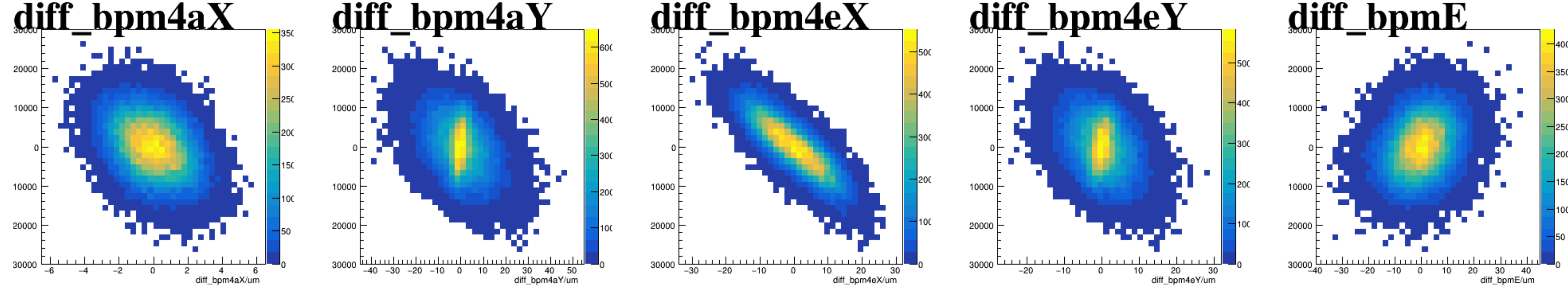
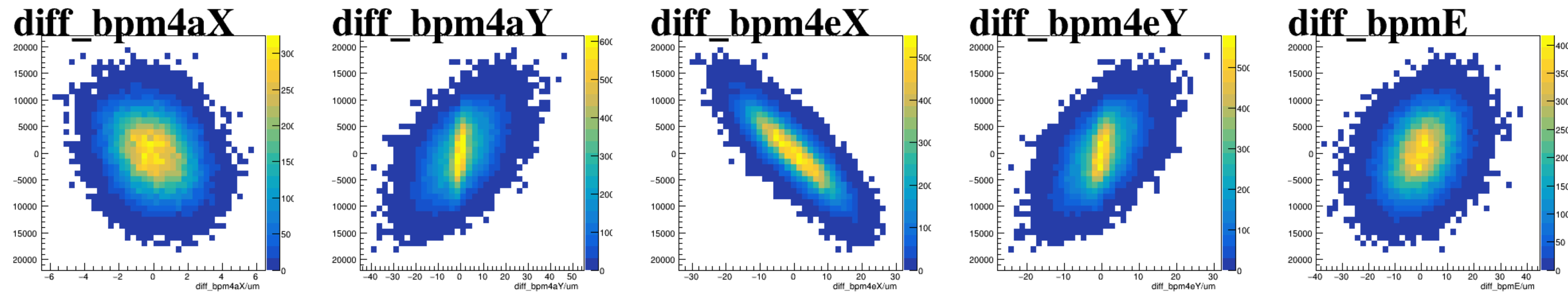


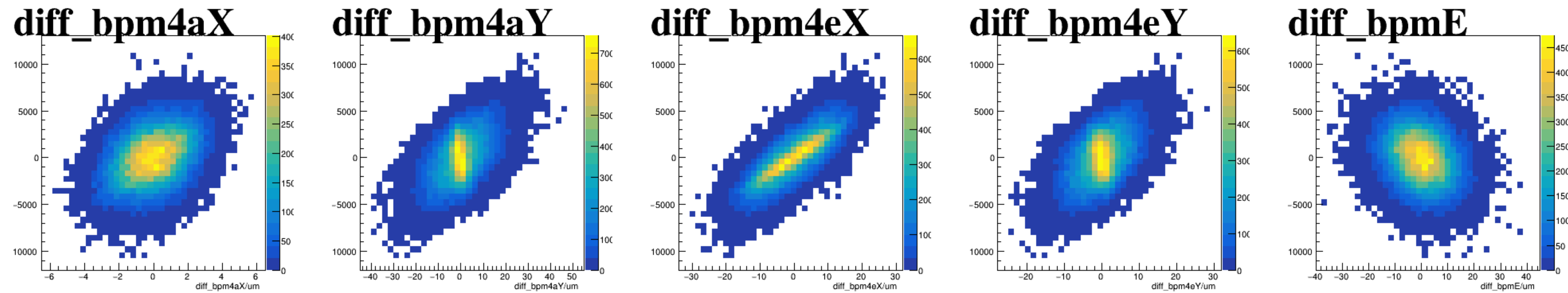
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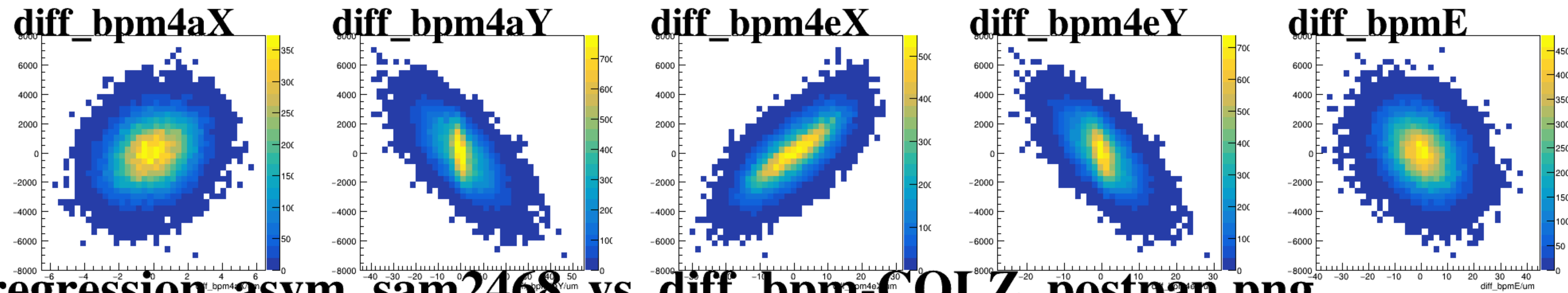
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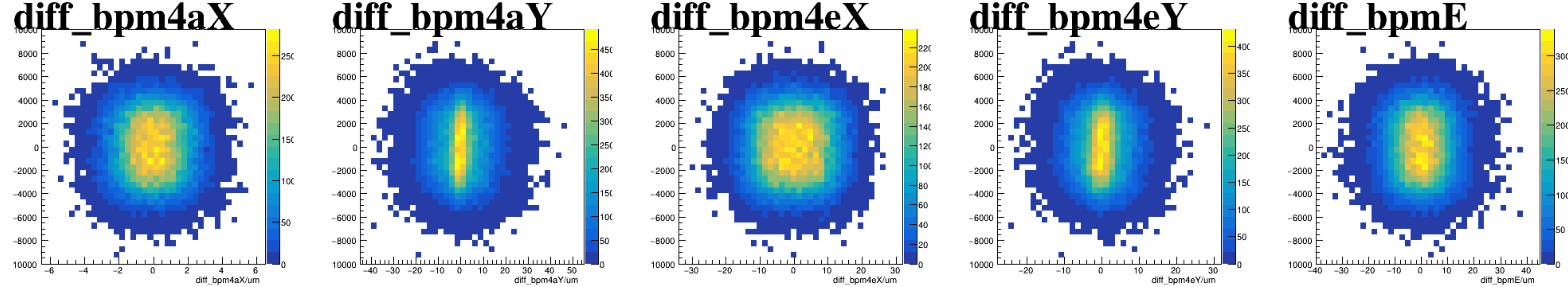
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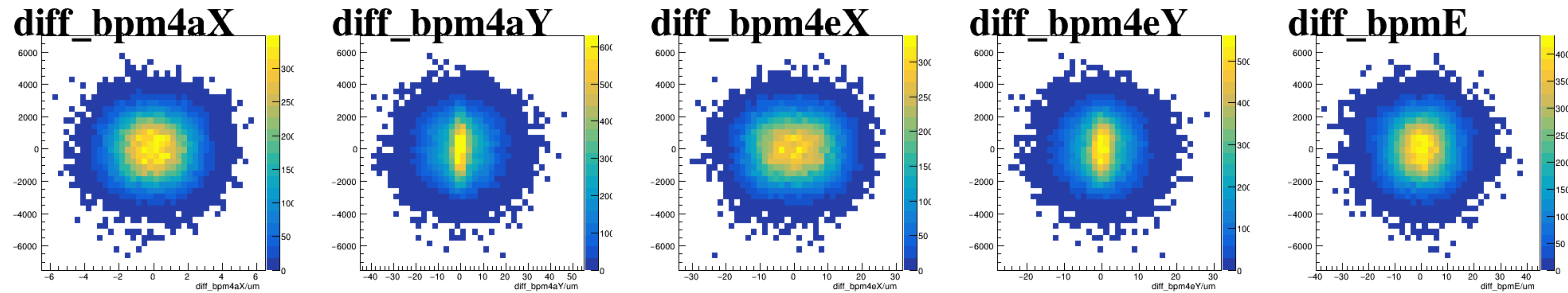
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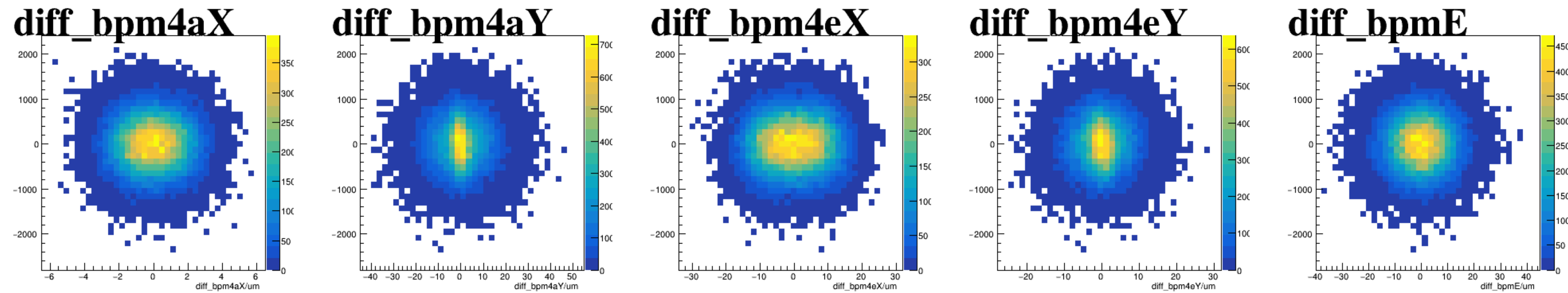
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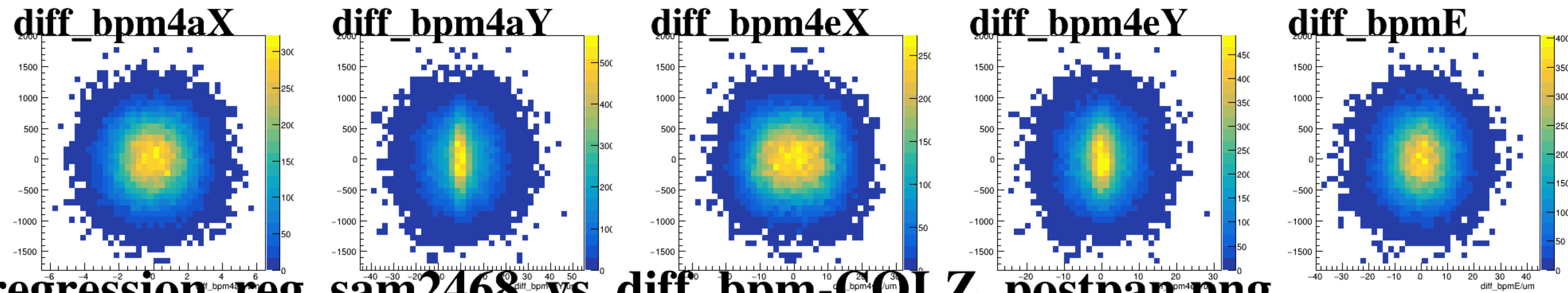
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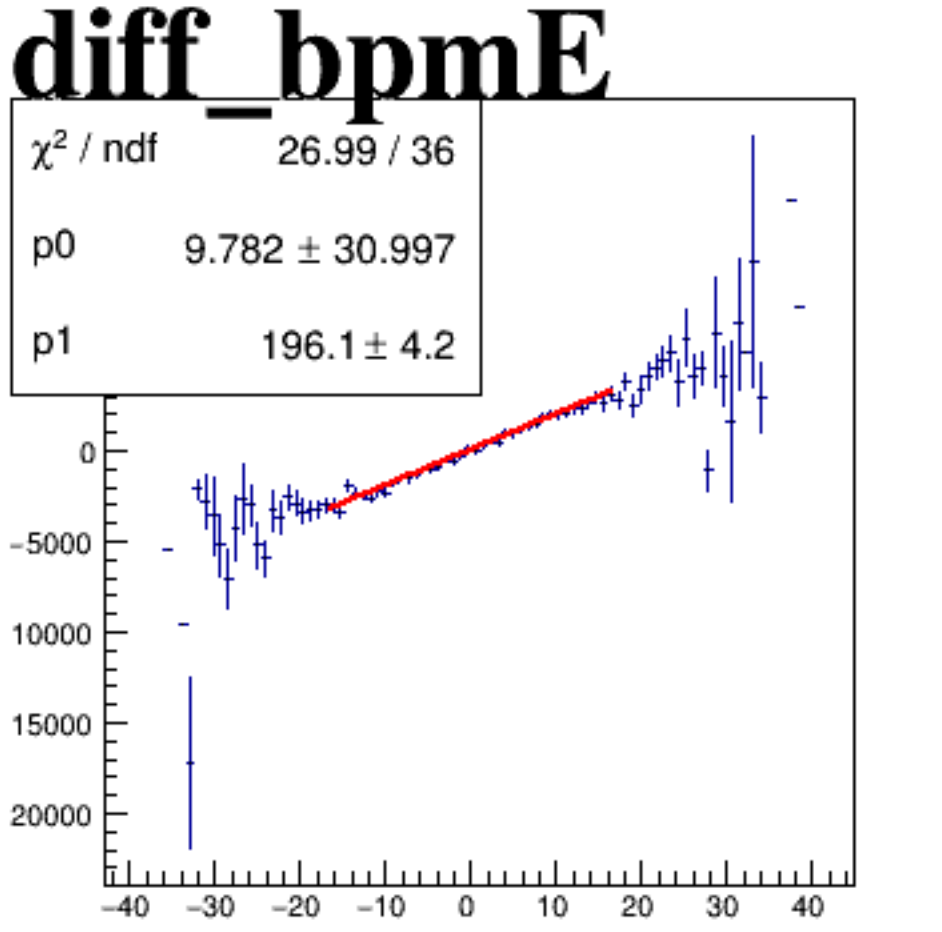
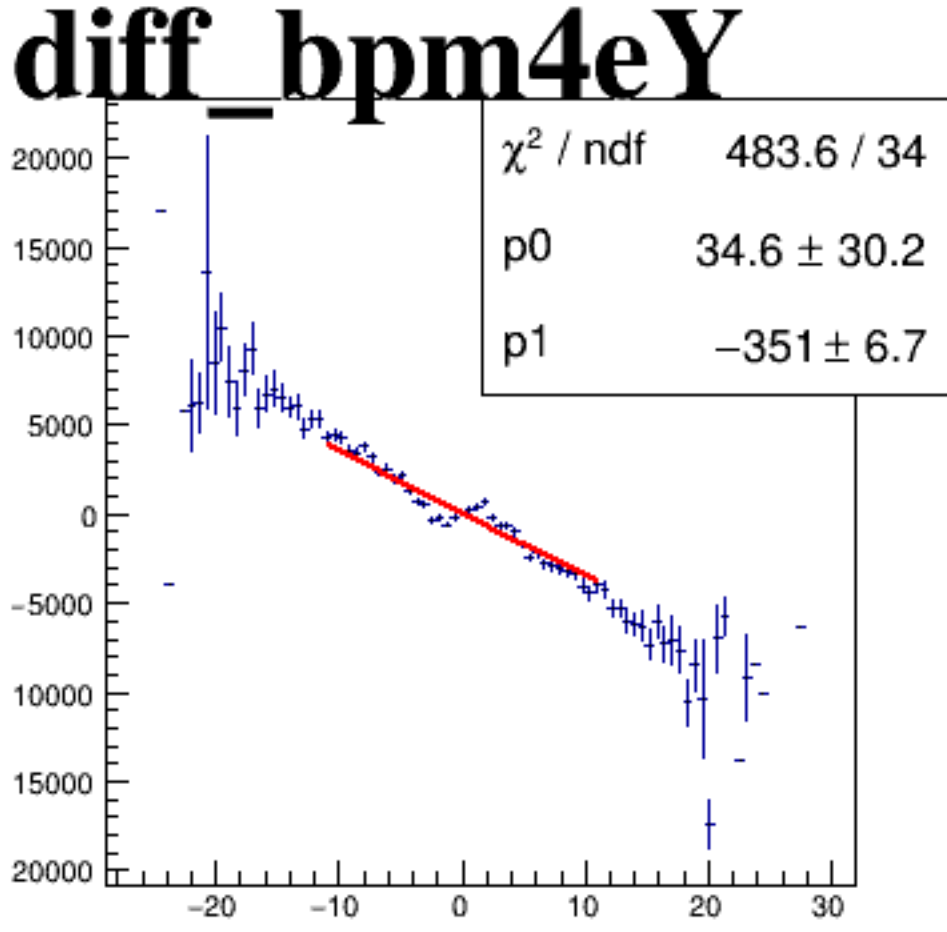
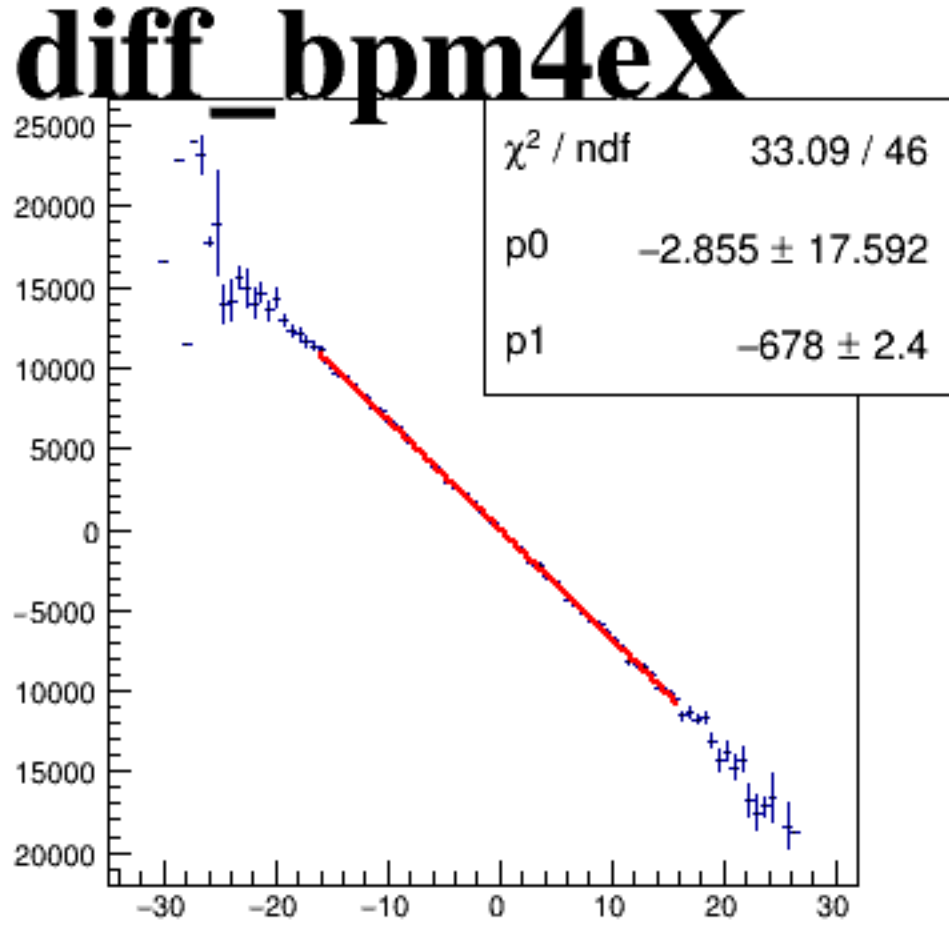
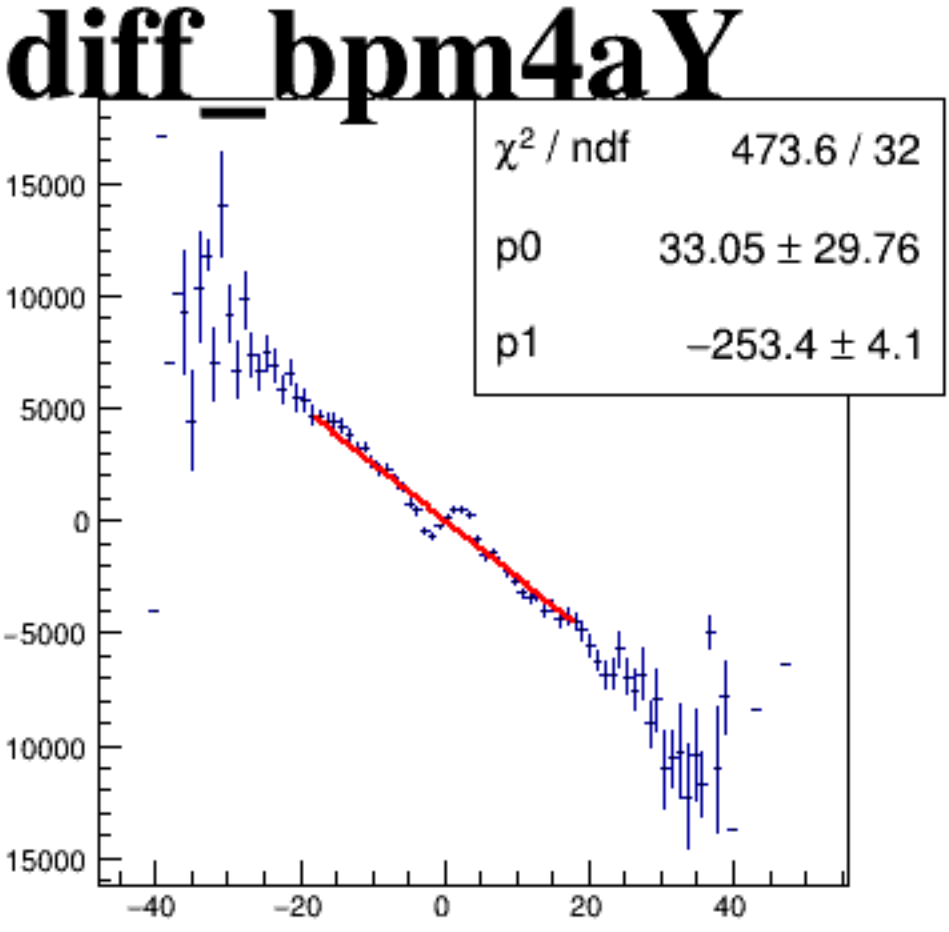
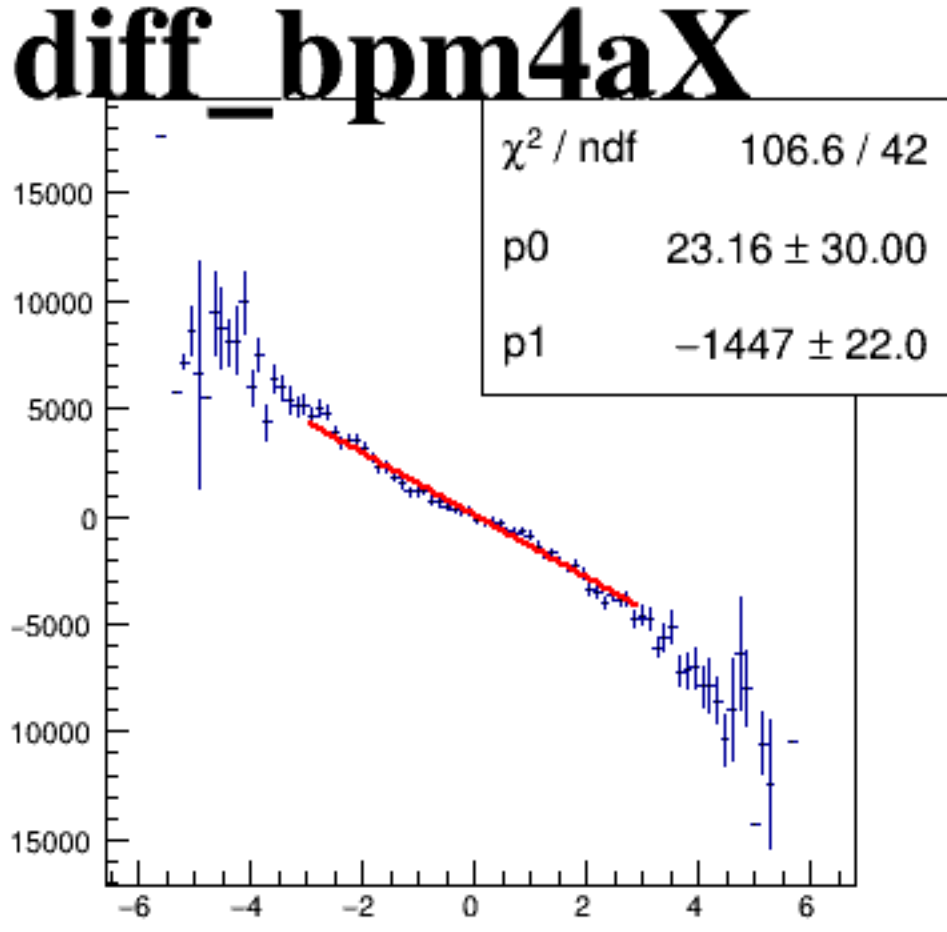
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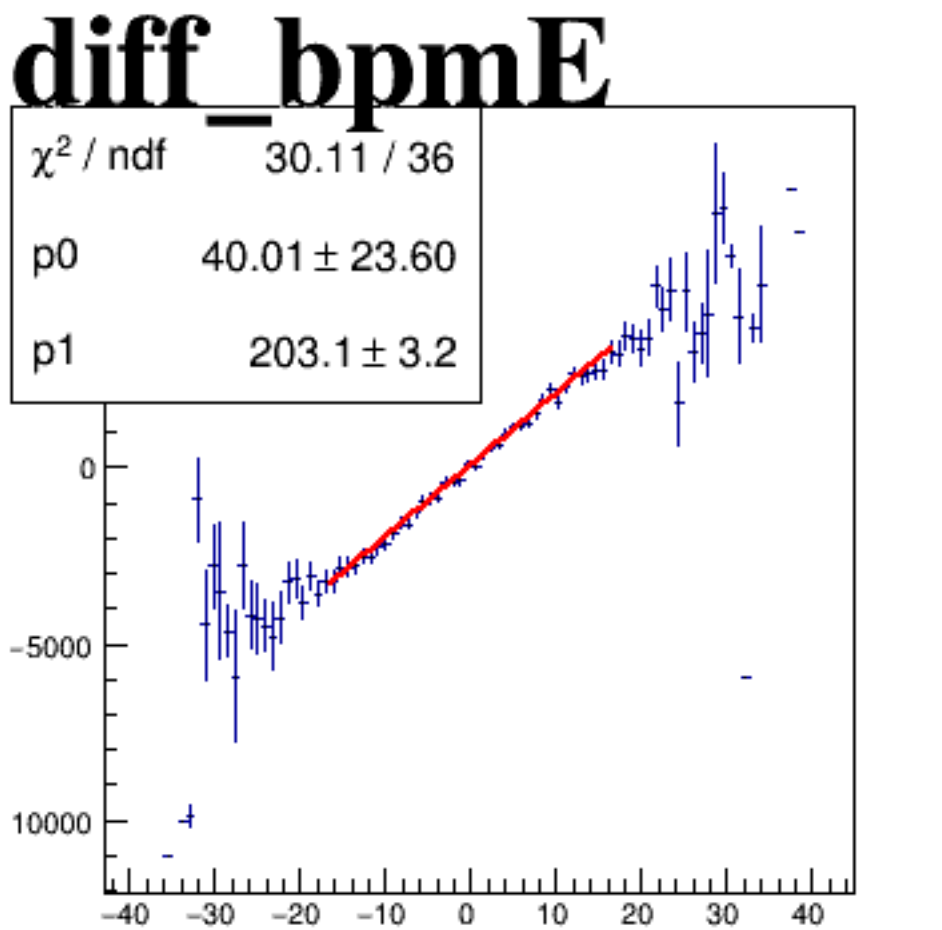
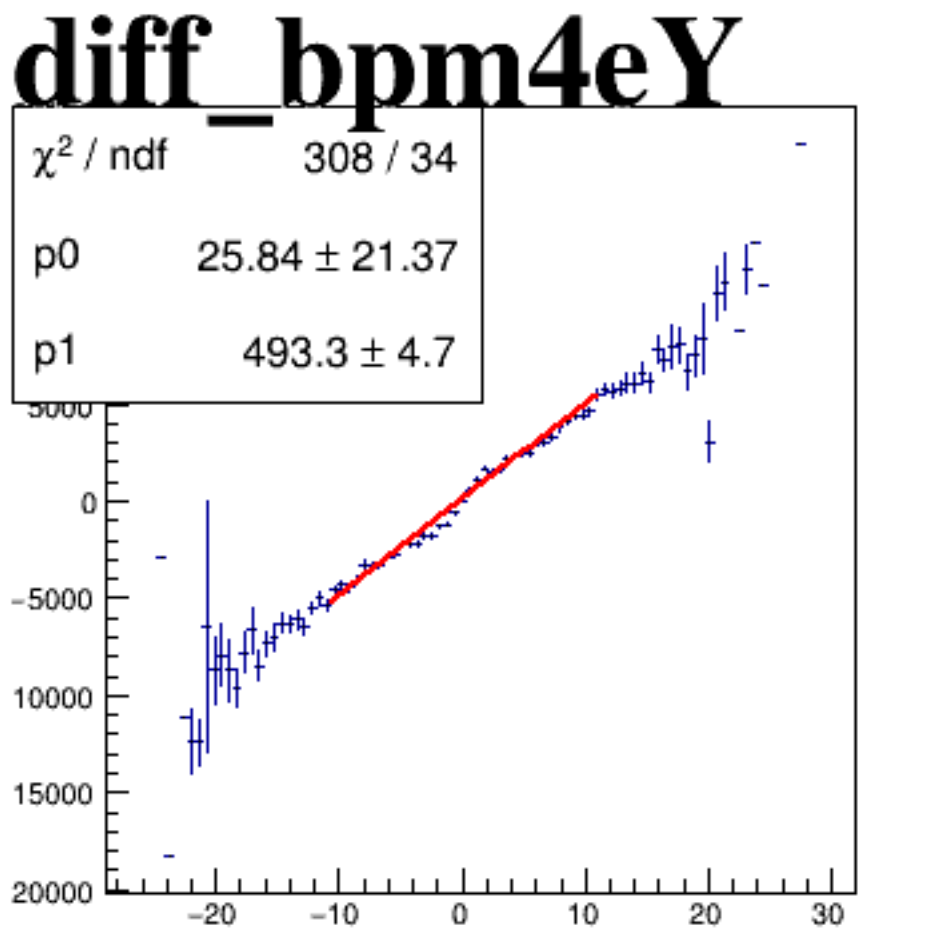
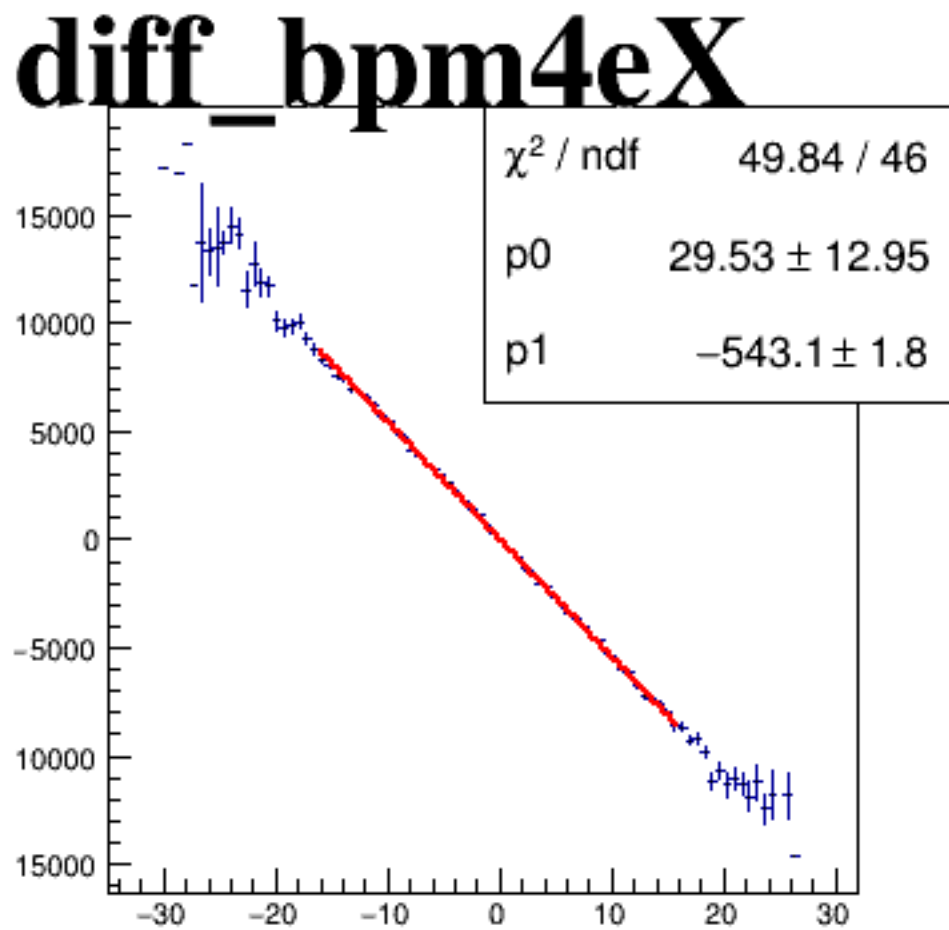
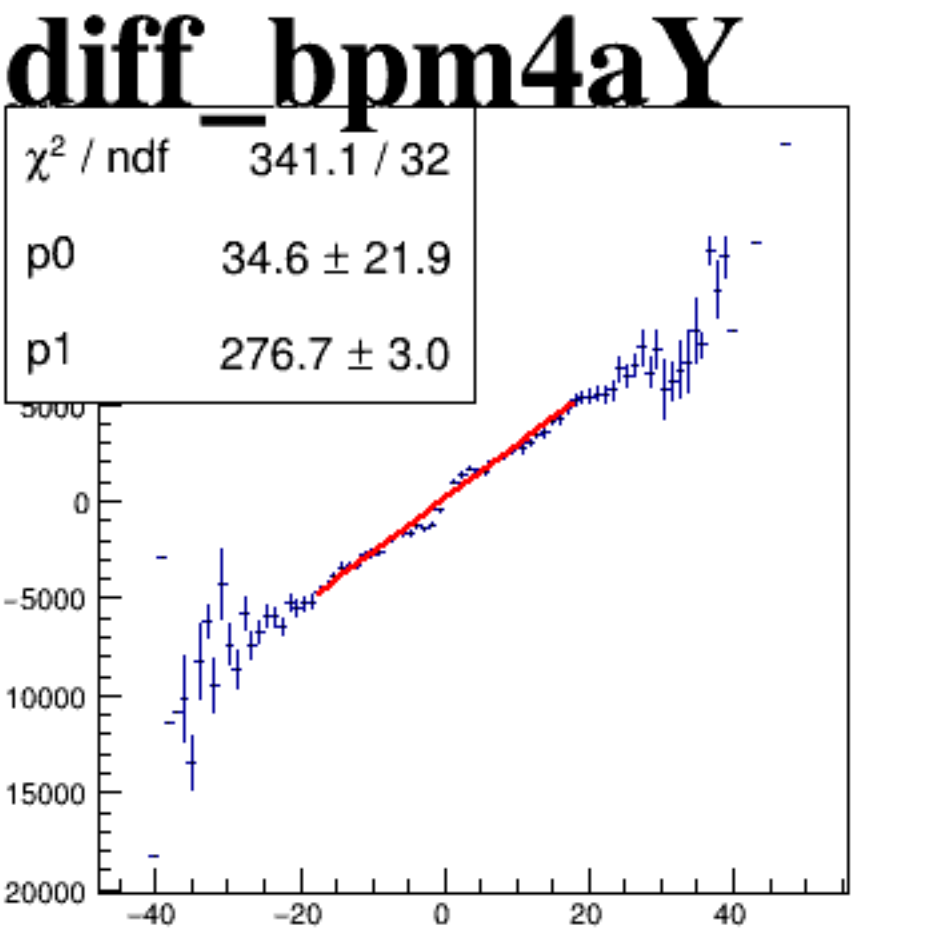
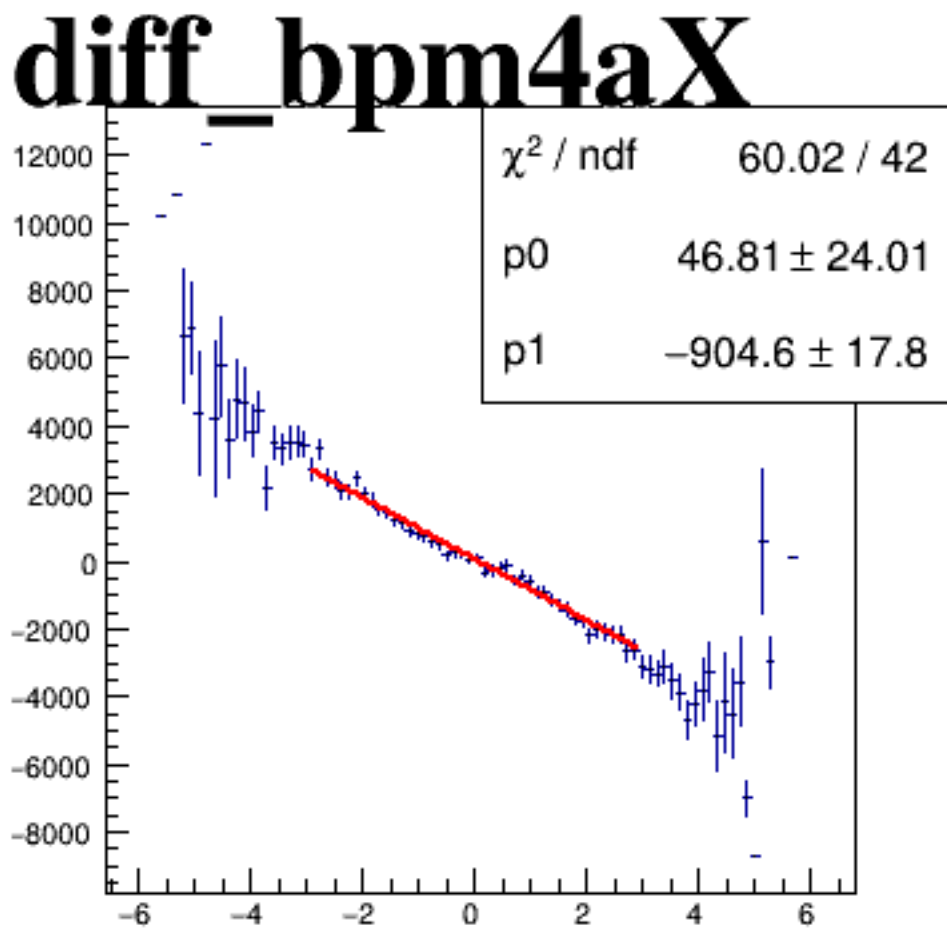
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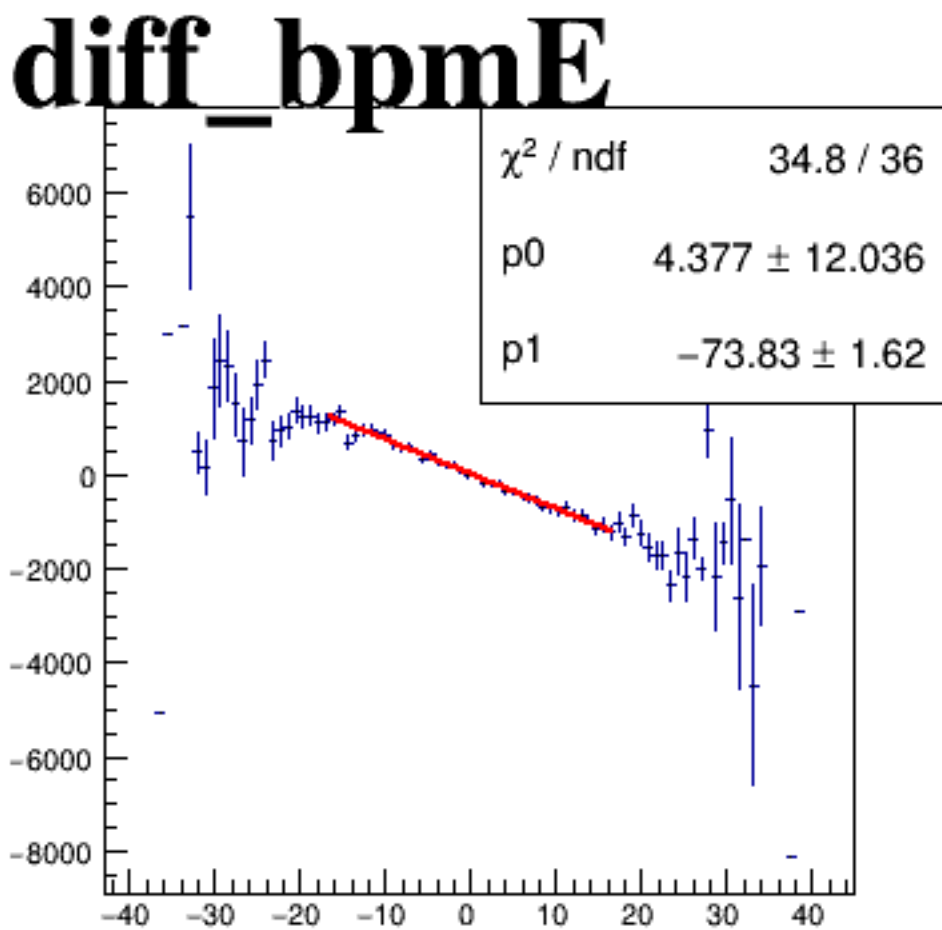
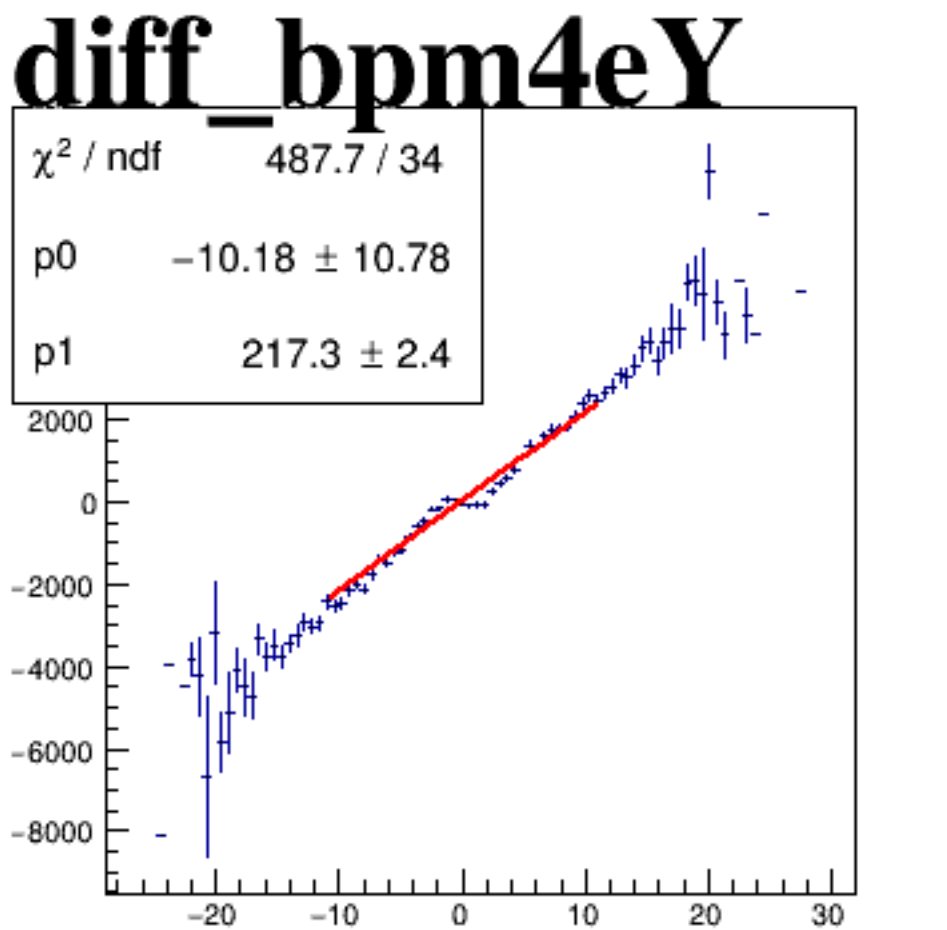
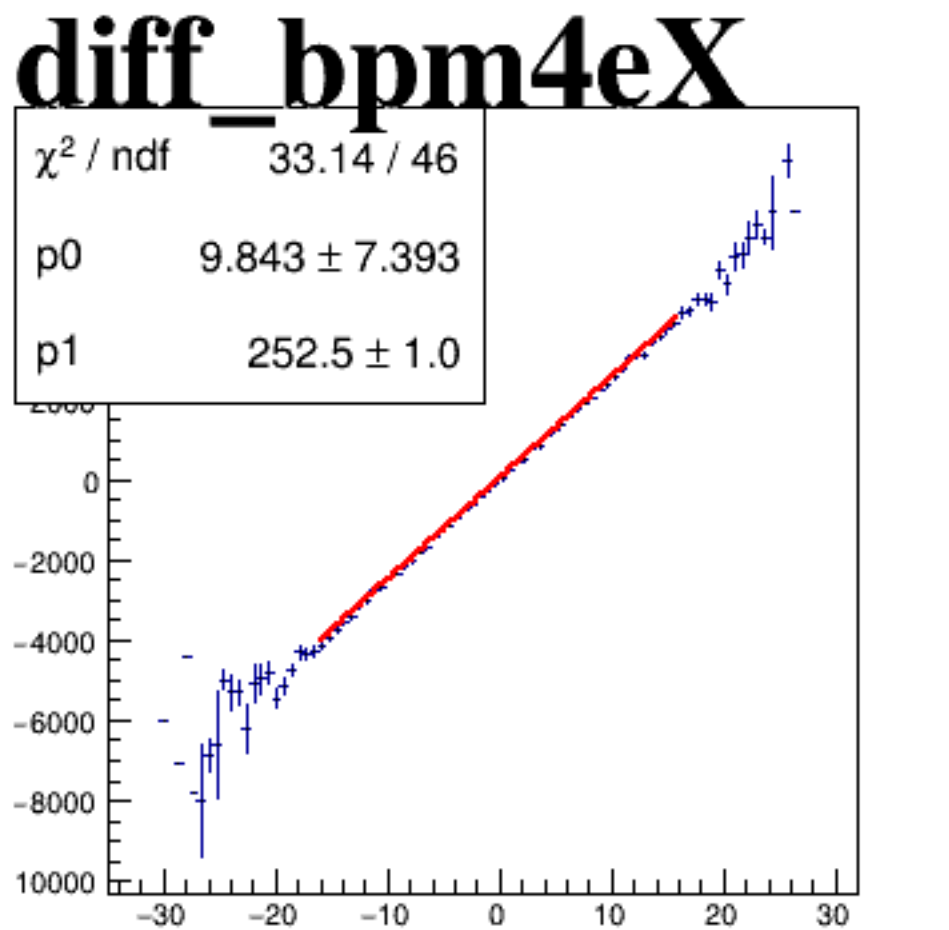
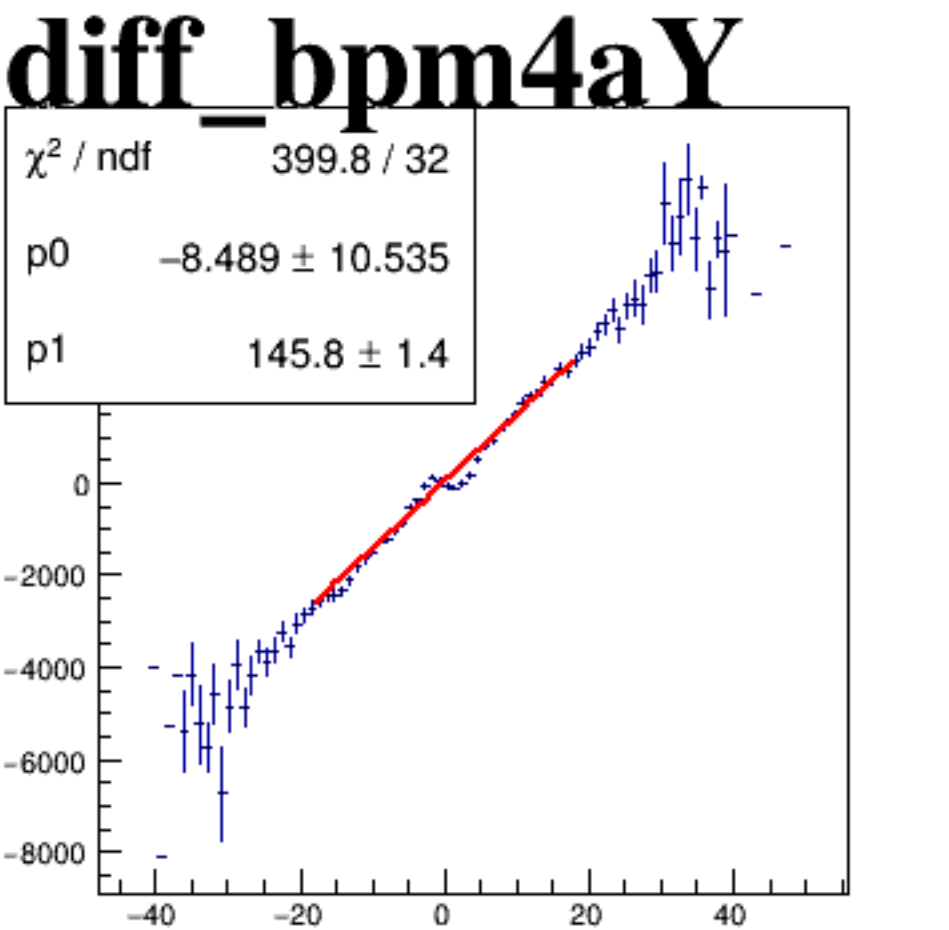
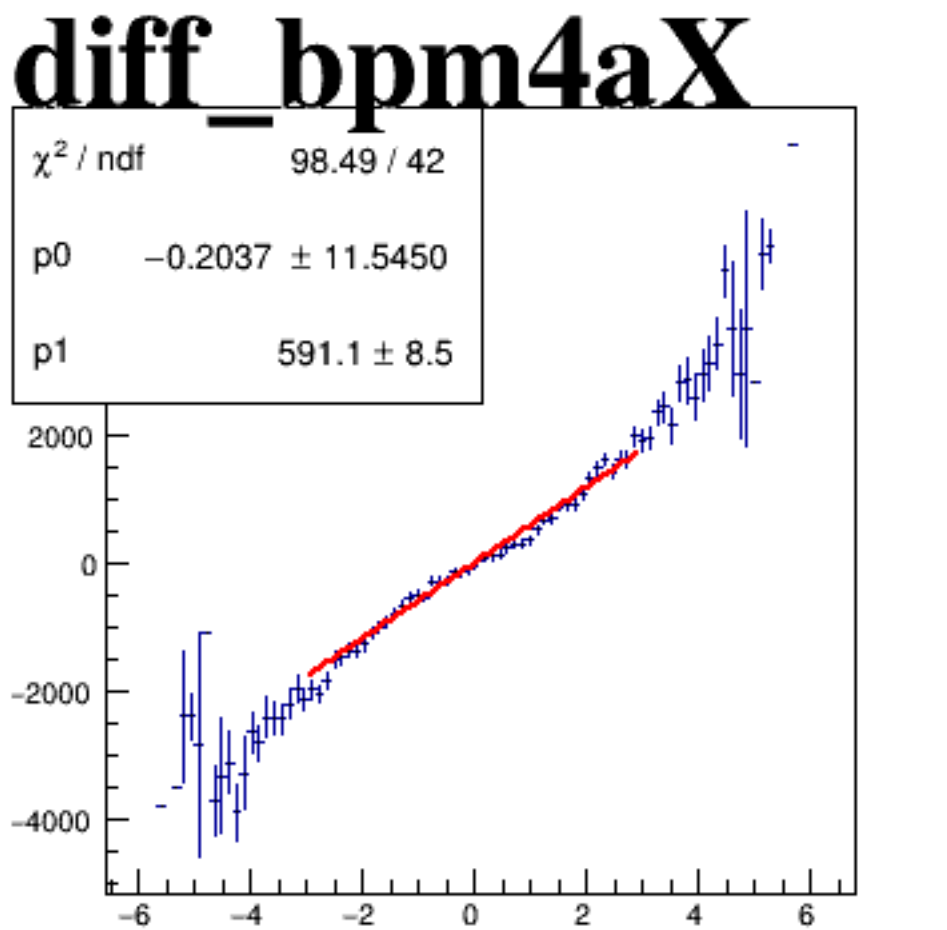
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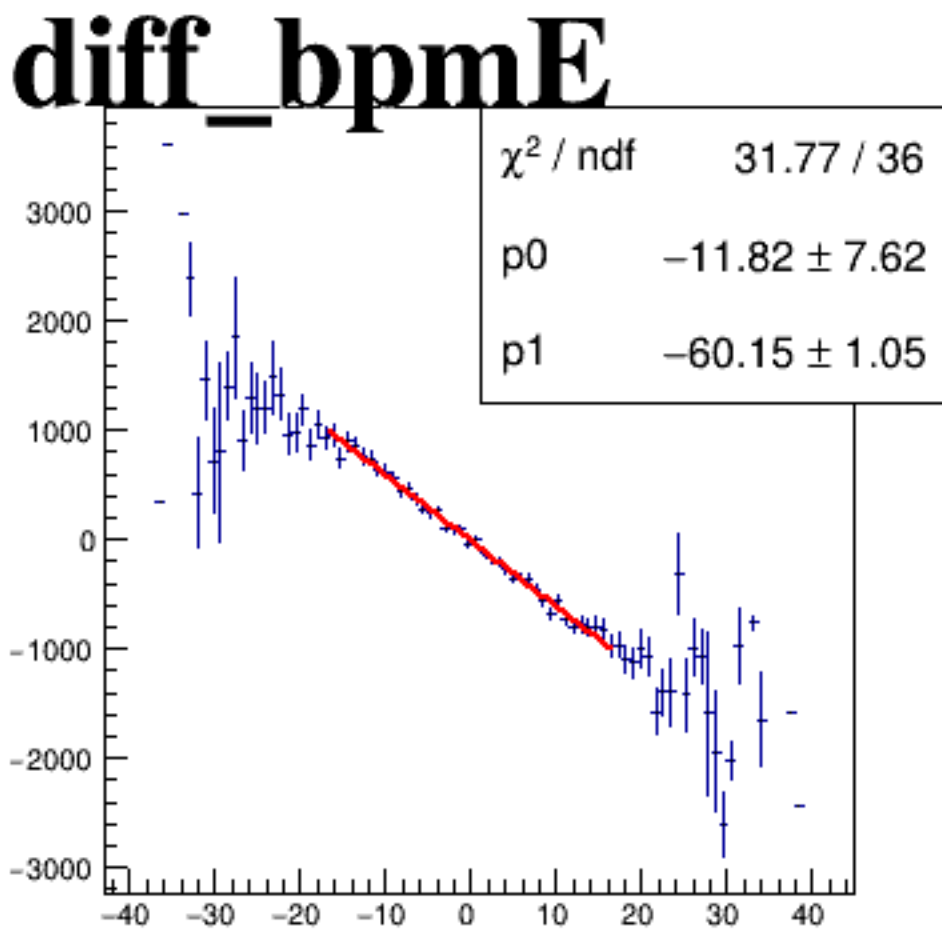
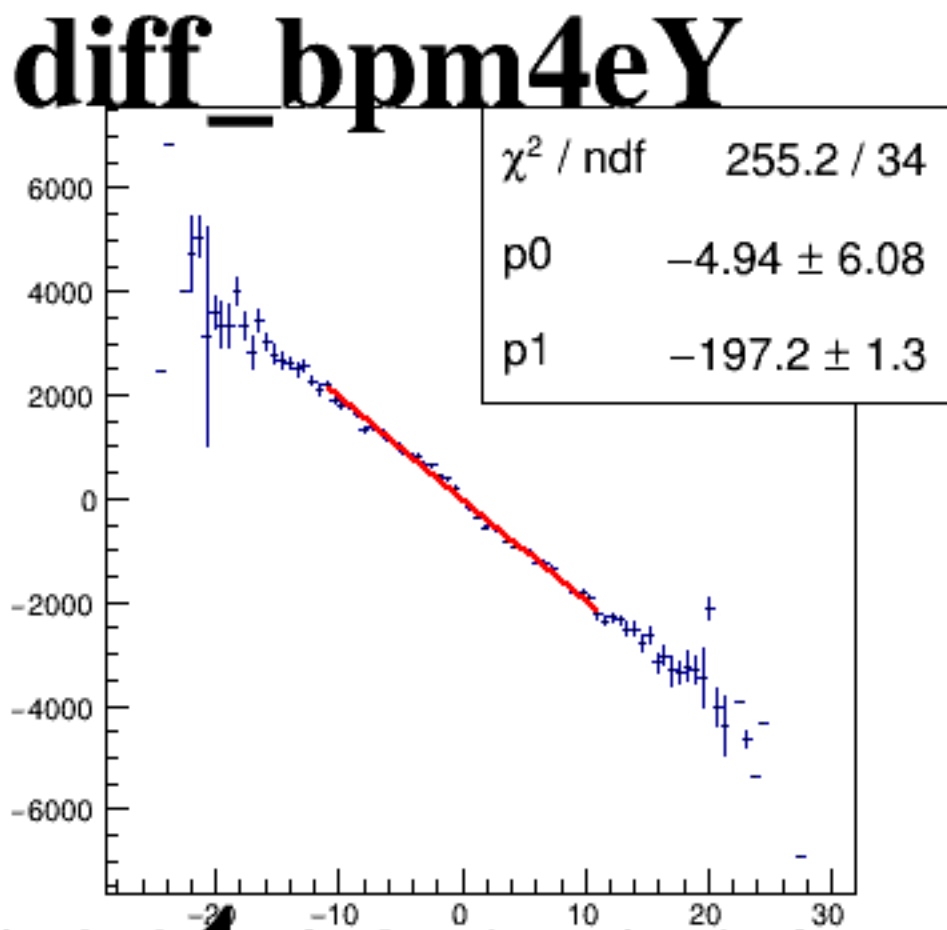
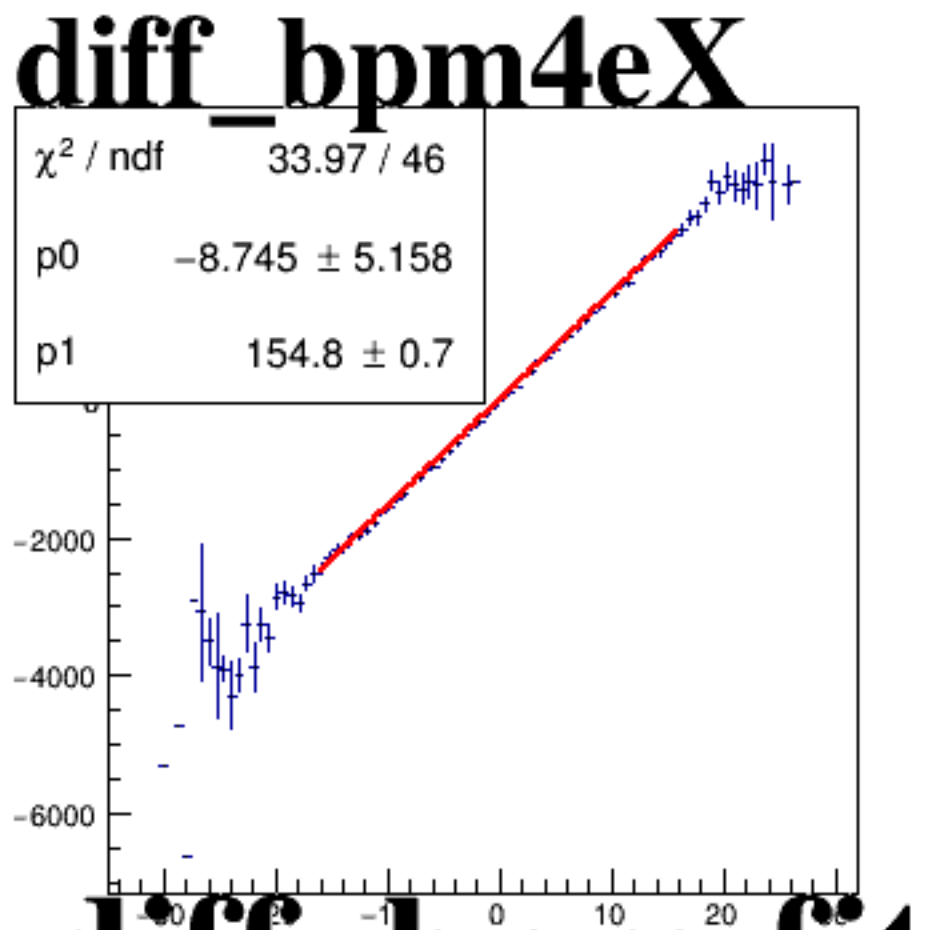
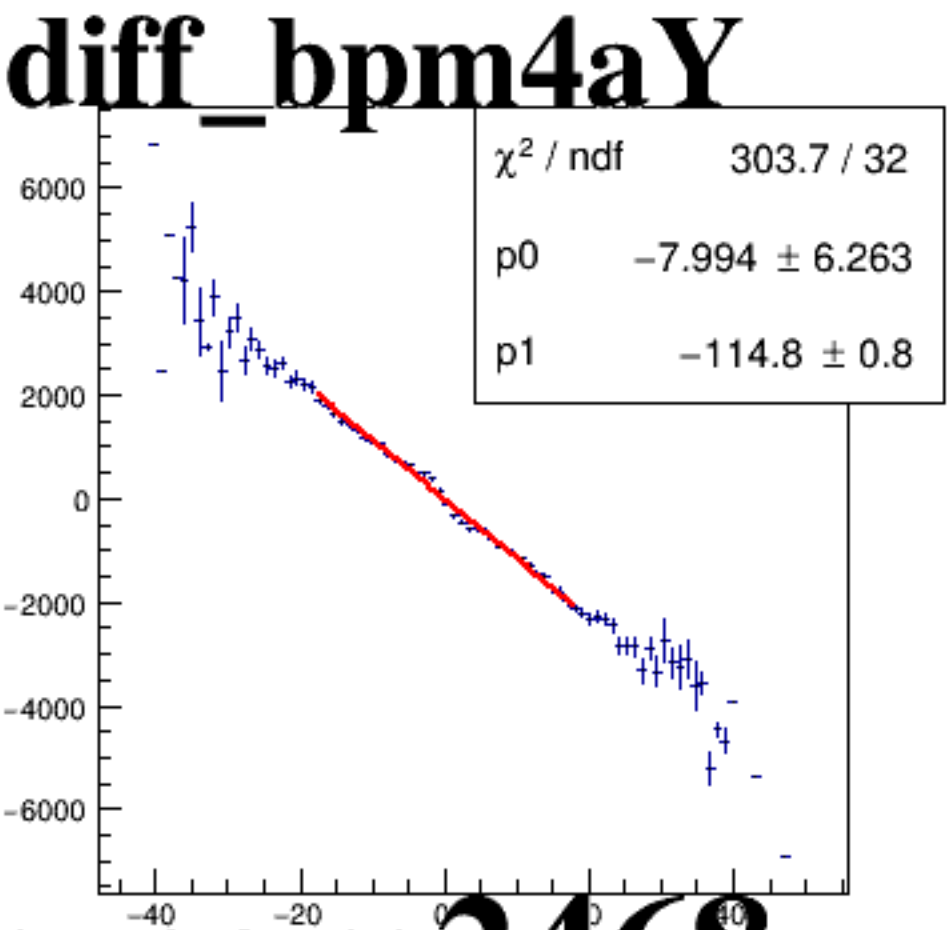
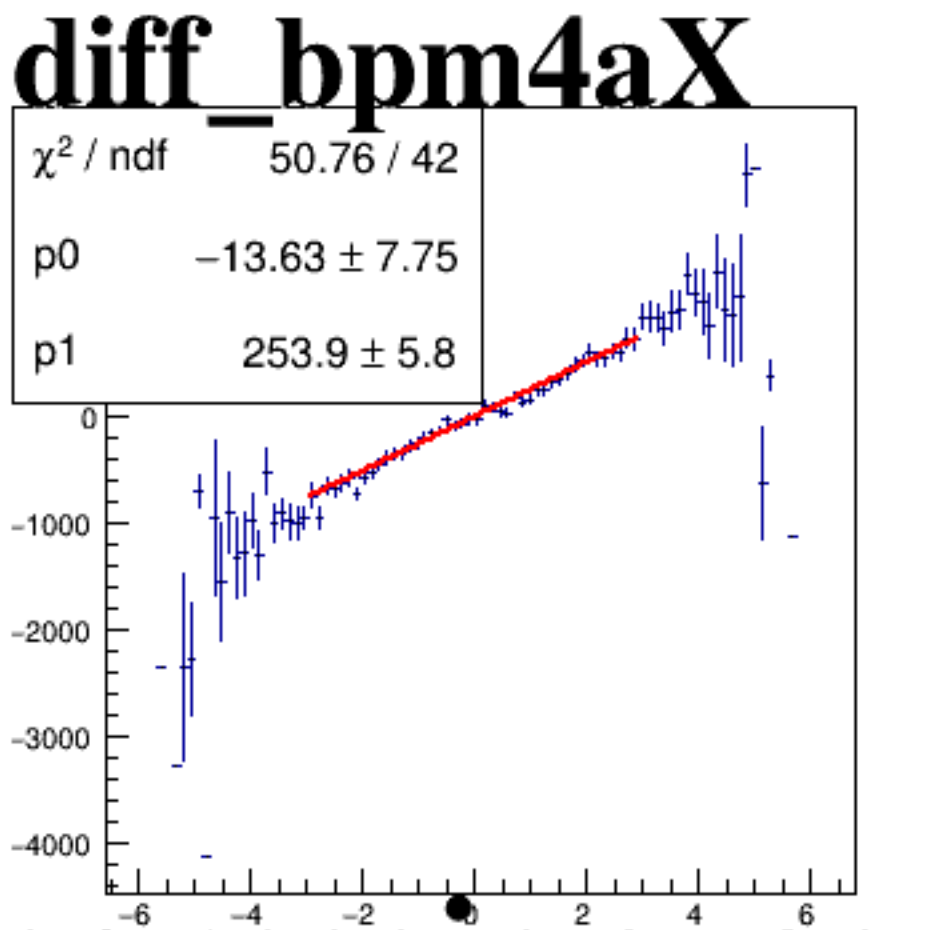
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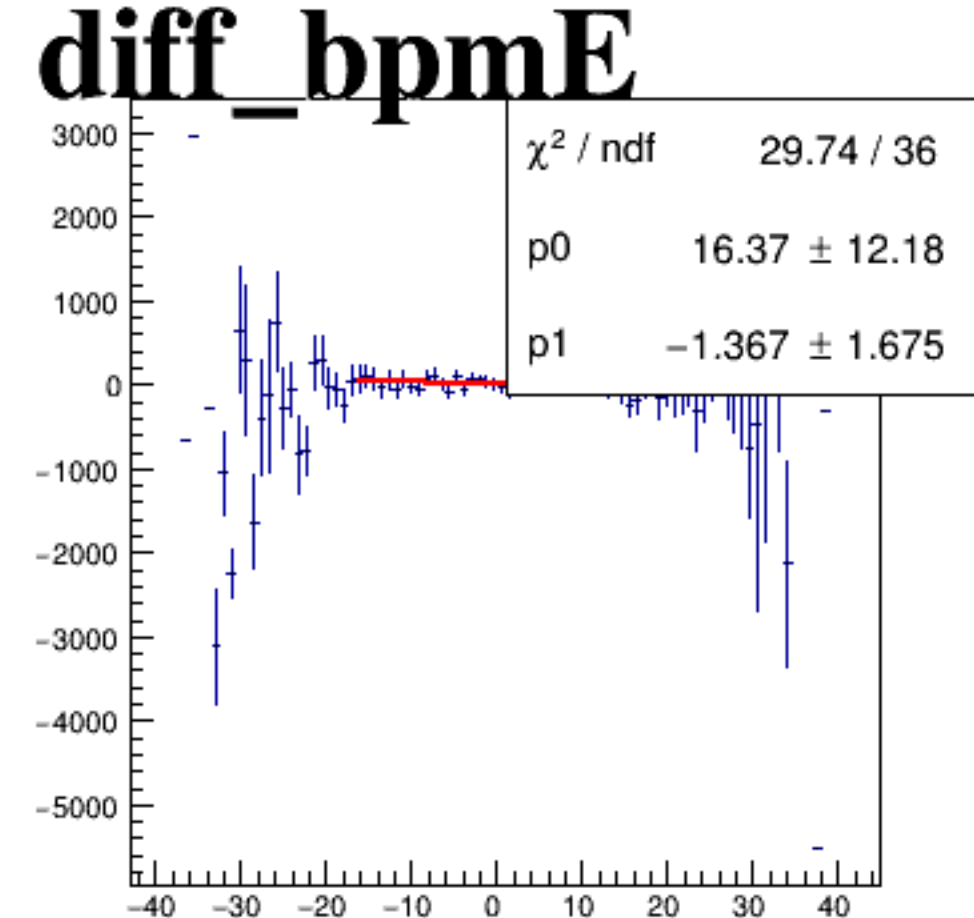
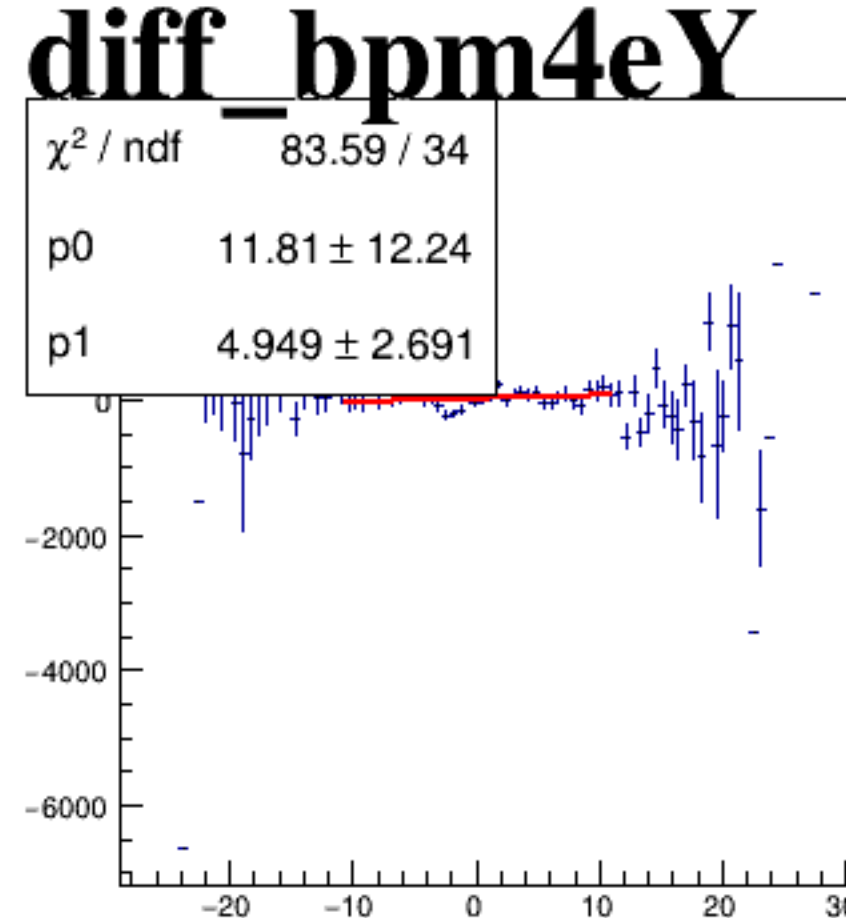
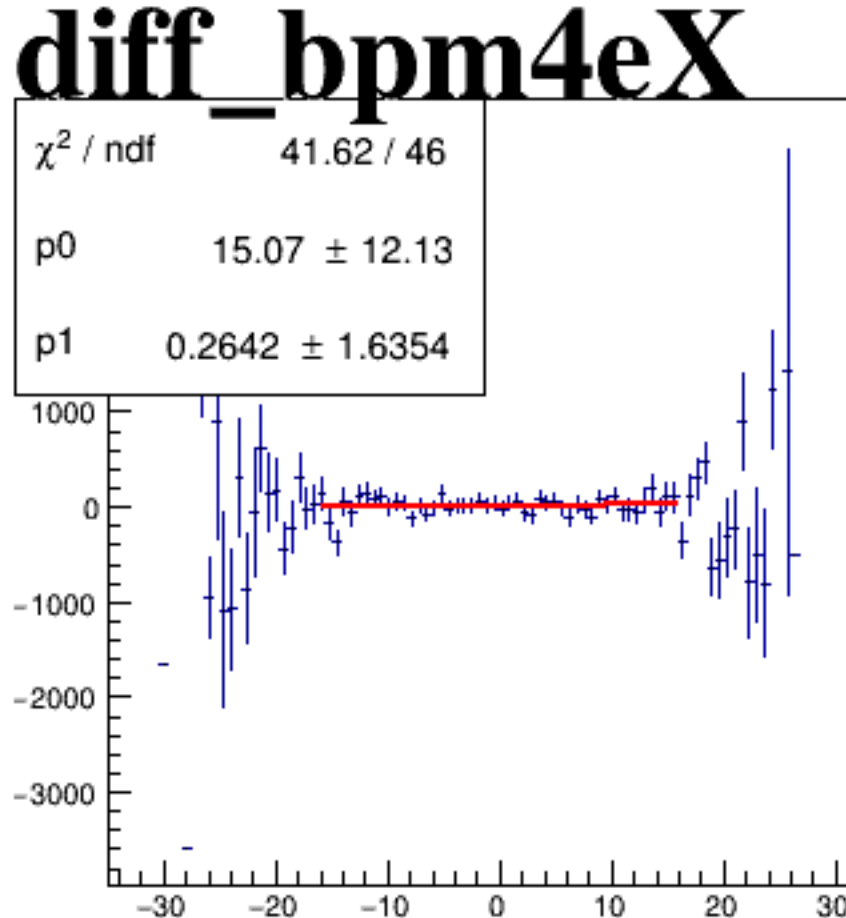
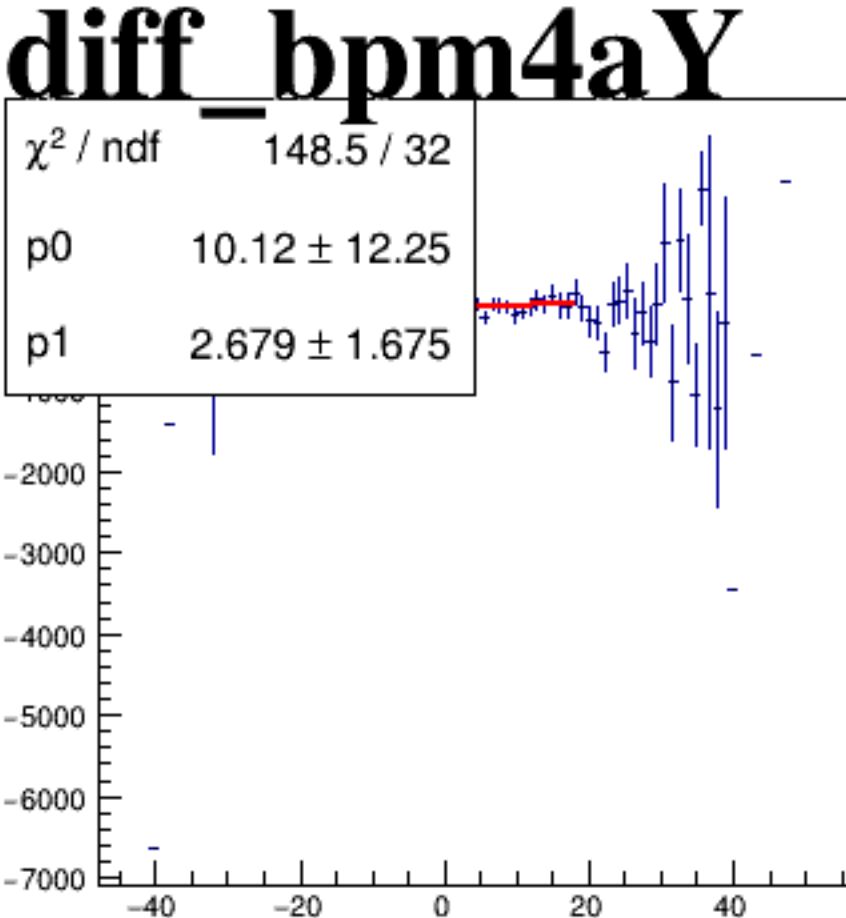
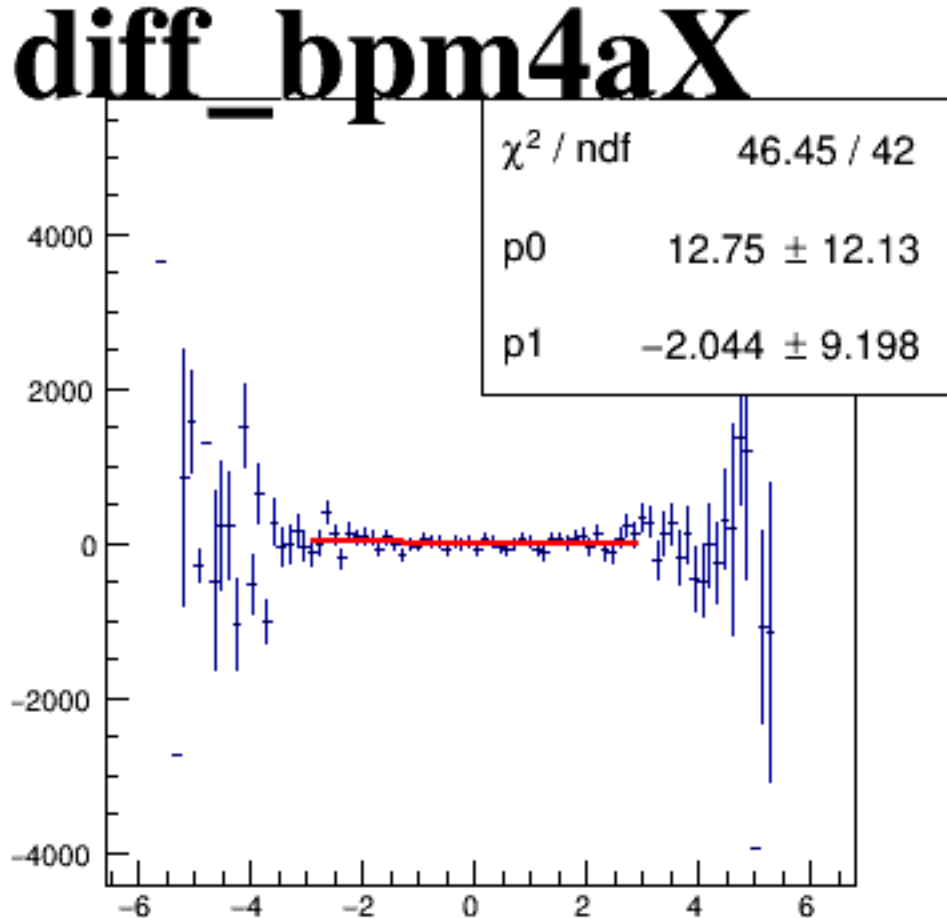
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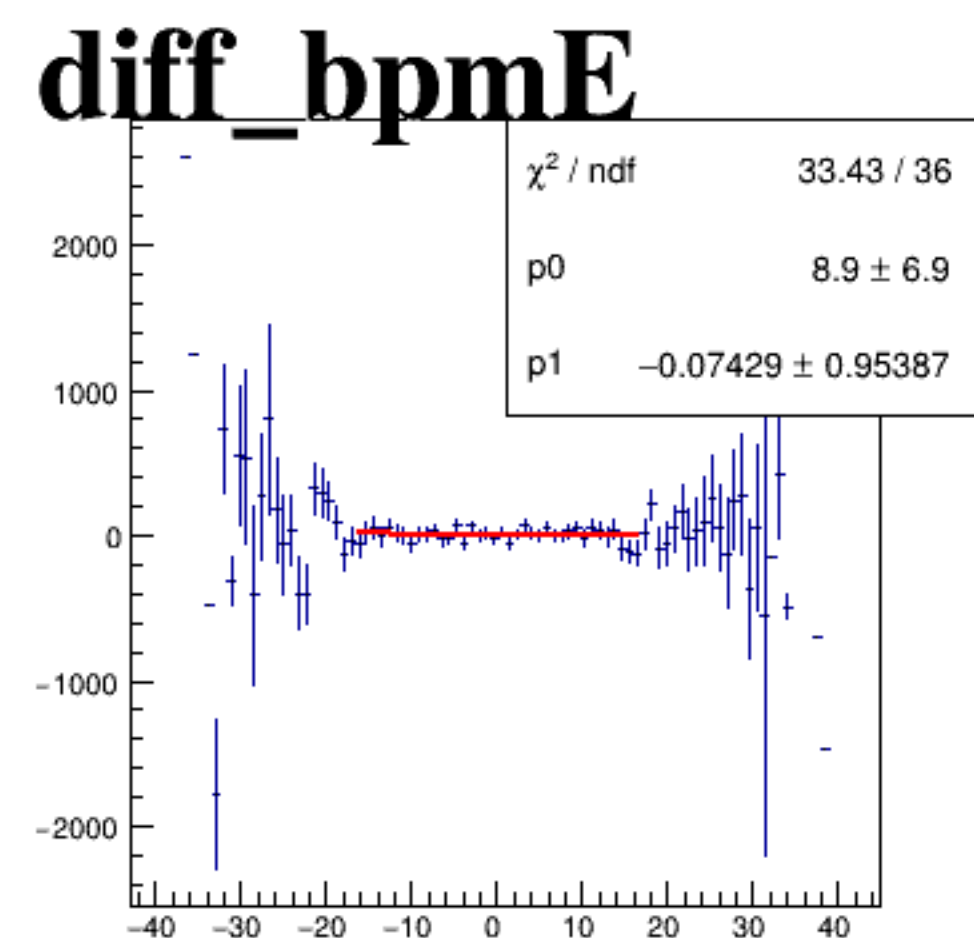
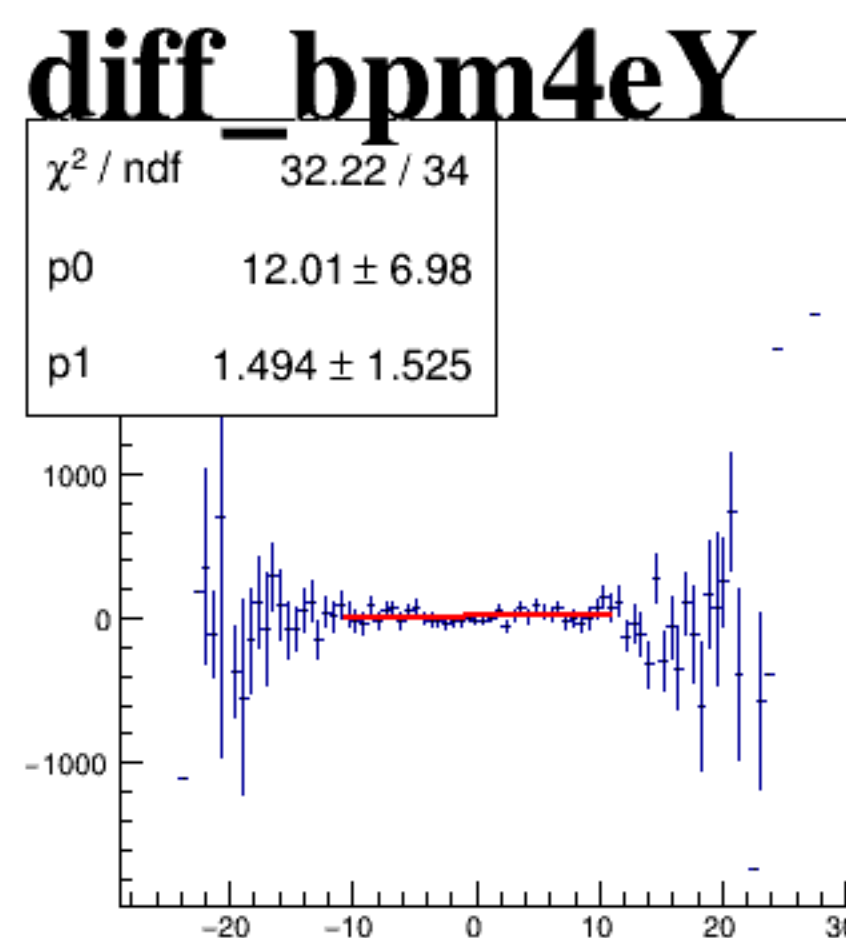
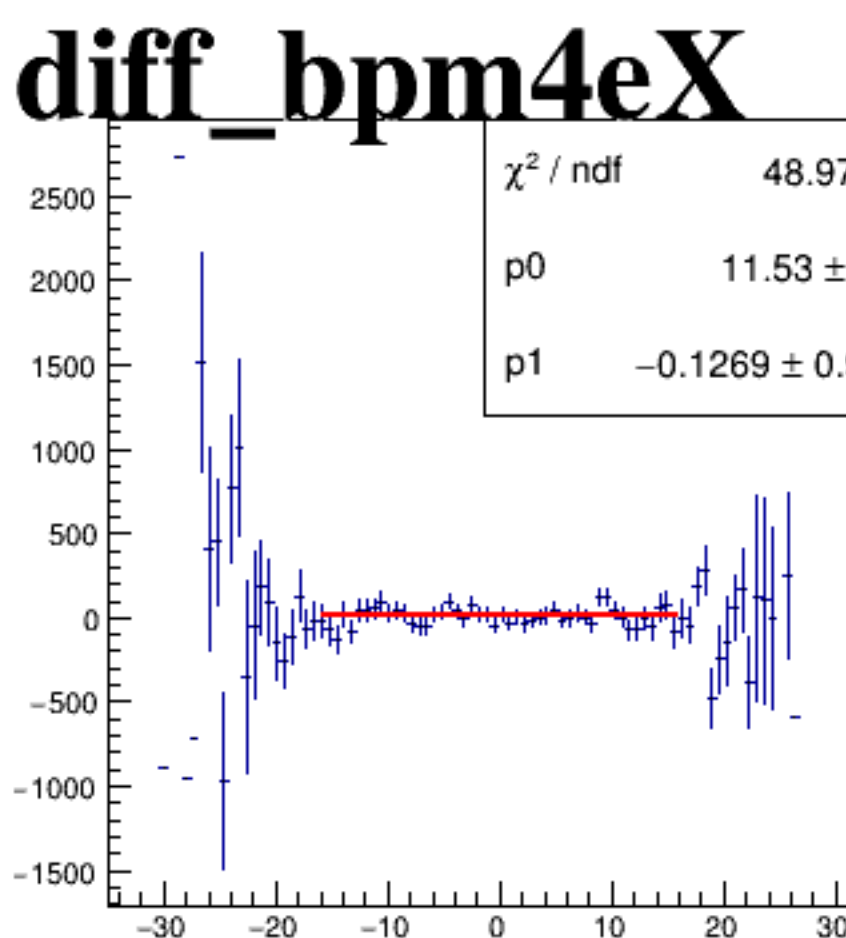
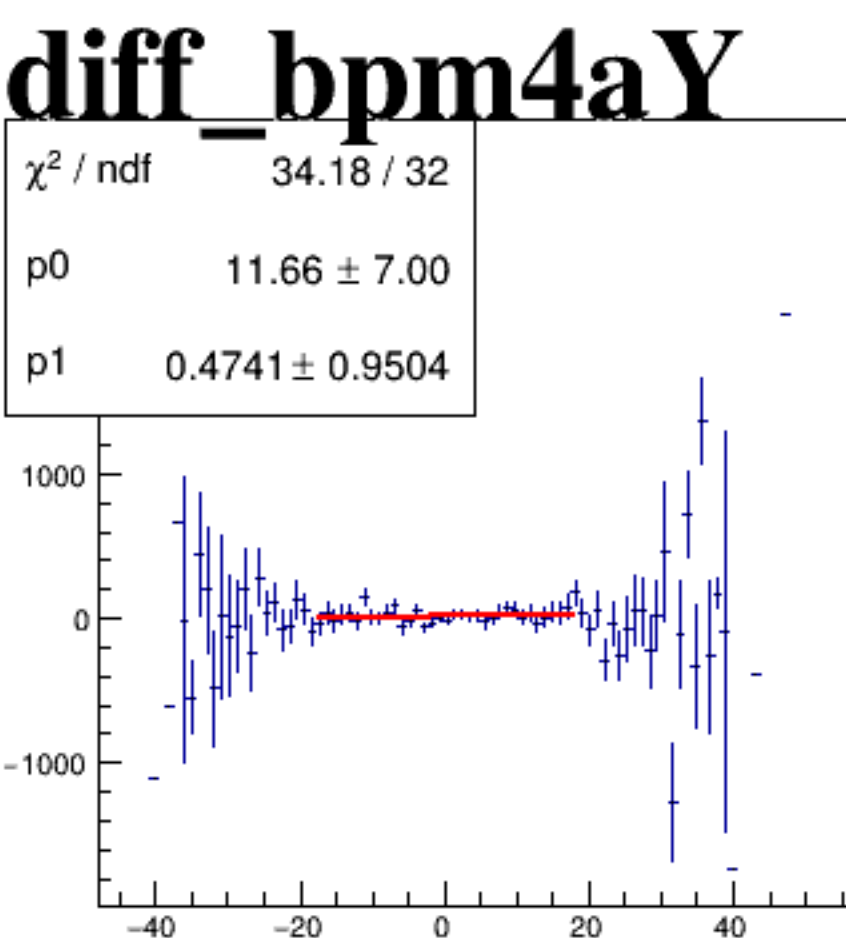
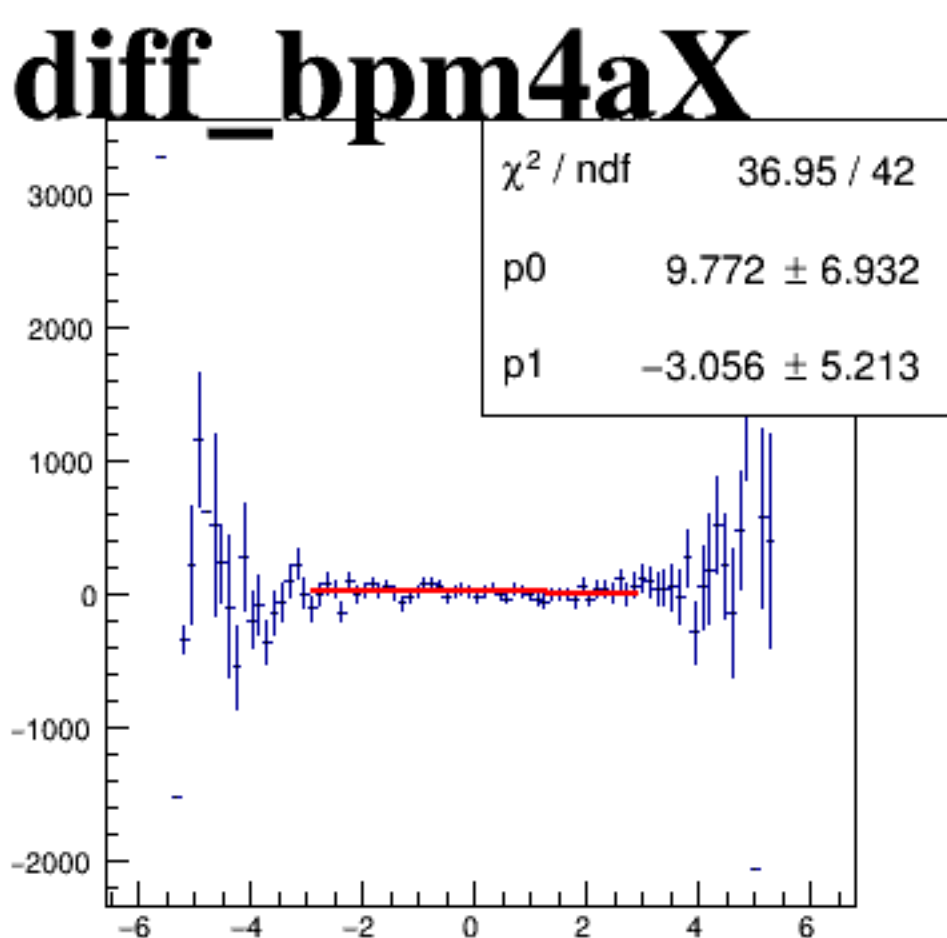
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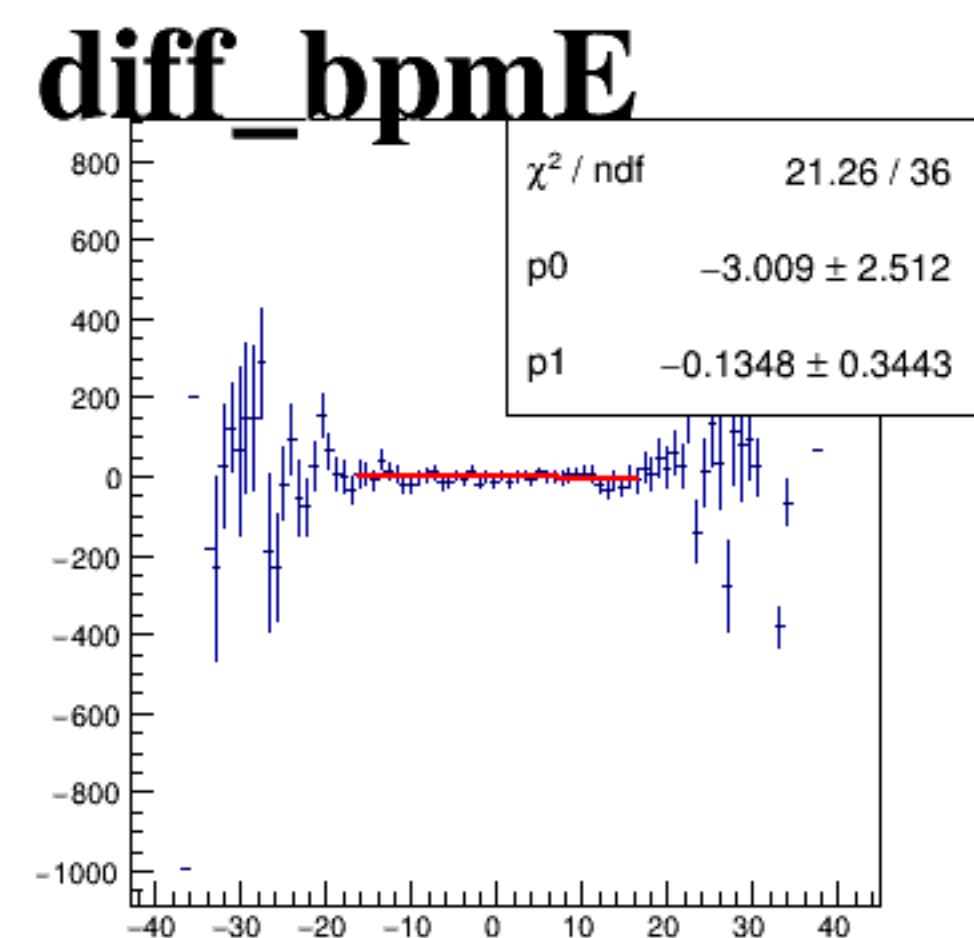
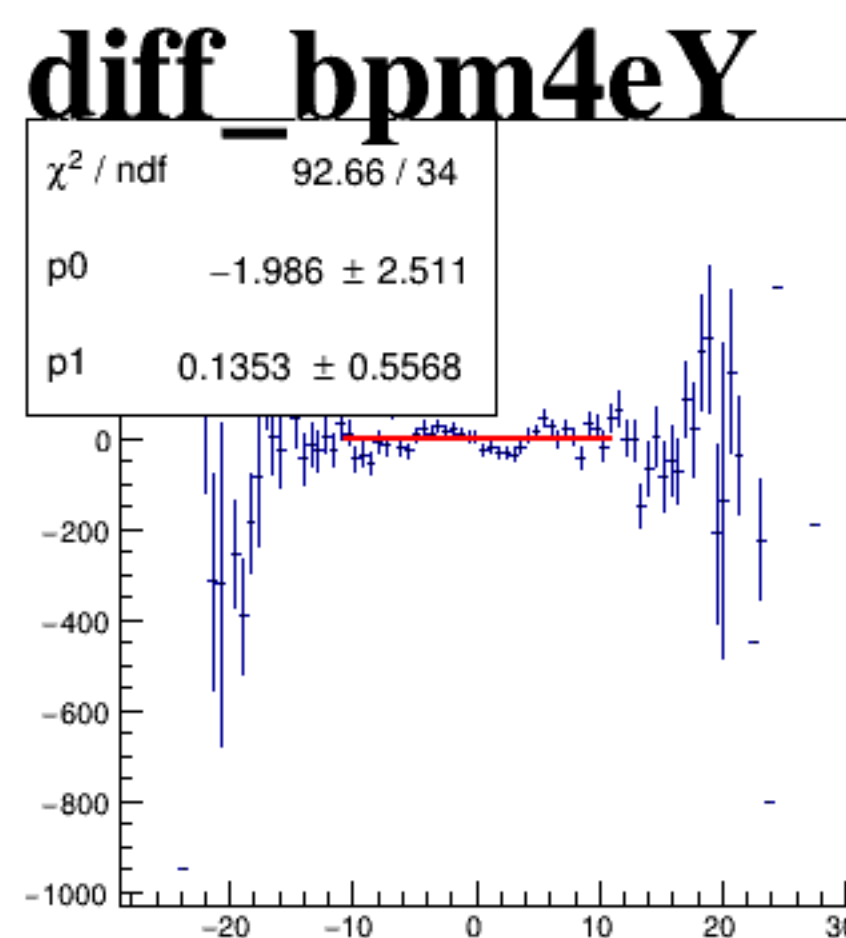
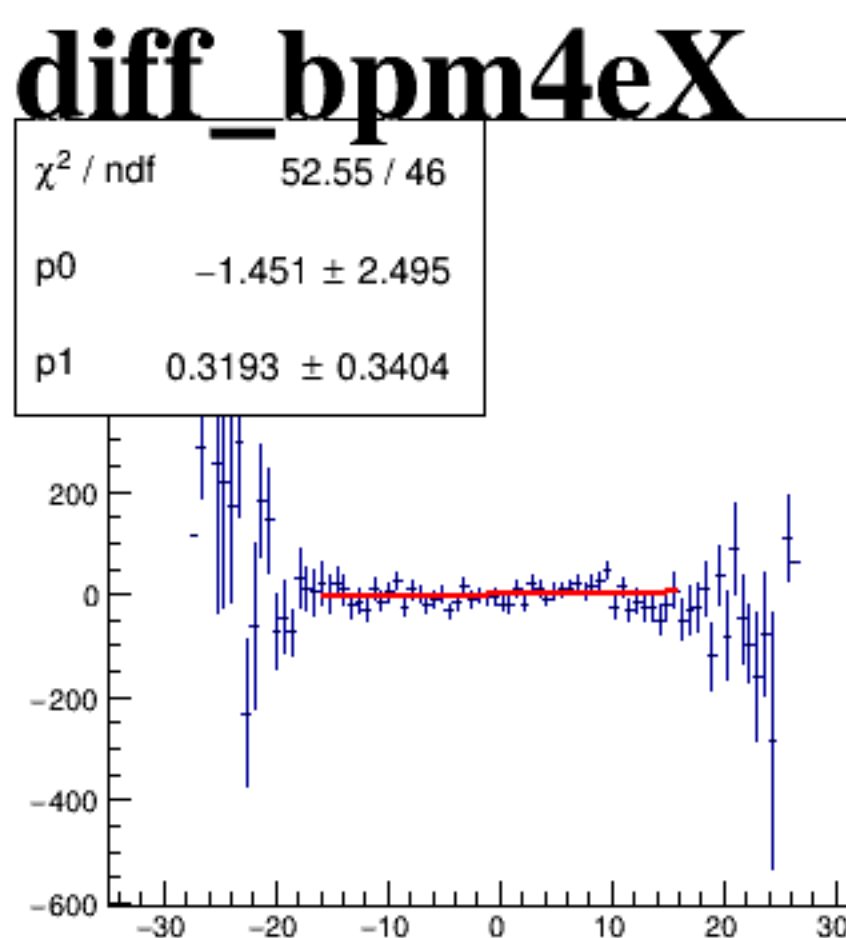
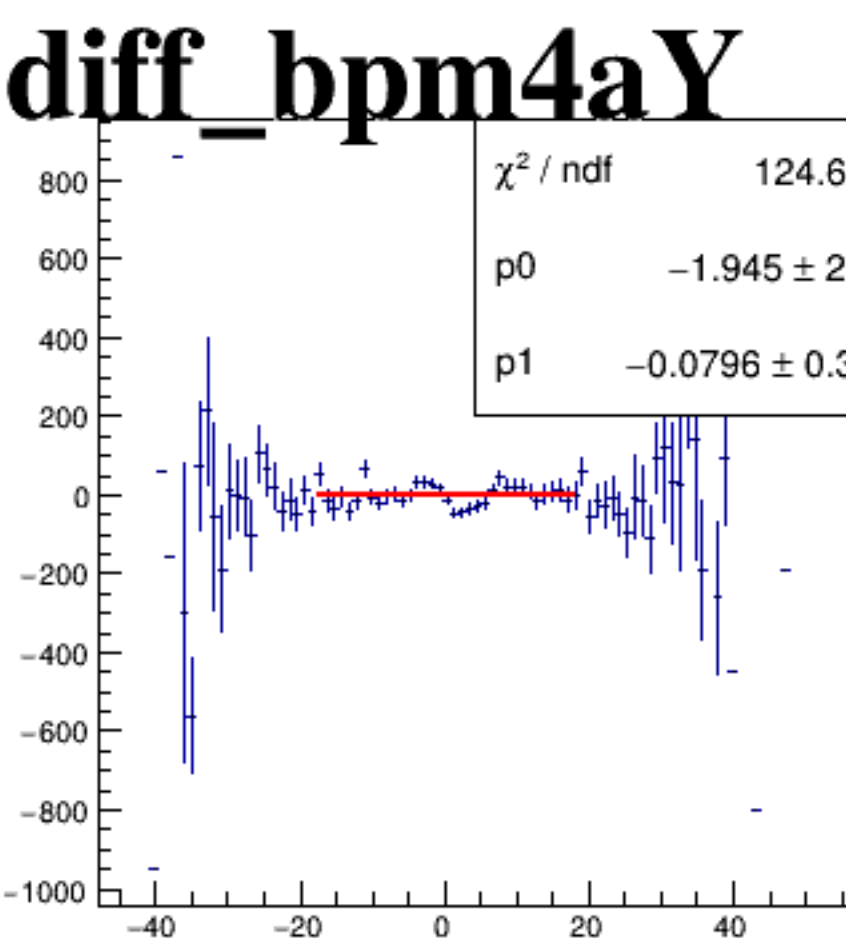
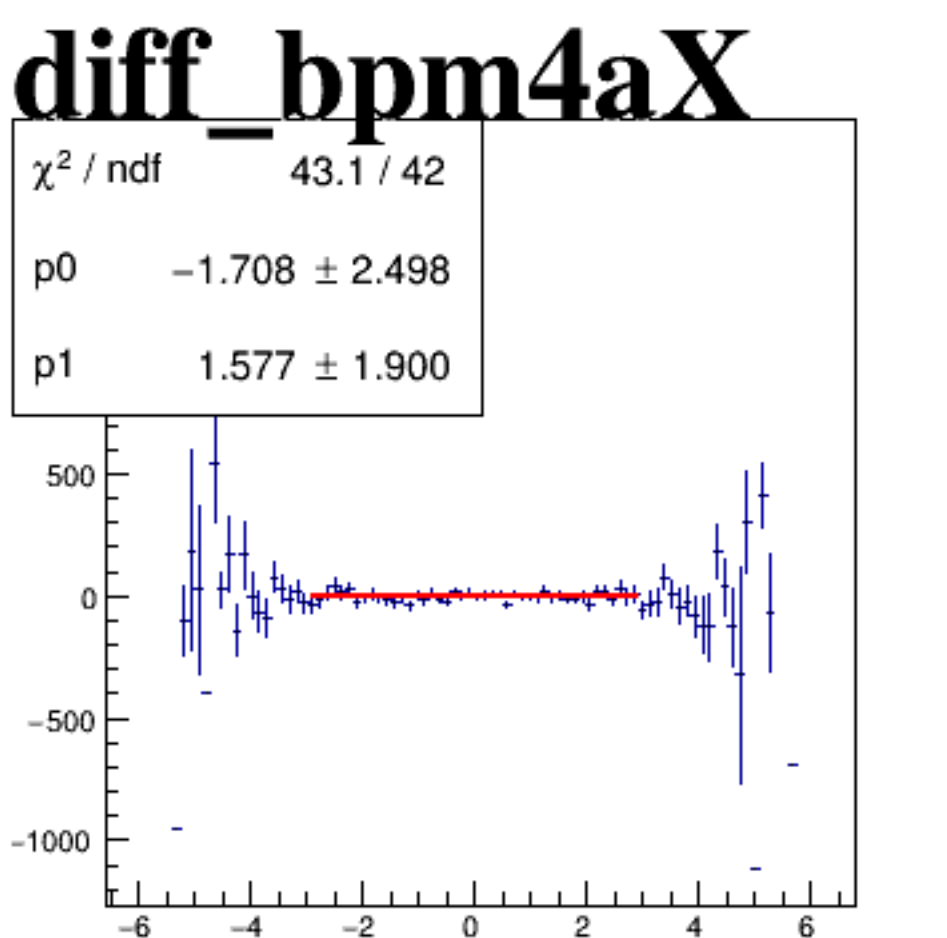
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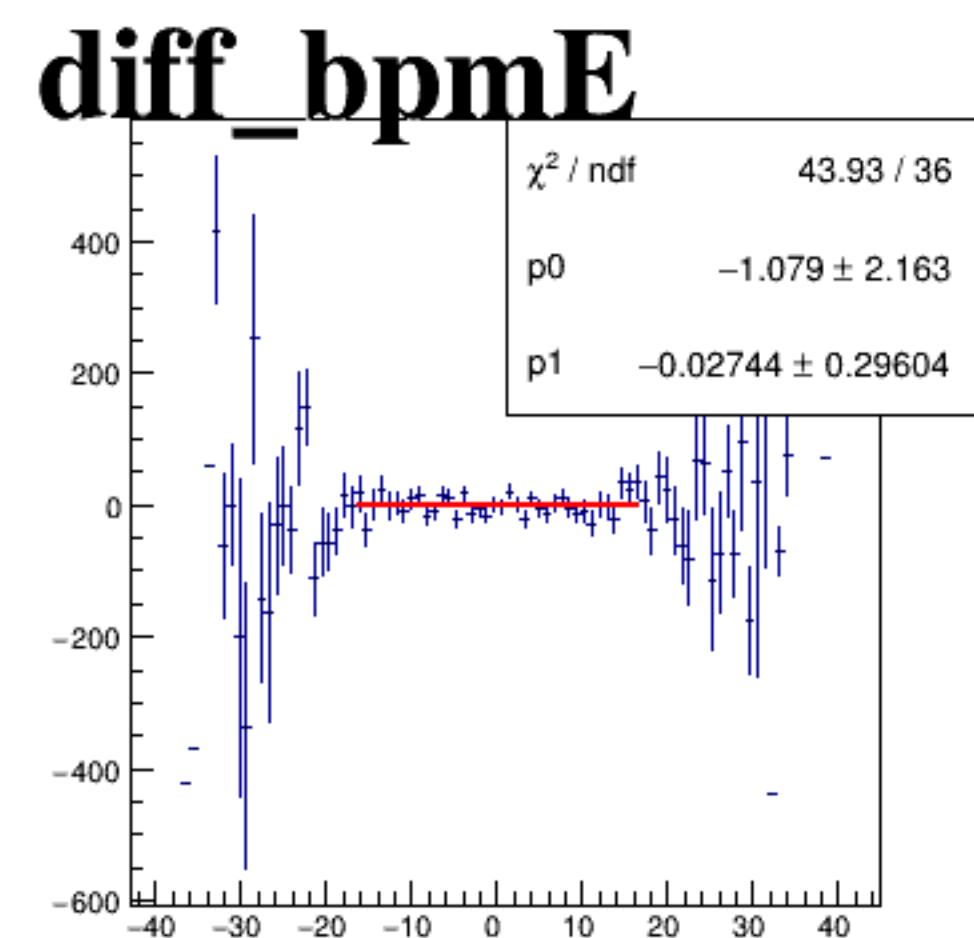
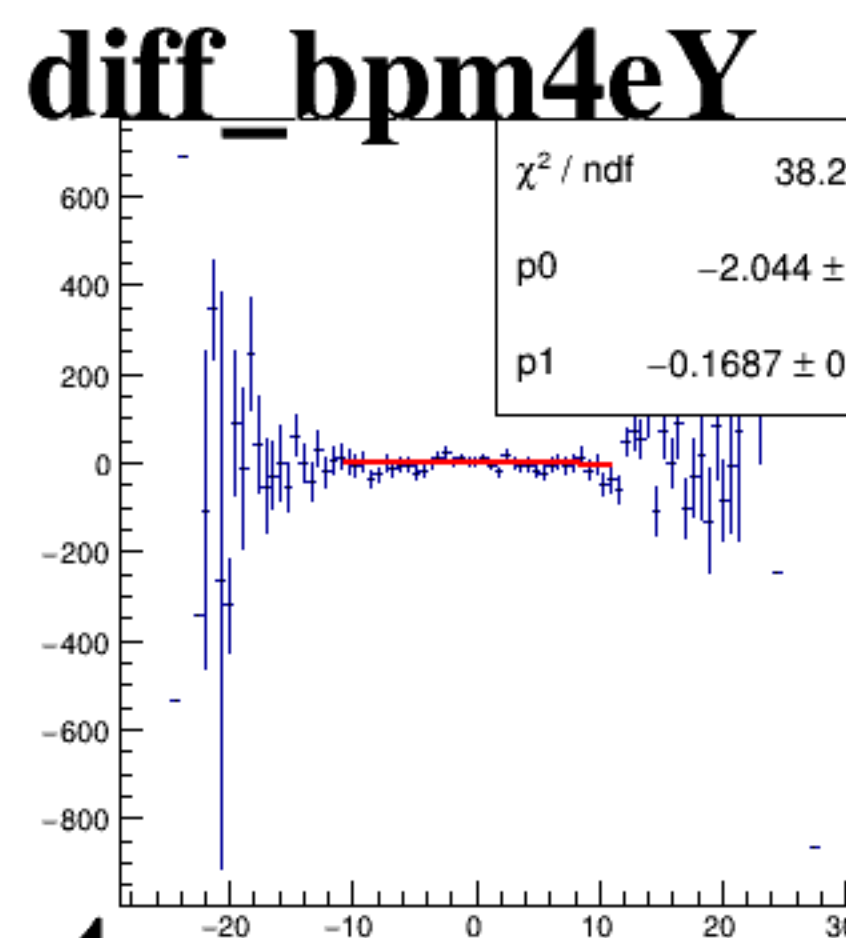
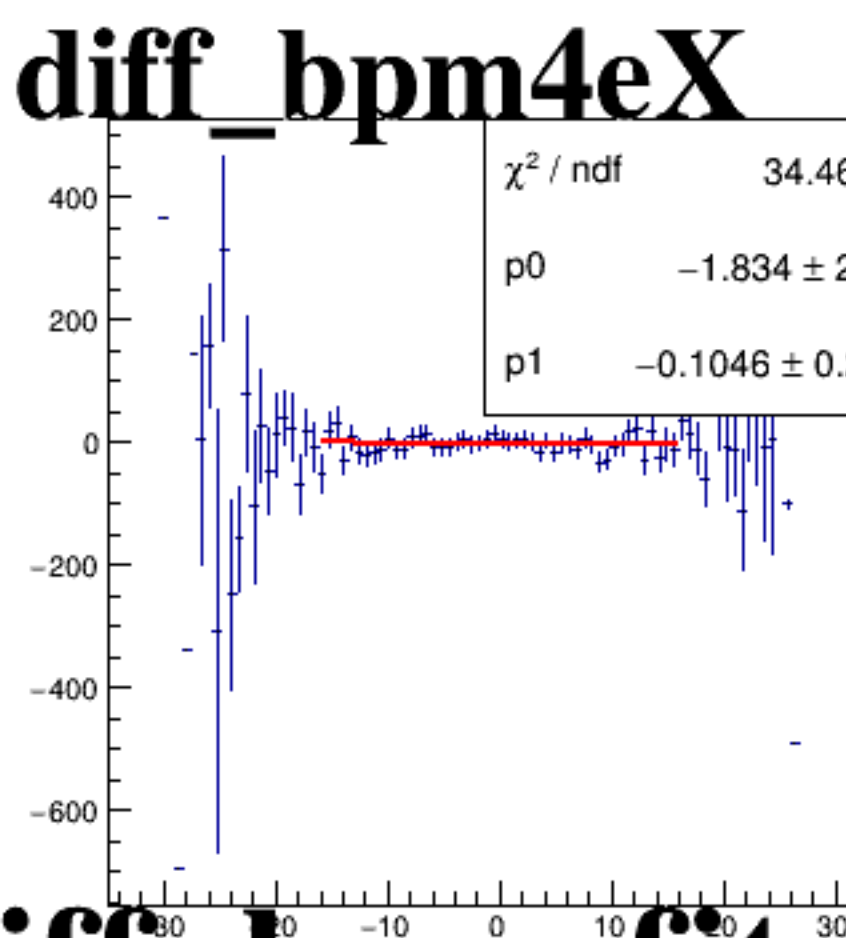
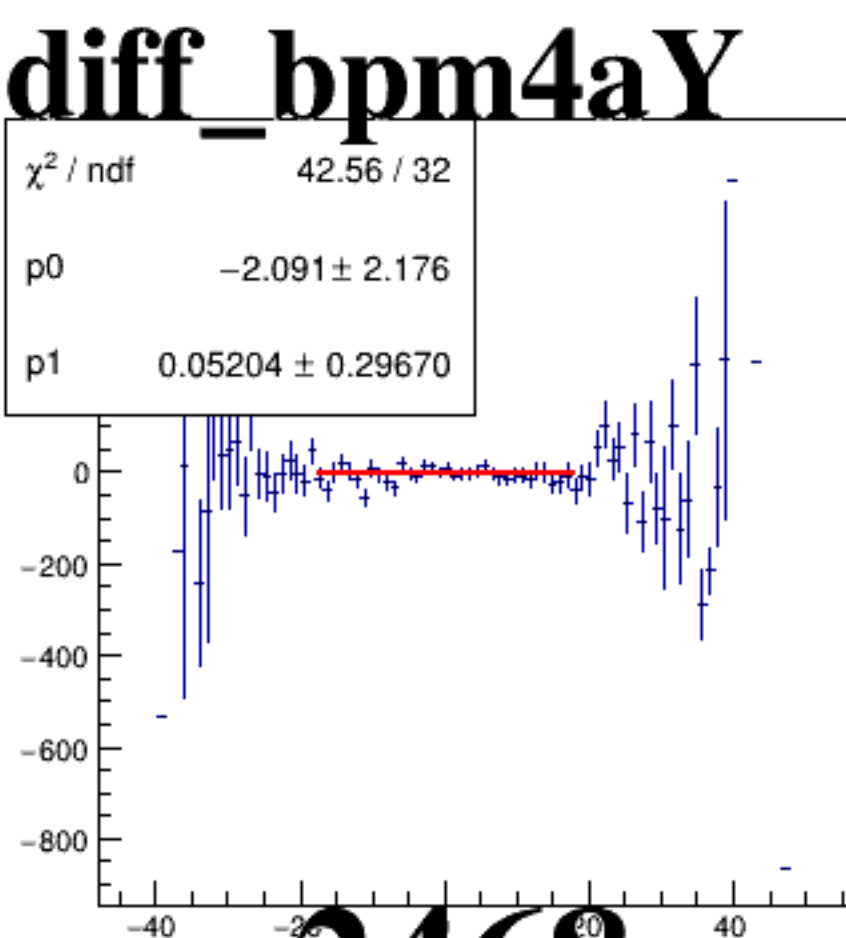
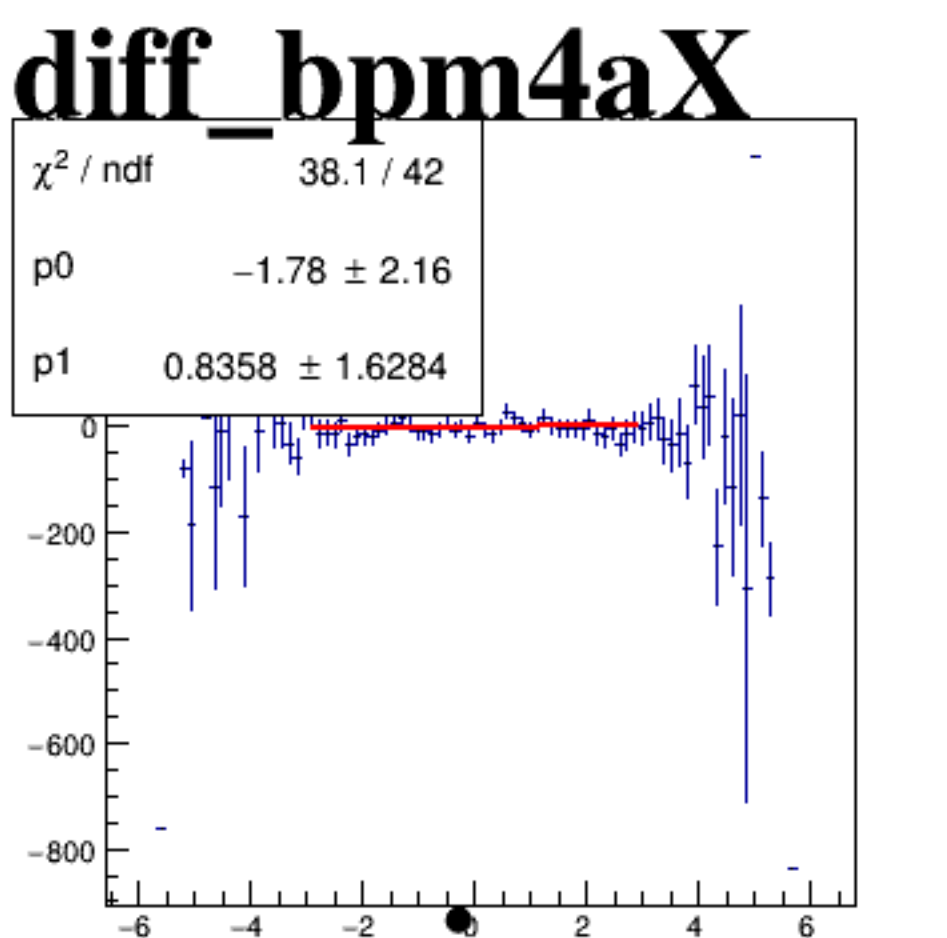
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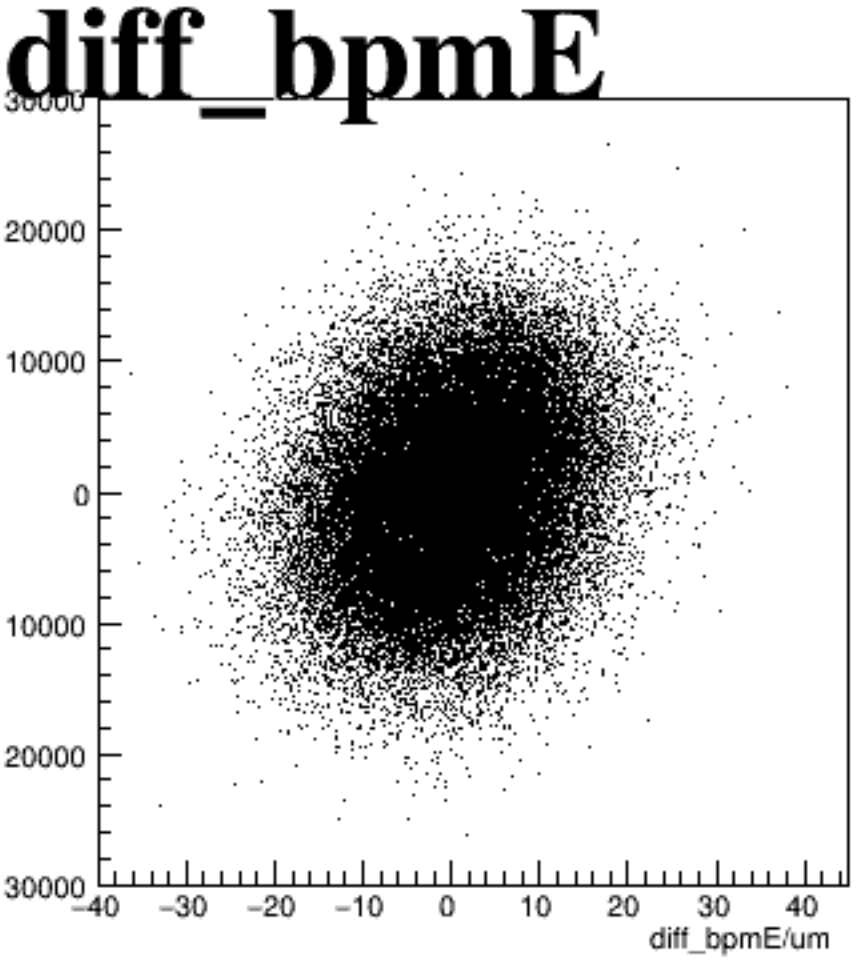
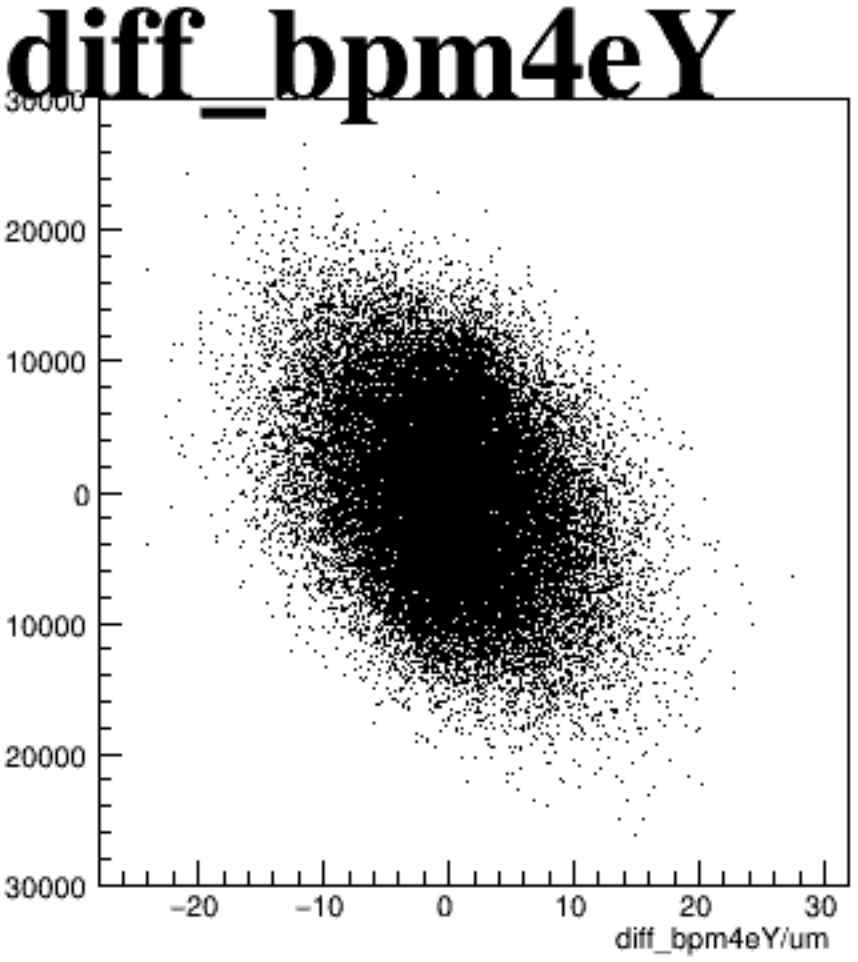
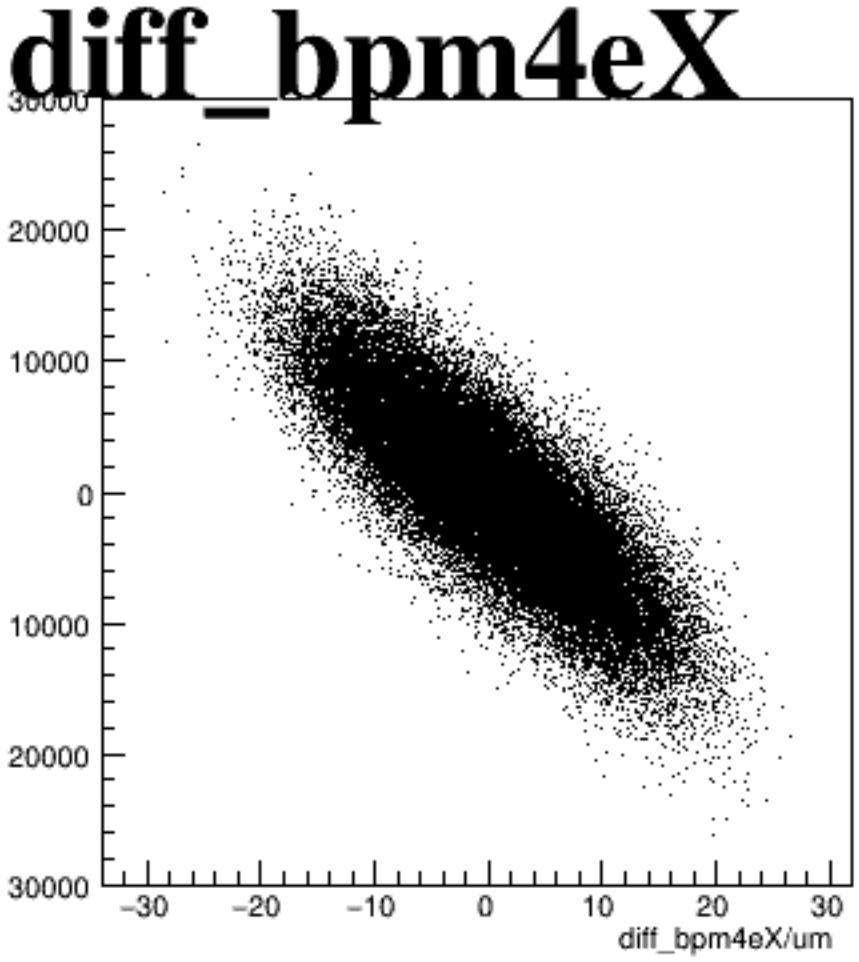
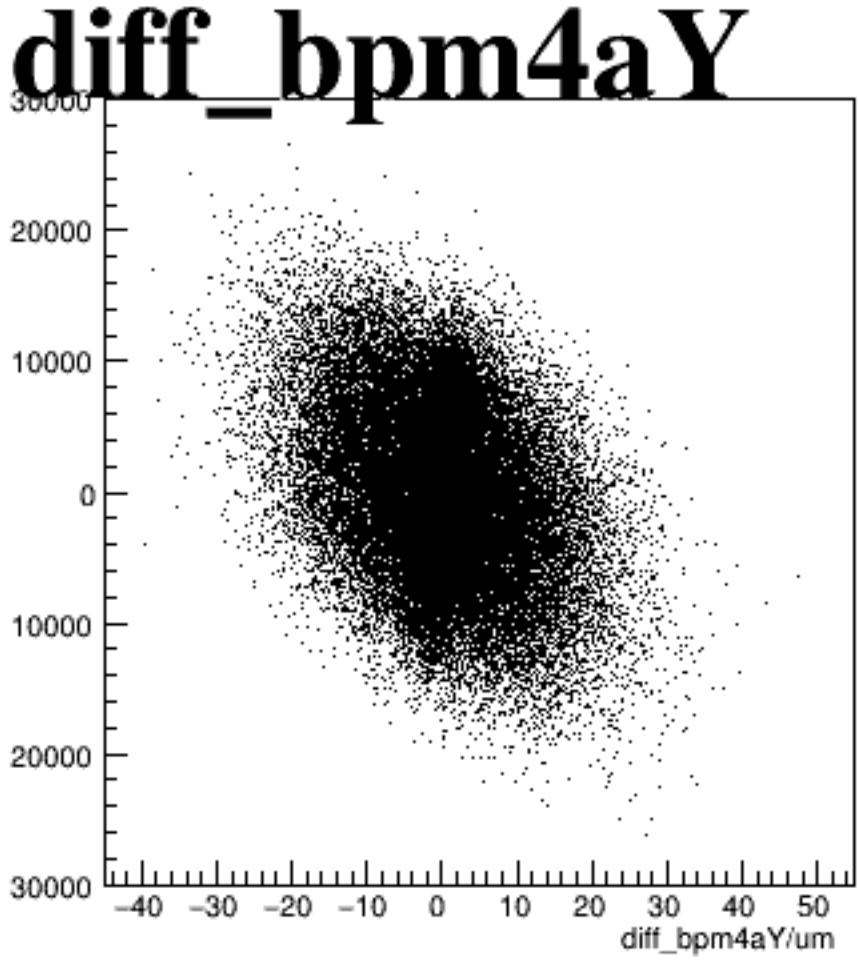
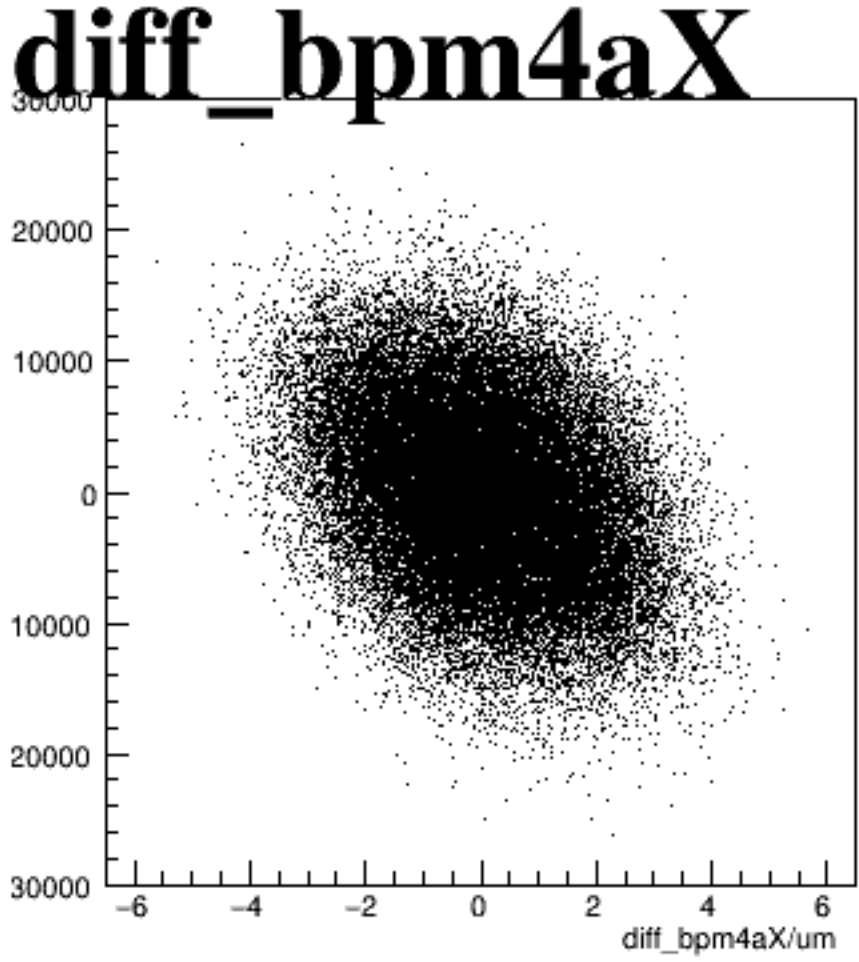
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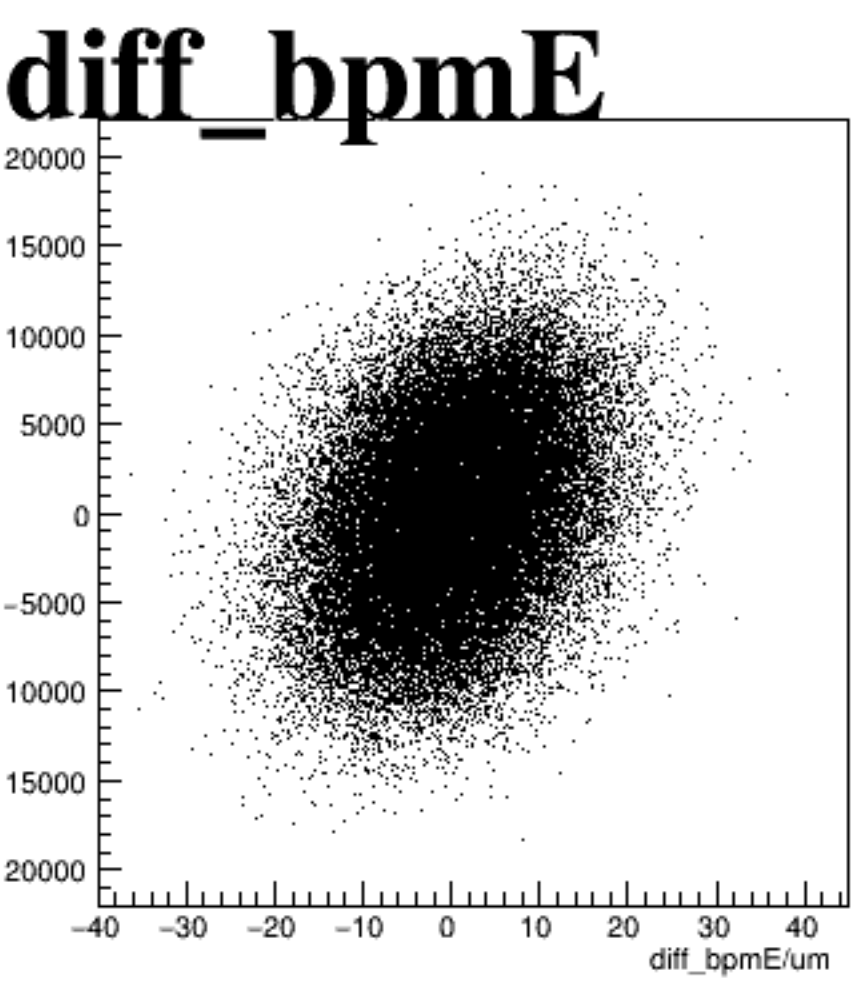
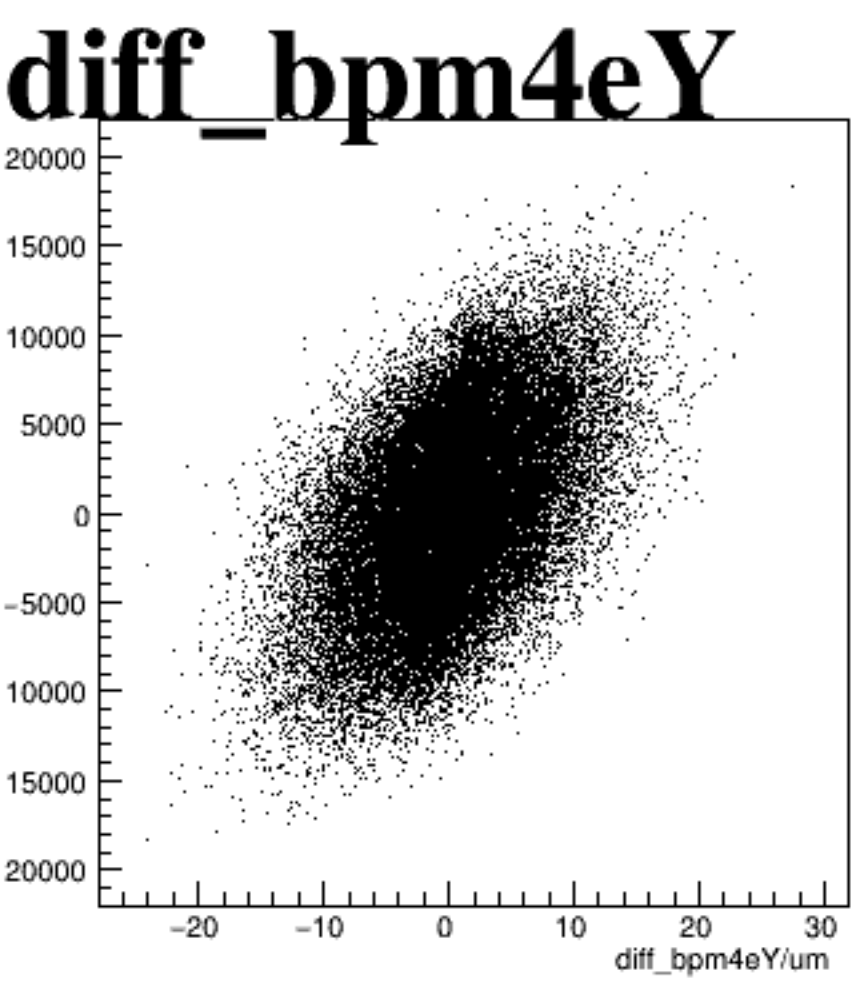
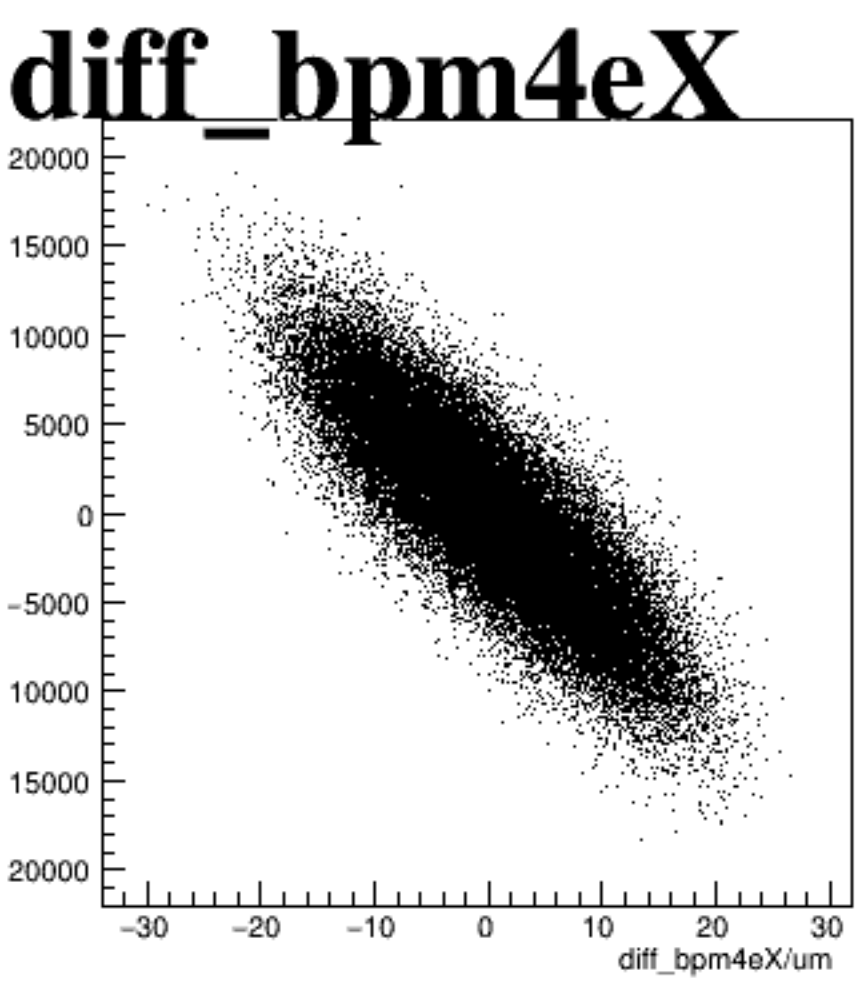
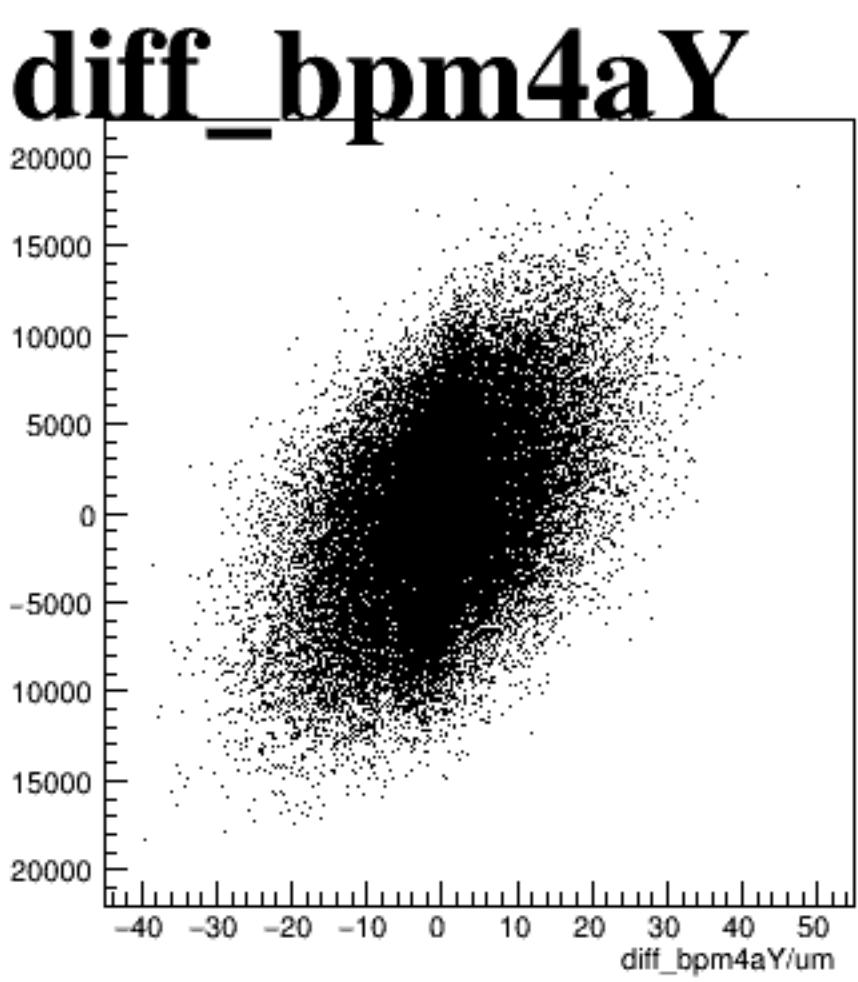
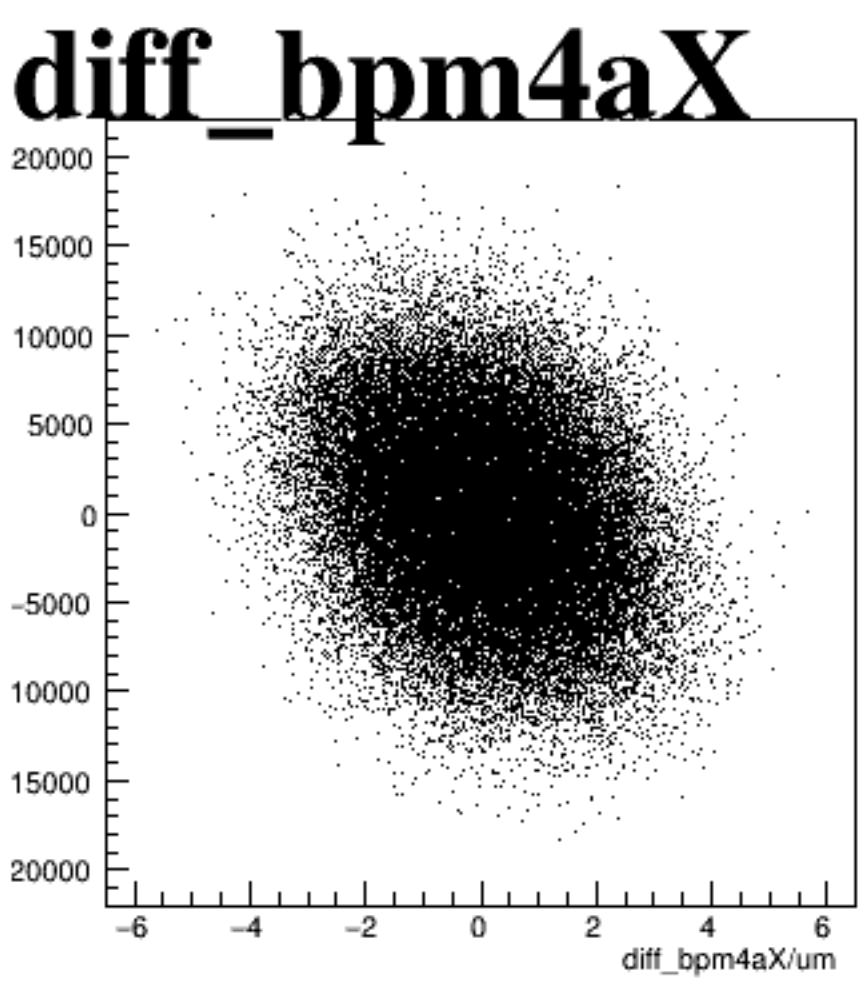
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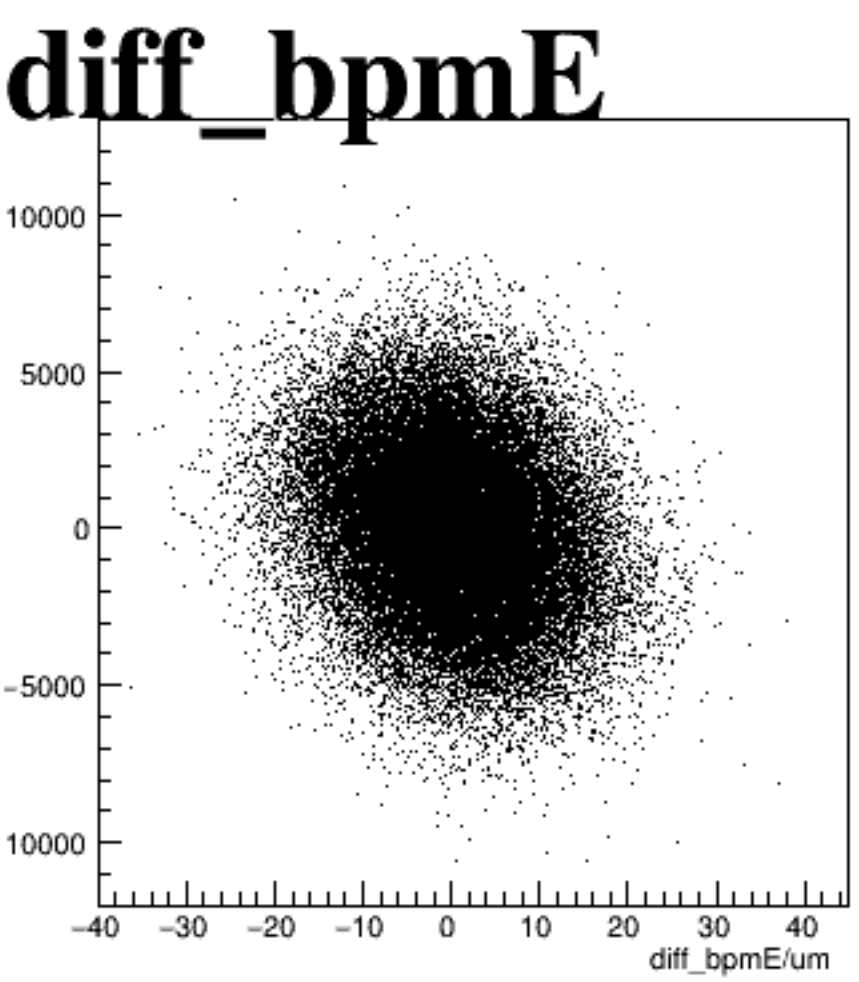
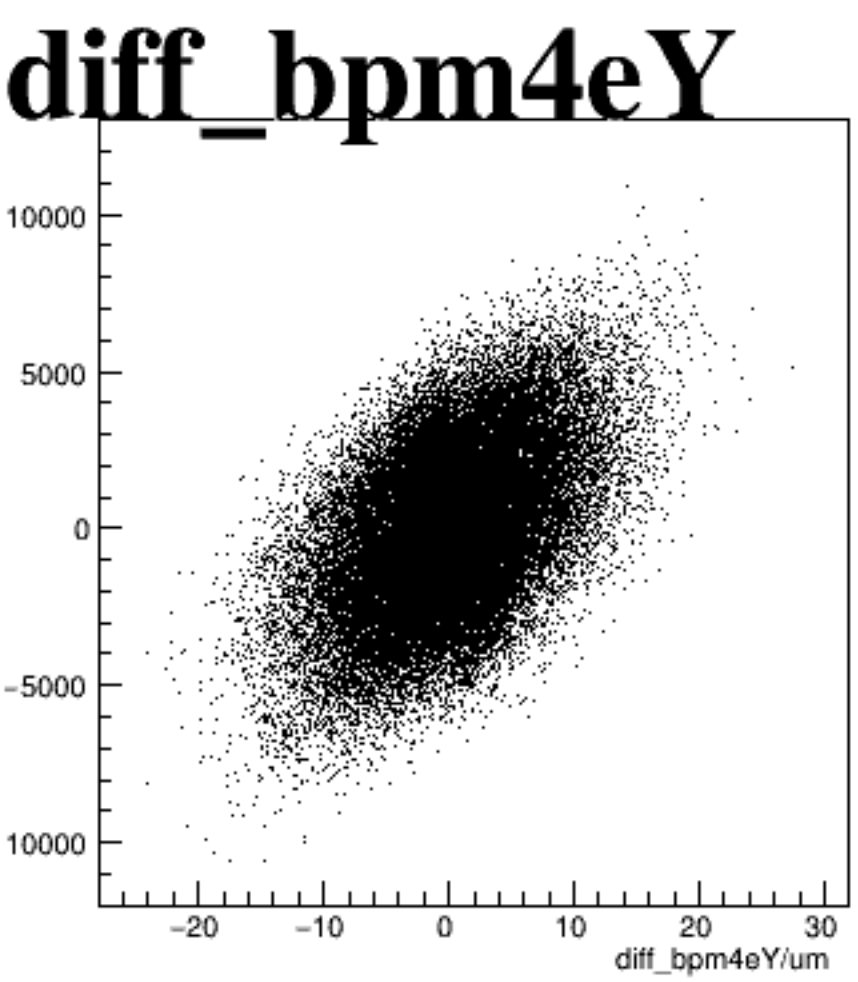
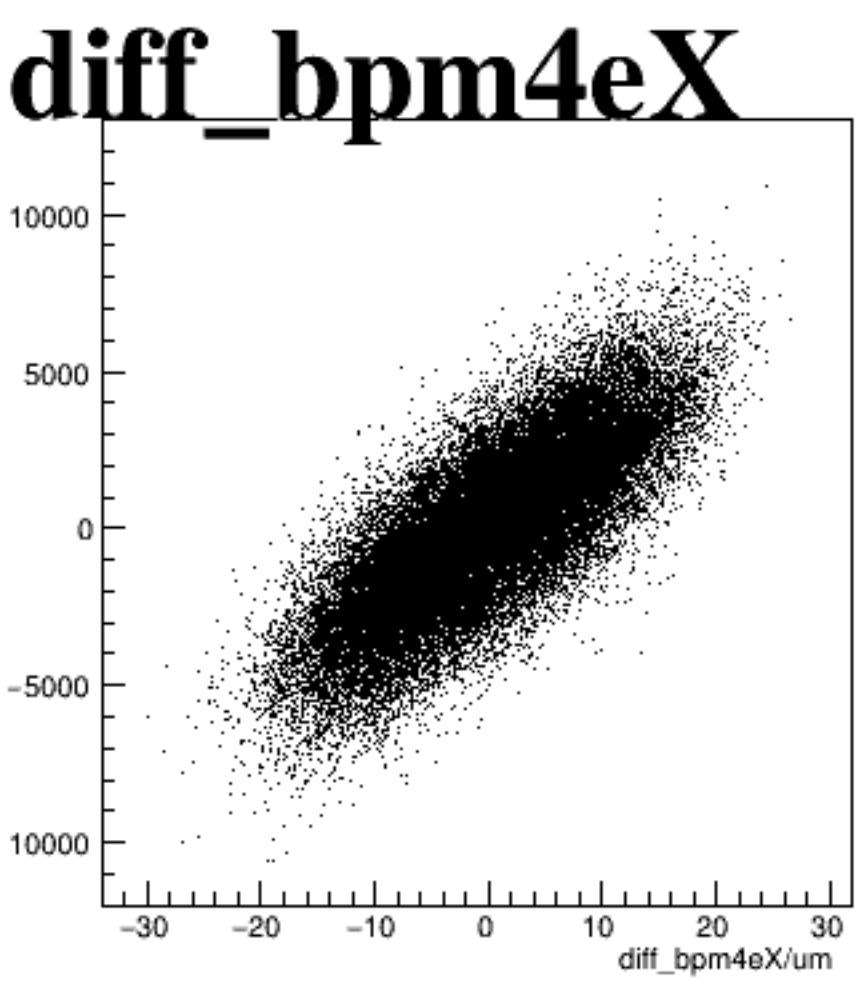
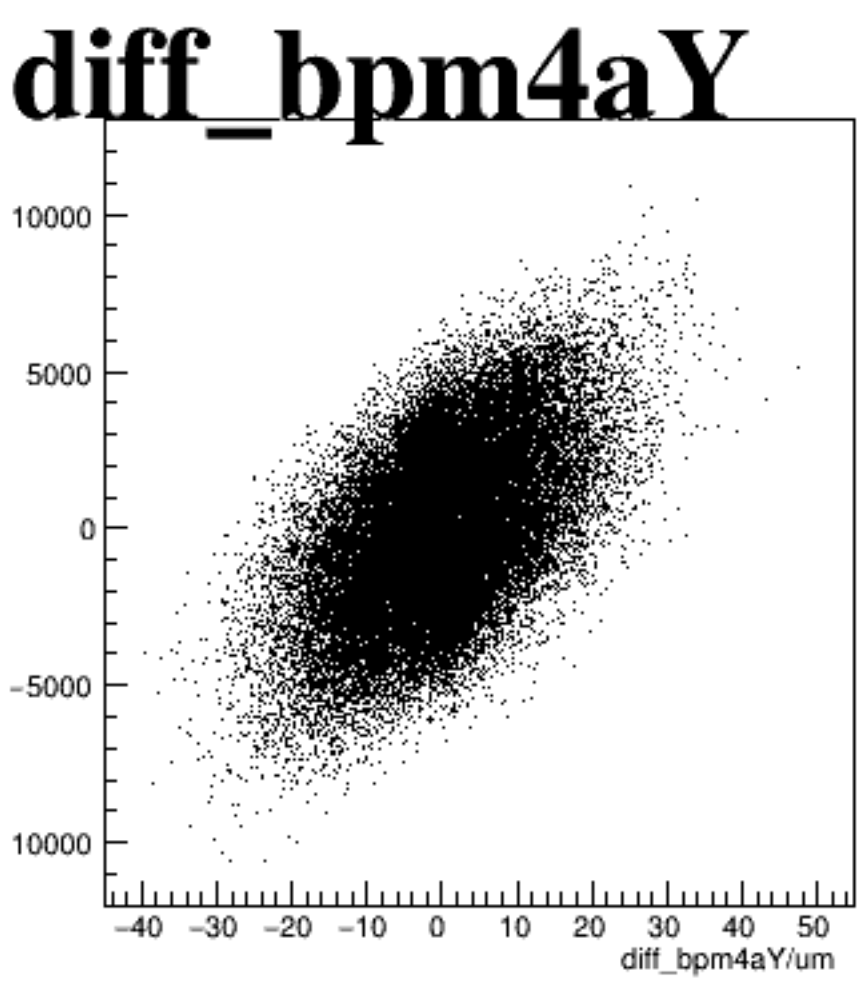
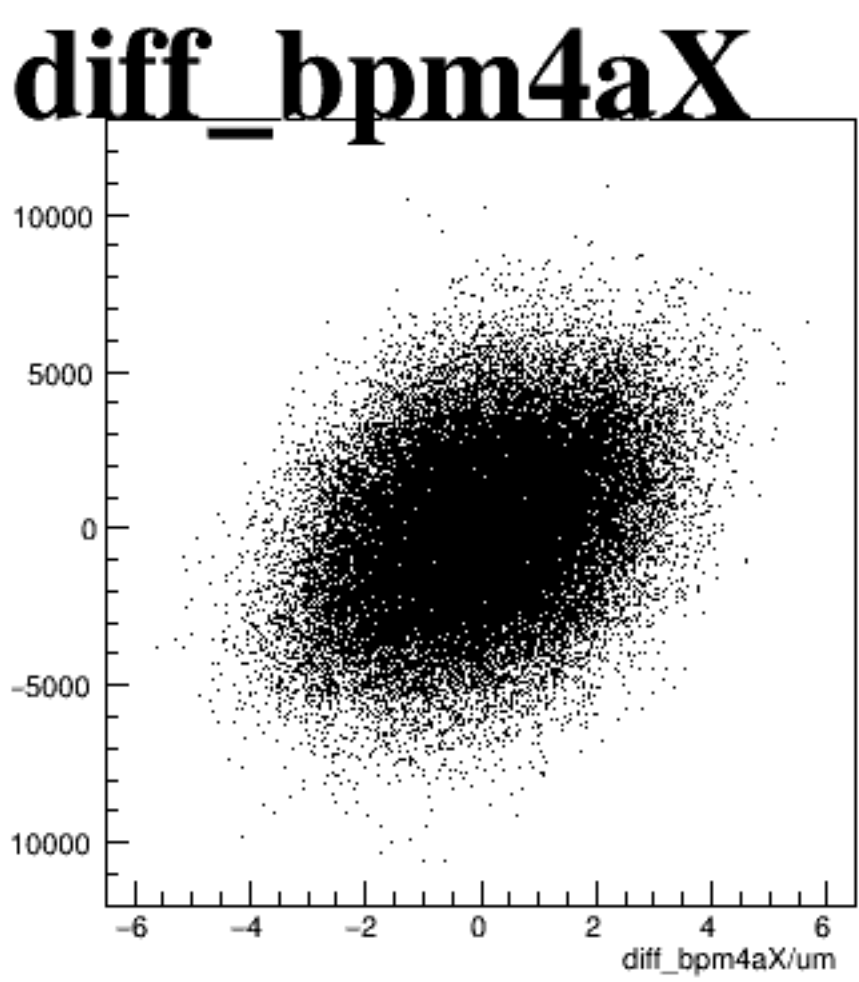
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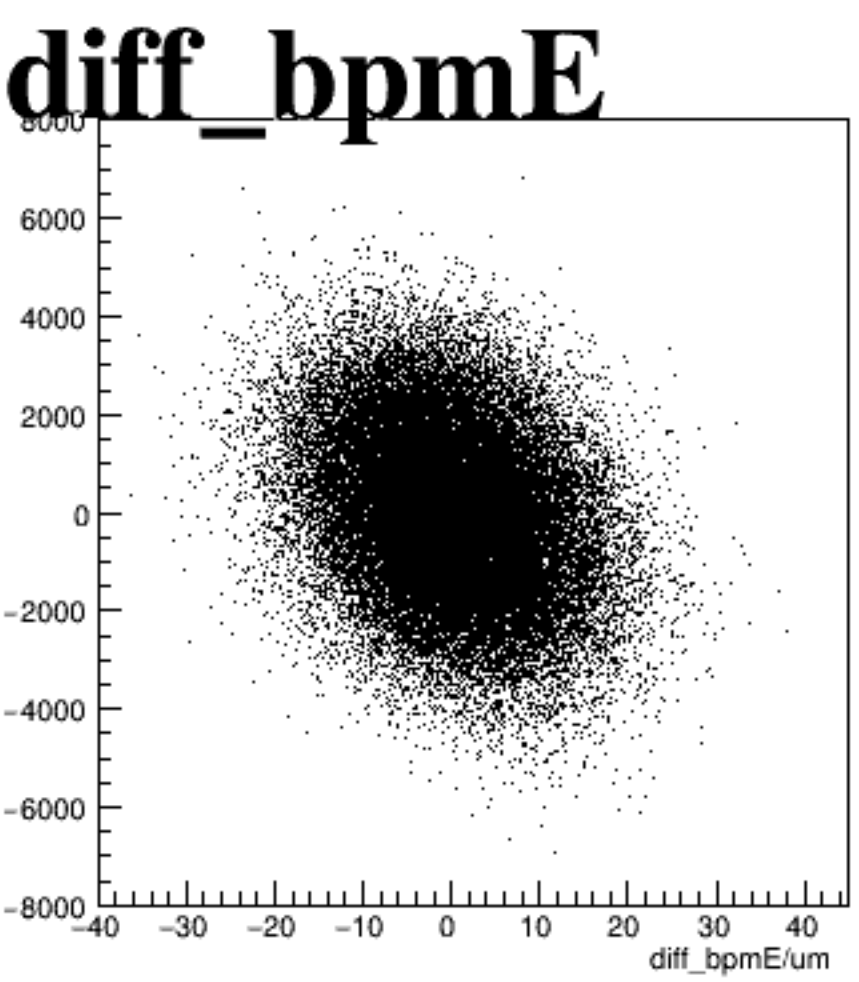
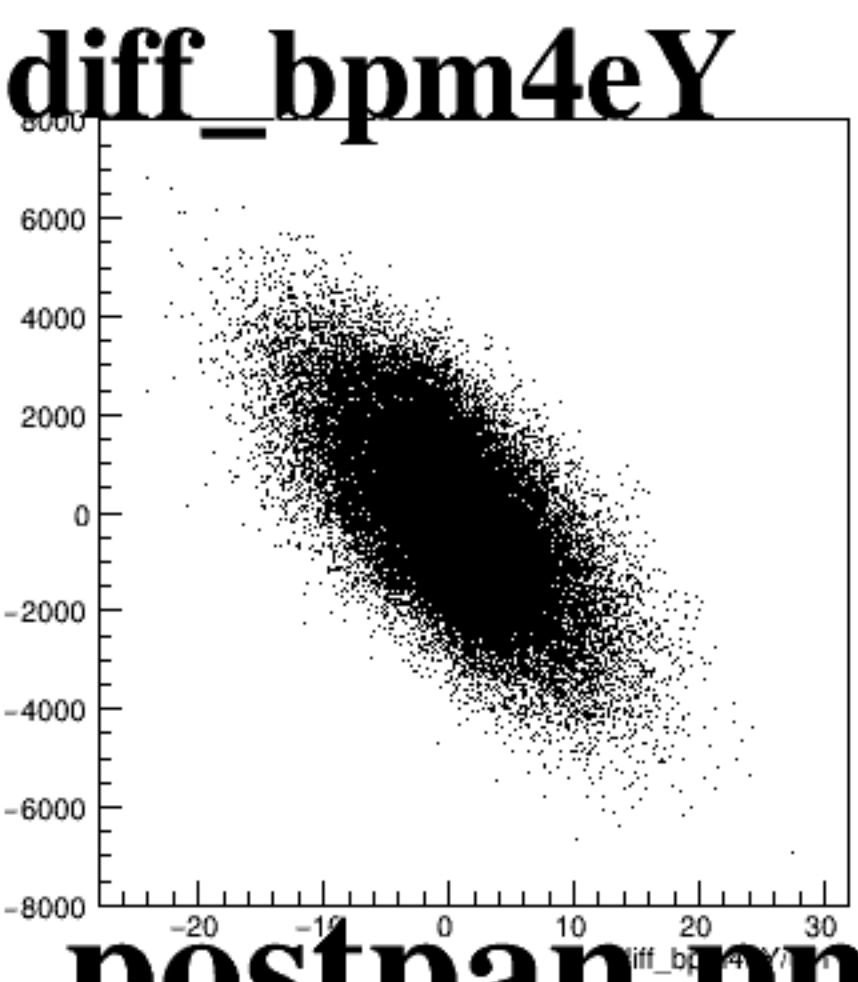
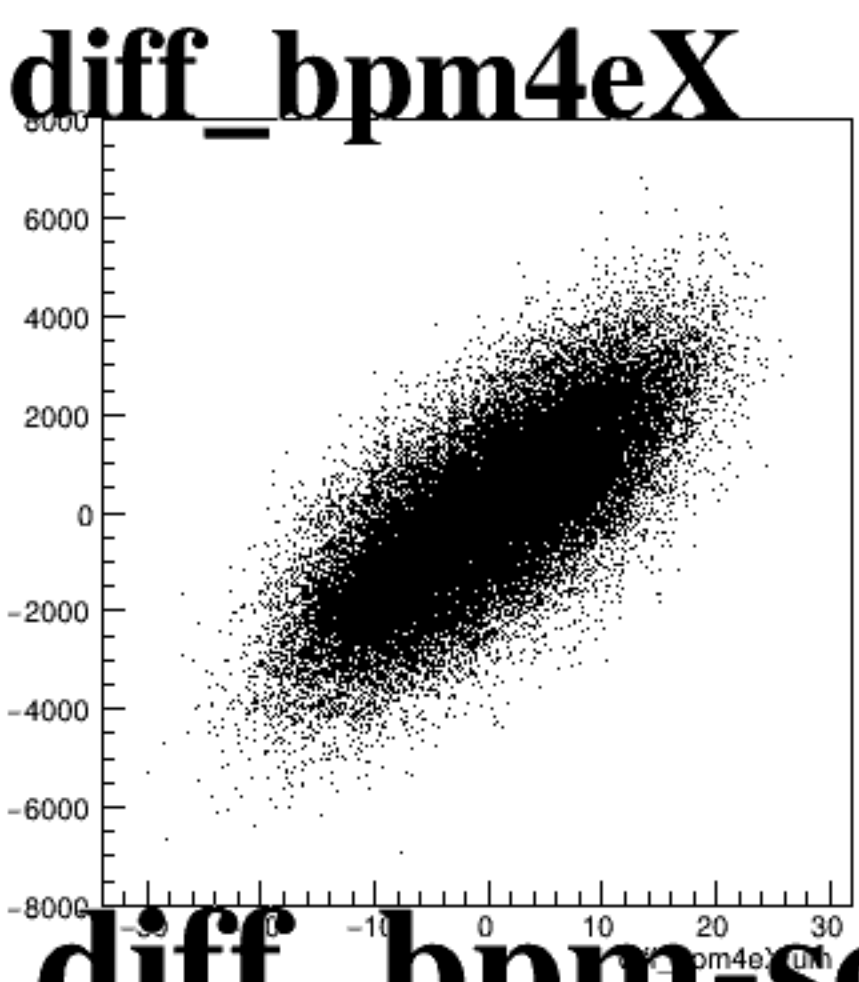
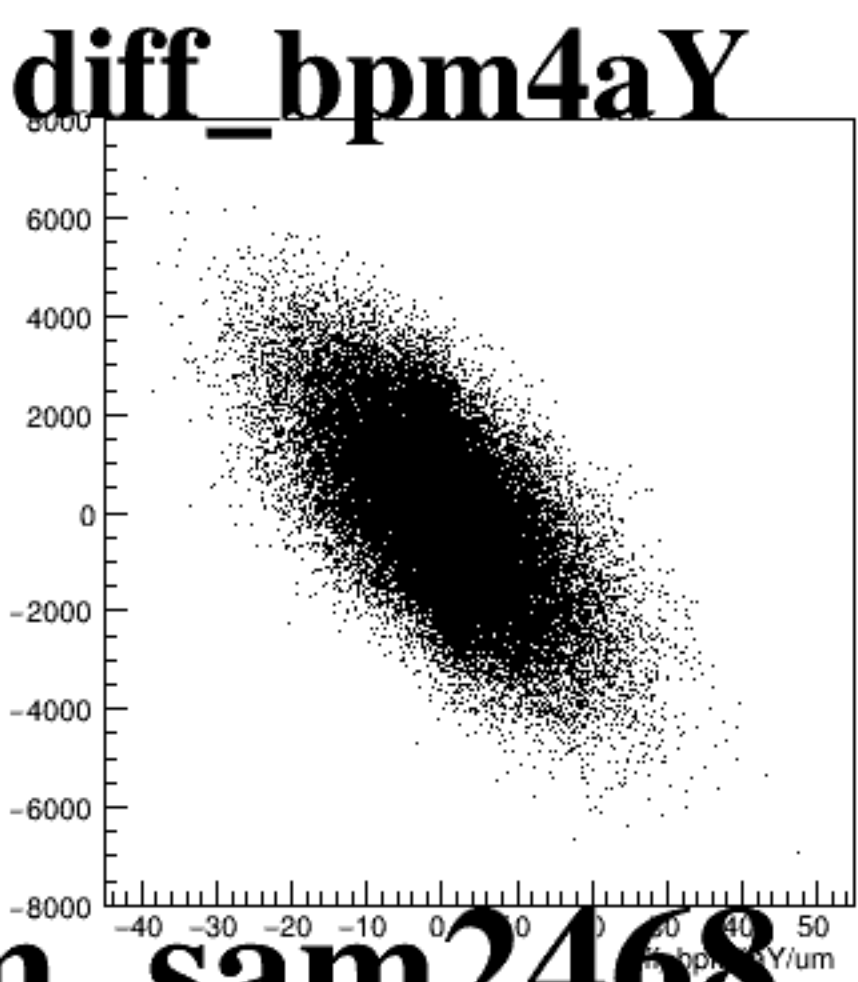
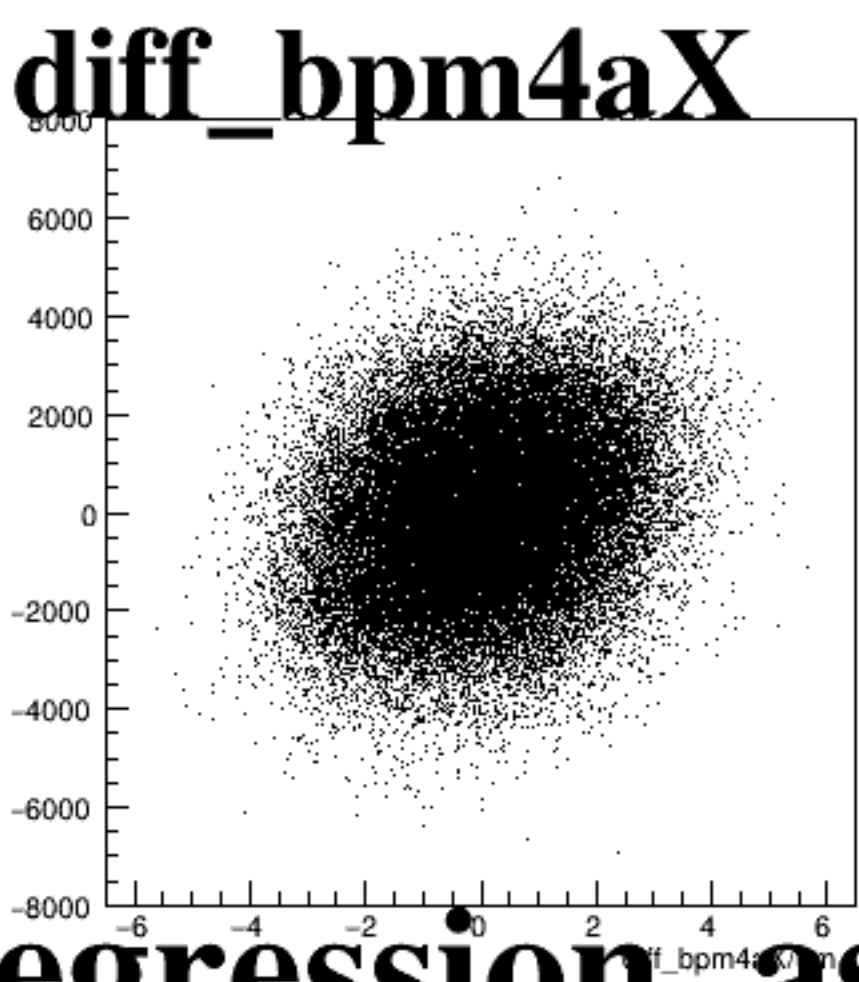
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asym_sam6

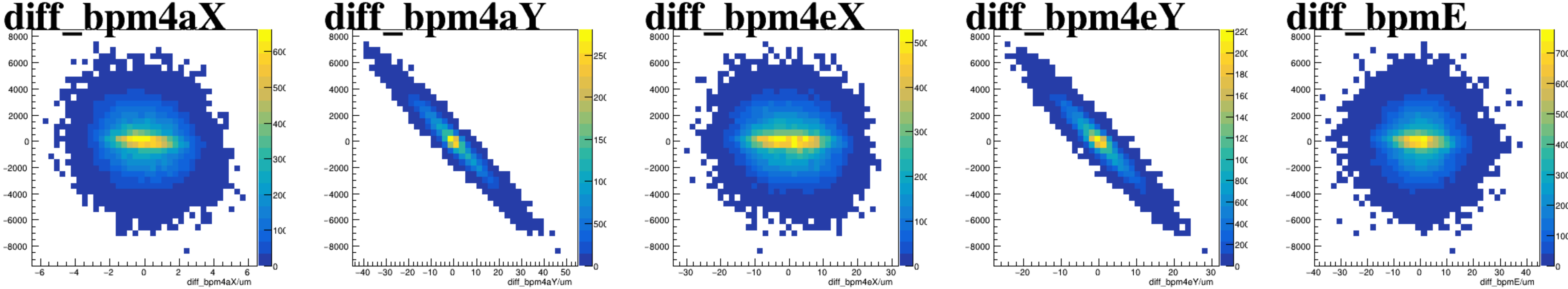


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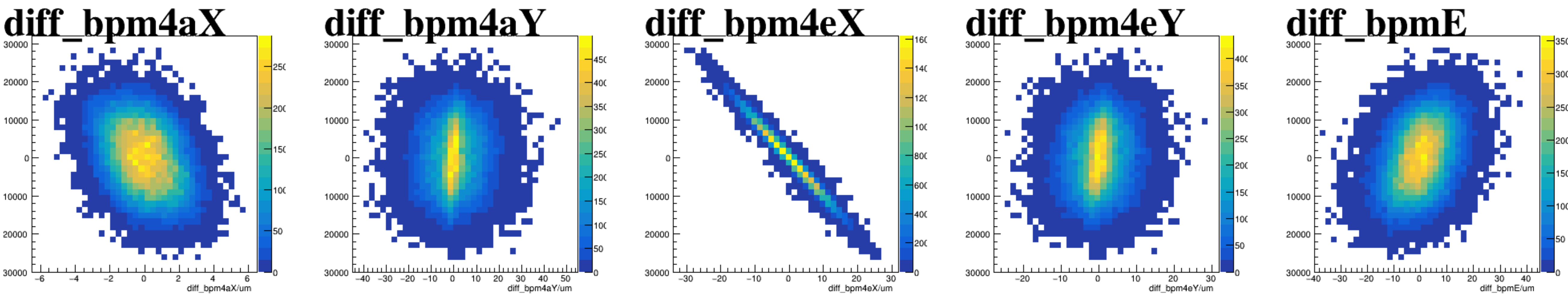


The figure consists of five scatter plots arranged horizontally, each showing the distribution of differences in BPM parameters for four different beam parameters. The plots are titled **diff_bpm4aX**, **diff_bpm4aY**, **diff_bpm4eX**, **diff_bpm4eY**, and **diff_bpmE**. Each plot has a y-axis ranging from -2000 to 2000 and an x-axis ranging from -6 to 6, -40 to 50, -30 to 30, -20 to 30, 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.

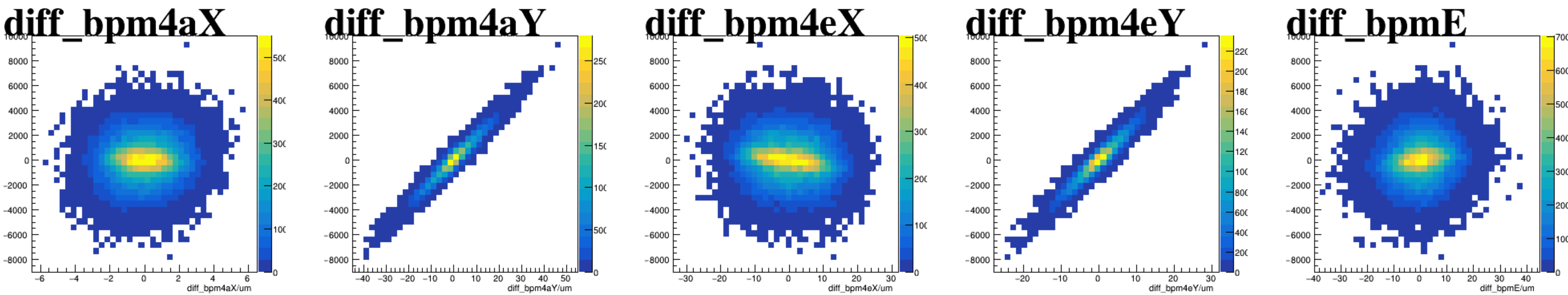
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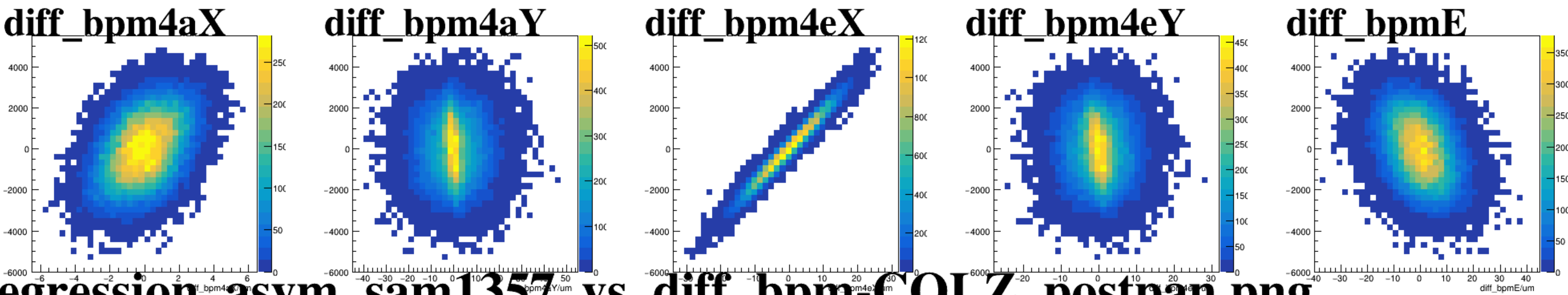
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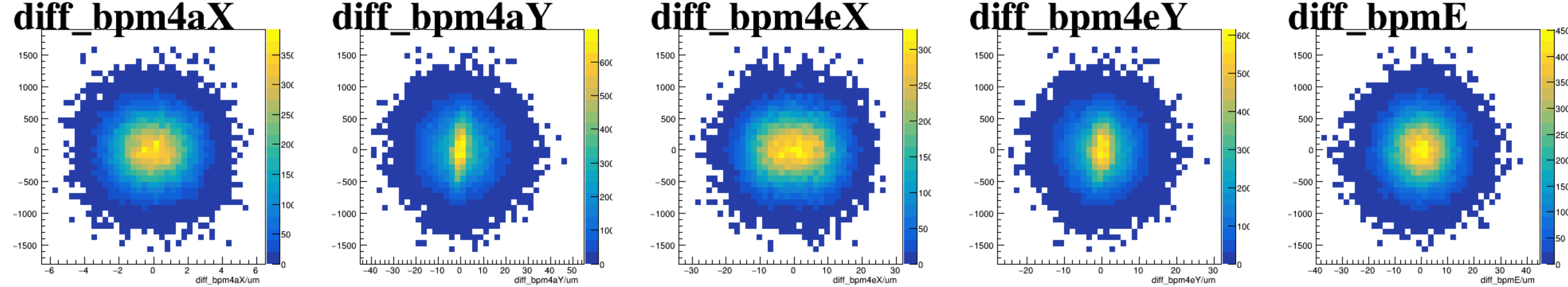
asym_sam5



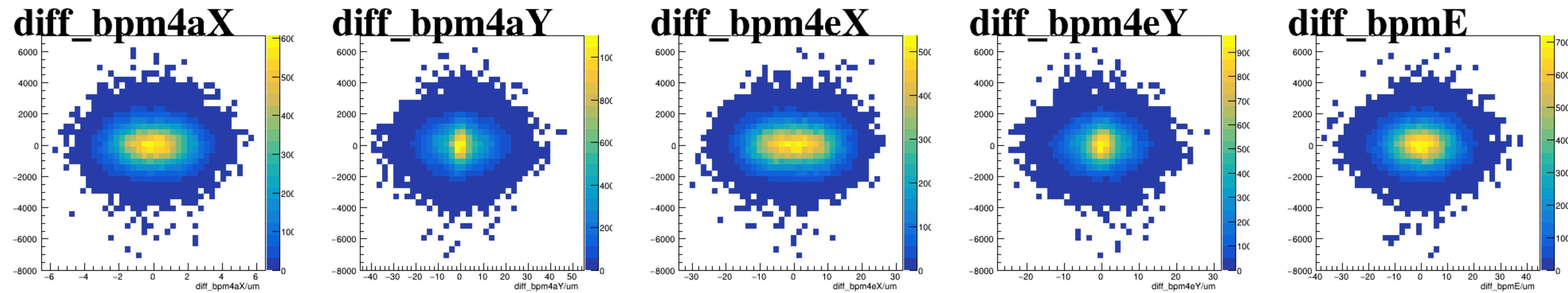
asym_sam7



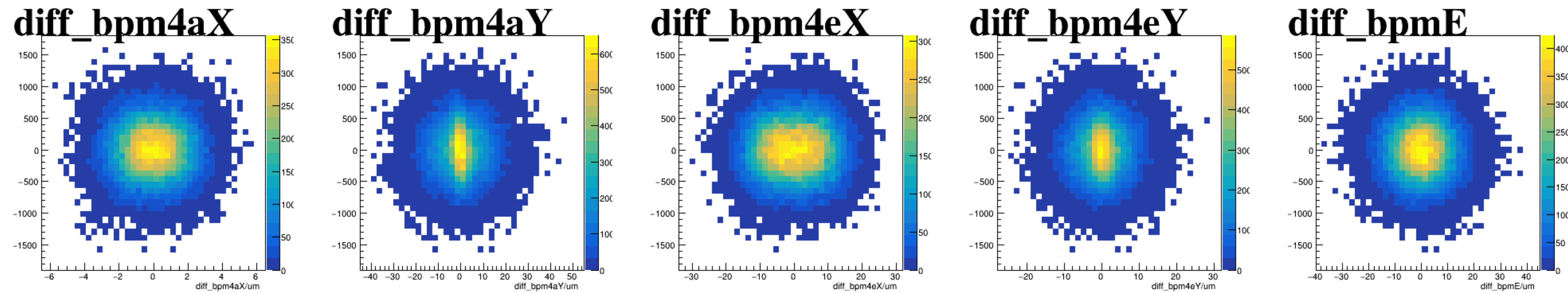
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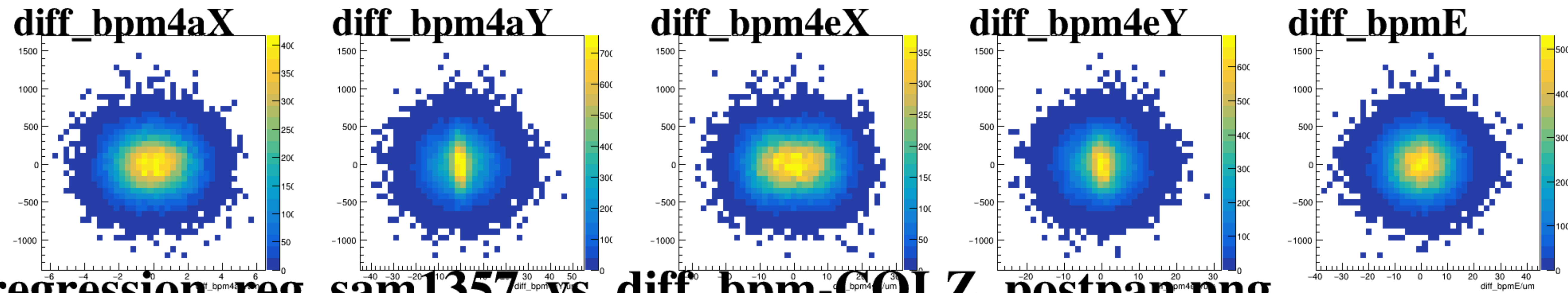
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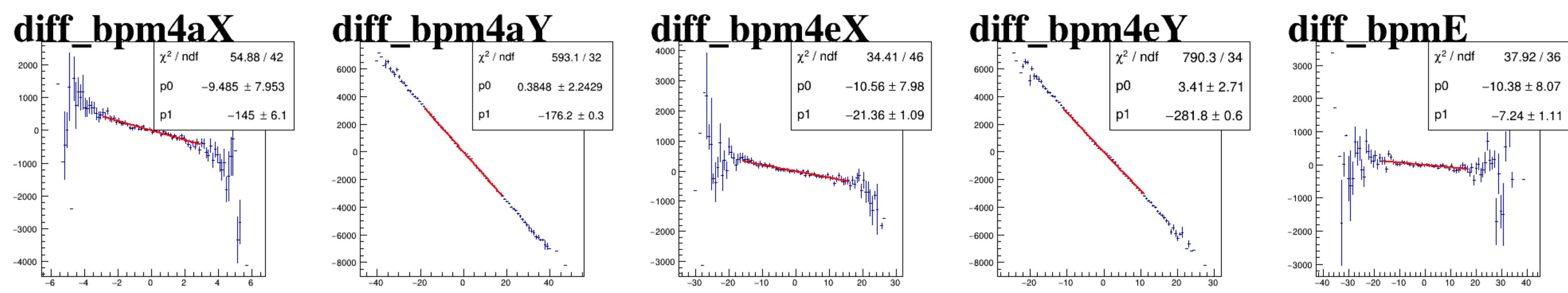
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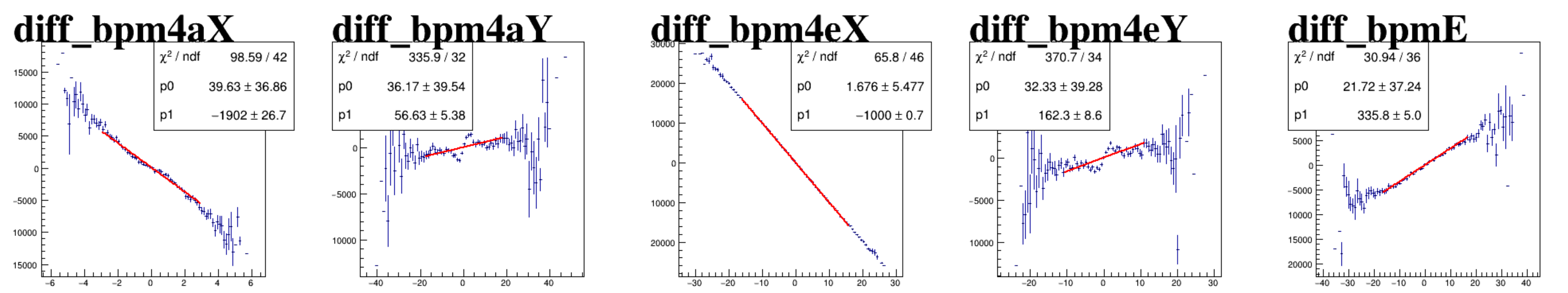
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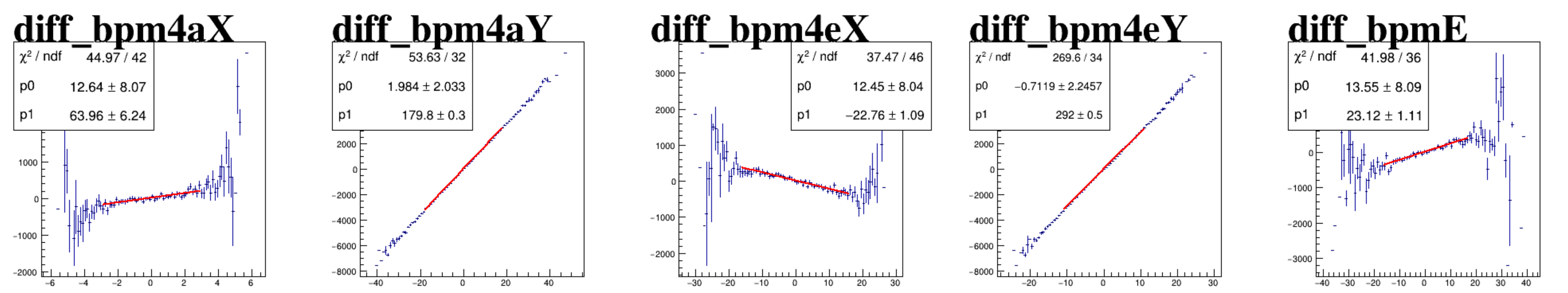
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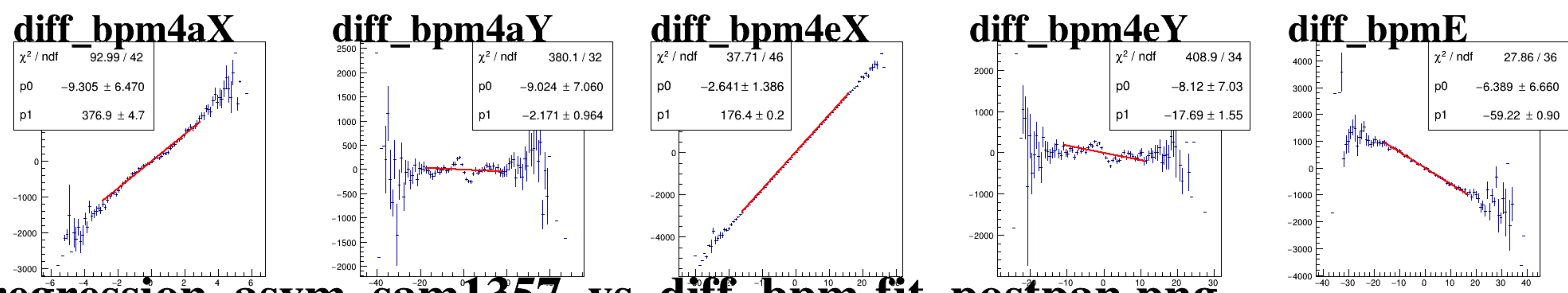
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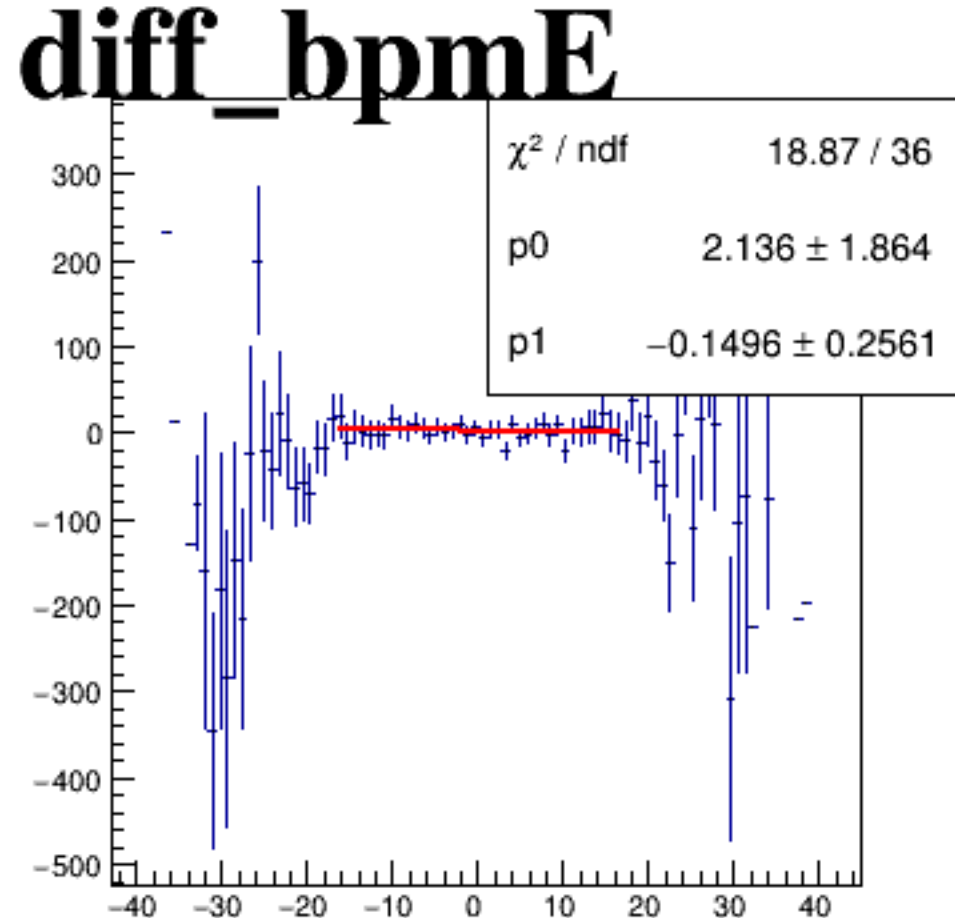
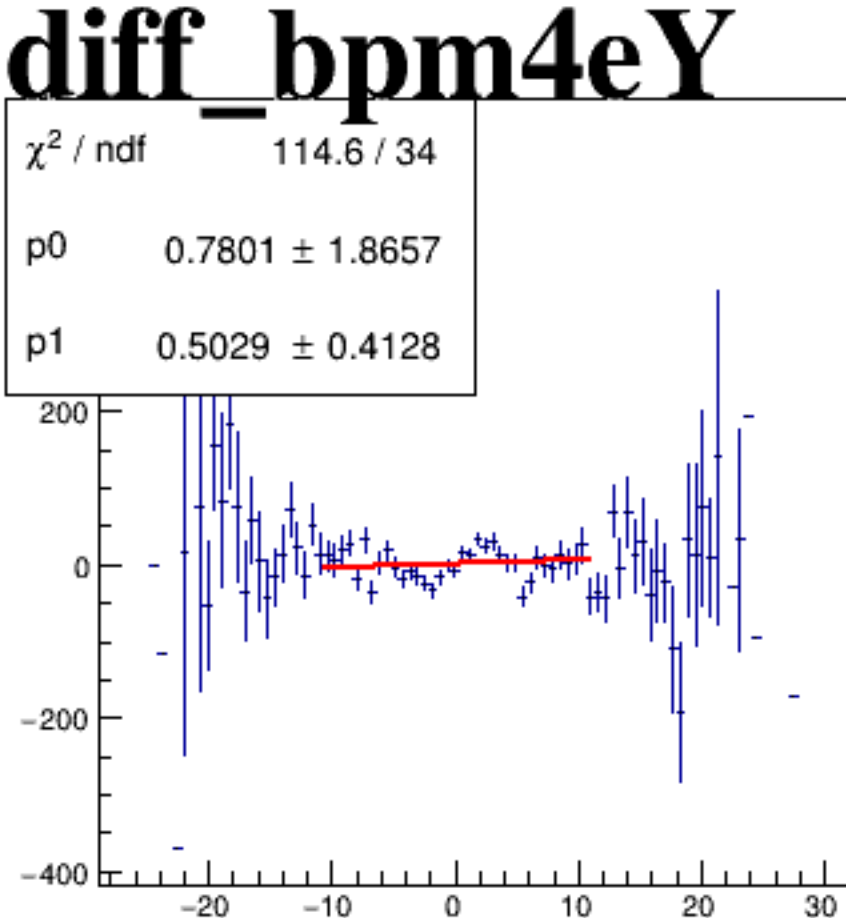
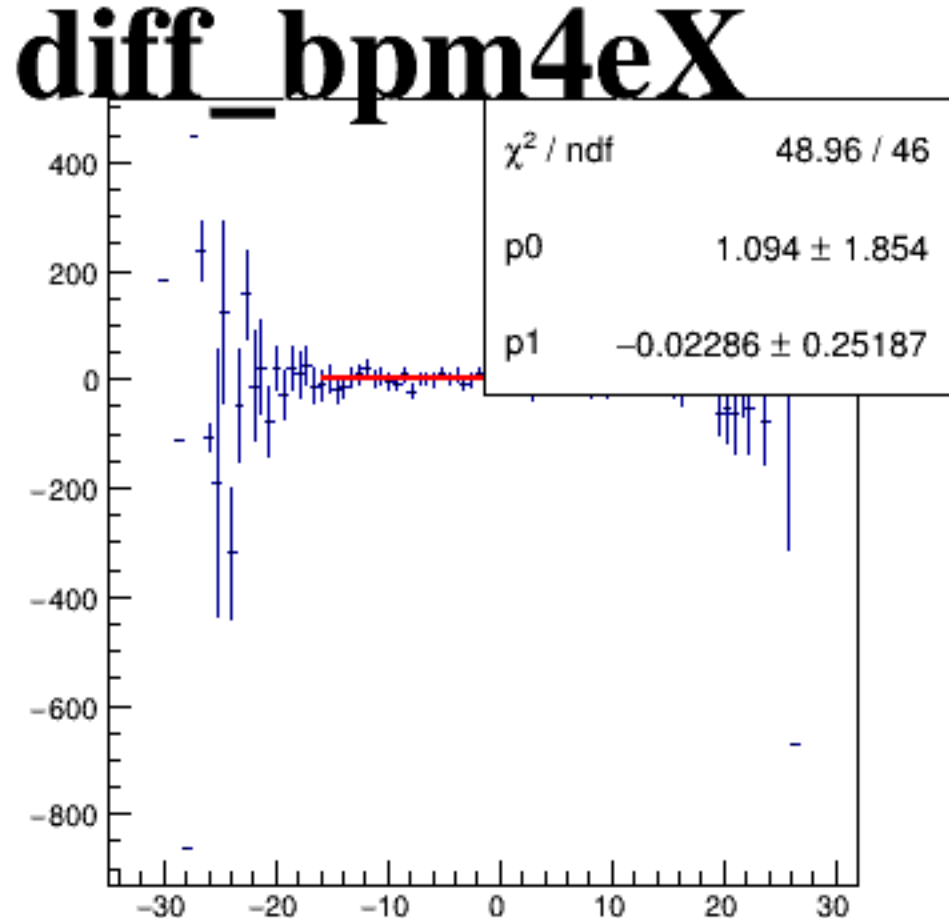
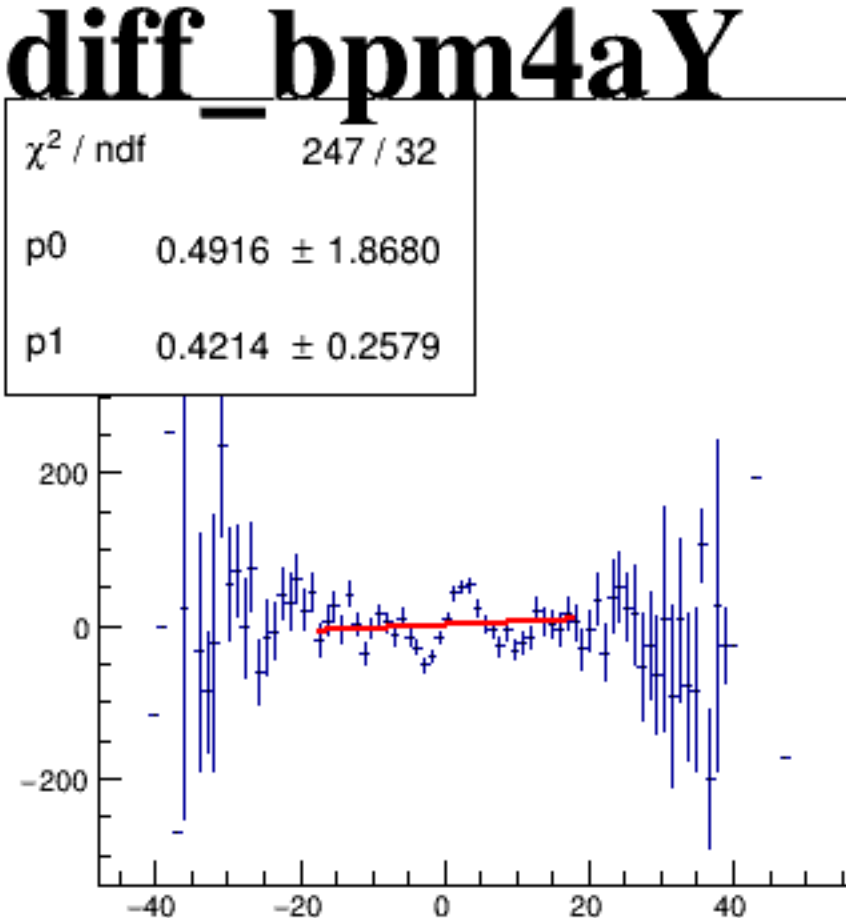
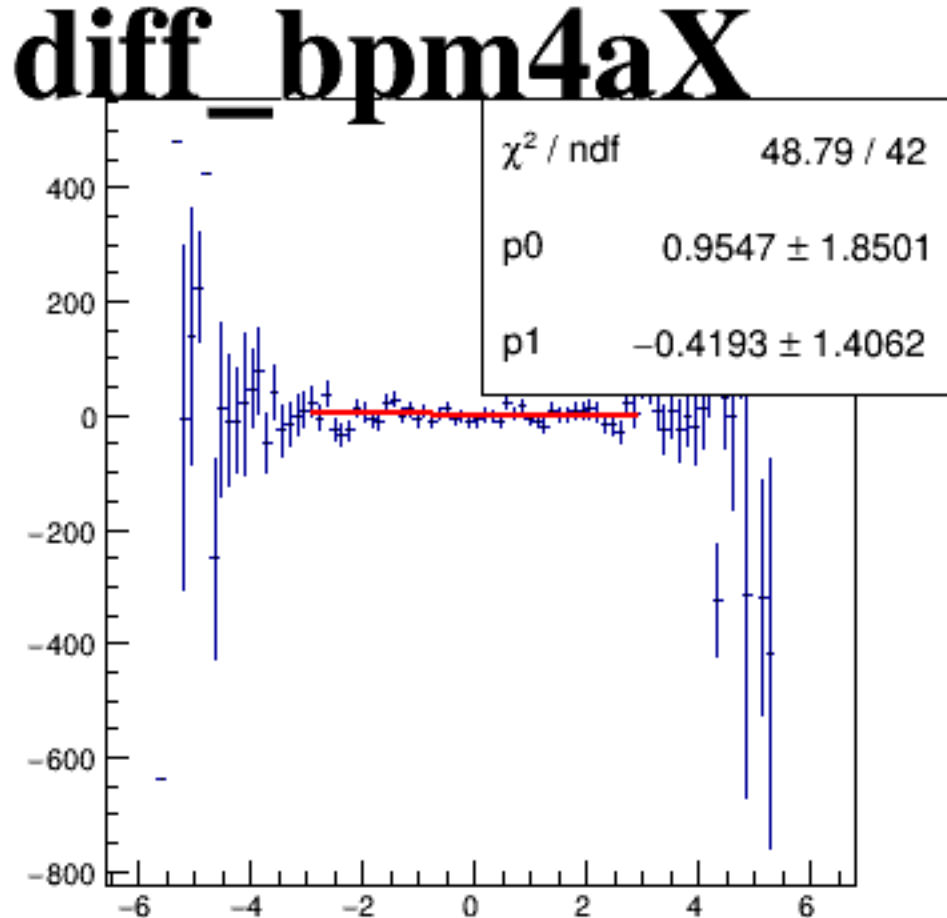
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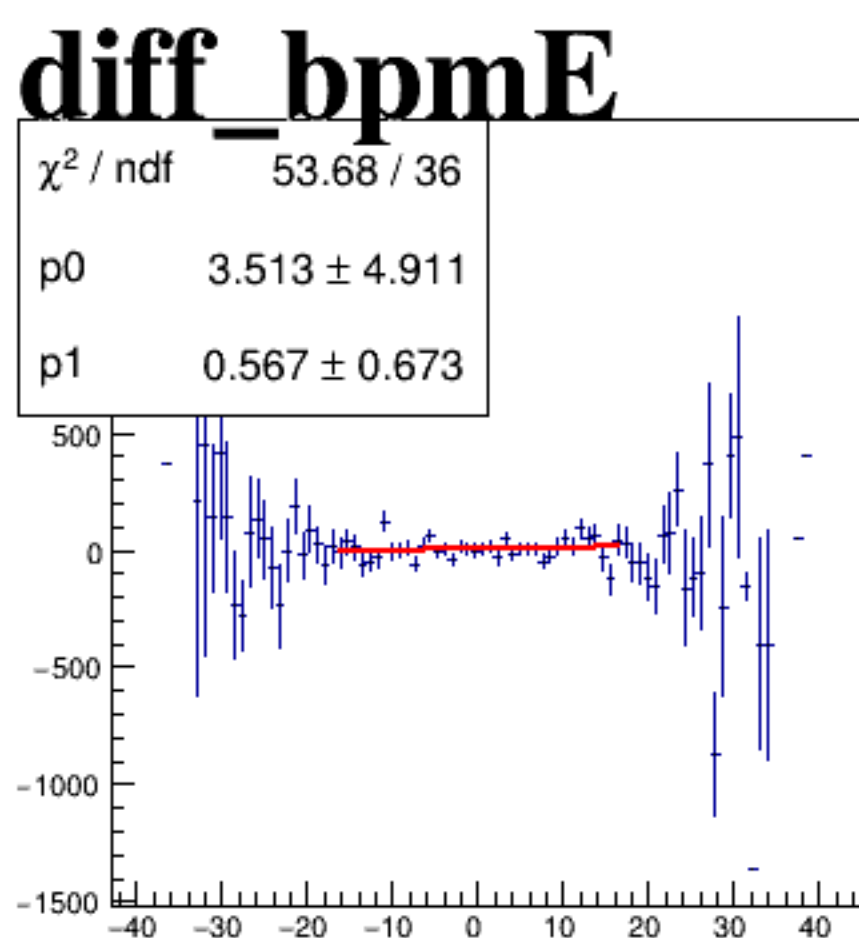
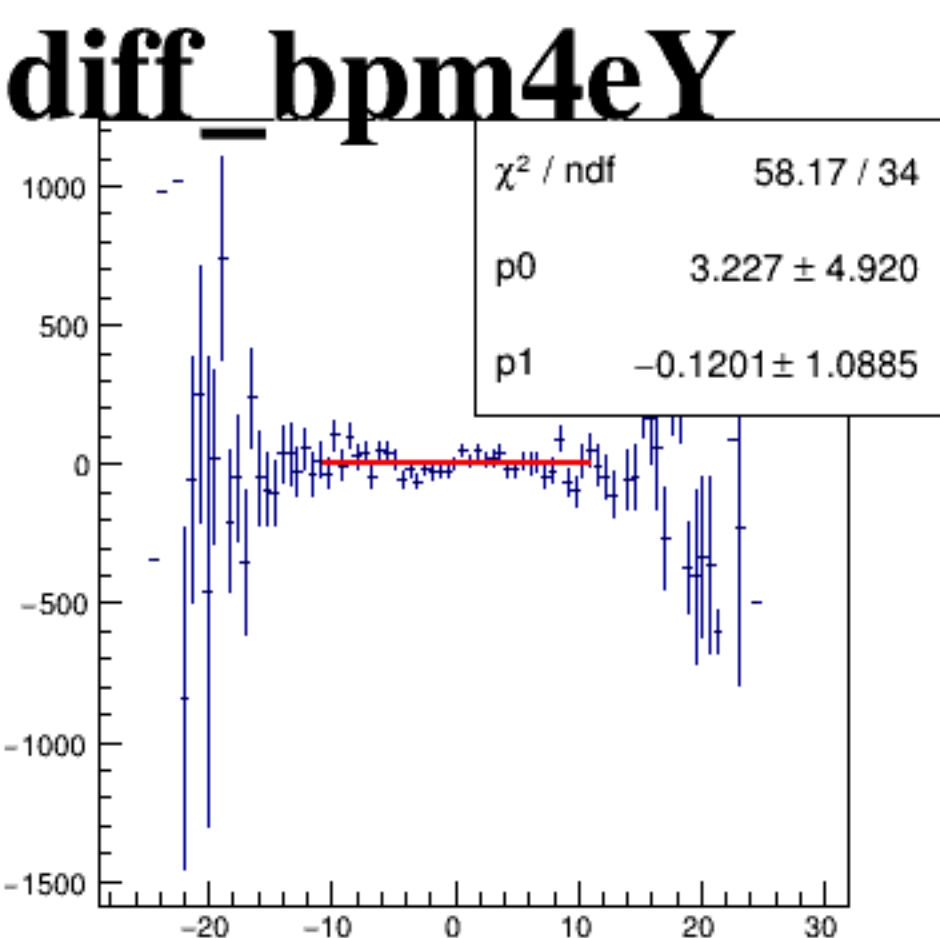
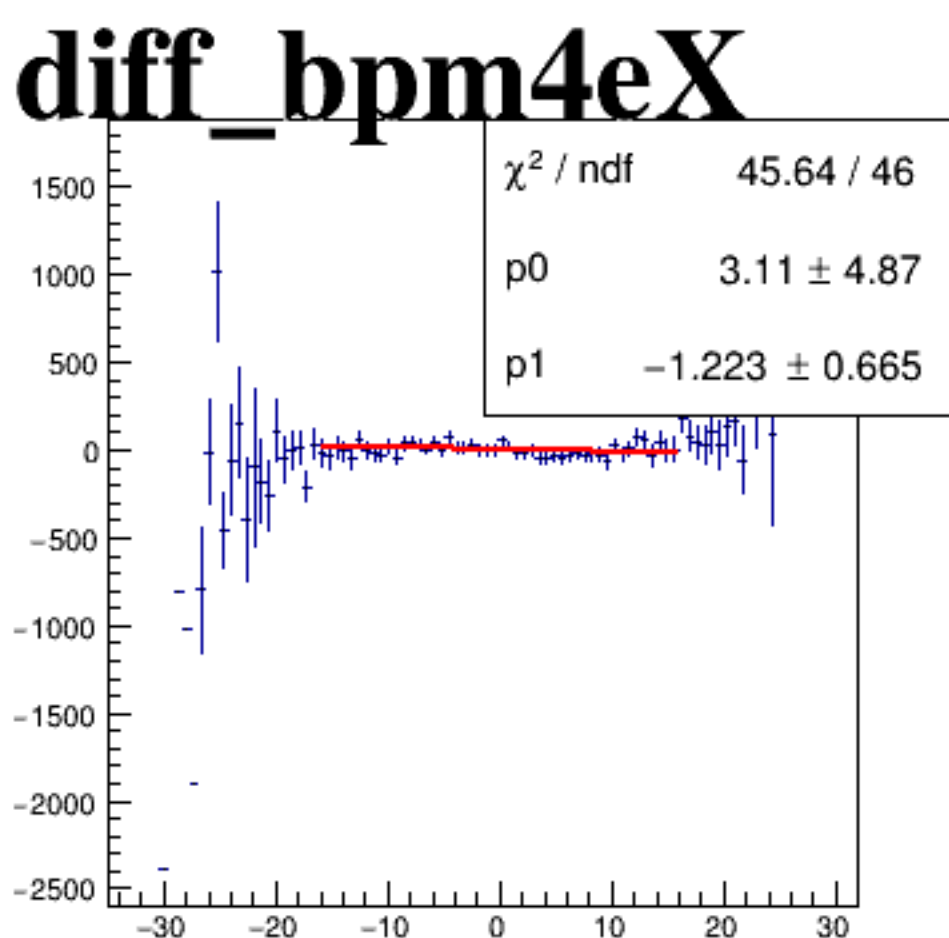
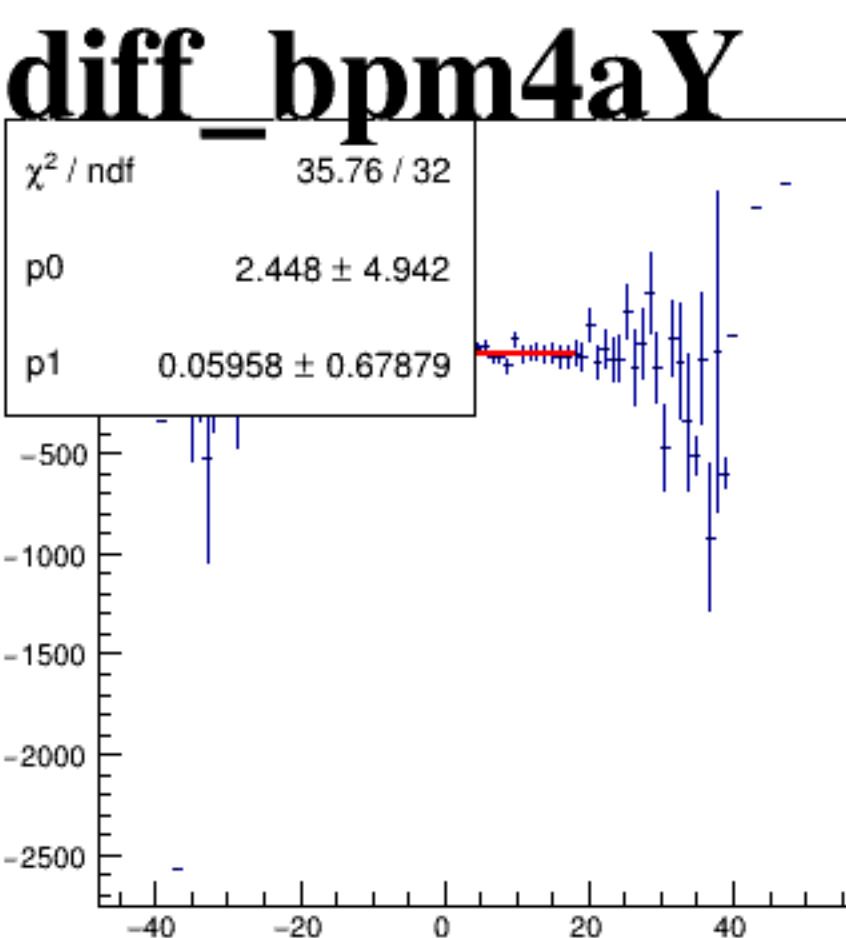
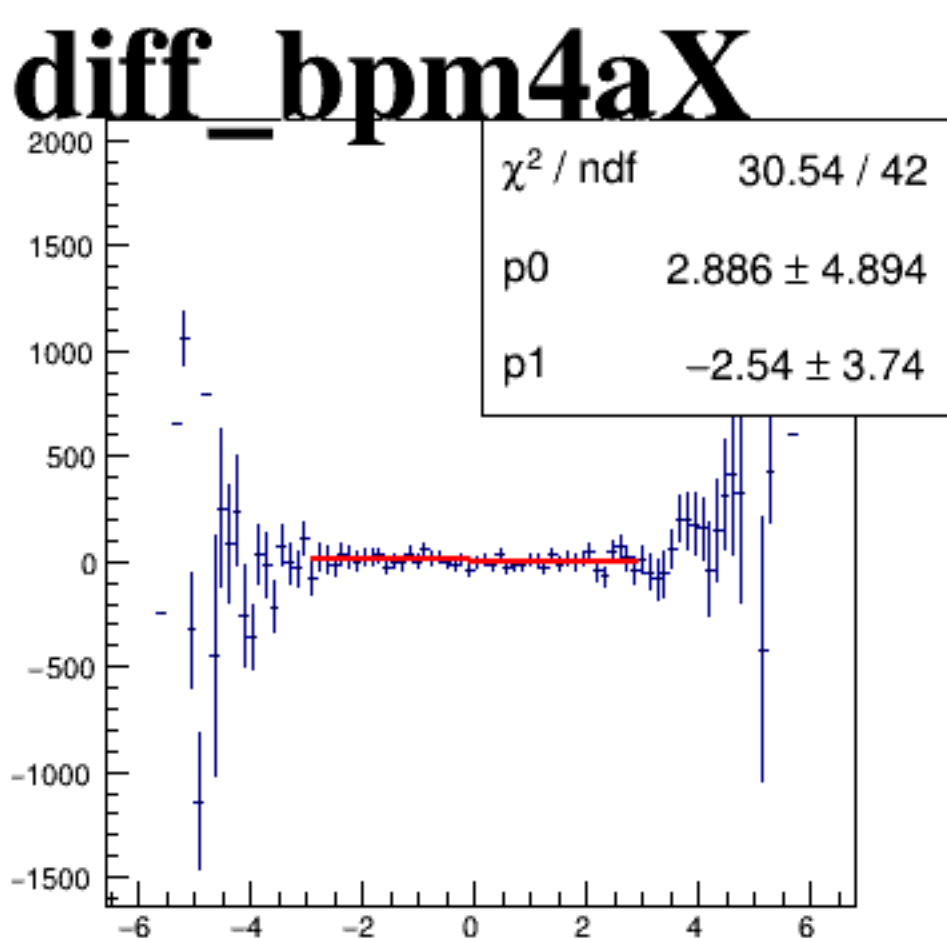
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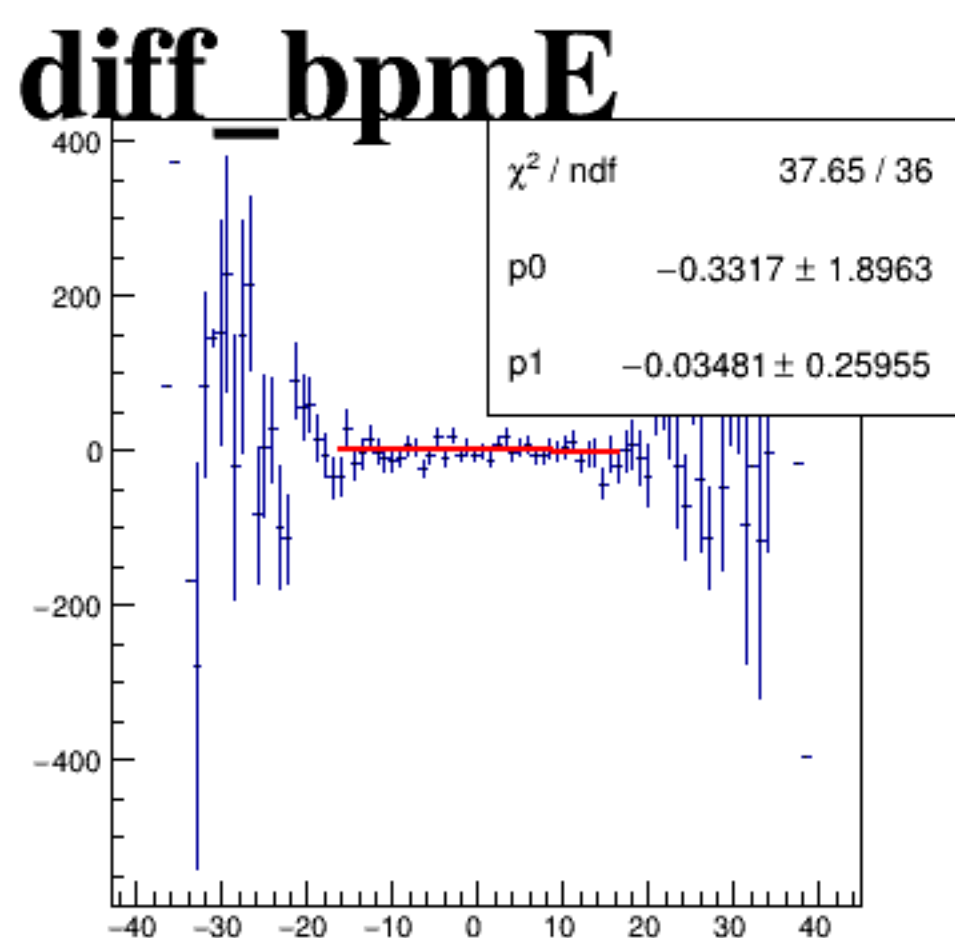
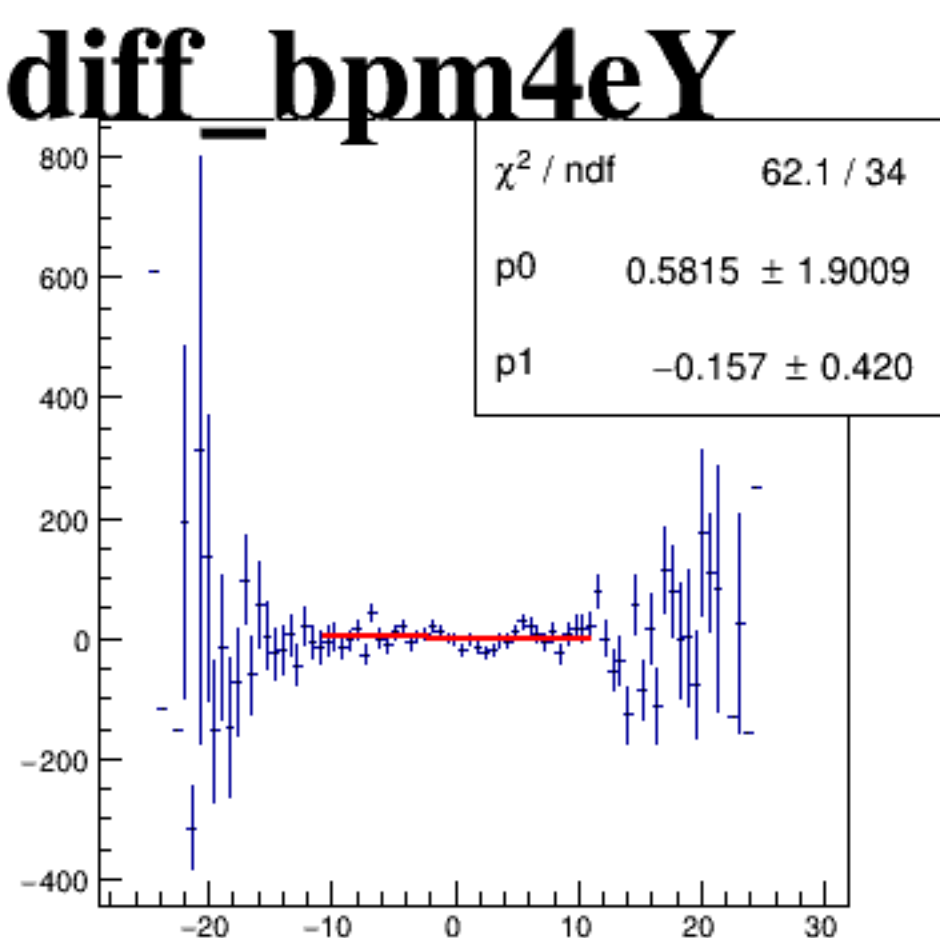
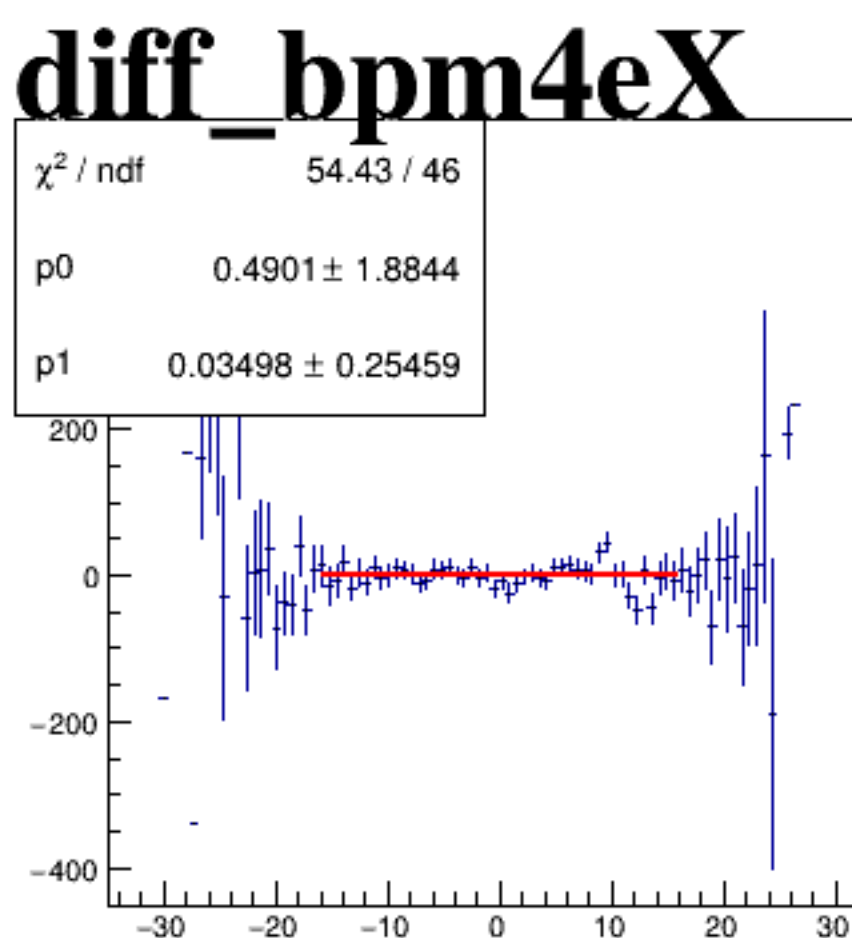
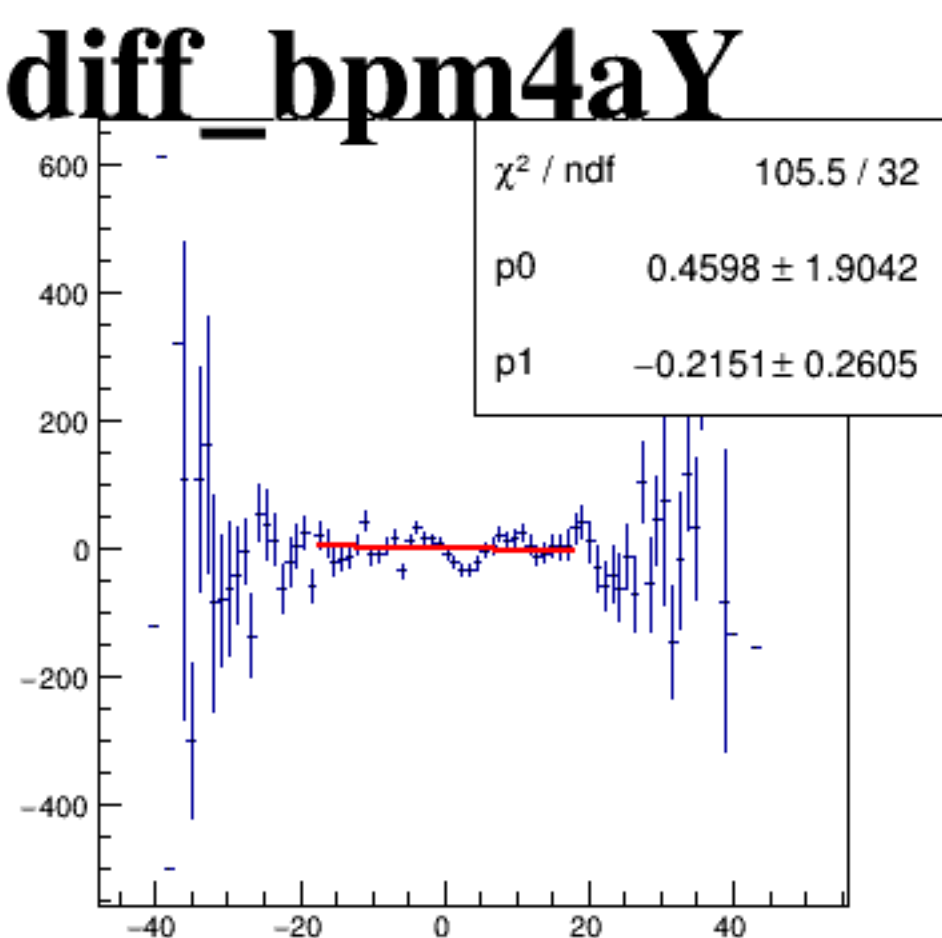
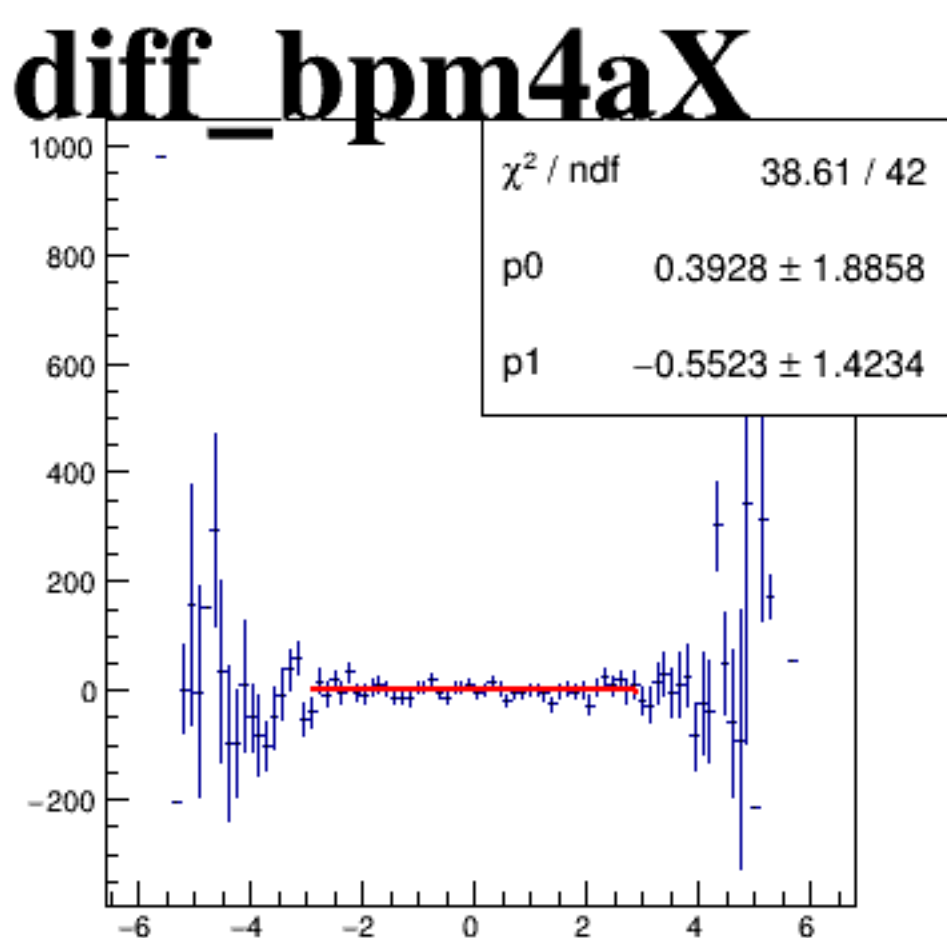
reg_asym_sam1



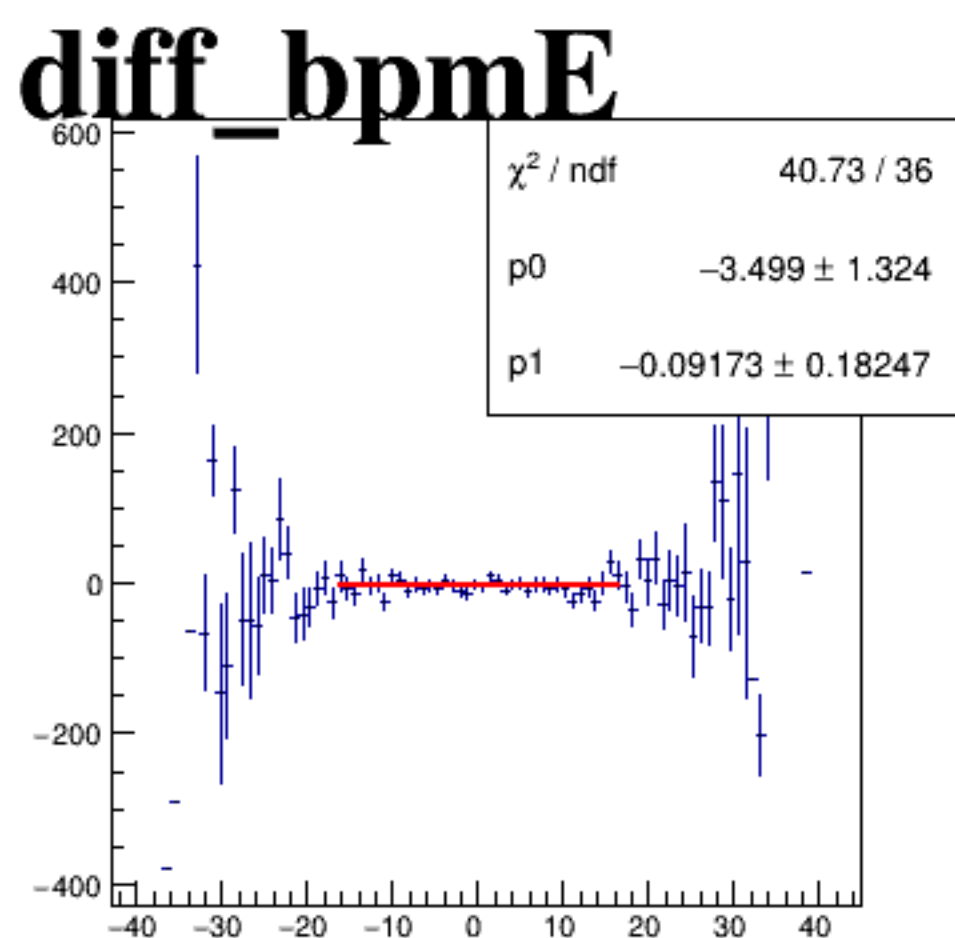
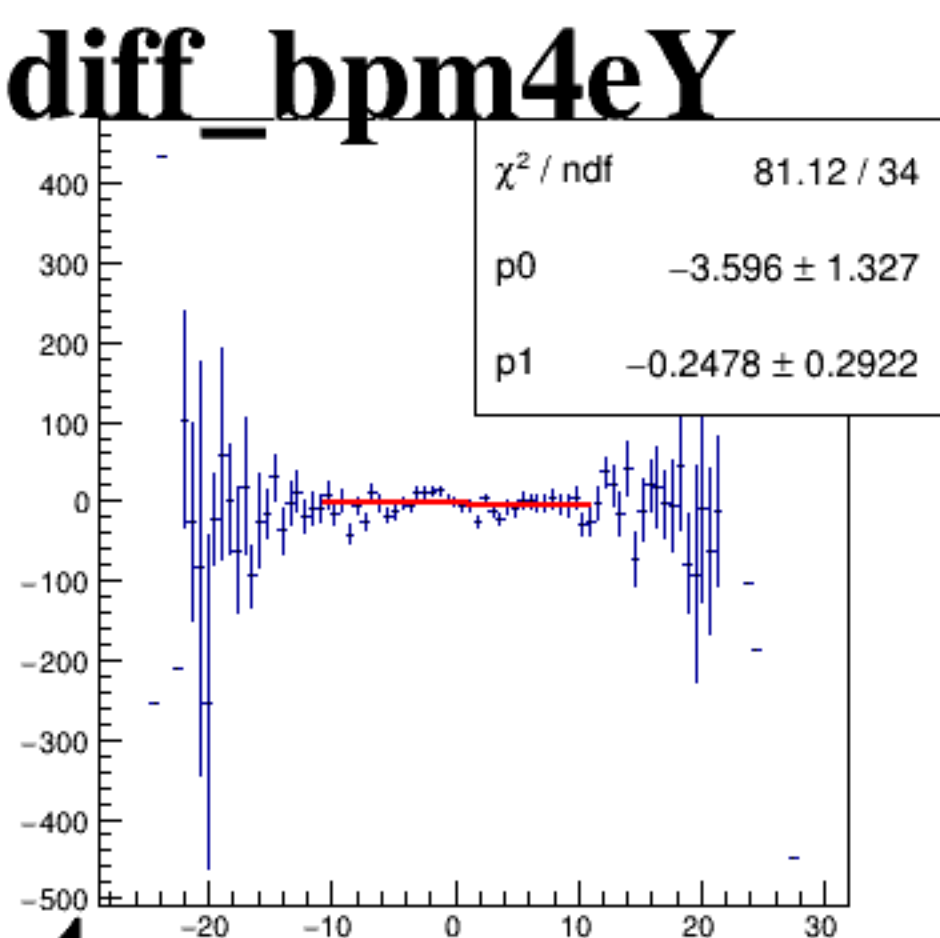
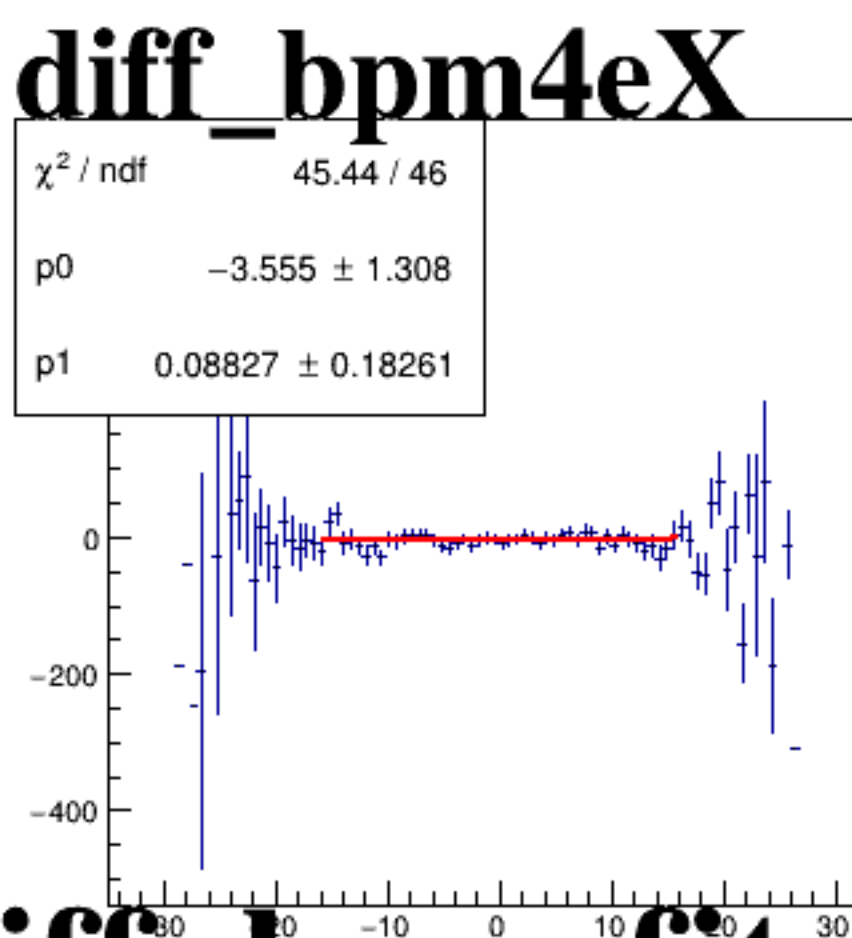
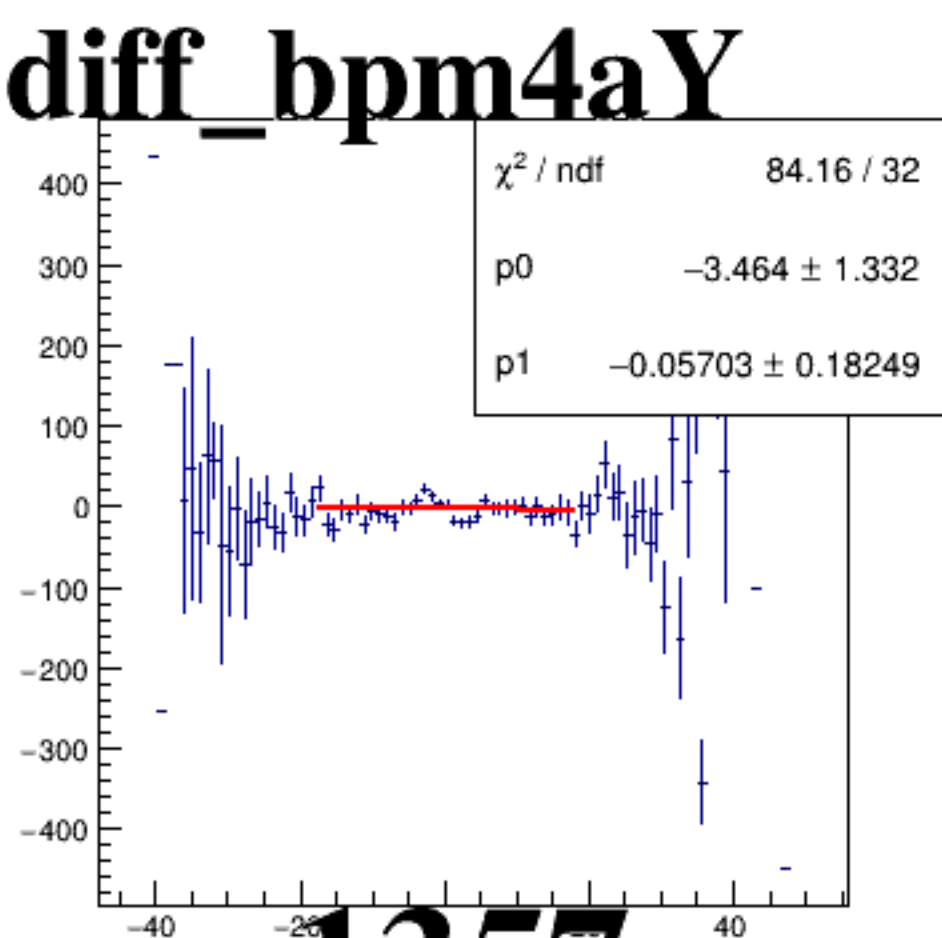
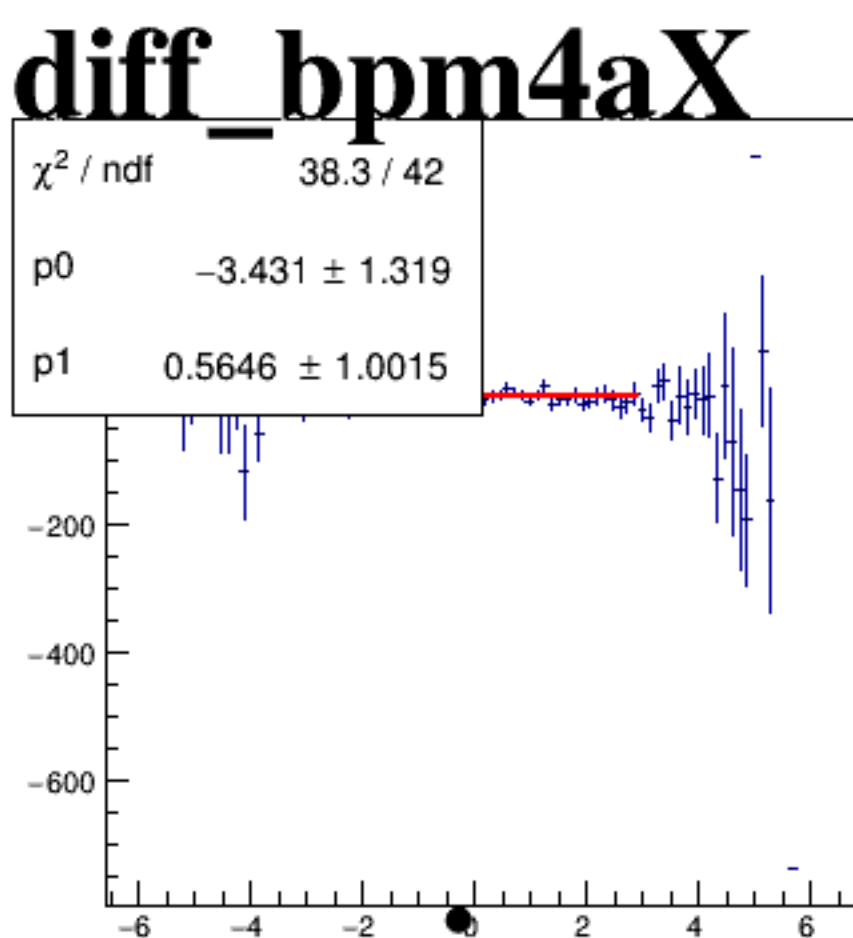
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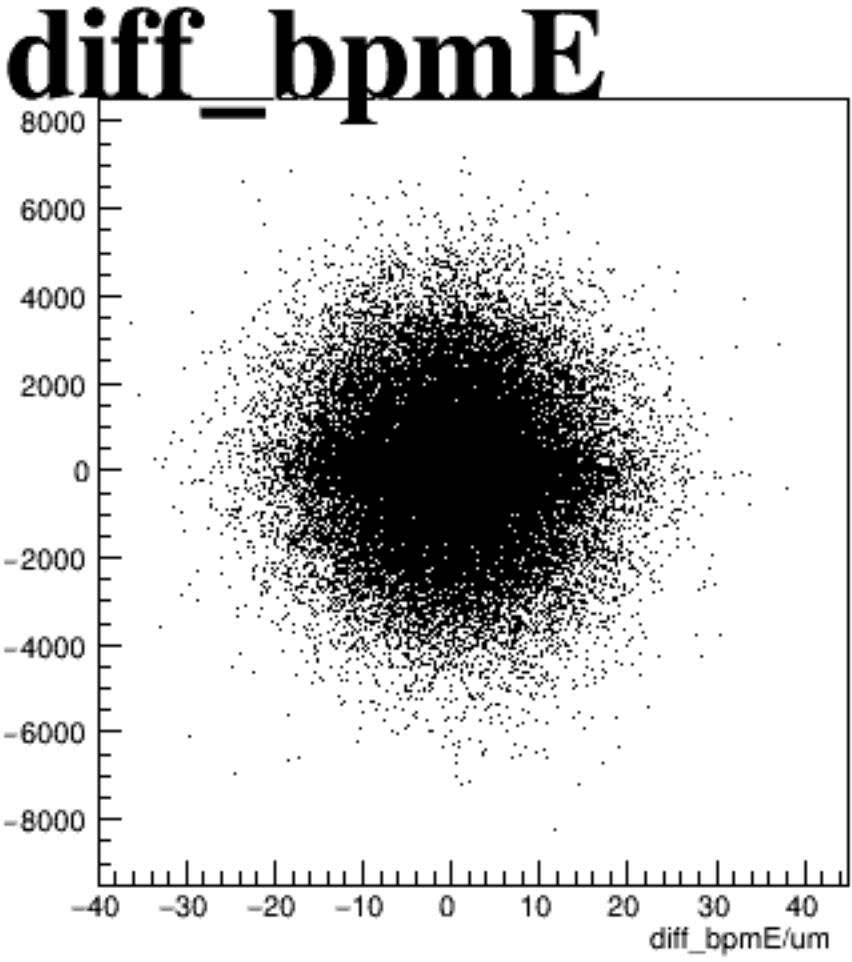
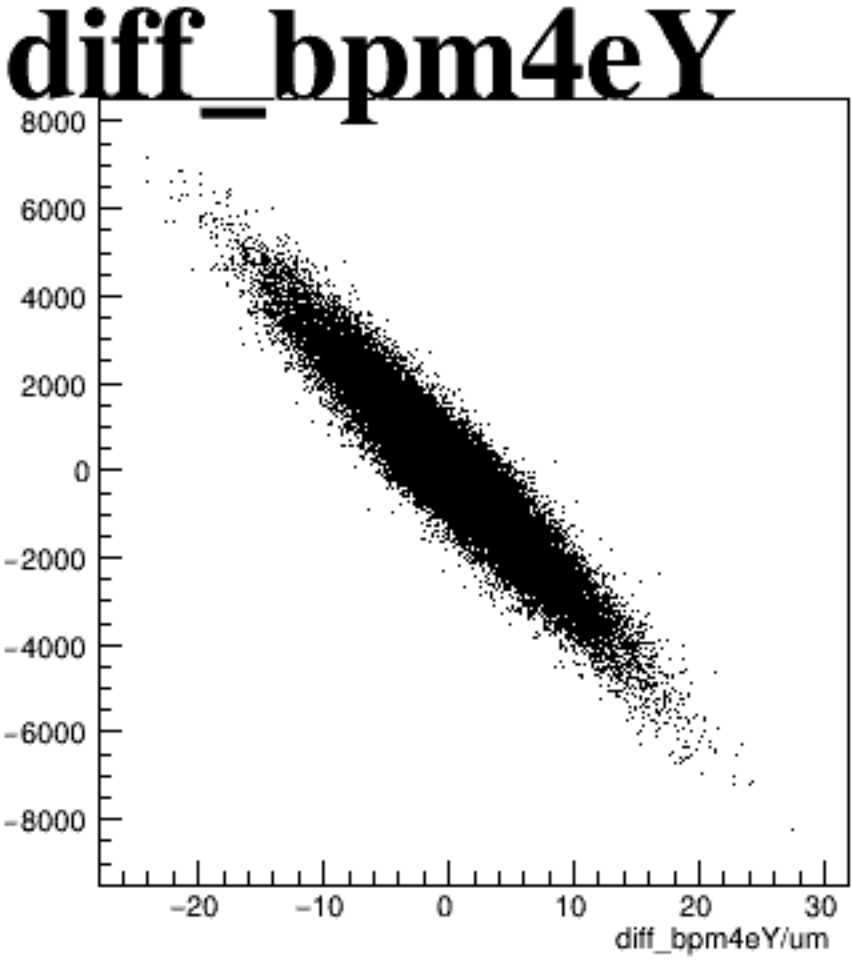
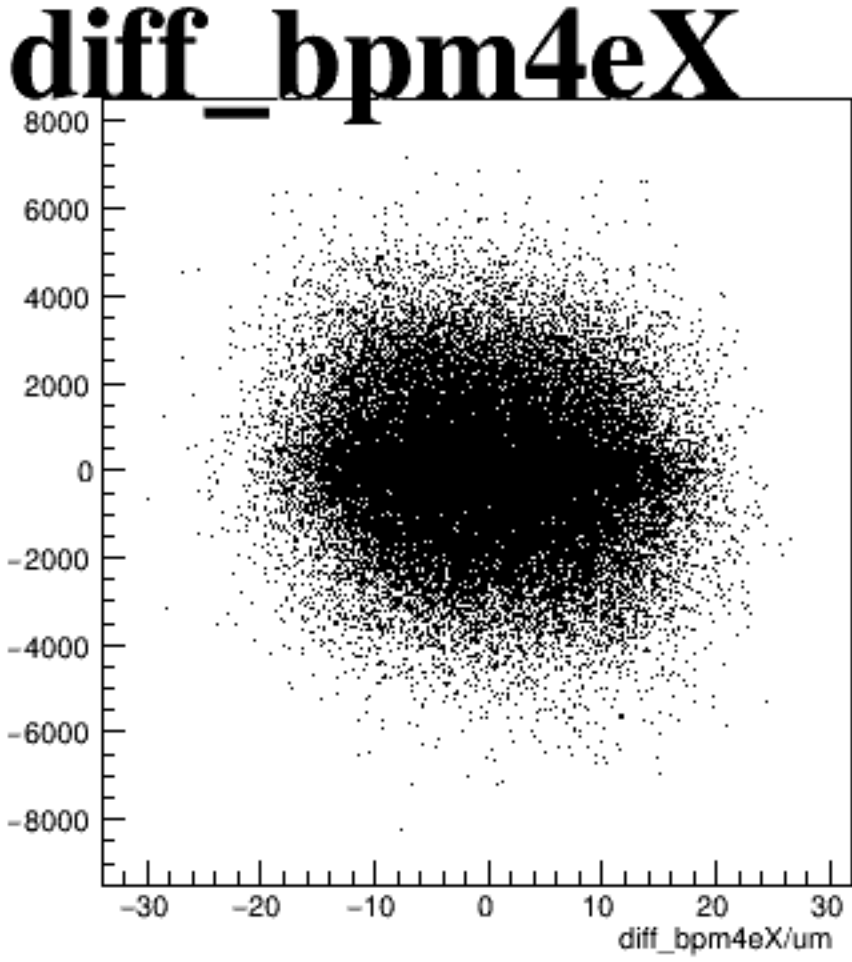
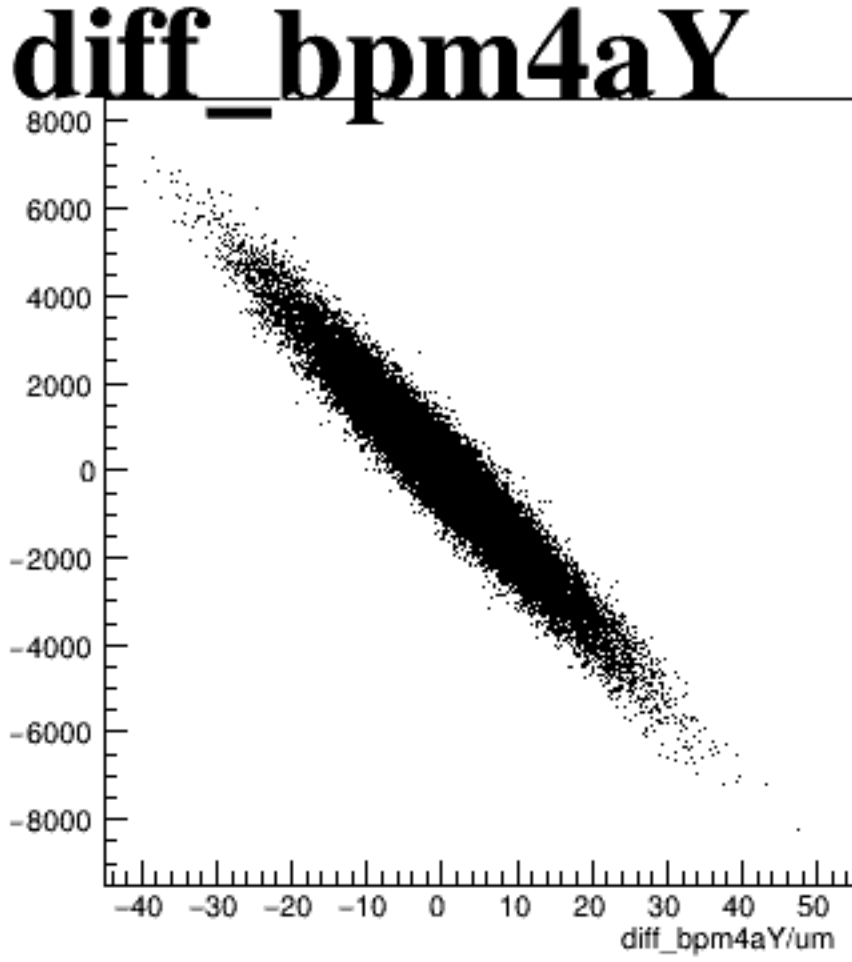
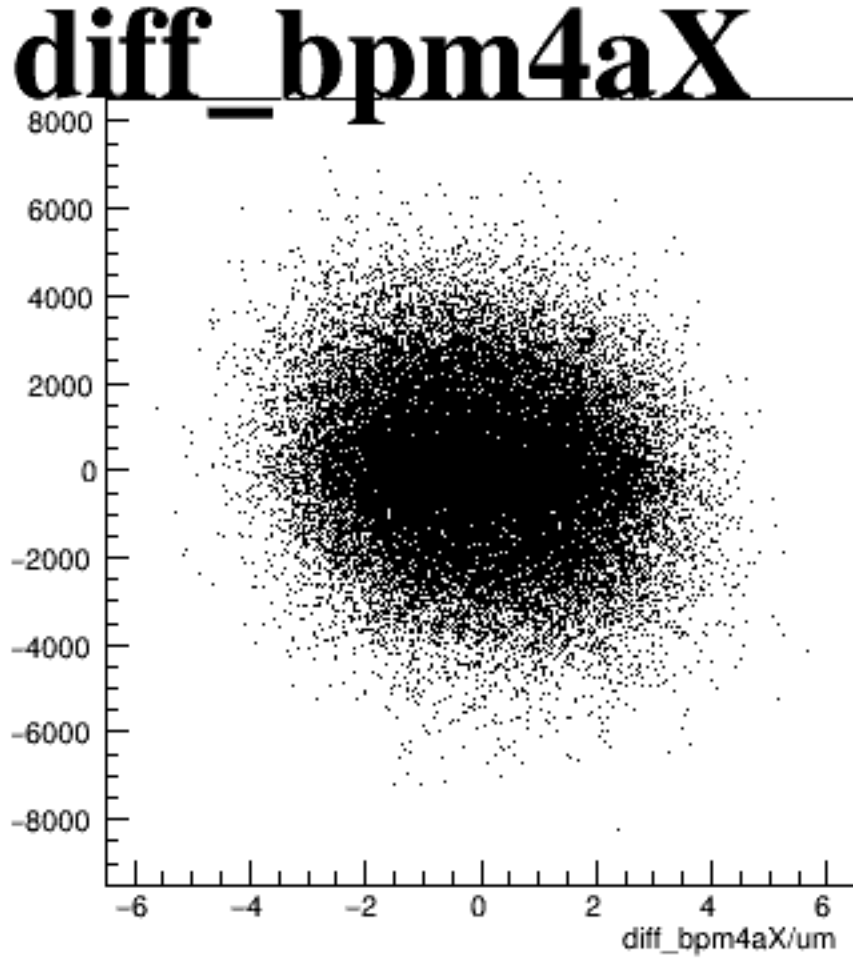
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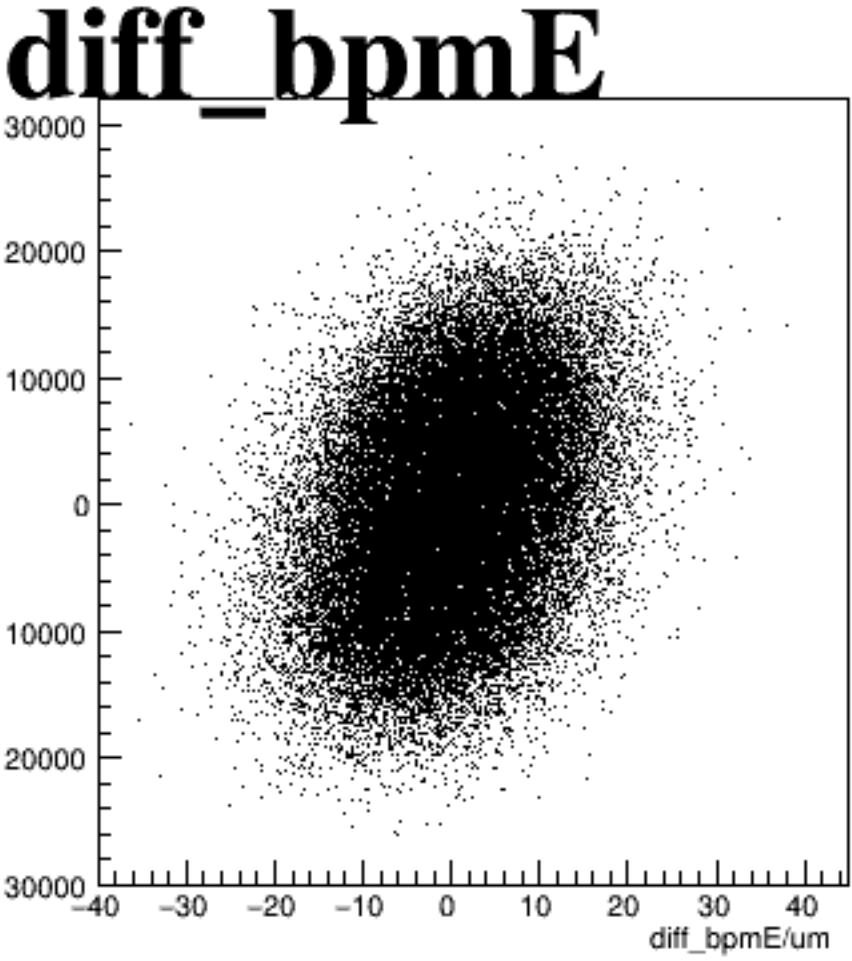
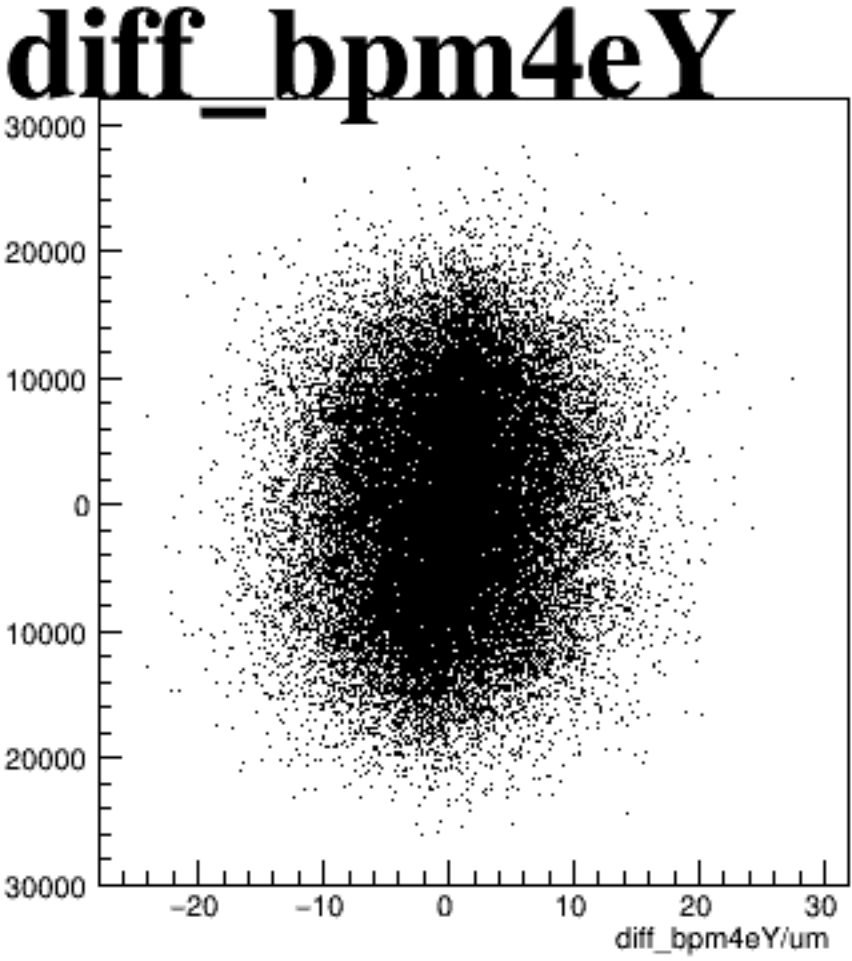
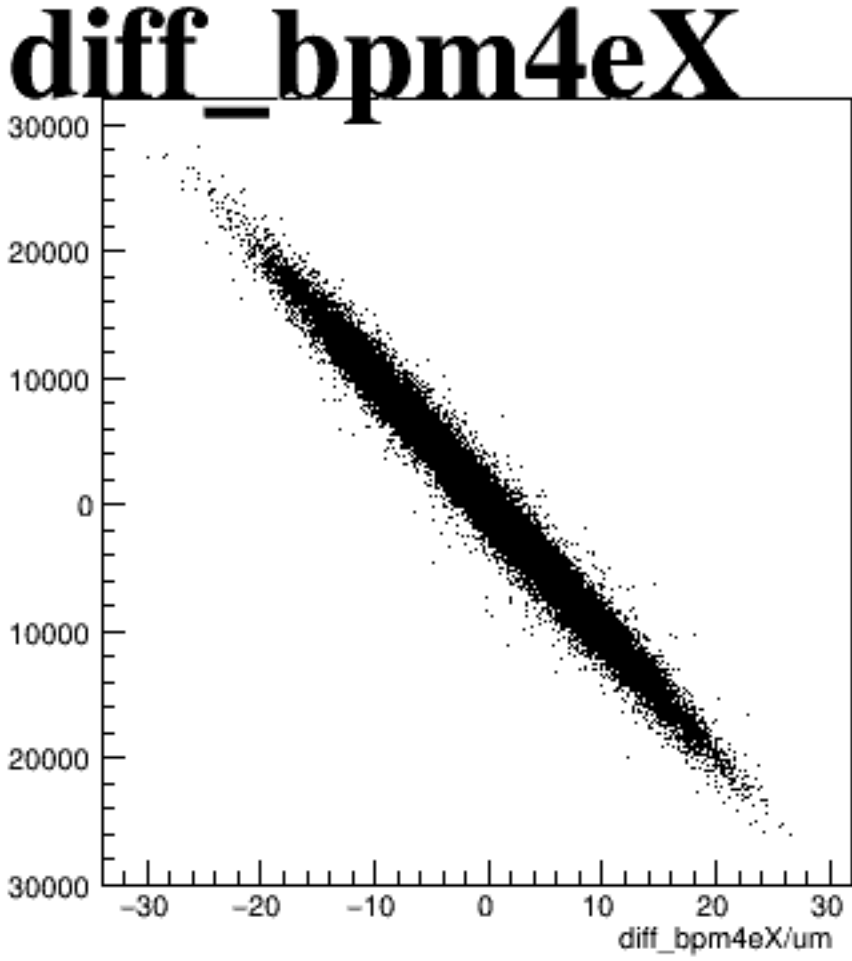
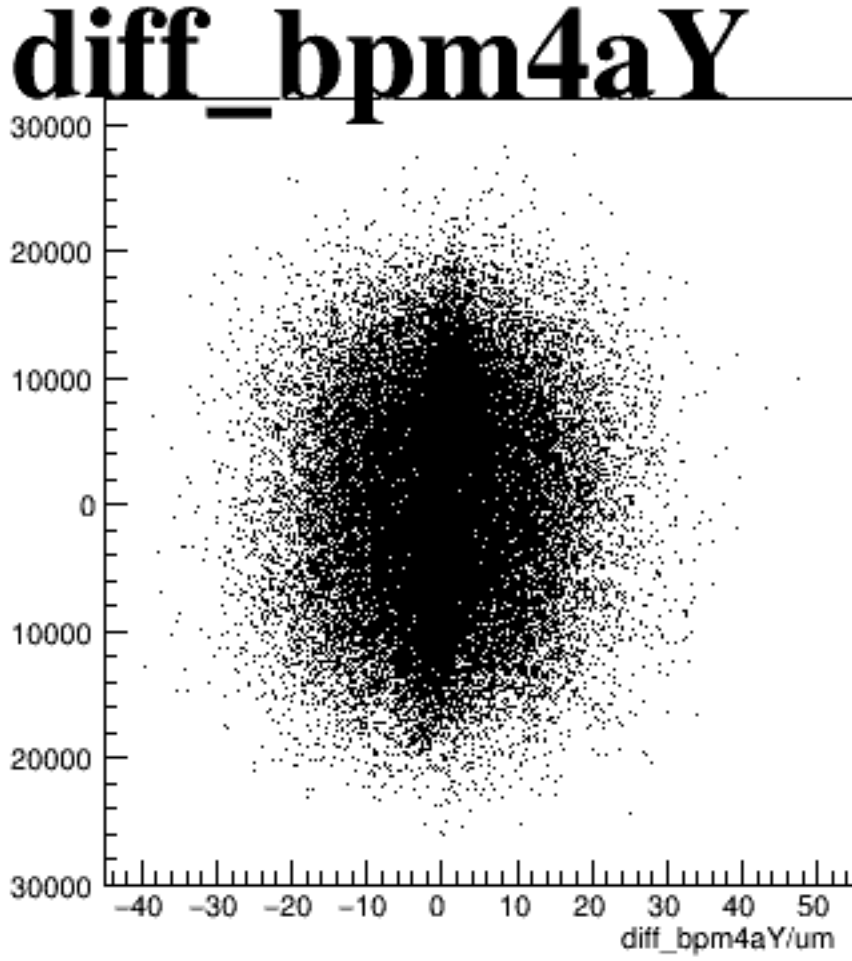
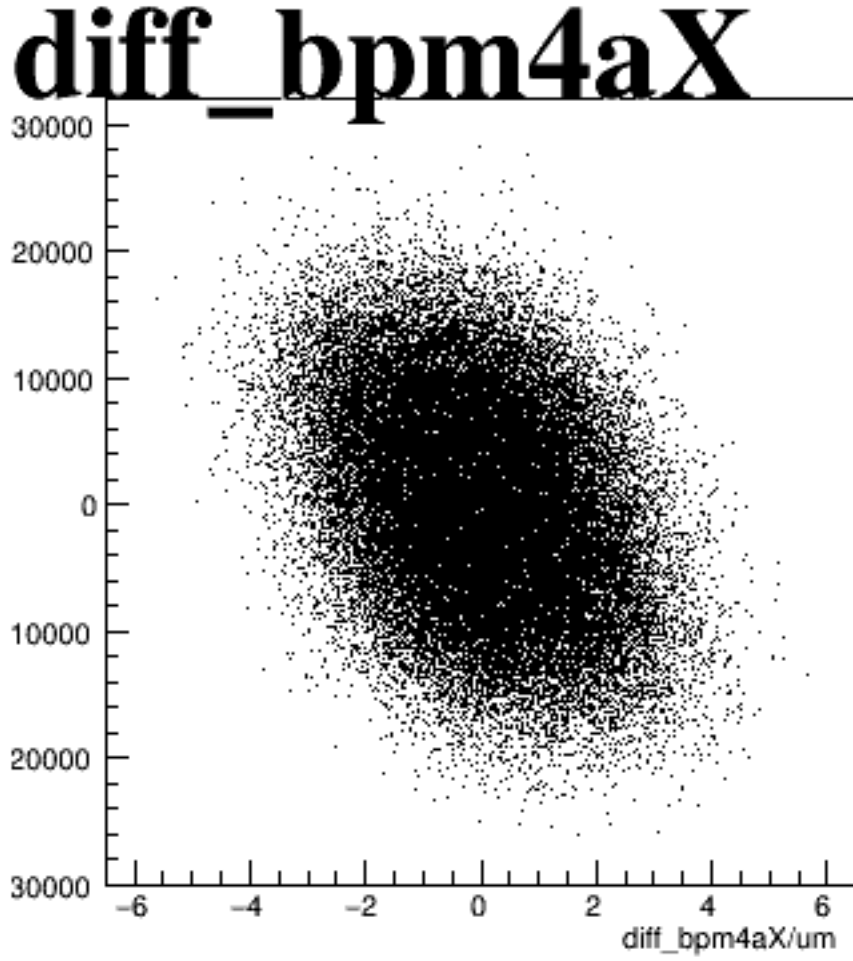
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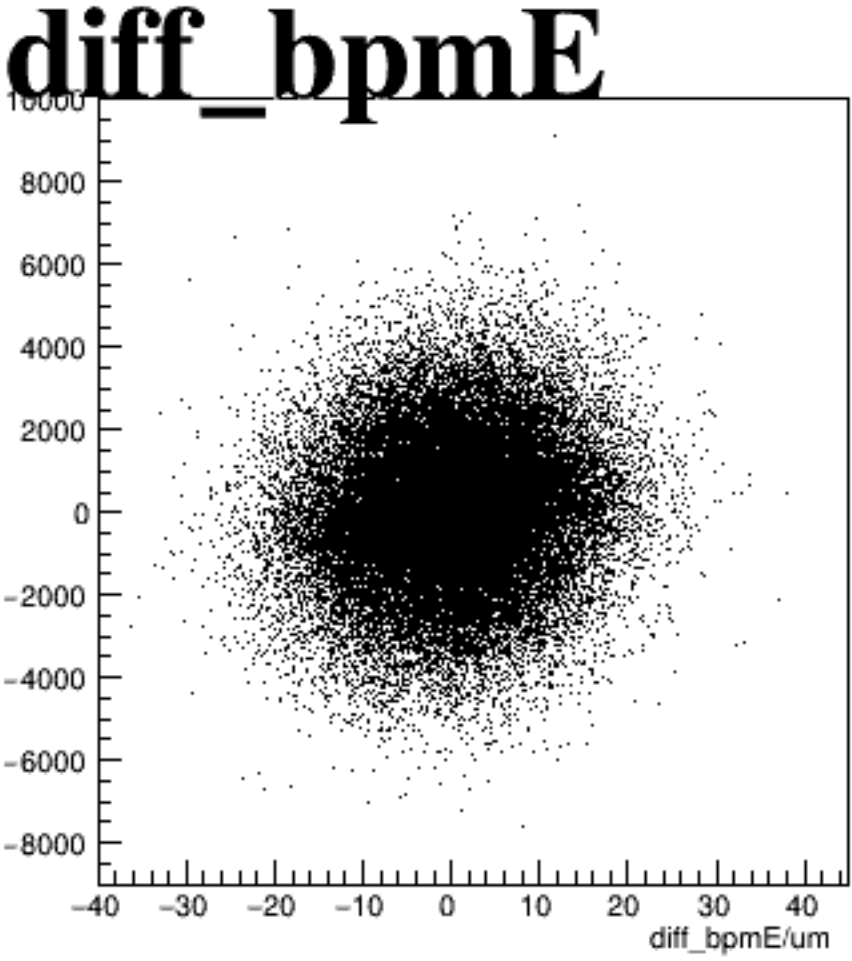
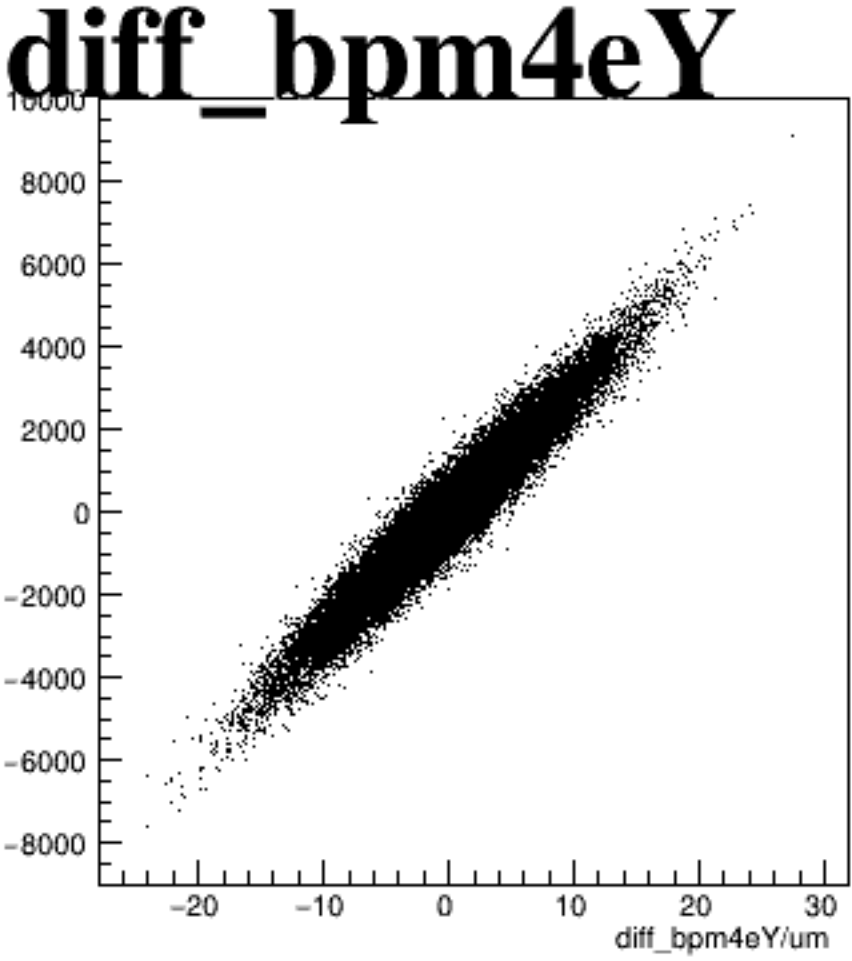
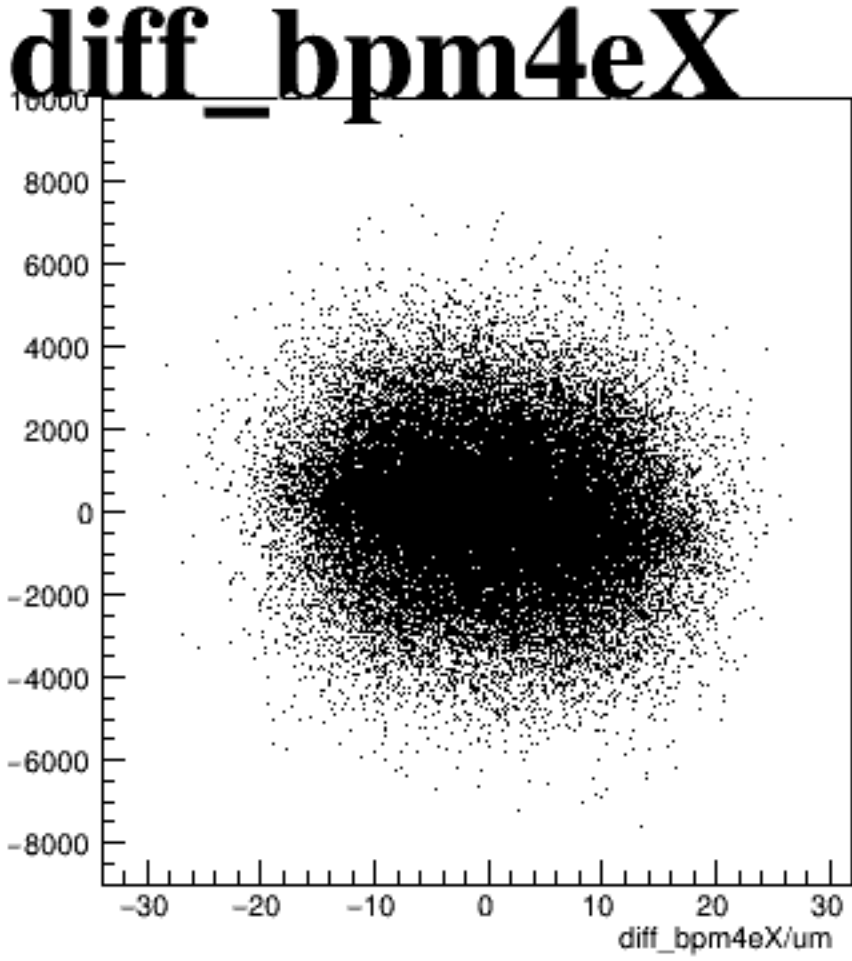
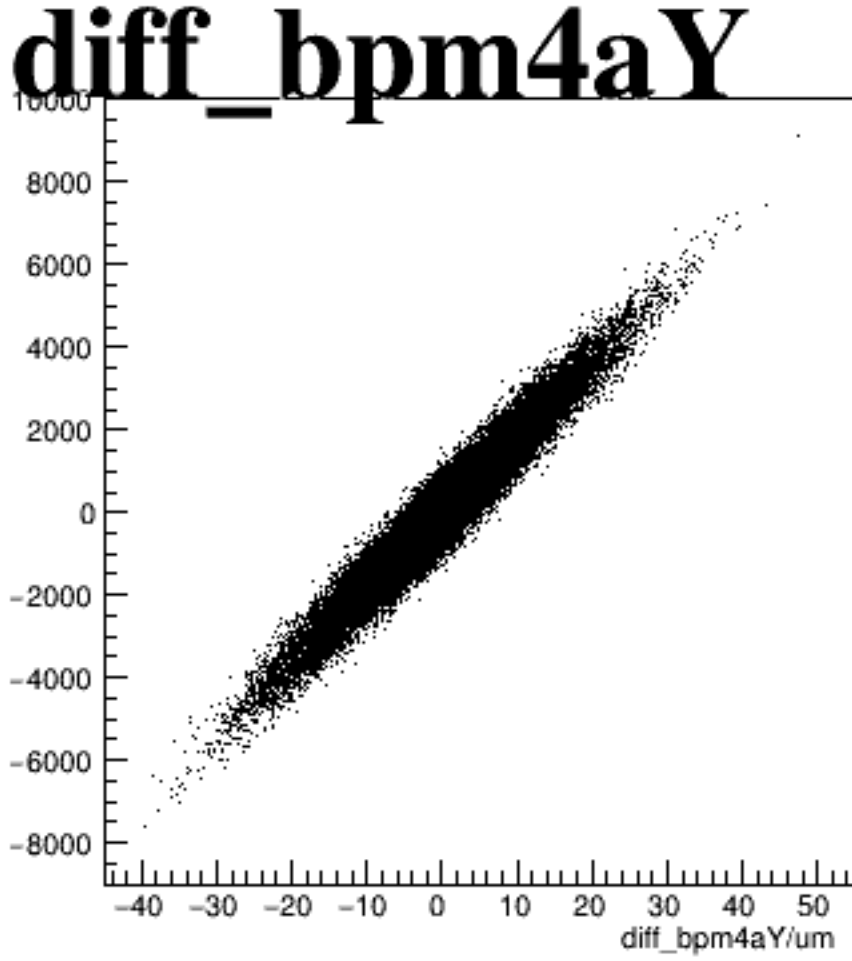
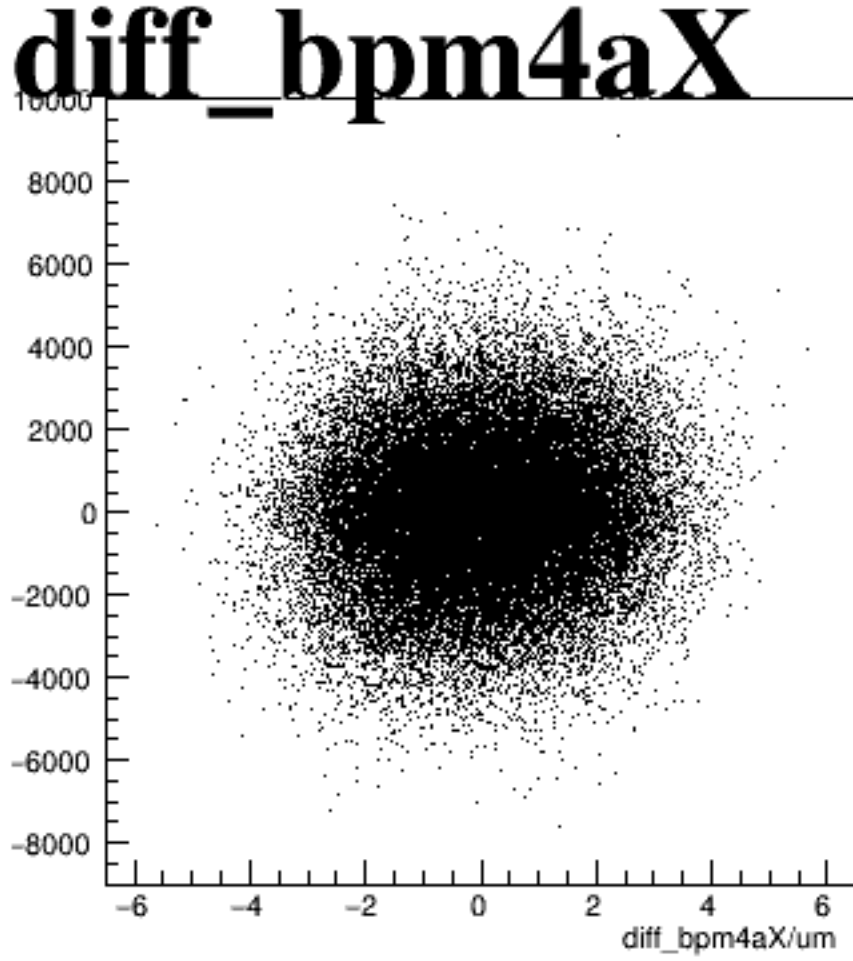
asym_sam1



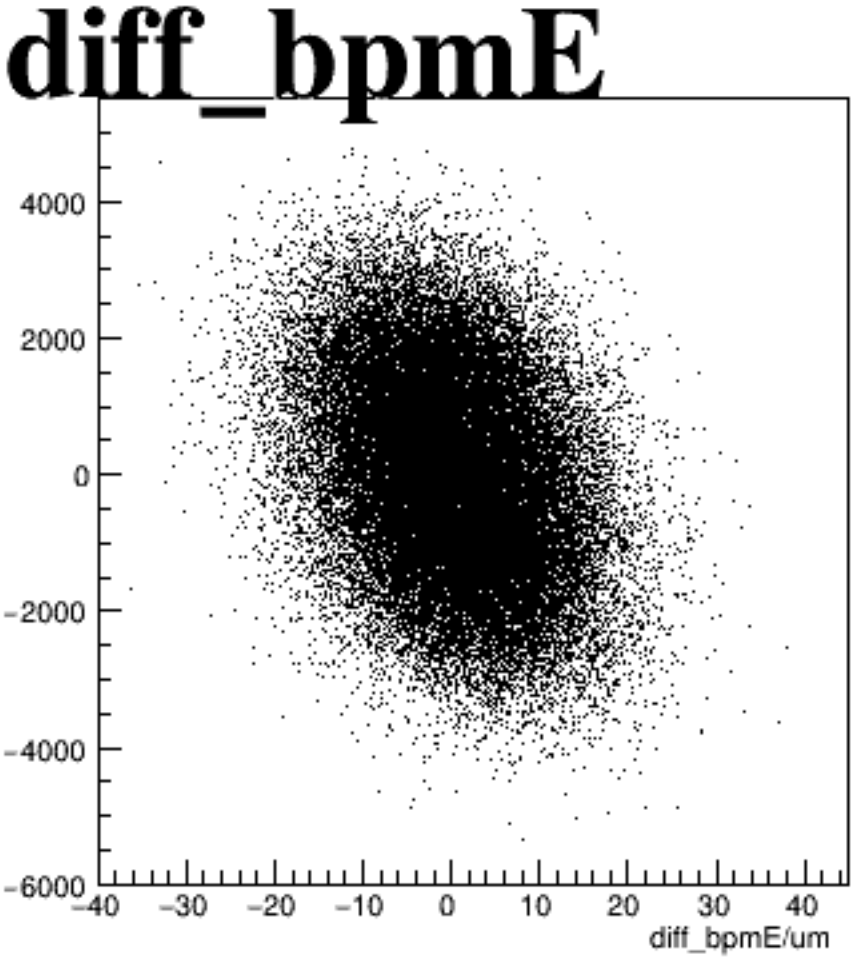
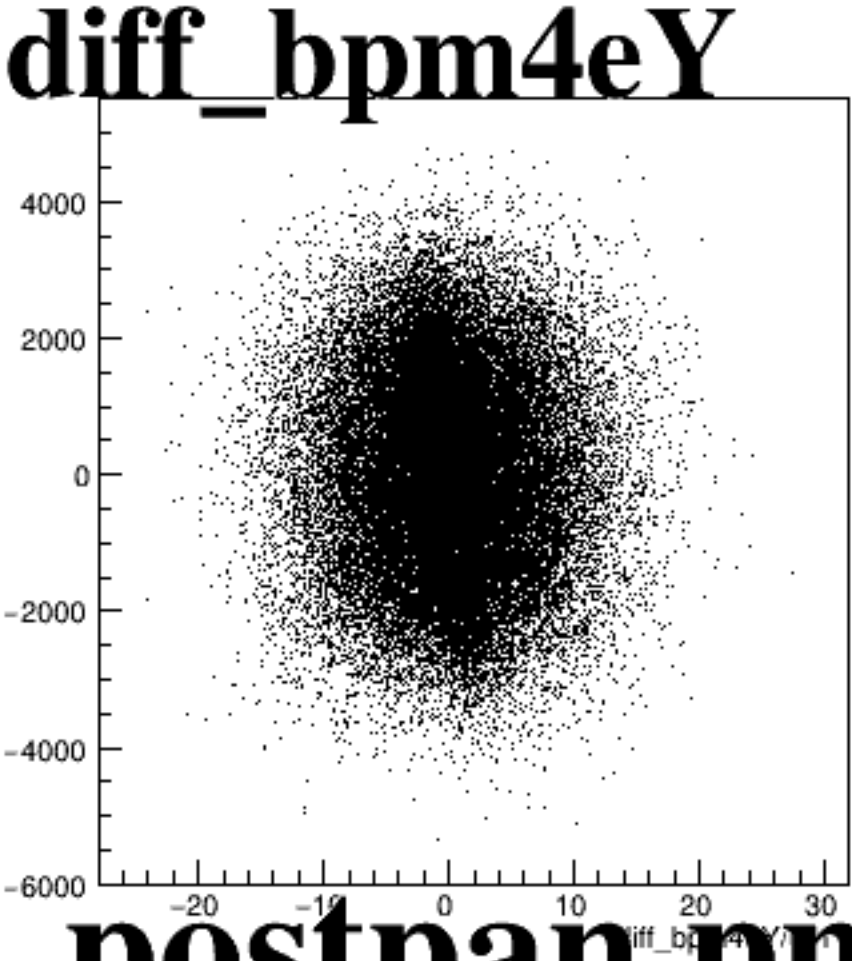
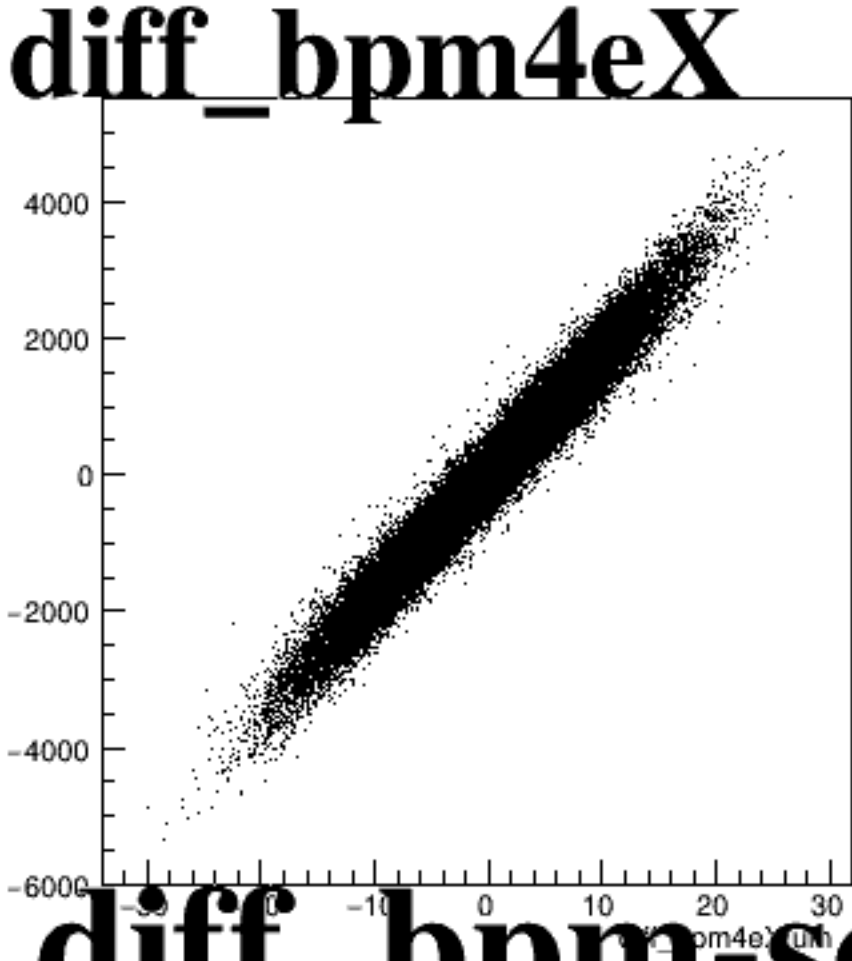
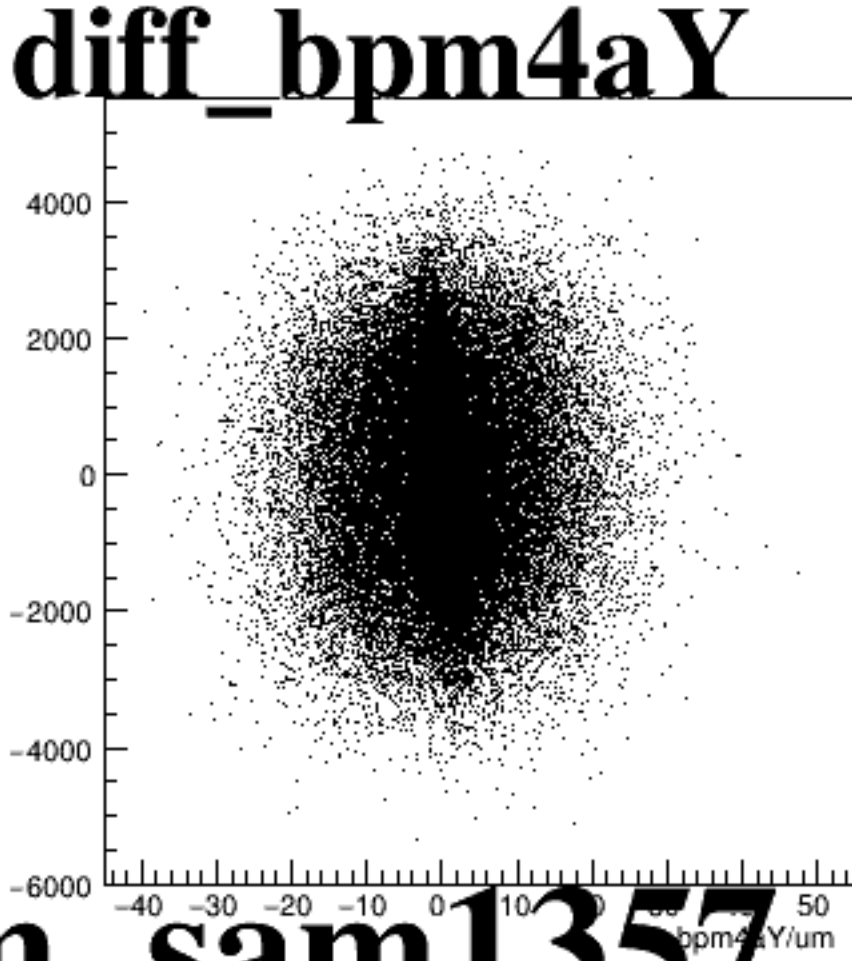
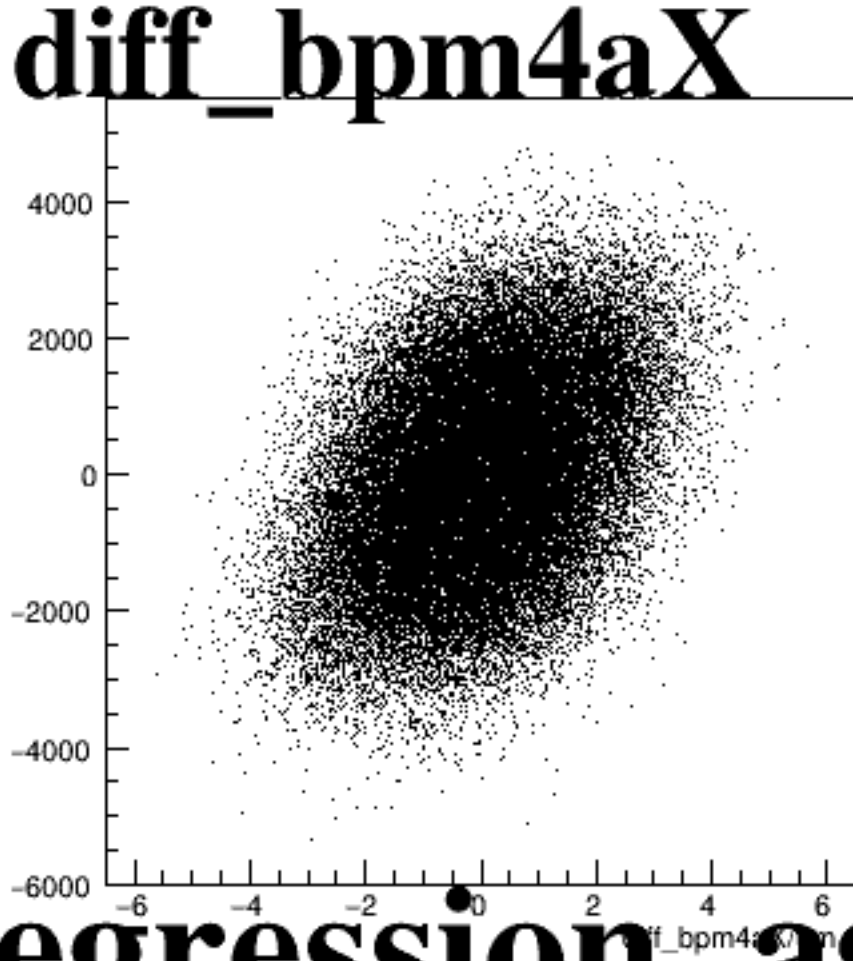
asym_sam3



asym_sam5



asym_sam7



The figure consists of five scatter plots arranged horizontally, each showing the distribution of difference values for a specific variable. 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 -1500 to 1500.
- diff_bpm4aY**: The x-axis is labeled `diff_bpm4aY/um` and ranges from -40 to 50. The y-axis ranges from -1500 to 1500.
- diff_bpm4eX**: The x-axis is labeled `diff_bpm4eX/um` and ranges from -30 to 30. The y-axis ranges from -1500 to 1500.
- diff_bpm4eY**: The x-axis is labeled `diff_bpm4eY/um` and ranges from -20 to 30. The y-axis ranges from -1500 to 1500.
- diff_bpmE**: The x-axis is labeled `diff_bpmE/um` and ranges from -40 to 40. The y-axis ranges from -1500 to 1500.

All plots show a dense, roughly circular cloud of points centered around zero, indicating that the difference values are generally small and symmetrically distributed.