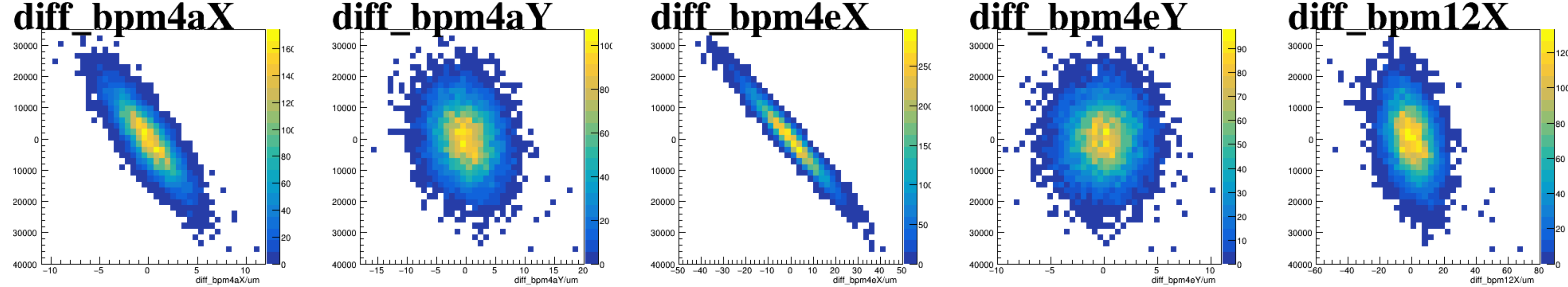
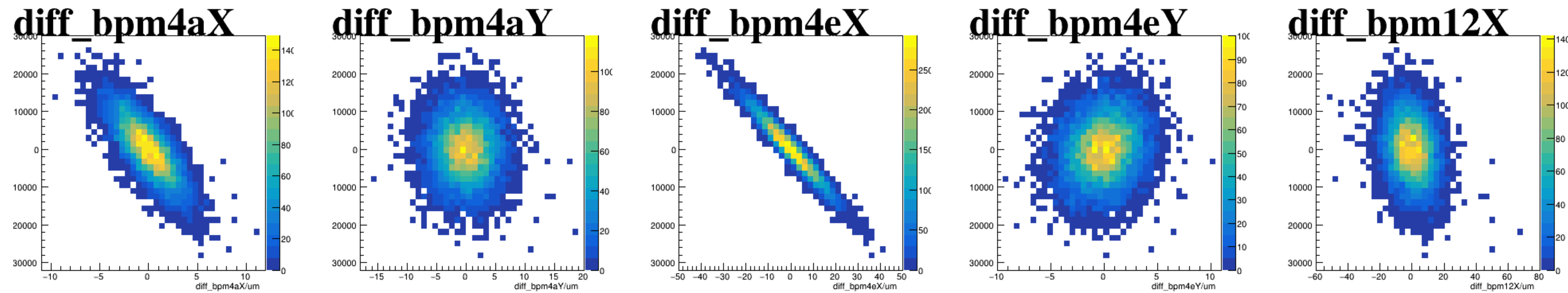


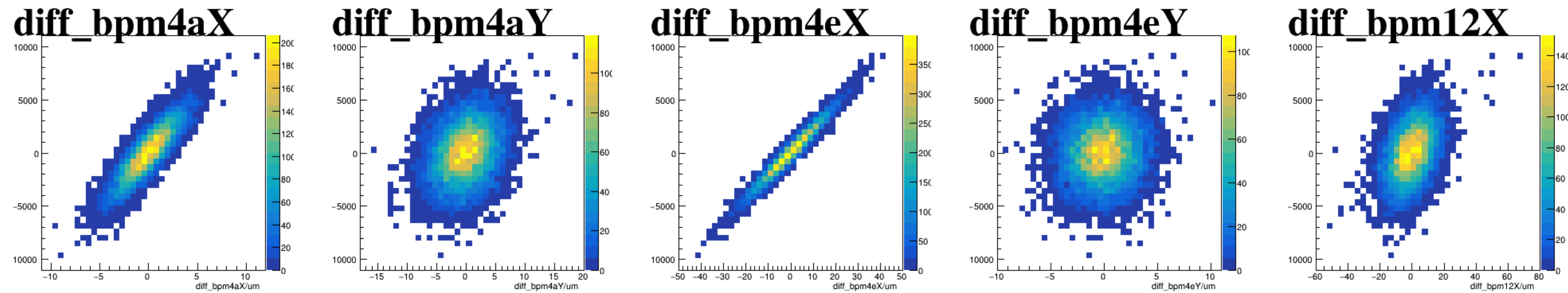
asym_sam2



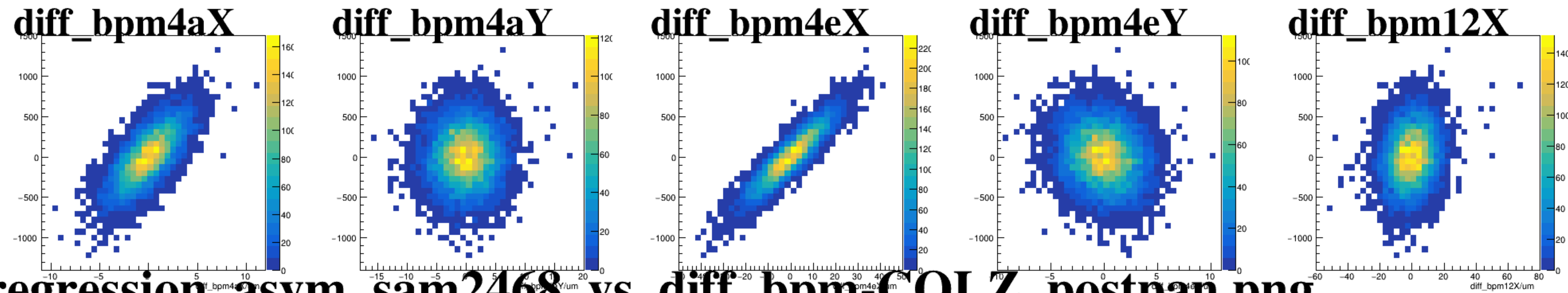
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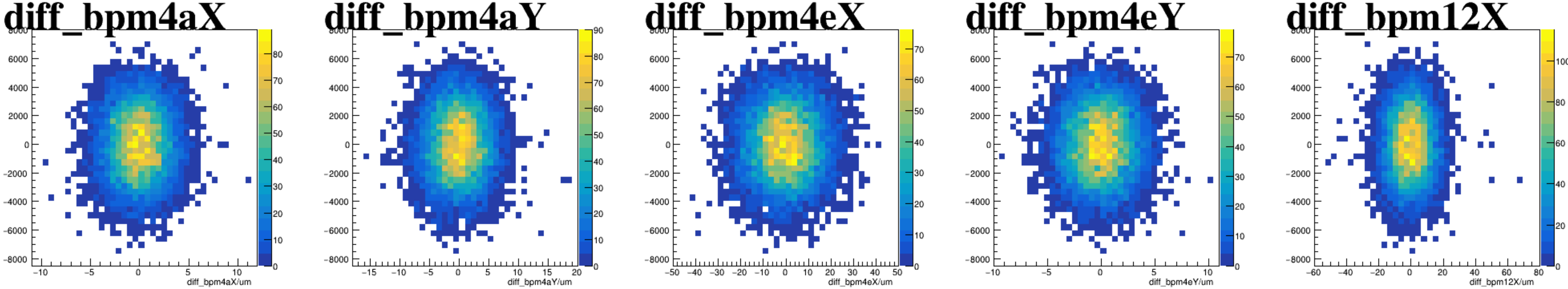
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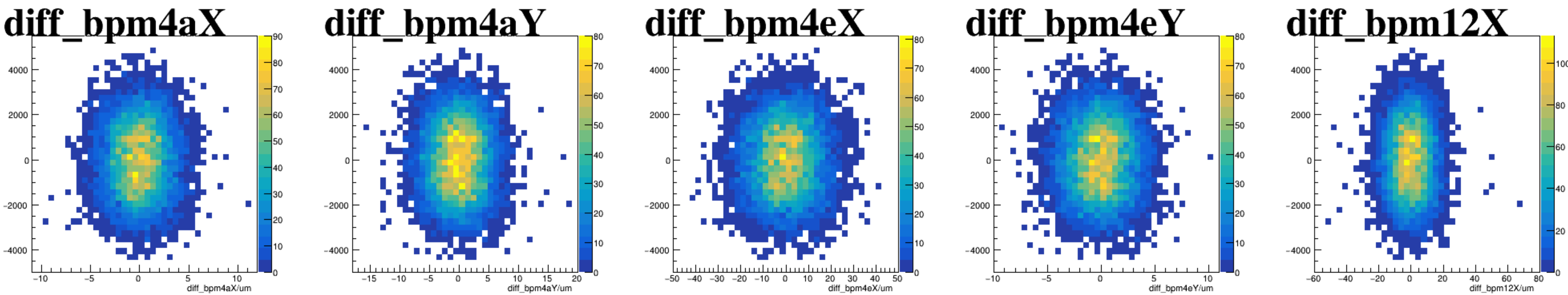
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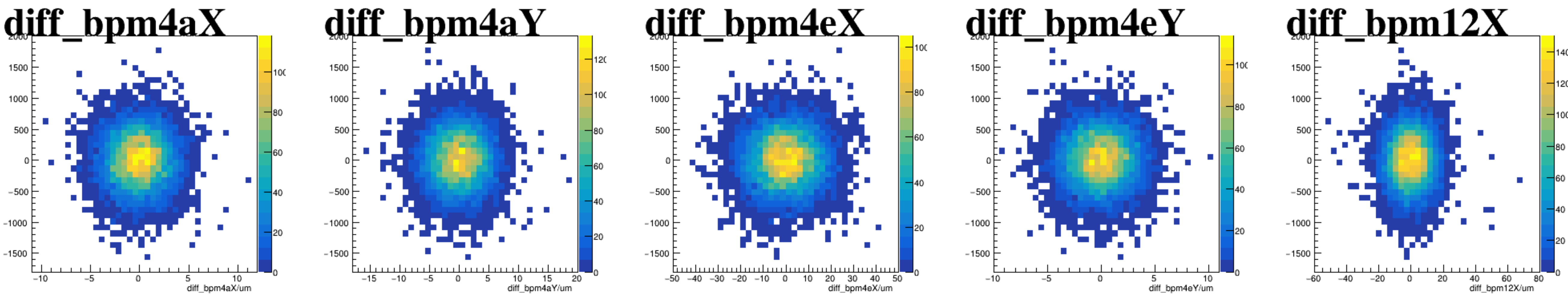
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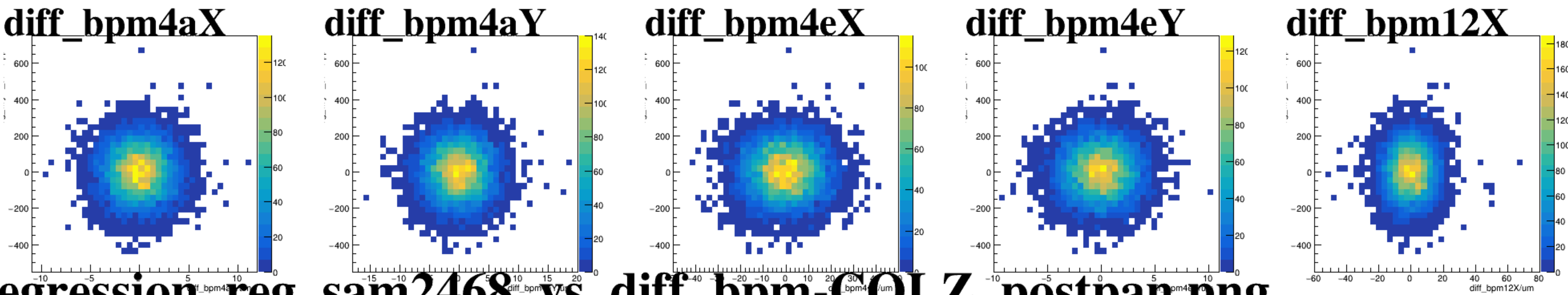
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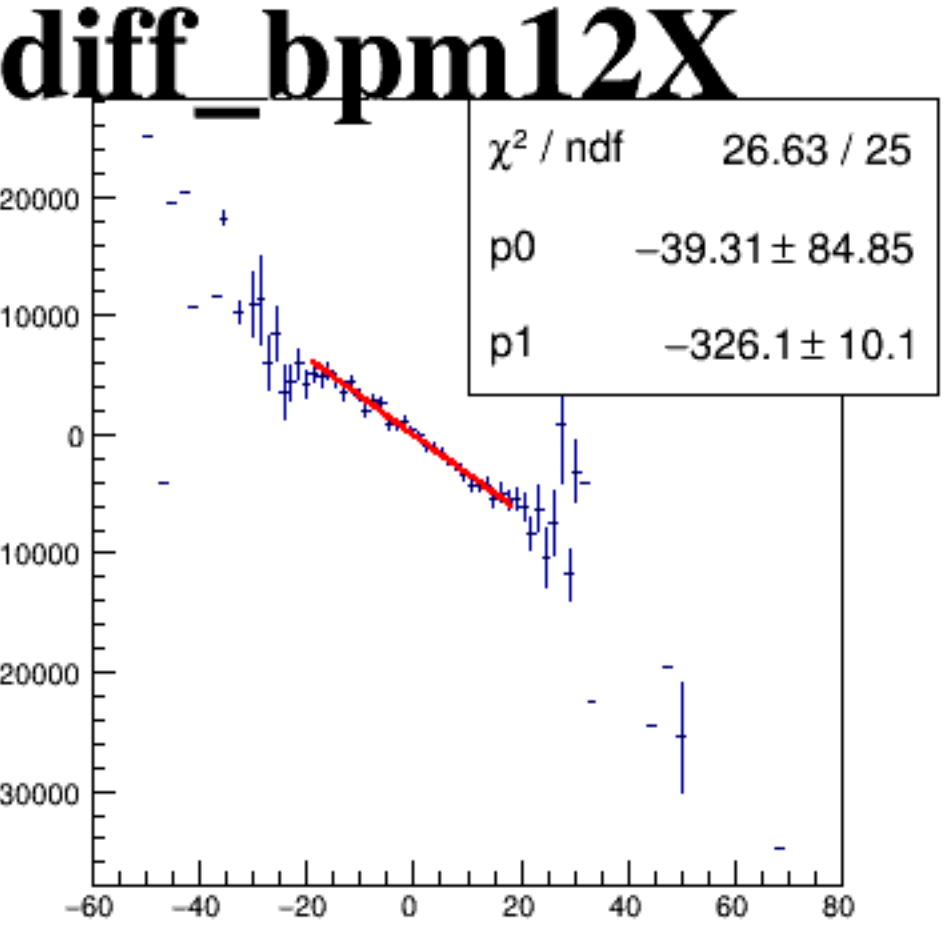
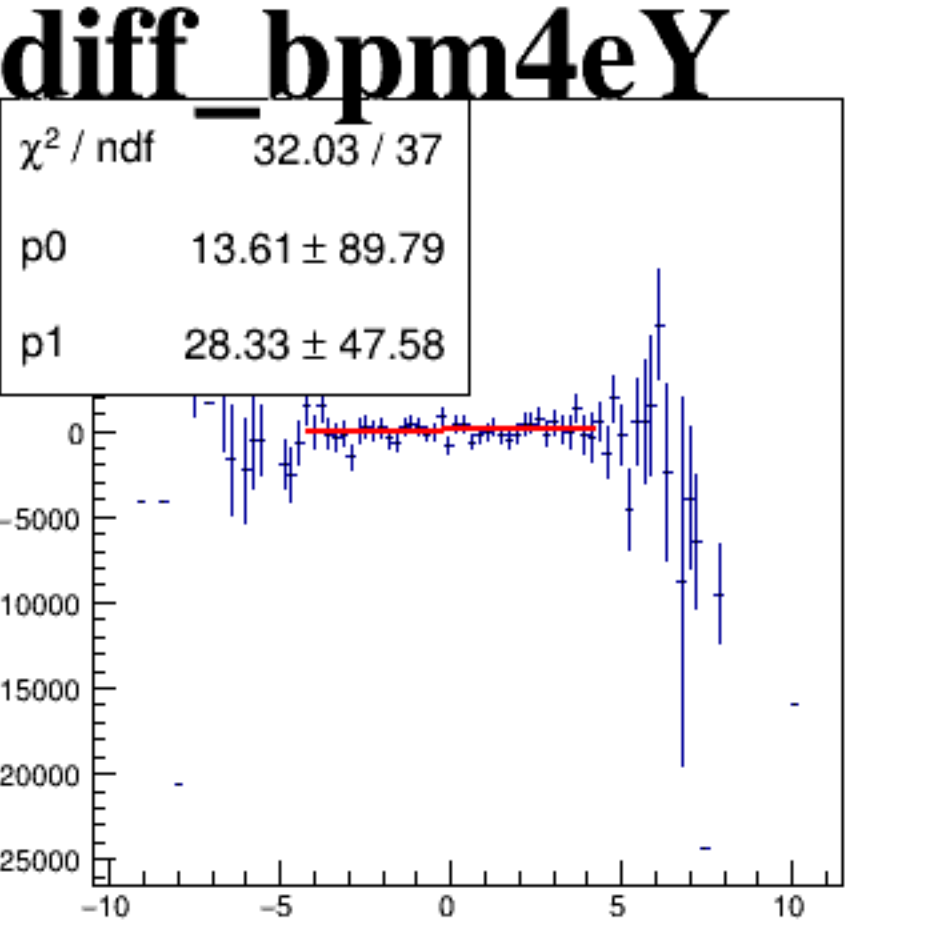
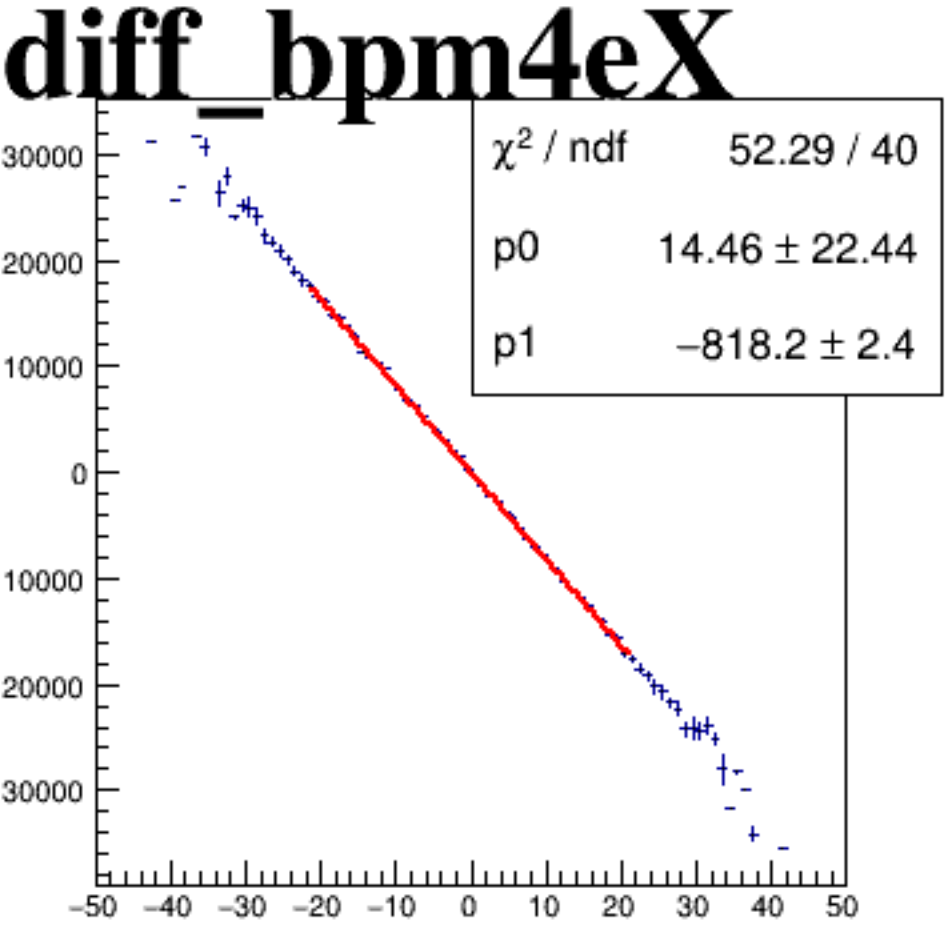
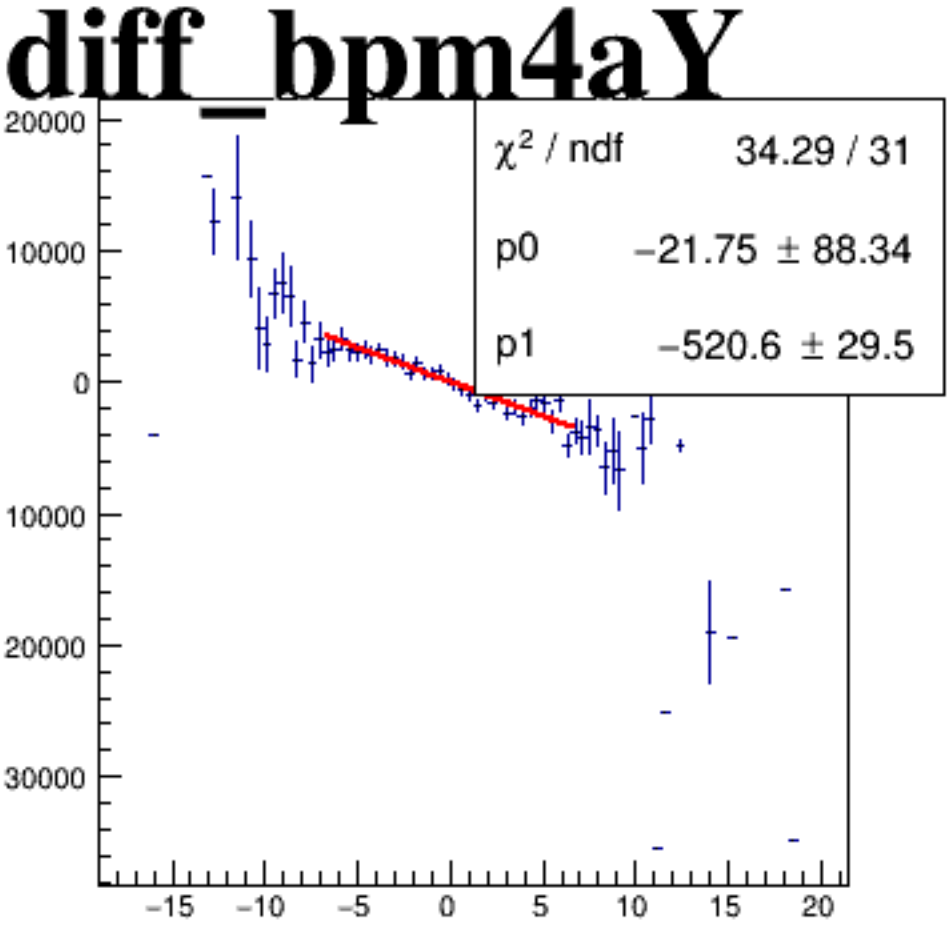
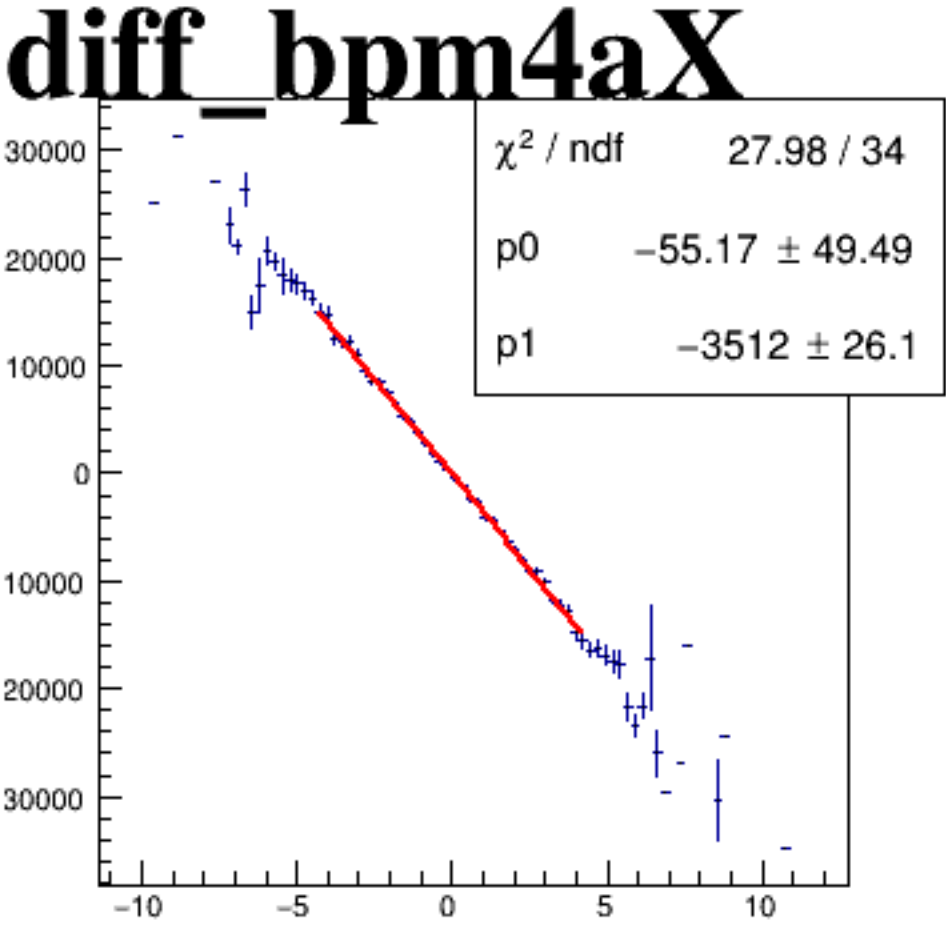
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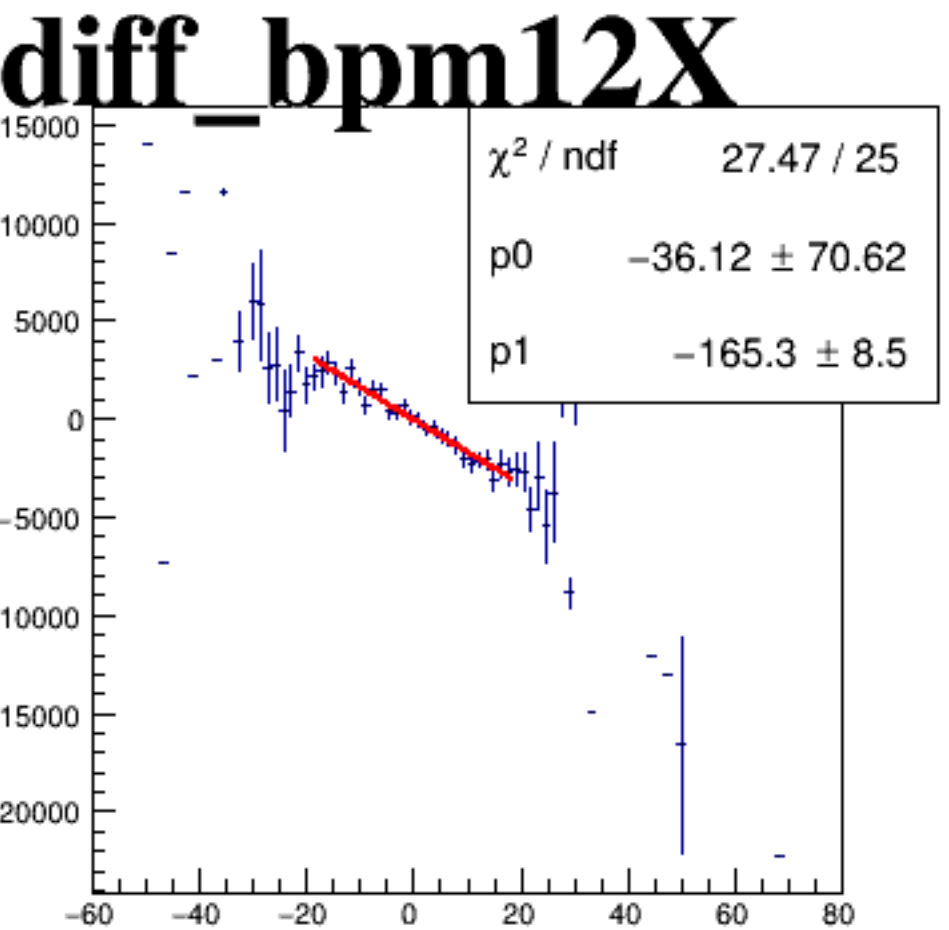
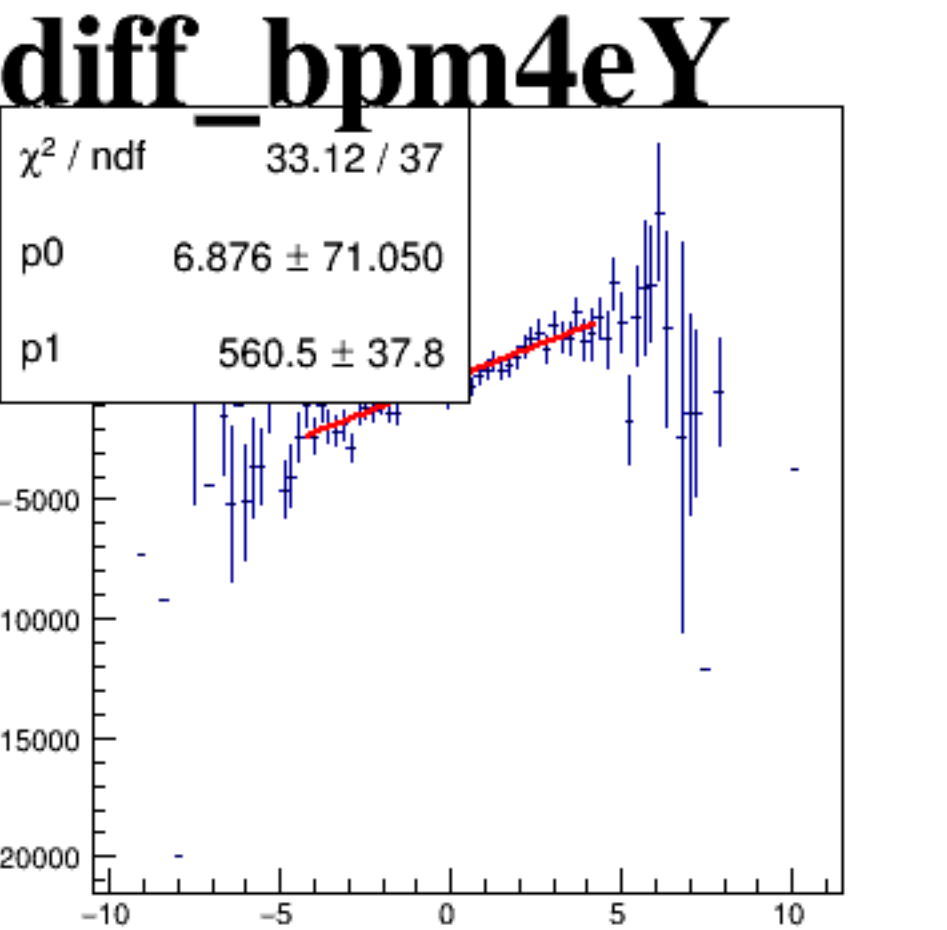
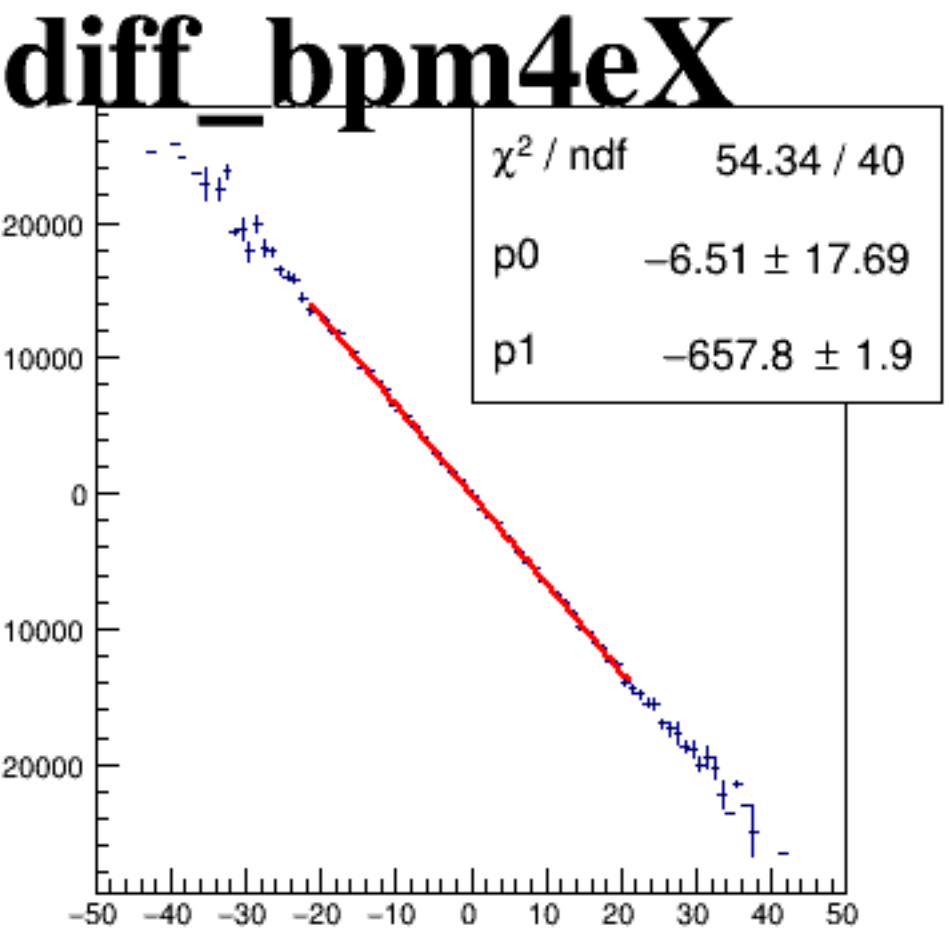
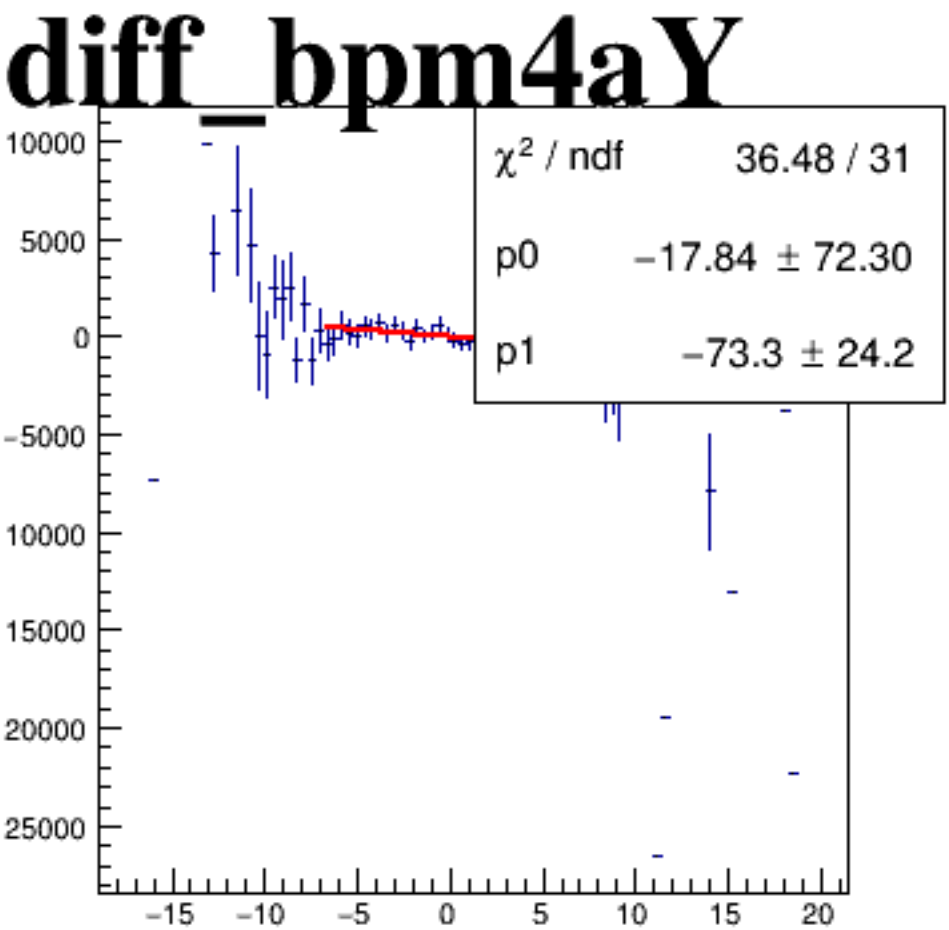
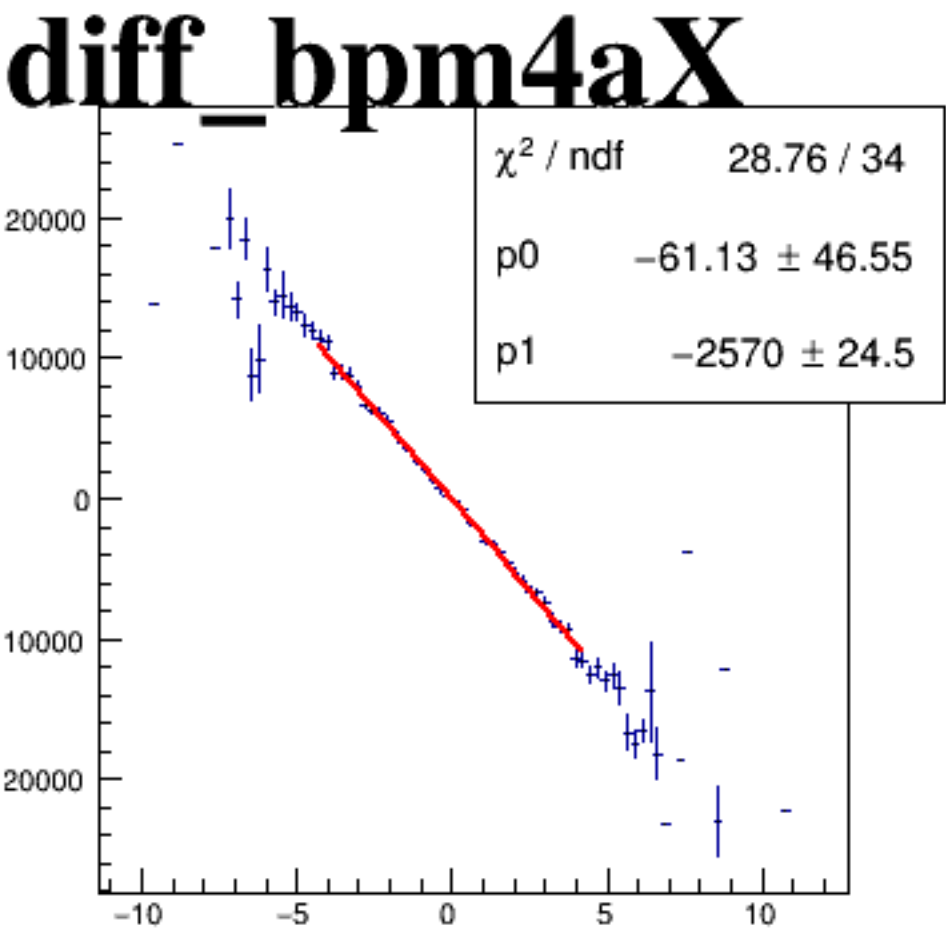
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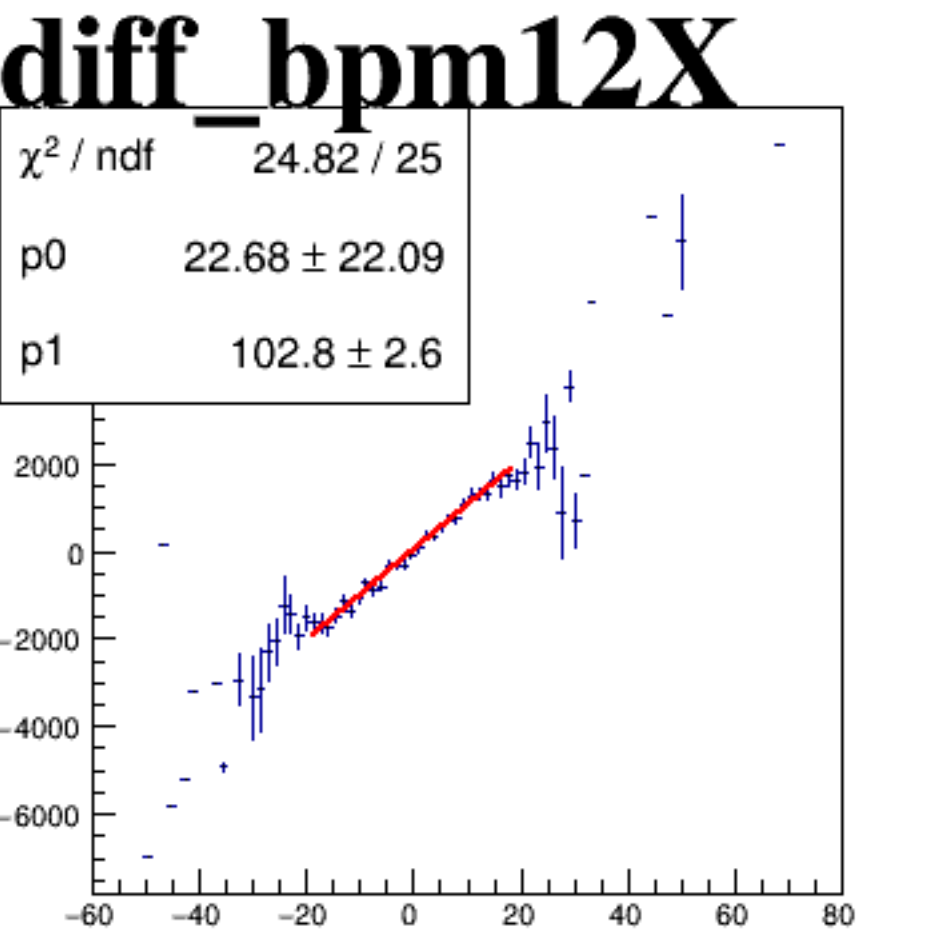
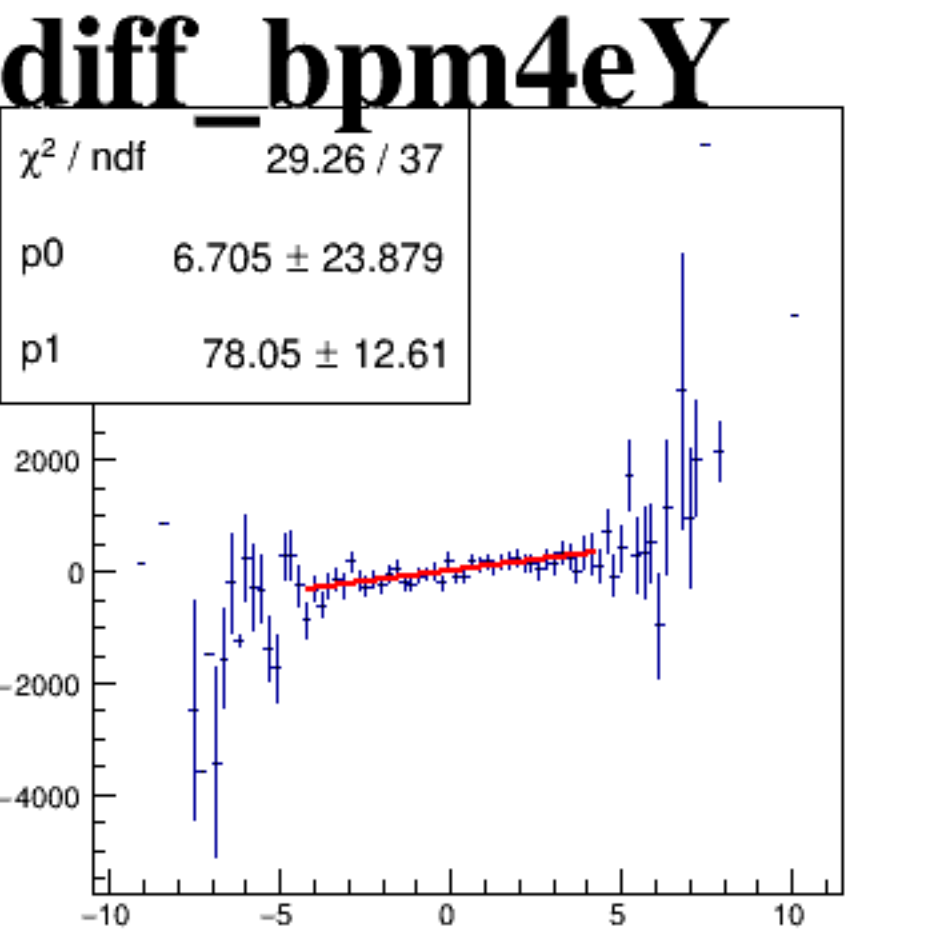
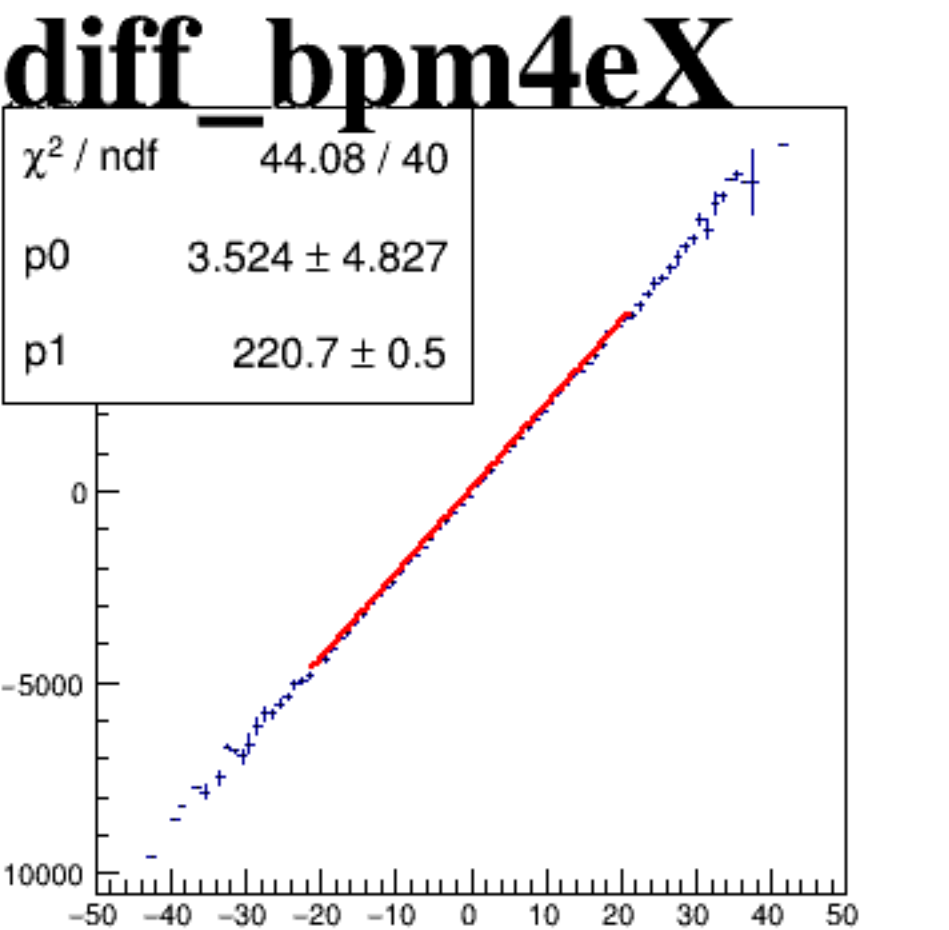
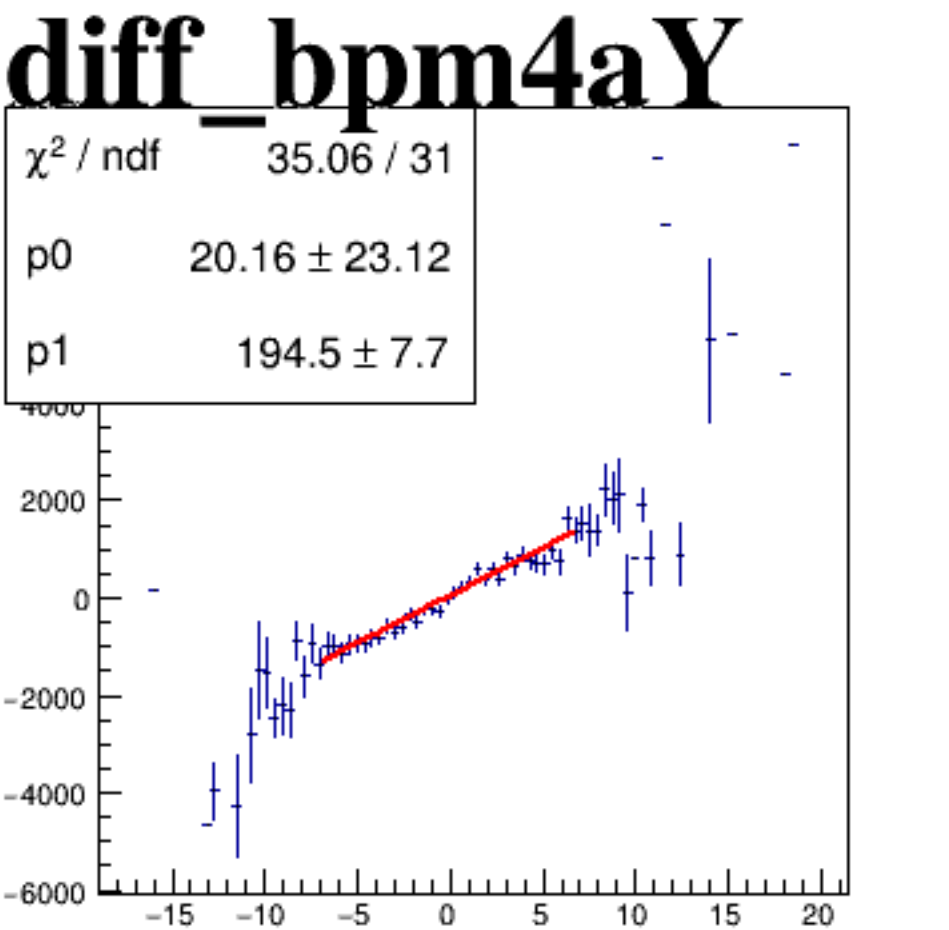
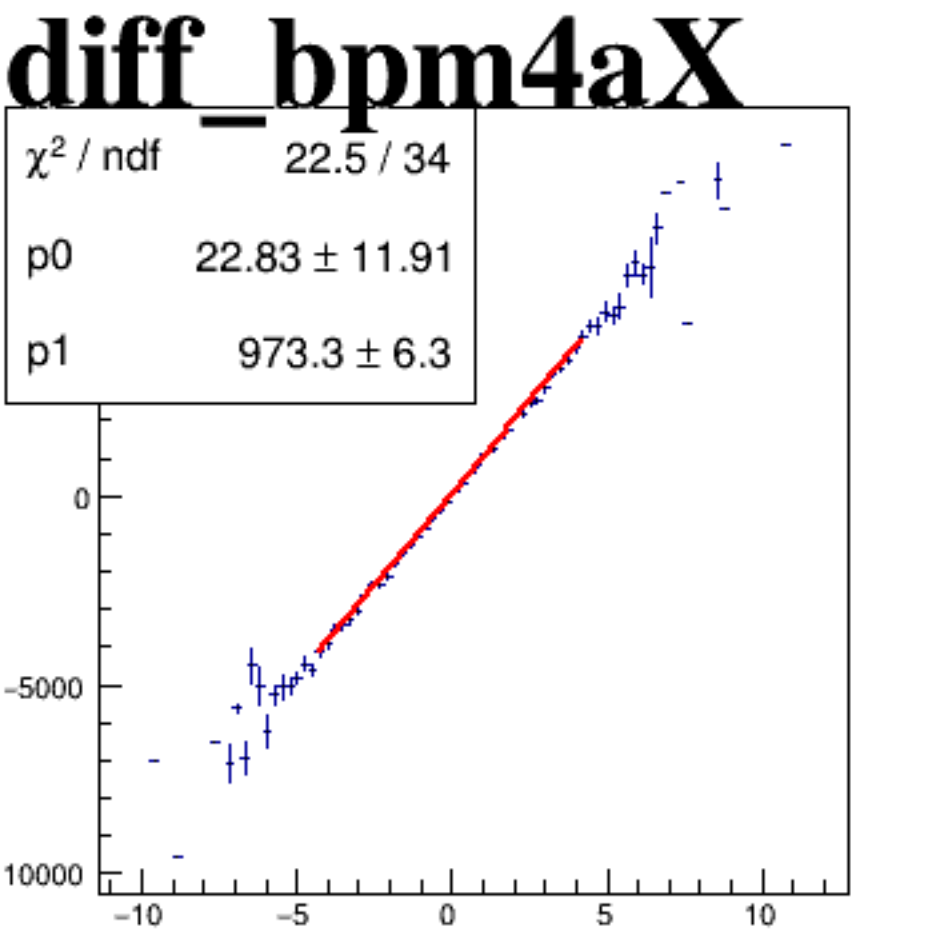
asym_sam2



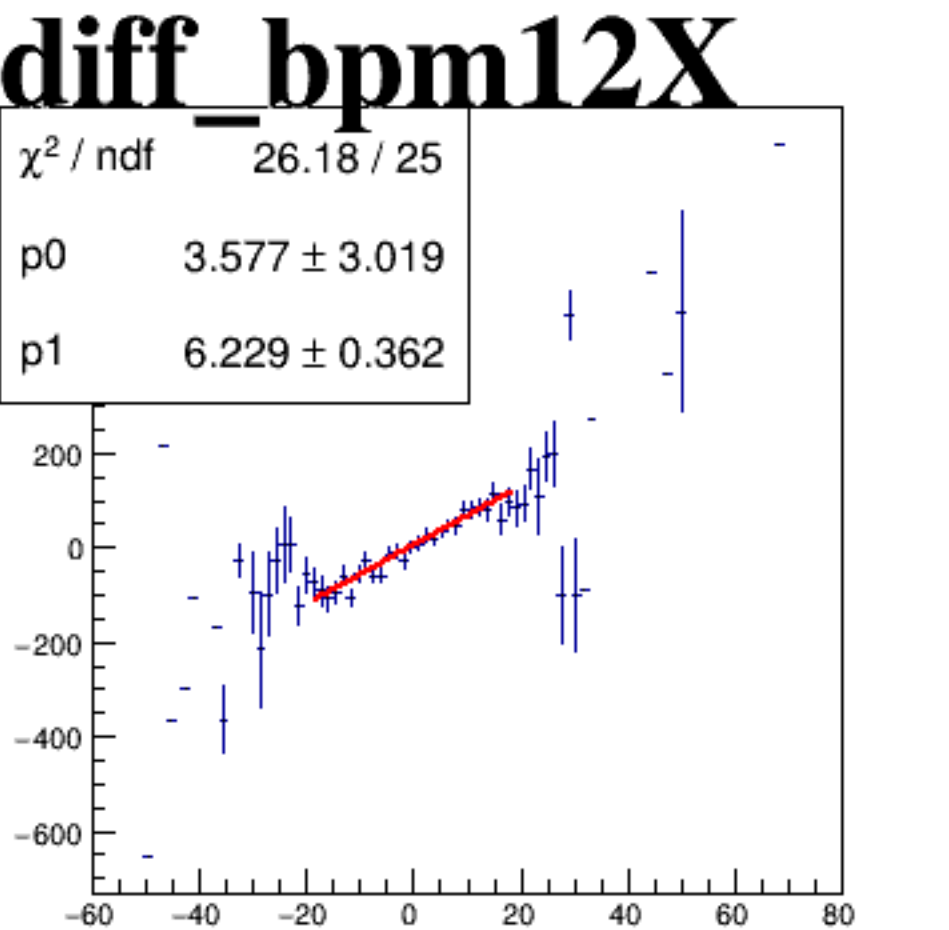
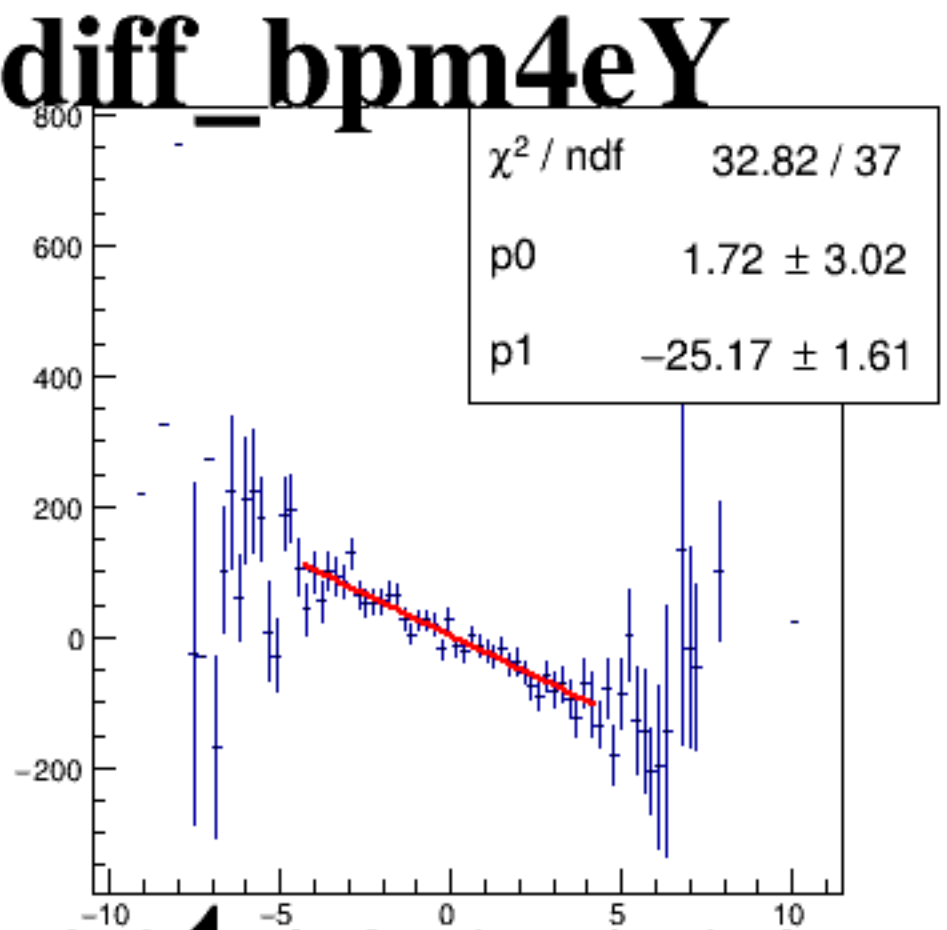
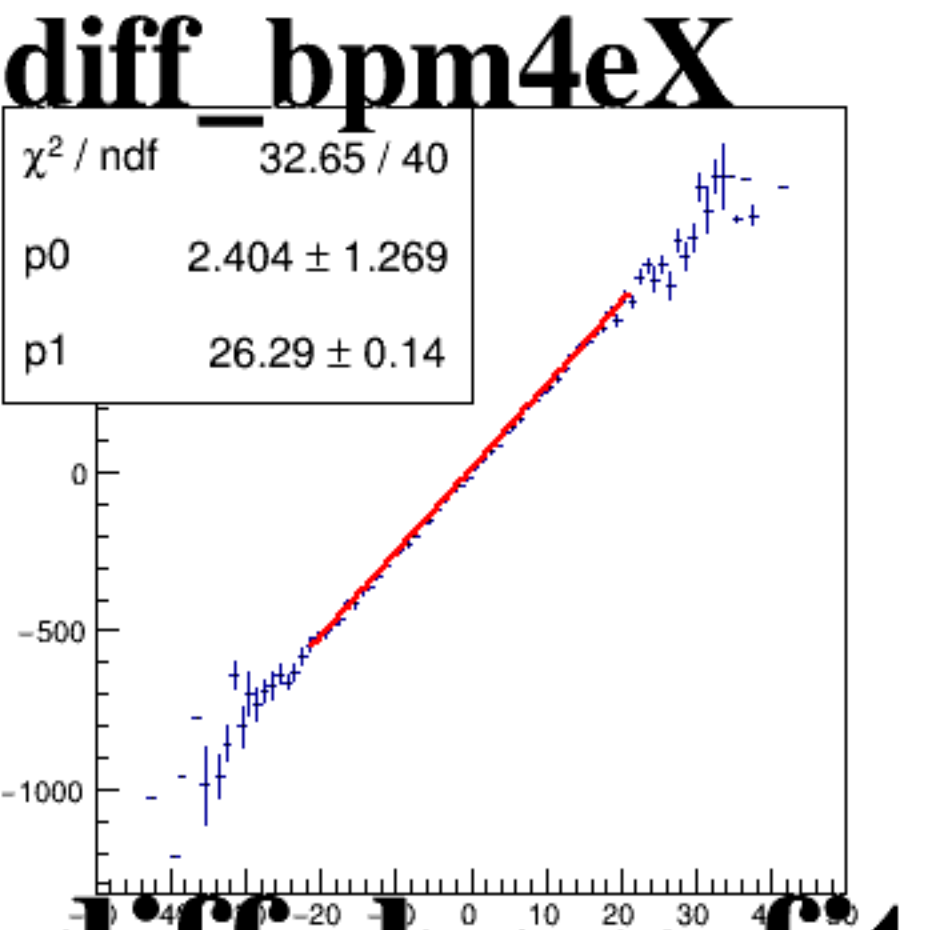
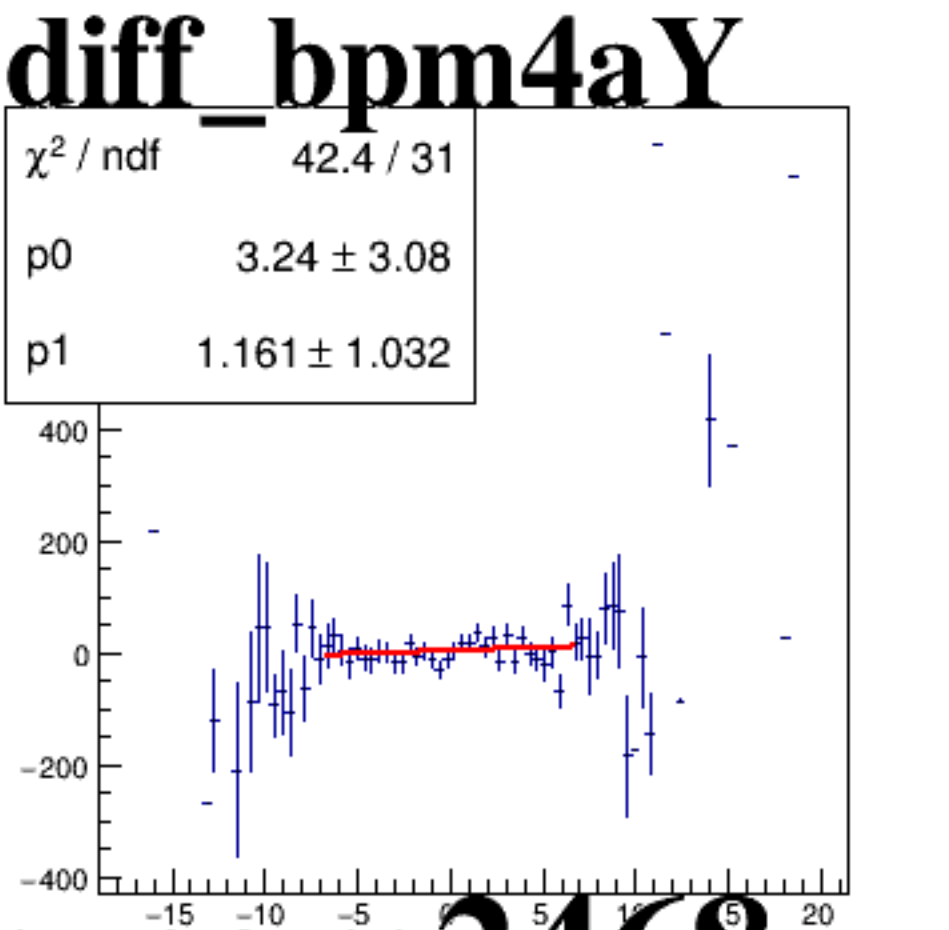
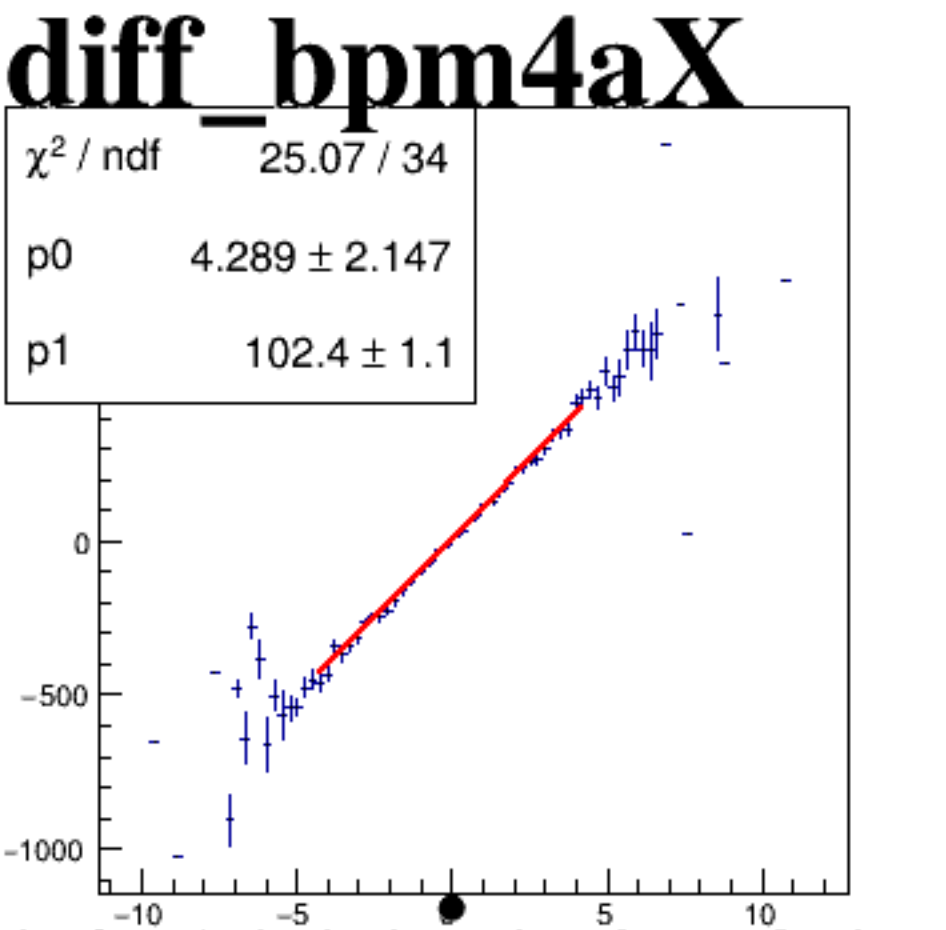
asym_sam4



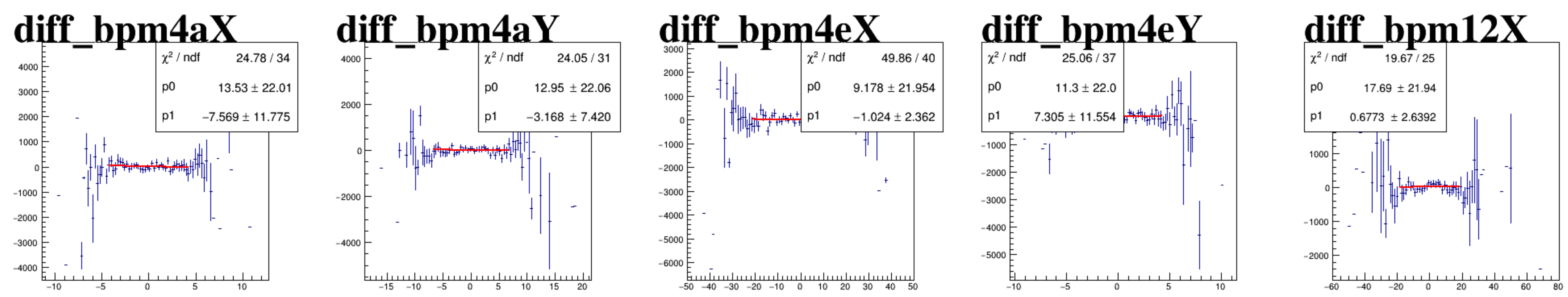
asym_sam6



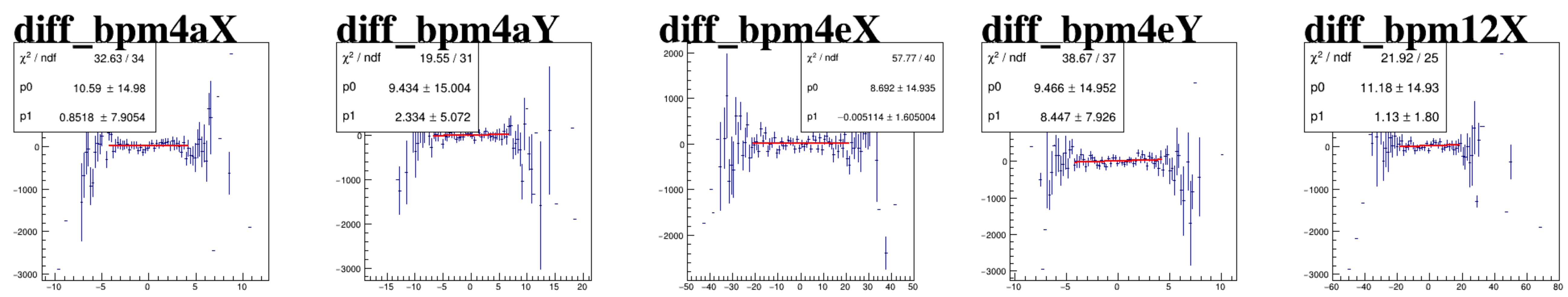
asym_sam8



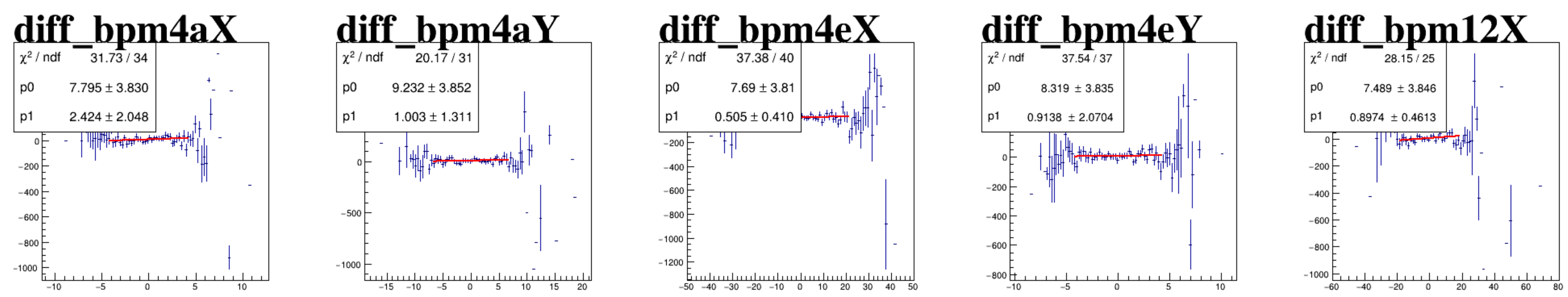
reg_asym_sam2



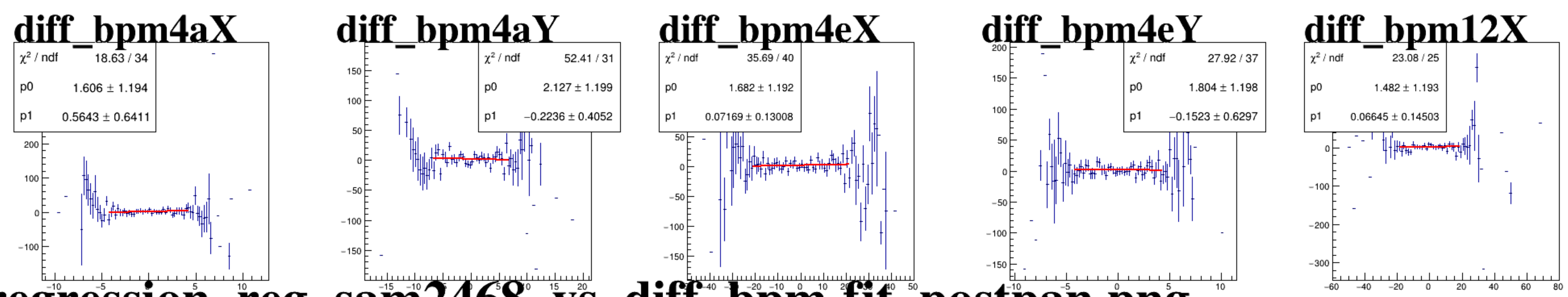
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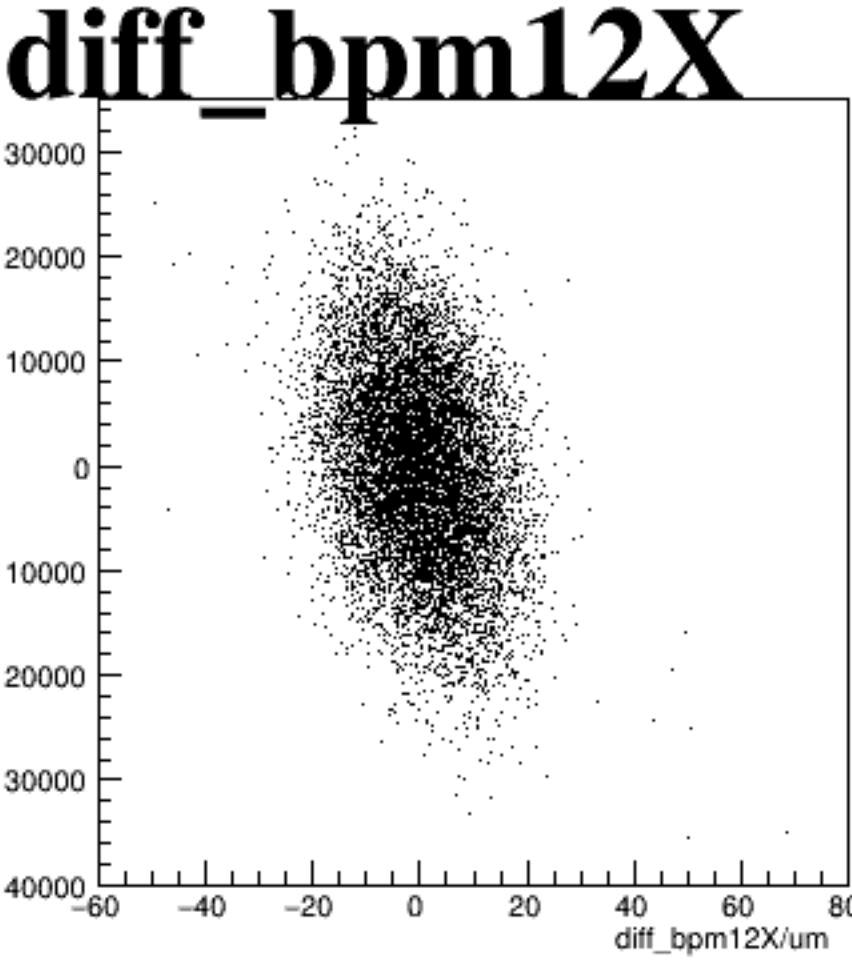
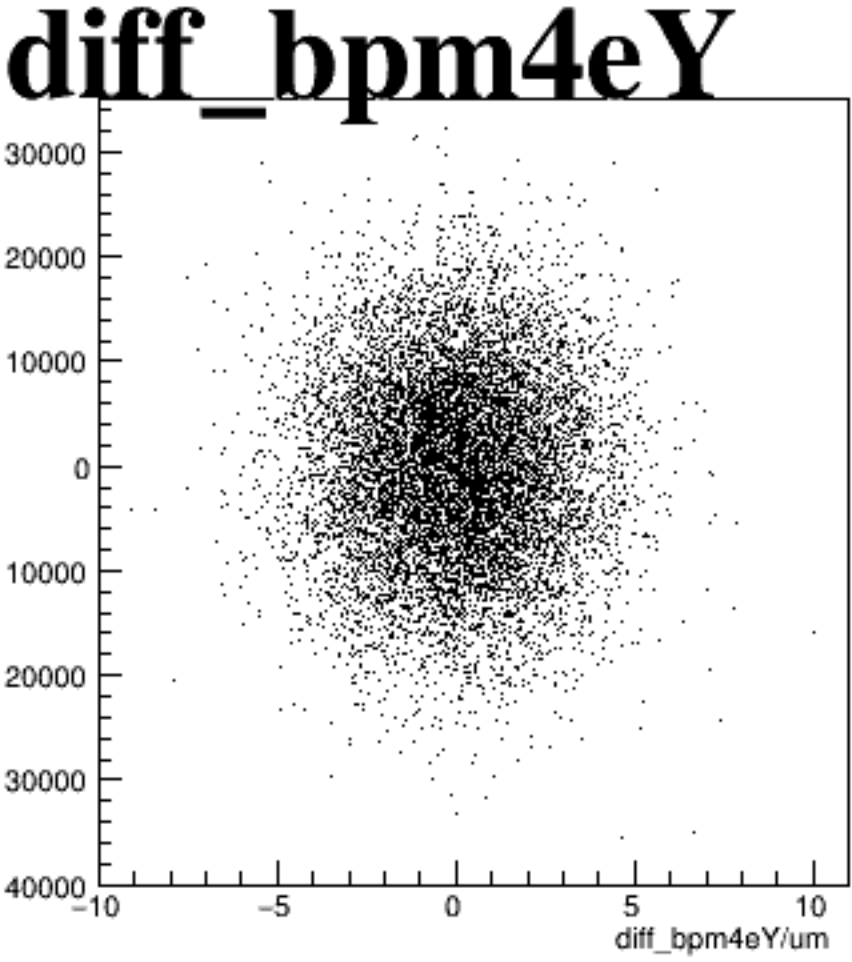
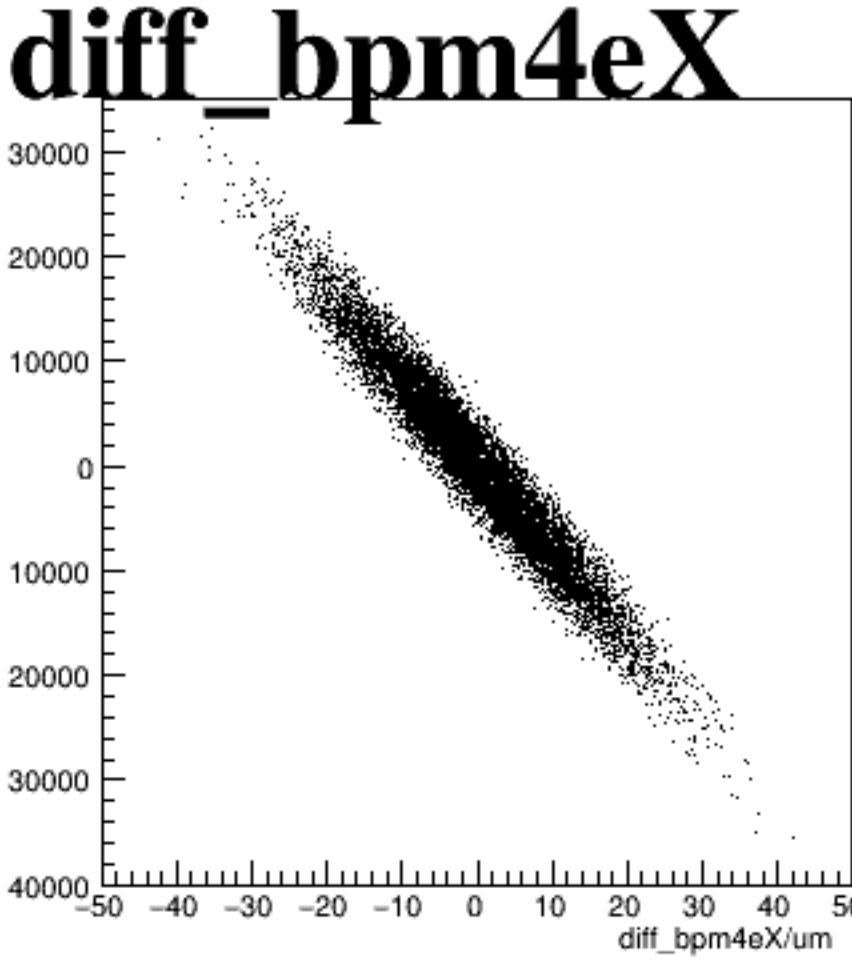
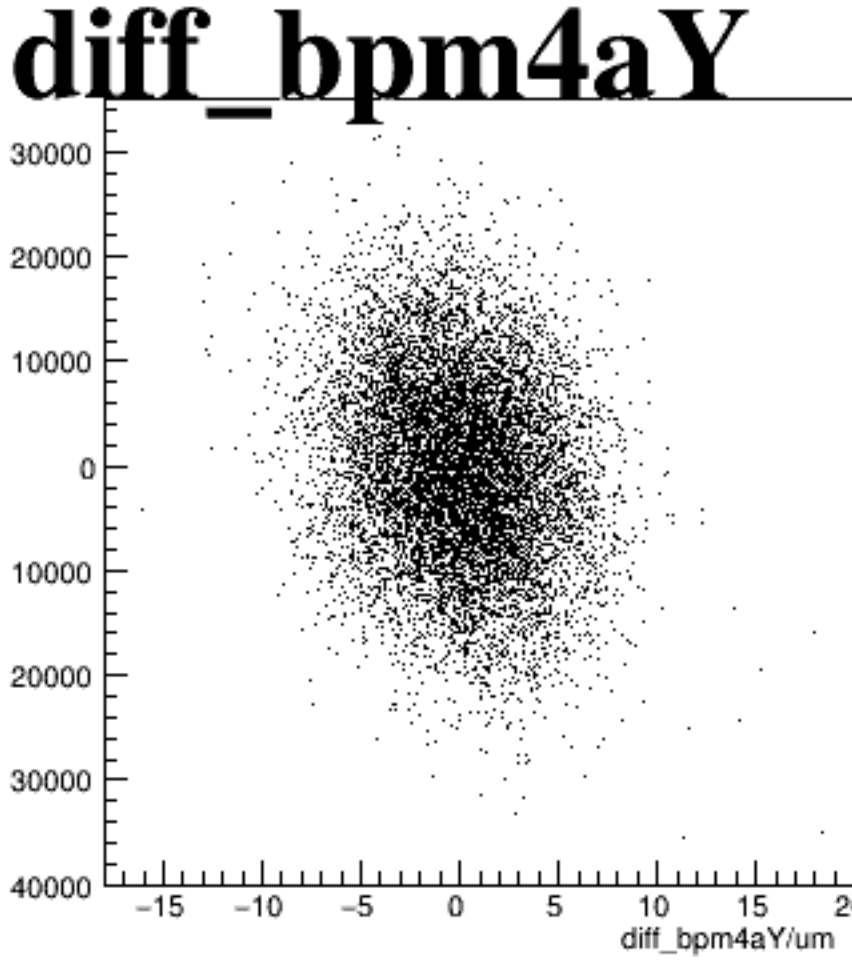
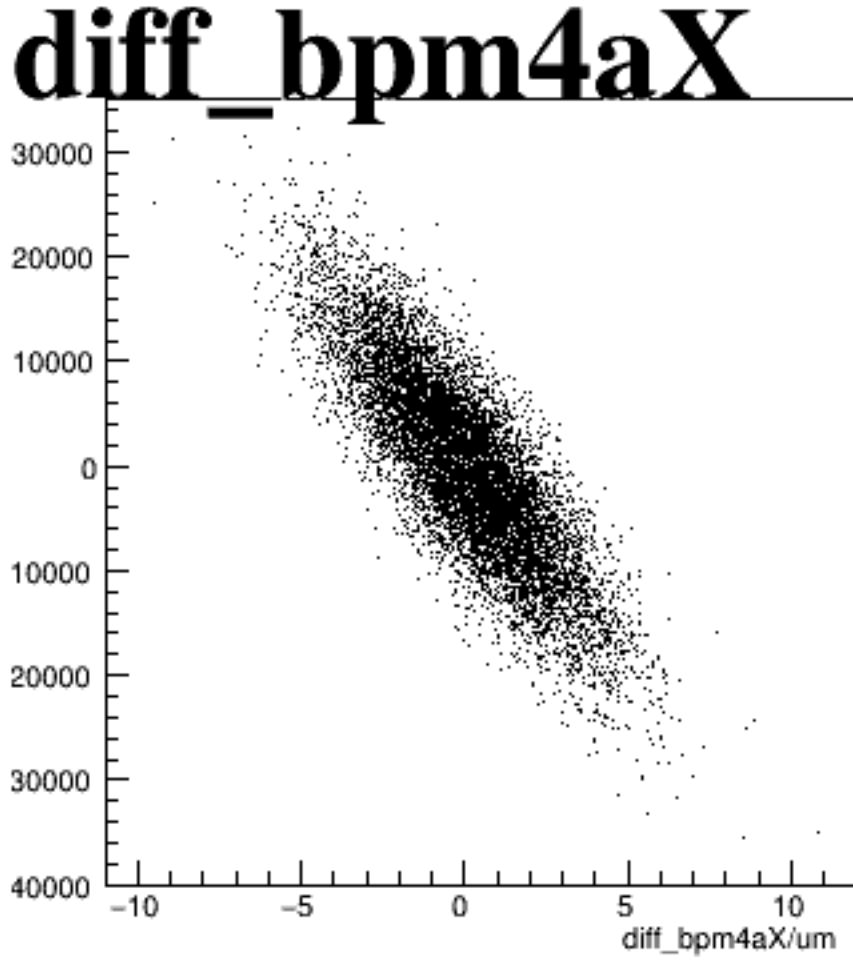
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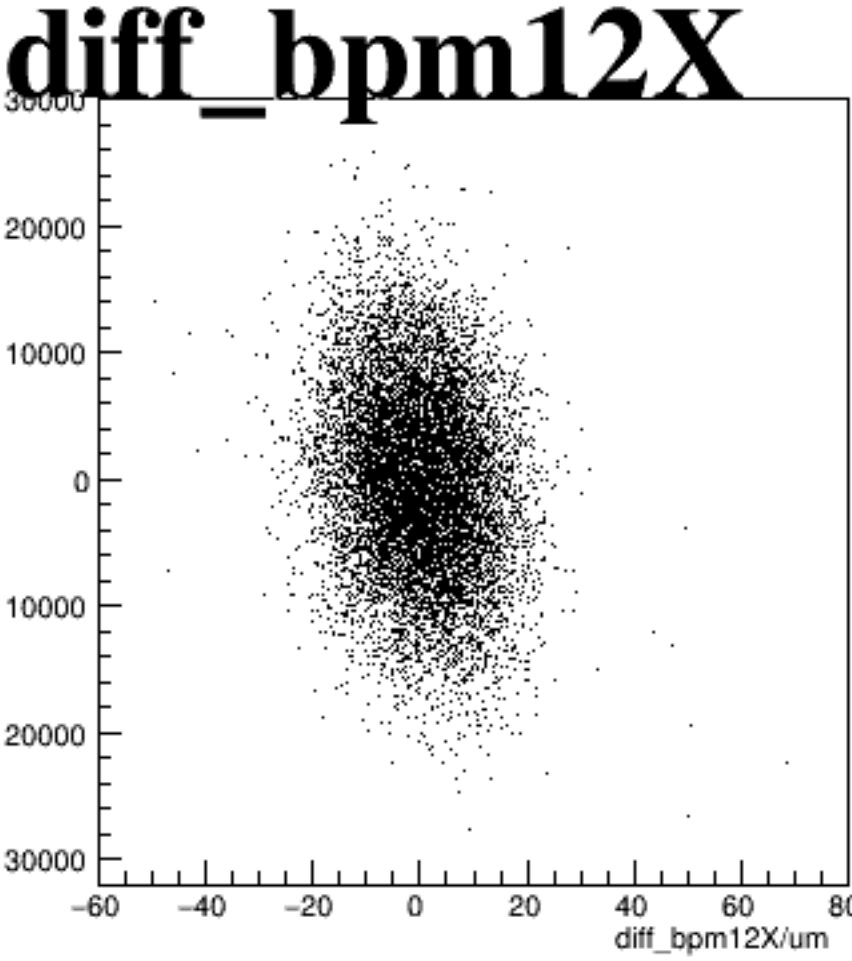
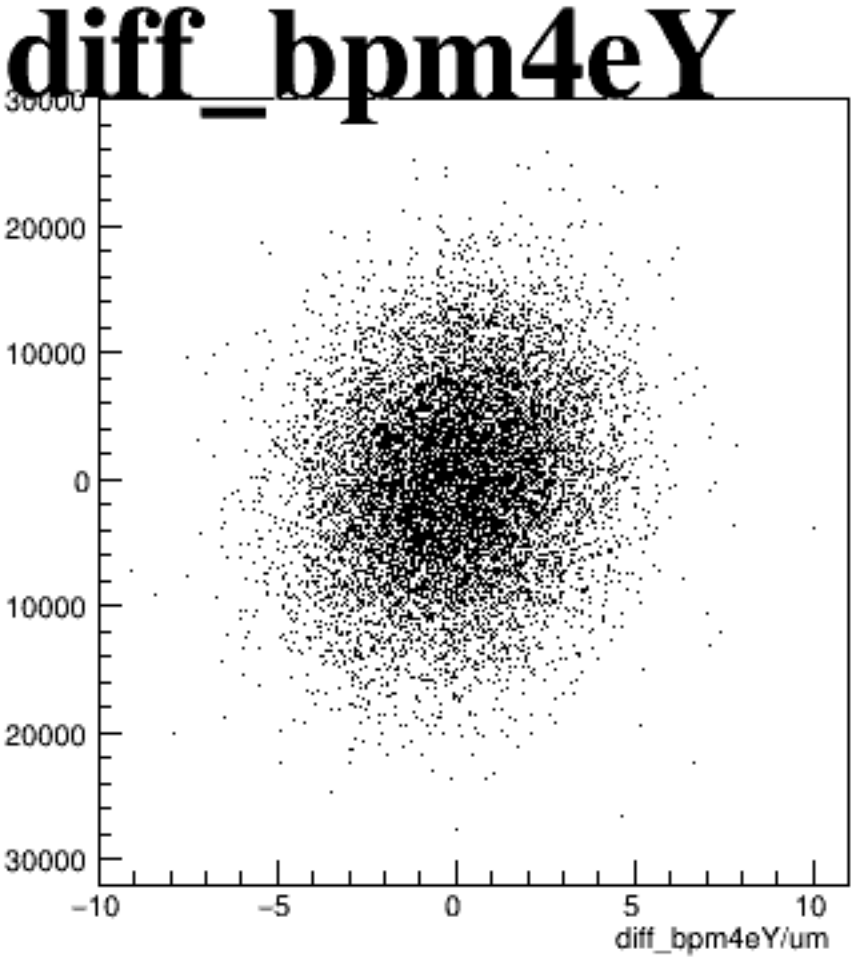
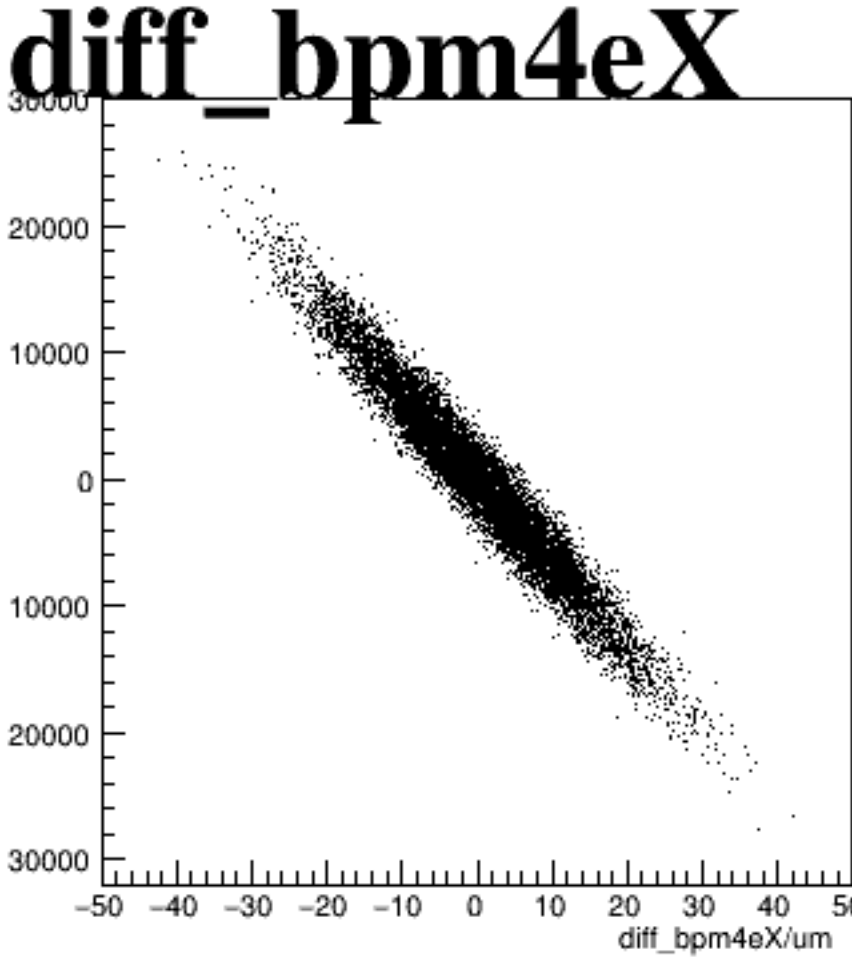
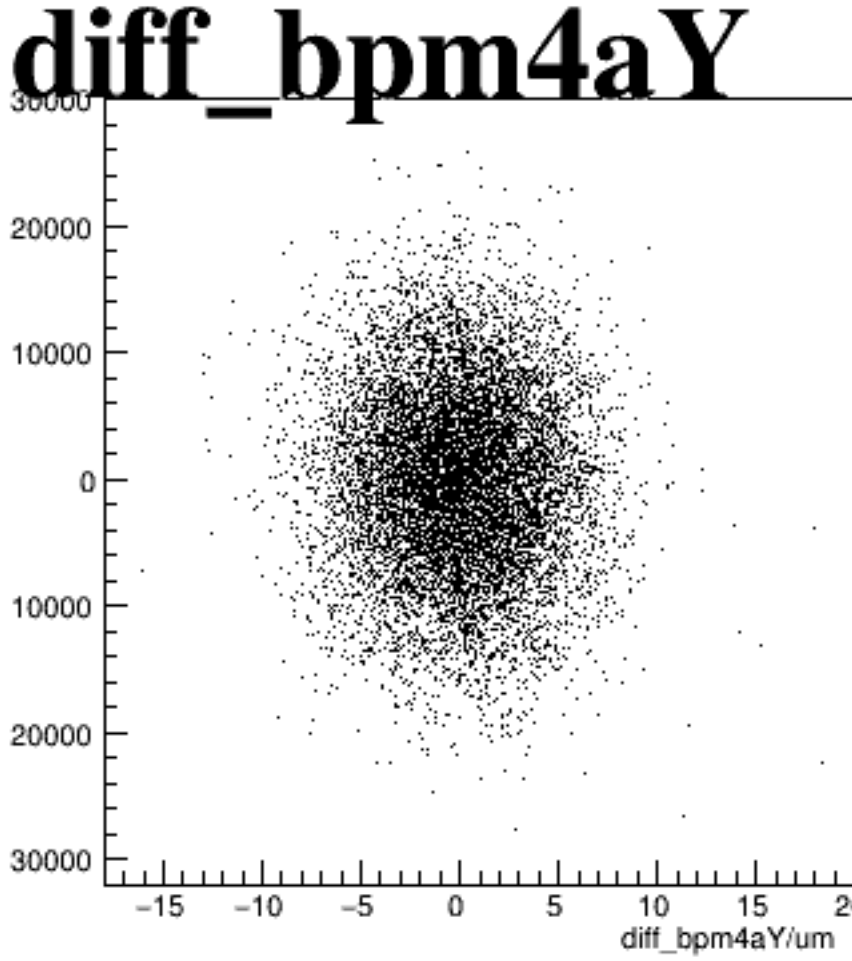
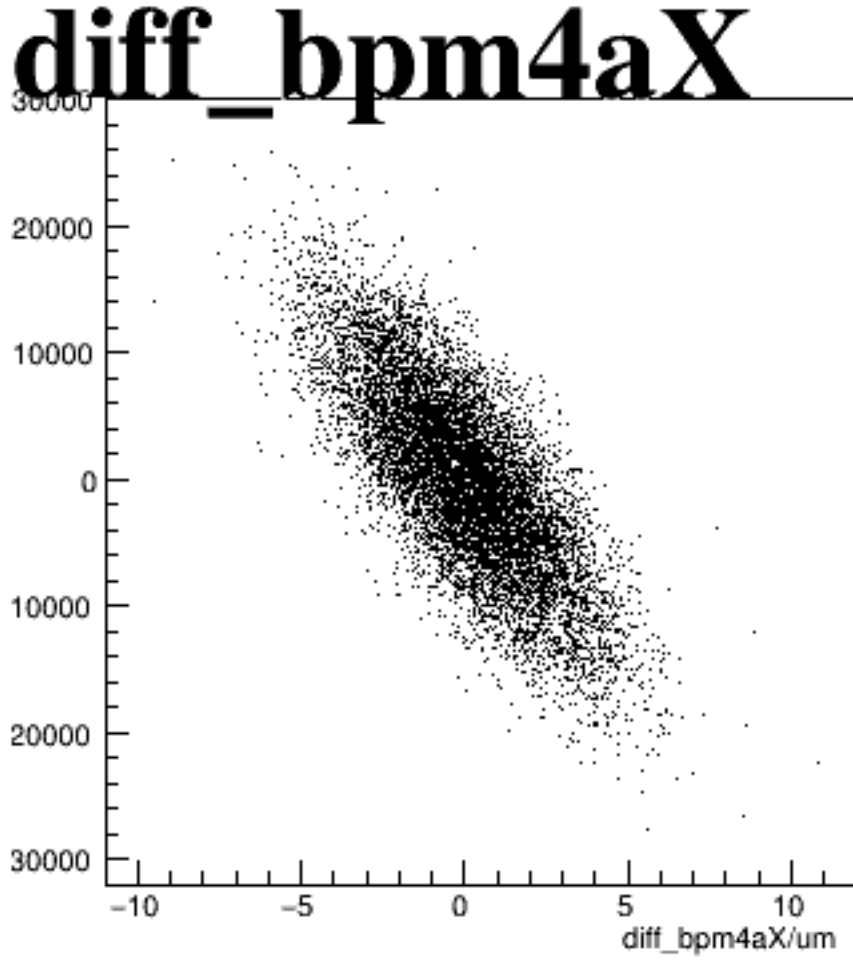
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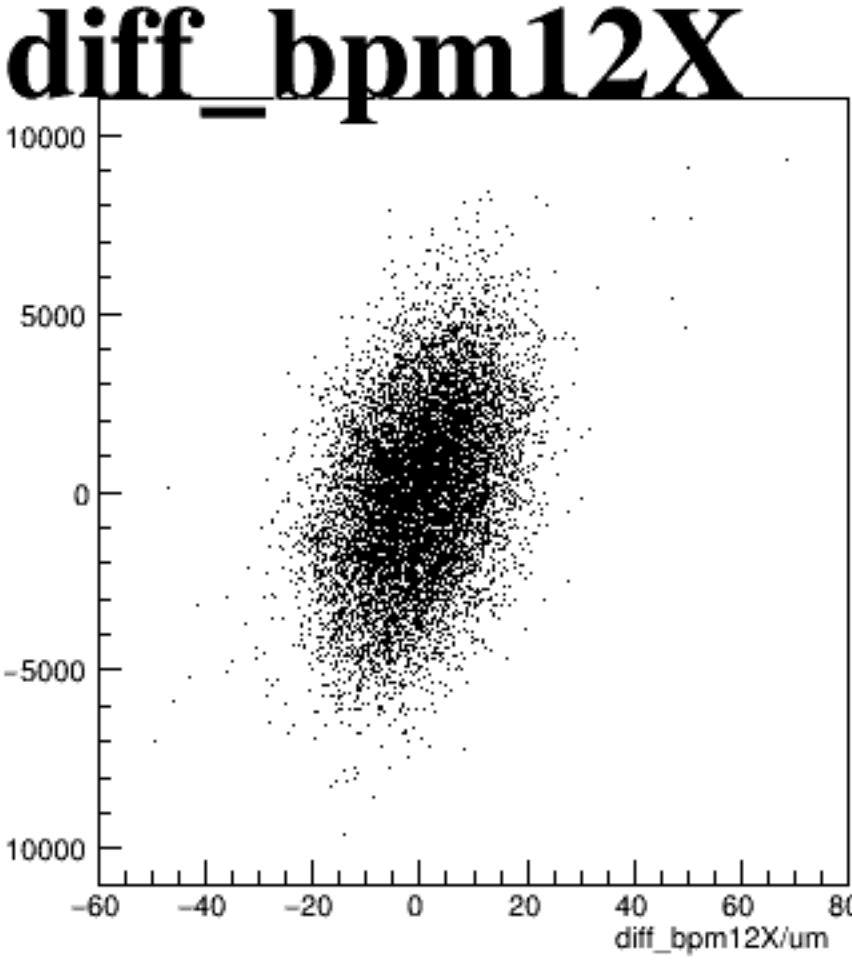
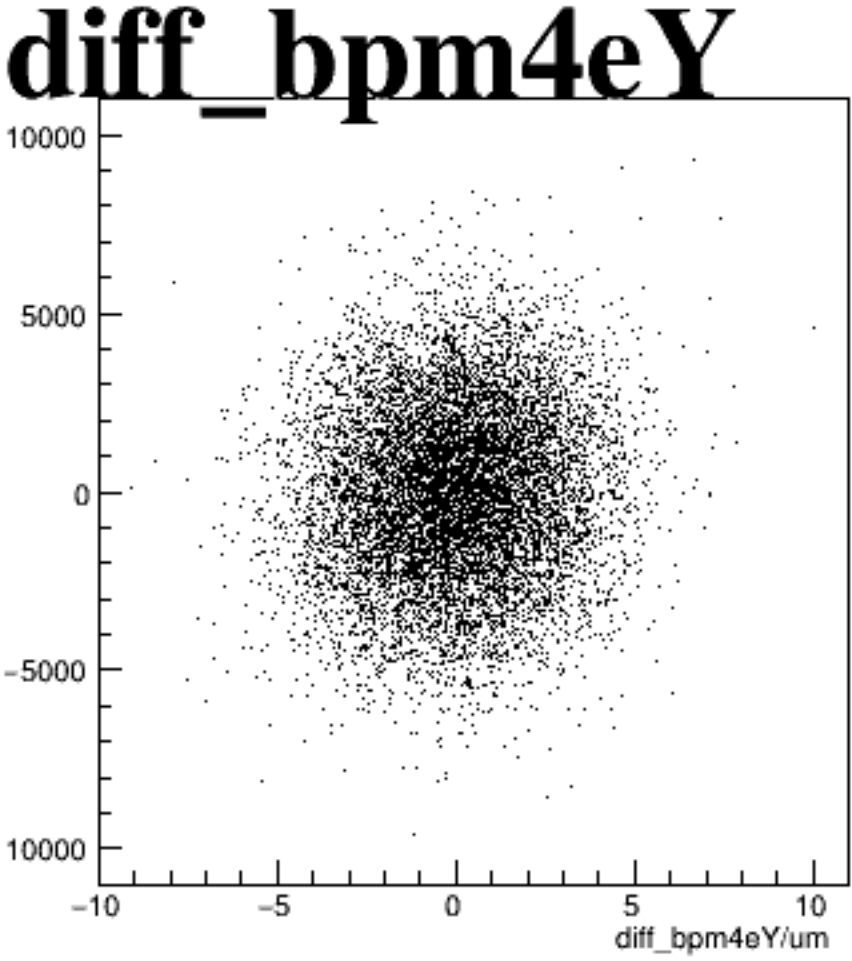
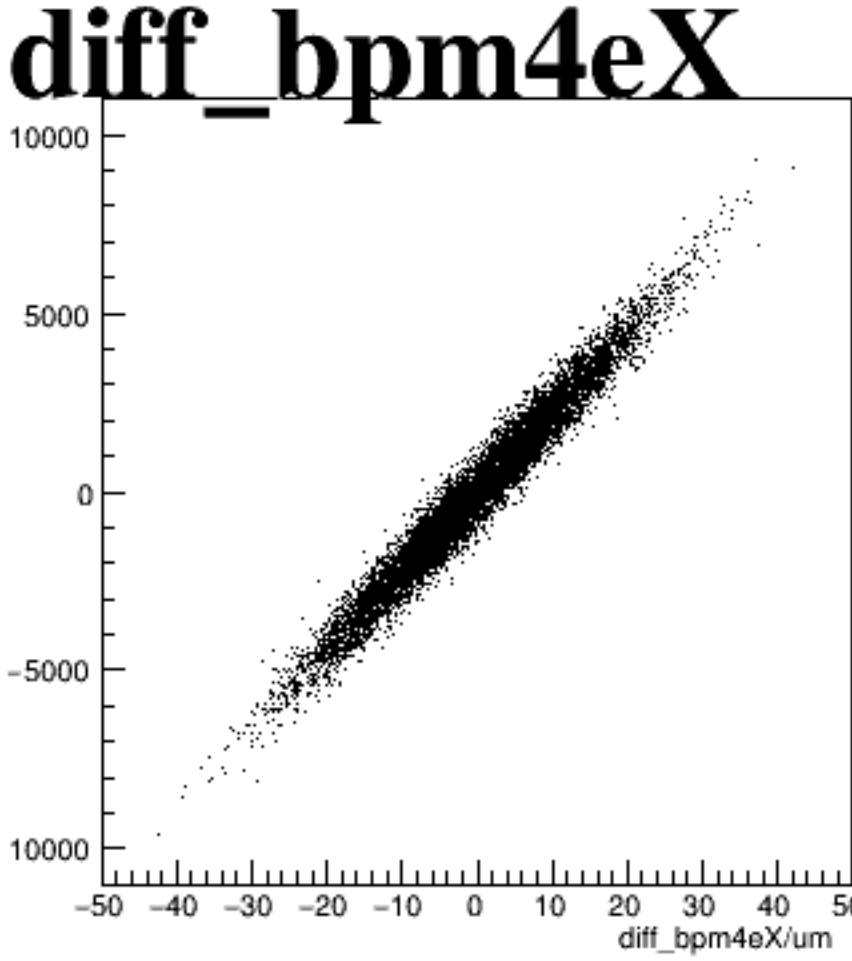
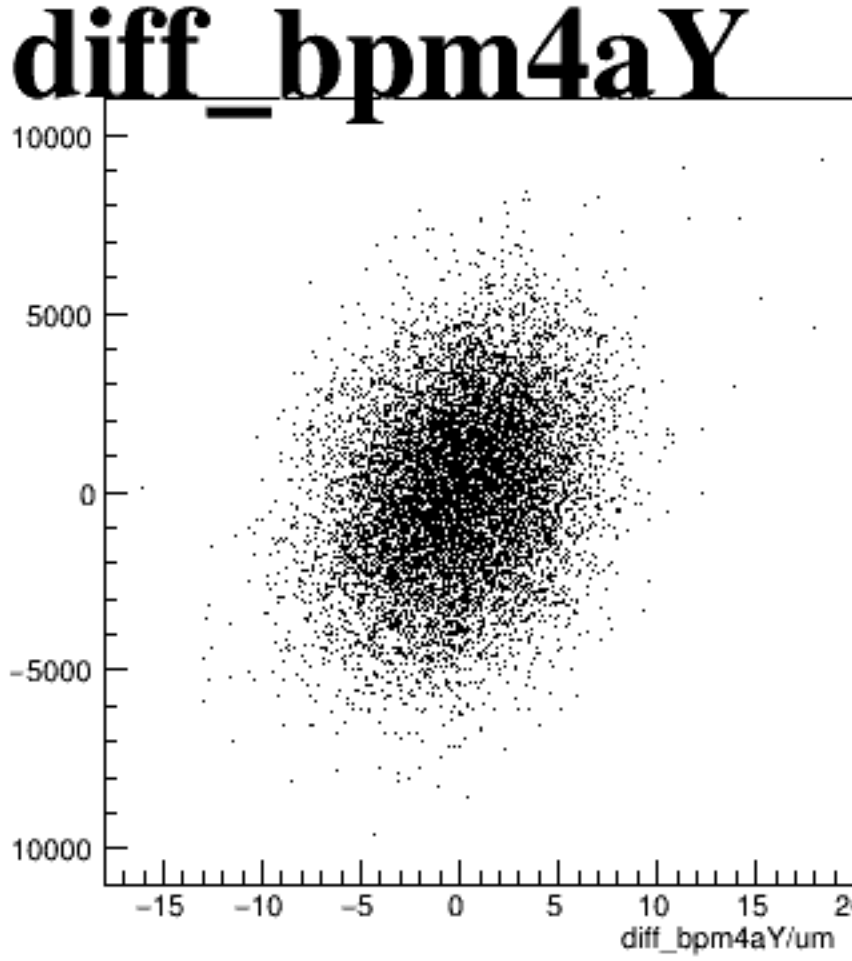
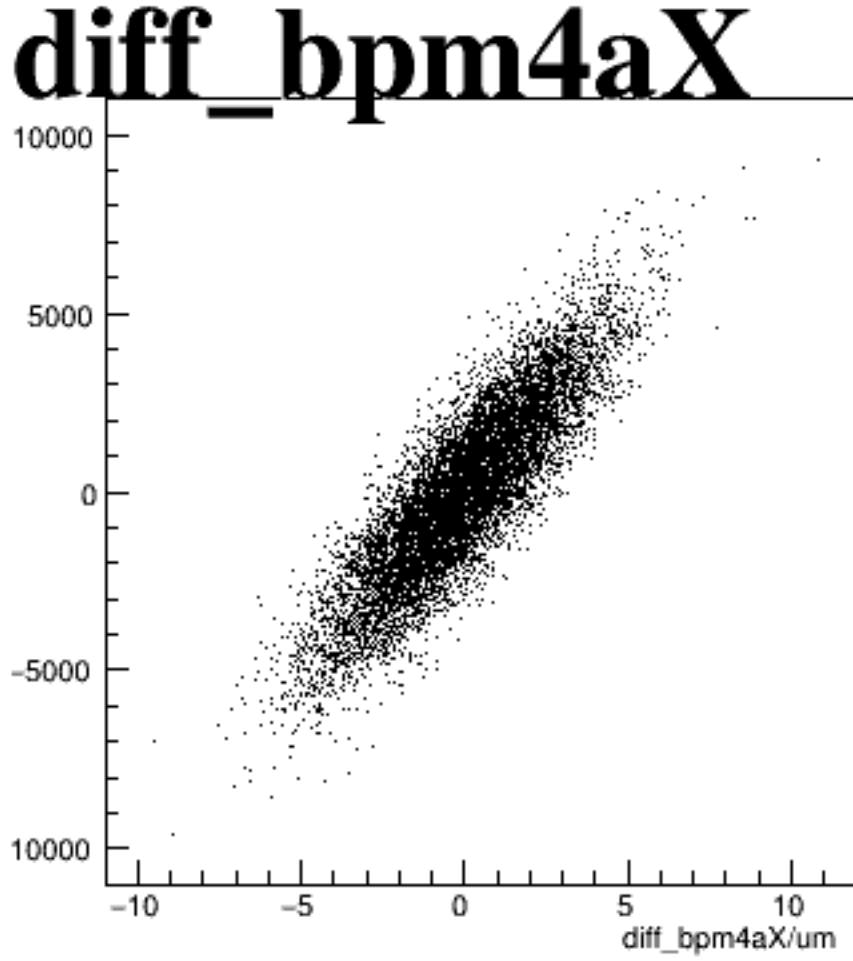
asym_sam2



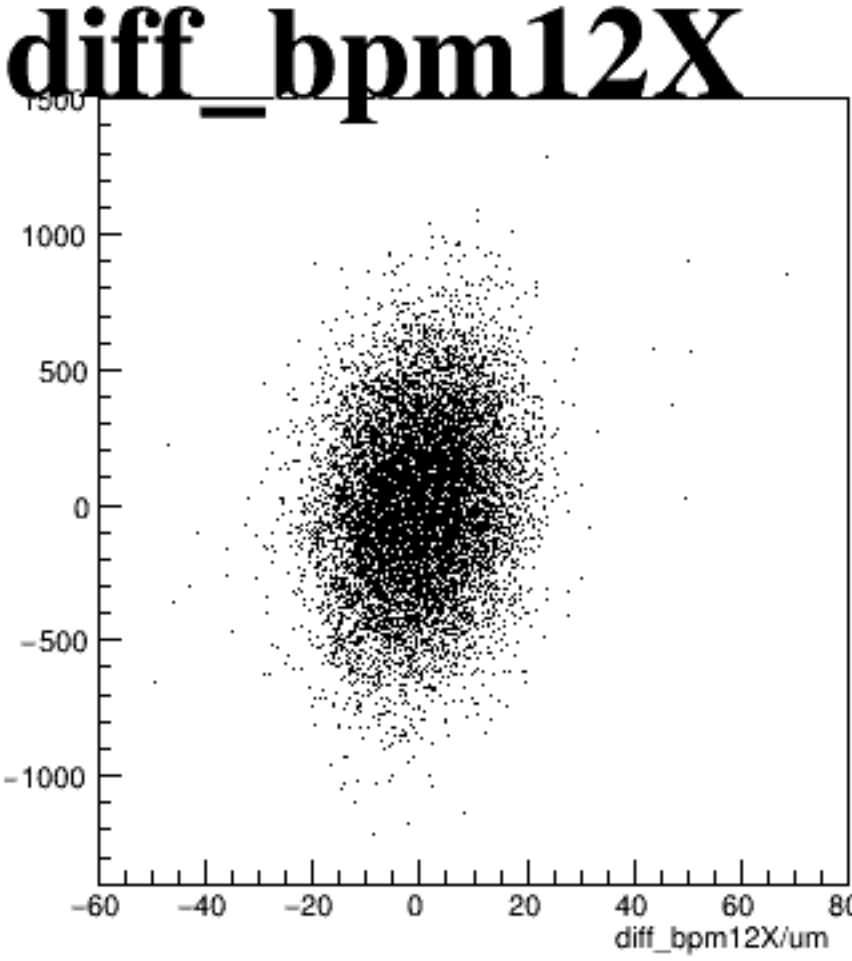
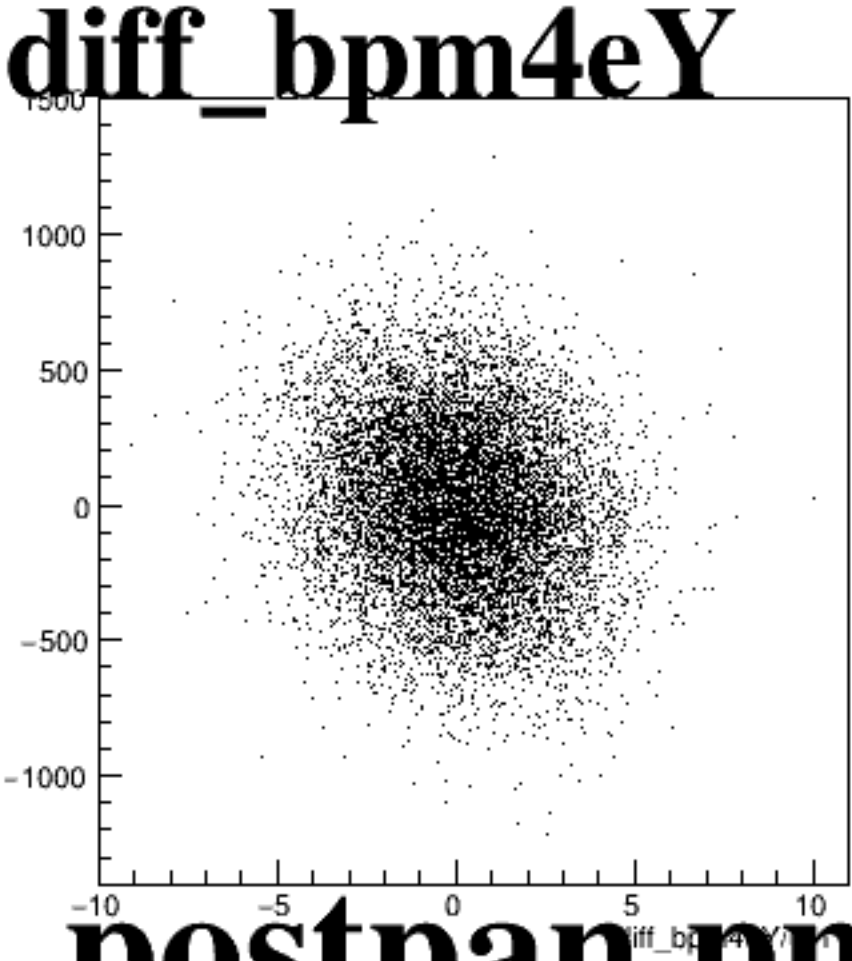
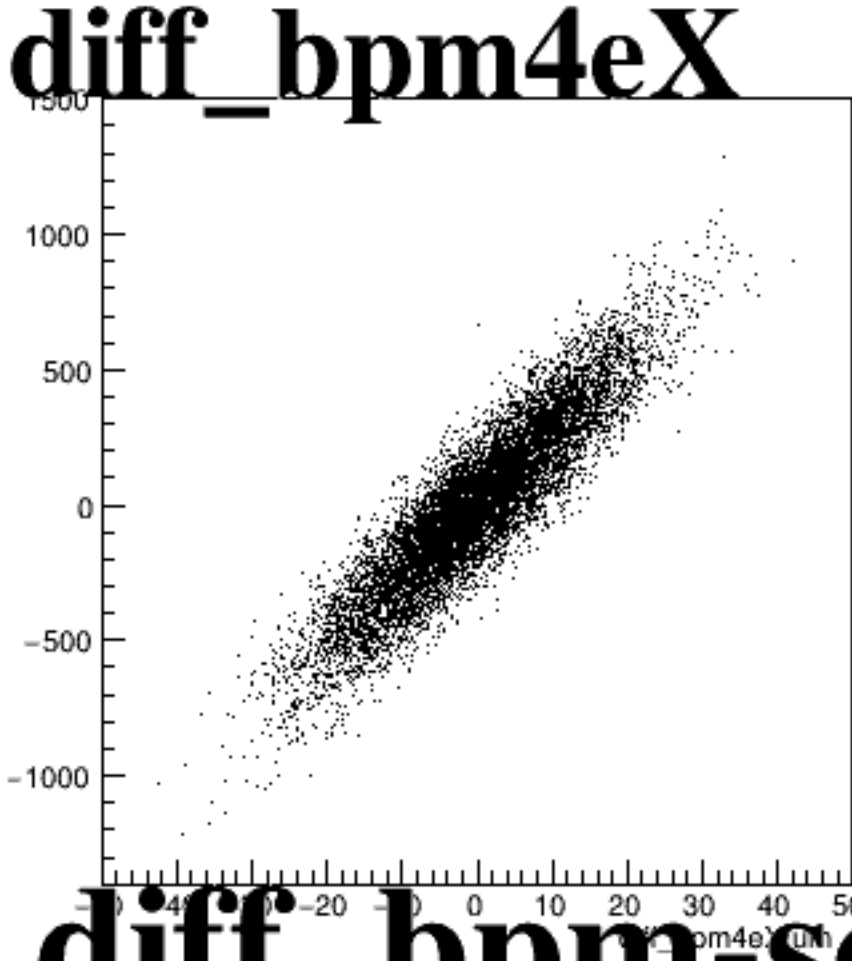
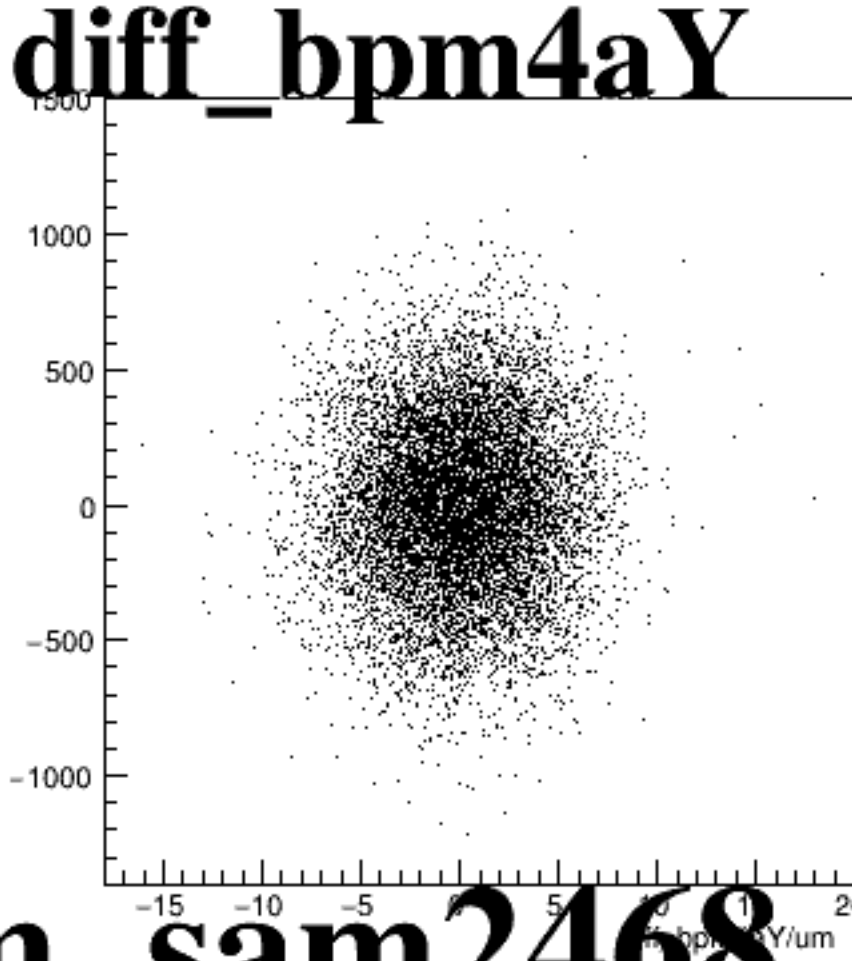
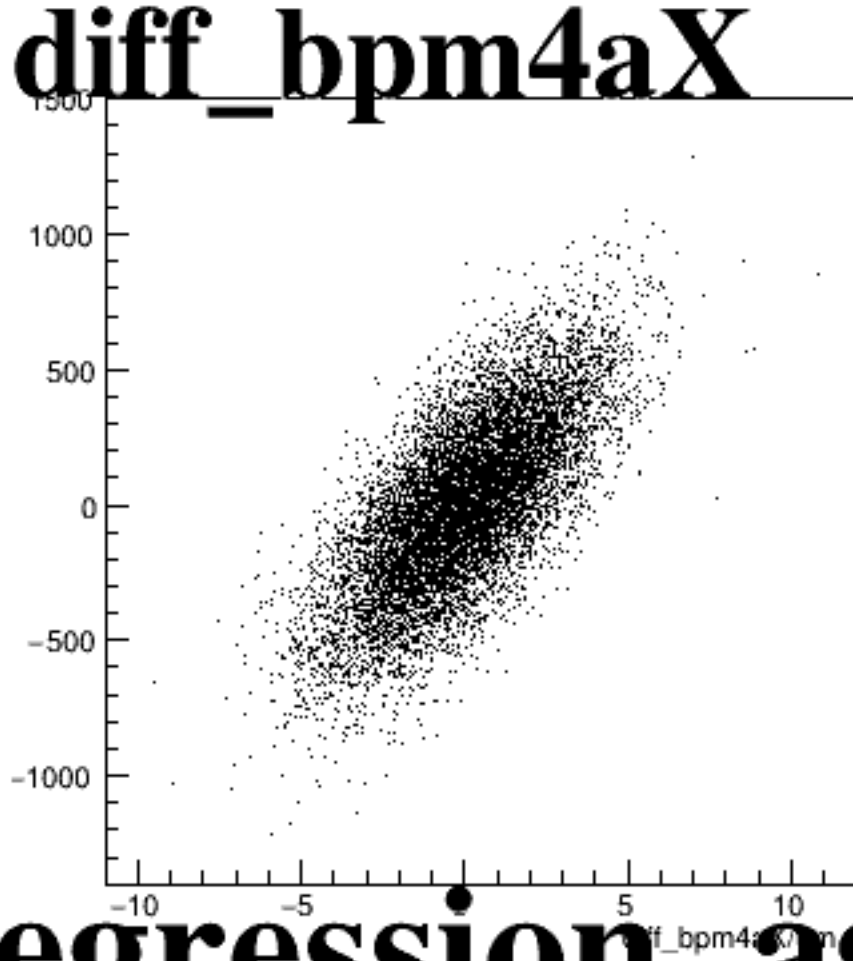
asym_sam4



asym_sam6



asym_sam8



The figure consists of five scatter plots arranged horizontally, each showing the difference in BPM (diff_bpm) for a specific beam parameter. The y-axis for all plots is labeled 'diff_bpm' and ranges from -8000 to 8000. The x-axis for each plot is labeled 'diff_bpm' followed by the parameter name and a unit of um.

- diff_bpm4aX**: The x-axis ranges from -10 to 10. The data points are centered around (0,0) with a spread of approximately 10 um.
- diff_bpm4aY**: The x-axis ranges from -15 to 20. The data points are centered around (0,0) with a spread of approximately 10 um.
- diff_bpm4eX**: The x-axis ranges from -50 to 50. The data points are centered around (0,0) with a spread of approximately 20 um.
- diff_bpm4eY**: The x-axis ranges from -10 to 10. The data points are centered around (0,0) with a spread of approximately 10 um.
- diff_bpm12X**: The x-axis ranges from -60 to 80. The data points are centered around (0,0) with a spread of approximately 20 um.

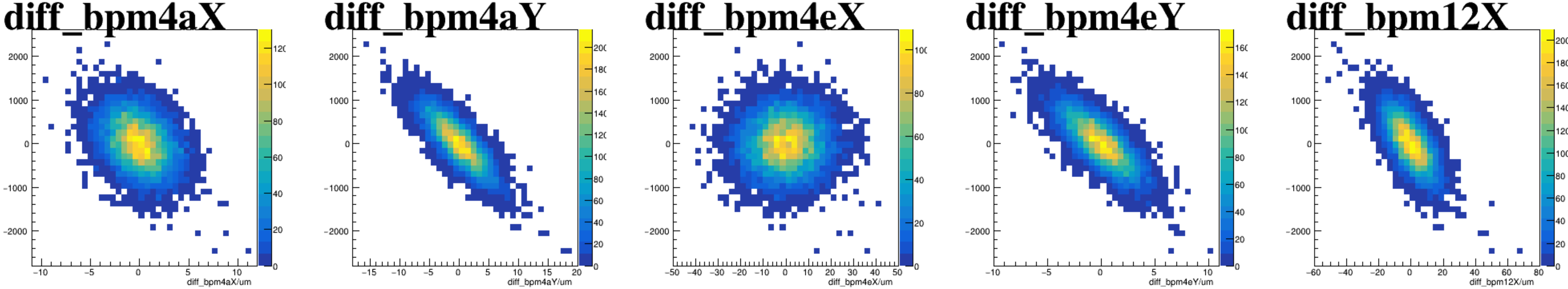
The figure displays five scatter plots, each showing the difference in beam position (diff_bpm) for various beam parameters. The plots are arranged horizontally and labeled as follows:

- diff_bpm4aX**: The x-axis ranges from -10 to 10, and the y-axis ranges from -1500 to 2000. The data points are centered around (0, 0).
- diff_bpm4aY**: The x-axis ranges from -15 to 20, and the y-axis ranges from -1500 to 2000. The data points are centered around (0, 0).
- diff_bpm4eX**: The x-axis ranges from -50 to 50, and the y-axis ranges from -1500 to 2000. The data points are centered around (0, 0).
- diff_bpm4eY**: The x-axis ranges from -10 to 10, and the y-axis ranges from -1500 to 2000. The data points are centered around (0, 0).
- diff_bpm12X**: The x-axis ranges from -60 to 80, and the y-axis ranges from -1500 to 2000. The data points are centered around (0, 0).

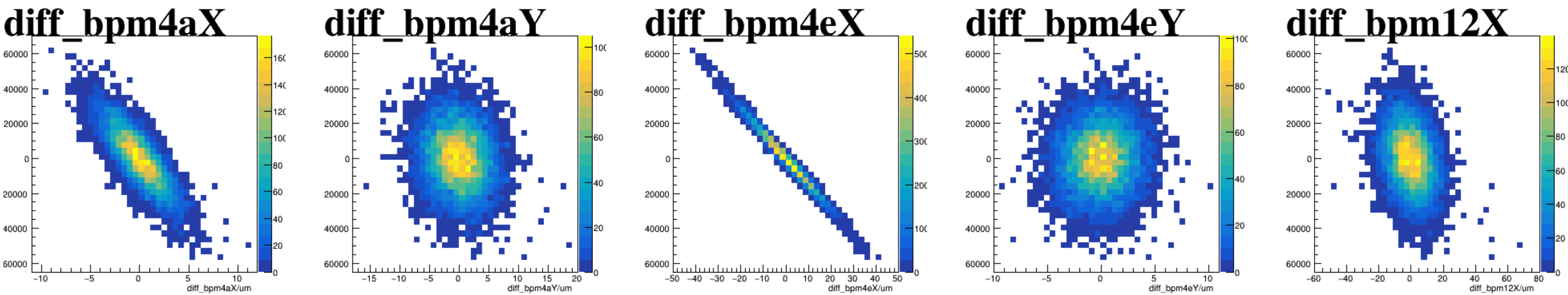
All plots show a dense cloud of points, indicating that the differences in beam position are generally small and centered around zero.

run3353_000_regression_reg_sam2468_vs_diff_bpm-scat_postpan.png

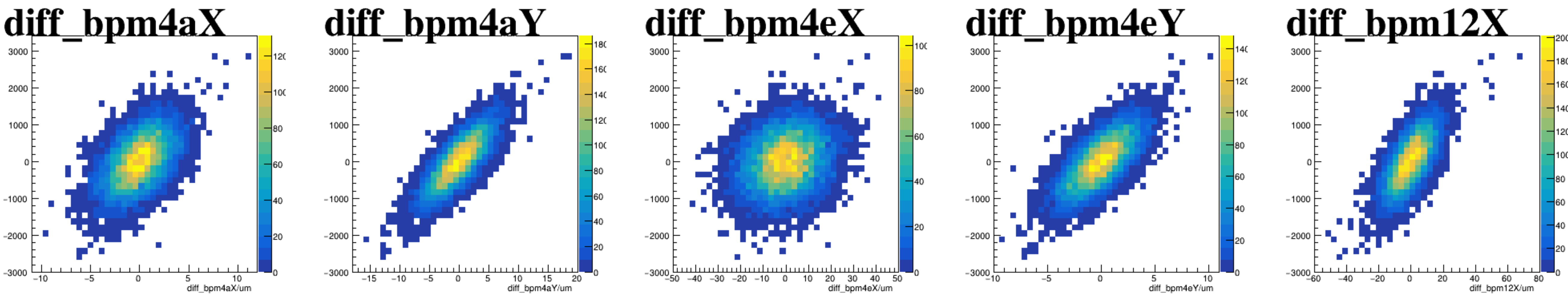
asym_sam1



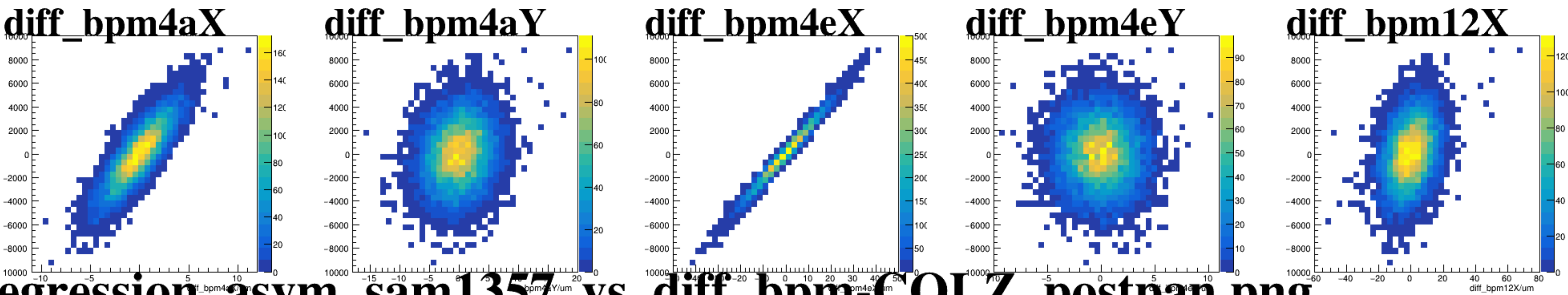
asym_sam3



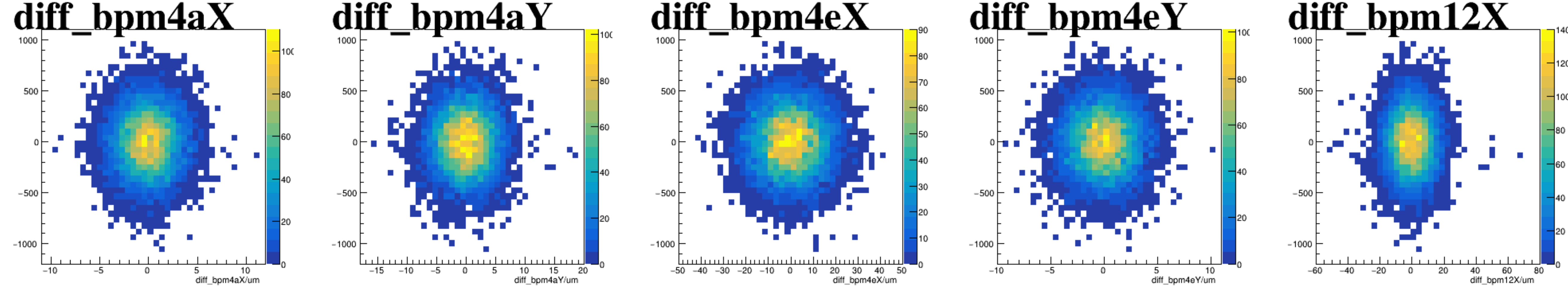
asym_sam5



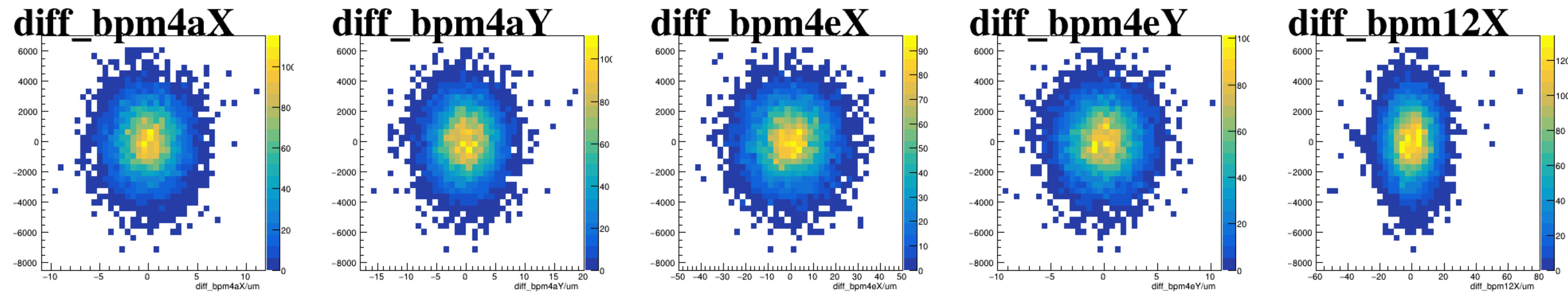
asym_sam7



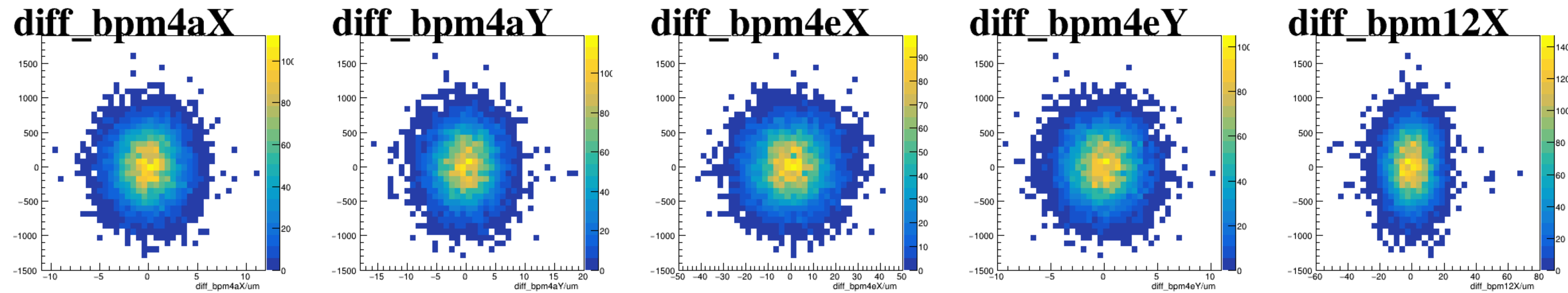
reg_asym_sam1



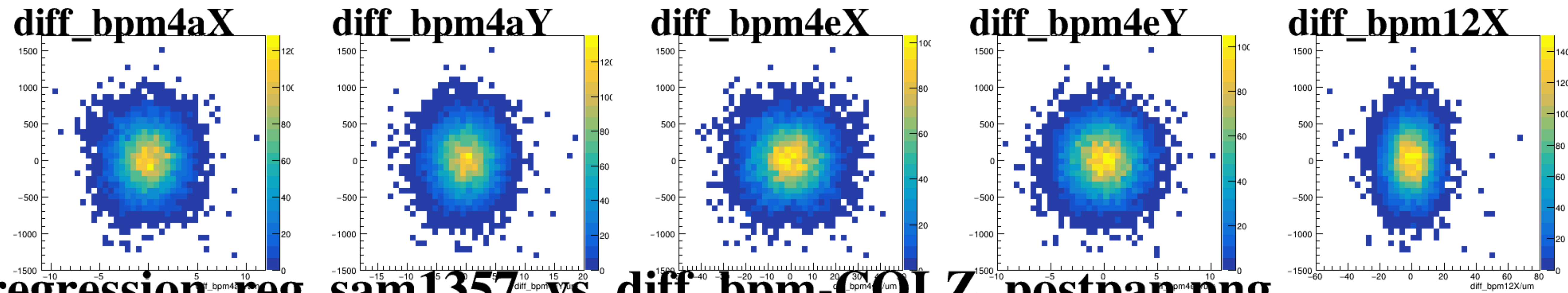
reg_asym_sam3



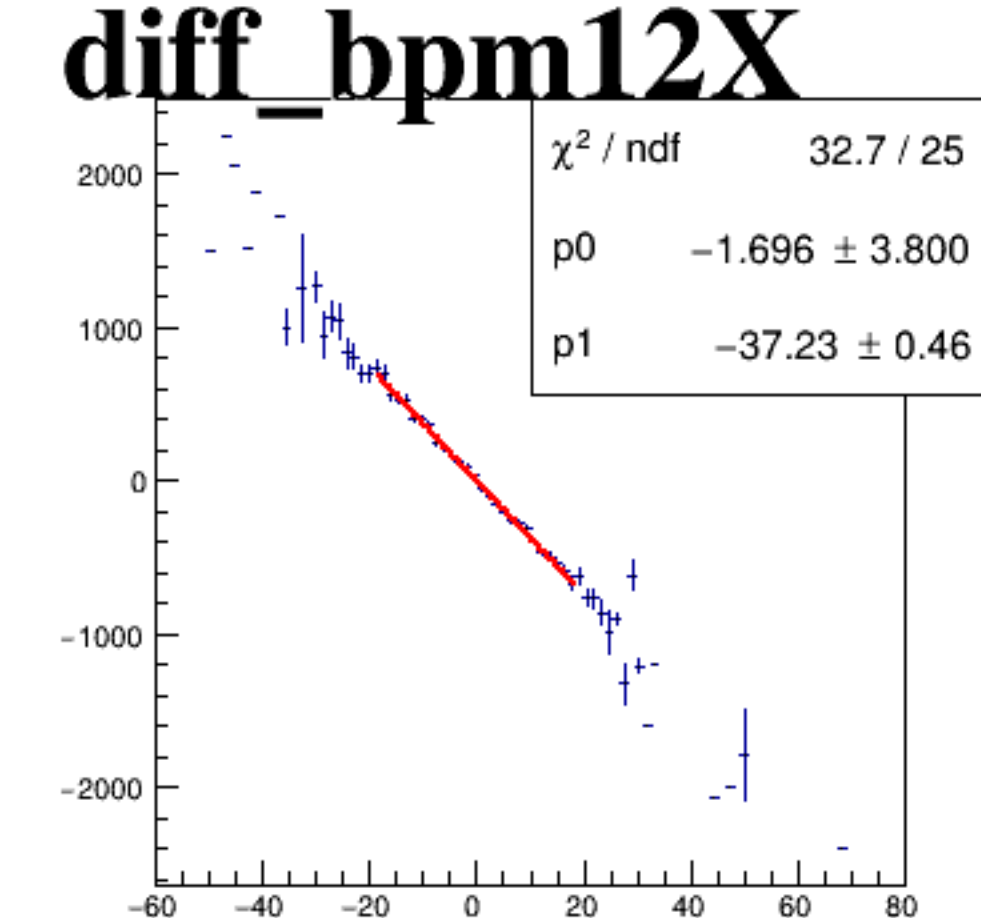
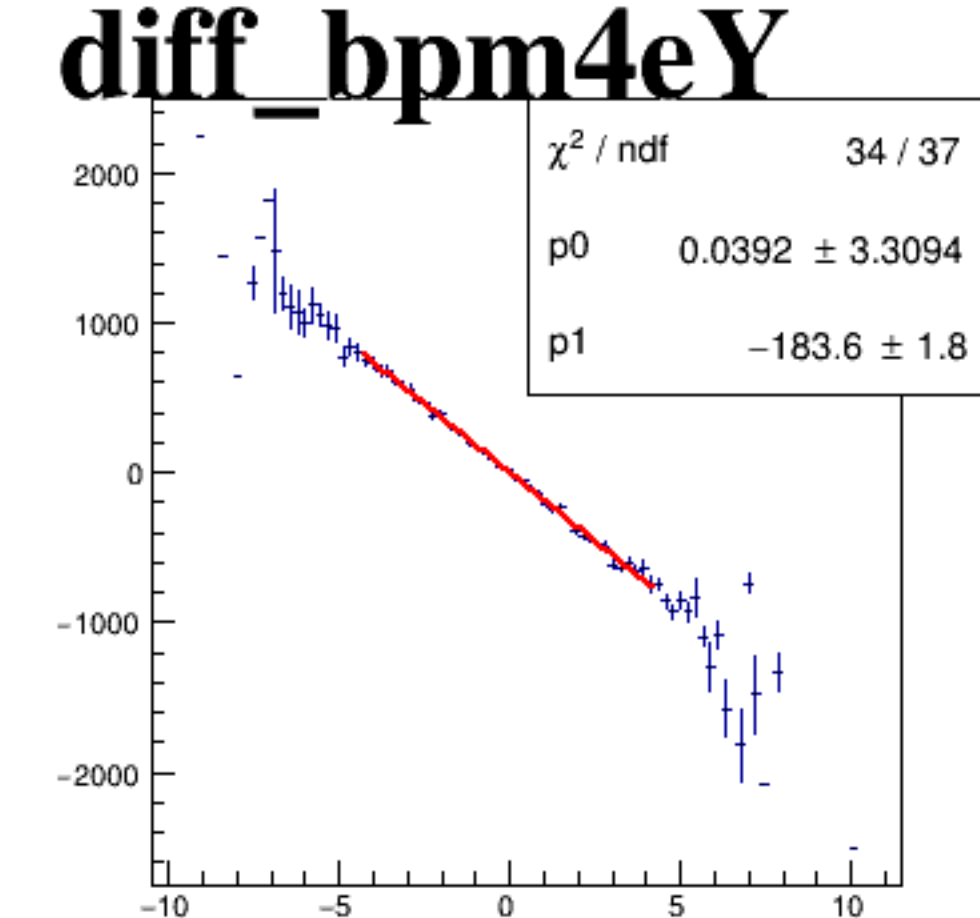
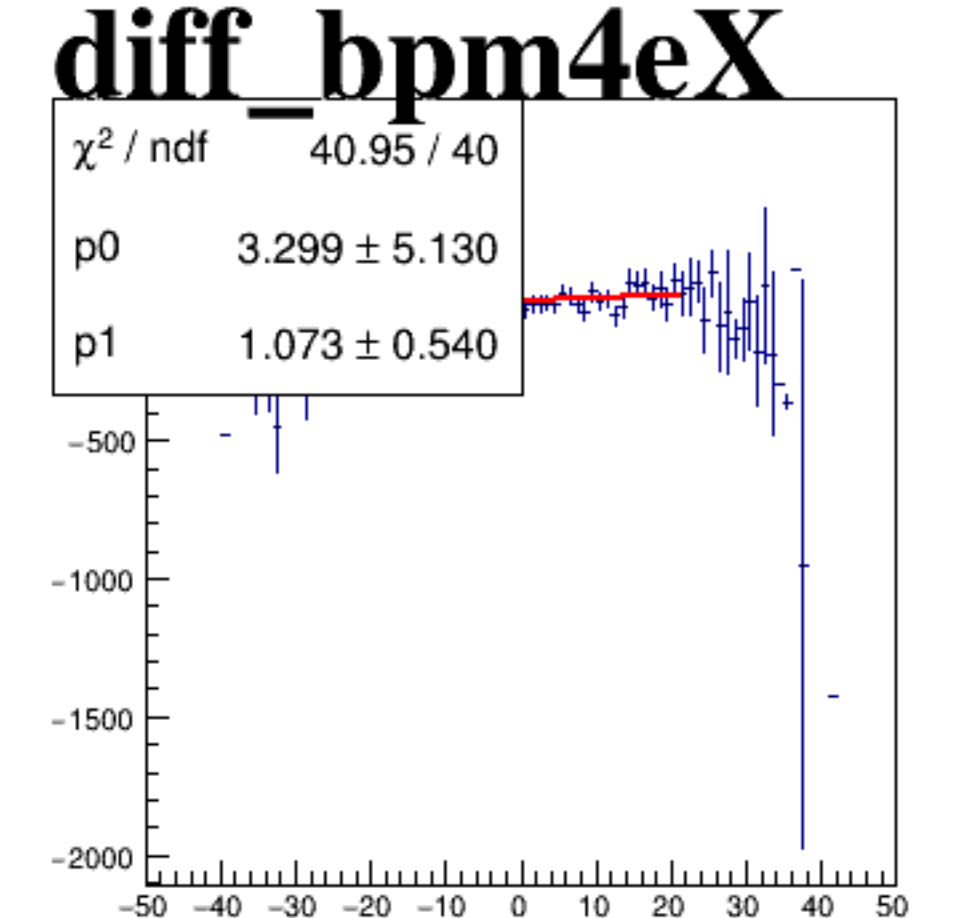
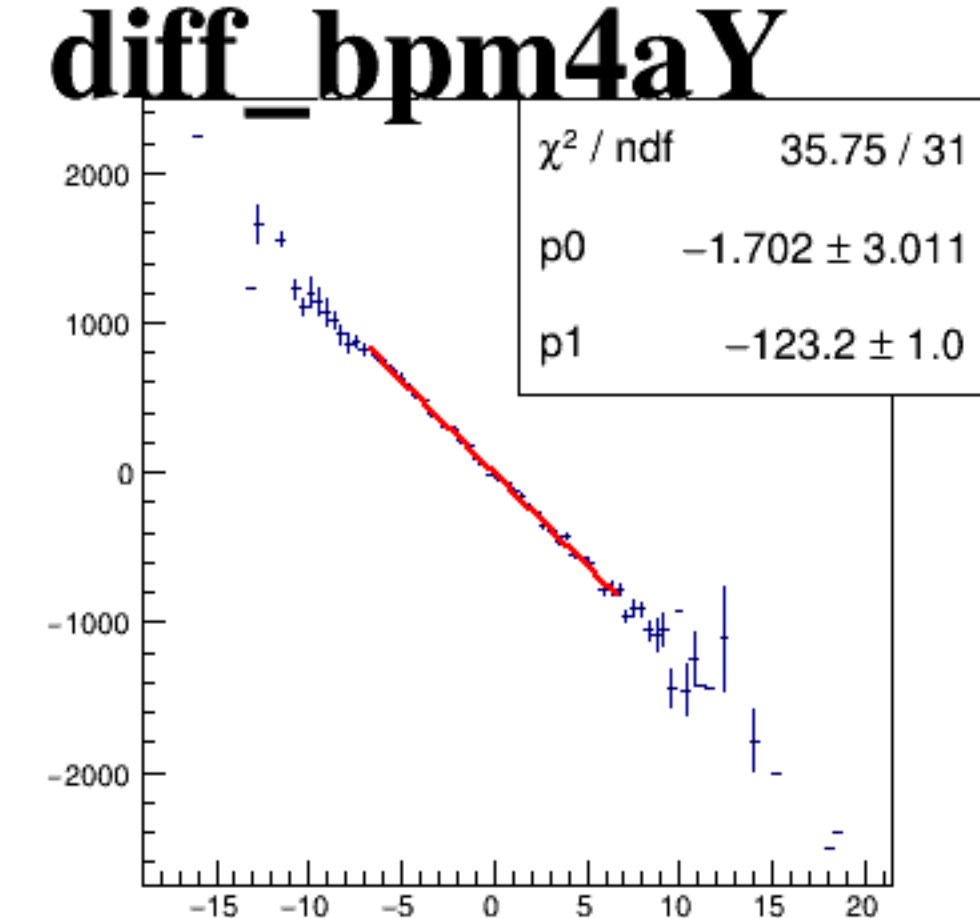
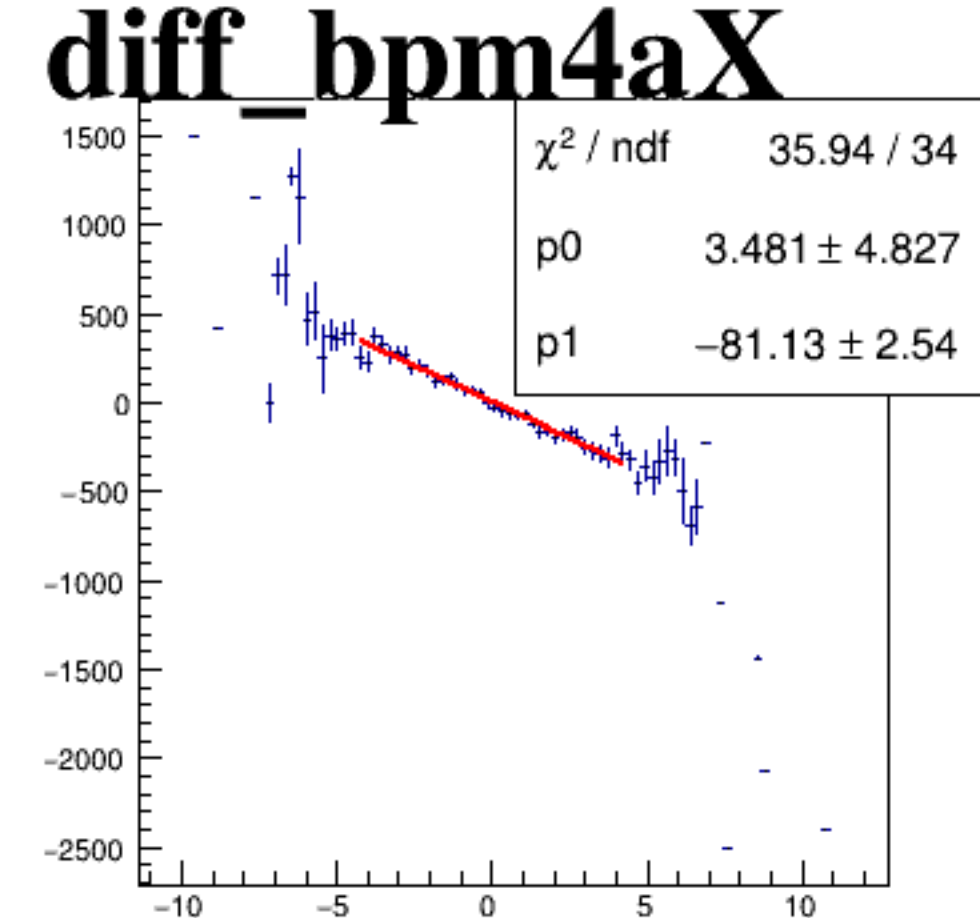
reg_asym_sam5



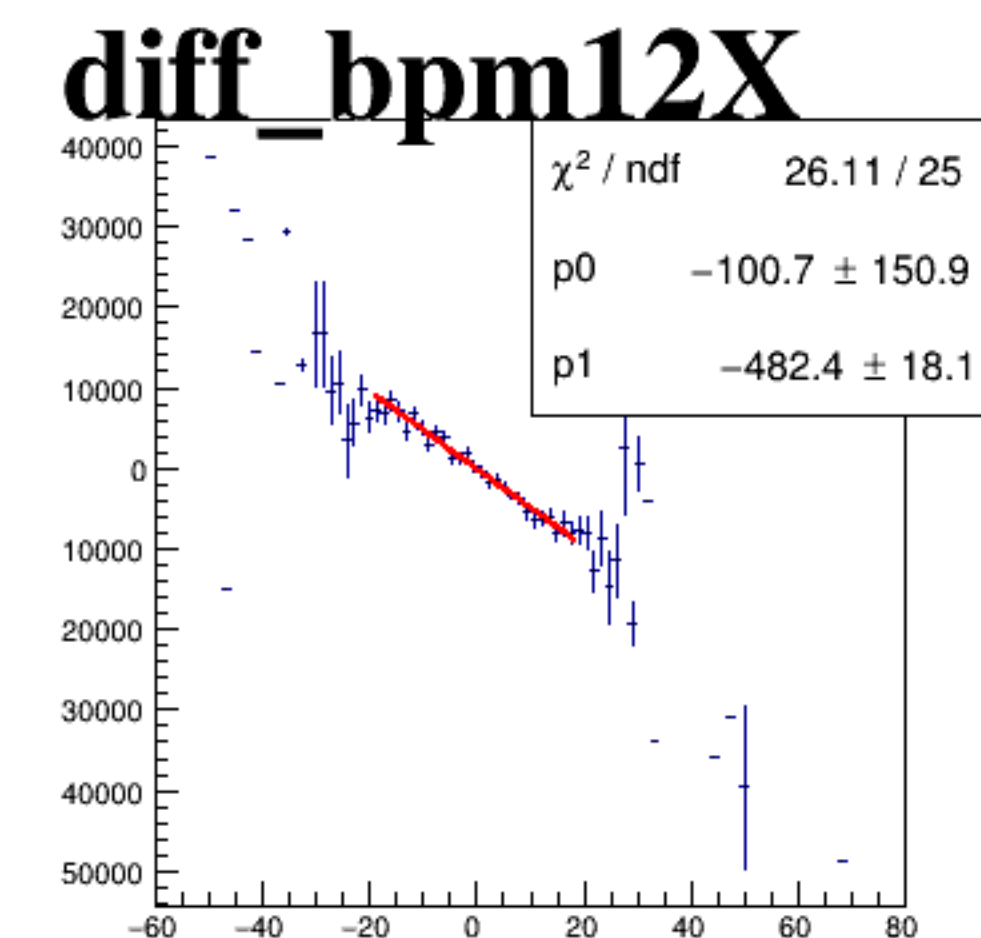
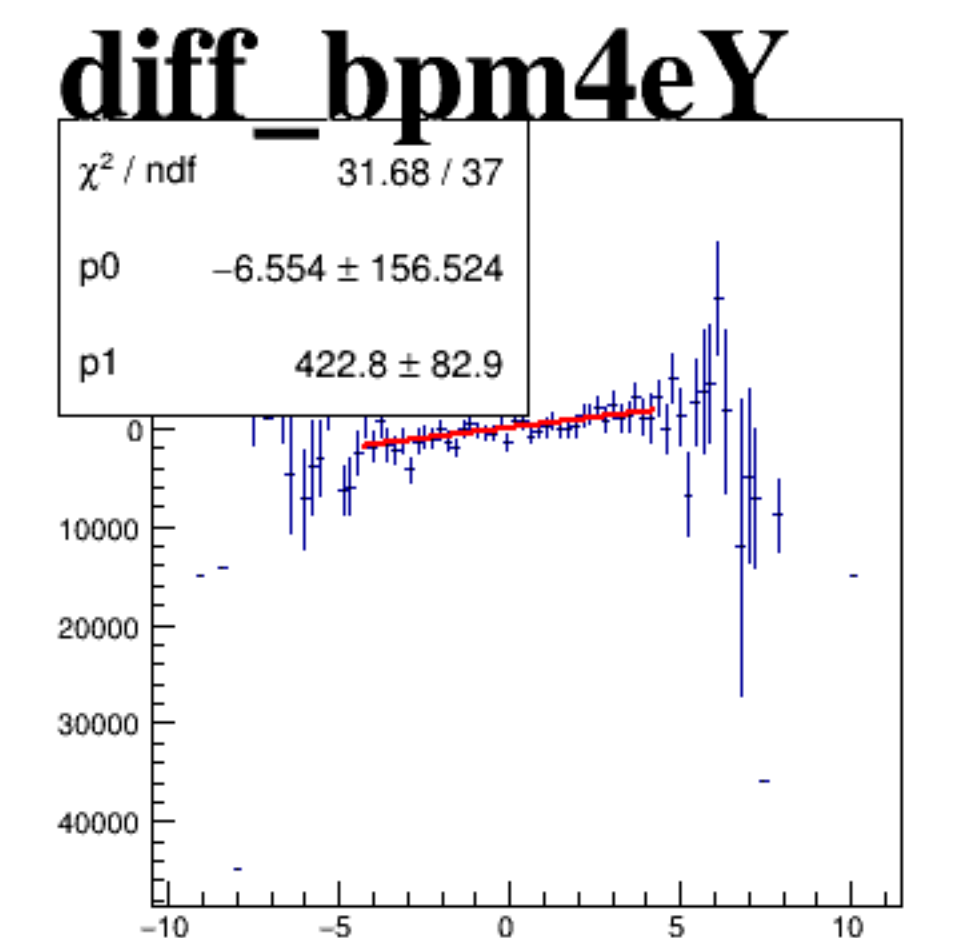
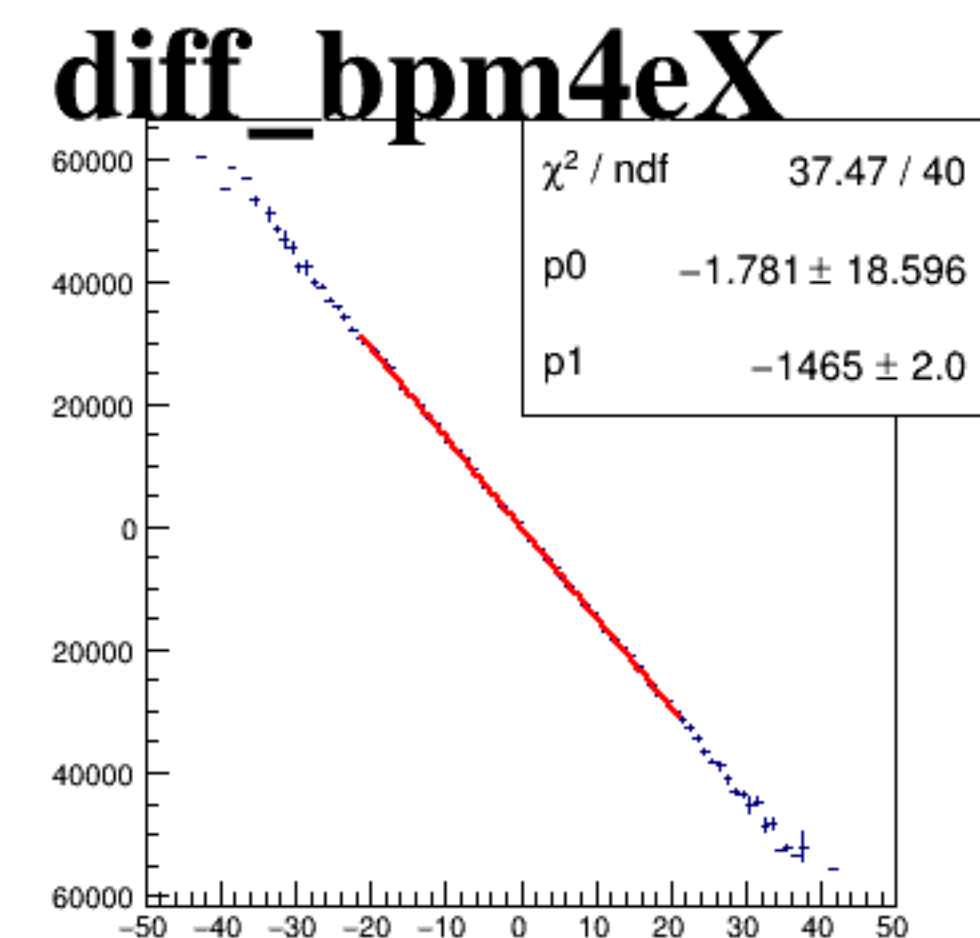
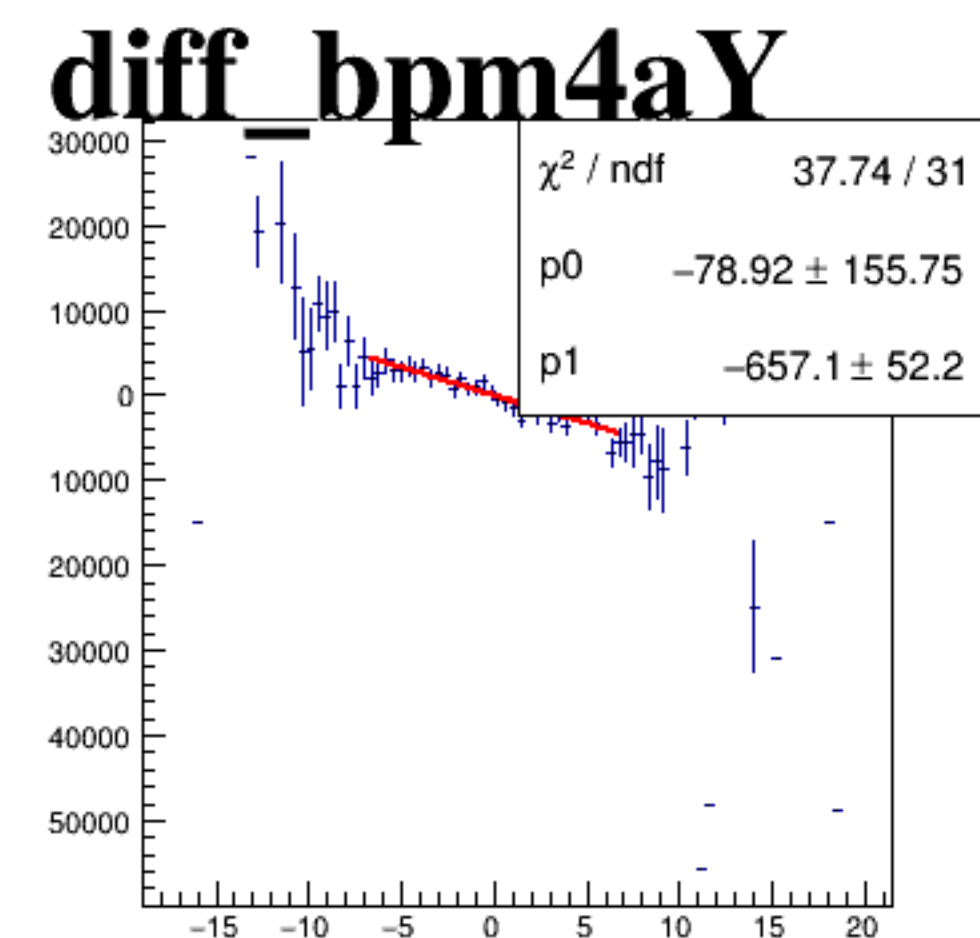
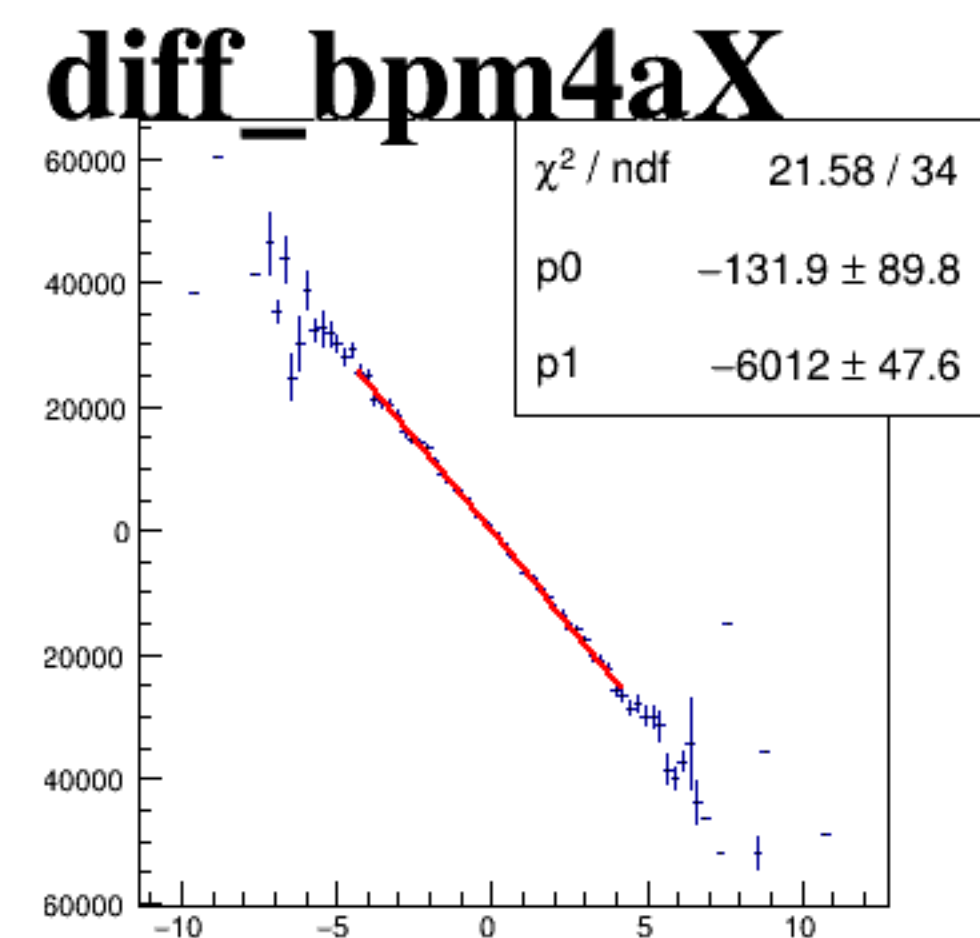
reg_asym_sam7



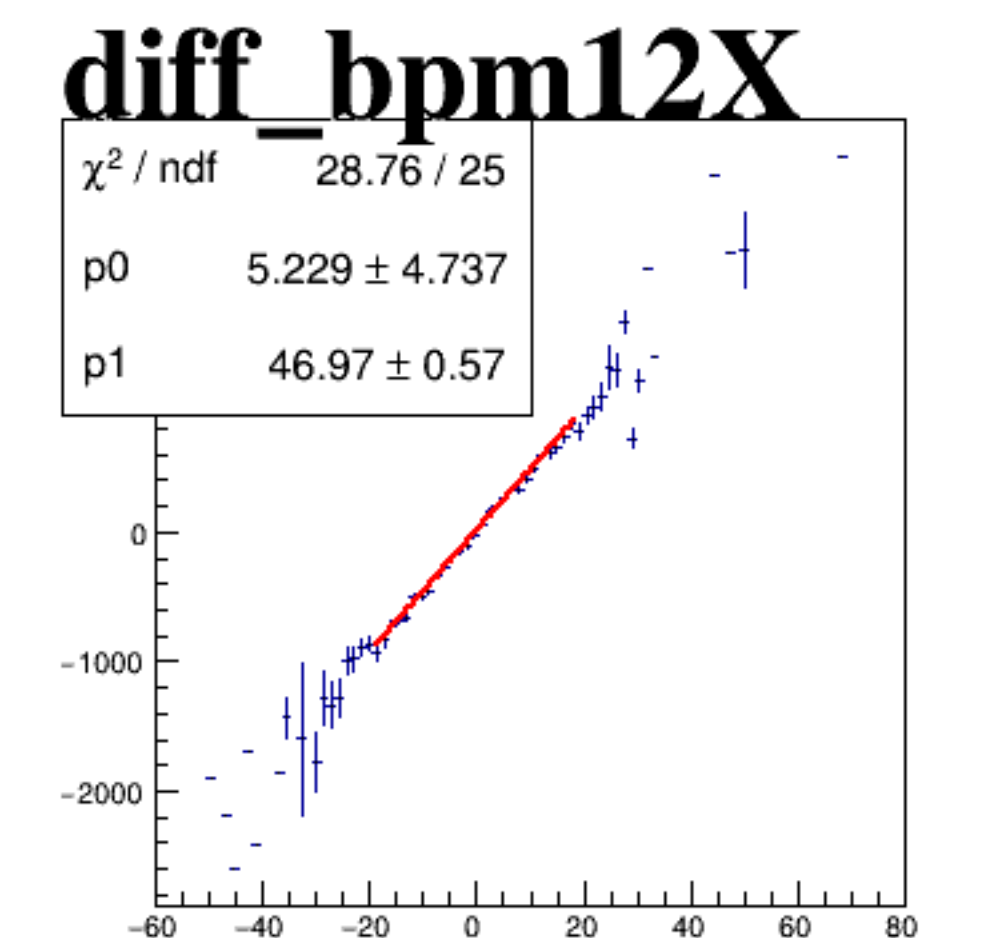
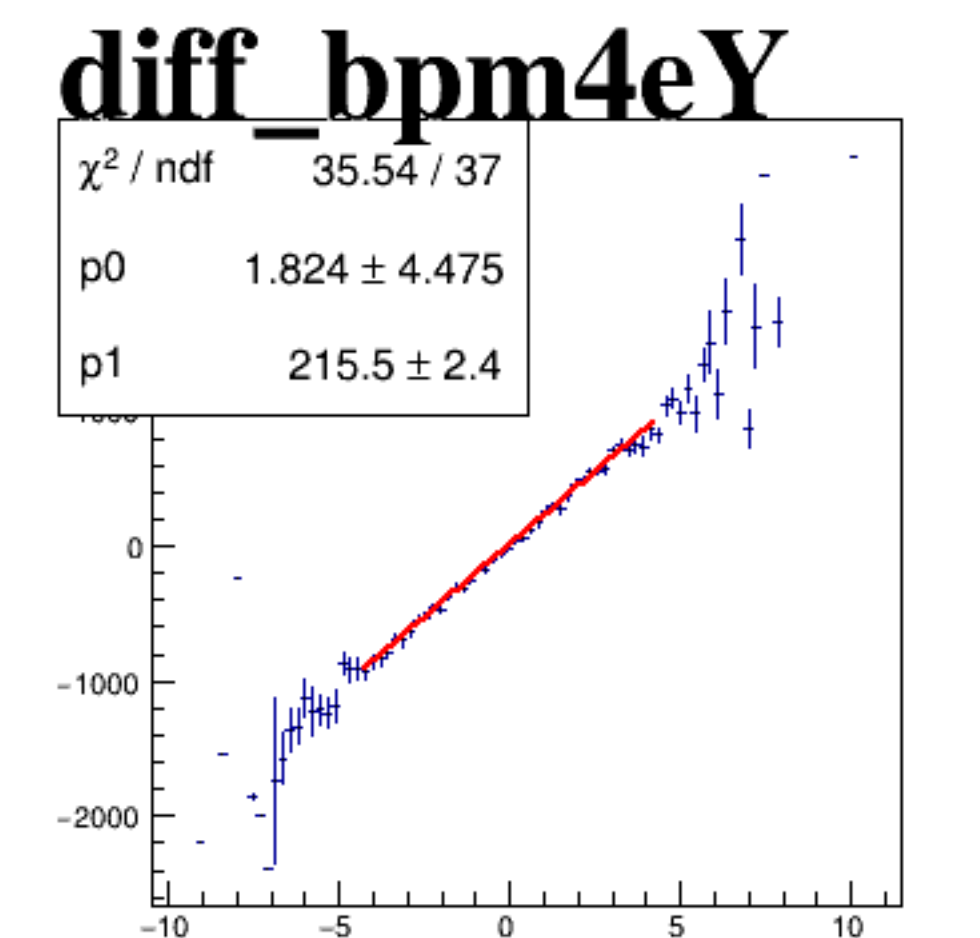
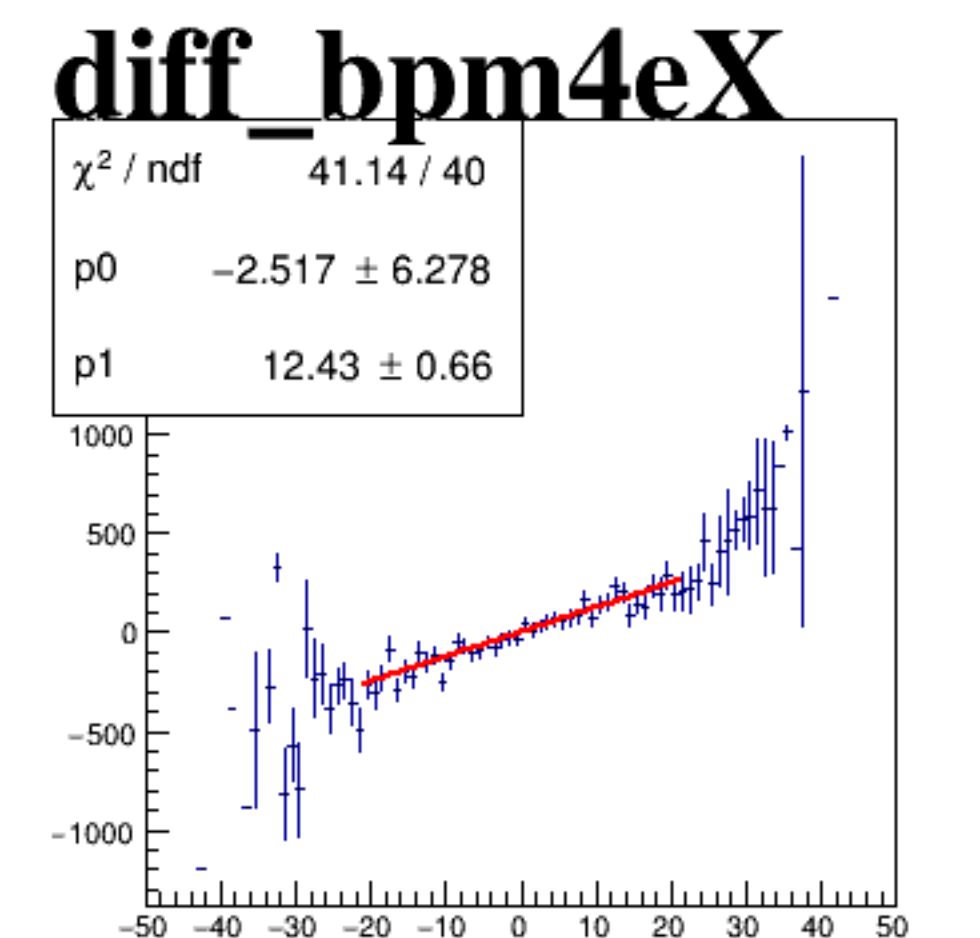
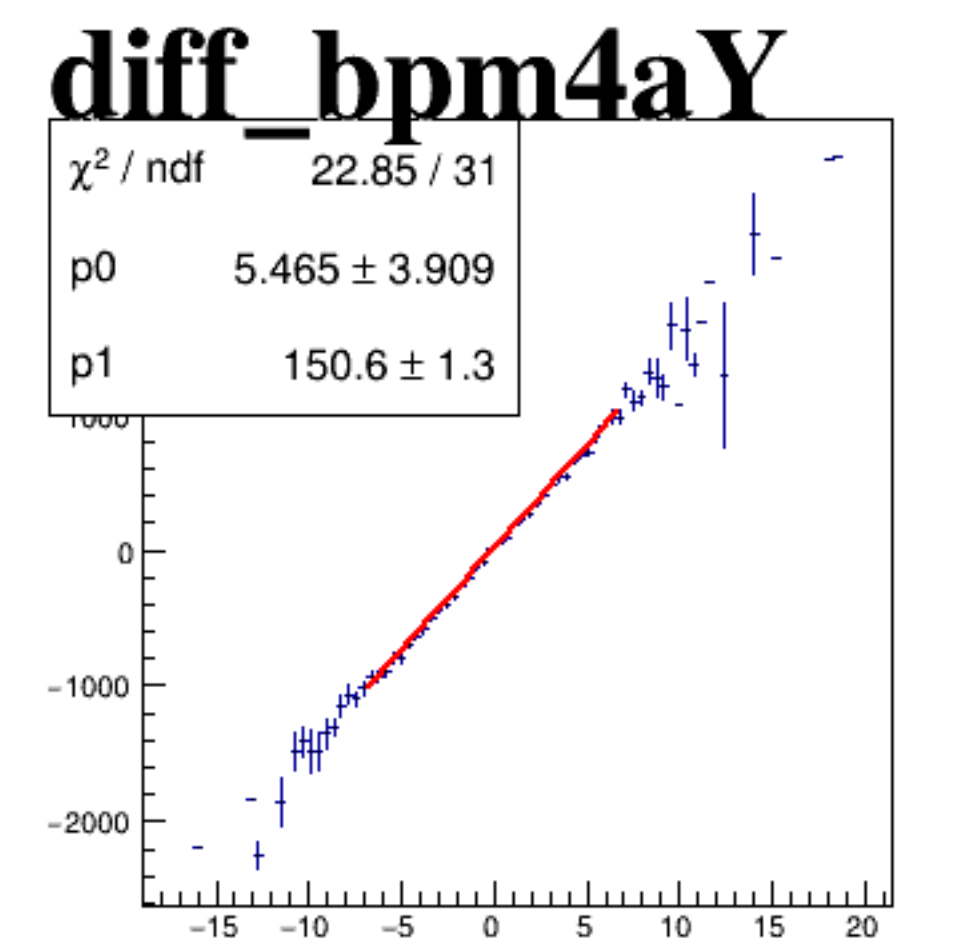
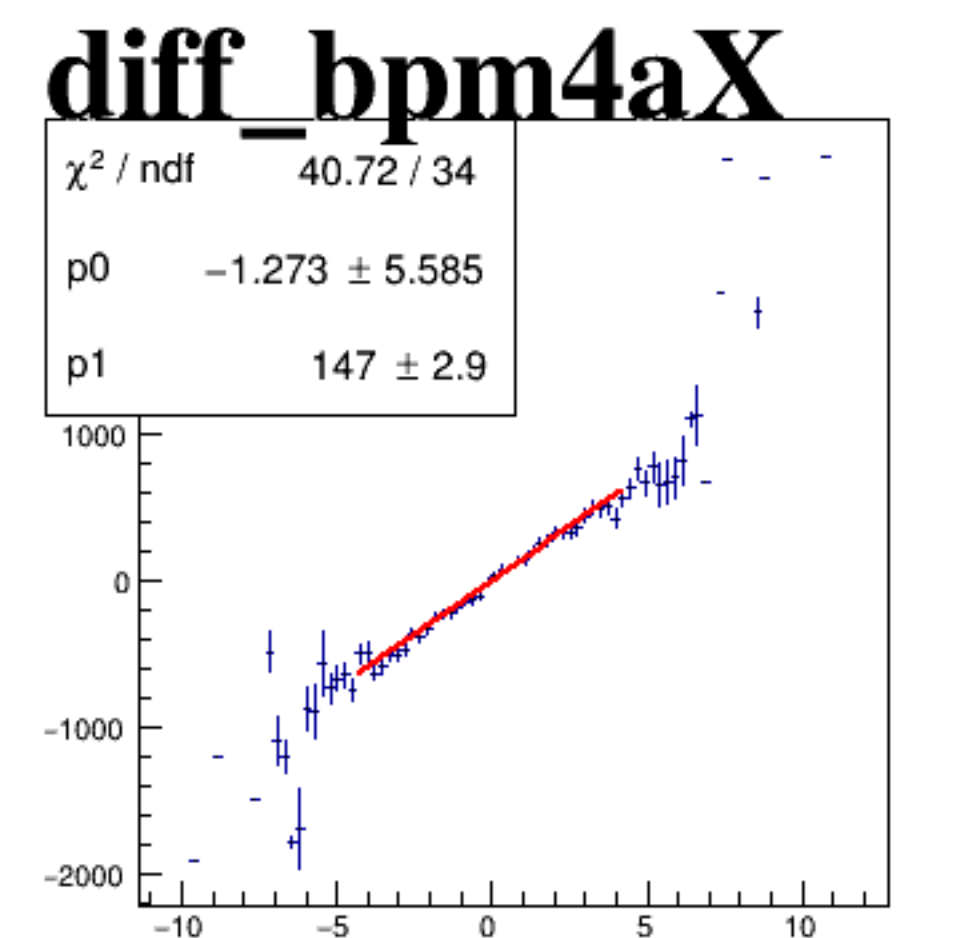
asym_sam1



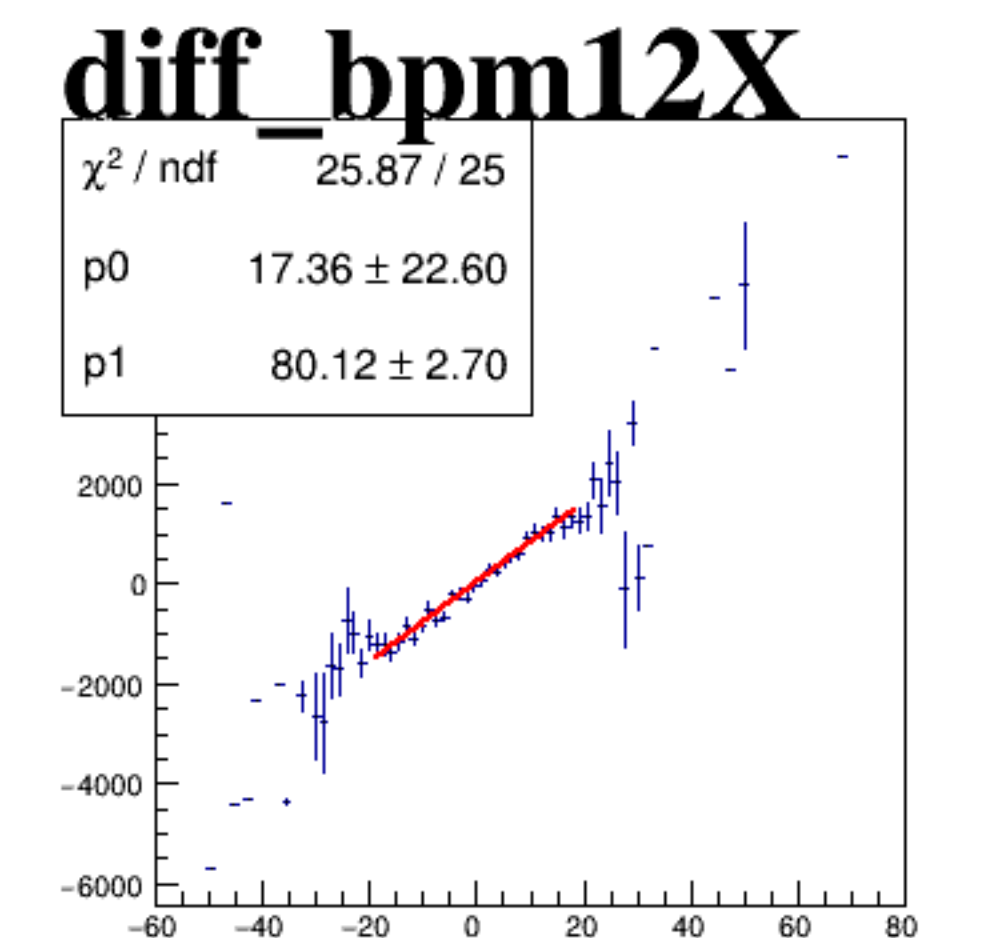
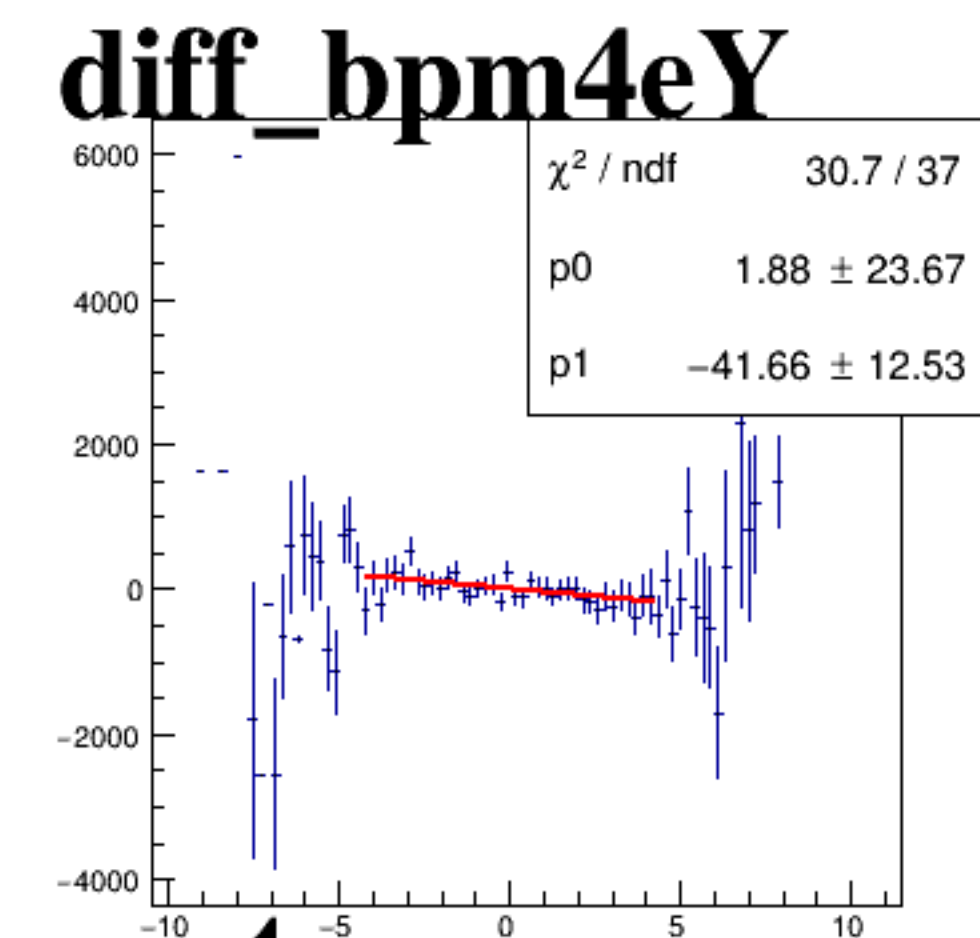
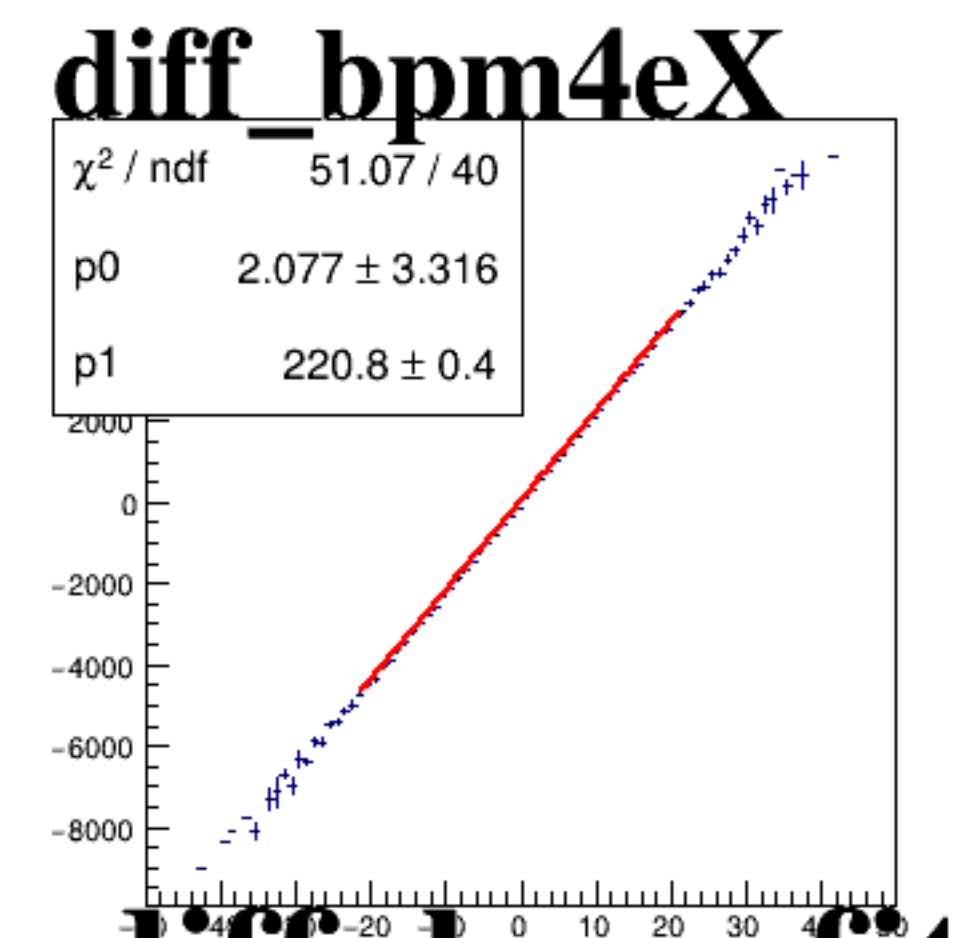
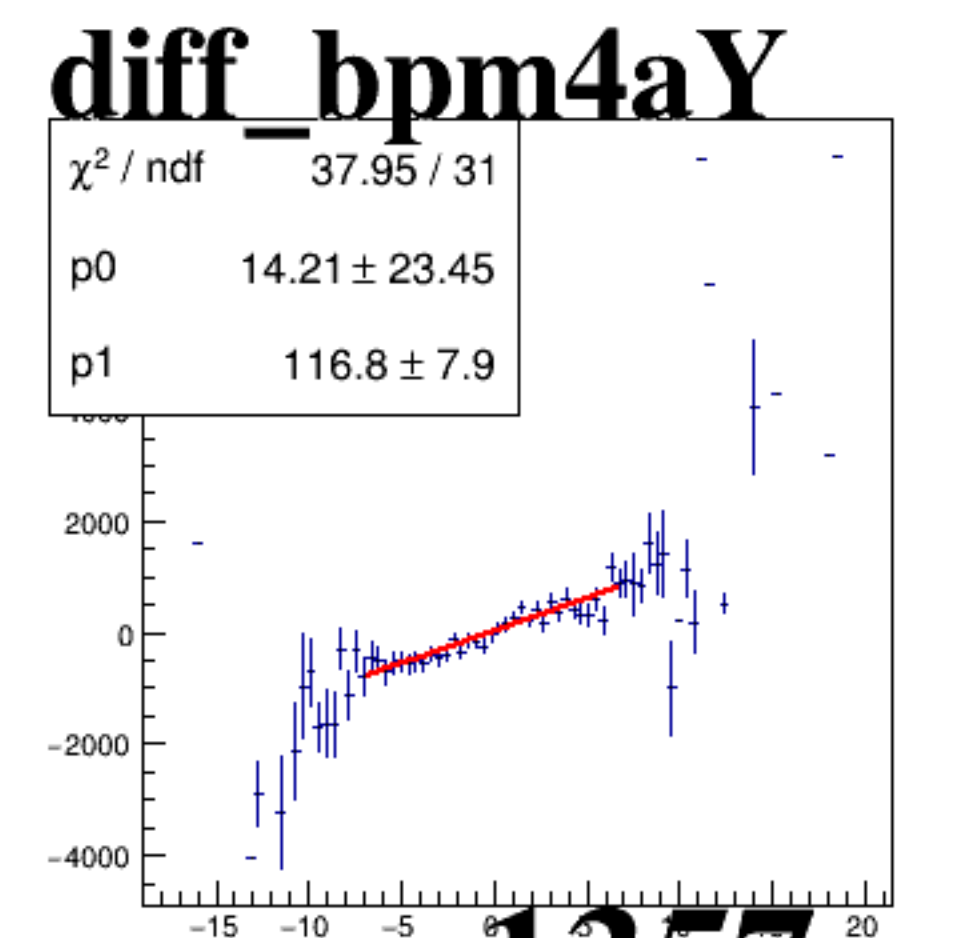
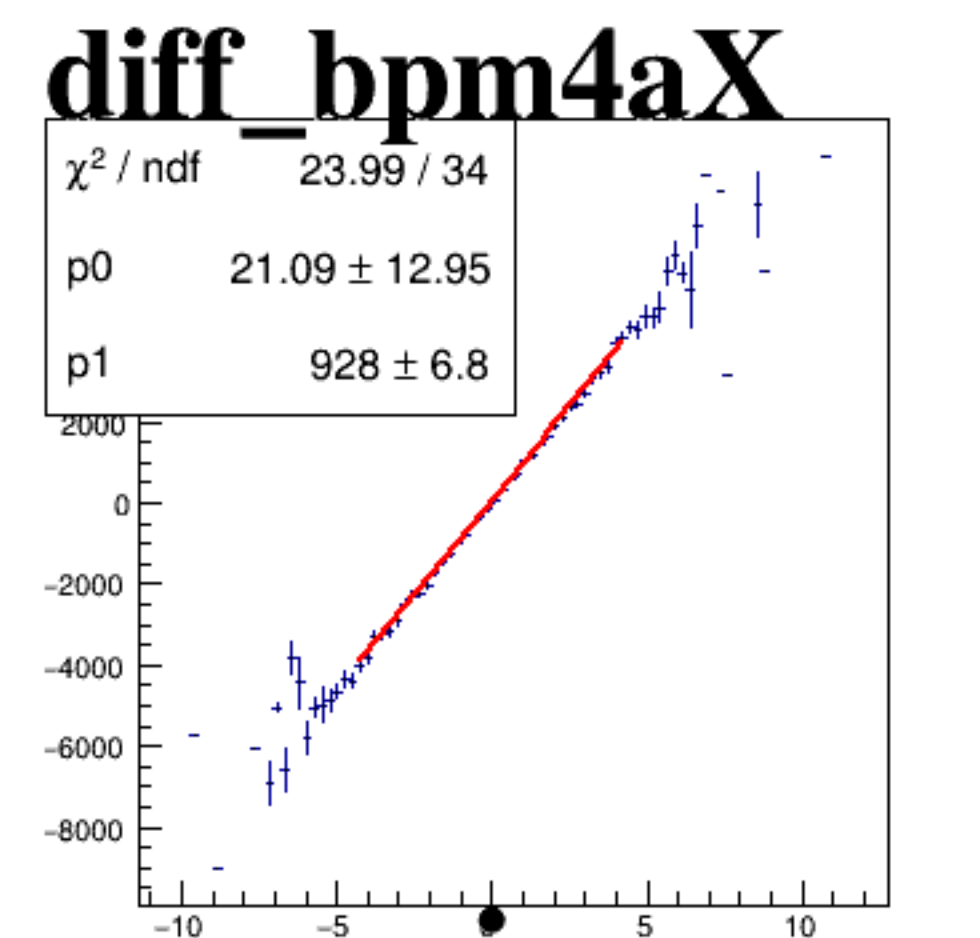
asym_sam3



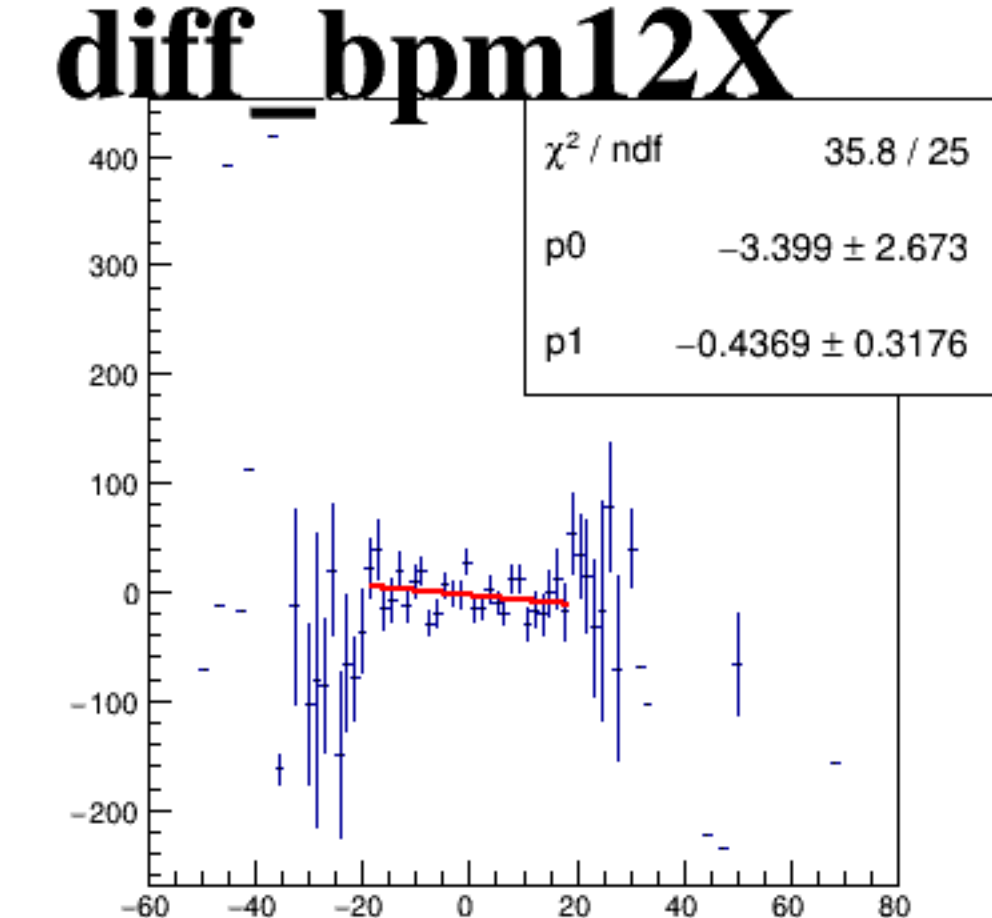
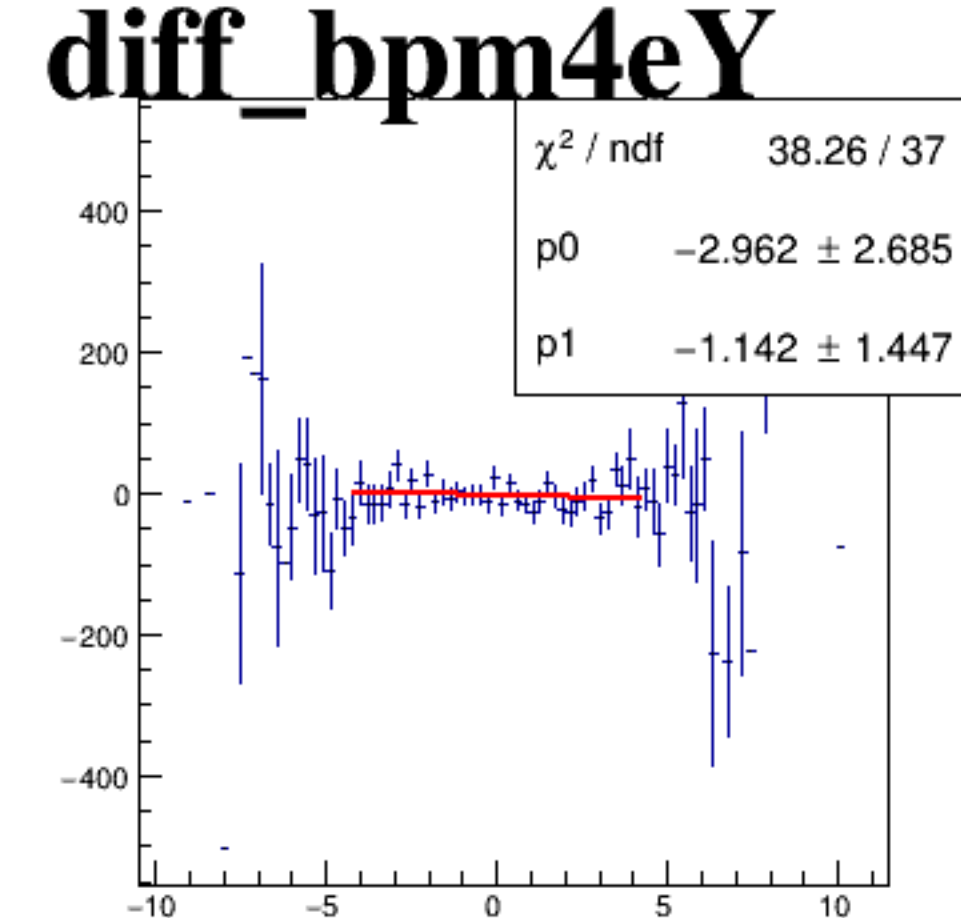
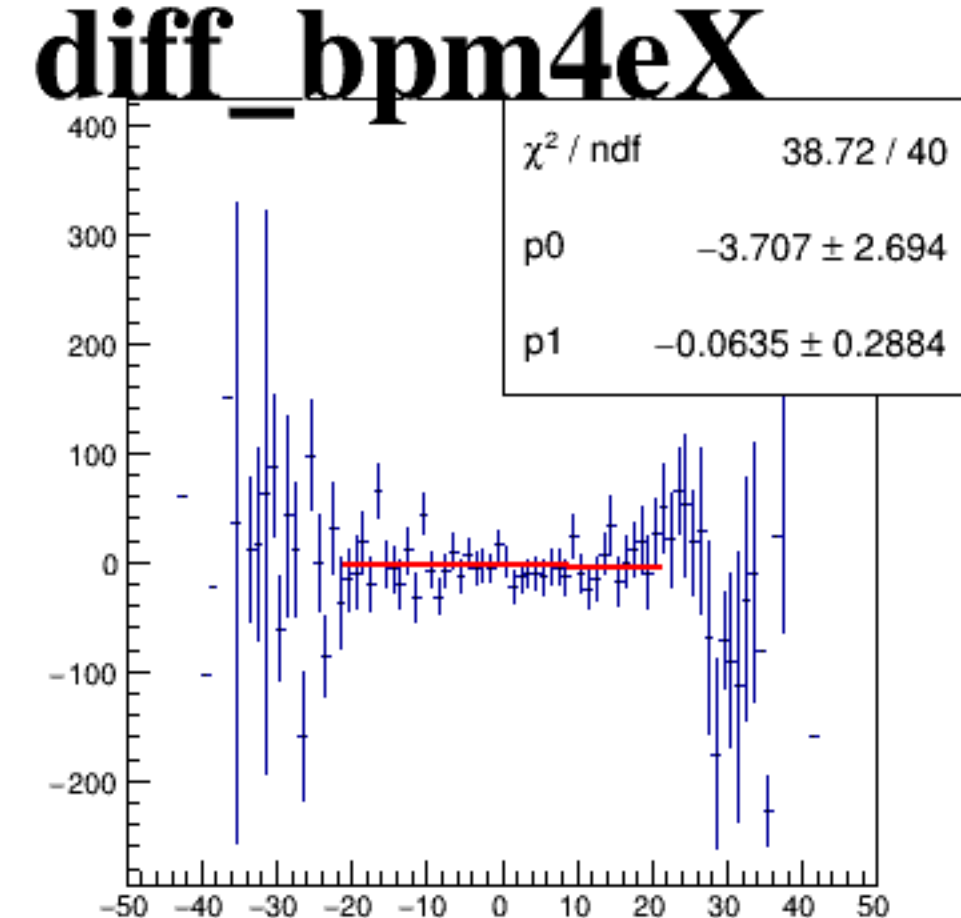
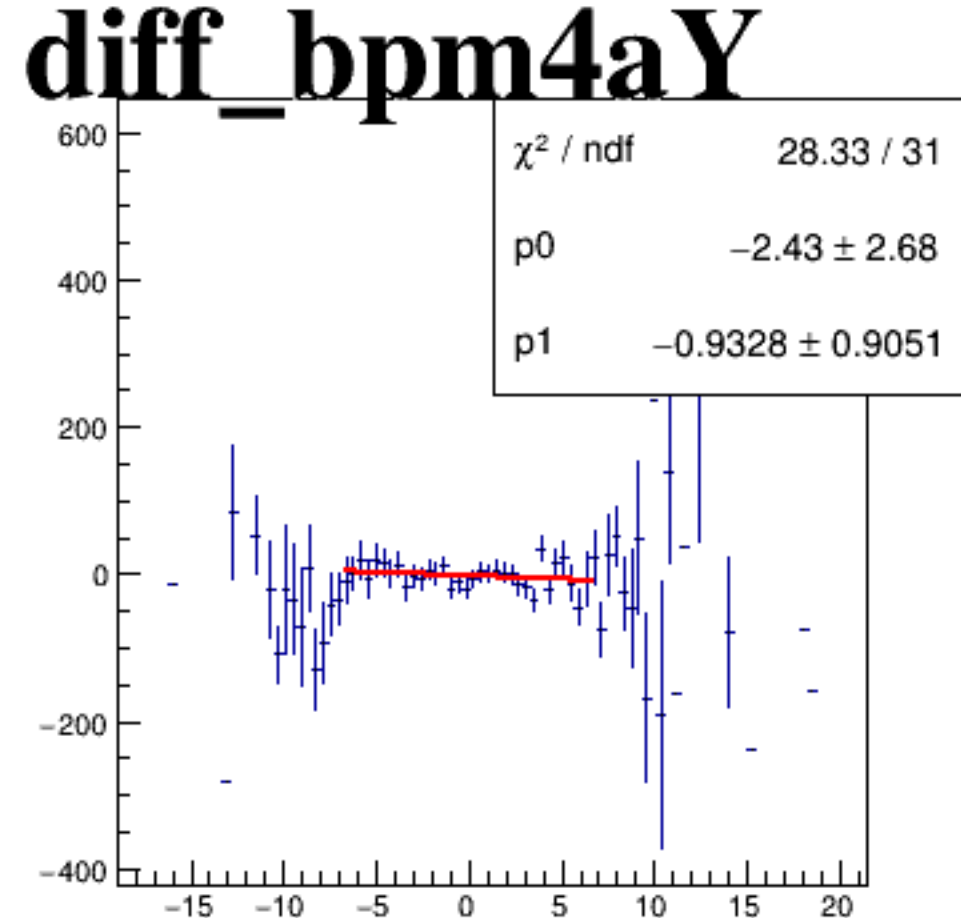
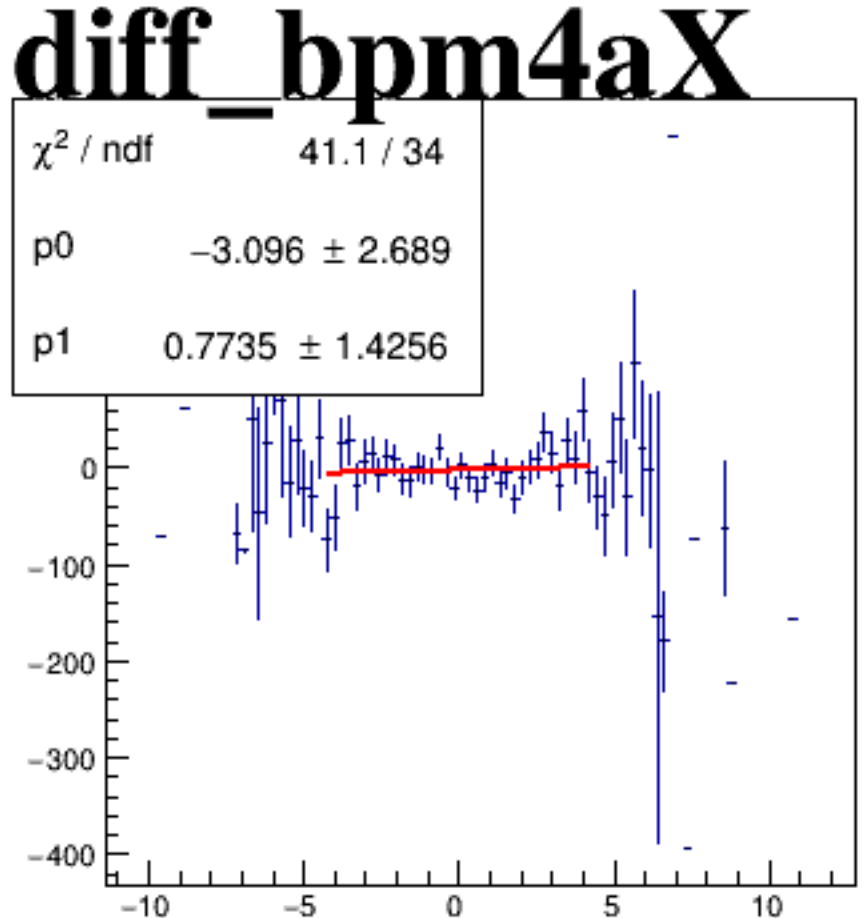
asym_sam5



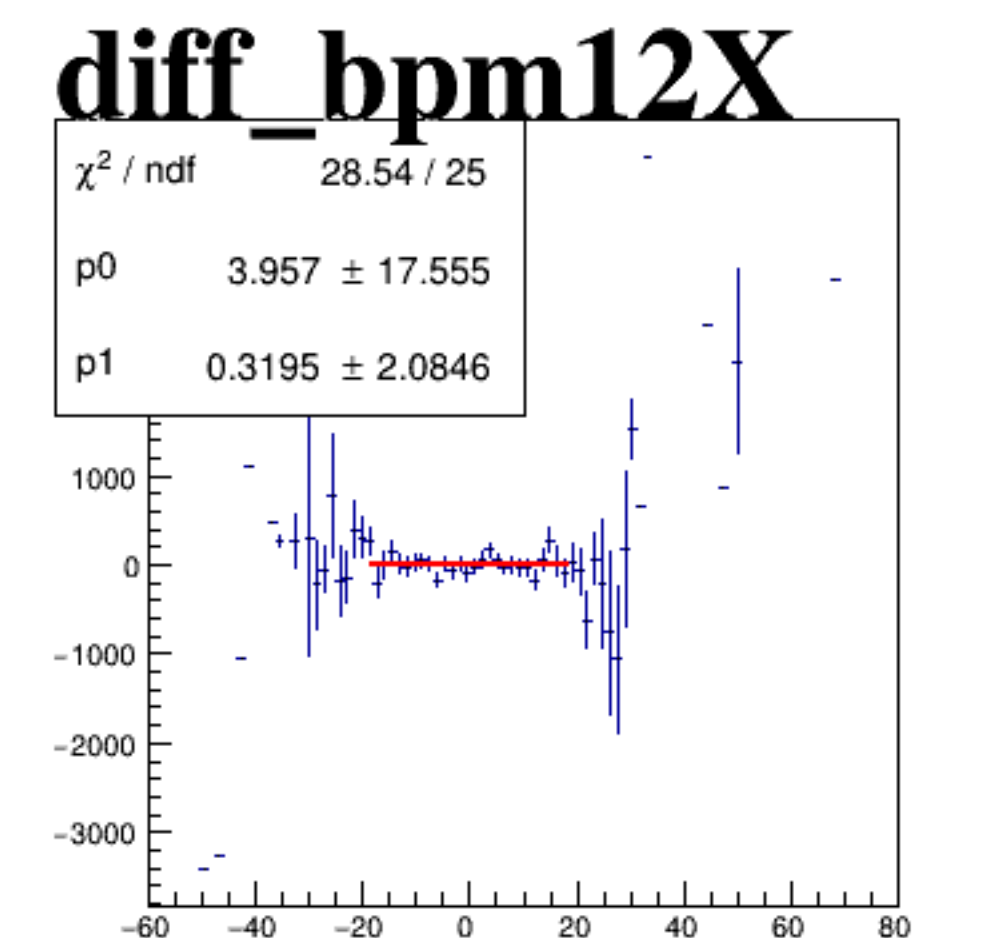
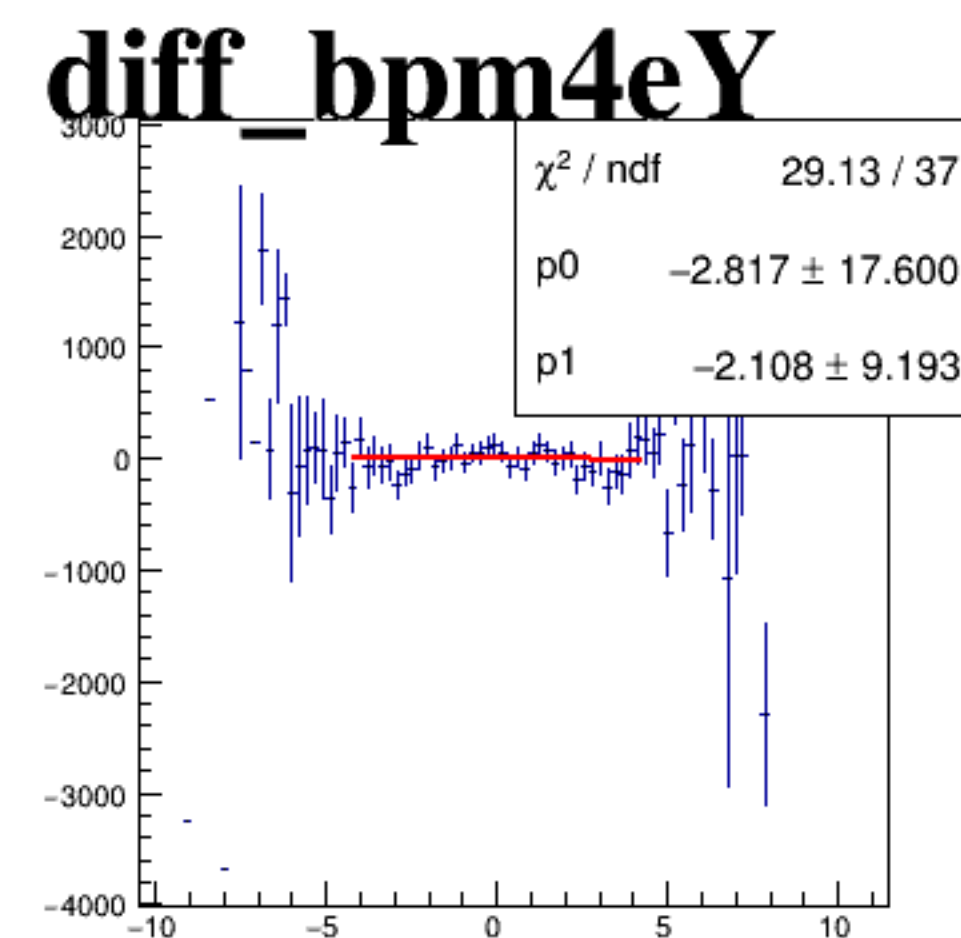
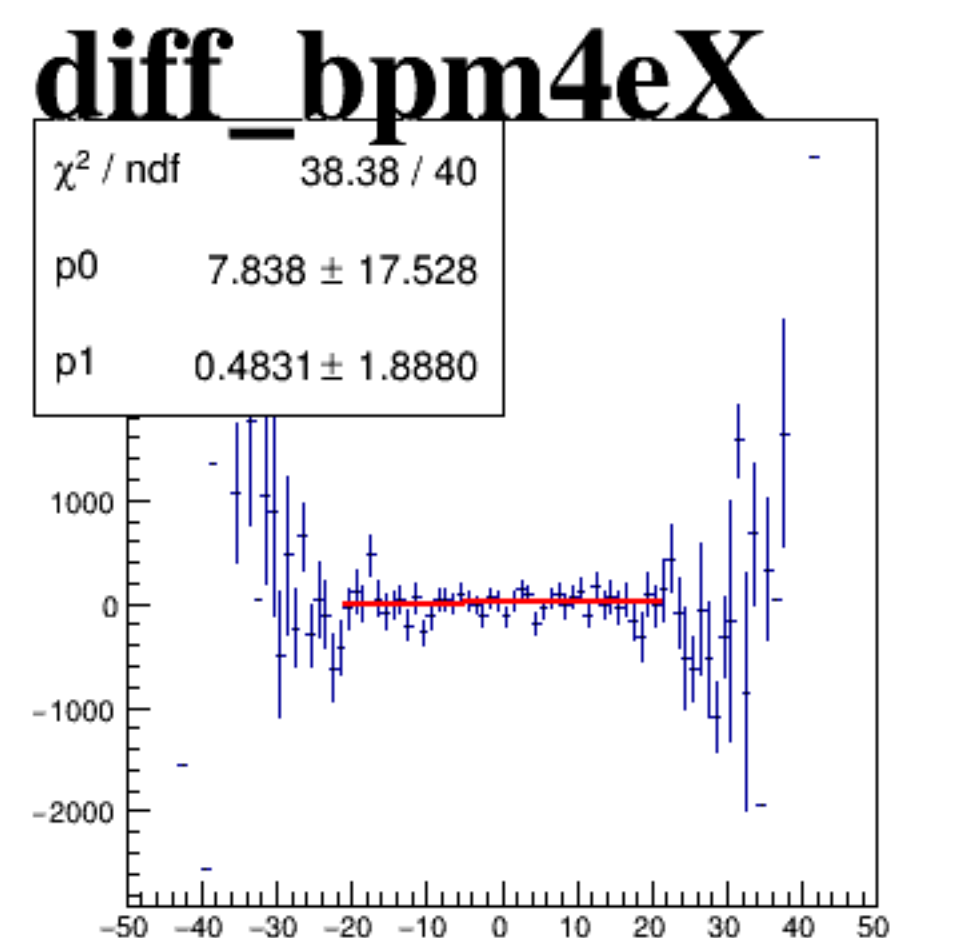
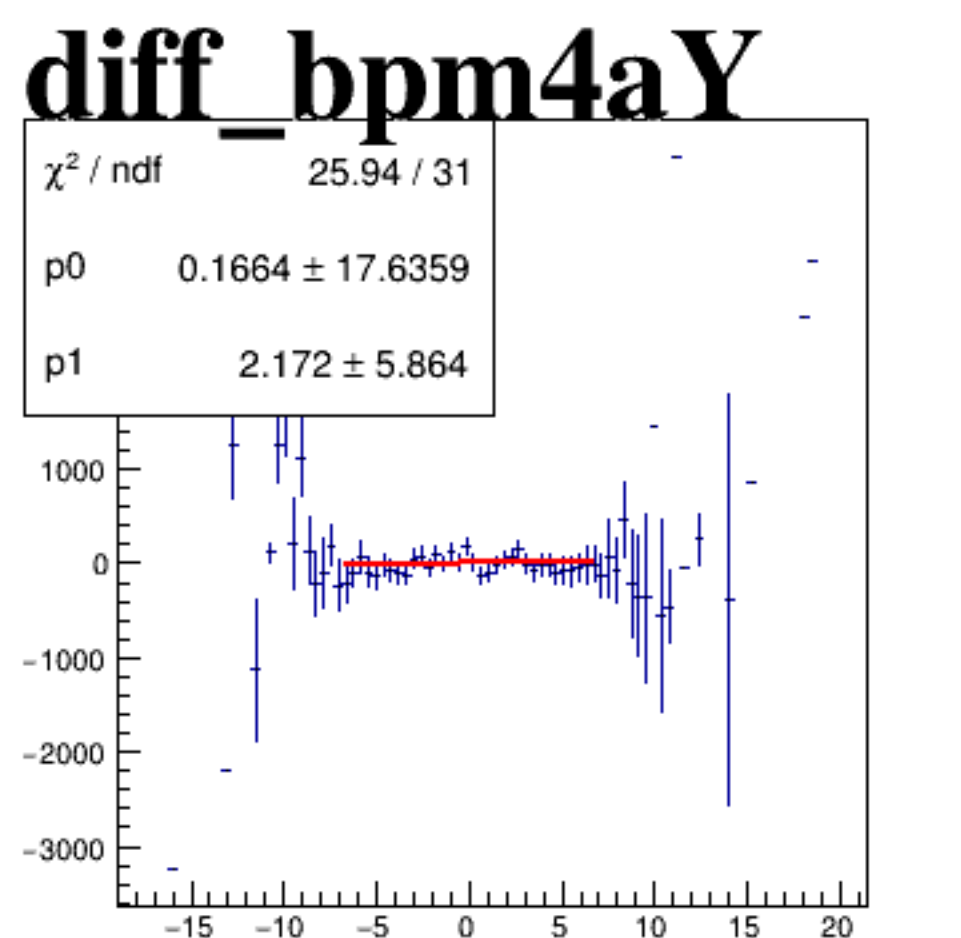
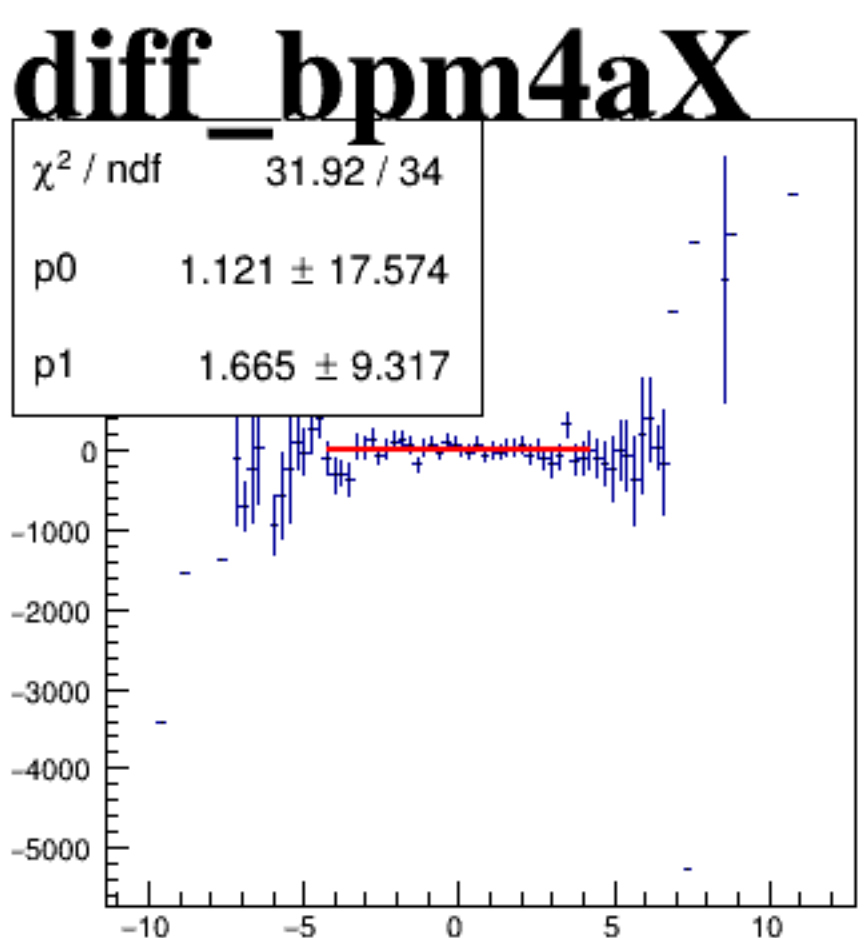
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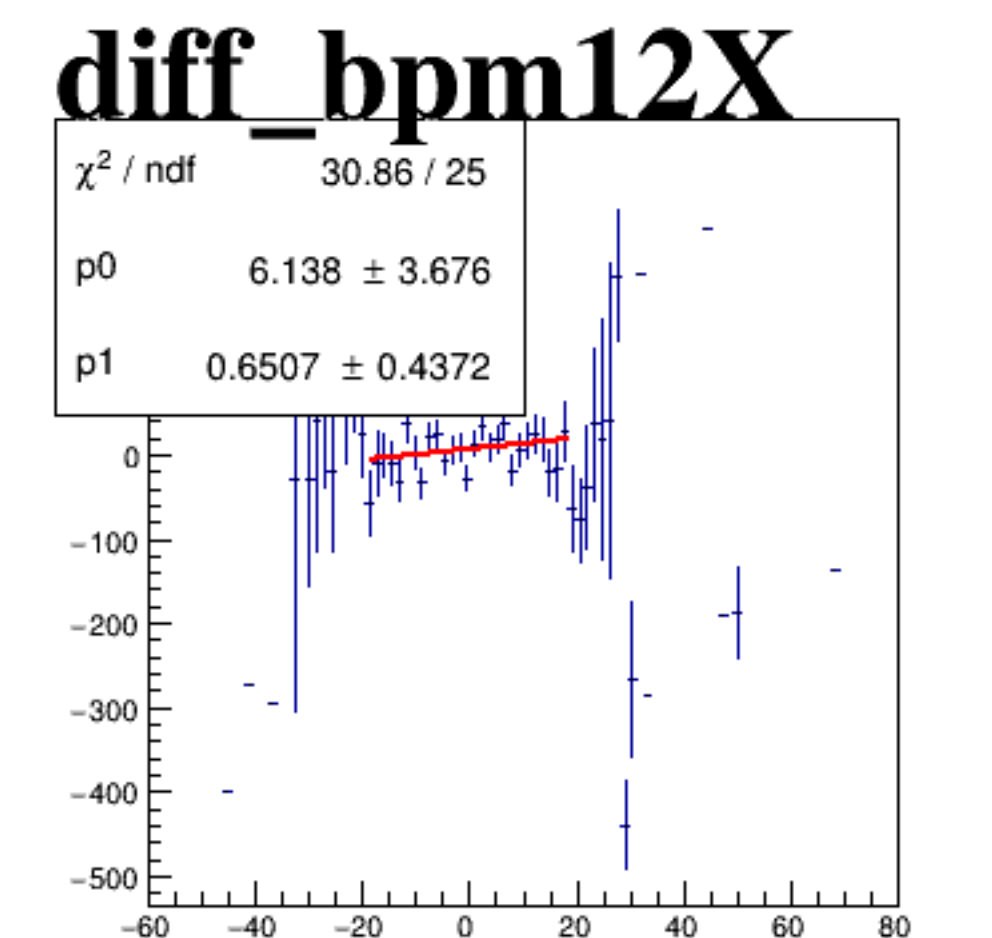
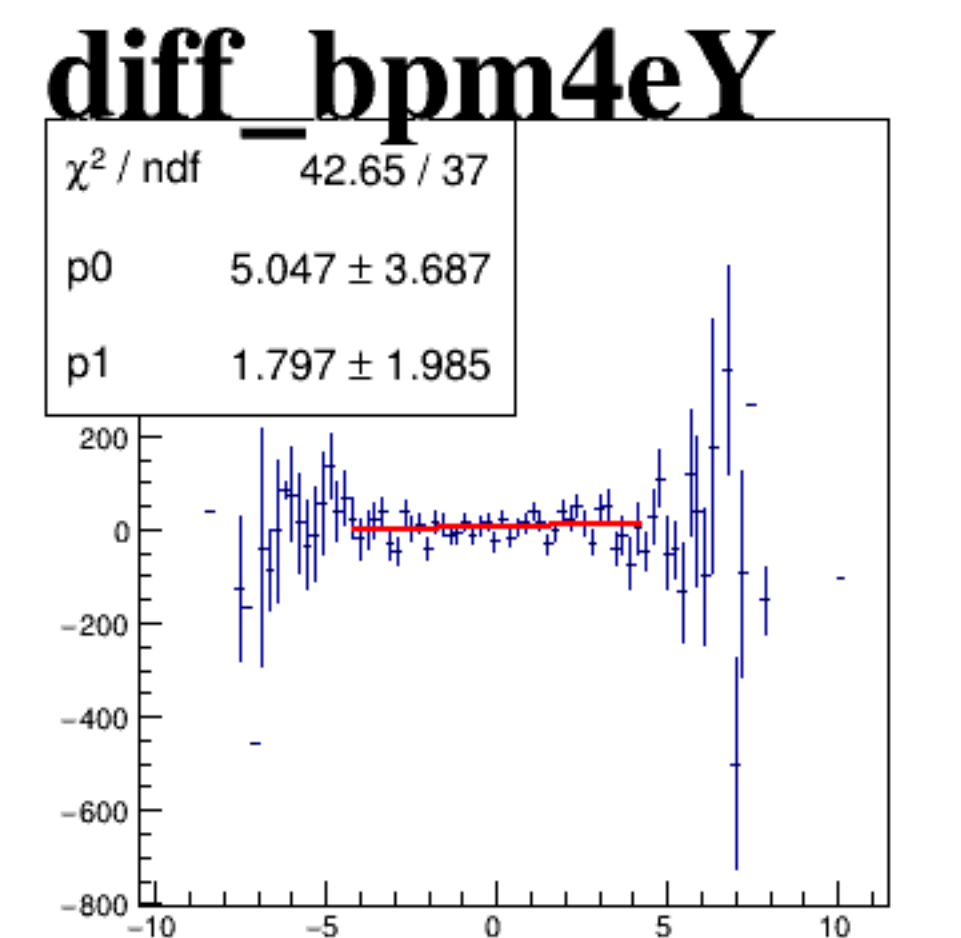
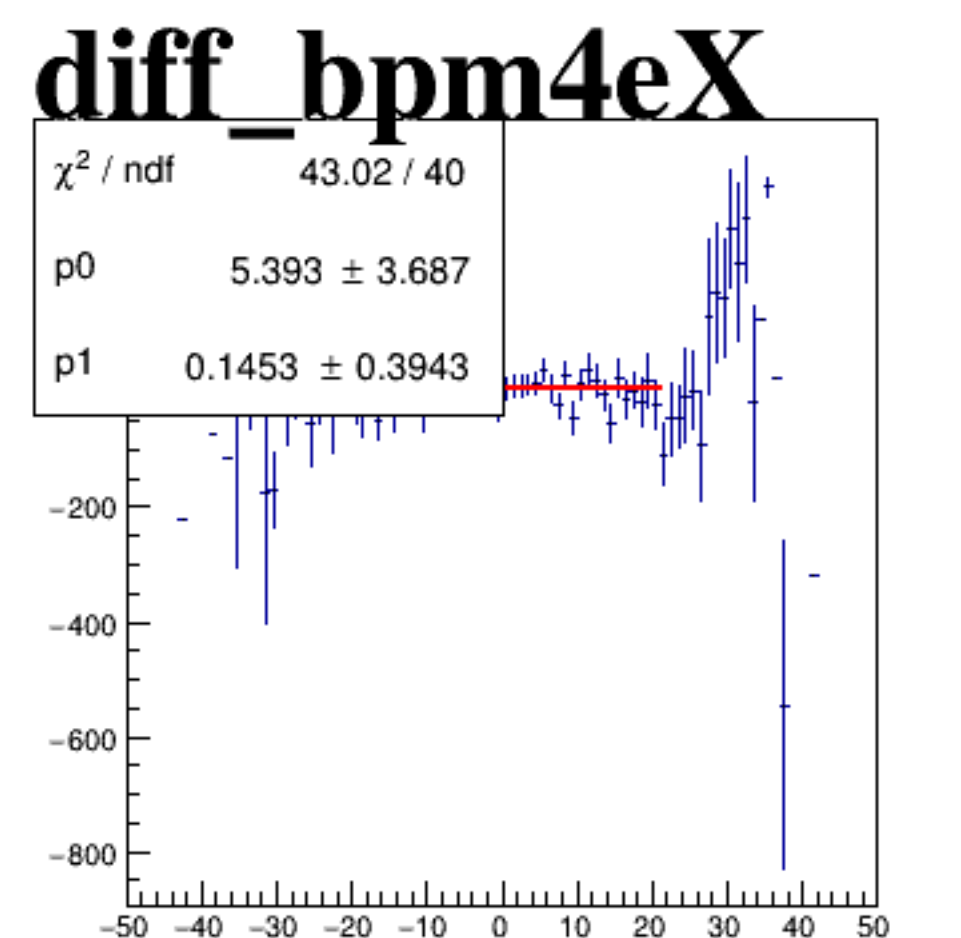
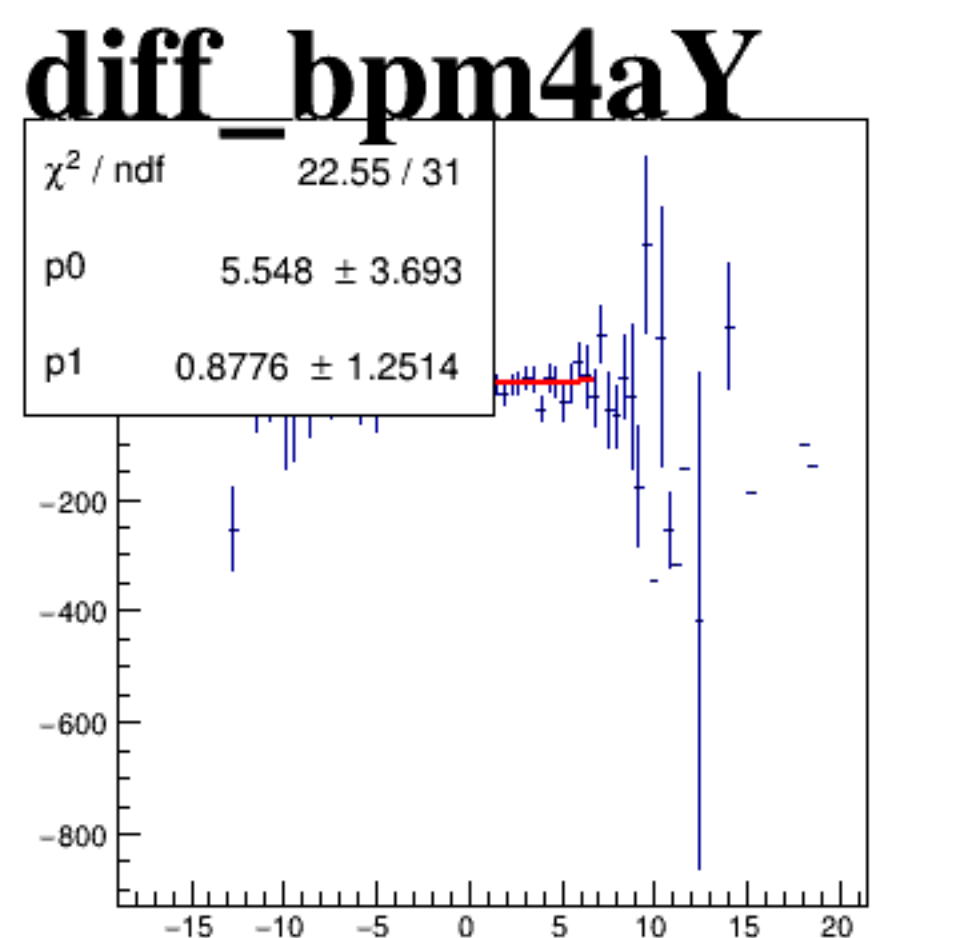
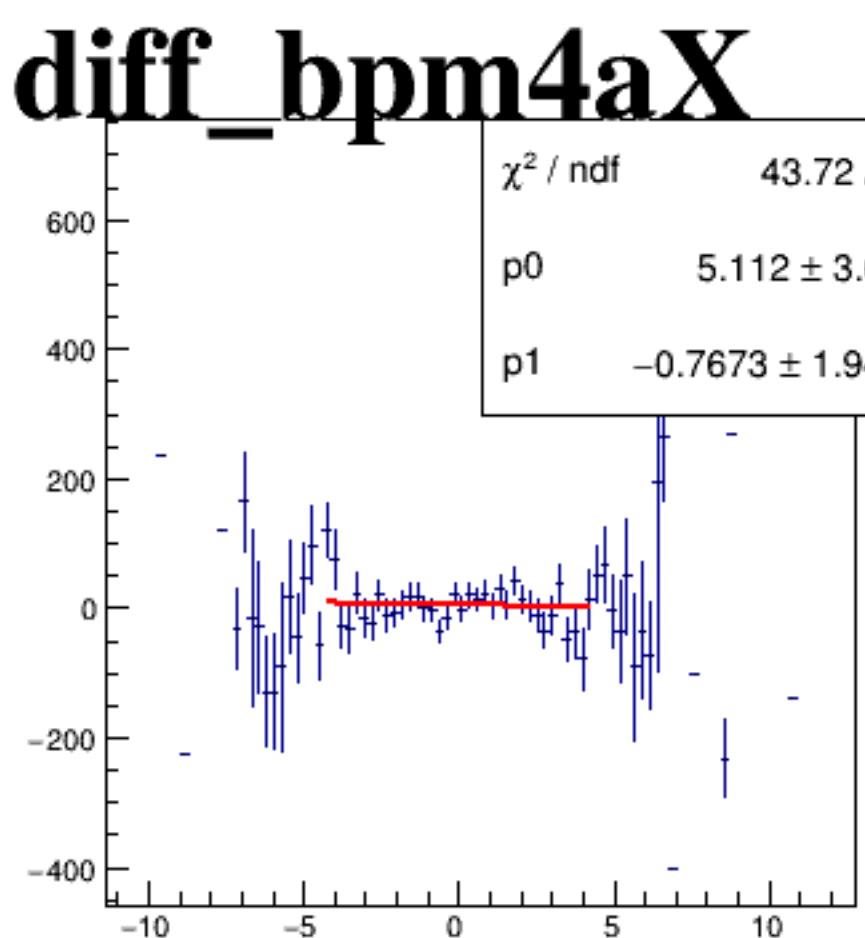
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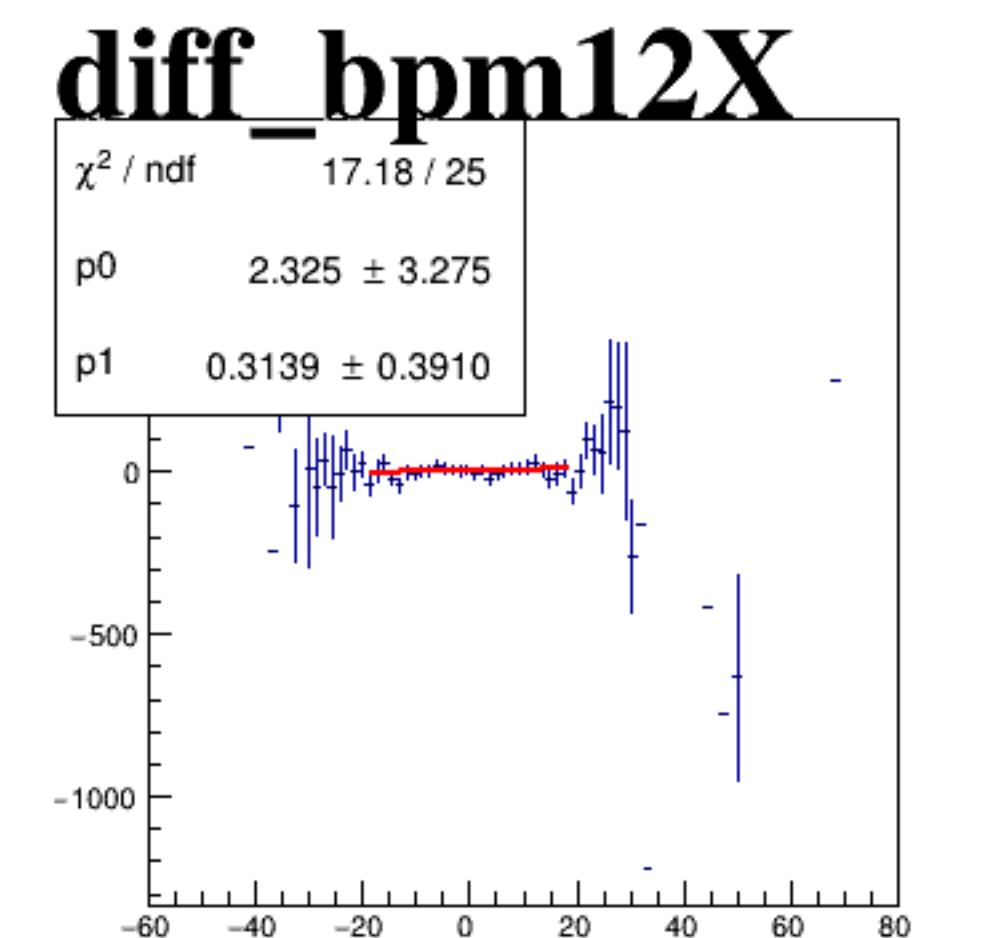
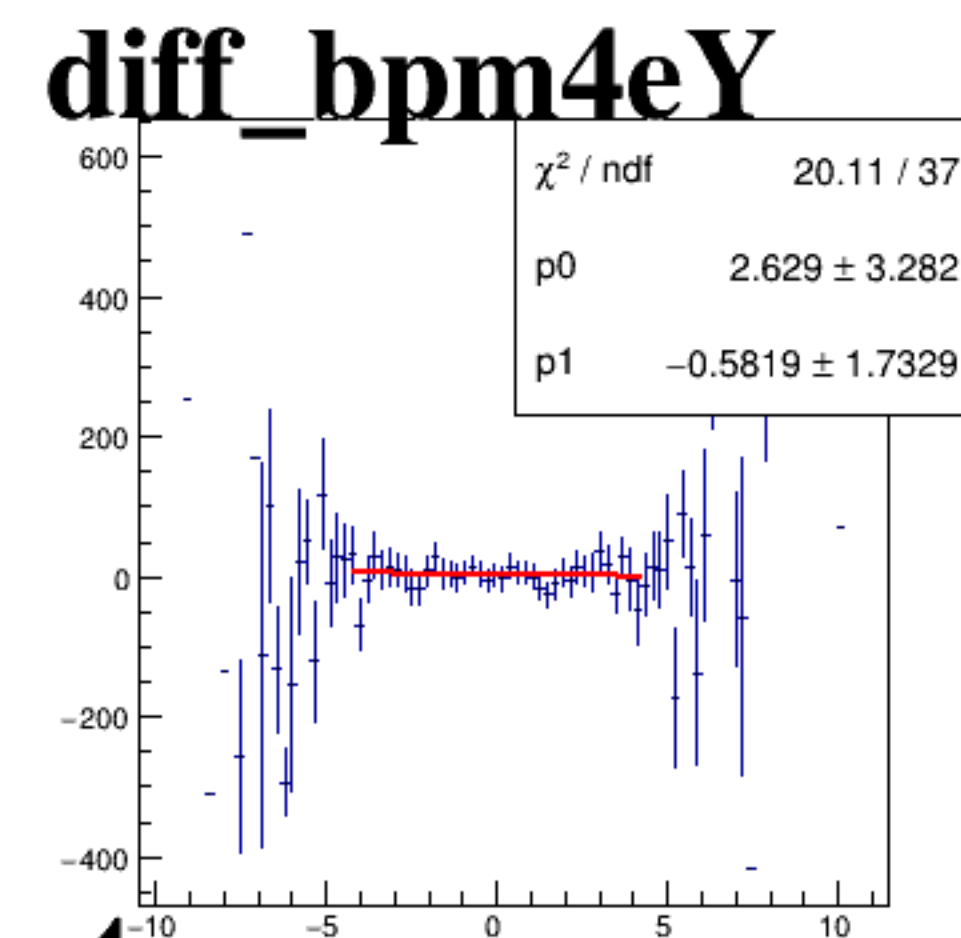
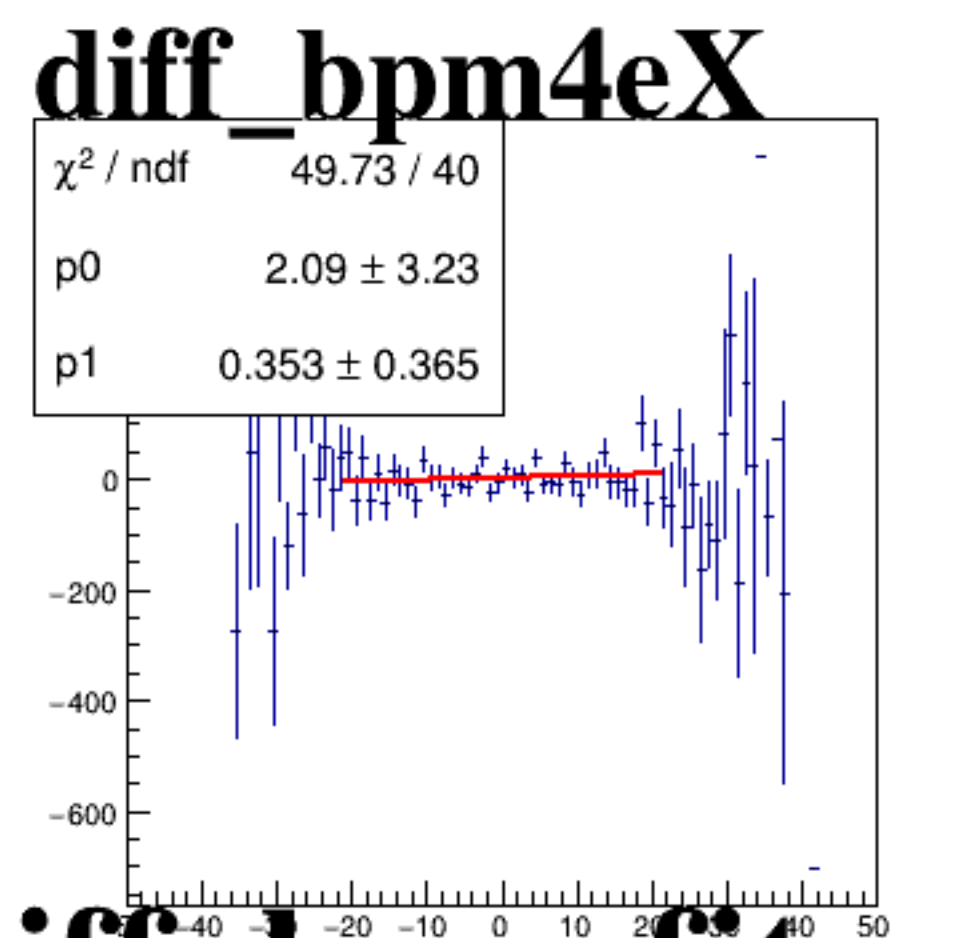
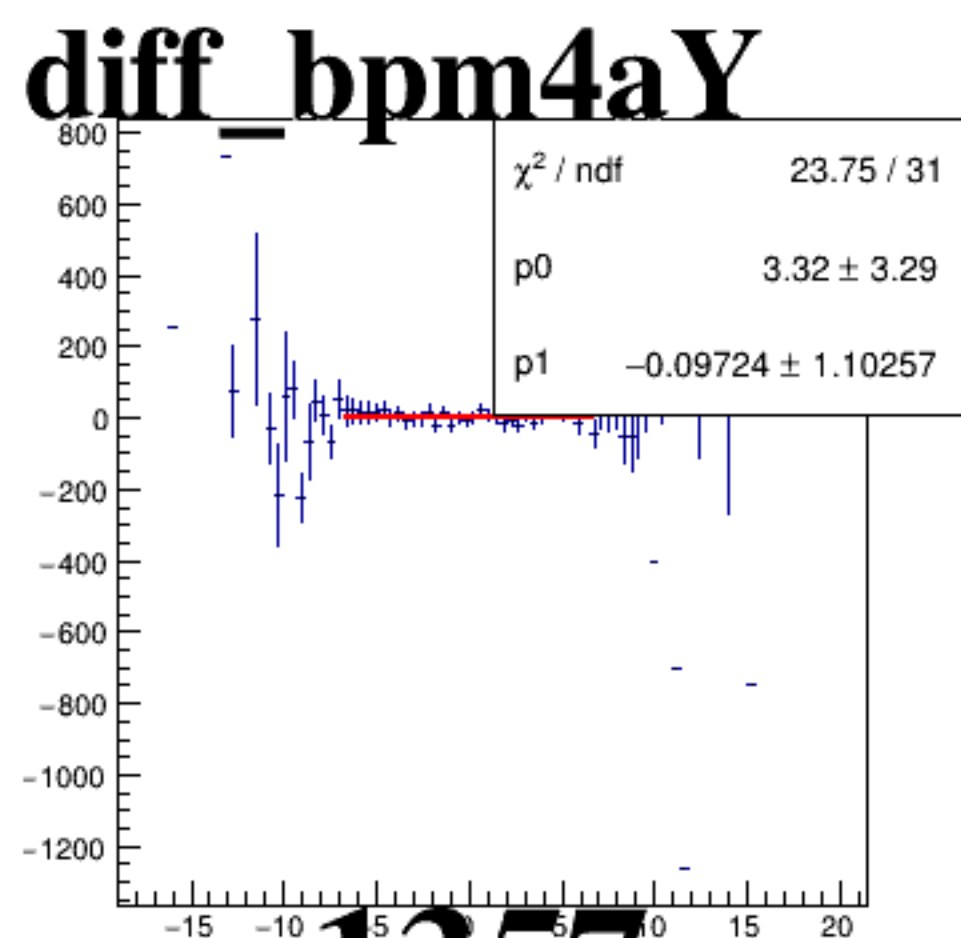
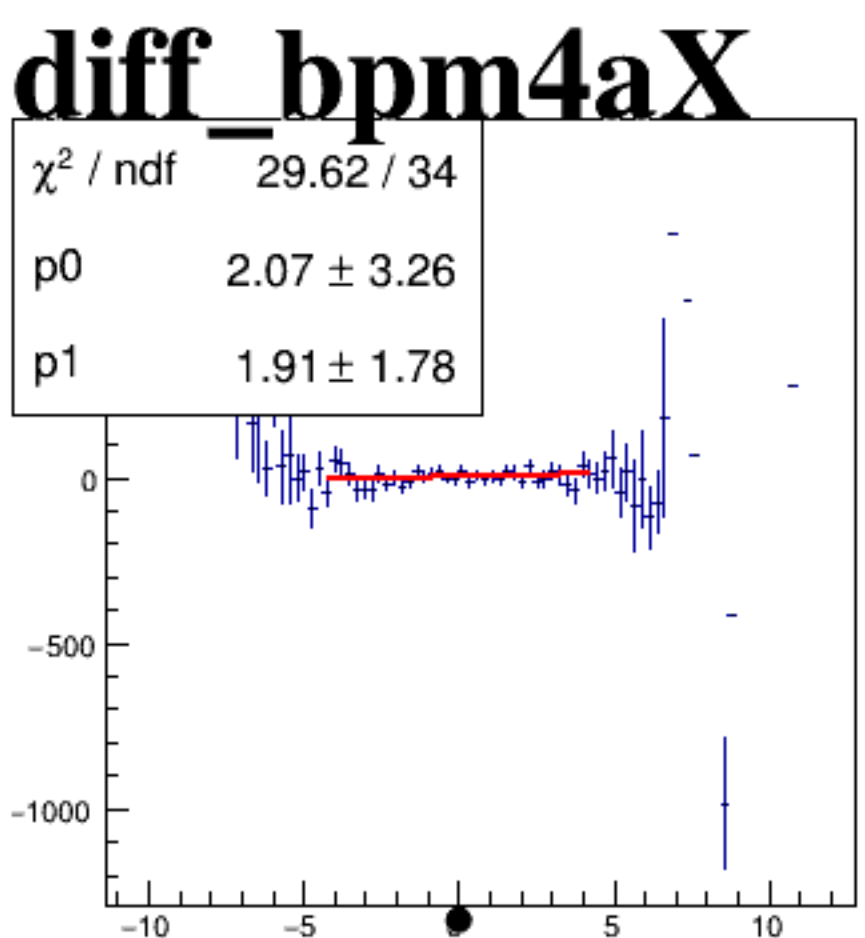
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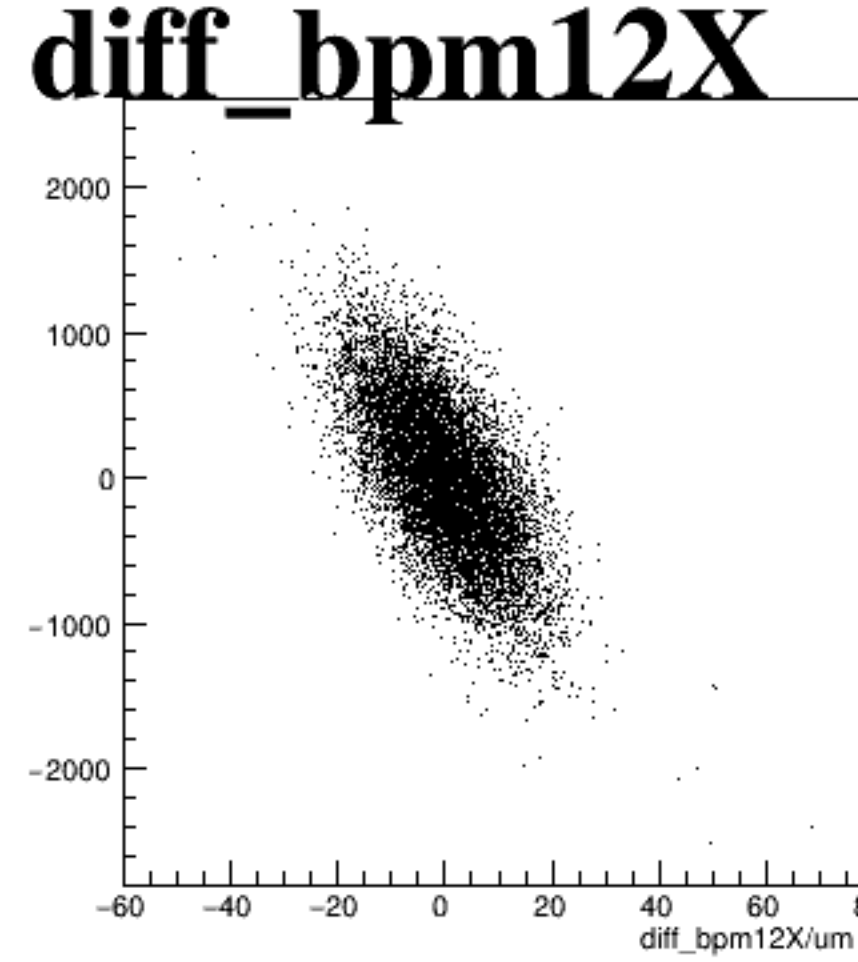
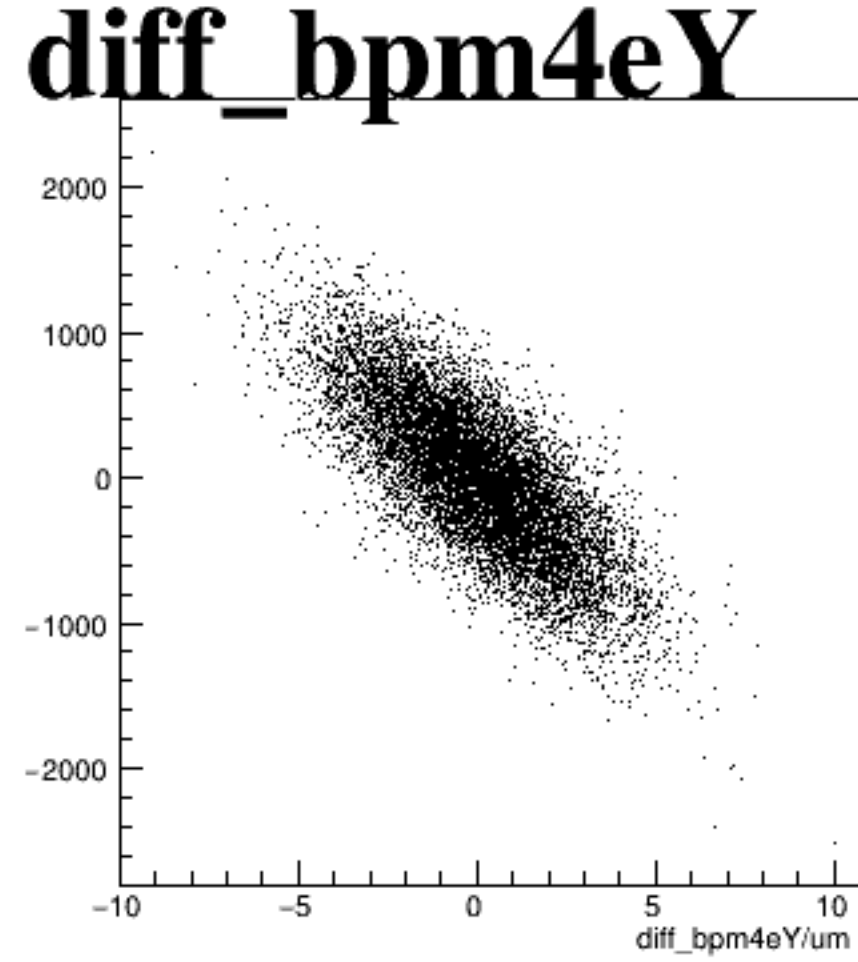
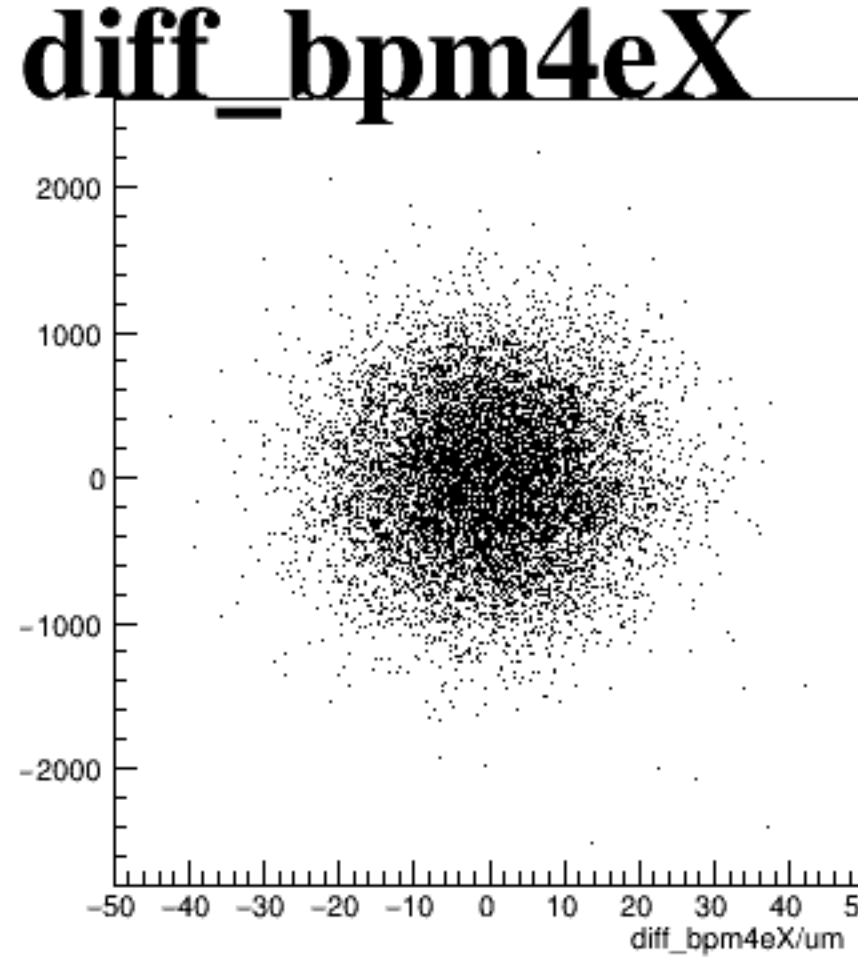
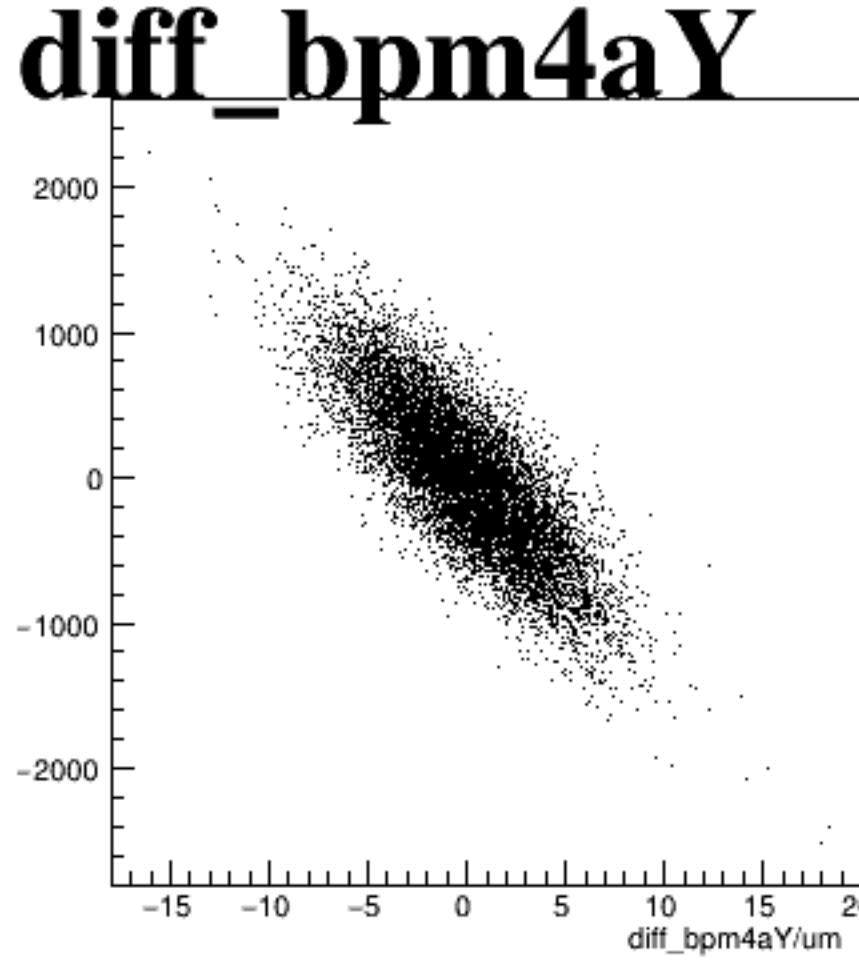
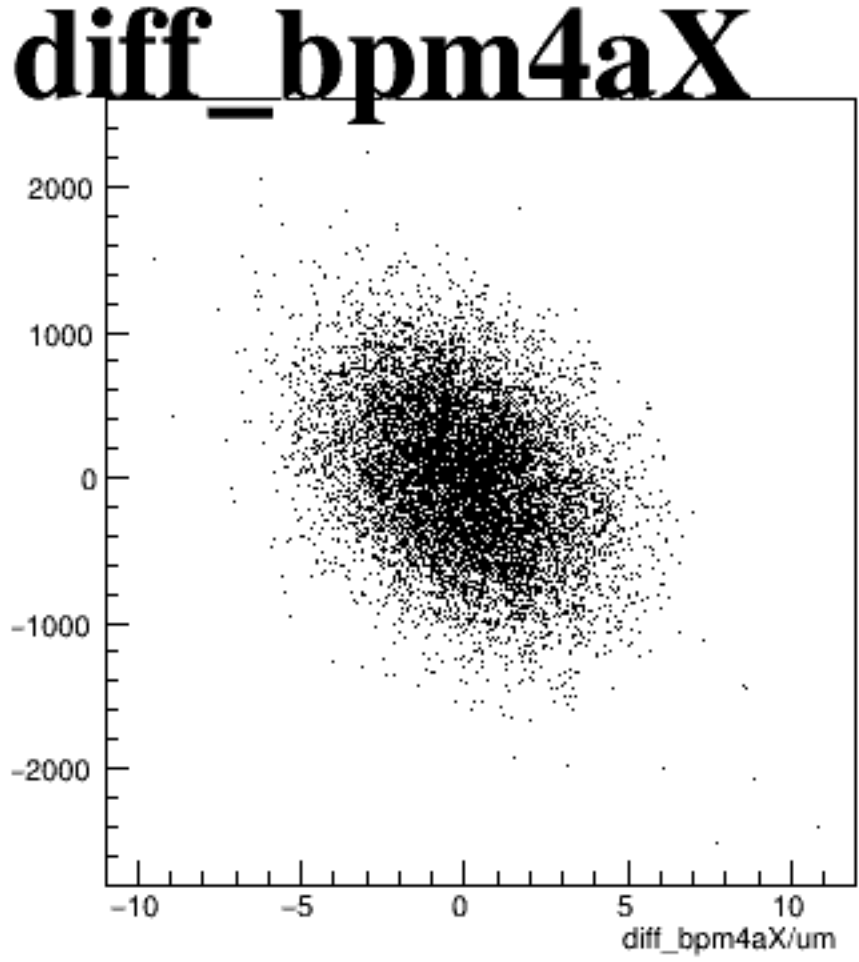
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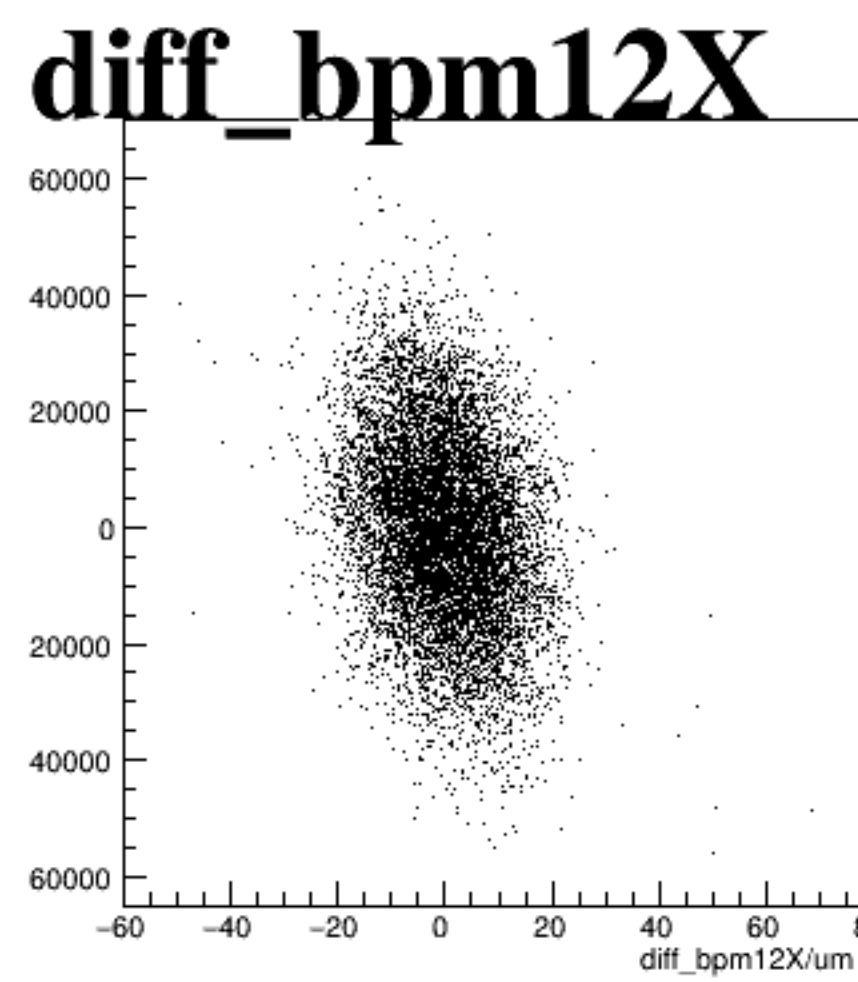
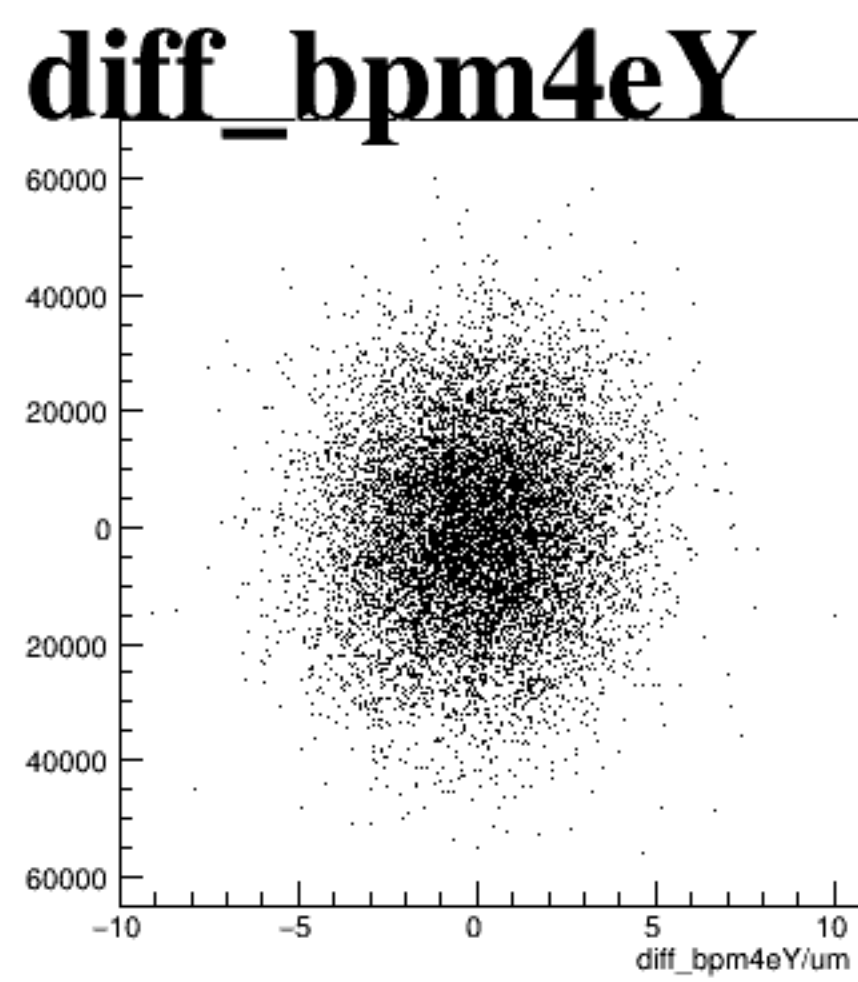
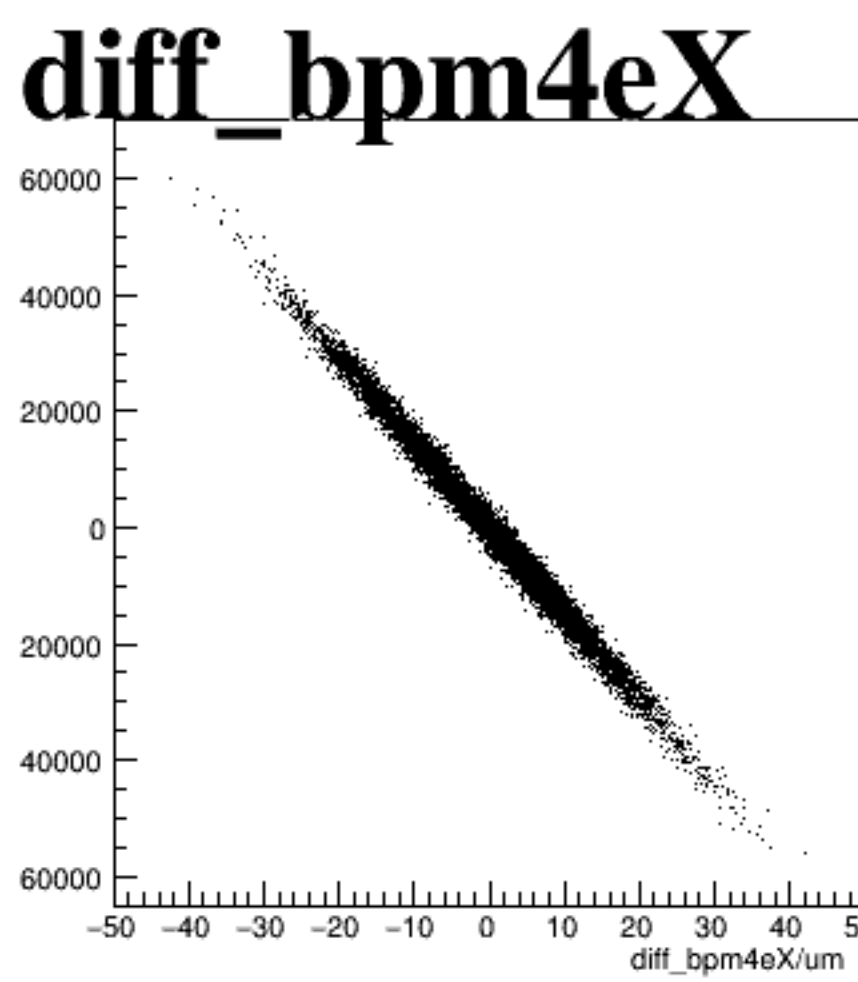
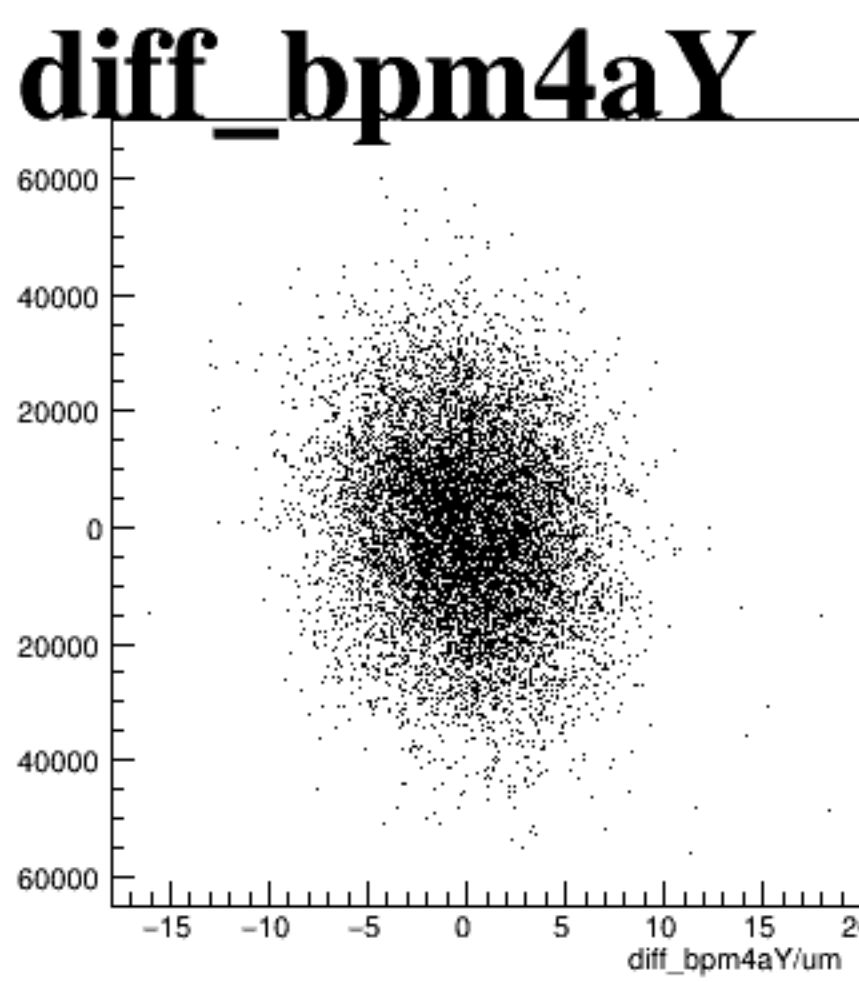
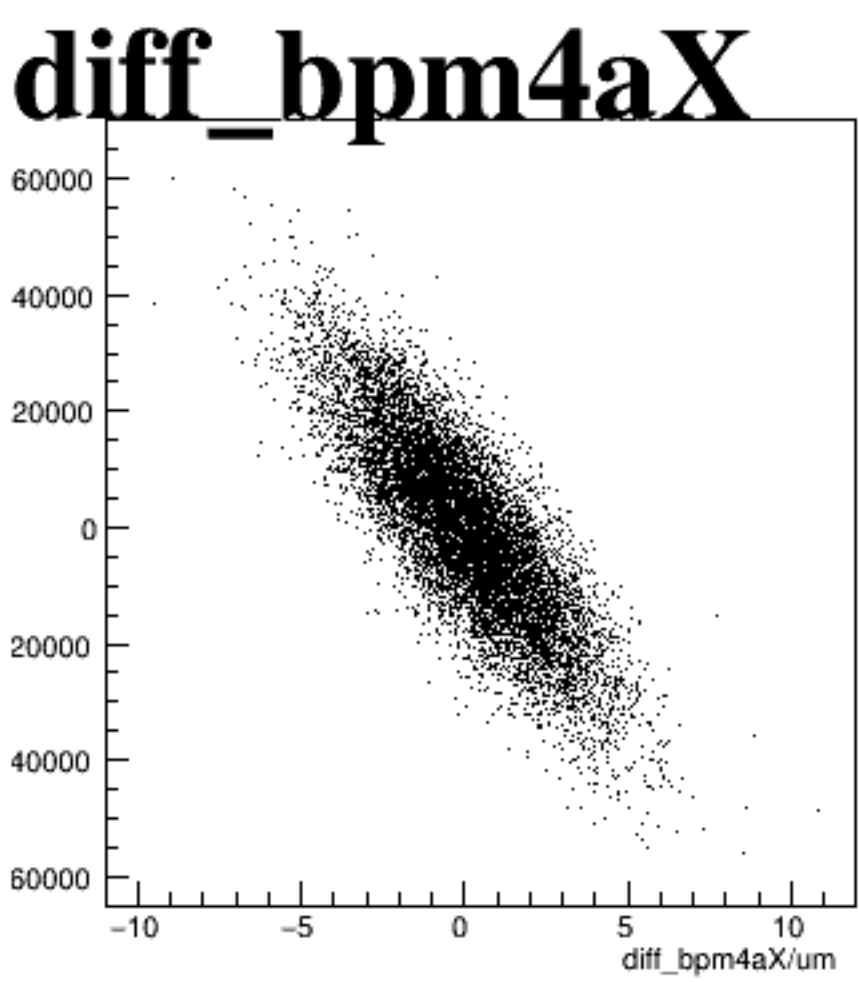
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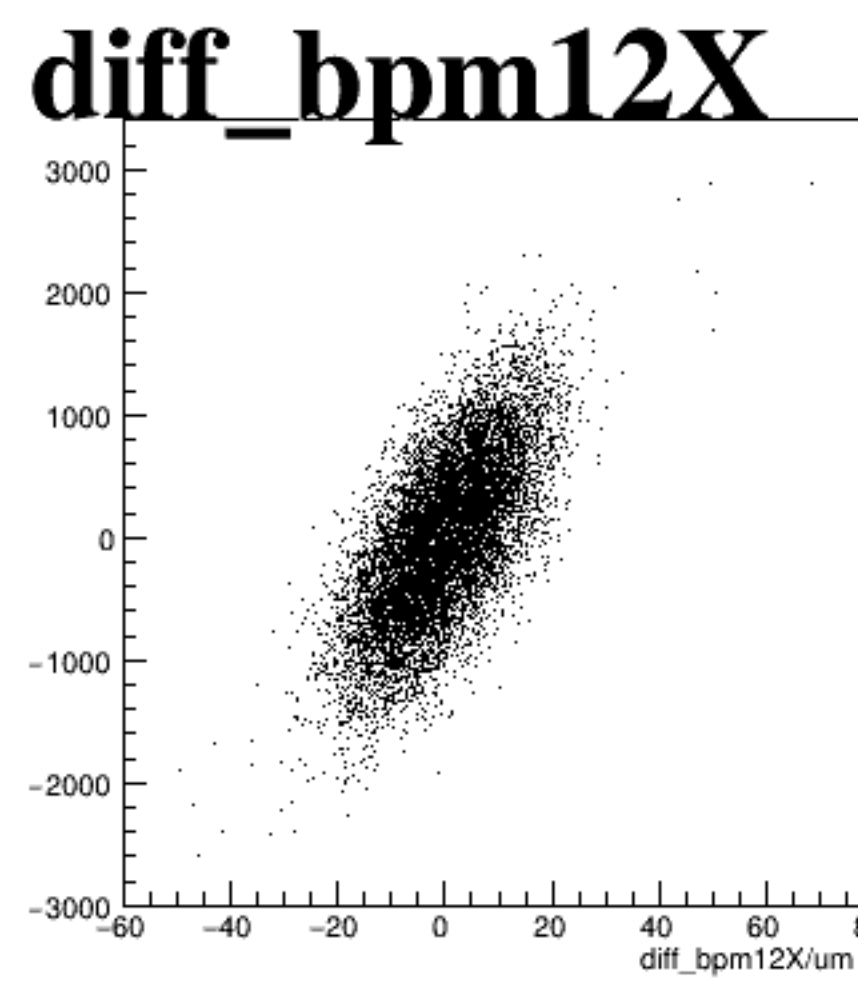
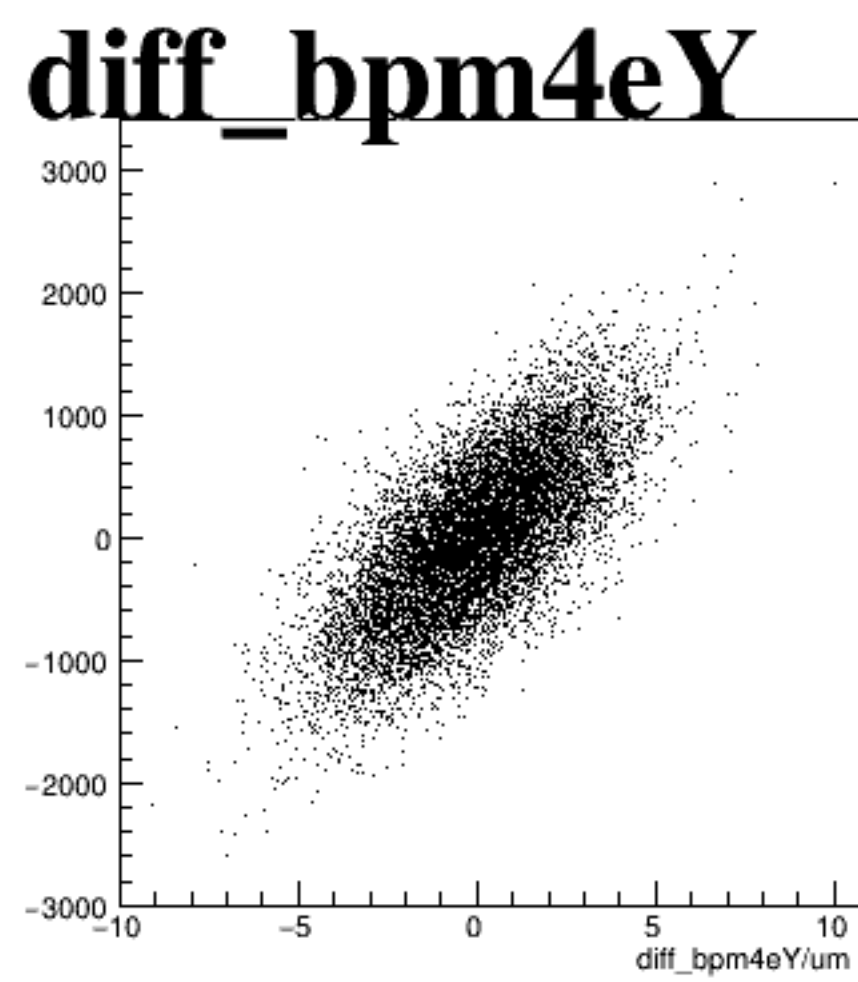
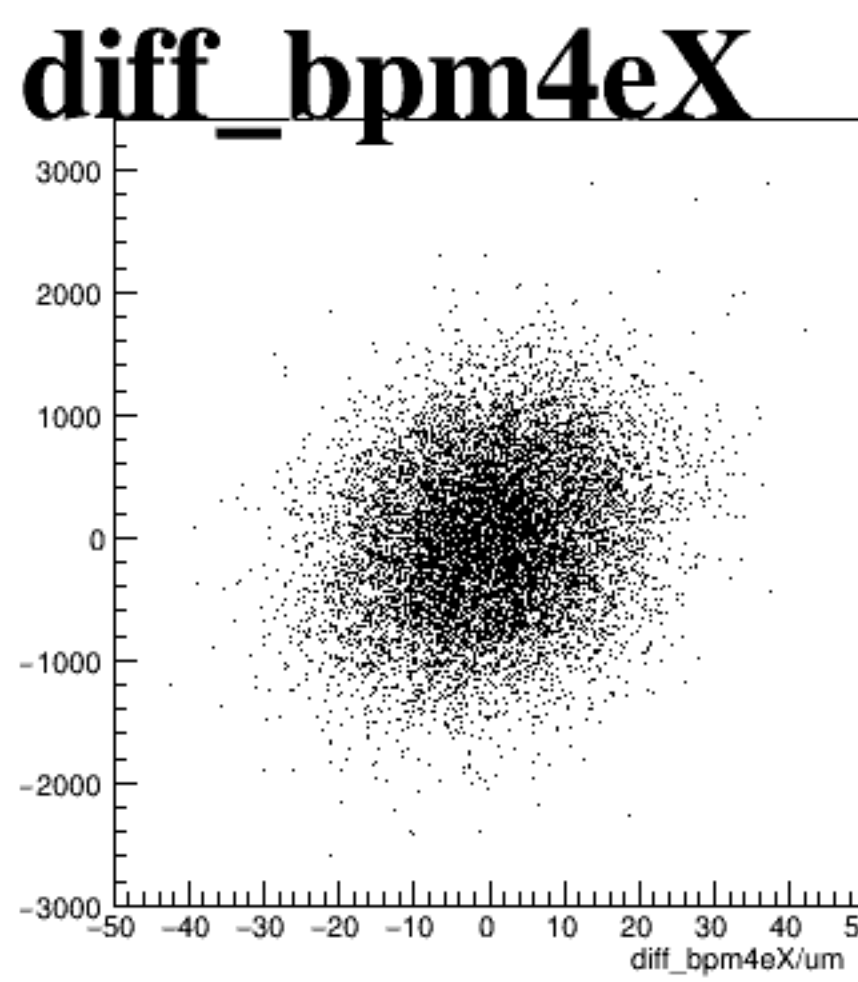
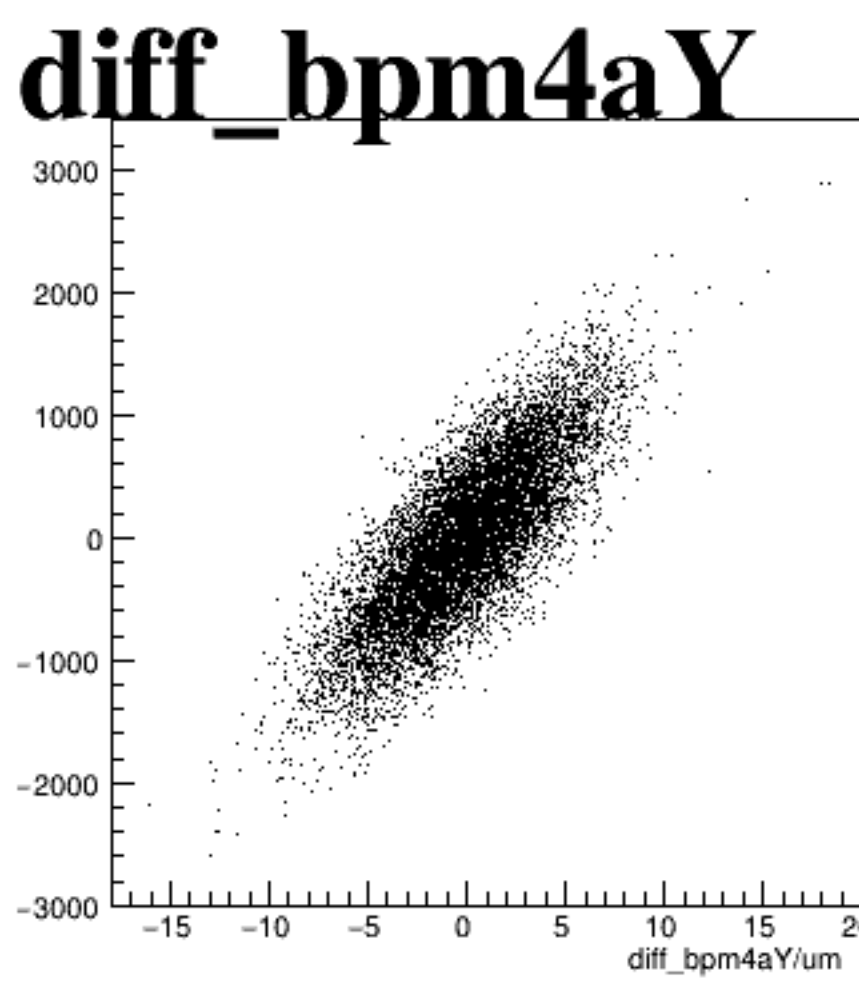
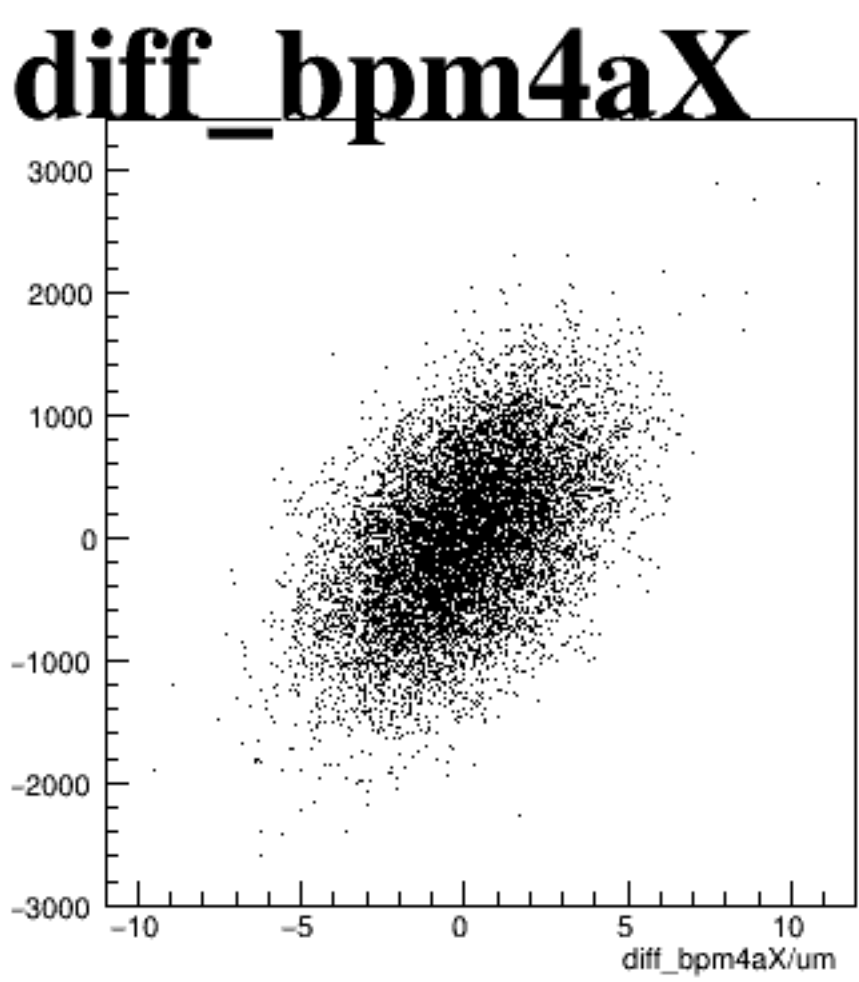
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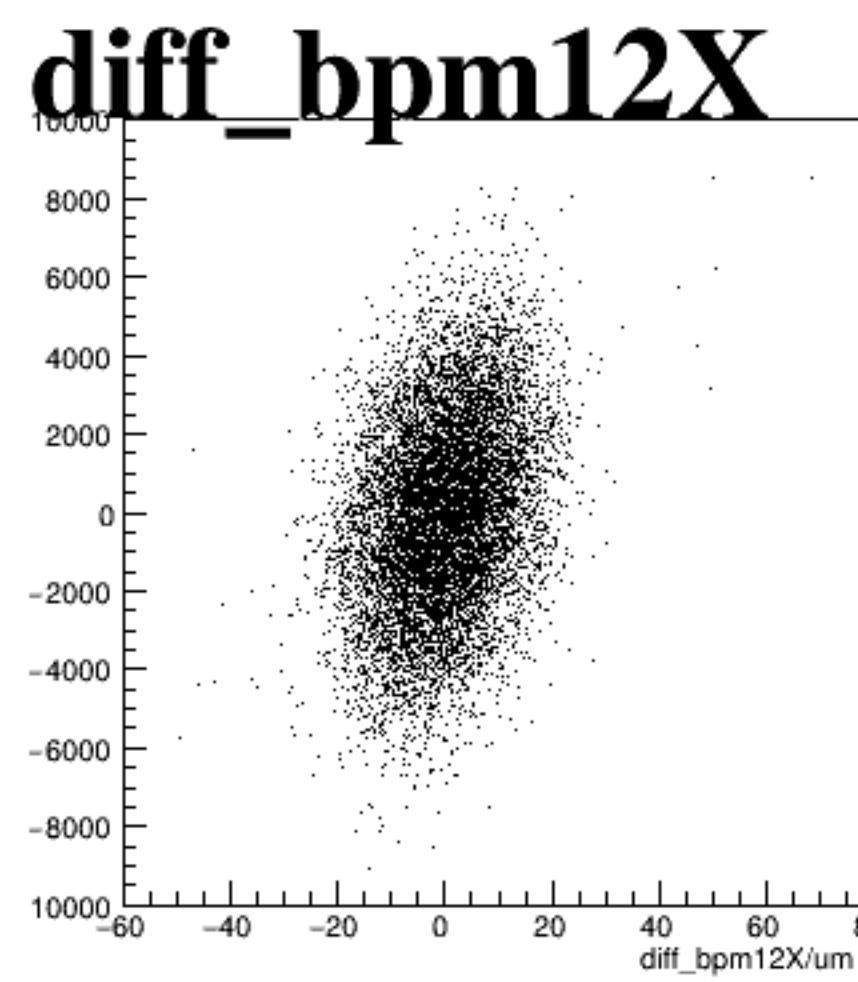
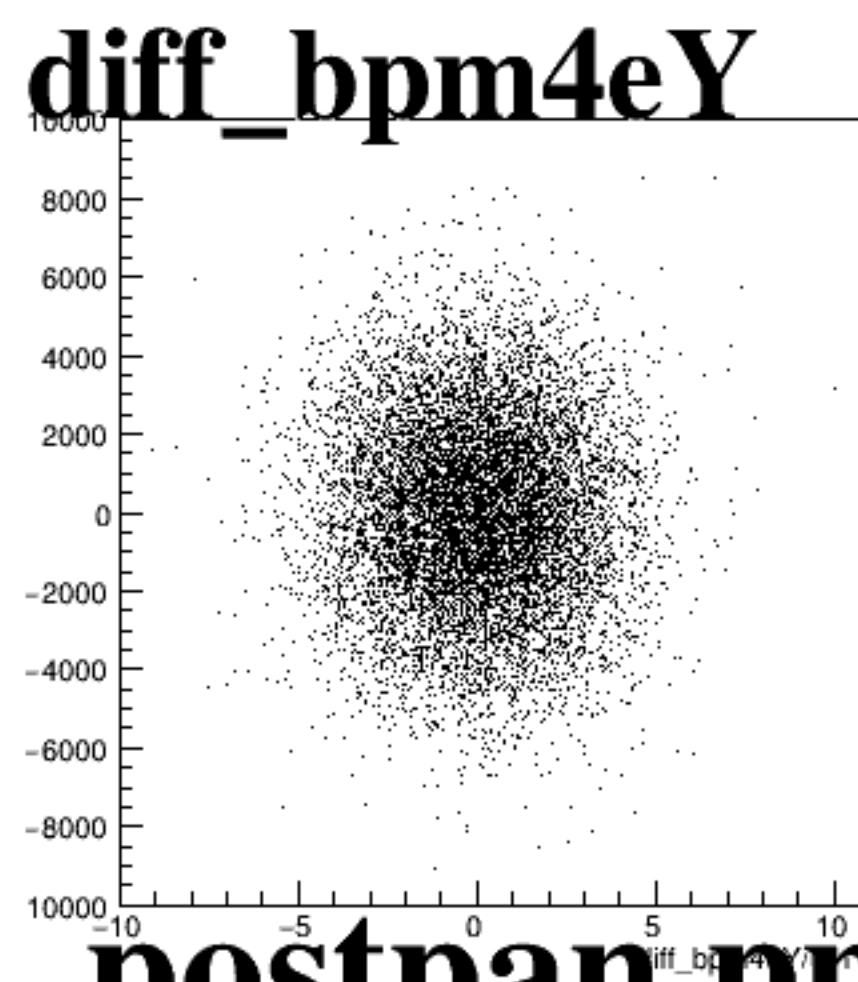
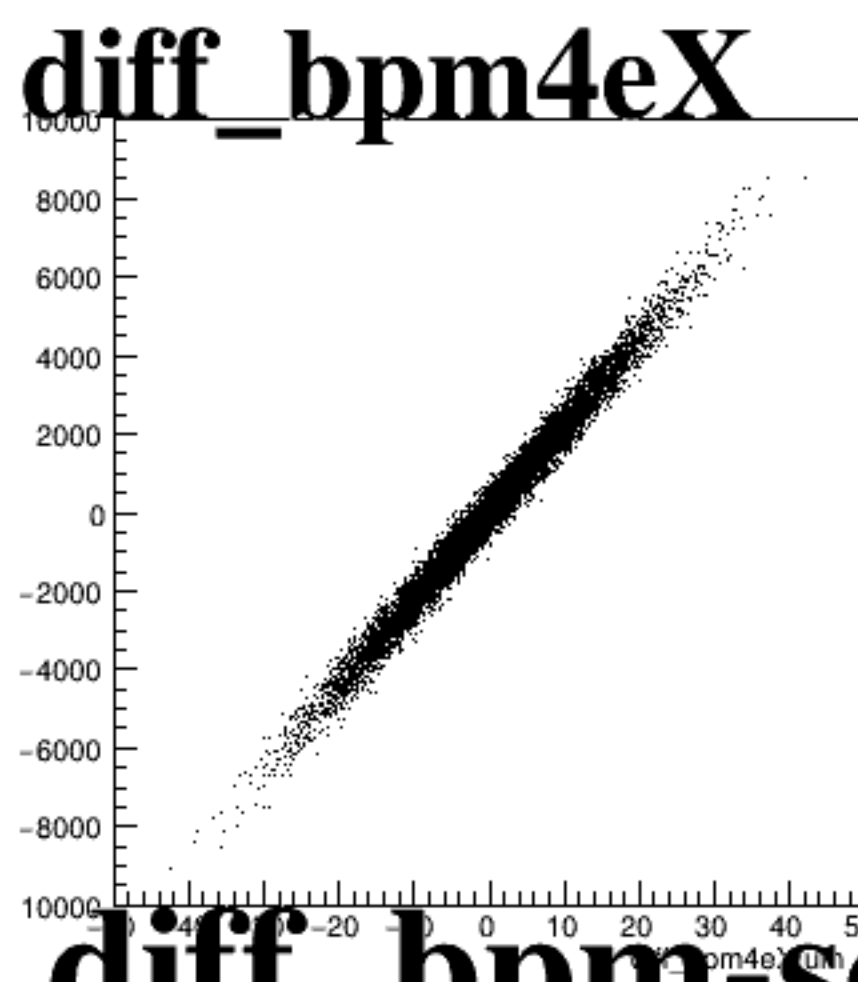
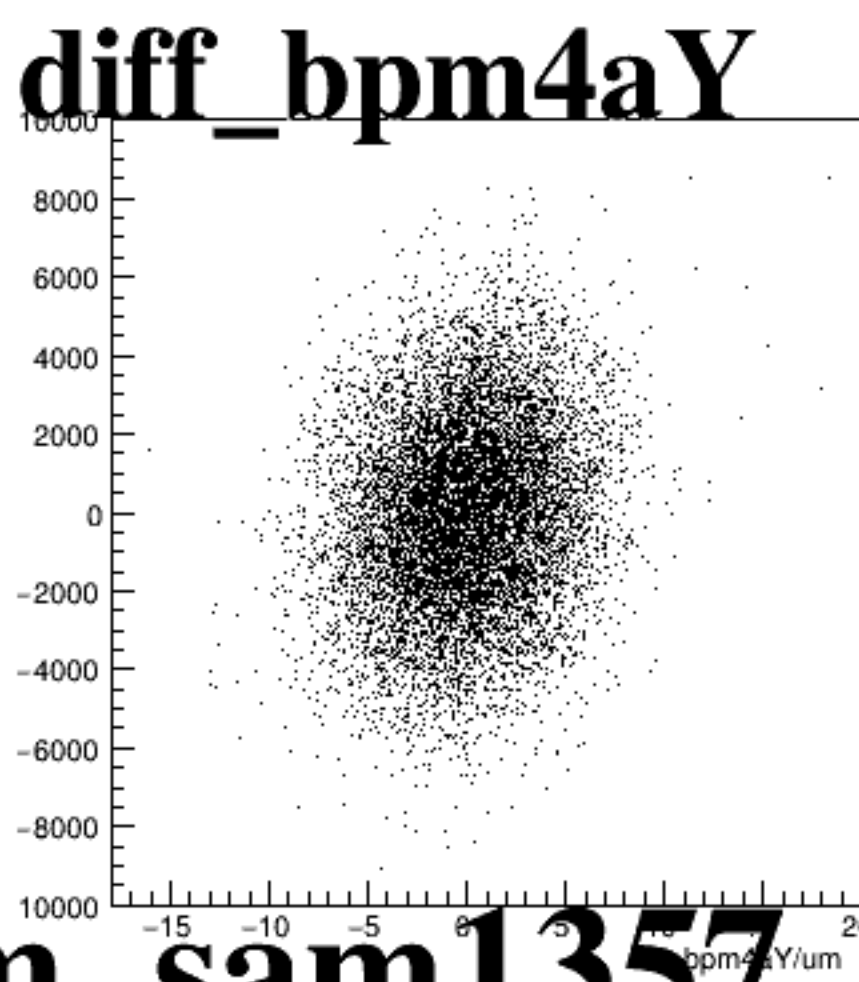
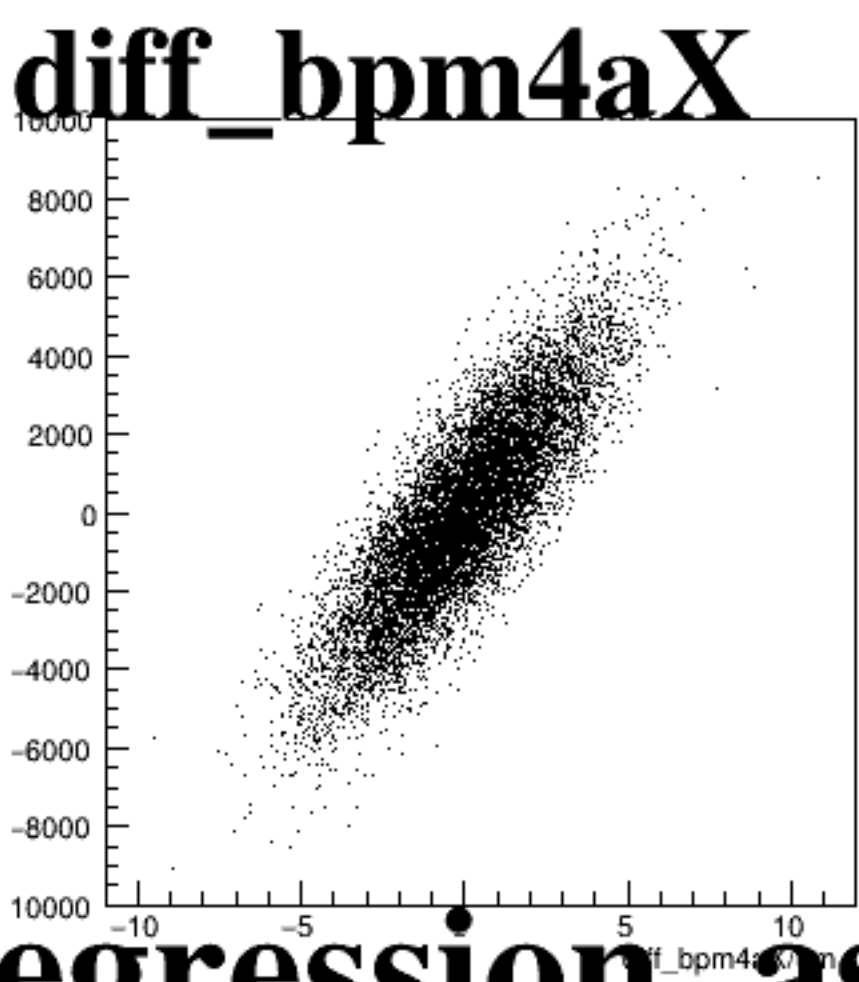
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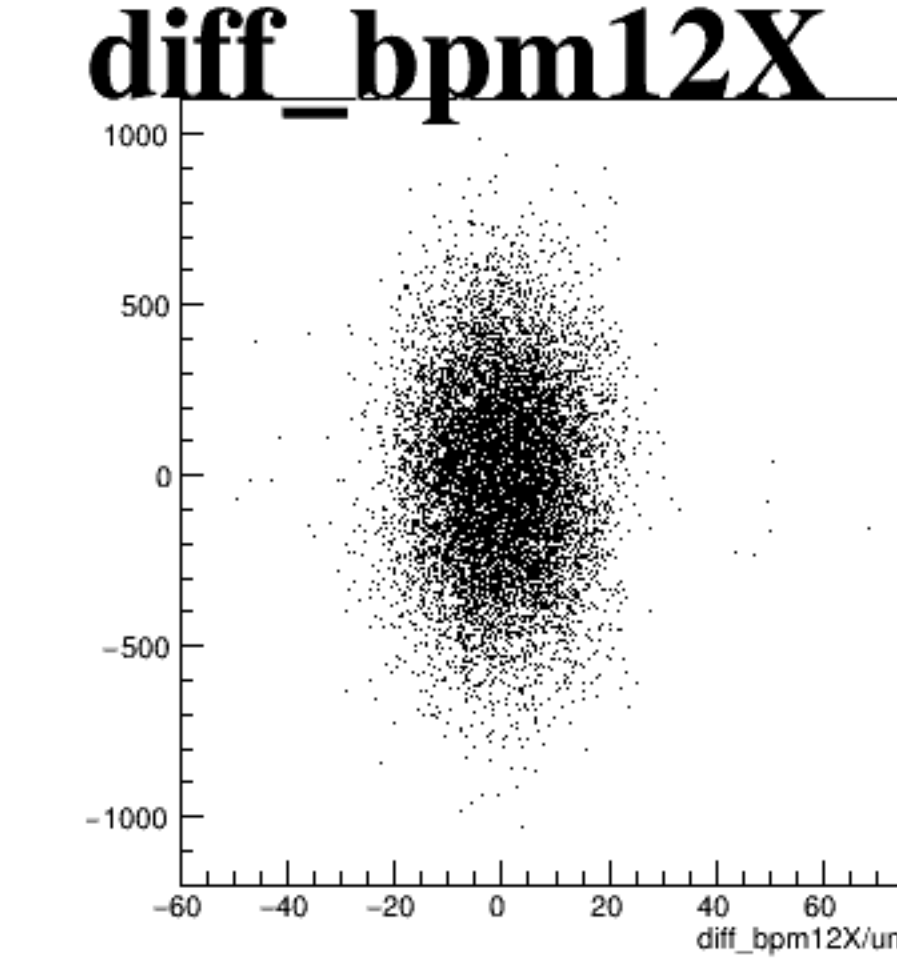
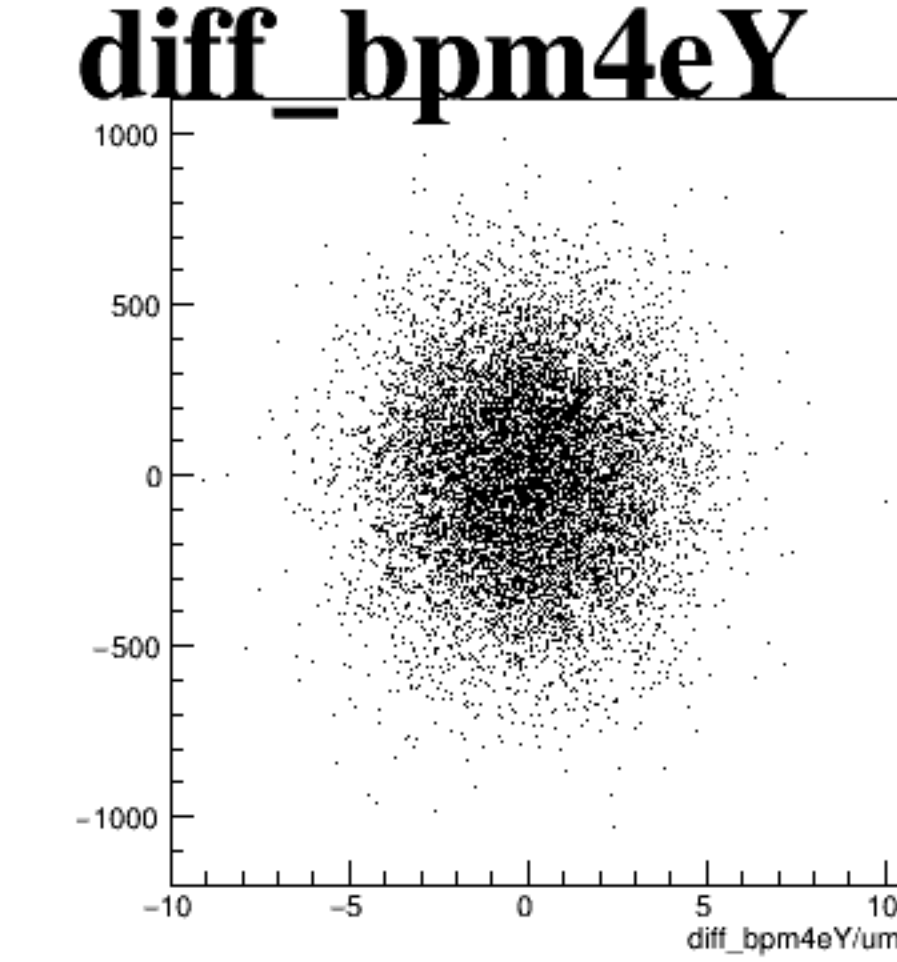
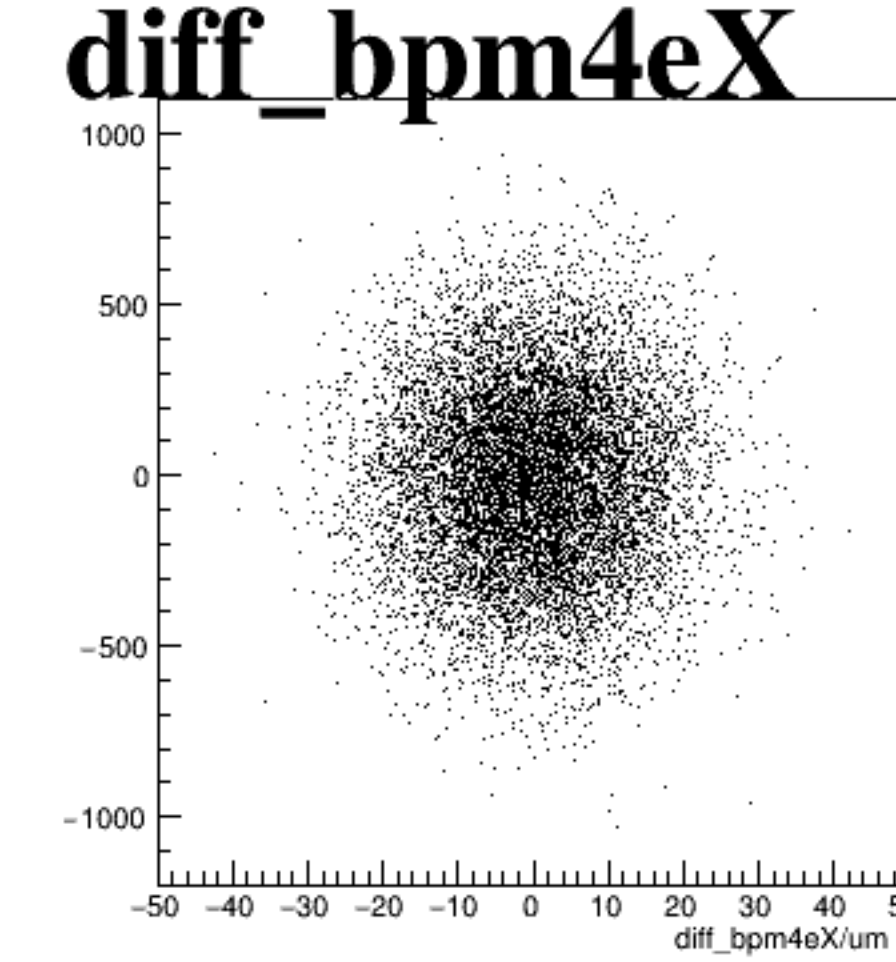
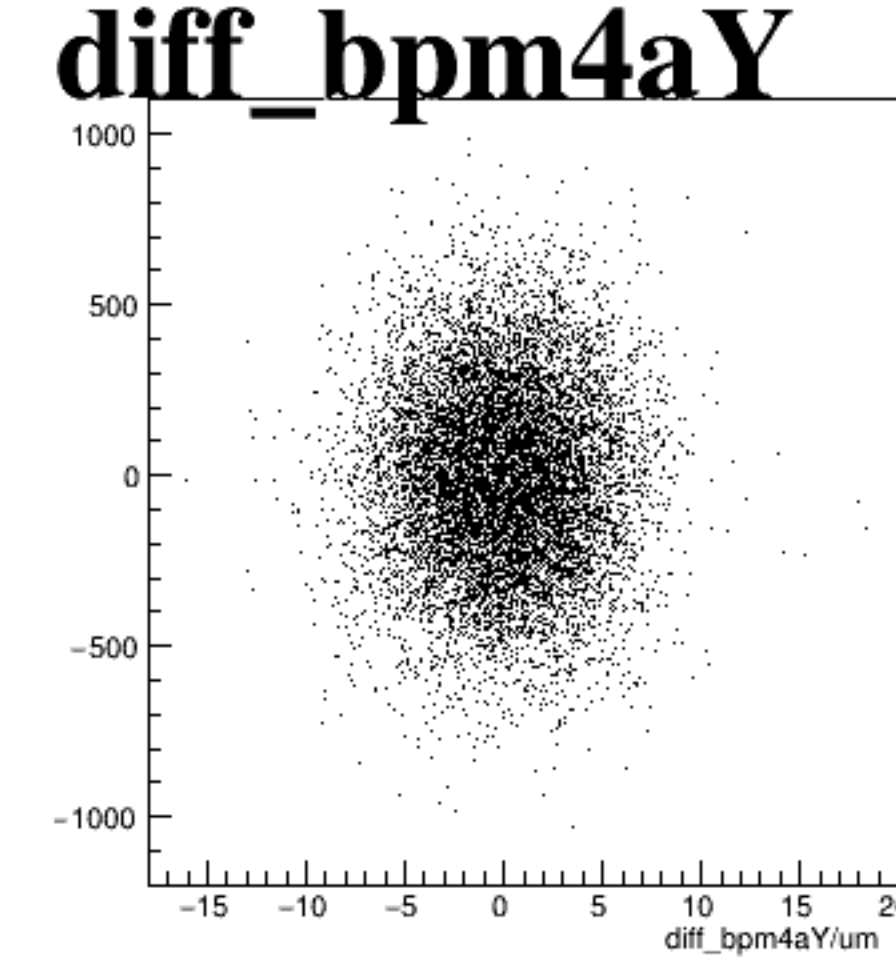
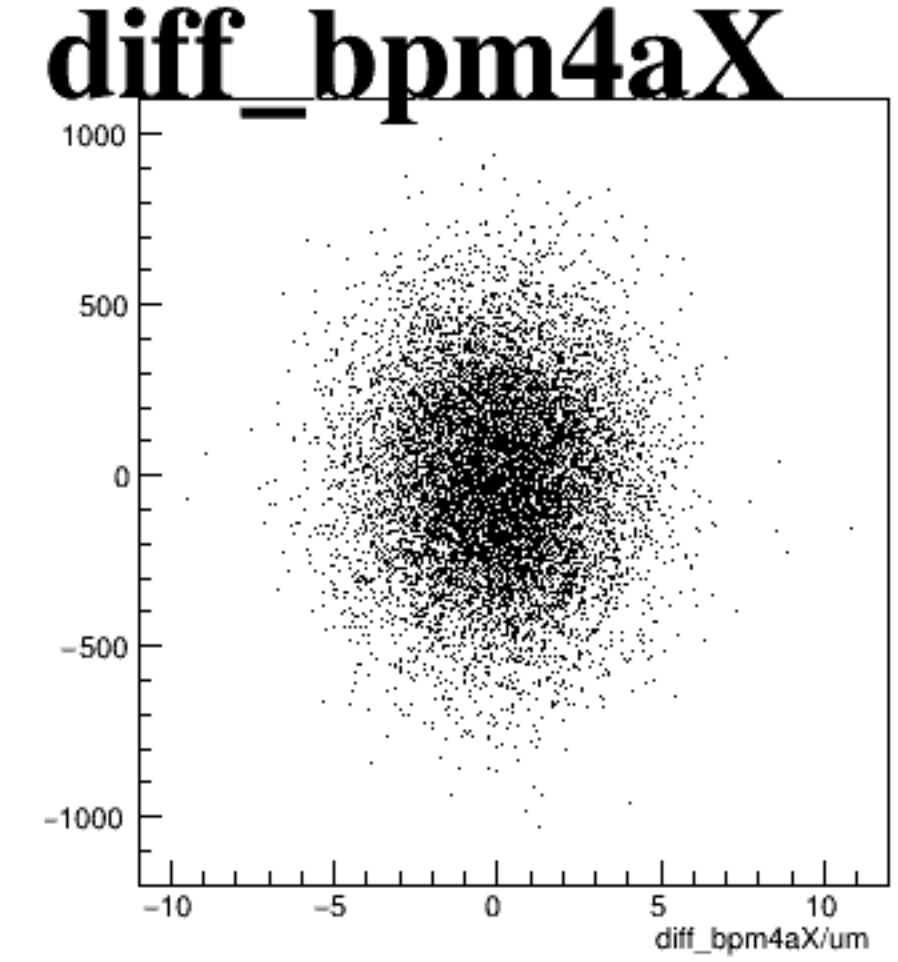
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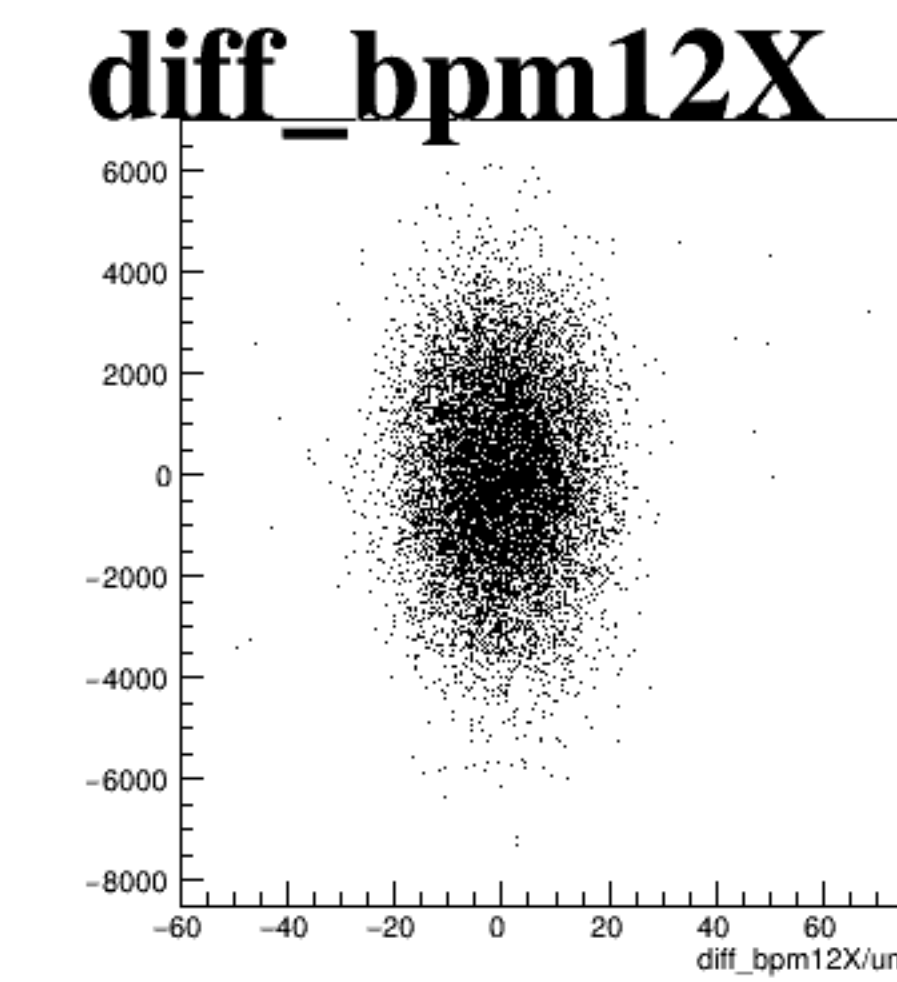
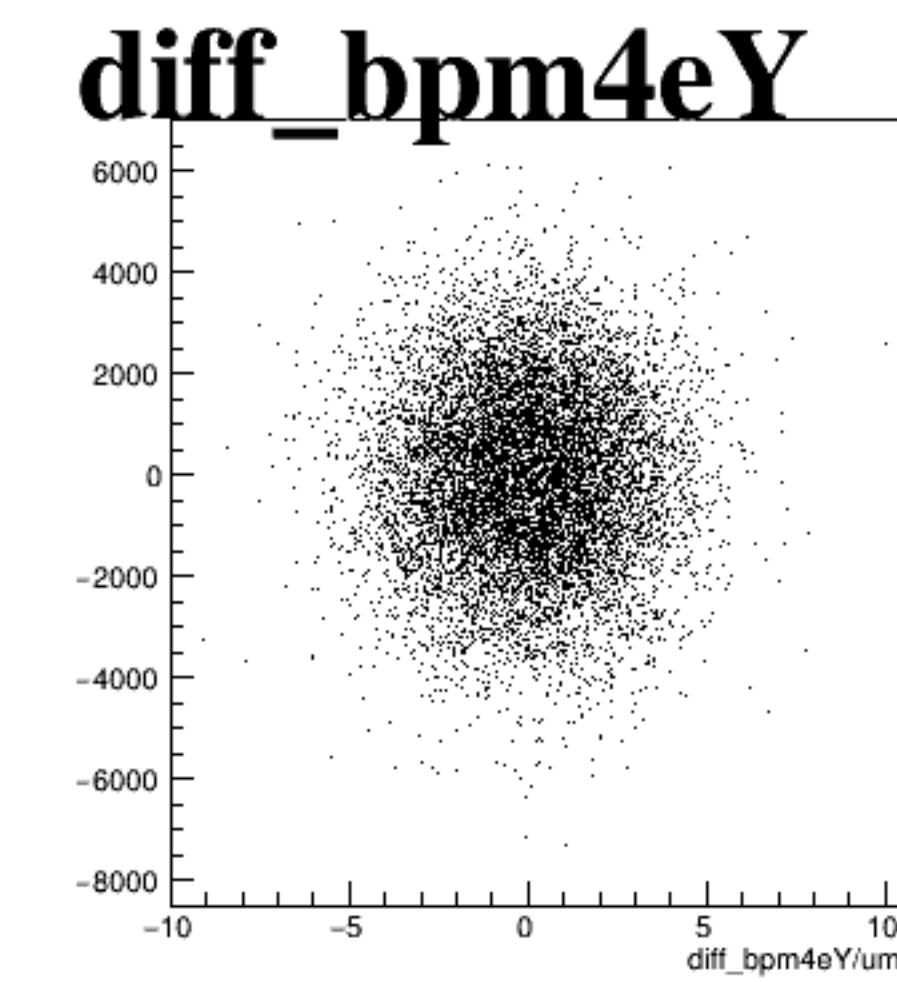
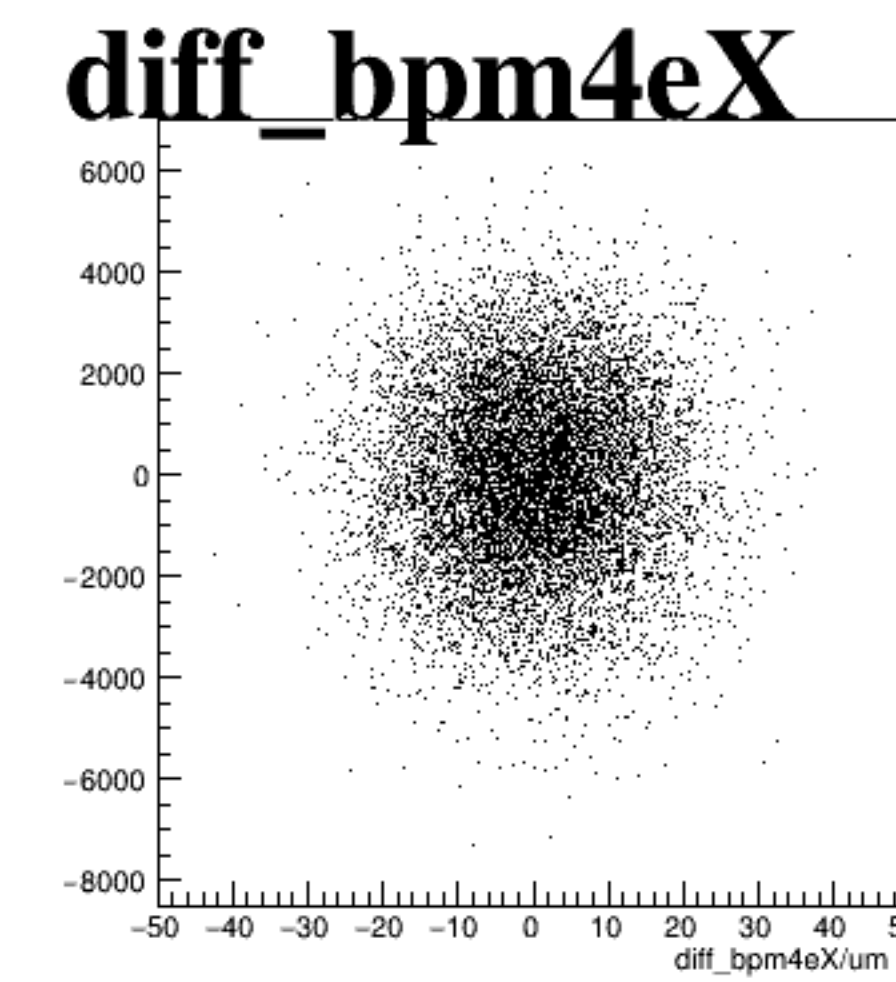
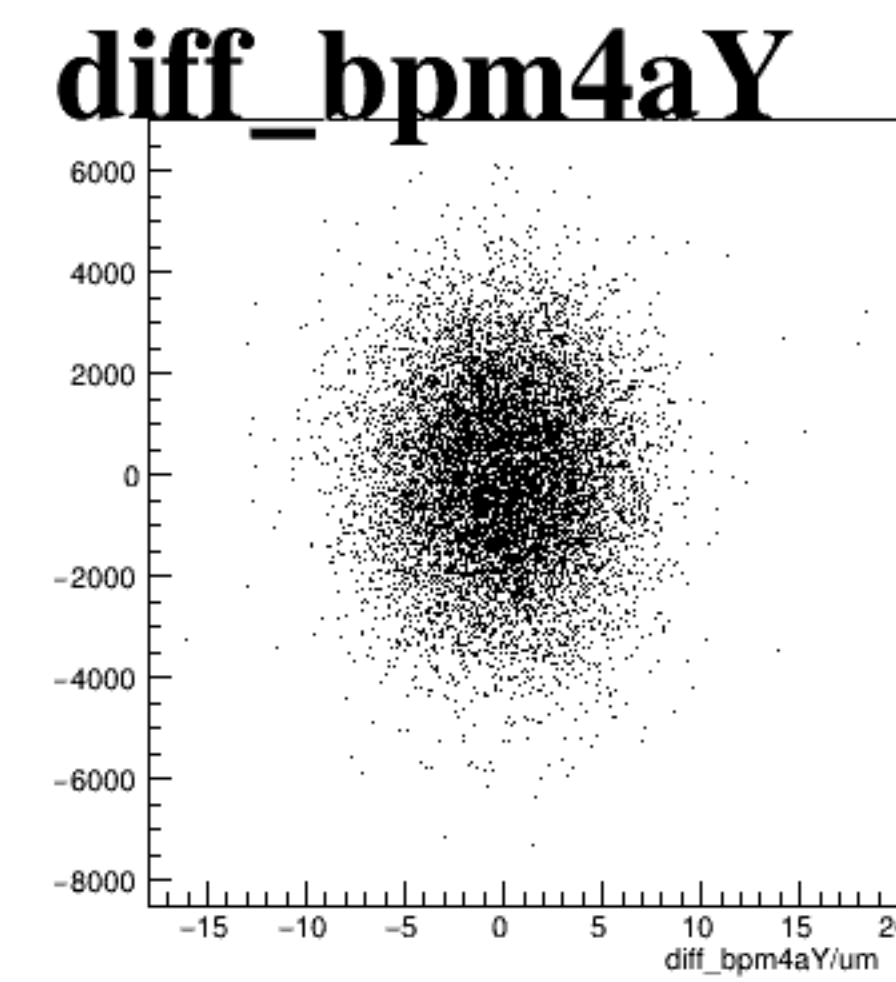
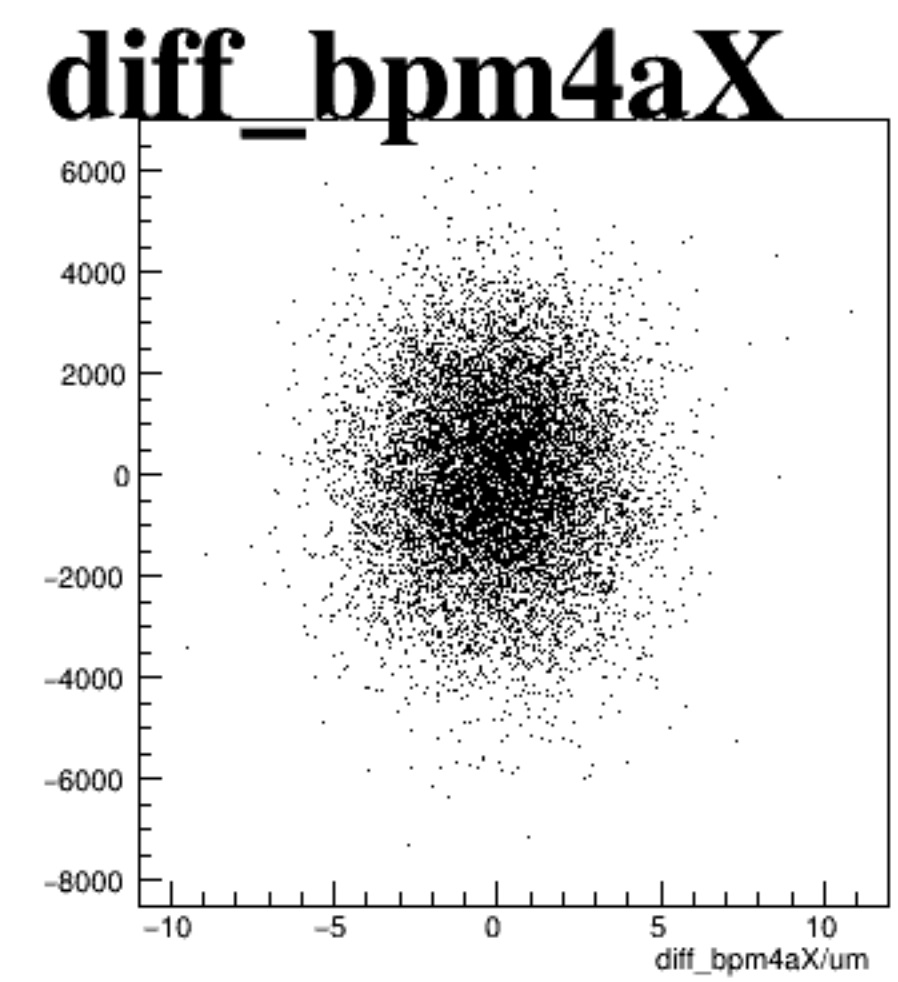
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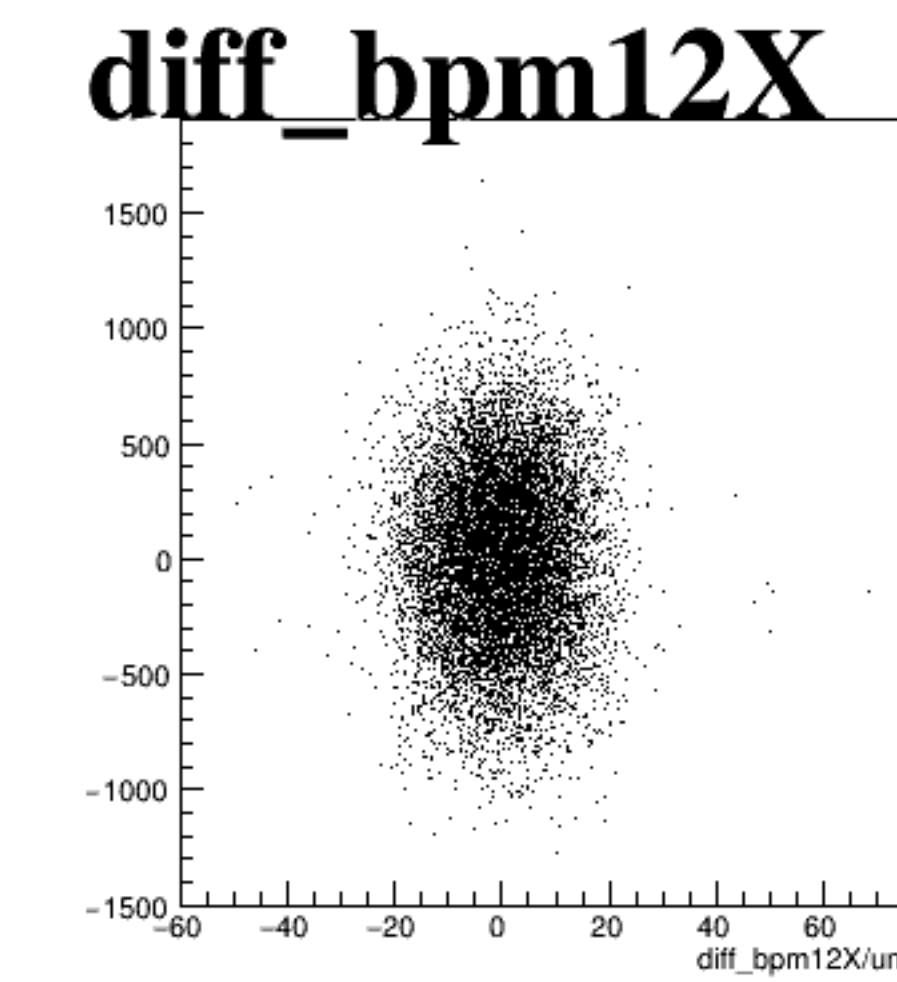
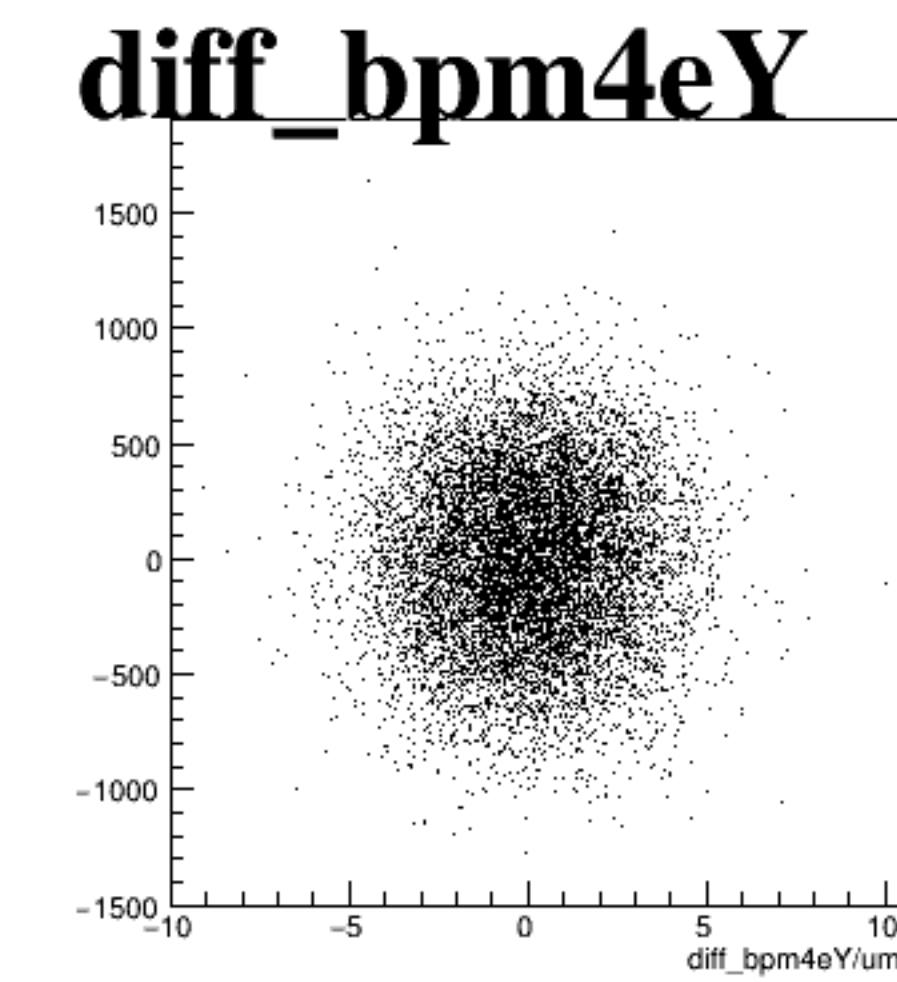
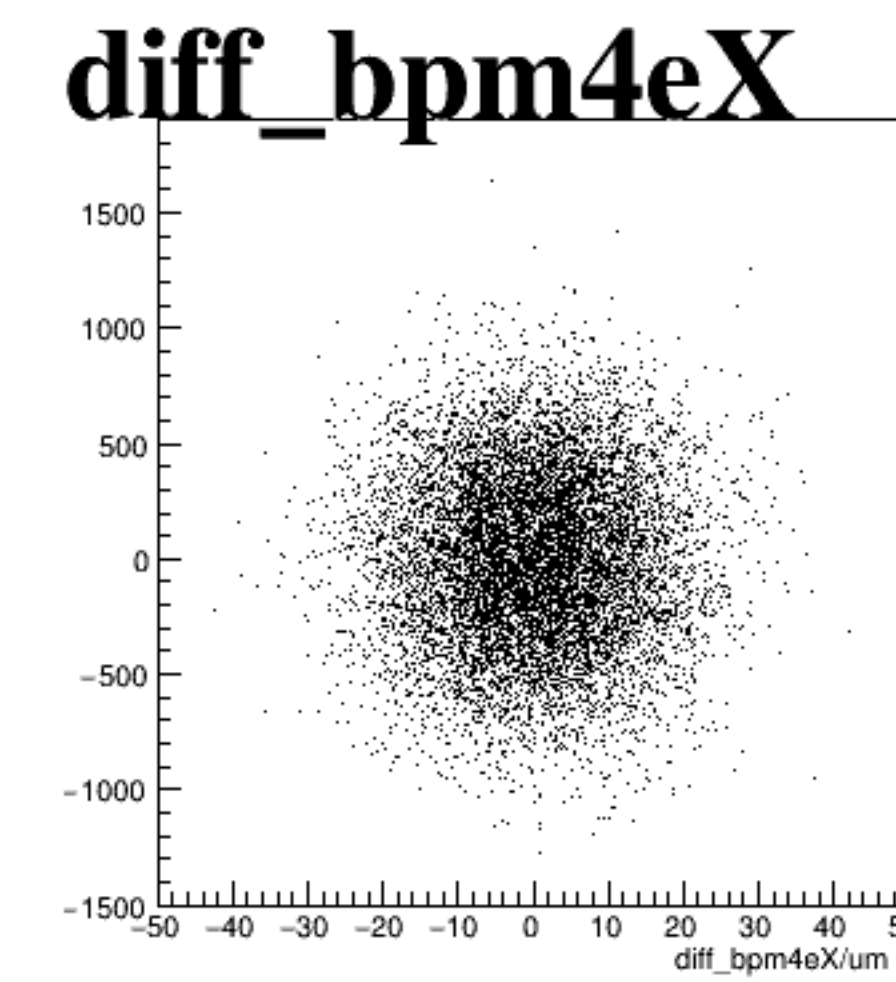
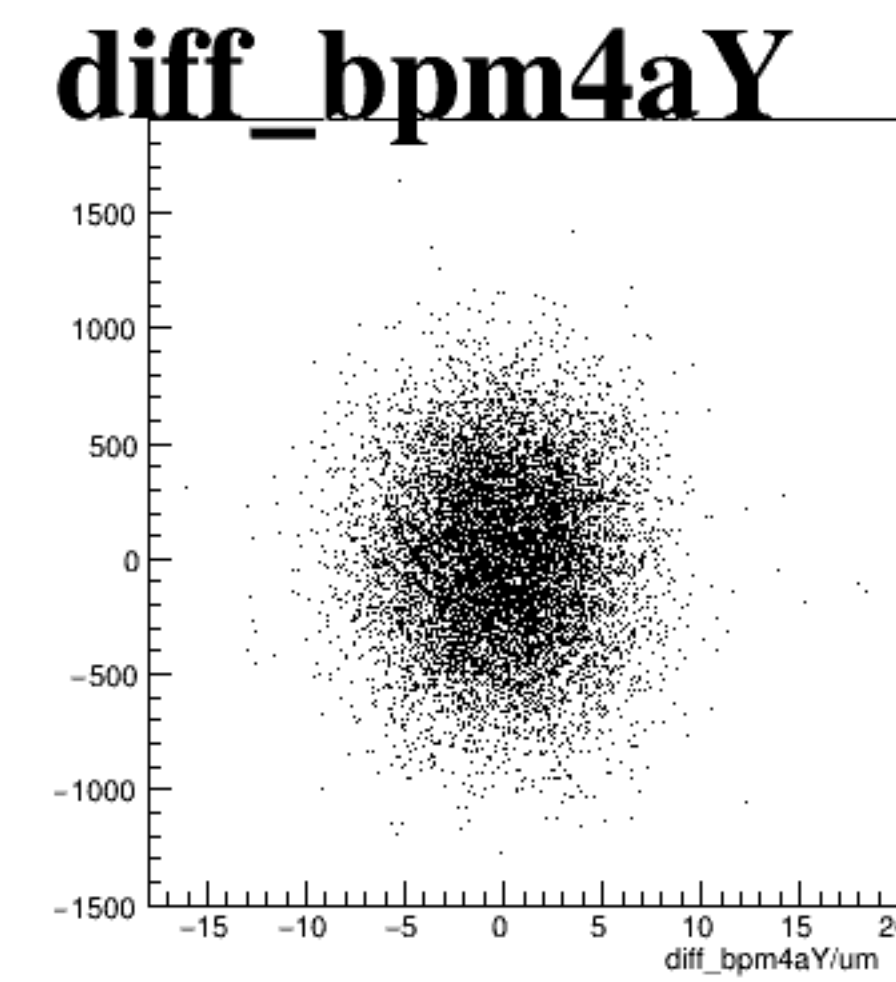
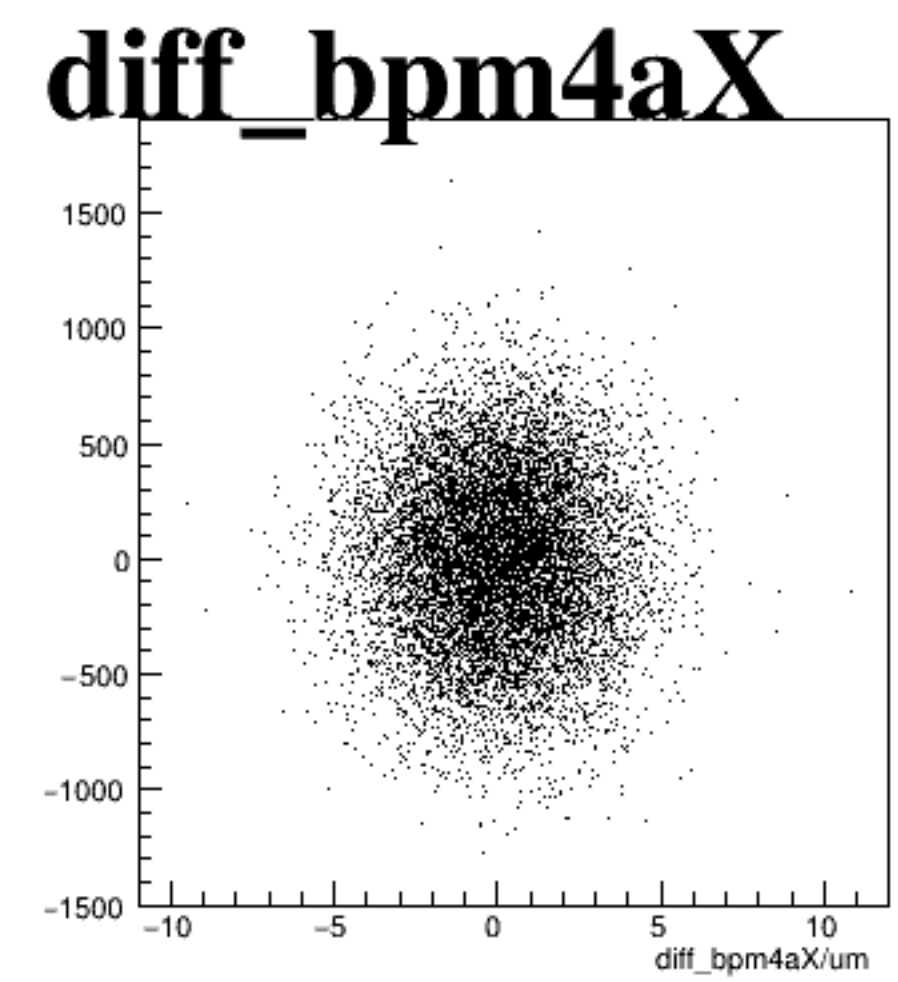
reg_asym_sam1



reg_asym_sam3



reg_asym_sam5



reg_asym_sam7

