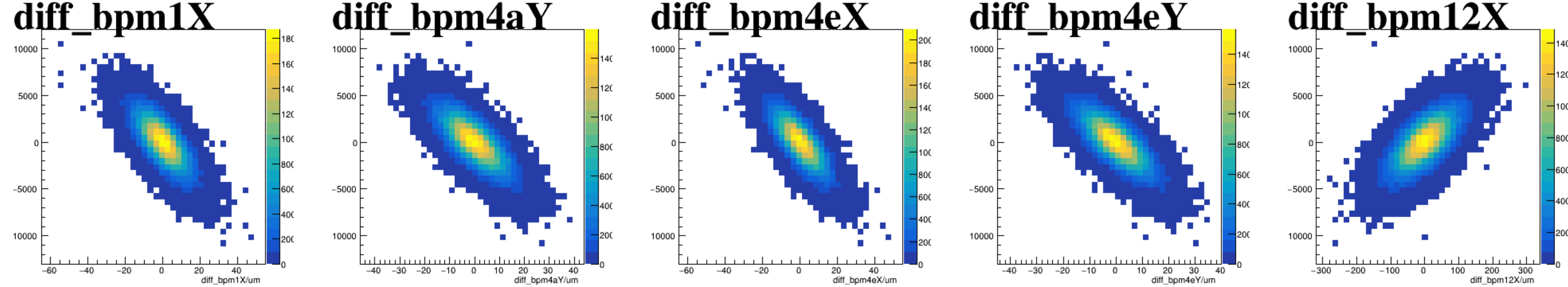
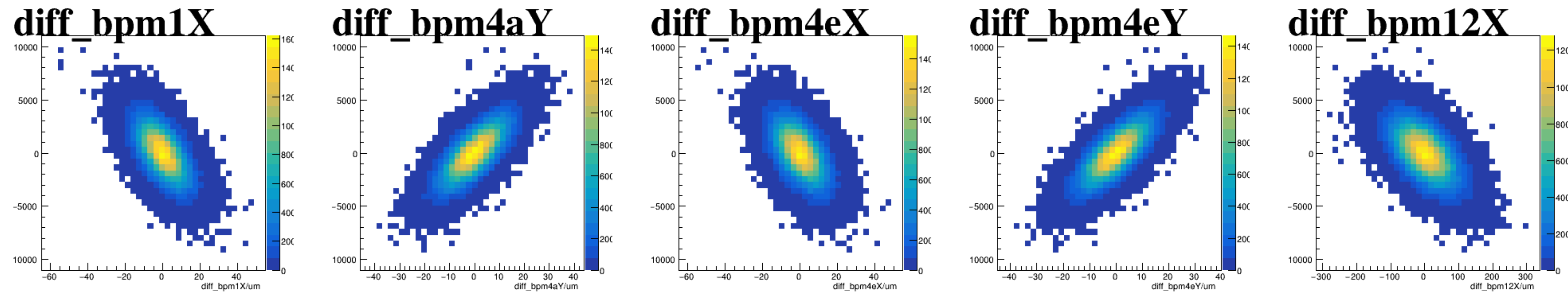


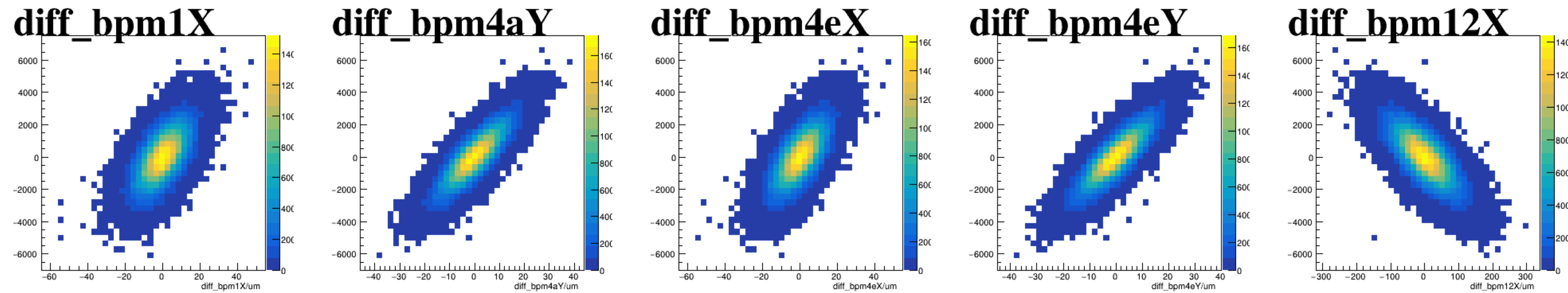
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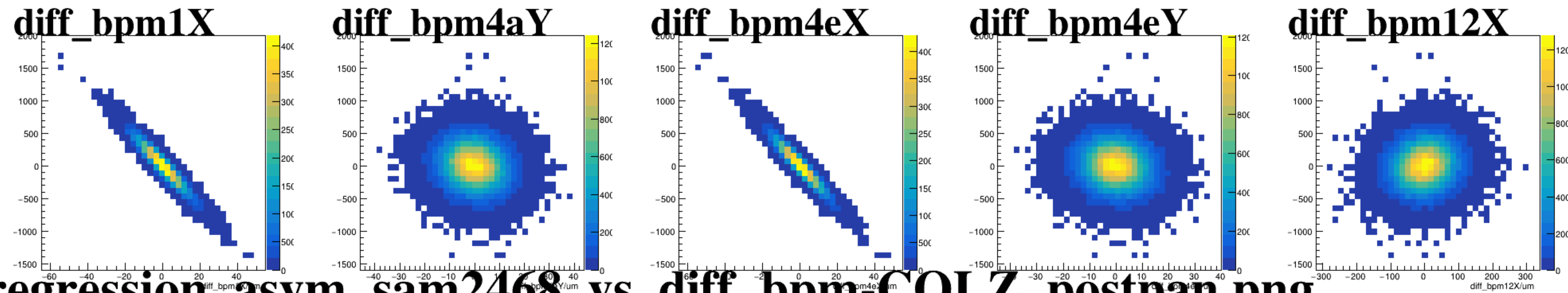
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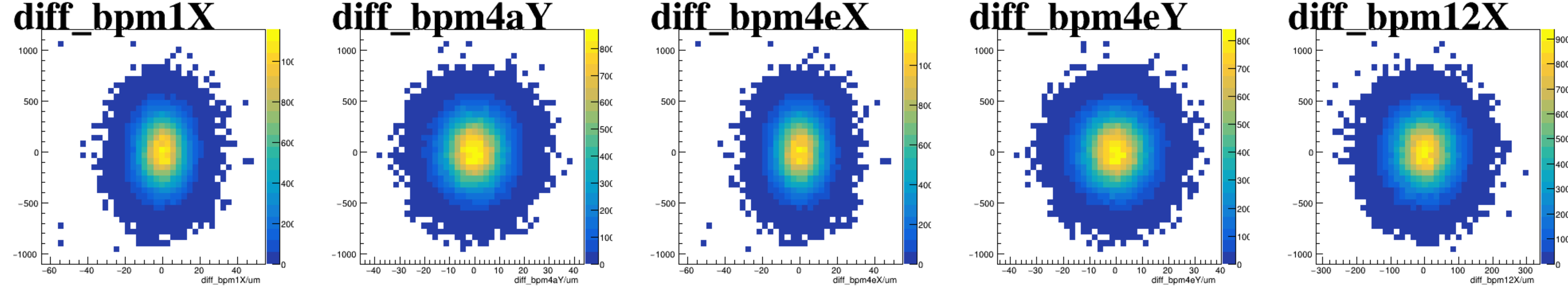
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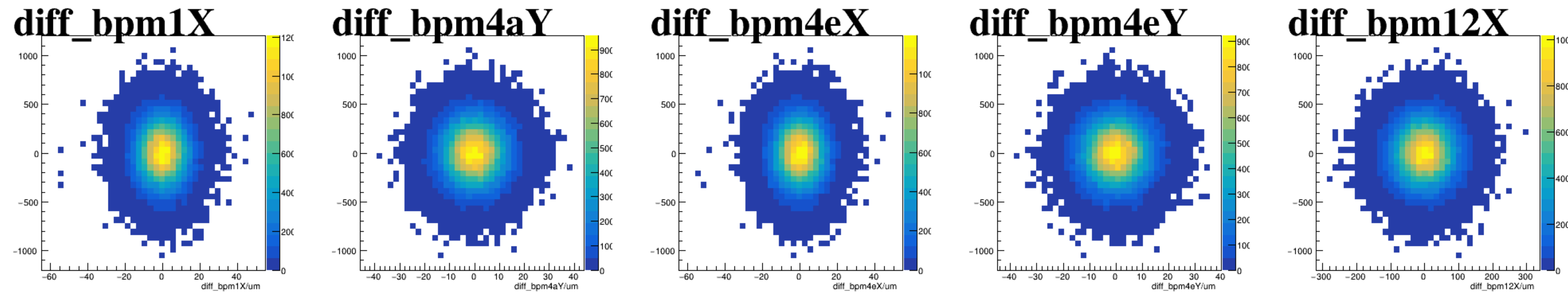
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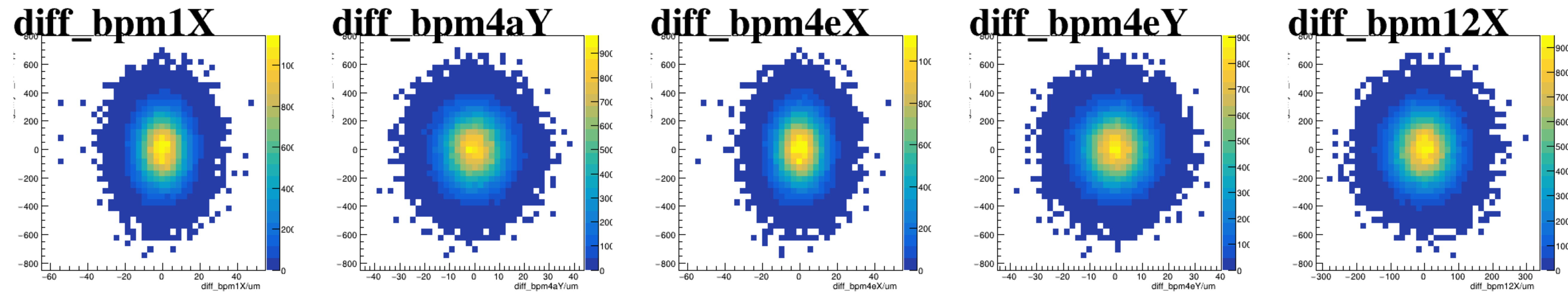
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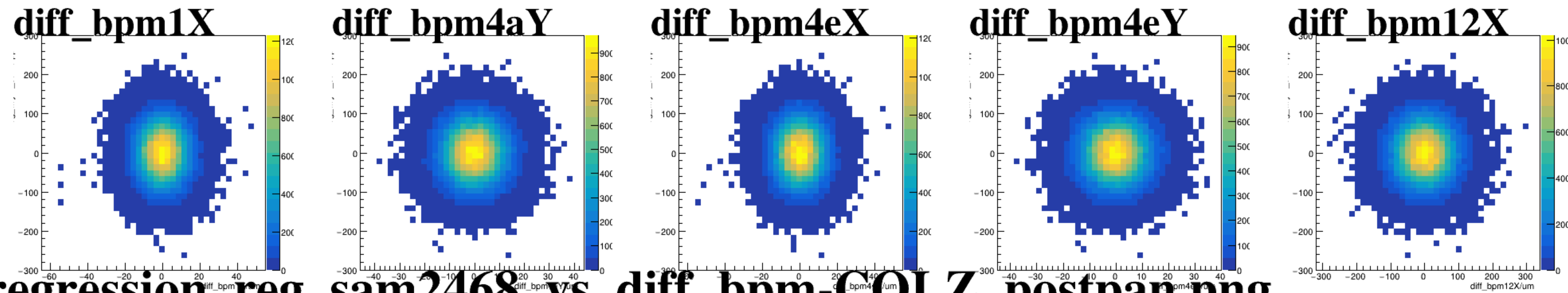
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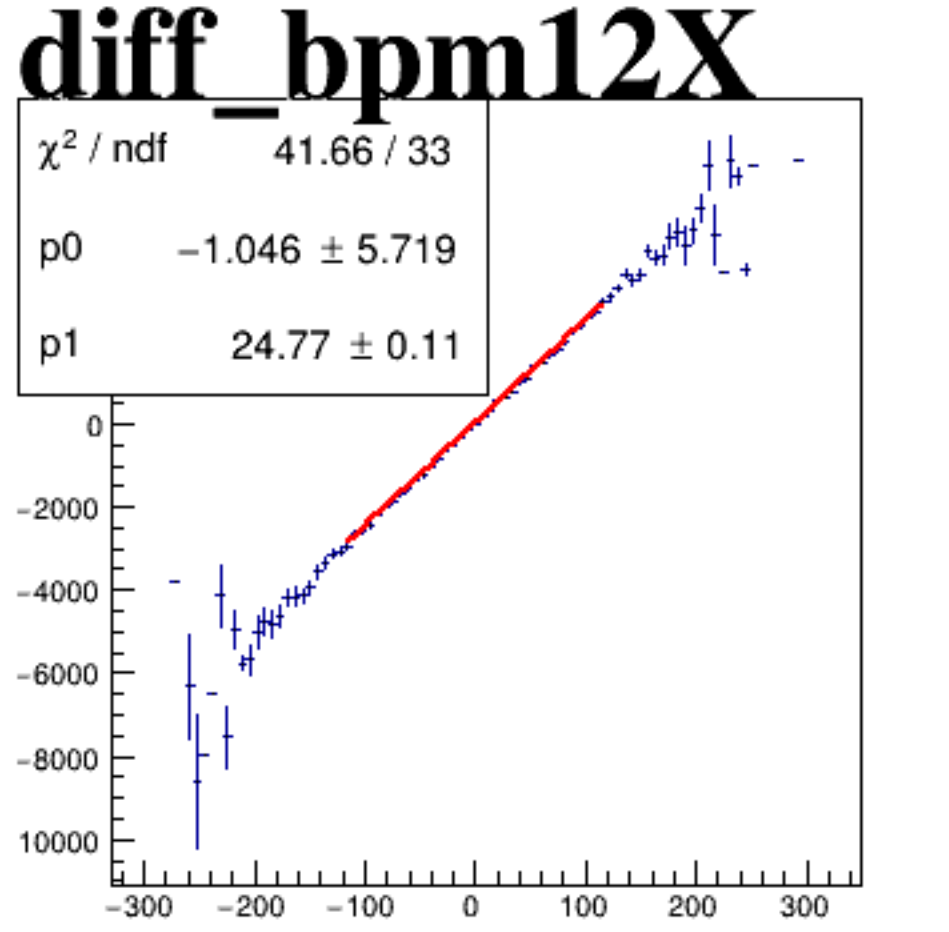
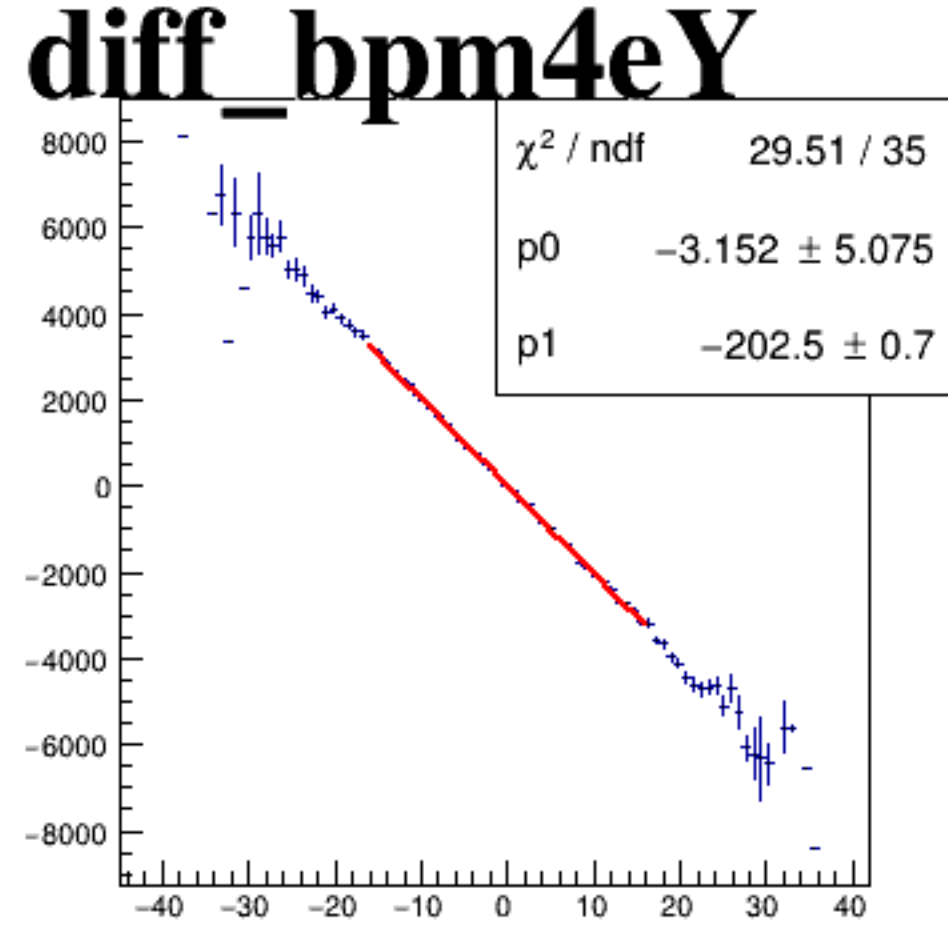
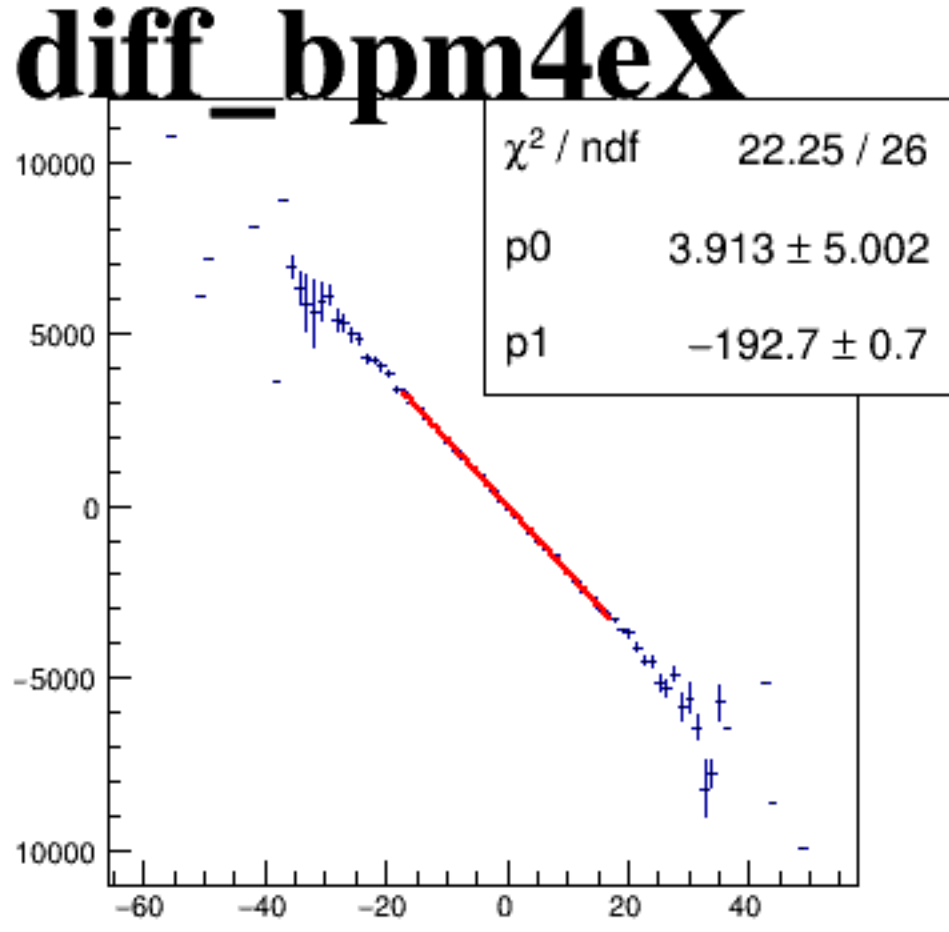
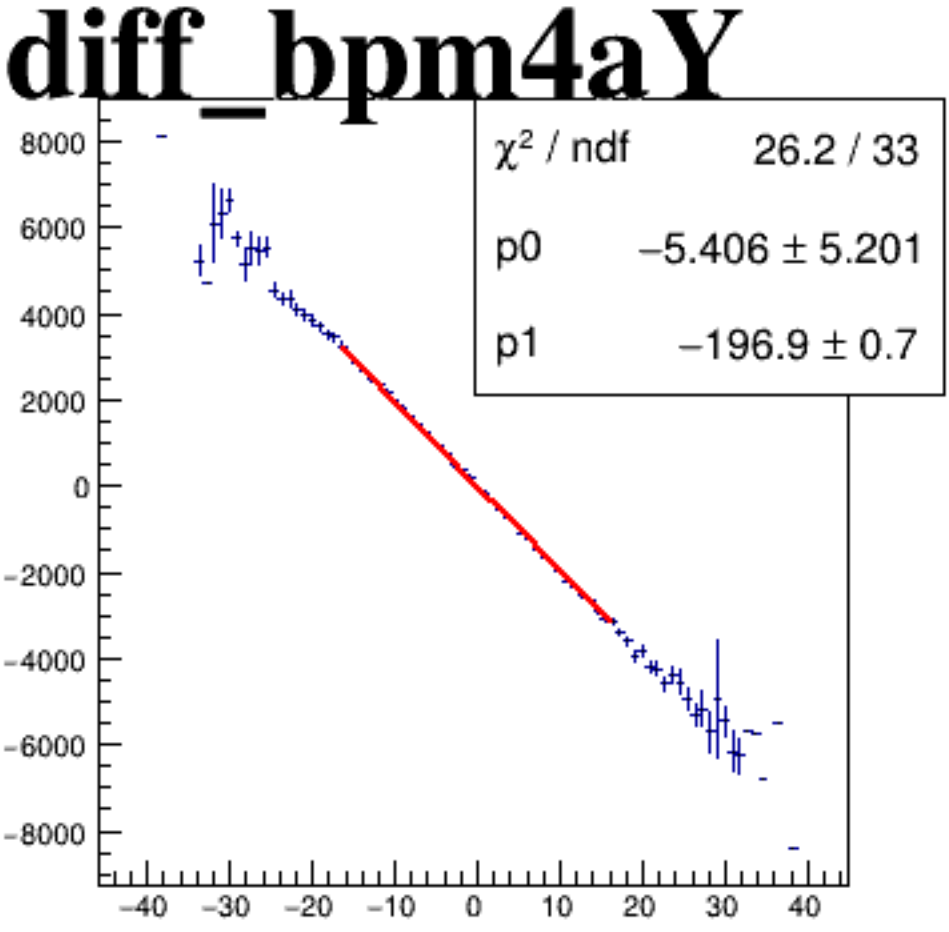
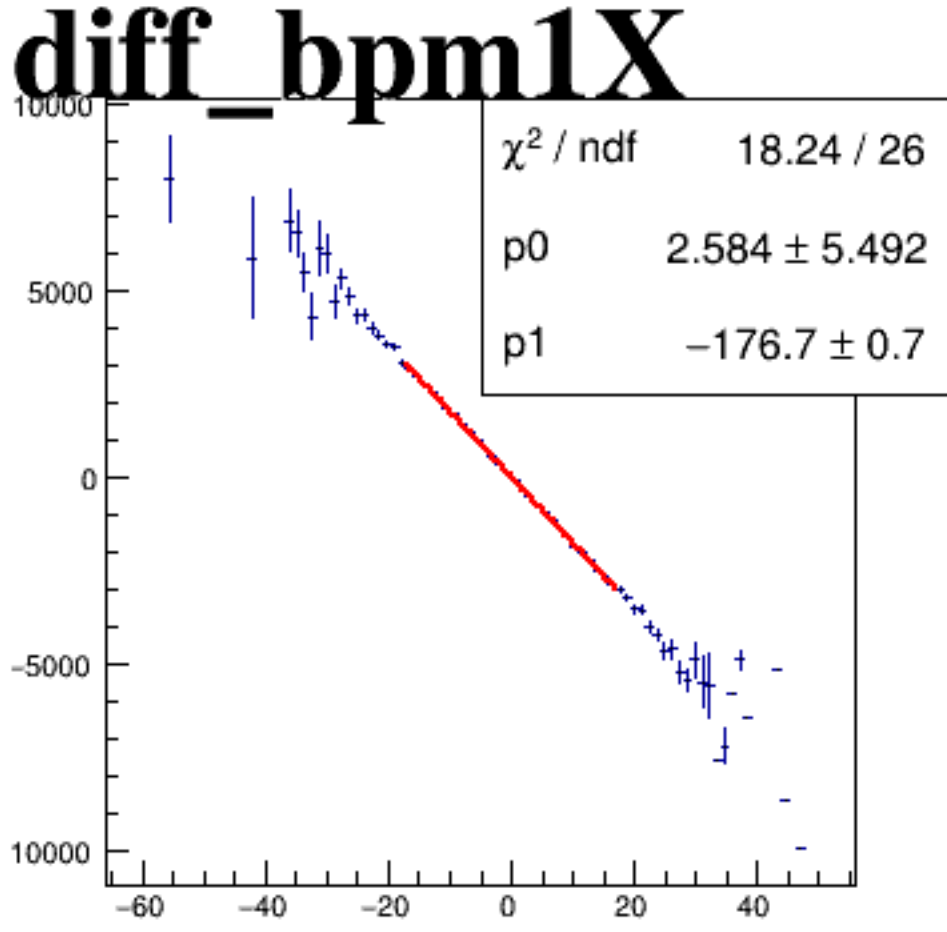
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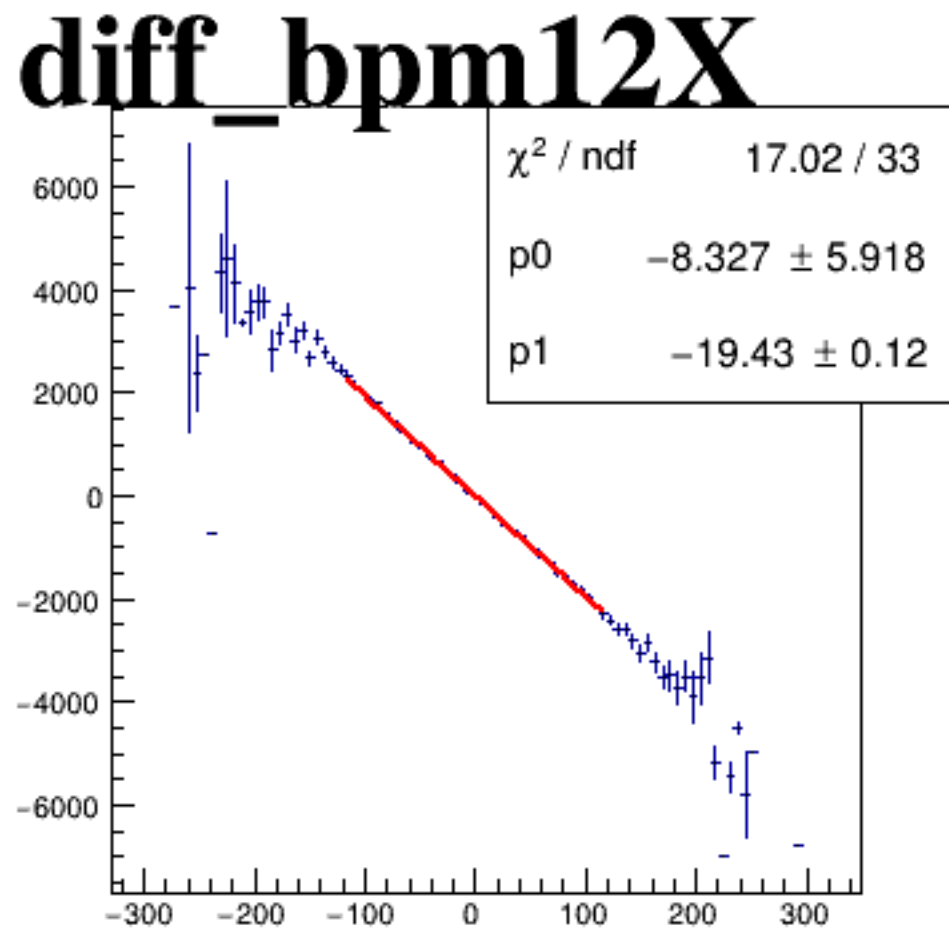
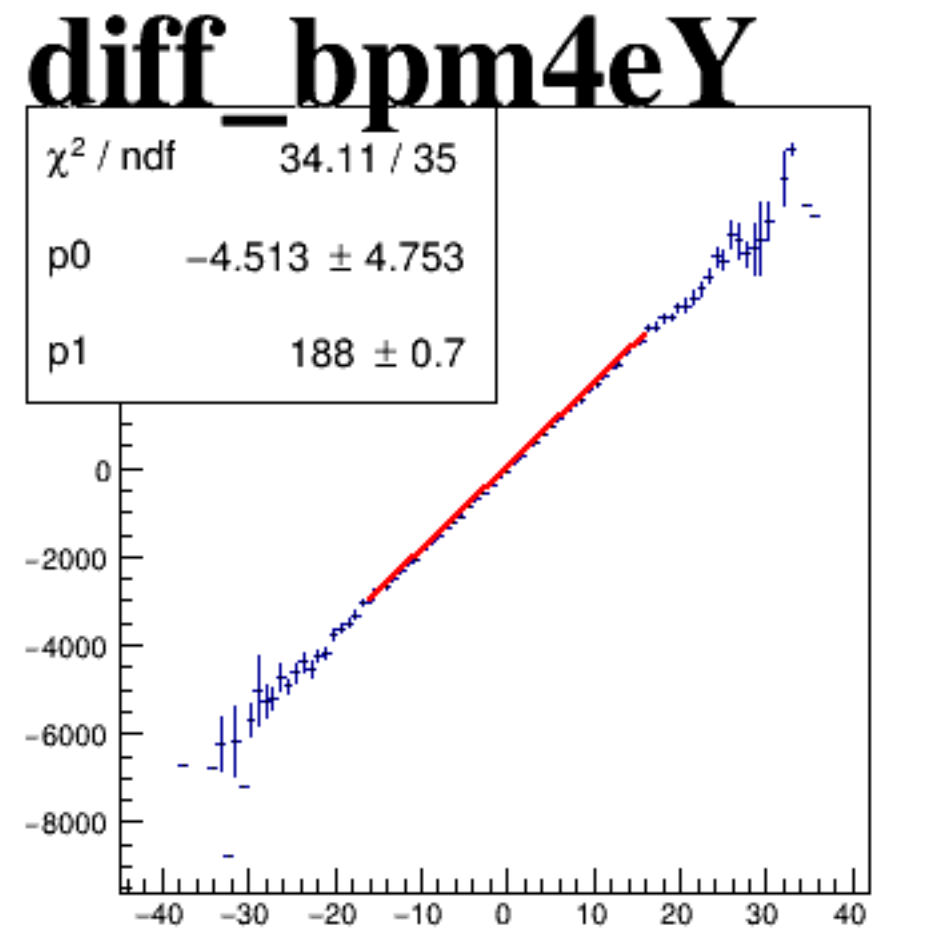
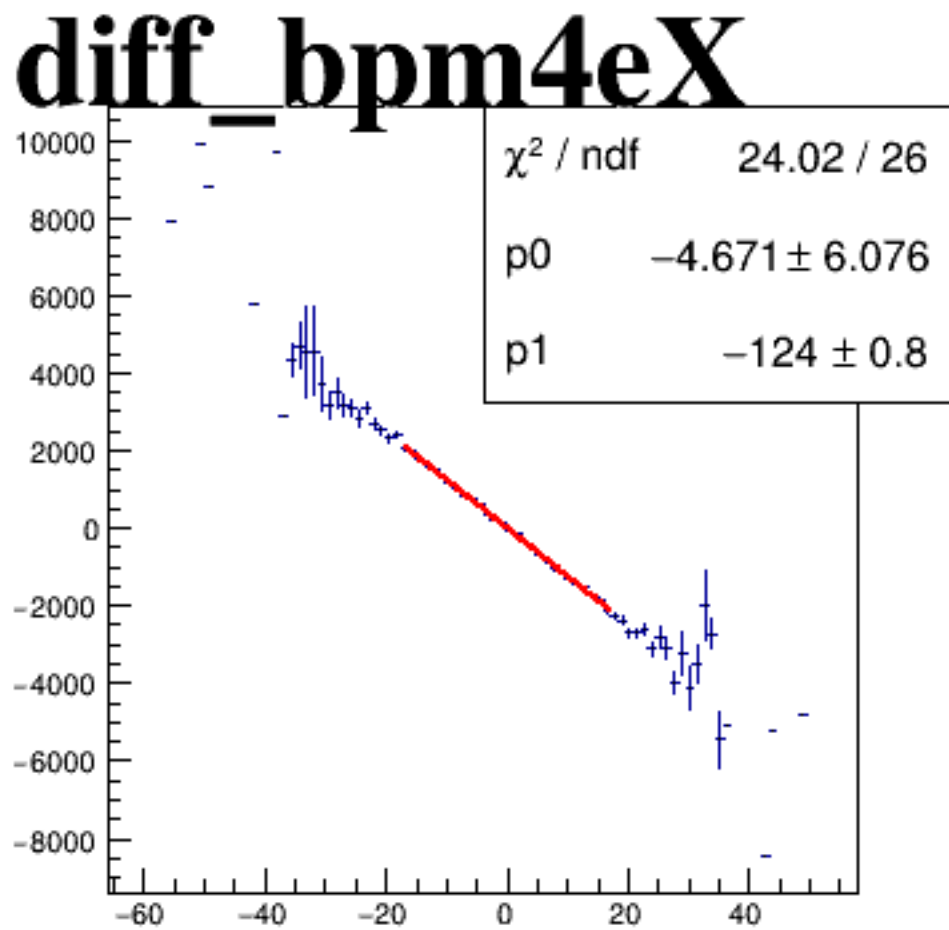
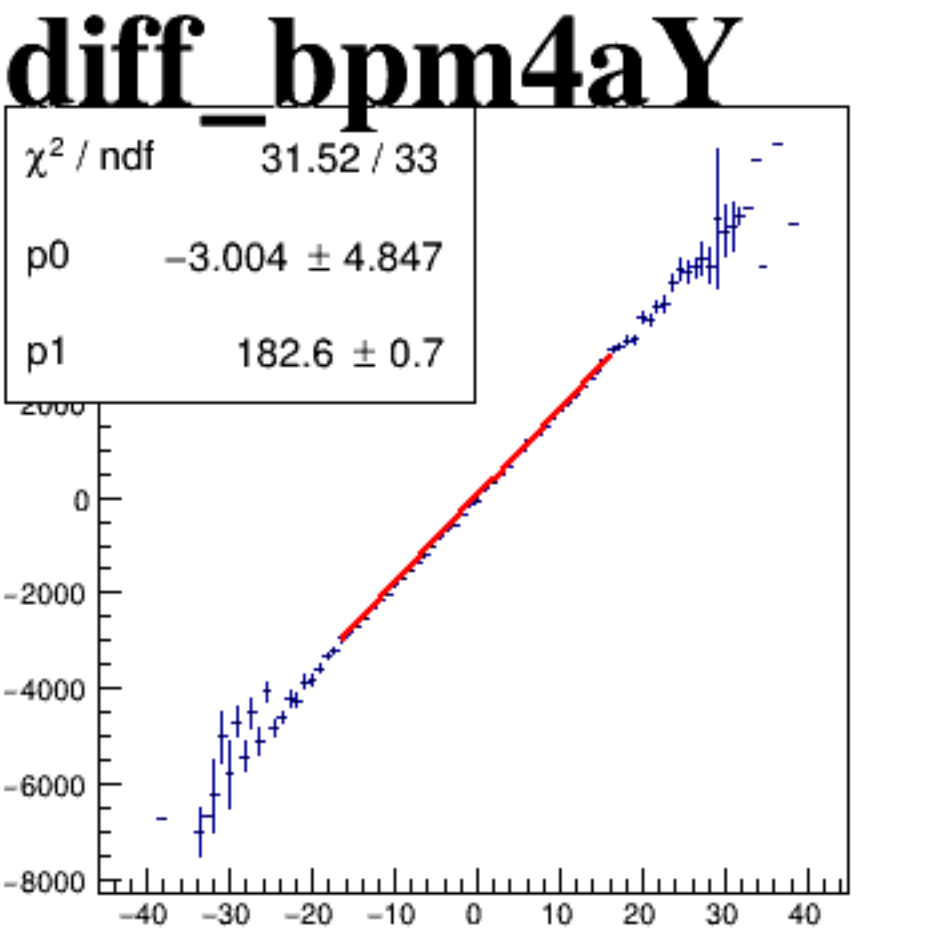
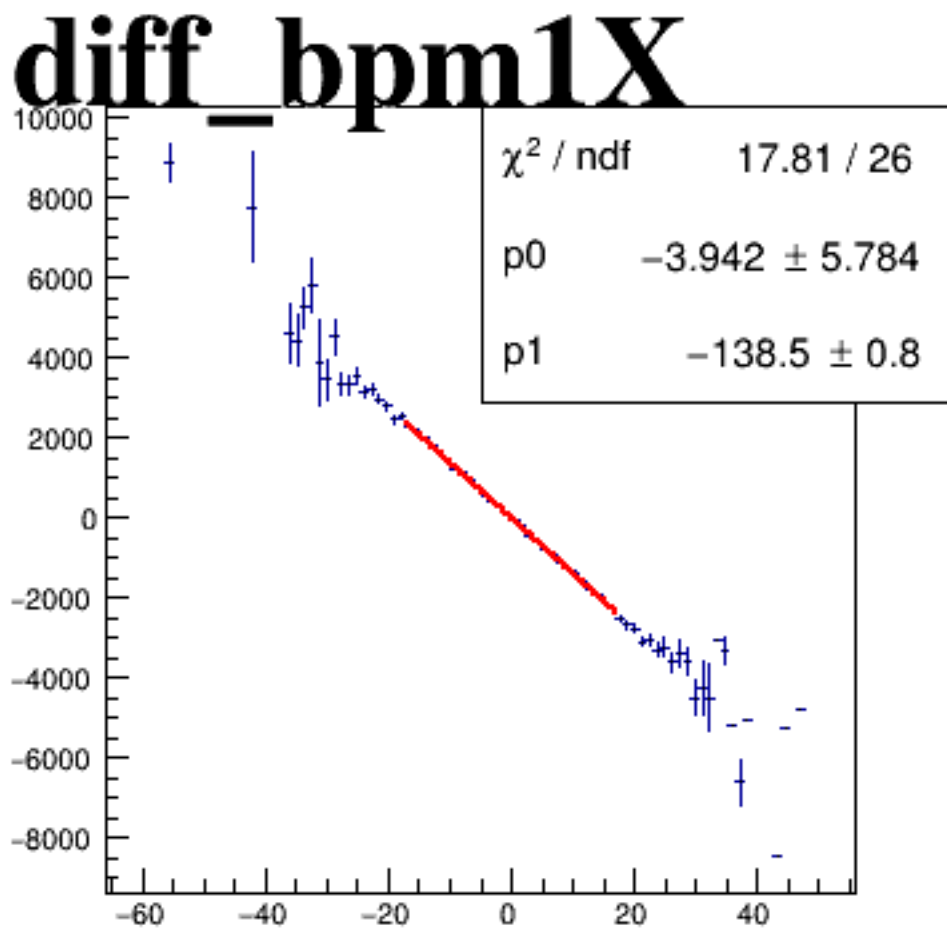
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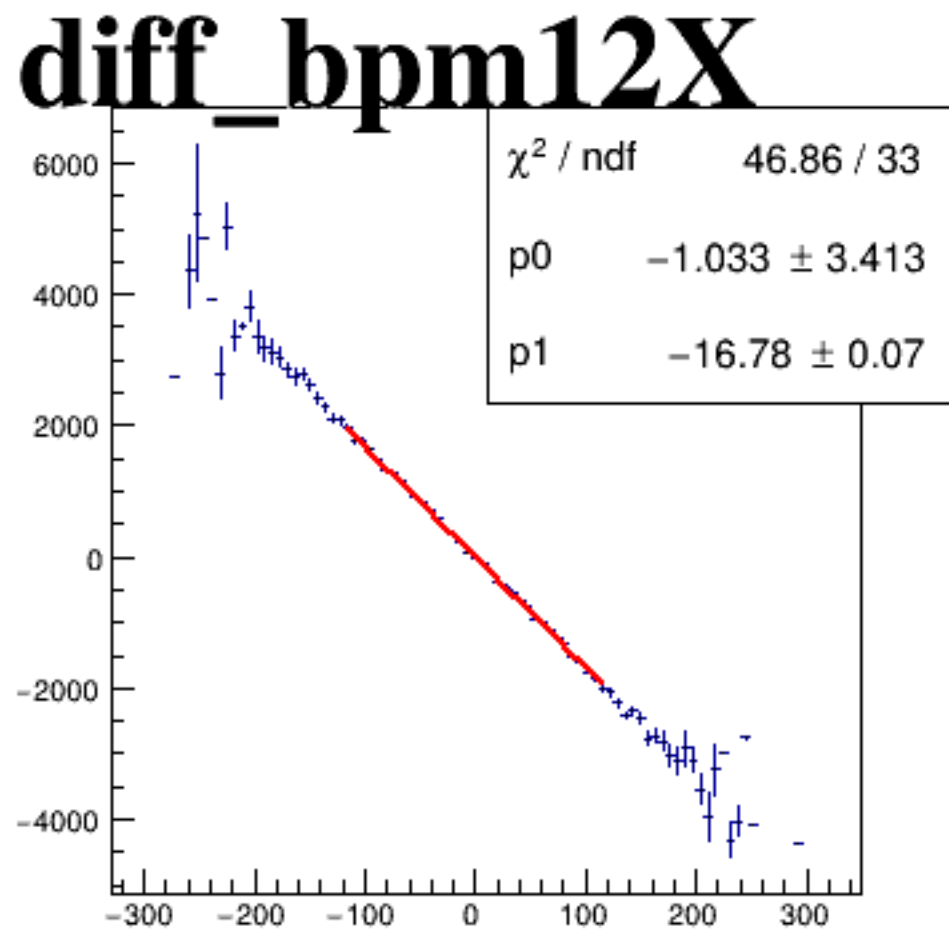
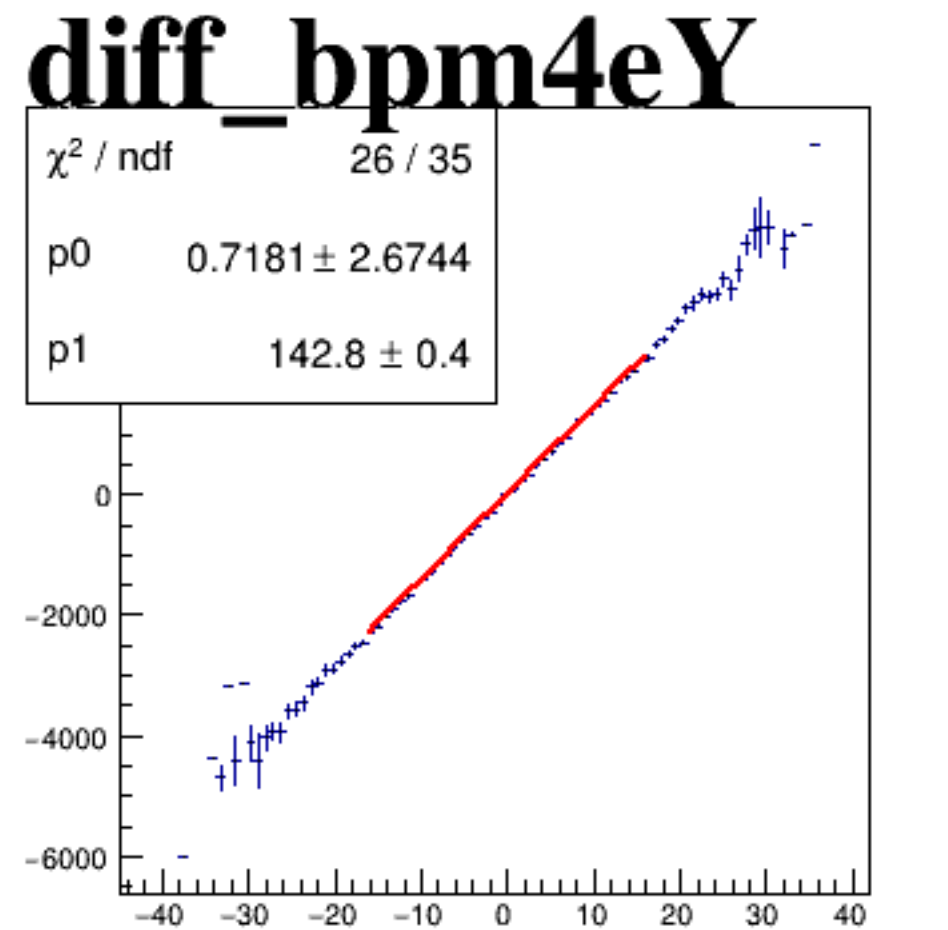
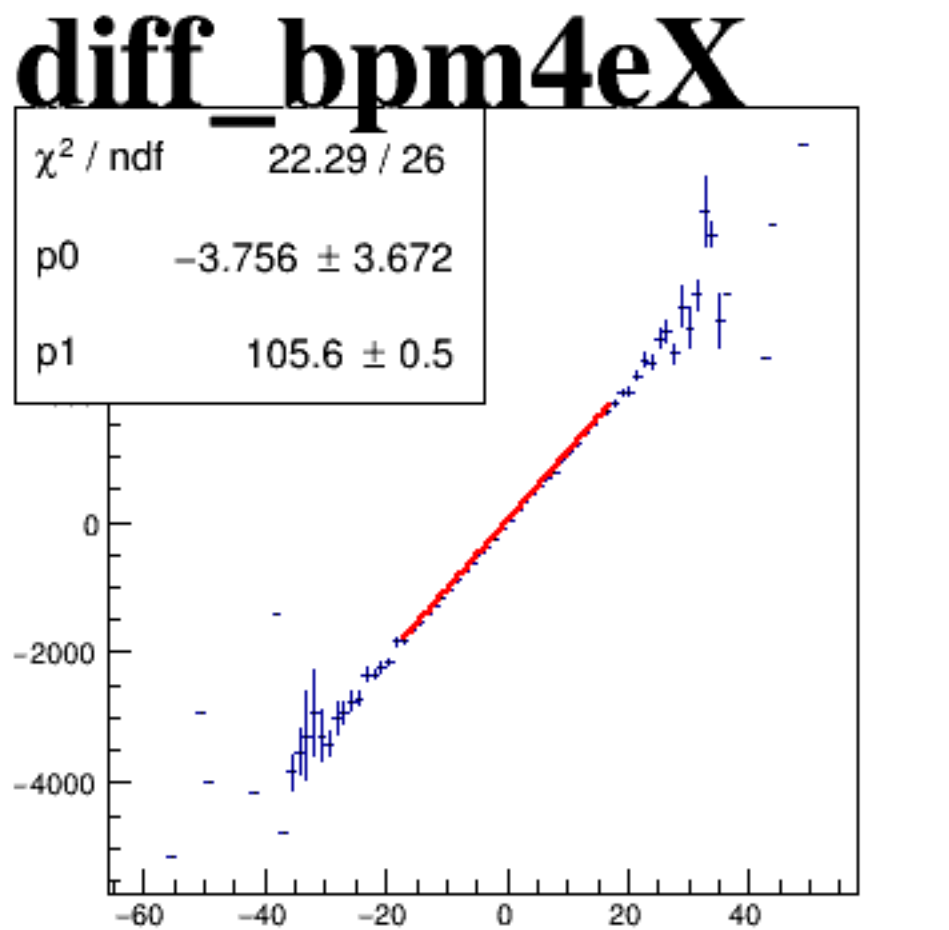
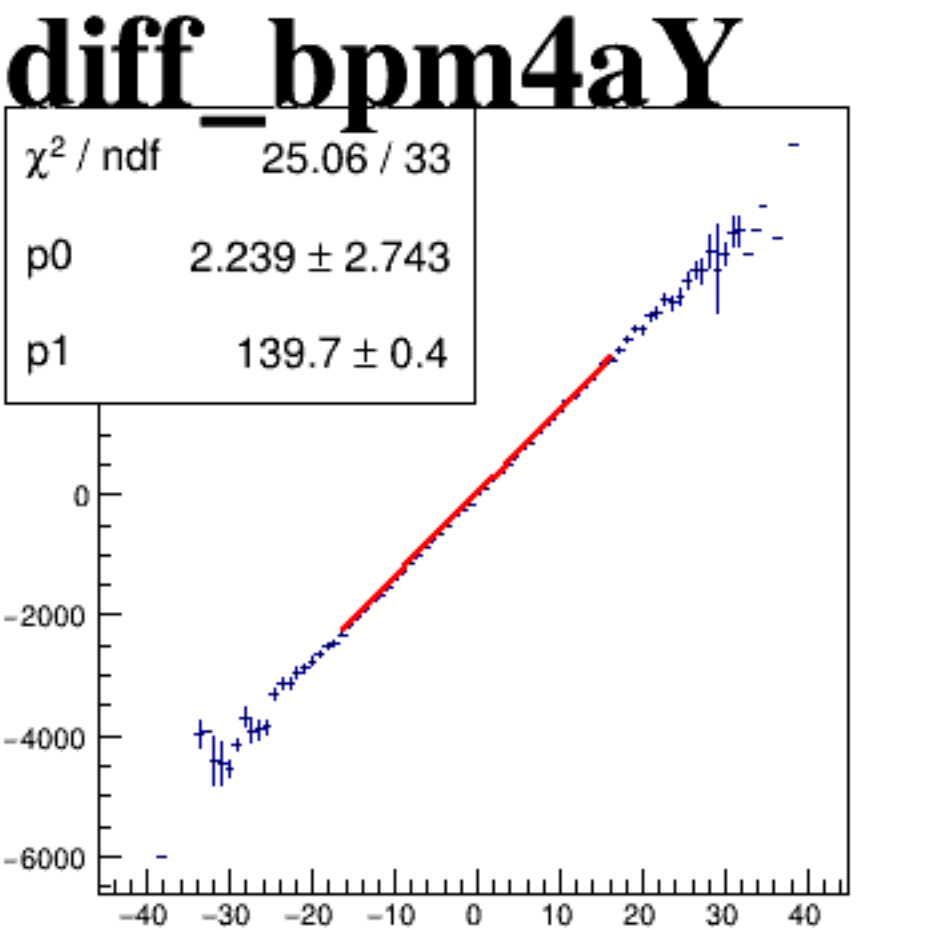
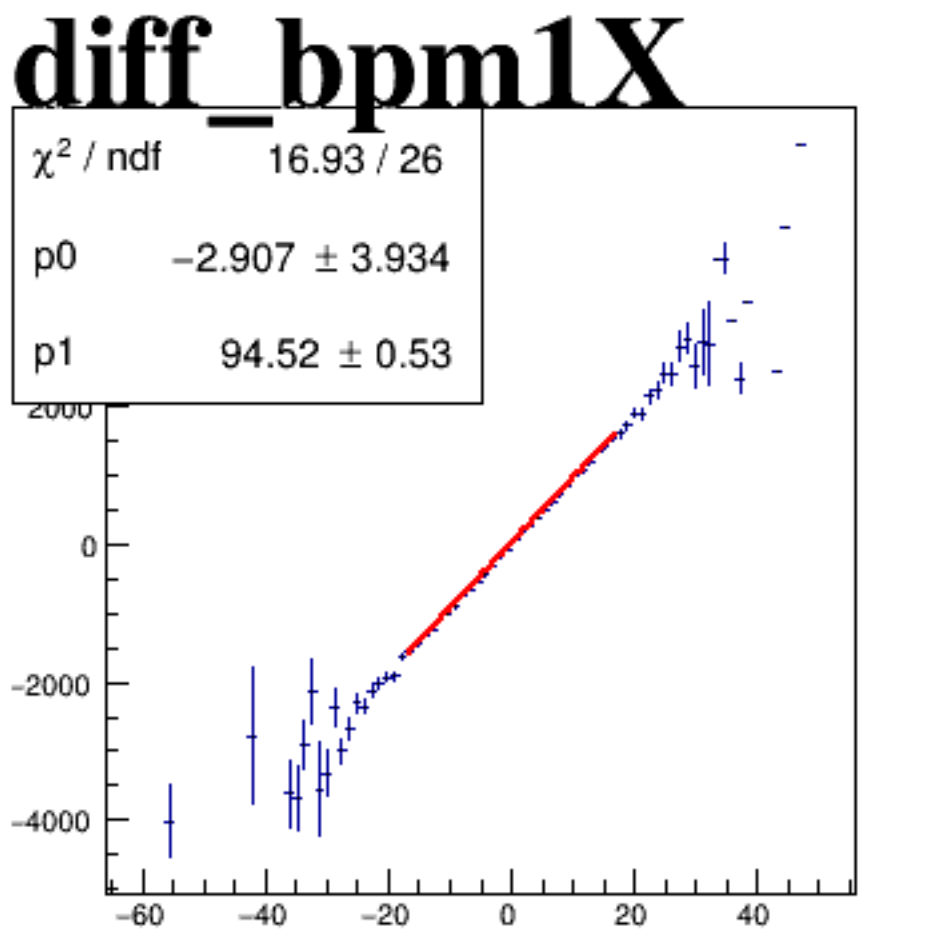
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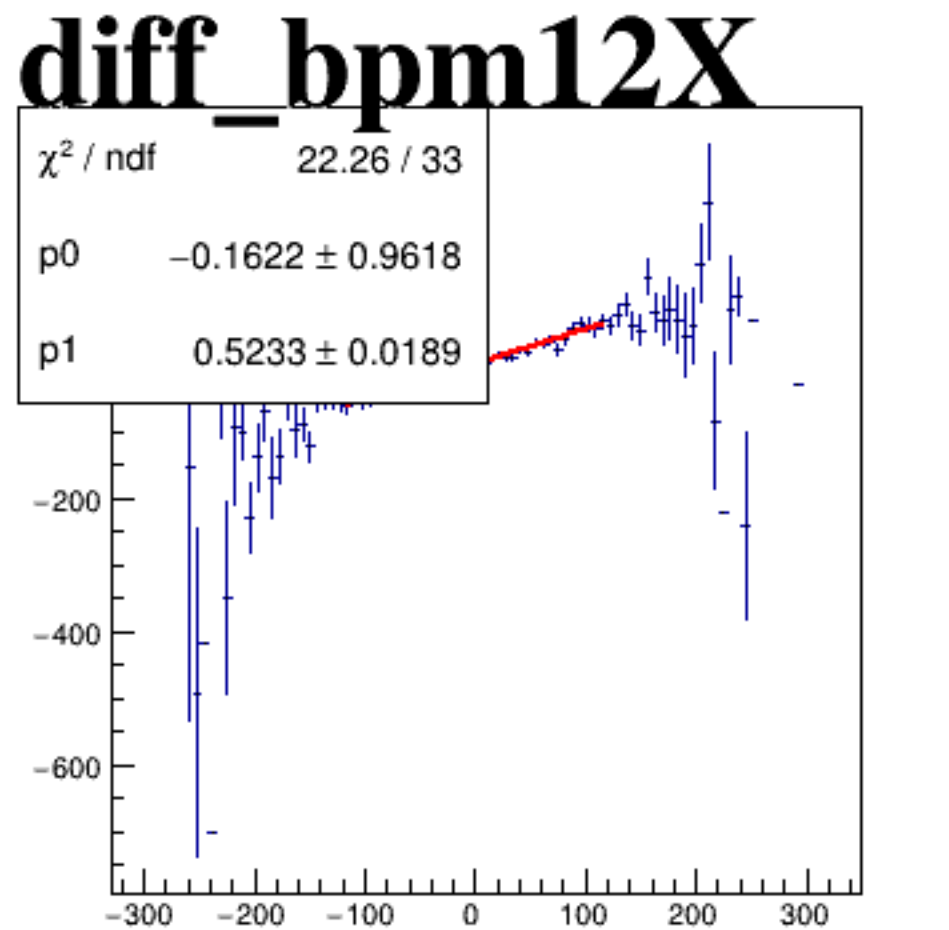
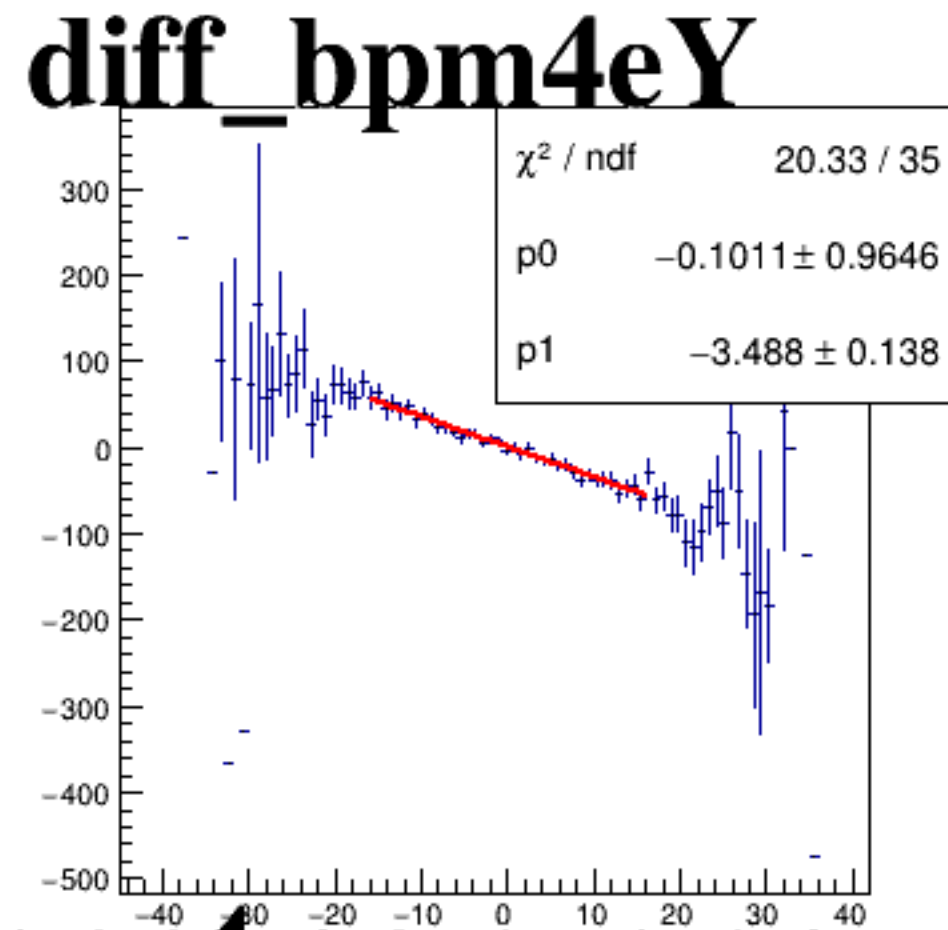
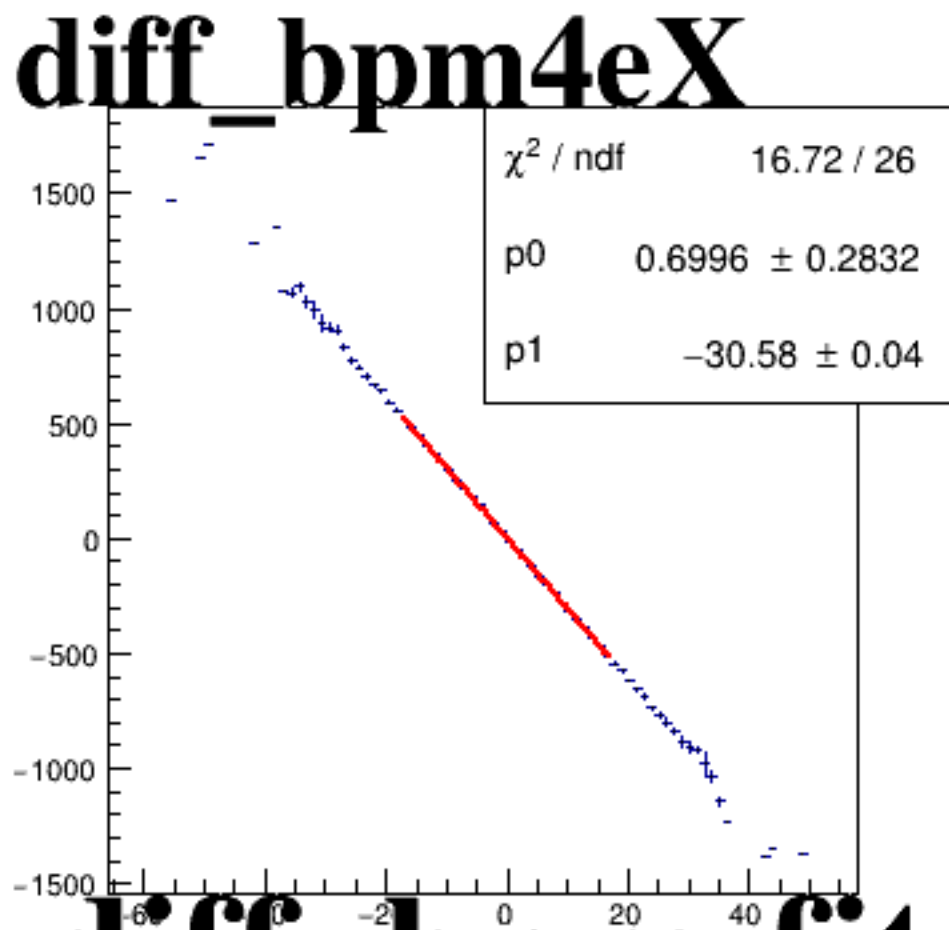
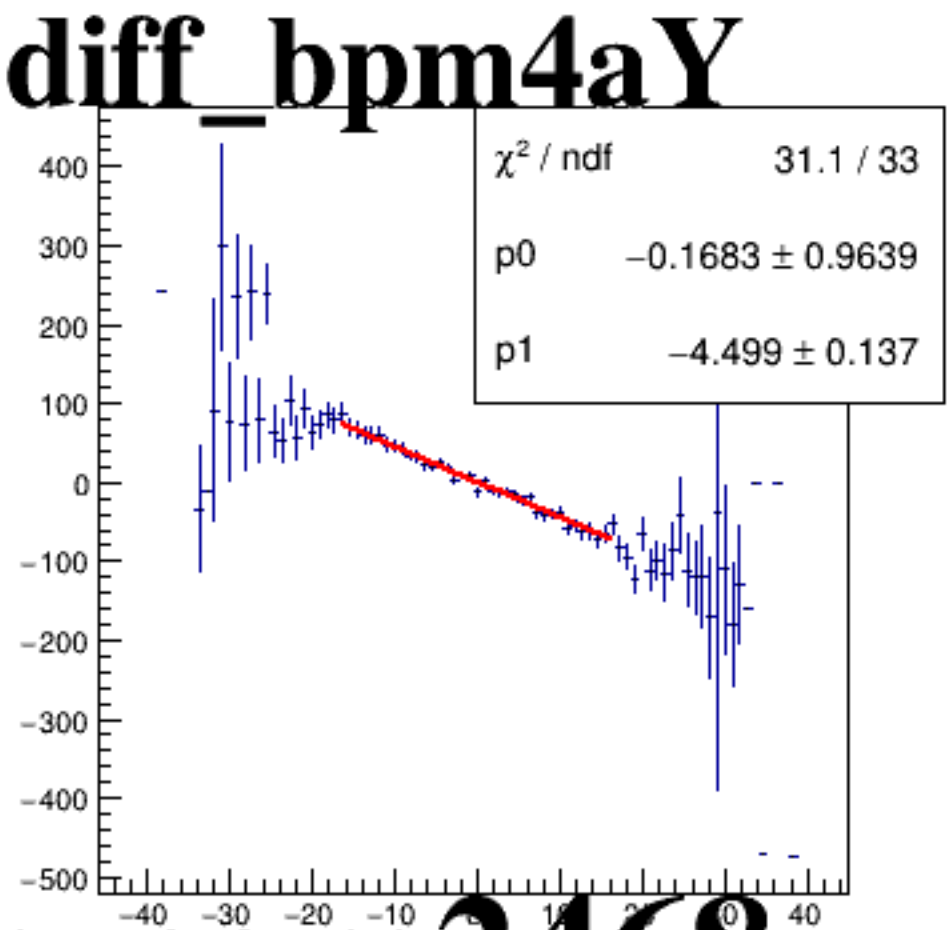
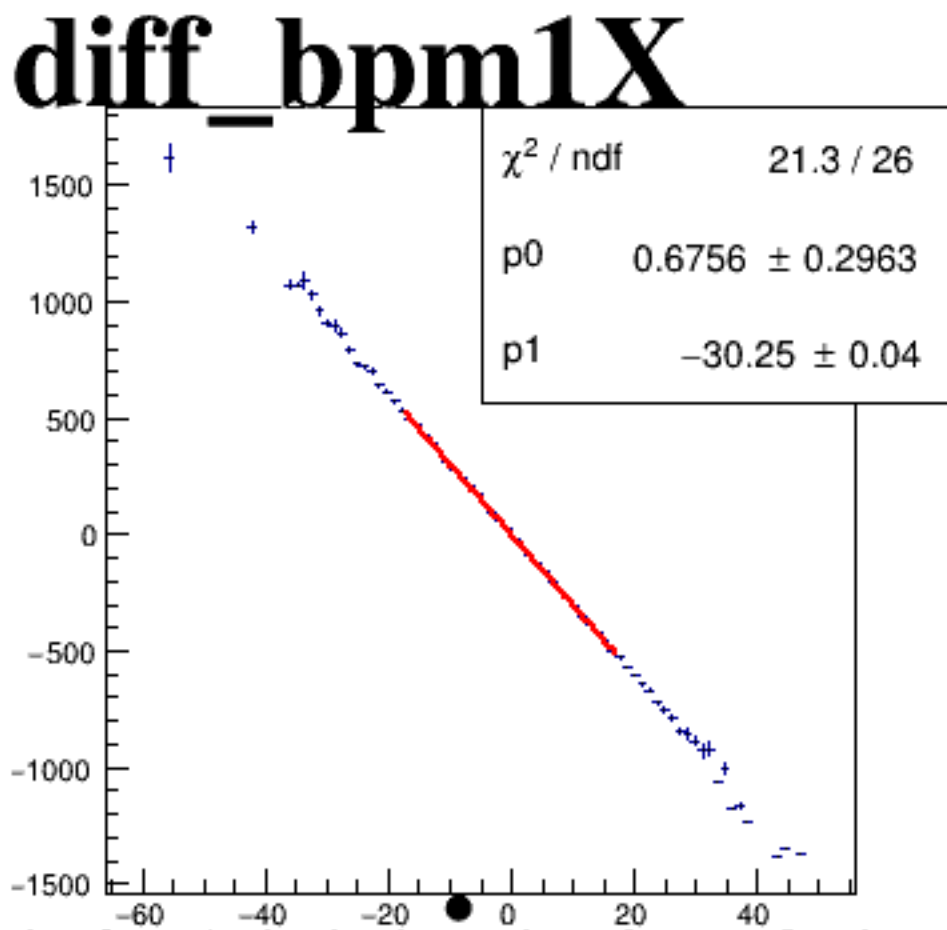
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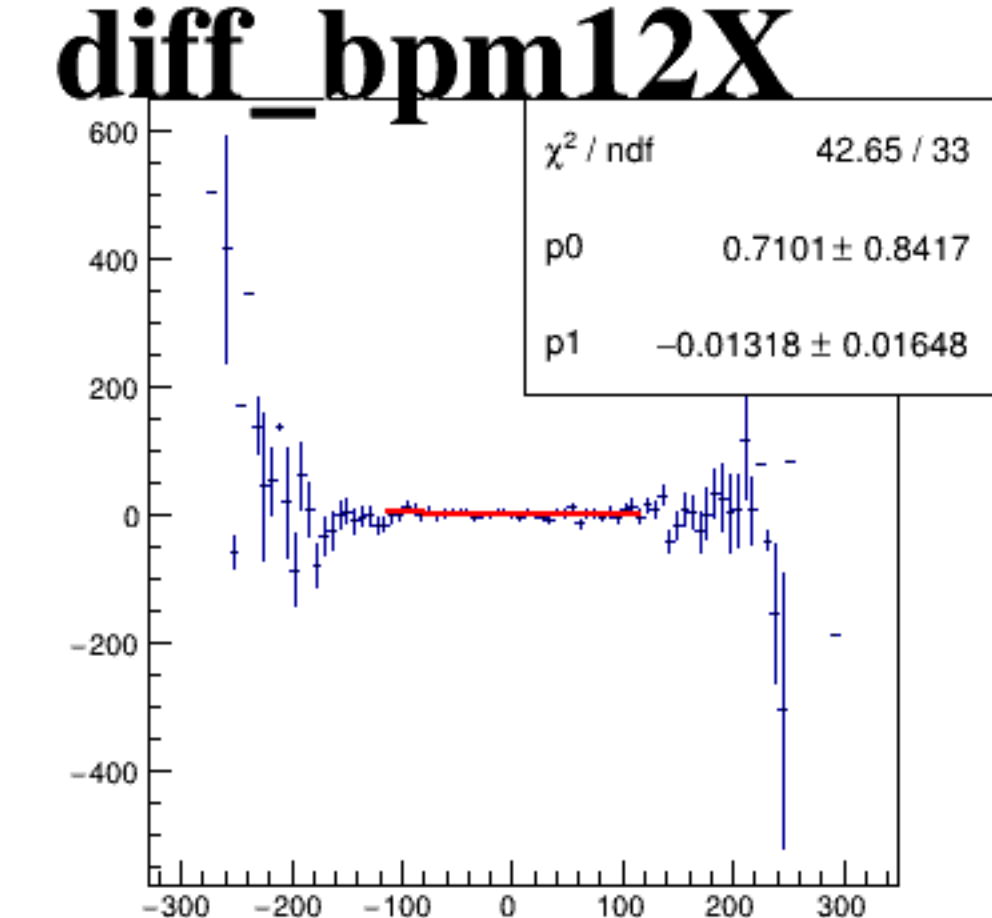
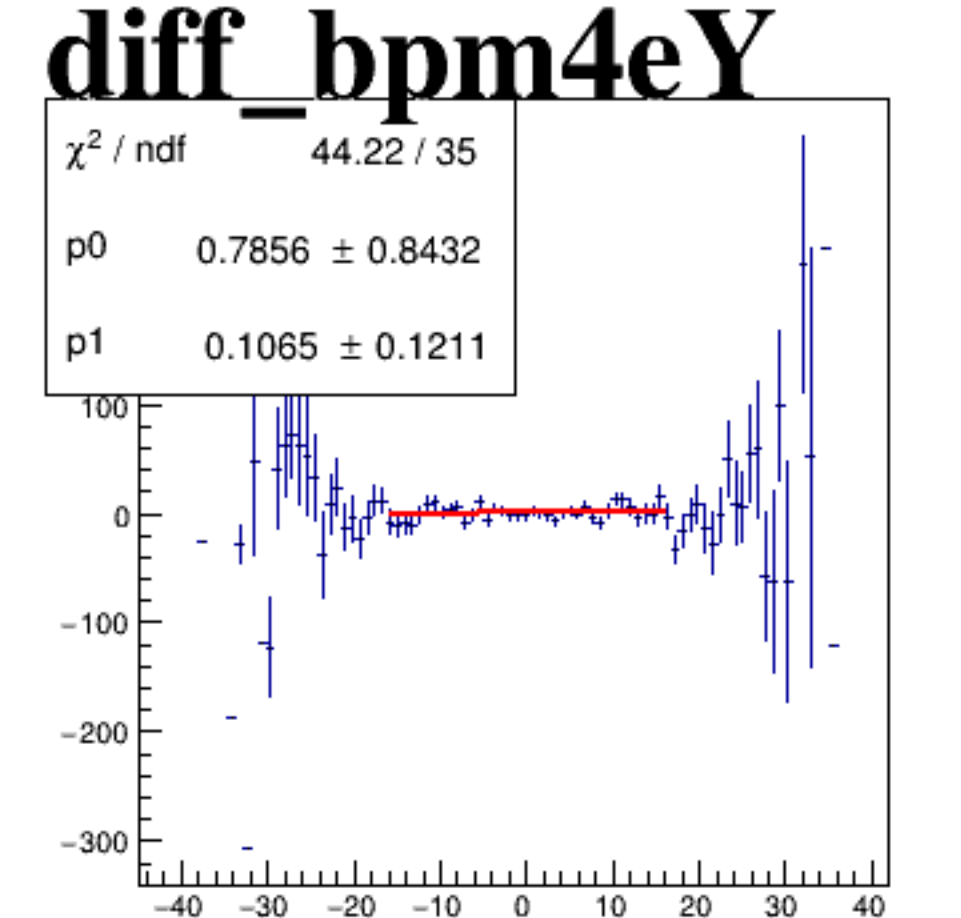
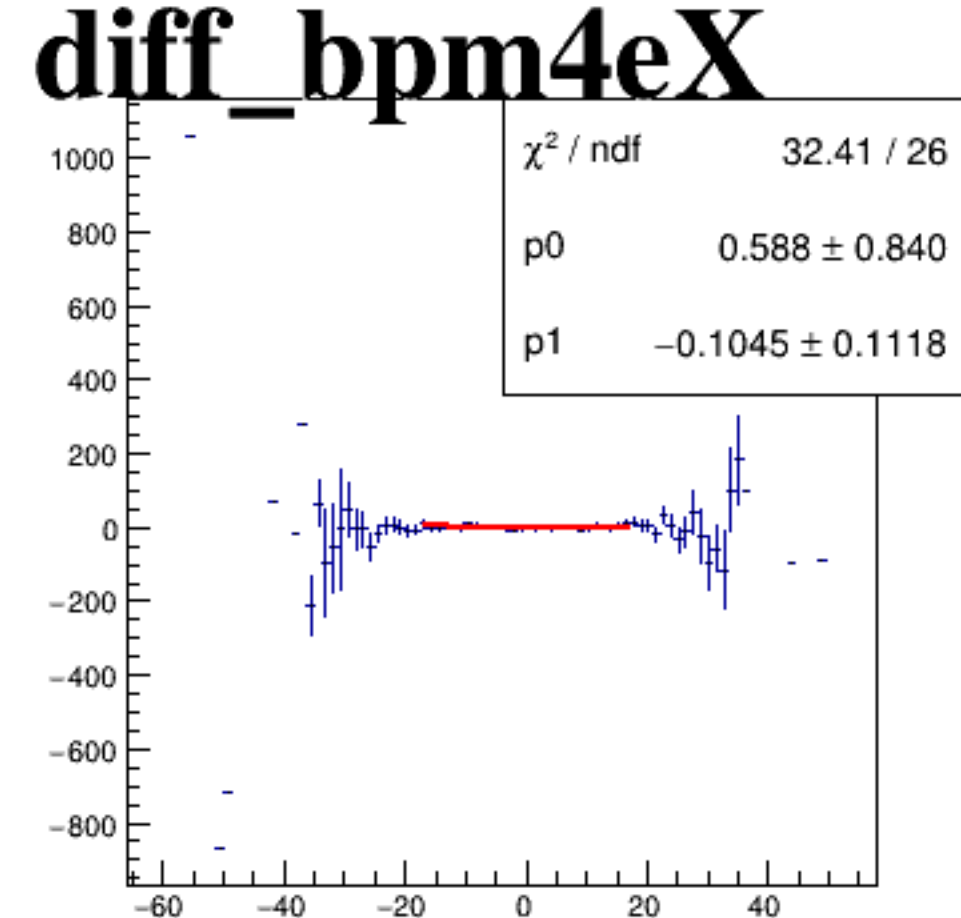
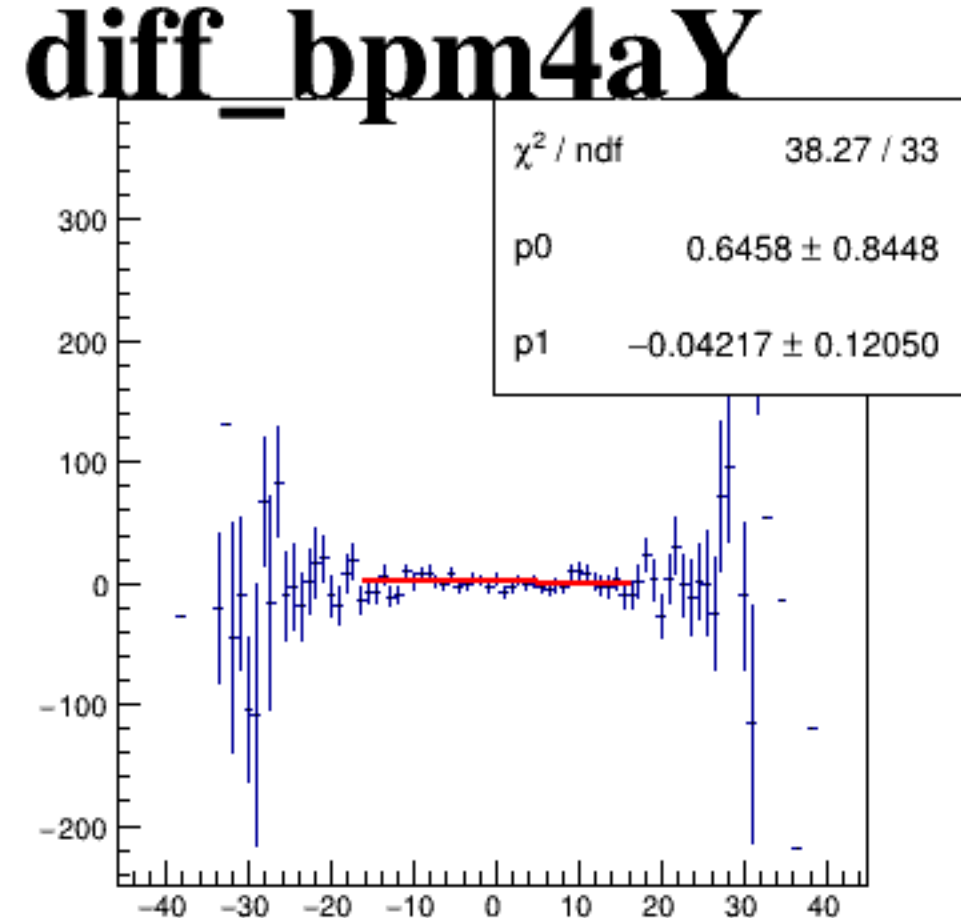
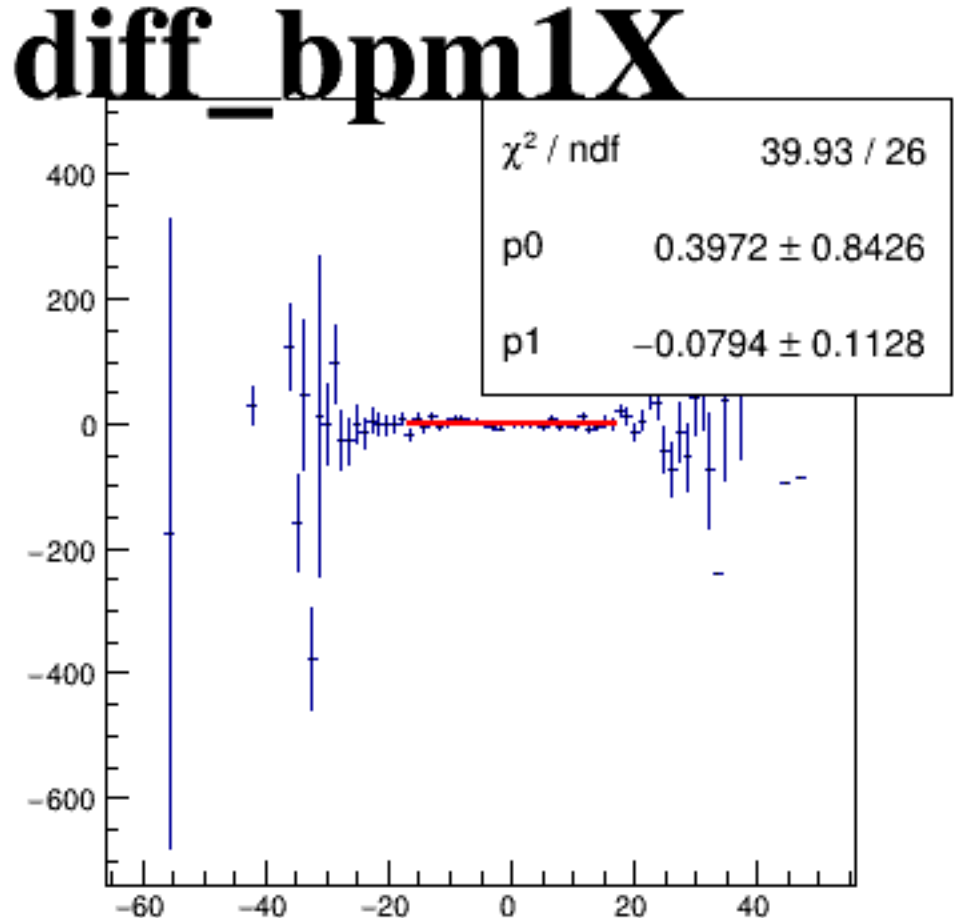
asym_sam6



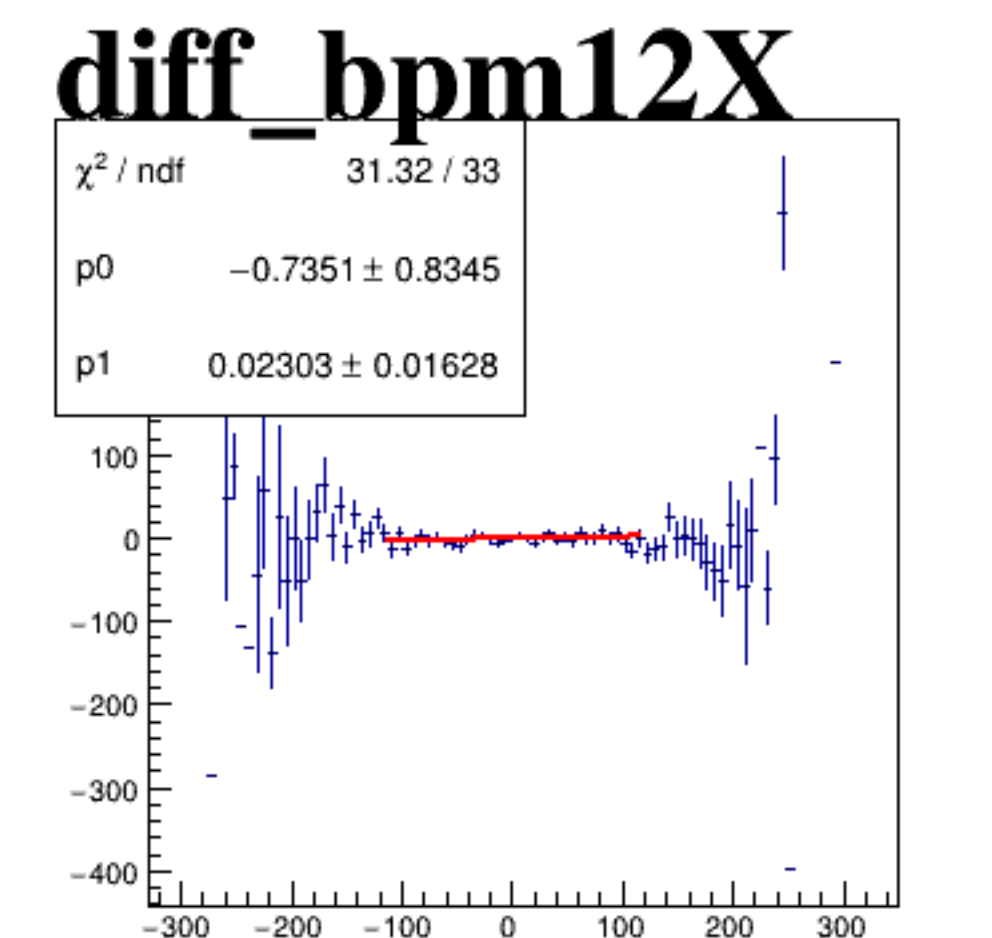
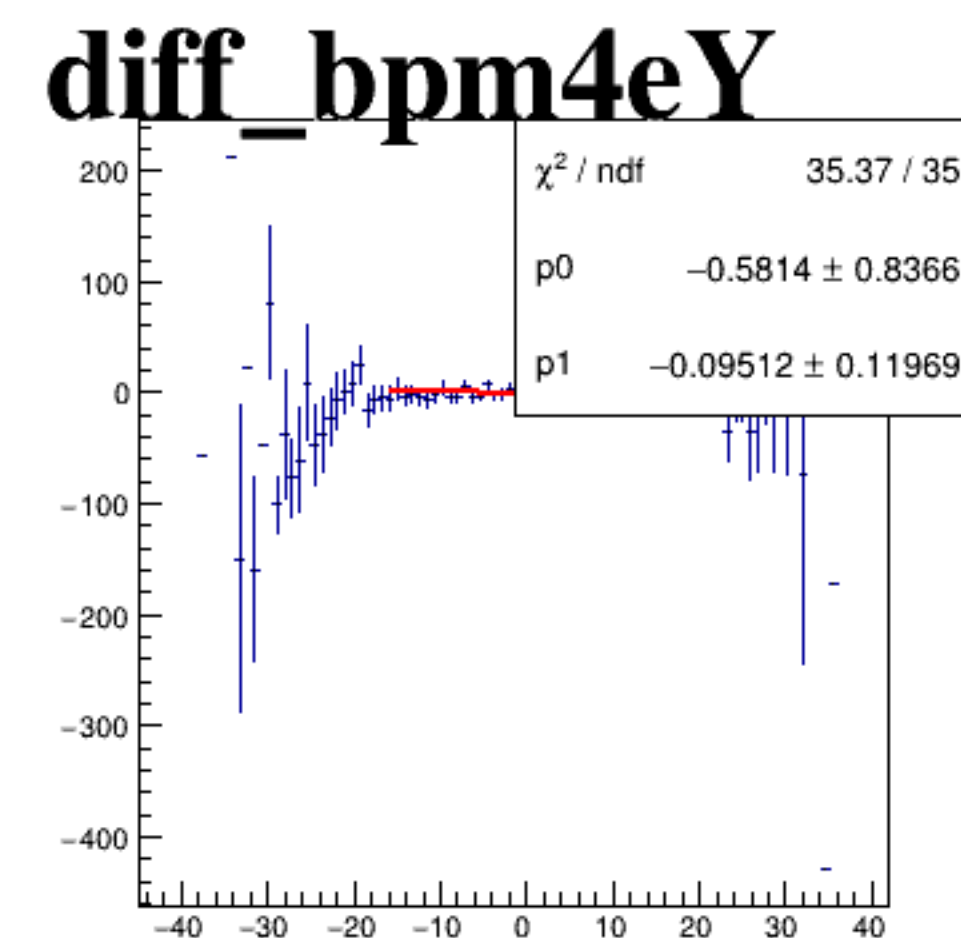
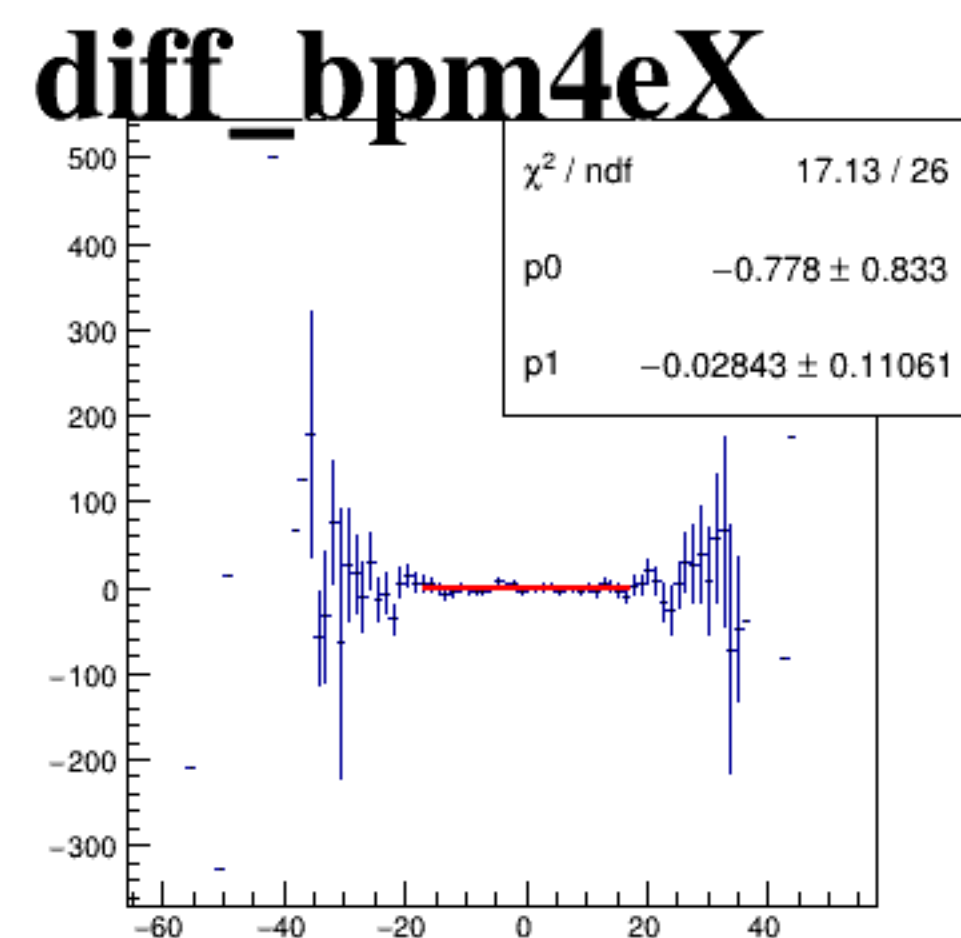
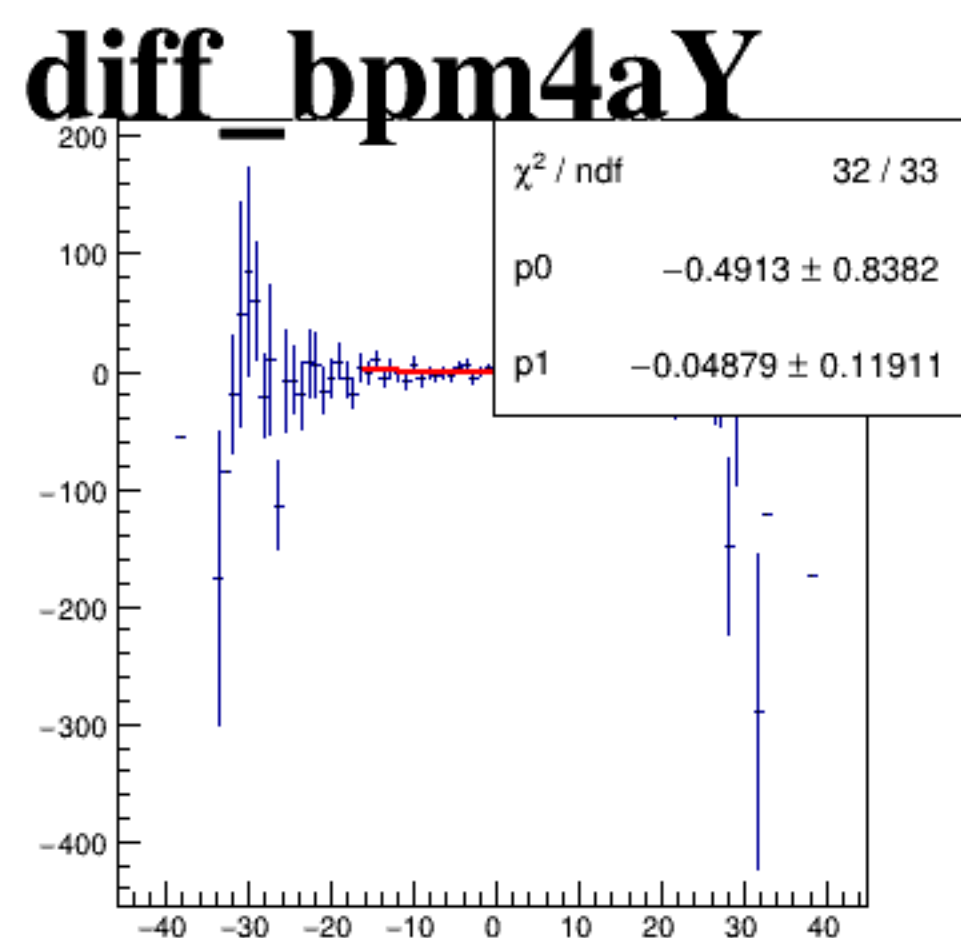
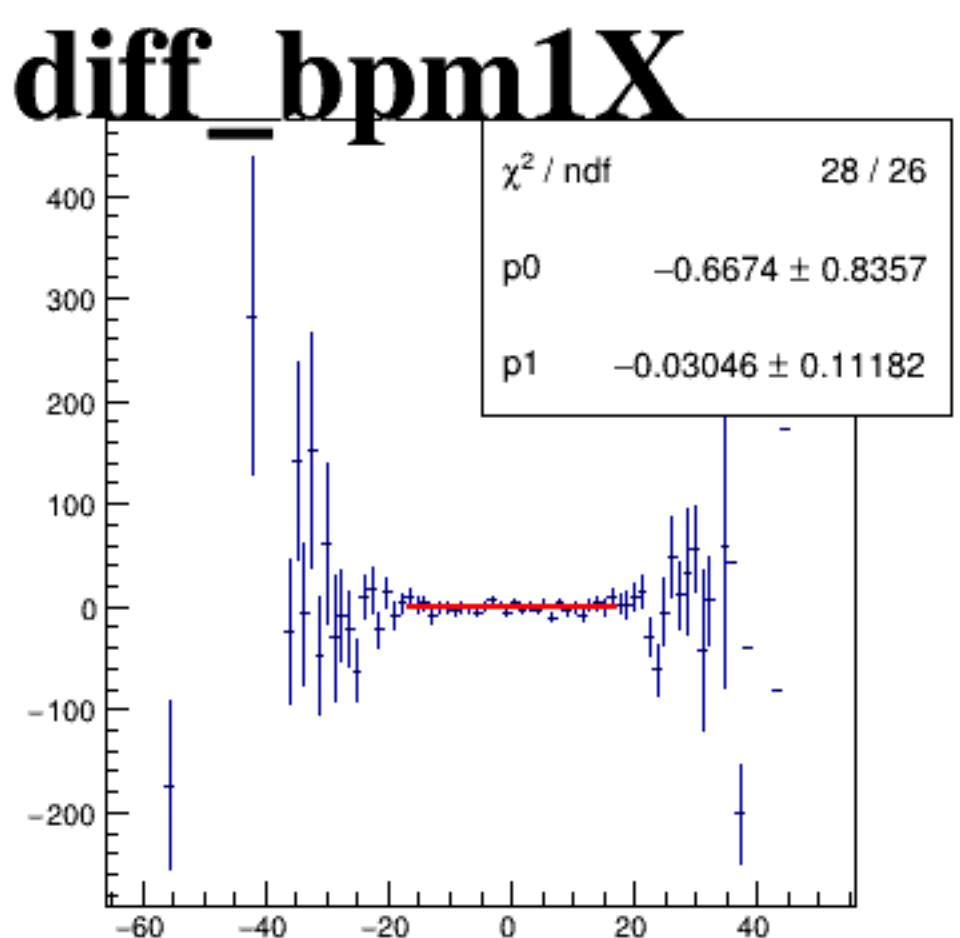
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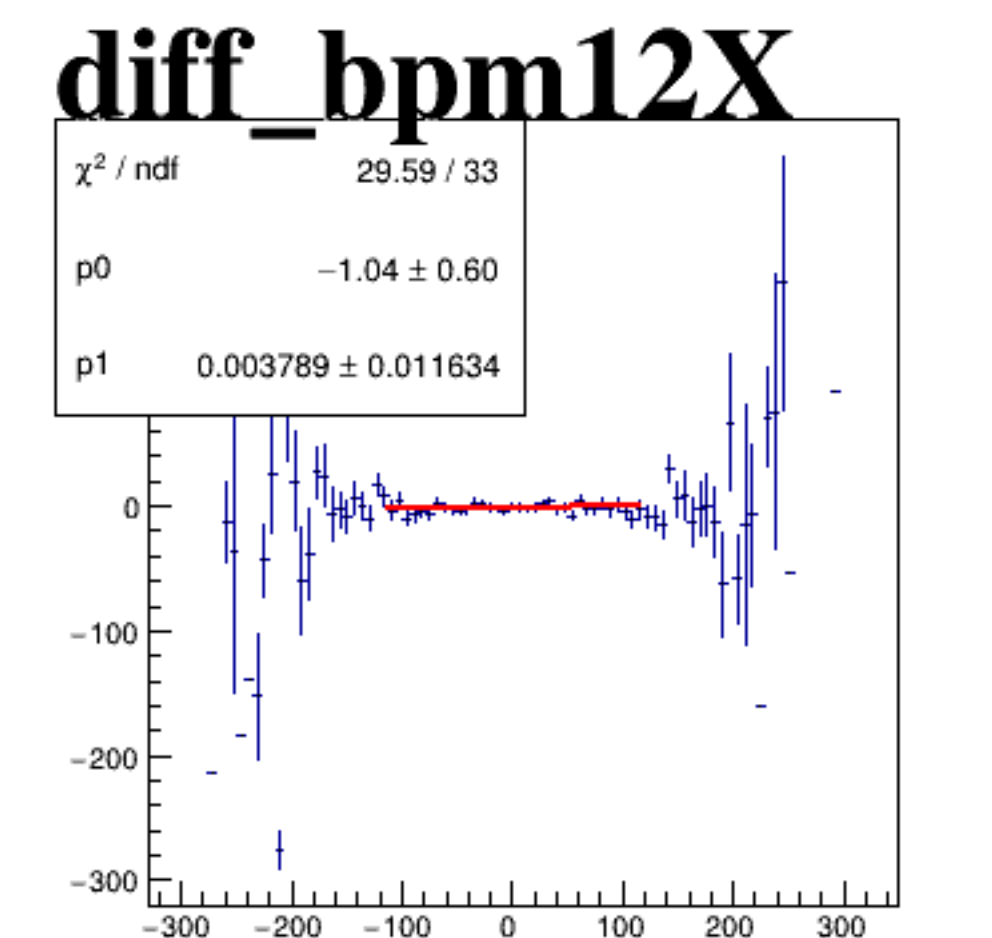
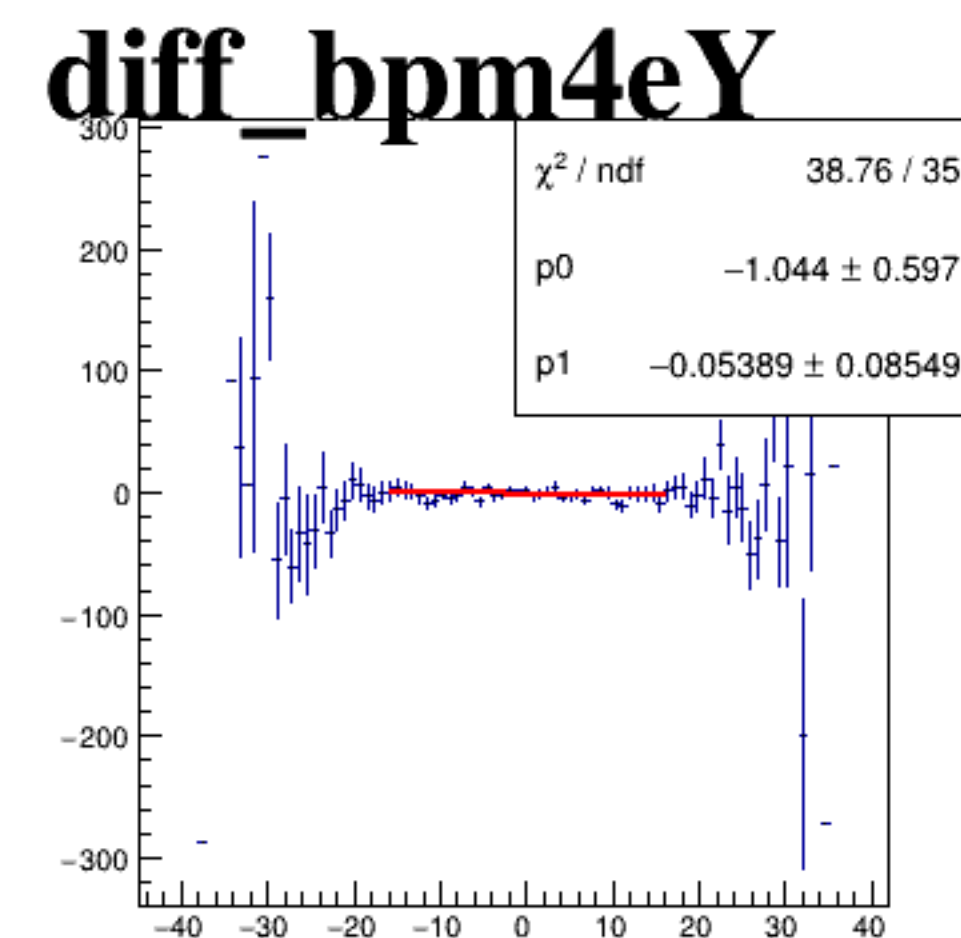
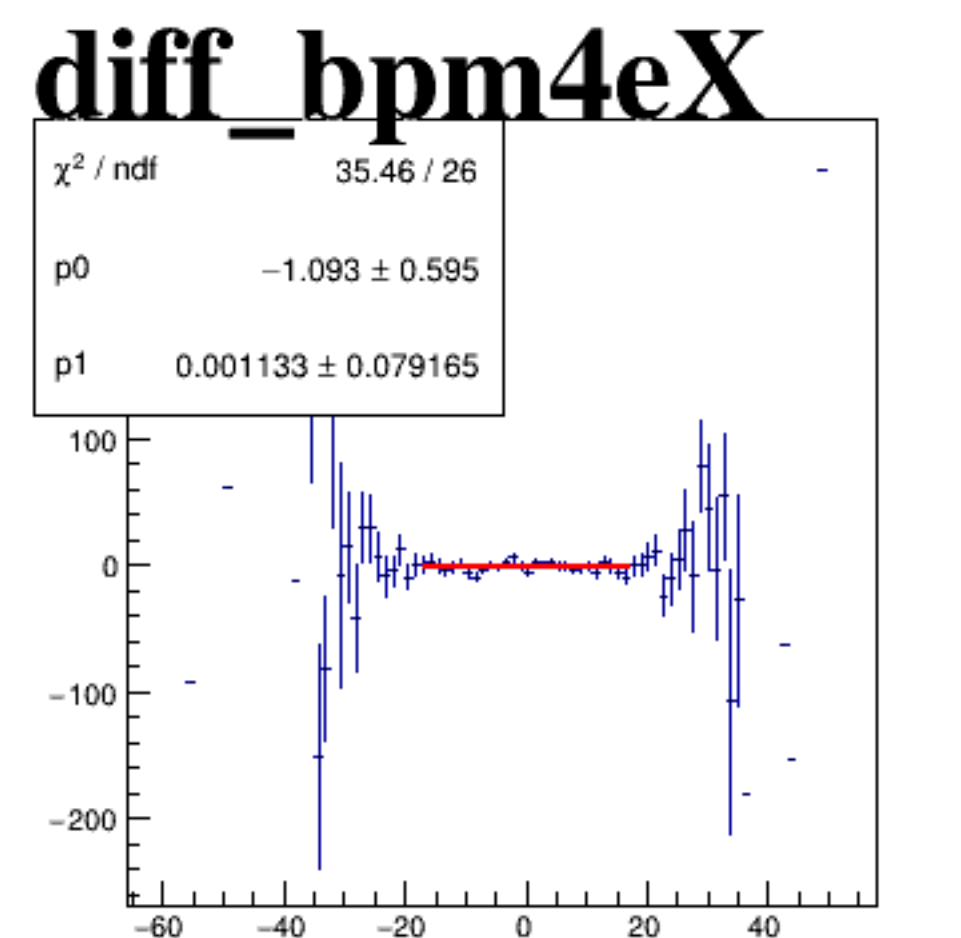
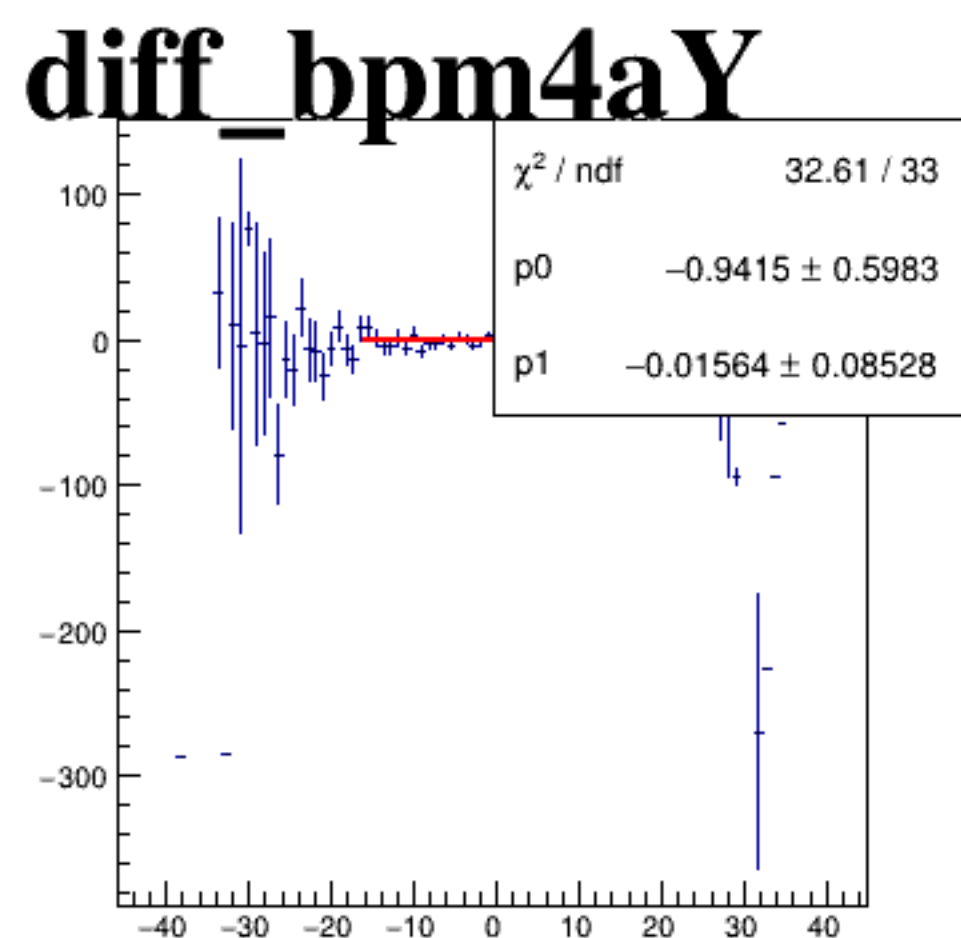
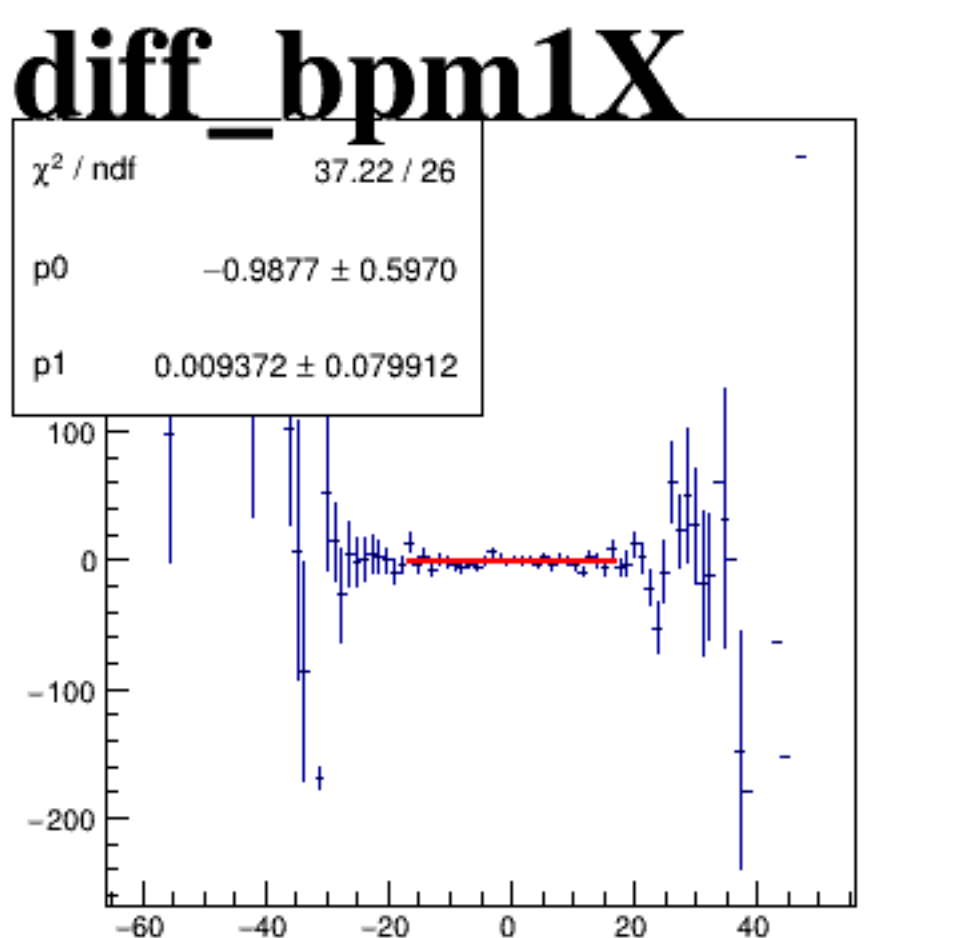
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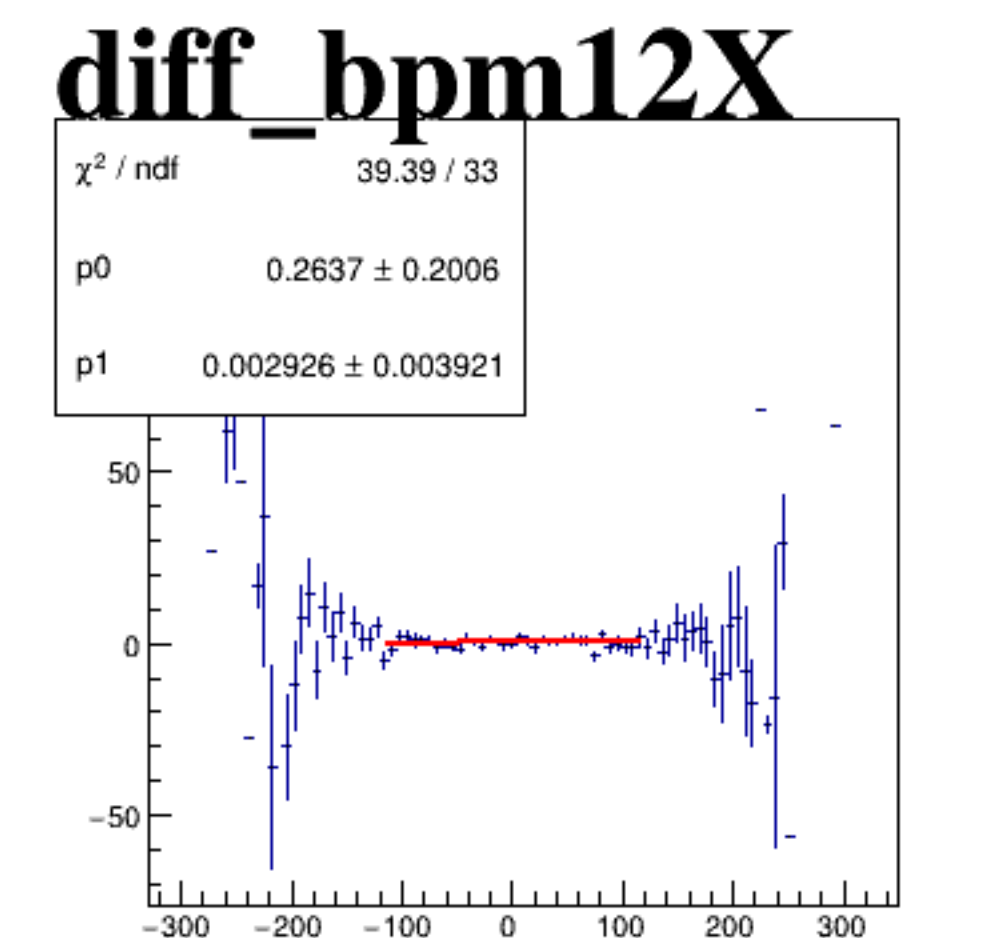
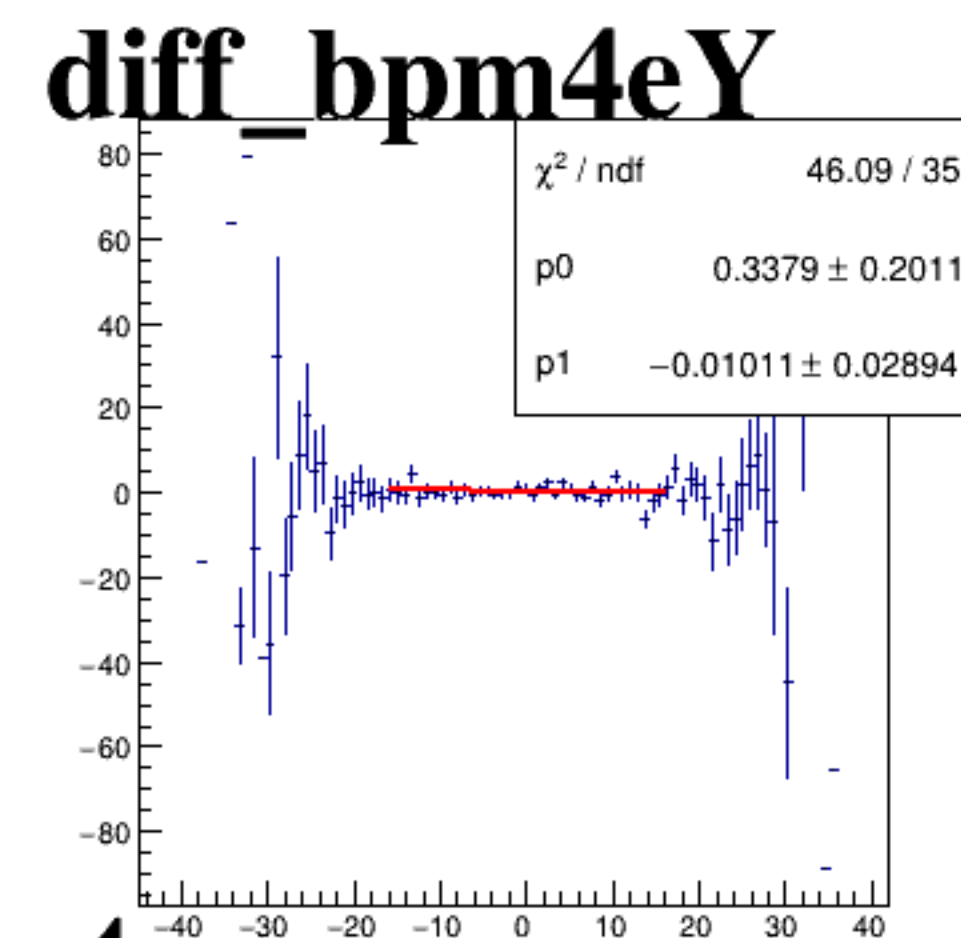
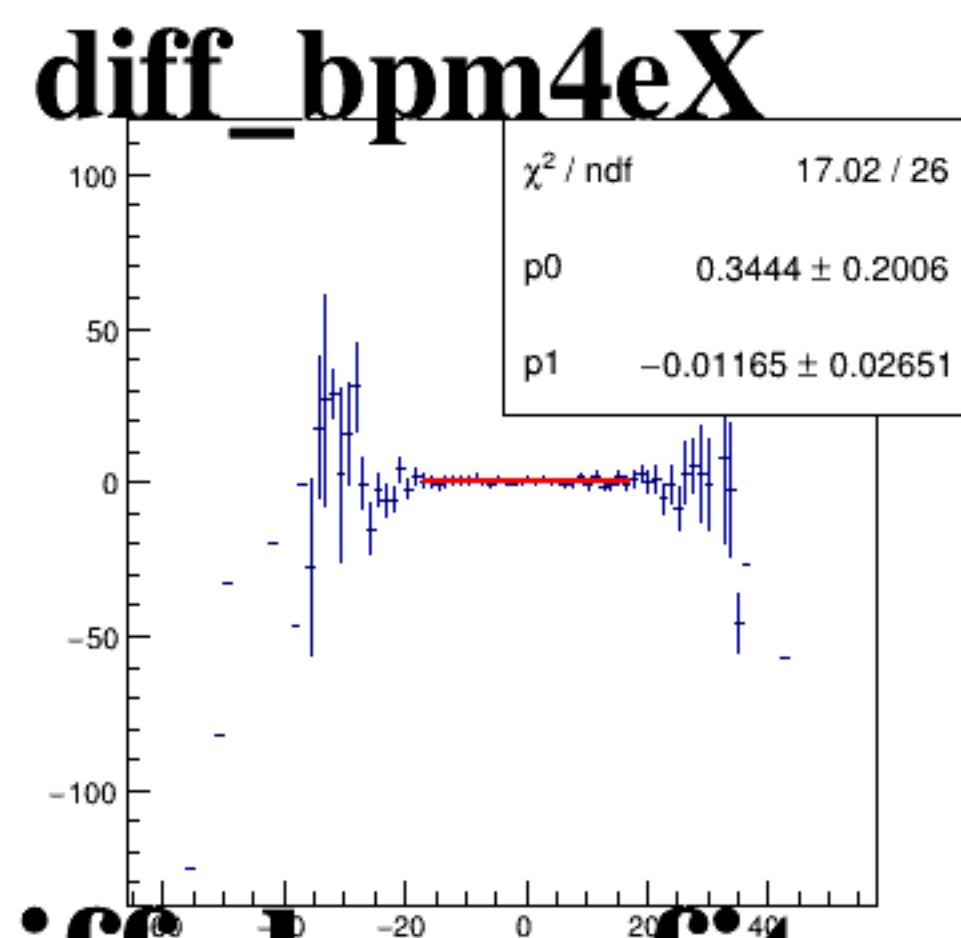
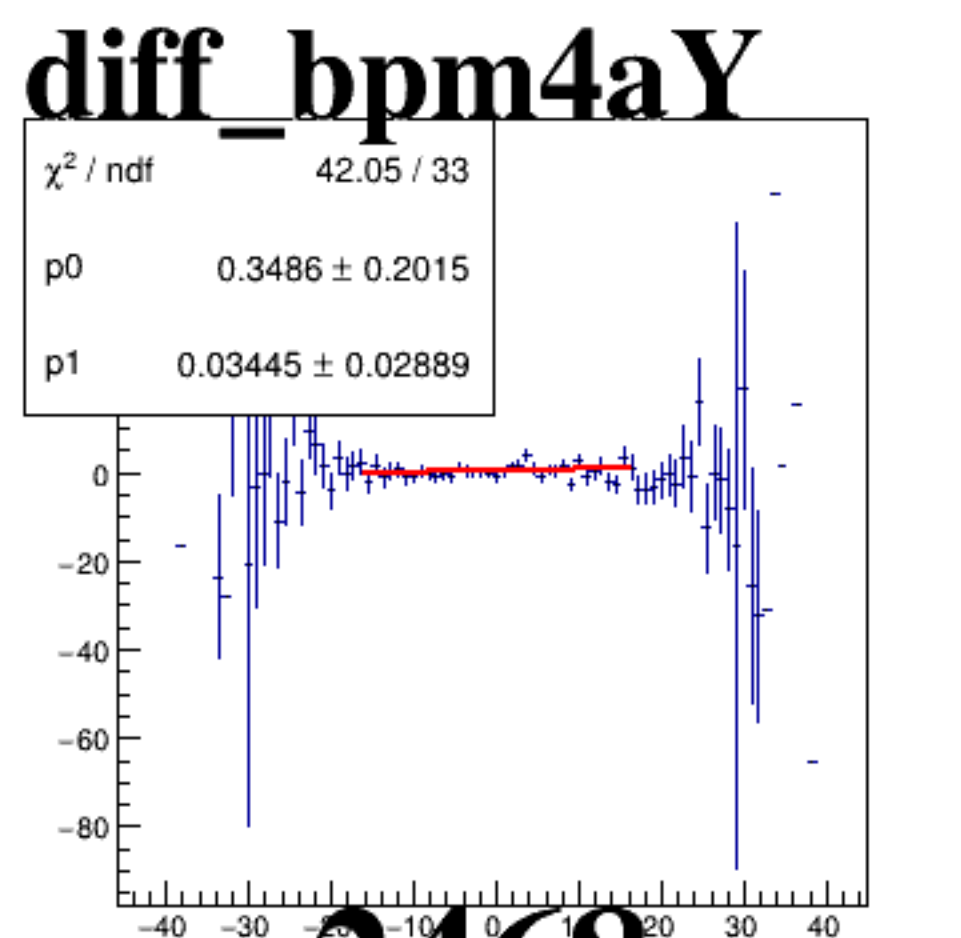
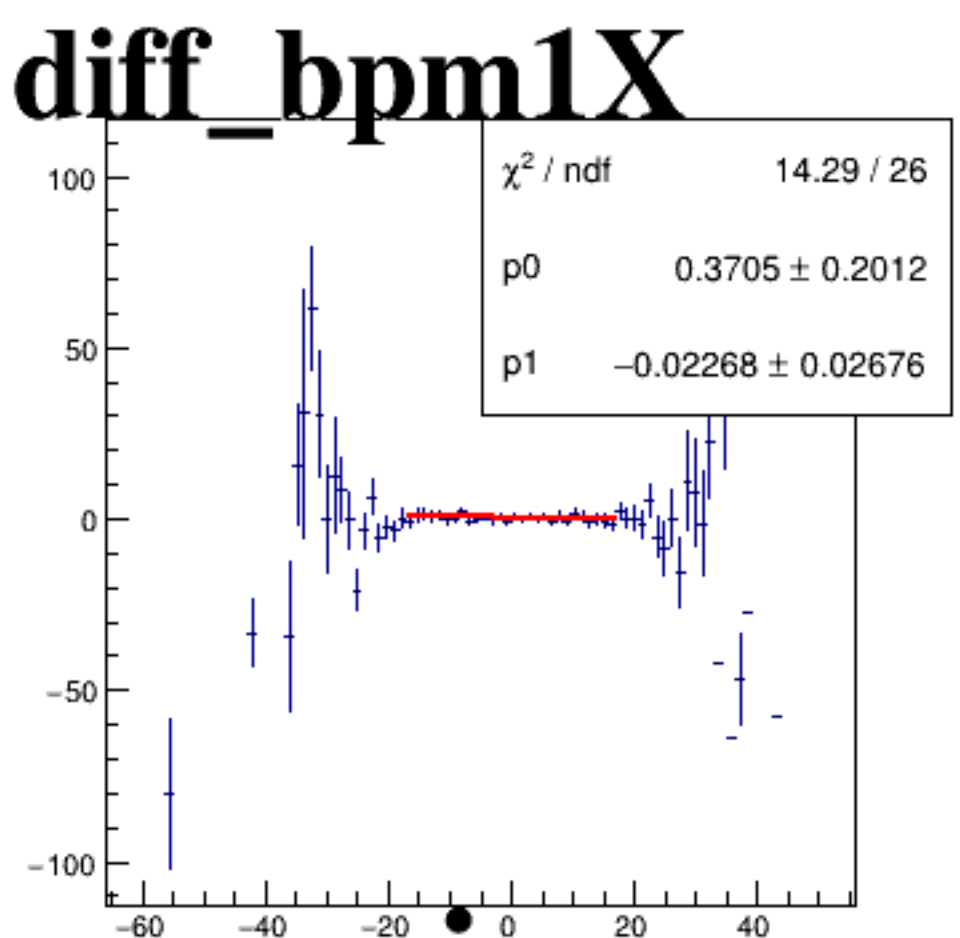
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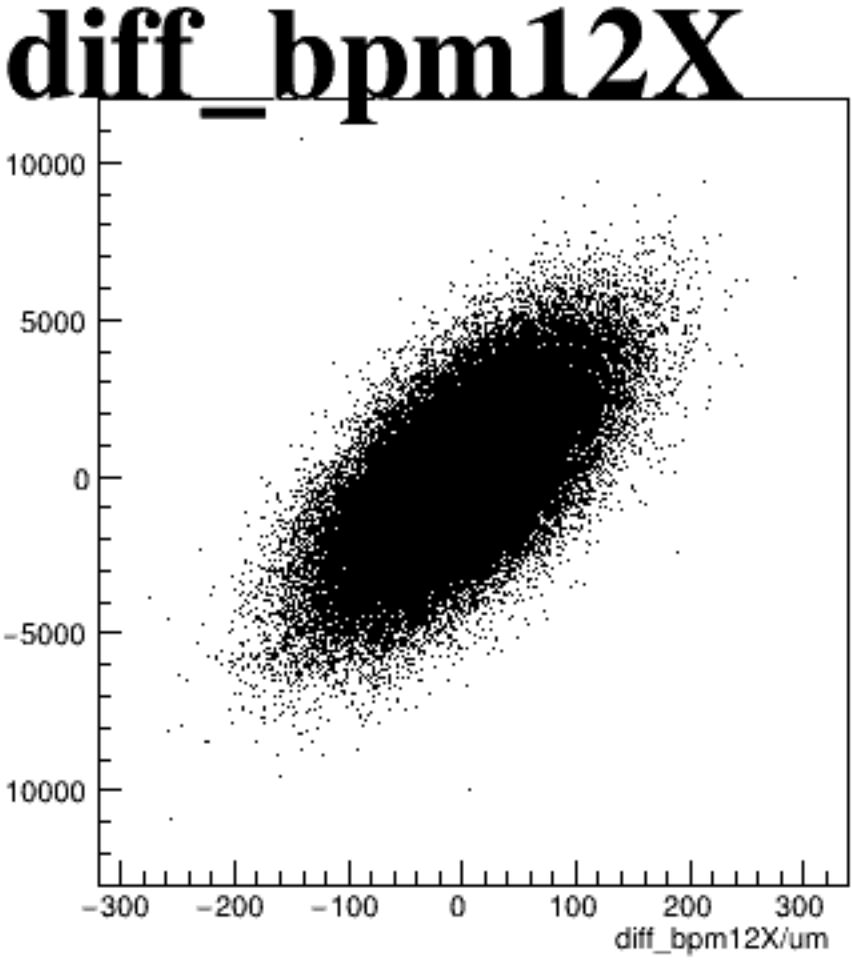
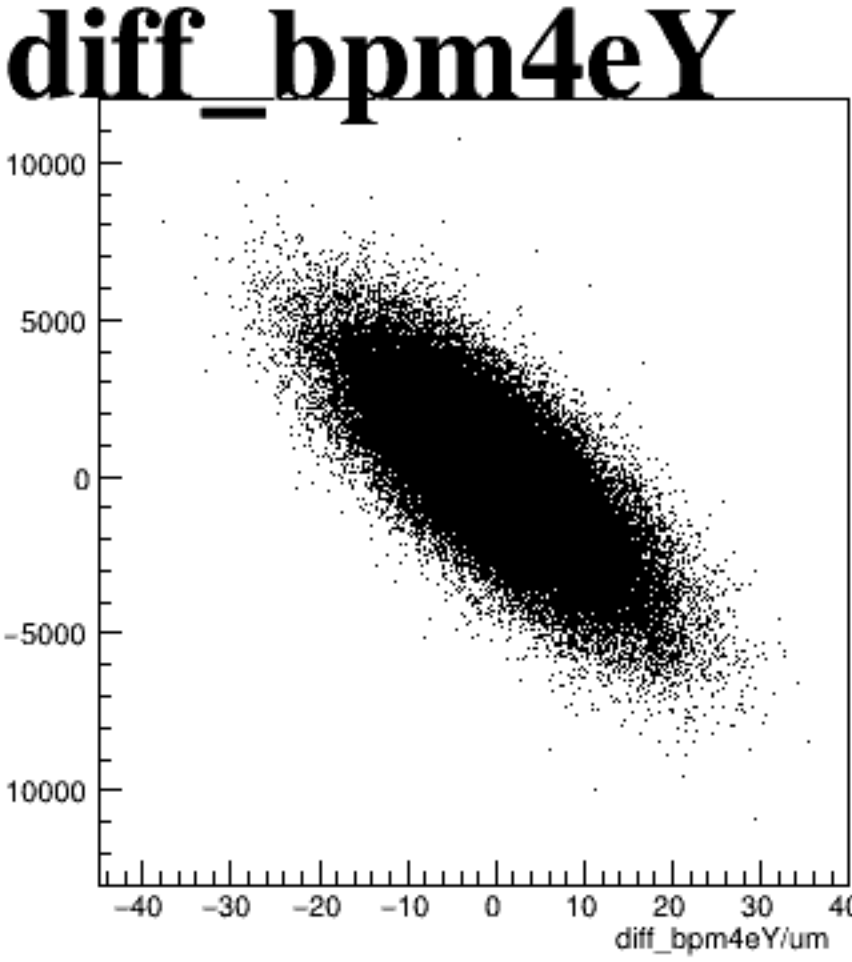
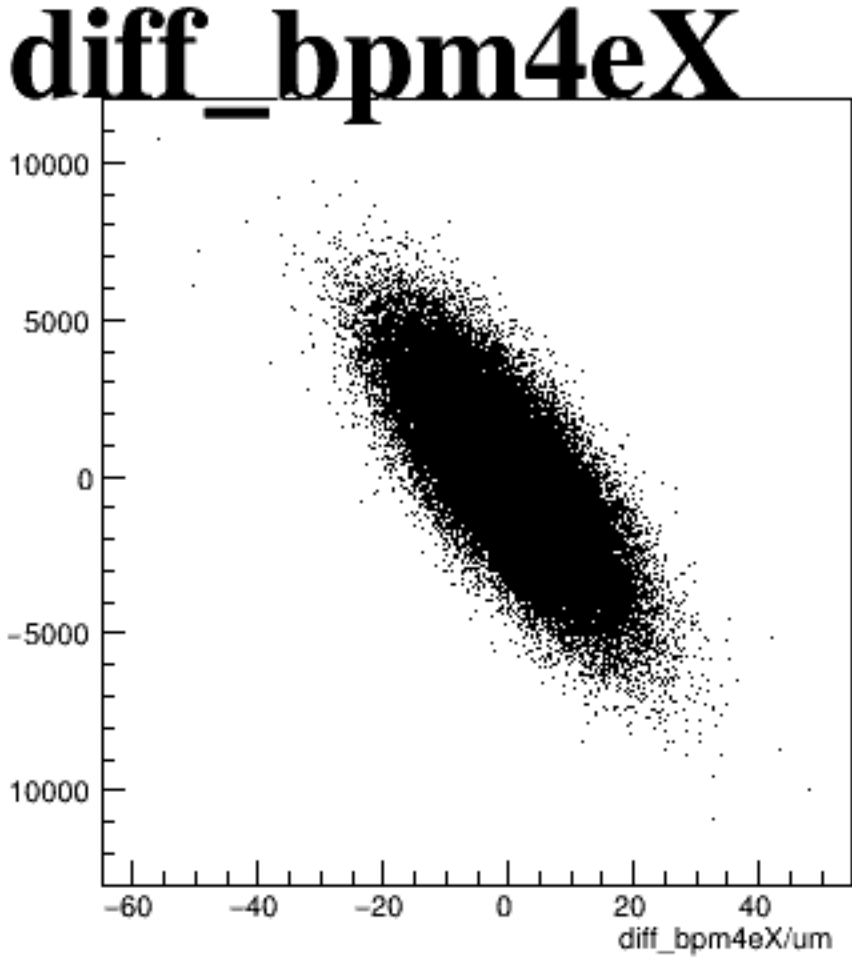
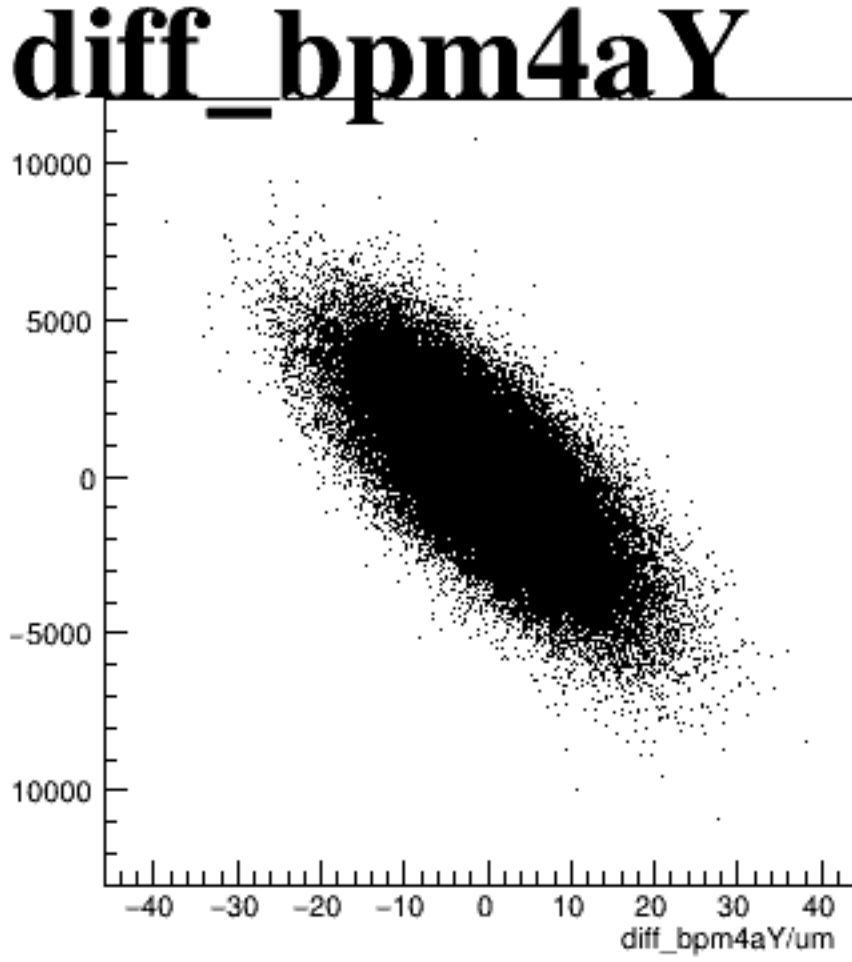
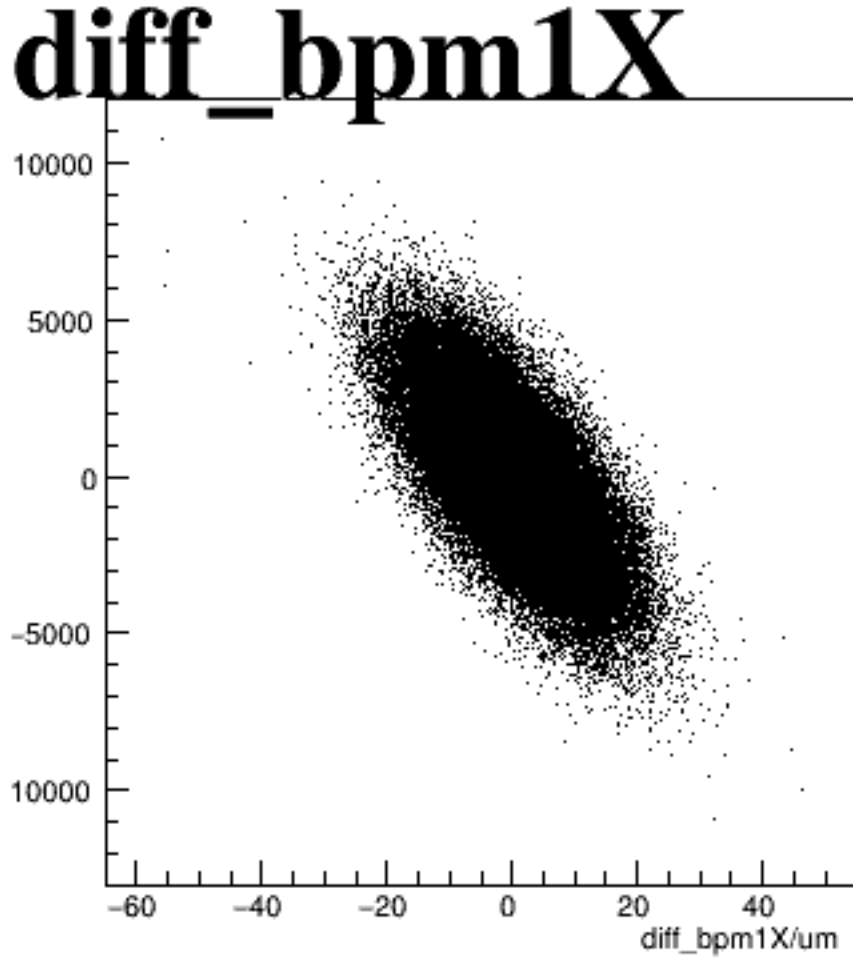
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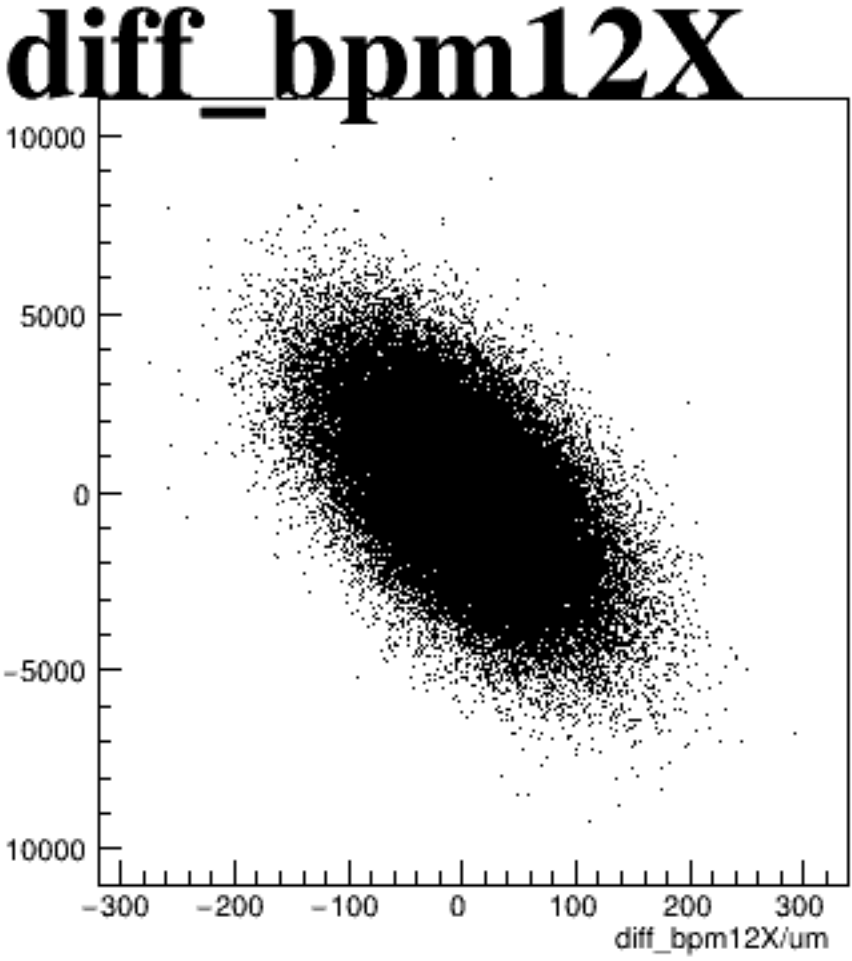
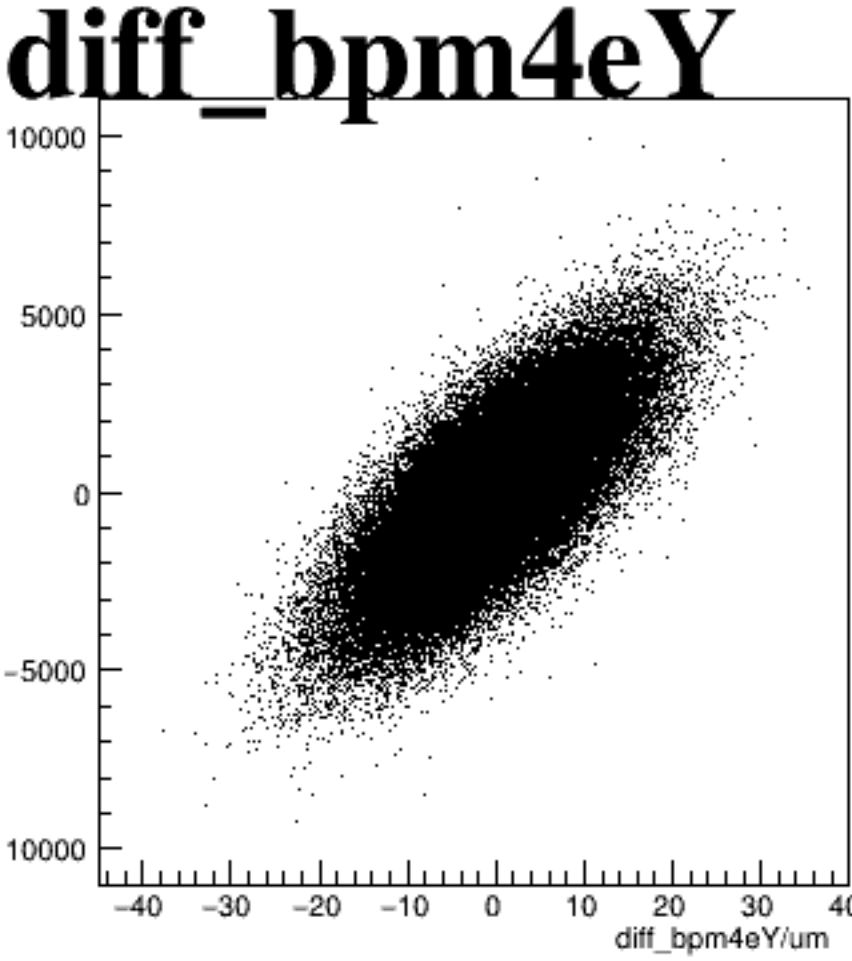
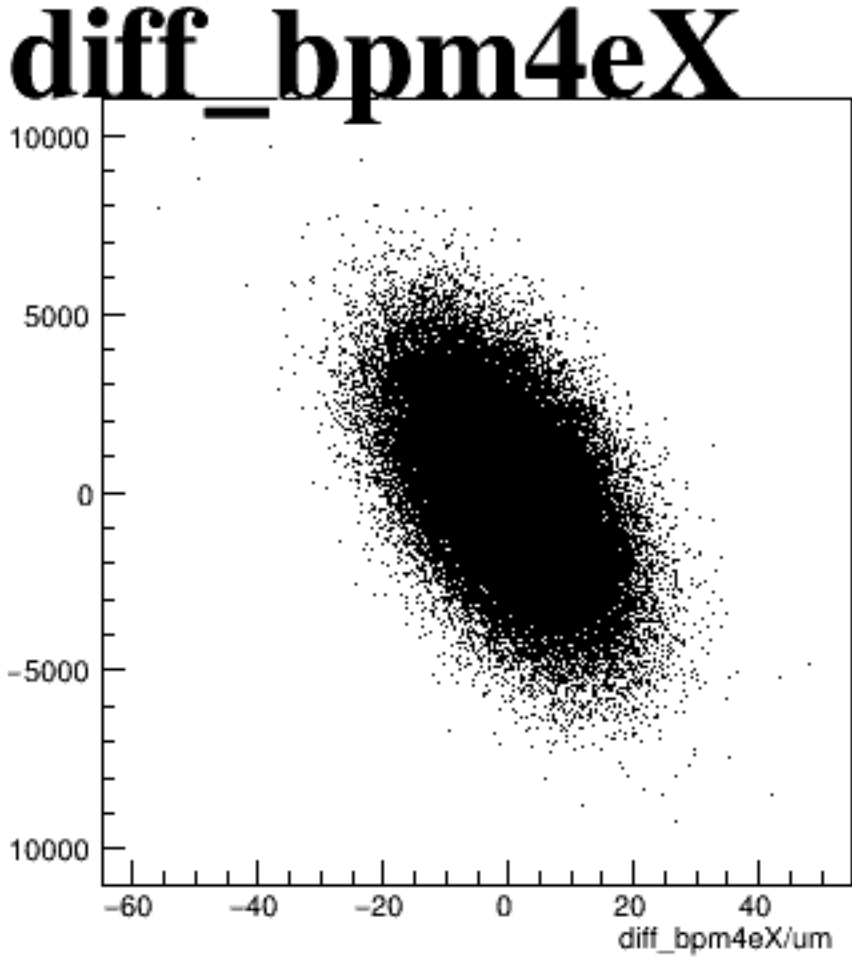
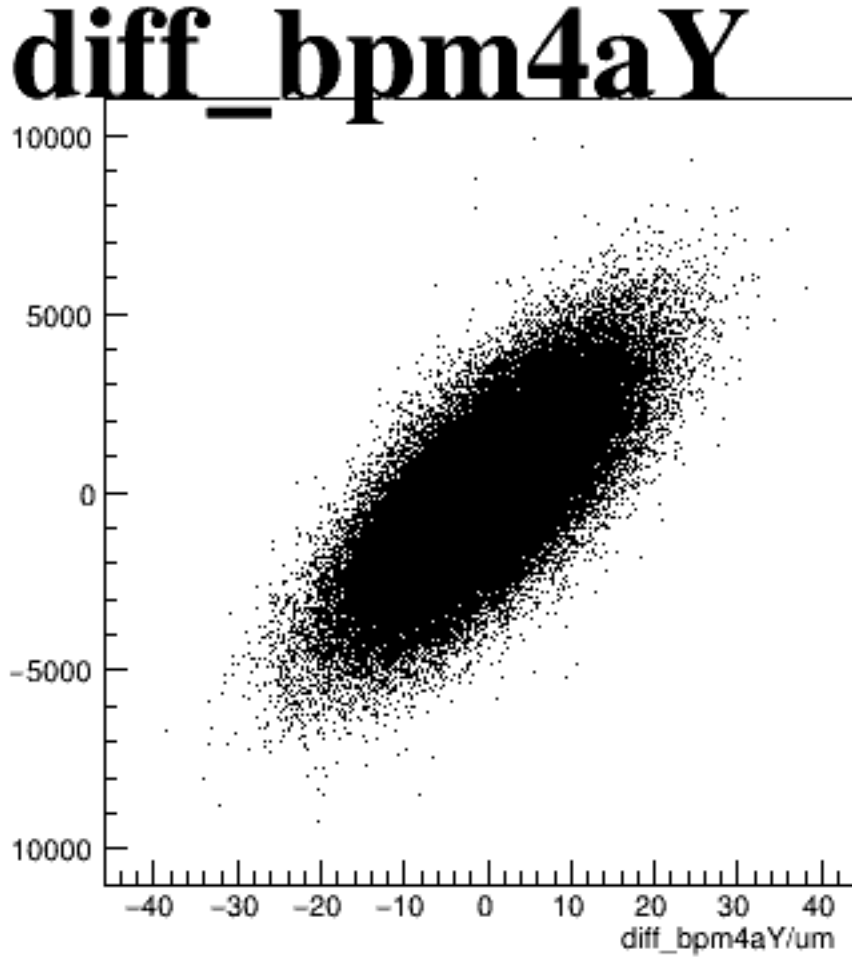
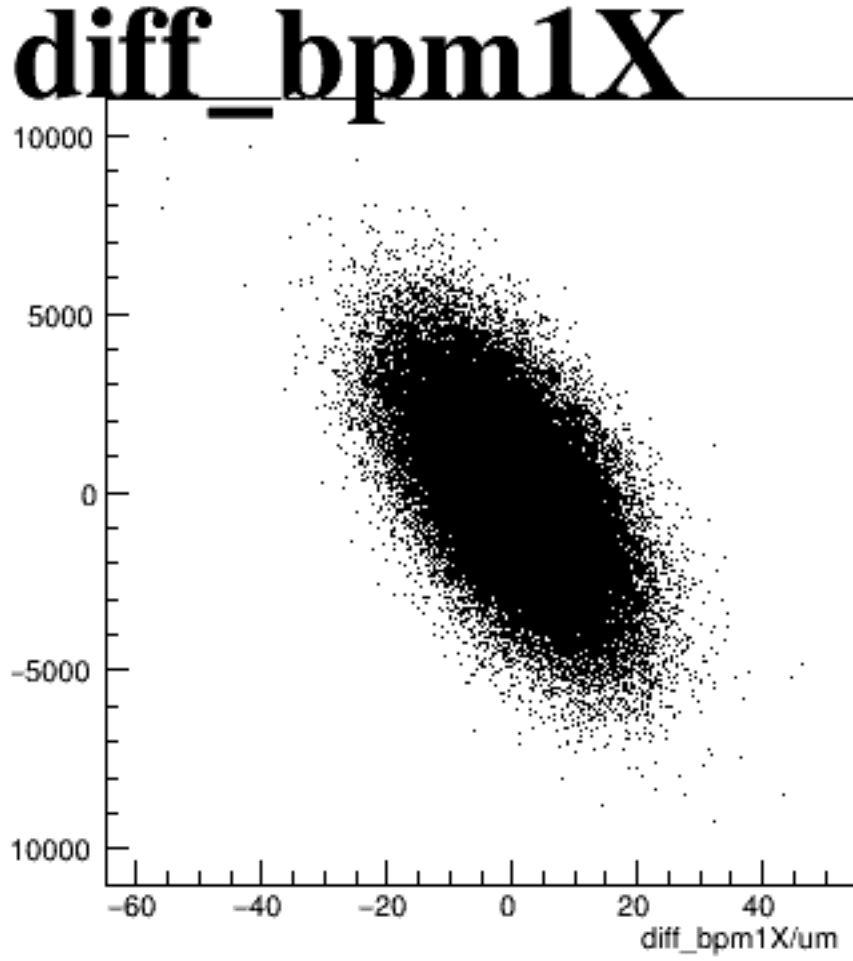
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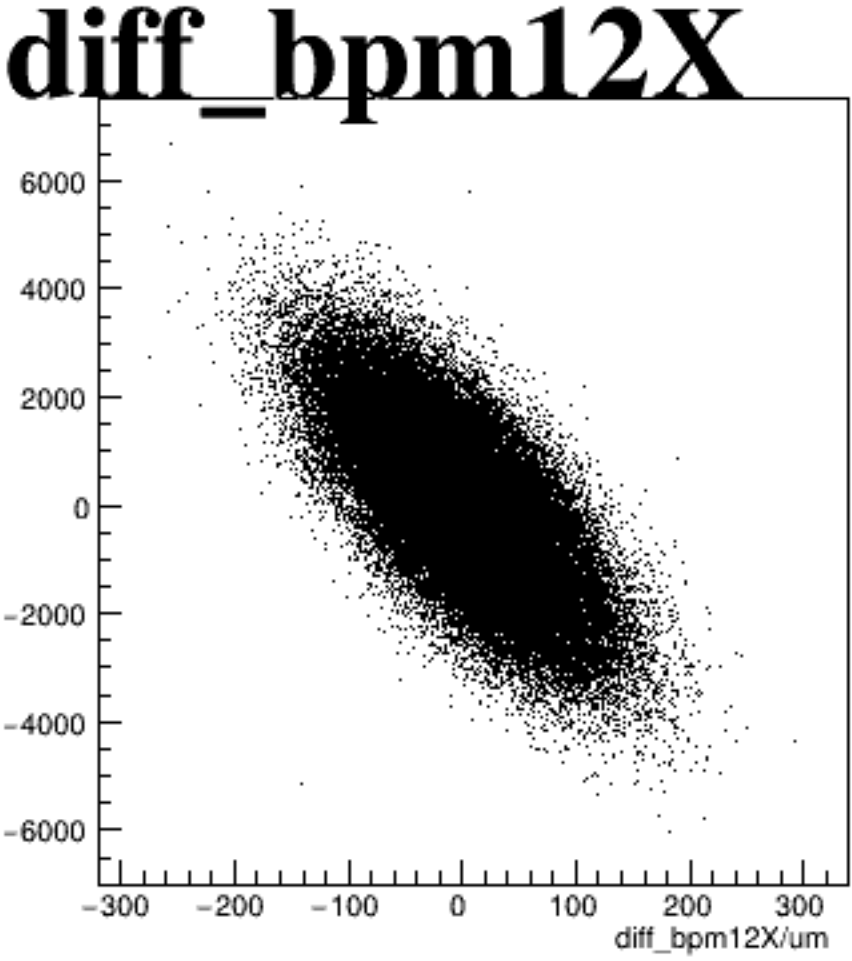
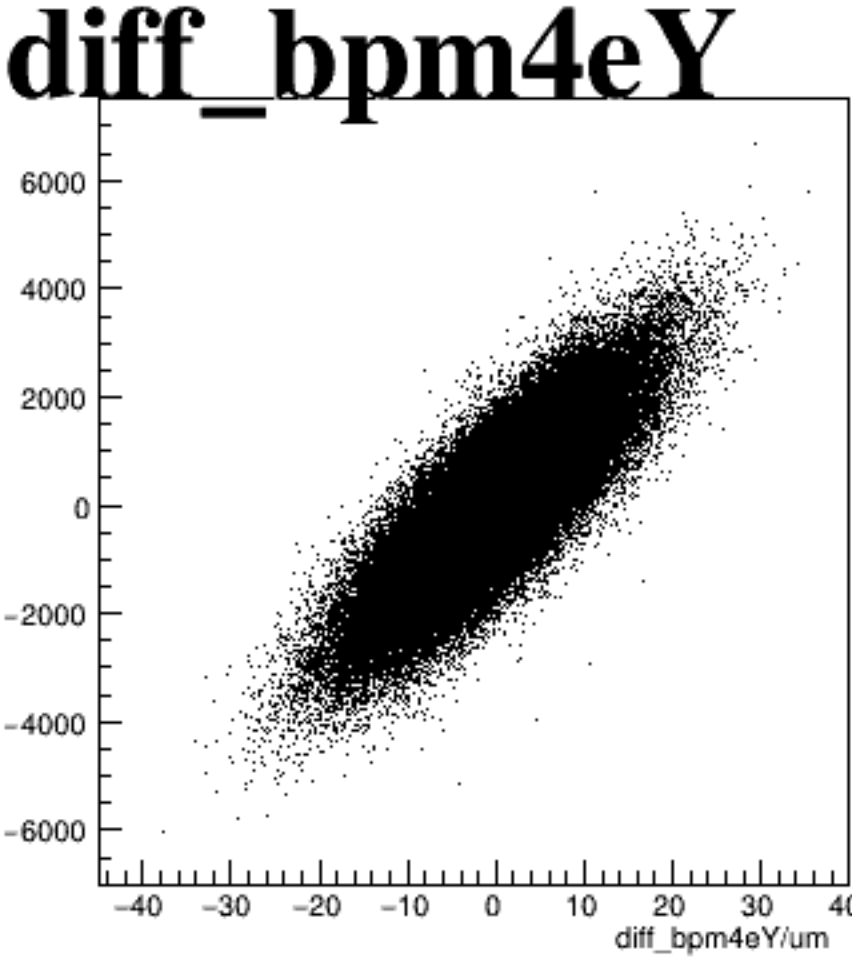
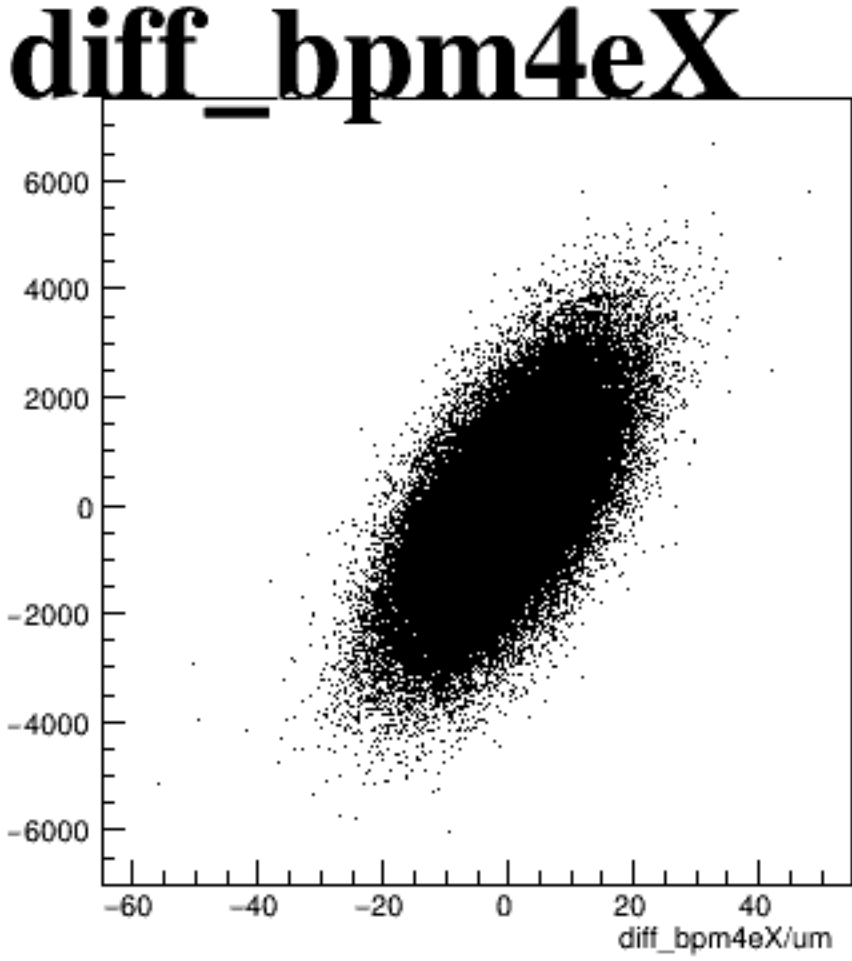
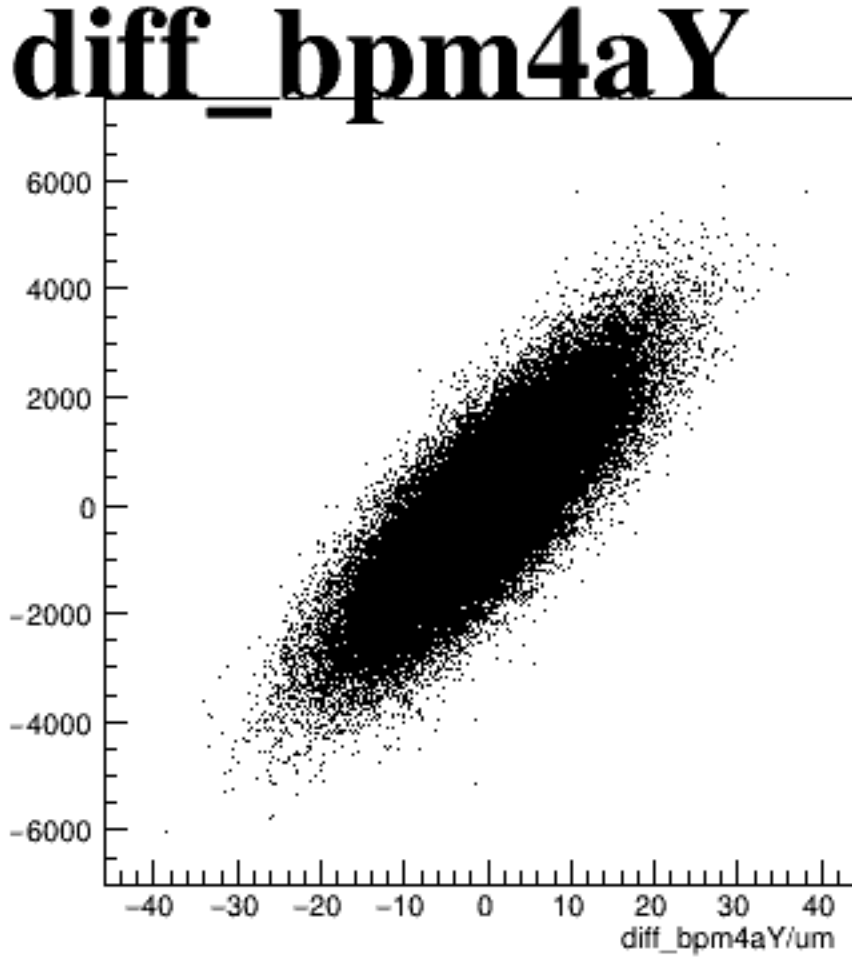
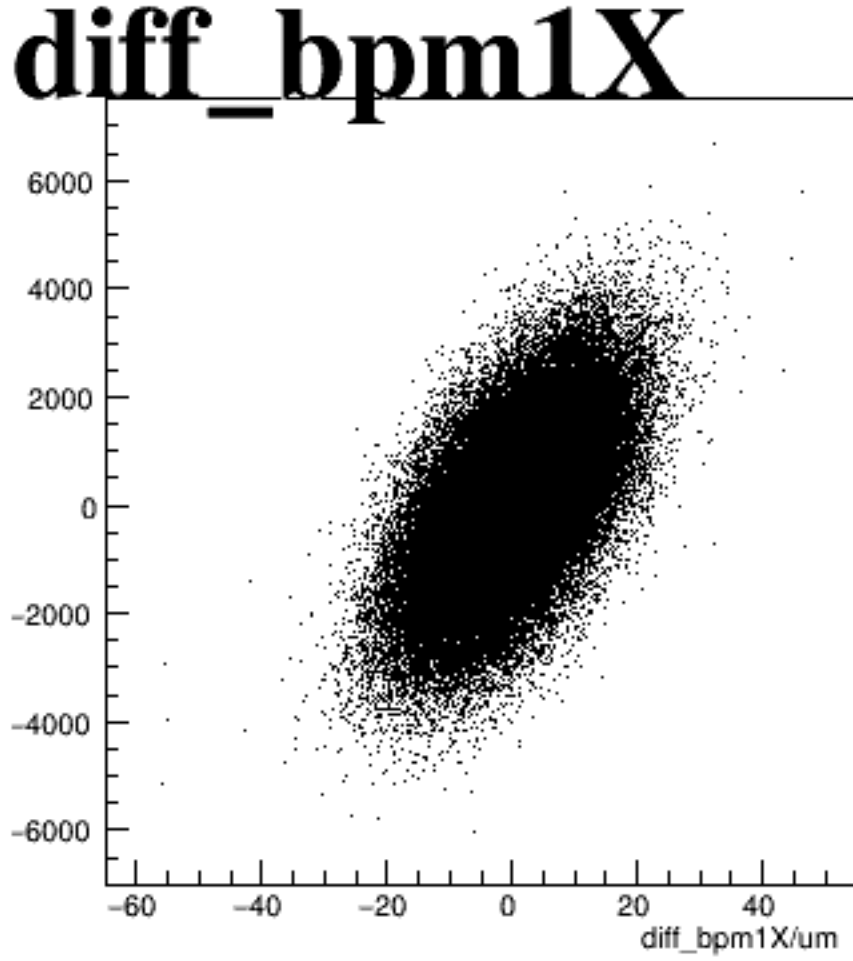
asym_sam2



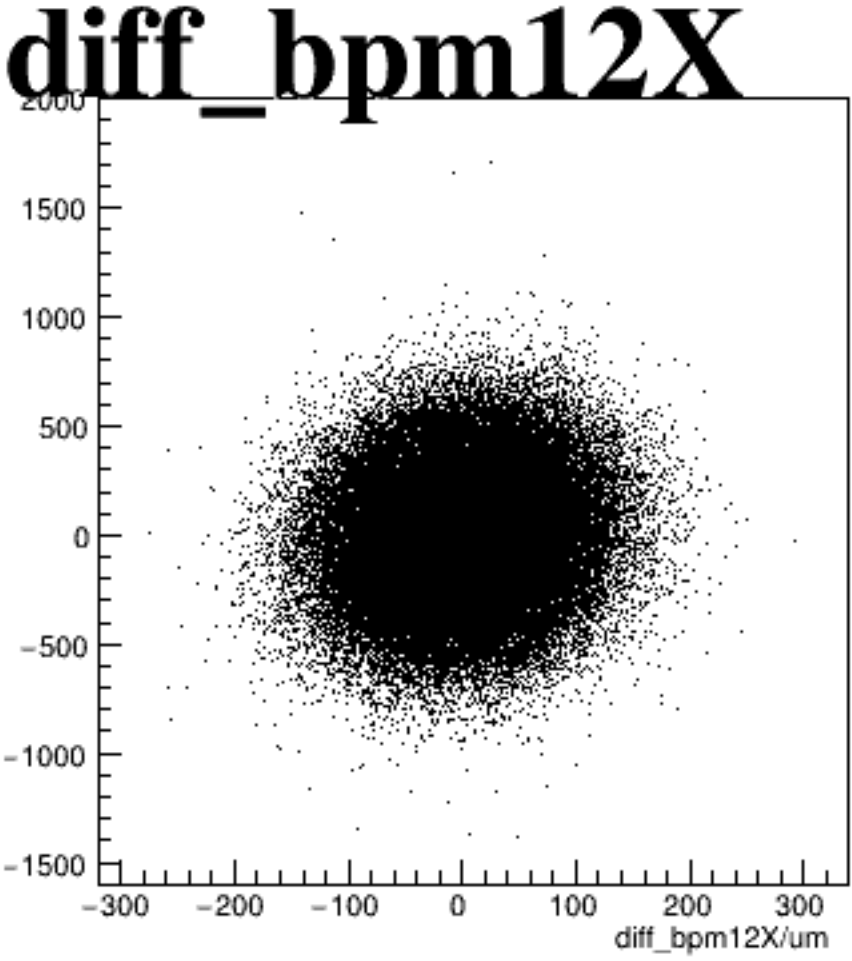
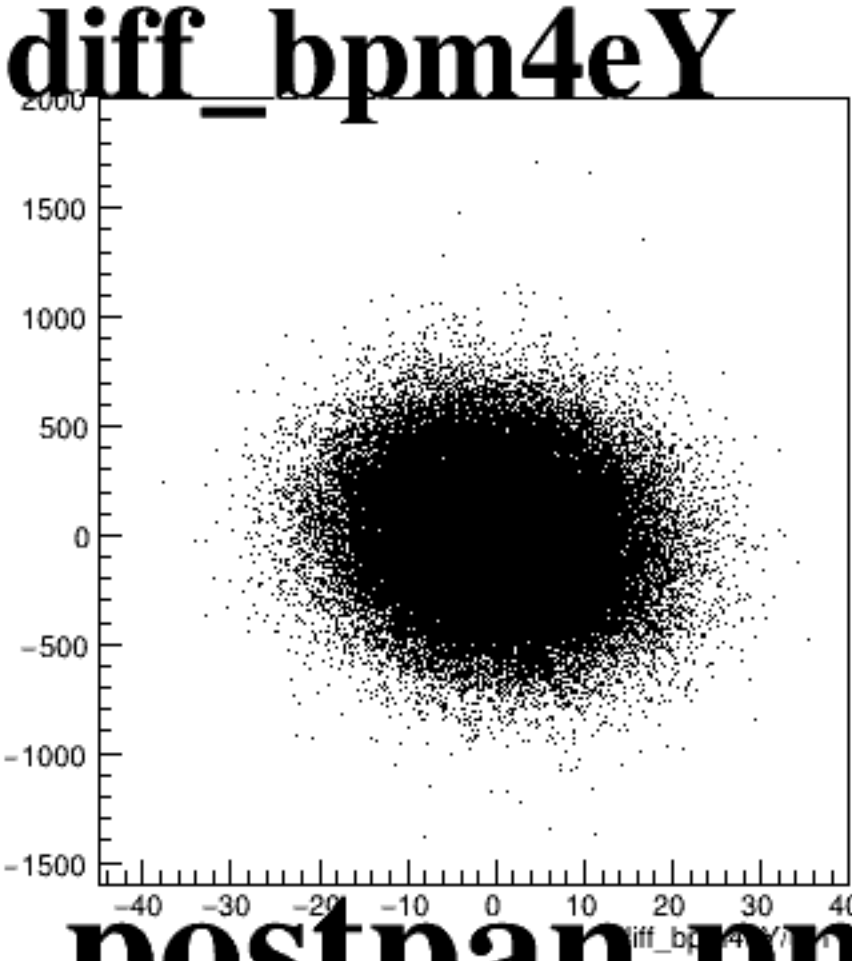
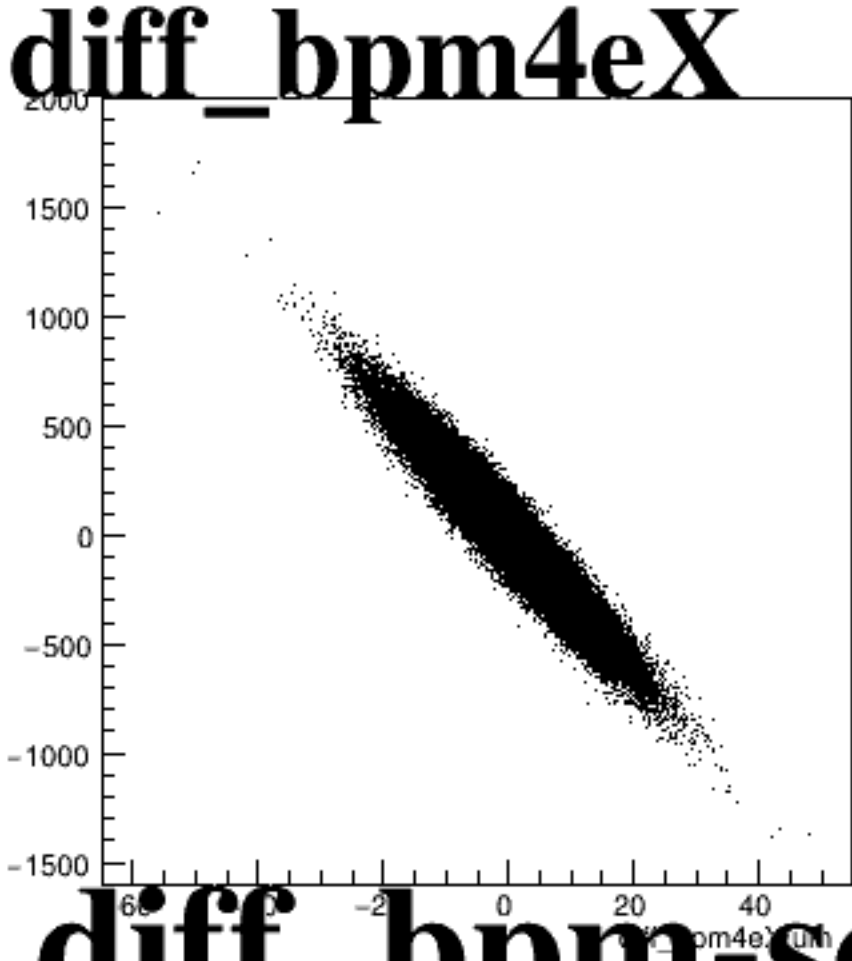
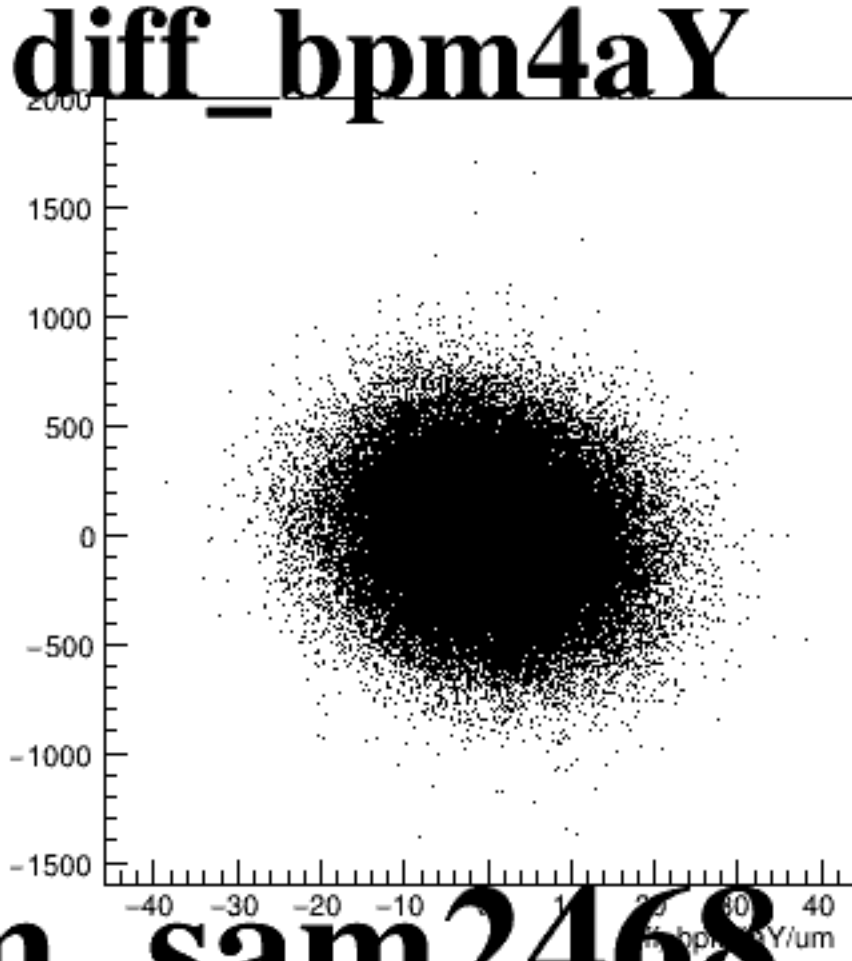
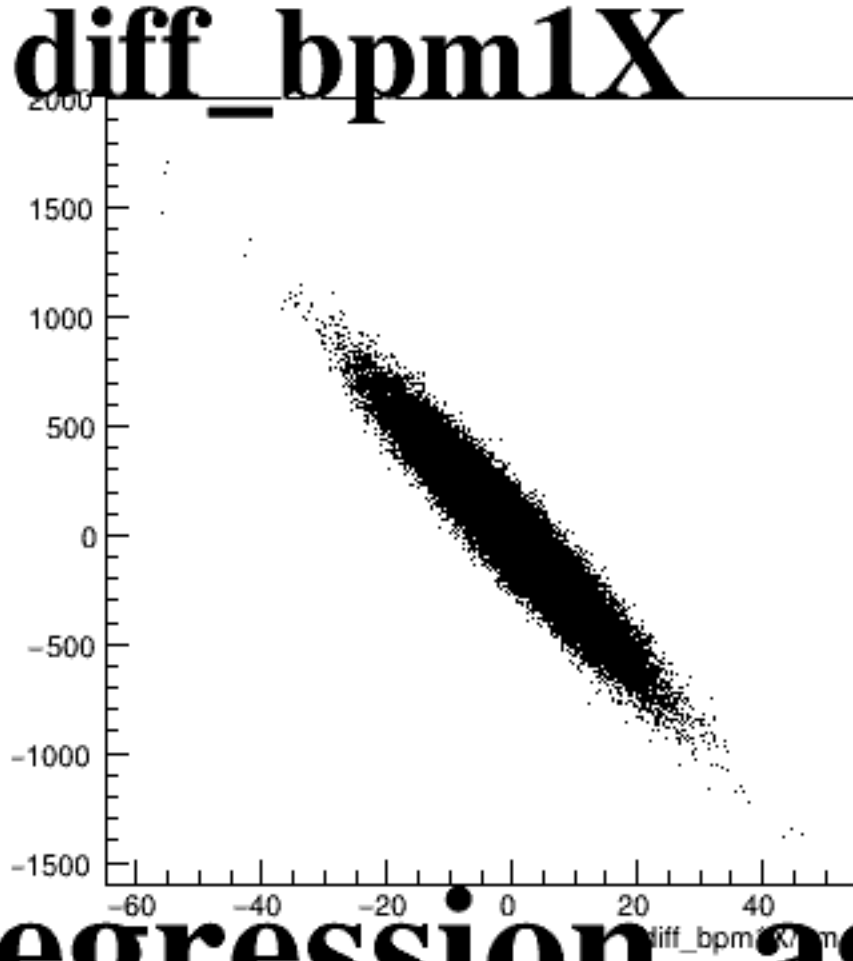
asym_sam4



asym_sam6



asym_sam8

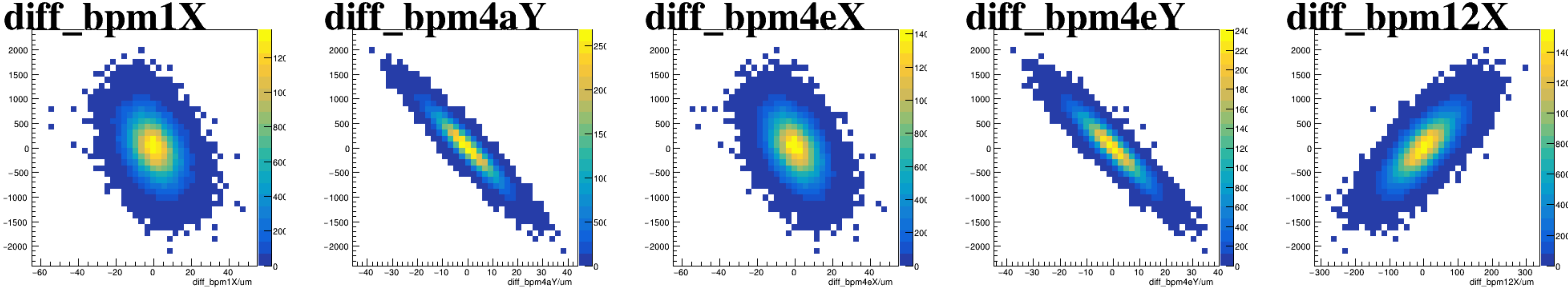


The figure consists of five scatter plots arranged horizontally, each showing the distribution of beam parameters for a different beam type. The plots are titled as follows:

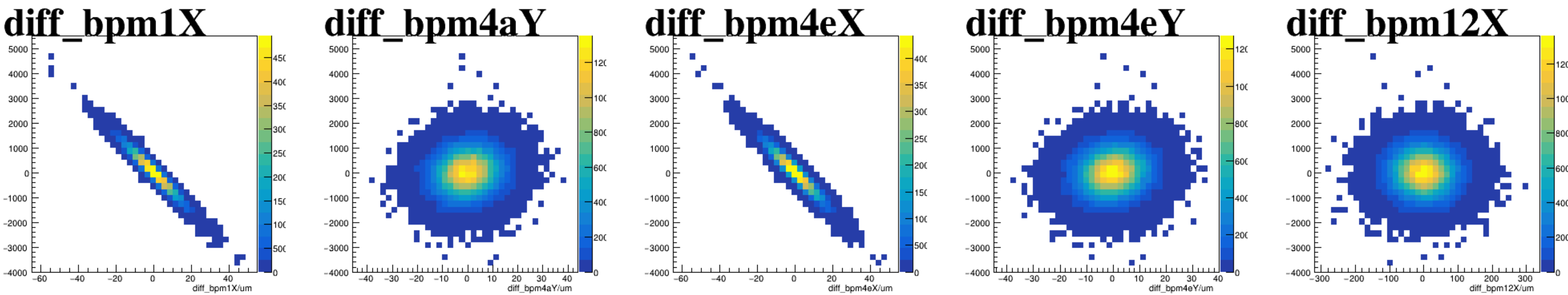
- diff_bpm1X**: The x-axis is labeled `diff_bpm1X/um` and ranges from -60 to 40. The y-axis is labeled `diff_bpm1Y/um` and ranges from -800 to 800.
- diff_bpm4aY**: The x-axis is labeled `diff_bpm4aY/um` and ranges from -40 to 40. The y-axis is labeled `diff_bpm4aX/um` and ranges from -800 to 800.
- diff_bpm4eX**: The x-axis is labeled `diff_bpm4eX/um` and ranges from -60 to 40. The y-axis is labeled `diff_bpm4eY/um` and ranges from -800 to 800.
- diff_bpm4eY**: The x-axis is labeled `diff_bpm4eY/um` and ranges from -40 to 40. The y-axis is labeled `diff_bpm4eX/um` and ranges from -800 to 800.
- diff_bpm12X**: The x-axis is labeled `diff_bpm12X/um` and ranges from -300 to 300. The y-axis is labeled `diff_bpm12Y/um` and ranges from -800 to 800.

All plots show a dense, roughly circular cloud of points centered around (0,0), indicating a Gaussian-like distribution of the beam parameters.

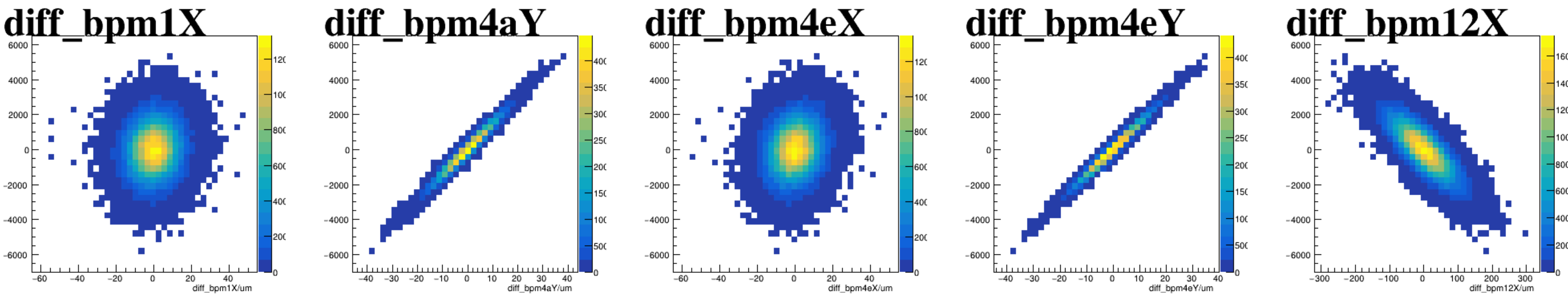
asym_sam1



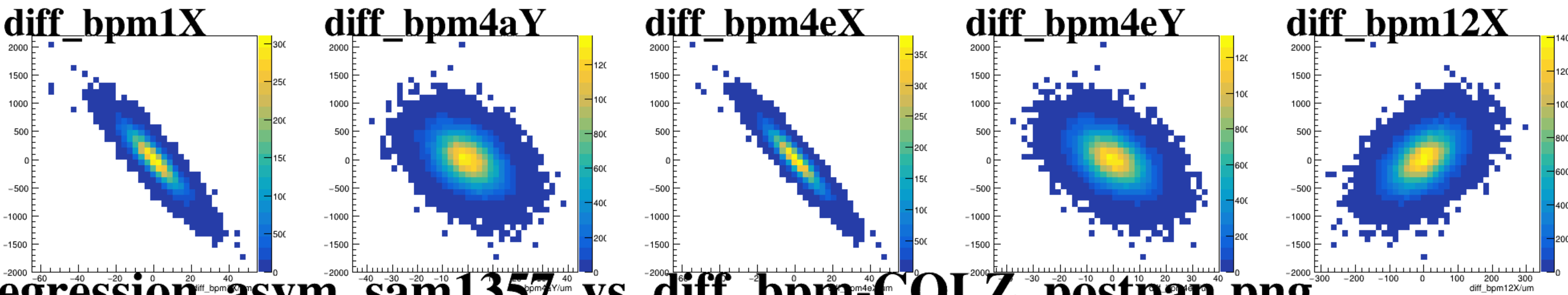
asym_sam3



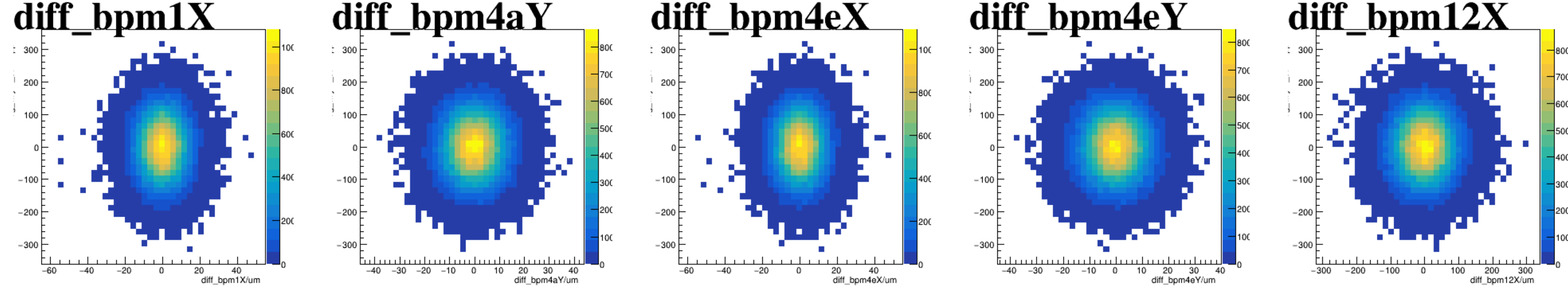
asym_sam5



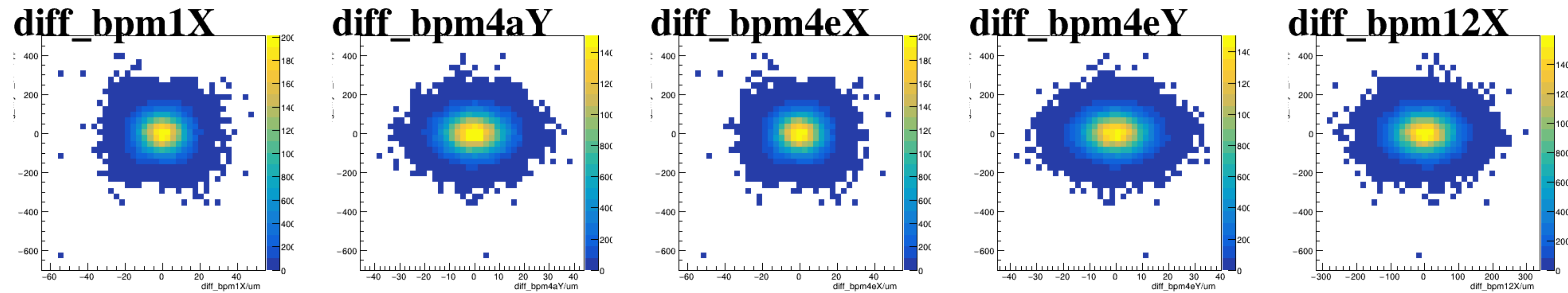
asym_sam7



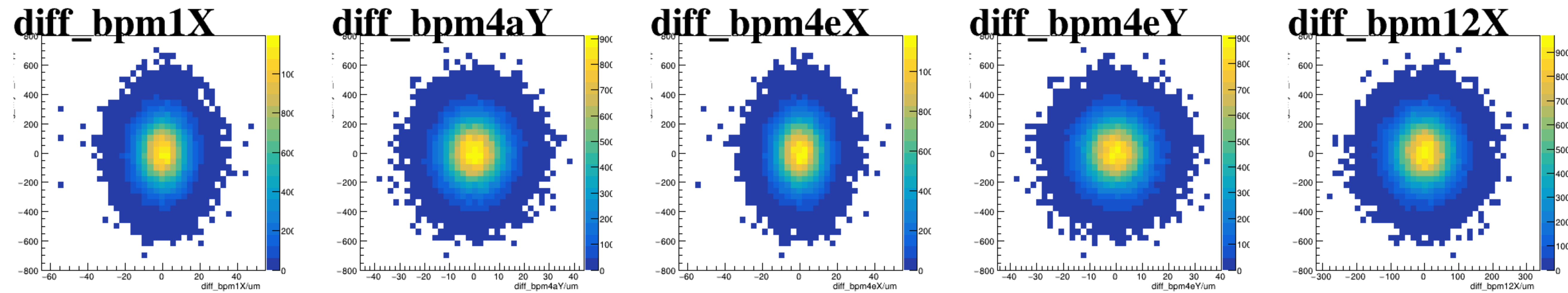
reg_asym_sam1



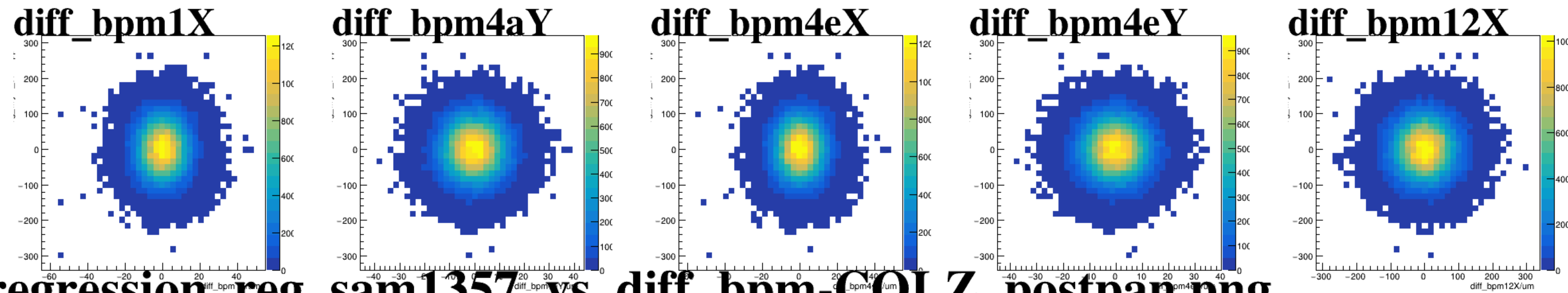
reg_asym_sam3



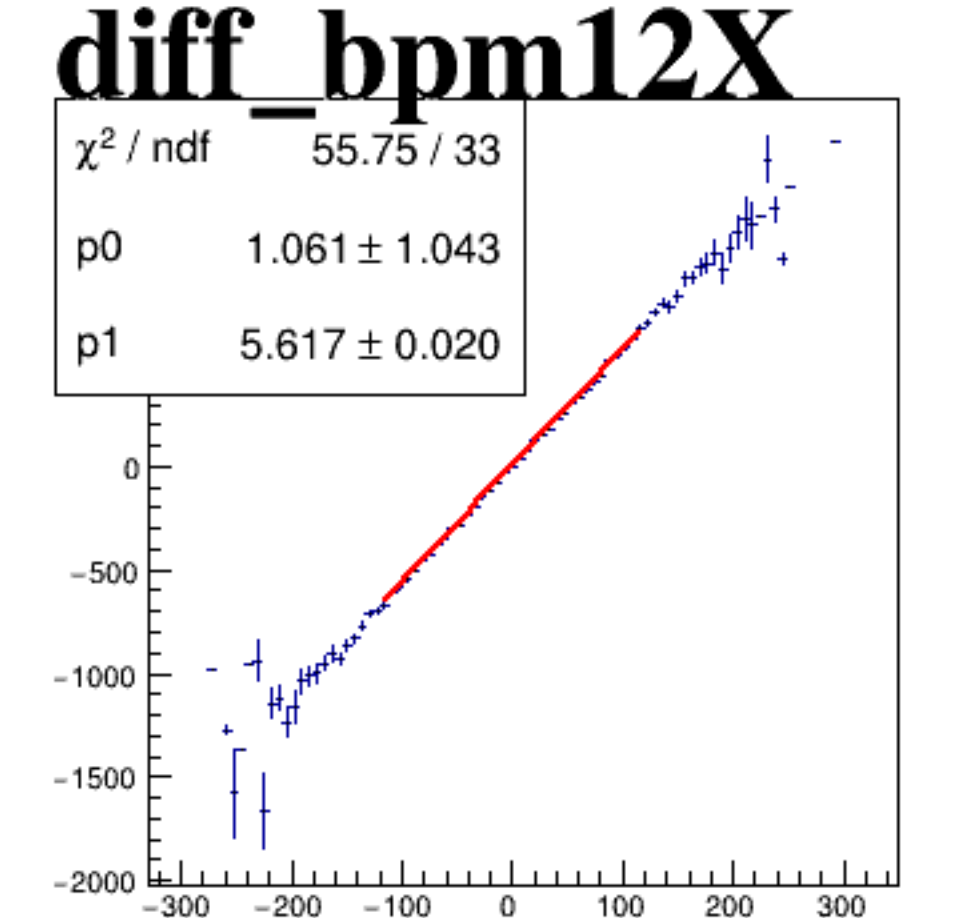
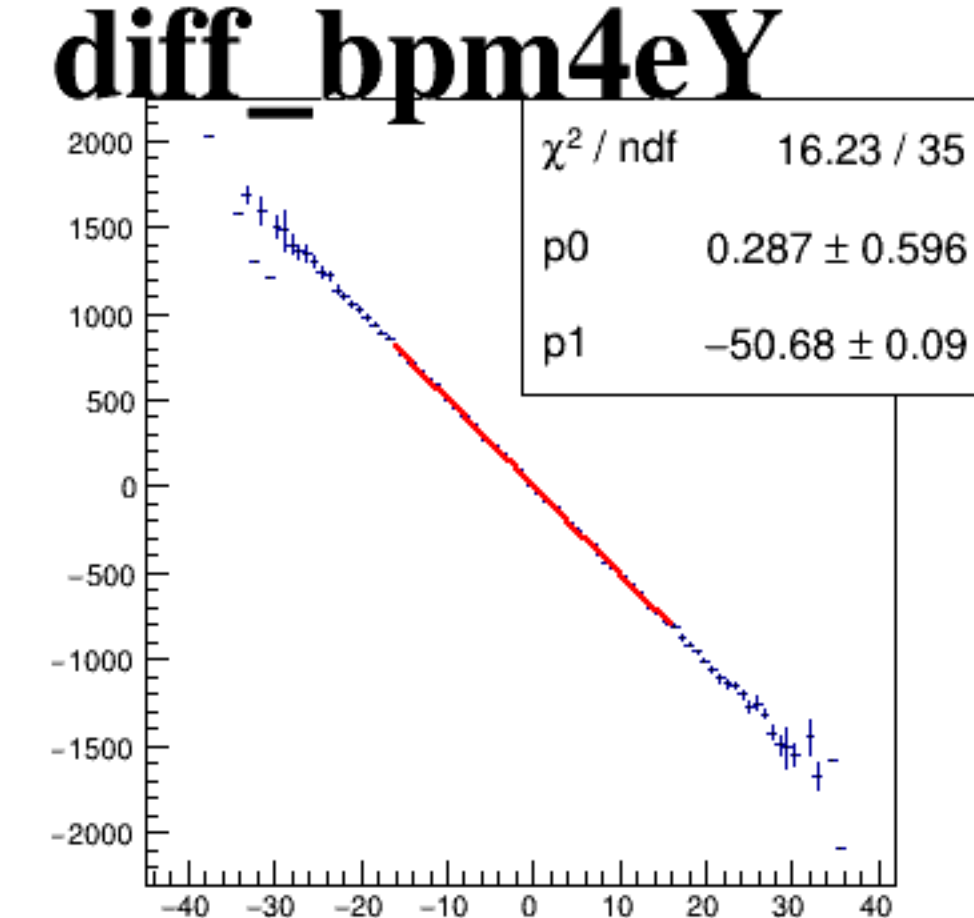
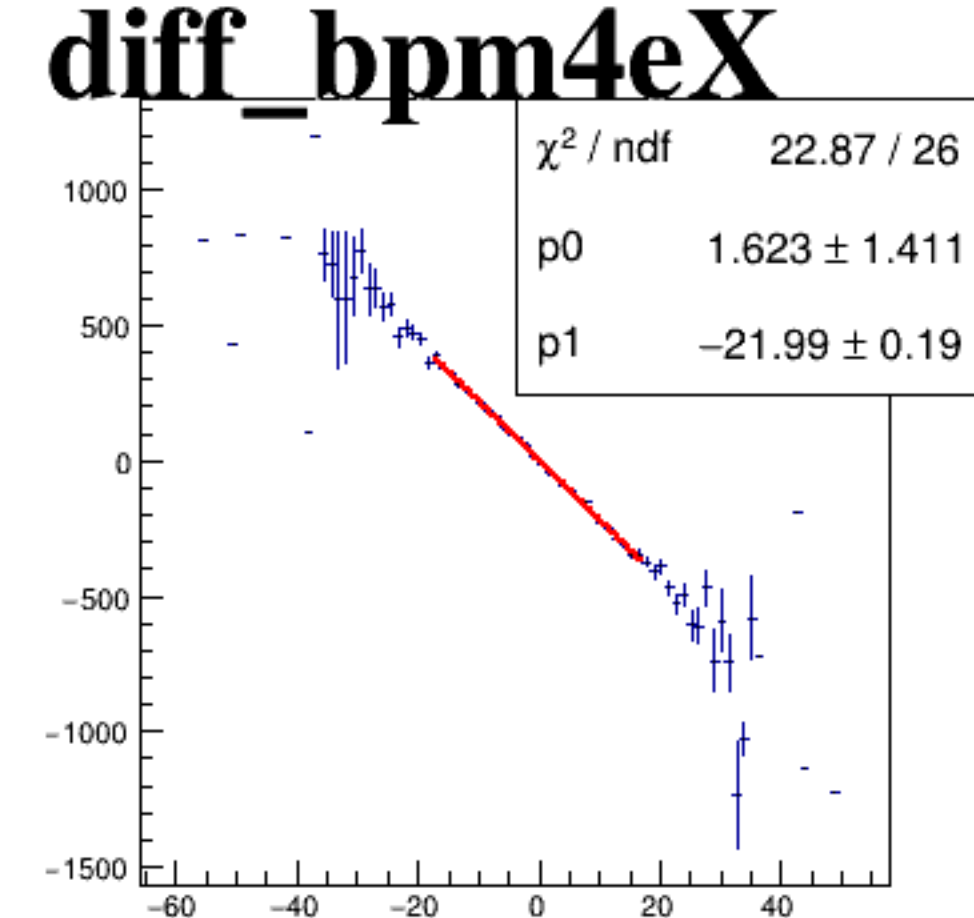
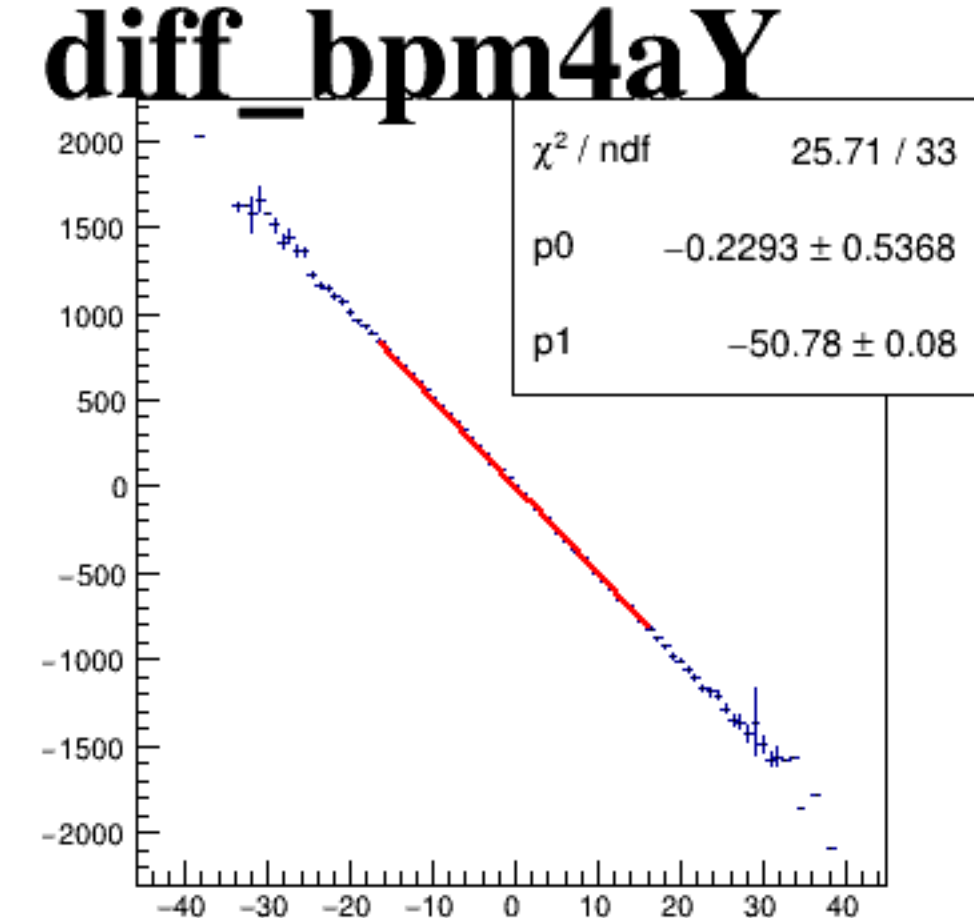
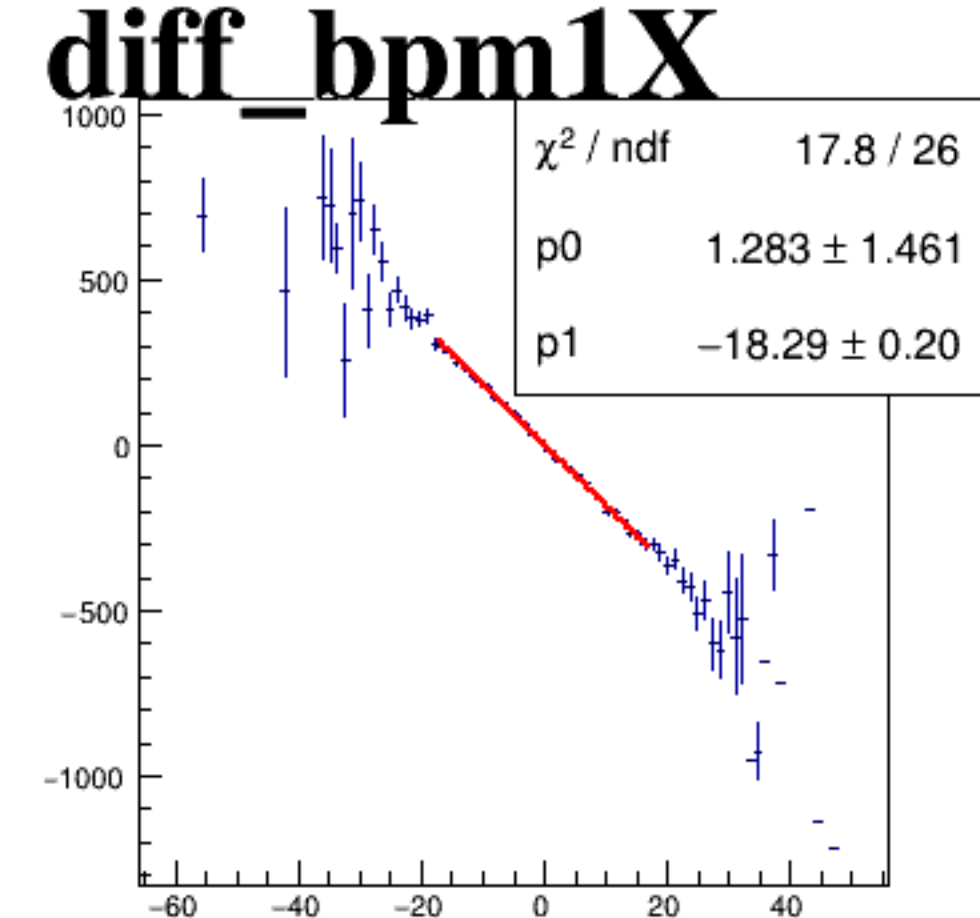
reg_asym_sam5



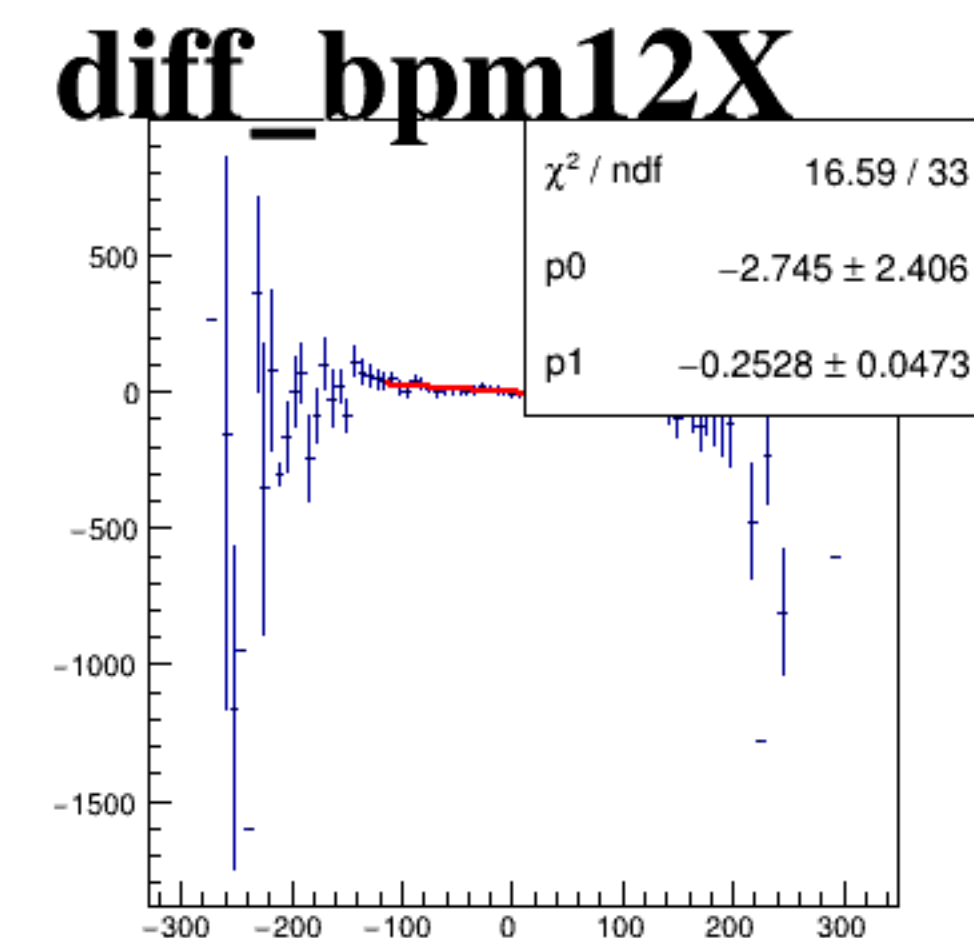
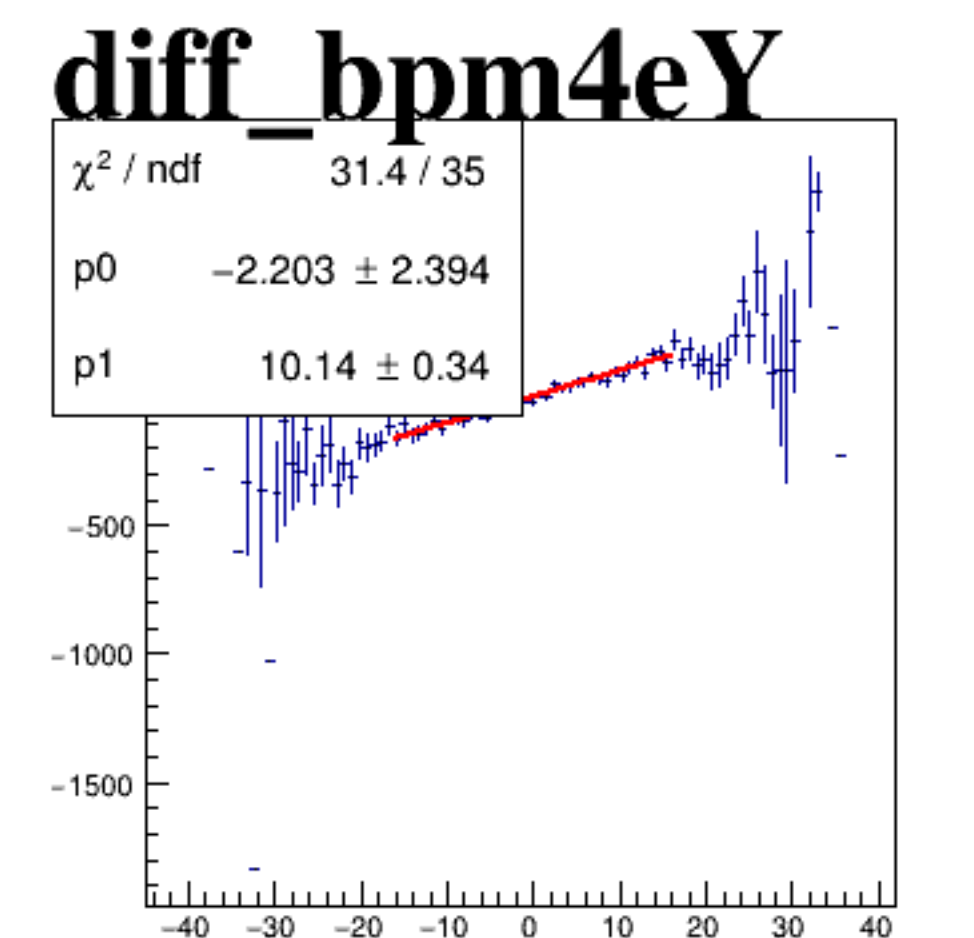
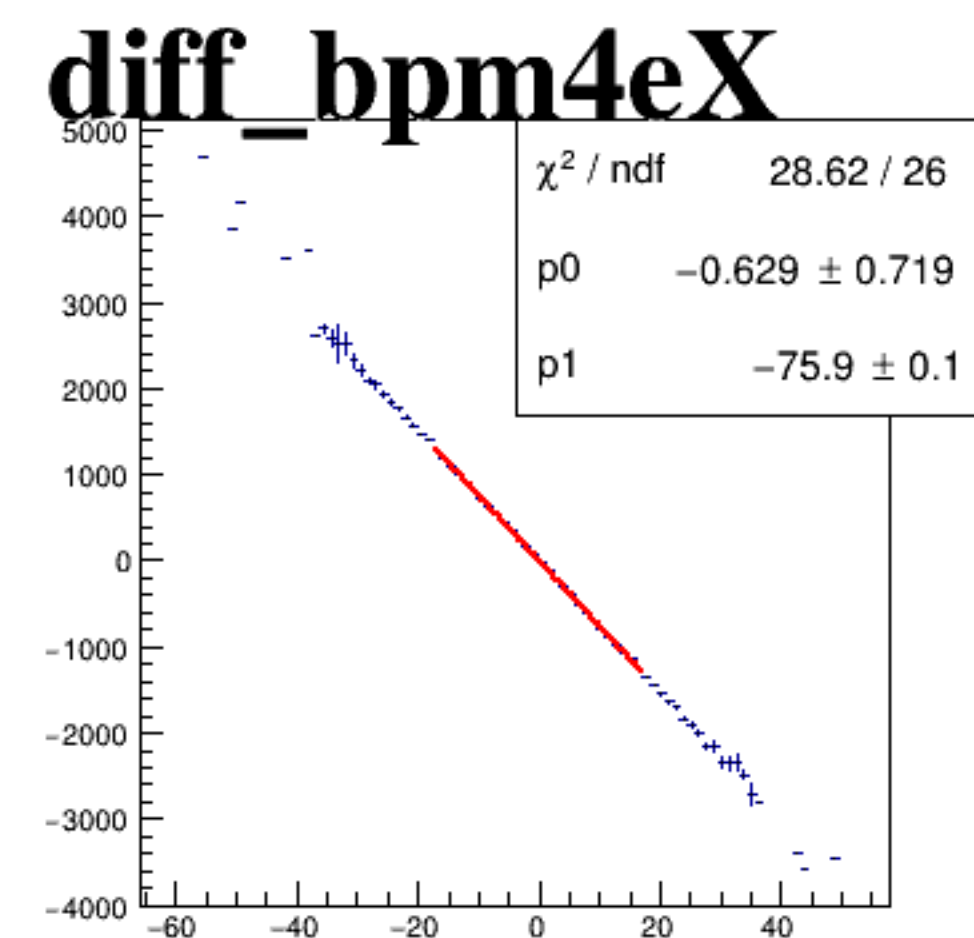
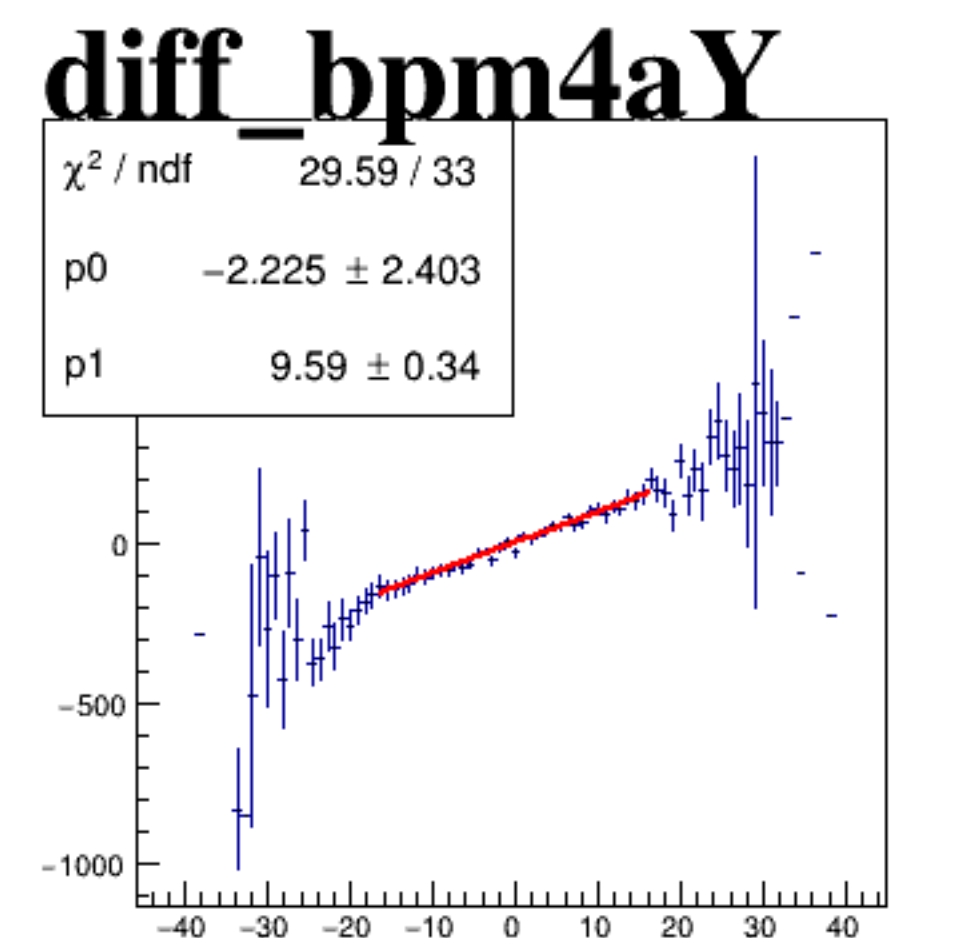
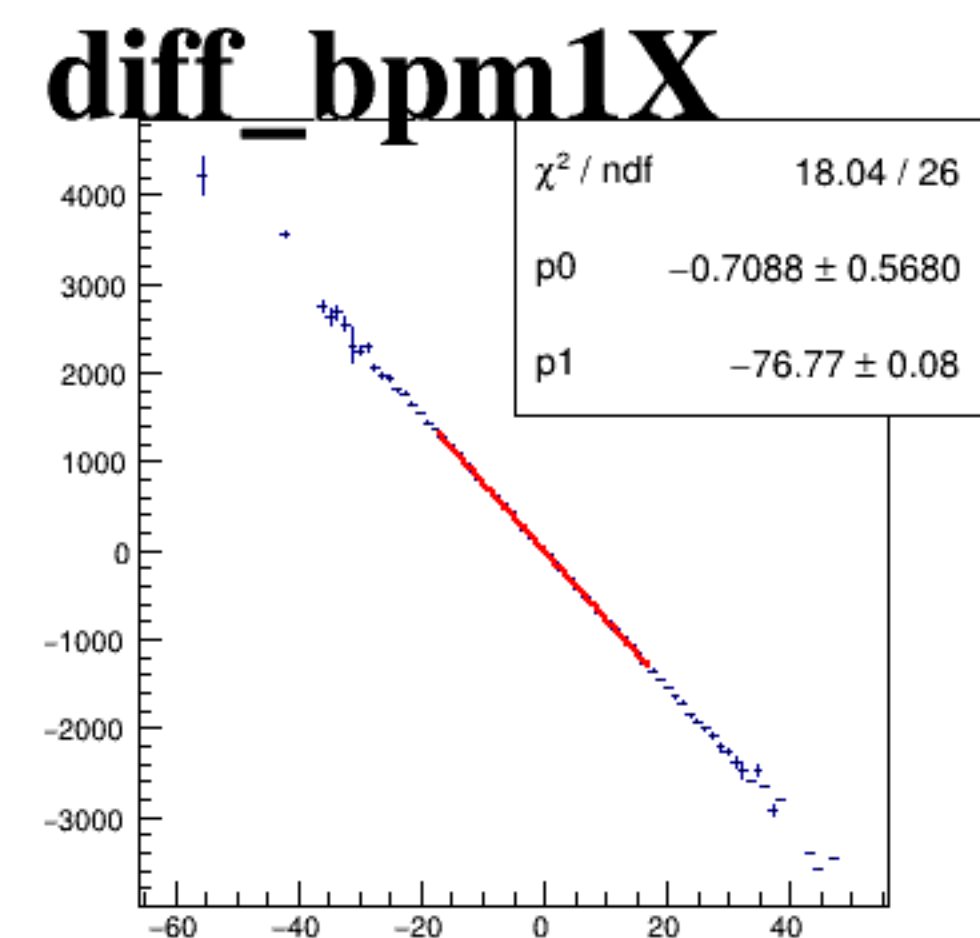
reg_asym_sam7



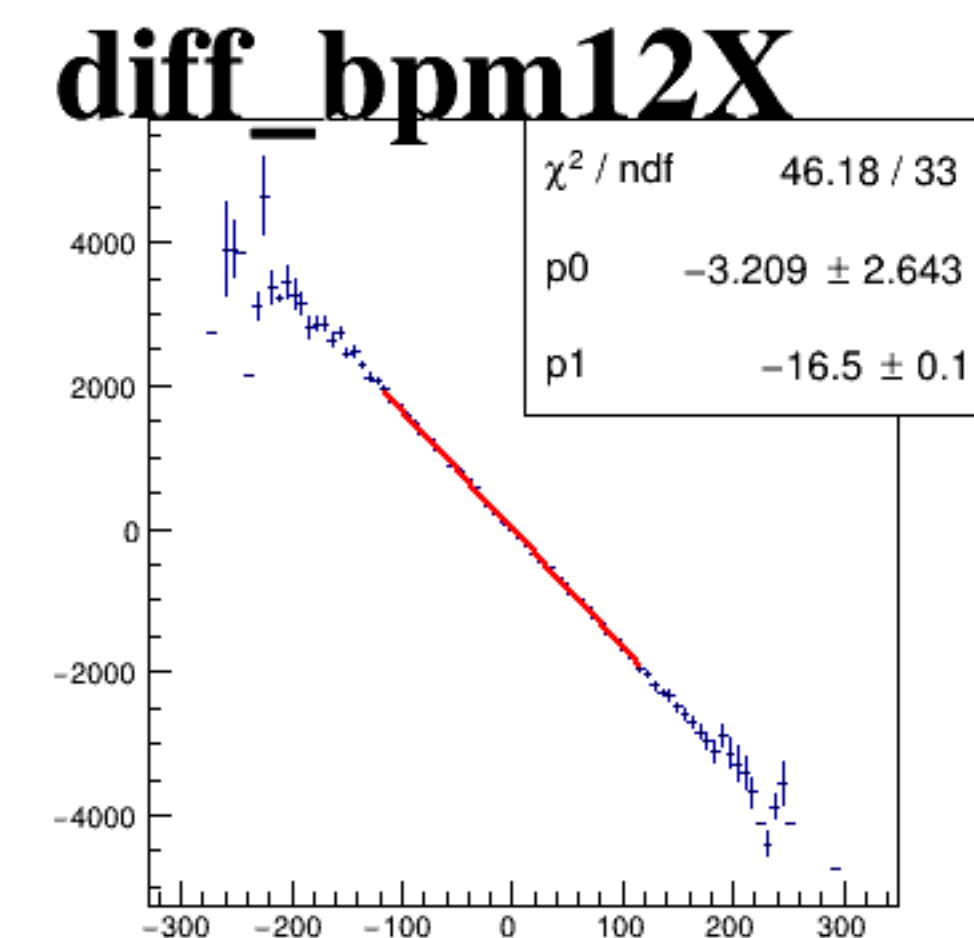
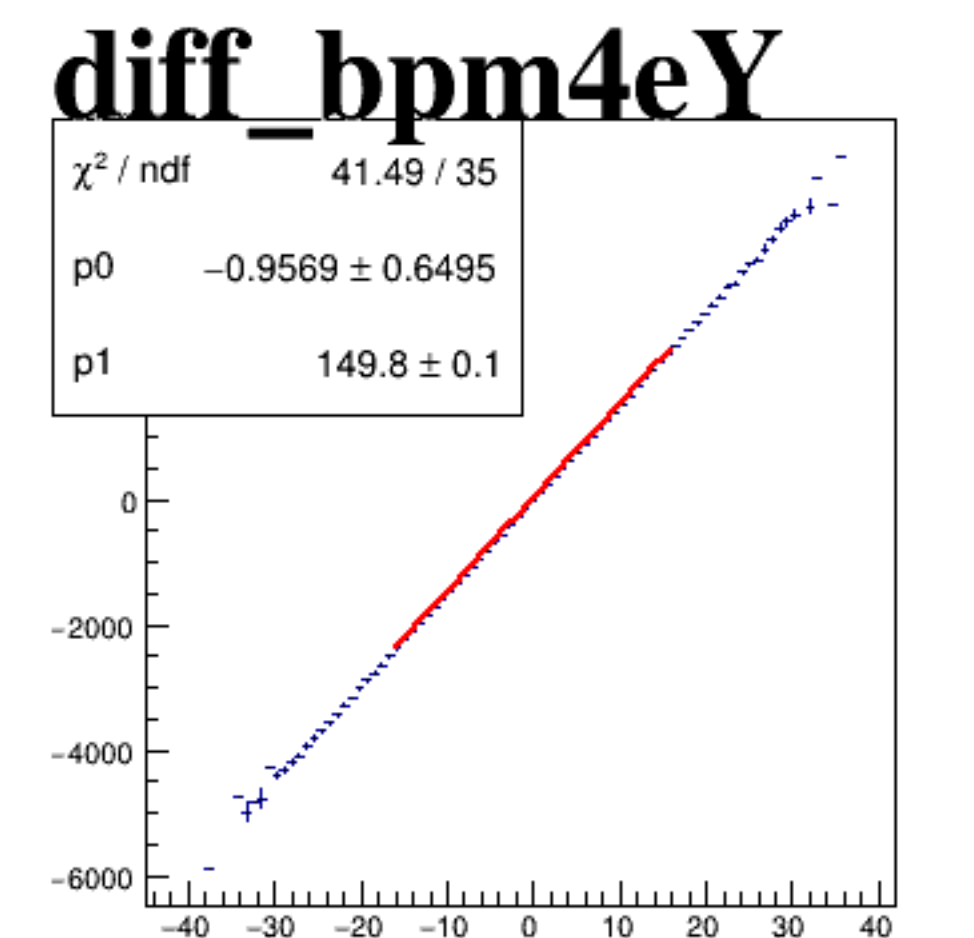
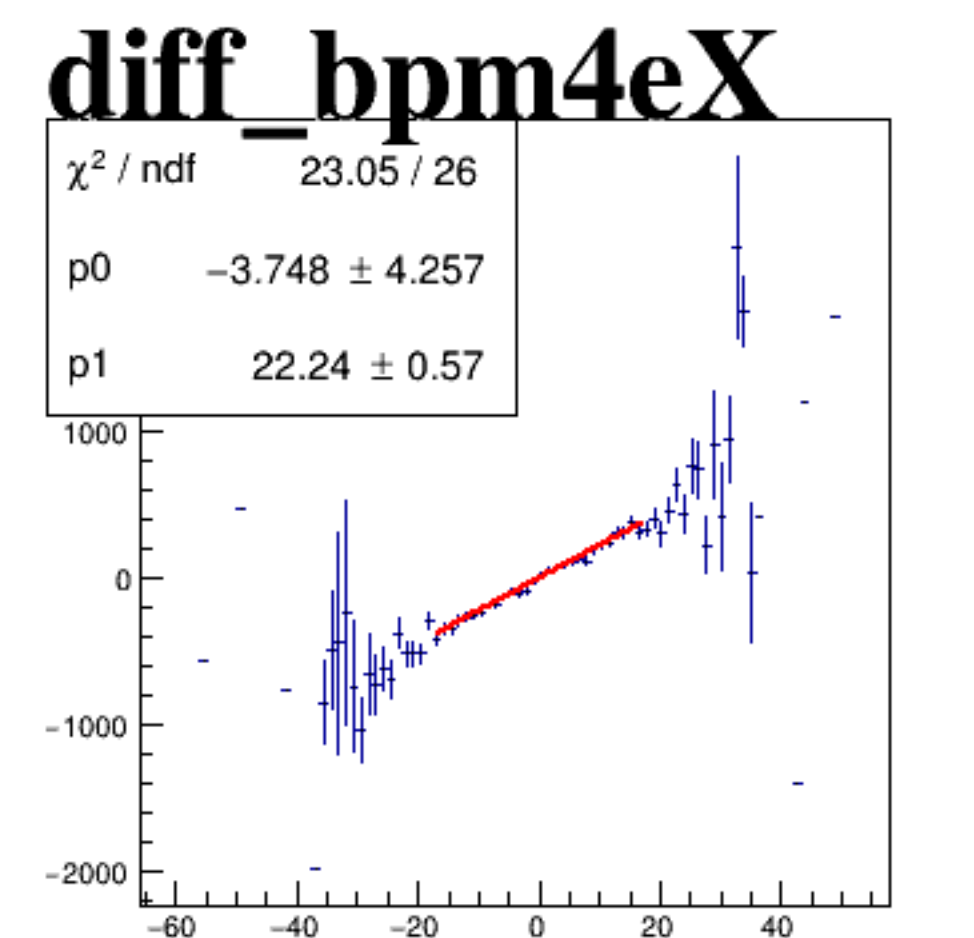
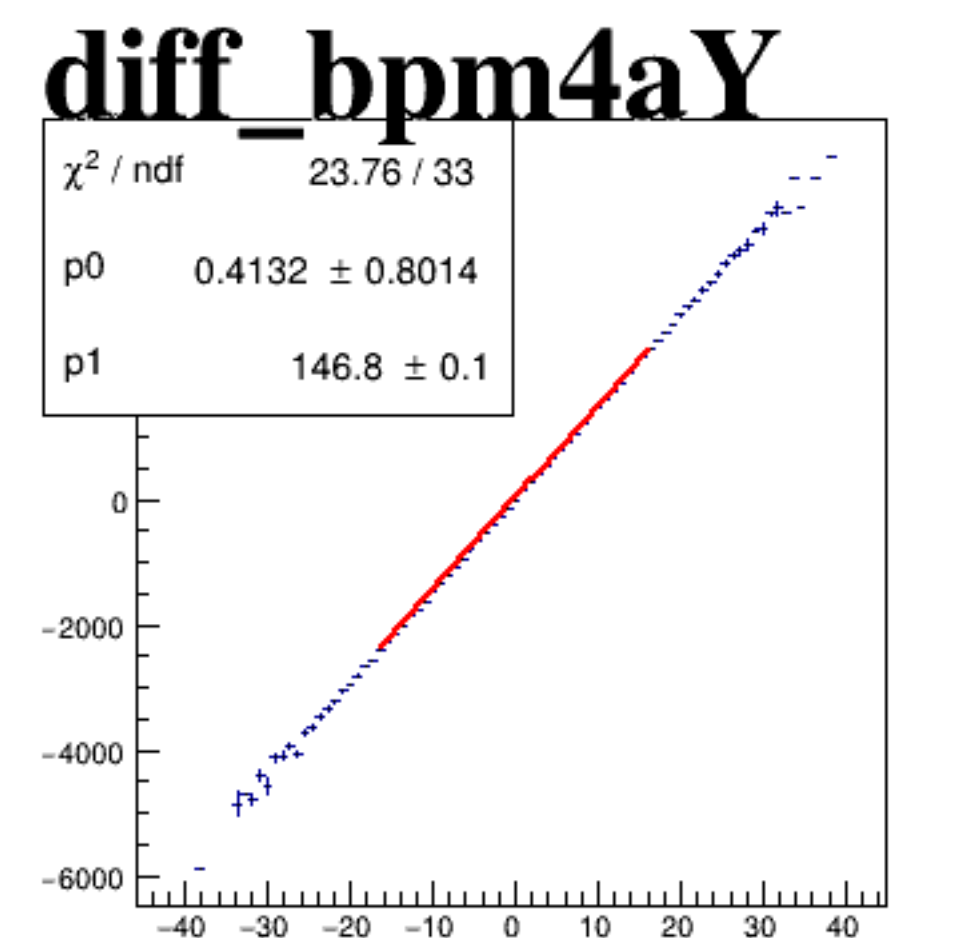
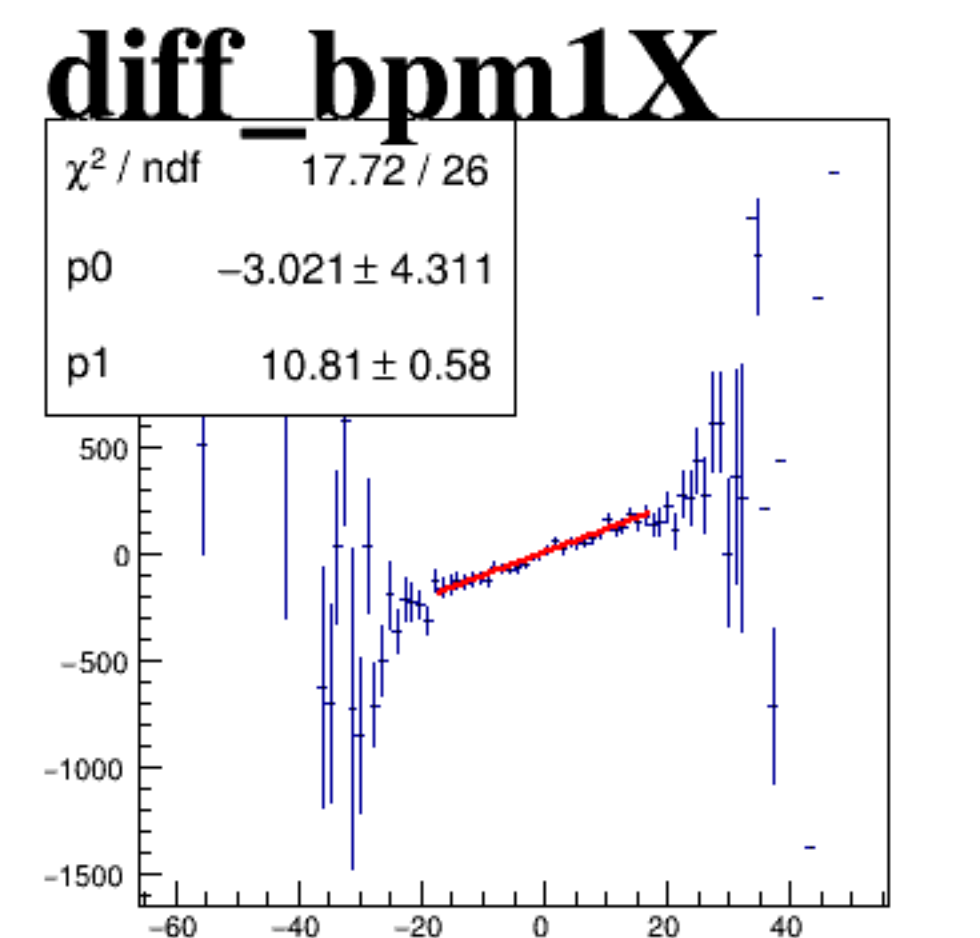
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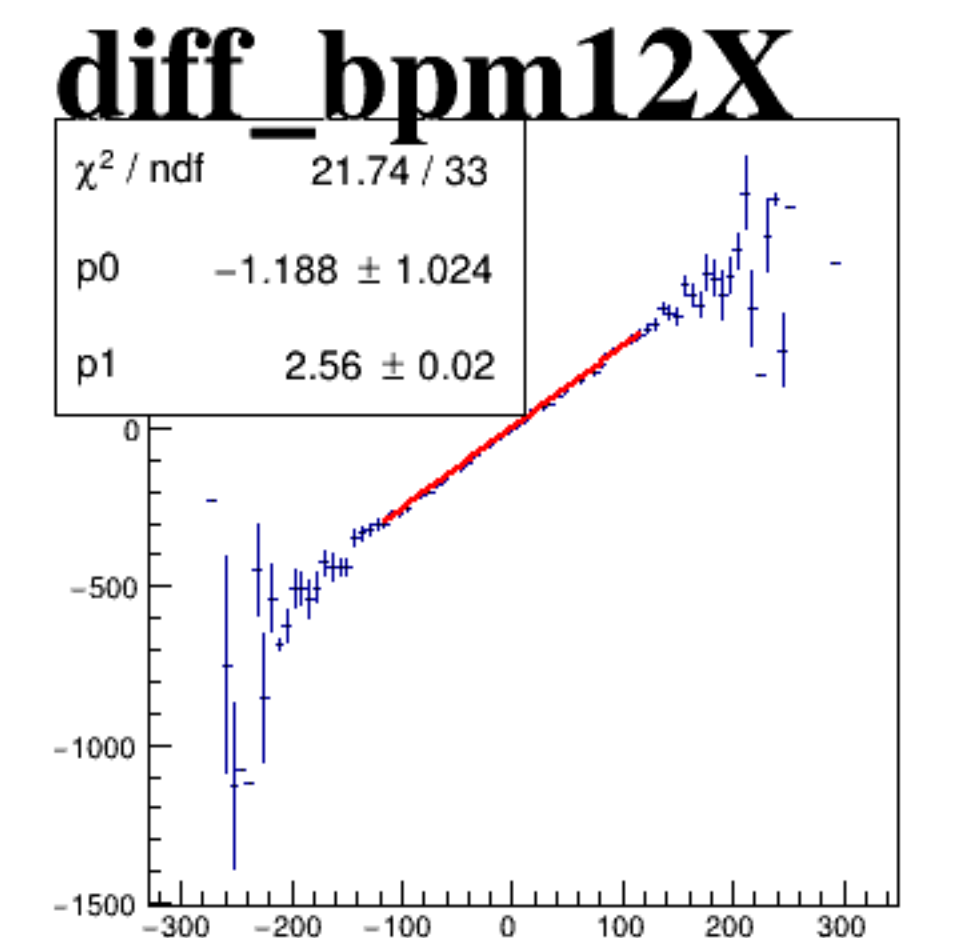
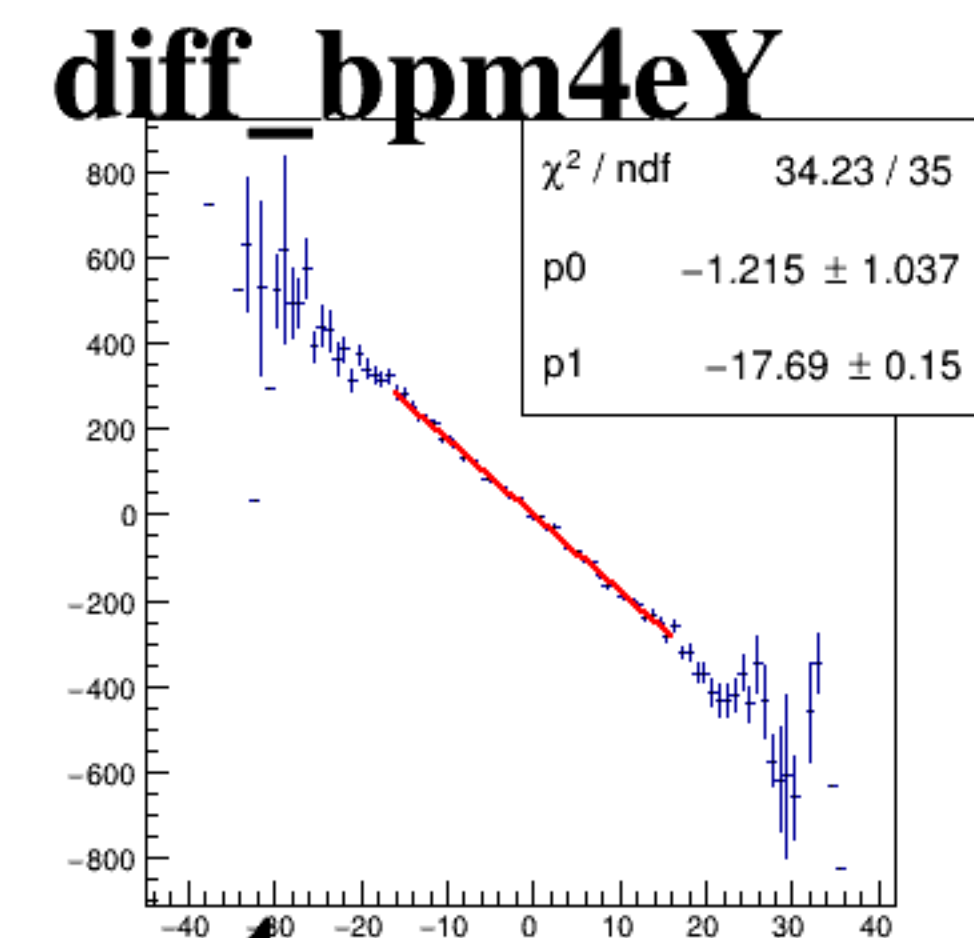
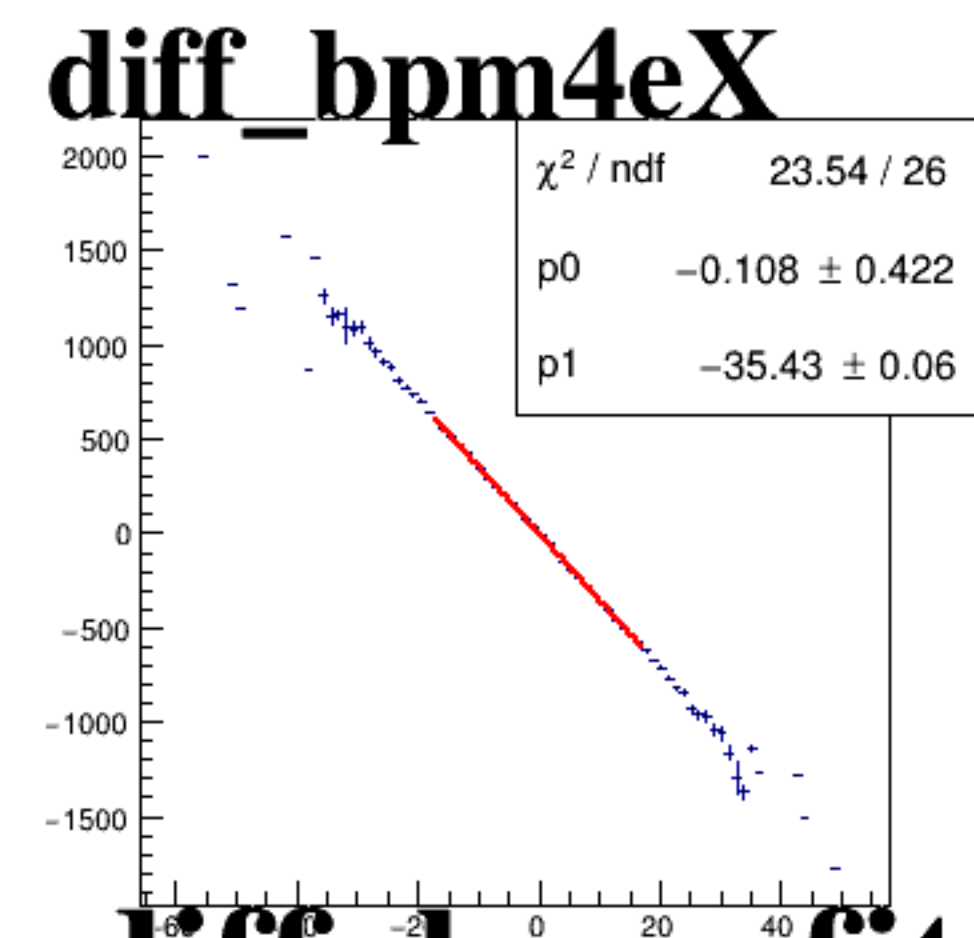
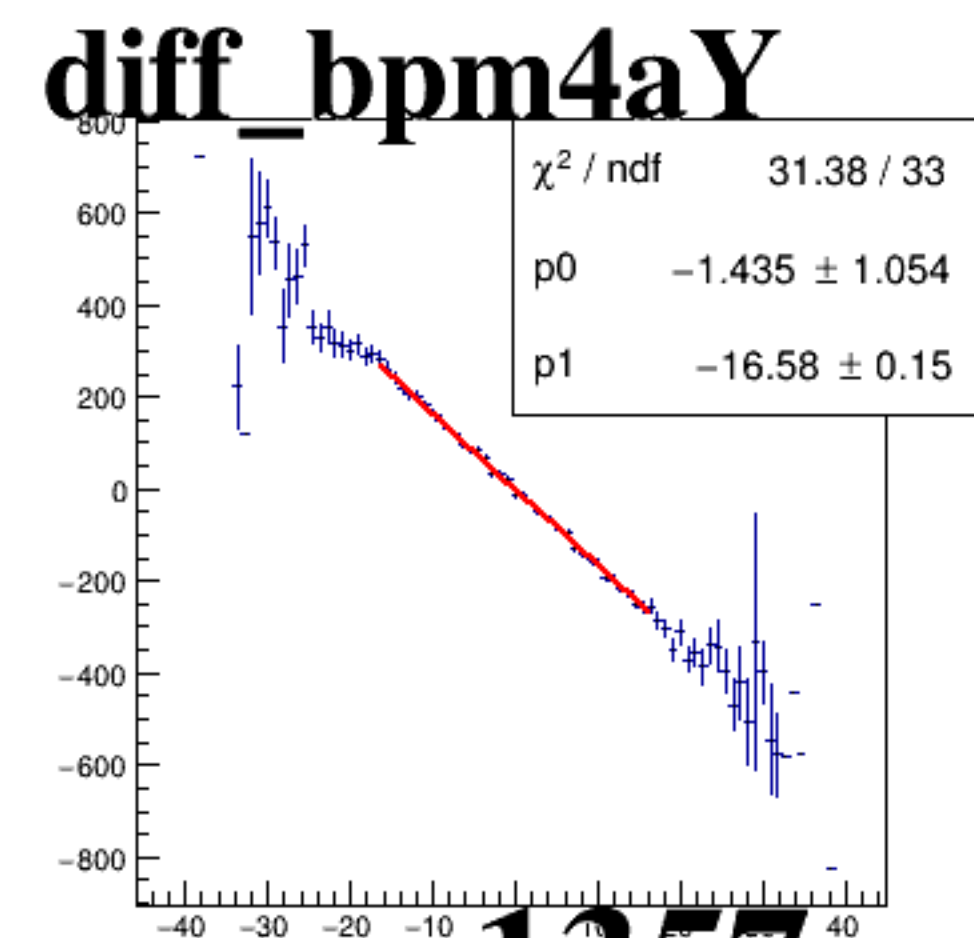
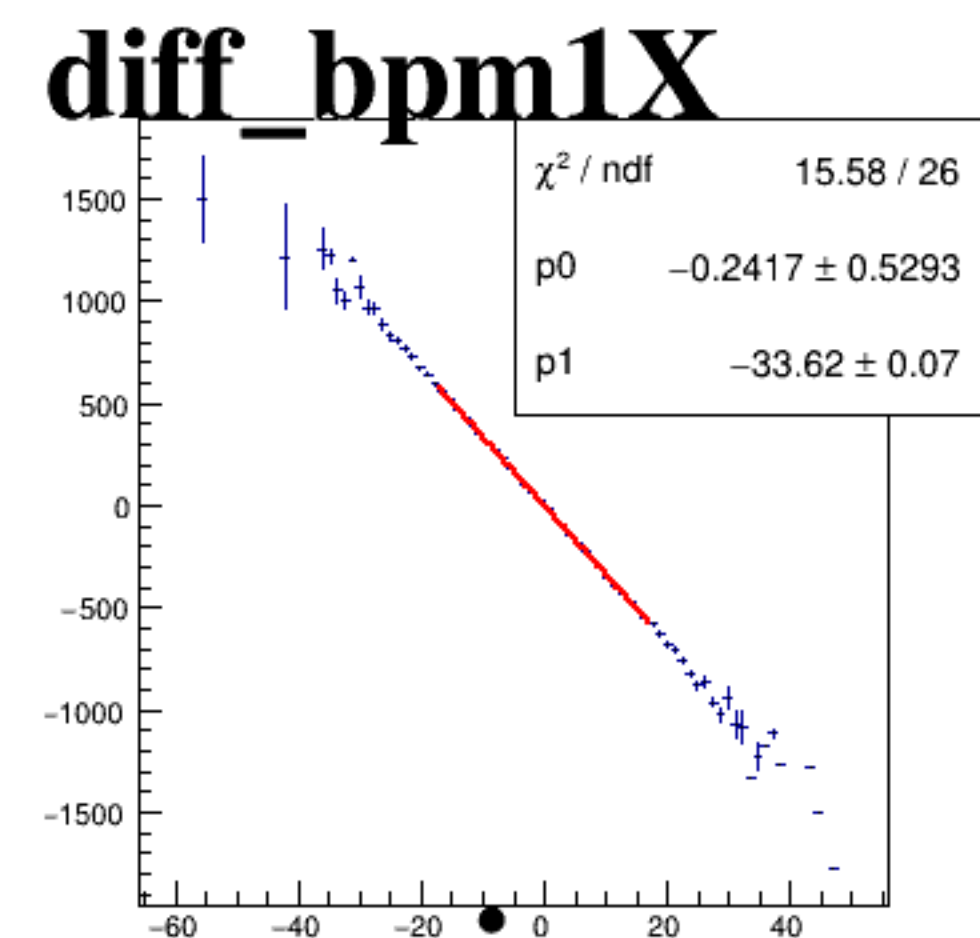
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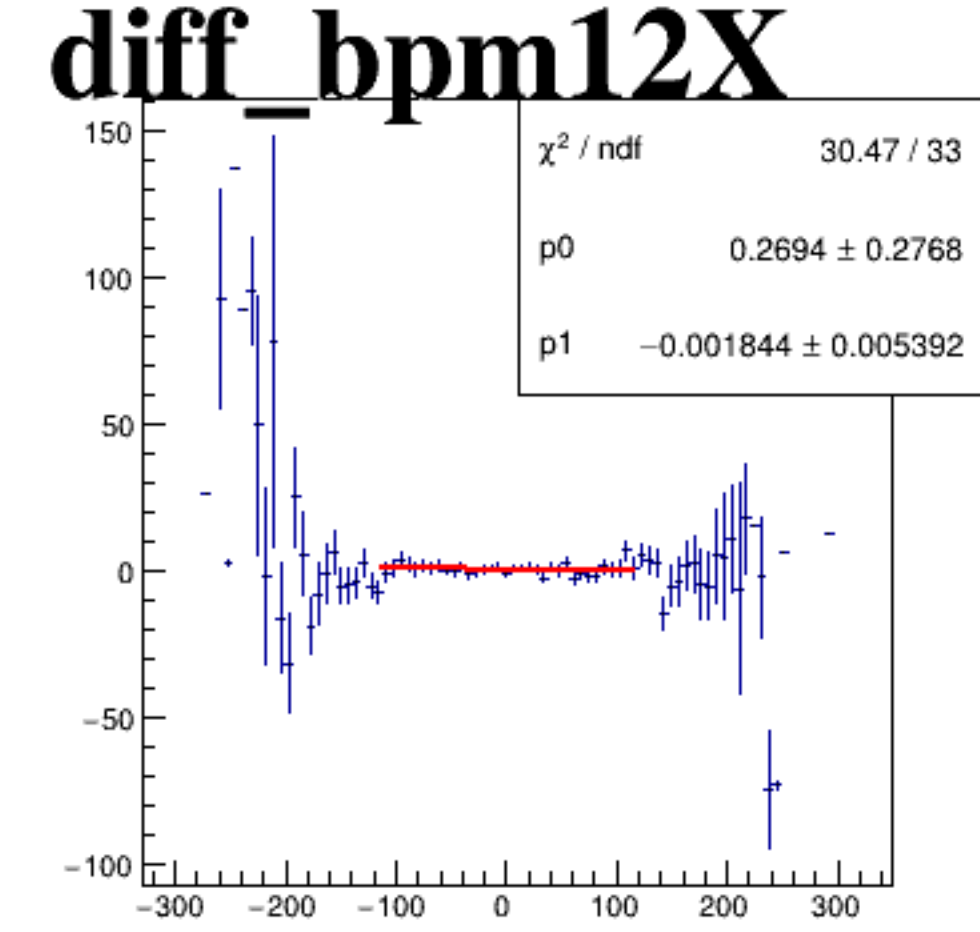
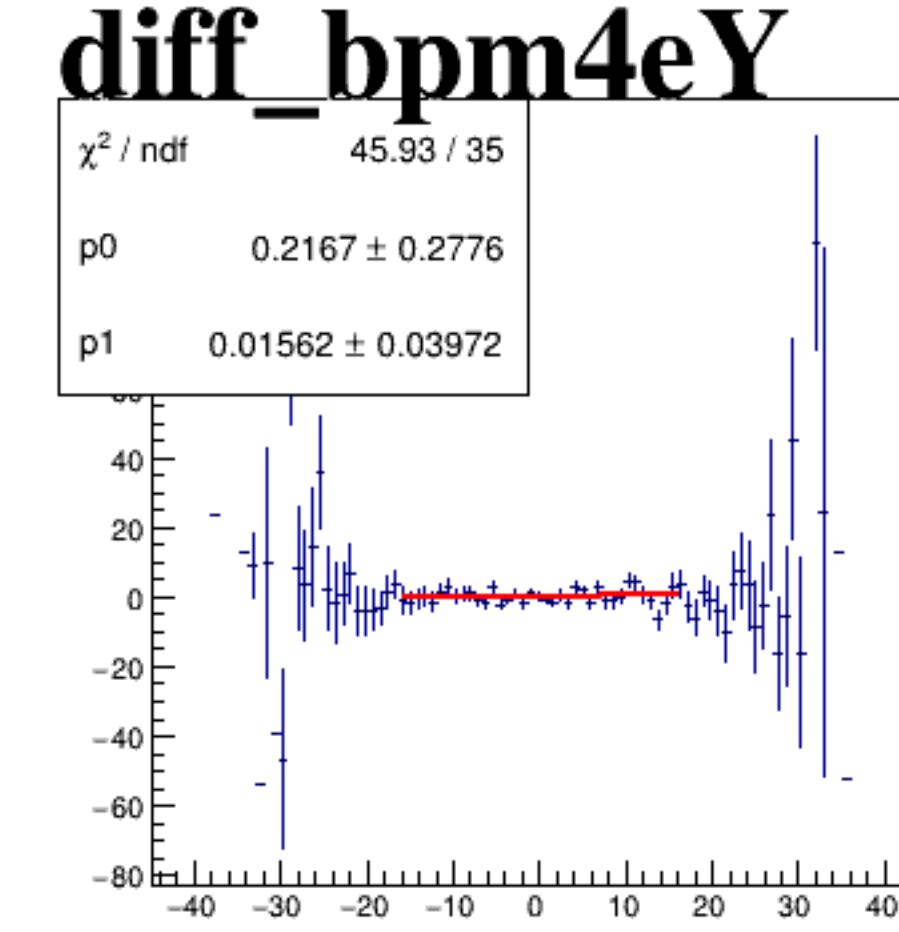
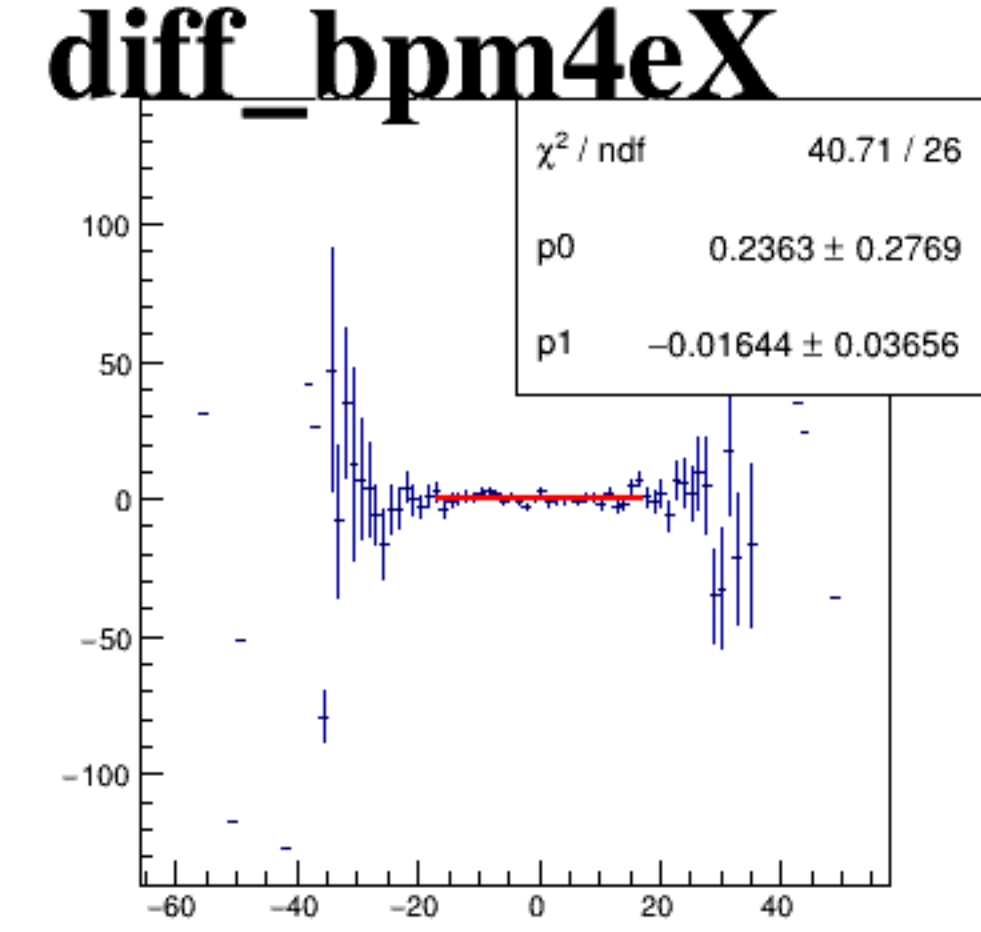
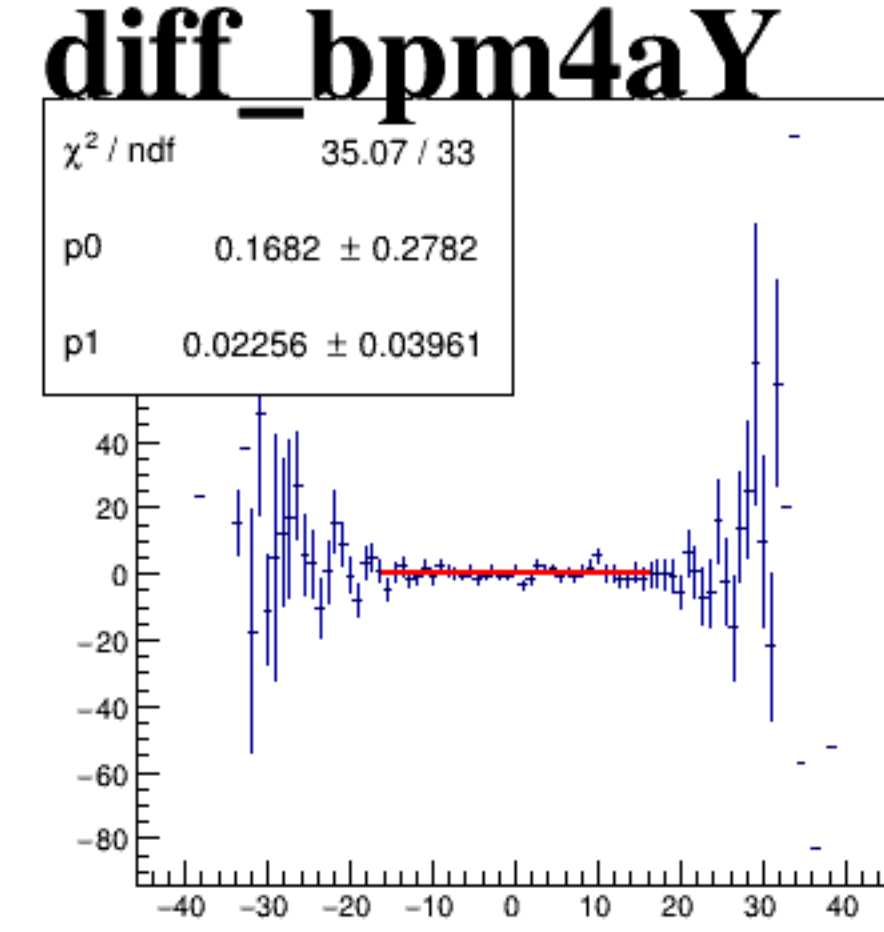
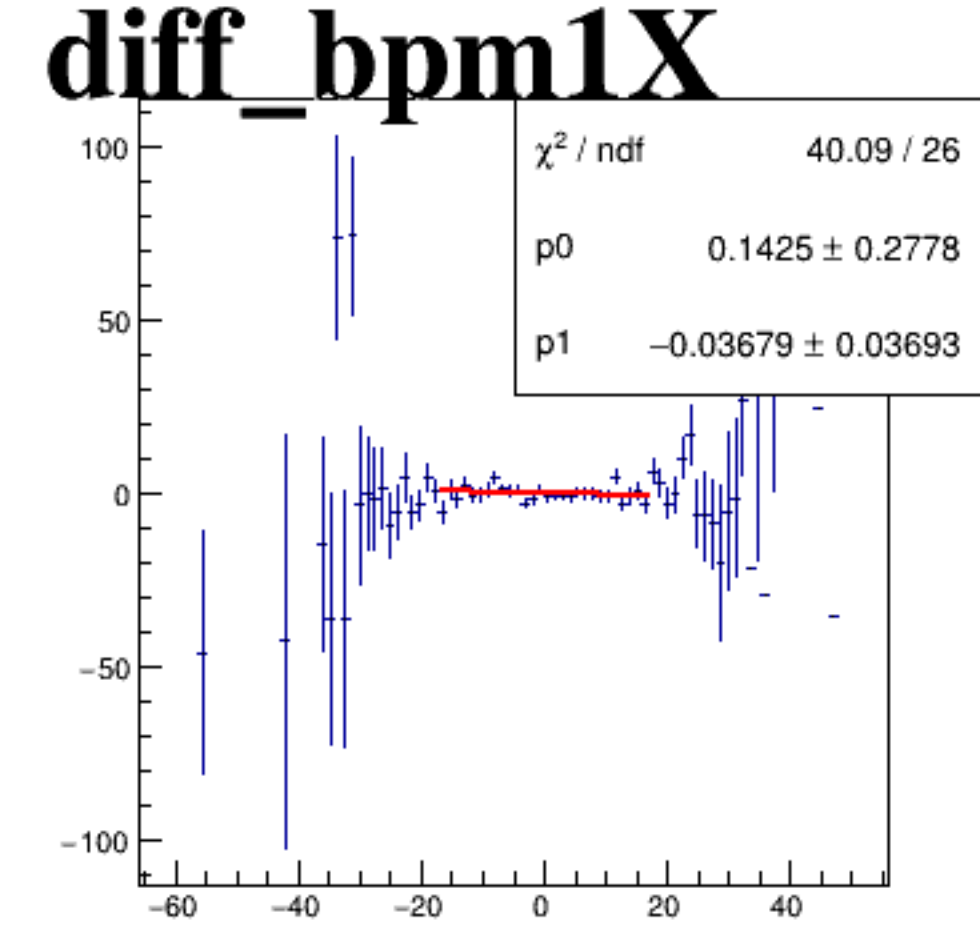
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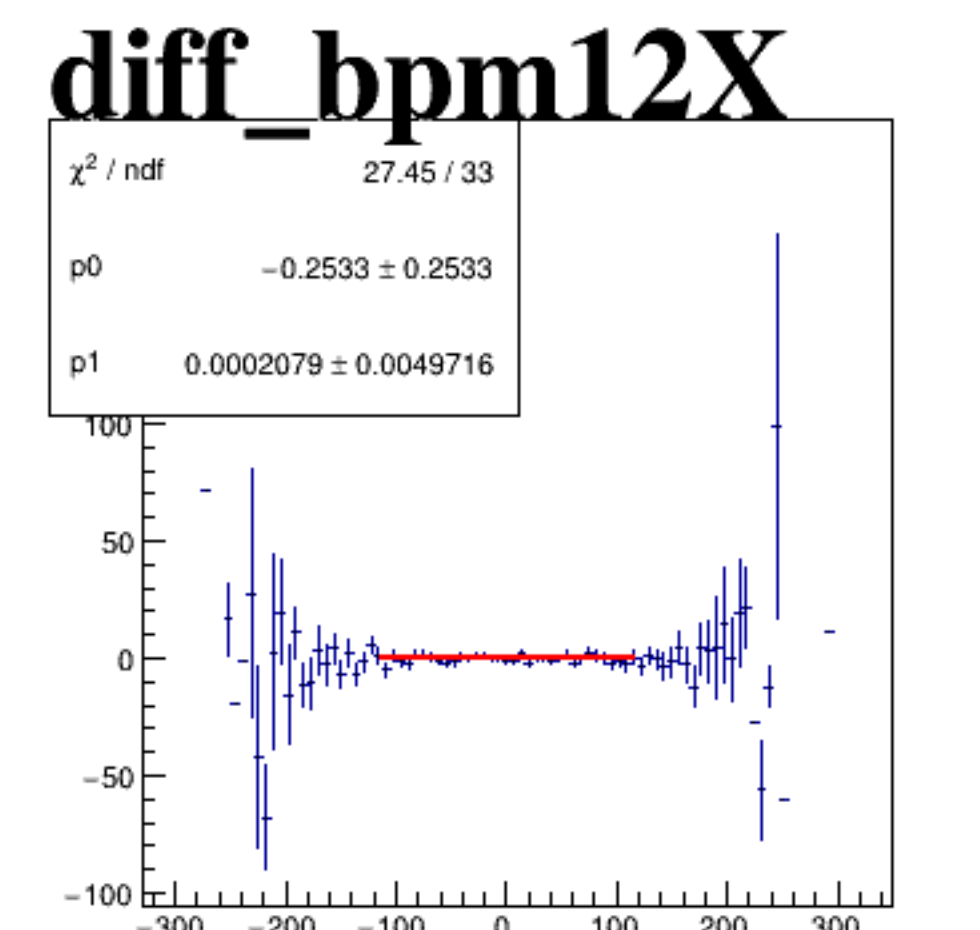
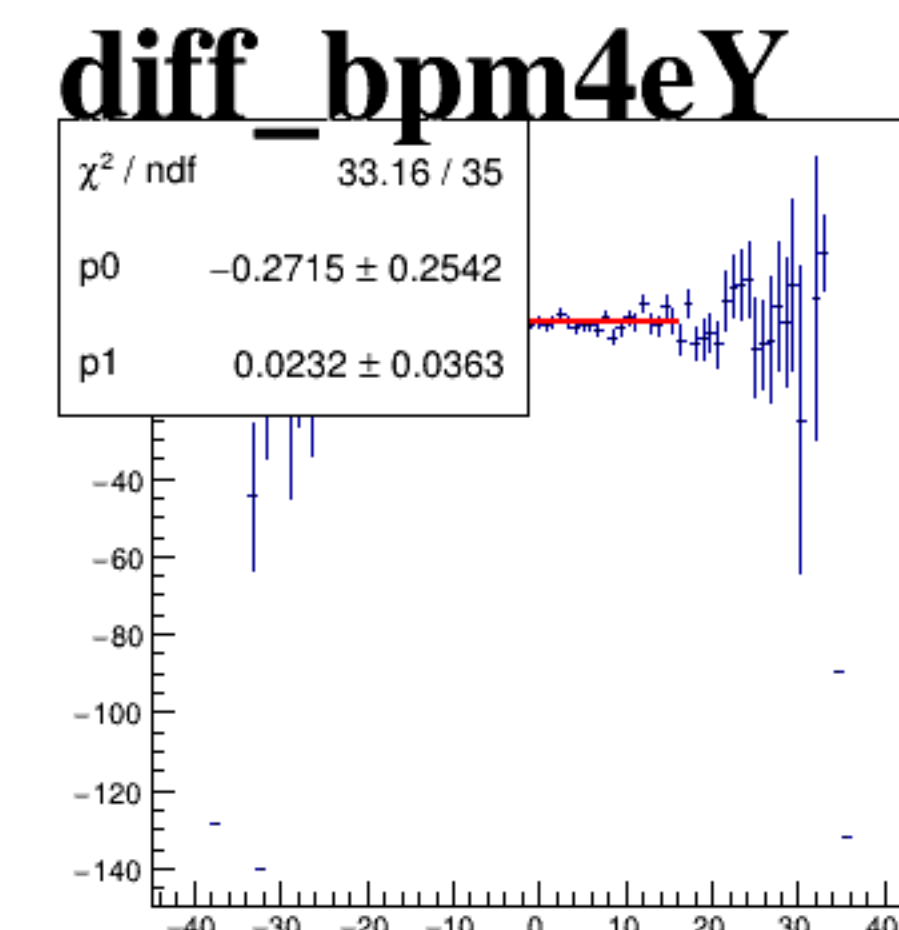
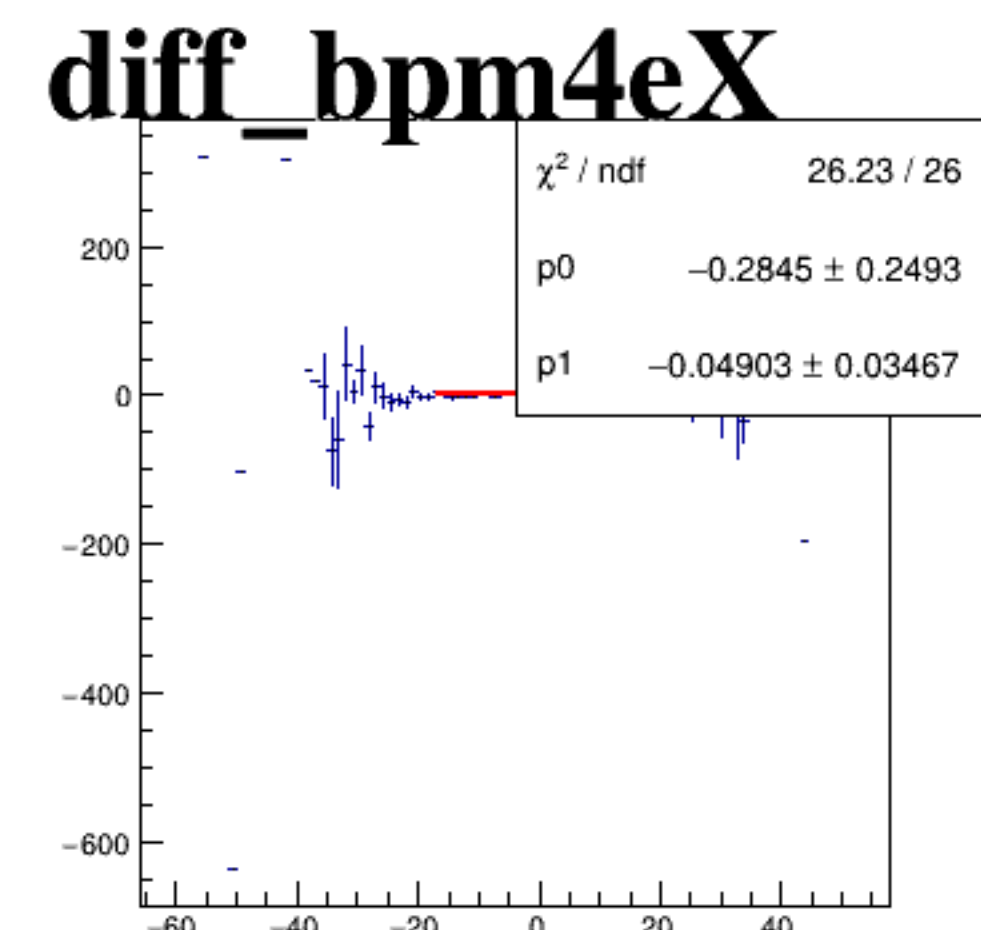
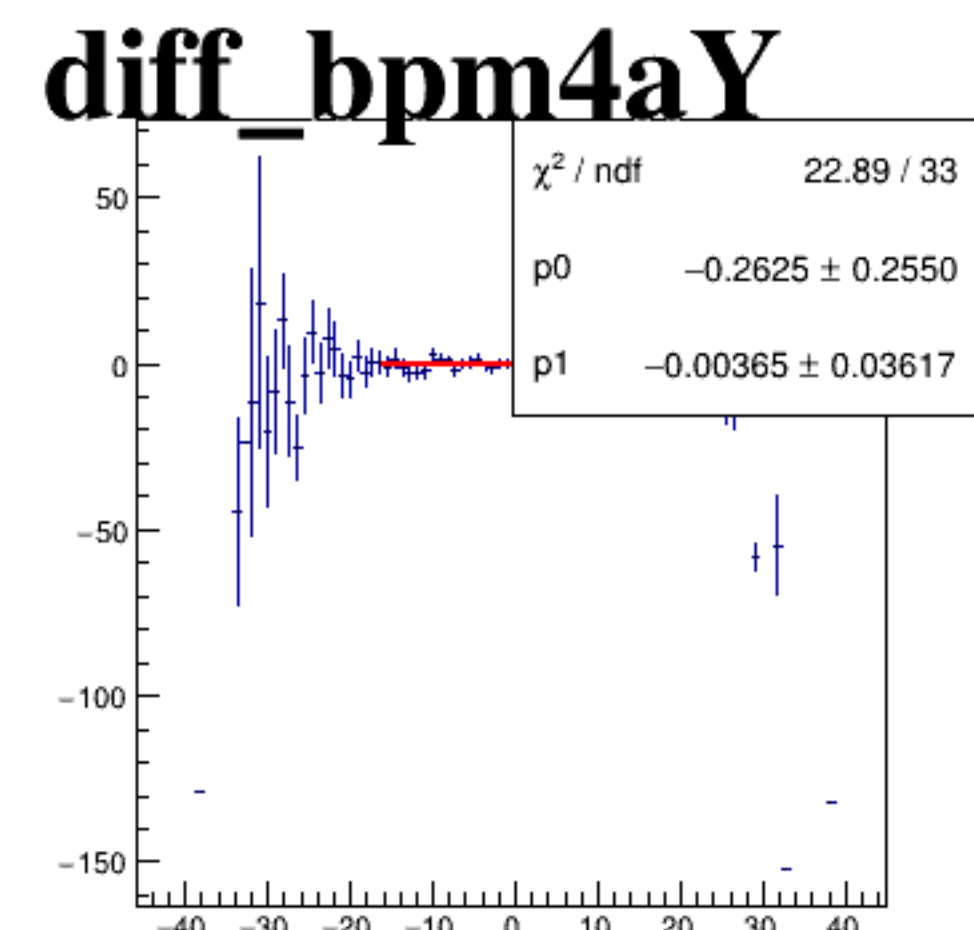
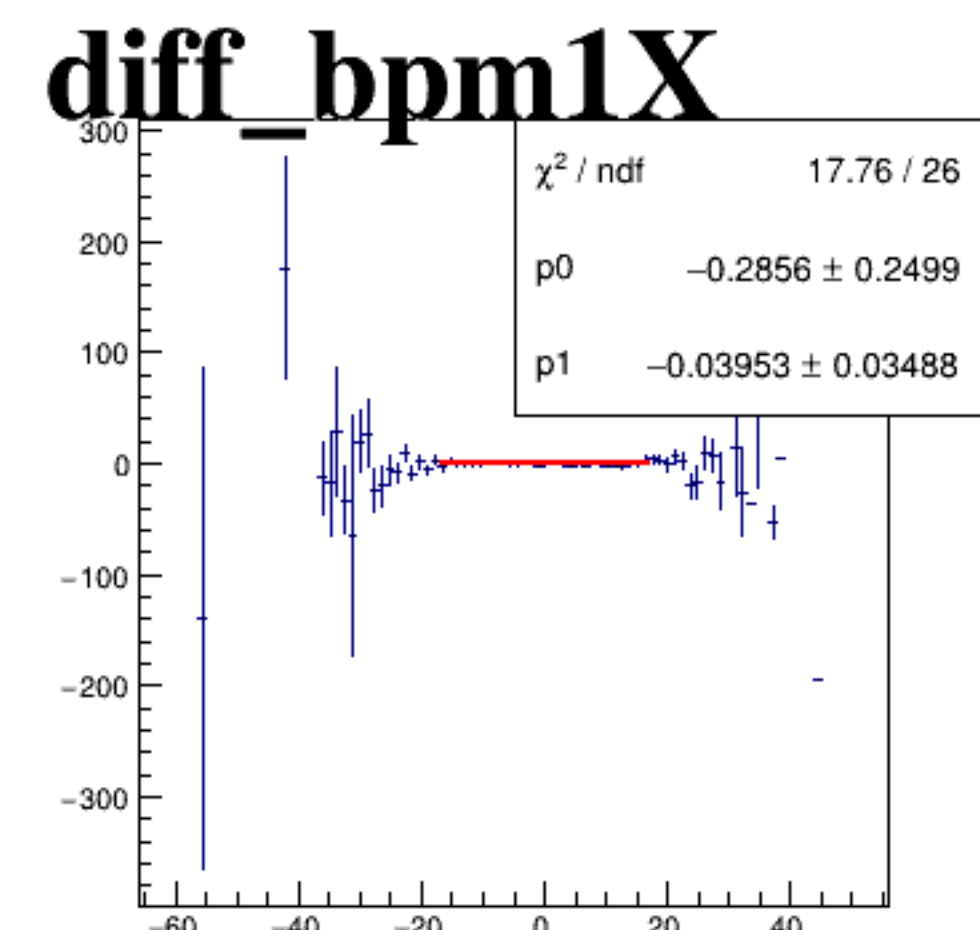
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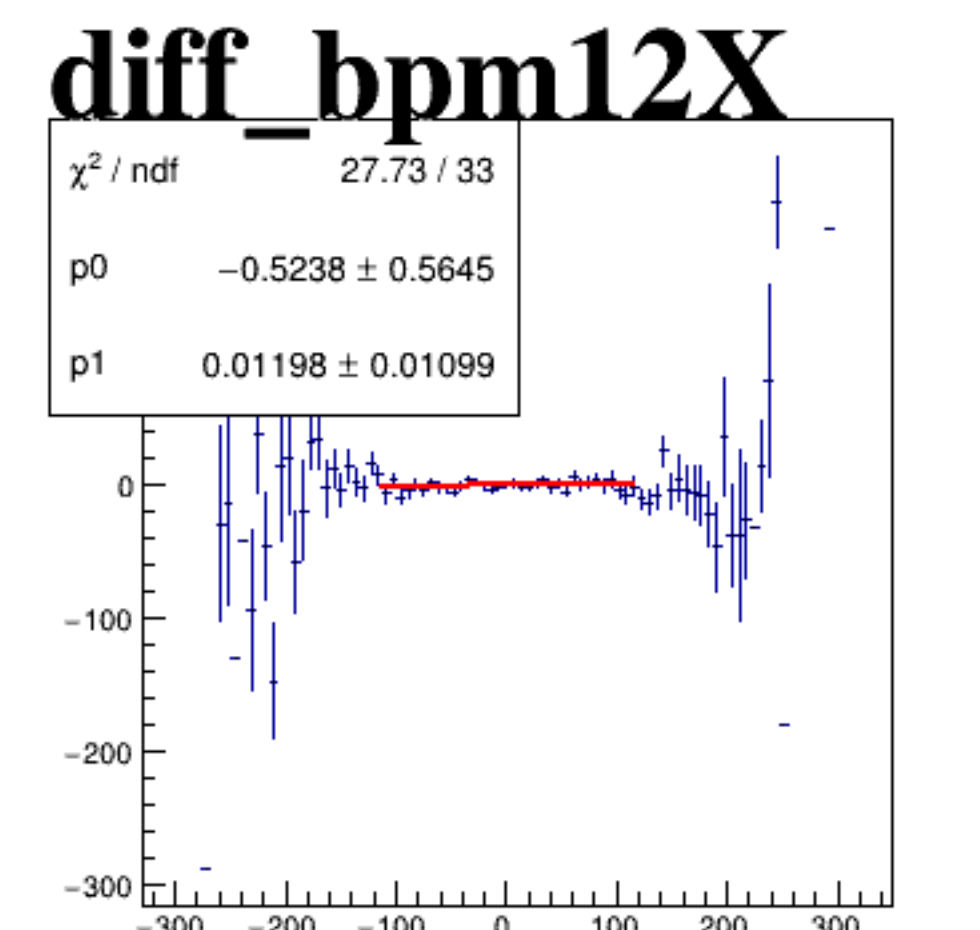
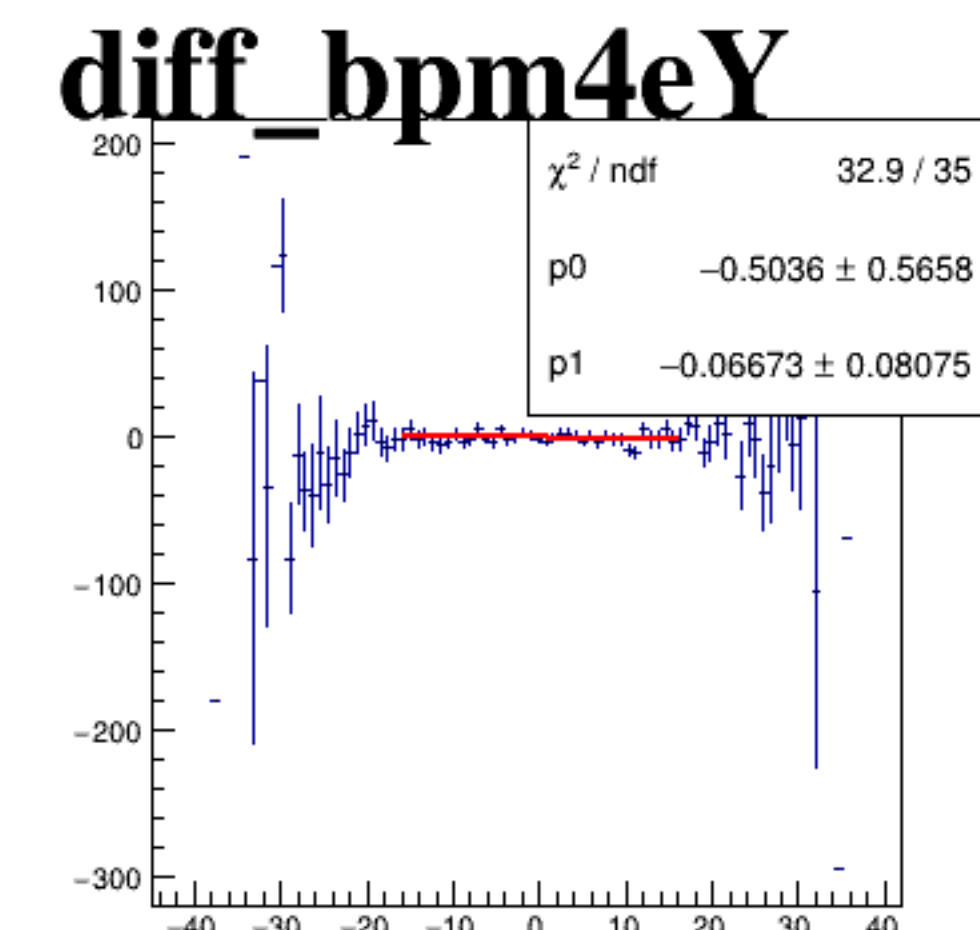
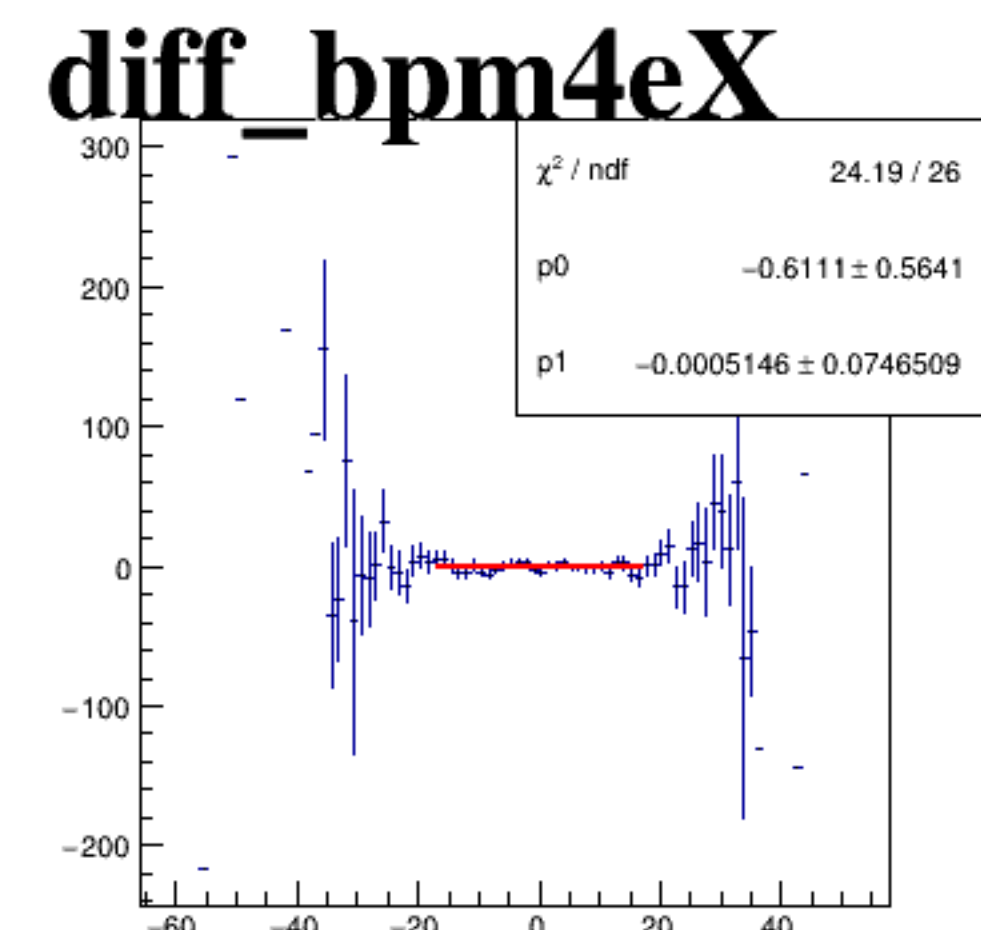
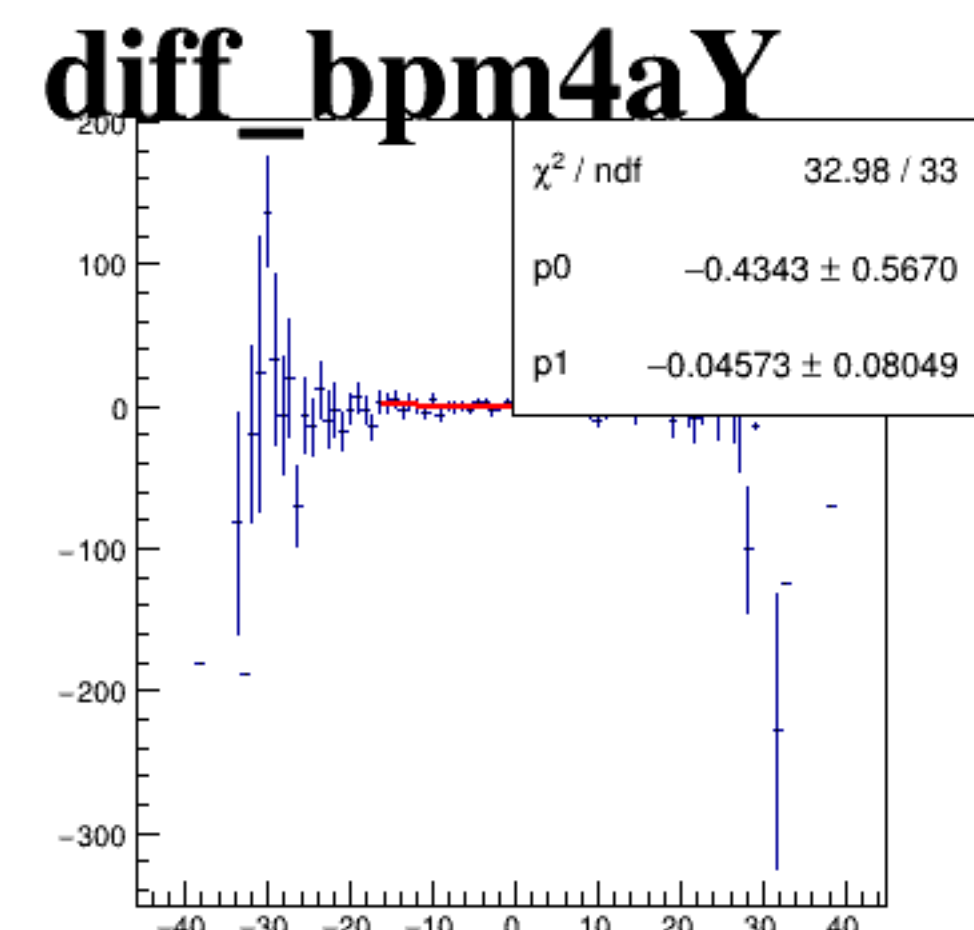
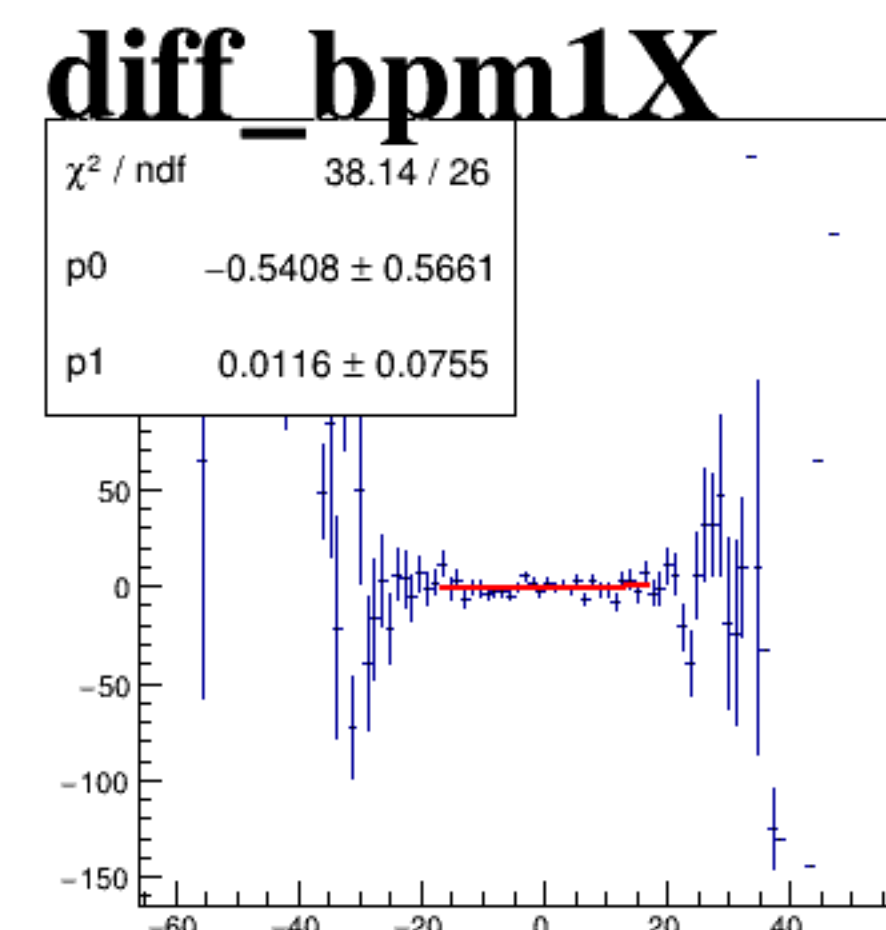
reg_asym_sam1



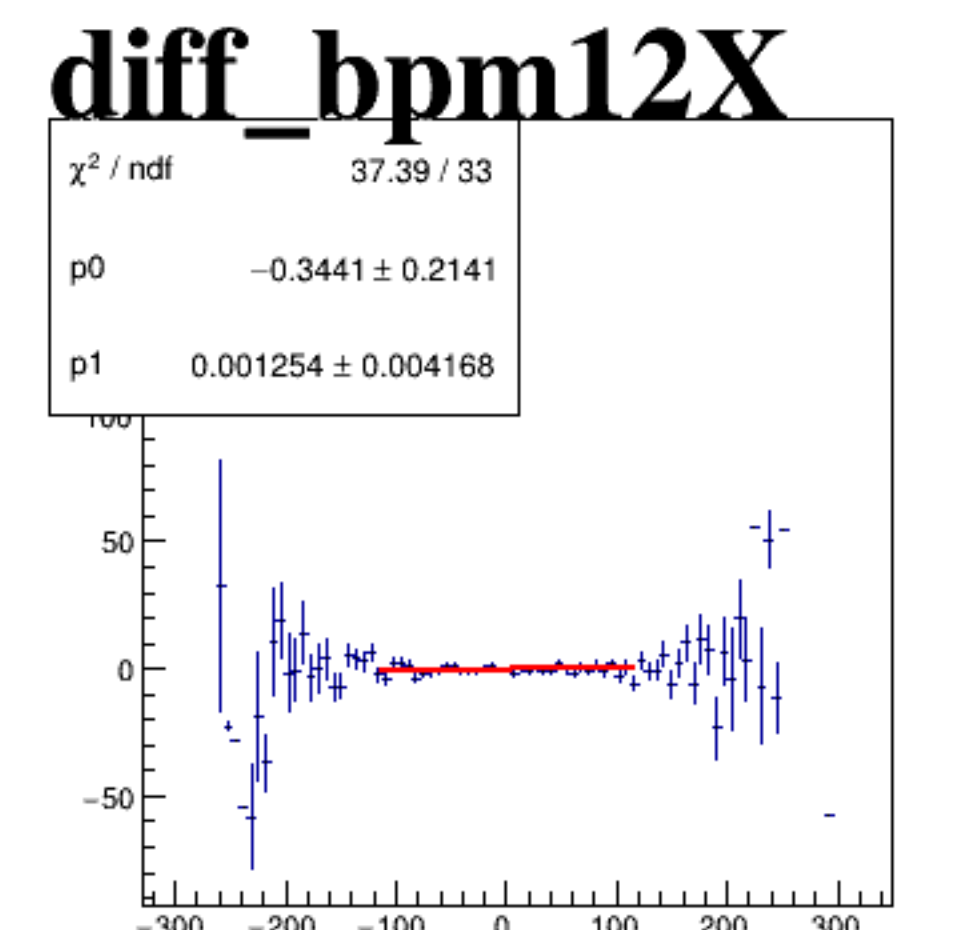
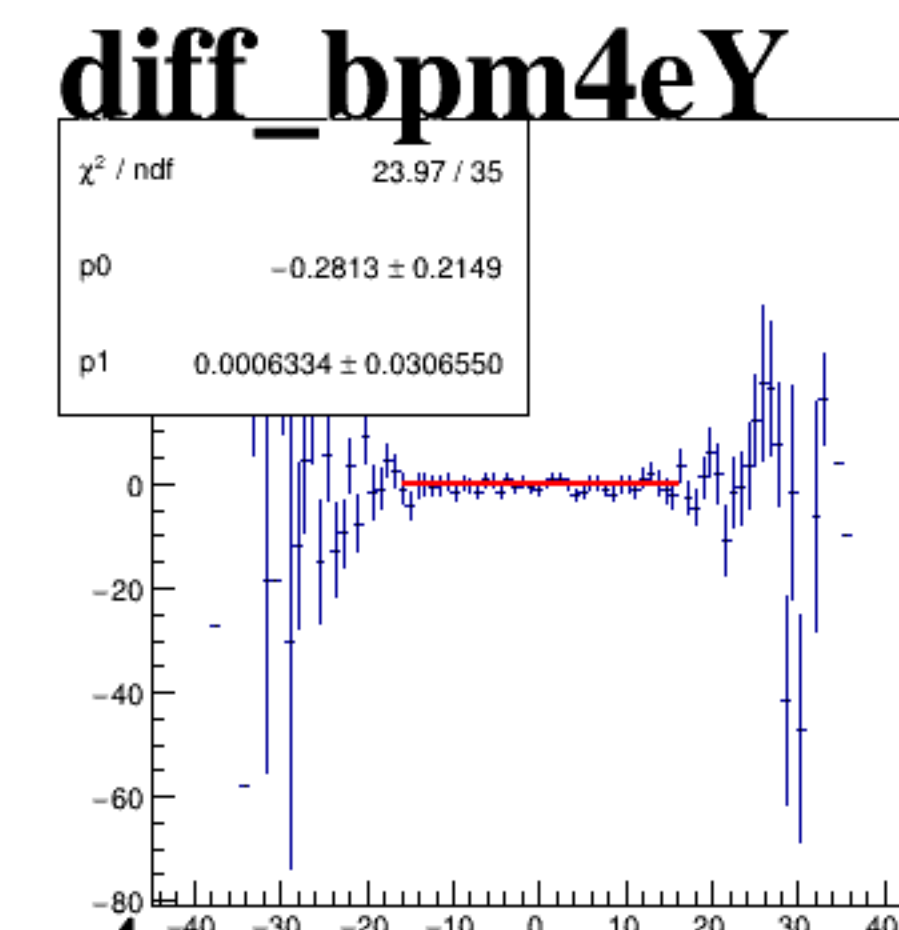
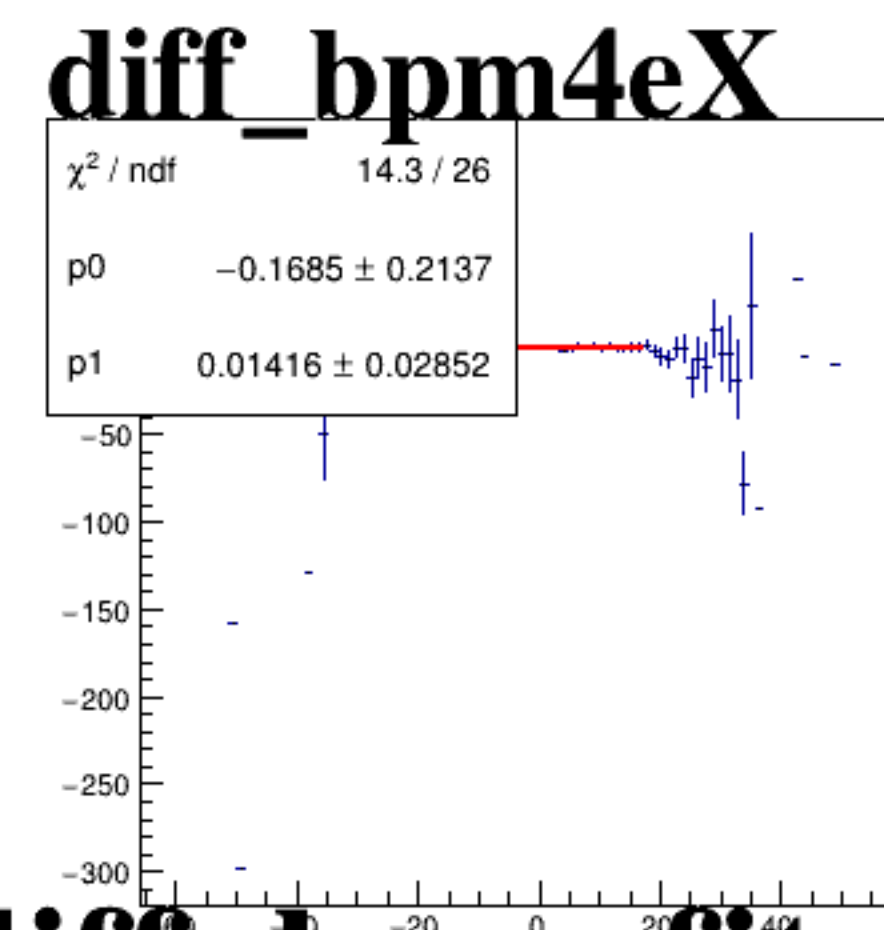
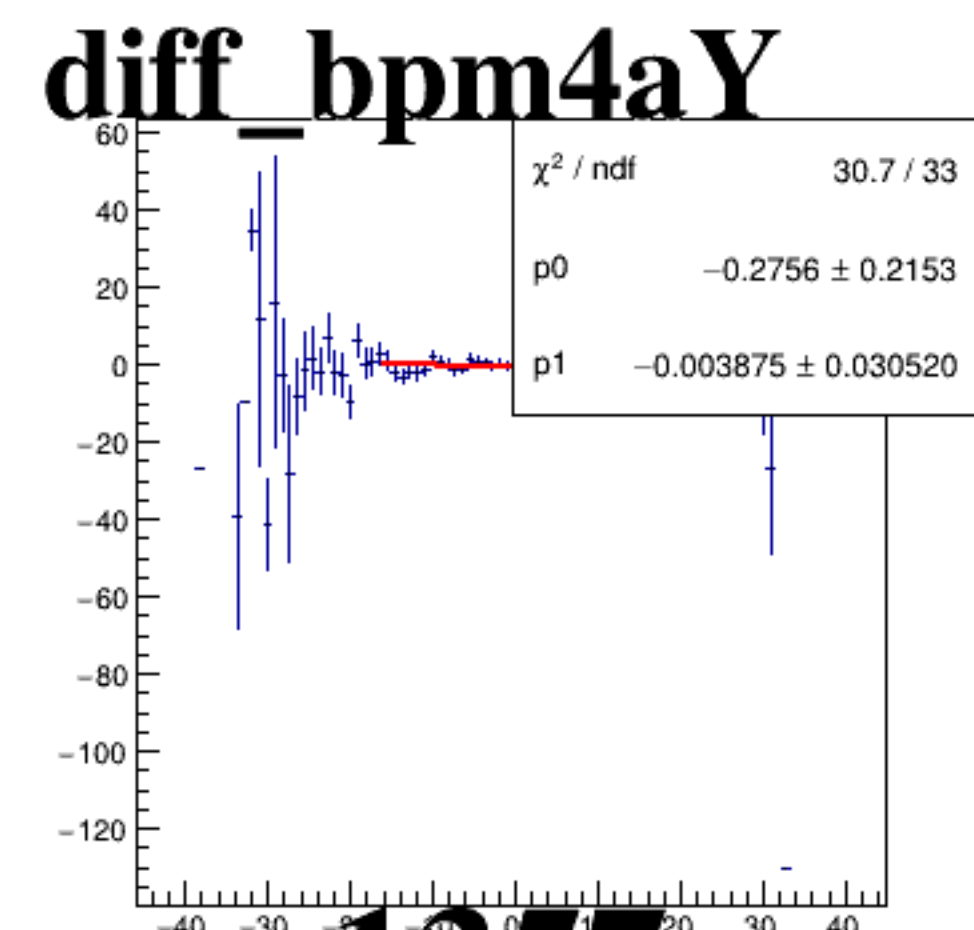
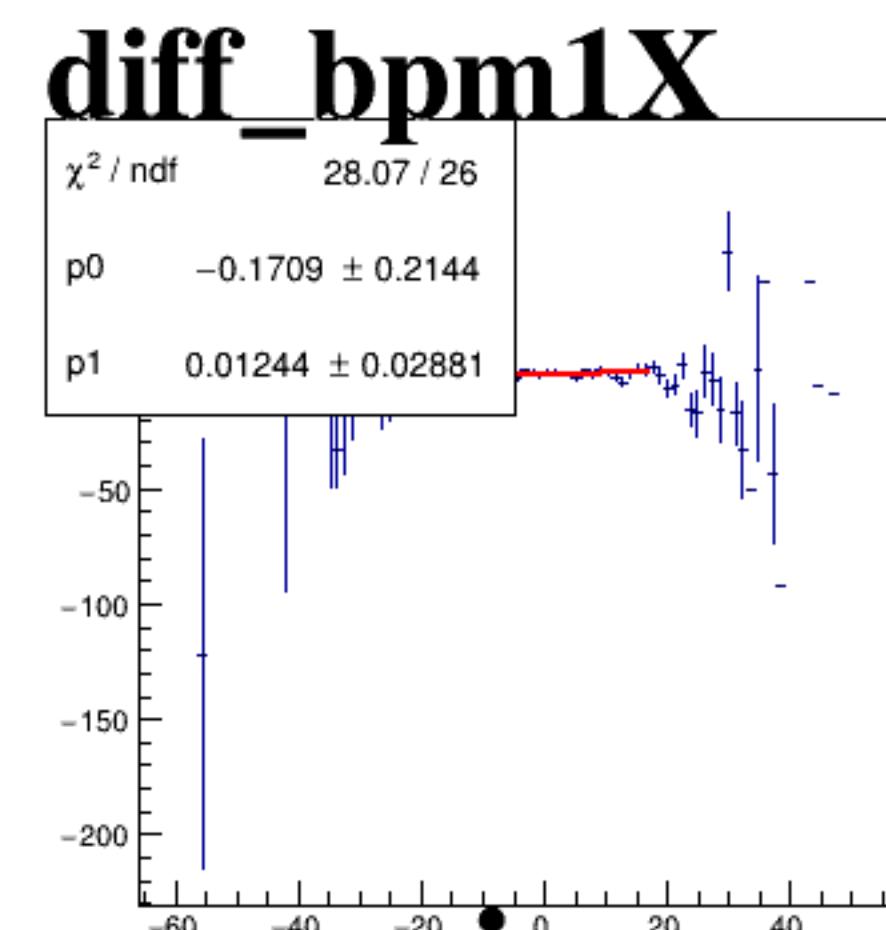
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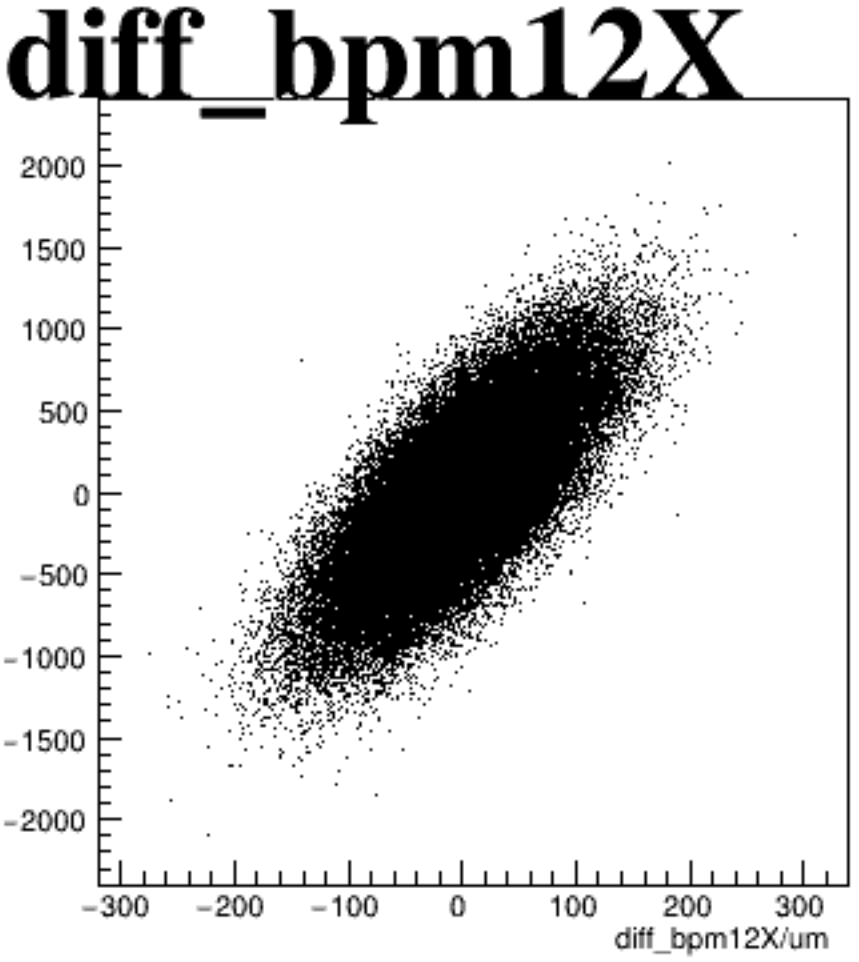
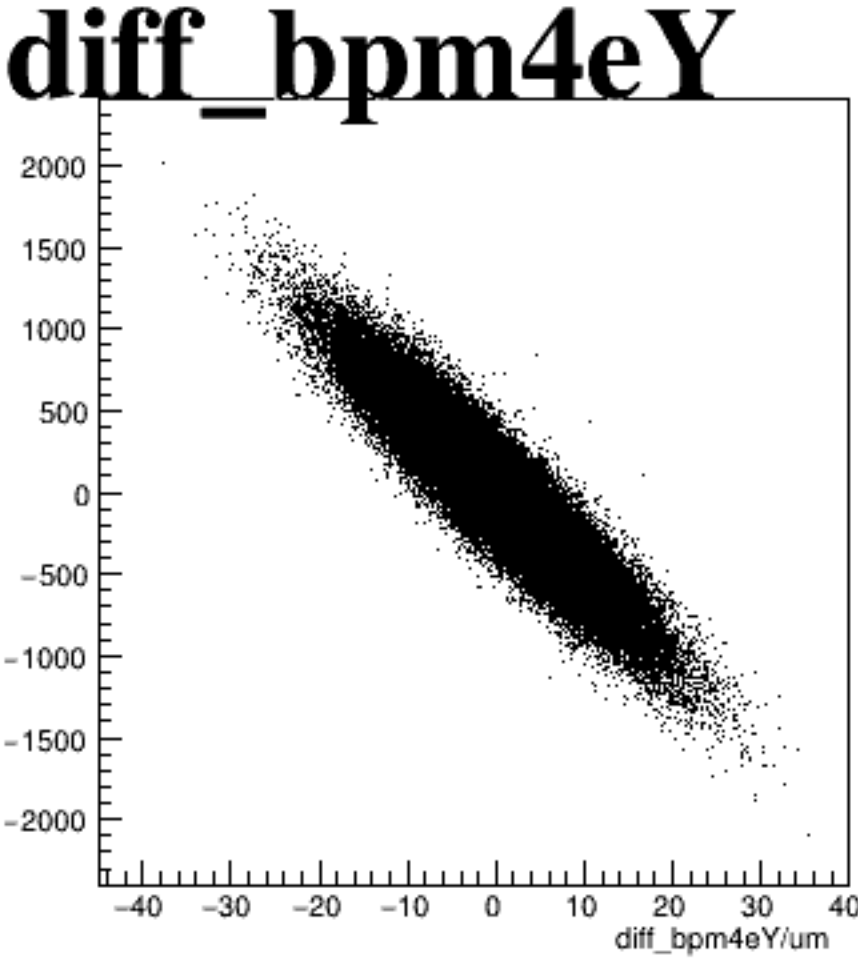
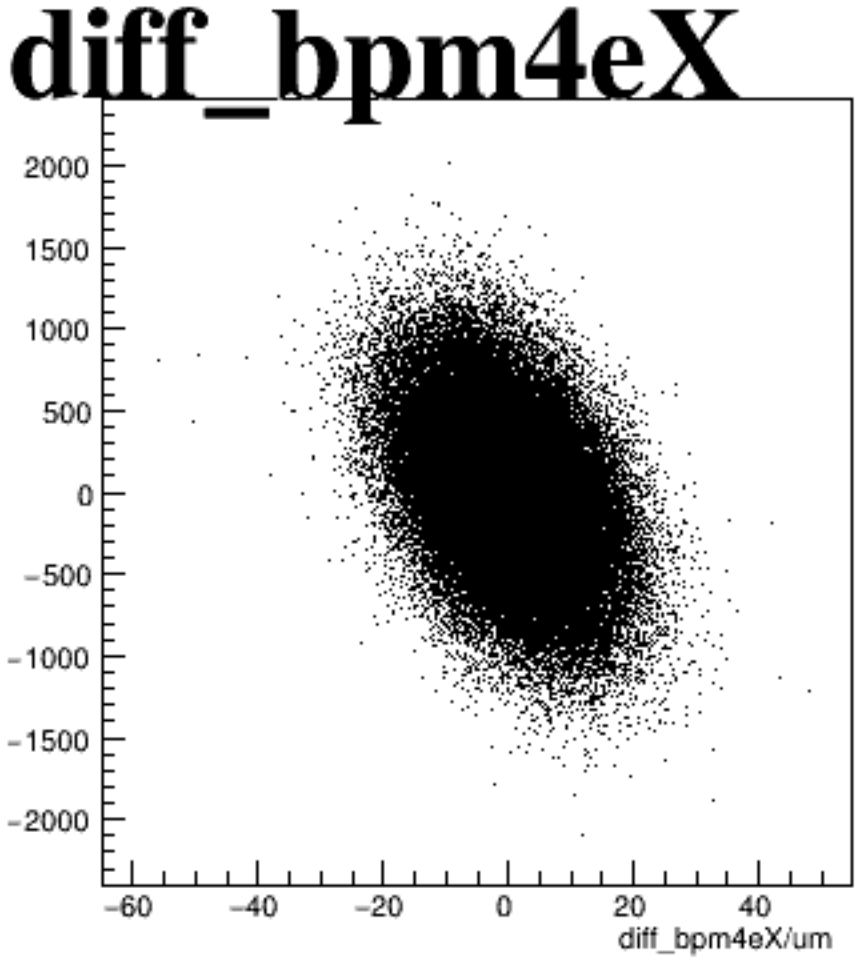
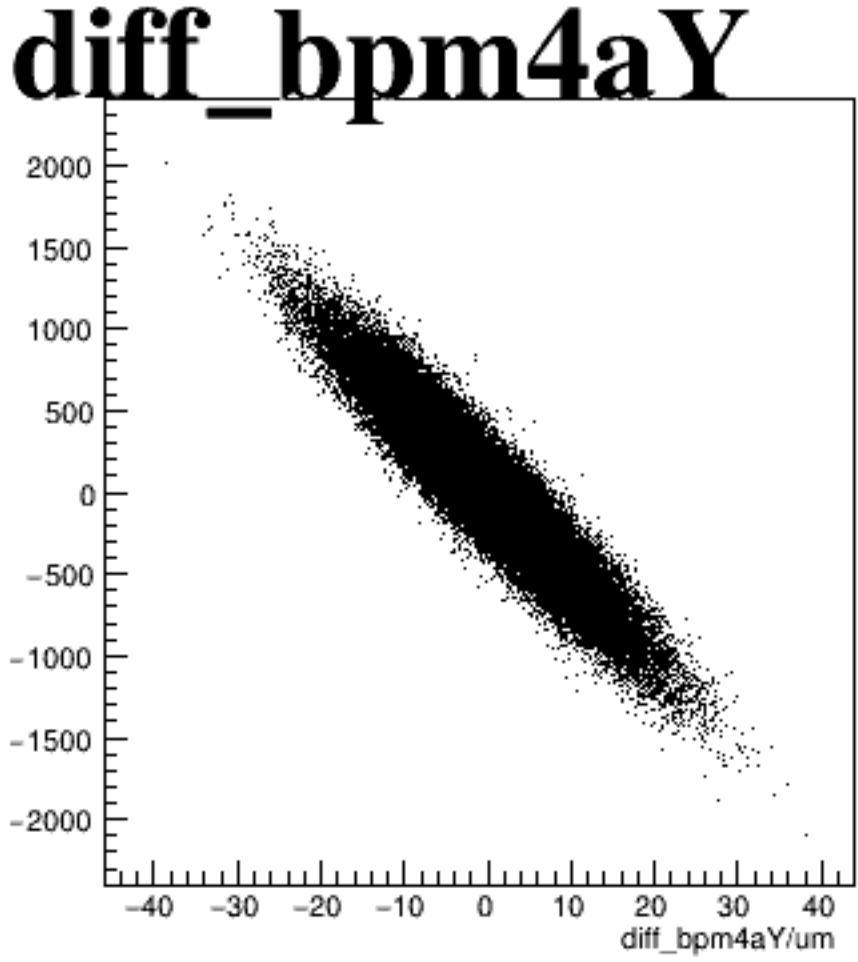
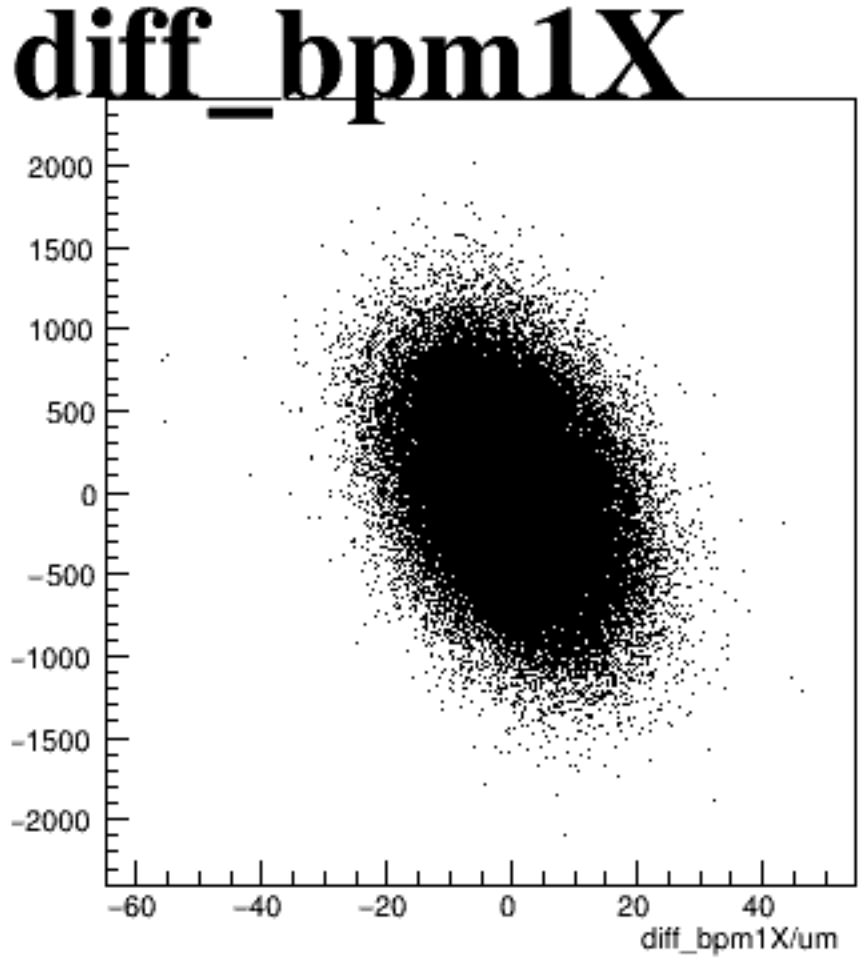
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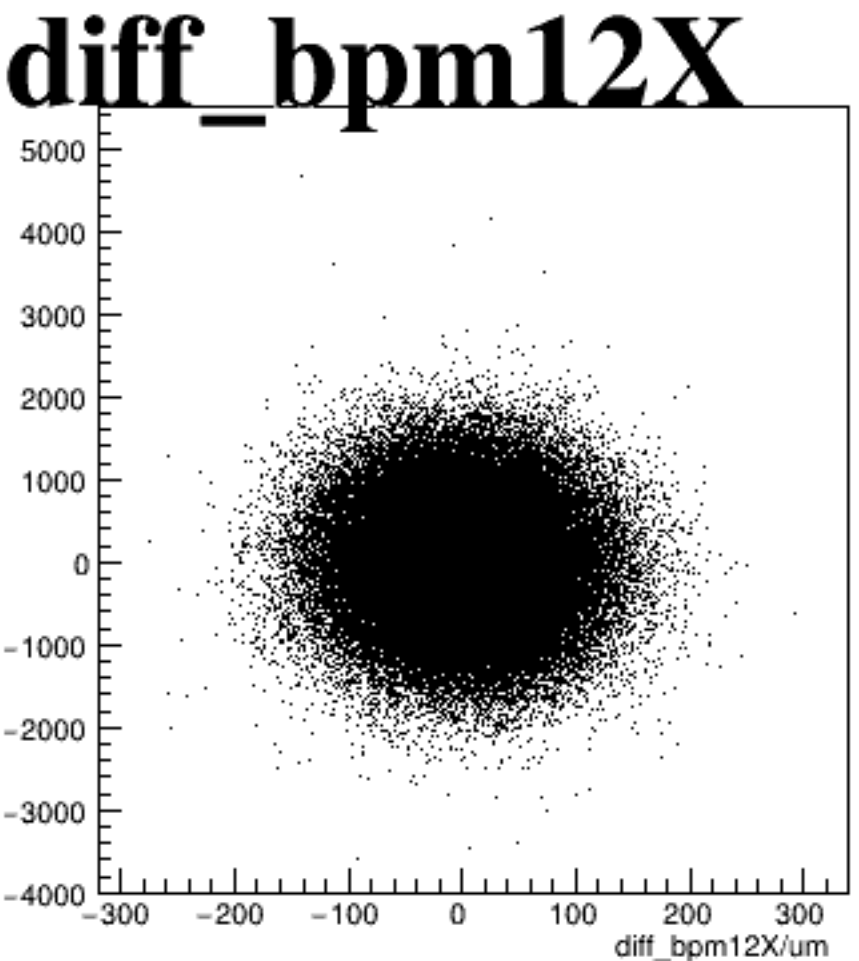
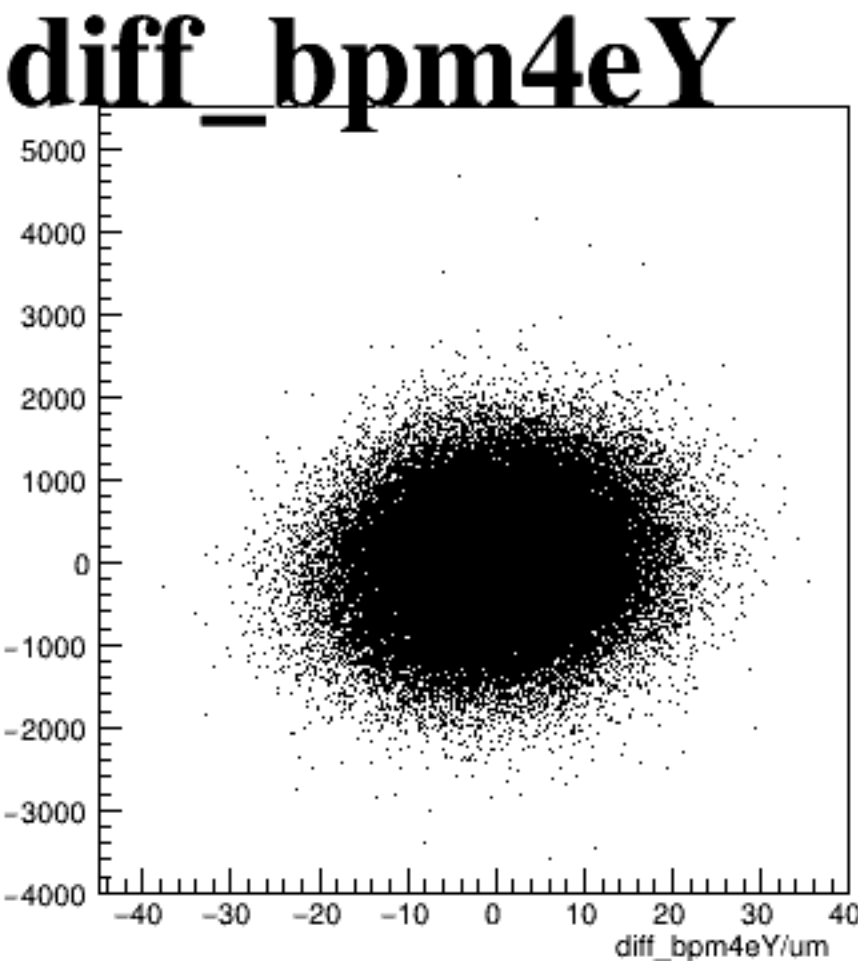
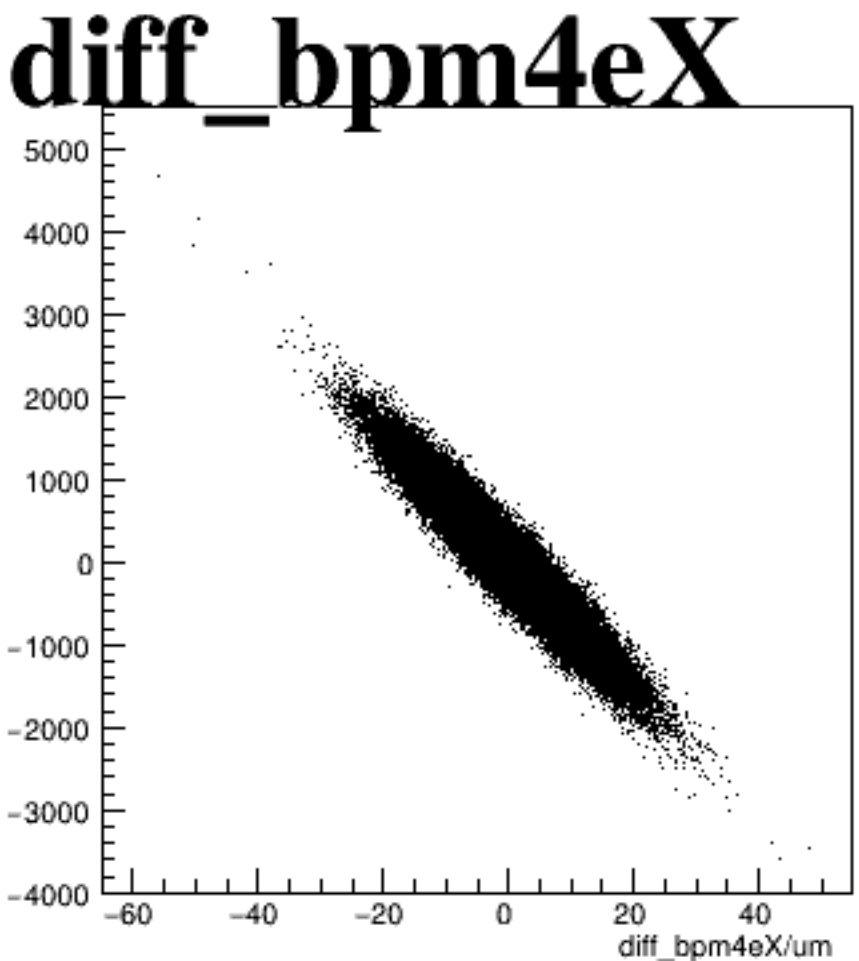
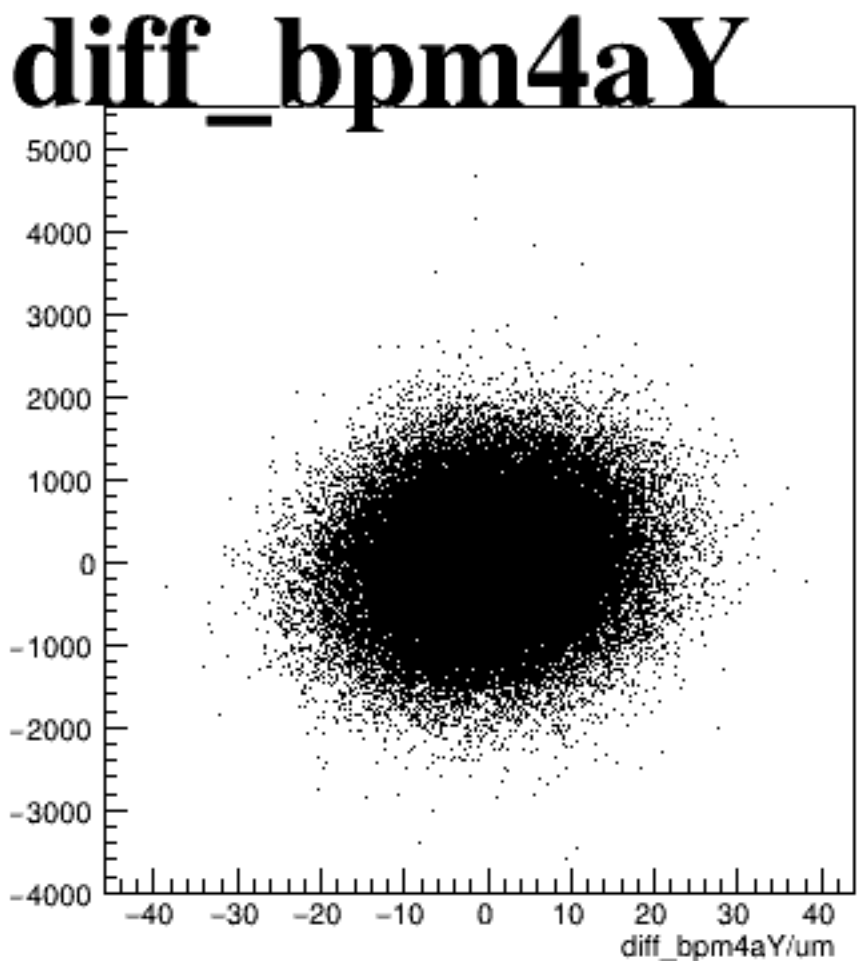
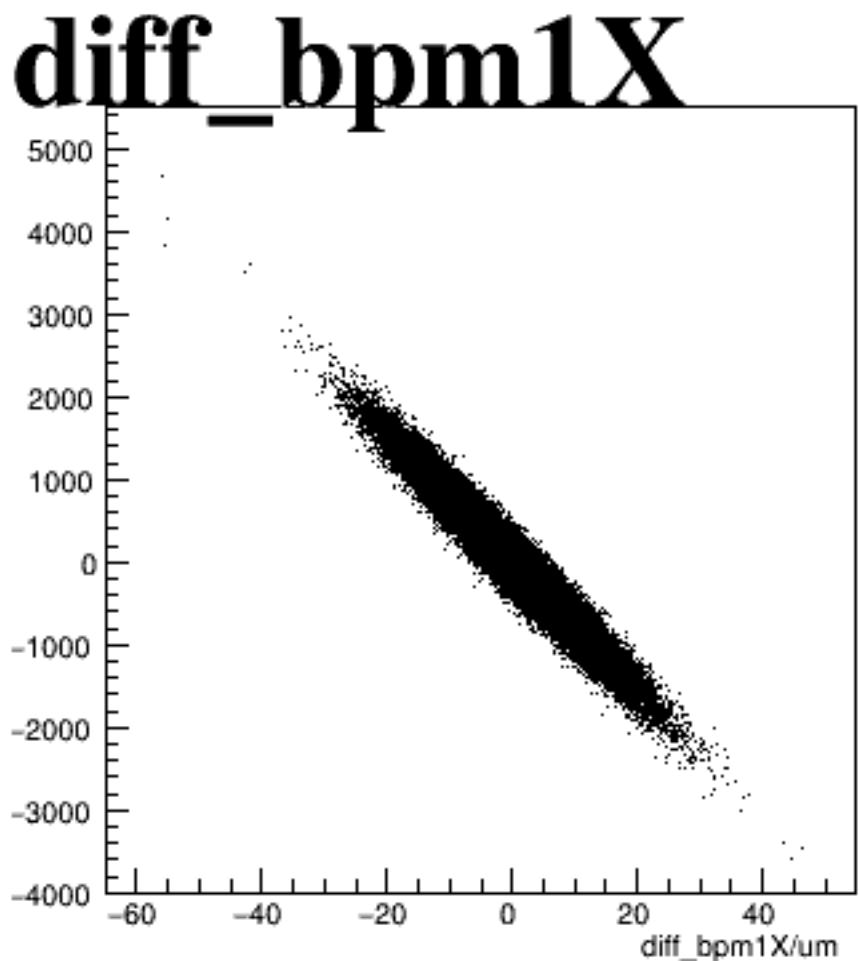
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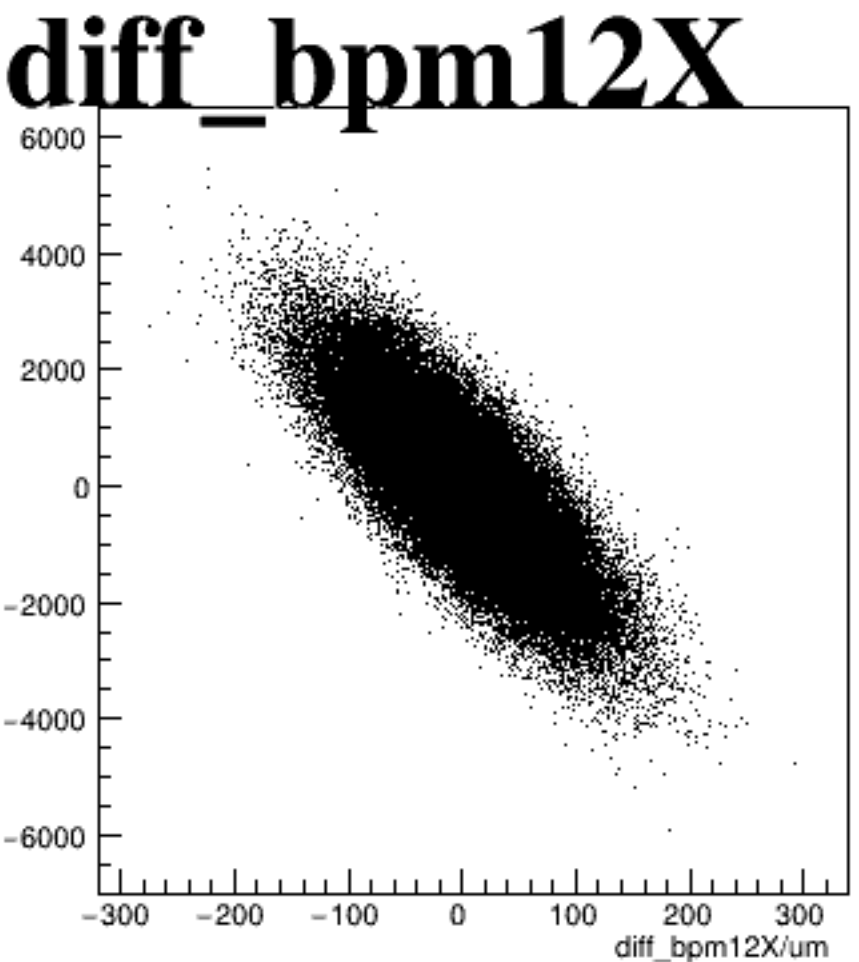
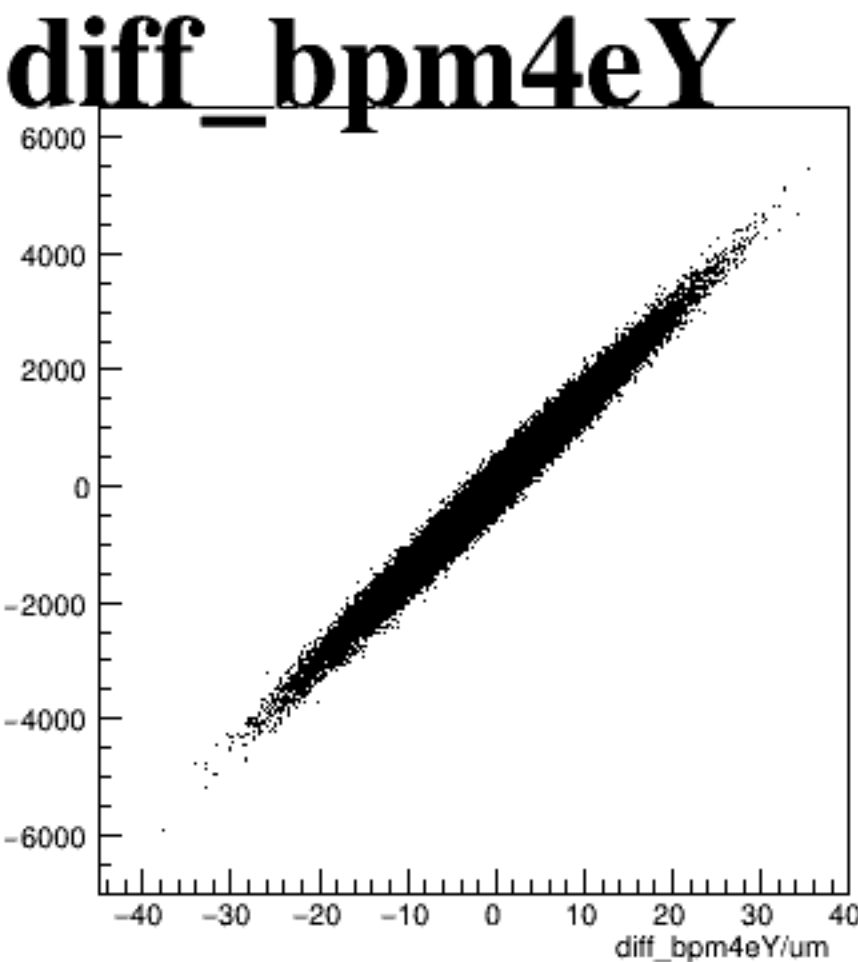
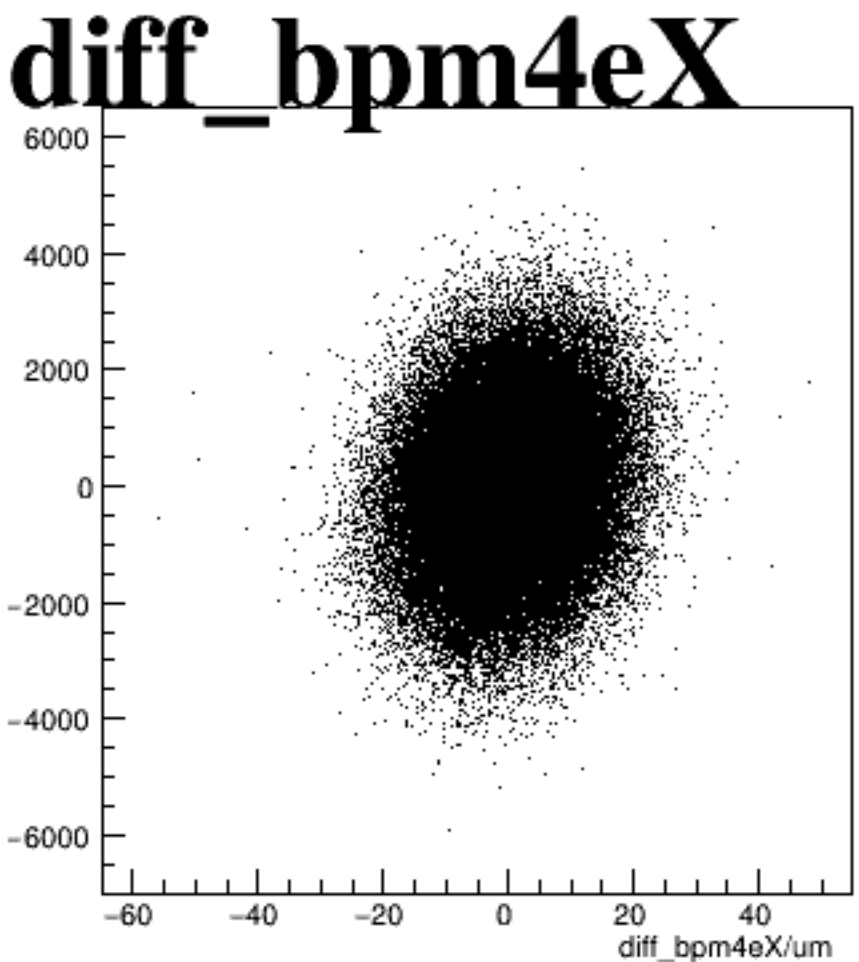
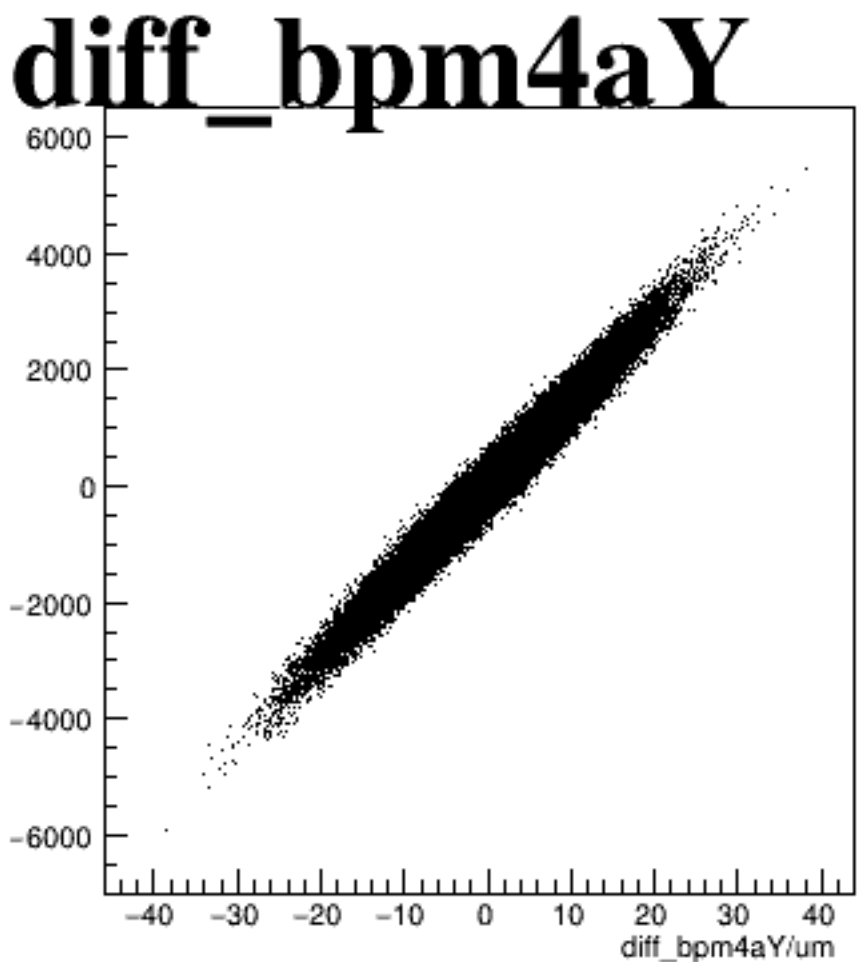
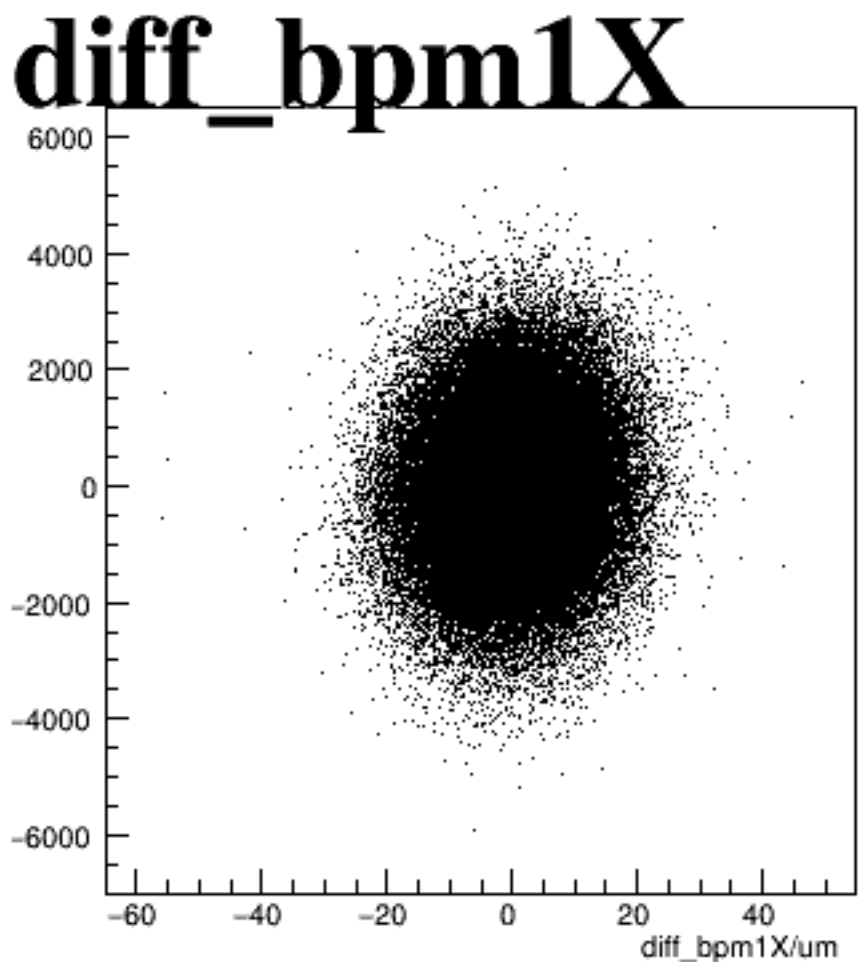
asym_sam1



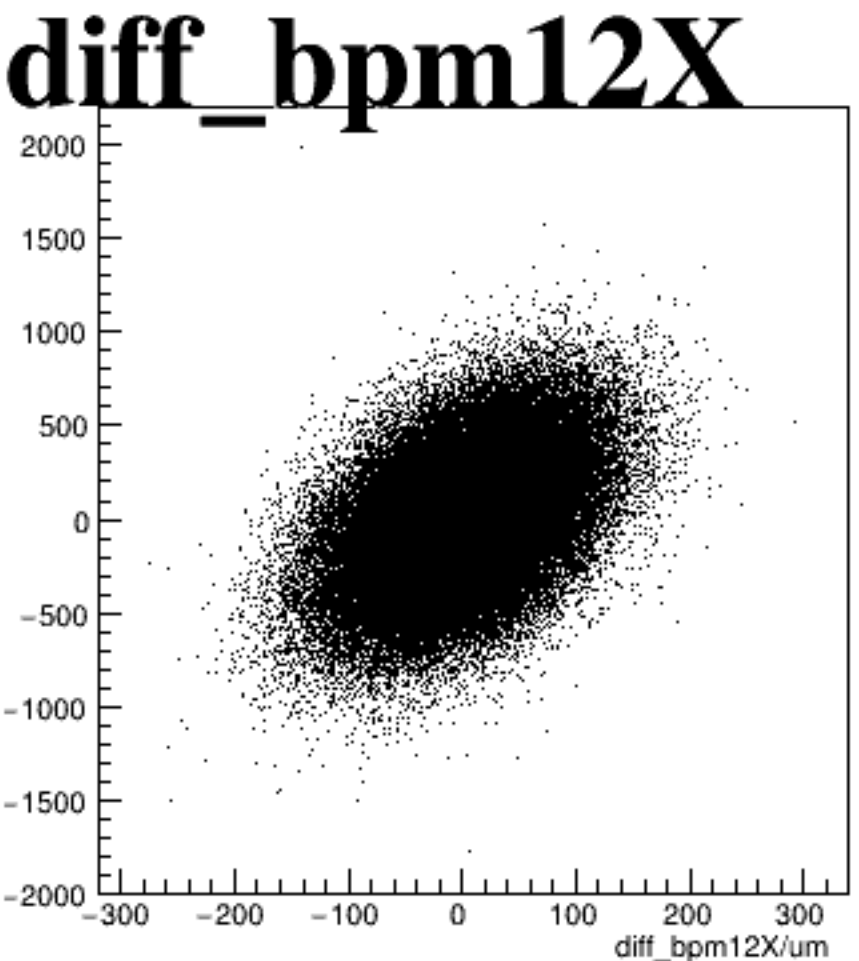
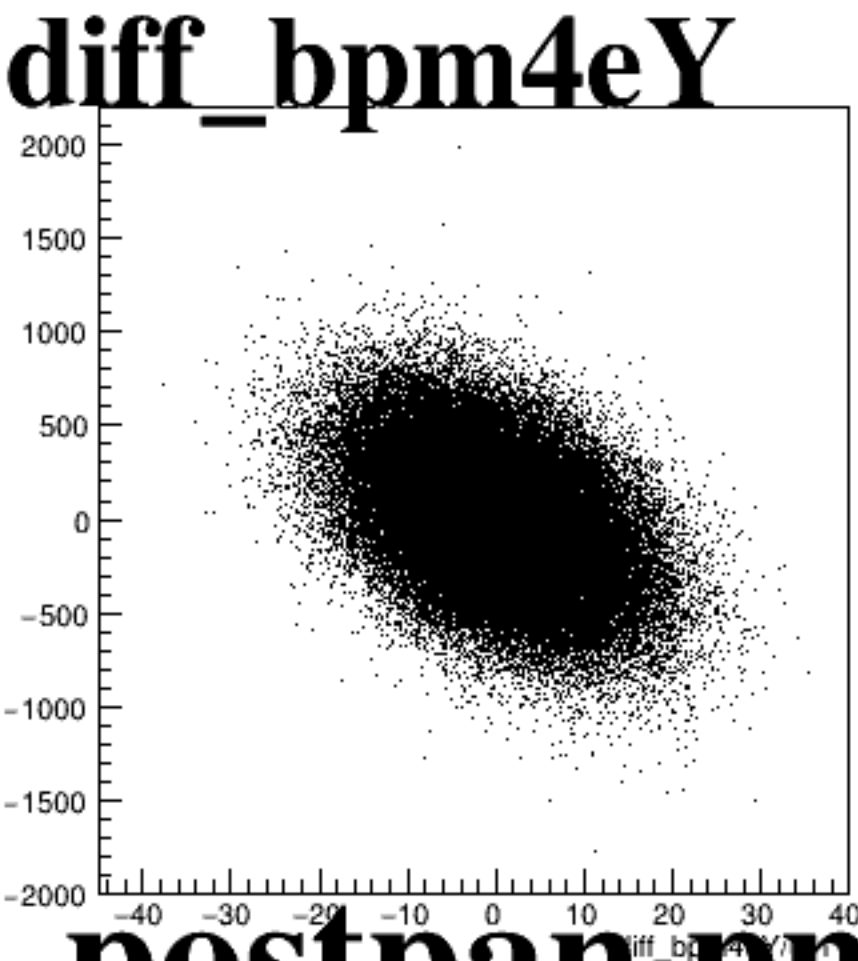
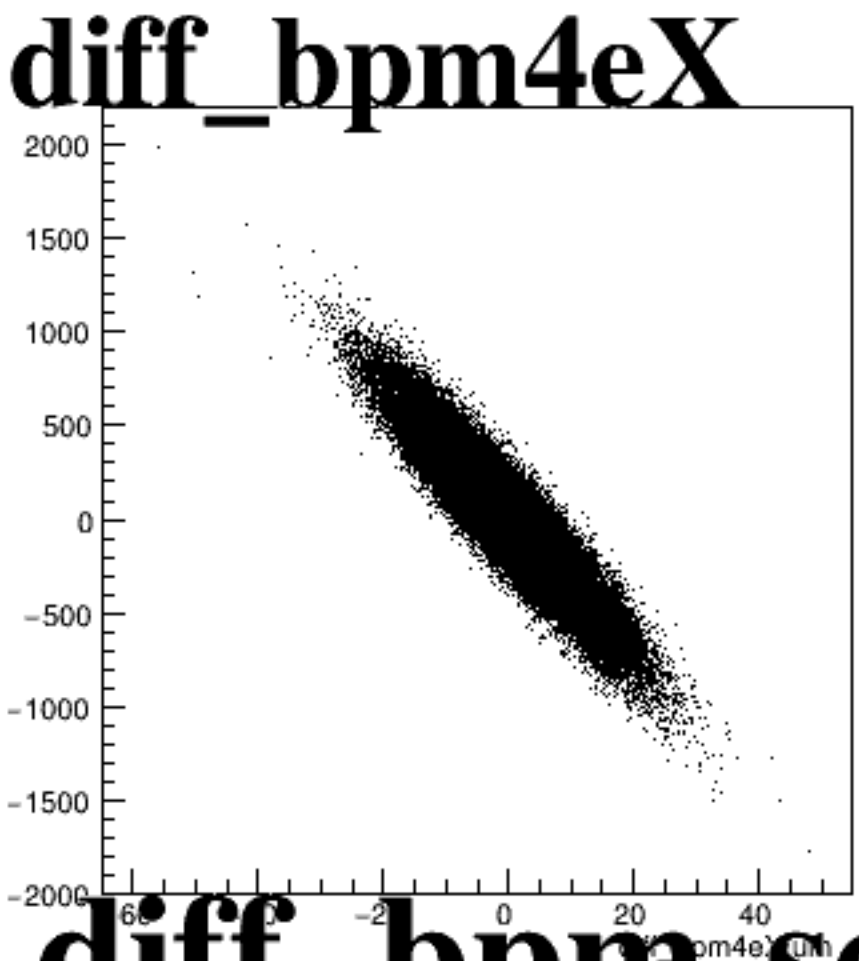
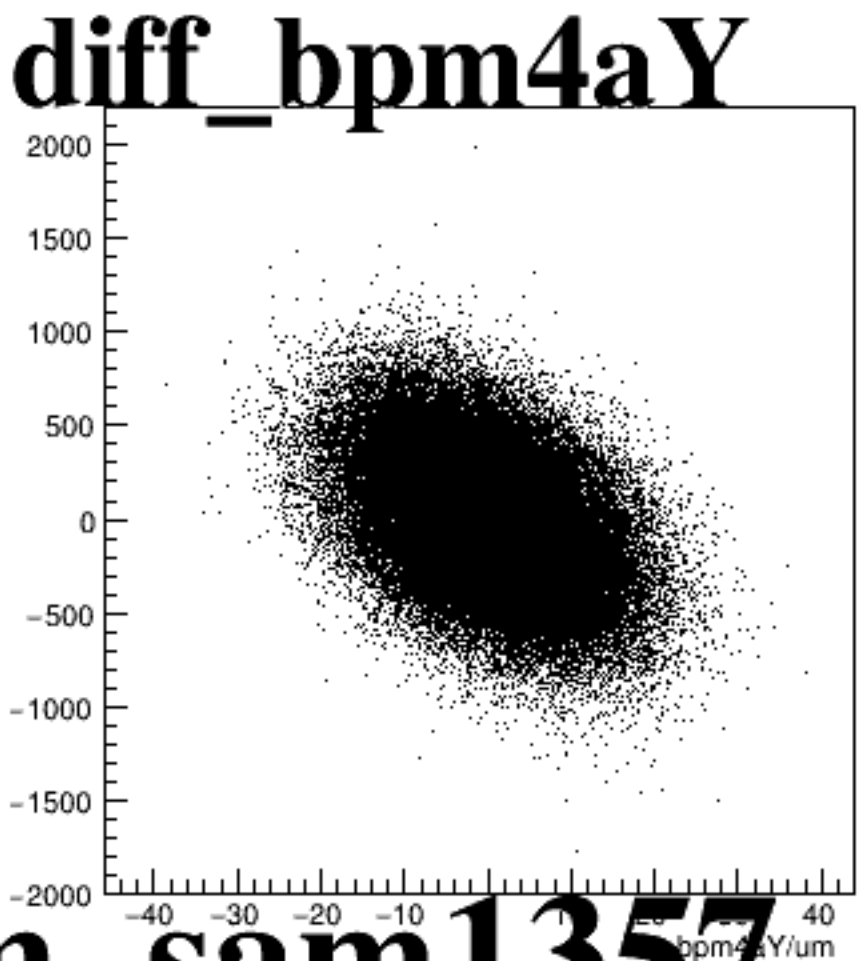
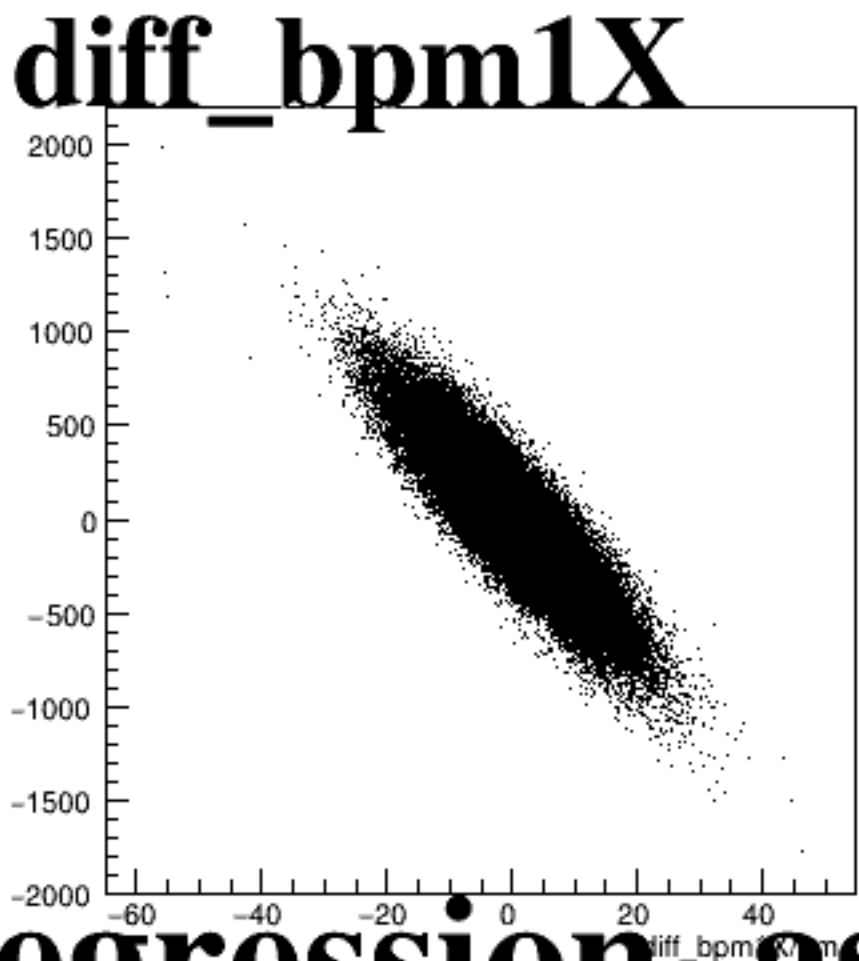
asym_sam3



asym_sam5



asym_sam7



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

- diff_bpm1X**: The x-axis ranges from -60 to 40, and the y-axis ranges from -800 to 800.
- diff_bpm4aY**: The x-axis ranges from -40 to 40, and the y-axis ranges from -800 to 800.
- diff_bpm4eX**: The x-axis ranges from -60 to 40, and the y-axis ranges from -800 to 800.
- diff_bpm4eY**: The x-axis ranges from -40 to 40, and the y-axis ranges from -800 to 800.
- diff_bpm12X**: The x-axis ranges from -300 to 300, and the y-axis ranges from -800 to 800.

All plots show a dense, roughly circular cloud of points centered at (0,0), indicating a Gaussian-like distribution of the difference coordinates. The axes are labeled with the difference coordinate and a unit 'um'.