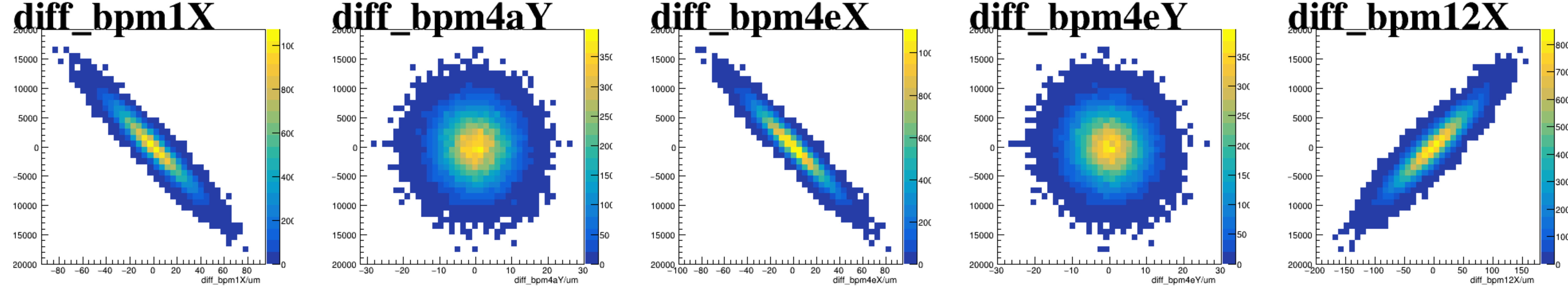
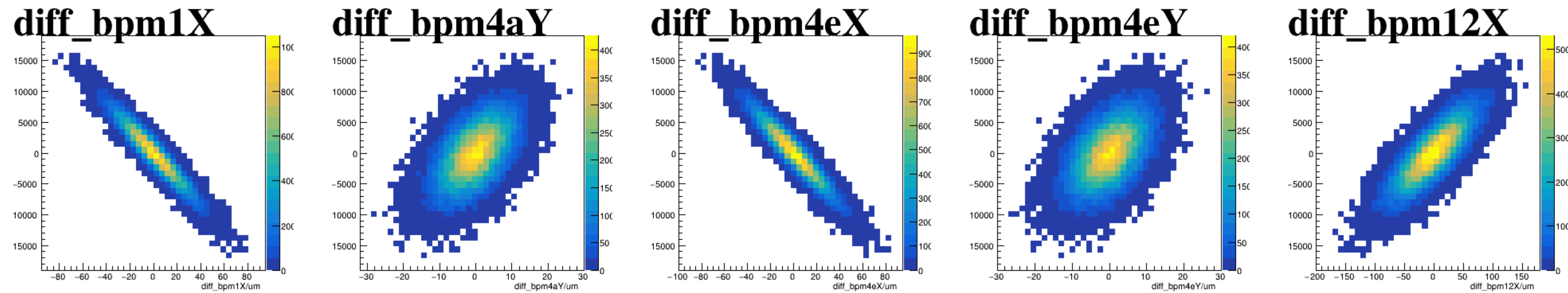


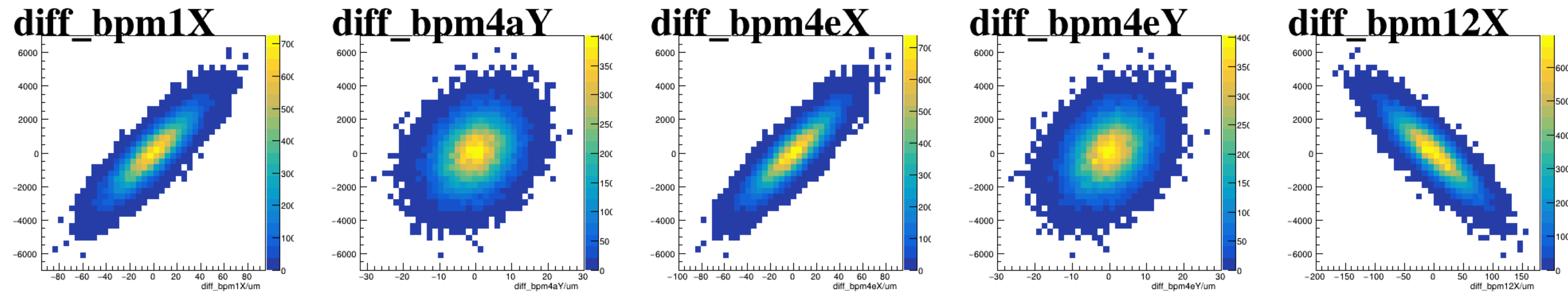
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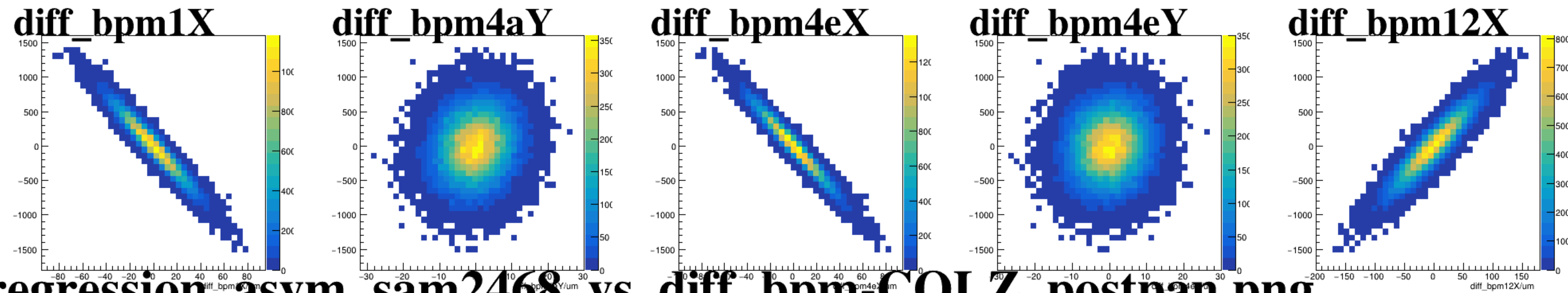
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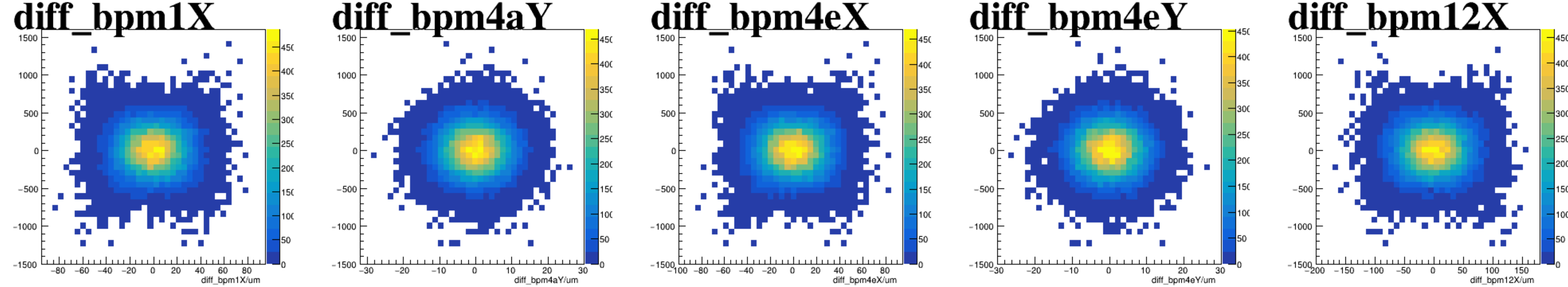
asym_sam6



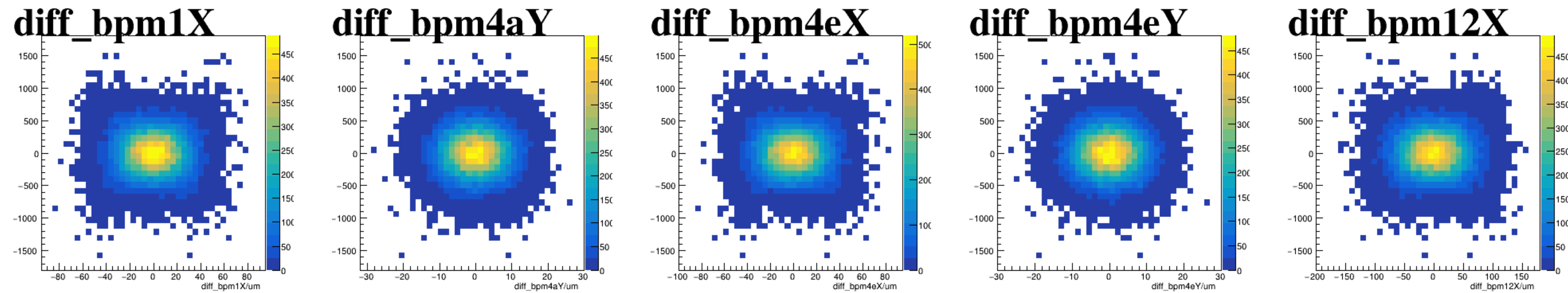
asym_sam8



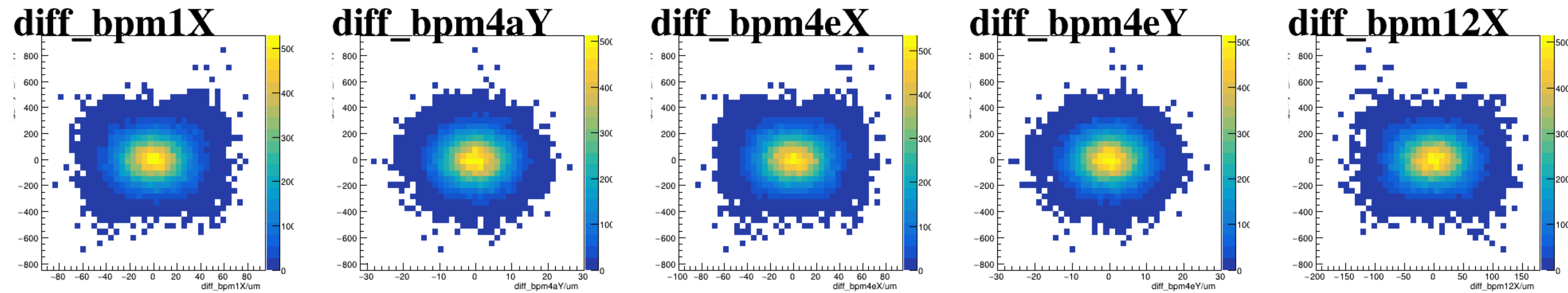
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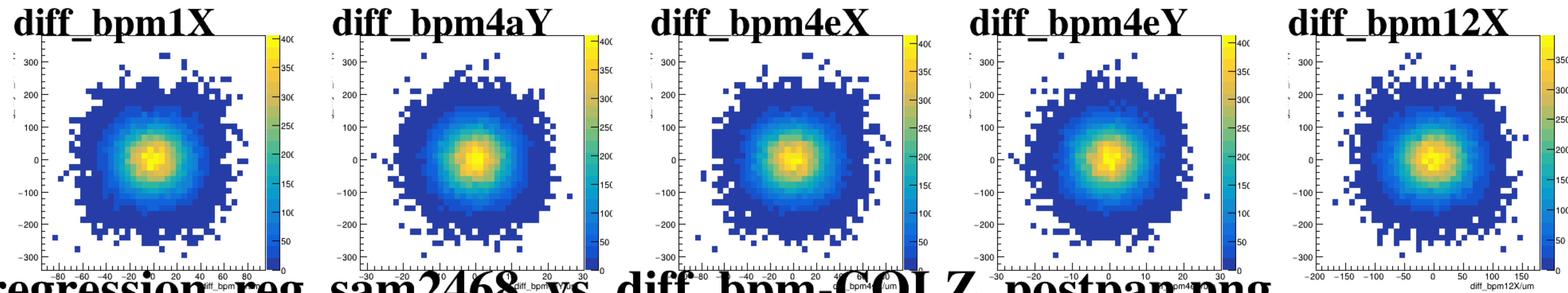
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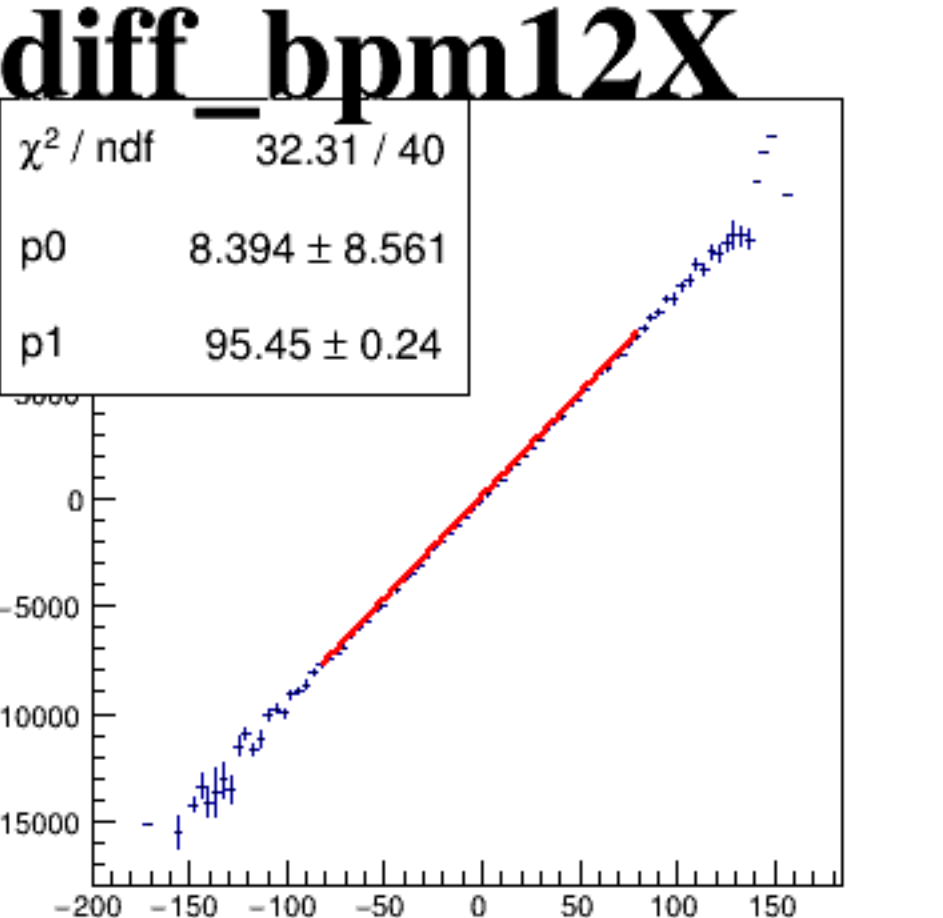
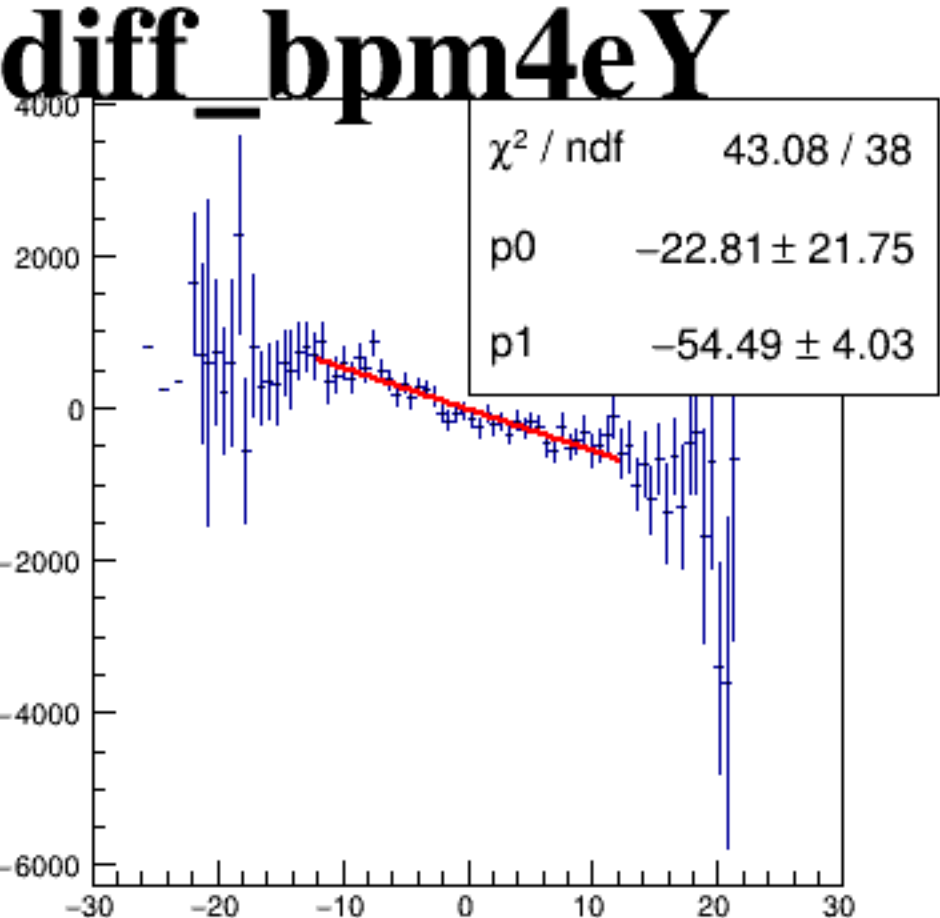
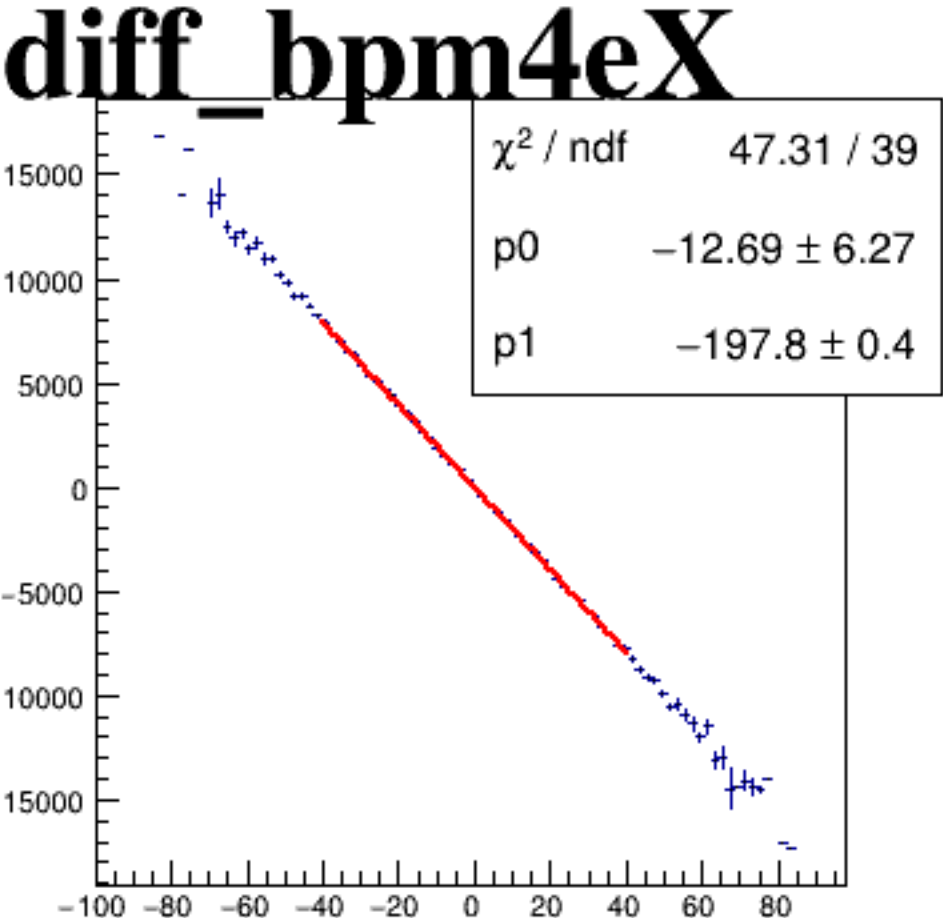
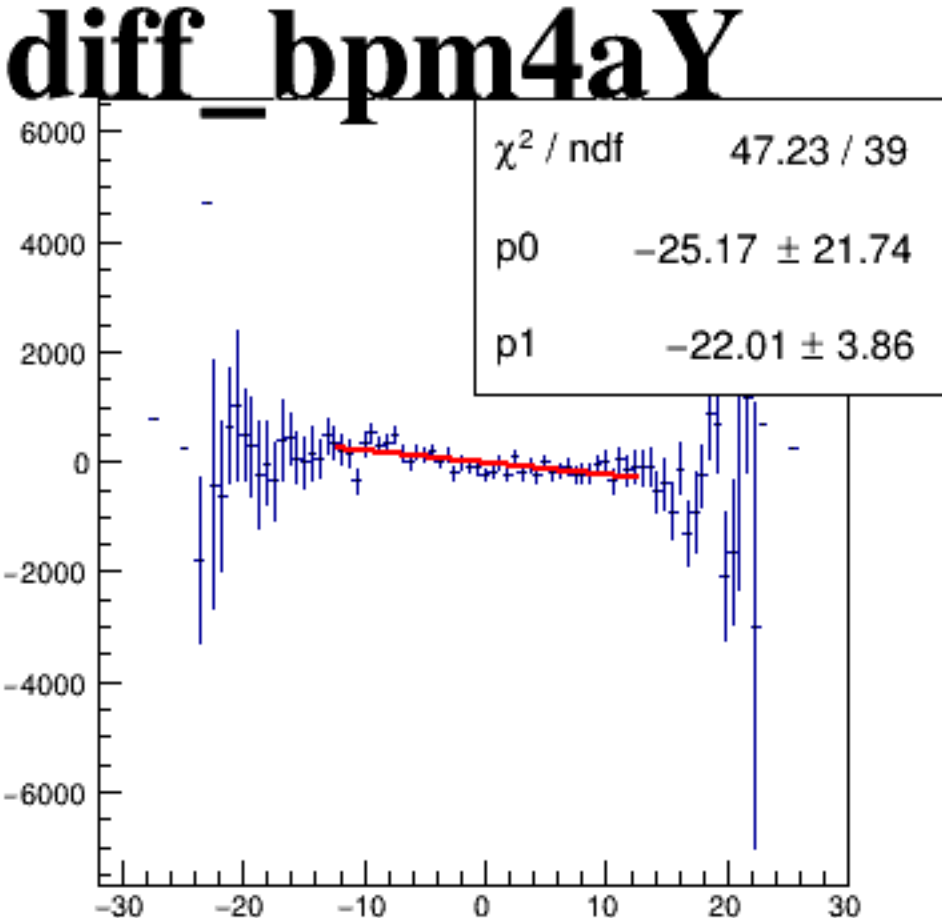
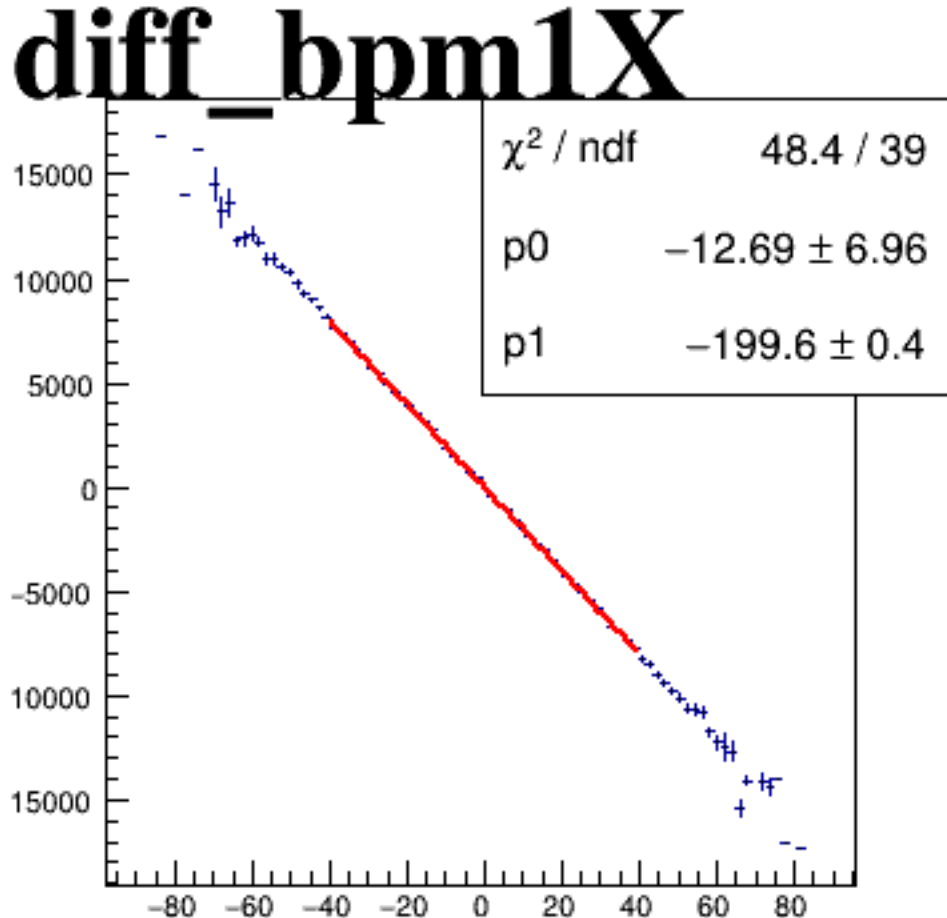
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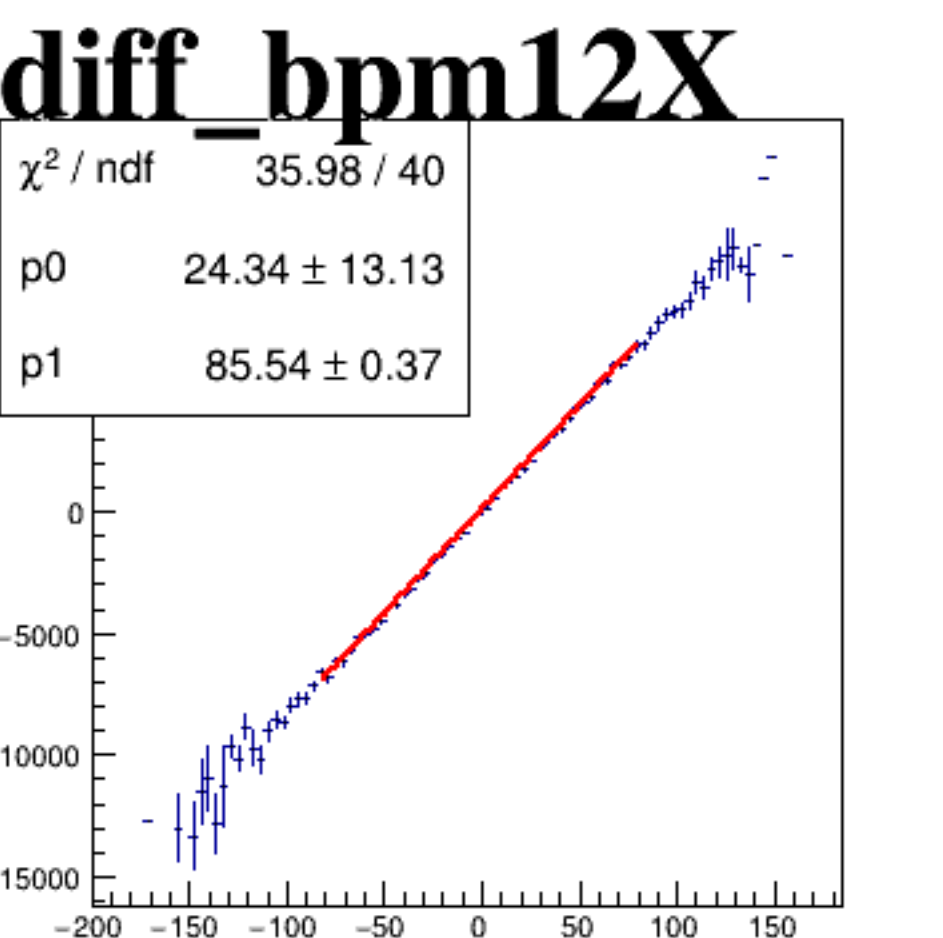
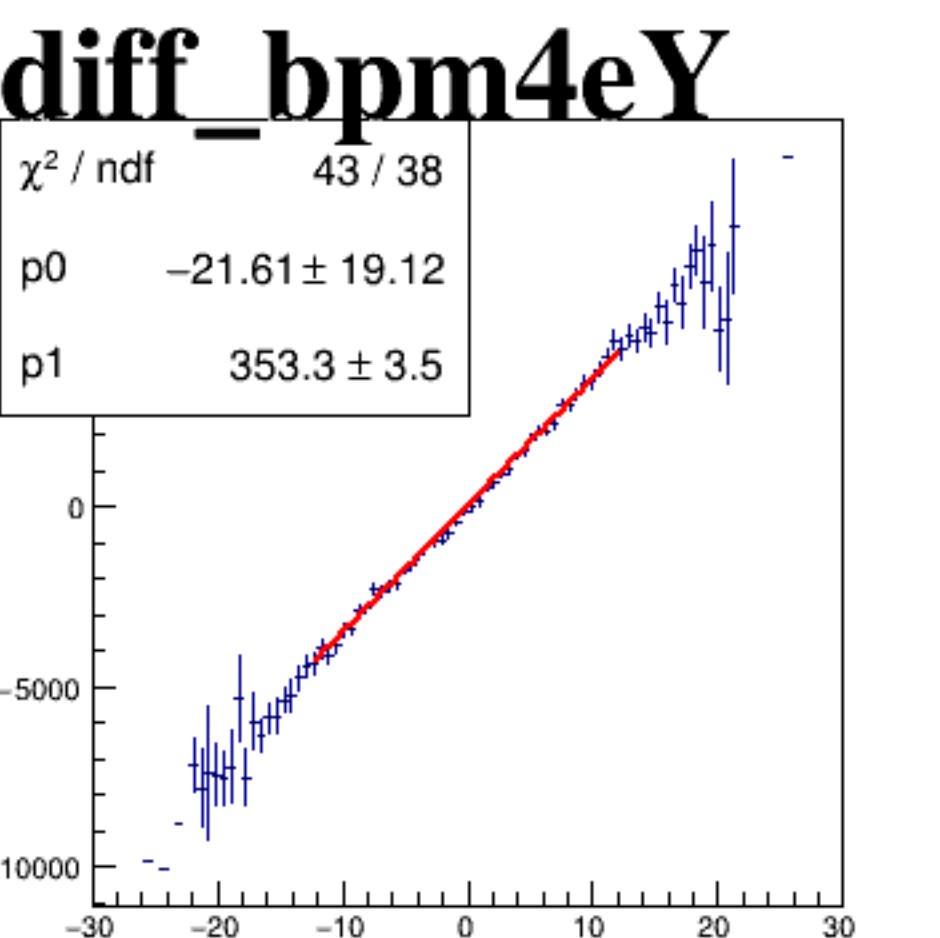
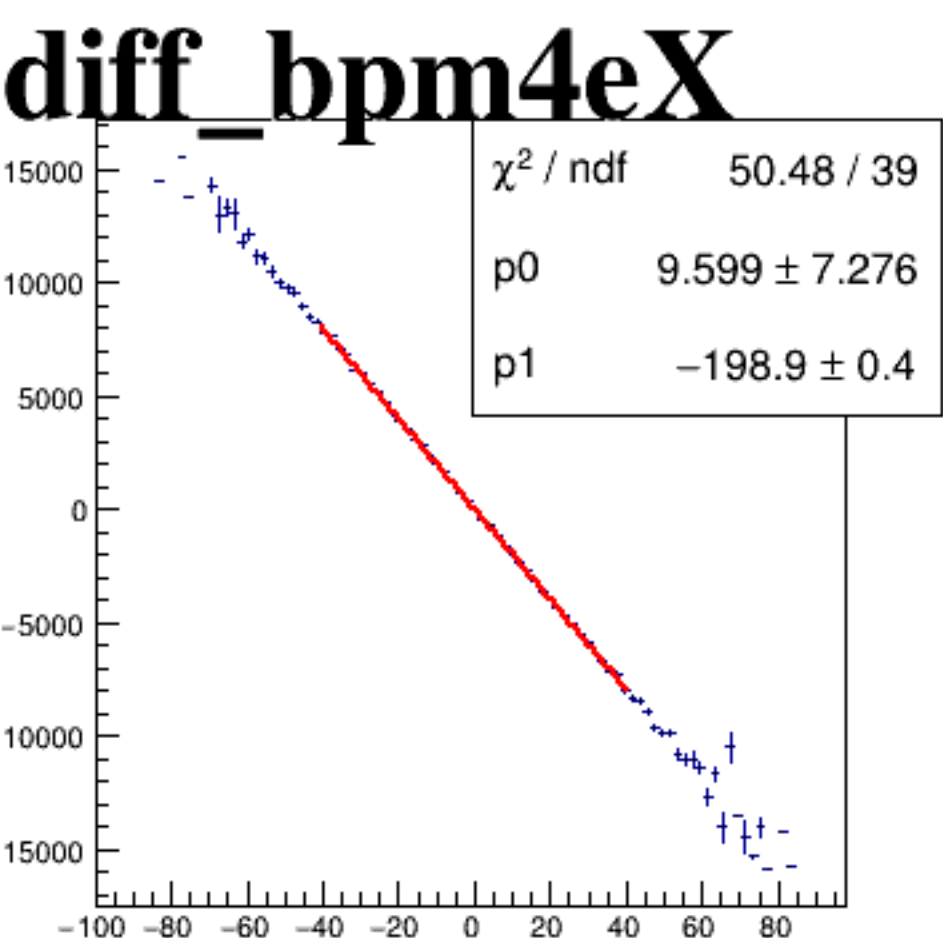
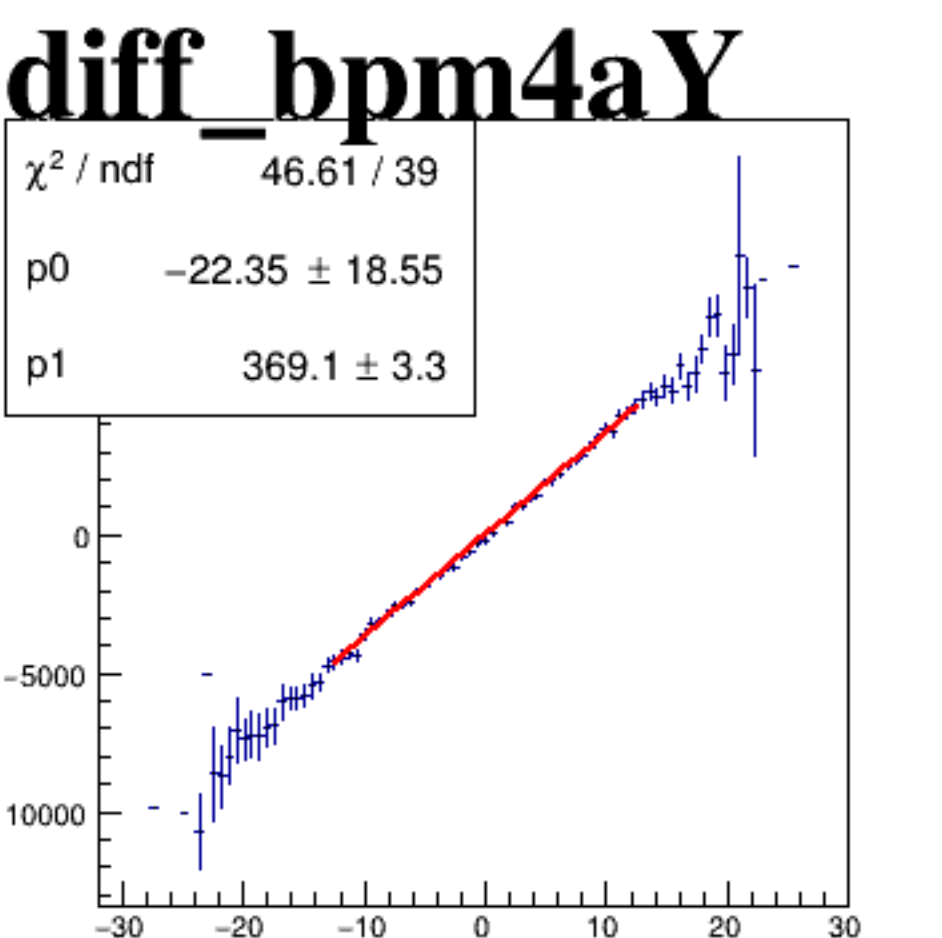
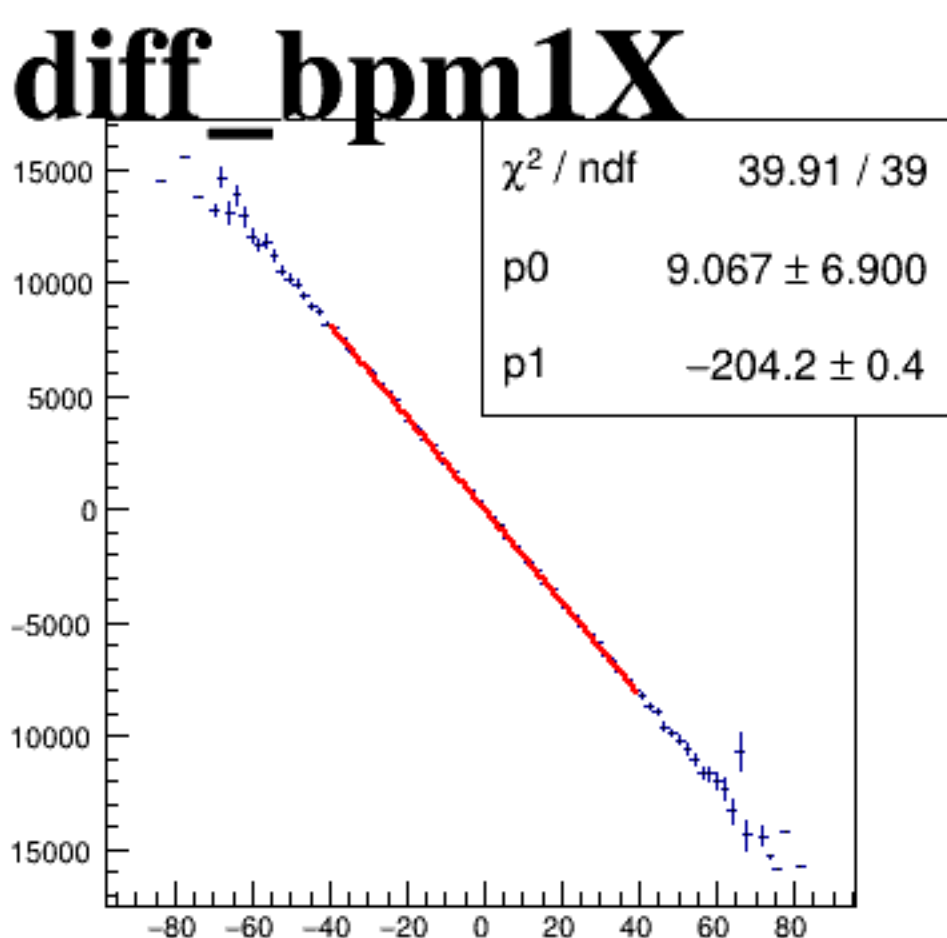
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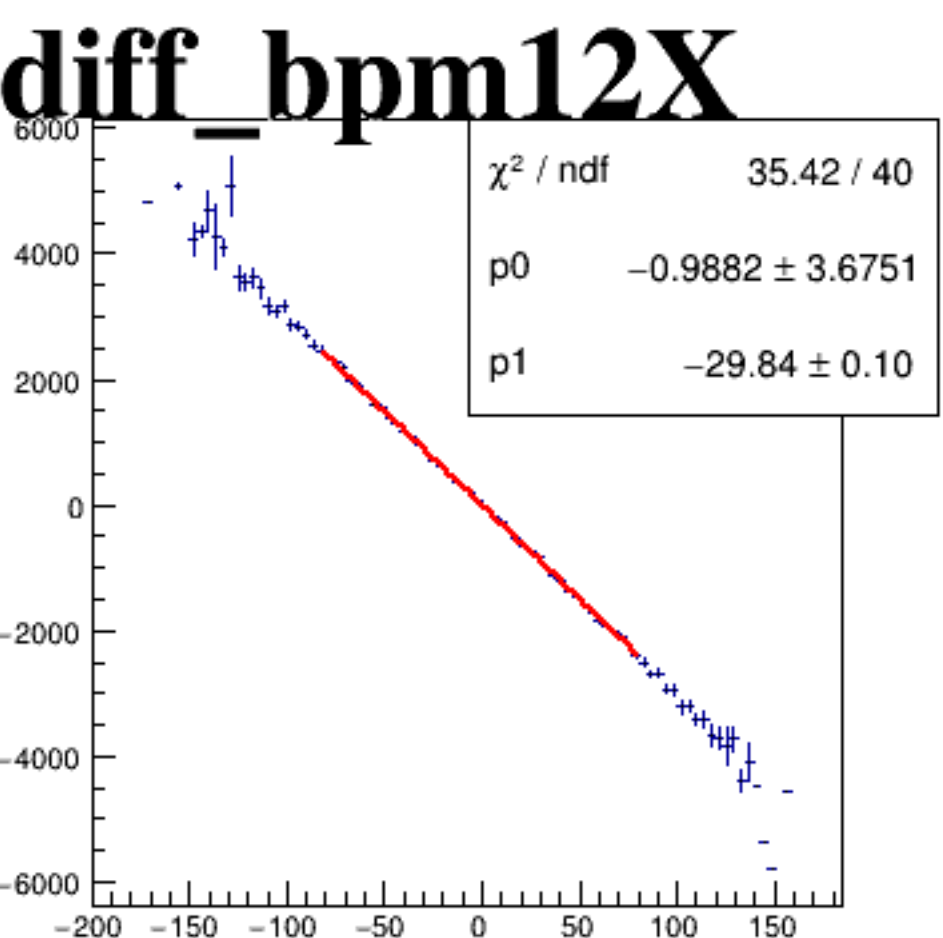
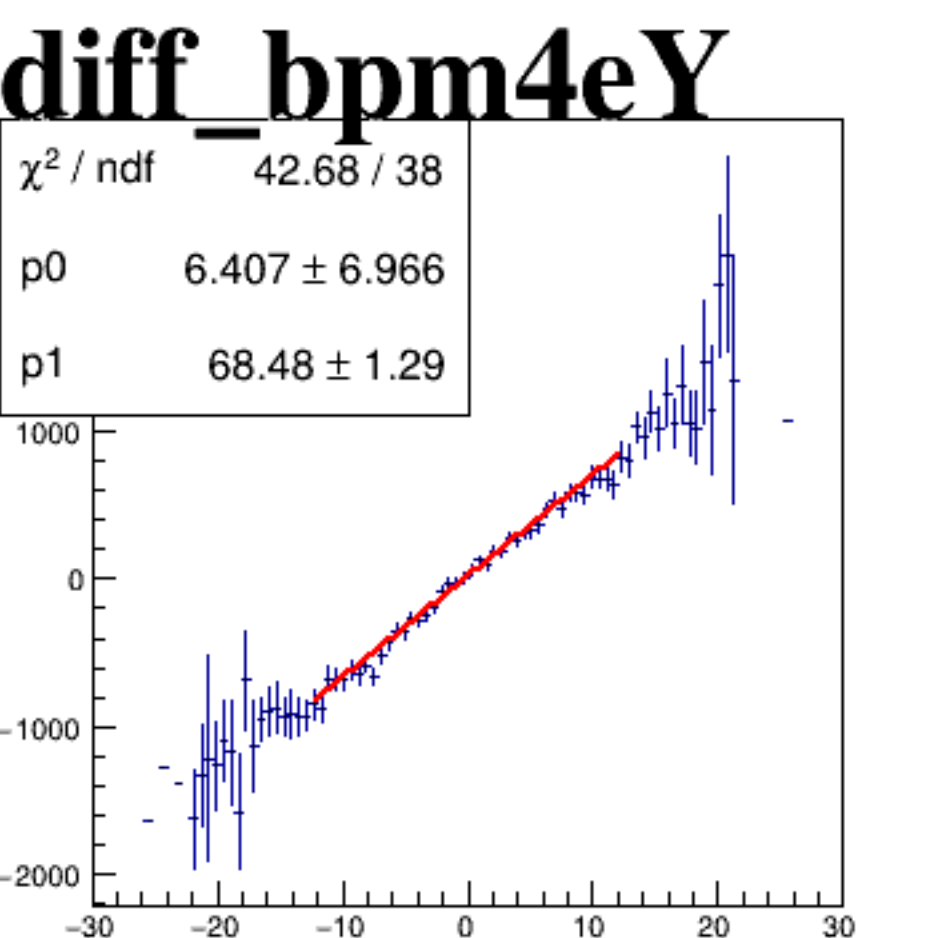
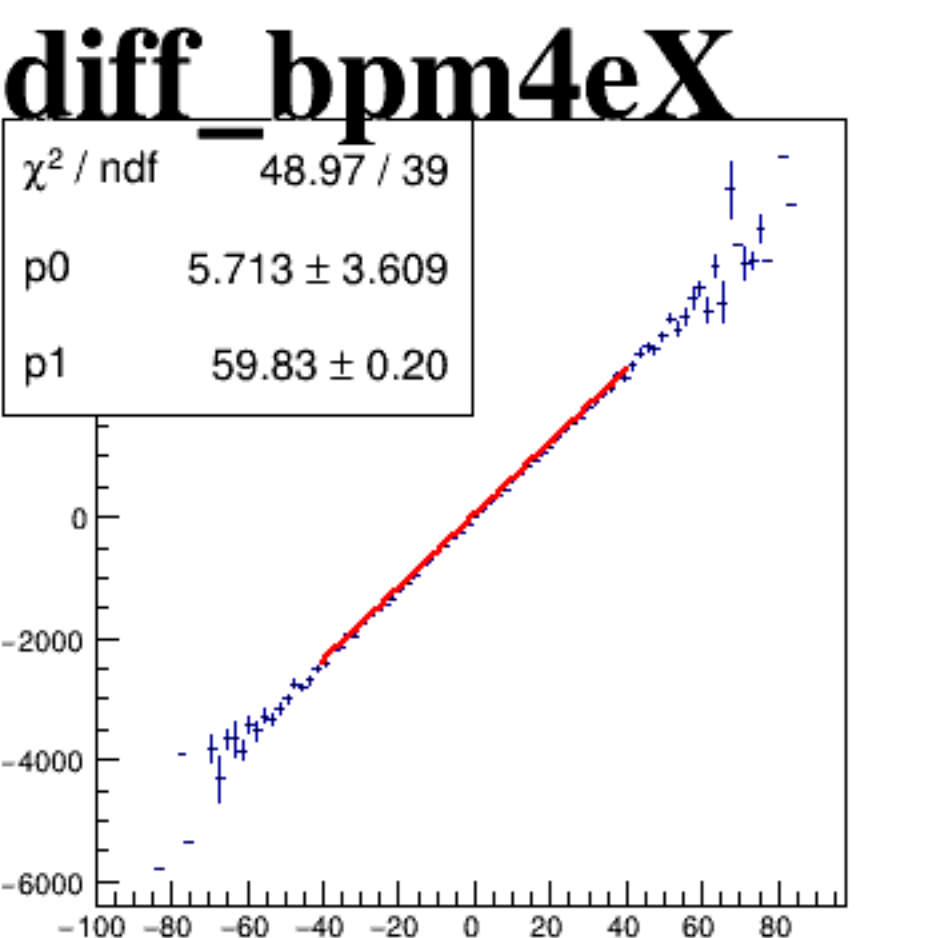
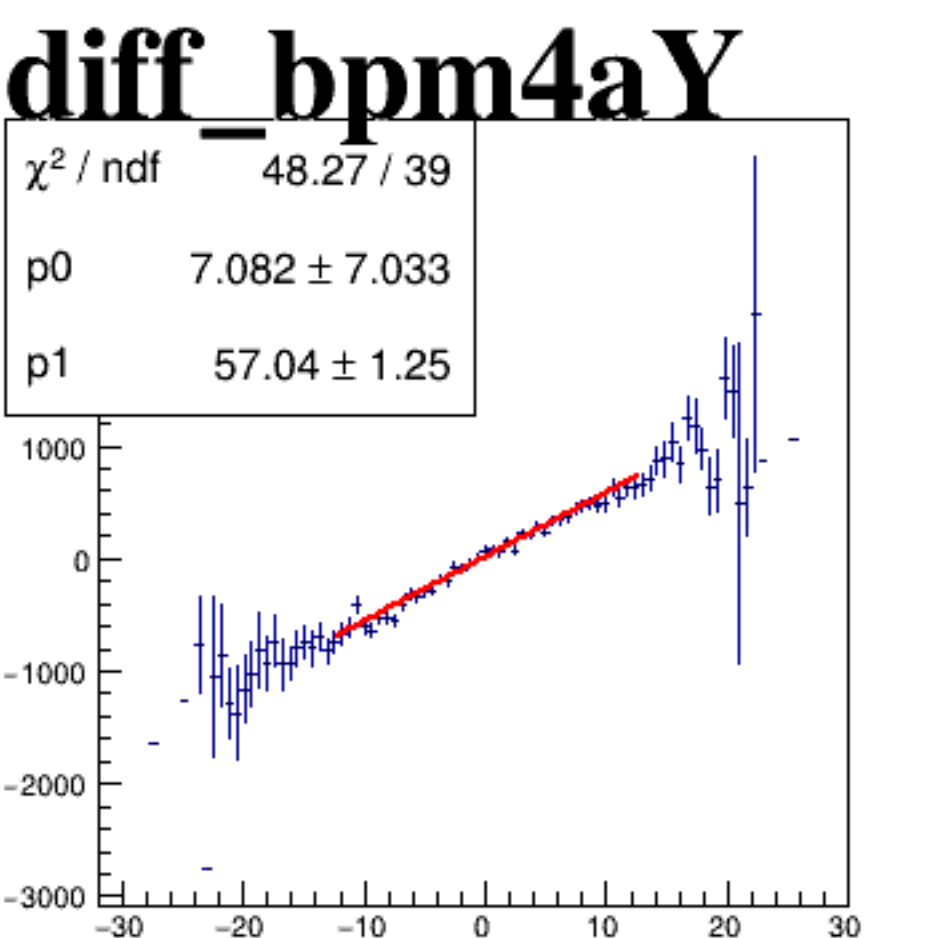
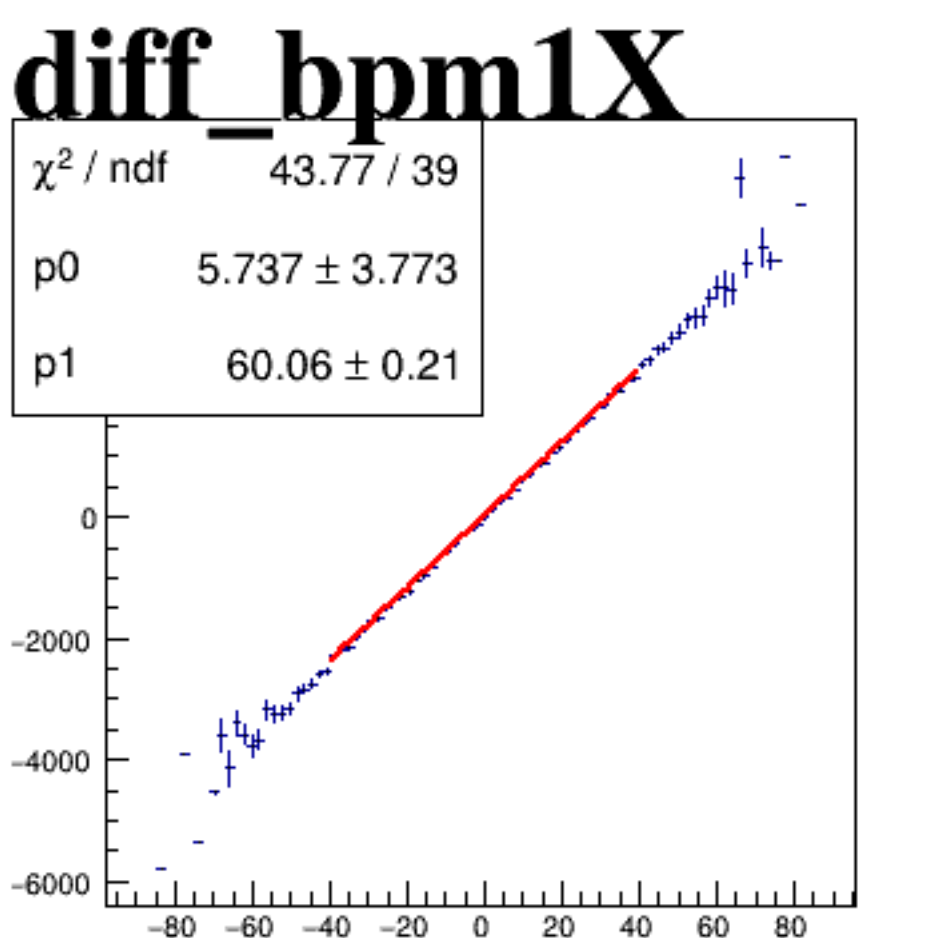
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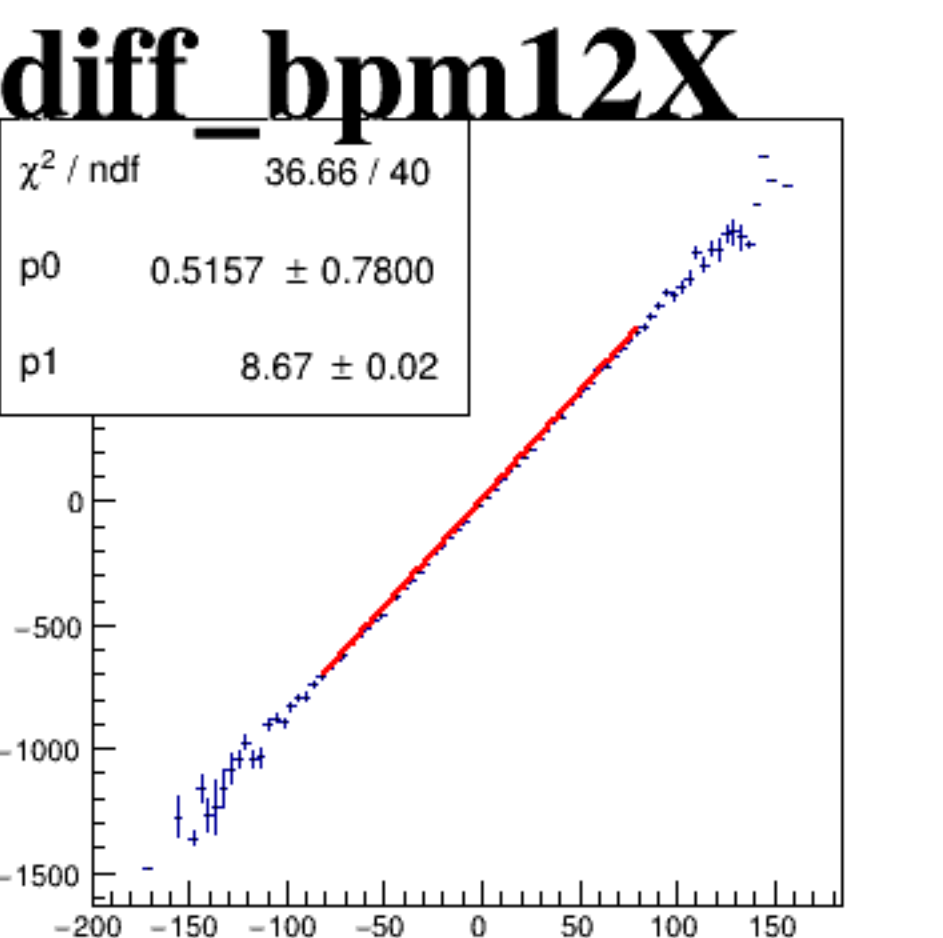
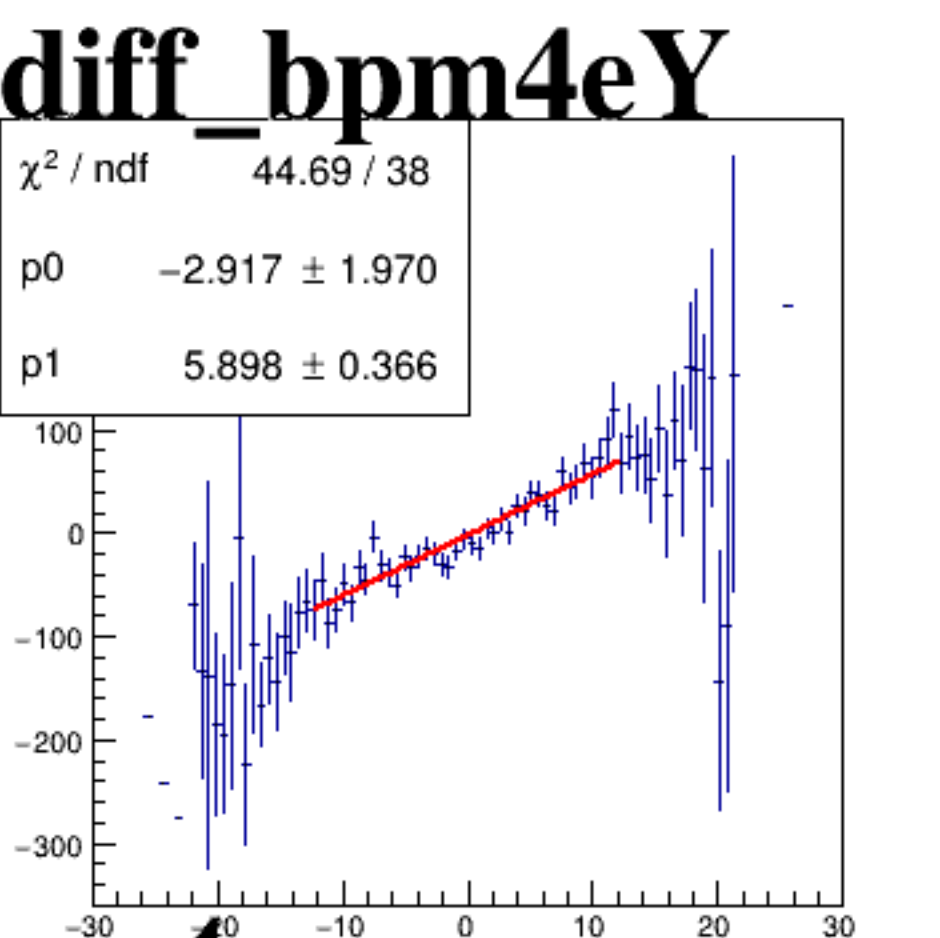
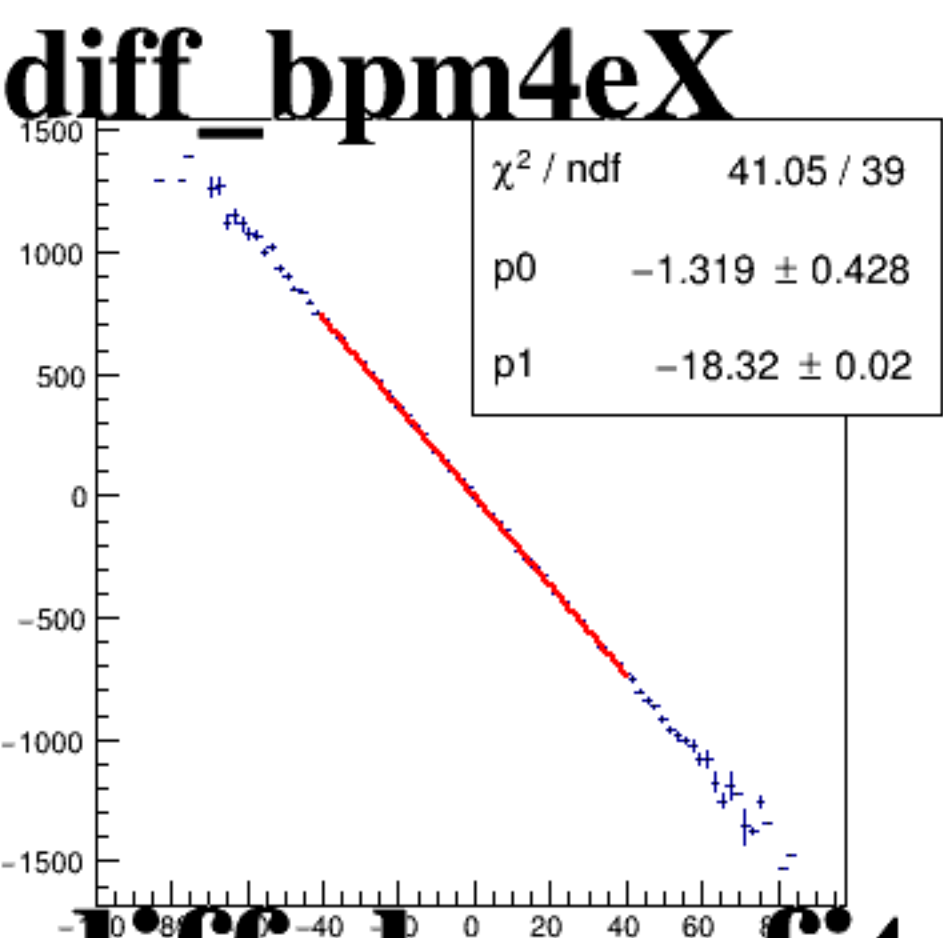
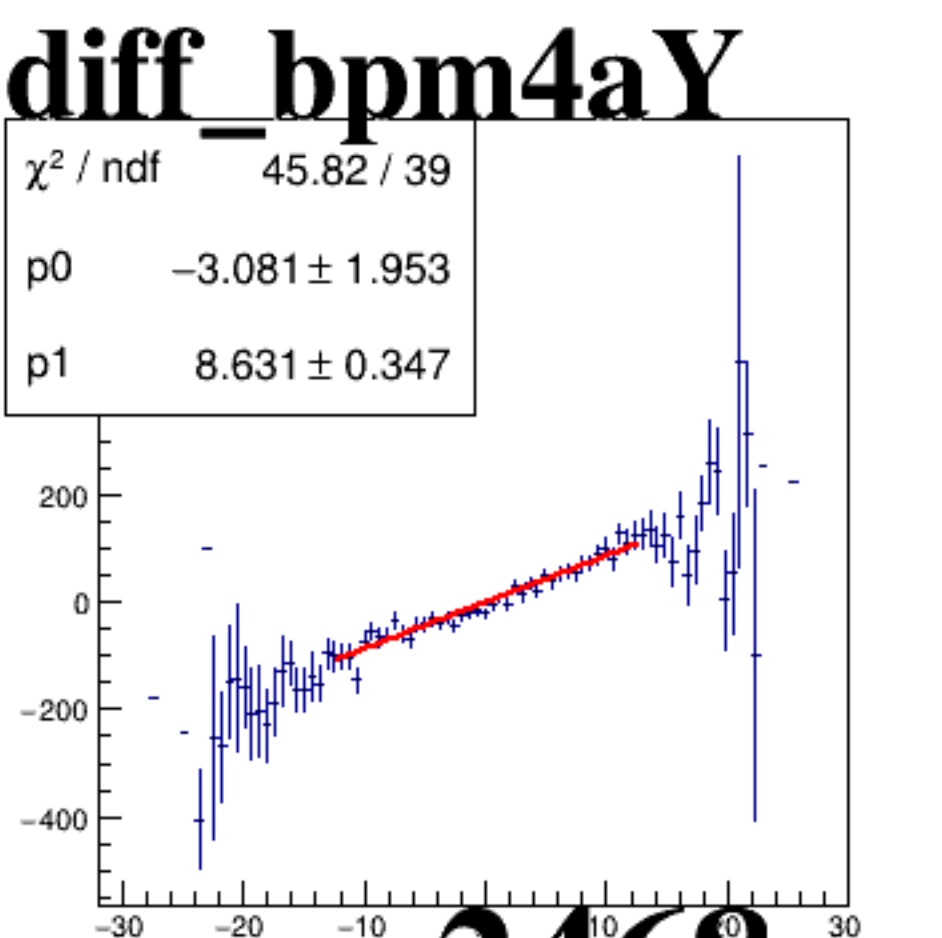
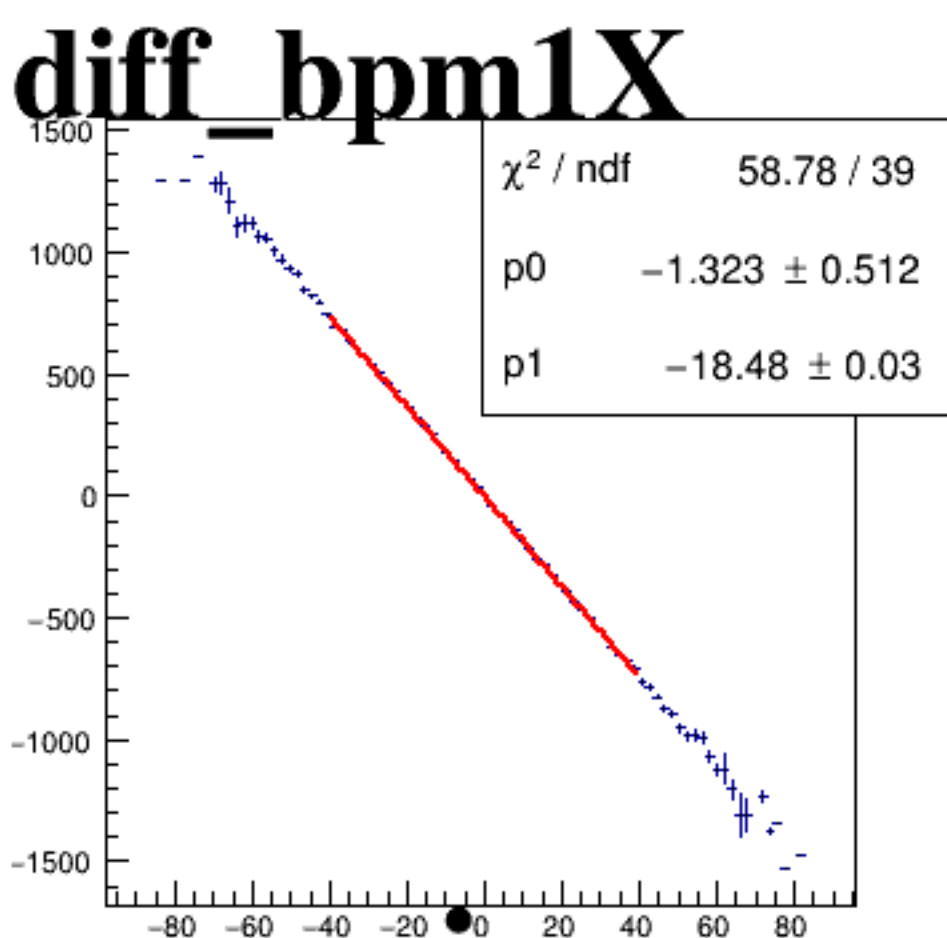
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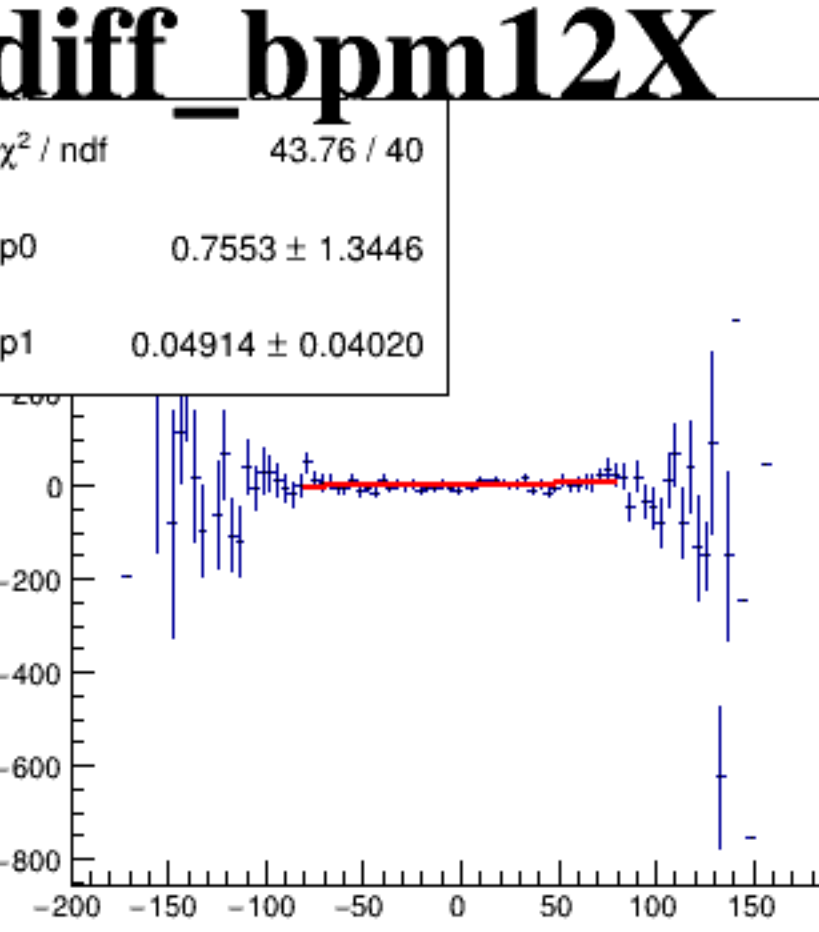
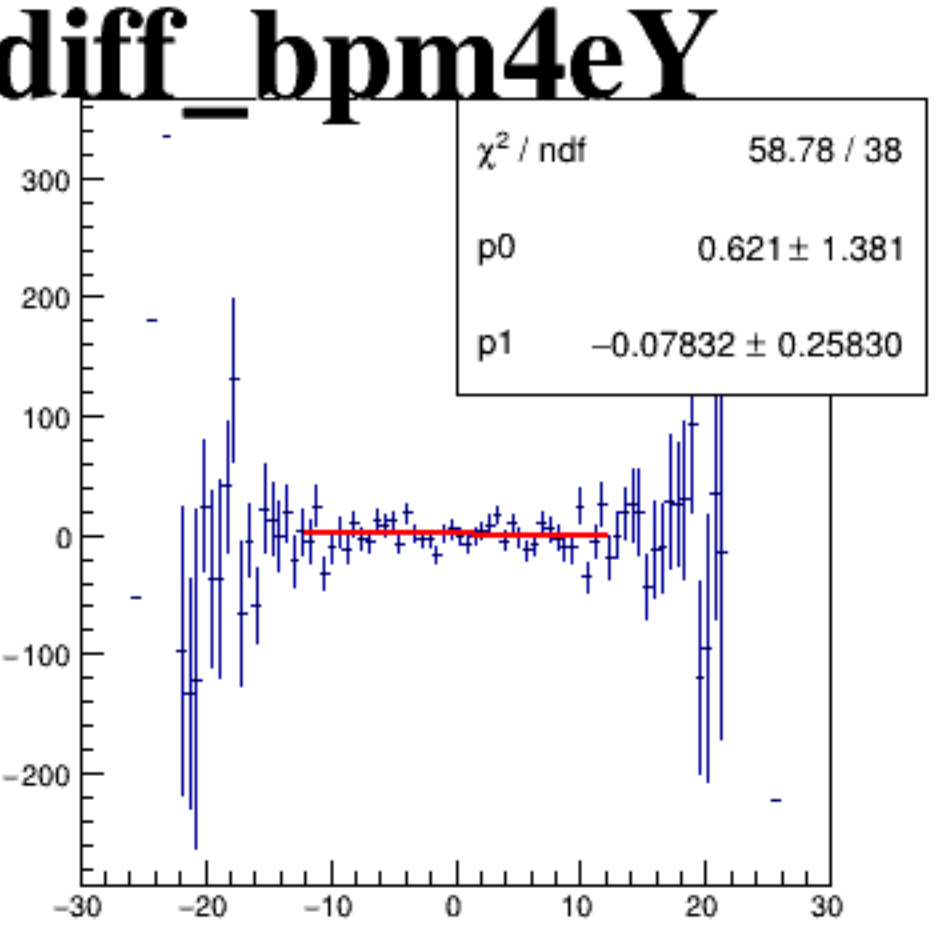
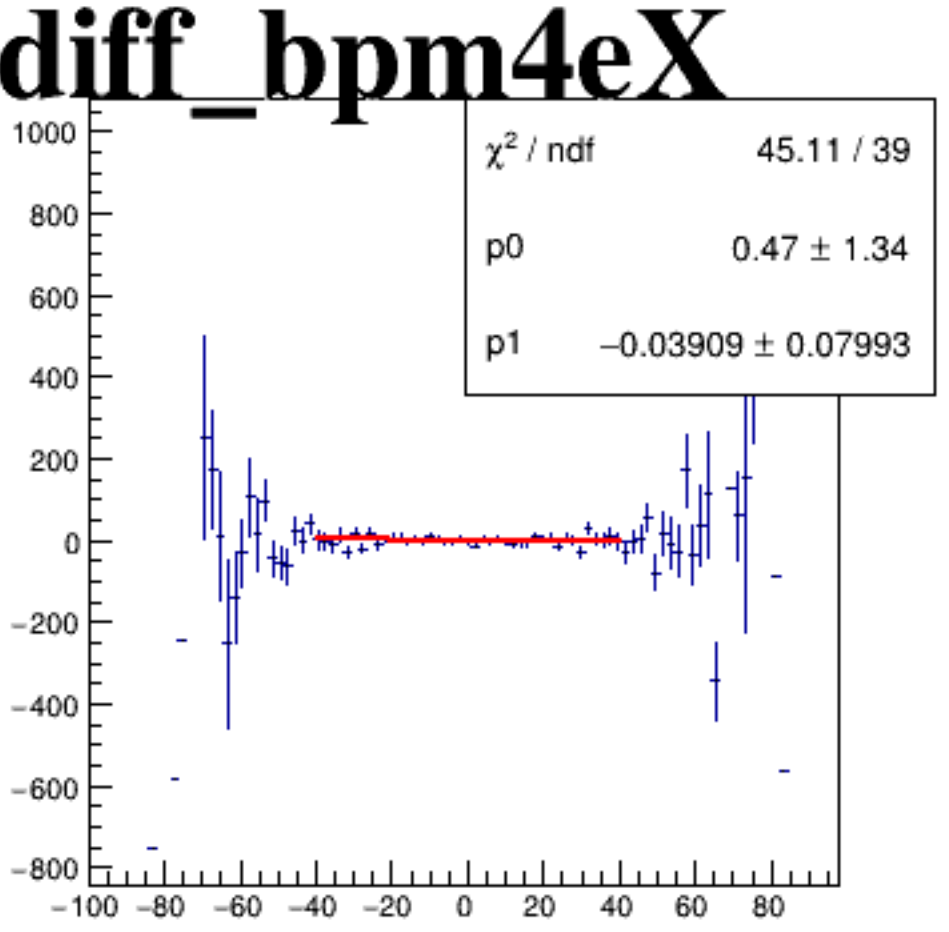
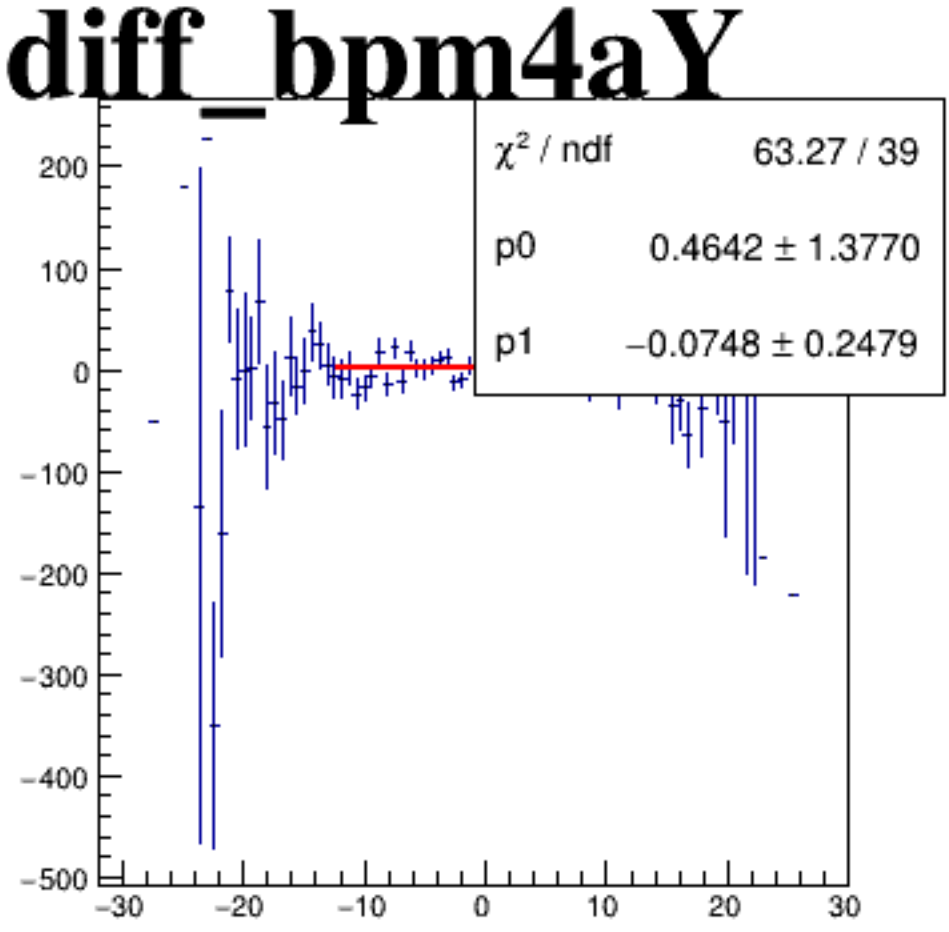
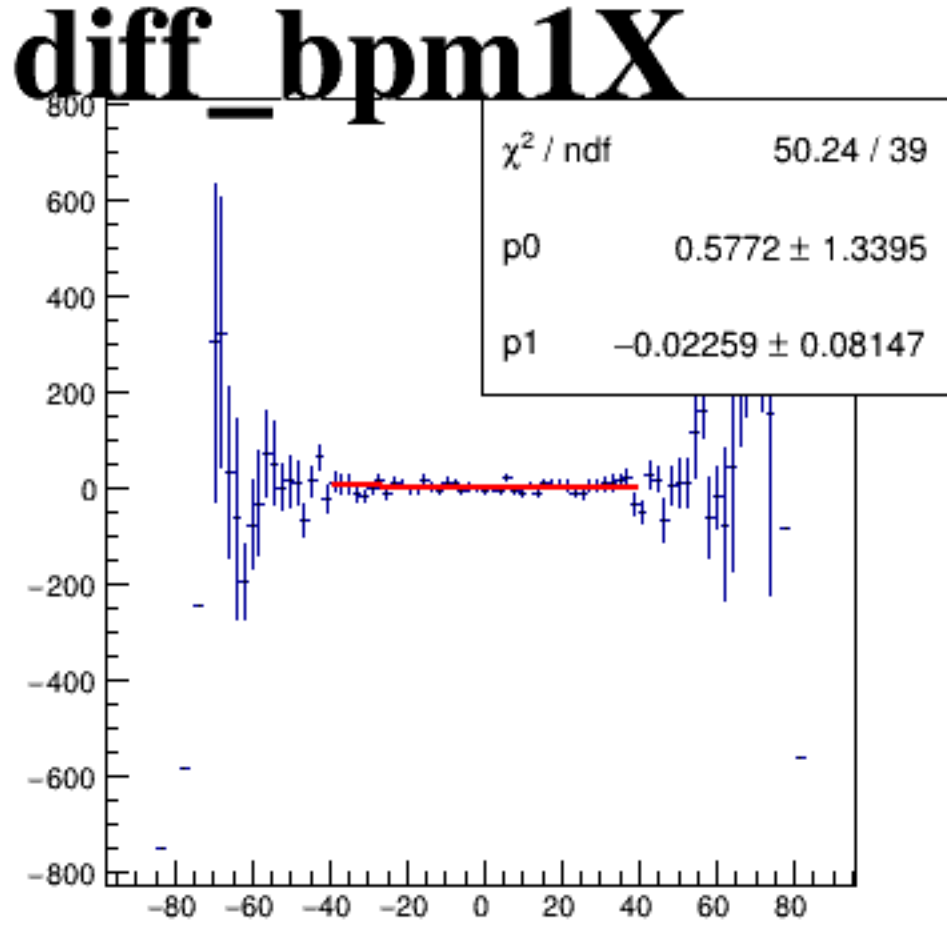
asym_sam6



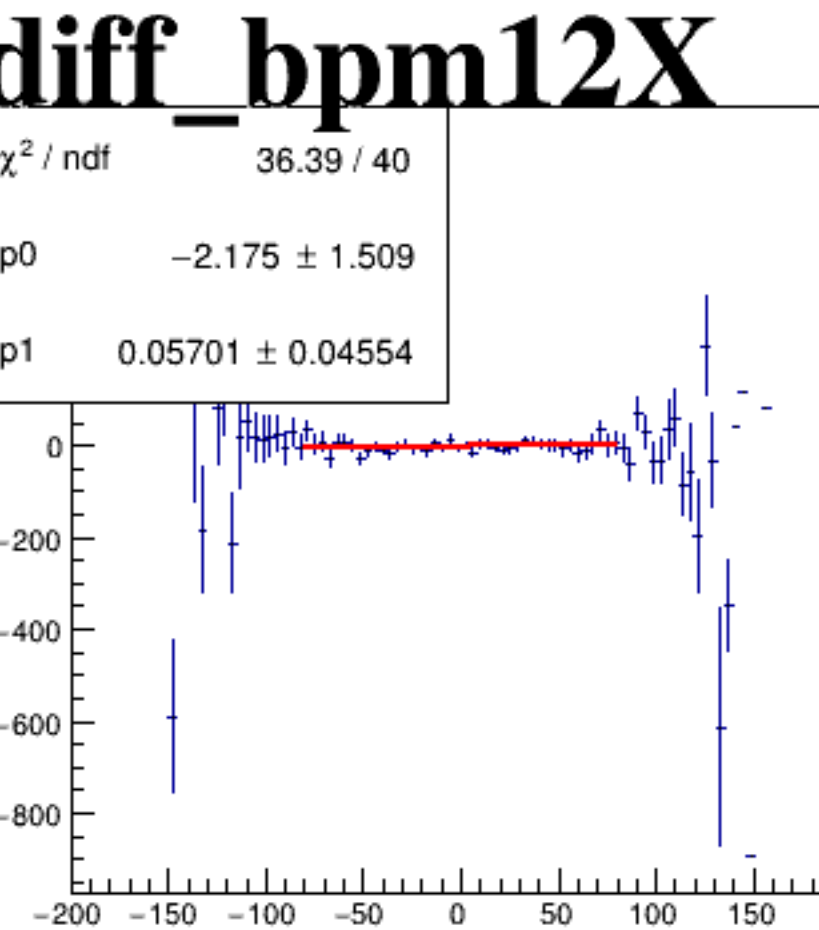
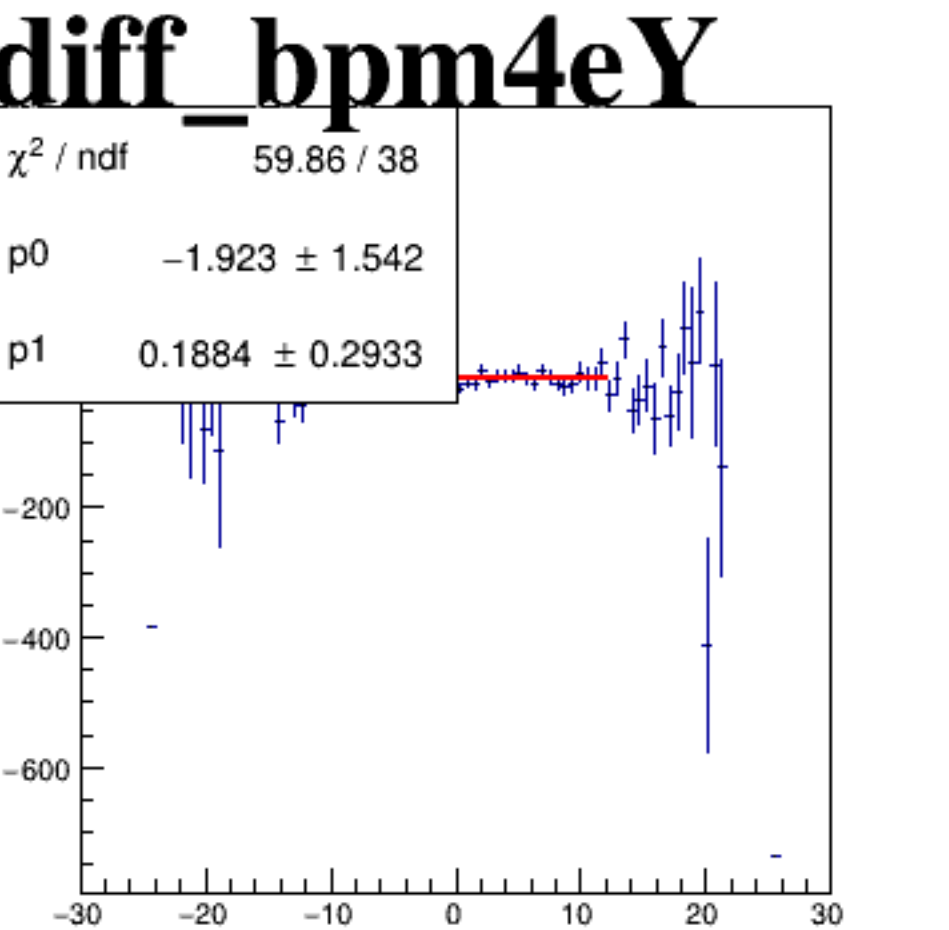
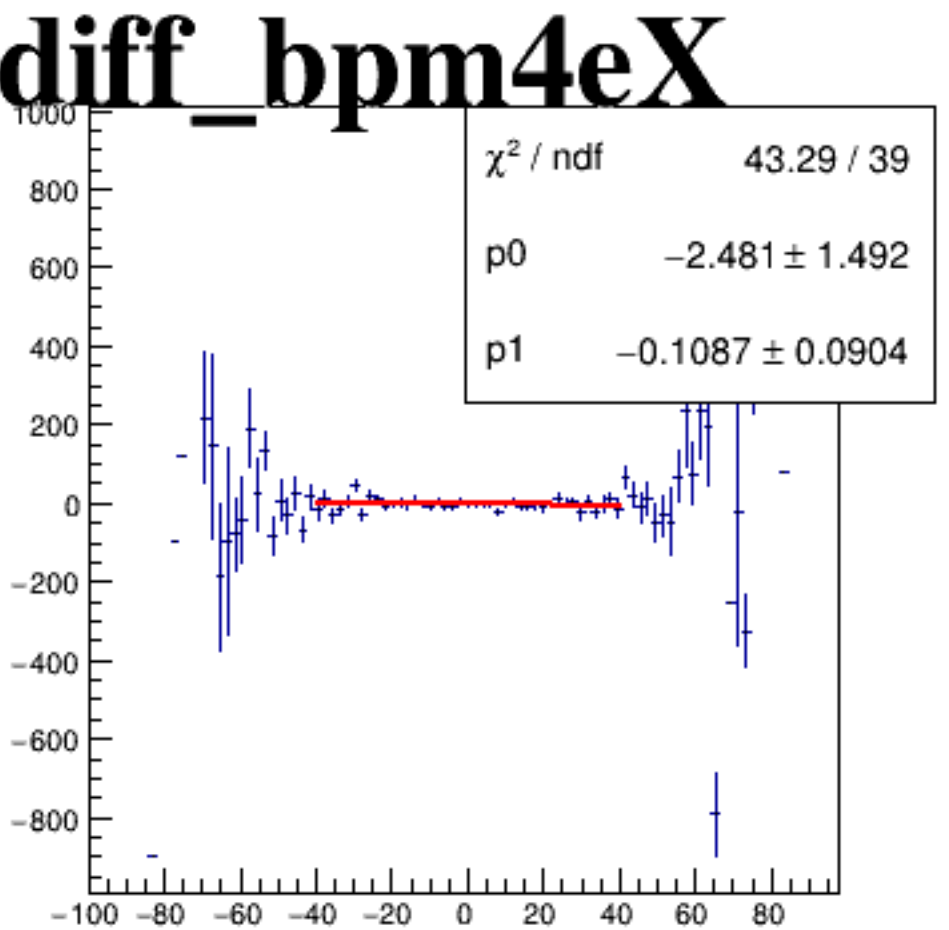
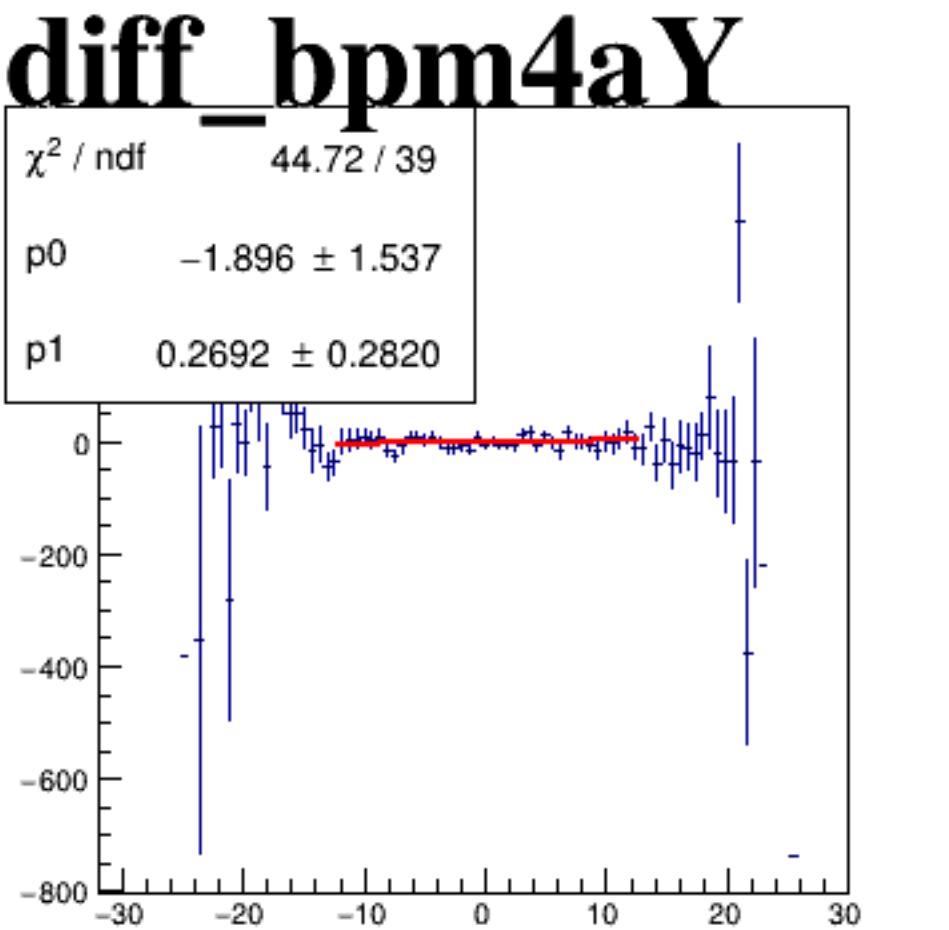
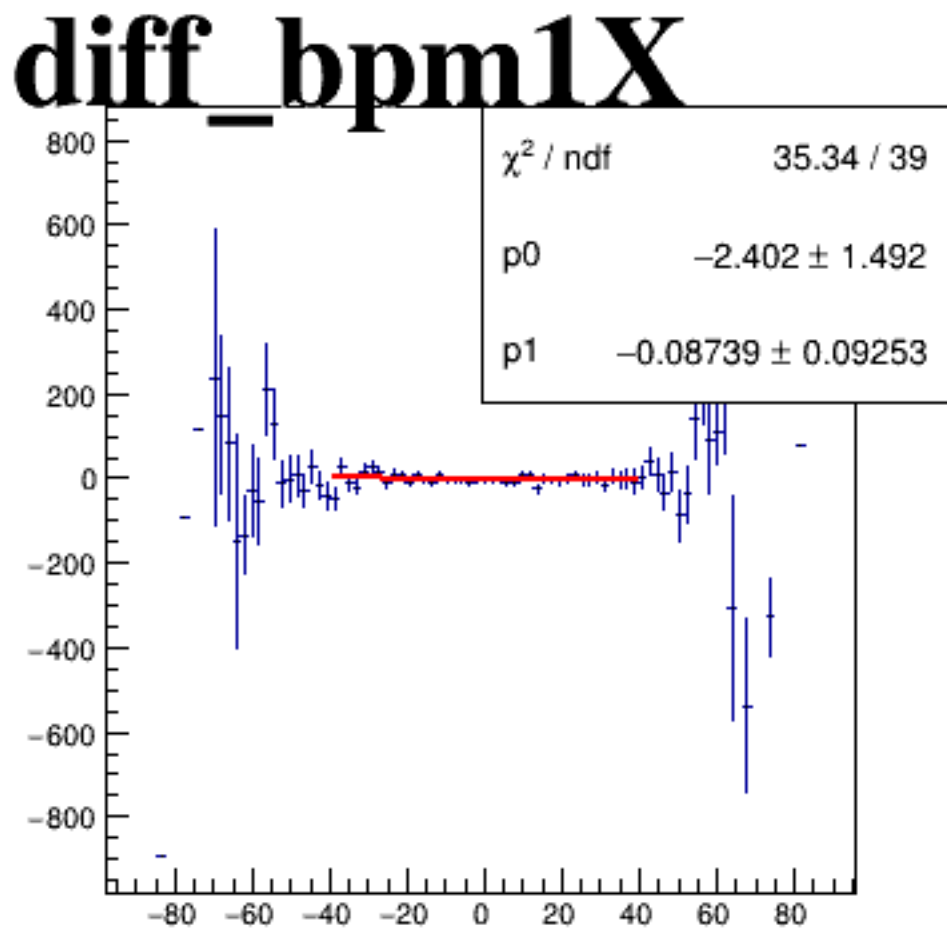
asym_sam8



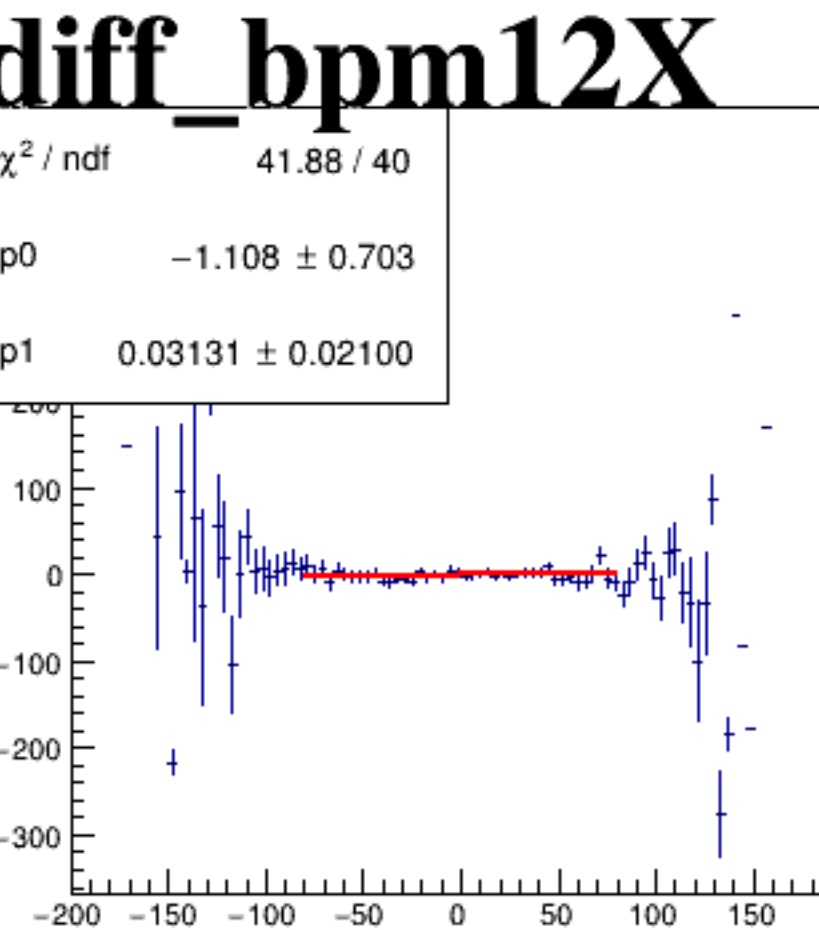
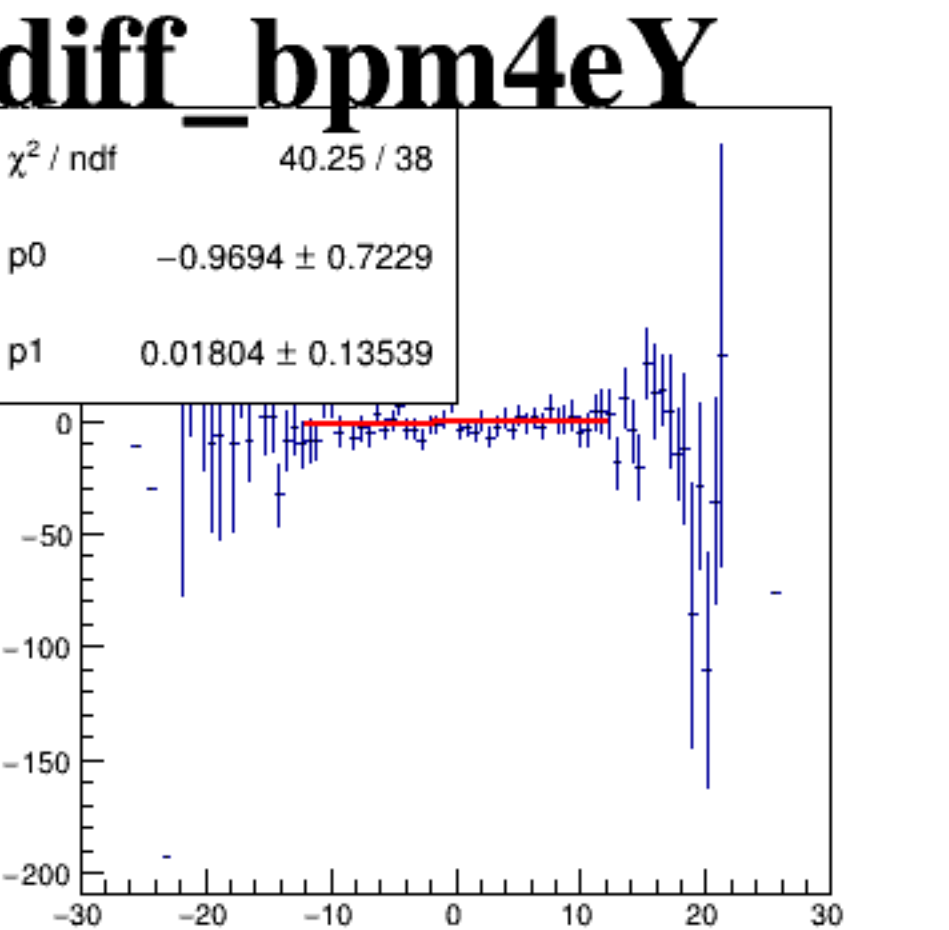
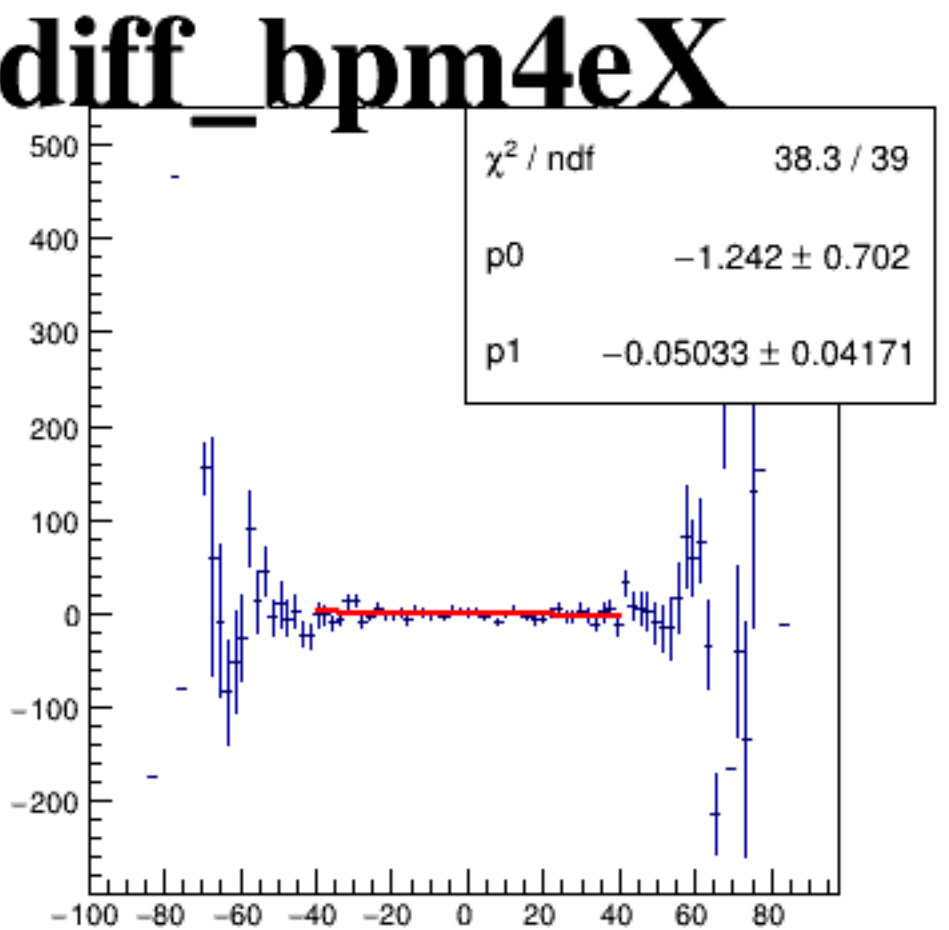
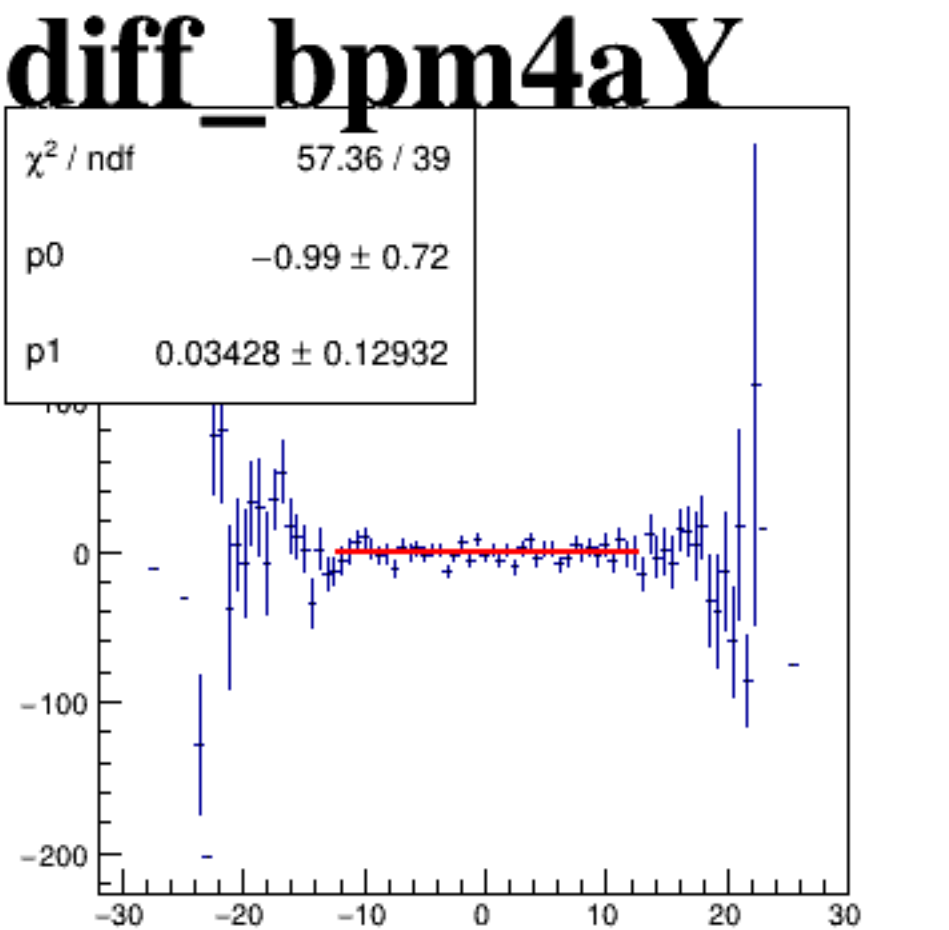
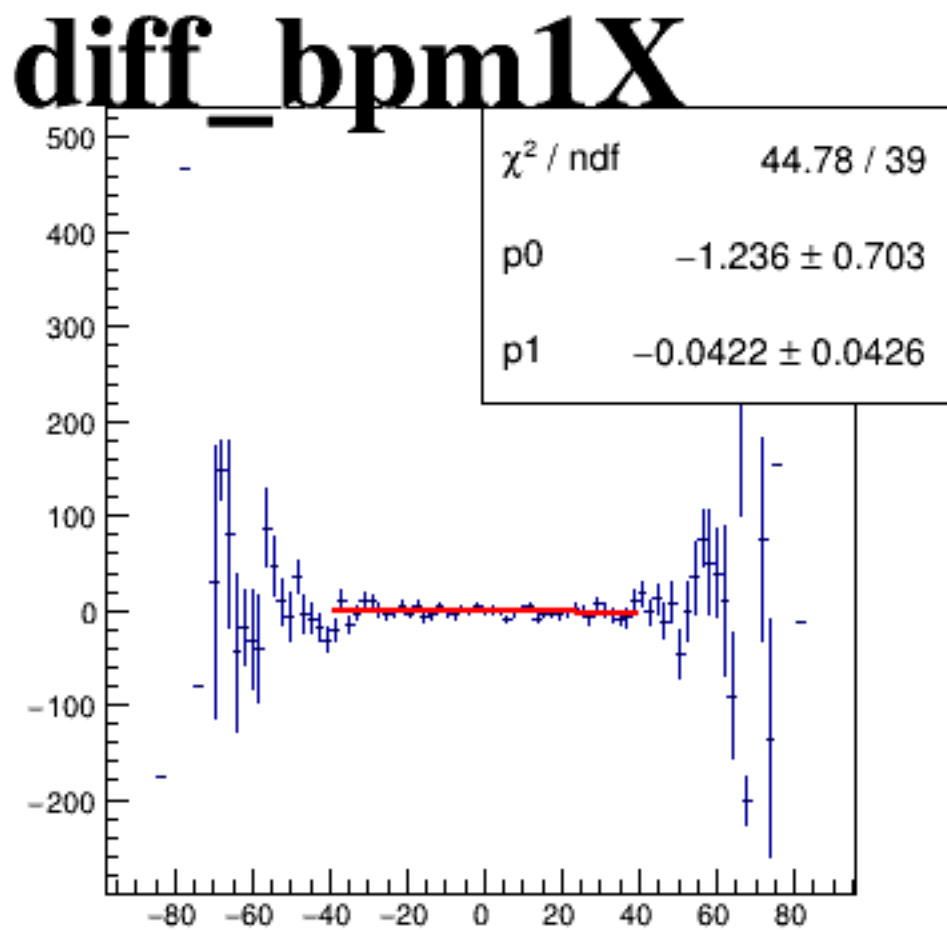
reg_asym_sam2



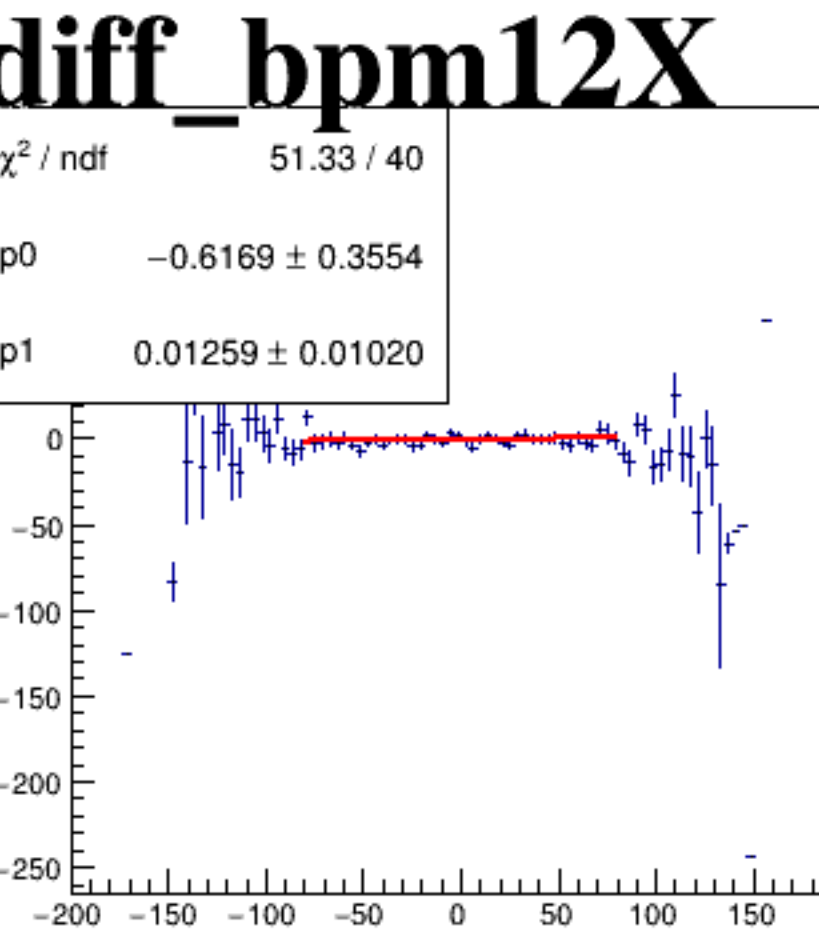
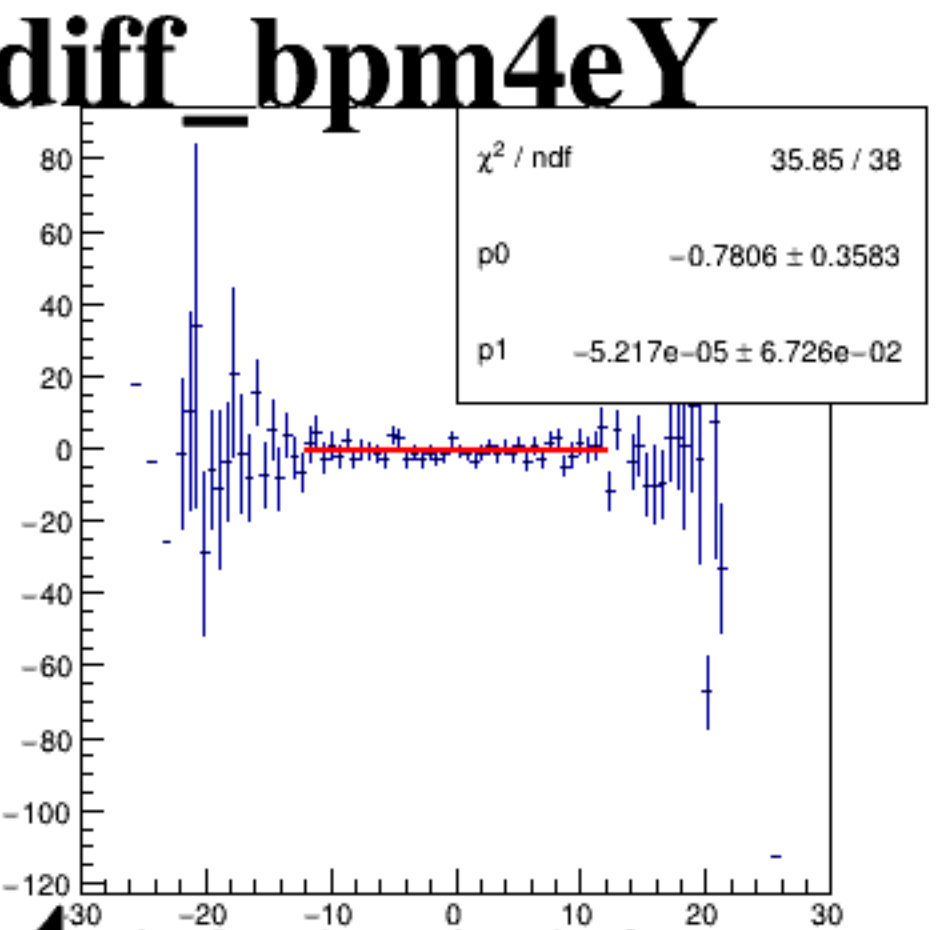
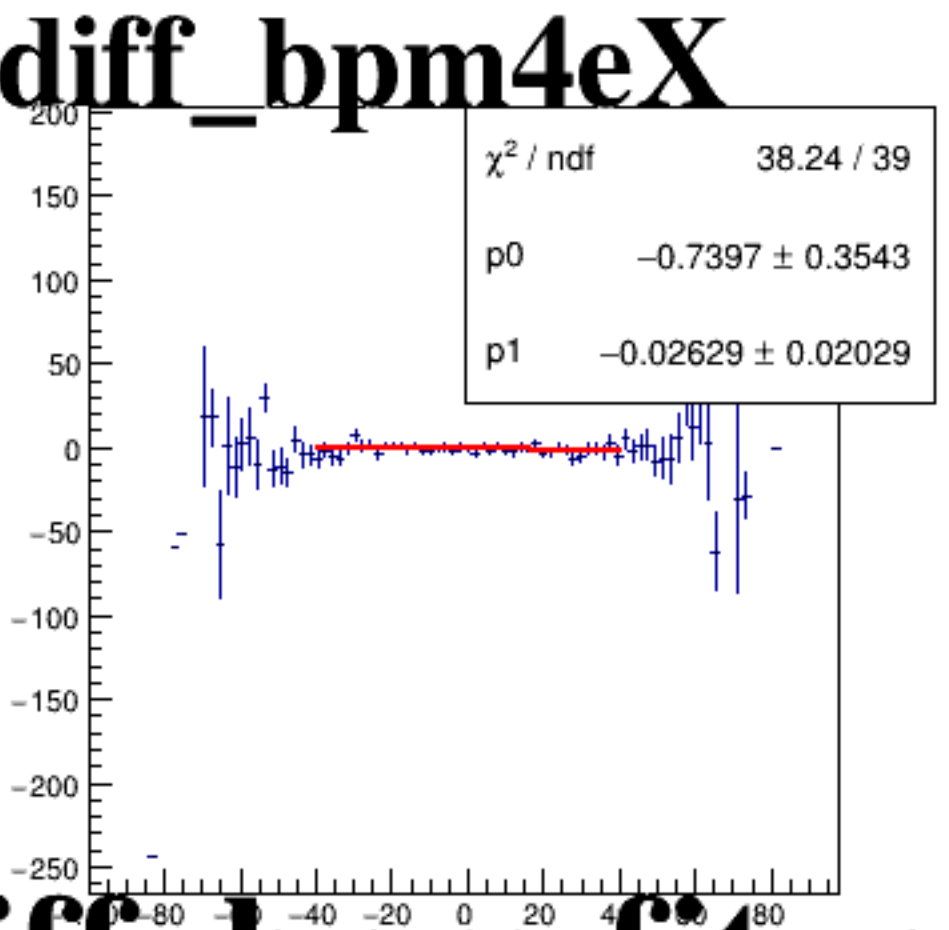
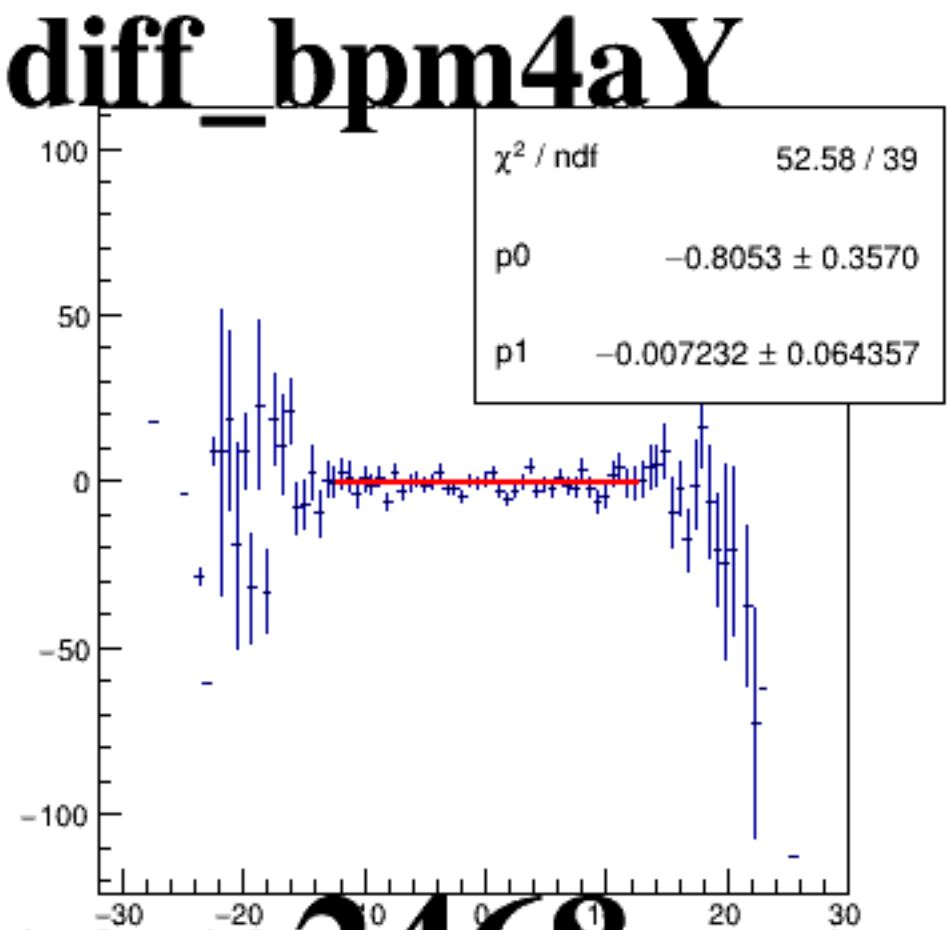
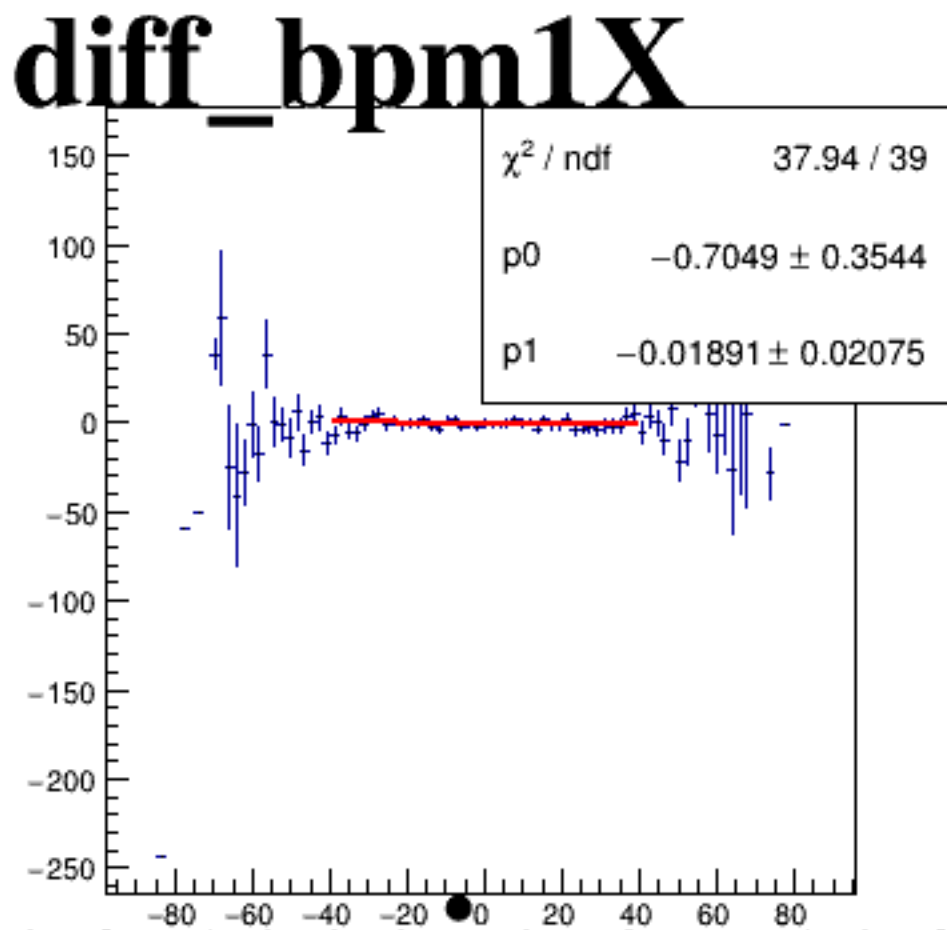
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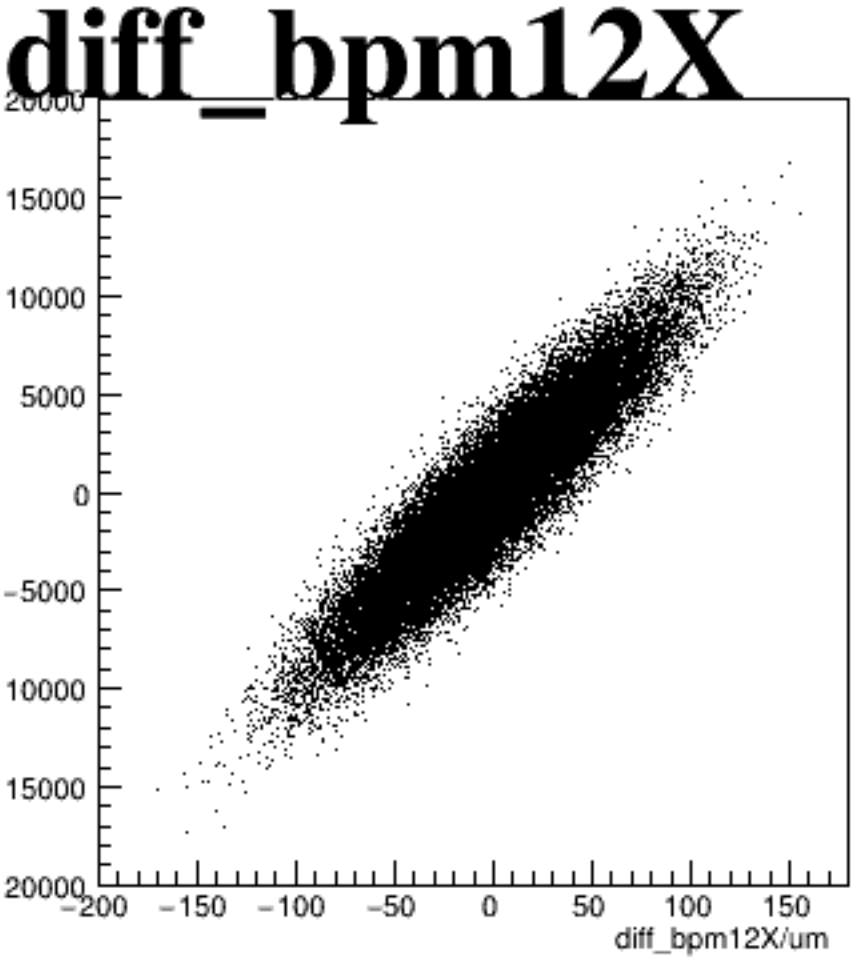
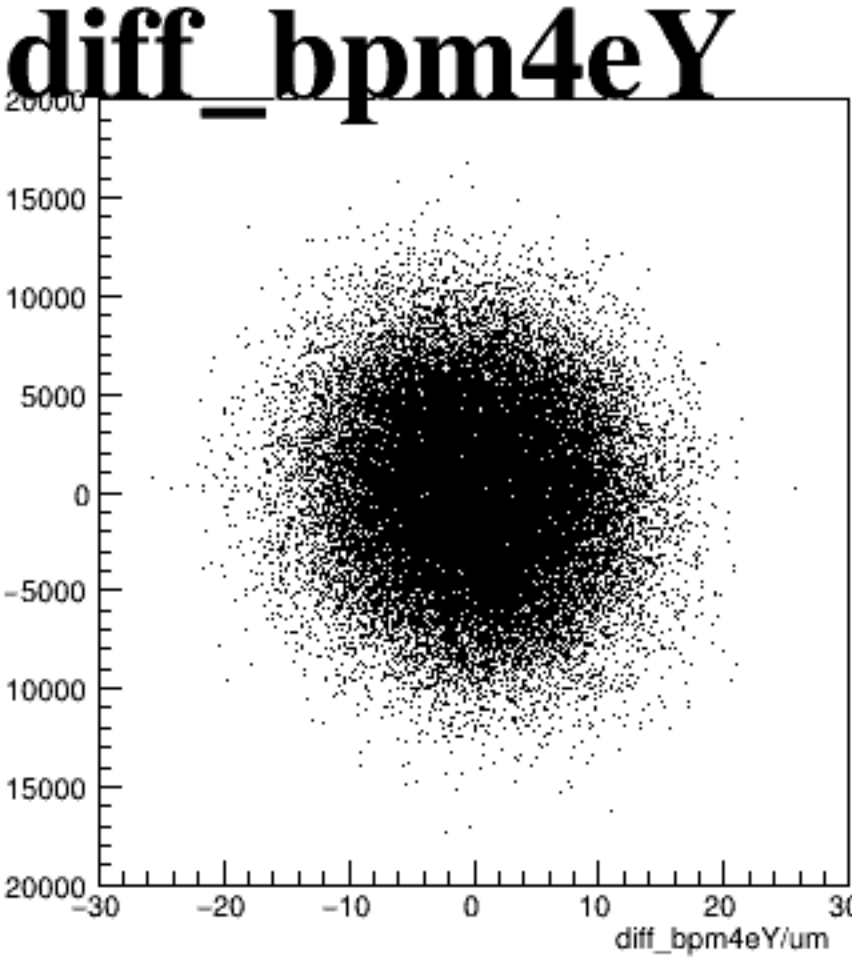
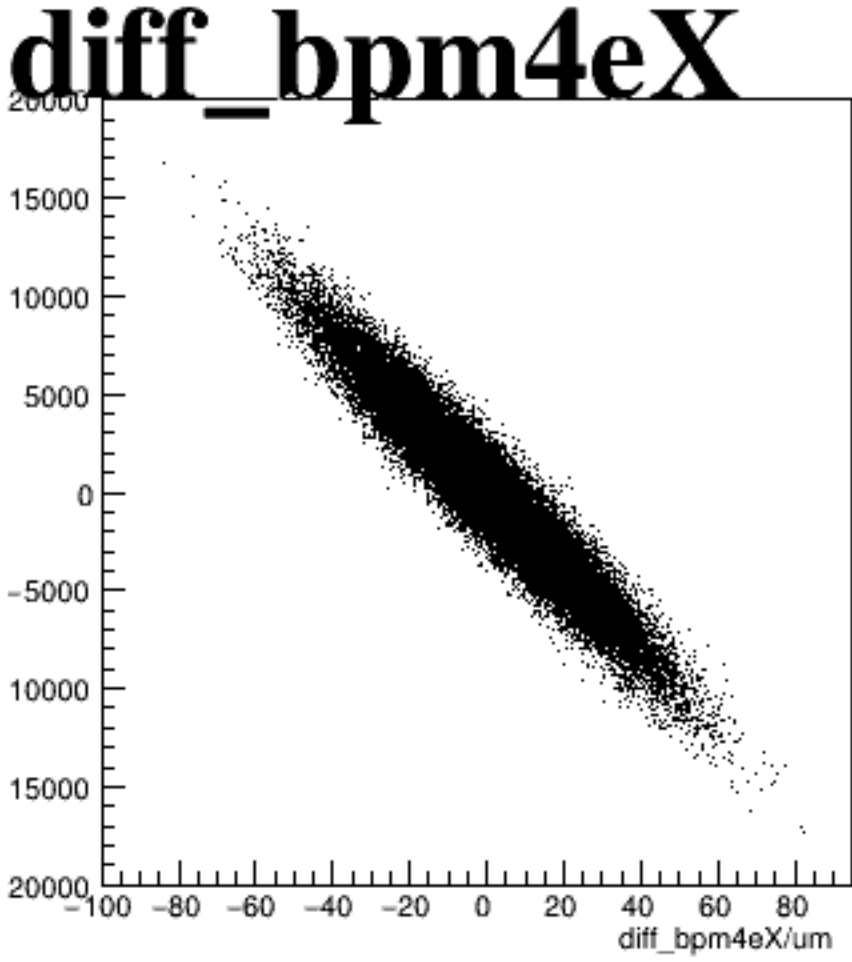
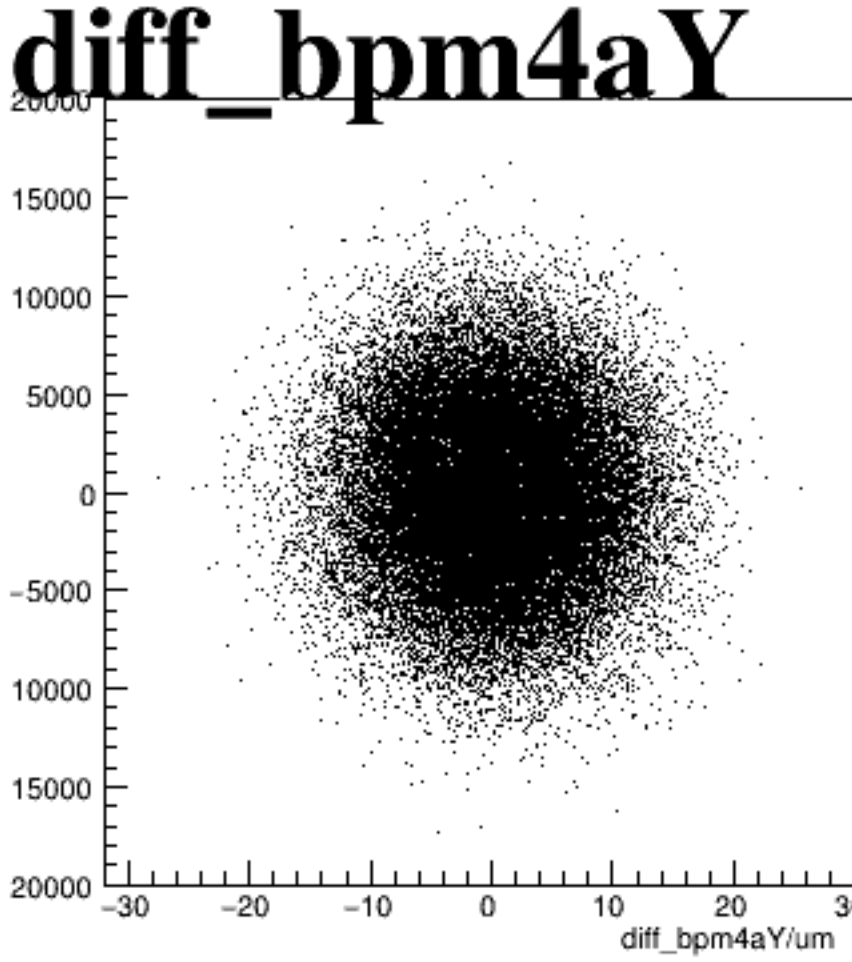
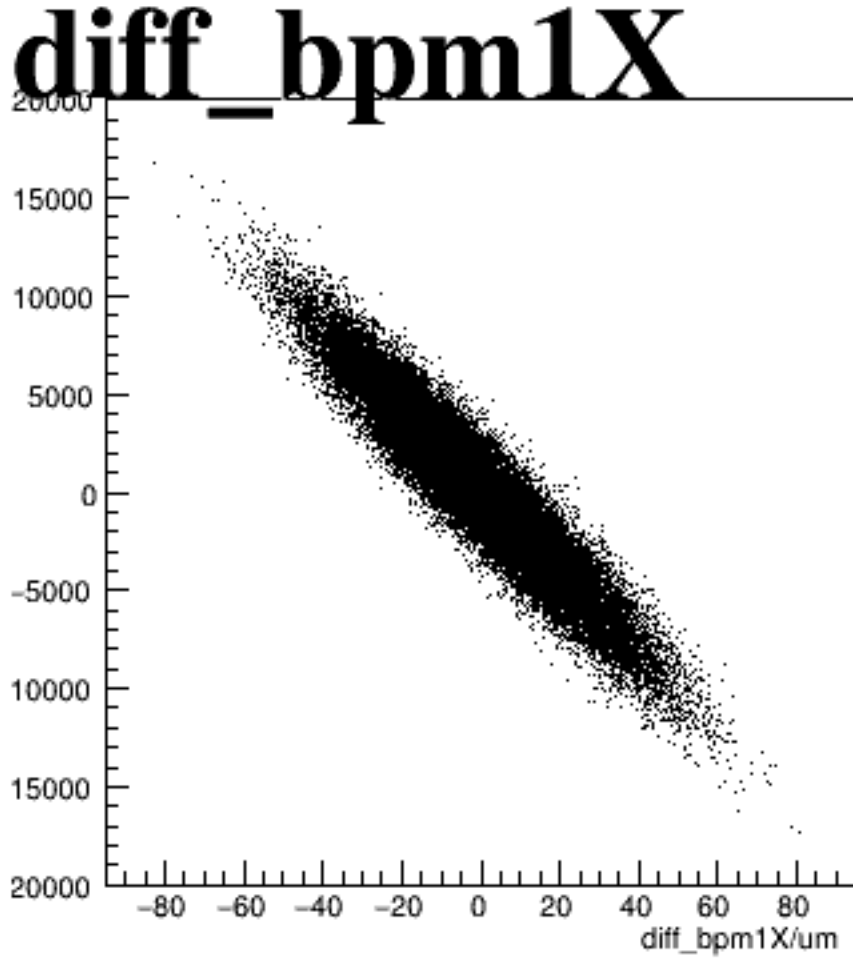
reg_asym_sam6



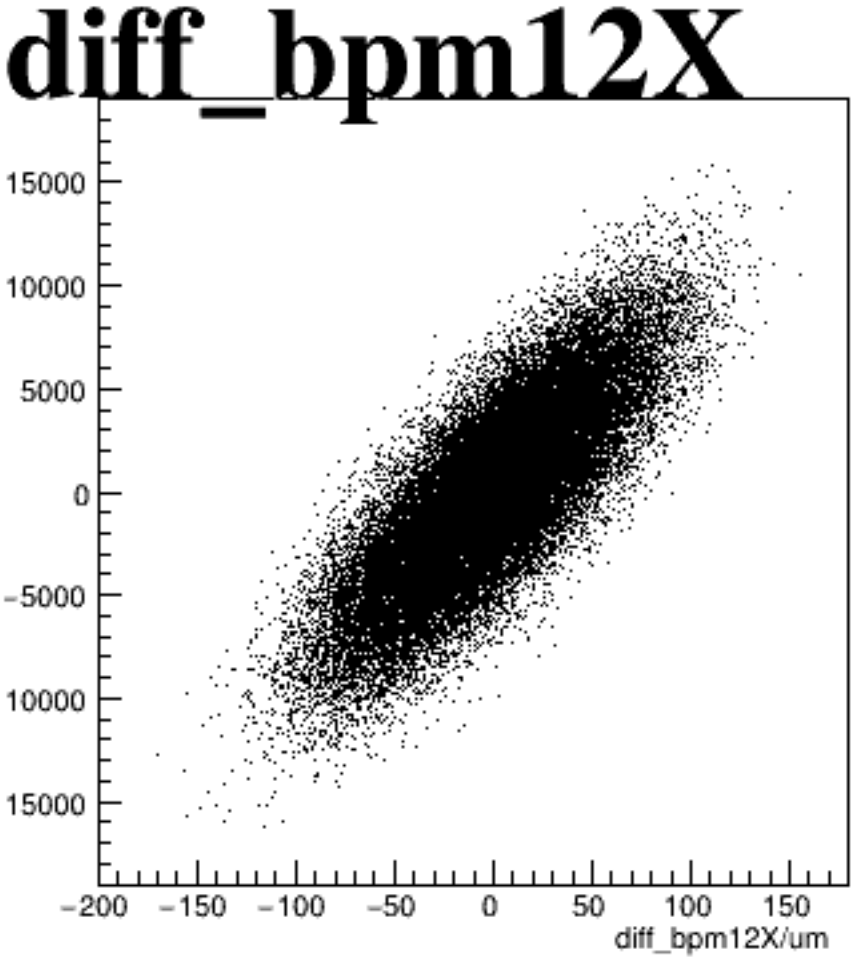
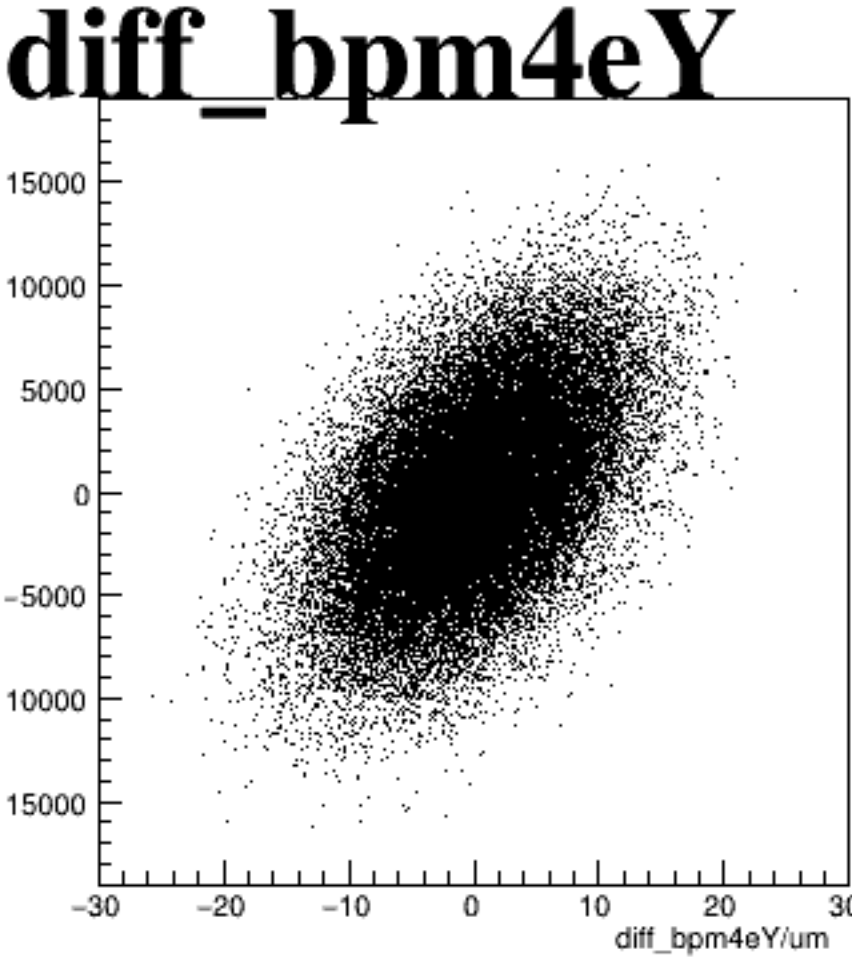
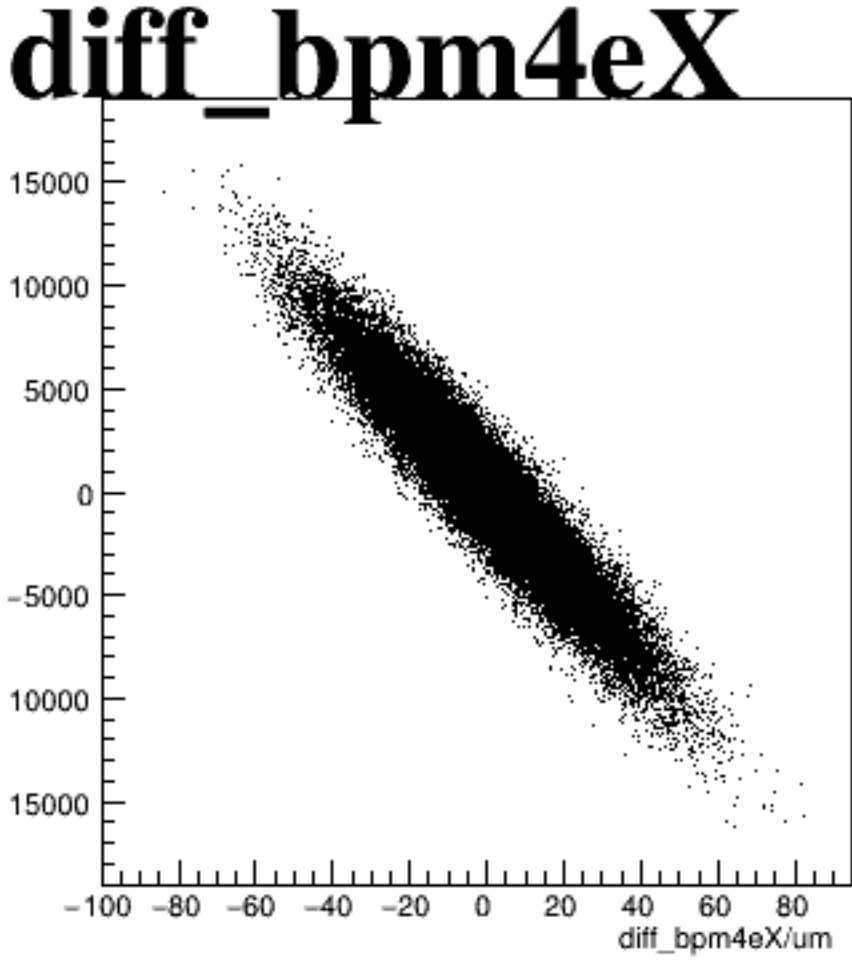
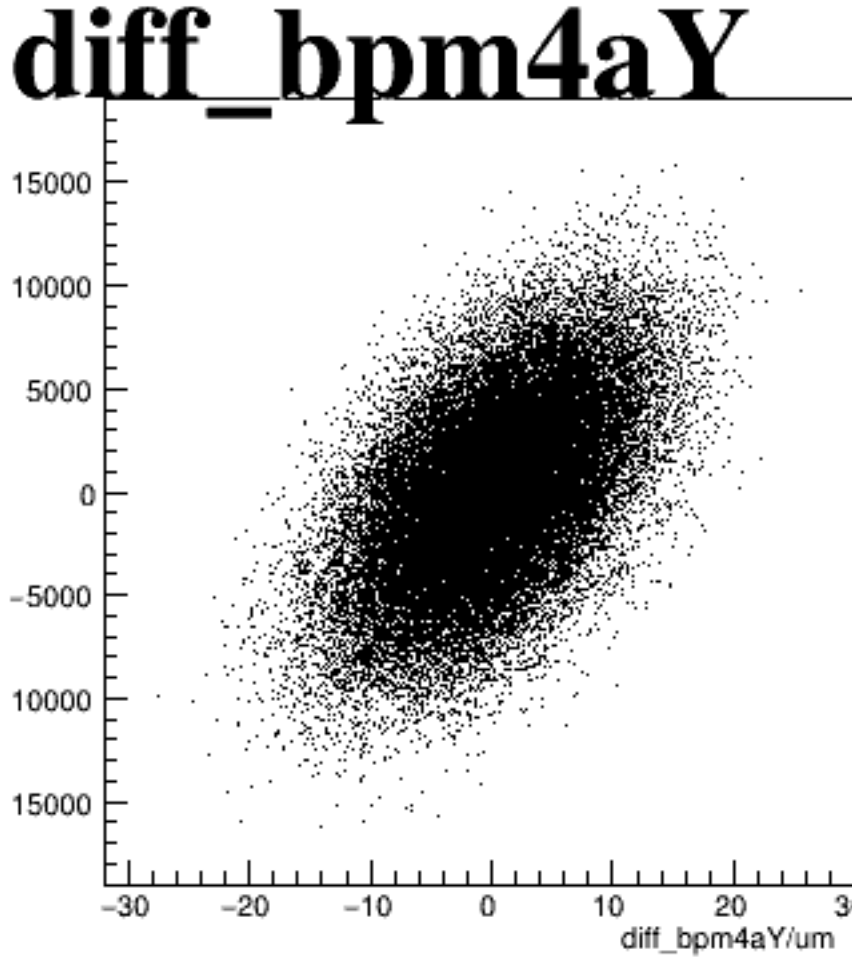
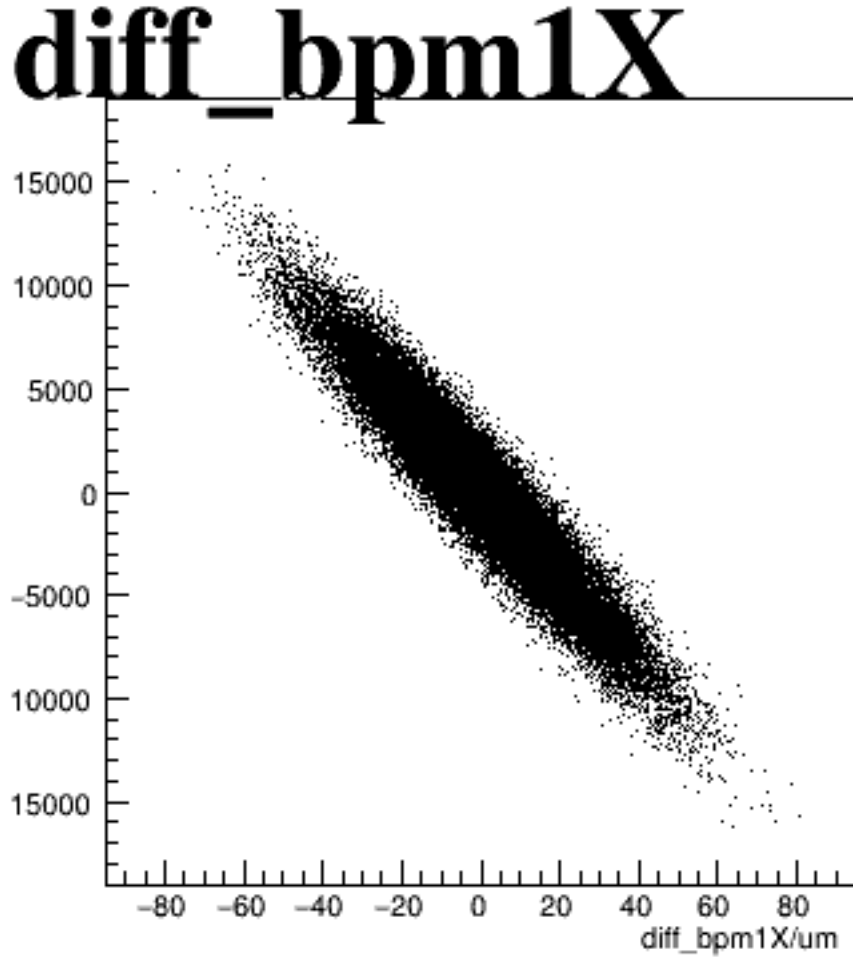
reg_asym_sam8



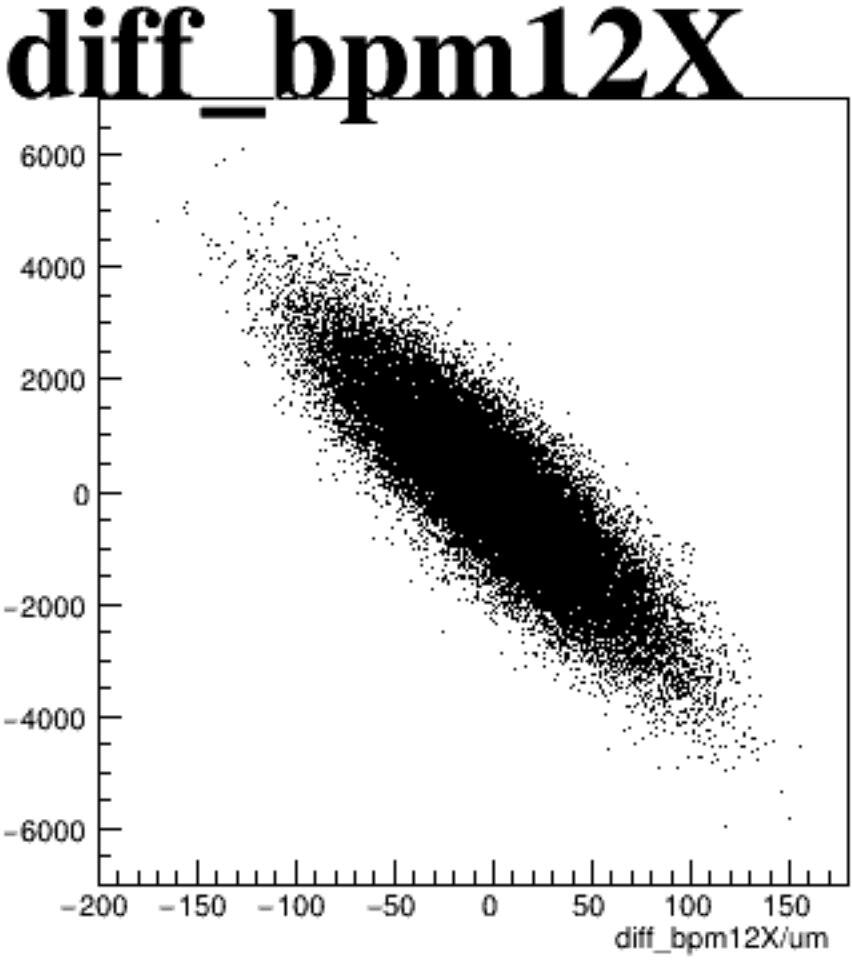
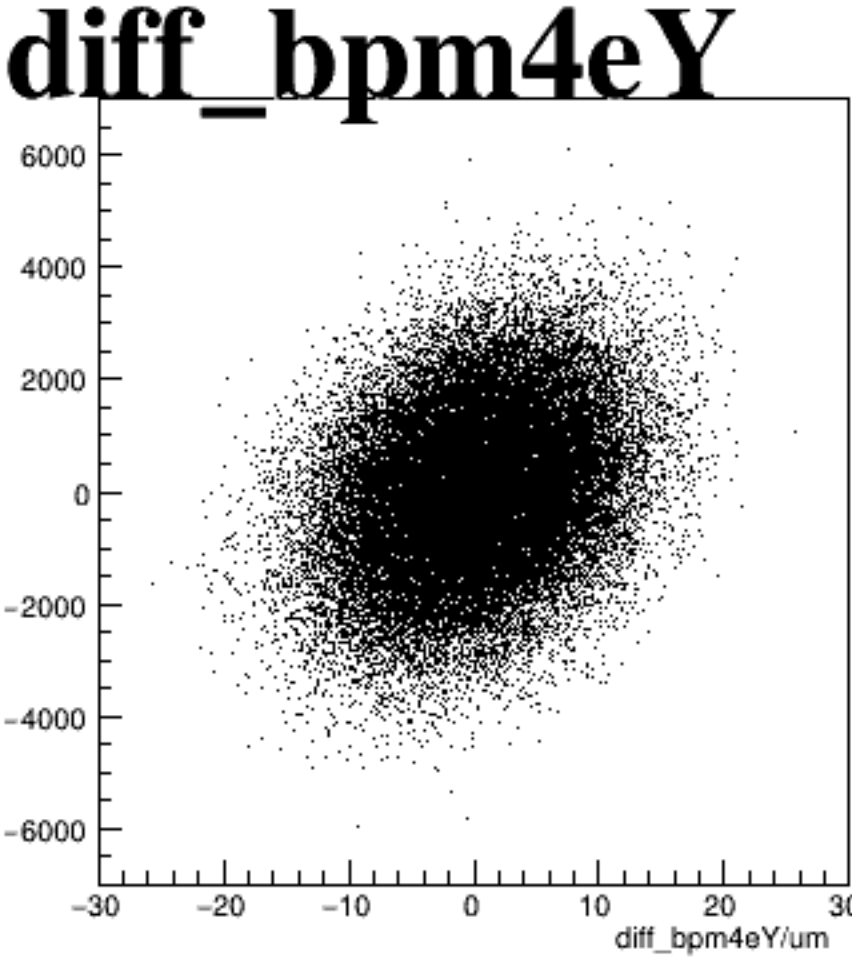
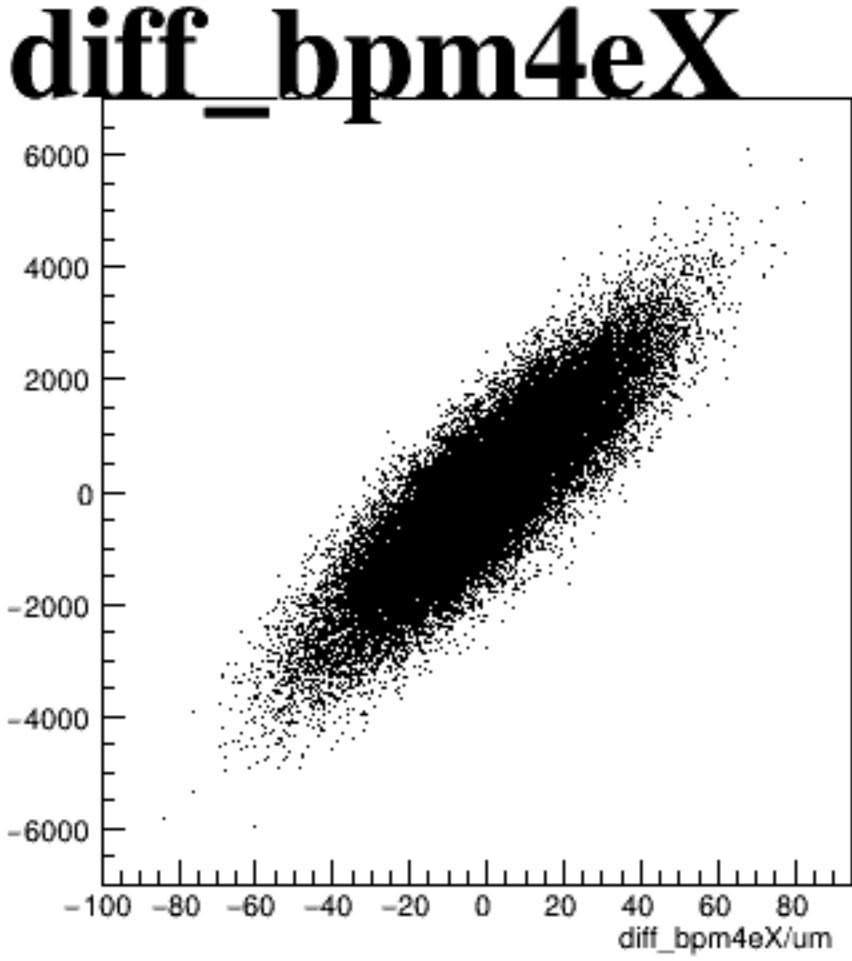
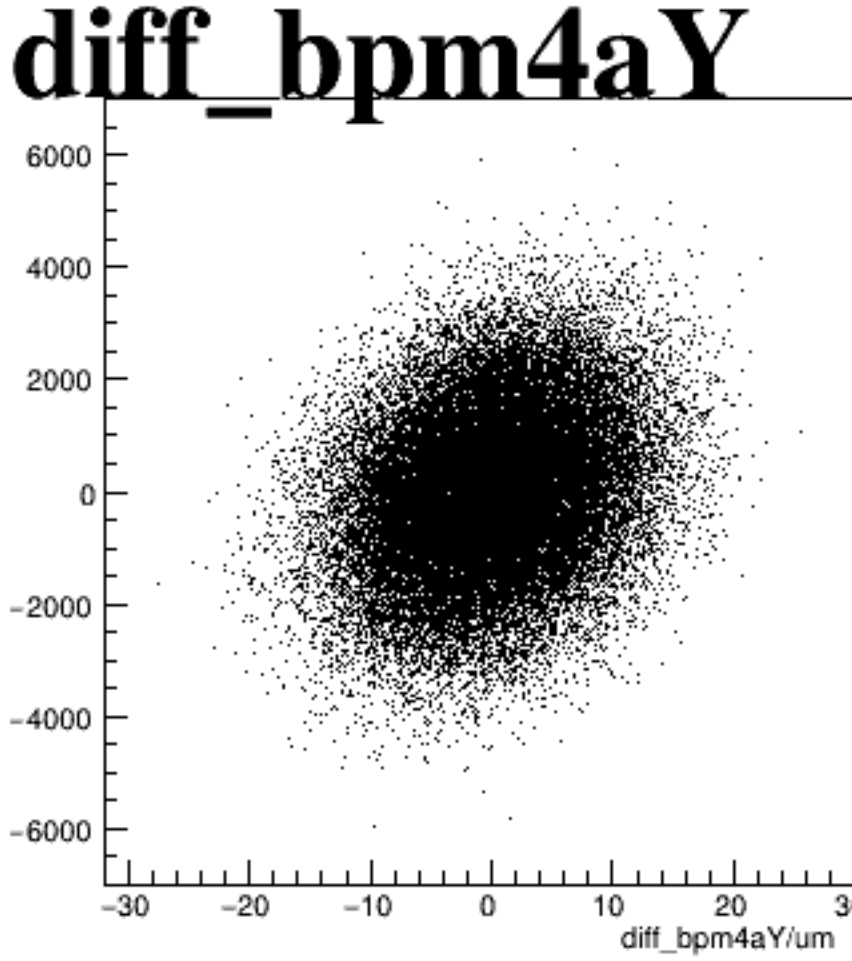
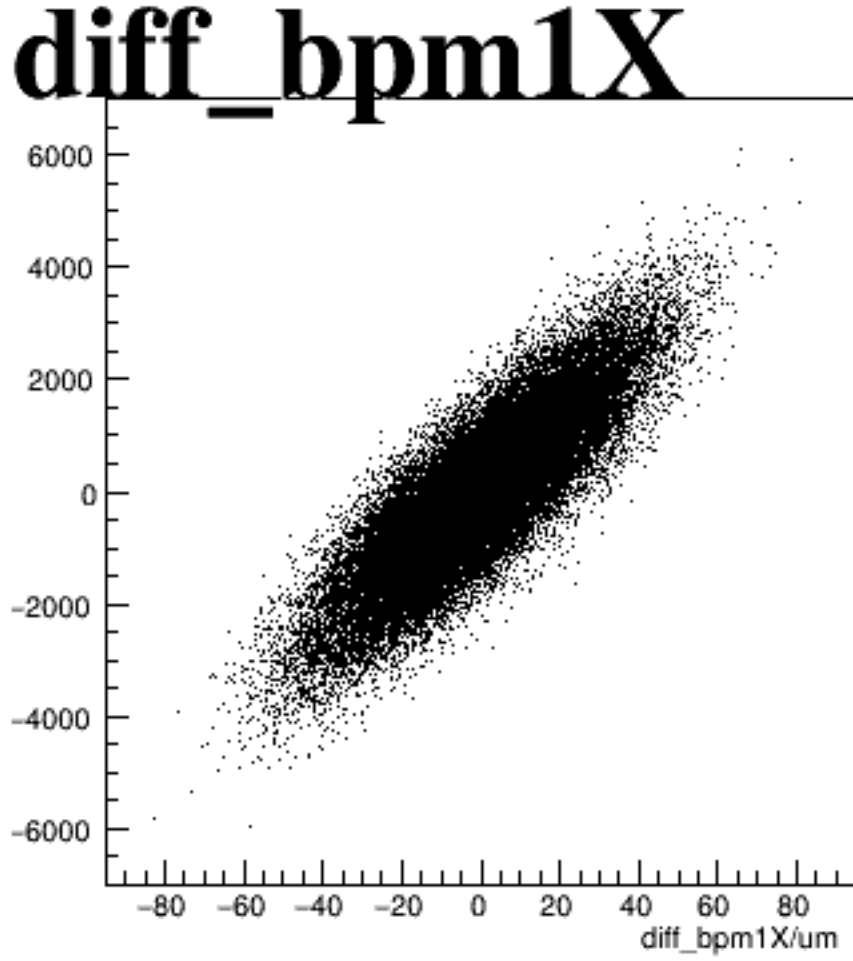
asym_sam2



asym_sam4



asym_sam6



asym_sam8

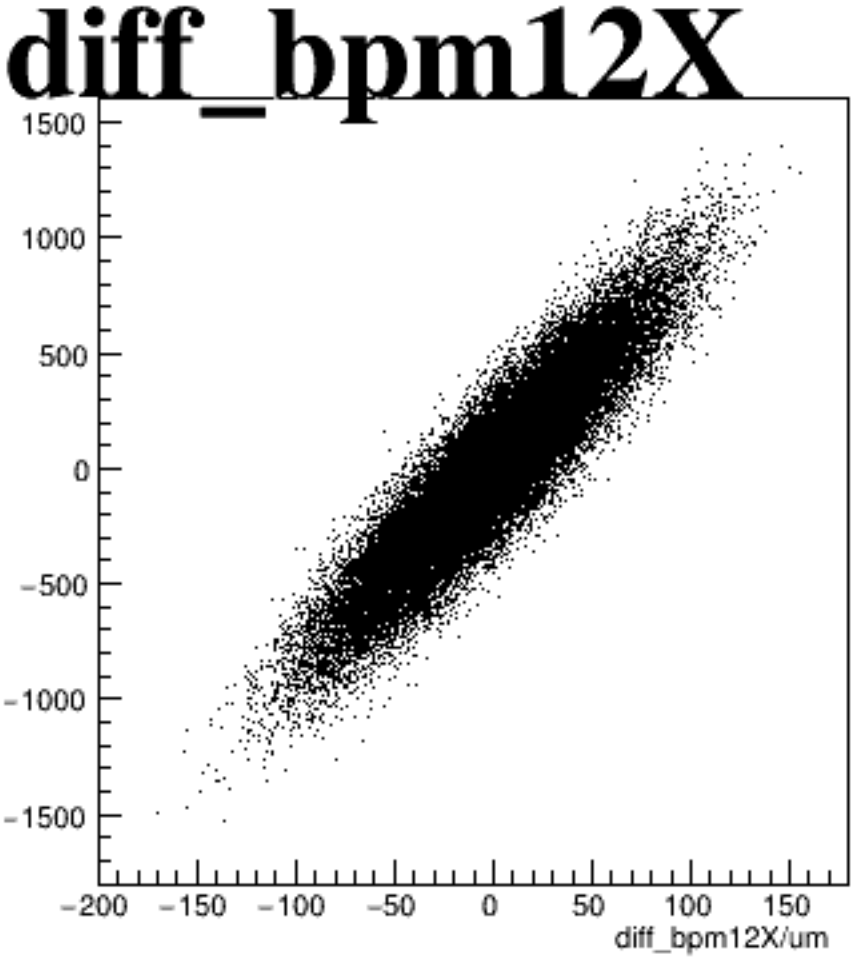
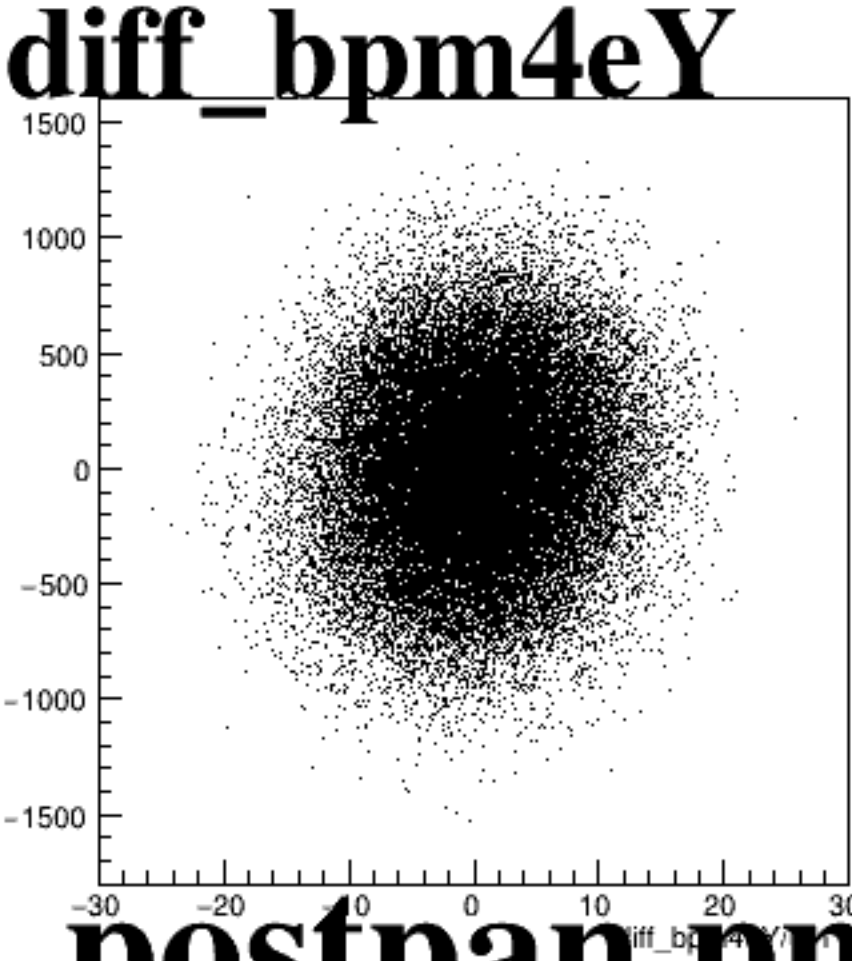
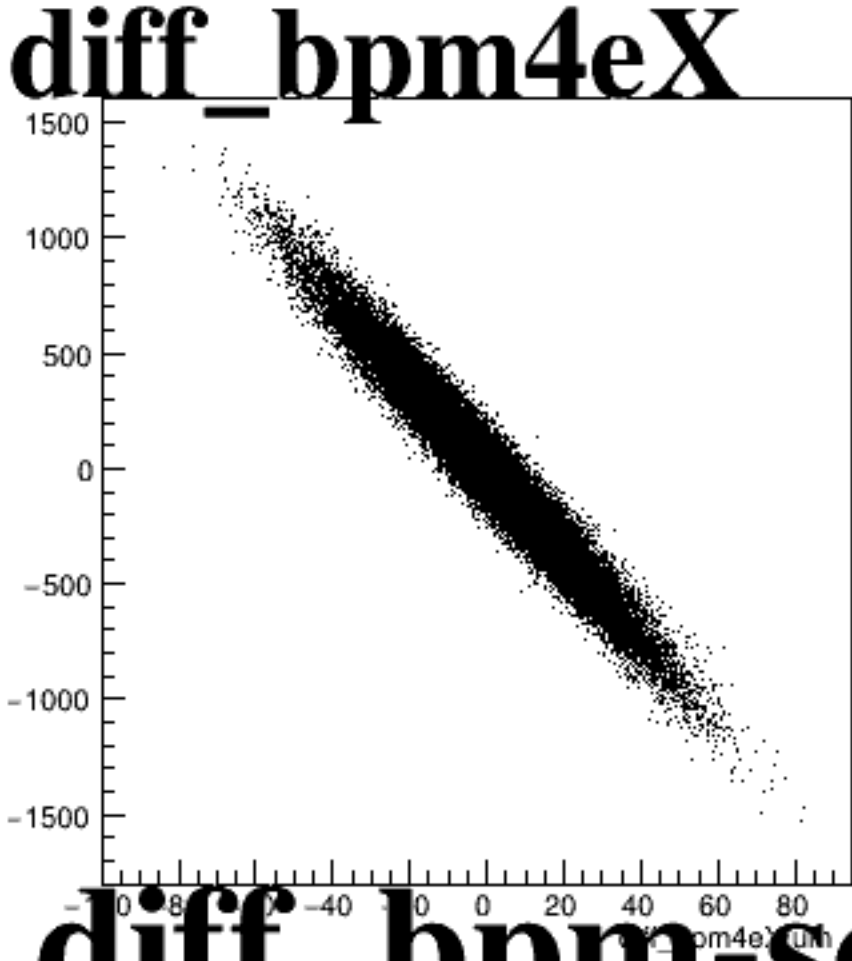
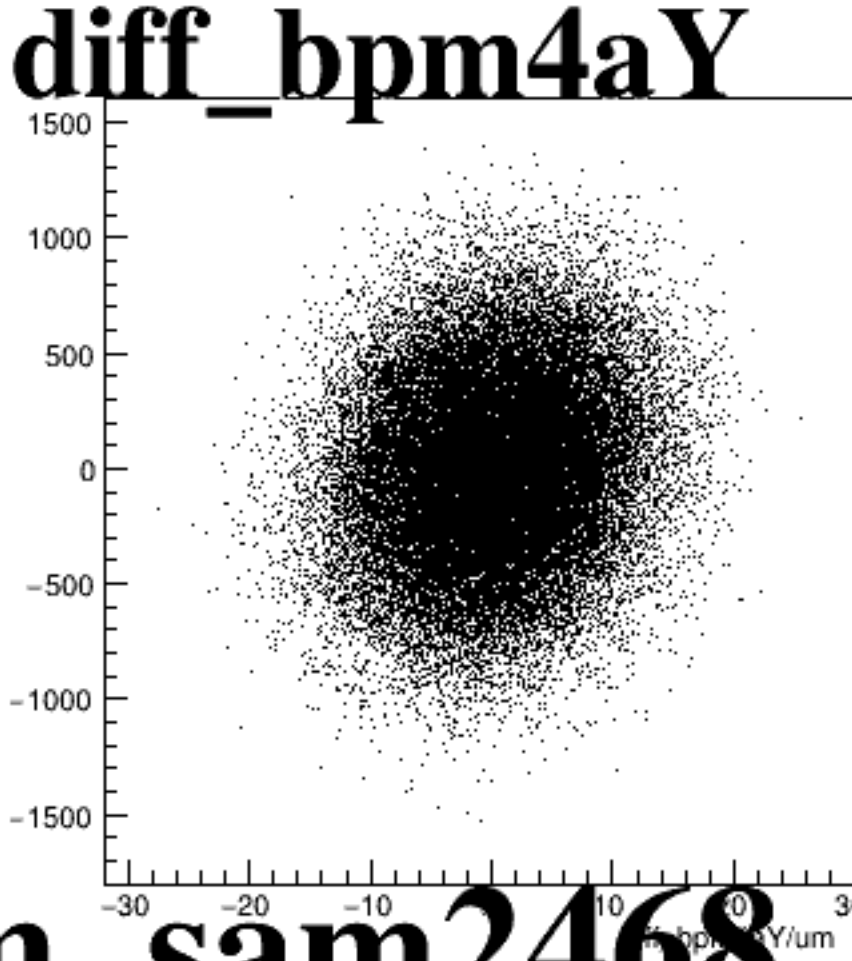
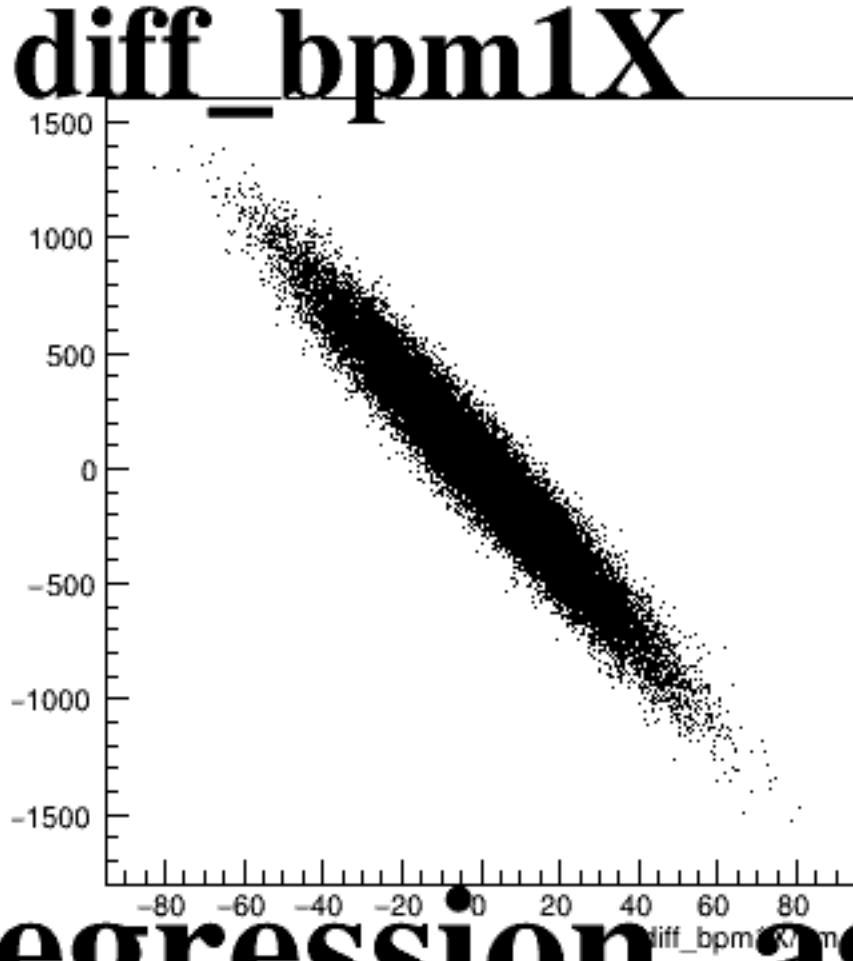
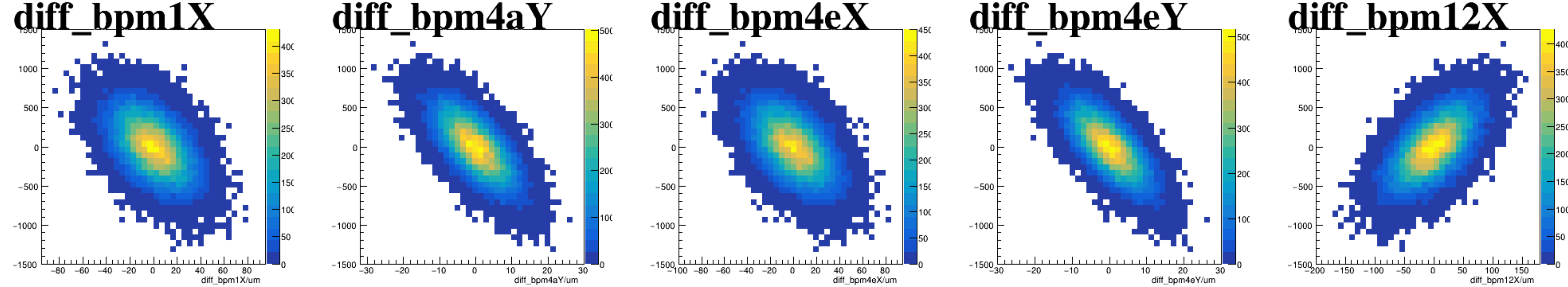


Figure 10 displays five scatter plots comparing the difference between BPM12 and other BPMs (BPM1, BPM4a, BPM4e) in the X and Y directions. The plots are labeled as follows:

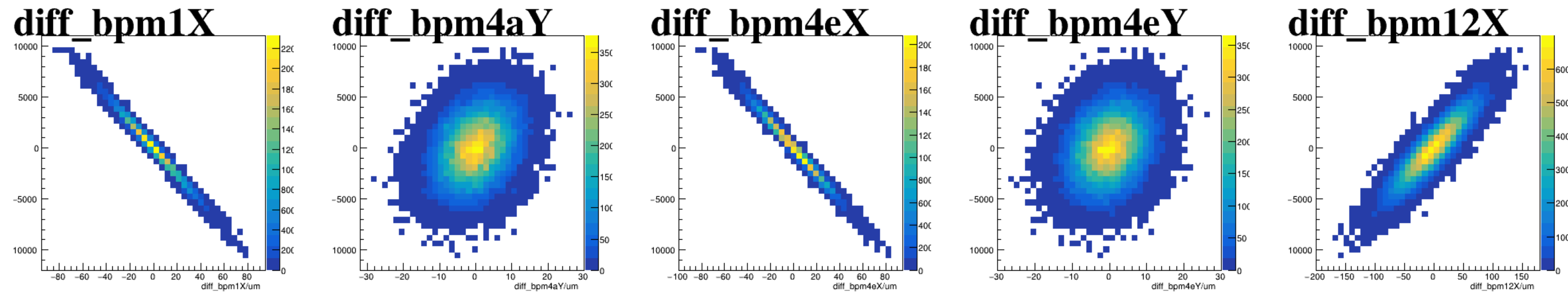
- diff_bpm1X**: Difference between BPM12 and BPM1 in the X direction.
- diff_bpm4aY**: Difference between BPM12 and BPM4a in the Y direction.
- diff_bpm4eX**: Difference between BPM12 and BPM4e in the X direction.
- diff_bpm4eY**: Difference between BPM12 and BPM4e in the Y direction.
- diff_bpm12X**: Difference between BPM12 and BPM12 in the X direction (likely a typo for BPM1).

The plots show a dense cloud of points centered around the origin, indicating good agreement between the different BPMs. The axes are labeled with values ranging from -300 to 300 for the Y-axis and -80 to 80 for the X-axis.

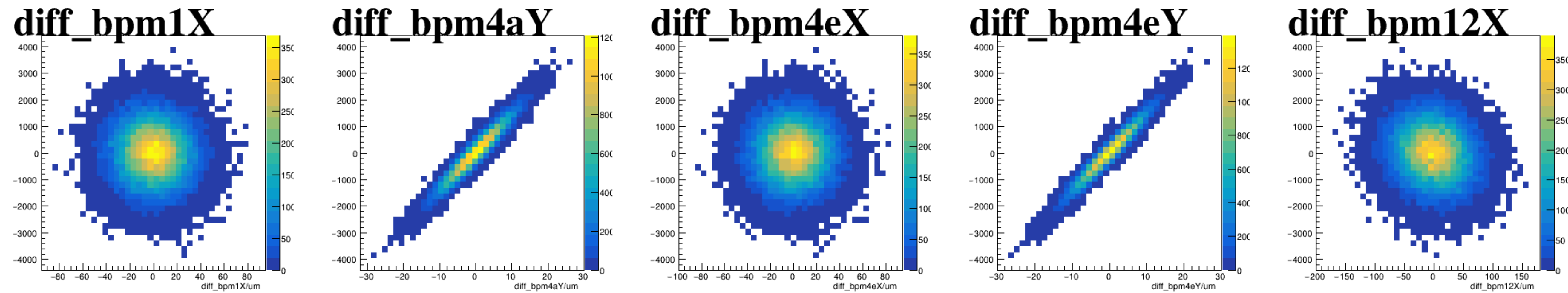
asym_sam1



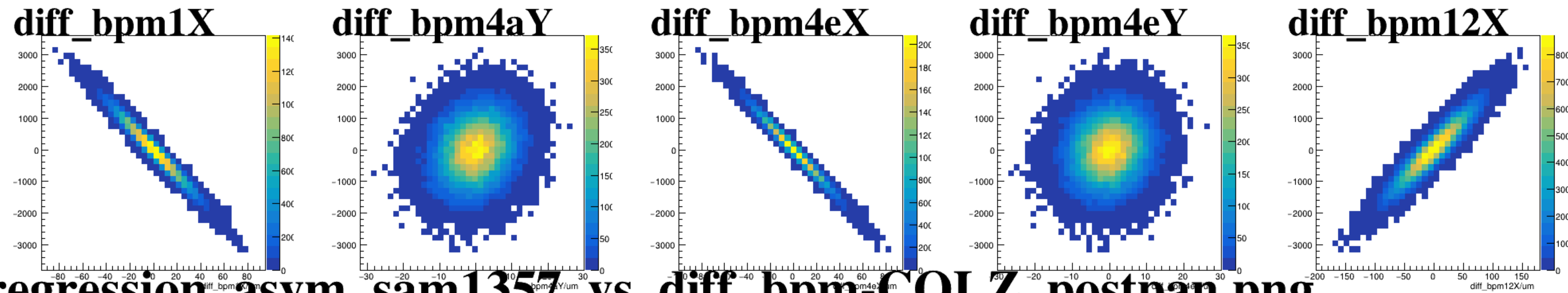
asym_sam3



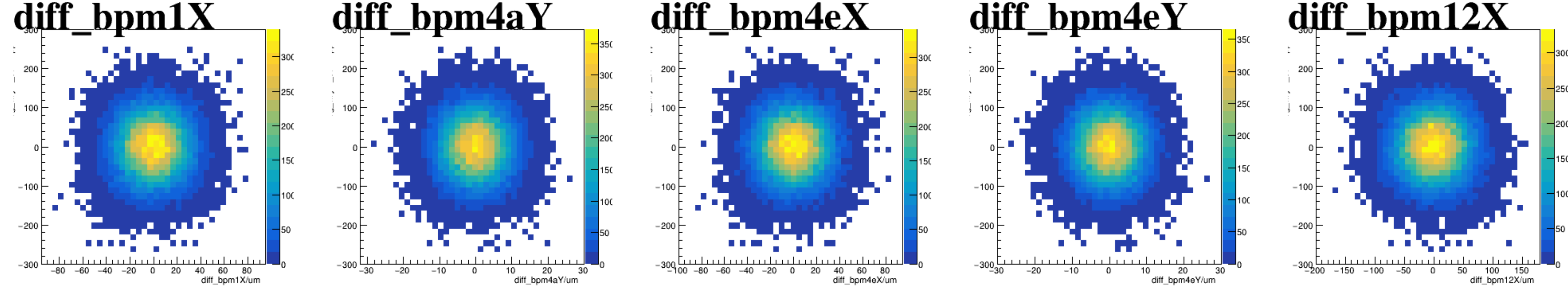
asym_sam5



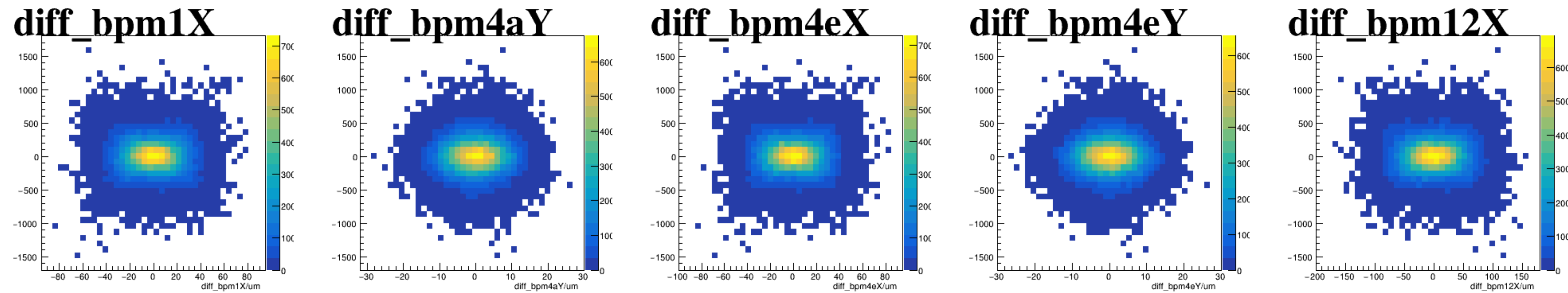
asym_sam7



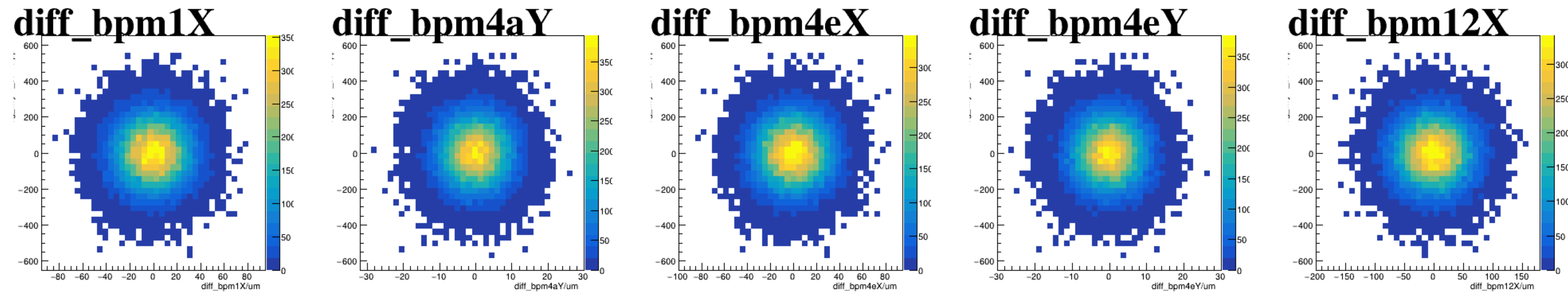
reg_asym_sam1



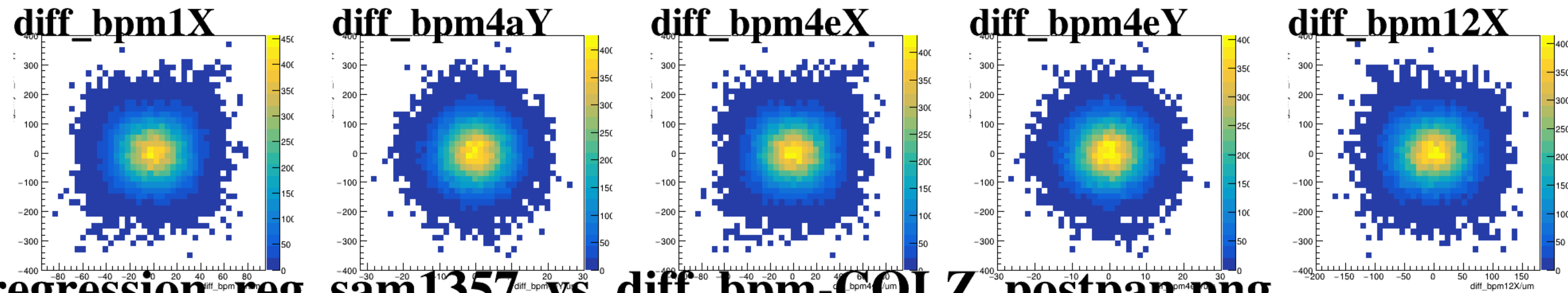
reg_asym_sam3



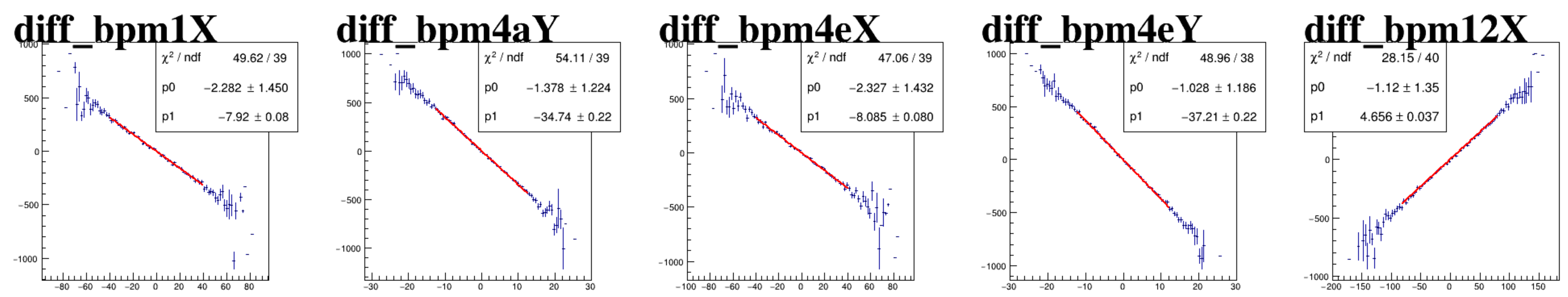
reg_asym_sam5



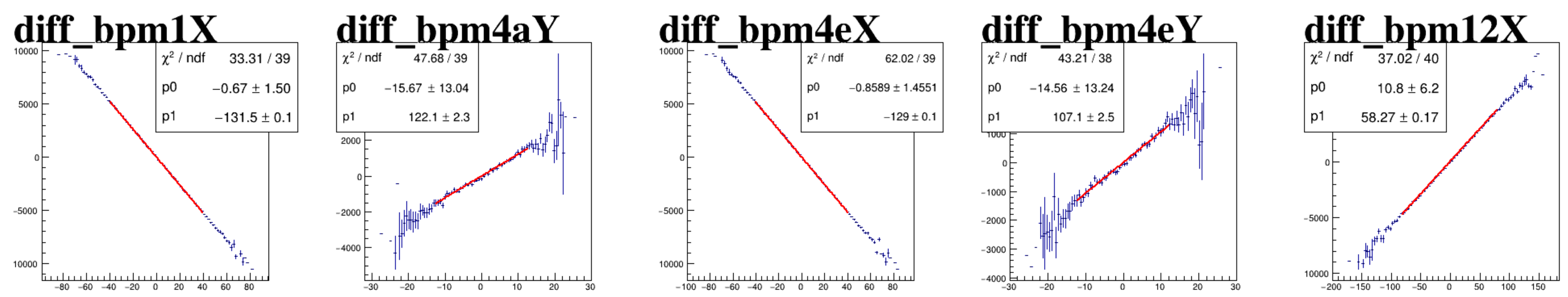
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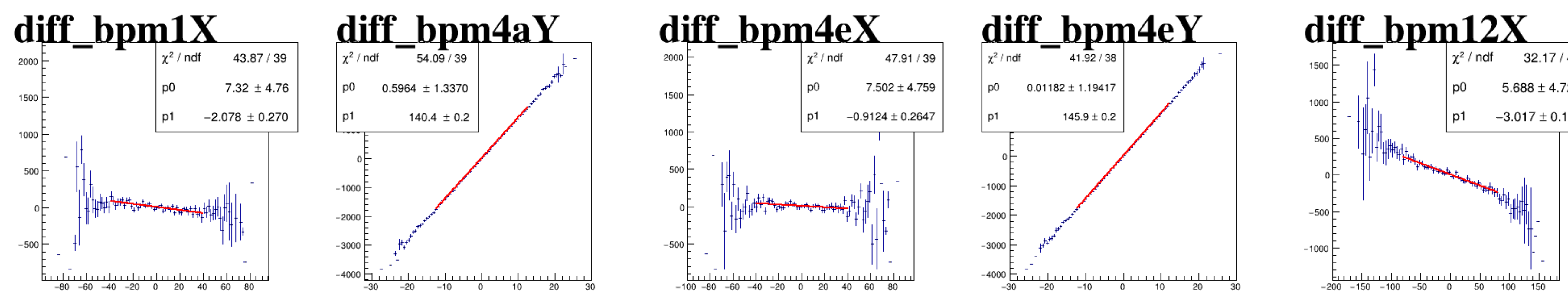
asym_sam1



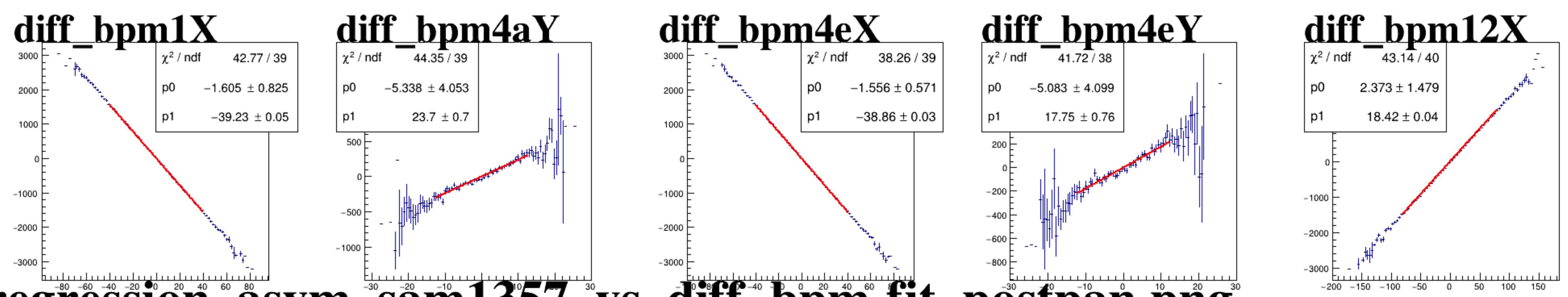
asym_sam3



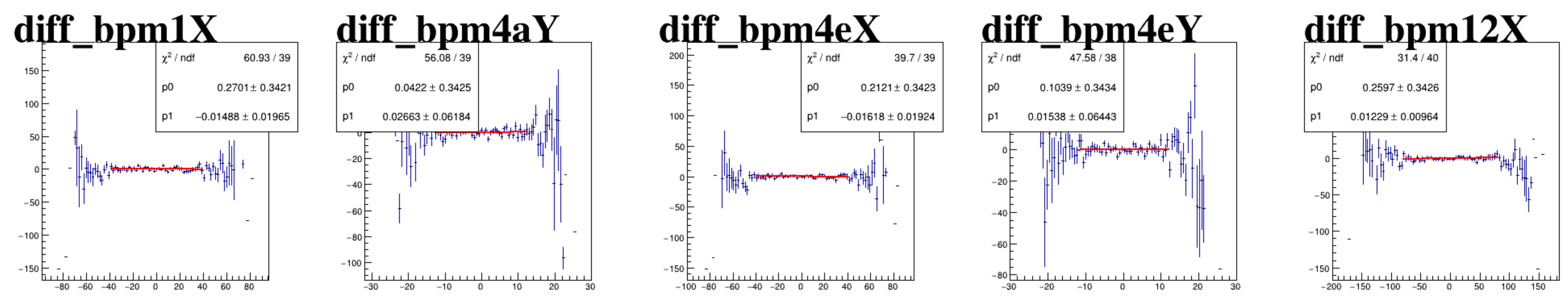
asym_sam5



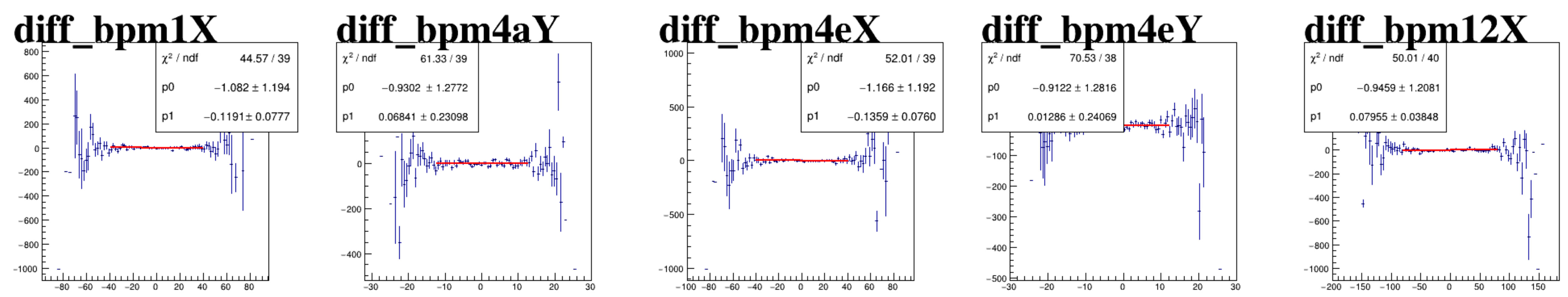
asym_sam7



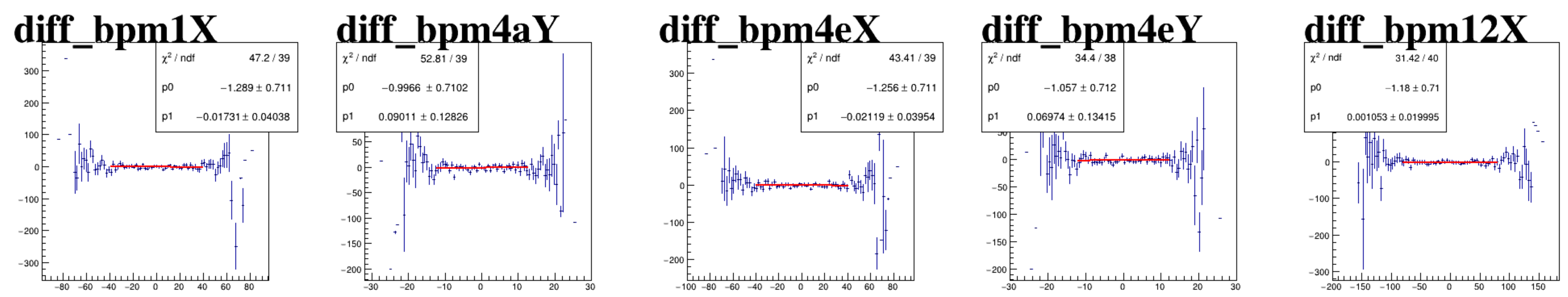
reg_asym_sam1



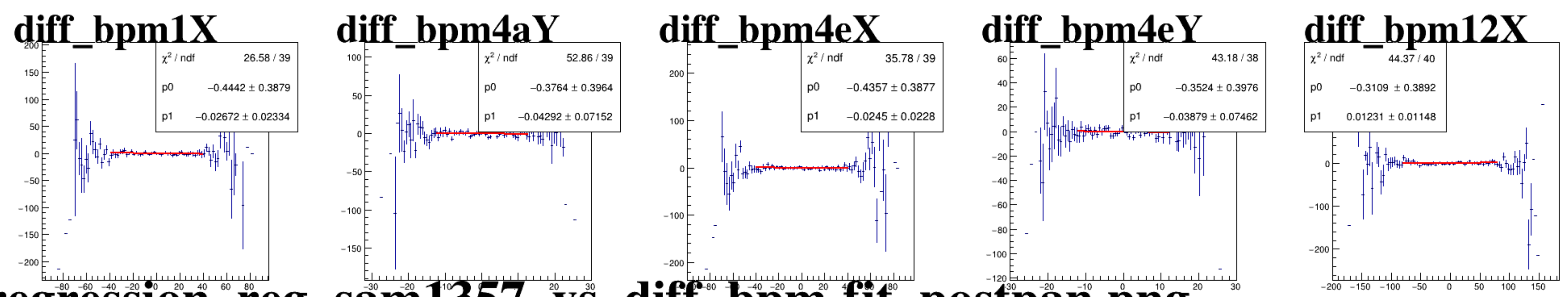
reg_asym_sam3



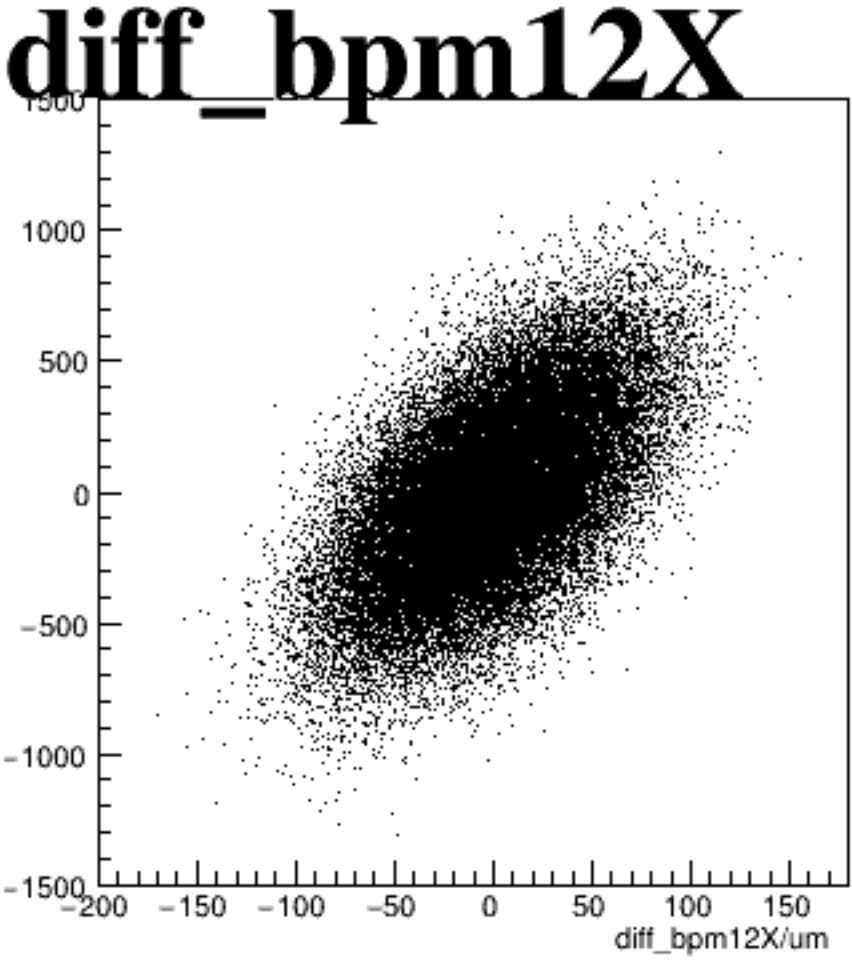
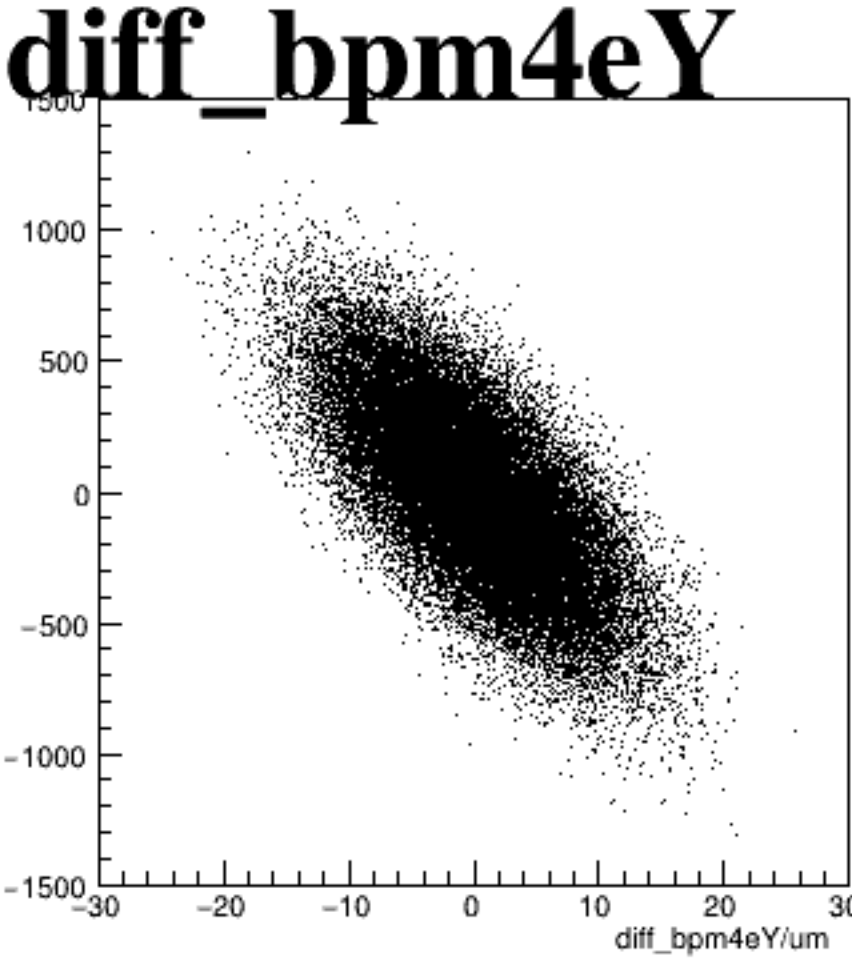
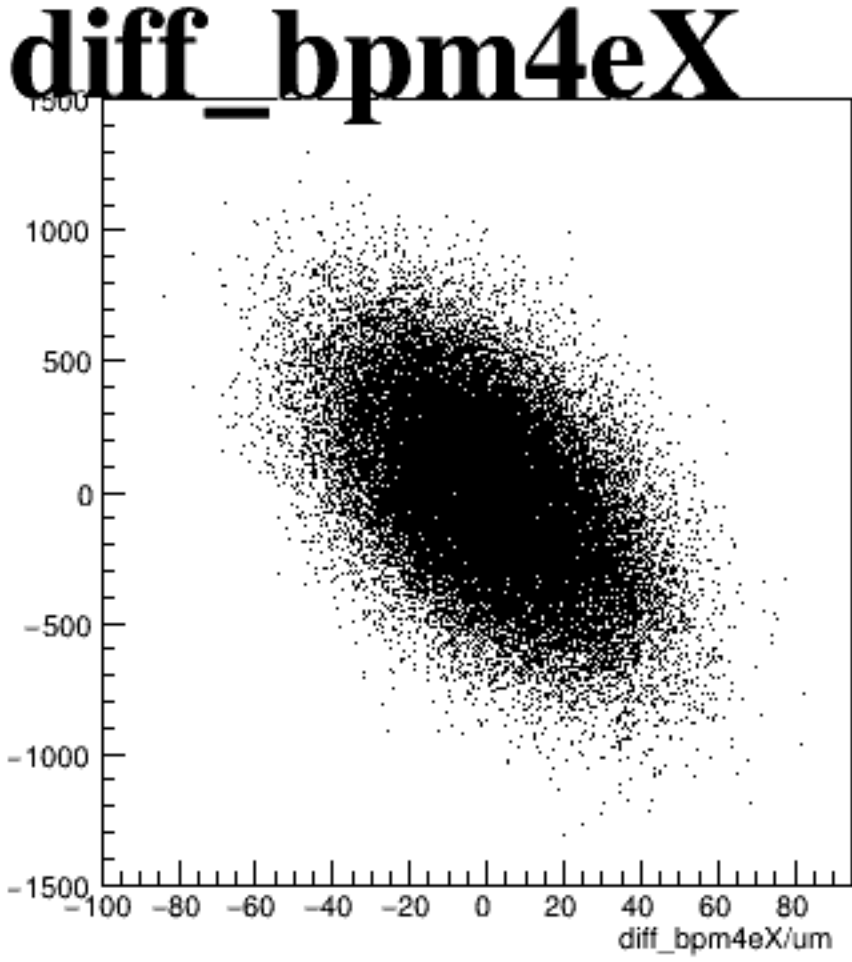
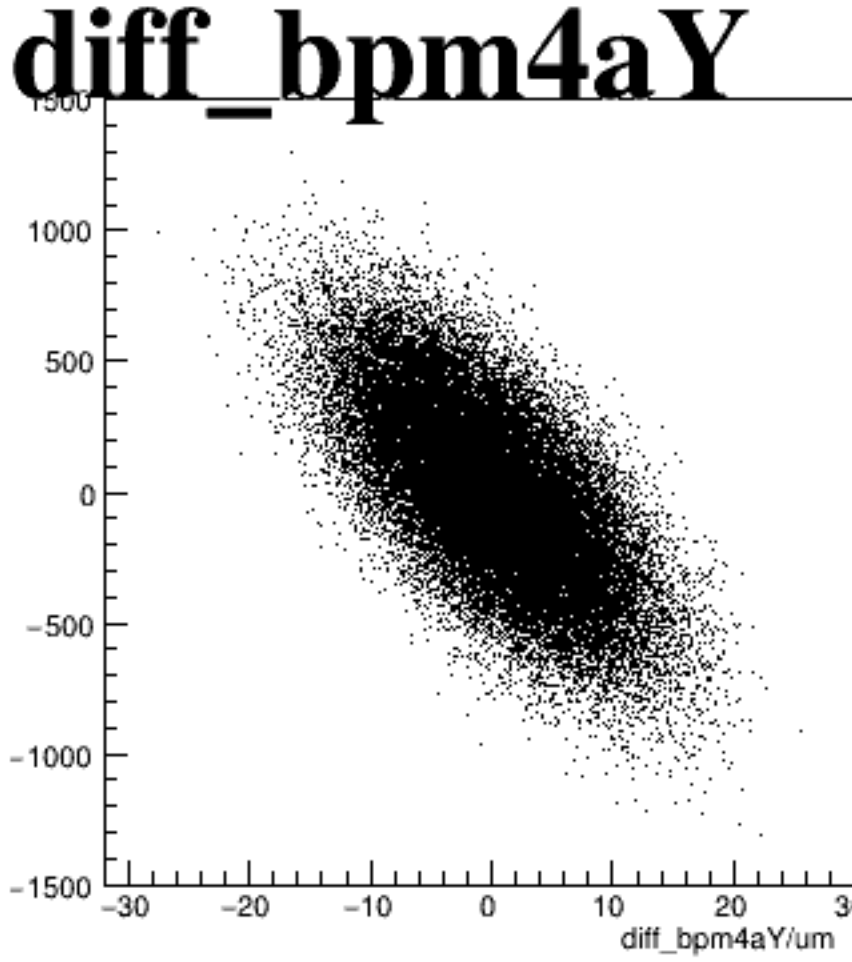
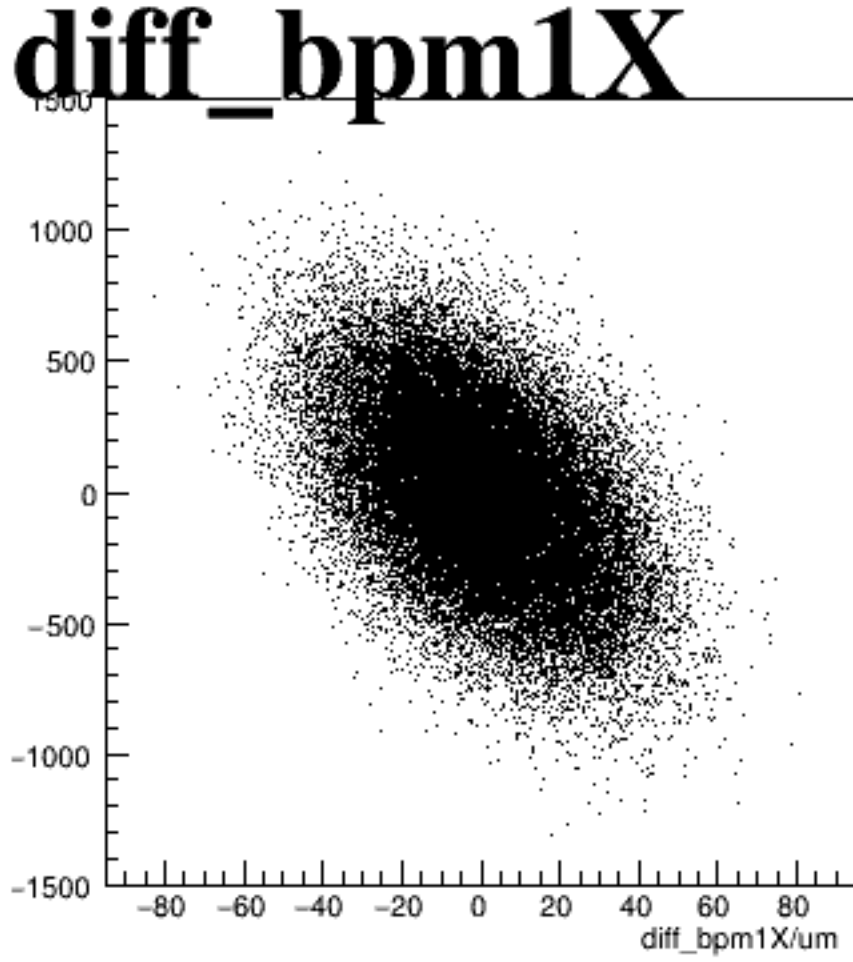
reg_asym_sam5



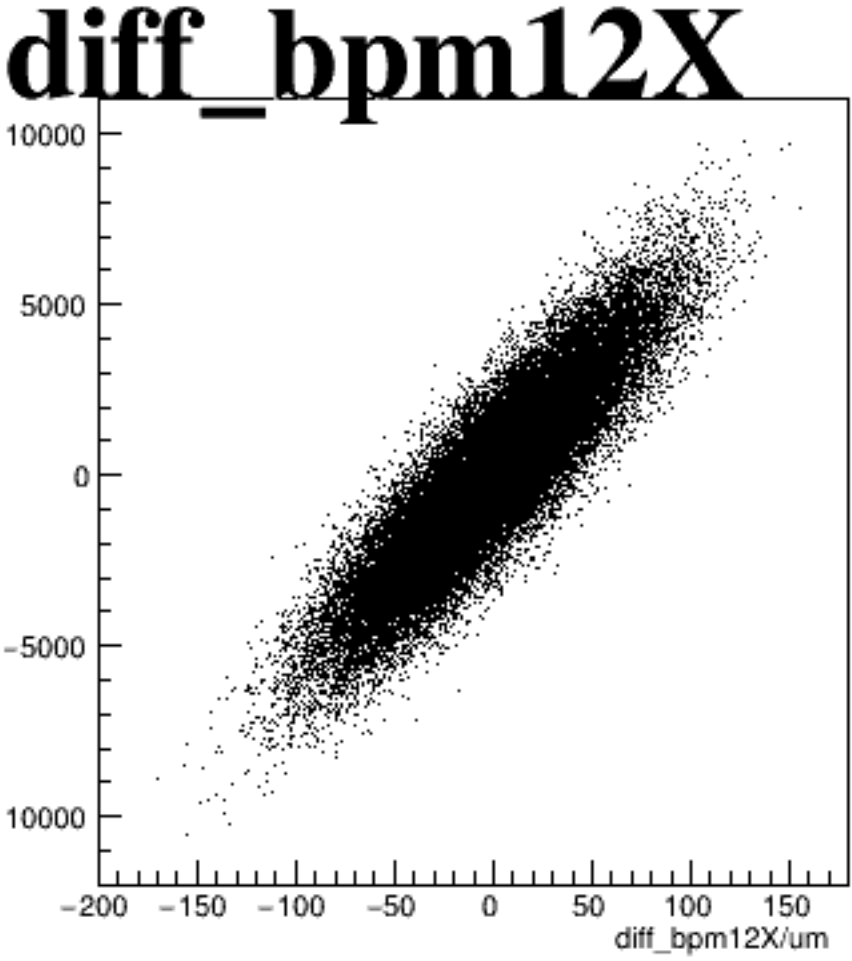
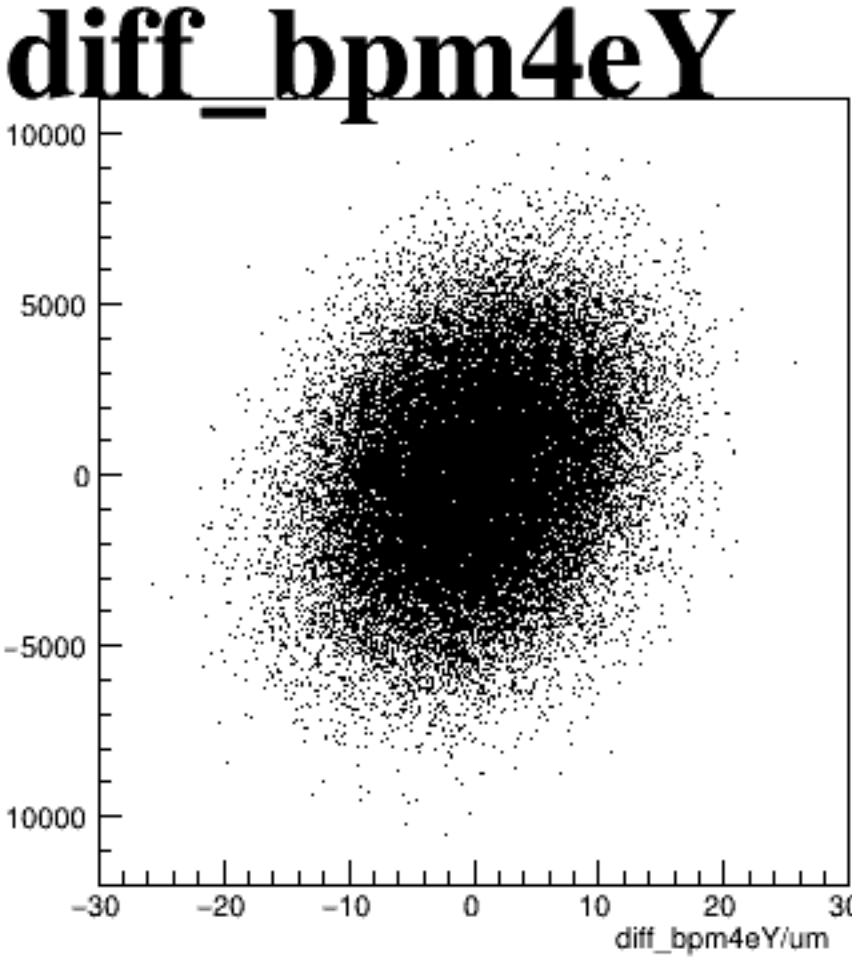
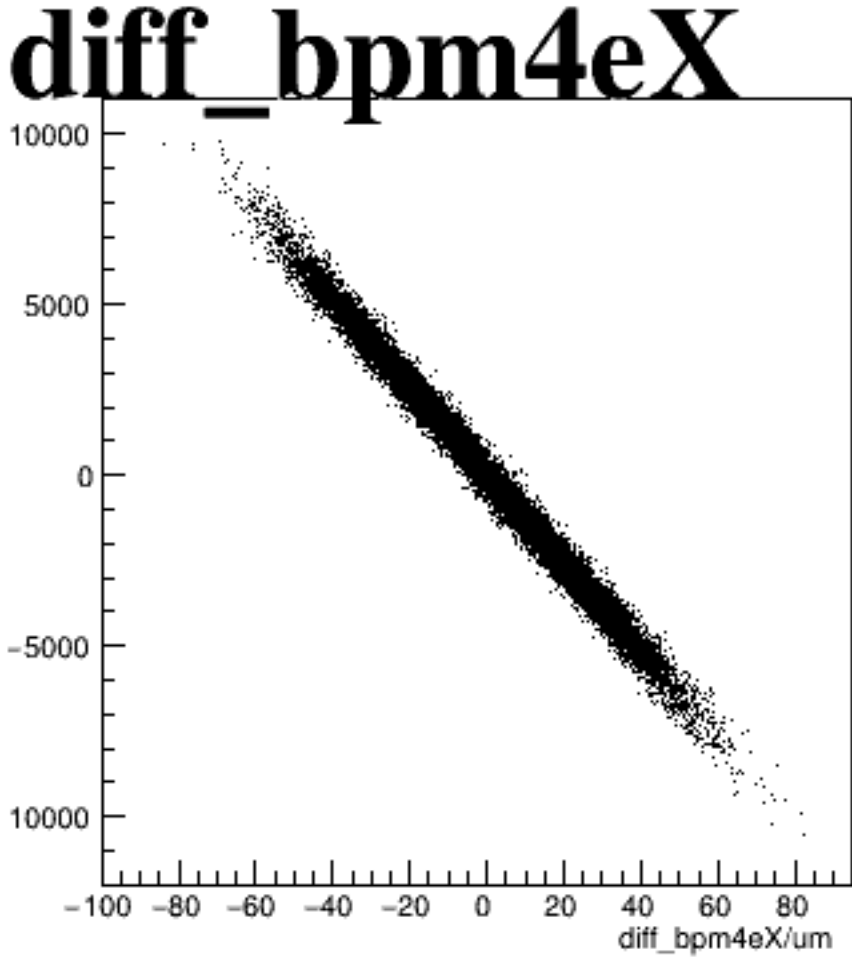
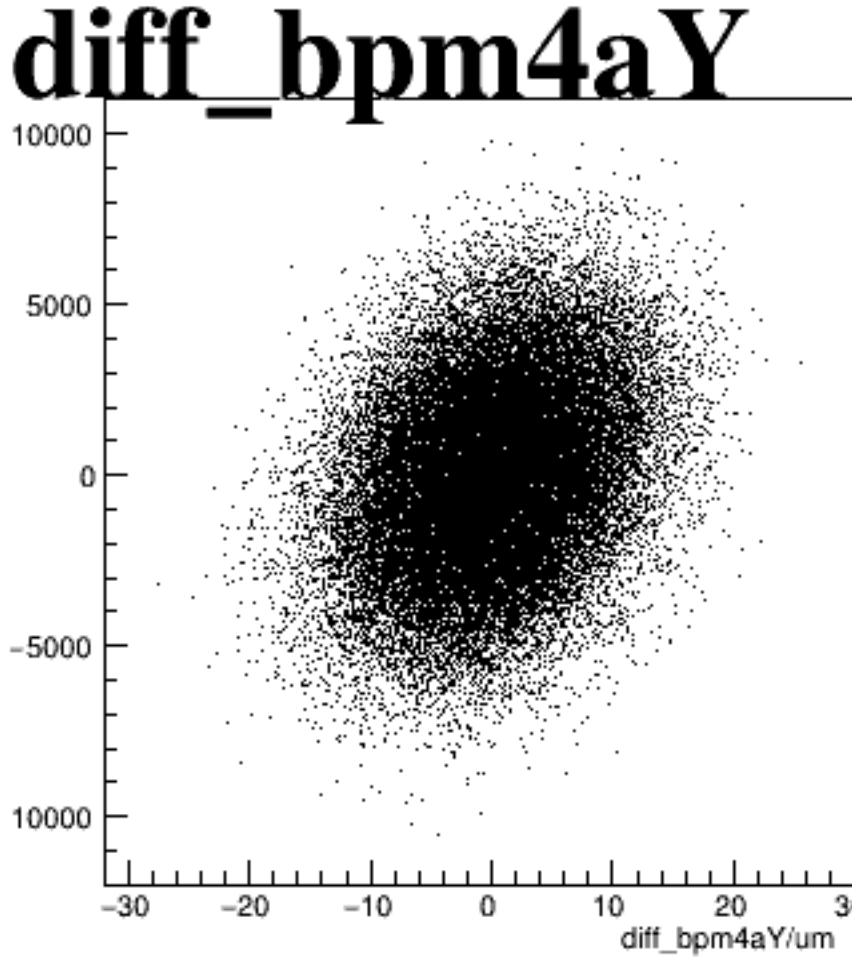
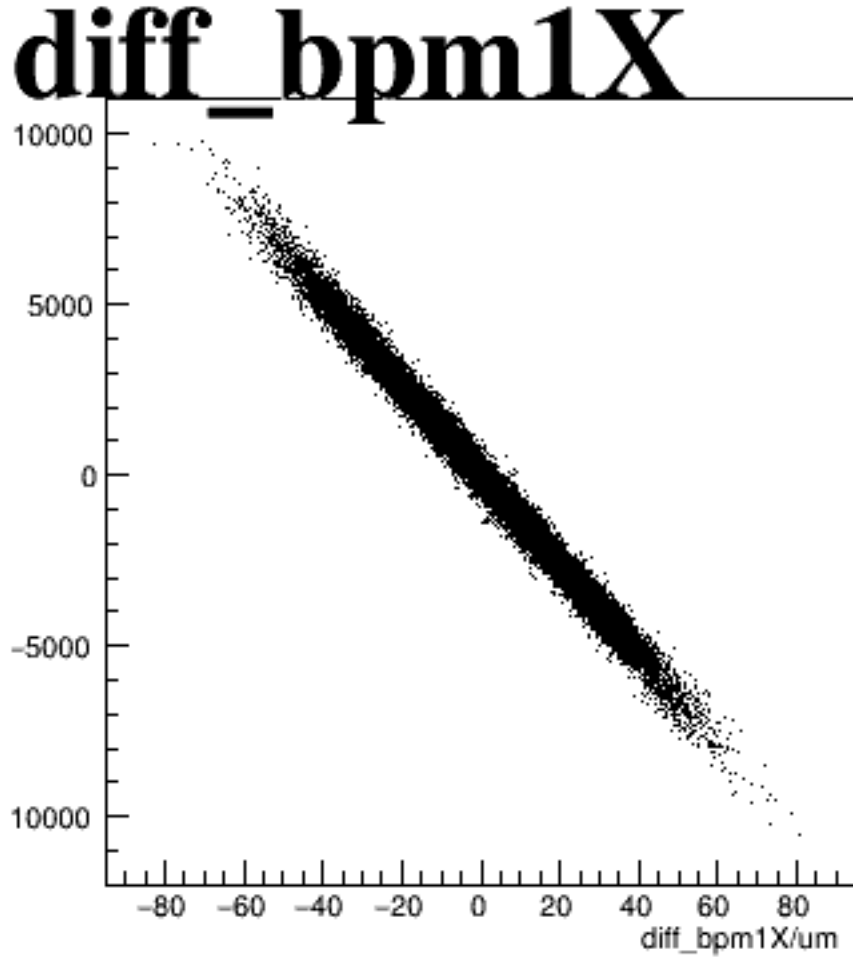
reg_asym_sam7



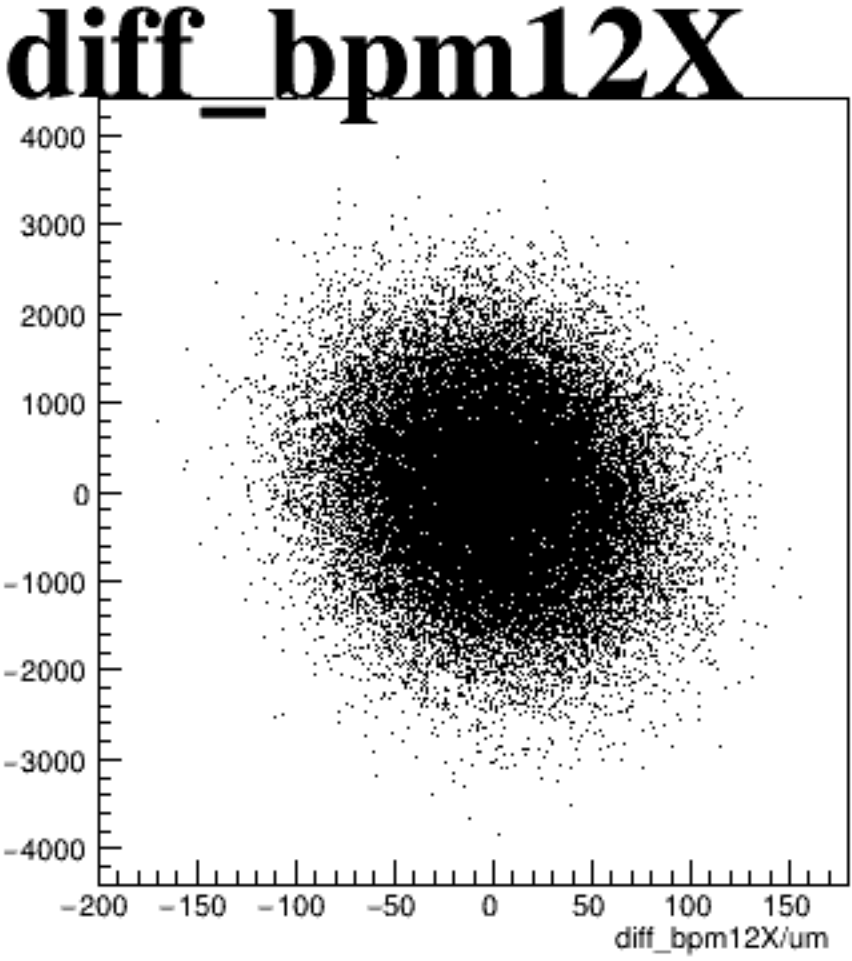
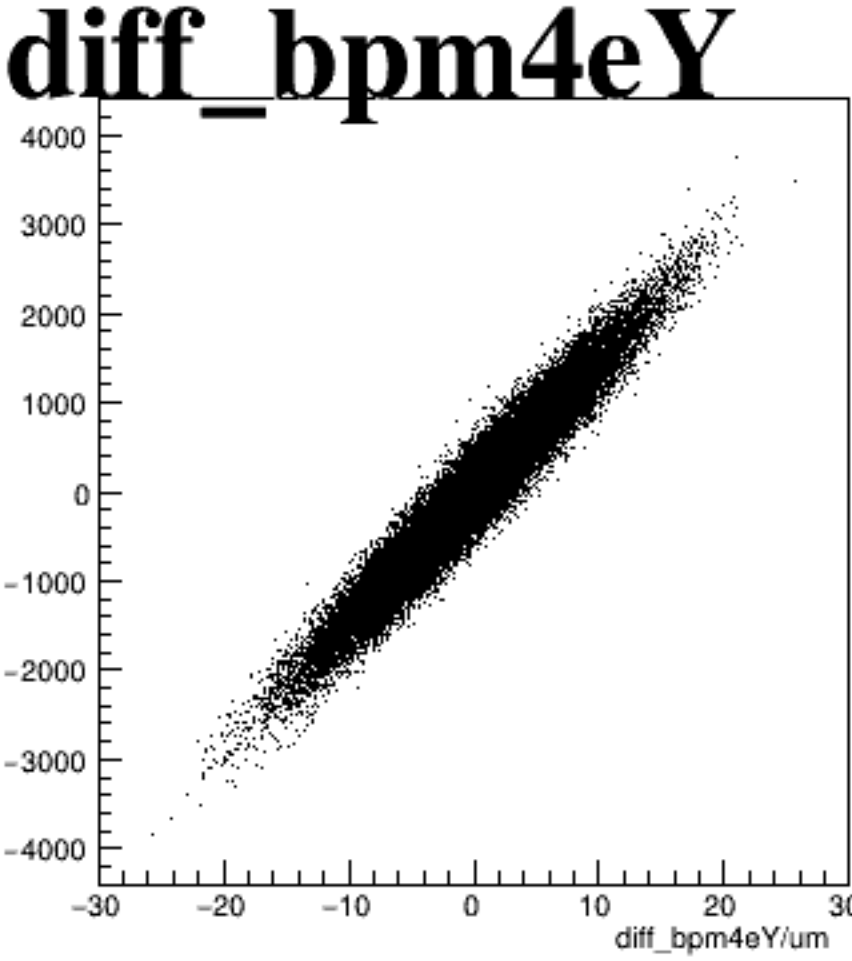
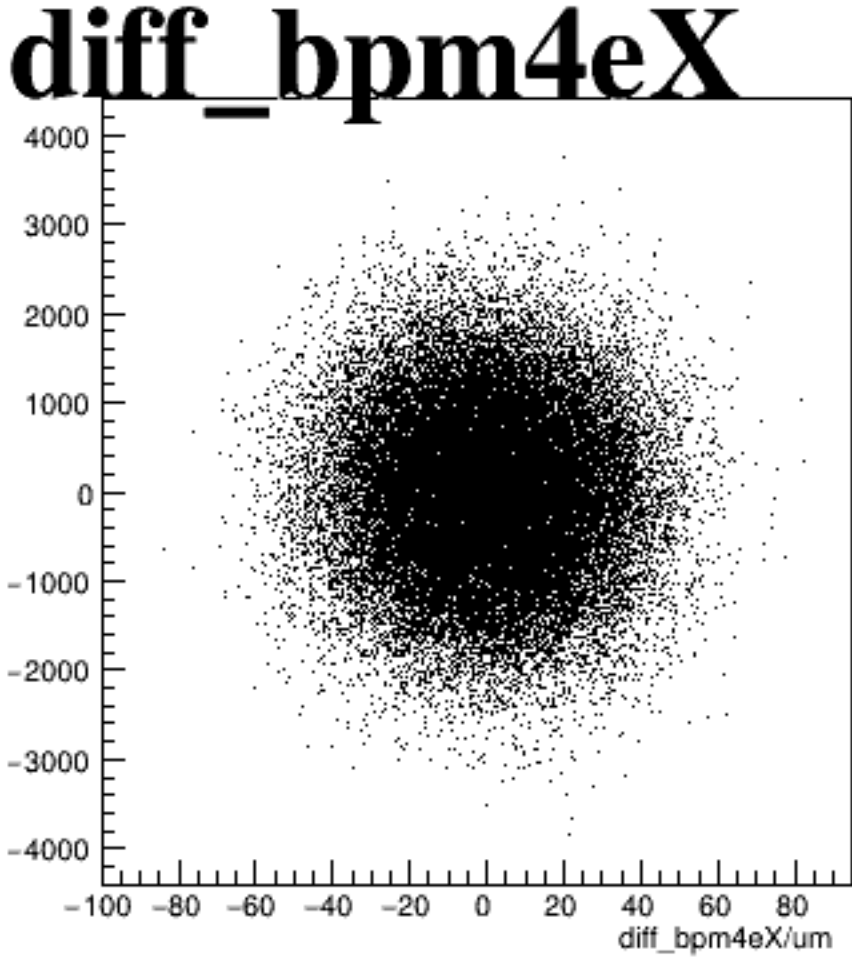
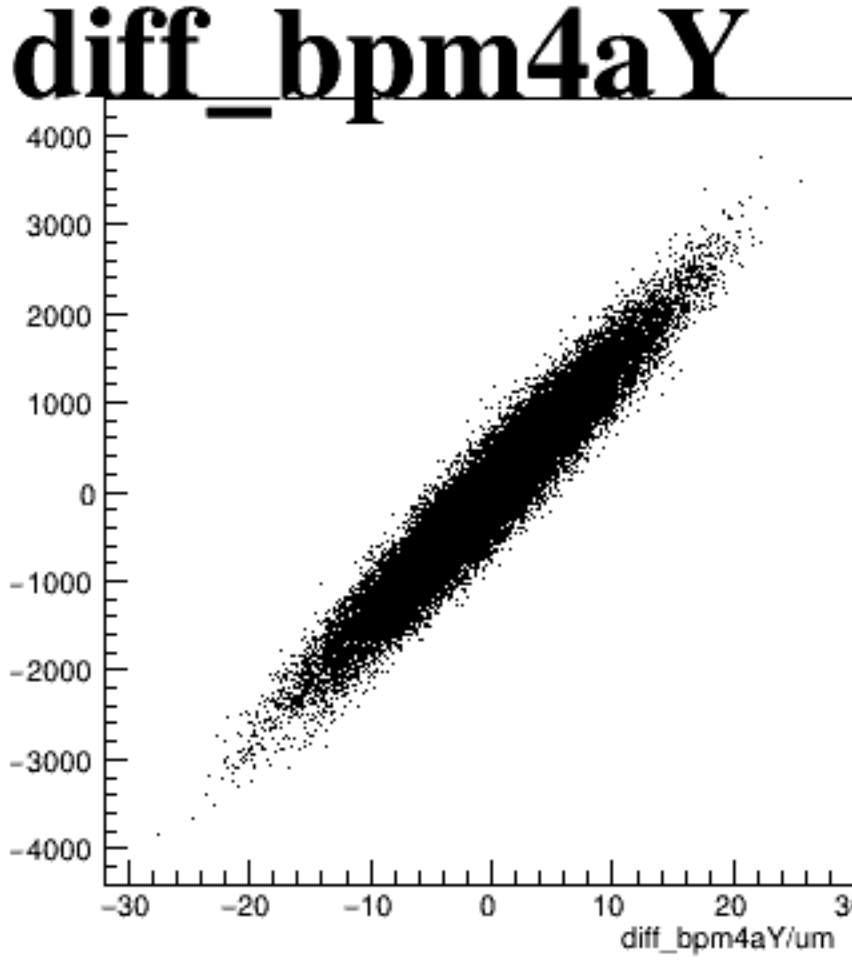
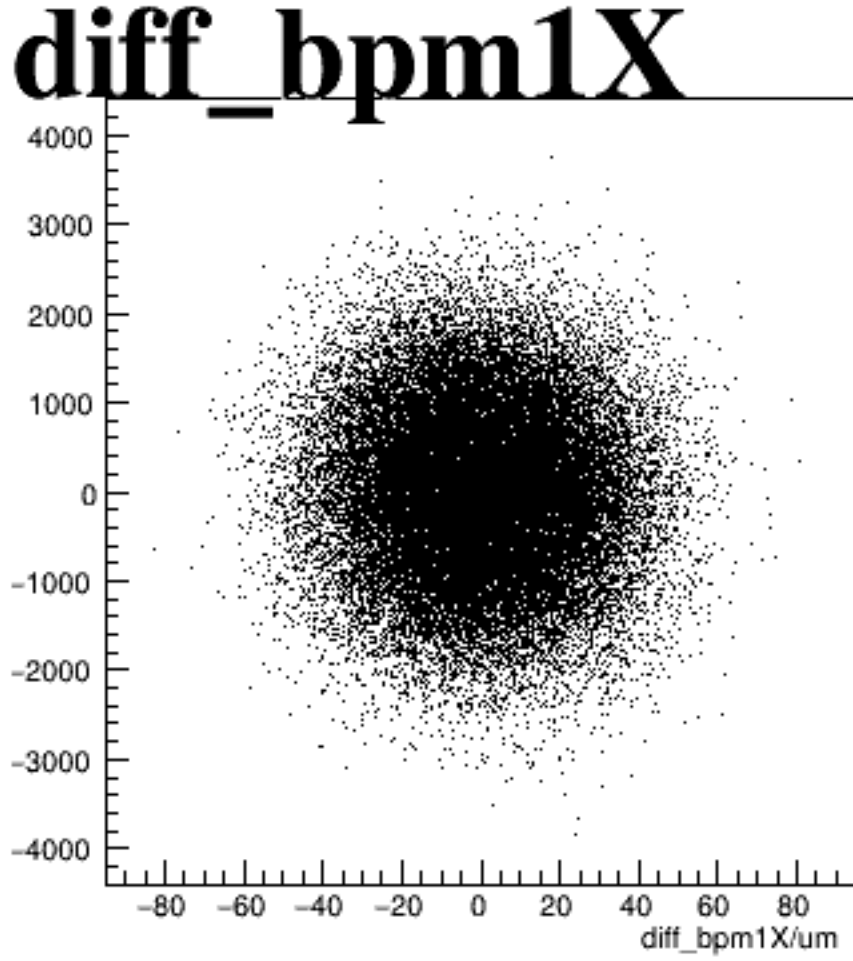
asym_sam1



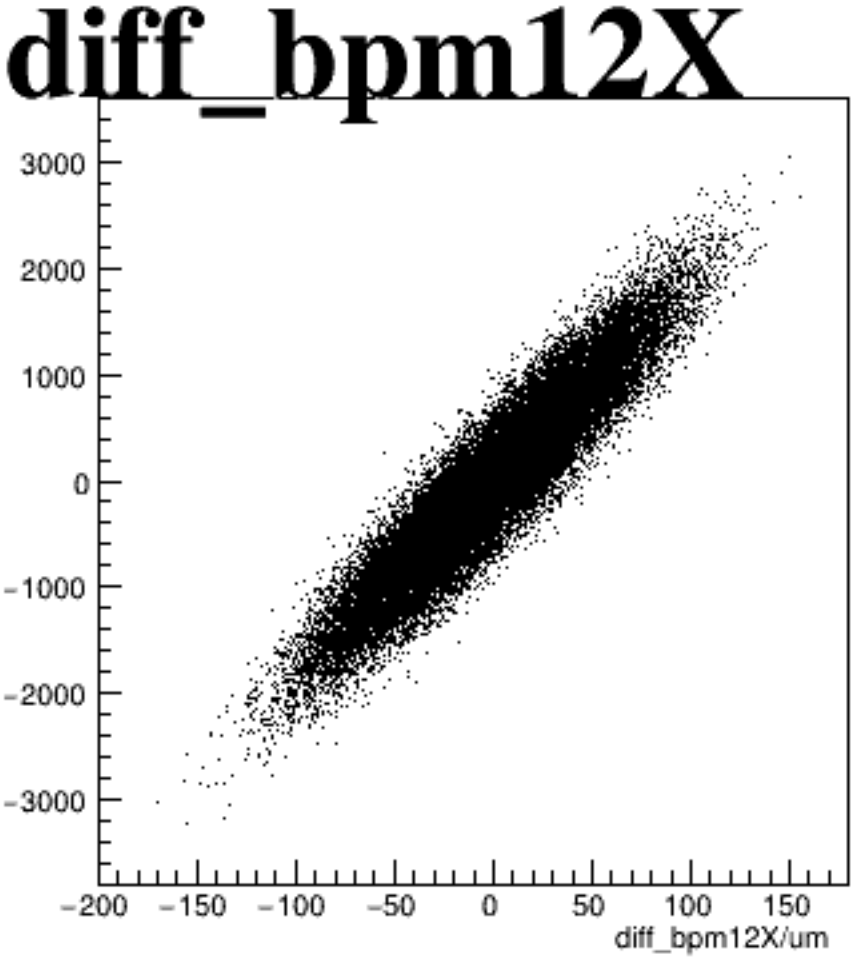
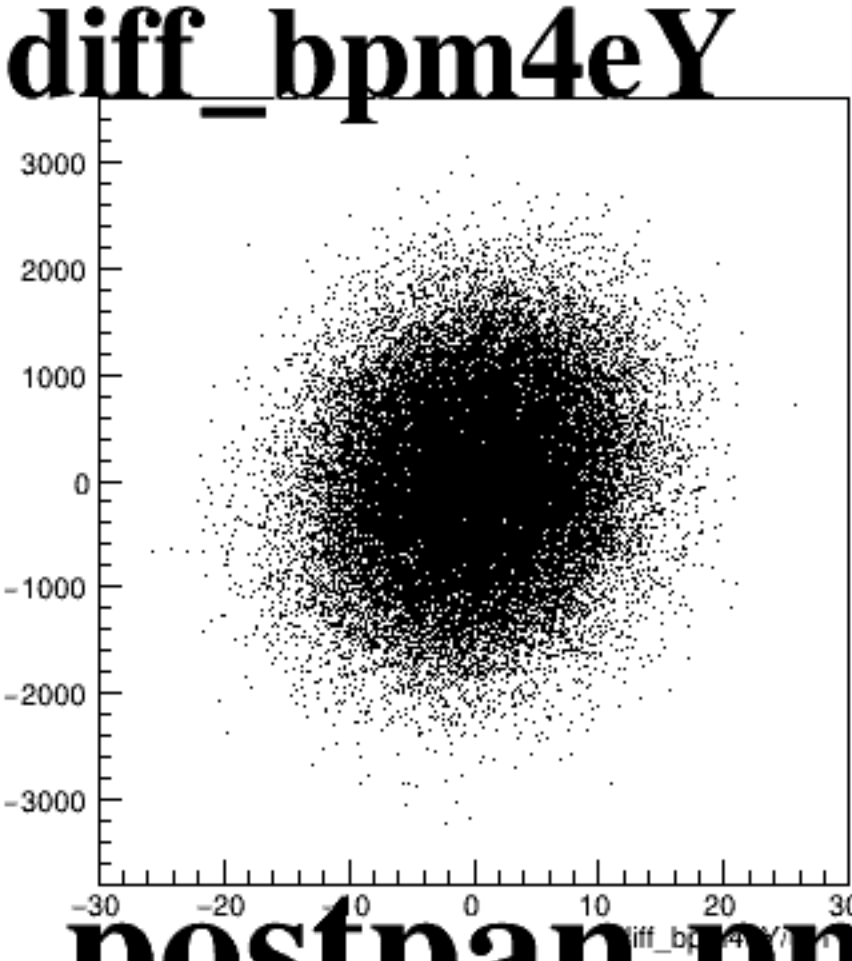
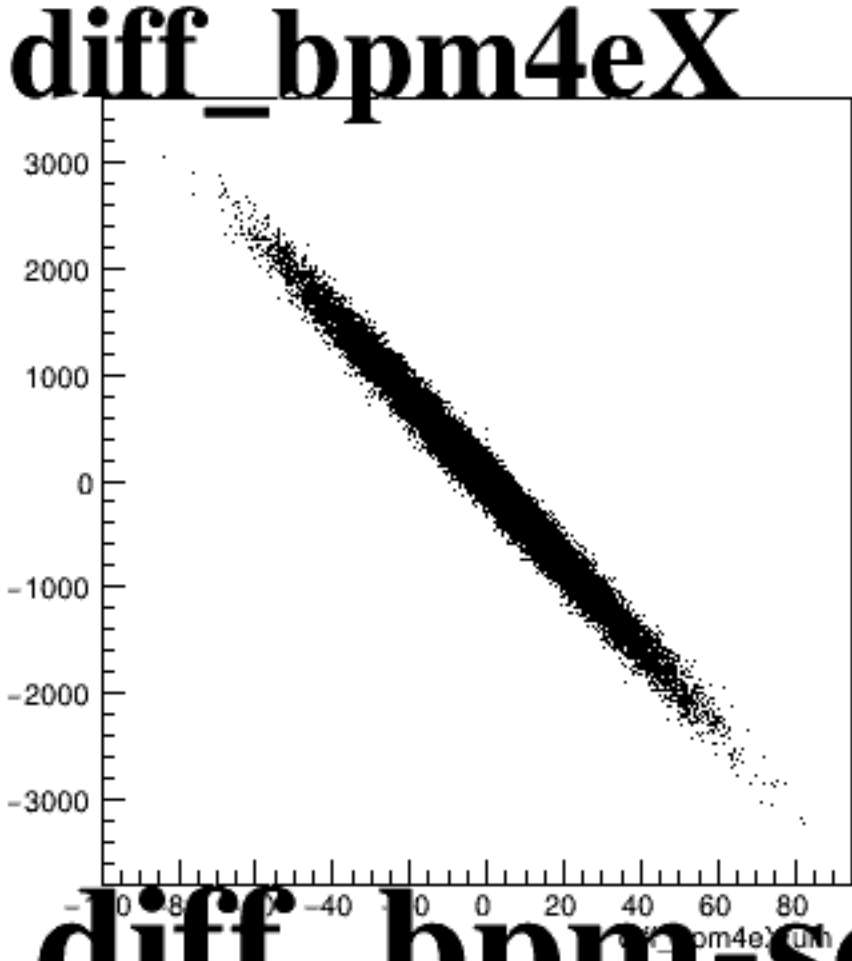
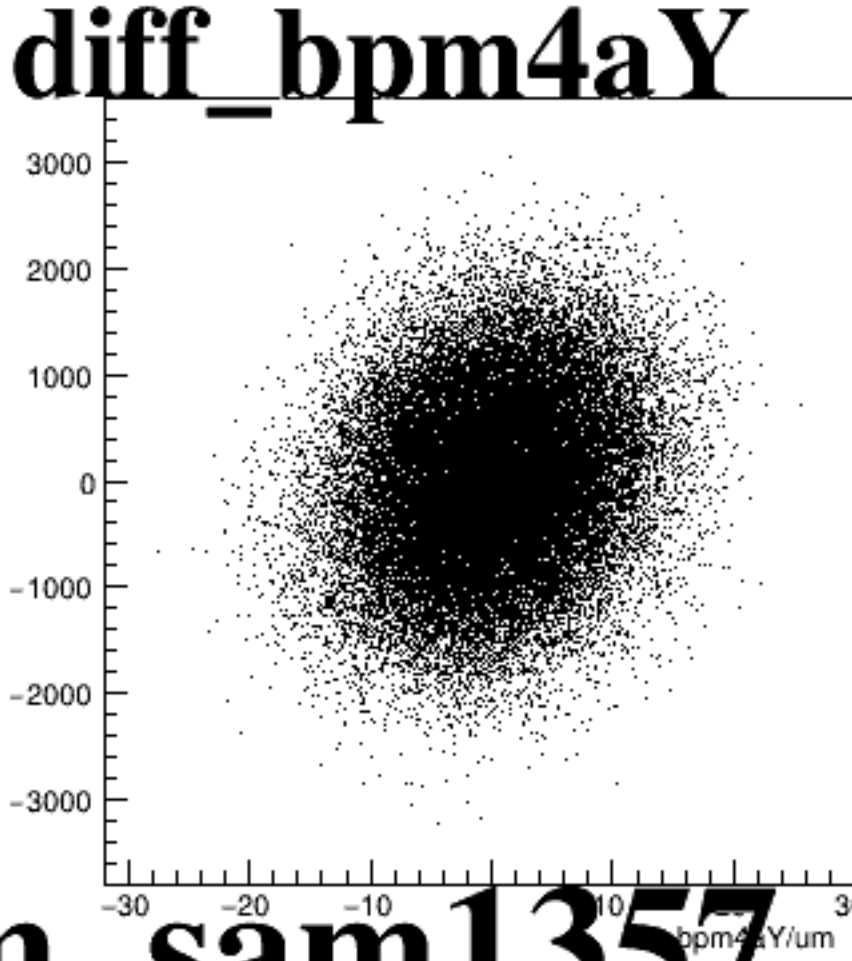
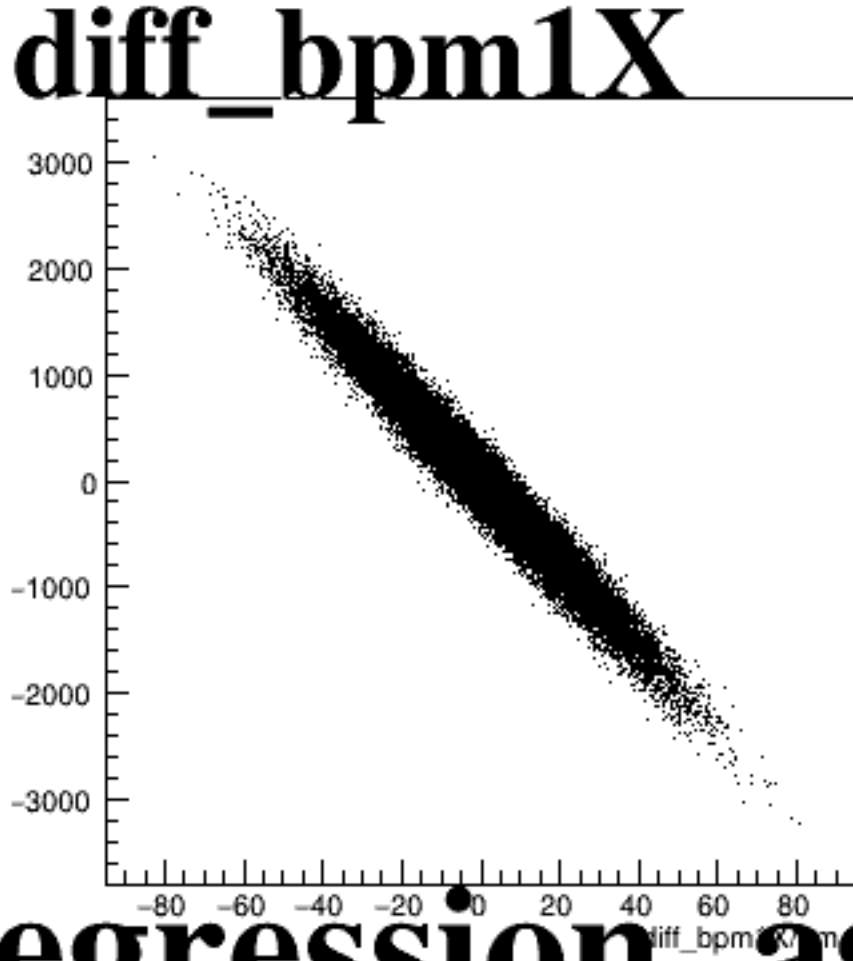
asym_sam3



asym_sam5



asym_sam7



The figure consists of five scatter plots arranged horizontally, each showing the difference in beam position measurements (diff_bpm) for different beam sizes and positions. The plots are labeled as follows:

- diff_bpm1X**: The x-axis ranges from -80 to 80, and the y-axis ranges from -300 to 300. The data points are centered around the origin (0,0).
- diff_bpm4aY**: The x-axis ranges from -30 to 30, and the y-axis ranges from -300 to 300. The data points are centered around the origin (0,0).
- diff_bpm4eX**: The x-axis ranges from -100 to 80, and the y-axis ranges from -300 to 300. The data points are centered around the origin (0,0).
- diff_bpm4eY**: The x-axis ranges from -30 to 30, and the y-axis ranges from -300 to 300. The data points are centered around the origin (0,0).
- diff_bpm12X**: The x-axis ranges from -200 to 150, and the y-axis ranges from -300 to 300. The data points are centered around the origin (0,0).

In all plots, the data points form a dense, roughly circular cloud centered at the origin, indicating that the two measurement methods (bpm1 and bpm4) are in good agreement for the given beam sizes and positions.

The figure consists of five scatter plots arranged horizontally, each showing the distribution of differences between BPM1X and another BPM. The y-axis for all plots ranges from -1500 to 1500. The x-axis for each plot represents the difference in micrometers (um).

- diff_bpm1X**: The x-axis ranges from -80 to 80 um. The distribution is centered around 0 um.
- diff_bpm4aY**: The x-axis ranges from -30 to 30 um. The distribution is centered around 0 um.
- diff_bpm4eX**: The x-axis ranges from -100 to 80 um. The distribution is centered around 0 um.
- diff_bpm4eY**: The x-axis ranges from -30 to 30 um. The distribution is centered around 0 um.
- diff_bpm12X**: The x-axis ranges from -200 to 150 um. The distribution is centered around 0 um.