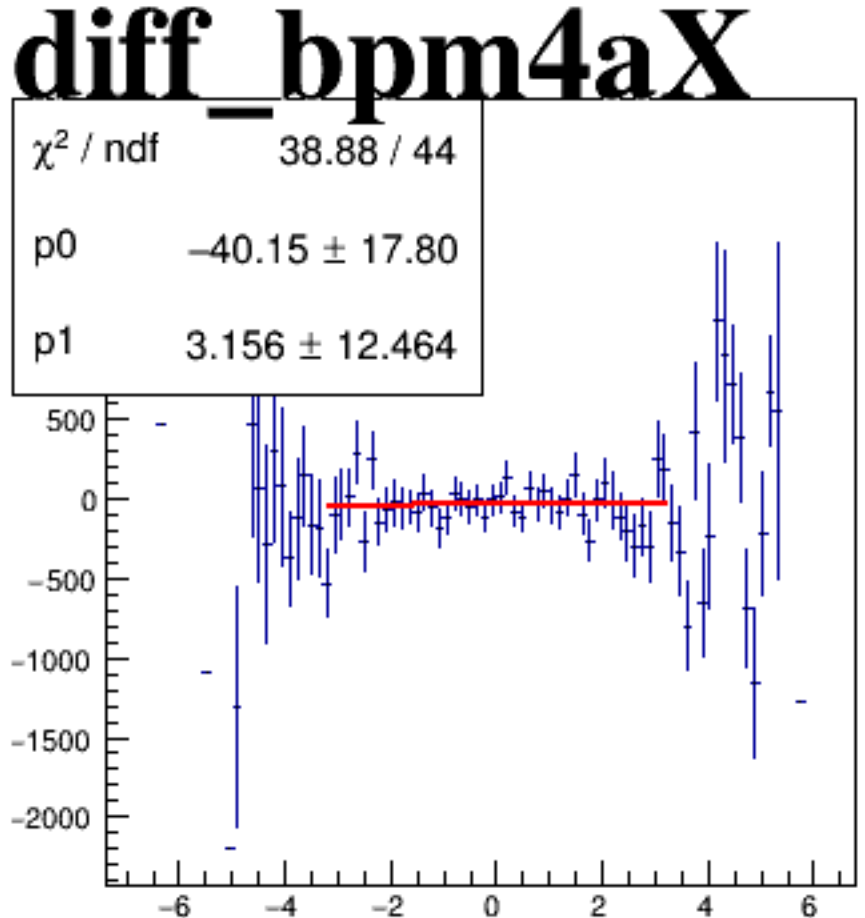
asym_sam6



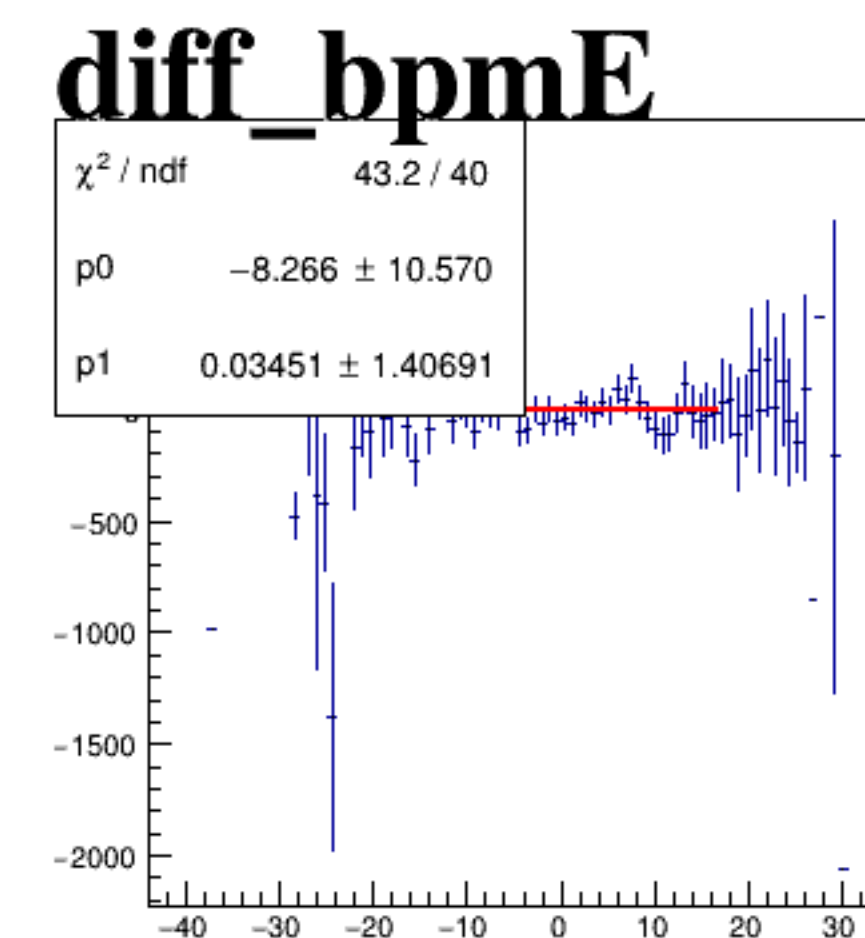
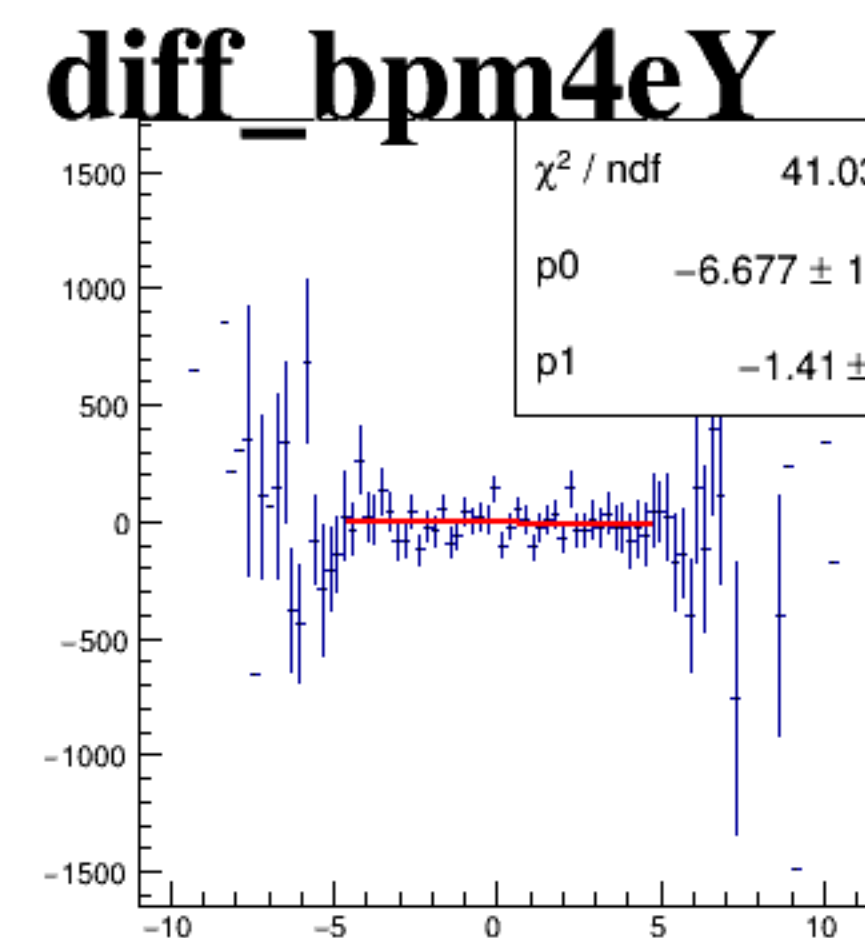
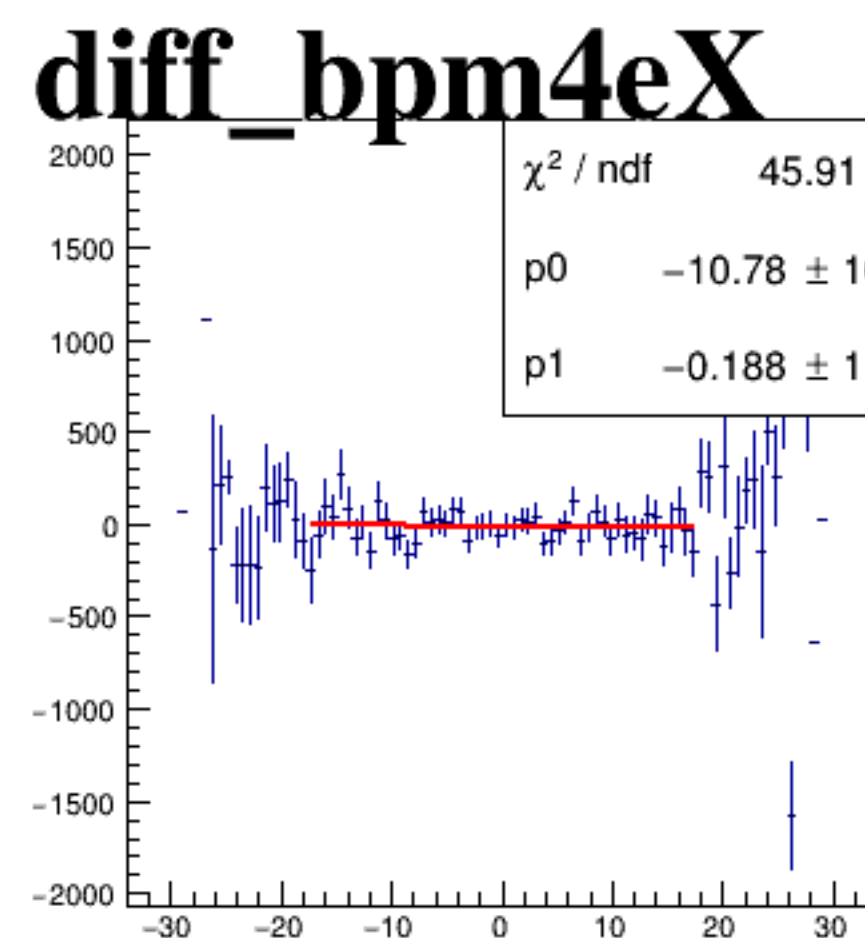
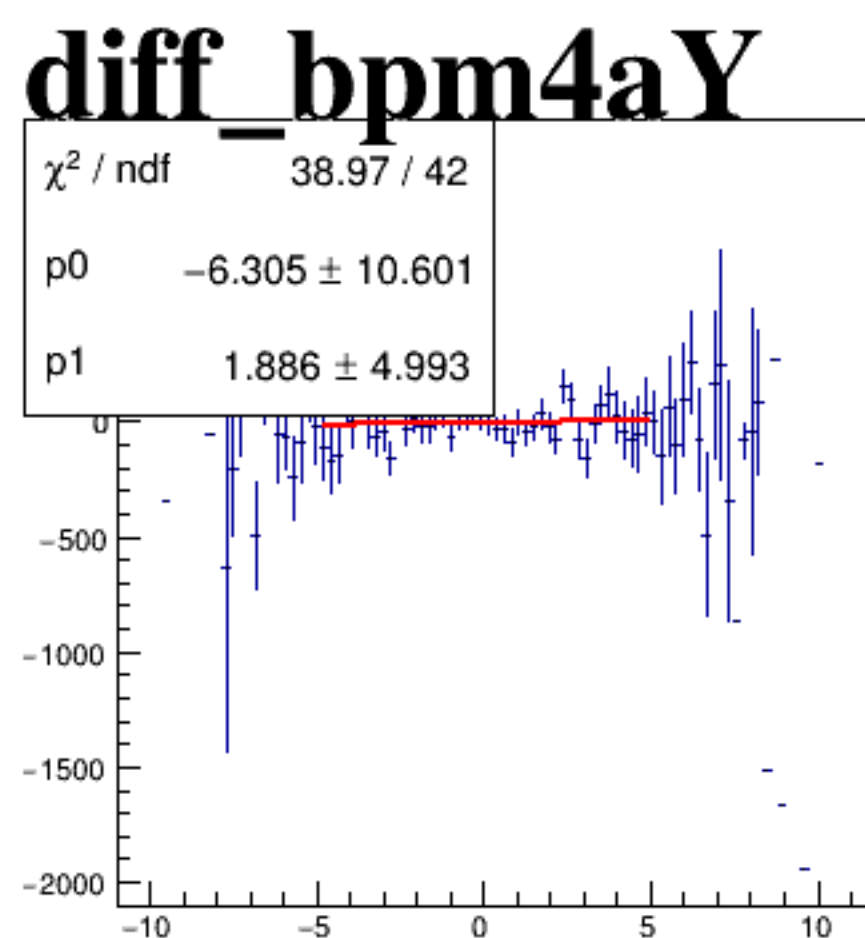
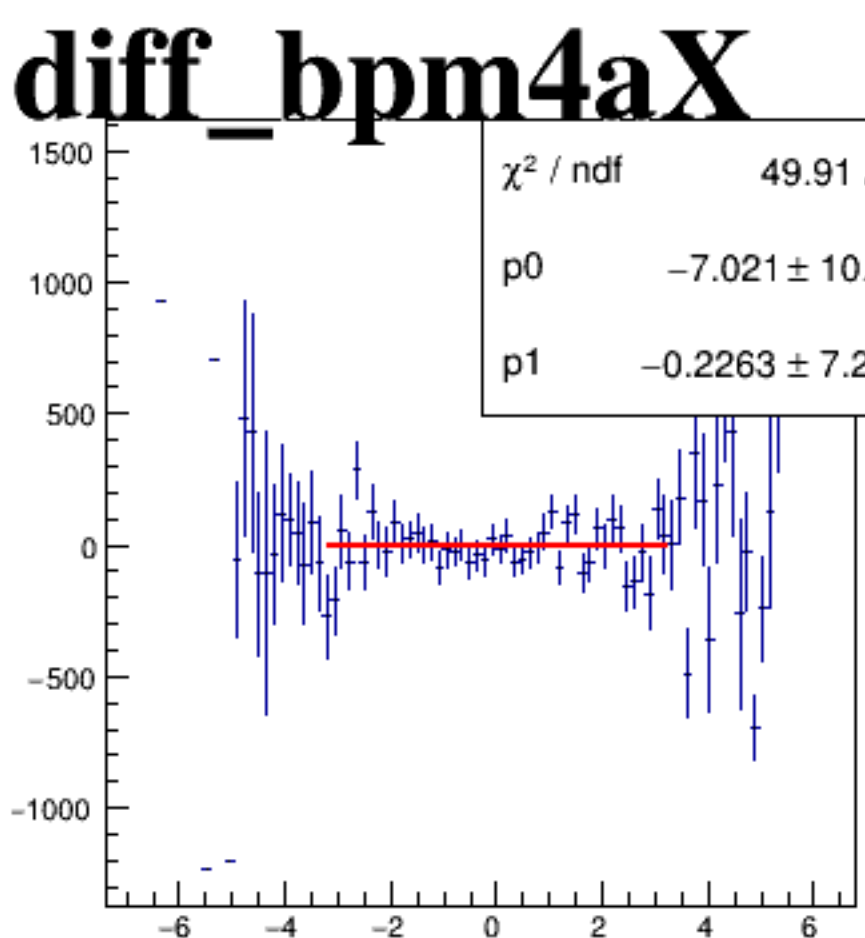
asym_sam8



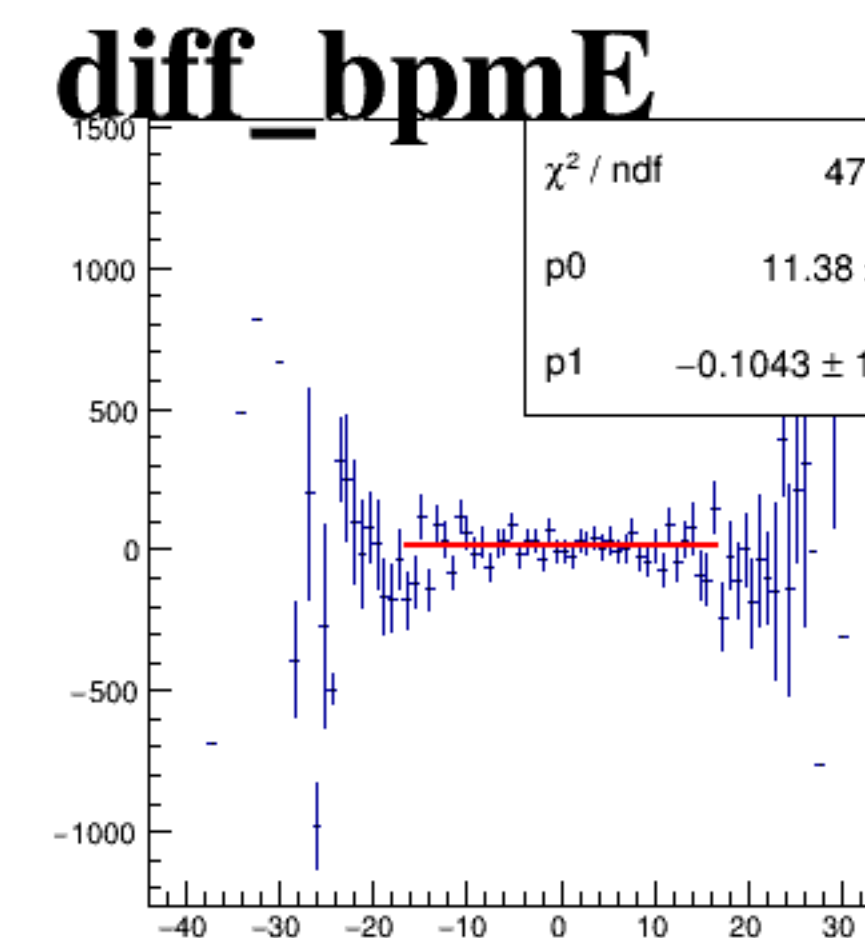
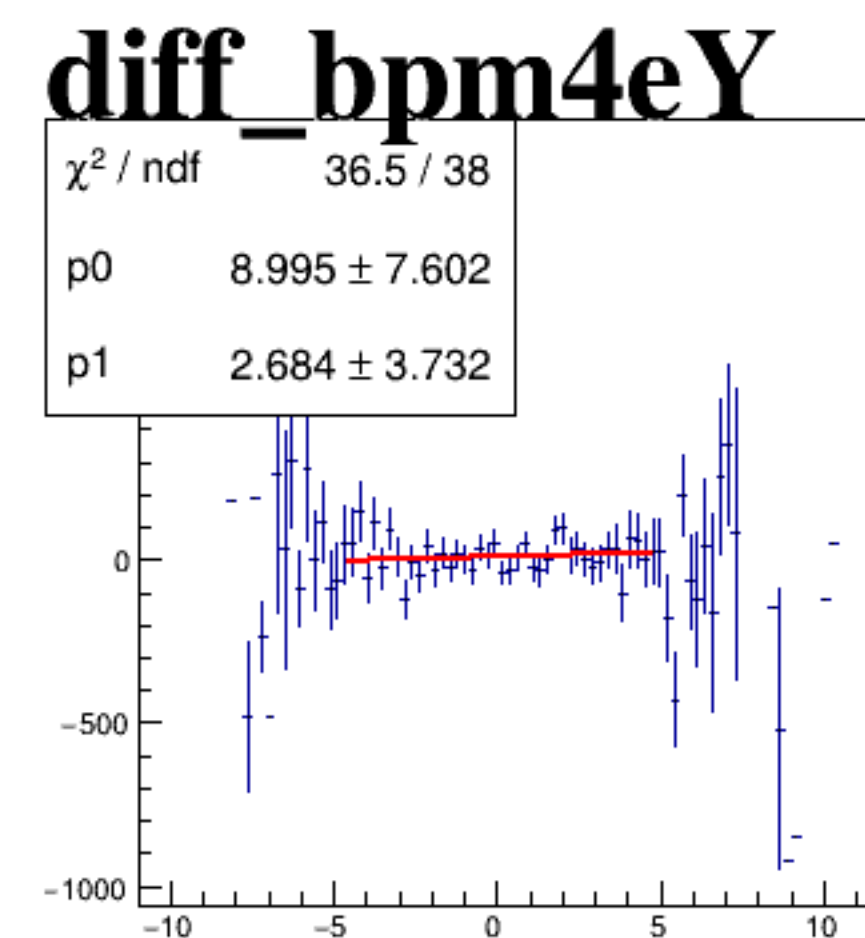
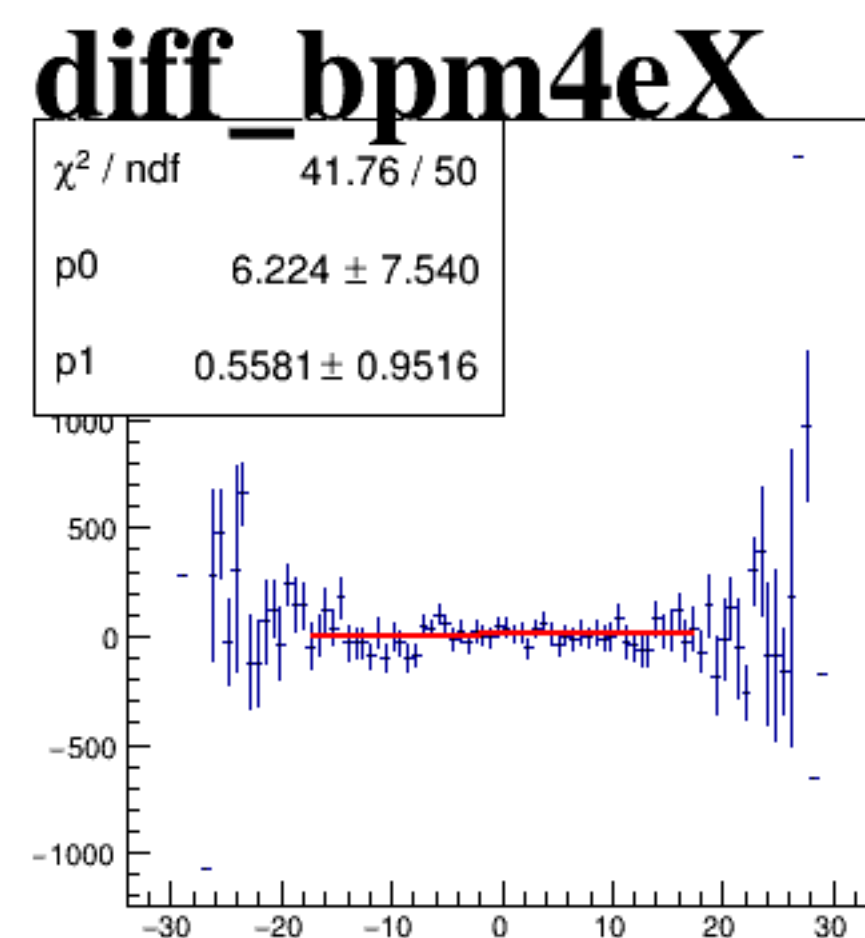
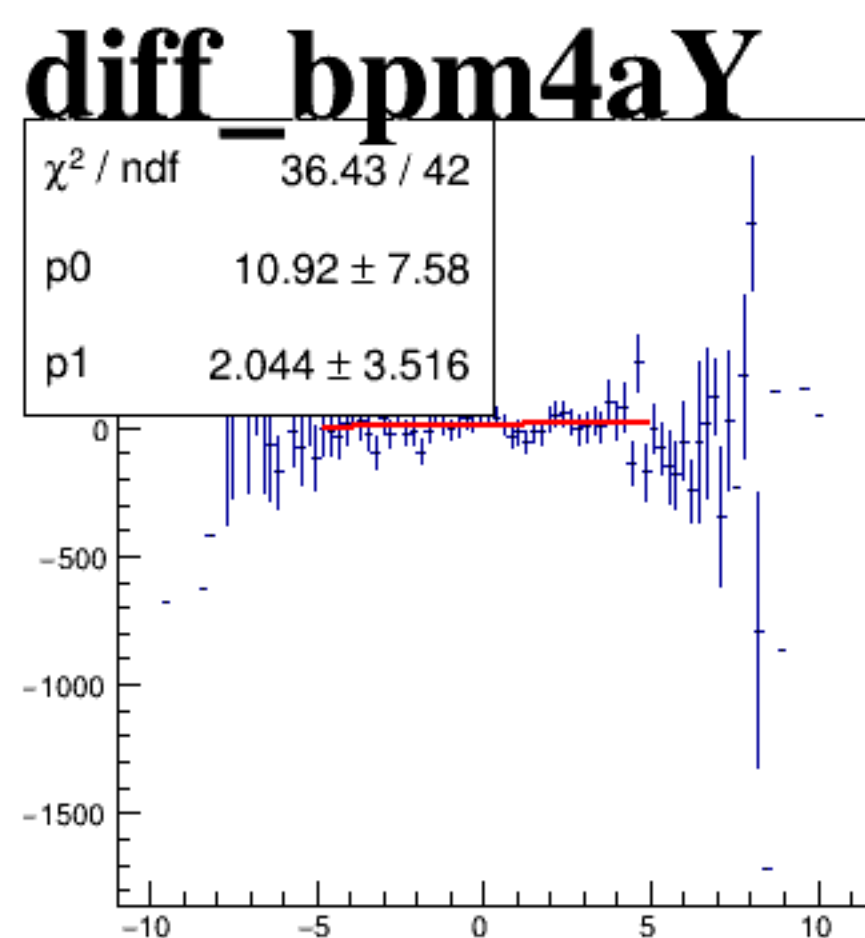
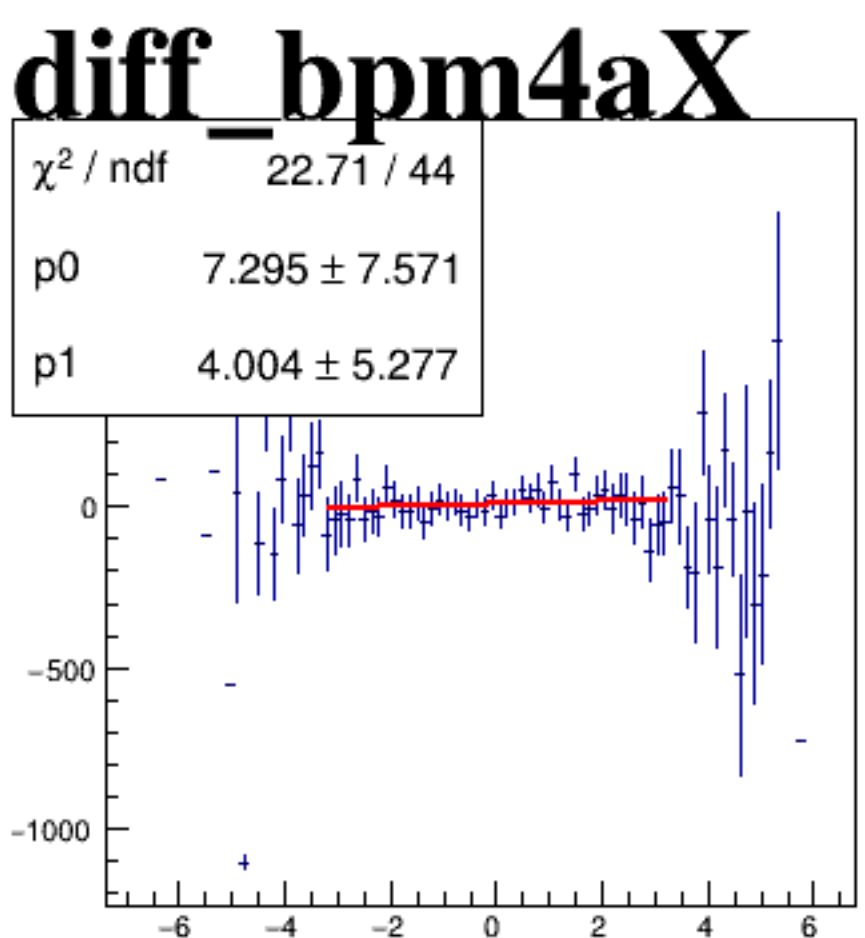
reg_asym_sam2



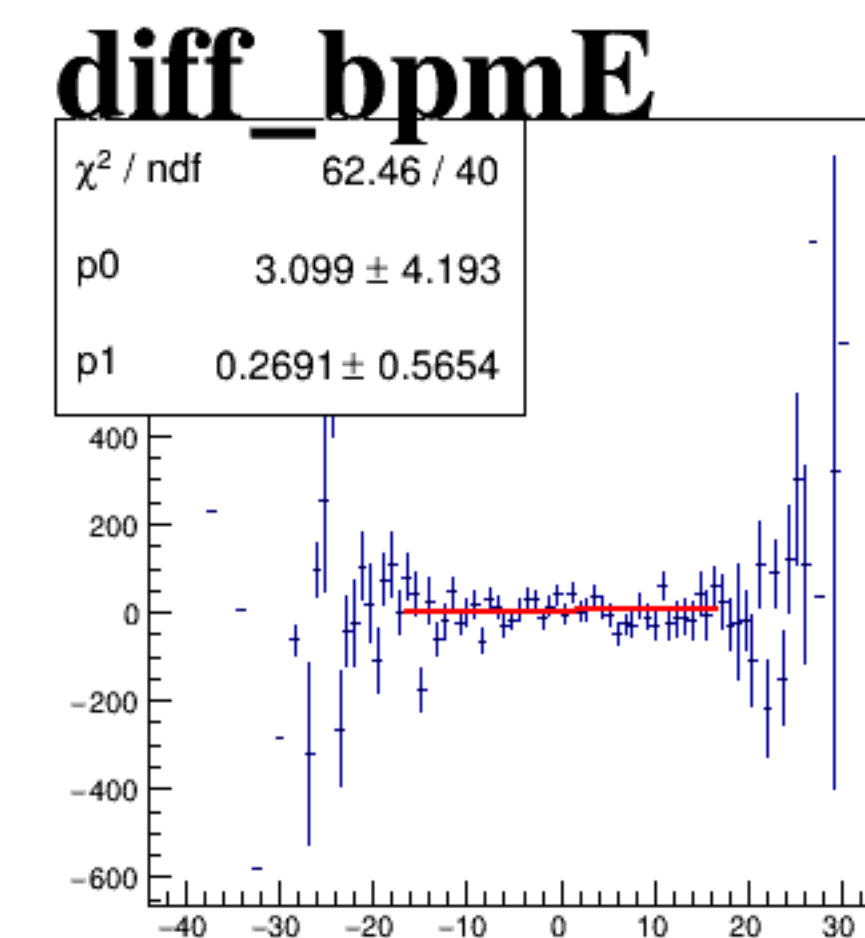
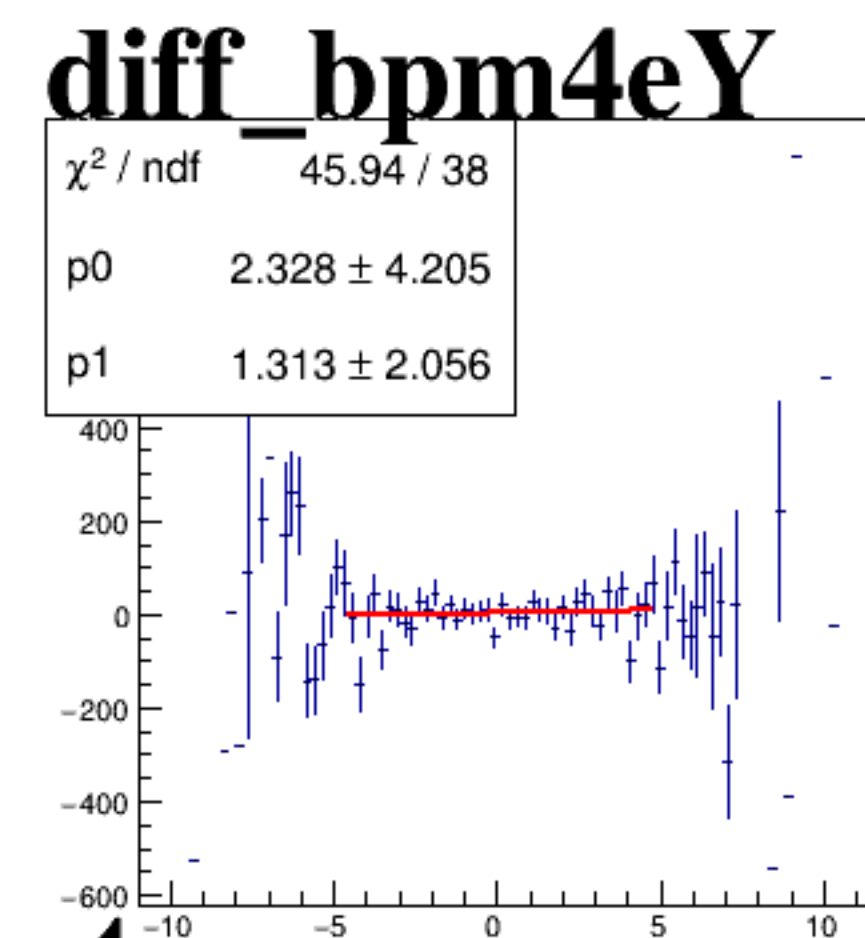
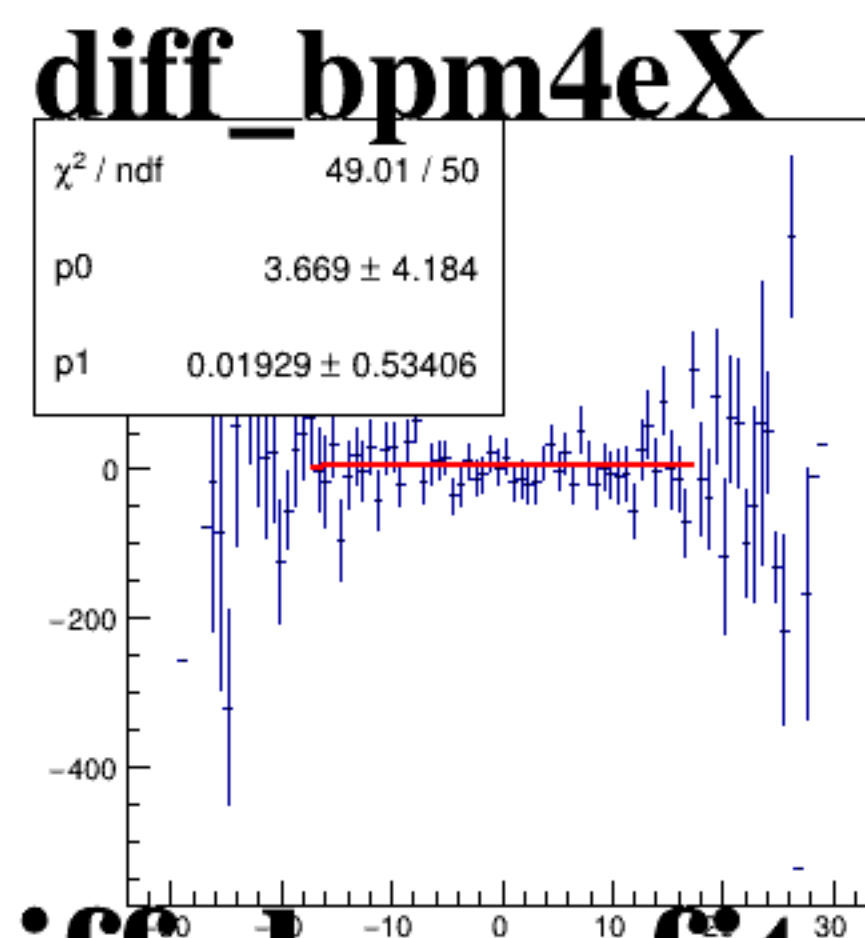
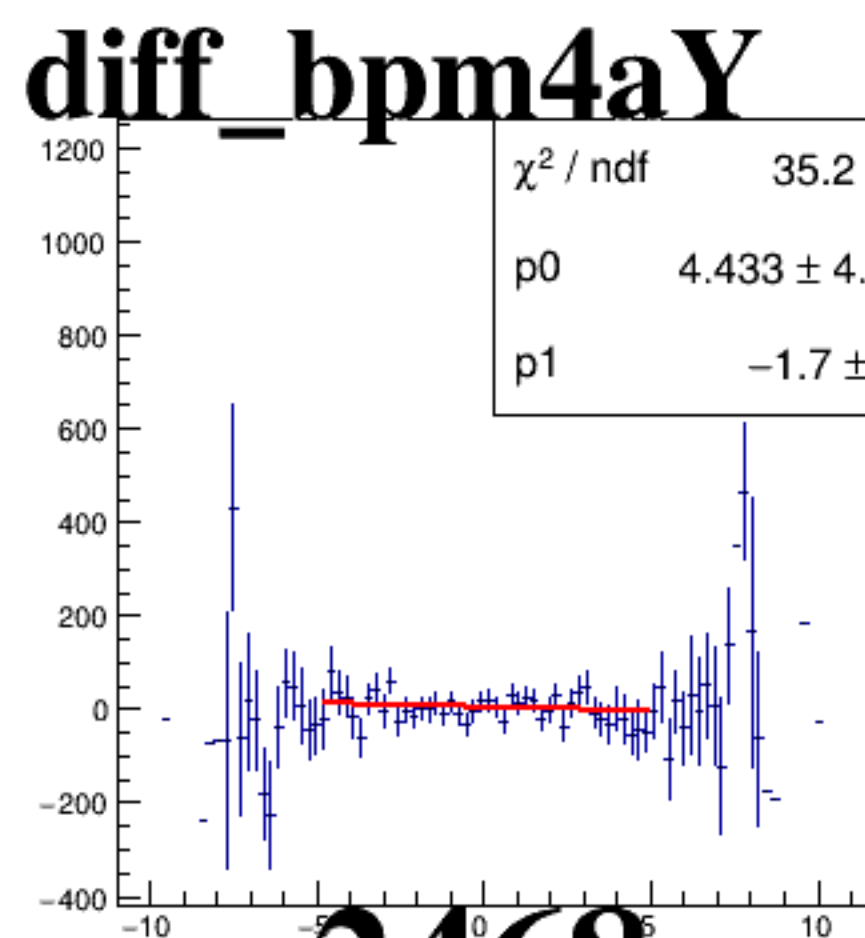
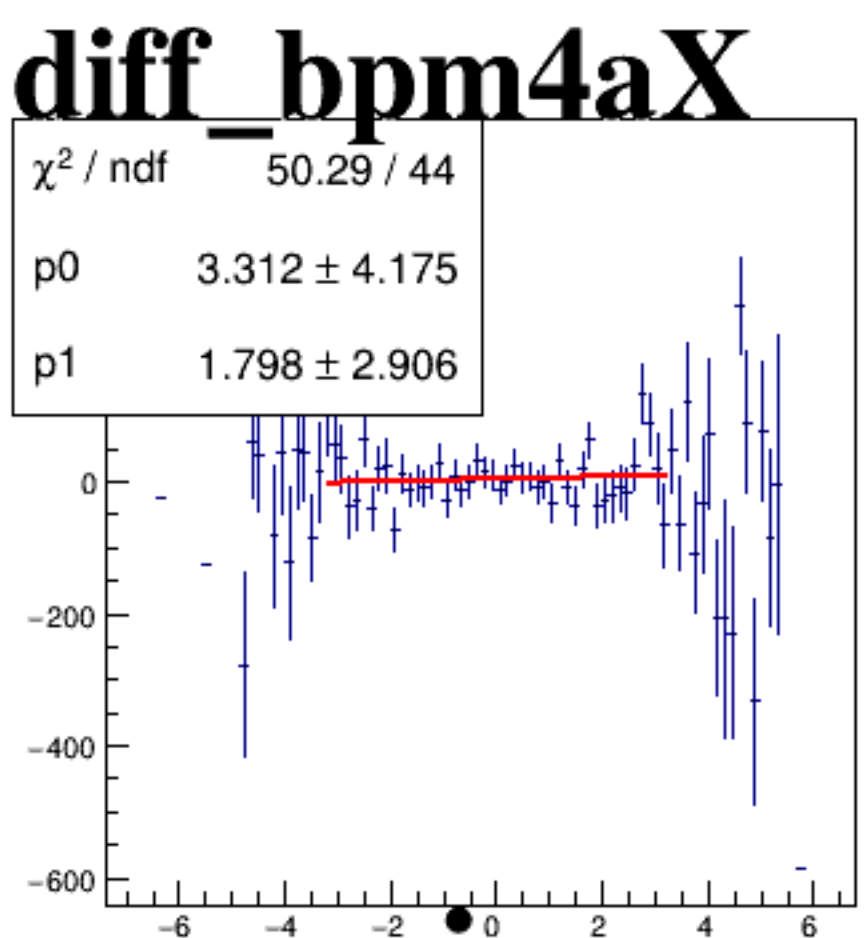
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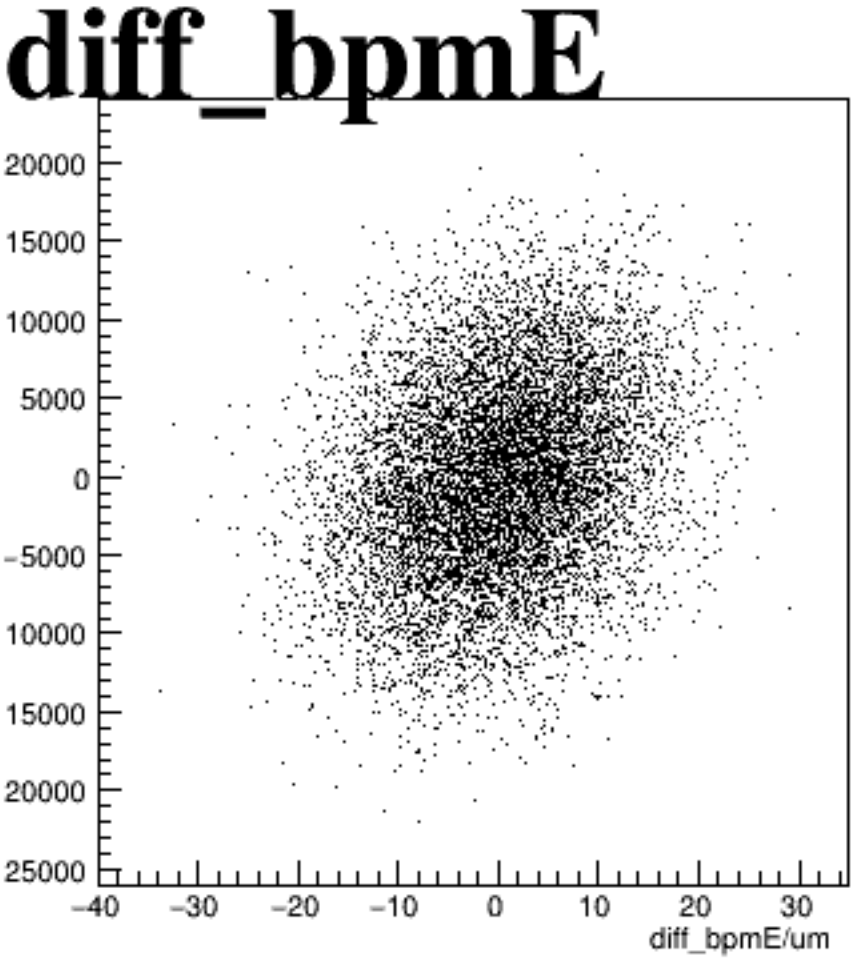
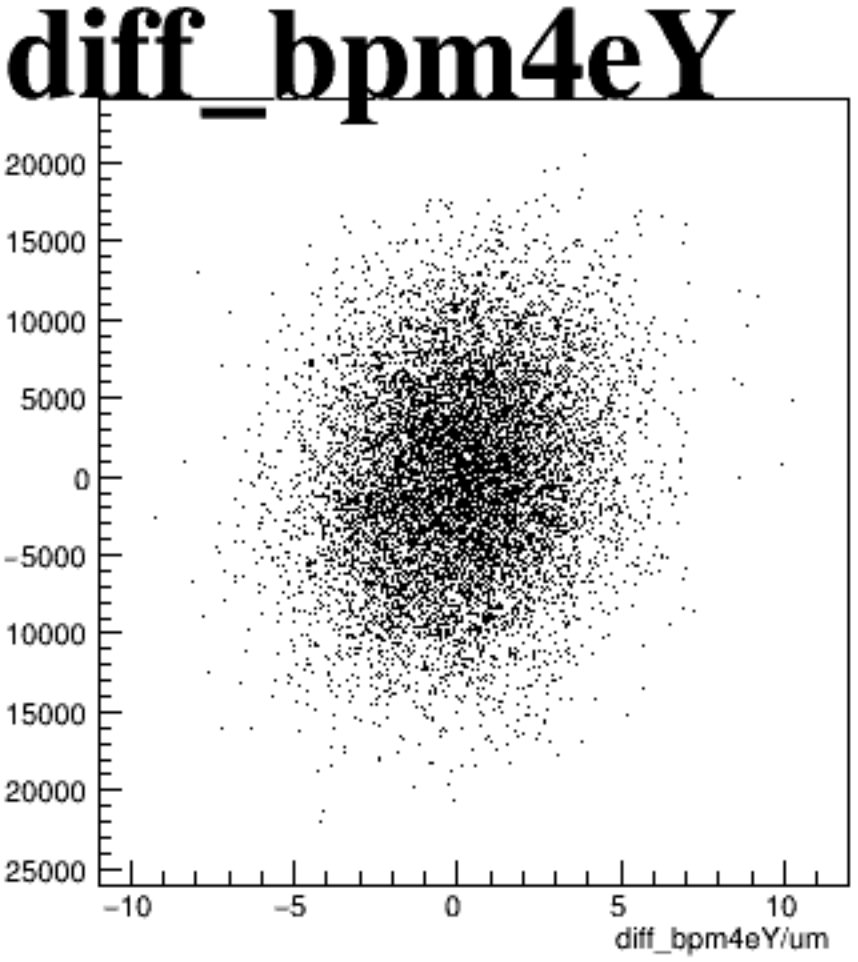
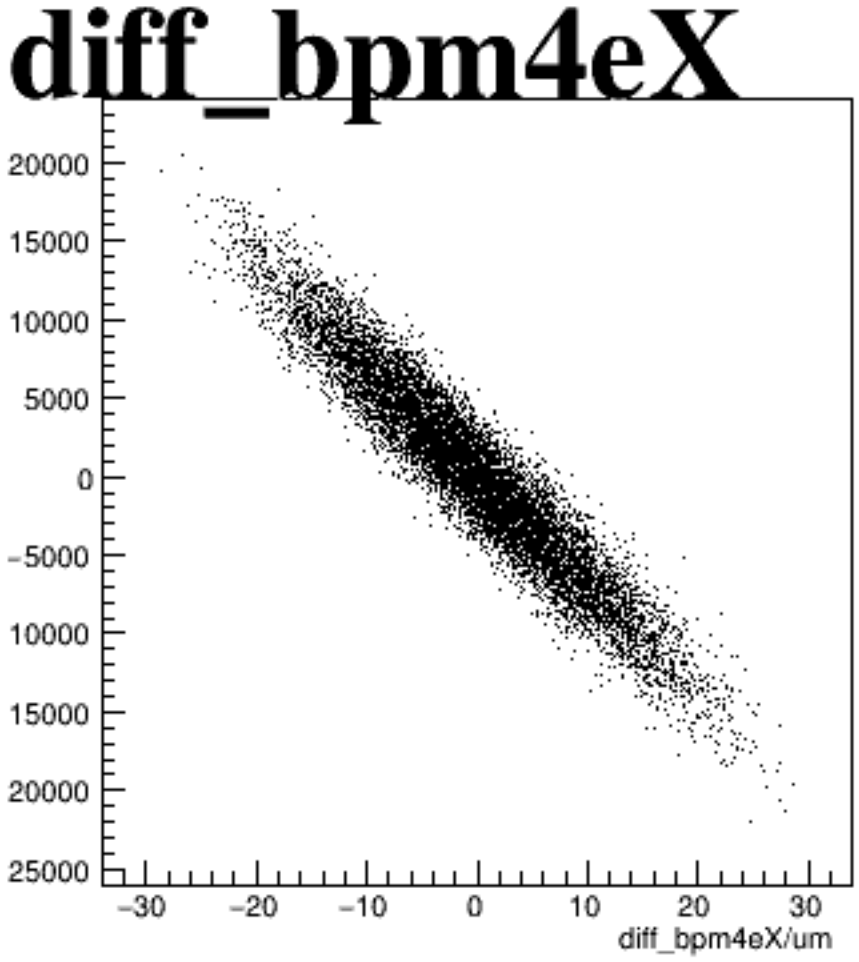
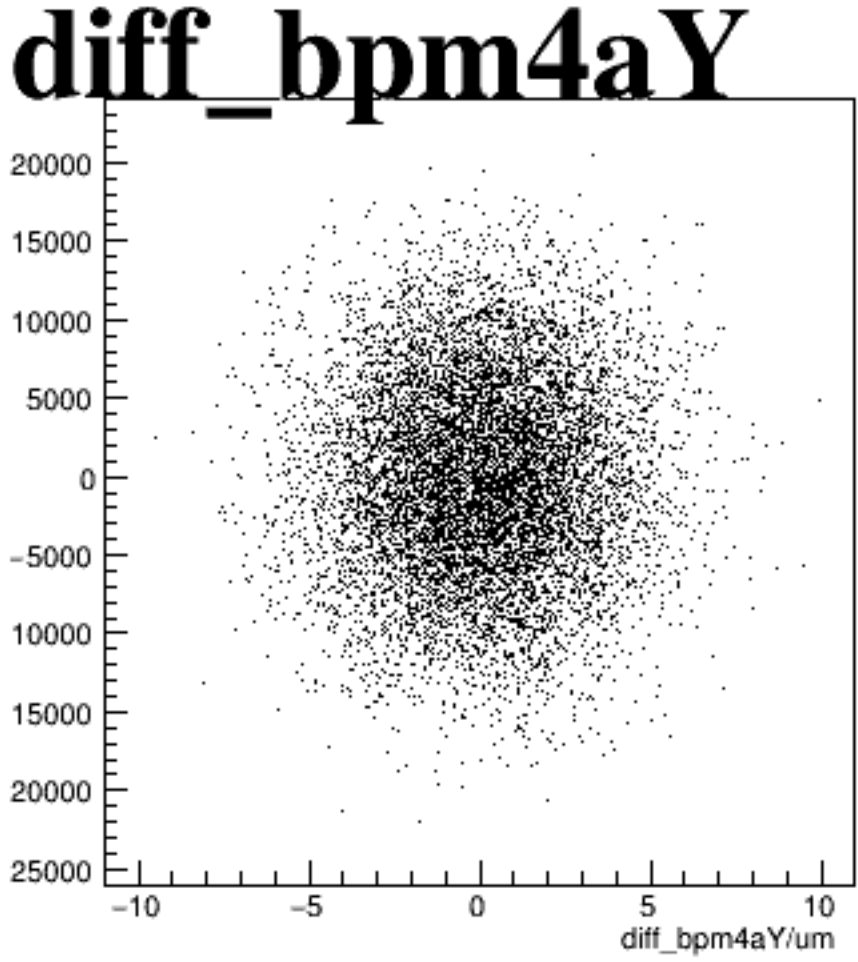
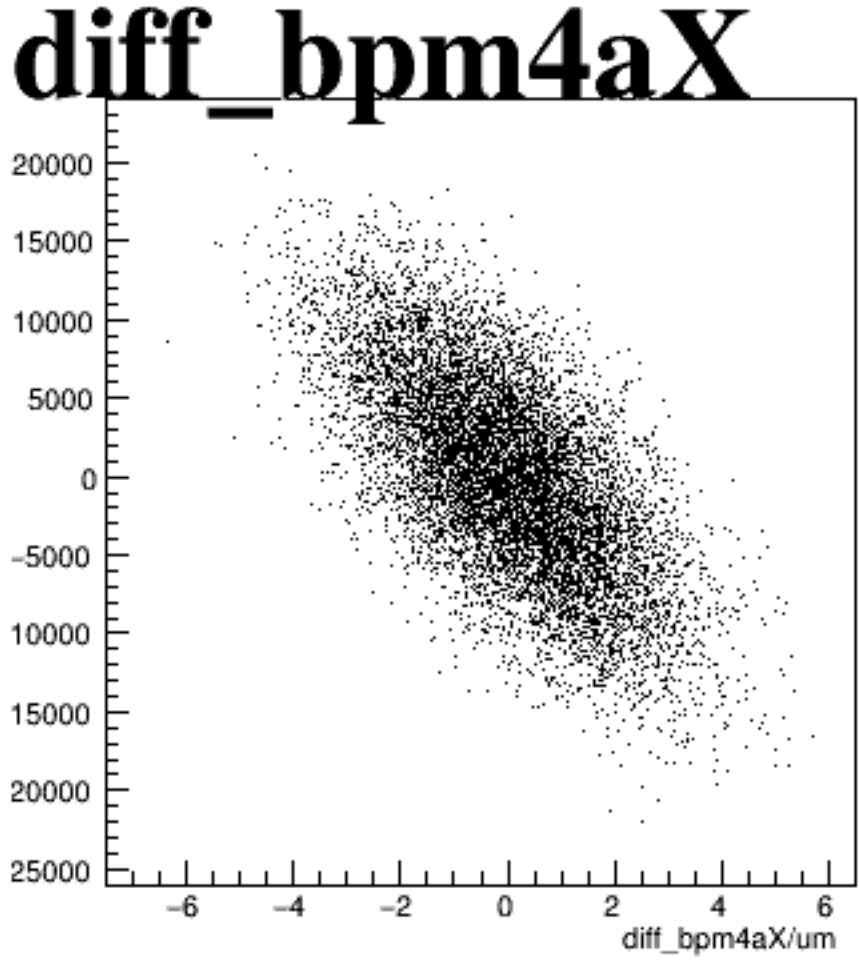
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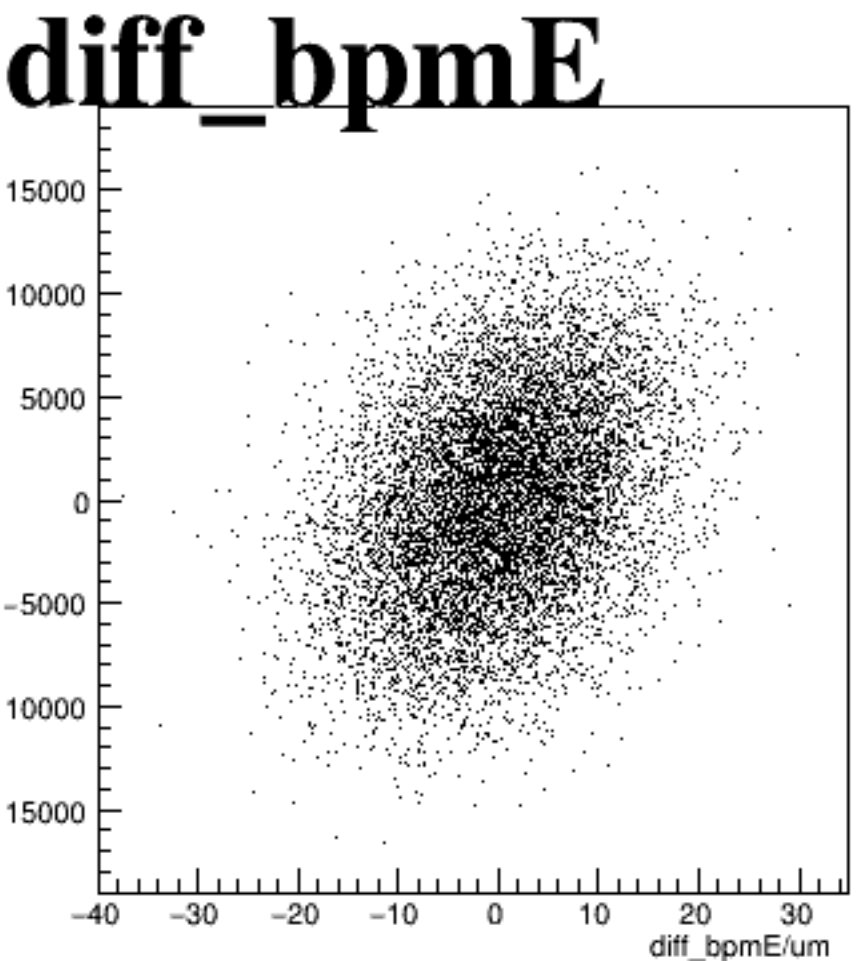
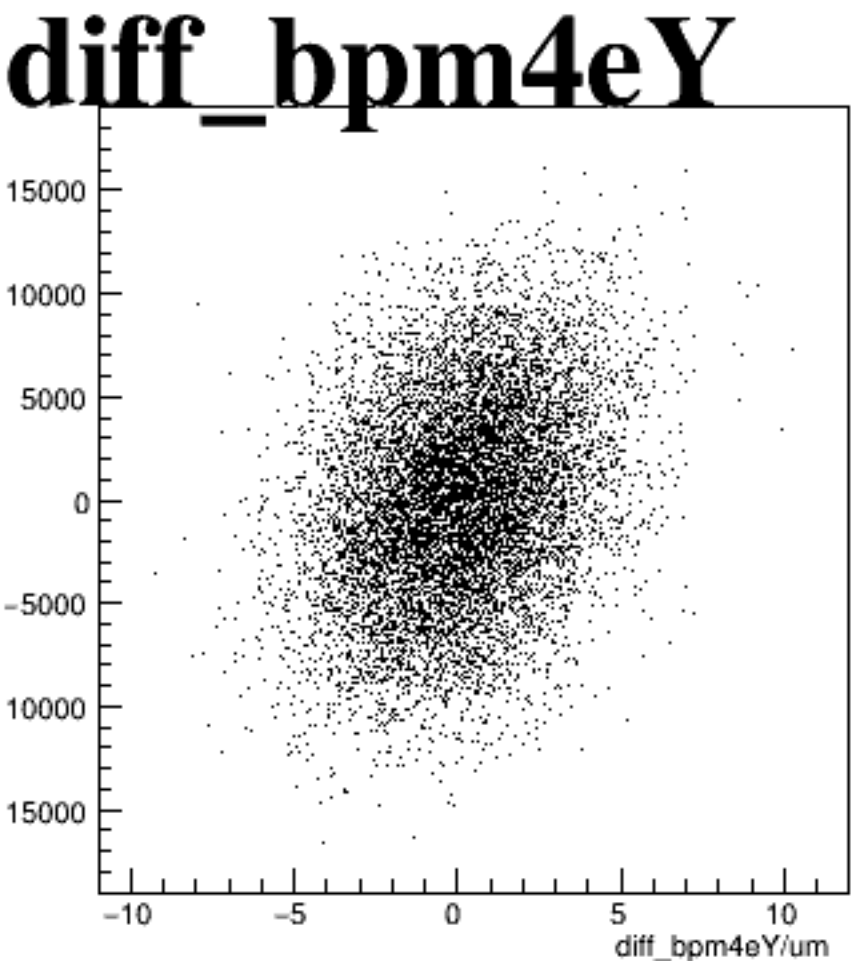
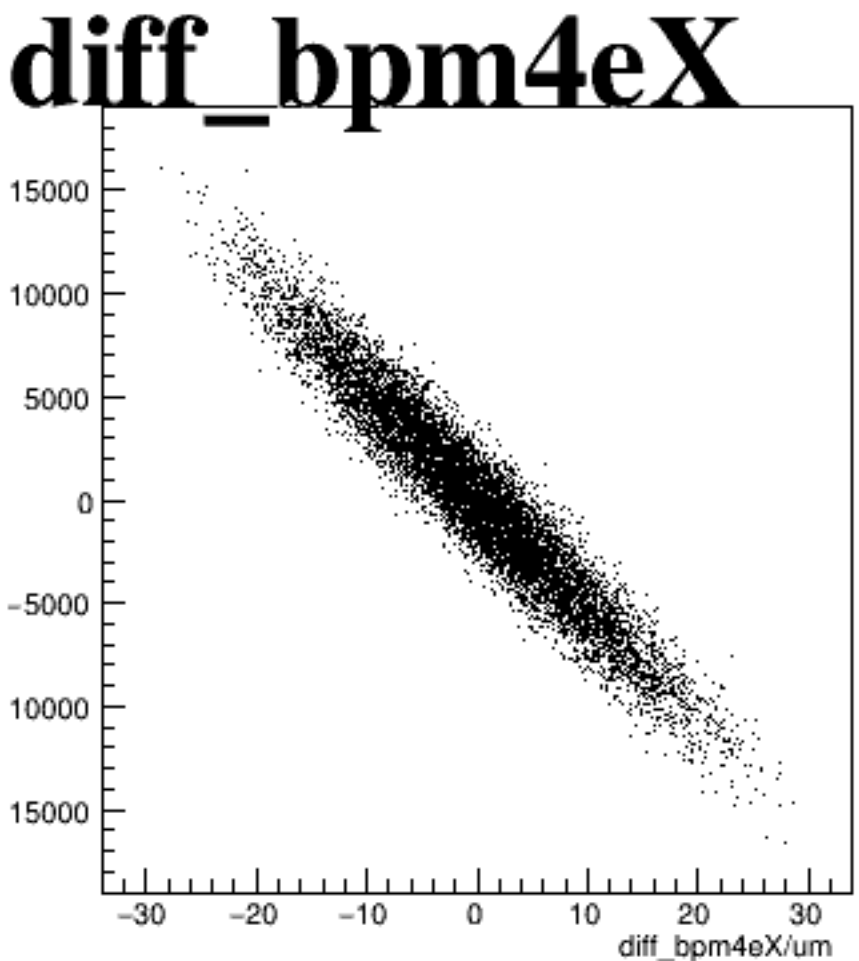
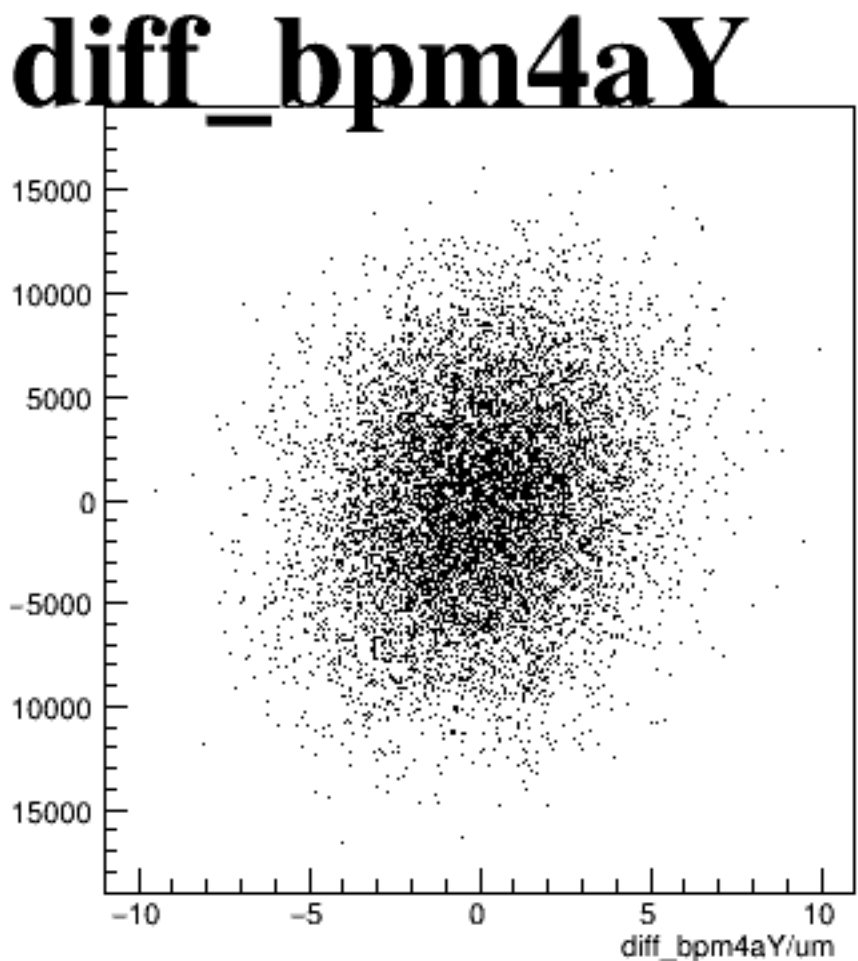
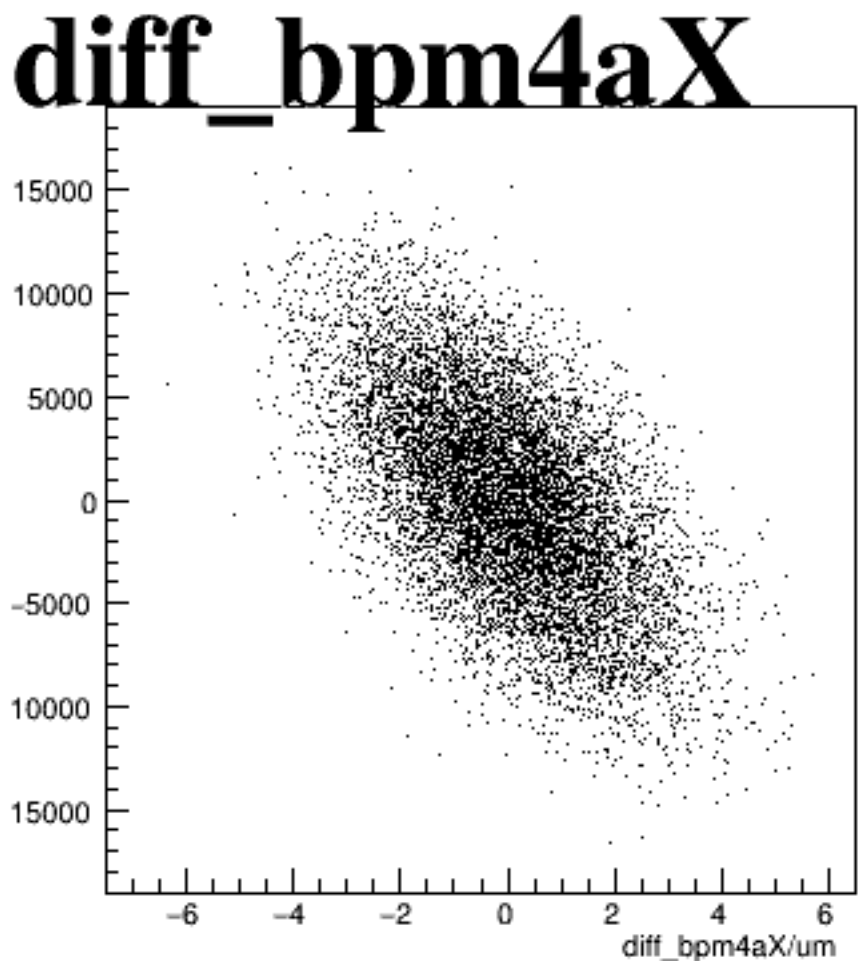
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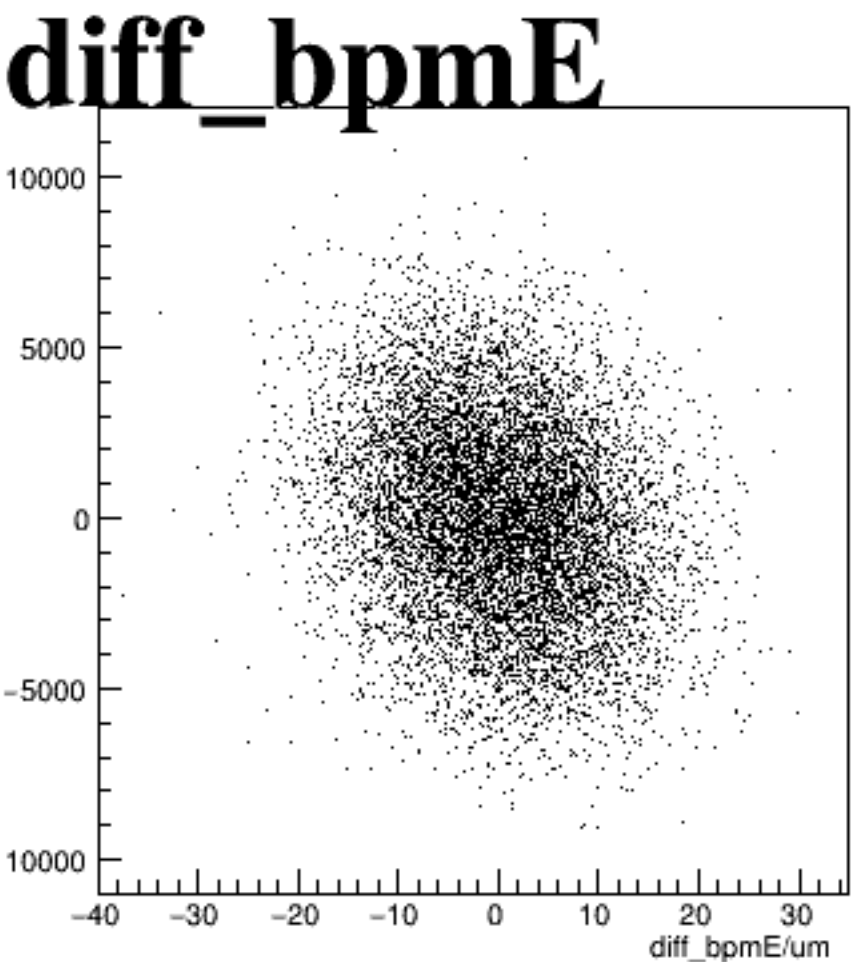
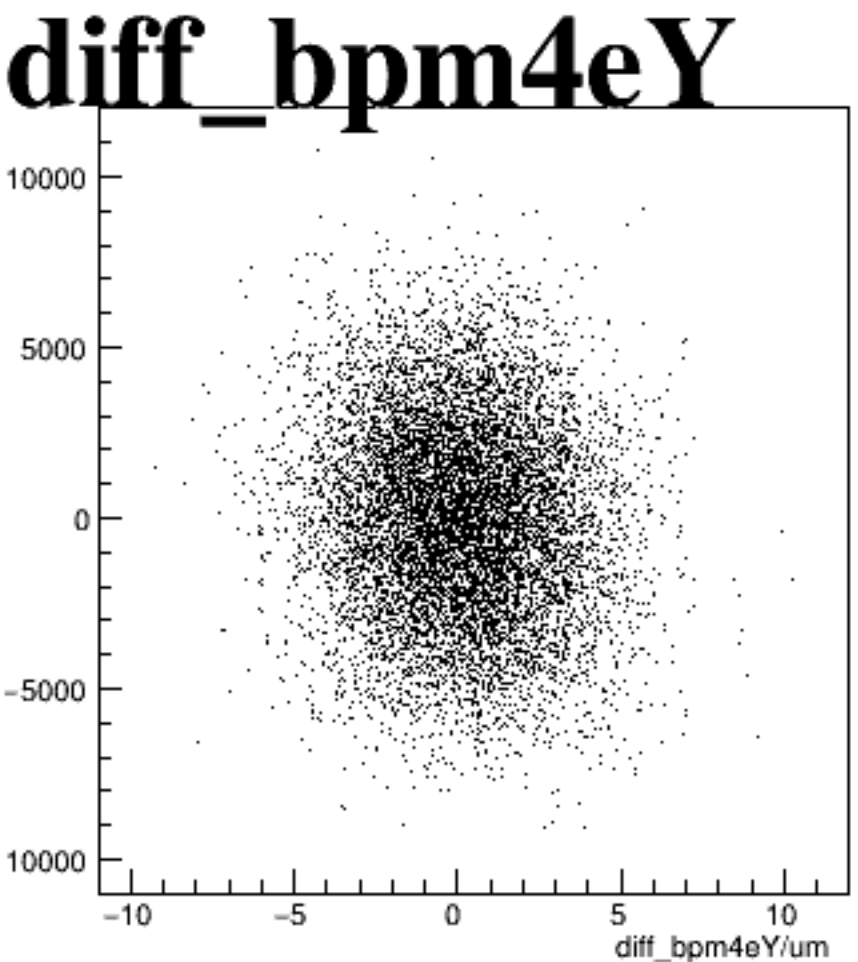
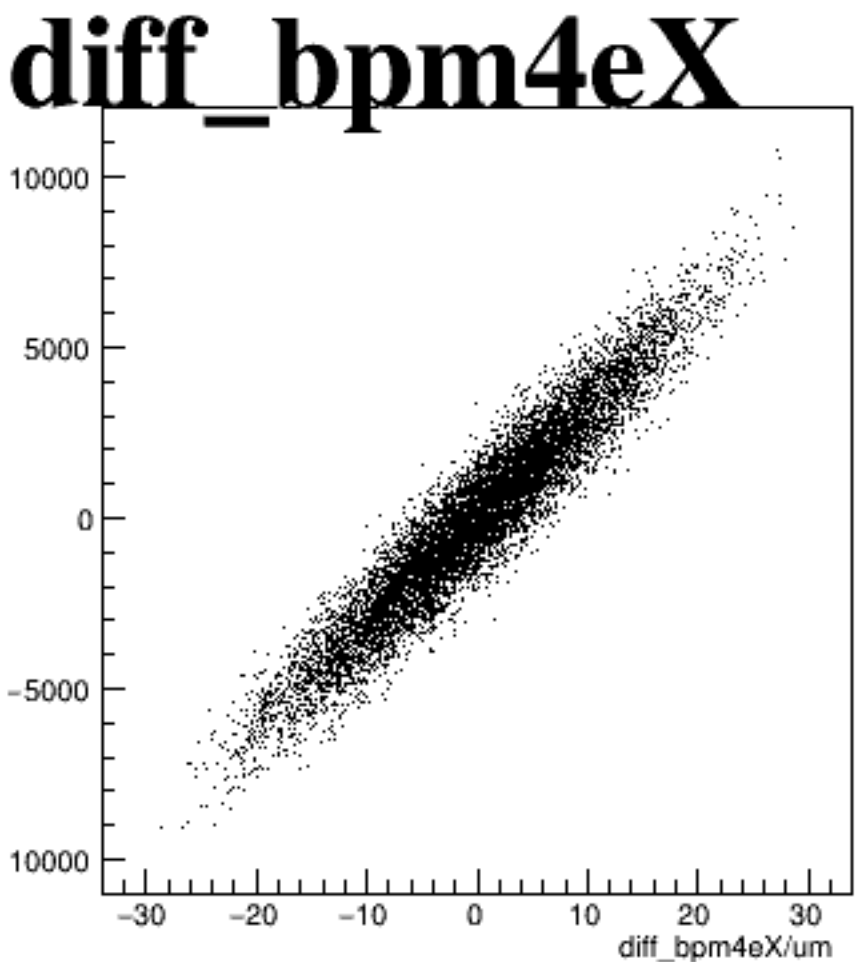
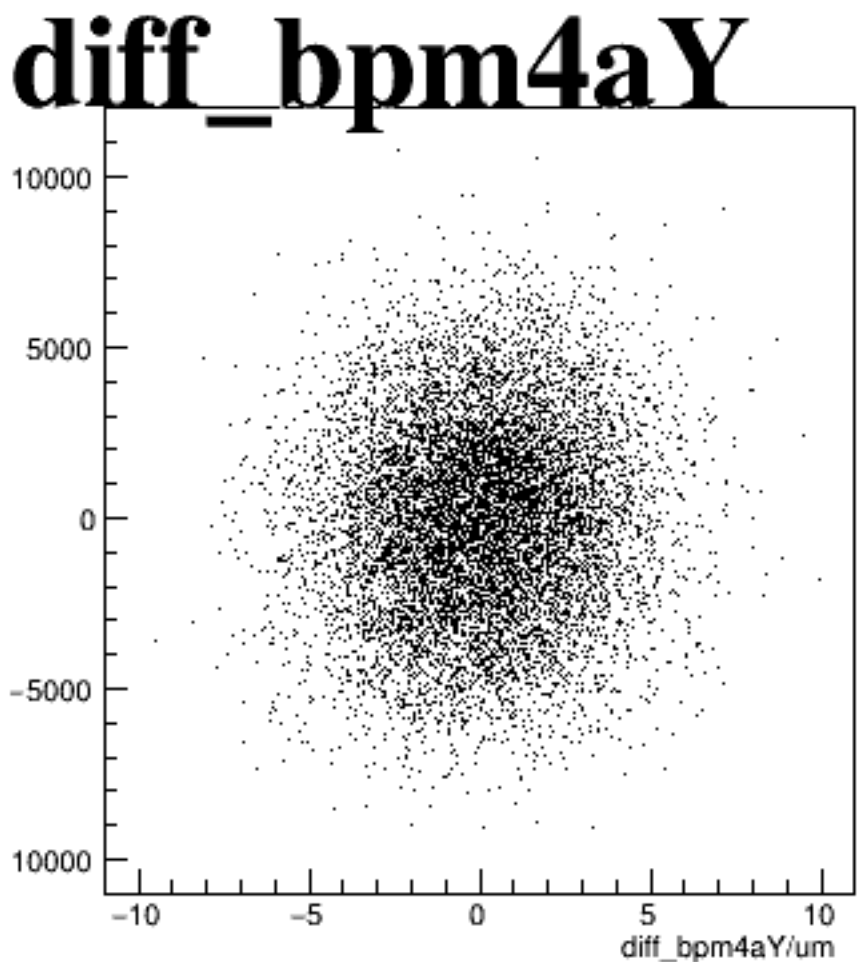
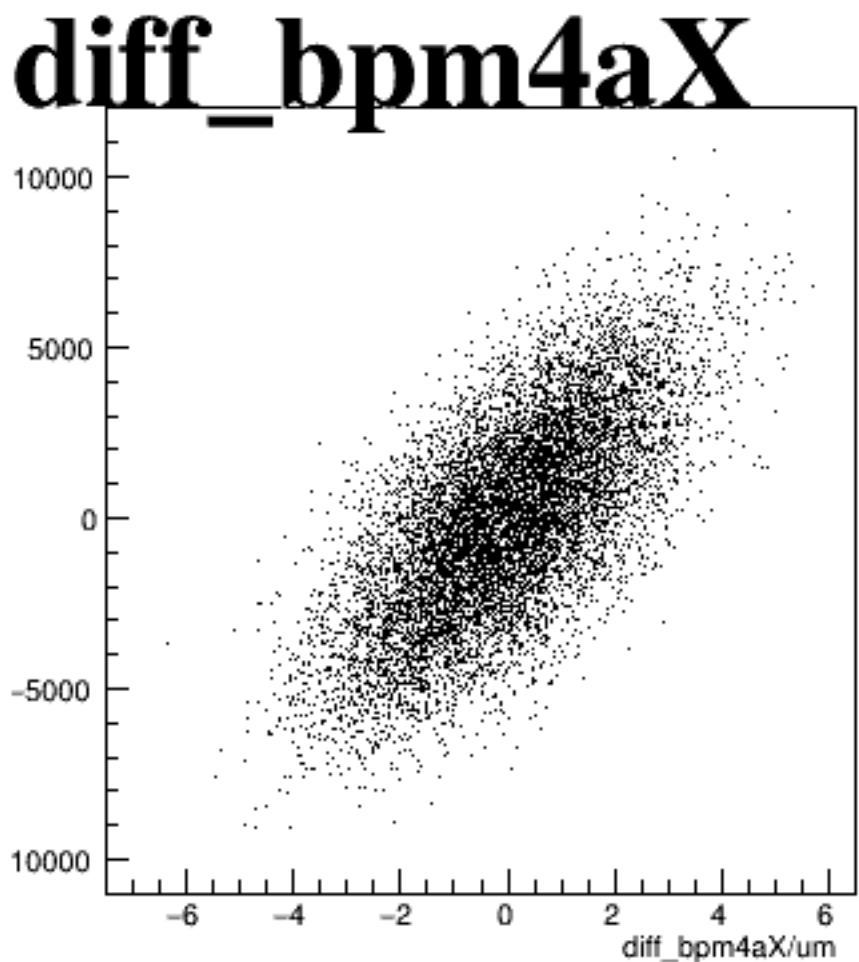
asym_sam2



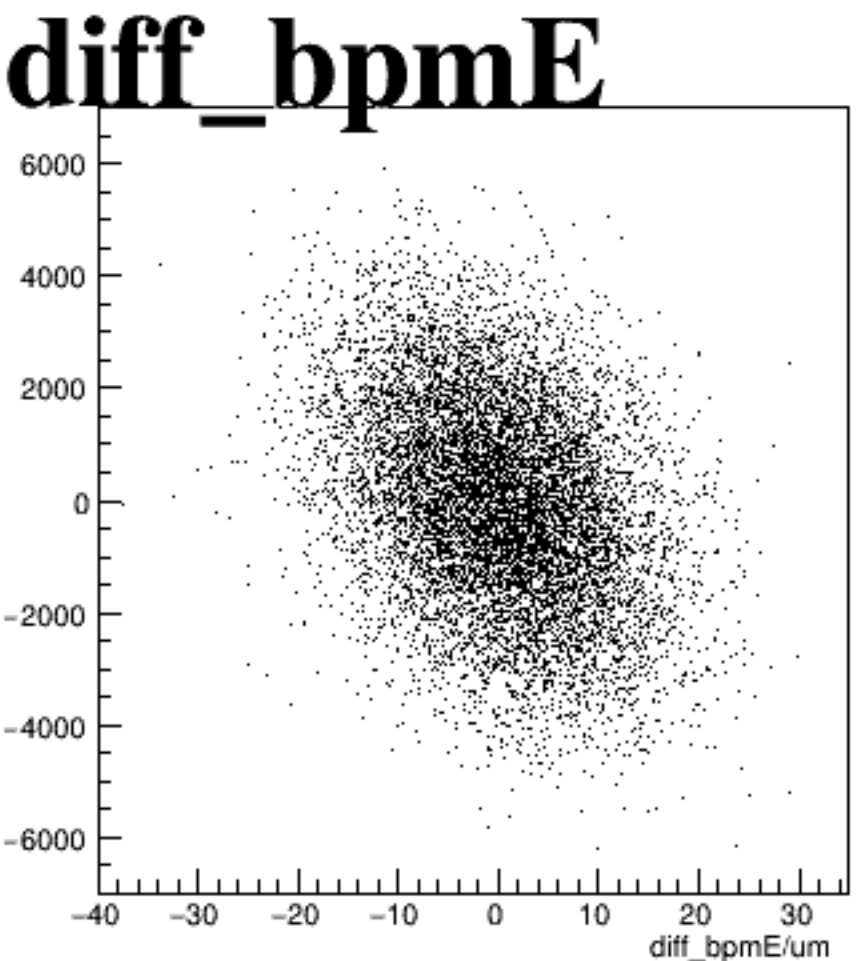
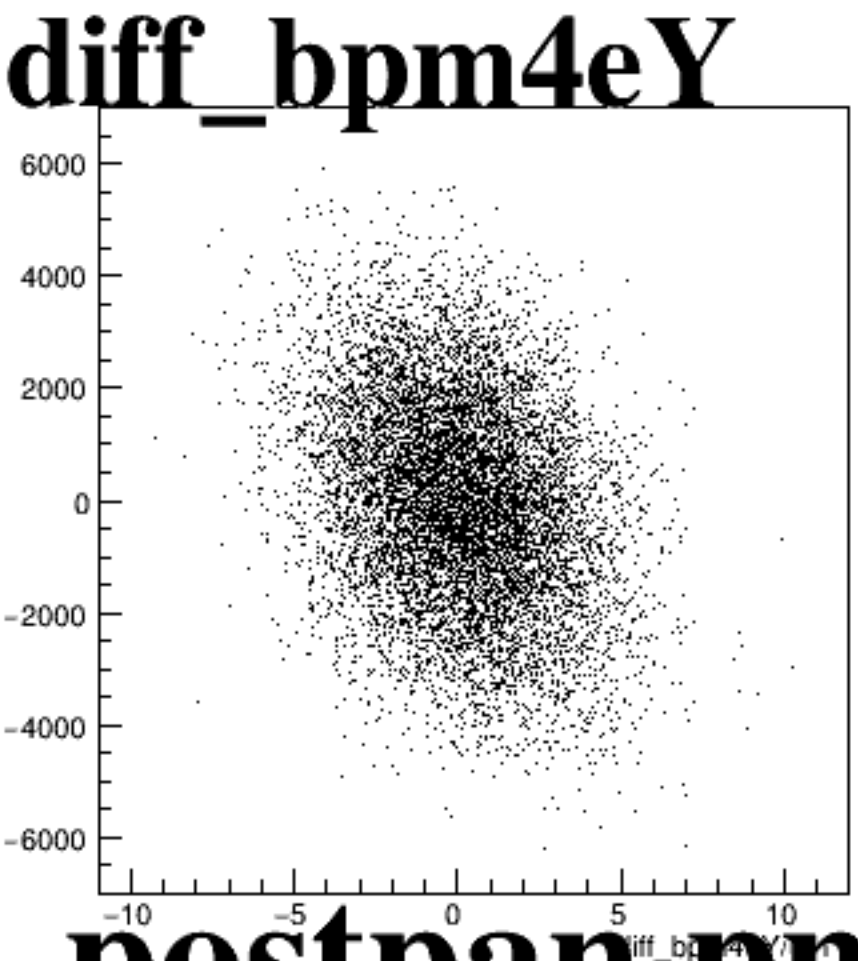
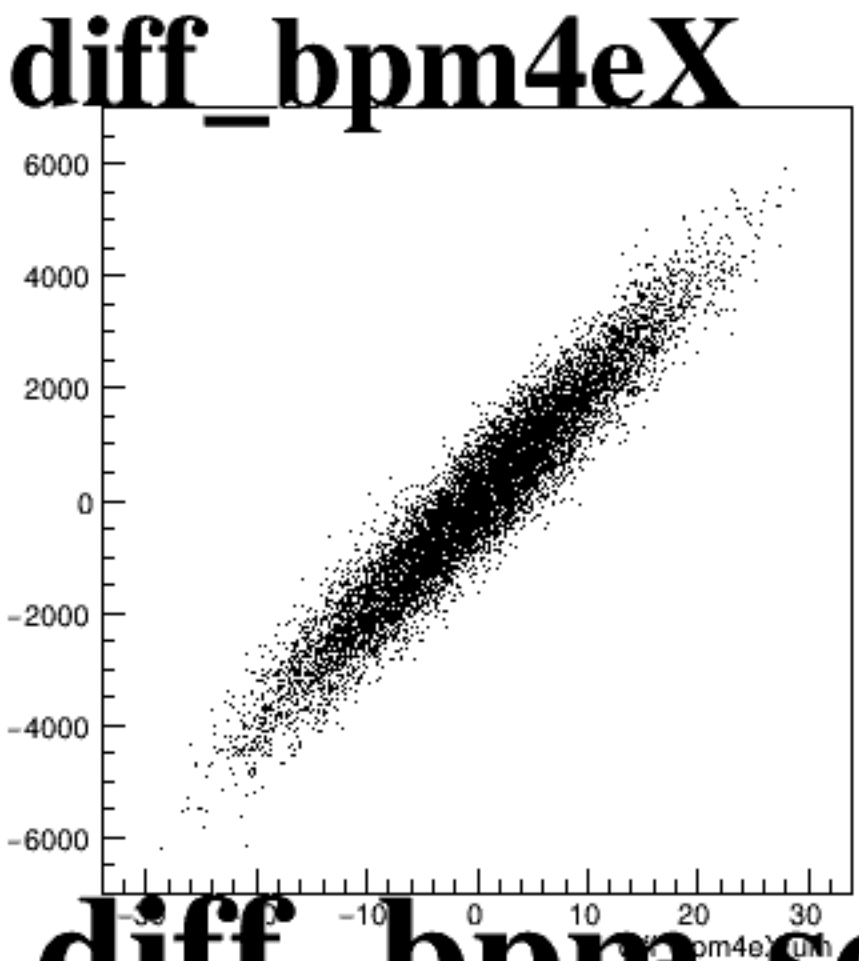
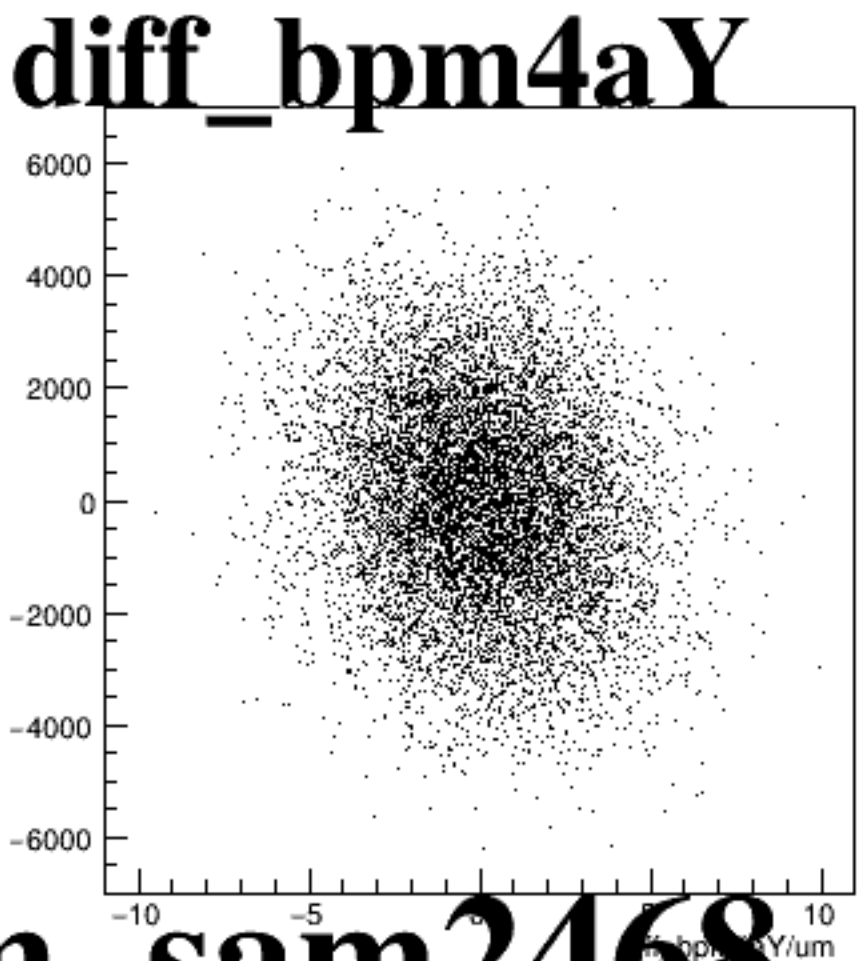
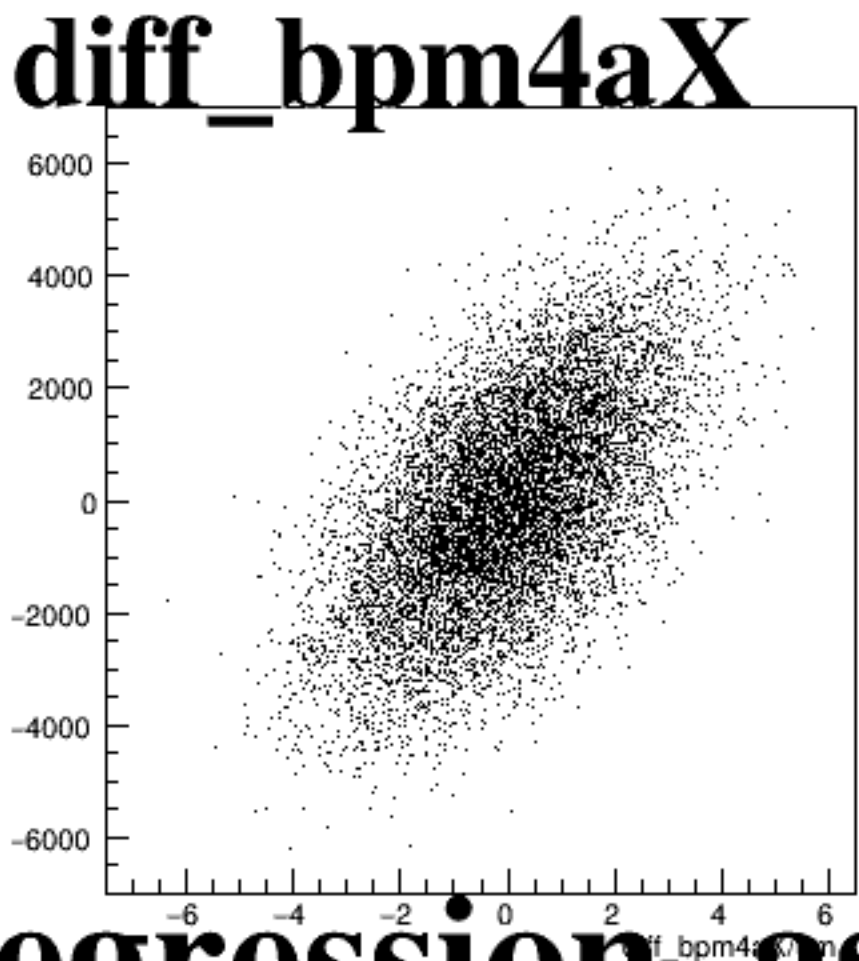
asym_sam4



asym_sam6



asym_sam8

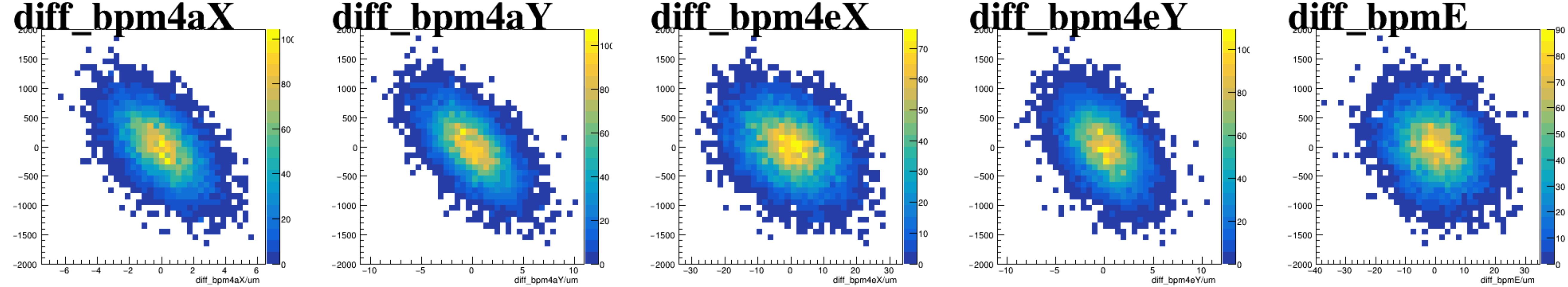


The figure consists of five scatter plots arranged horizontally, each showing the distribution of differences in BPM parameters for four different beam parameters: X, Y, X', and Y'. The plots are titled as follows:

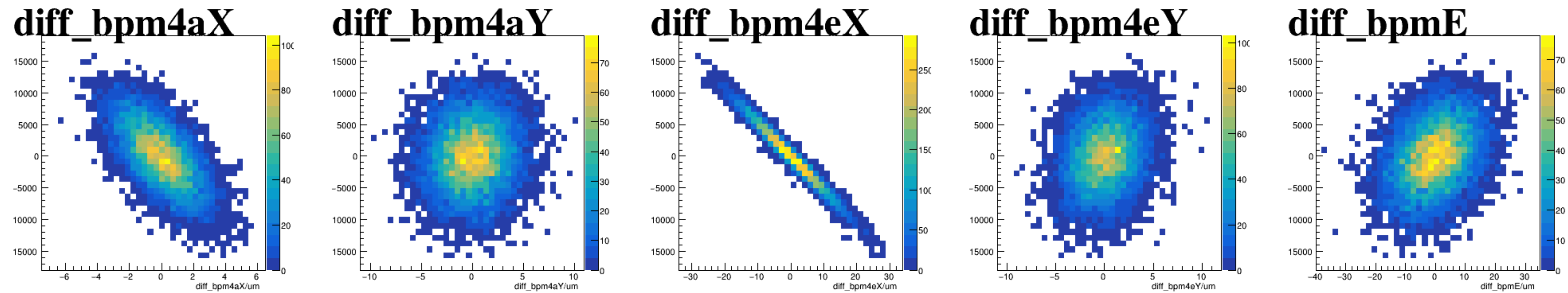
- diff_bpm4aX**: The x-axis is labeled diff_bpm4aX/um and ranges from -6 to 6. The y-axis ranges from -4000 to 4000.
- diff_bpm4aY**: The x-axis is labeled diff_bpm4aY/um and ranges from -10 to 10. The y-axis ranges from -4000 to 4000.
- diff_bpm4eX**: The x-axis is labeled diff_bpm4eX/um and ranges from -30 to 30. The y-axis ranges from -4000 to 4000.
- diff_bpm4eY**: The x-axis is labeled diff_bpm4eY/um and ranges from -10 to 10. The y-axis ranges from -4000 to 4000.
- diff_bpmE**: The x-axis is labeled diff_bpmE/um and ranges from -40 to 40. The y-axis ranges from -4000 to 4000.

Each plot displays a dense, roughly circular cloud of points centered at the origin, indicating a Gaussian-like distribution of the differences. The axes are labeled with the parameter name and the unit 'um'.

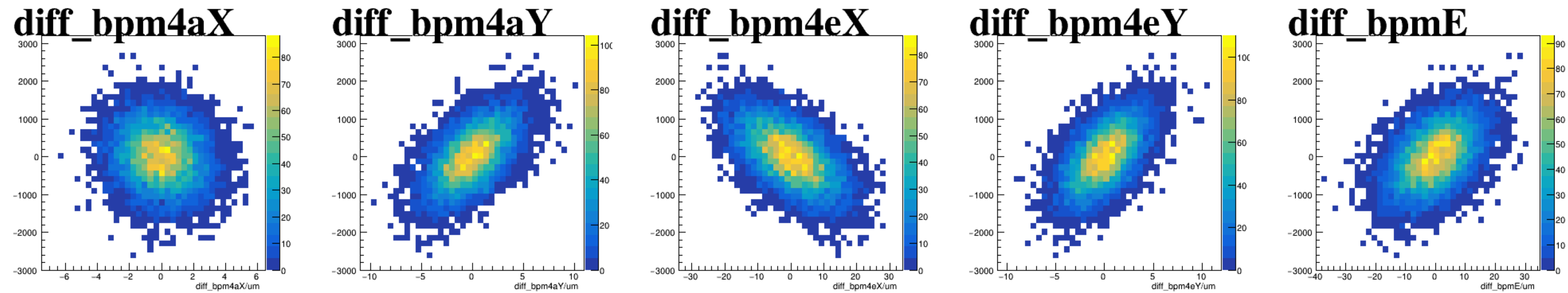
asym_sam1



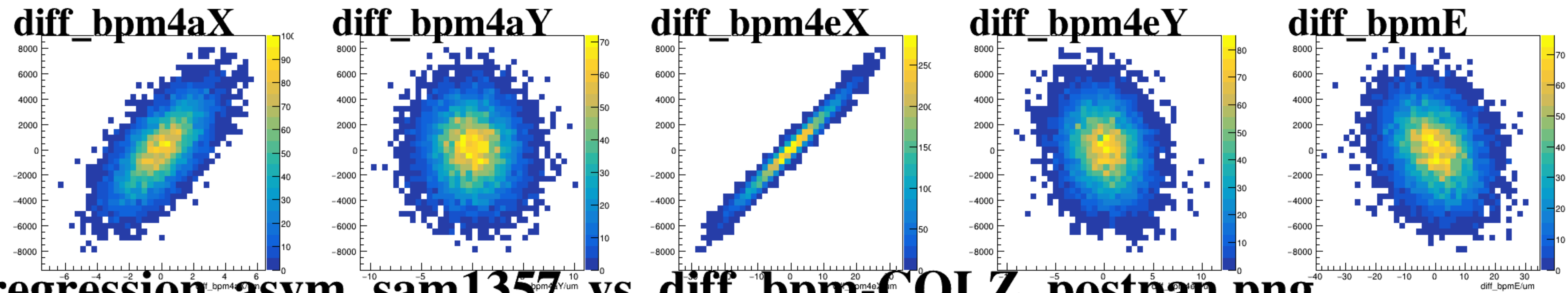
asym_sam3



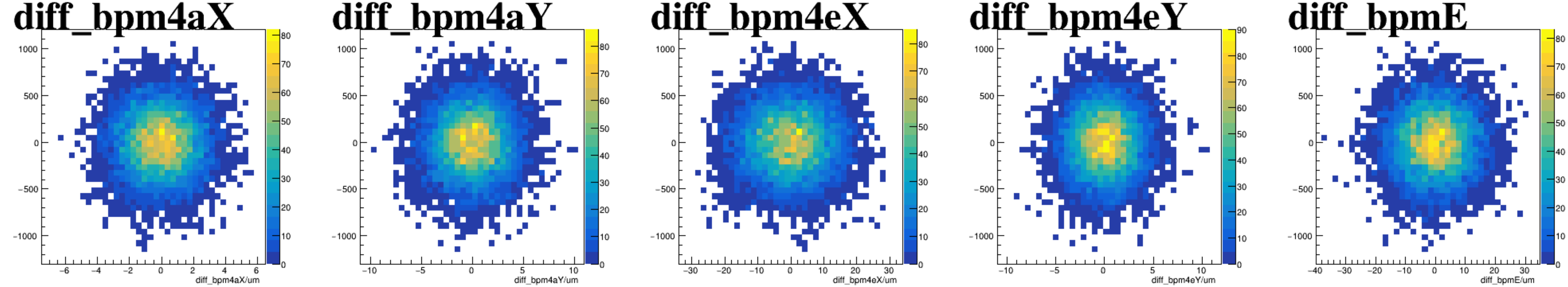
asym_sam5



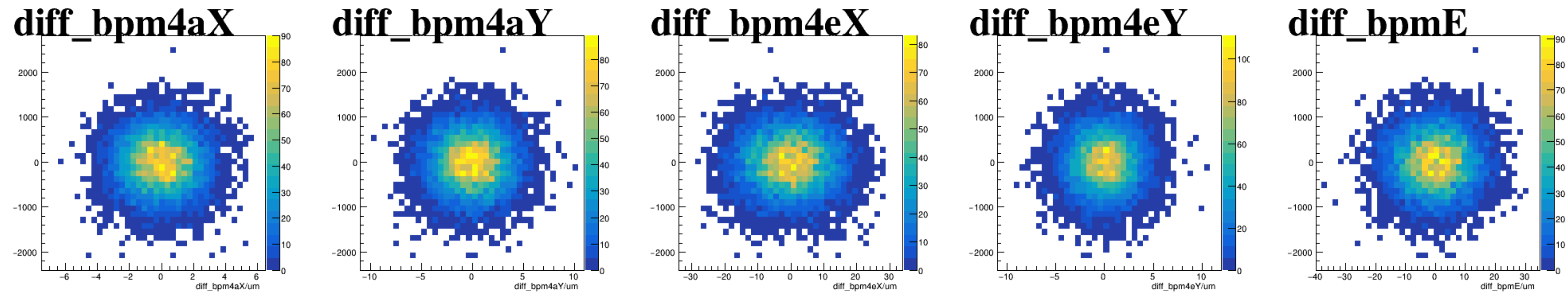
asym_sam7



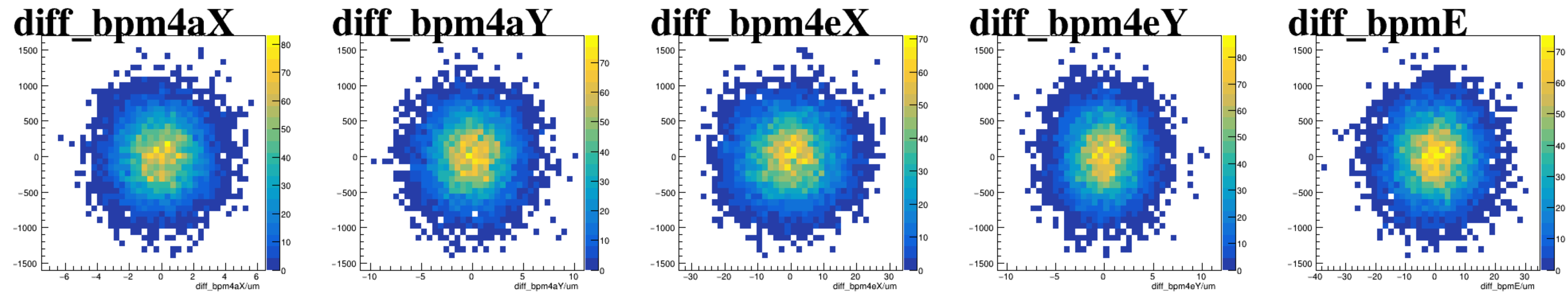
reg_asym_sam1



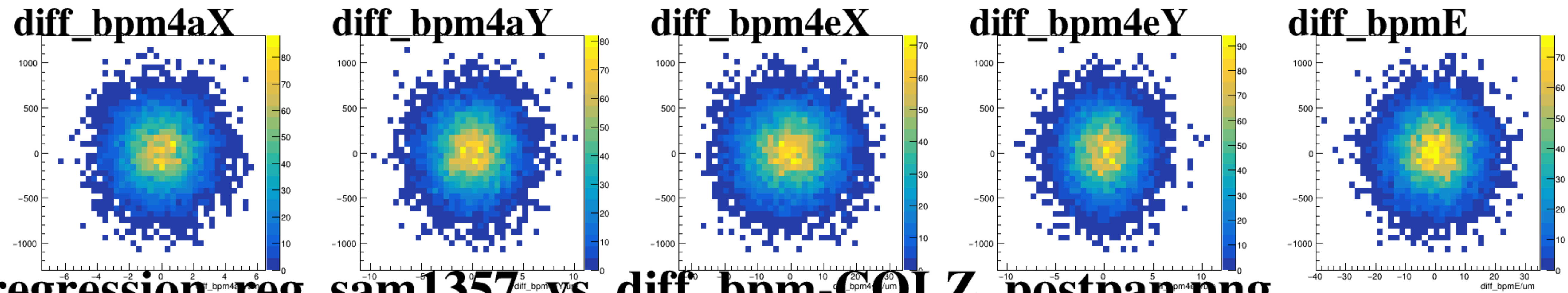
reg_asym_sam3



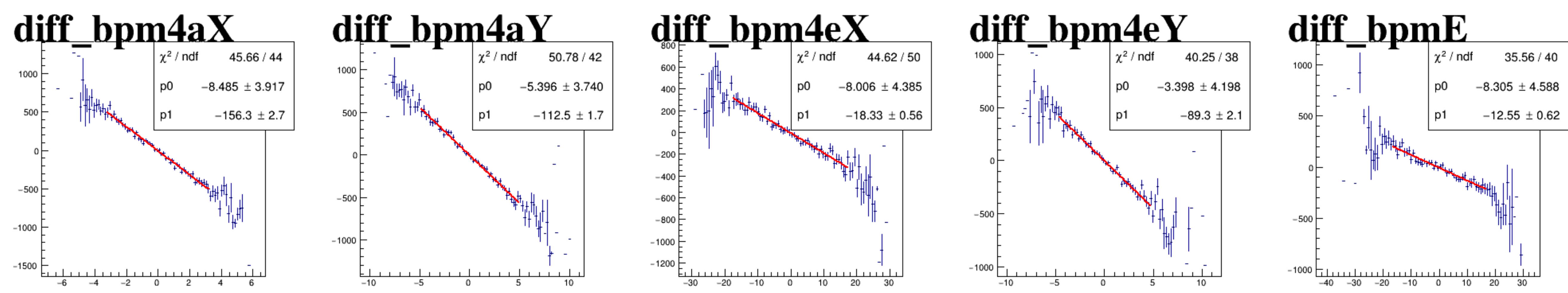
reg_asym_sam5



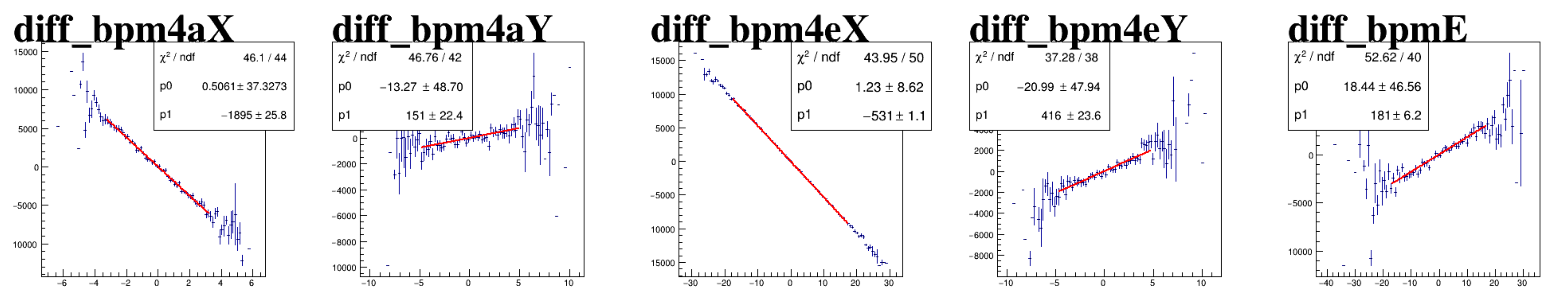
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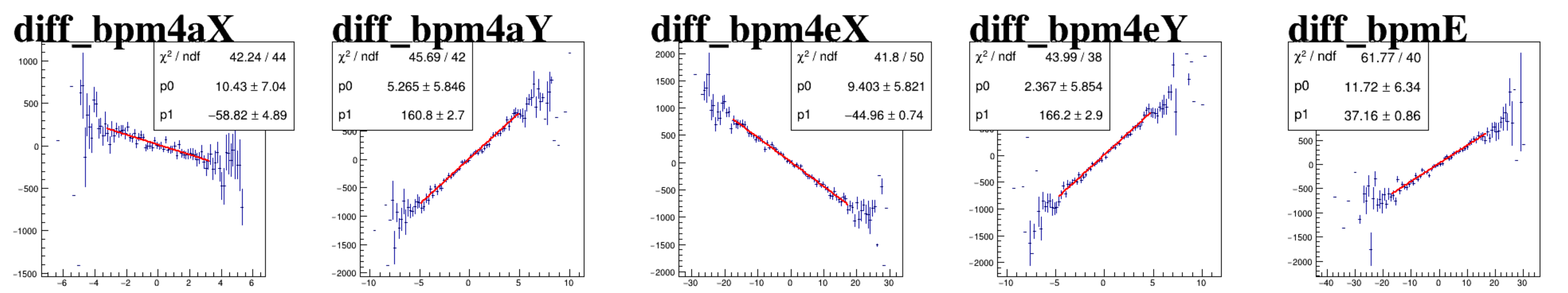
asym_sam1



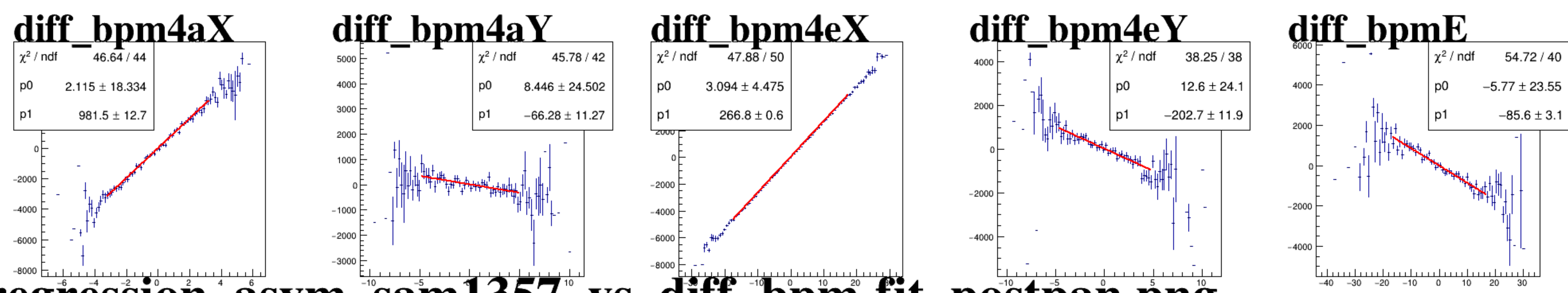
asym_sam3



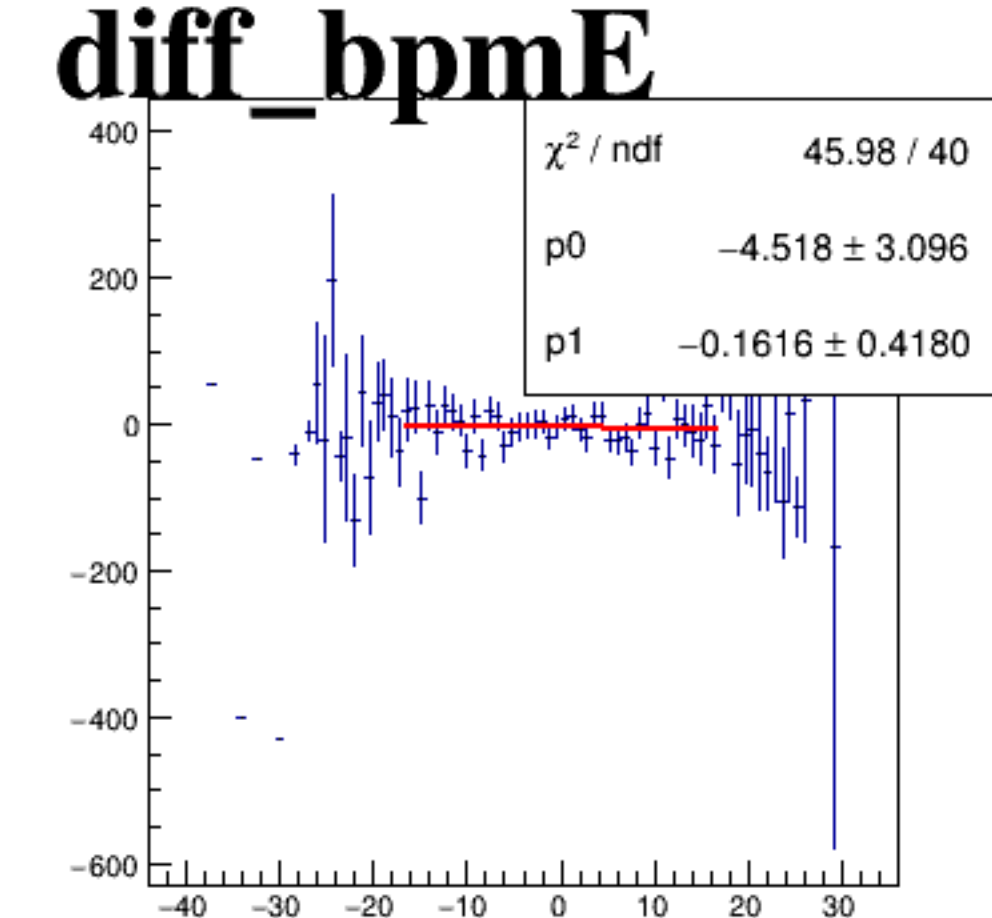
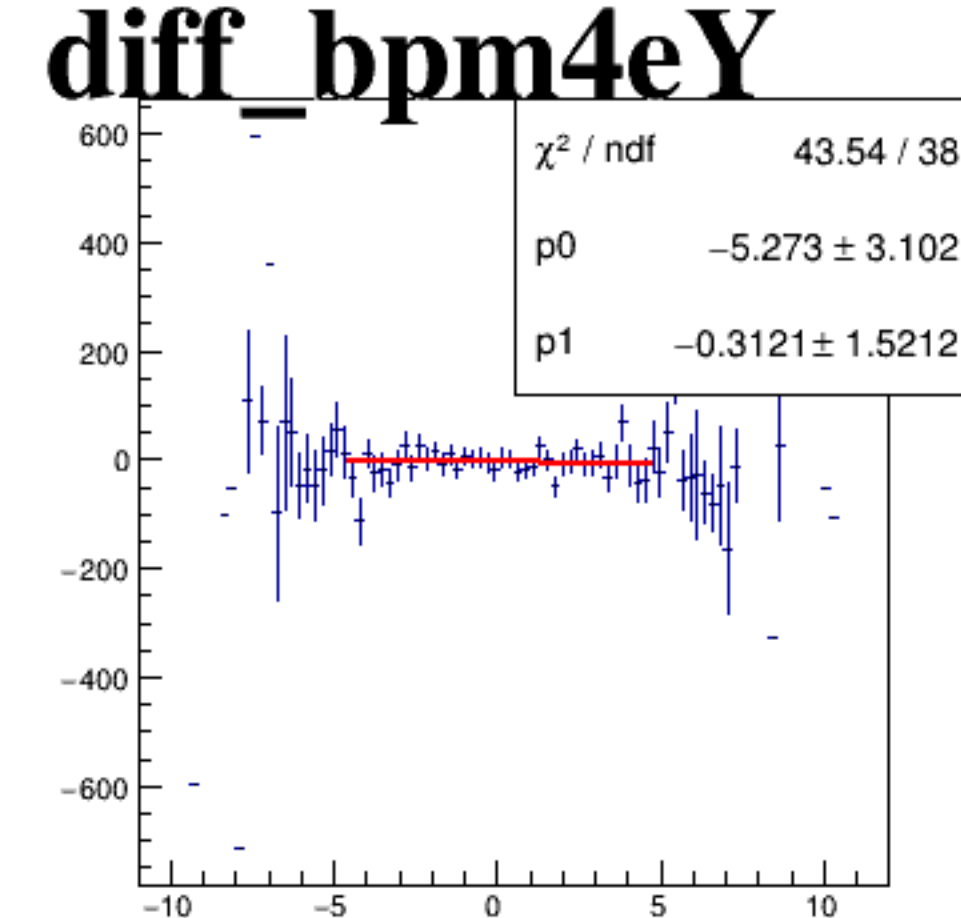
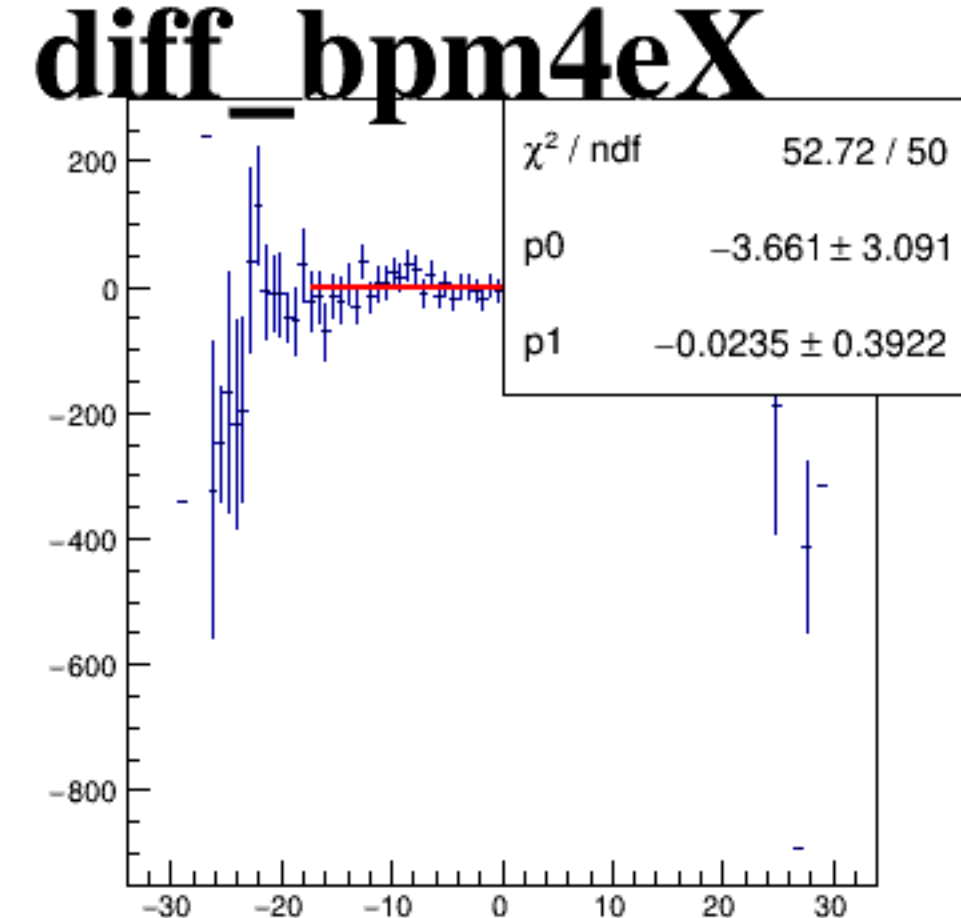
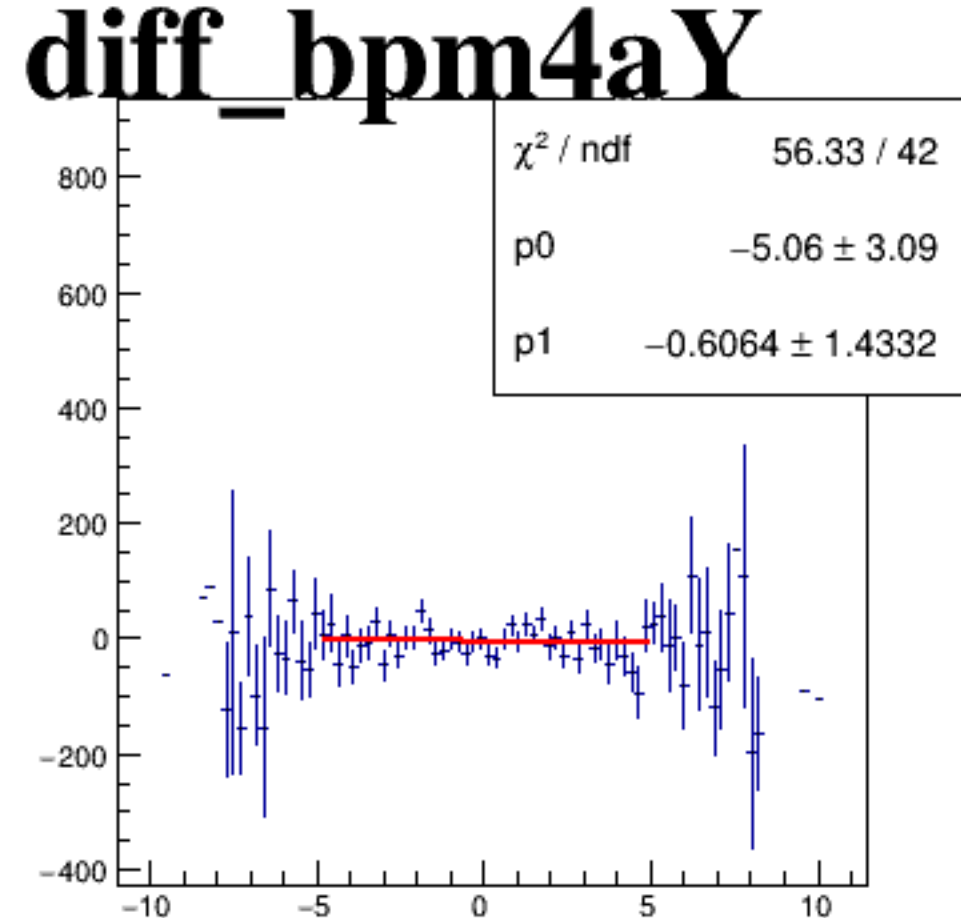
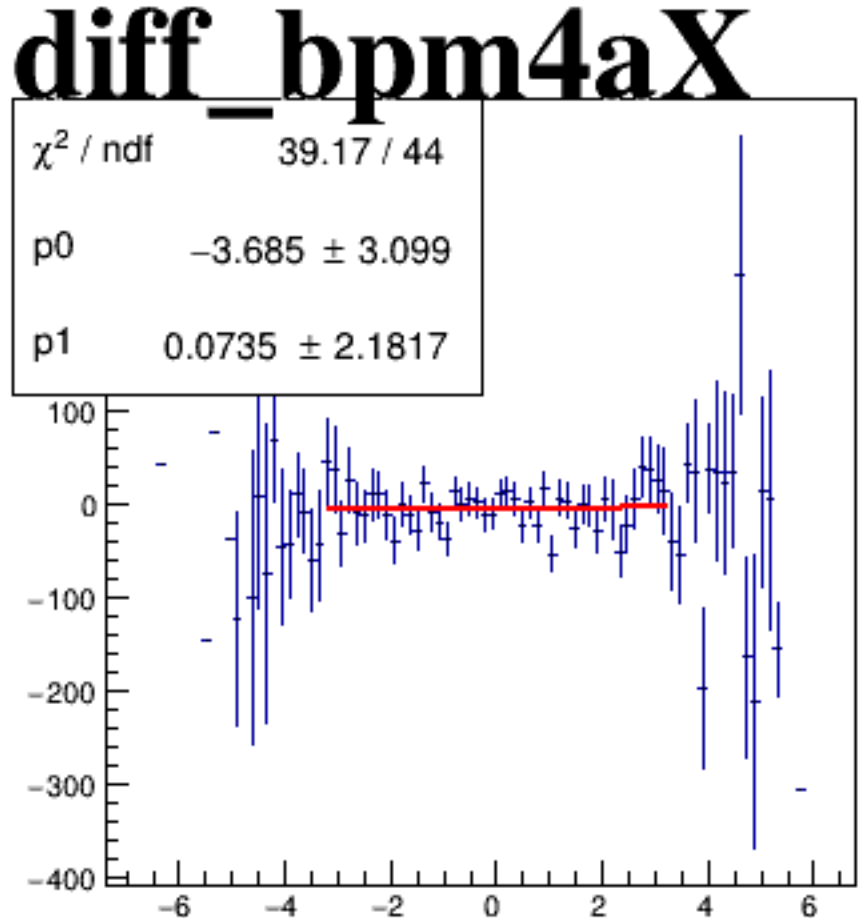
asym_sam5



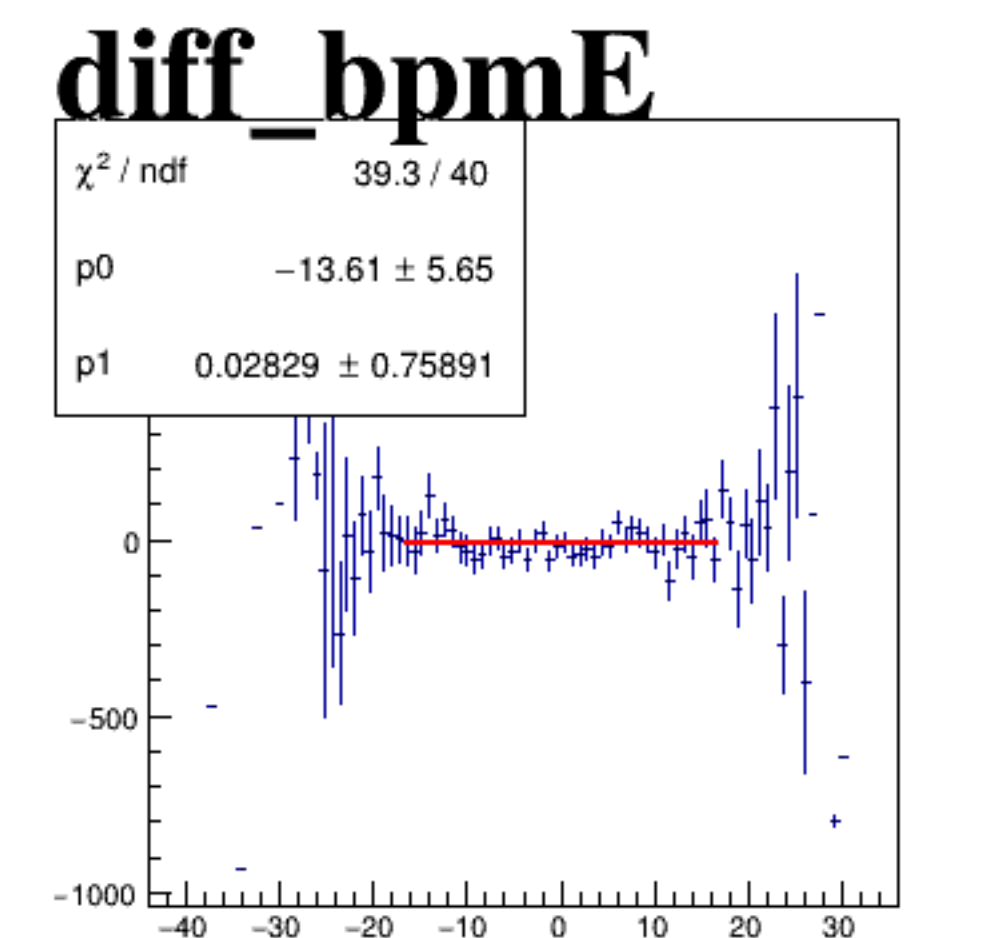
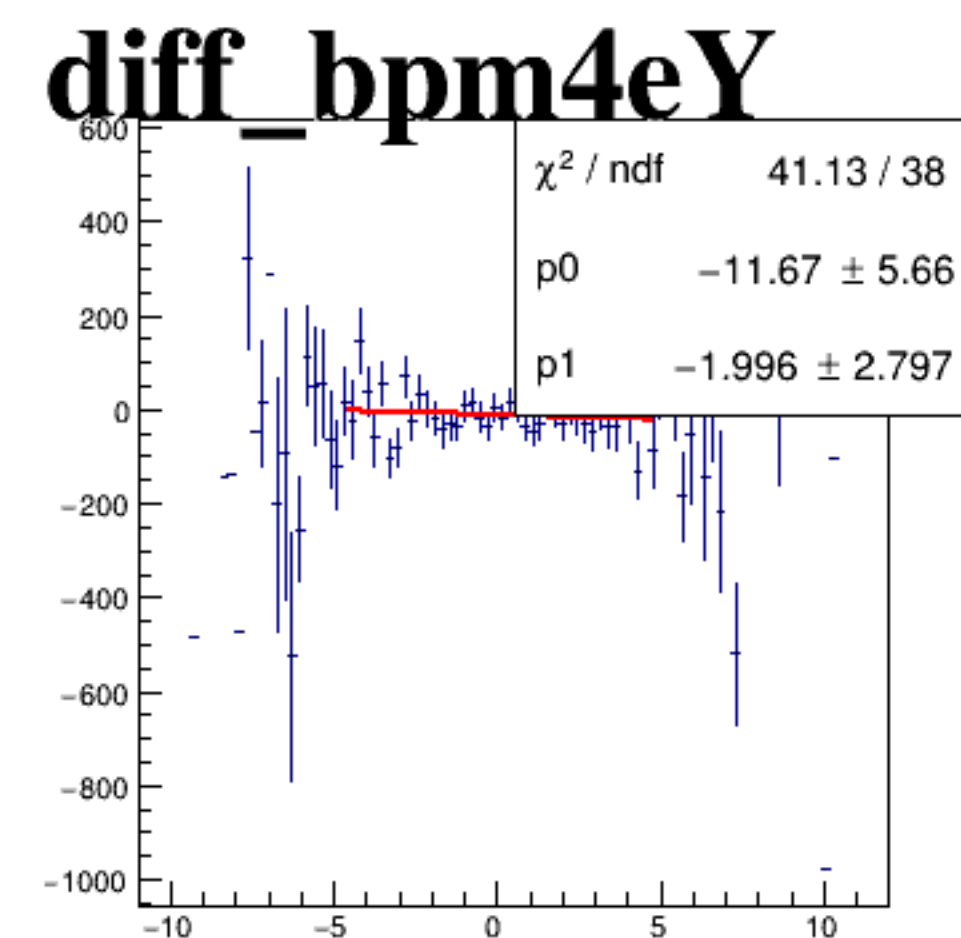
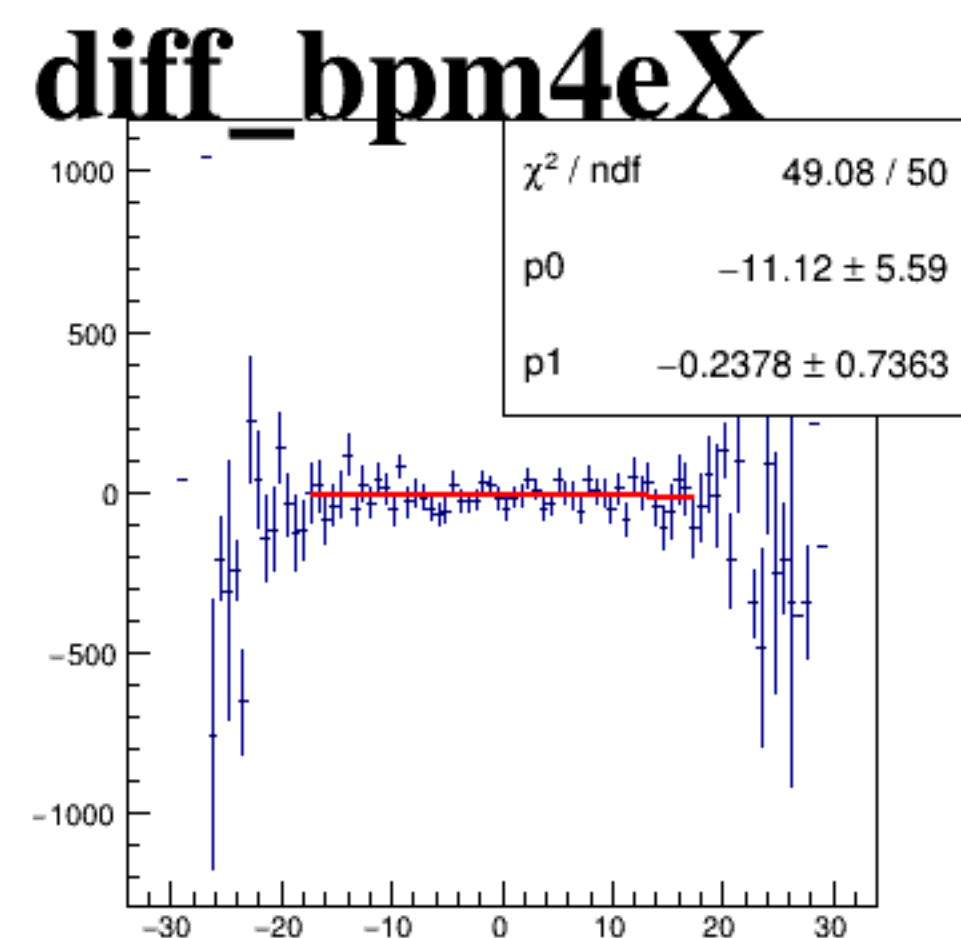
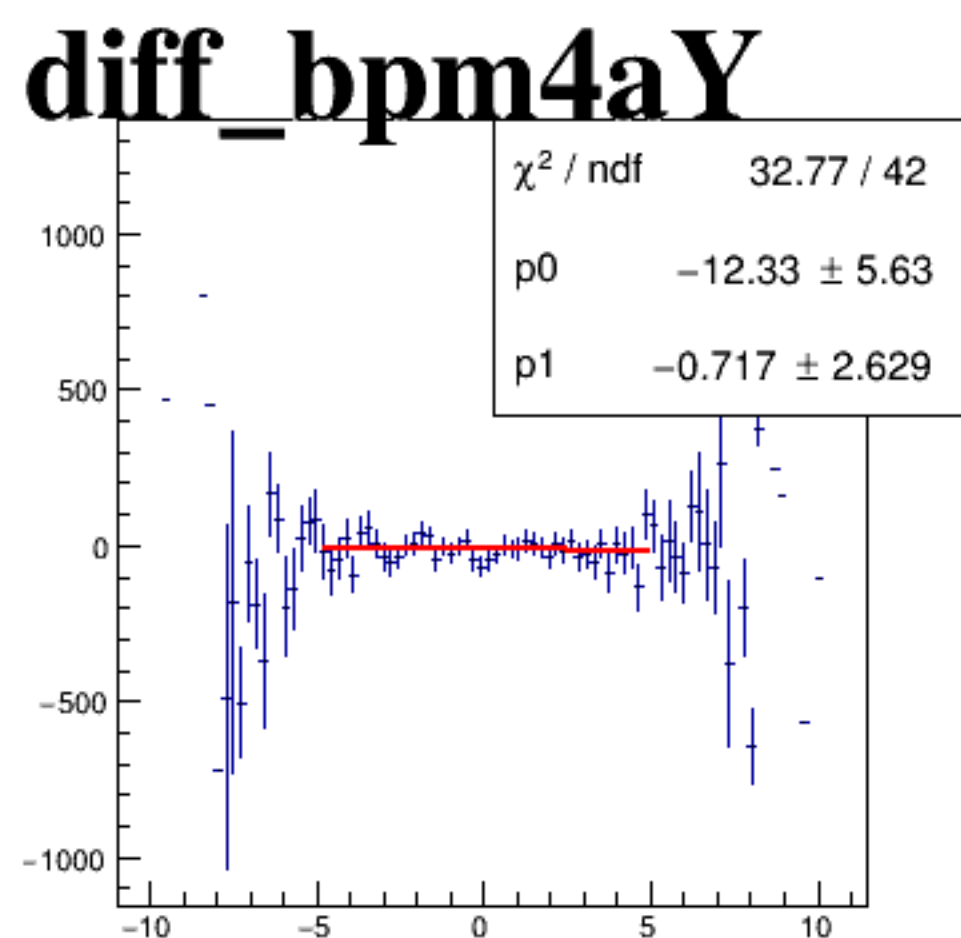
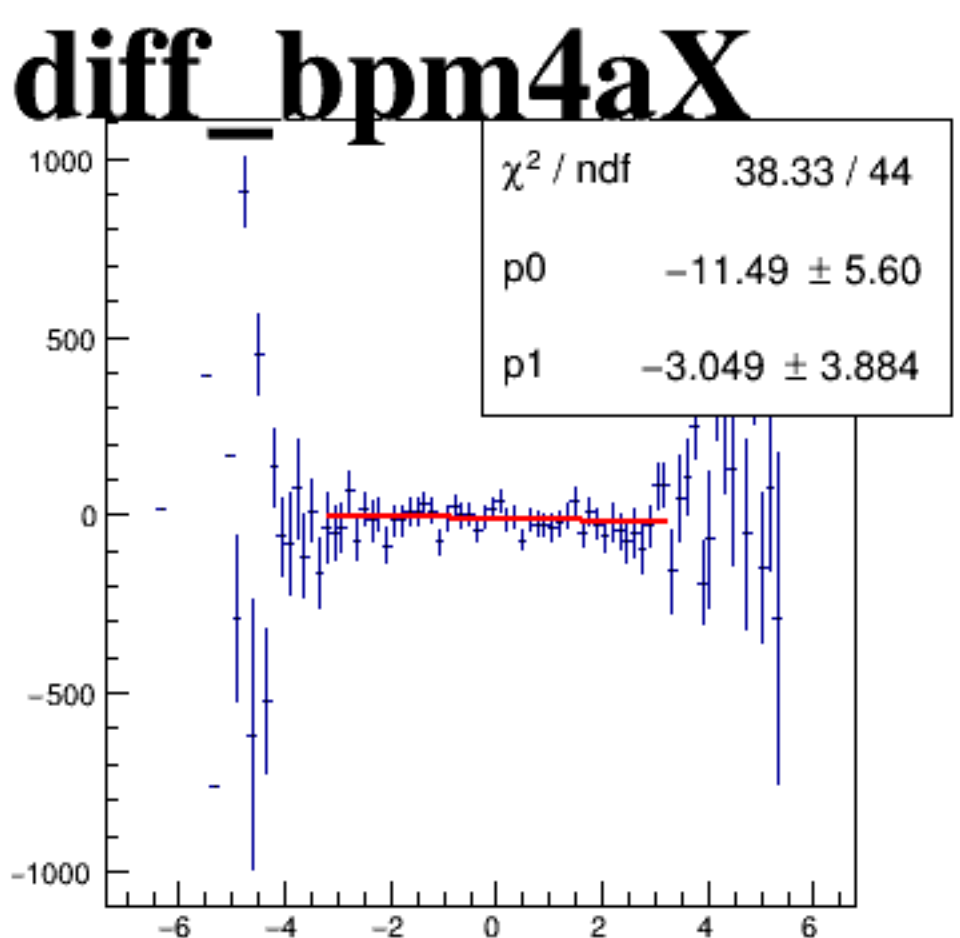
asym_sam7



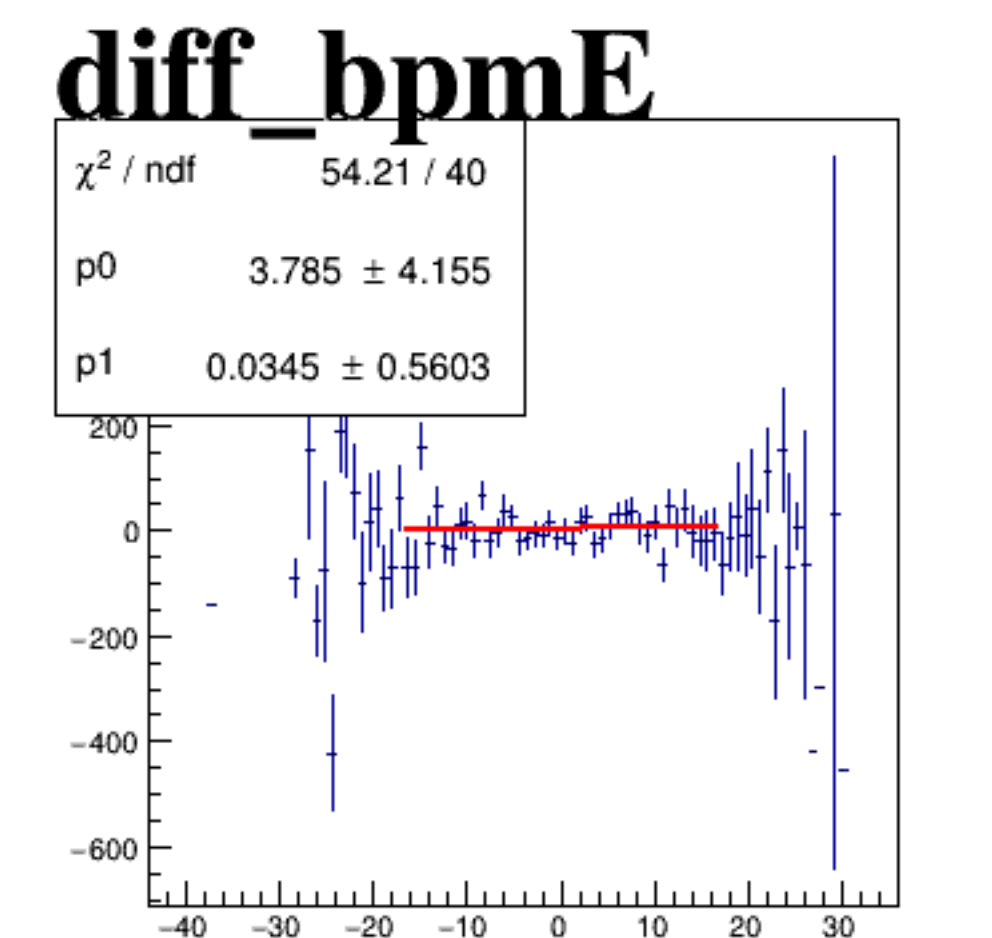
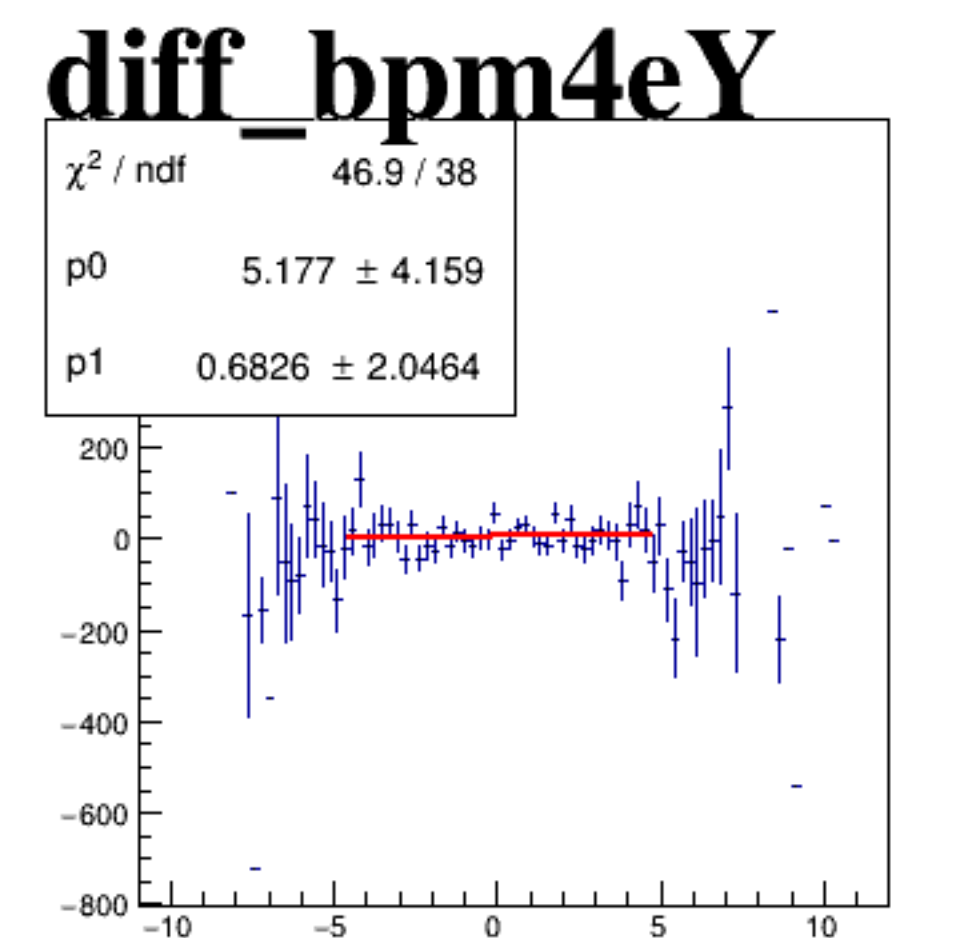
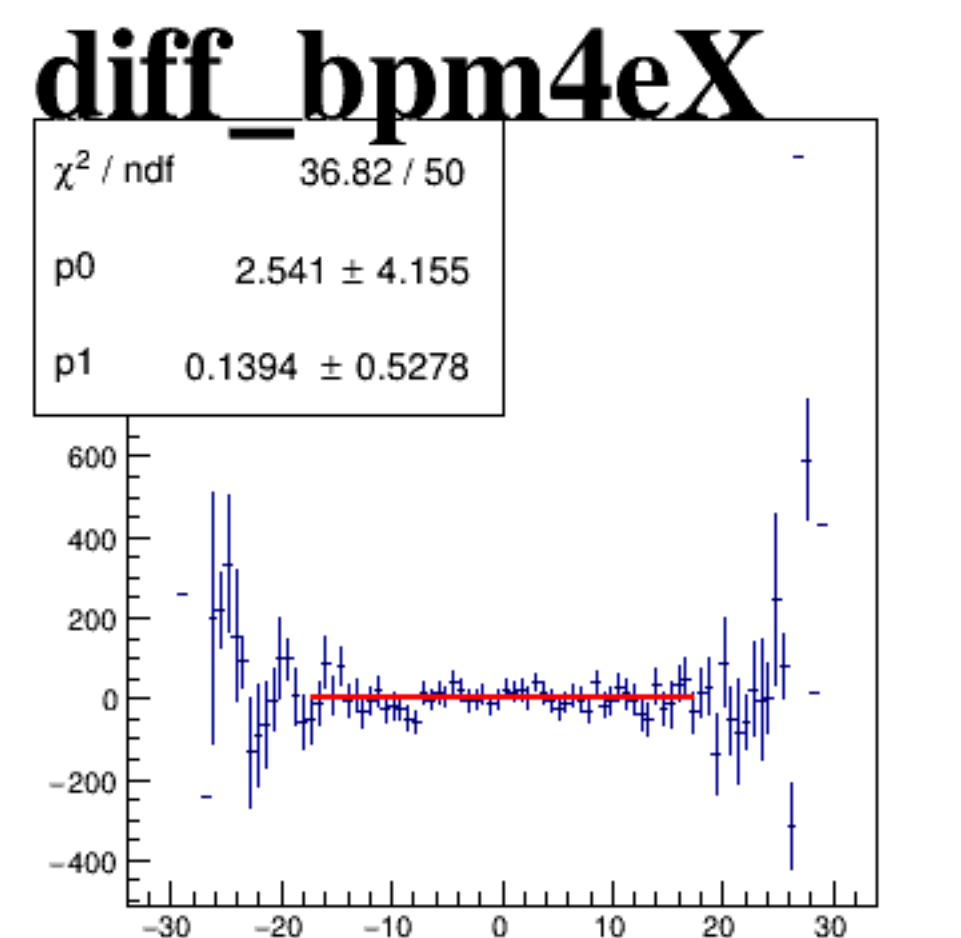
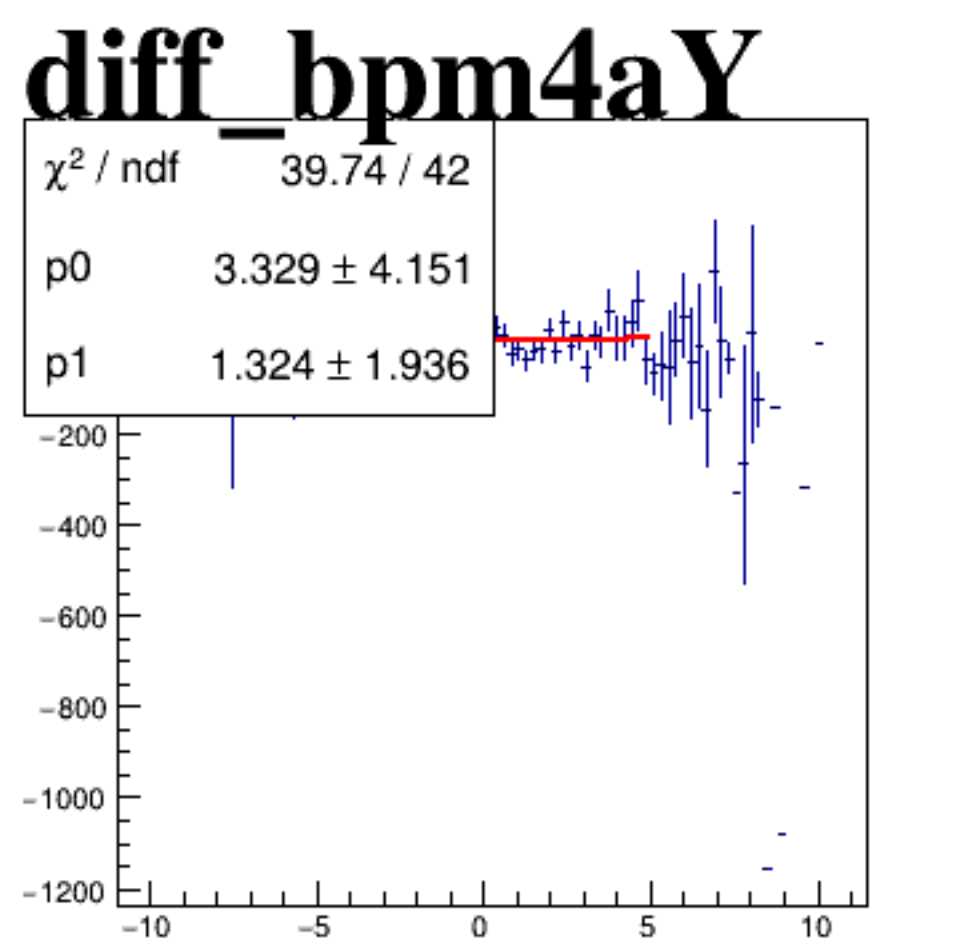
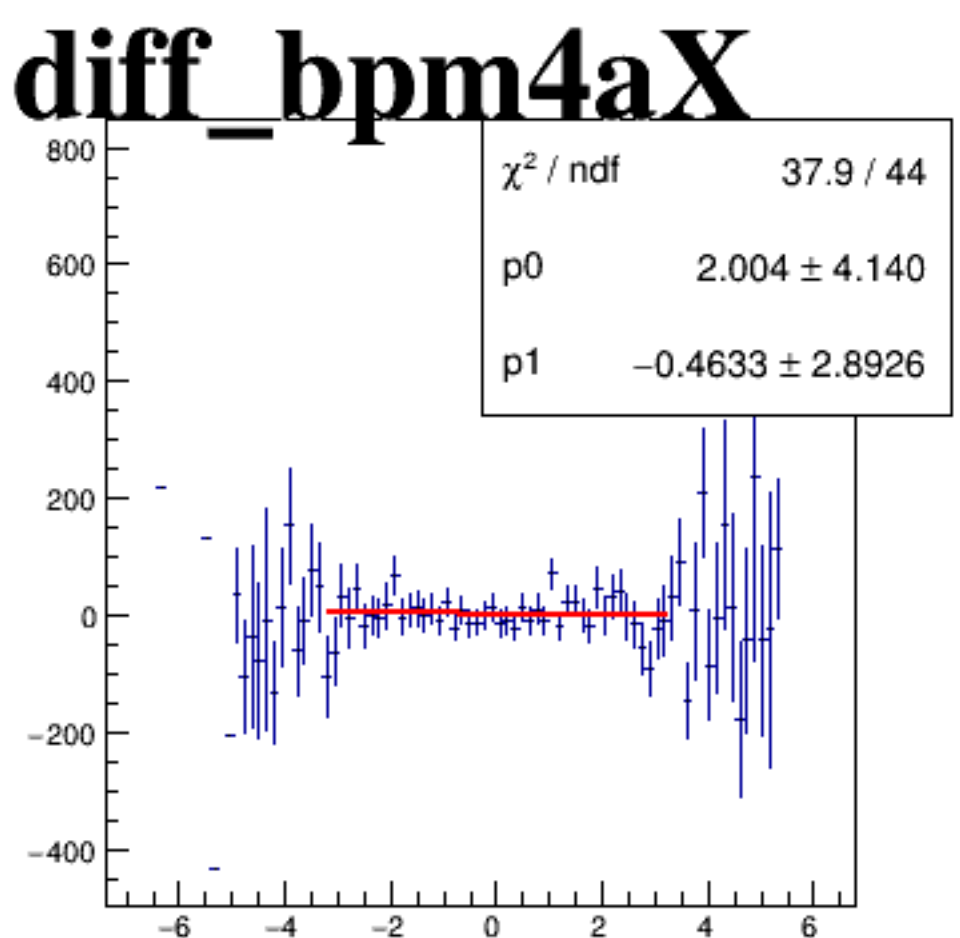
reg_asym_sam1



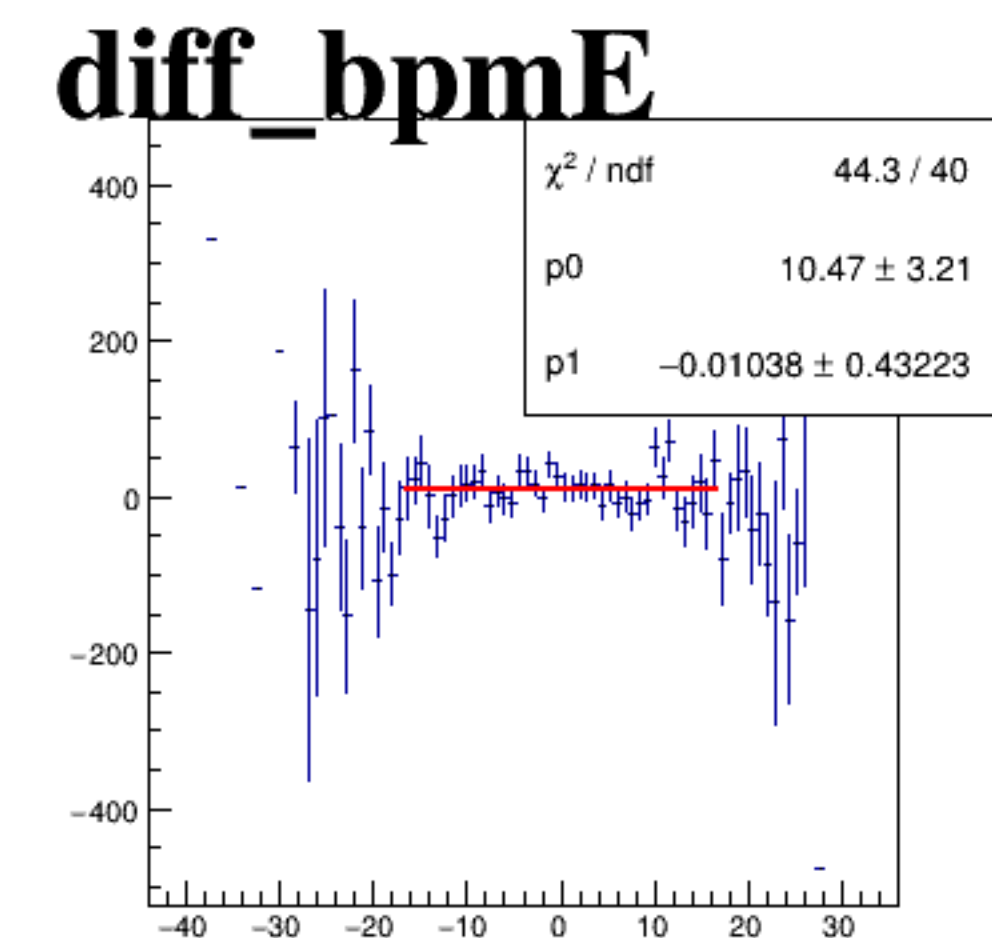
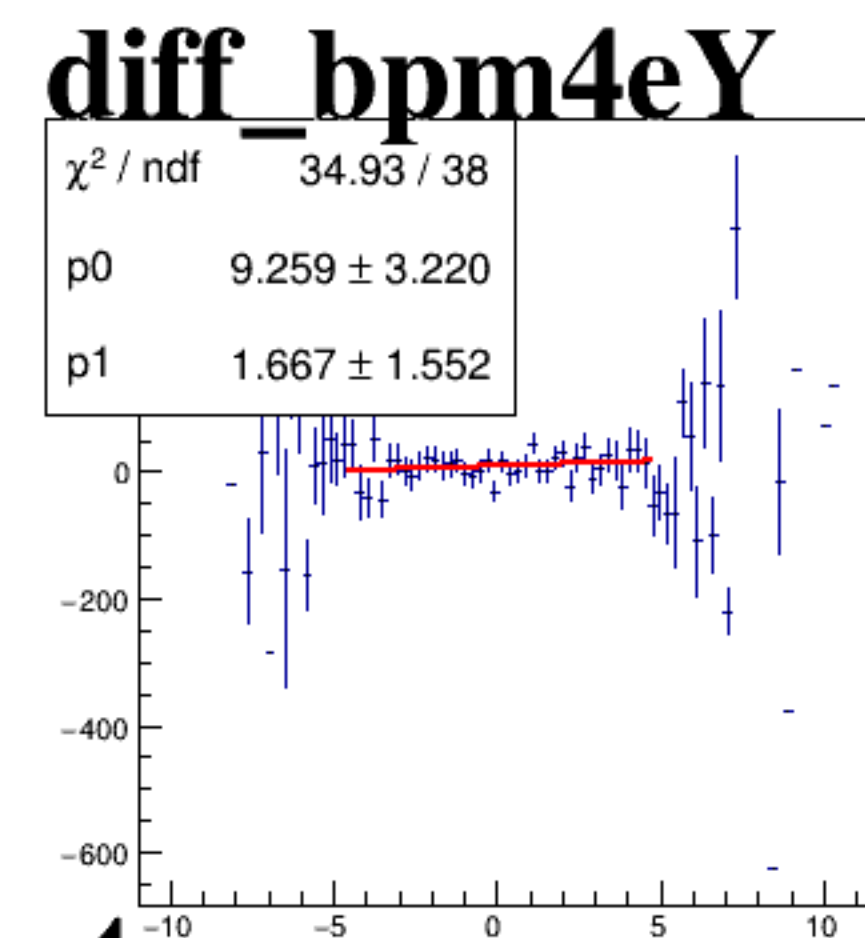
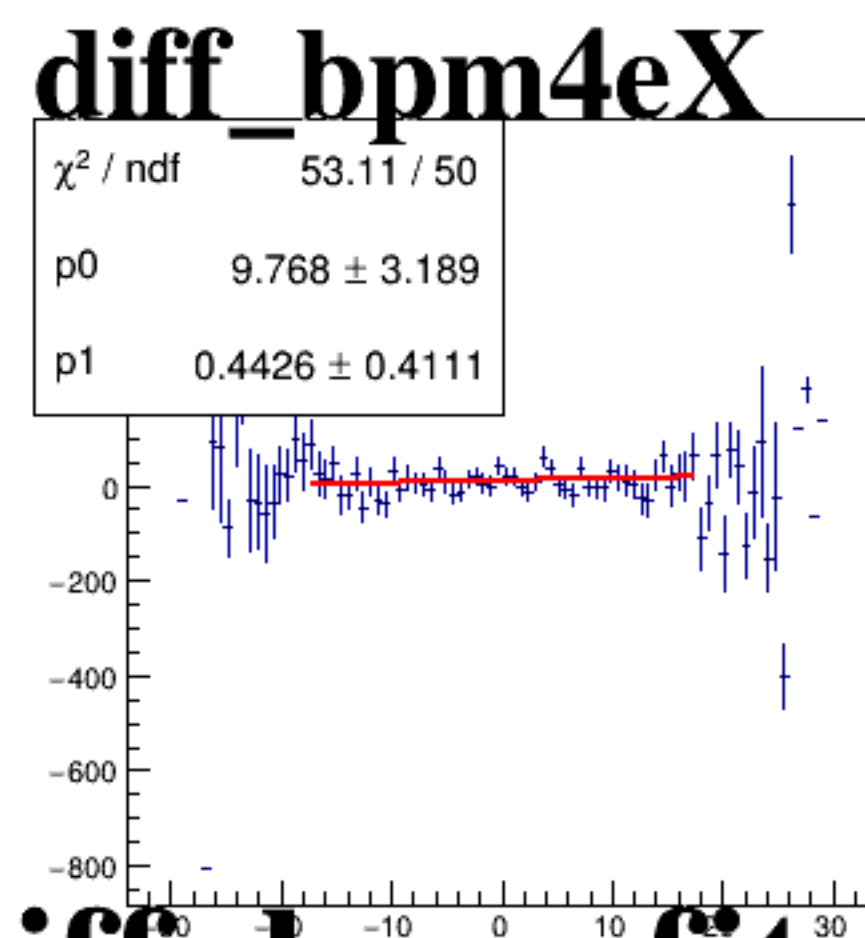
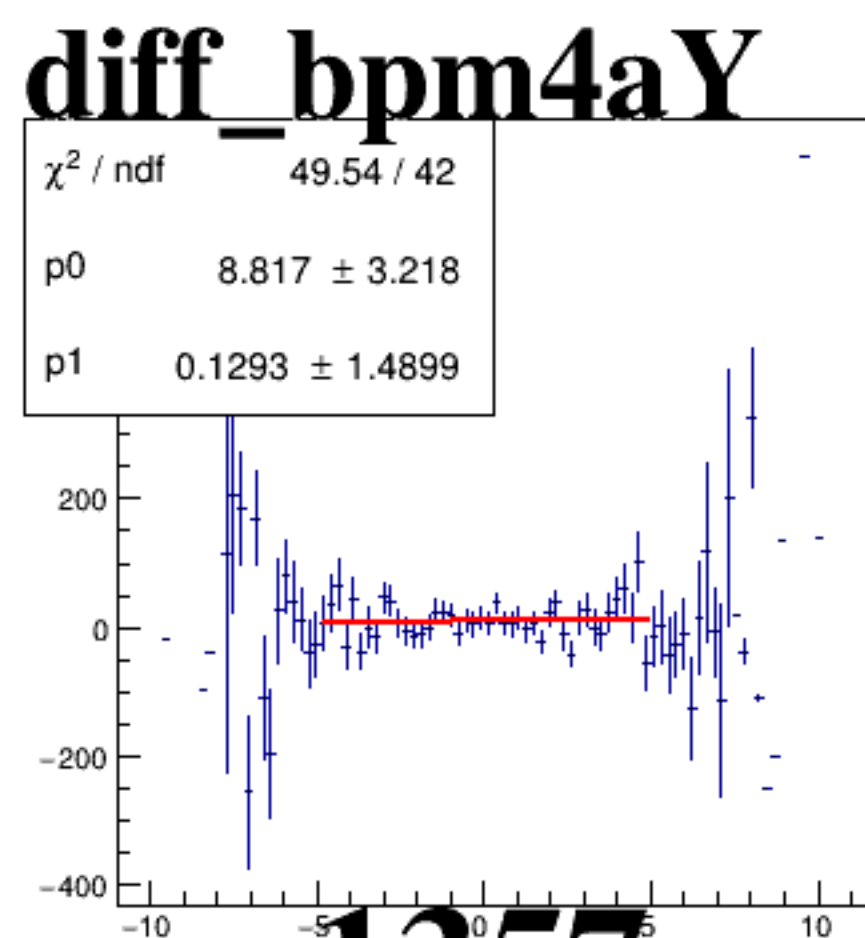
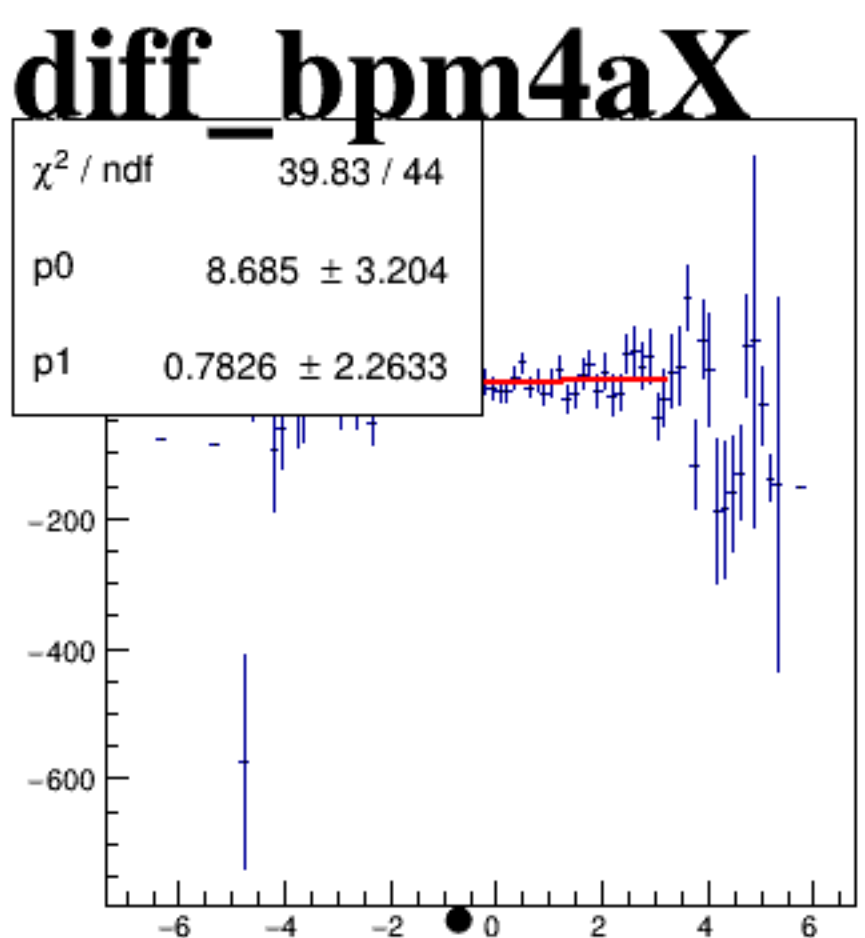
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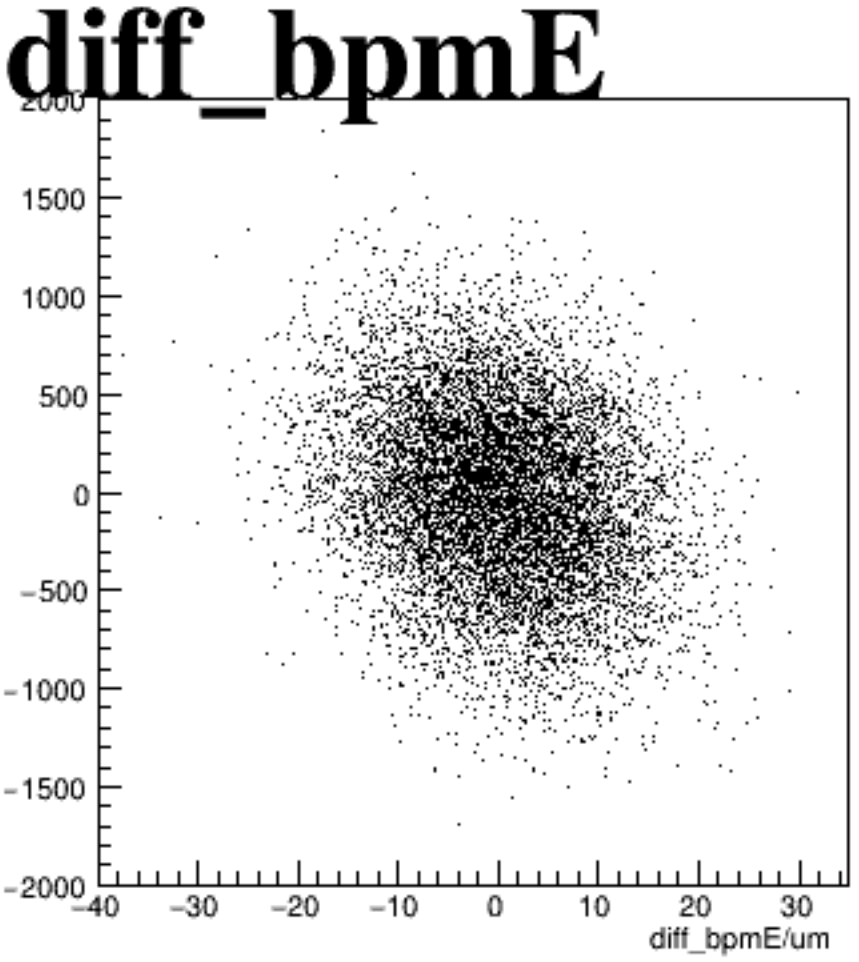
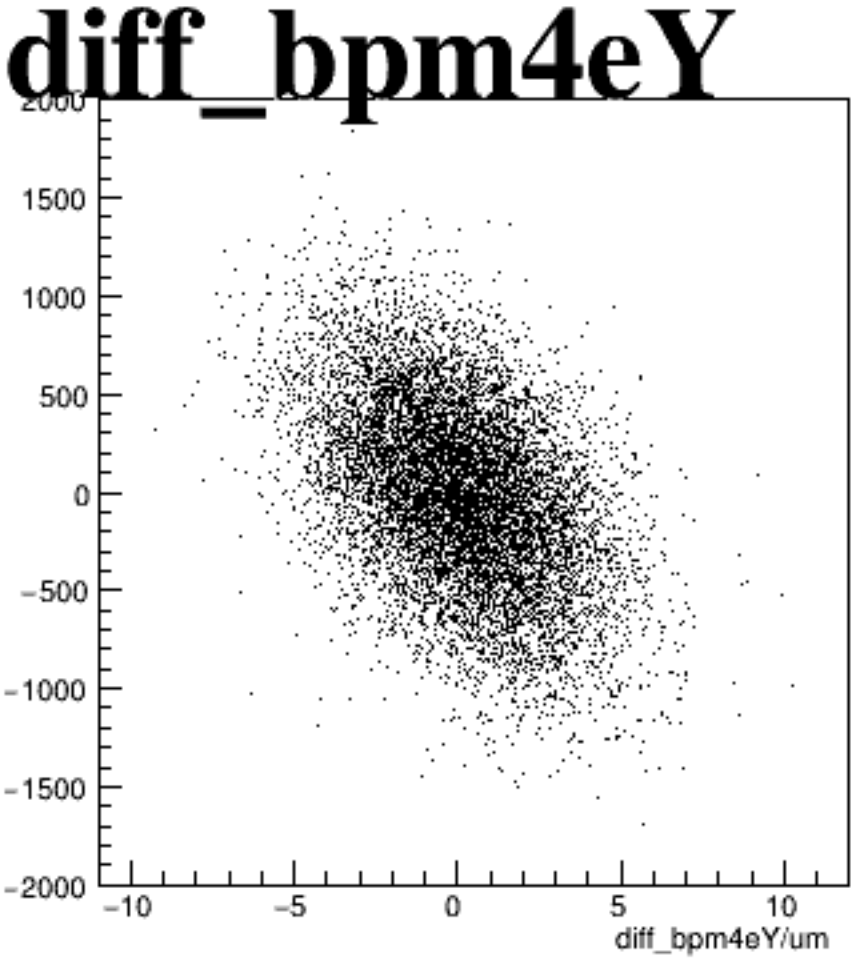
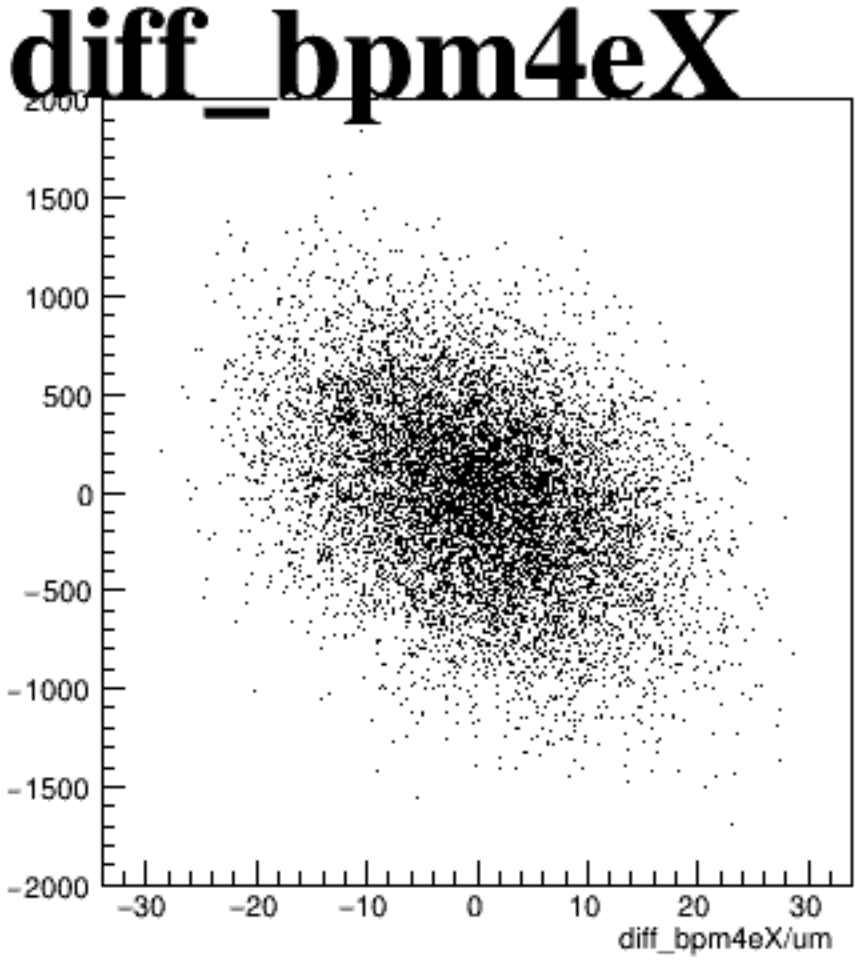
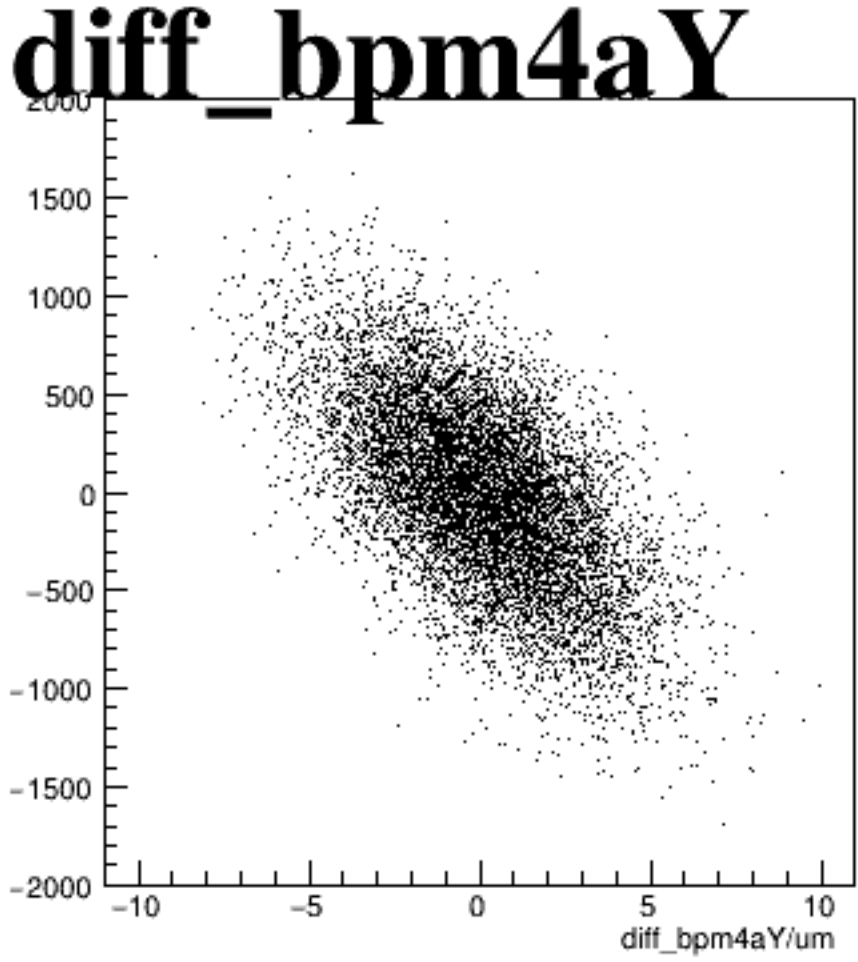
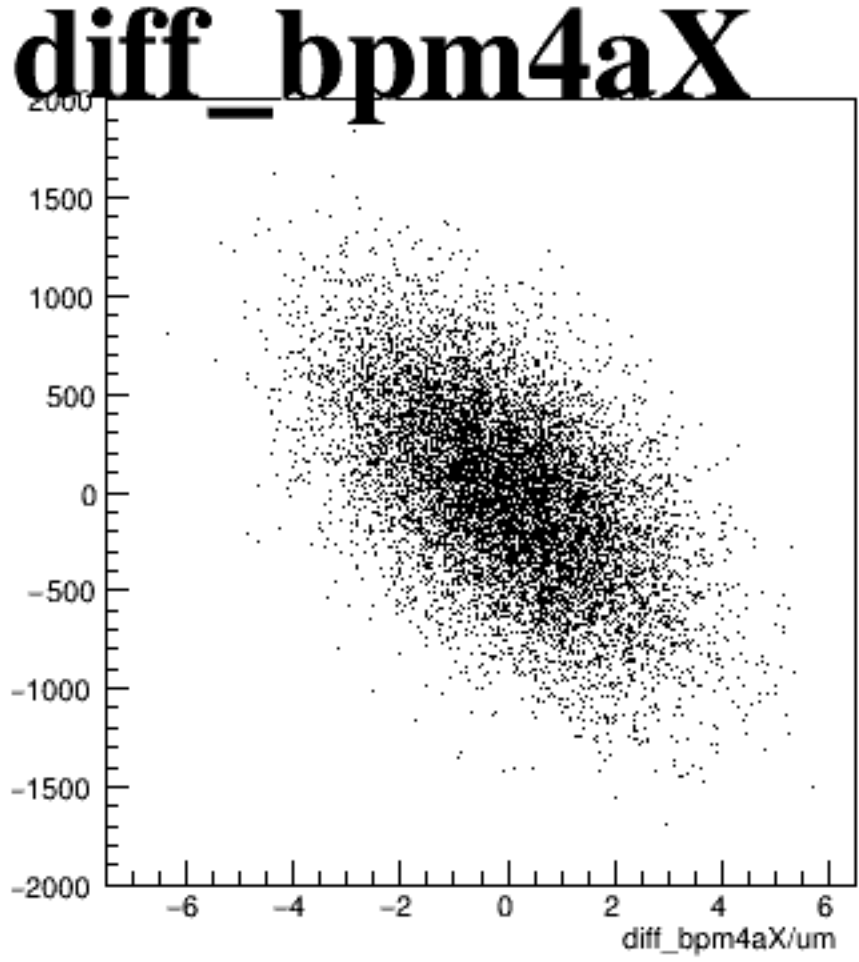
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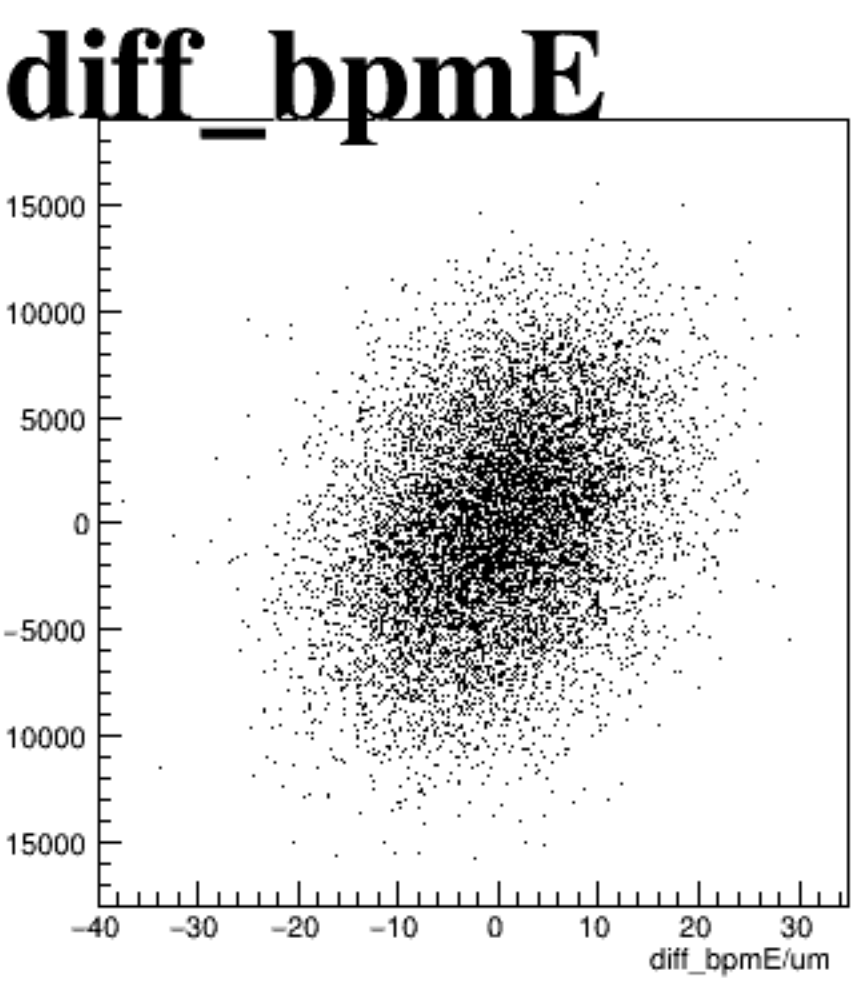
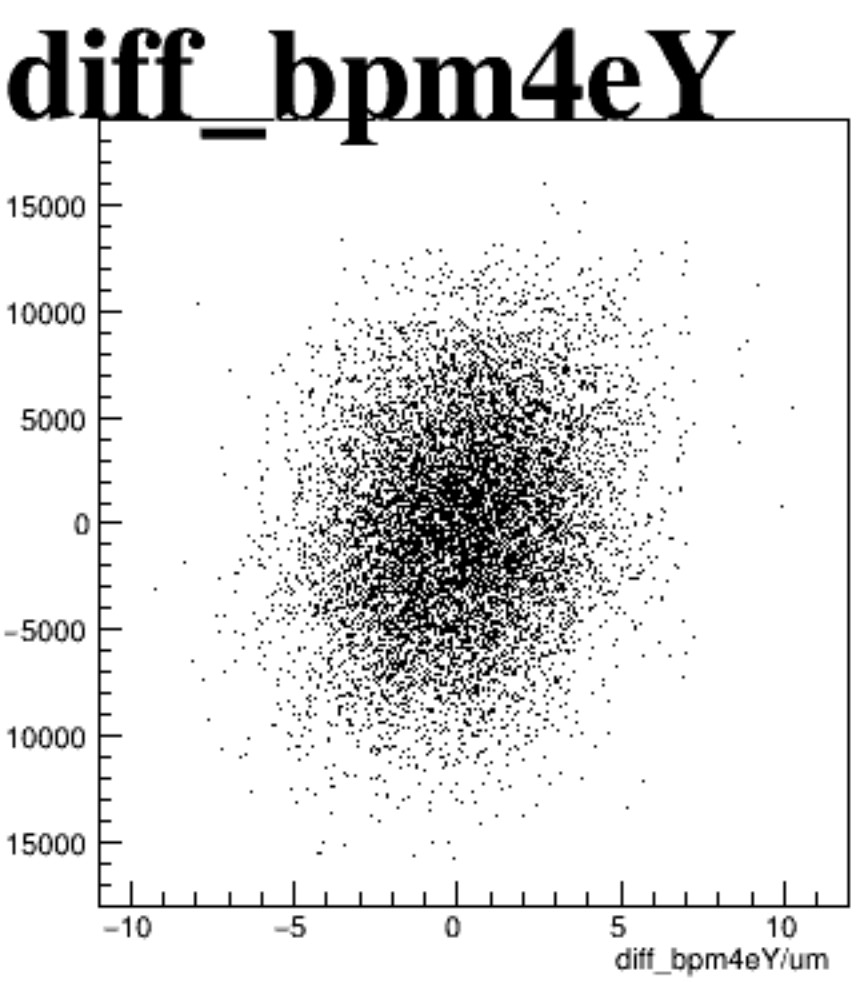
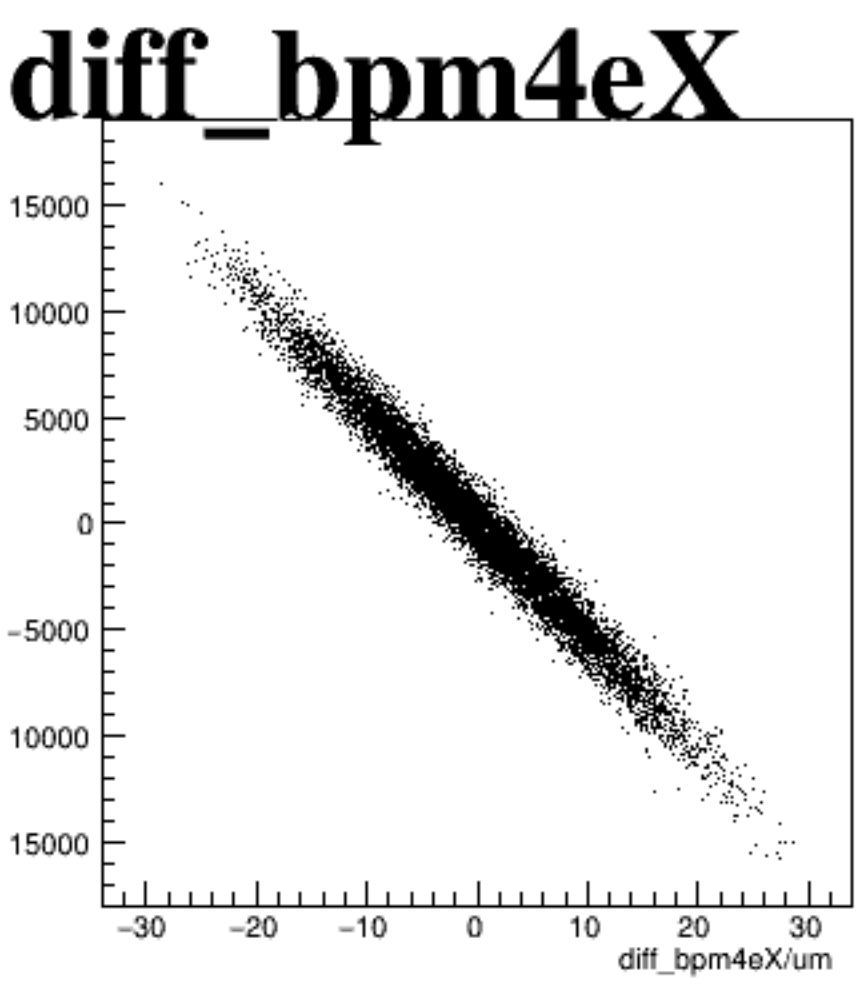
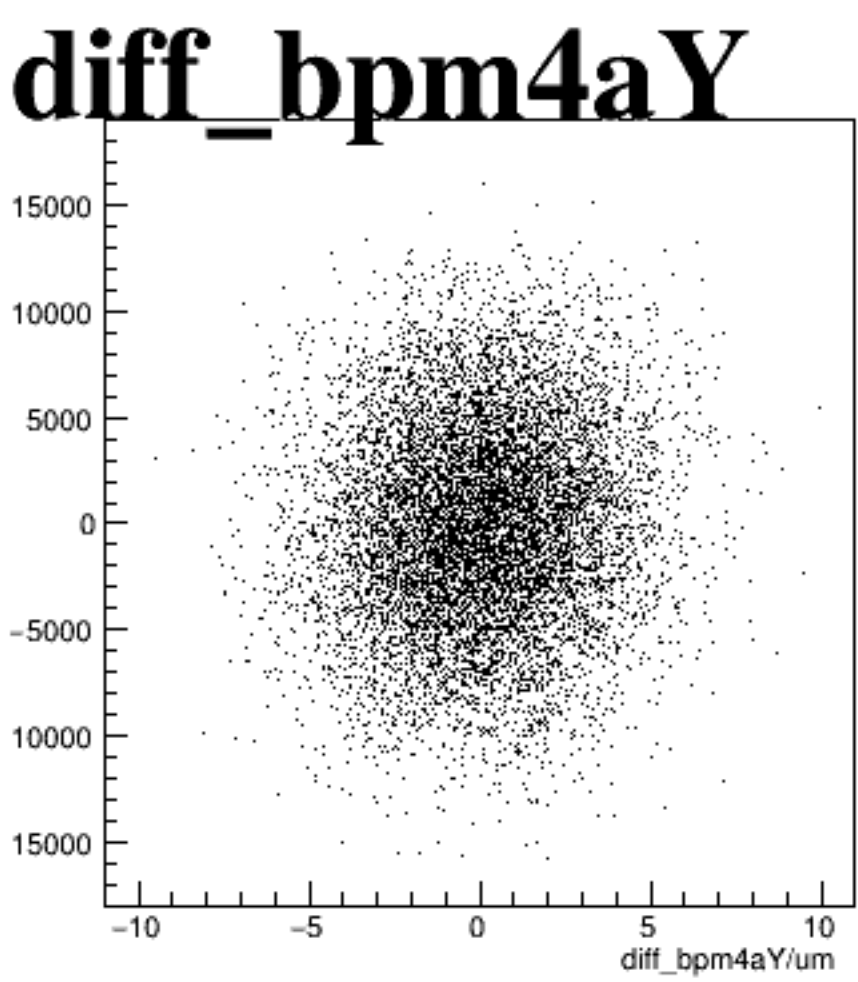
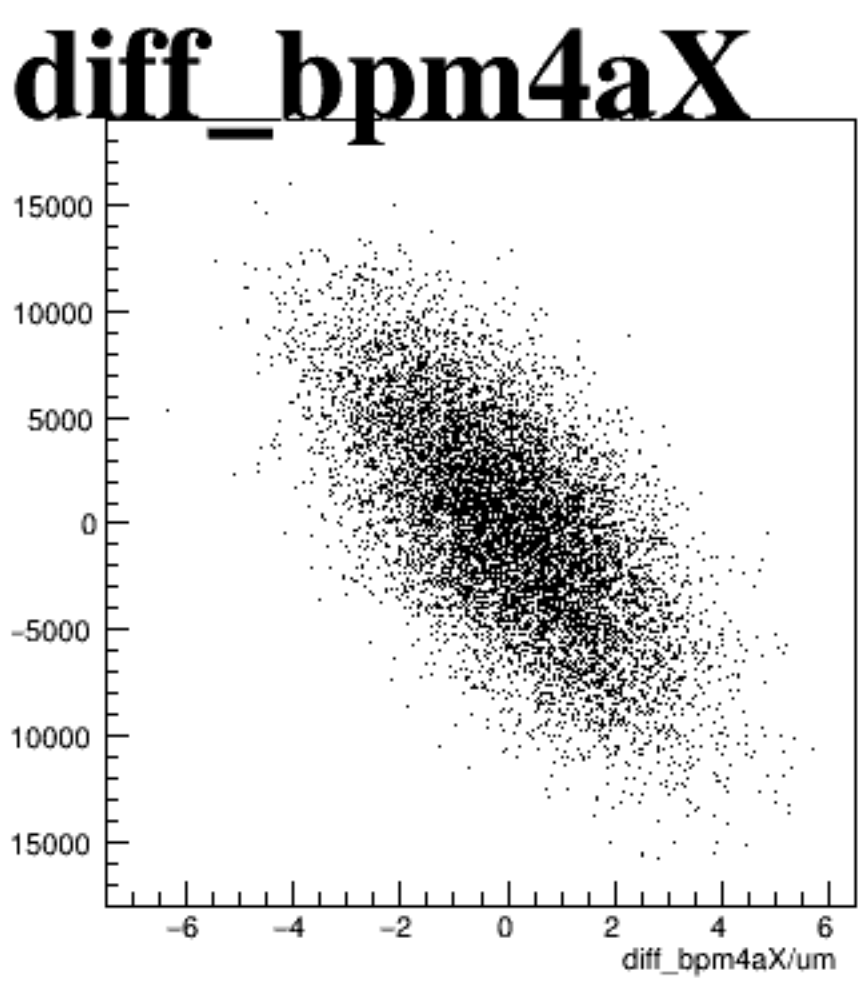
reg_asym_sam7



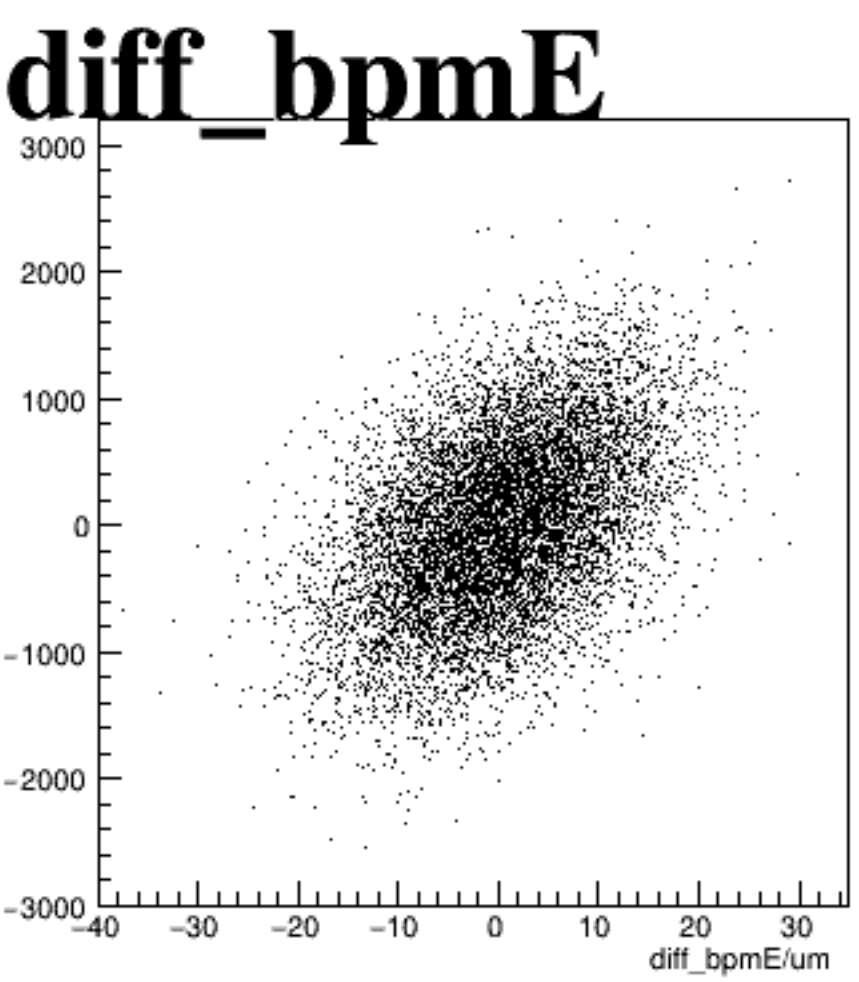
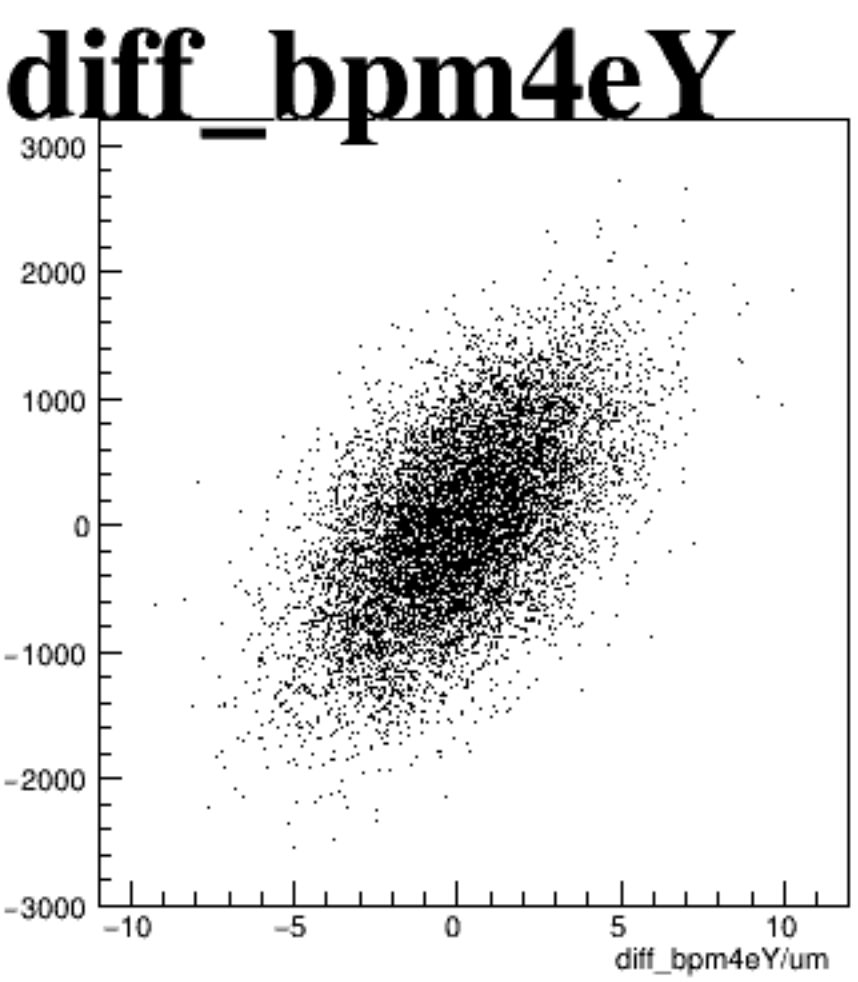
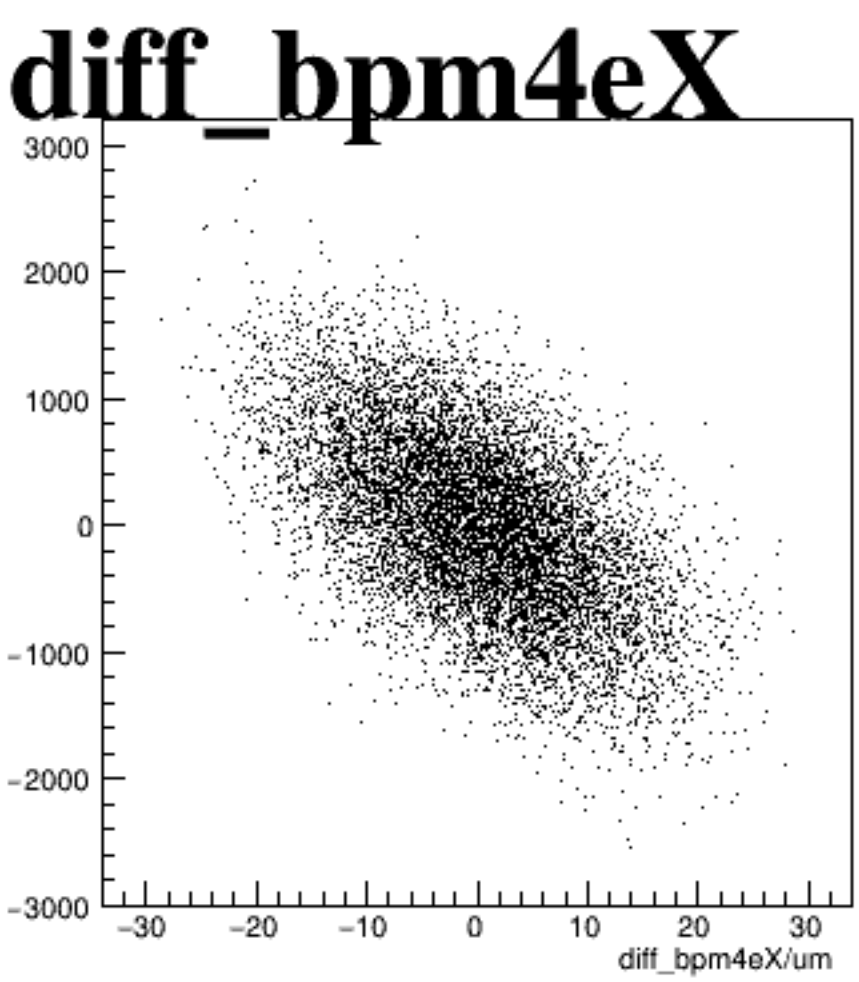
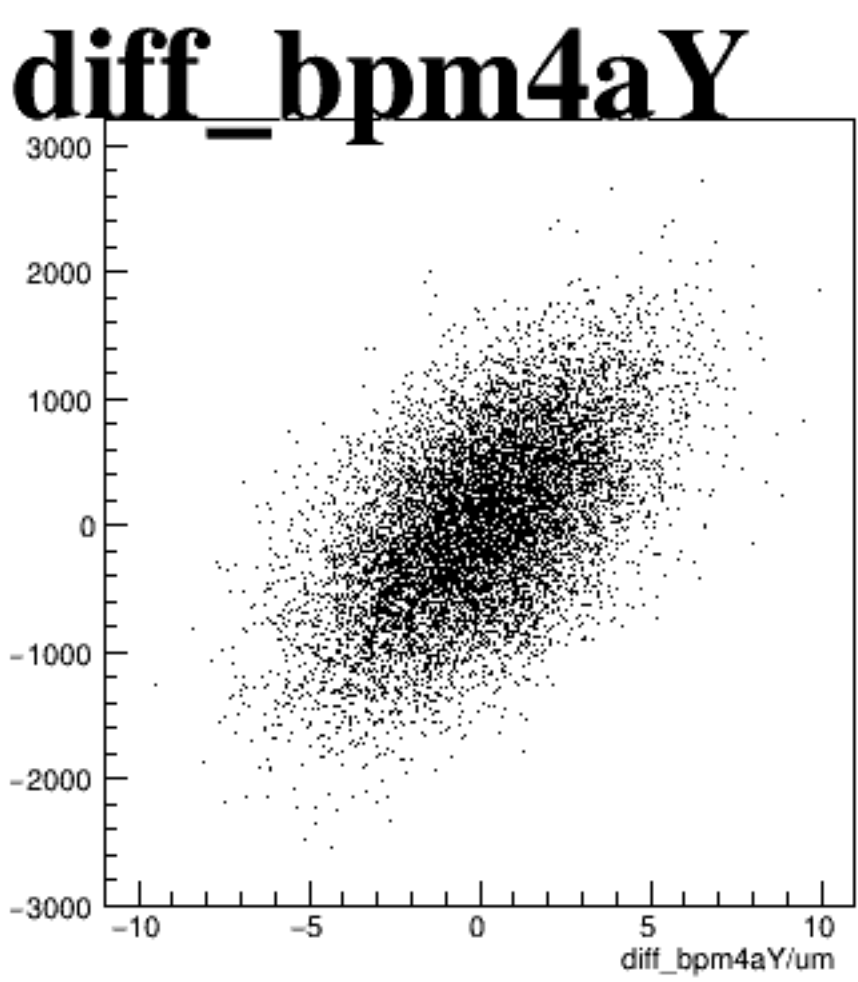
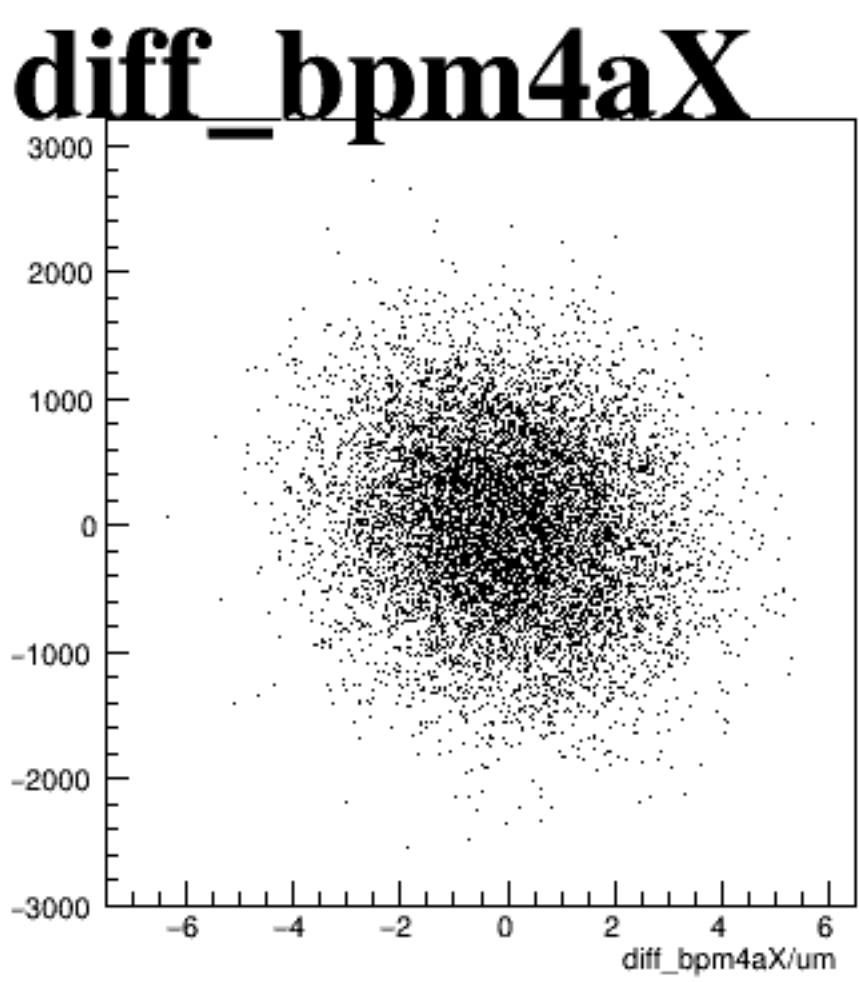
asym_sam1



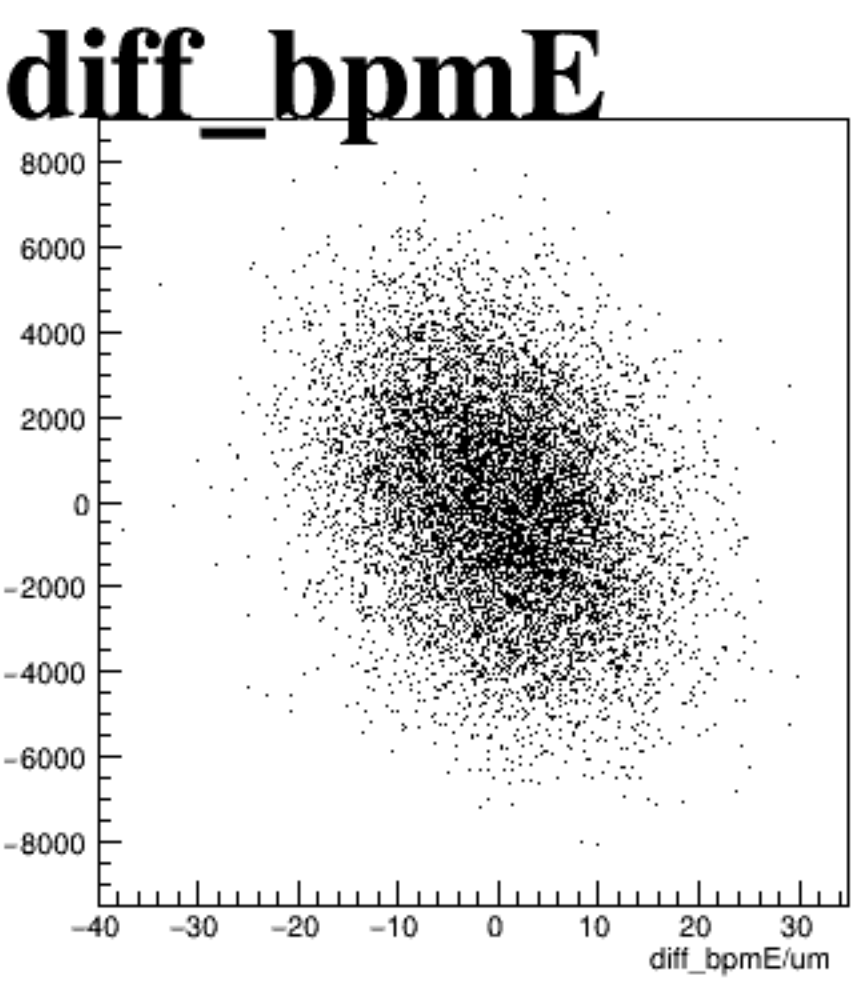
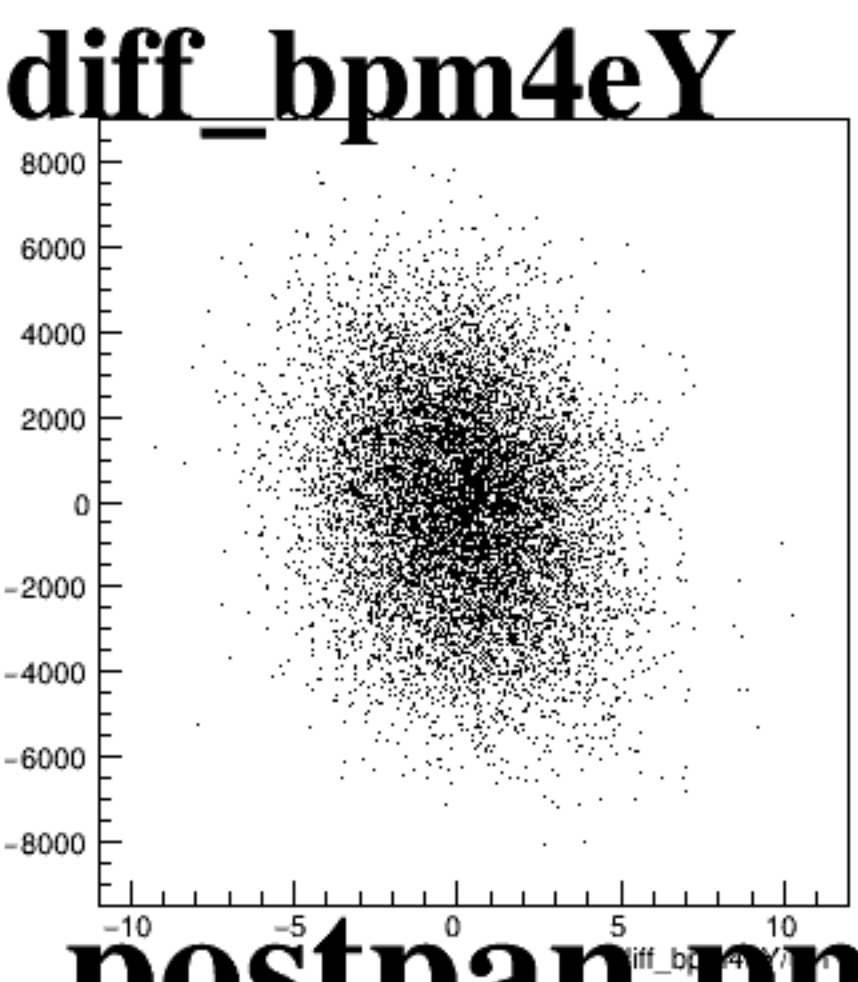
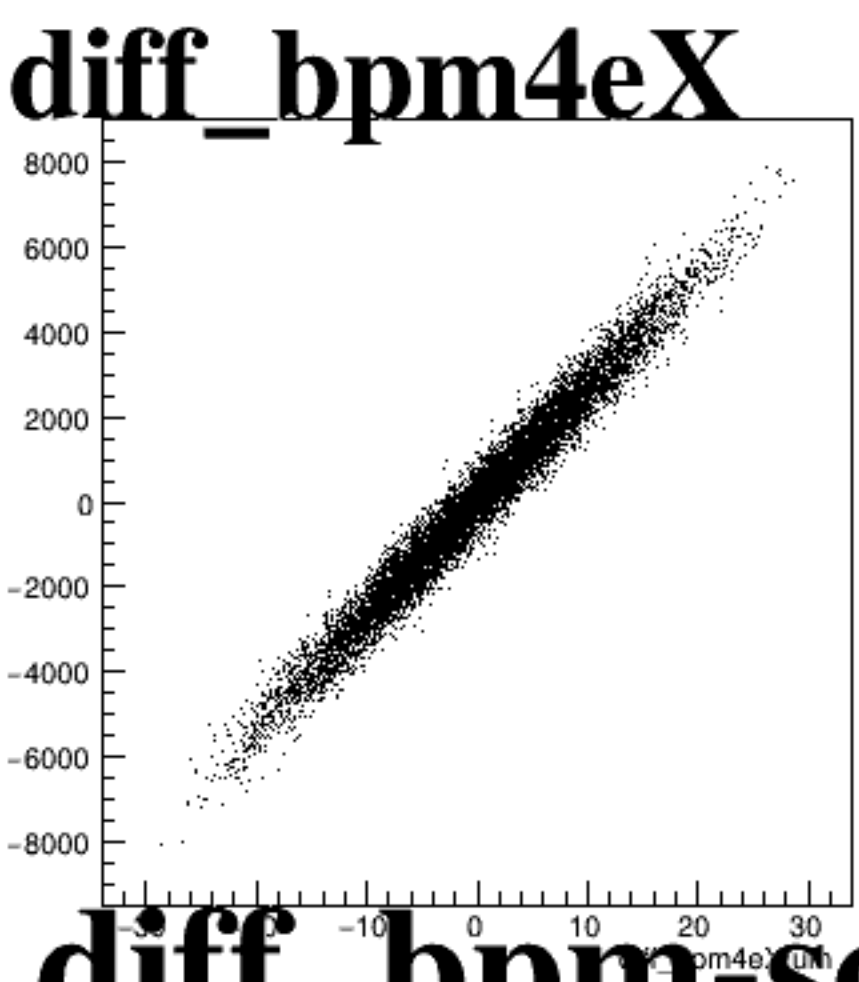
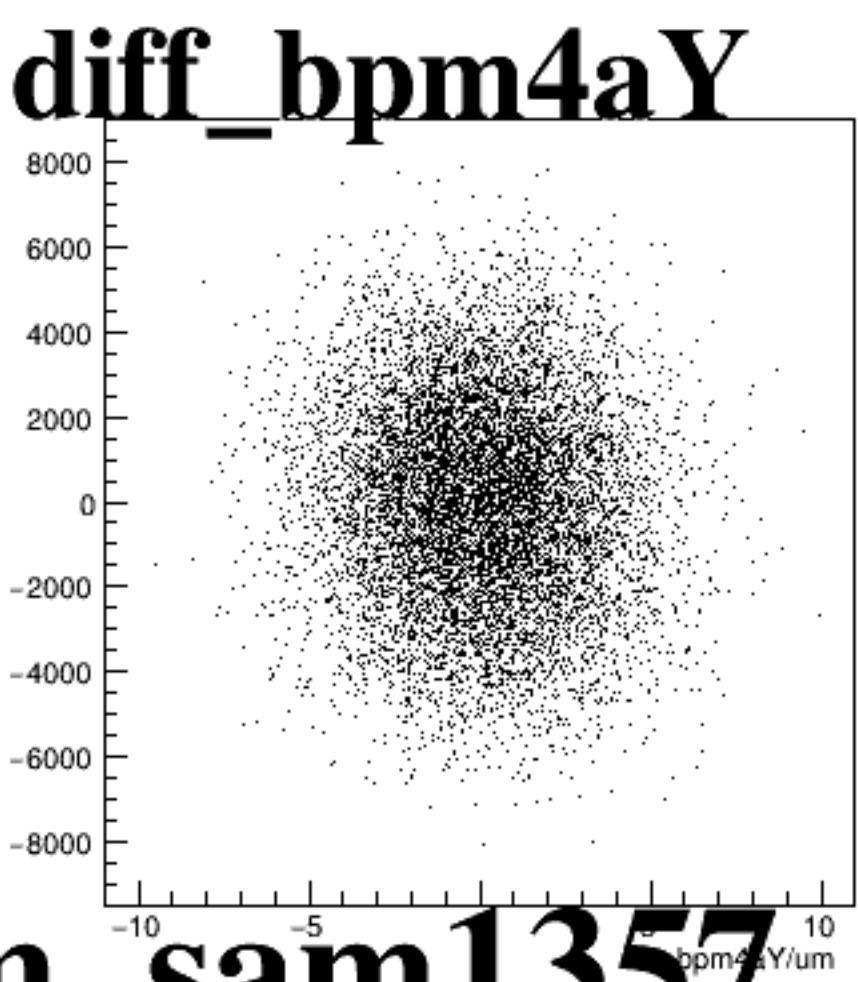
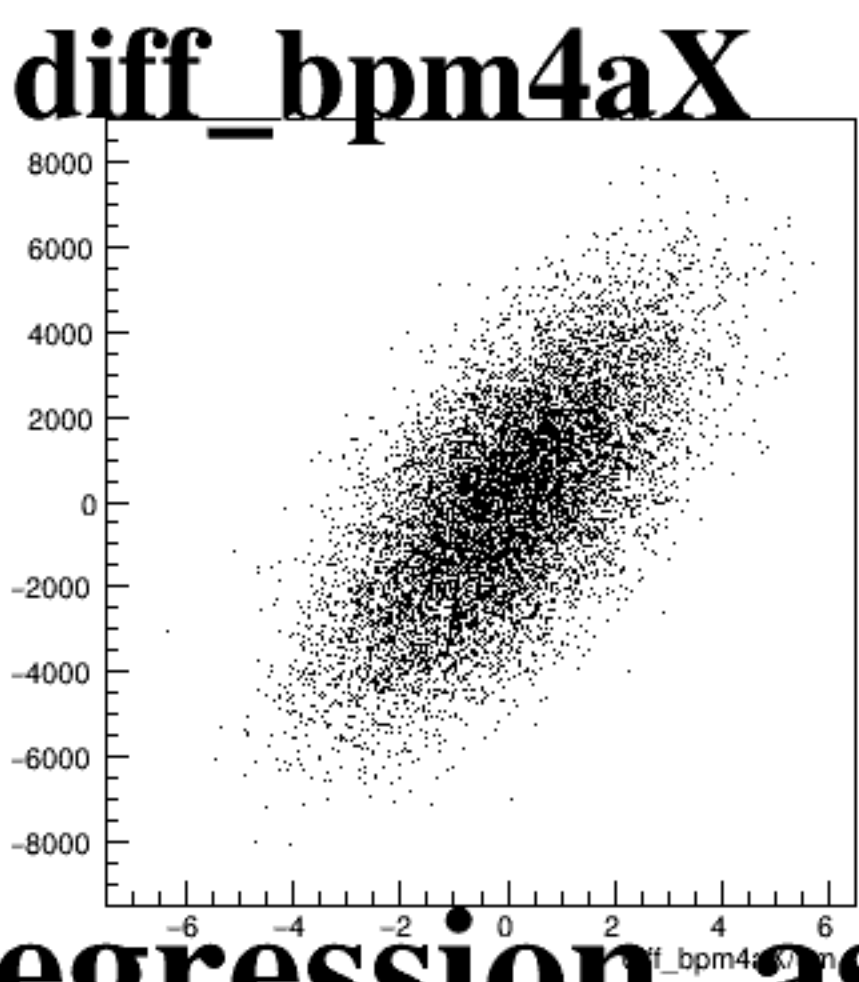
asym_sam3



asym_sam5



asym_sam7



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 **diff_bpm4aX**, **diff_bpm4aY**, **diff_bpm4eX**, **diff_bpm4eY**, and **diff_bpmE**. Each plot has a y-axis ranging from -2000 to 2000 and an x-axis ranging from -6 to 6, -10 to 10, -30 to 30, -10 to 10, and -40 to 40, respectively. The data points are densely clustered around the origin (0,0), indicating that the differences are small and randomly distributed.

The figure consists of five scatter plots arranged horizontally, each showing the distribution of diffraction orders for a specific BPM. The y-axis for all plots ranges from -1500 to 1500. The x-axis labels and ranges are as follows:

- diff_bpm4aX**: x-axis ranges from -6 to 6.
- diff_bpm4aY**: x-axis ranges from -10 to 10.
- diff_bpm4eX**: x-axis ranges from -30 to 30.
- diff_bpm4eY**: x-axis ranges from -10 to 10.
- diff_bpmE**: x-axis ranges from -40 to 30.

In all plots, the data points are densely clustered around the origin (0,0), with a few outliers extending to the edges of the x-axis ranges.