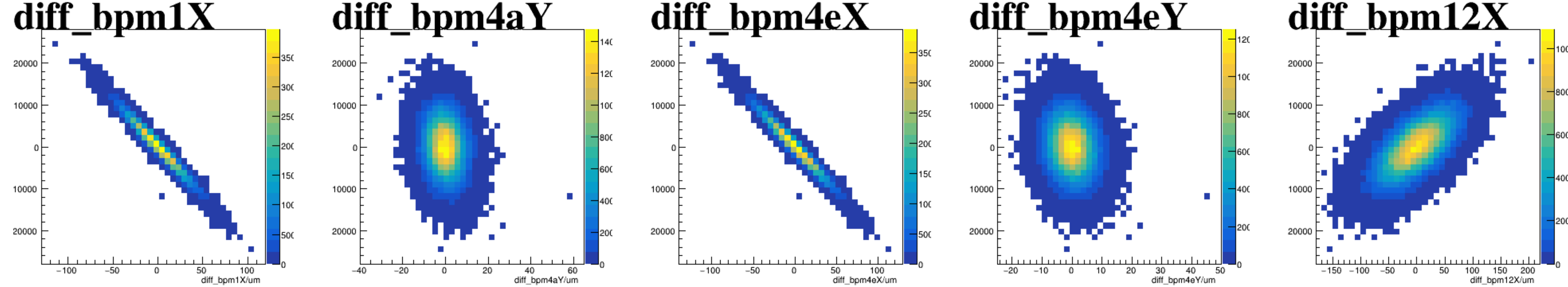
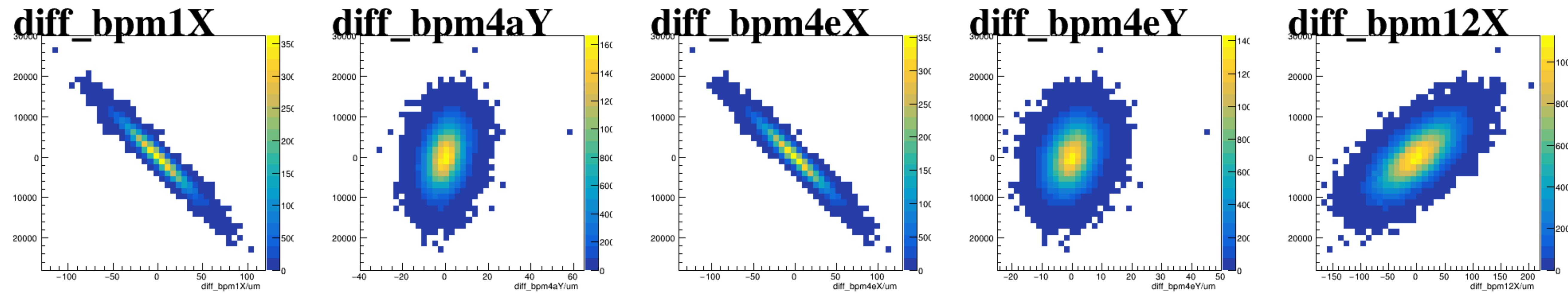


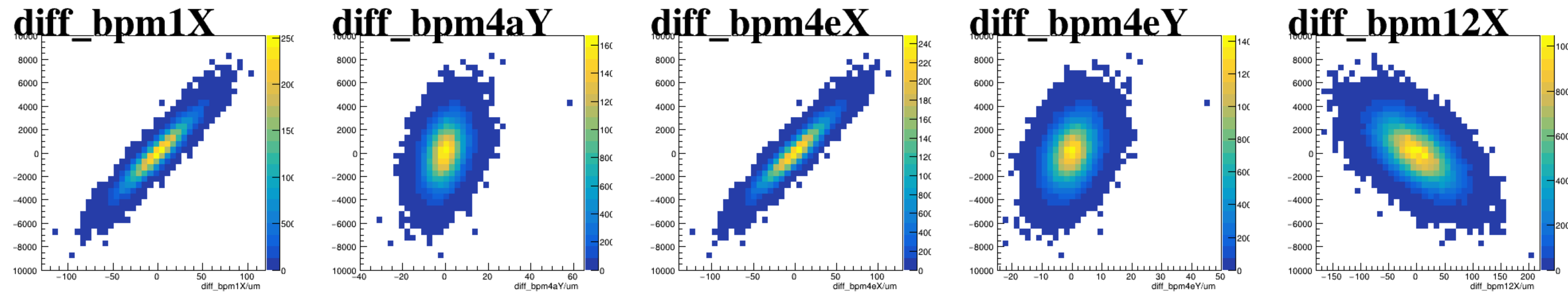
asym_sam2



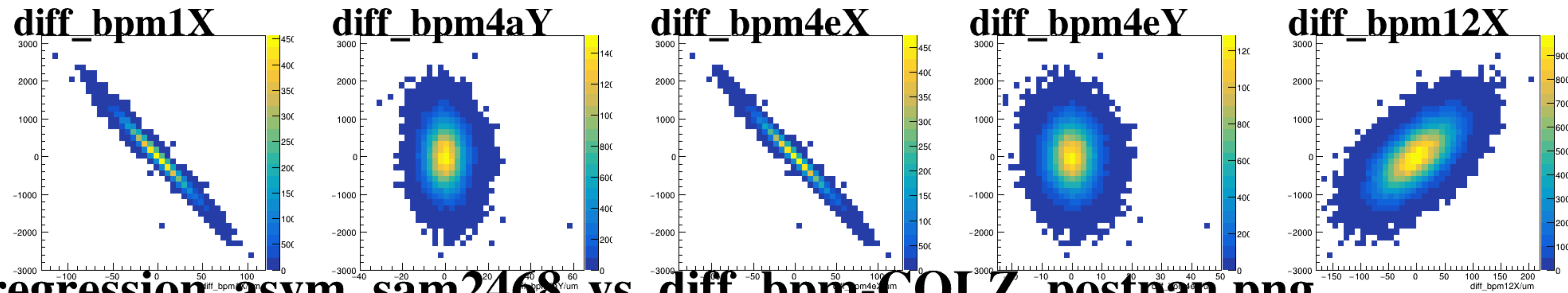
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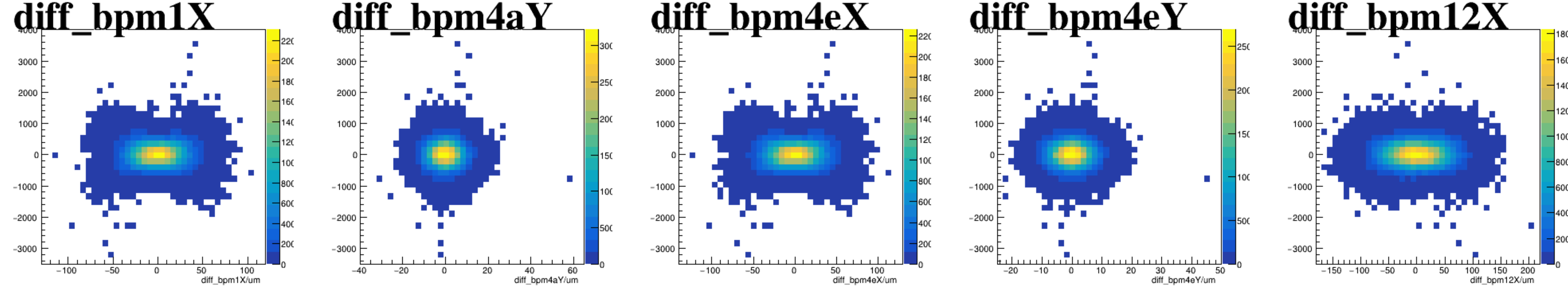
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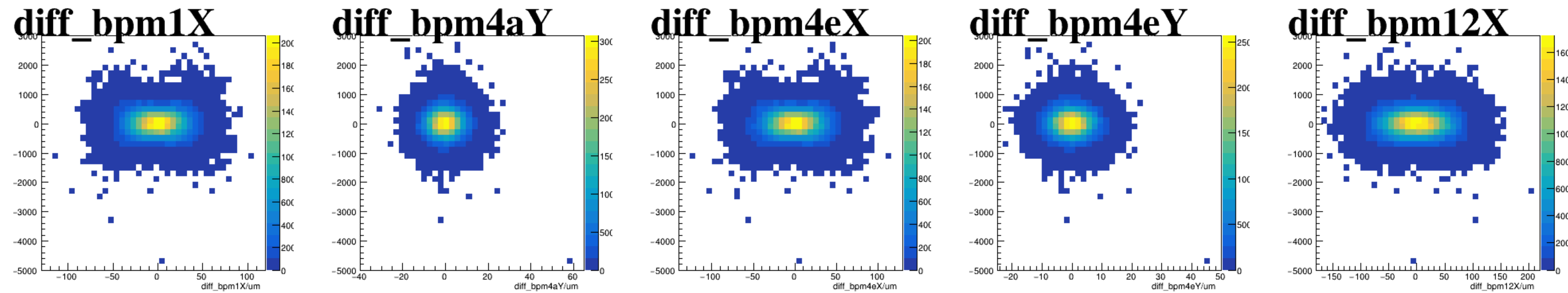
asym_sam8



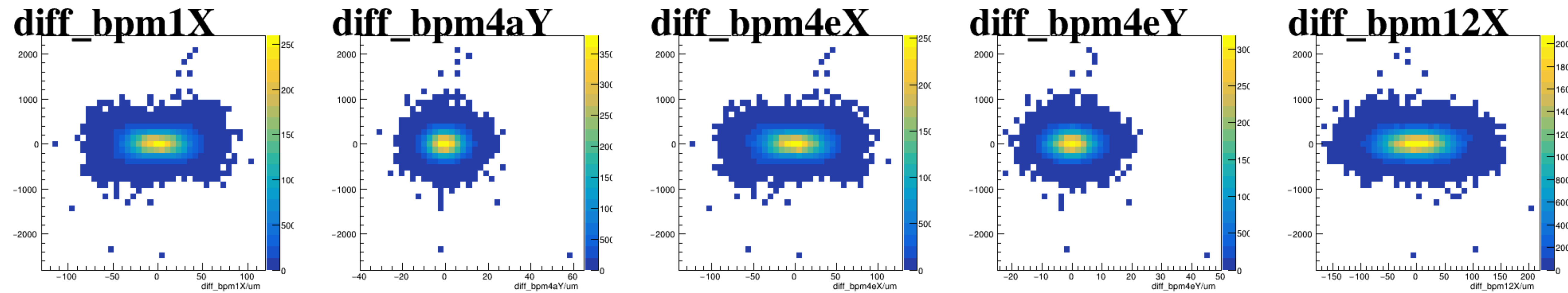
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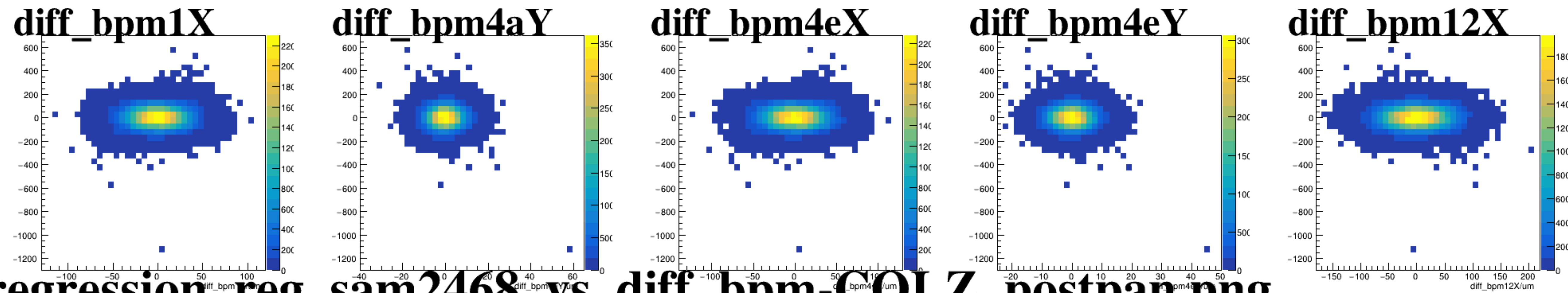
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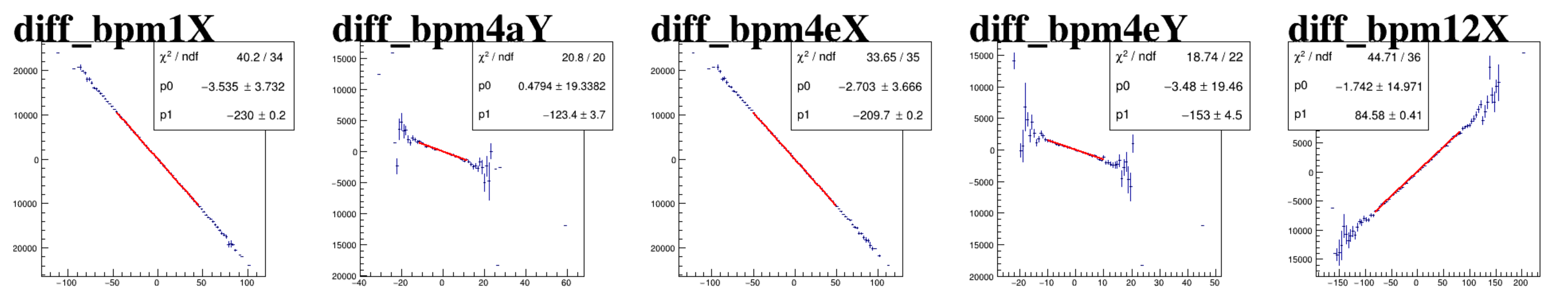
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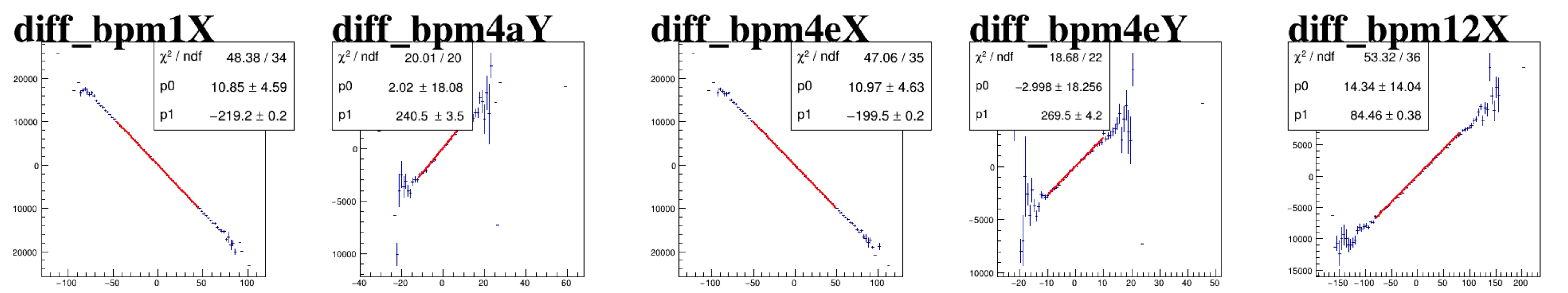
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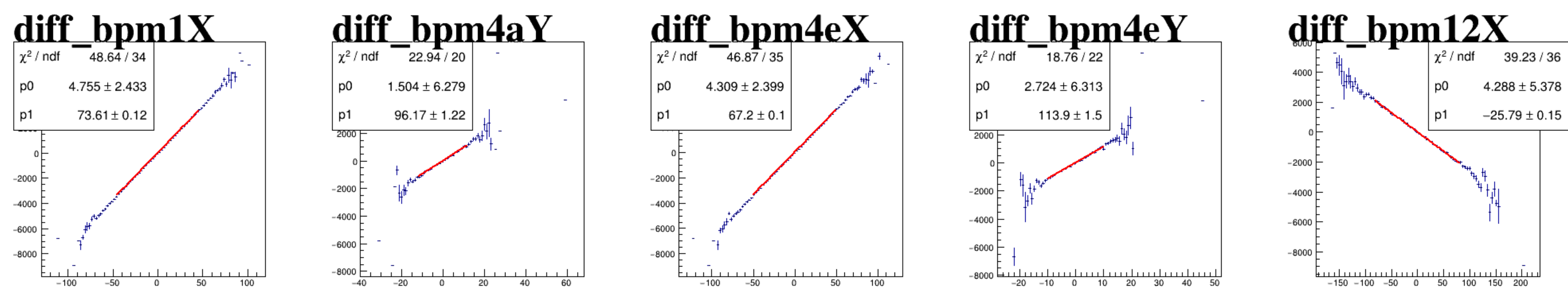
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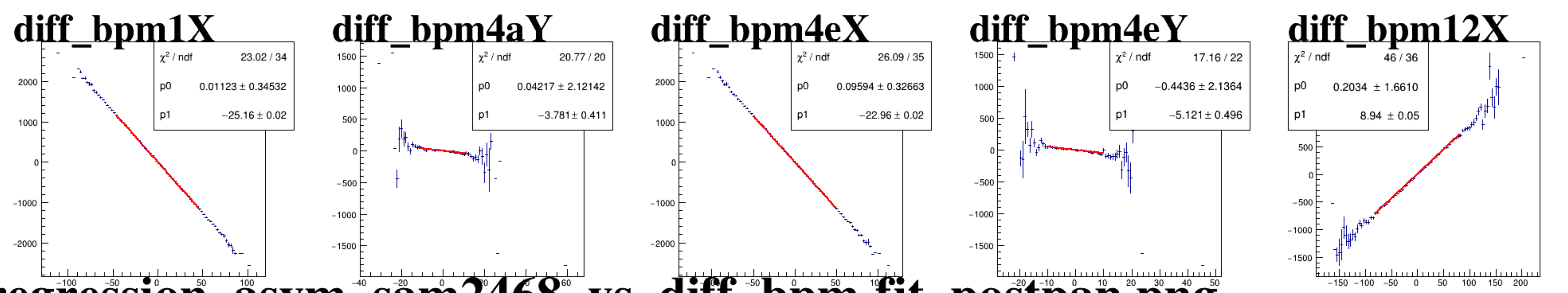
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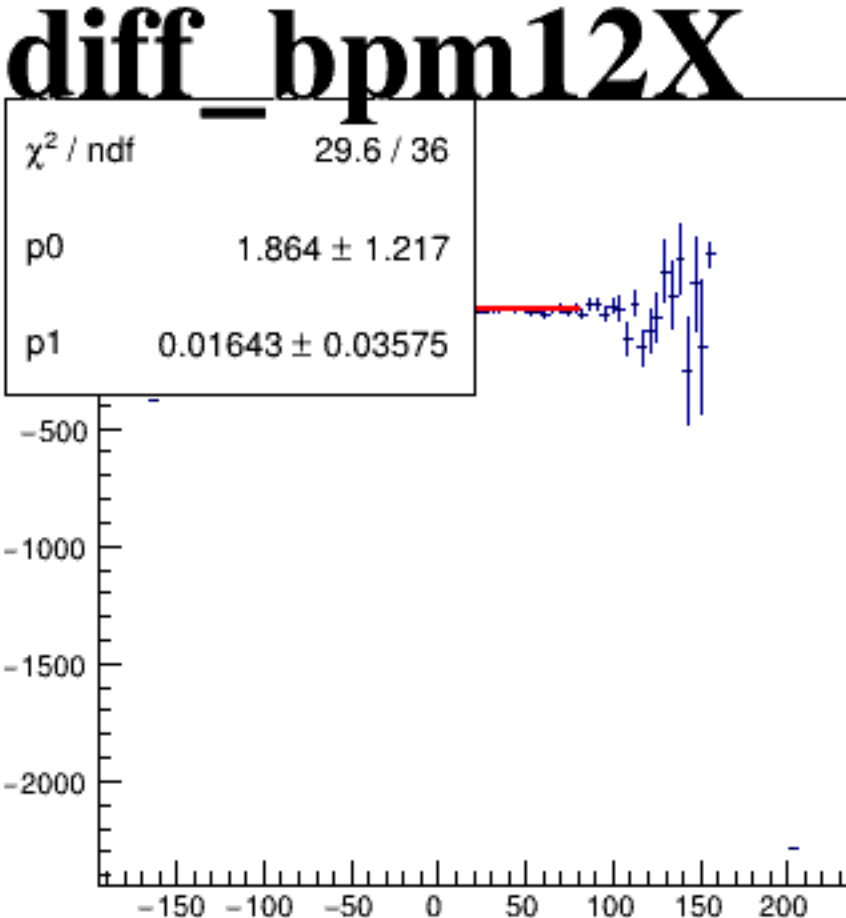
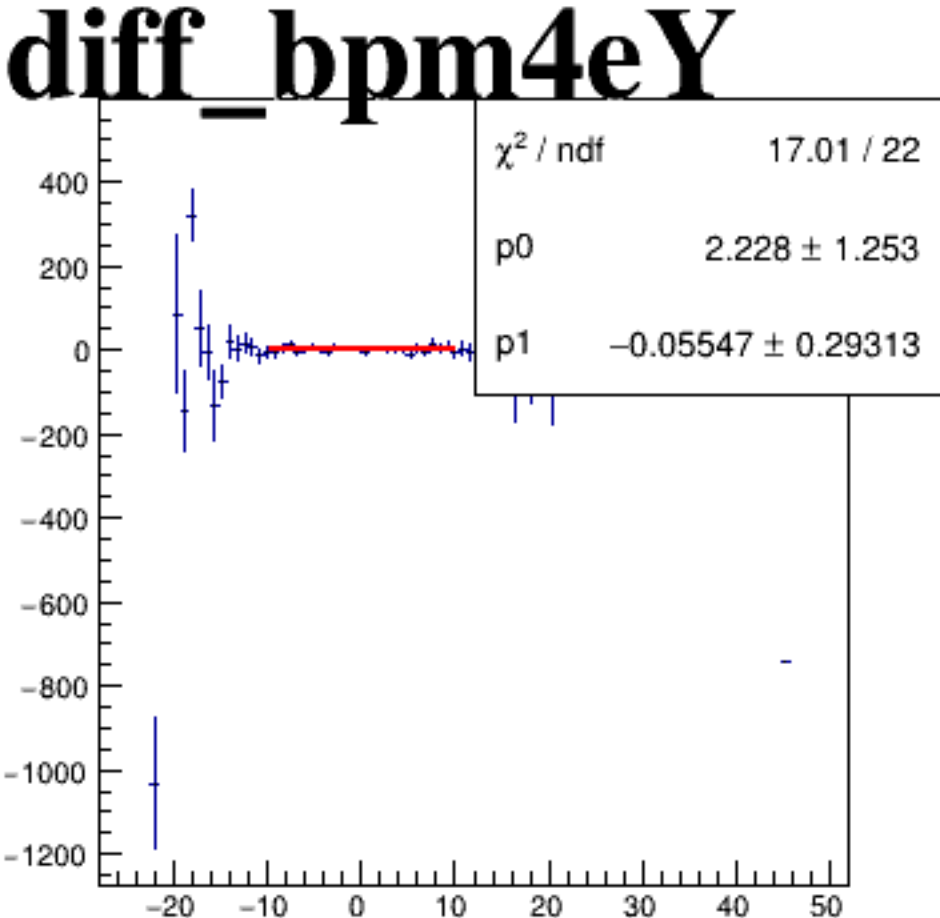
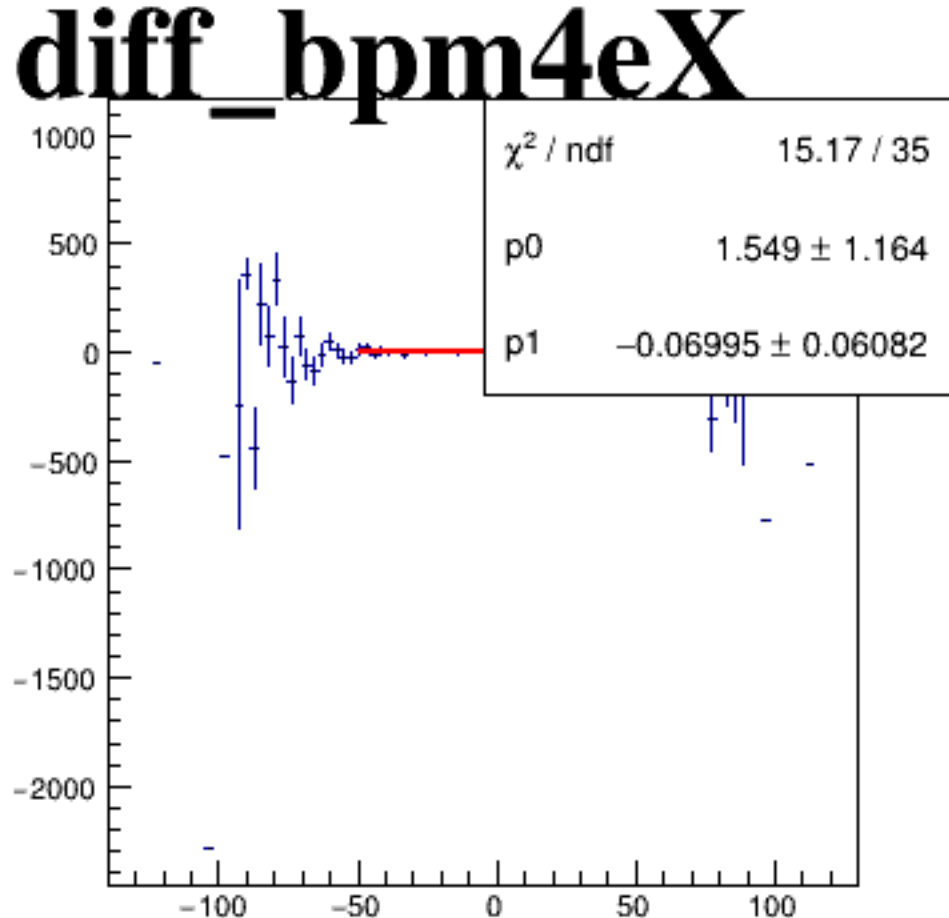
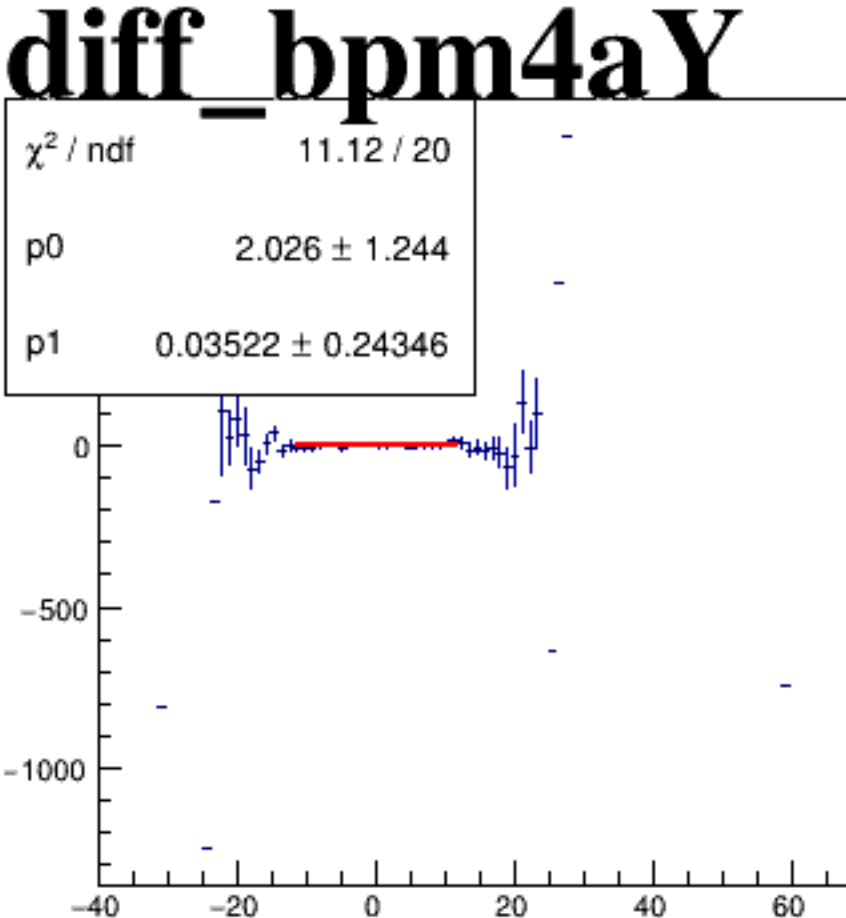
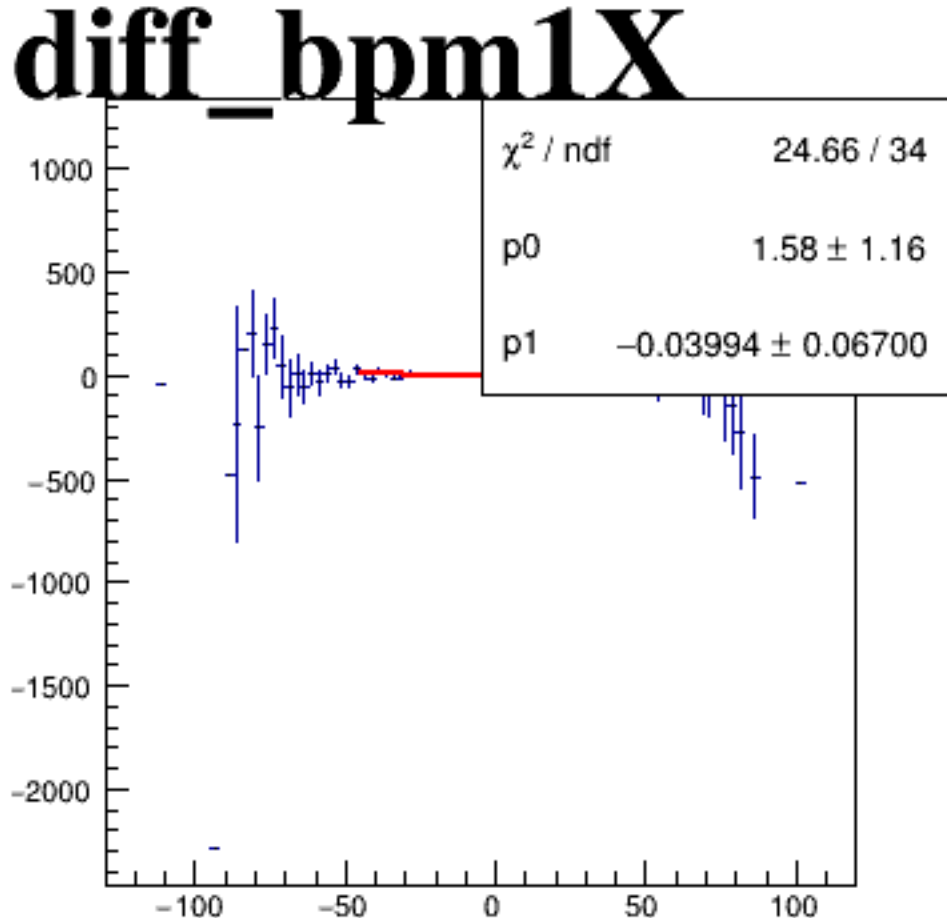
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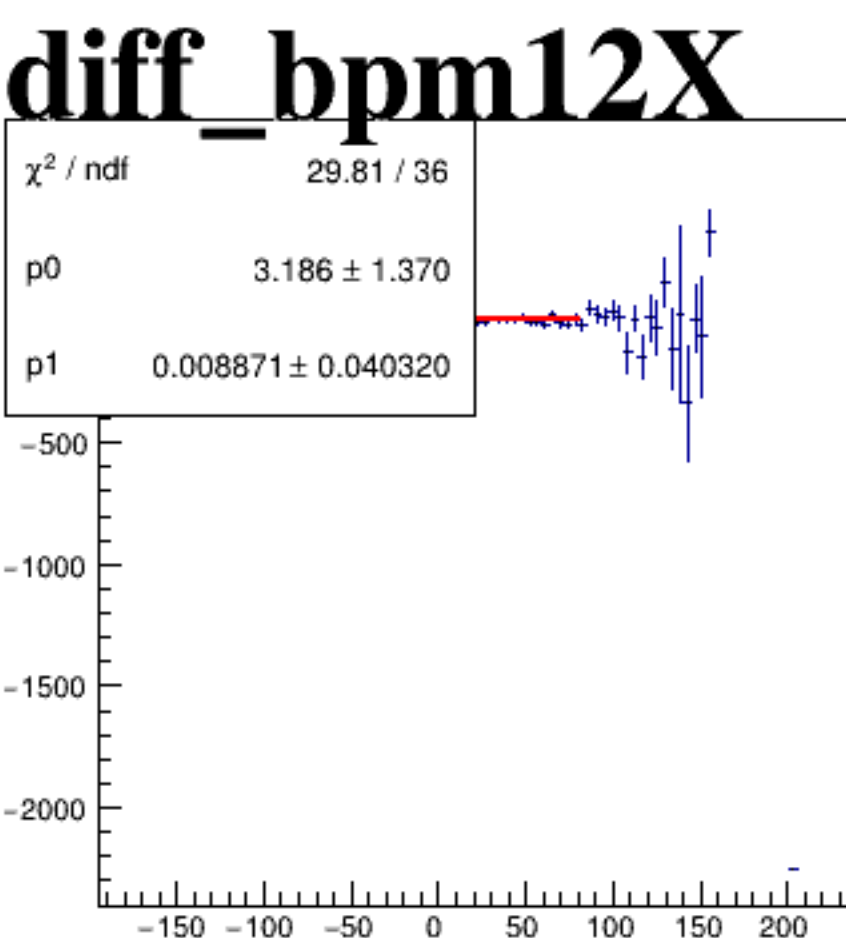
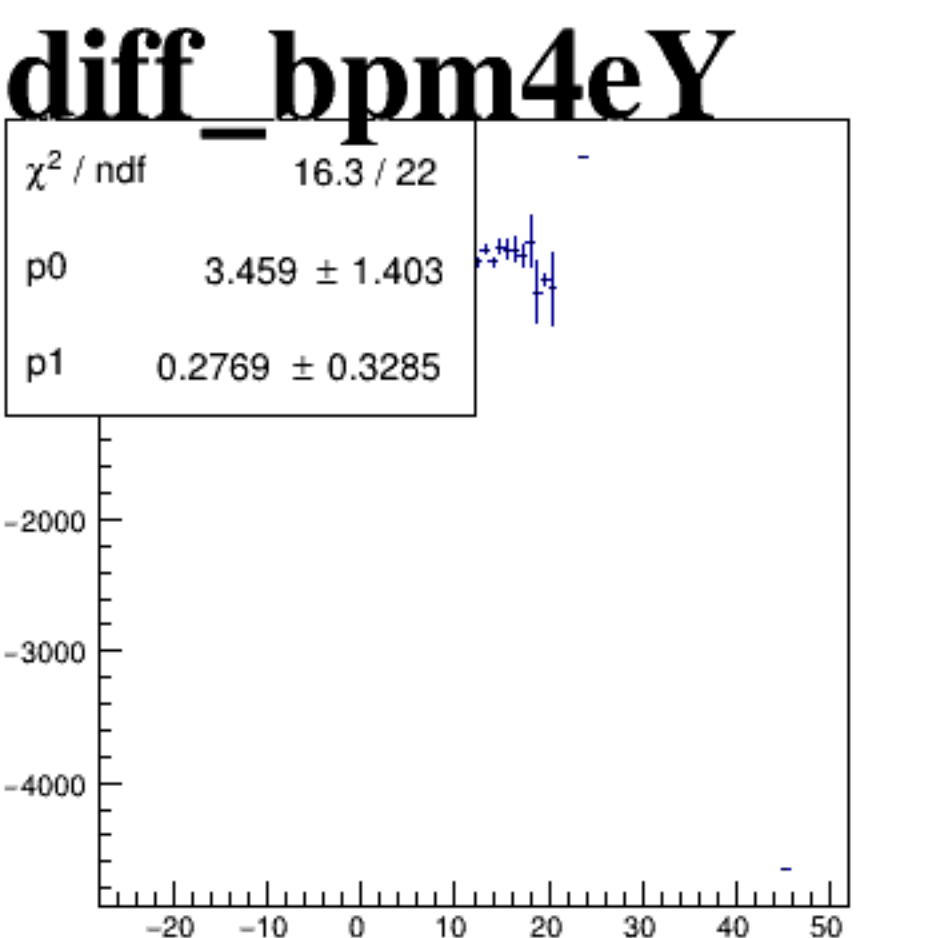
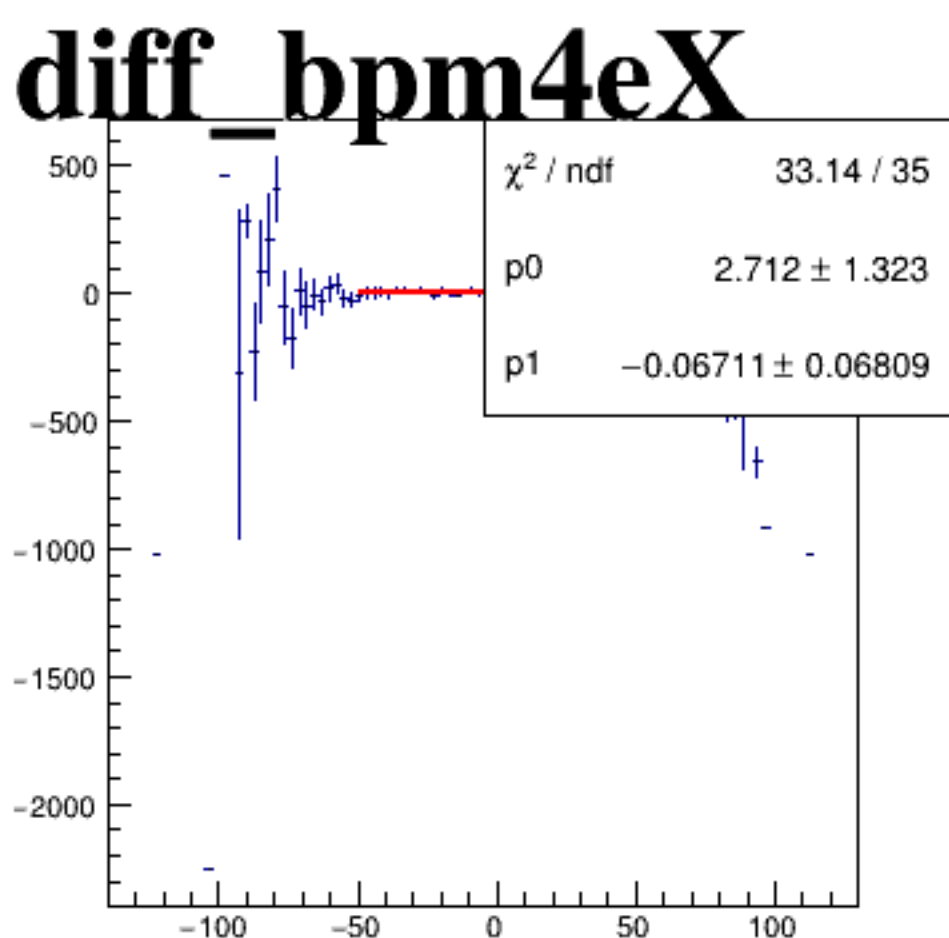
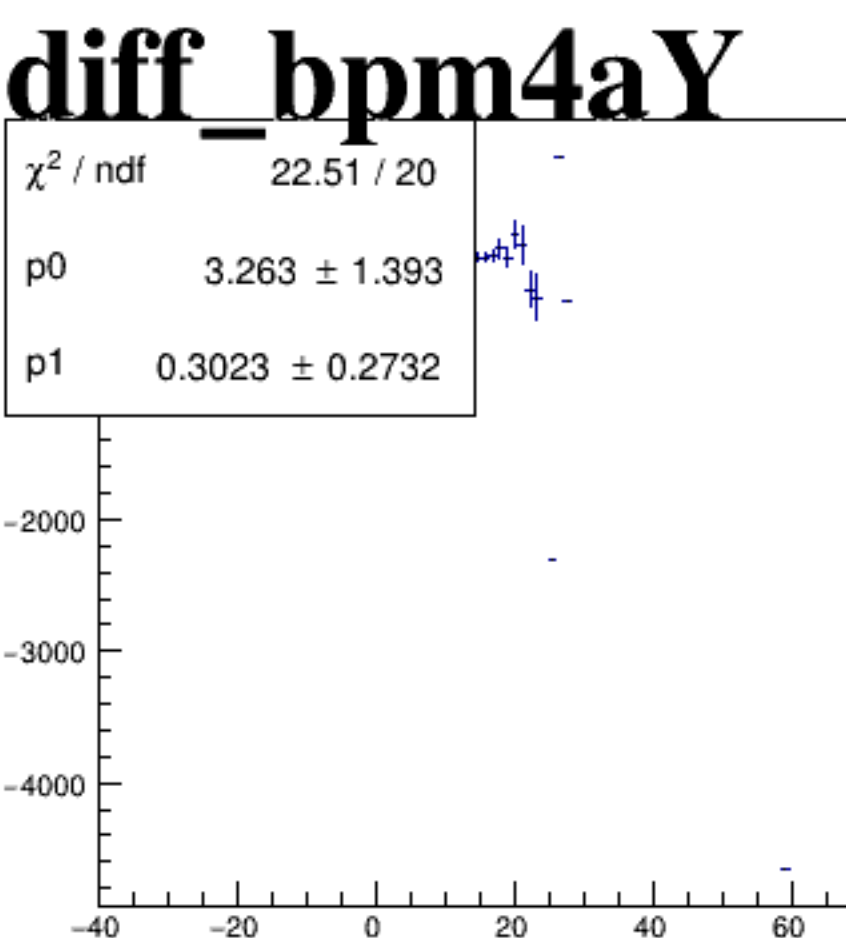
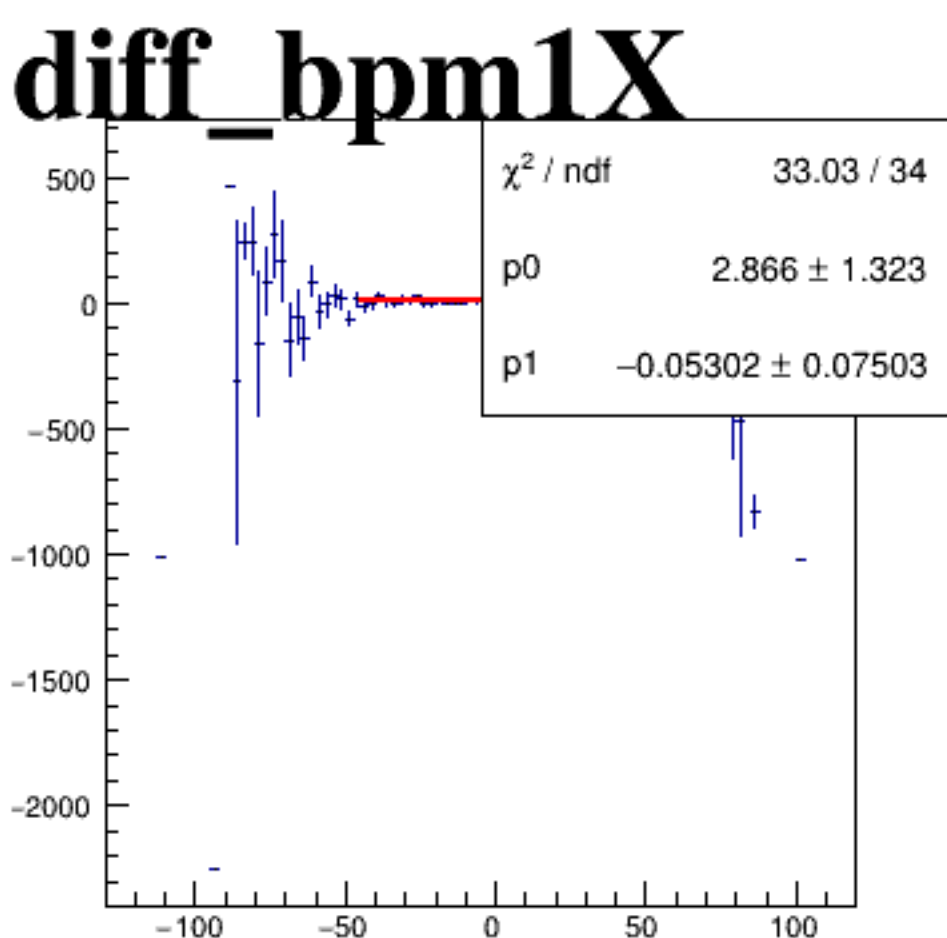
asym_sam8



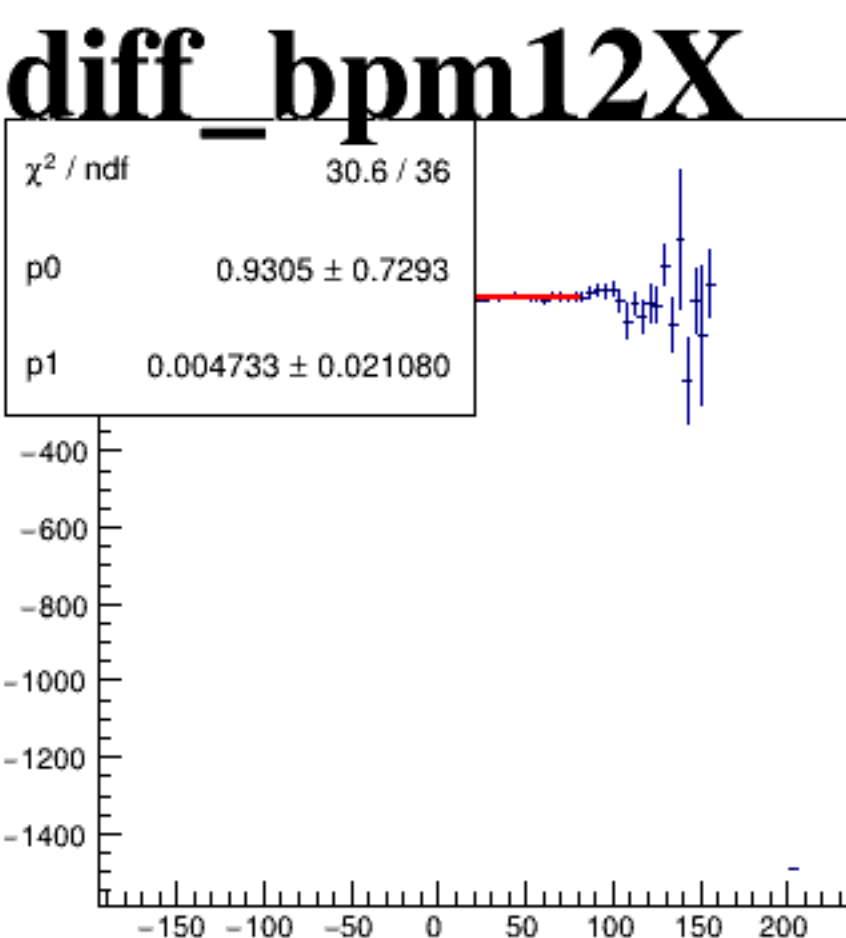
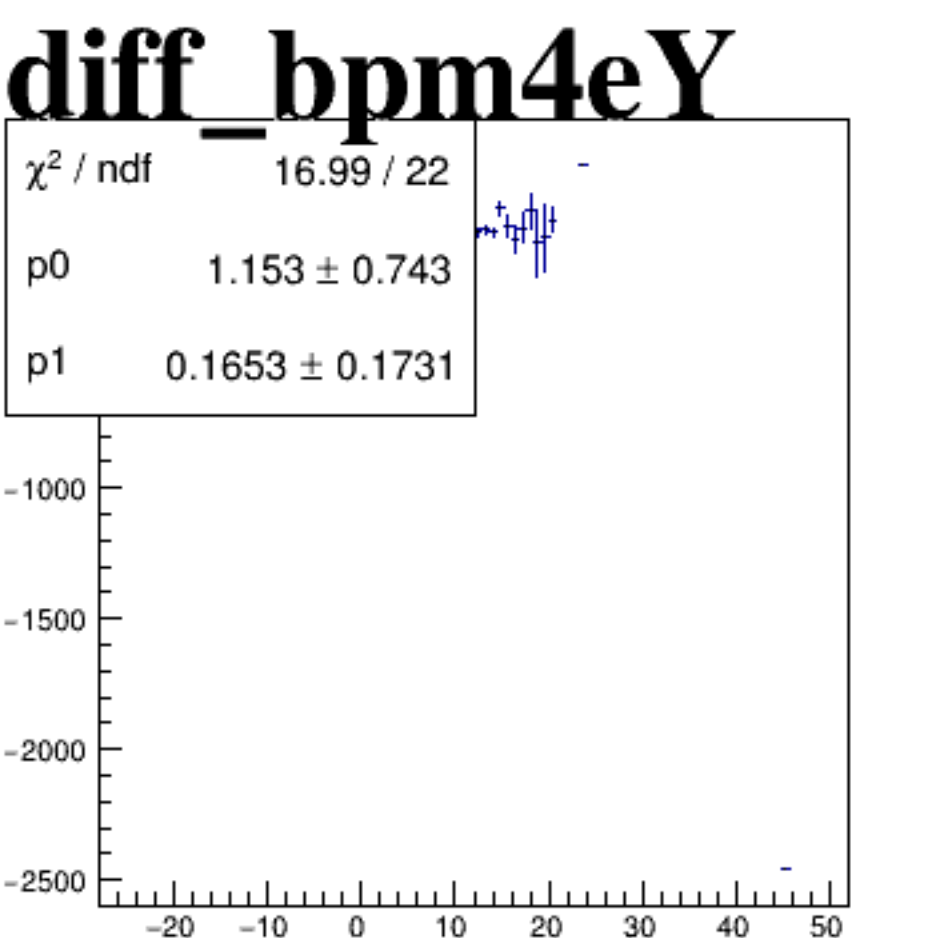
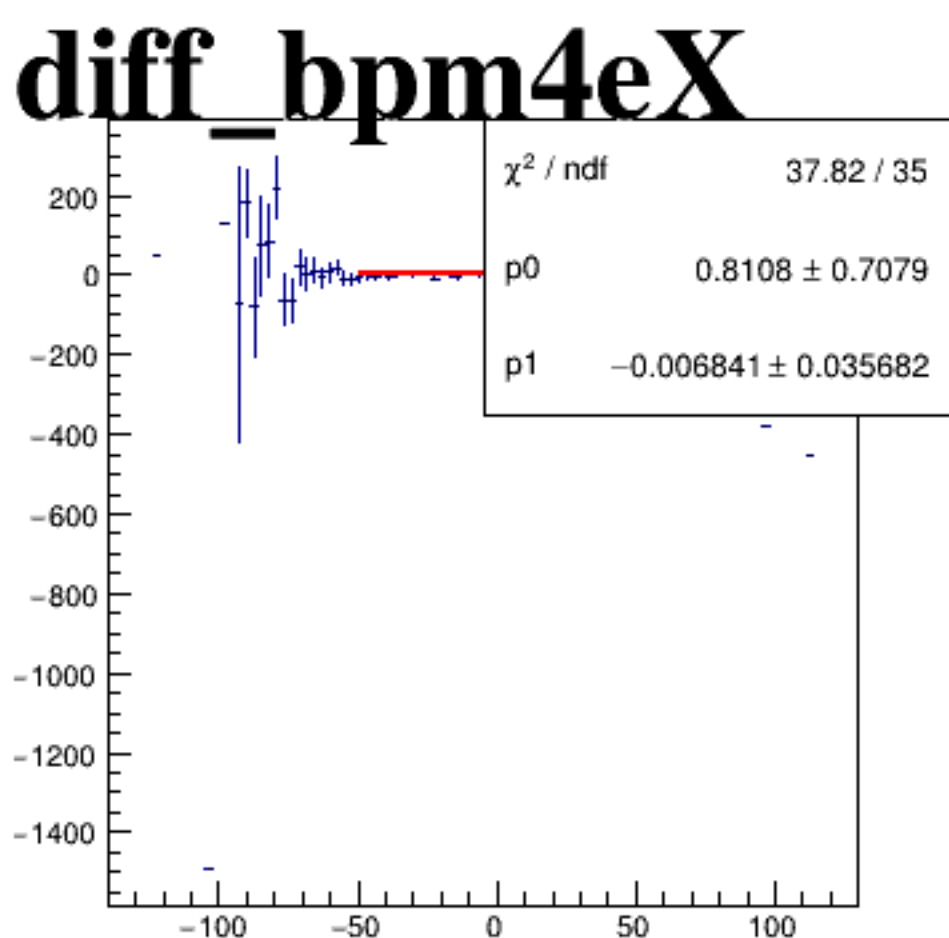
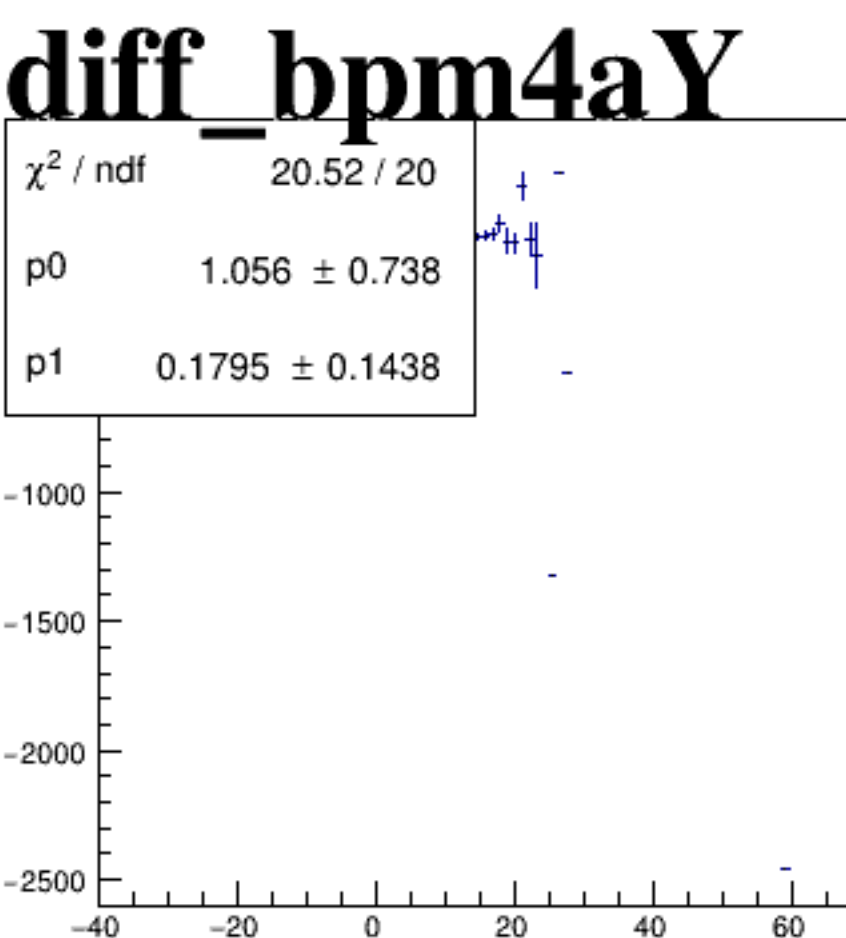
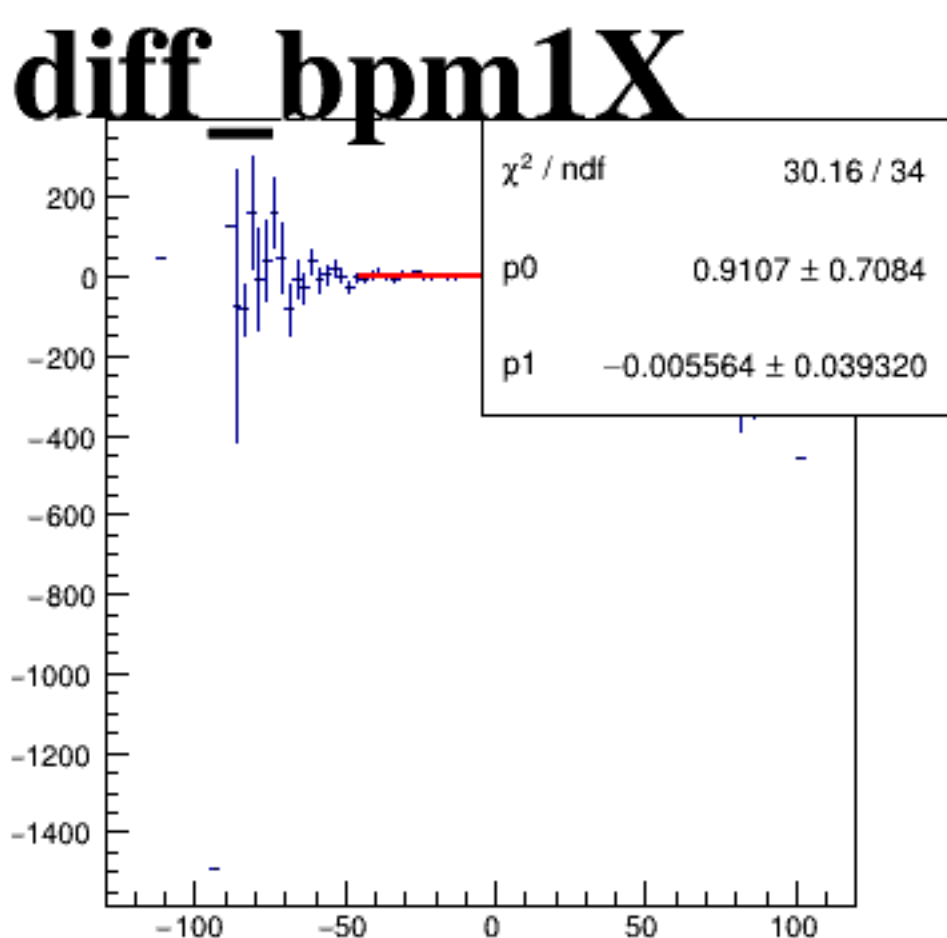
reg_asym_sam2



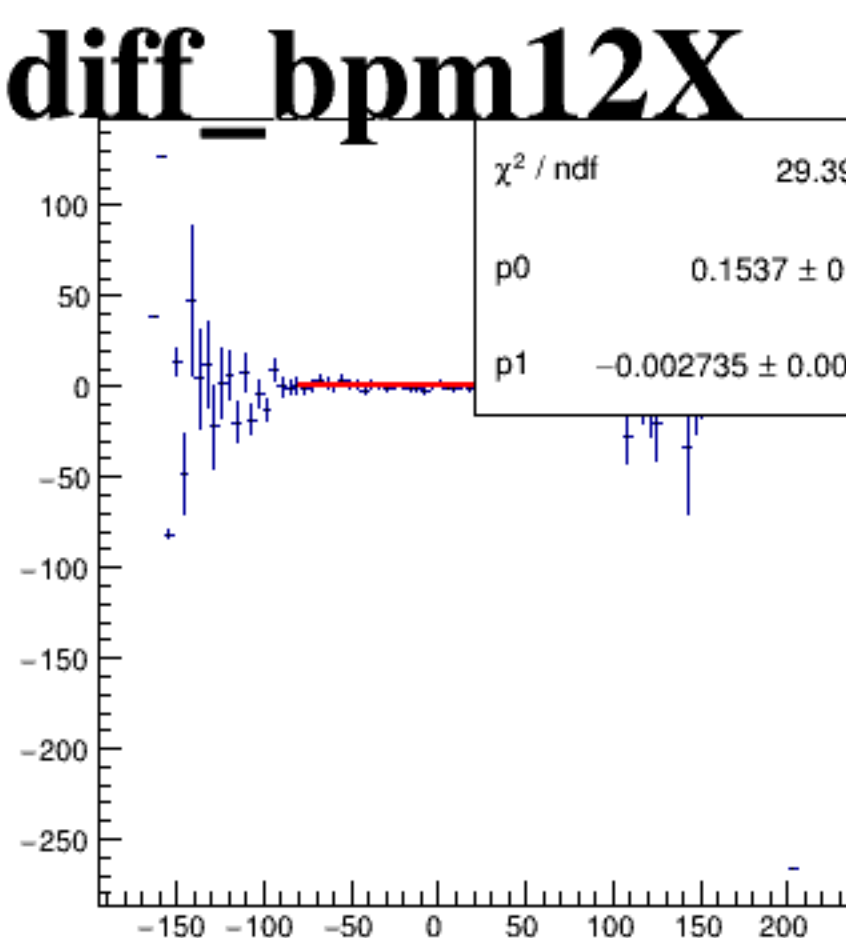
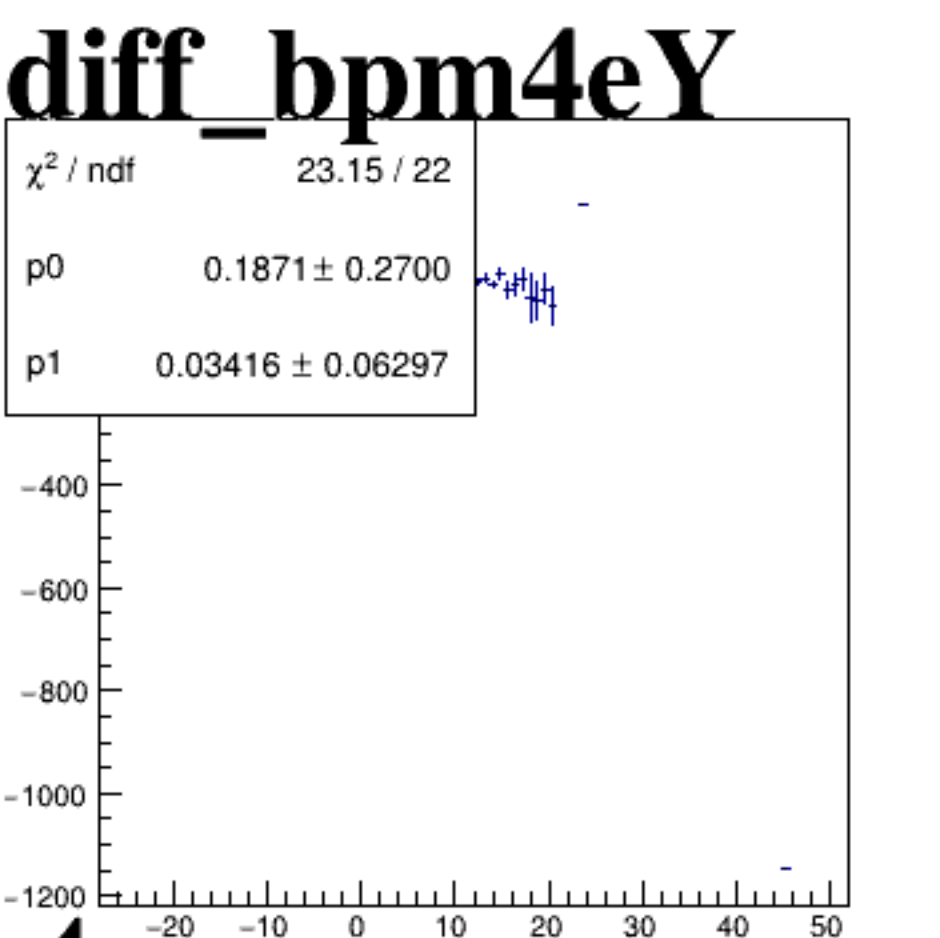
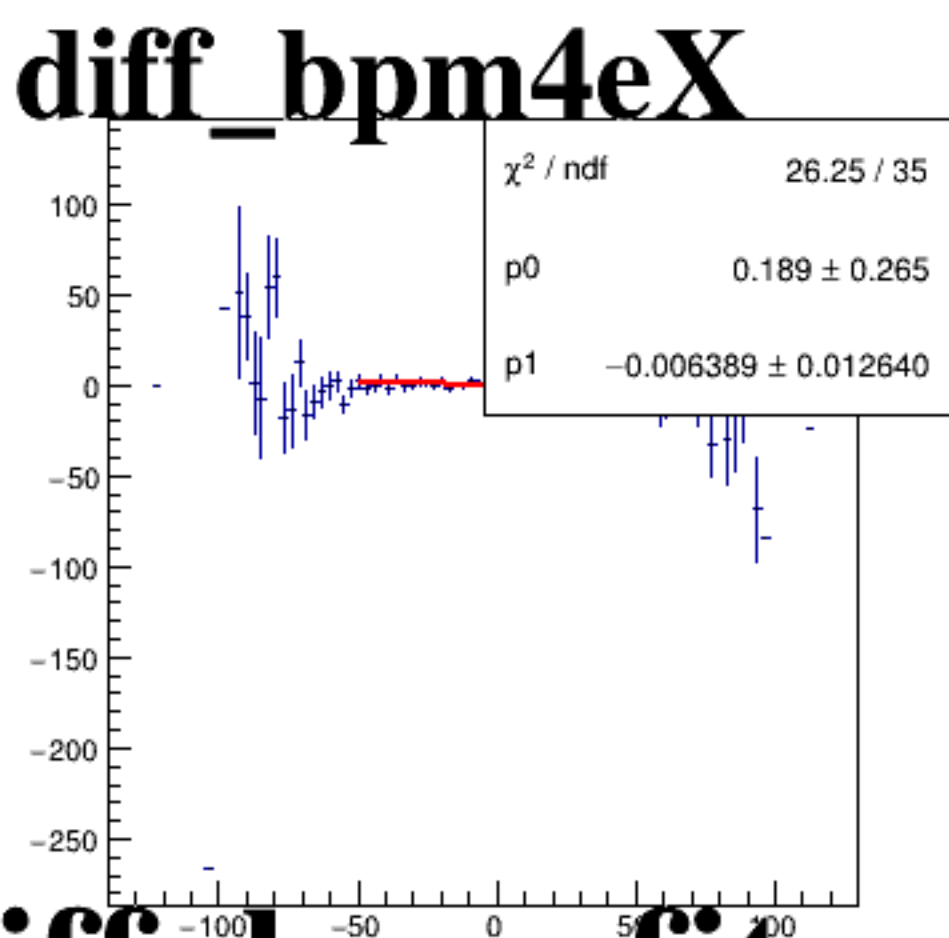
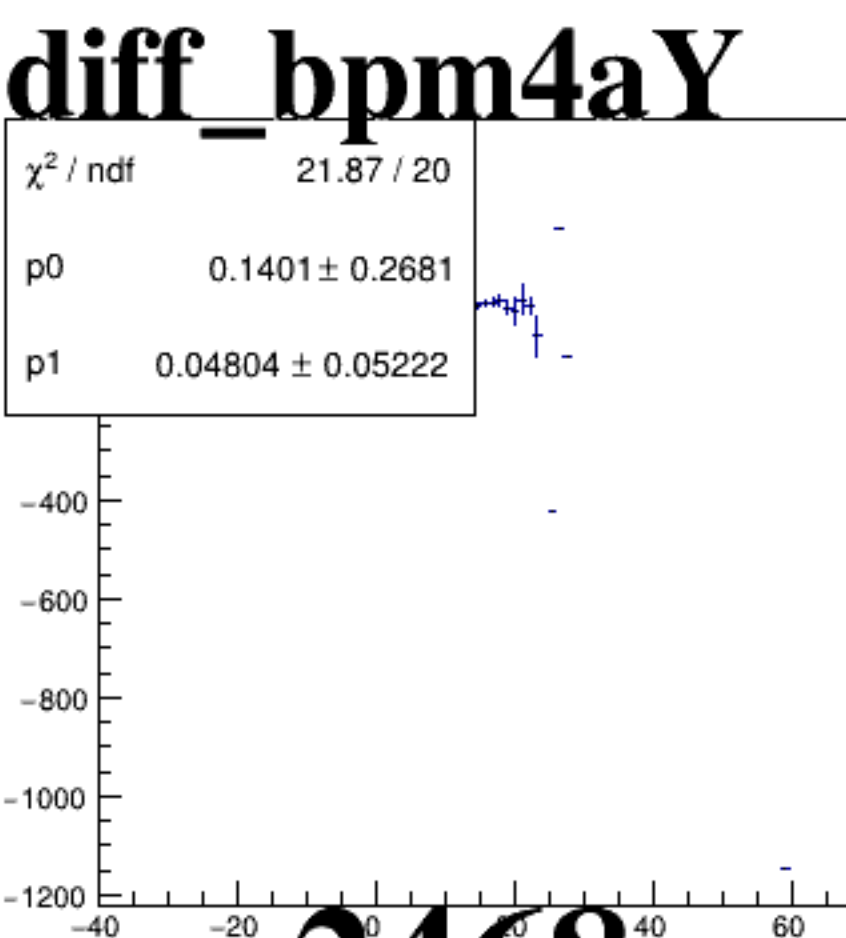
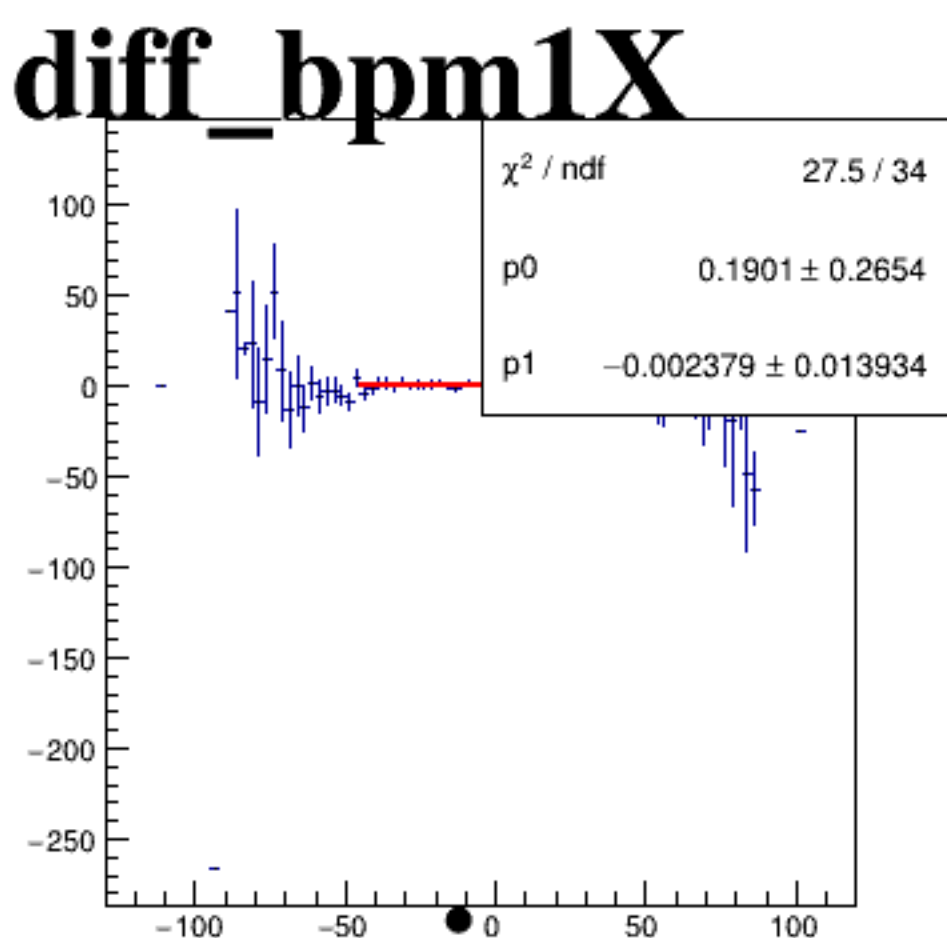
reg_asym_sam4



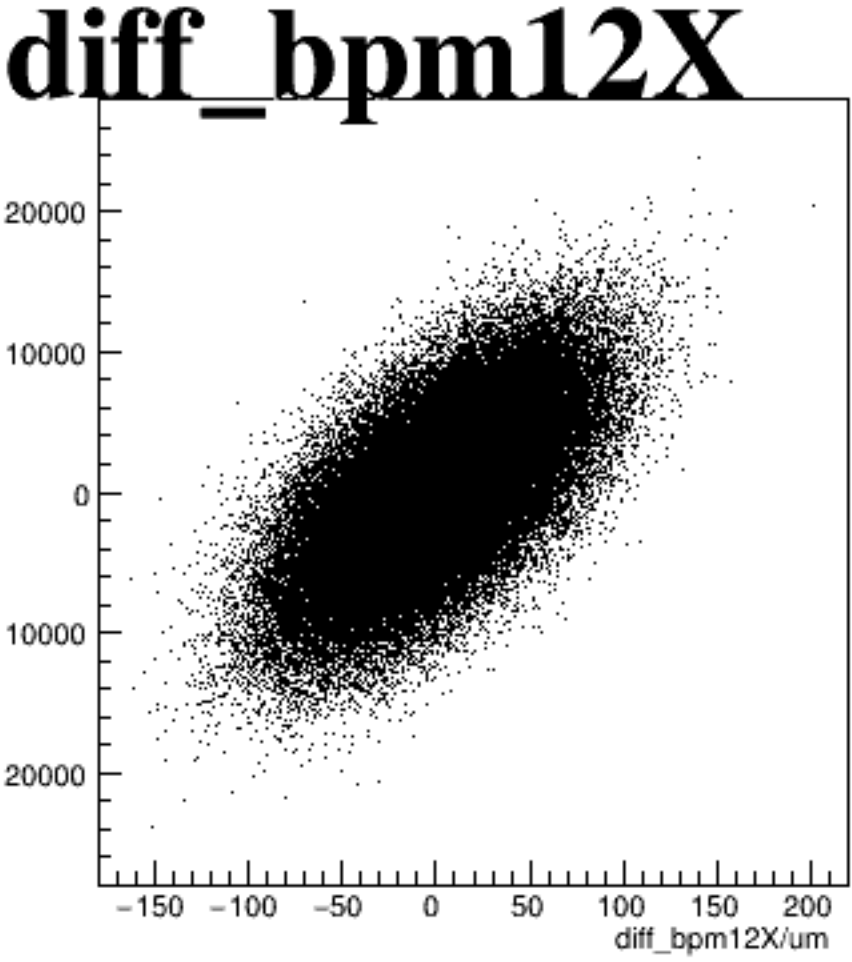
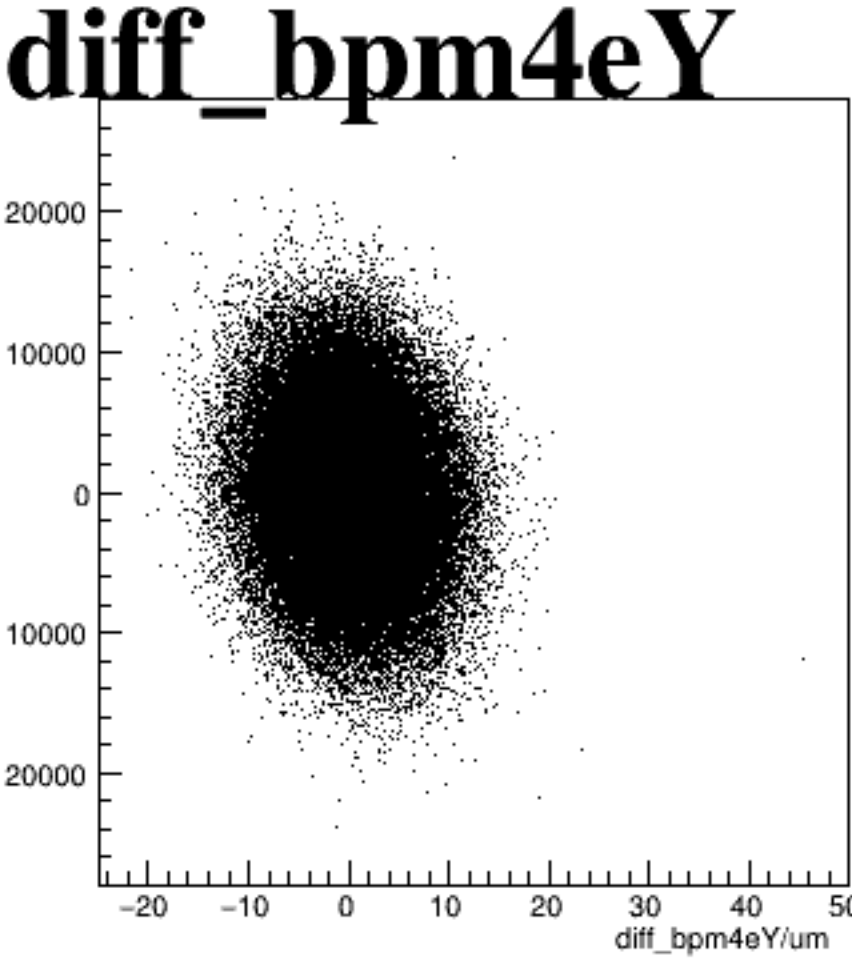
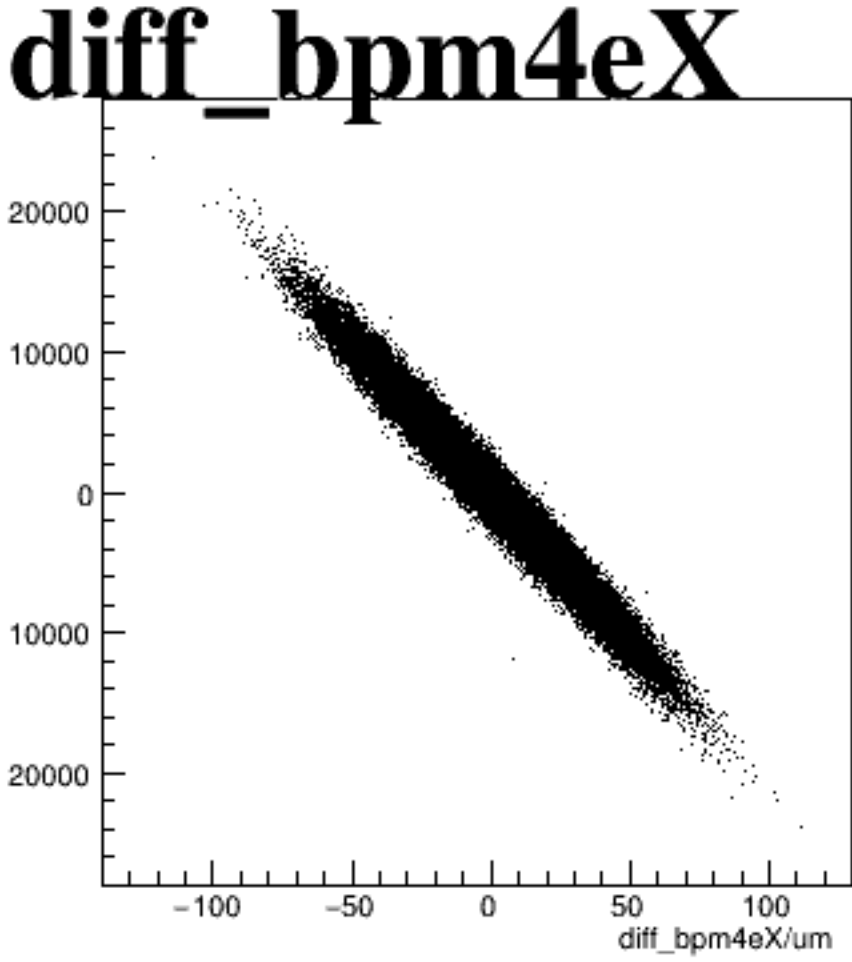
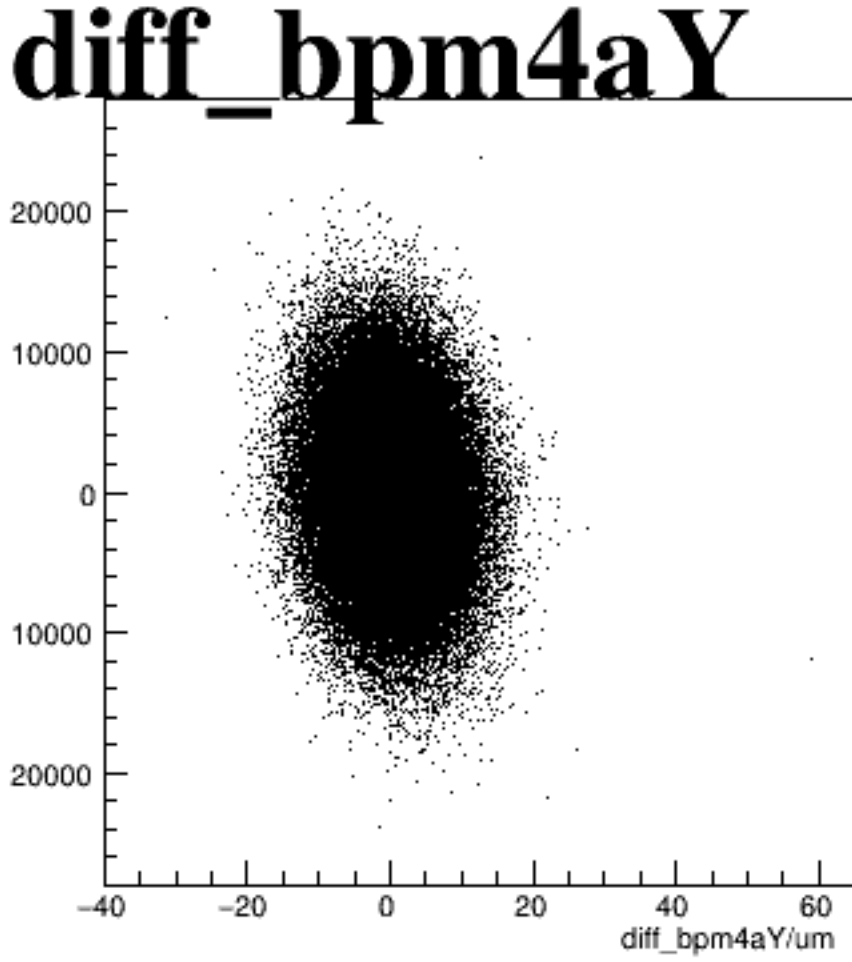
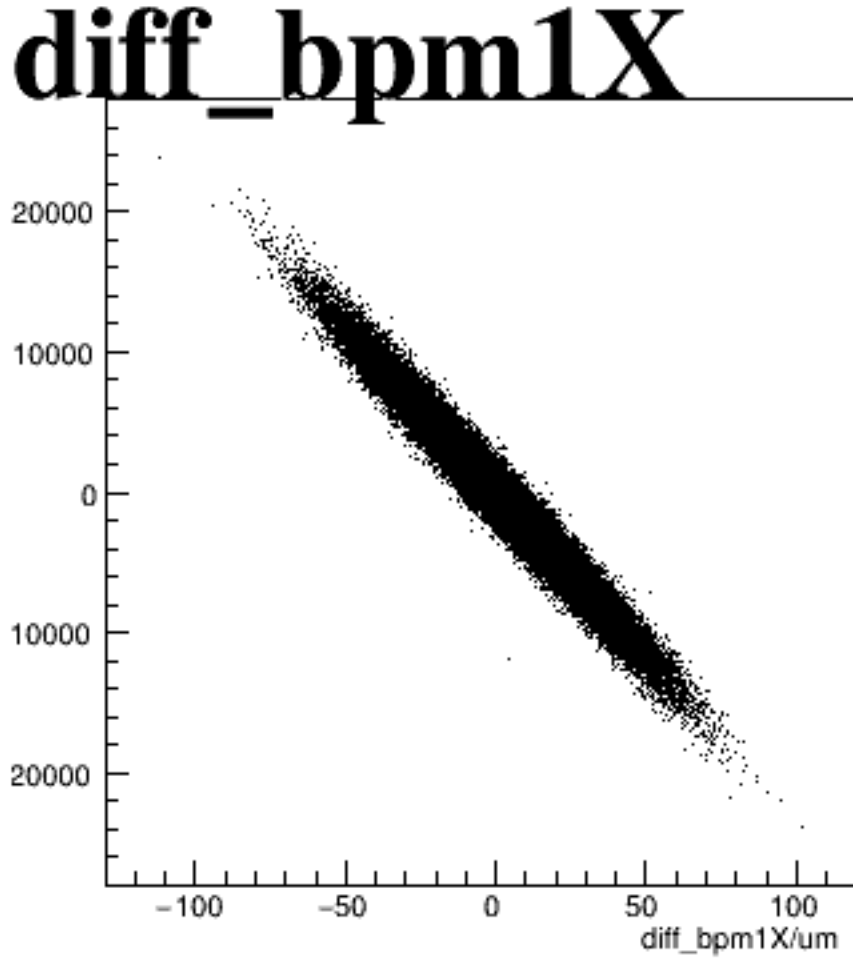
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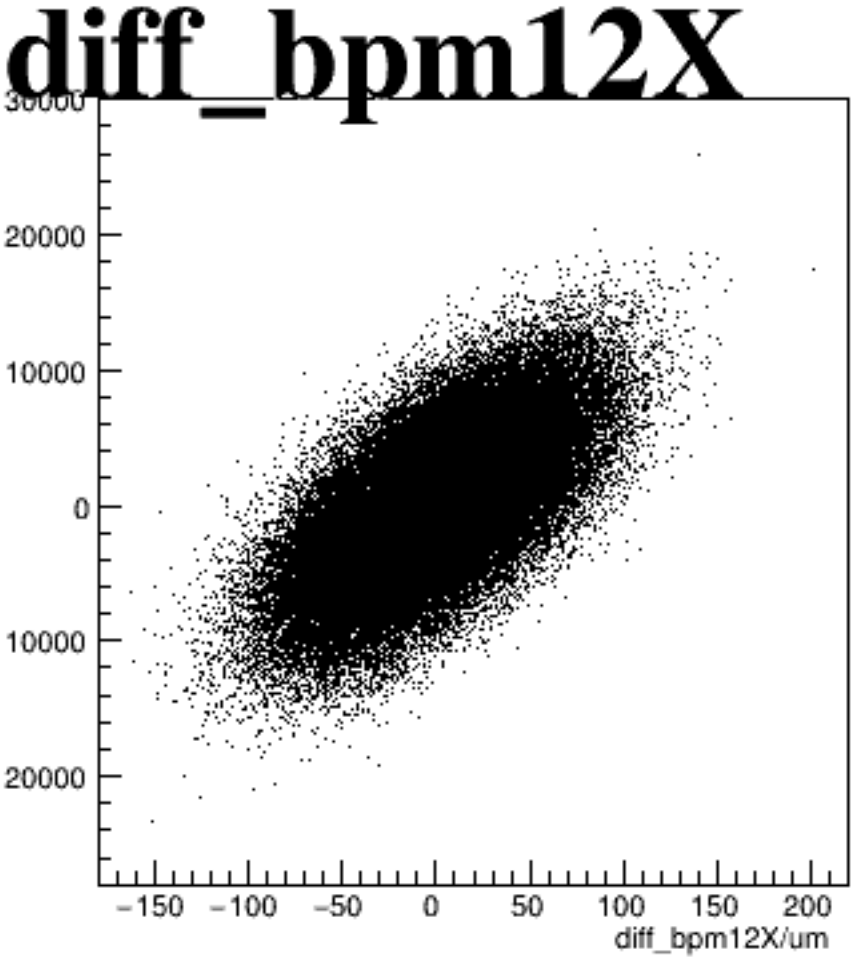
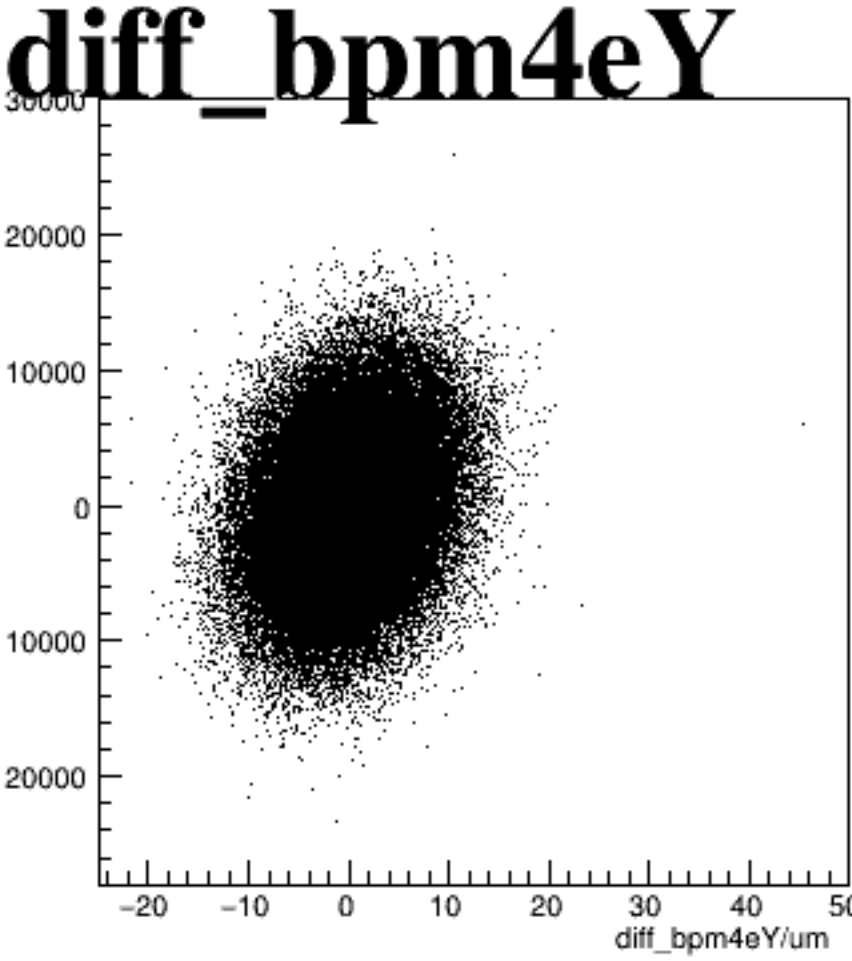
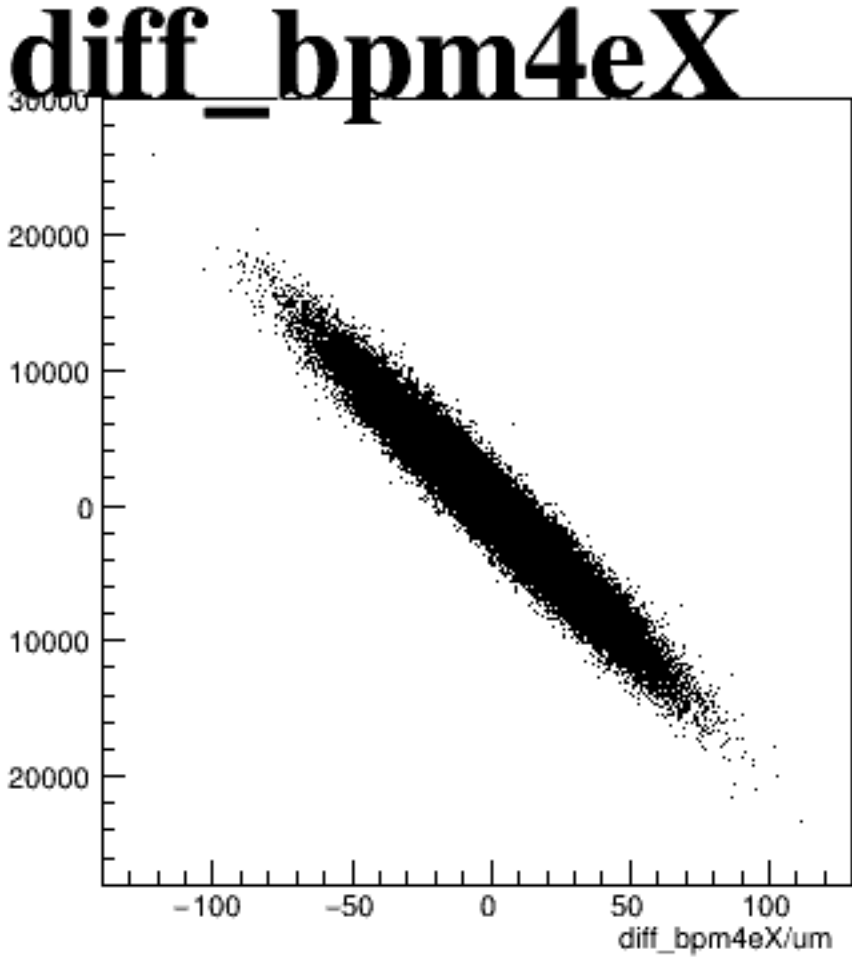
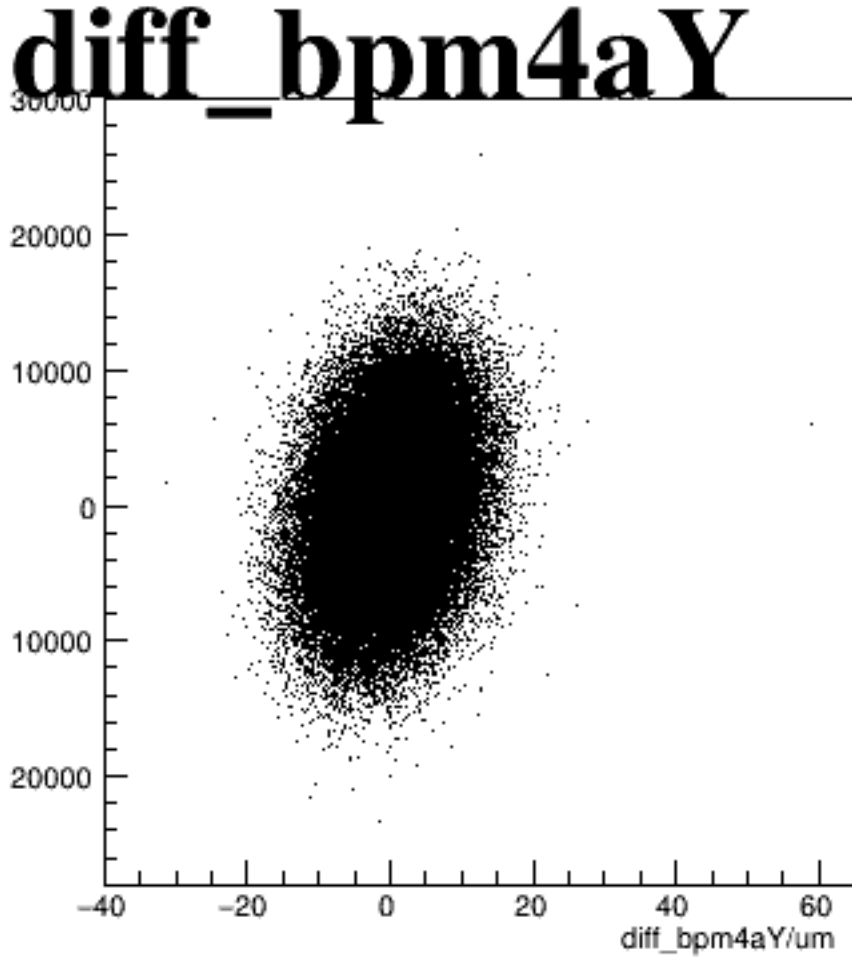
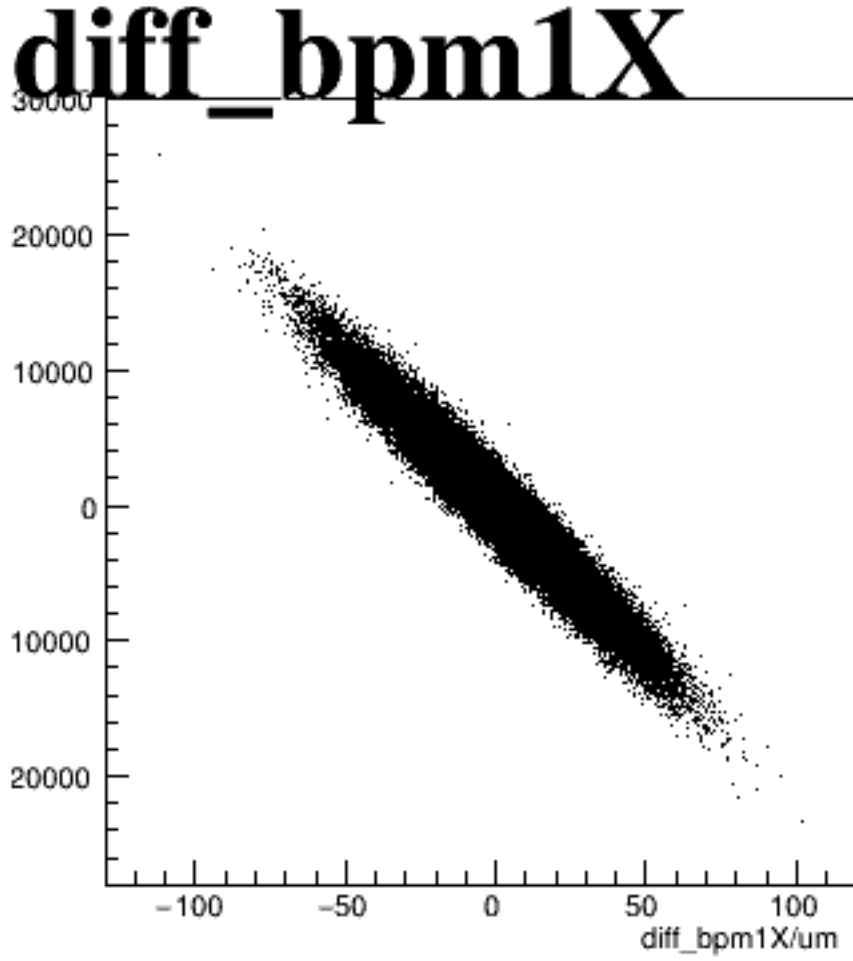
reg_asym_sam8



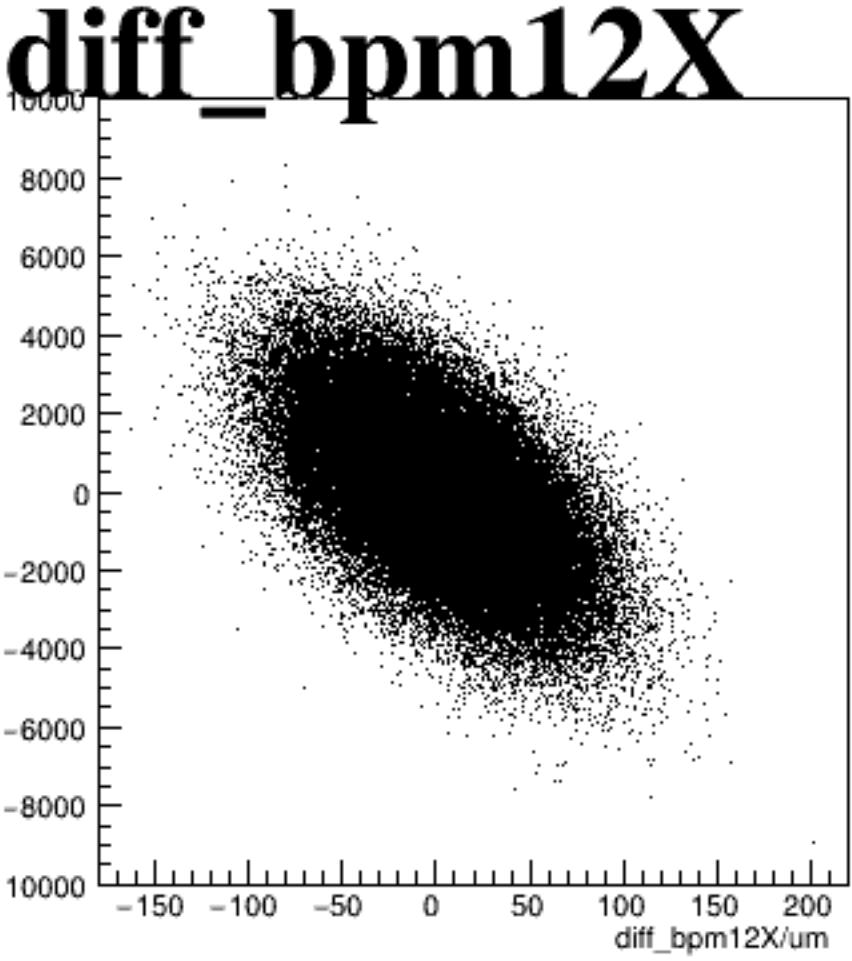
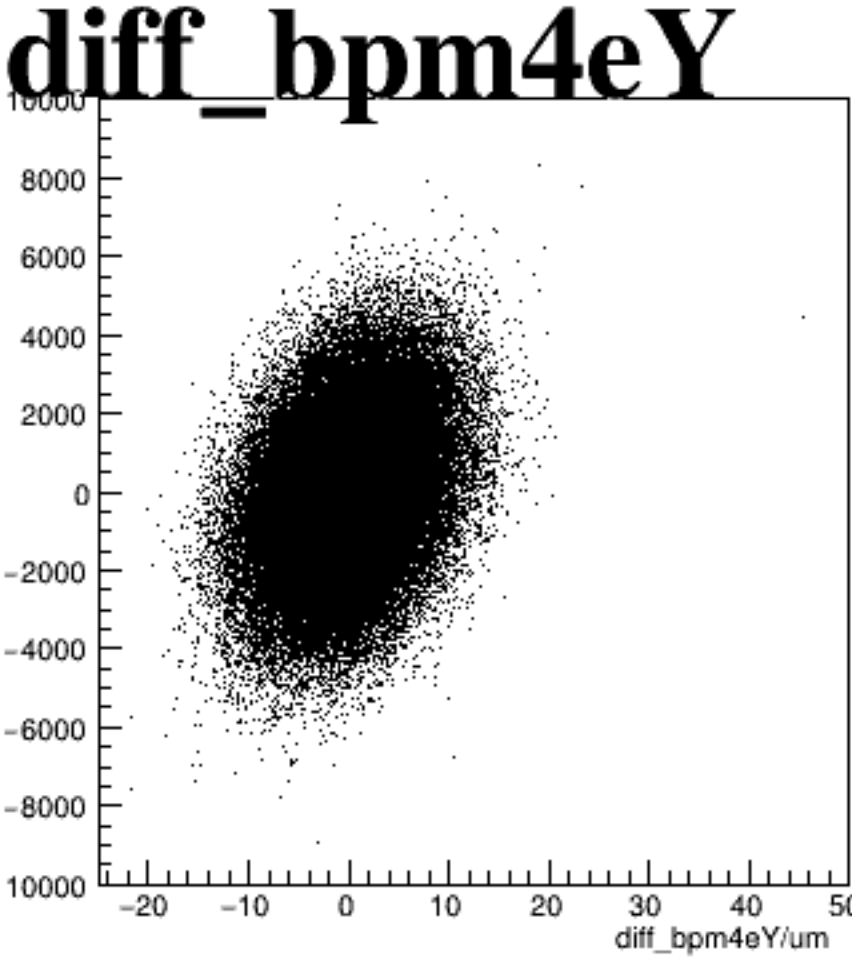
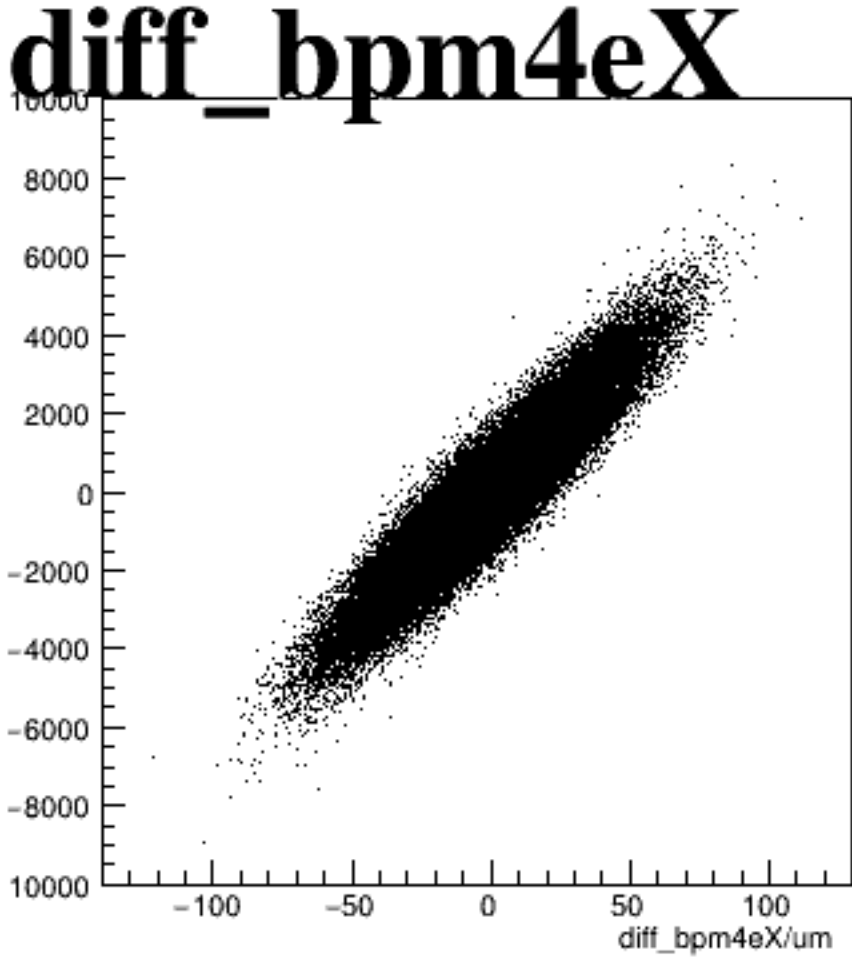
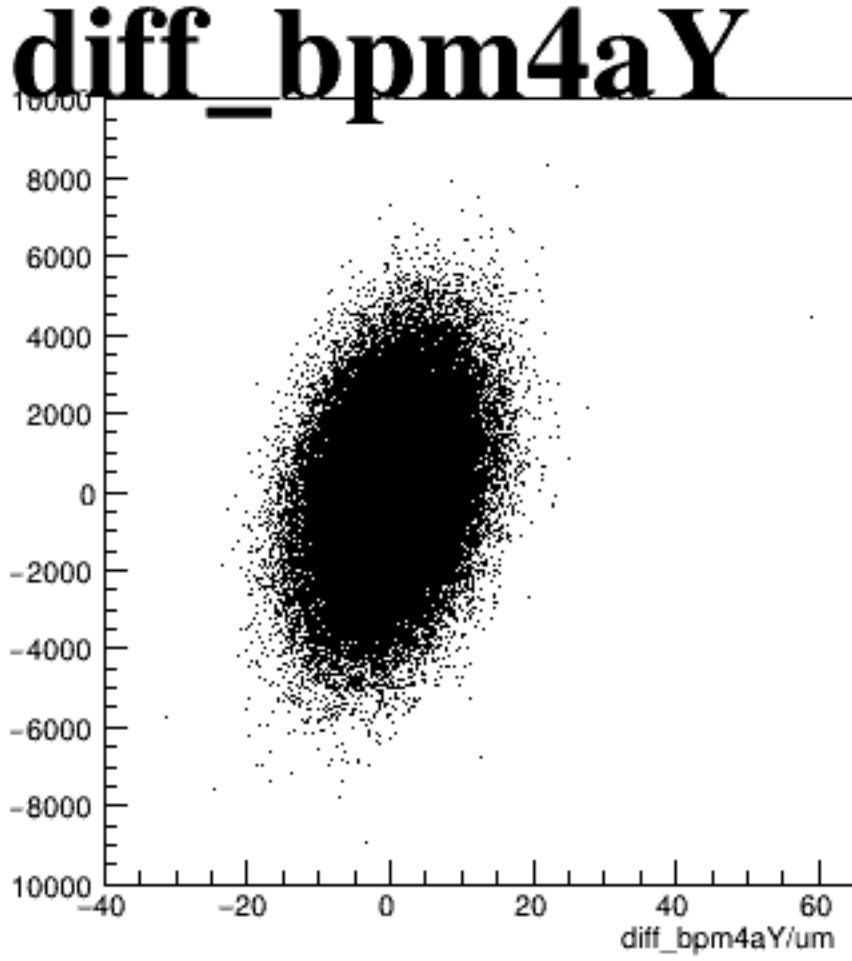
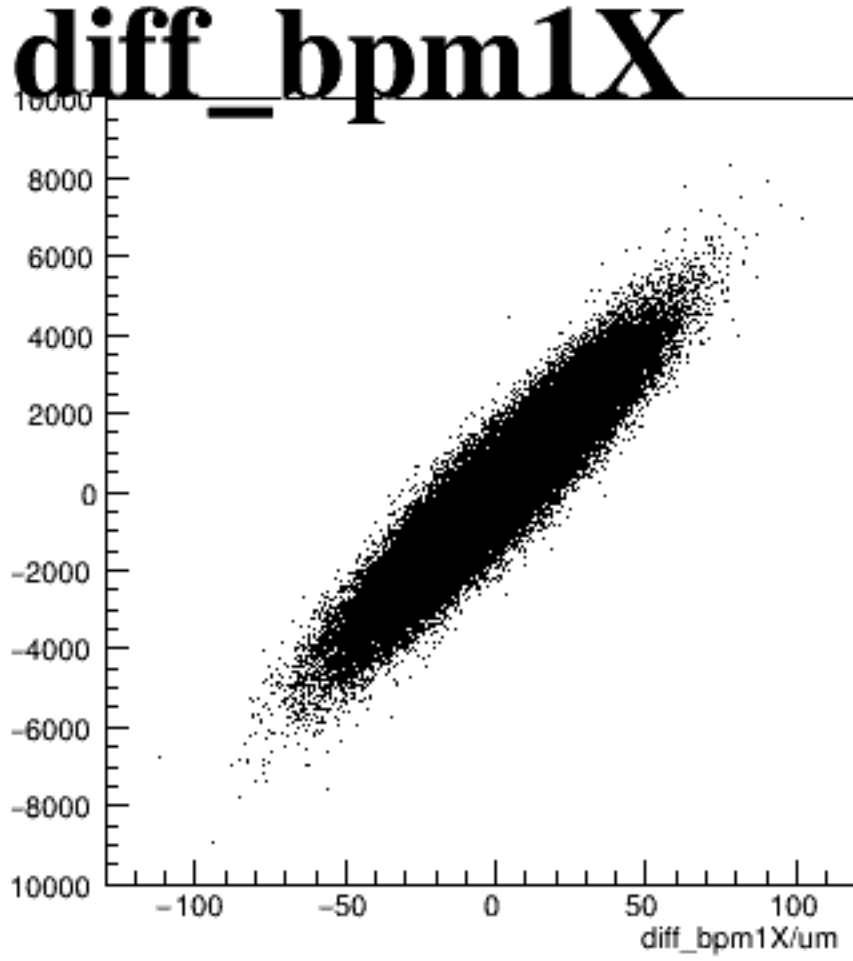
asym_sam2



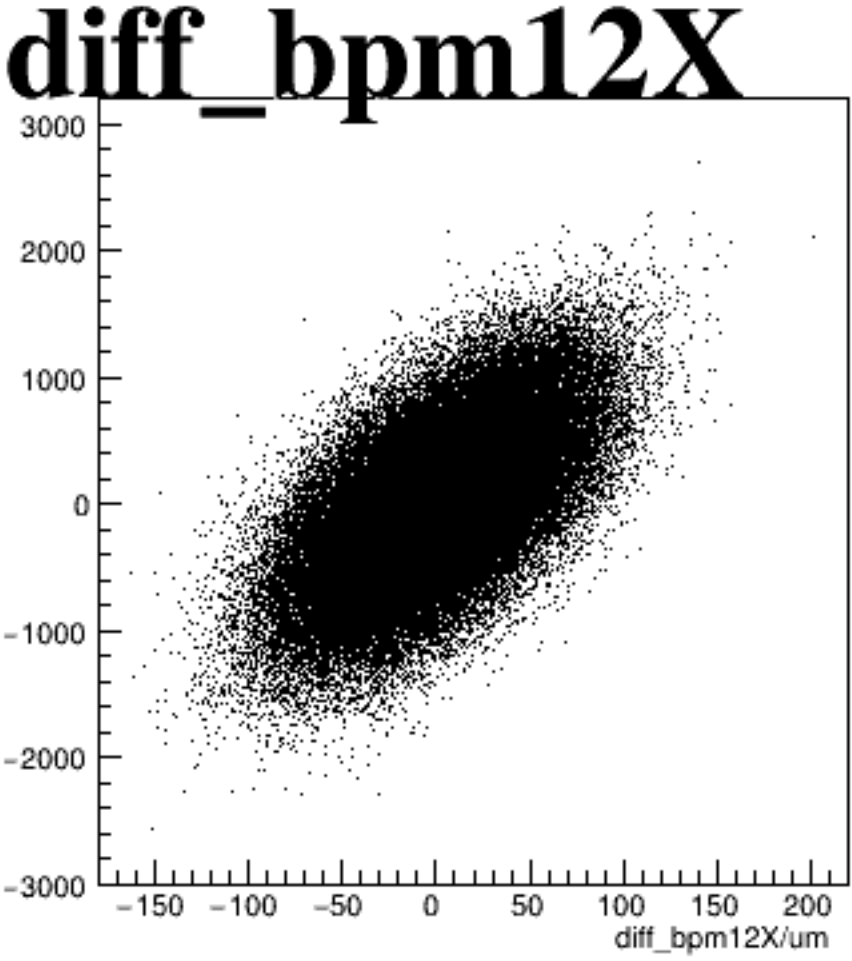
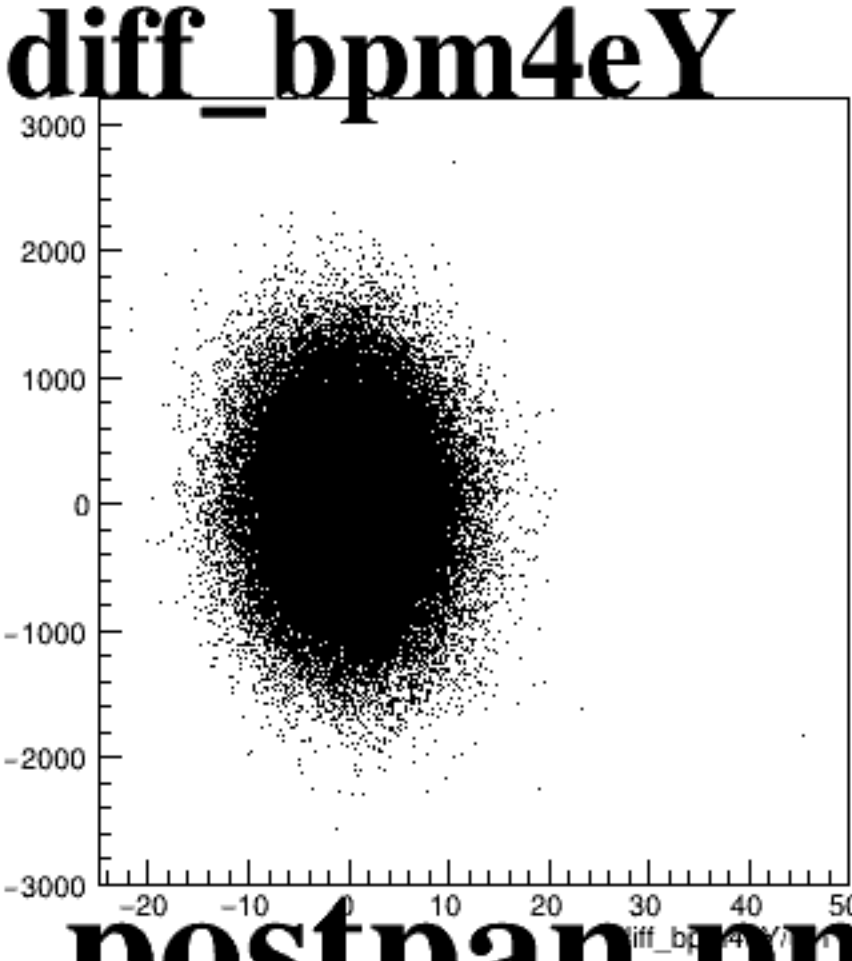
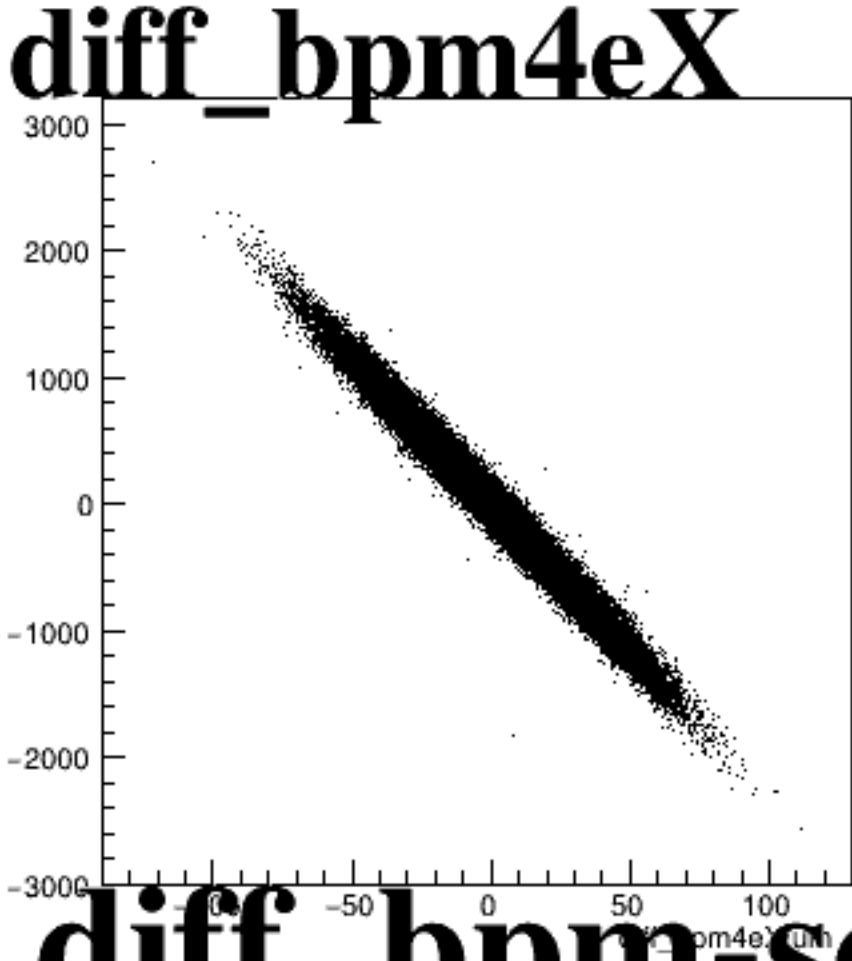
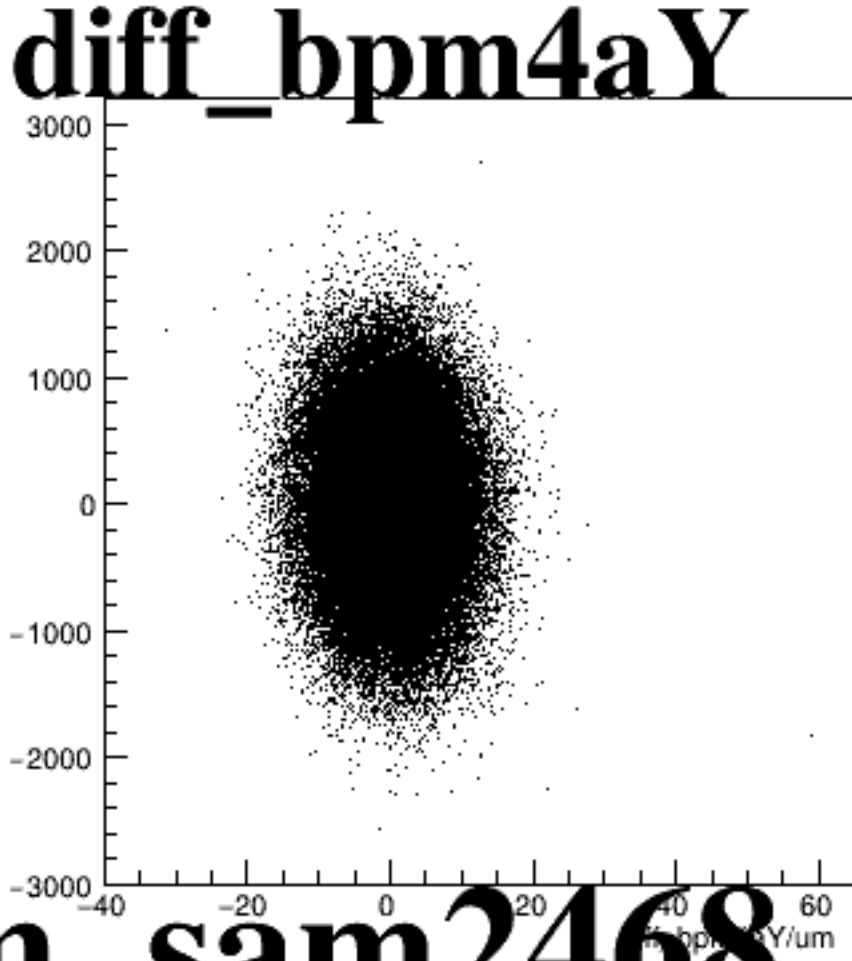
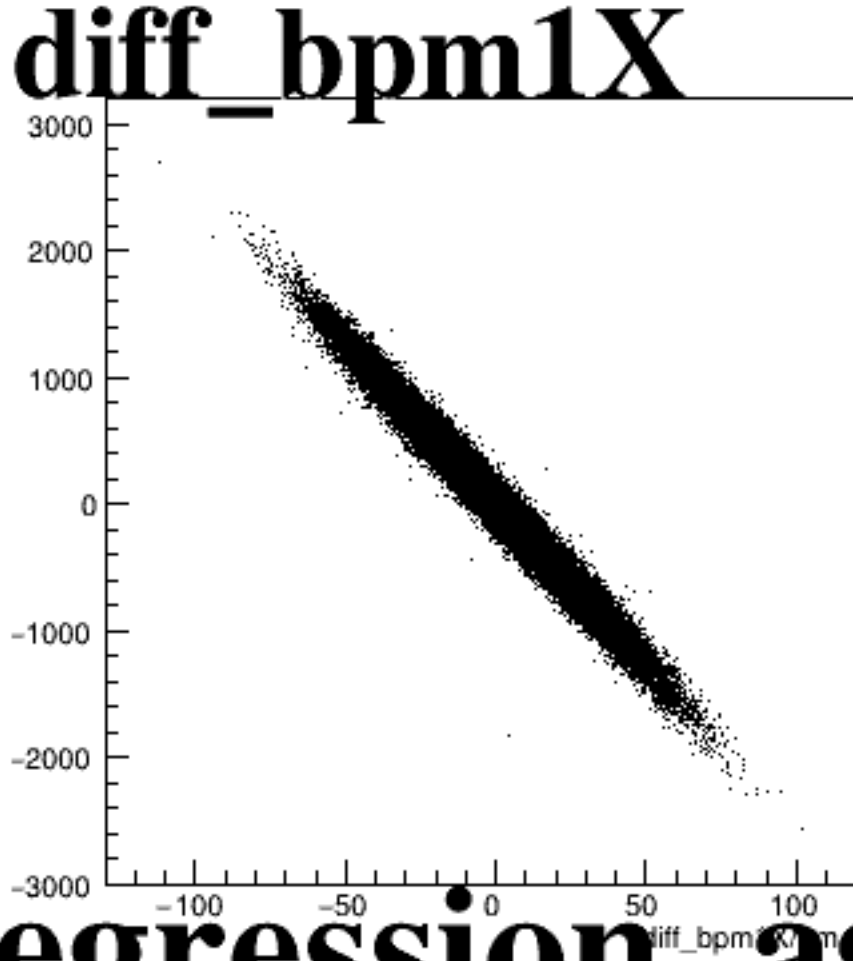
asym_sam4



asym_sam6



asym_sam8



The figure consists of five scatter plots arranged horizontally, each showing the distribution of differences between two measurements. The y-axis for all plots is labeled 'diff_bpmX' and ranges from -3000 to 4000. The x-axis for each plot is labeled 'diff_bpmY/um' and ranges from -100 to 100 for the first three plots, and -150 to 200 for the last two plots. The plots are titled 'diff_bpm1X', 'diff_bpm4aY', 'diff_bpm4eX', 'diff_bpm4eY', and 'diff_bpm12X'. Each plot shows a dense cloud of points centered around zero, indicating high agreement between the measurements.

The figure consists of five scatter plots arranged horizontally, each showing the distribution of differences in BPM coordinates for various beam parameters. The plots are titled: **diff_bpm1X**, **diff_bpm4aY**, **diff_bpm4eX**, **diff_bpm4eY**, and **diff_bpm12X**. Each plot shows a dense cloud of points centered around zero, indicating that the differences are small and centered on the origin.

- diff_bpm1X**: The x-axis ranges from -100 to 100, and the y-axis ranges from -2000 to 2000. The distribution is centered at (0,0).
- diff_bpm4aY**: The x-axis ranges from -40 to 60, and the y-axis ranges from -2000 to 2000. The distribution is centered at (0,0).
- diff_bpm4eX**: The x-axis ranges from -100 to 100, and the y-axis ranges from -2000 to 2000. The distribution is centered at (0,0).
- diff_bpm4eY**: The x-axis ranges from -20 to 50, and the y-axis ranges from -2000 to 2000. The distribution is centered at (0,0).
- diff_bpm12X**: The x-axis ranges from -150 to 200, and the y-axis ranges from -2000 to 2000. The distribution is centered at (0,0).

diff_bpm1X

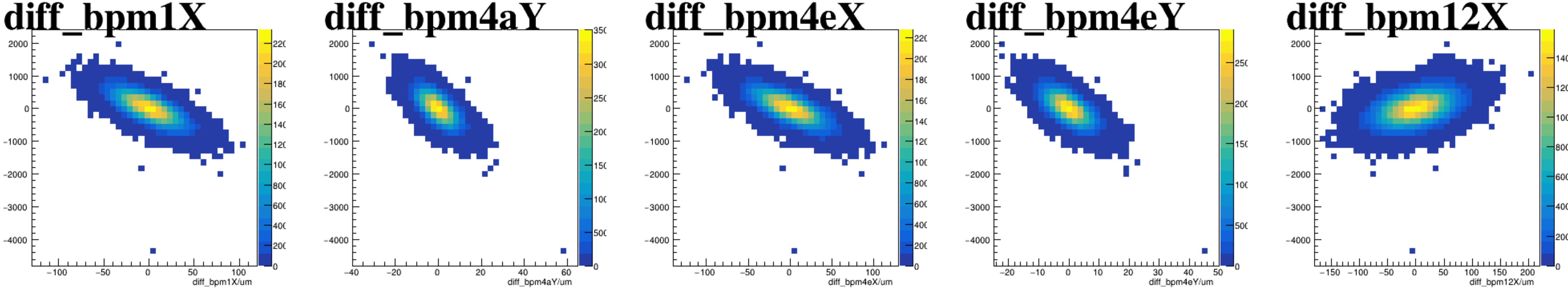
diff_bpm4aY

diff_bpm4eX

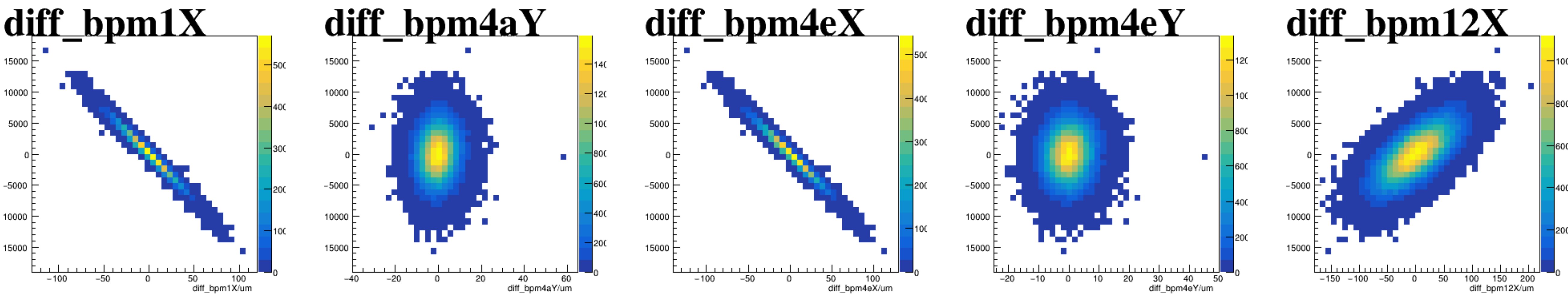
diff_bpm4eY

diff_bpm12X

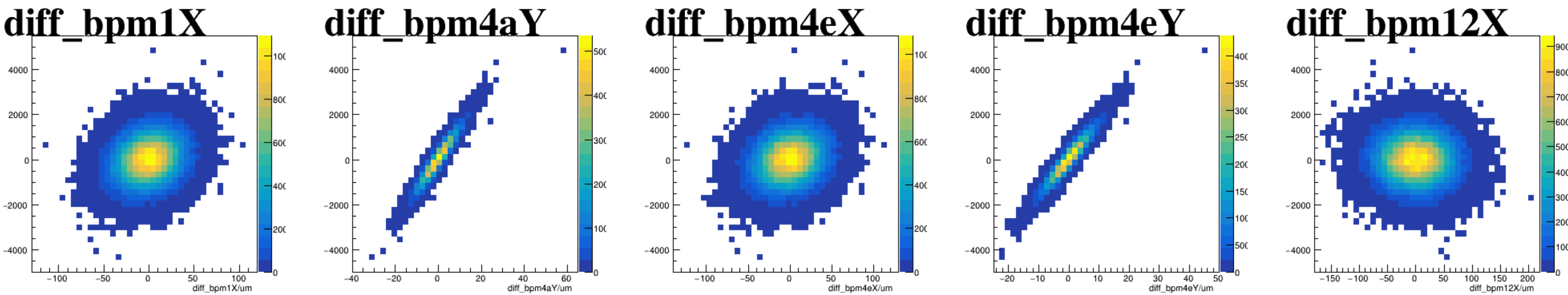
asym_sam1



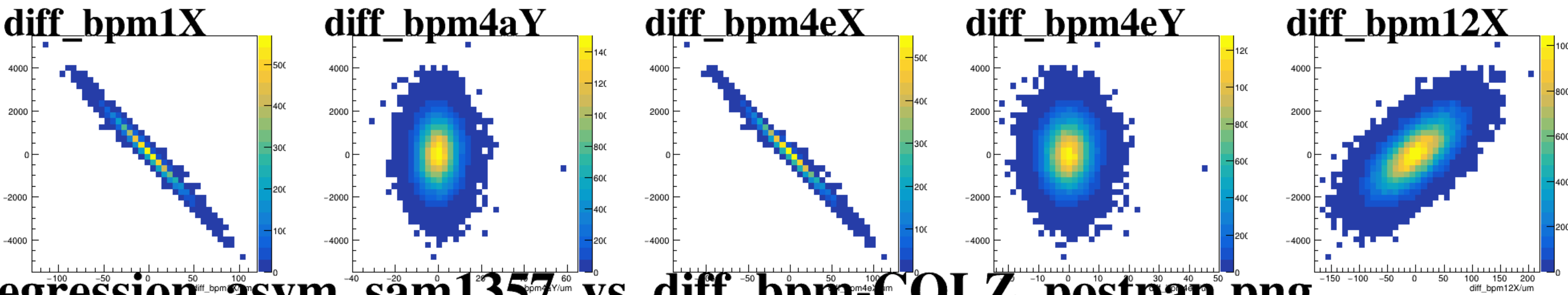
asym_sam3



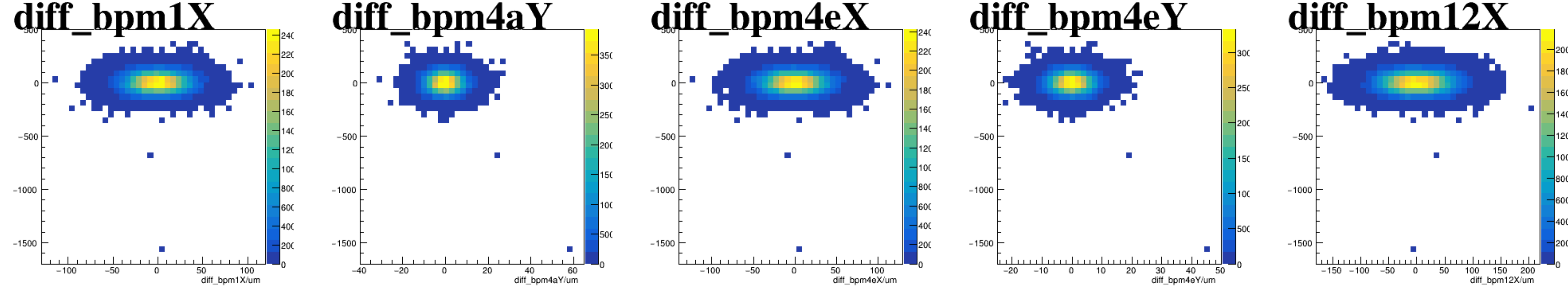
asym_sam5



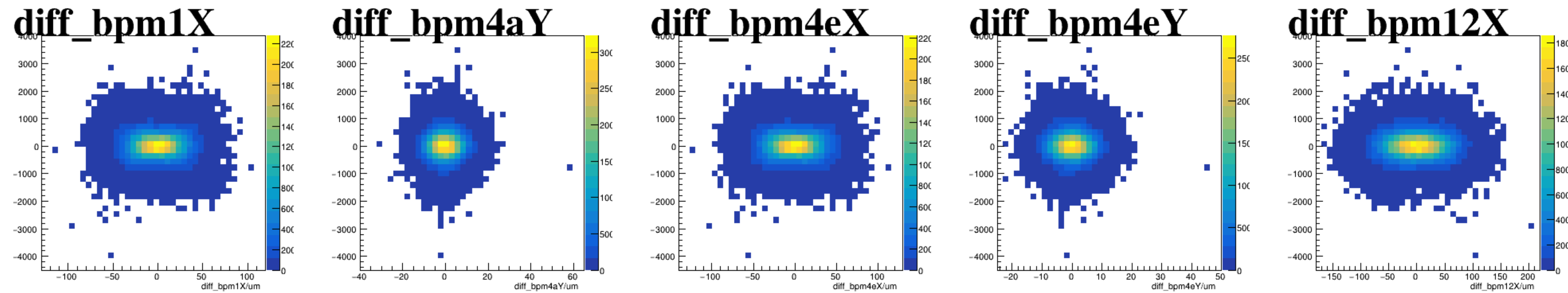
asym_sam7



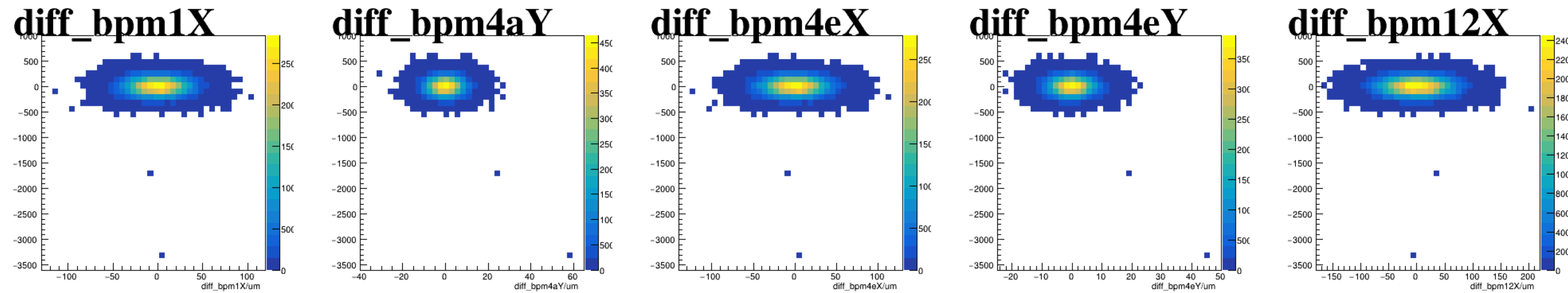
reg_asym_sam1



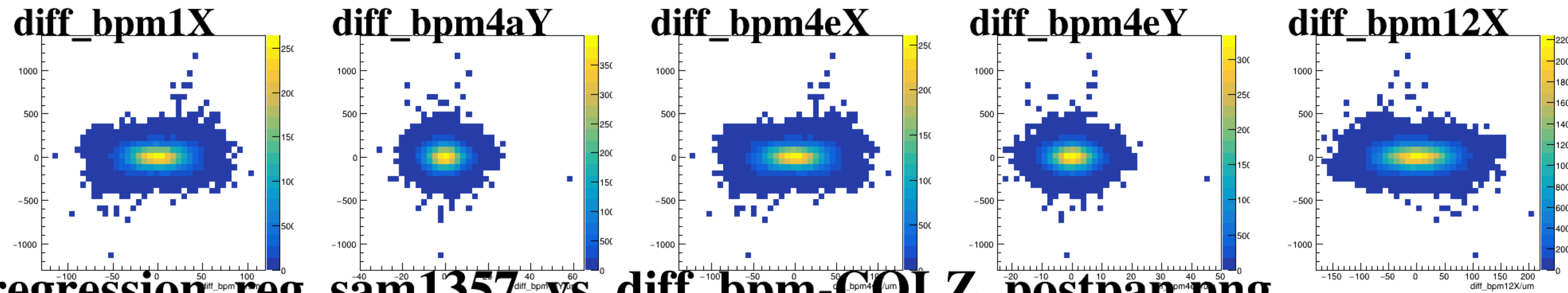
reg_asym_sam3



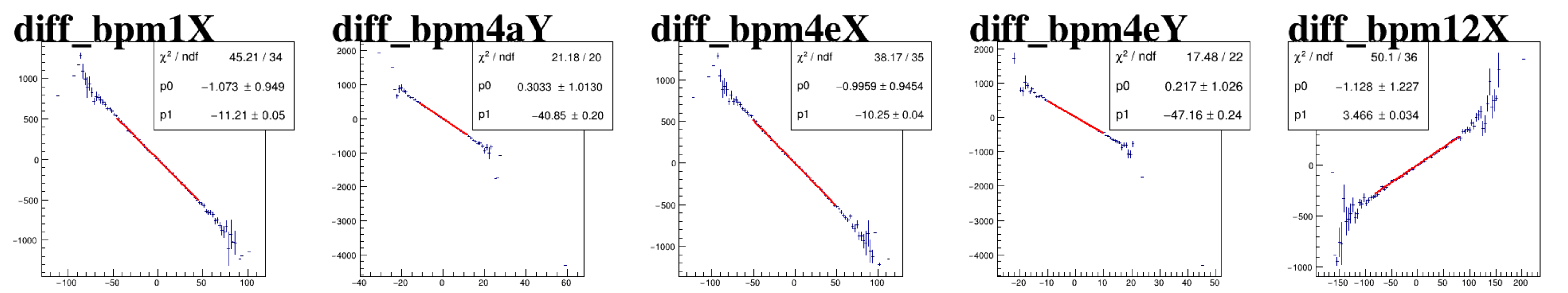
reg_asym_sam5



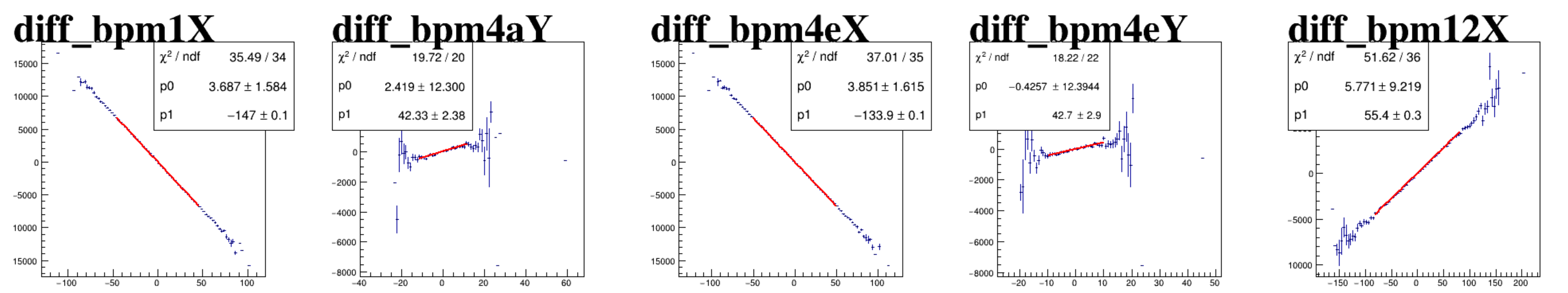
reg_asym_sam7



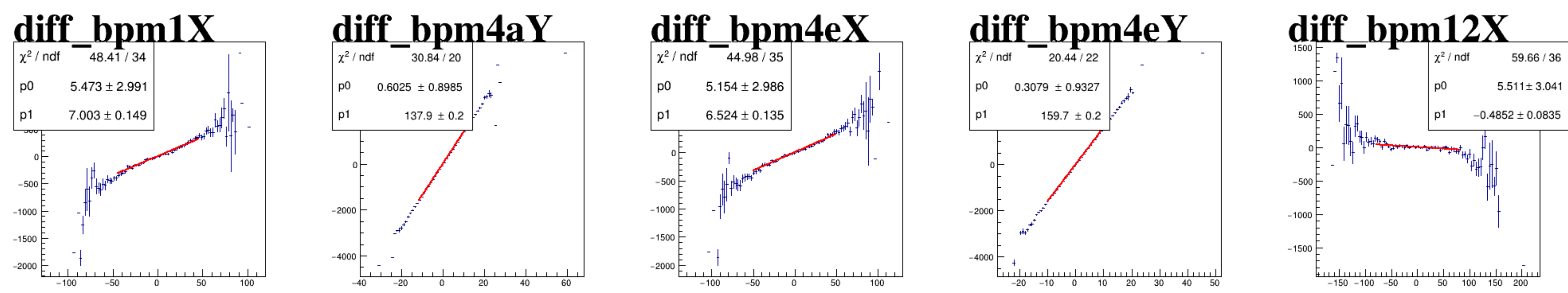
asym_sam1



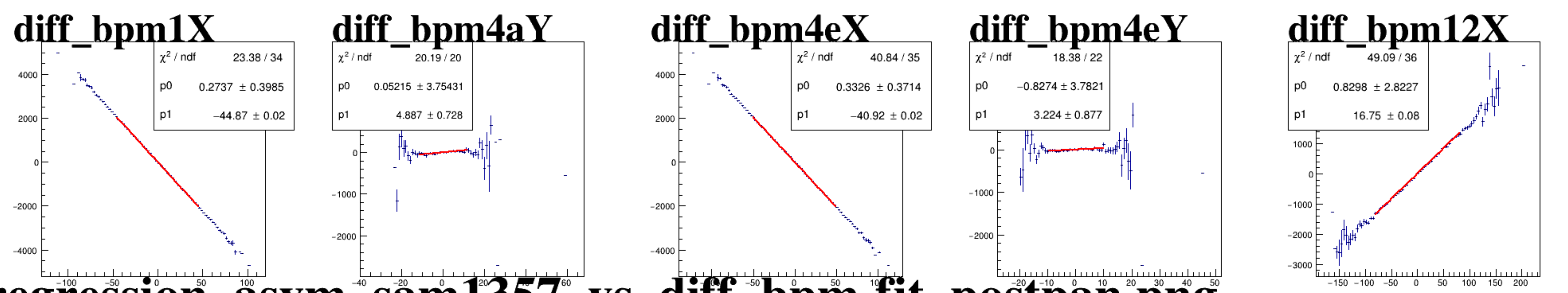
asym_sam3



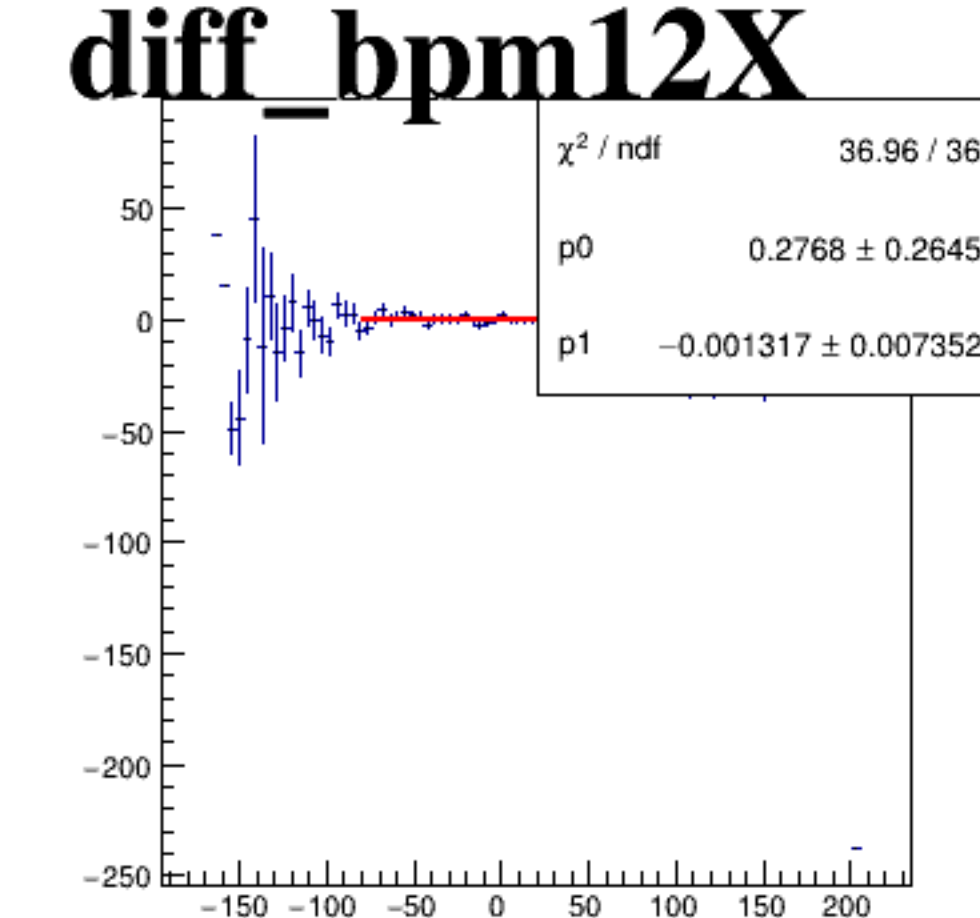
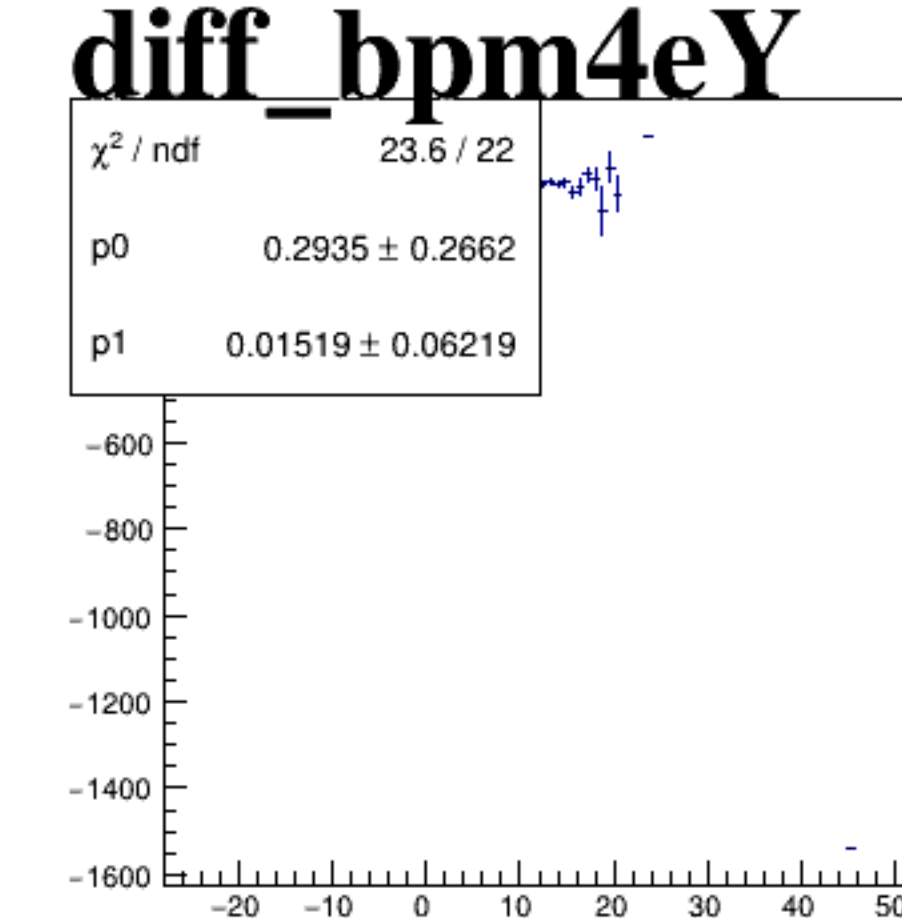
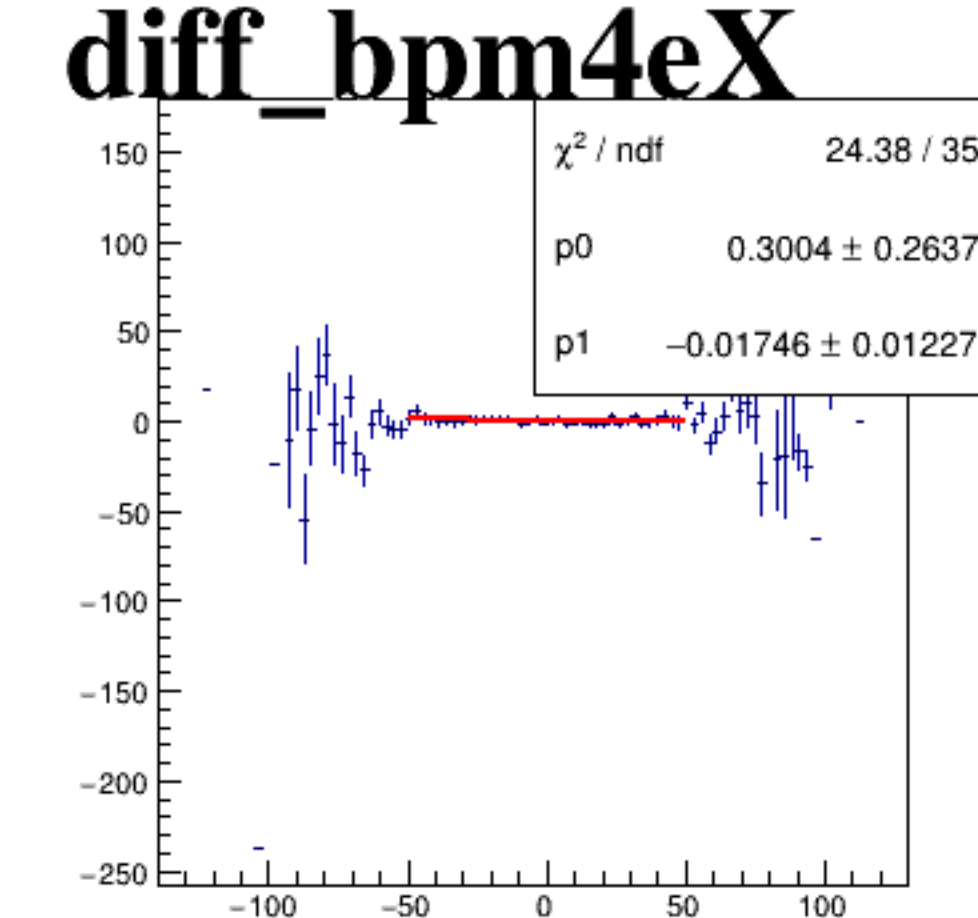
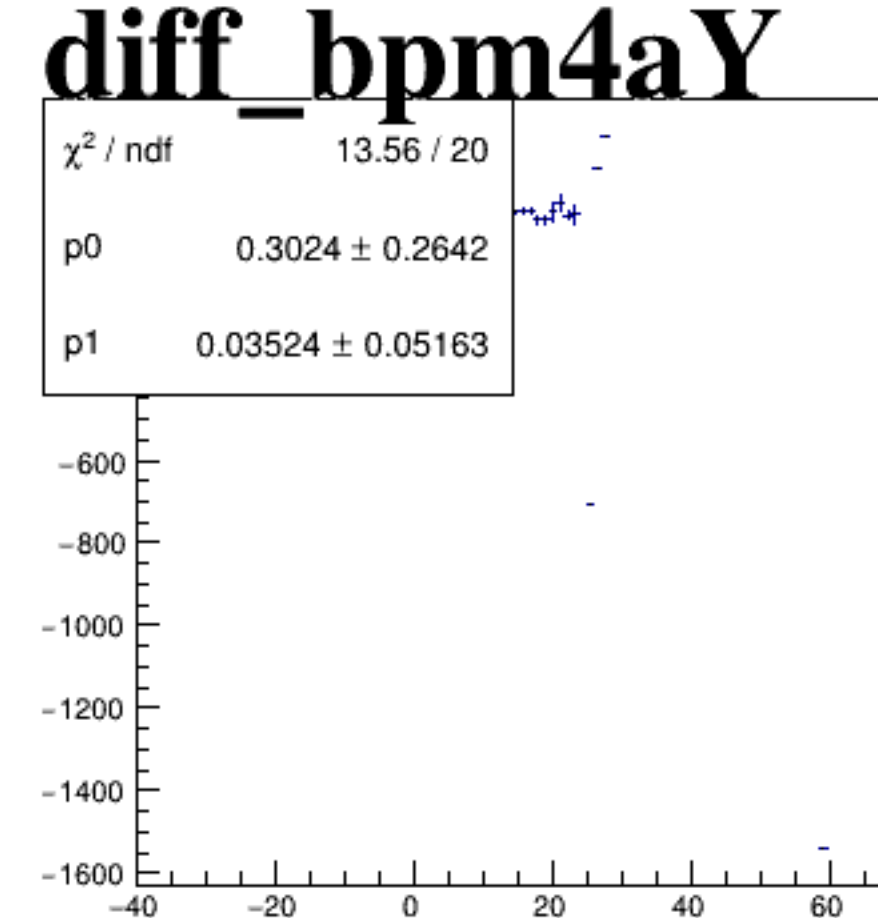
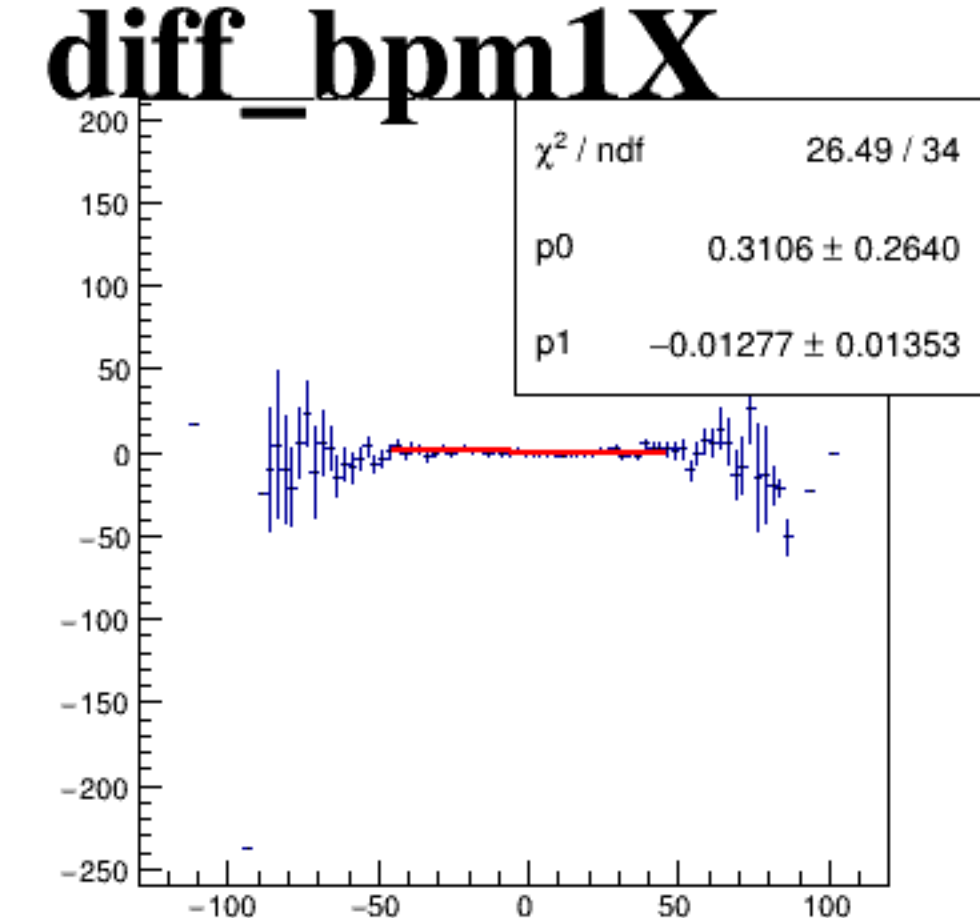
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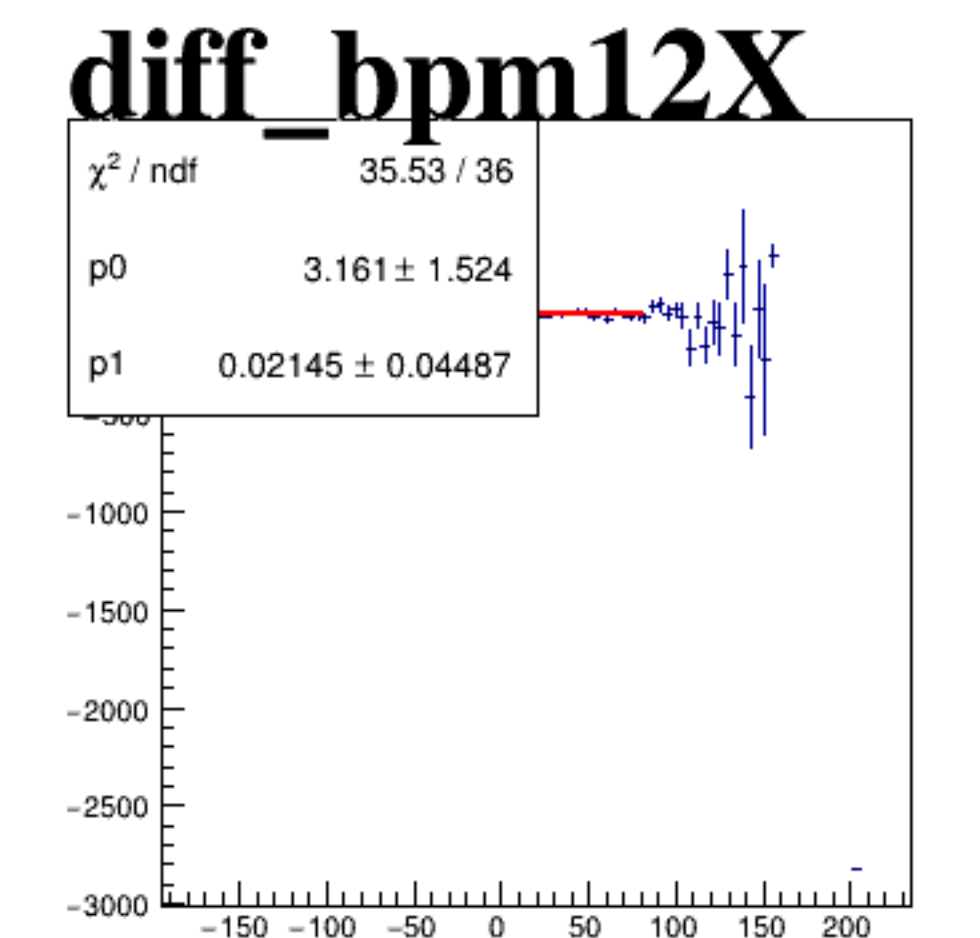
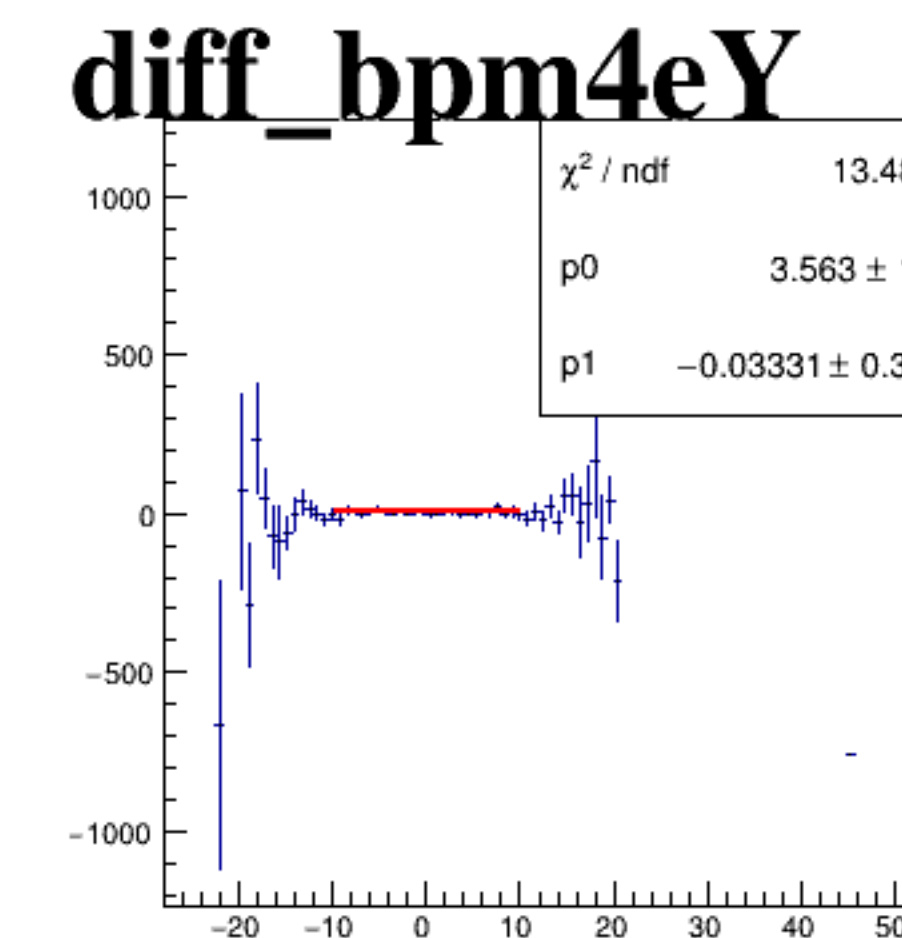
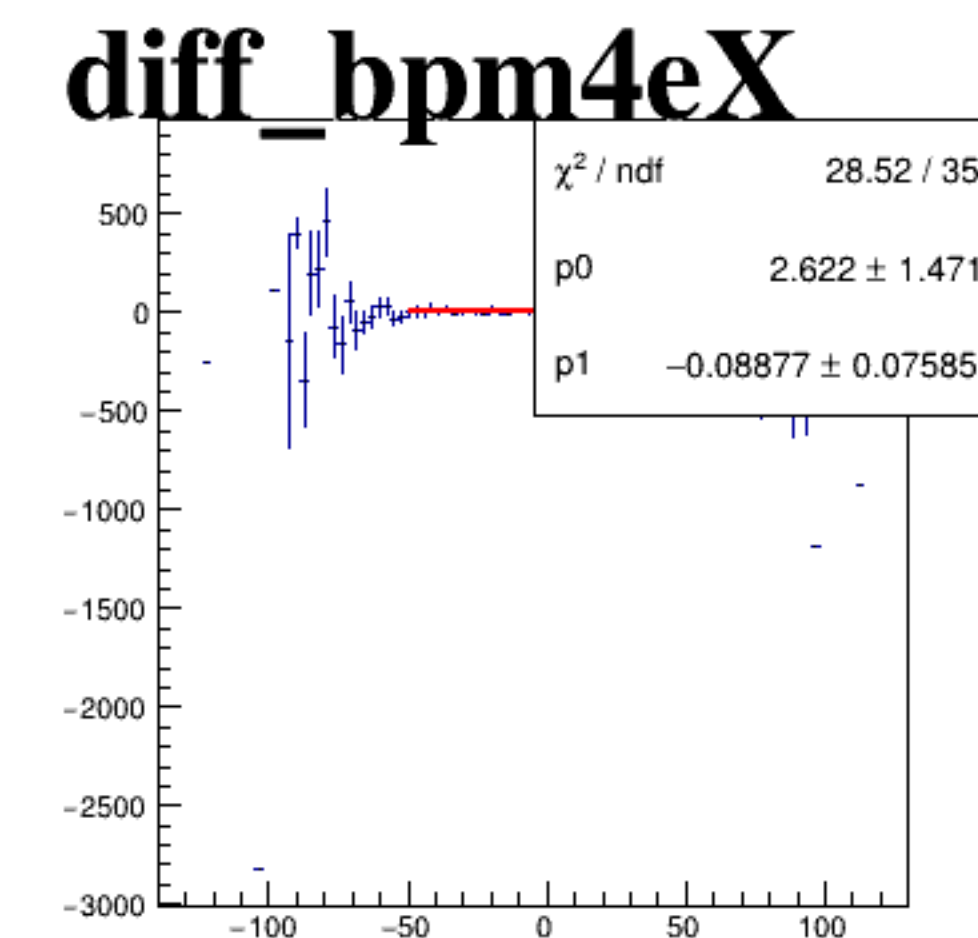
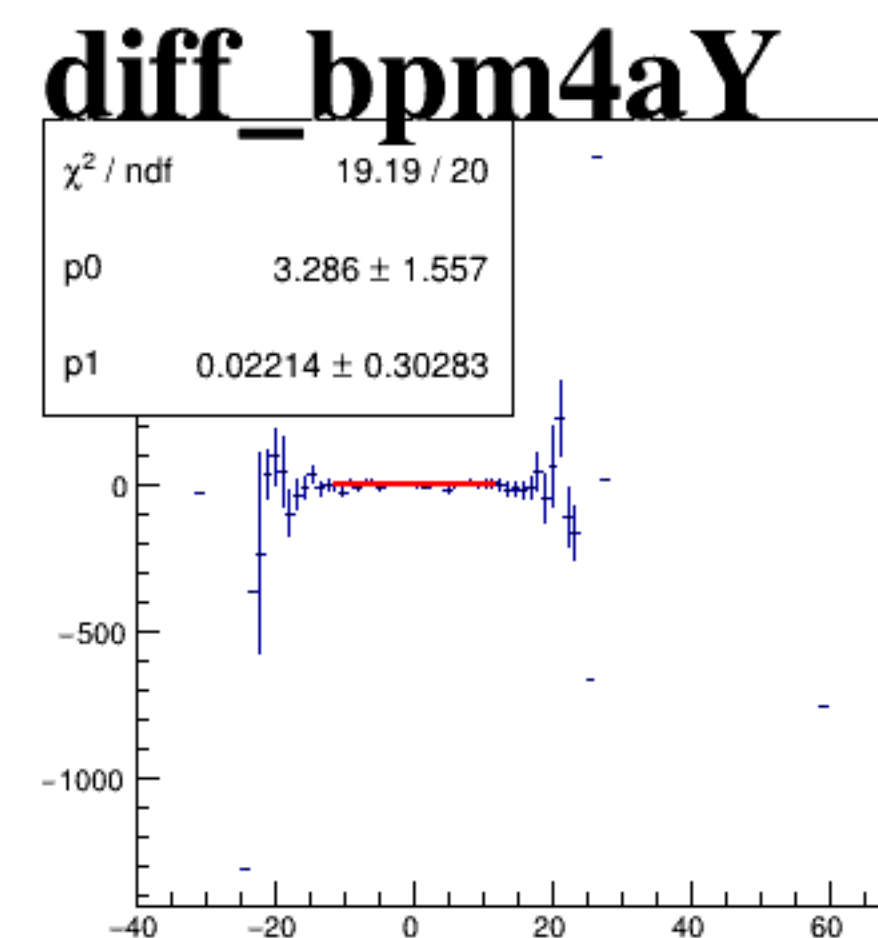
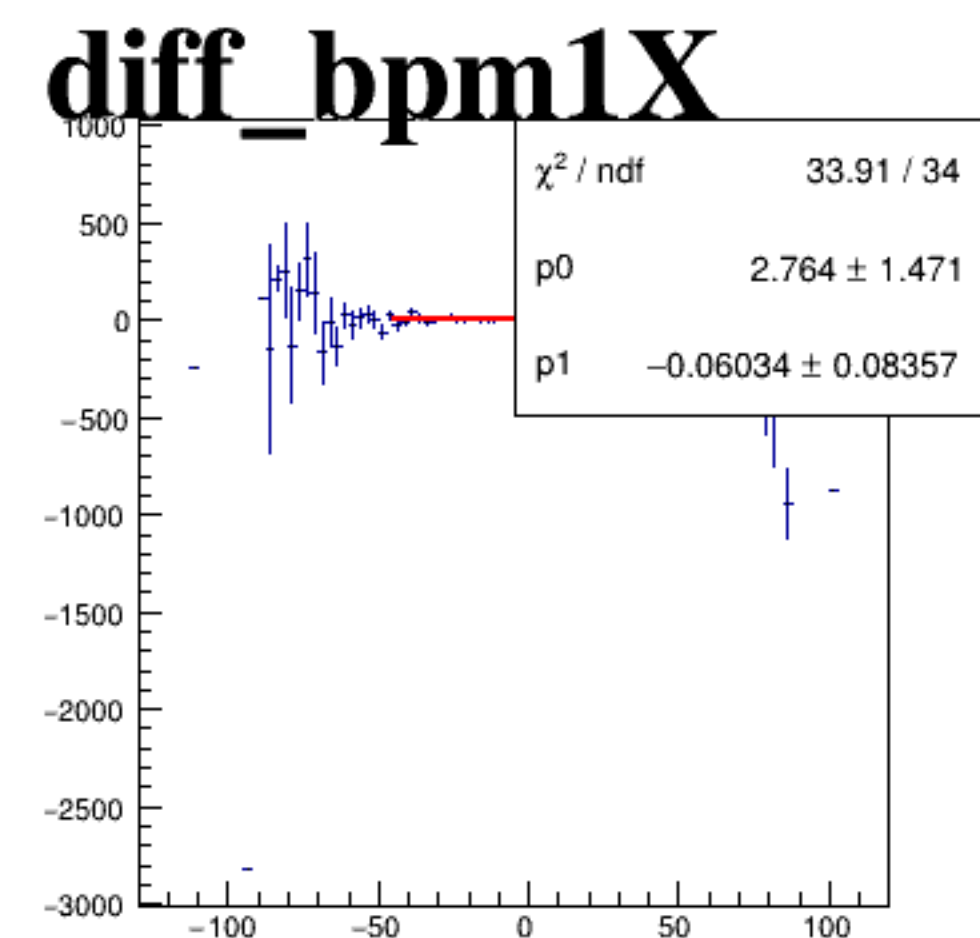
asym_sam7



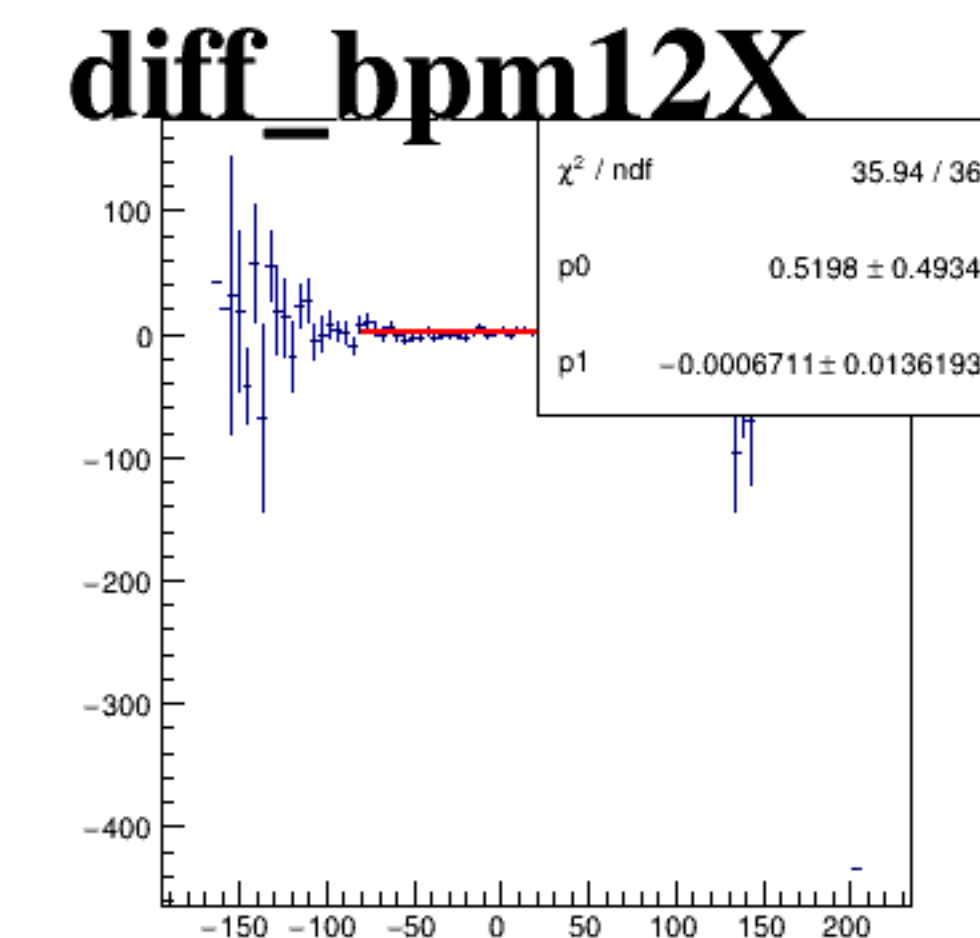
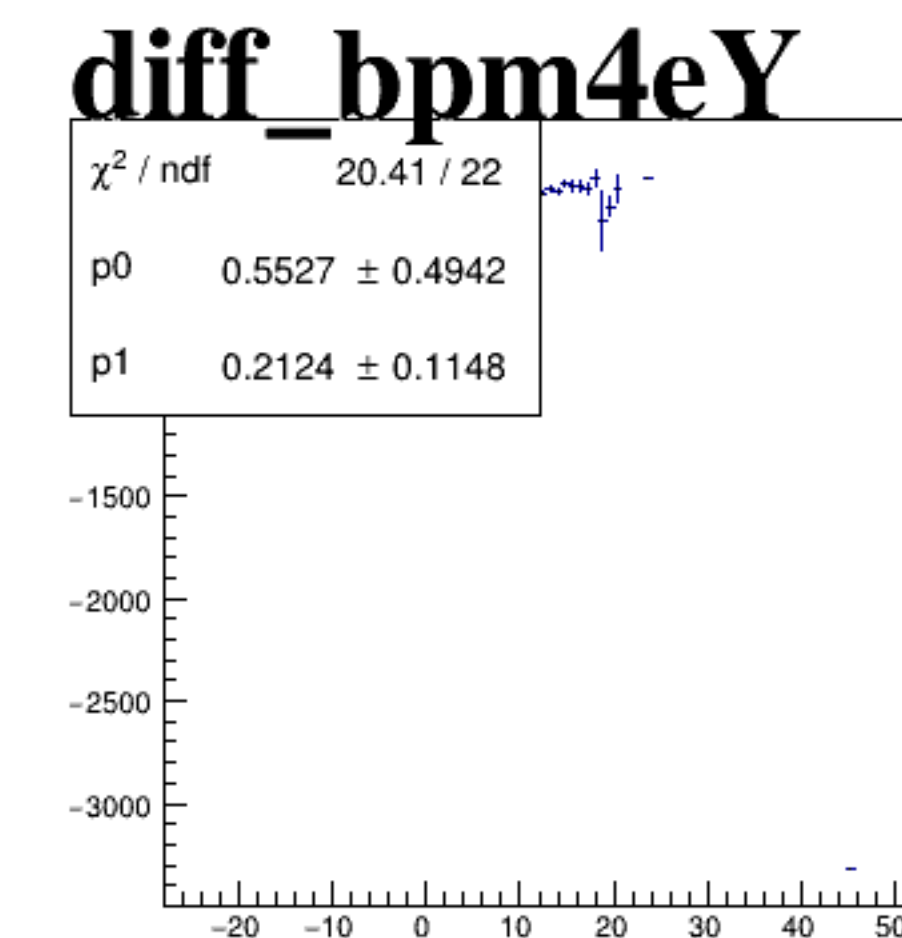
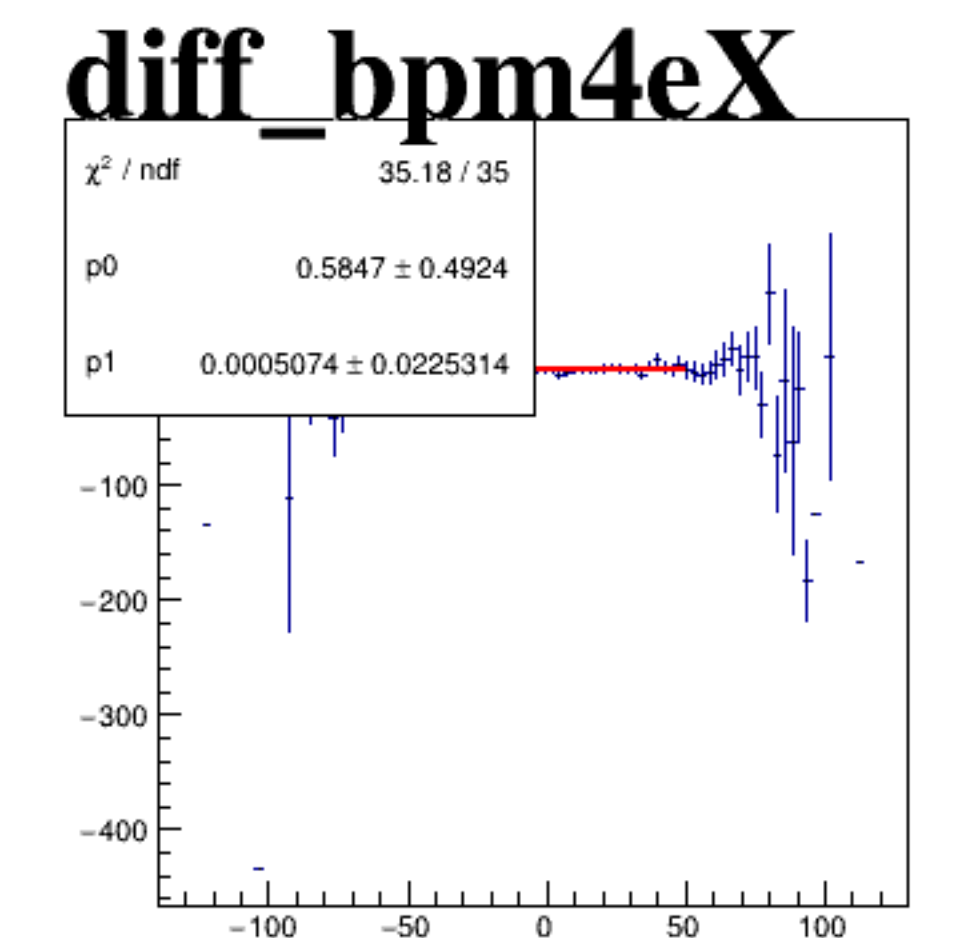
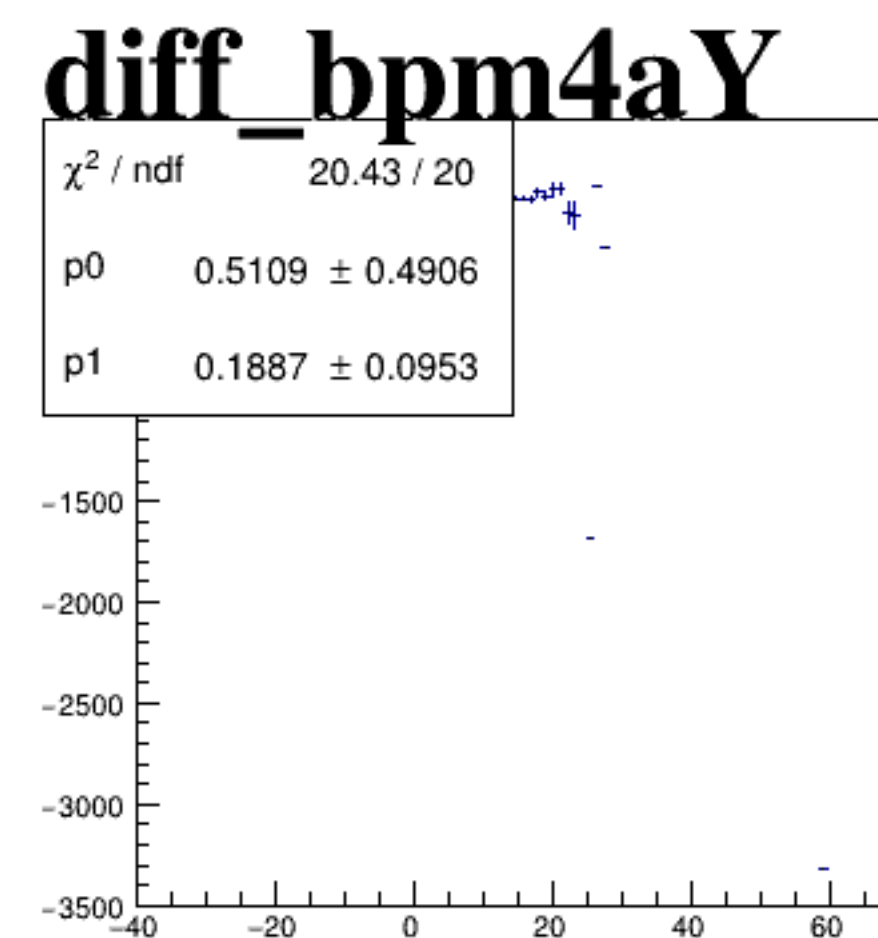
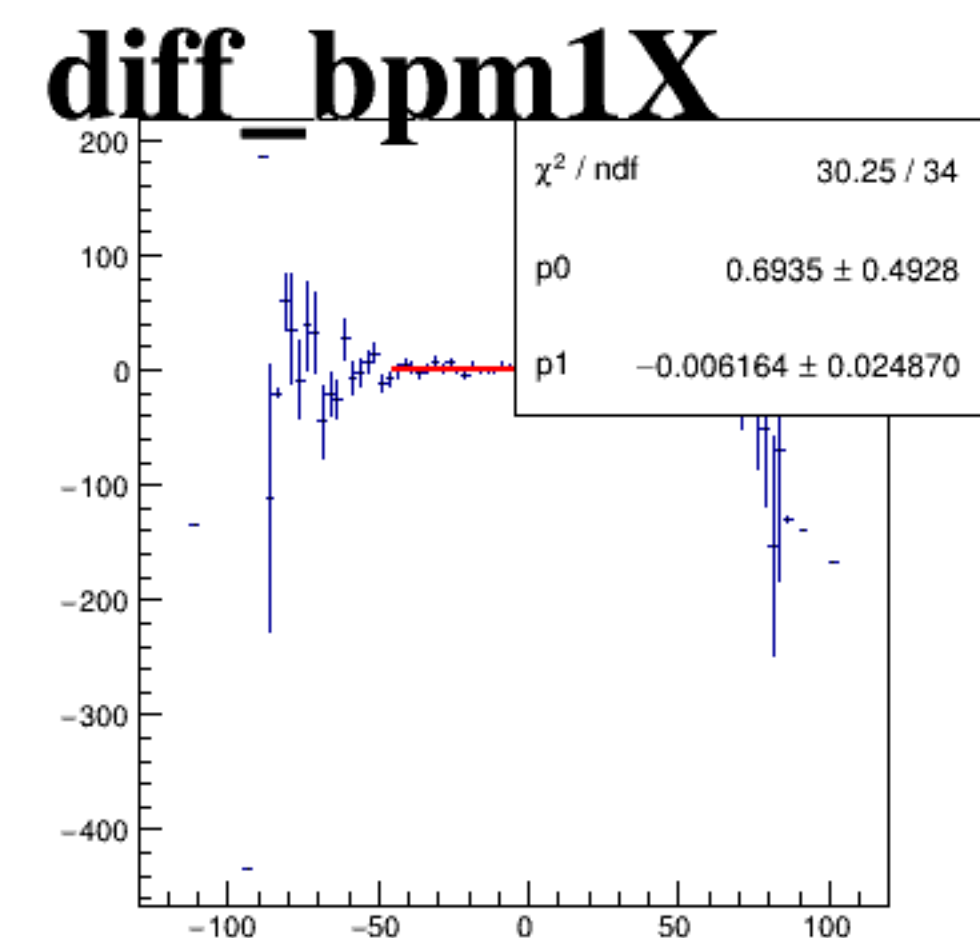
reg_asym_sam1



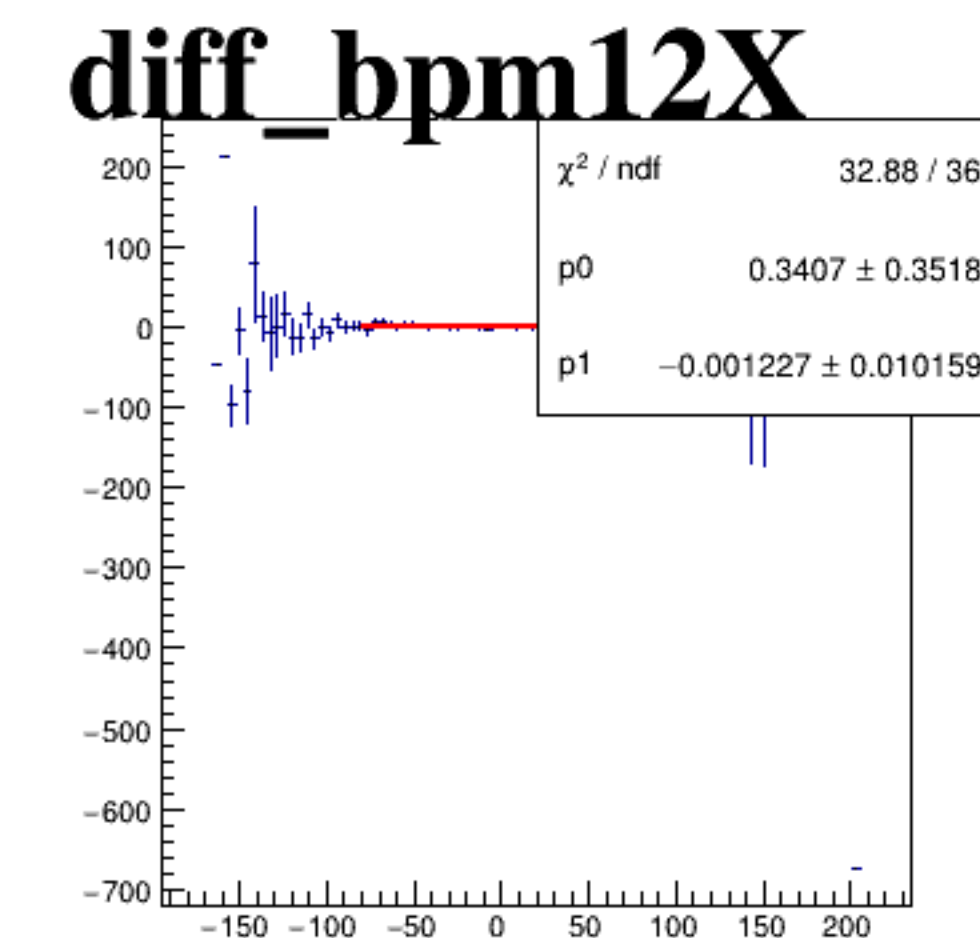
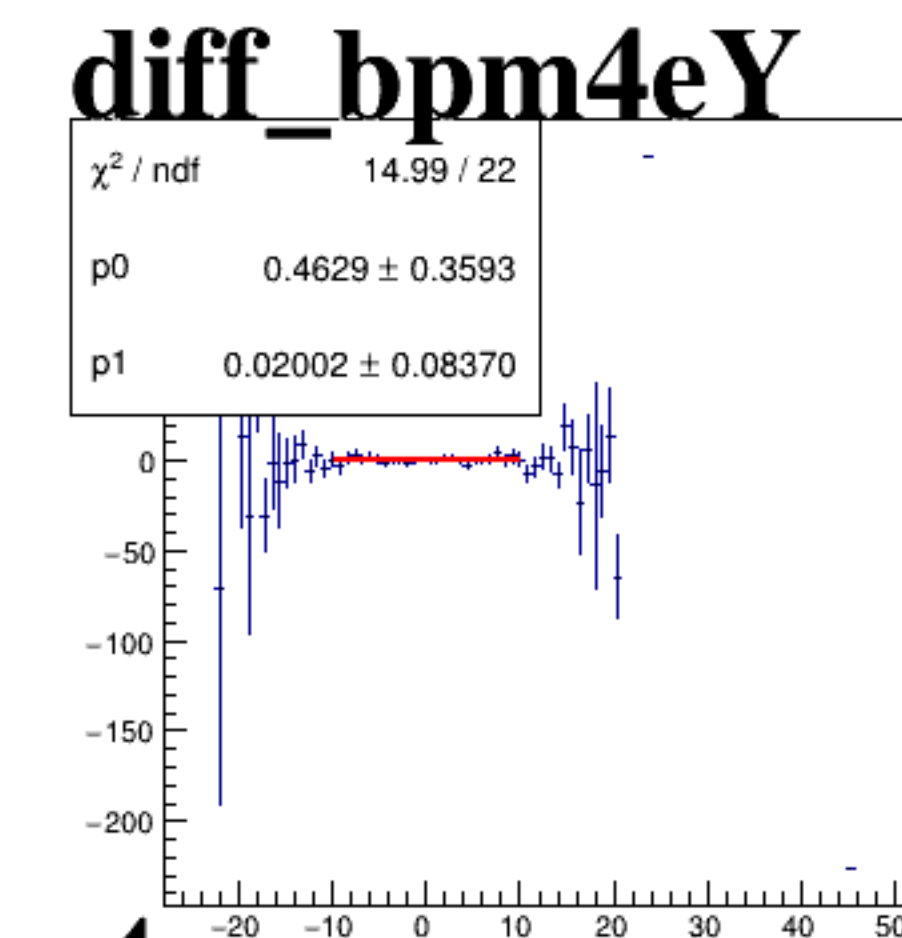
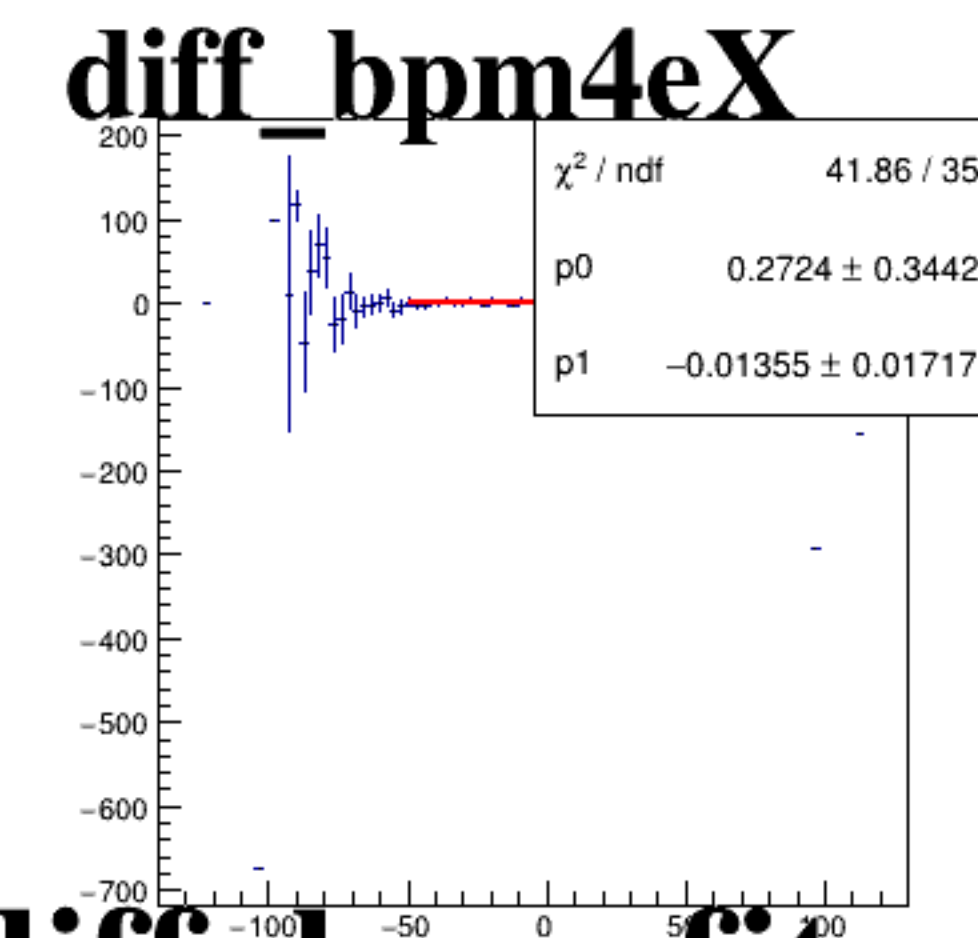
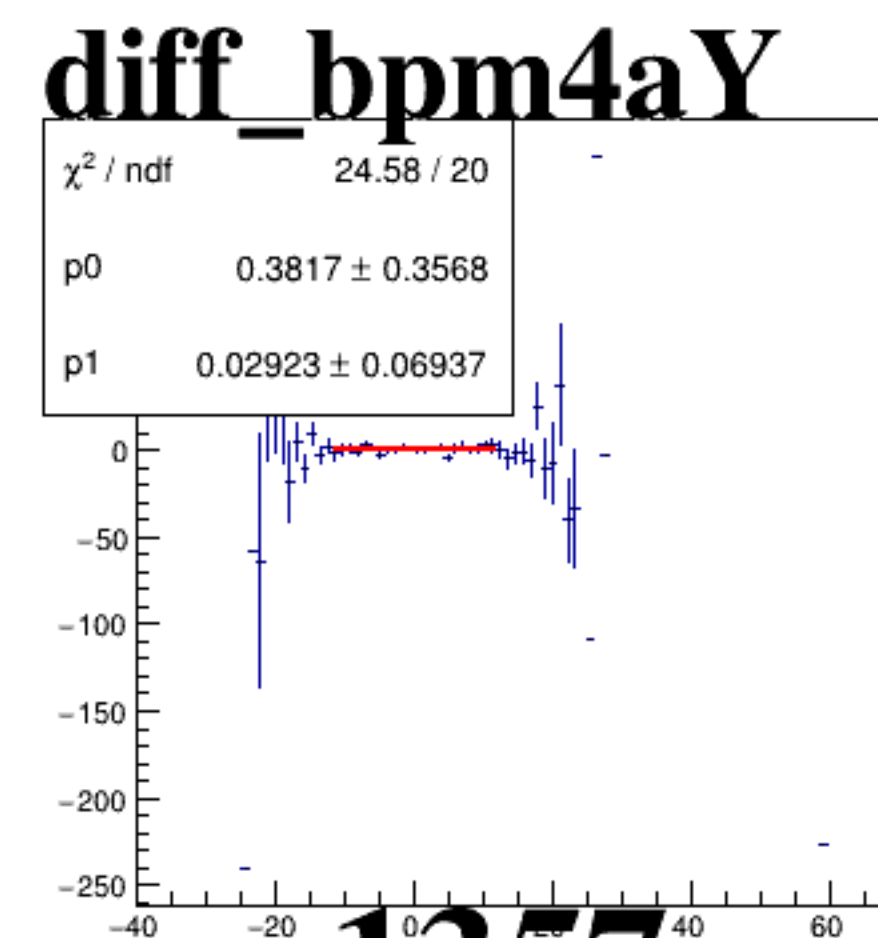
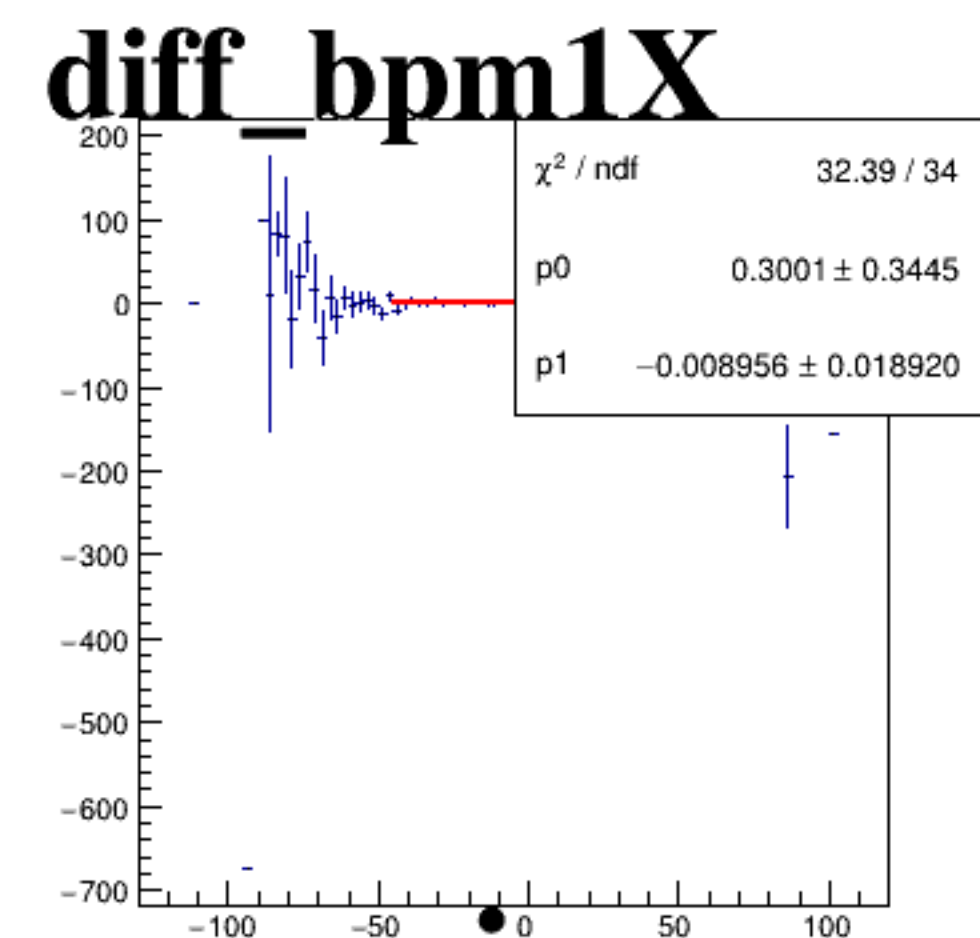
reg_asym_sam3



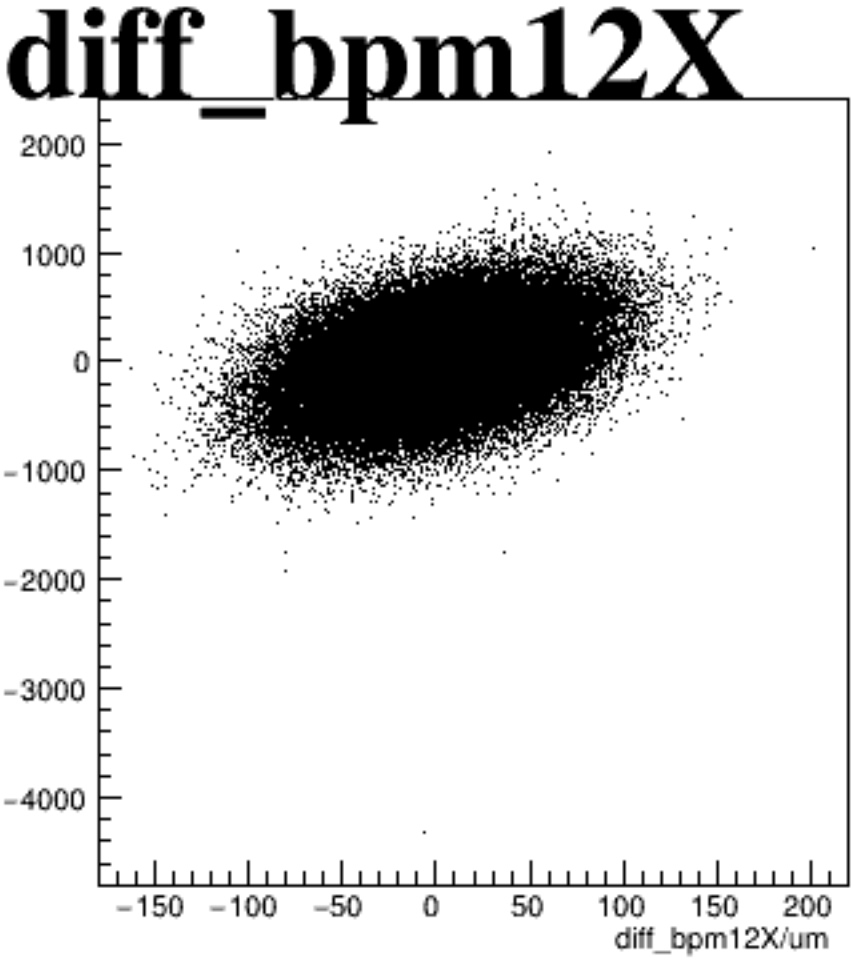
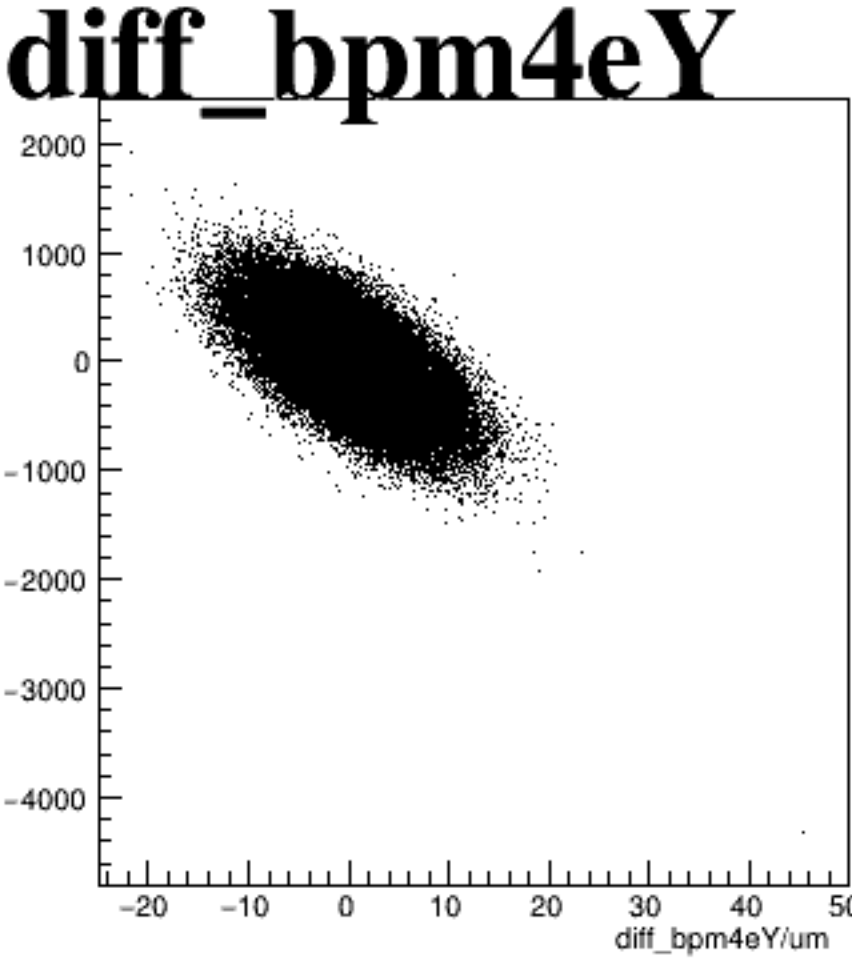
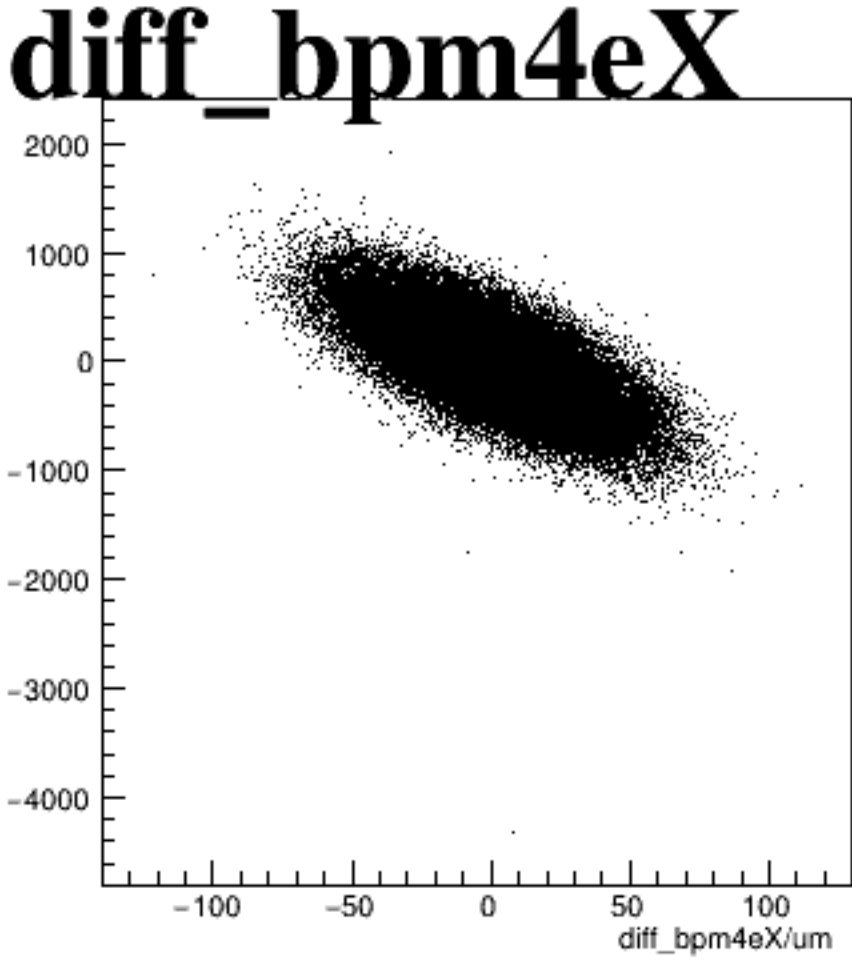
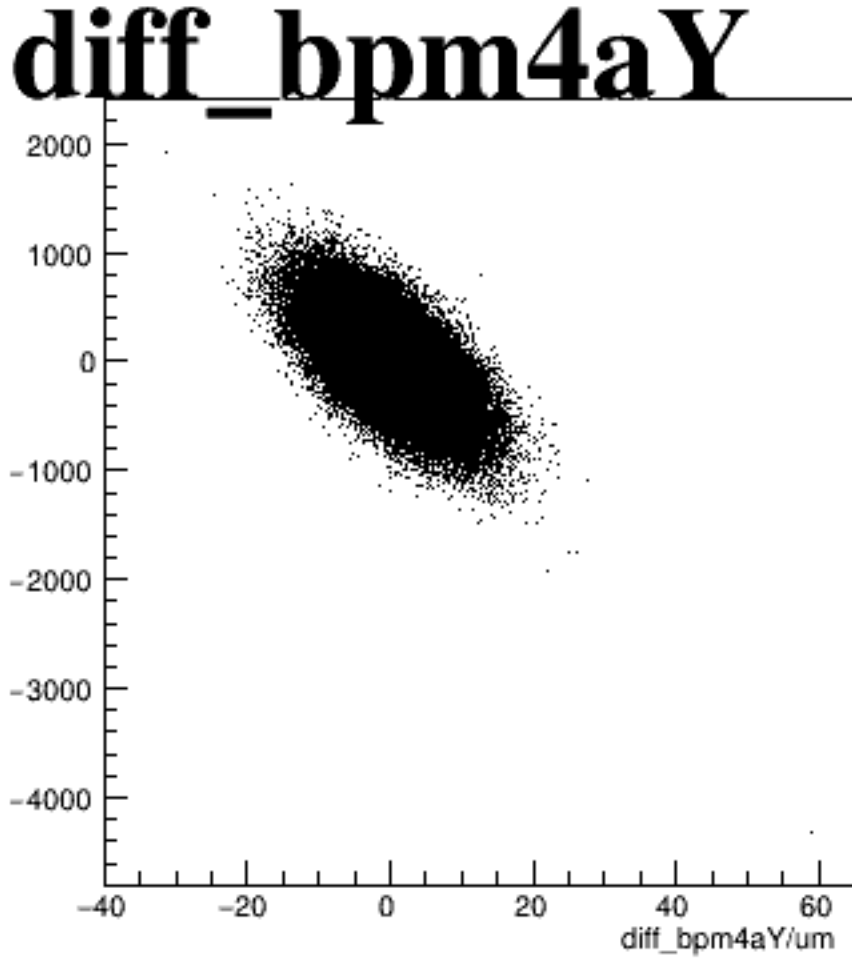
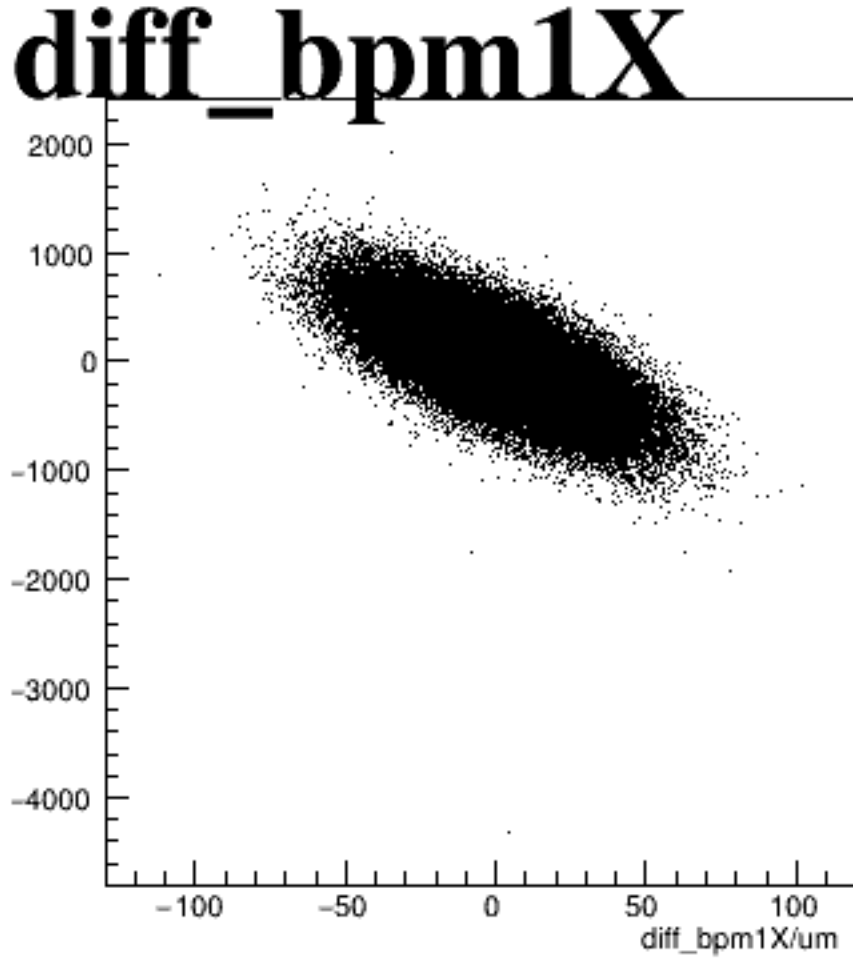
reg_asym_sam5



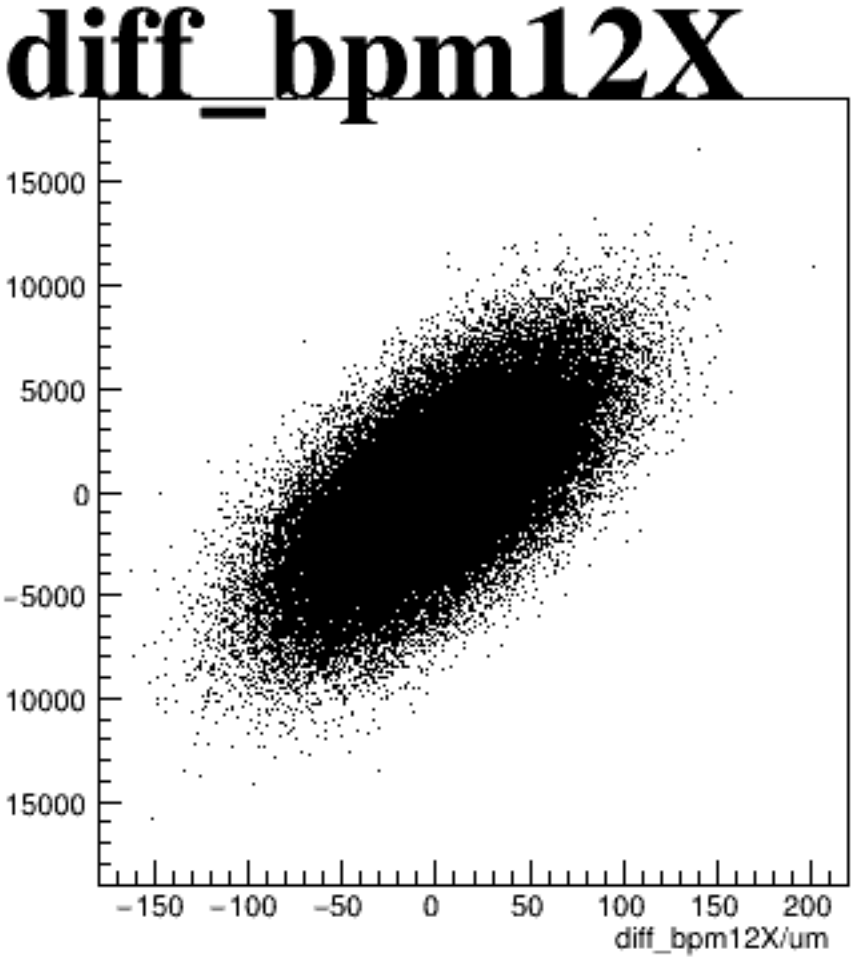
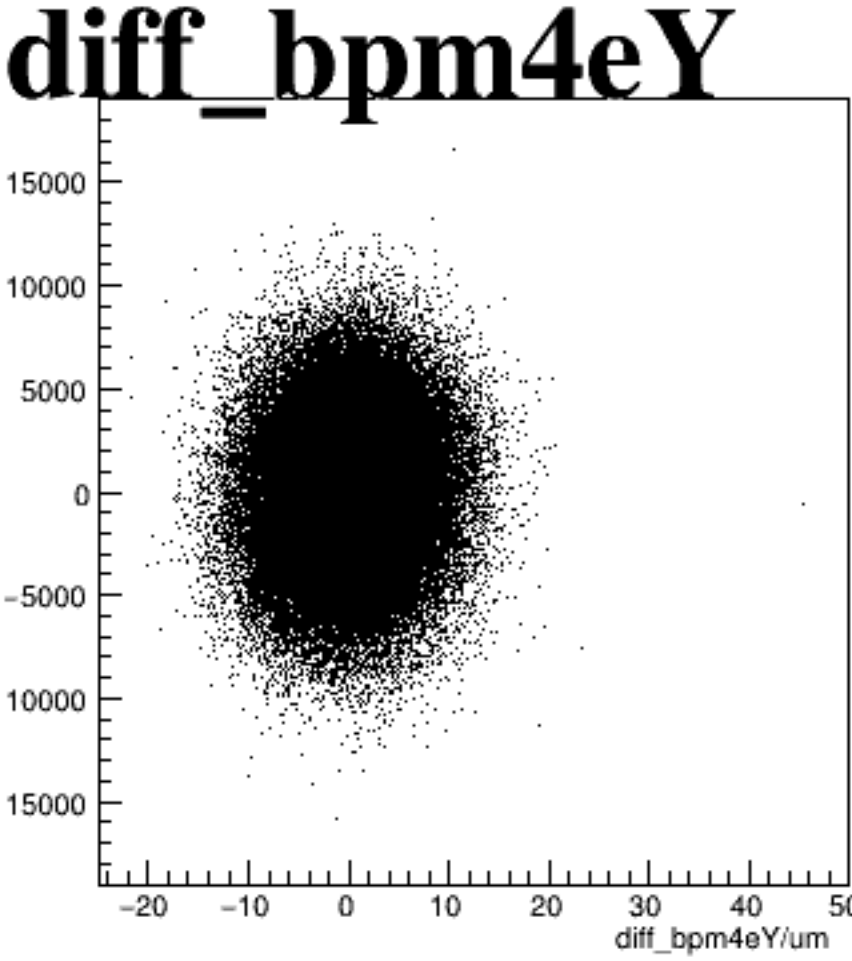
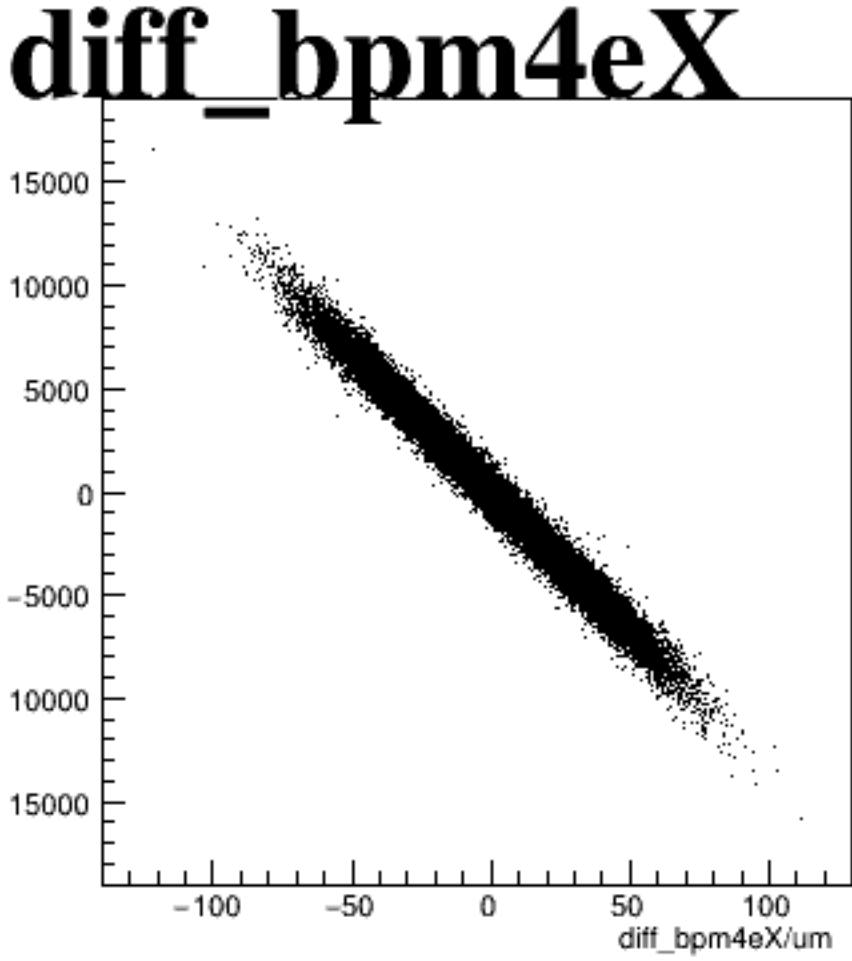
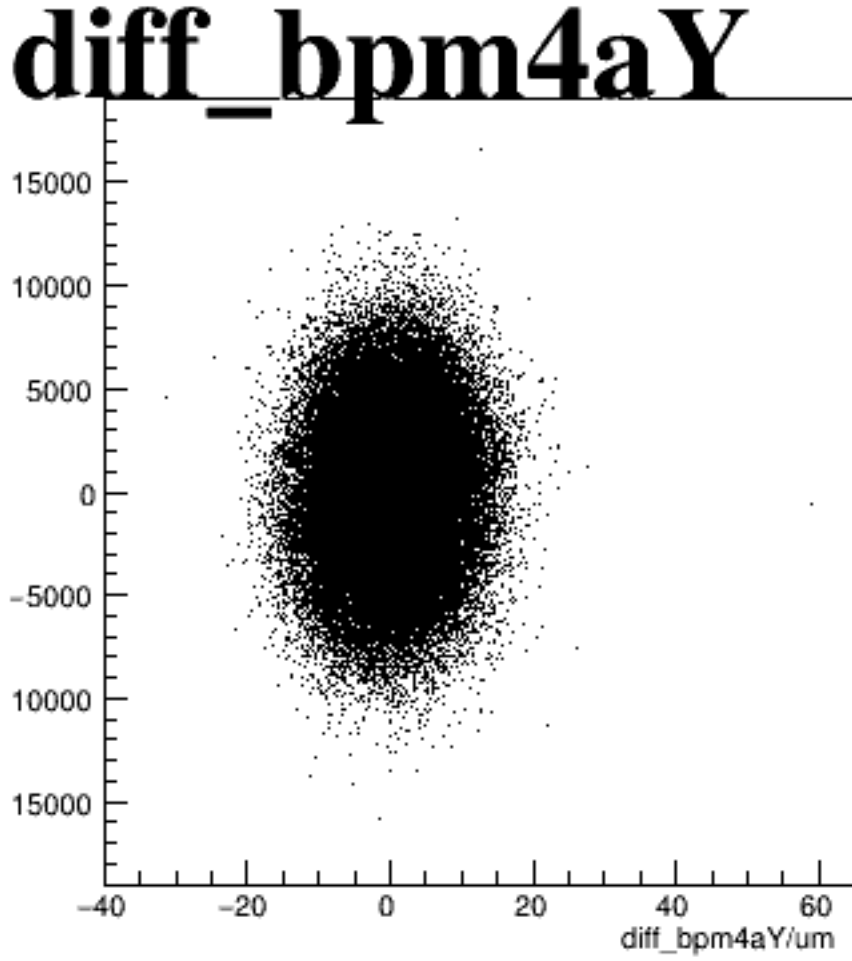
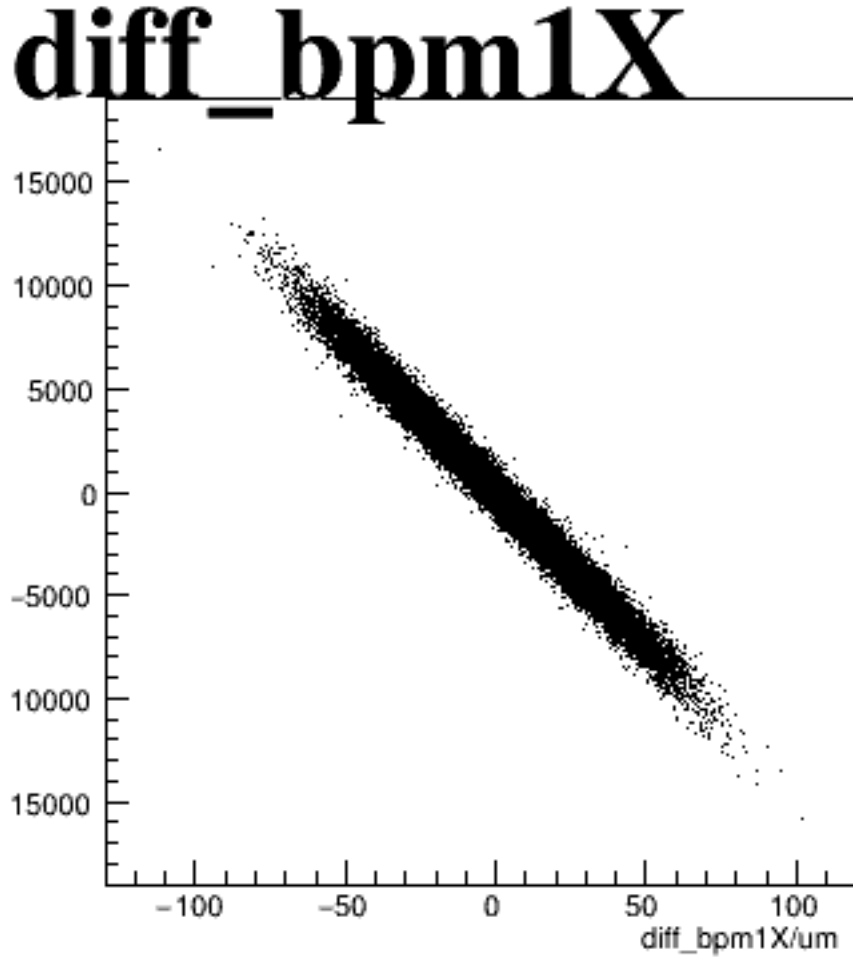
reg_asym_sam7



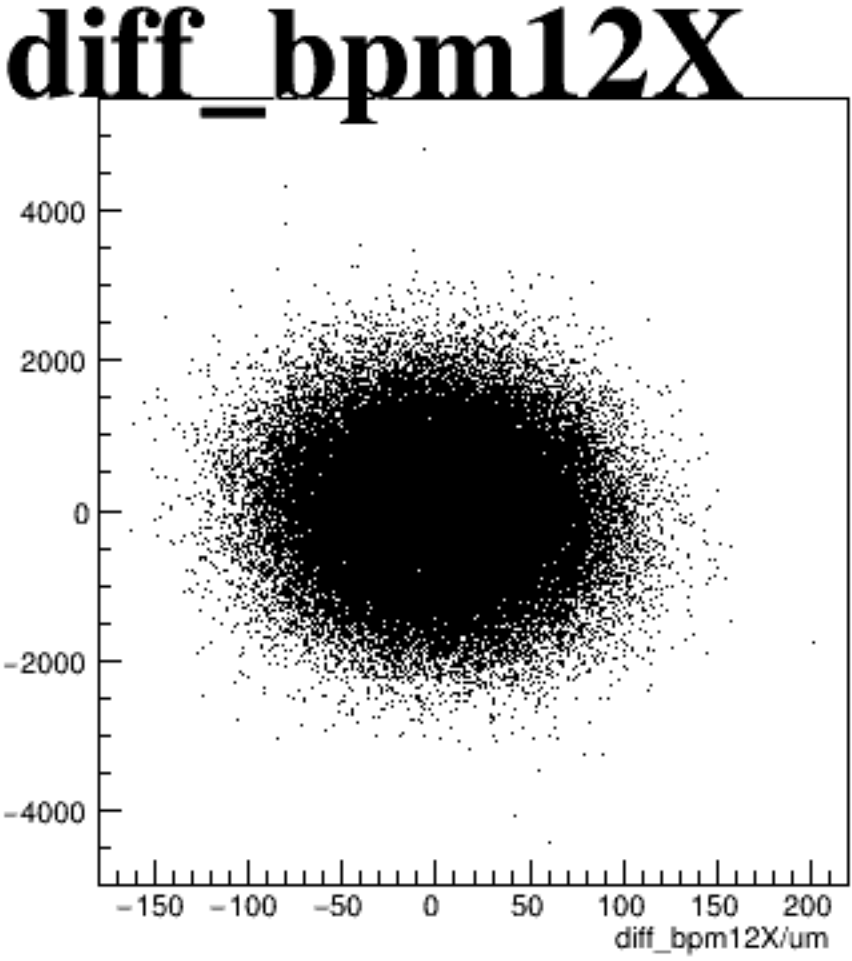
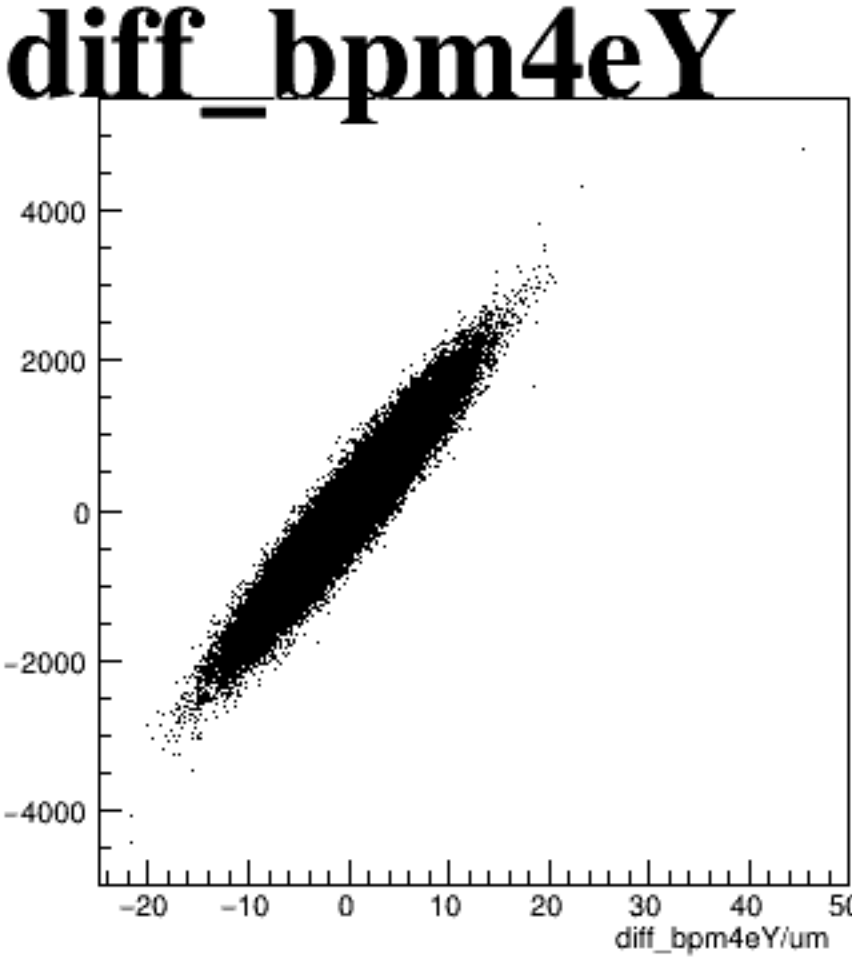
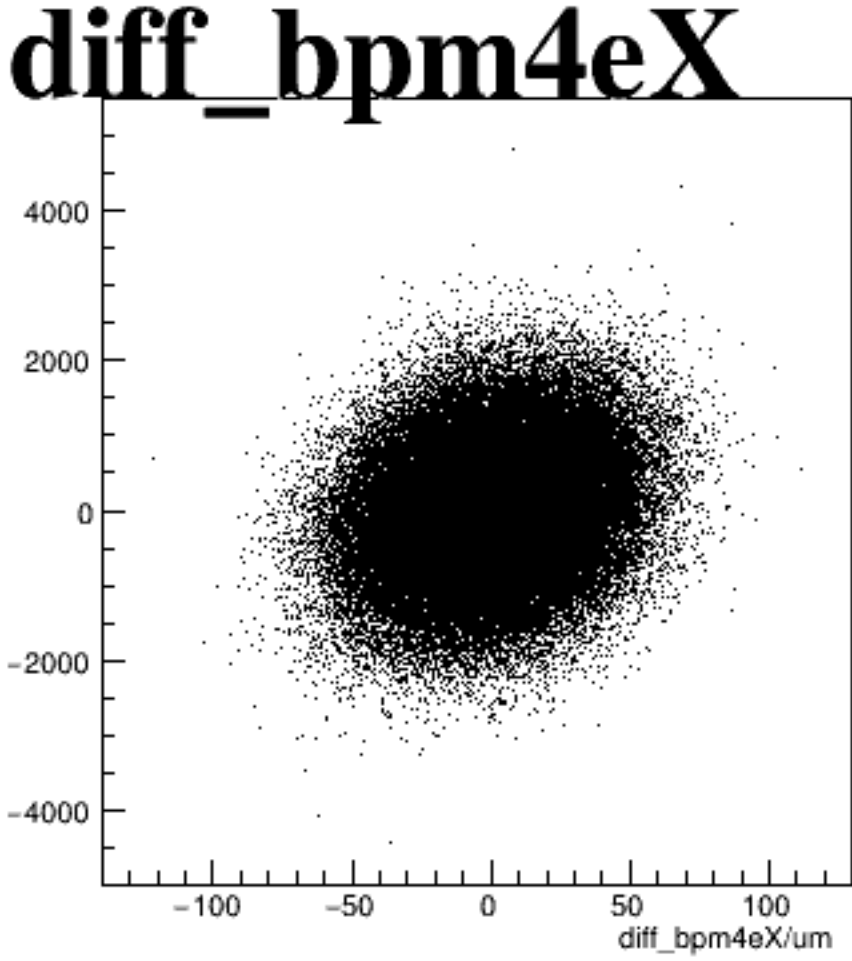
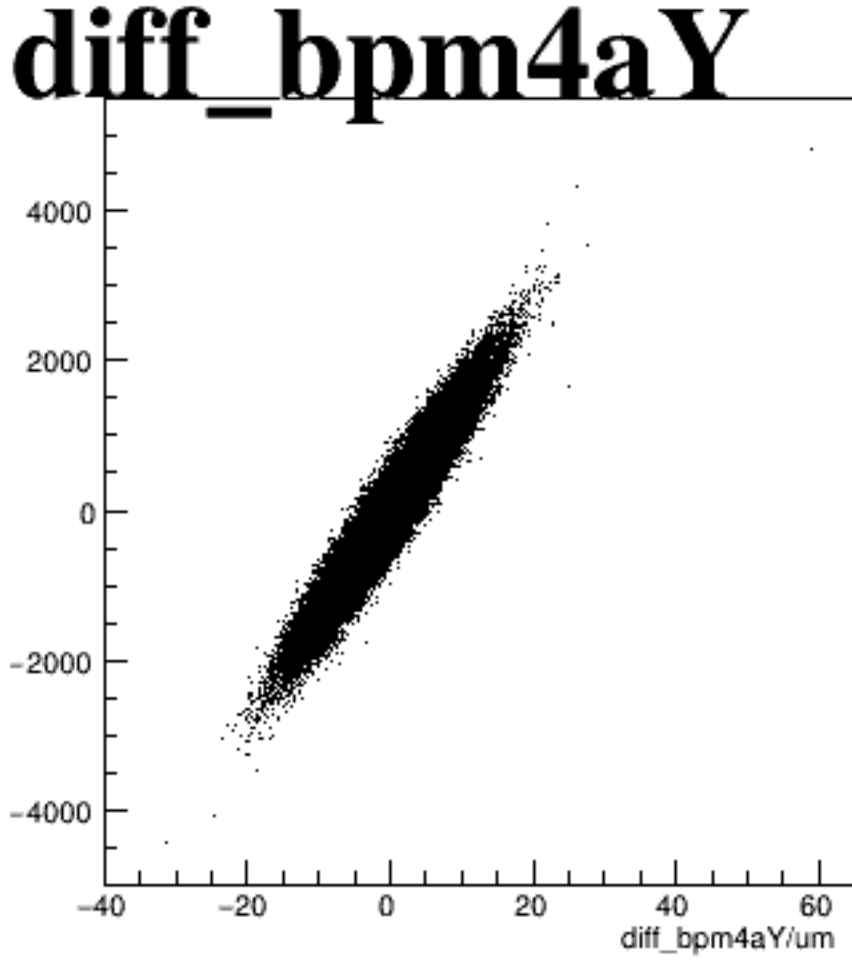
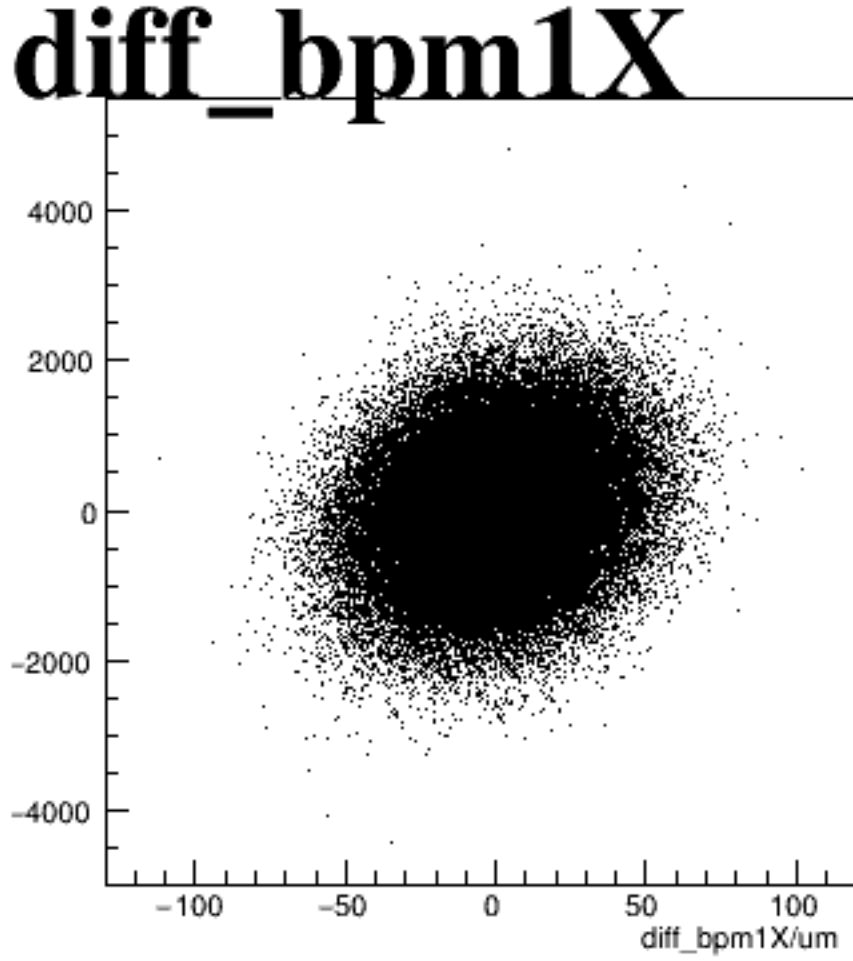
asym_sam1



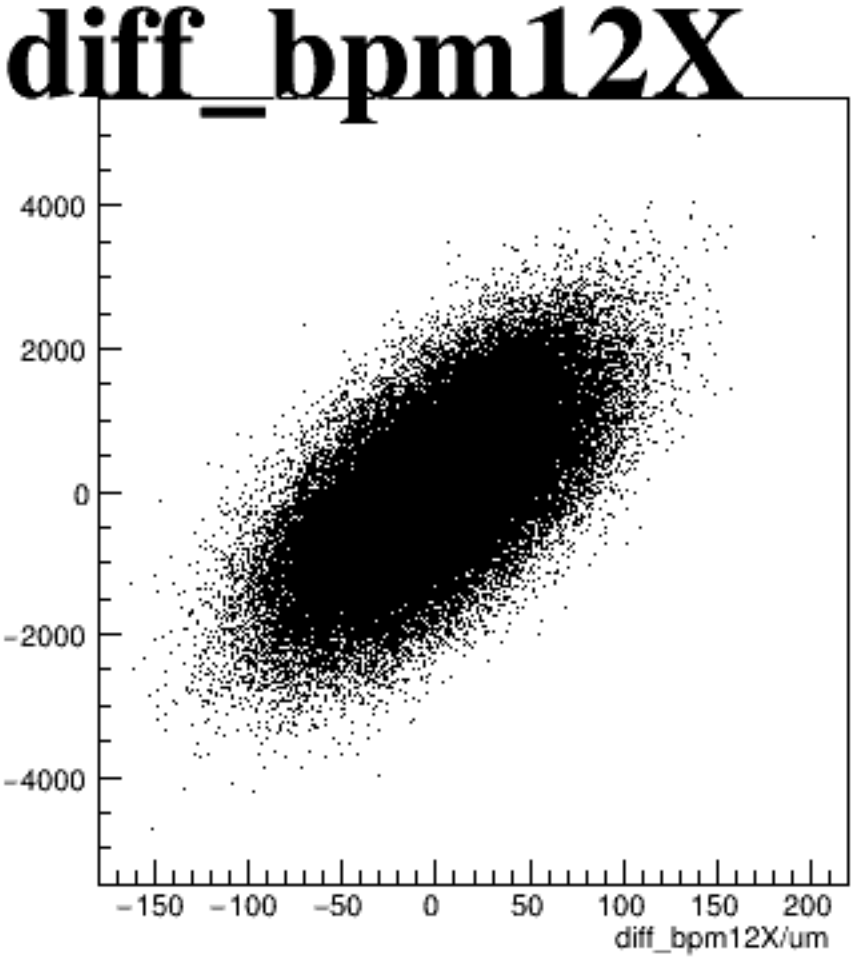
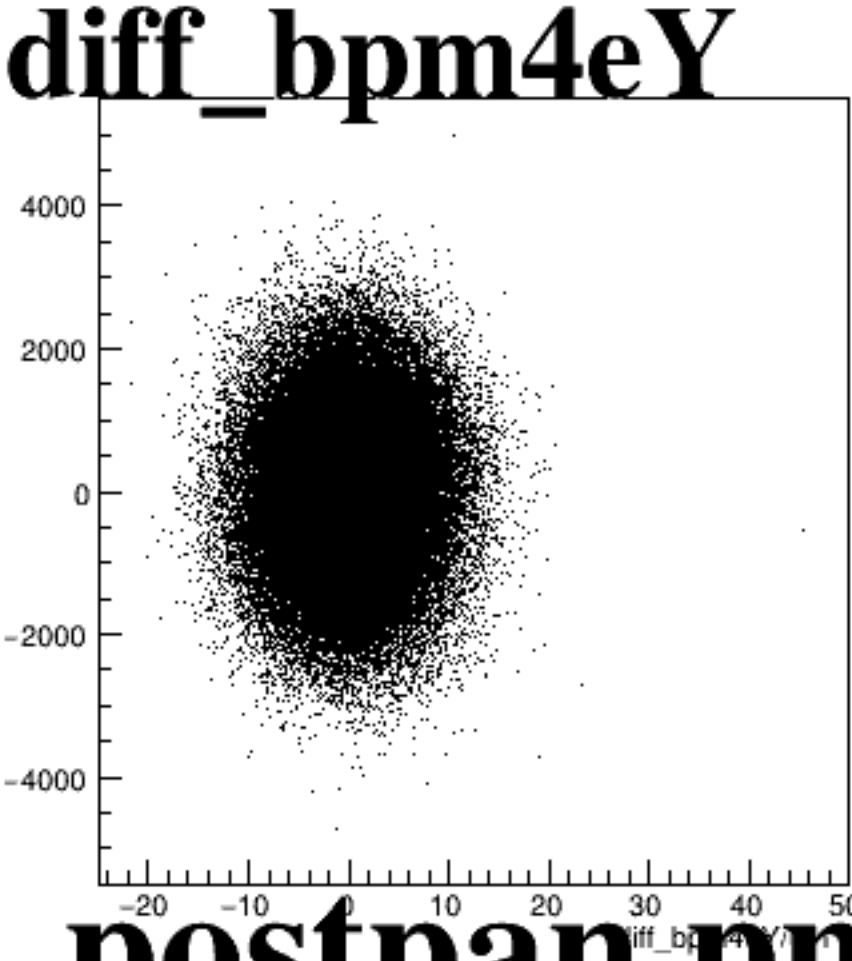
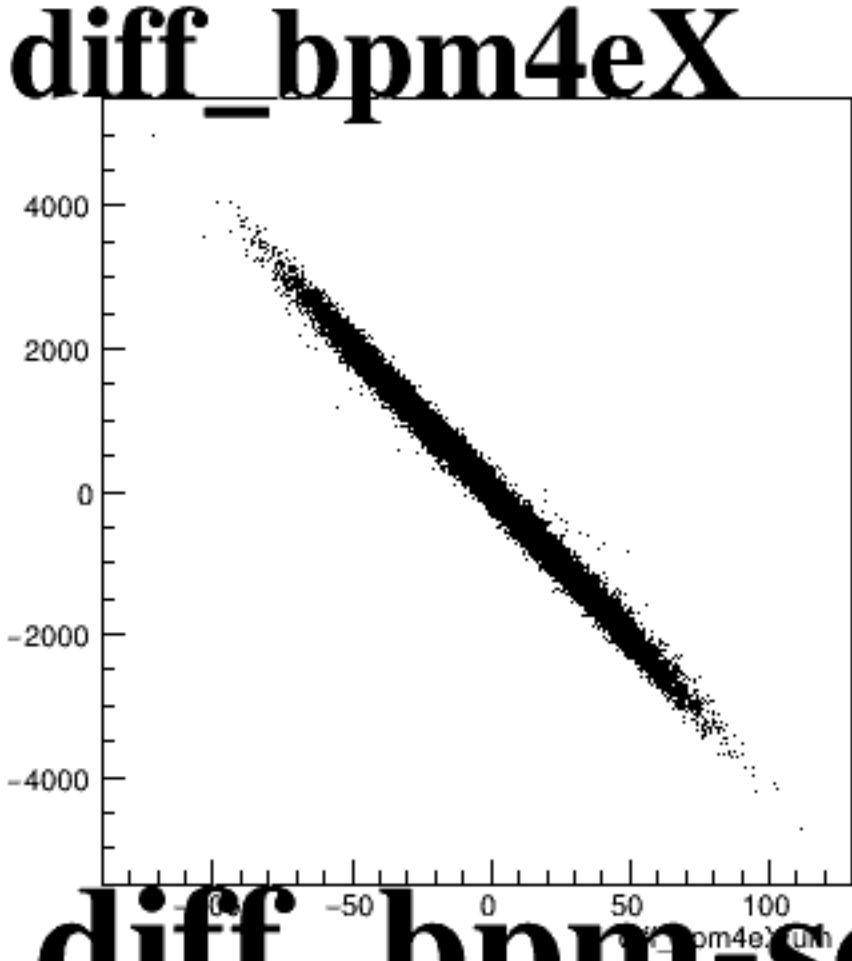
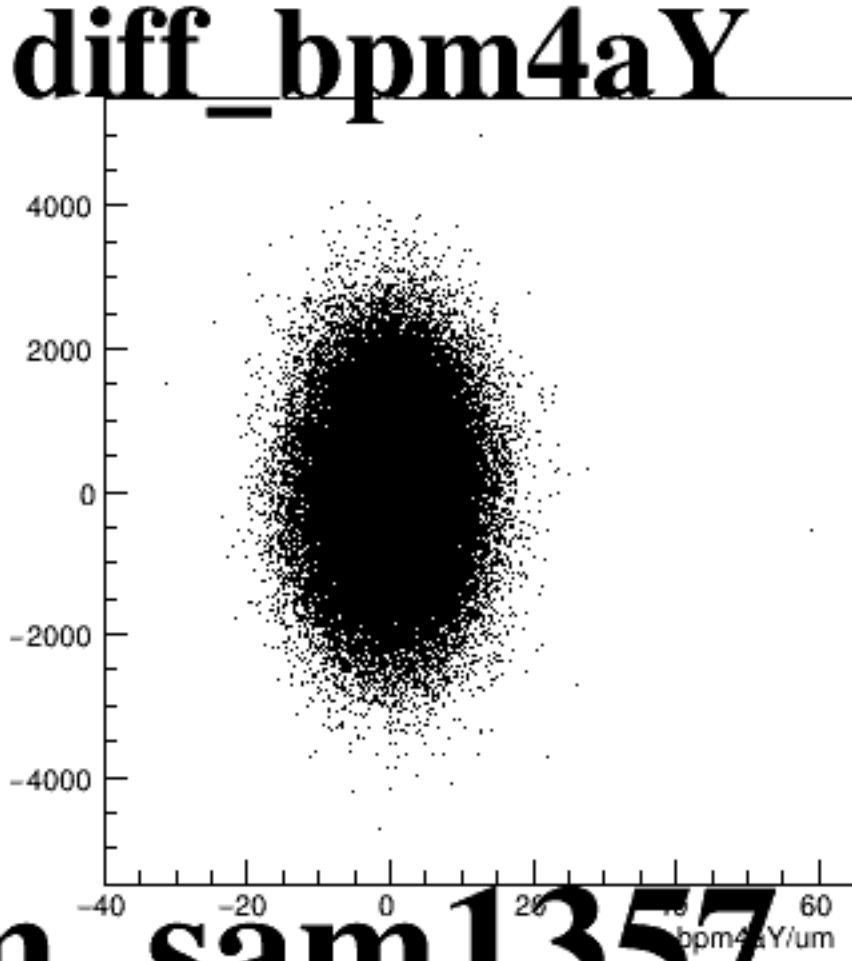
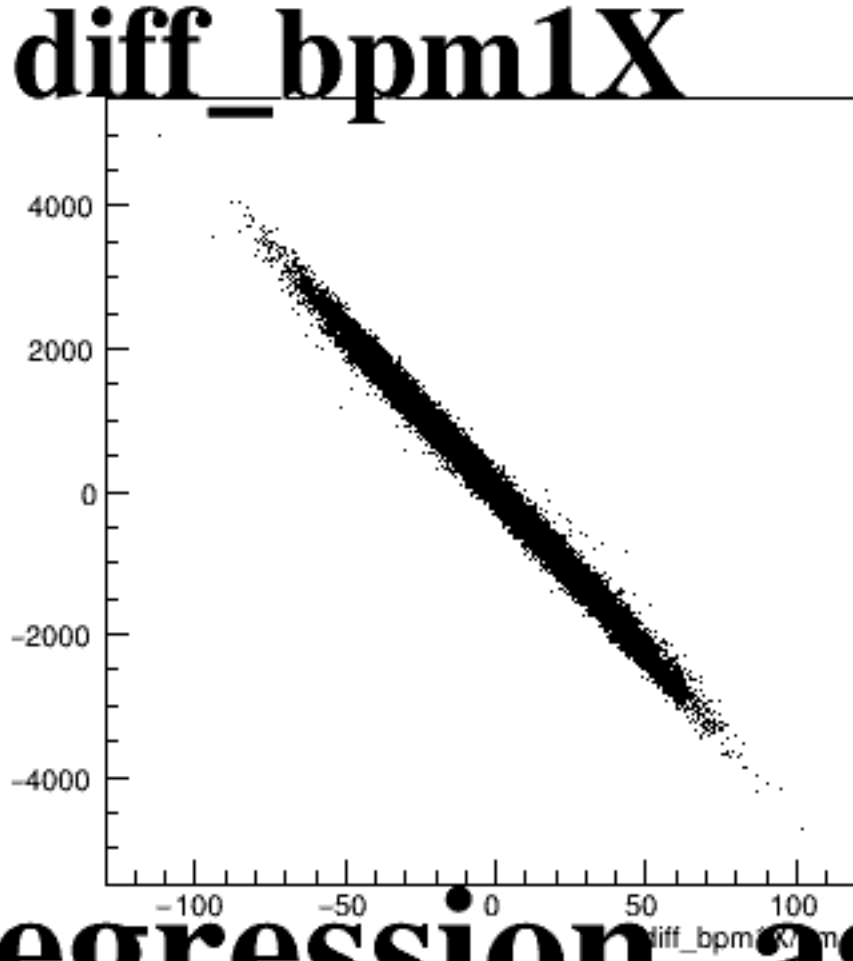
asym_sam3



asym_sam5



asym_sam7



The figure consists of five subplots, each showing a scatter plot of data points. The y-axis for all plots ranges from -4000 to 4000. The x-axis for each plot represents a different diffraction order, with labels below the axis:

- diff_bpm1X**: x-axis ranges from -100 to 100.
- diff_bpm4aY**: x-axis ranges from -40 to 60.
- diff_bpm4eX**: x-axis ranges from -100 to 100.
- diff_bpm4eY**: x-axis ranges from -20 to 50.
- diff_bpm12X**: x-axis ranges from -150 to 200.

In all plots, the data points form a dense, roughly circular cloud centered at (0,0), indicating a similar distribution of values across the different diffraction orders.