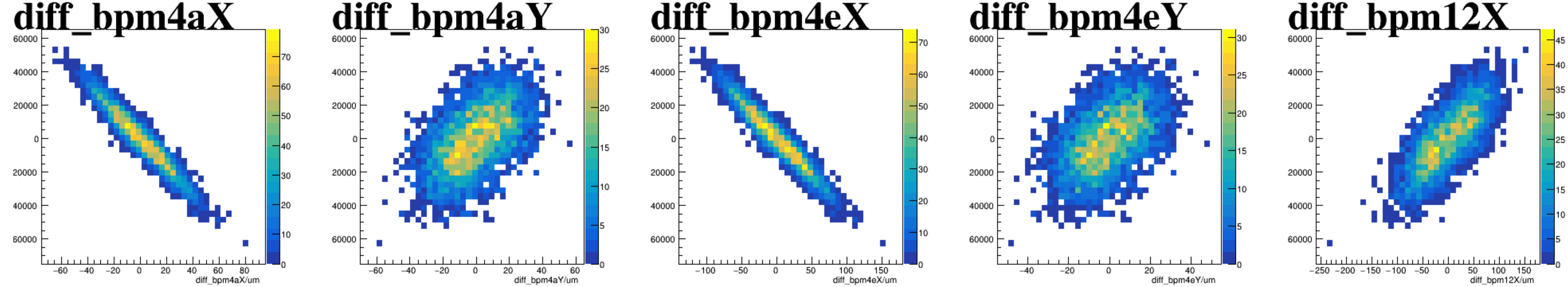
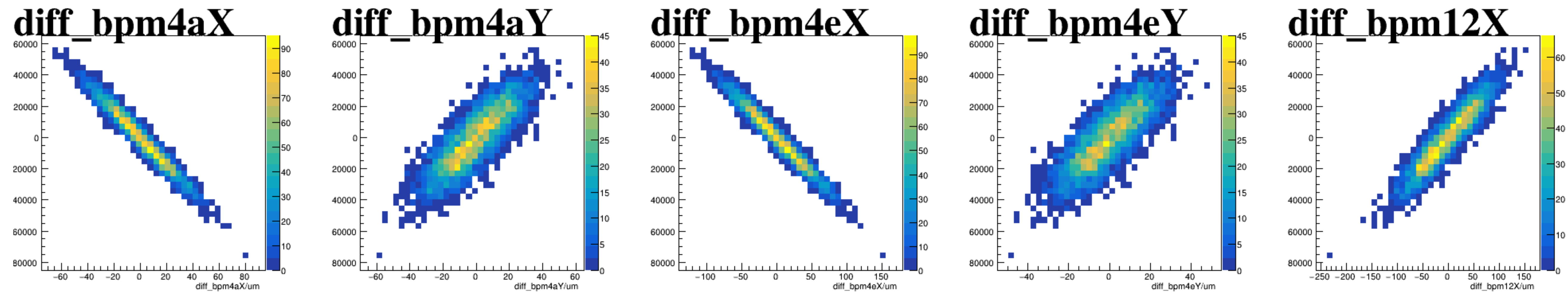


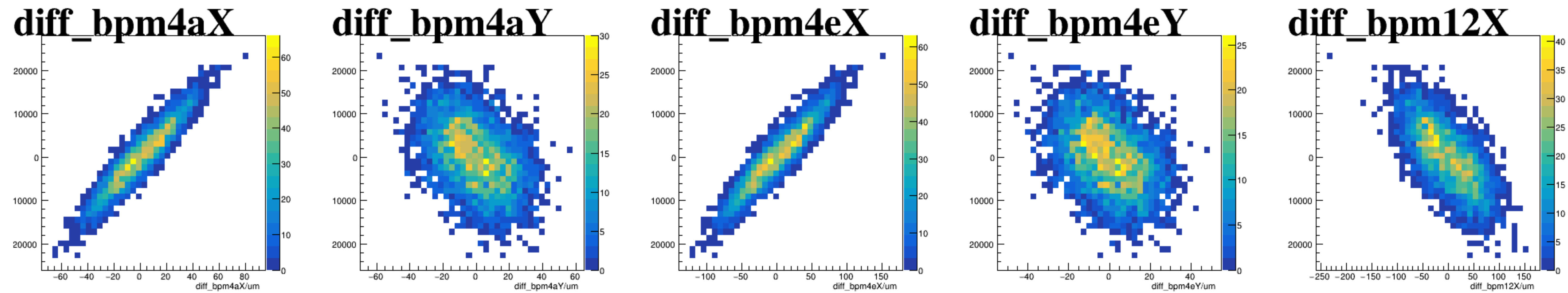
asym_sam2



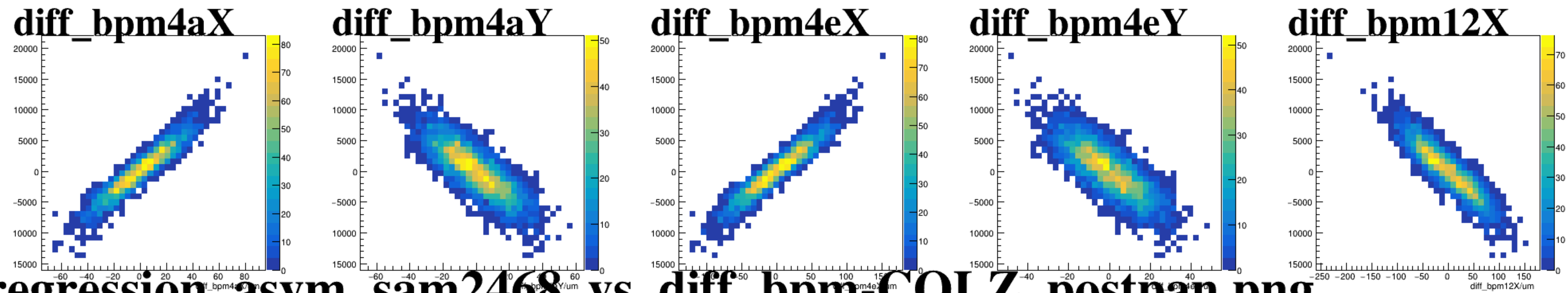
asym_sam4



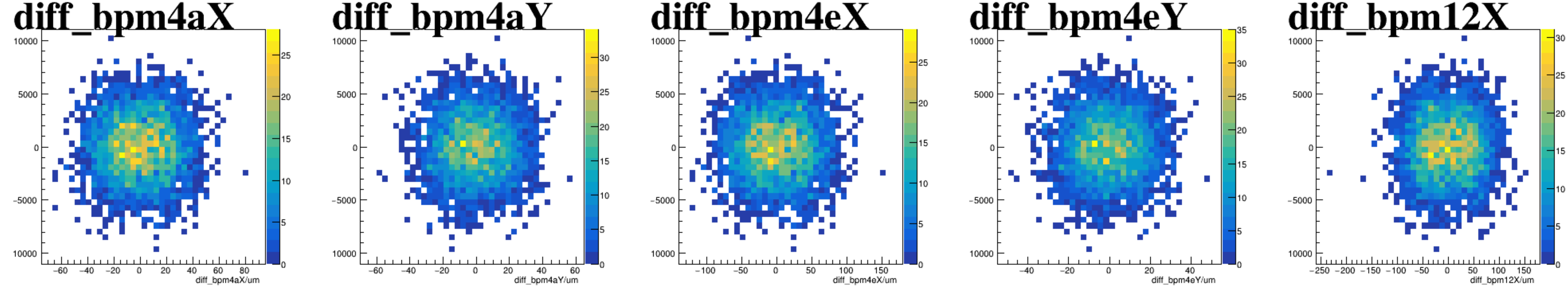
asym_sam6



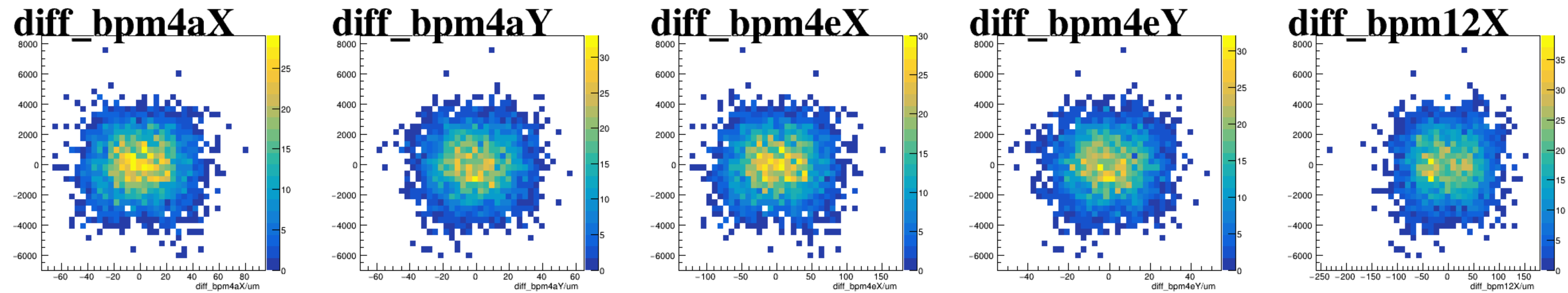
asym_sam8



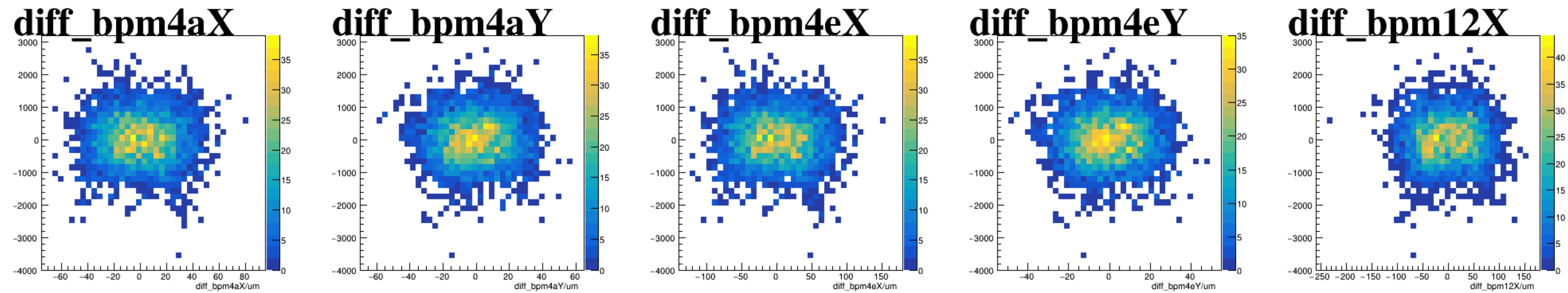
reg_asym_sam2



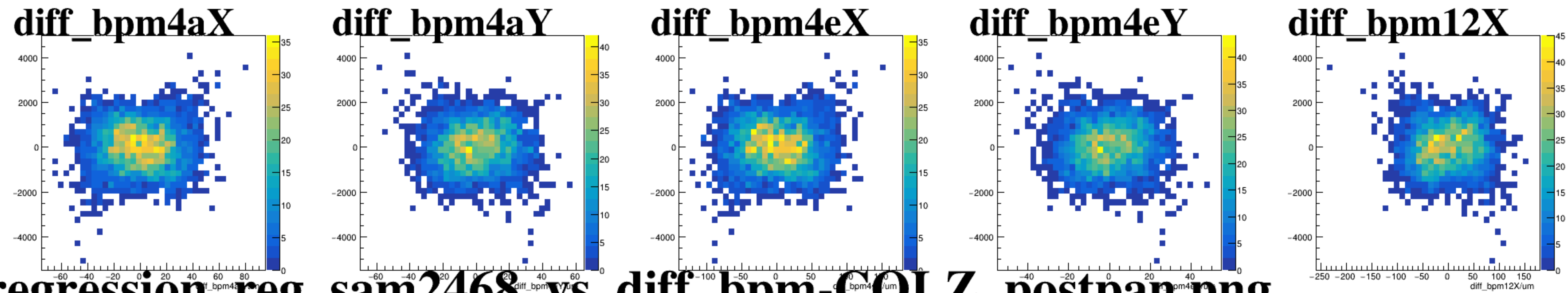
reg_asym_sam4



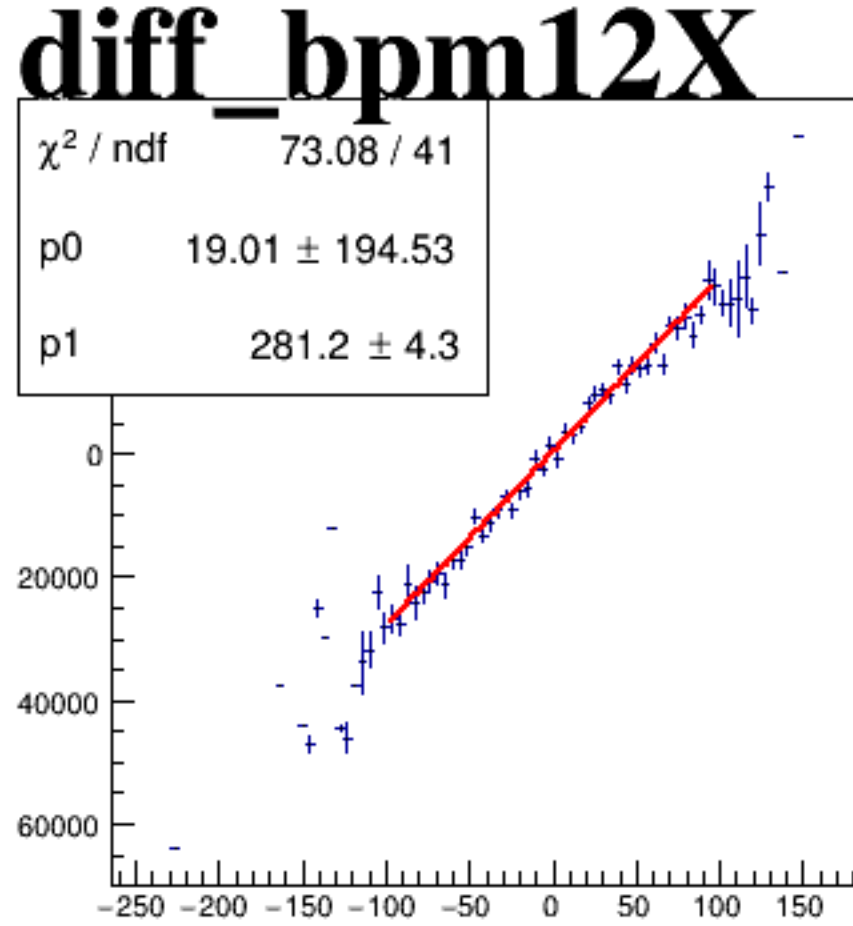
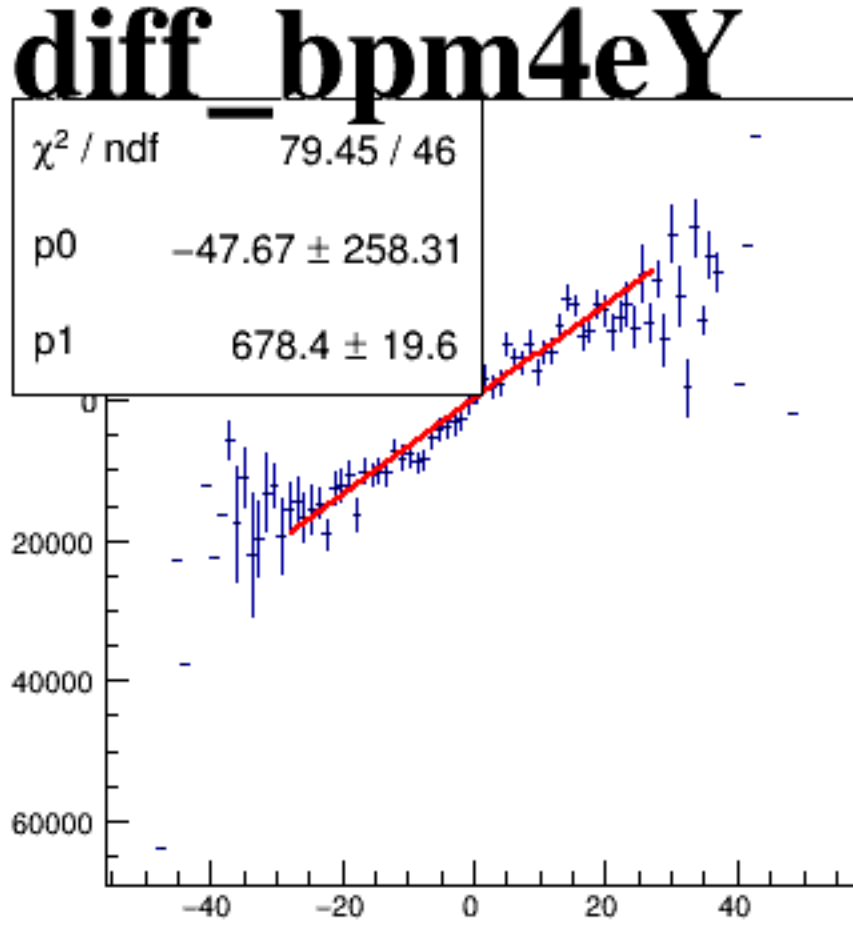
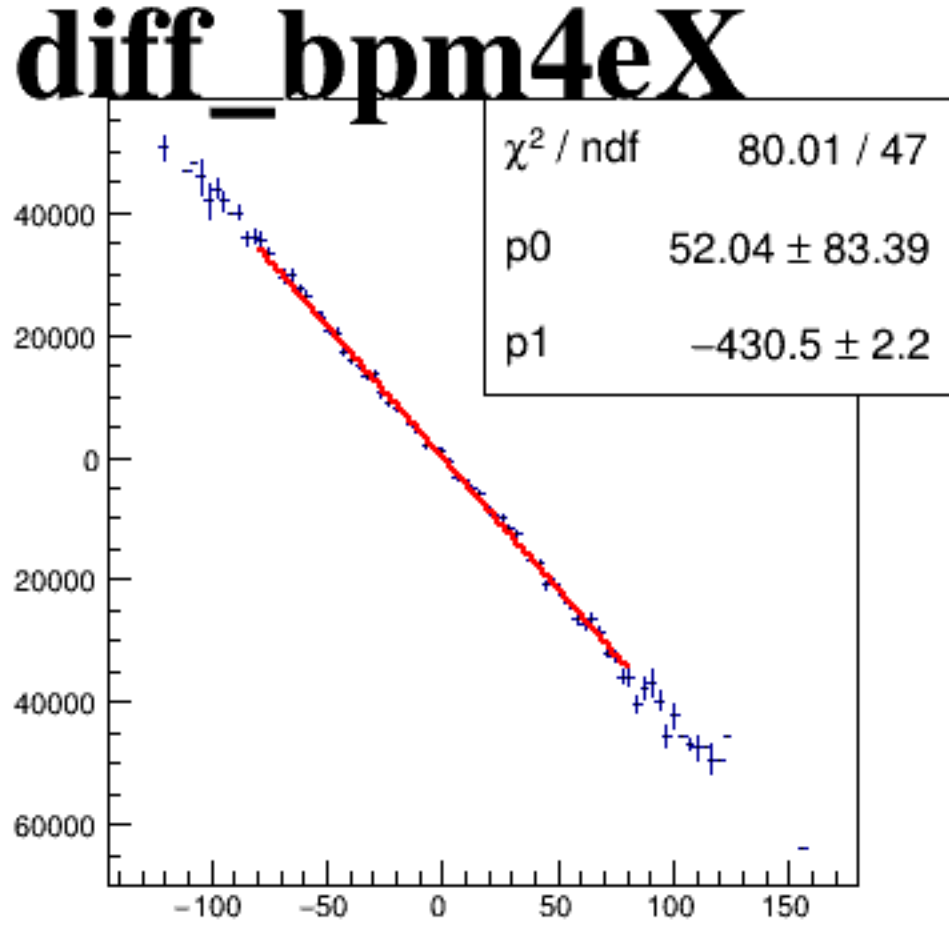
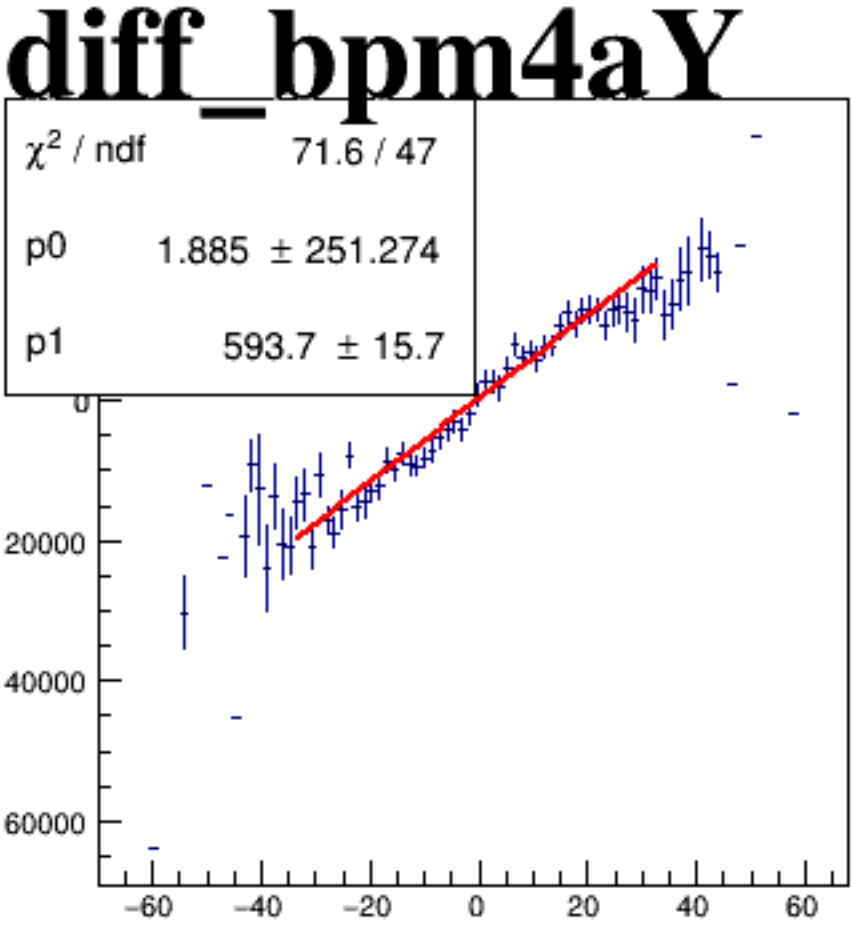
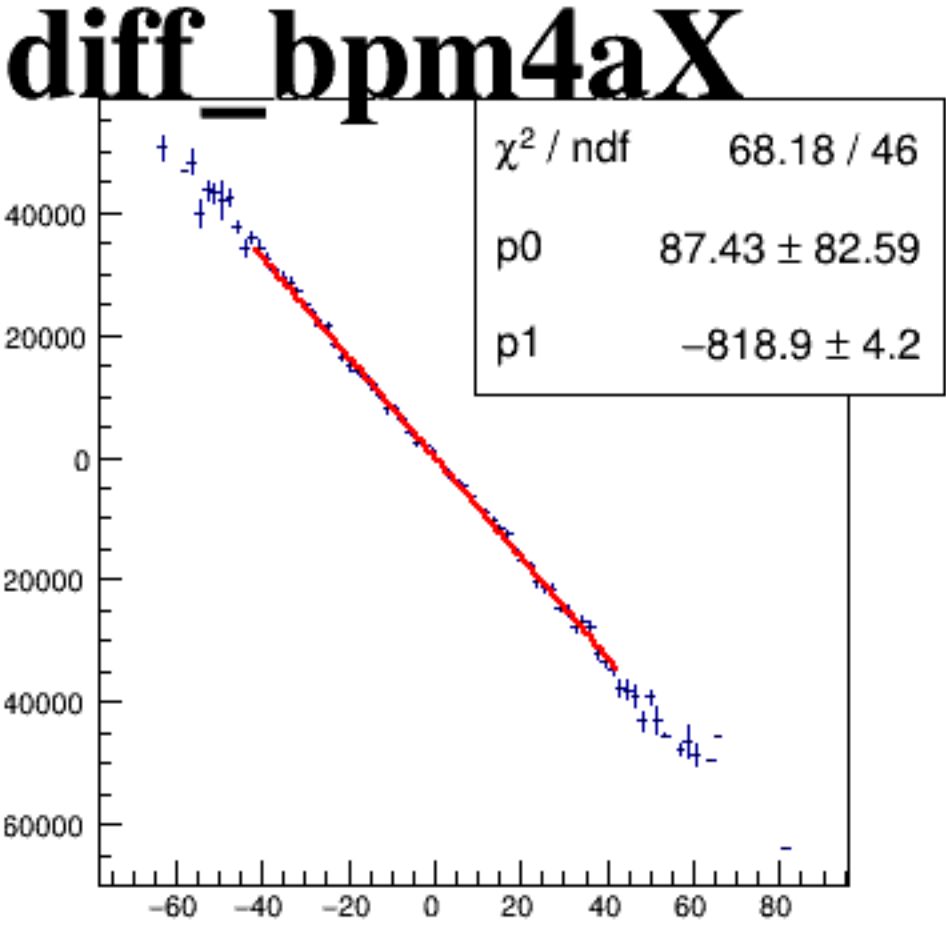
reg_asym_sam6



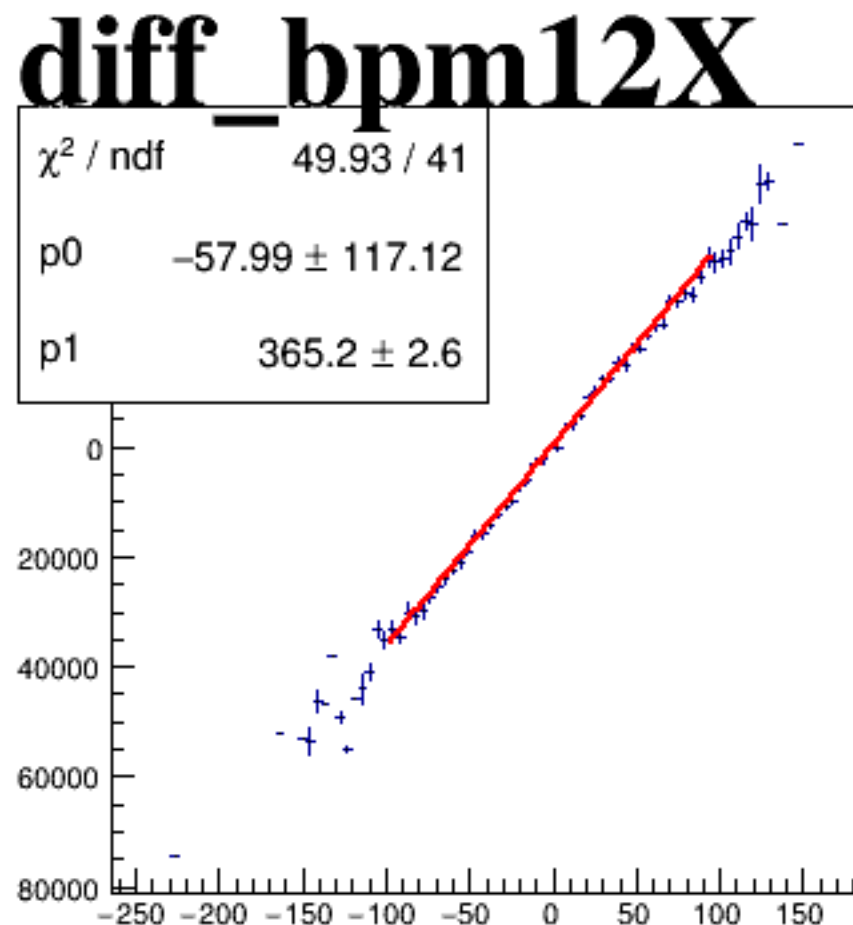
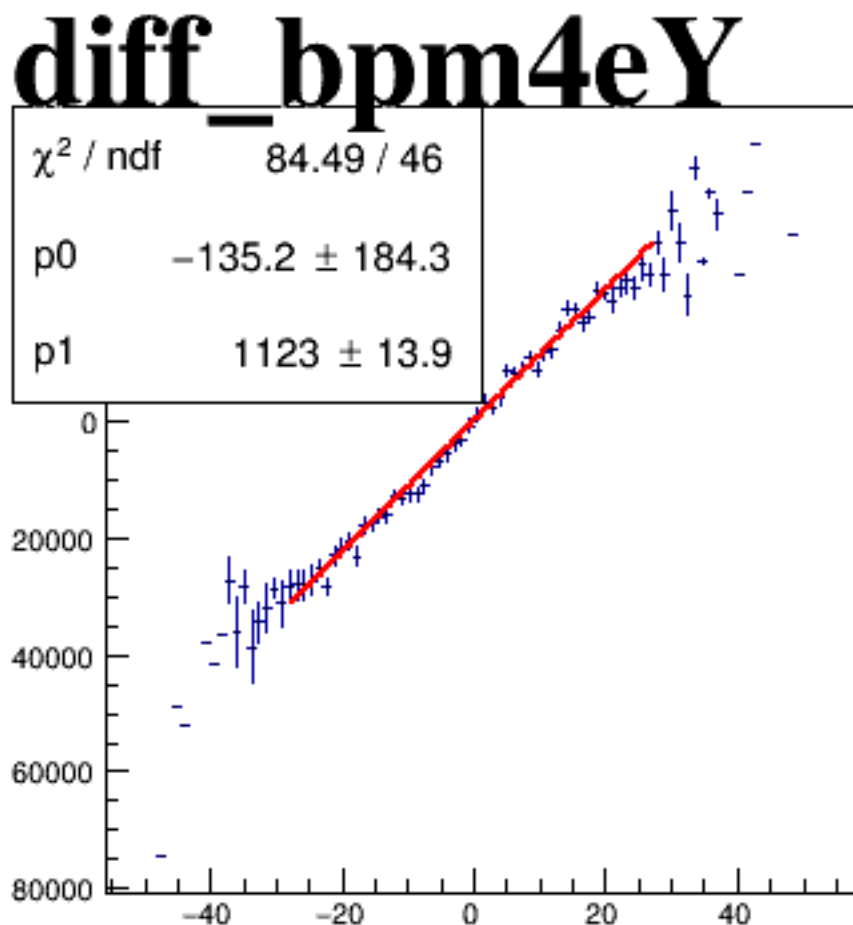
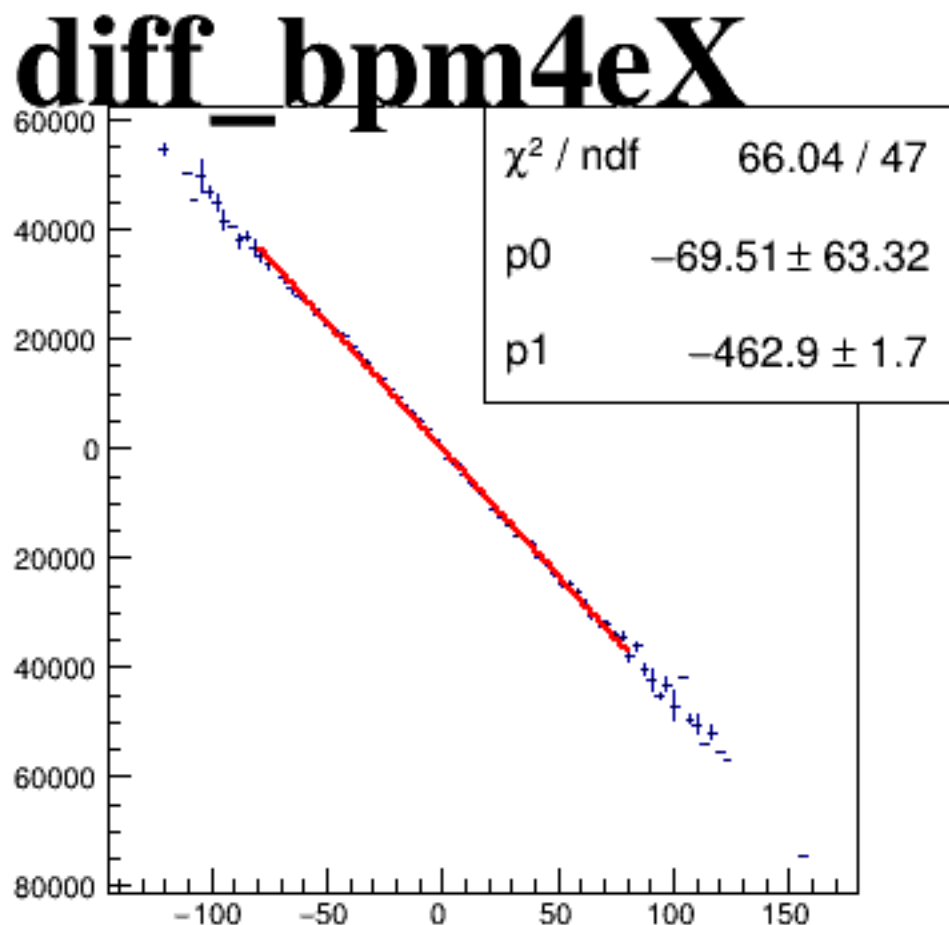
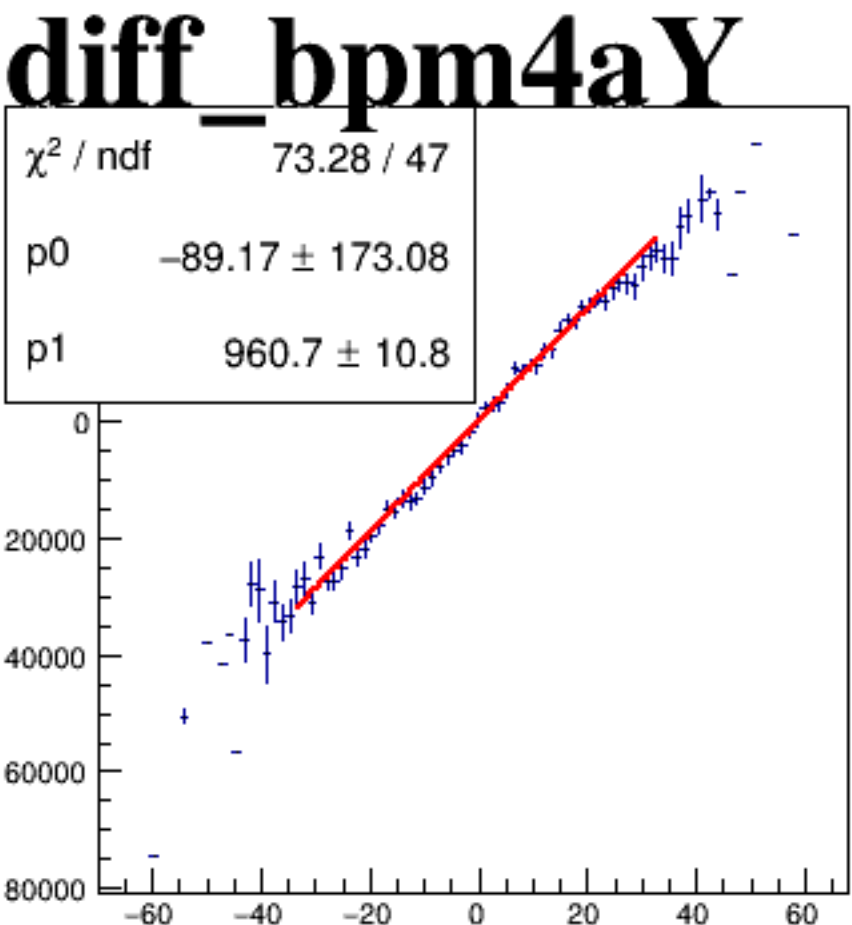
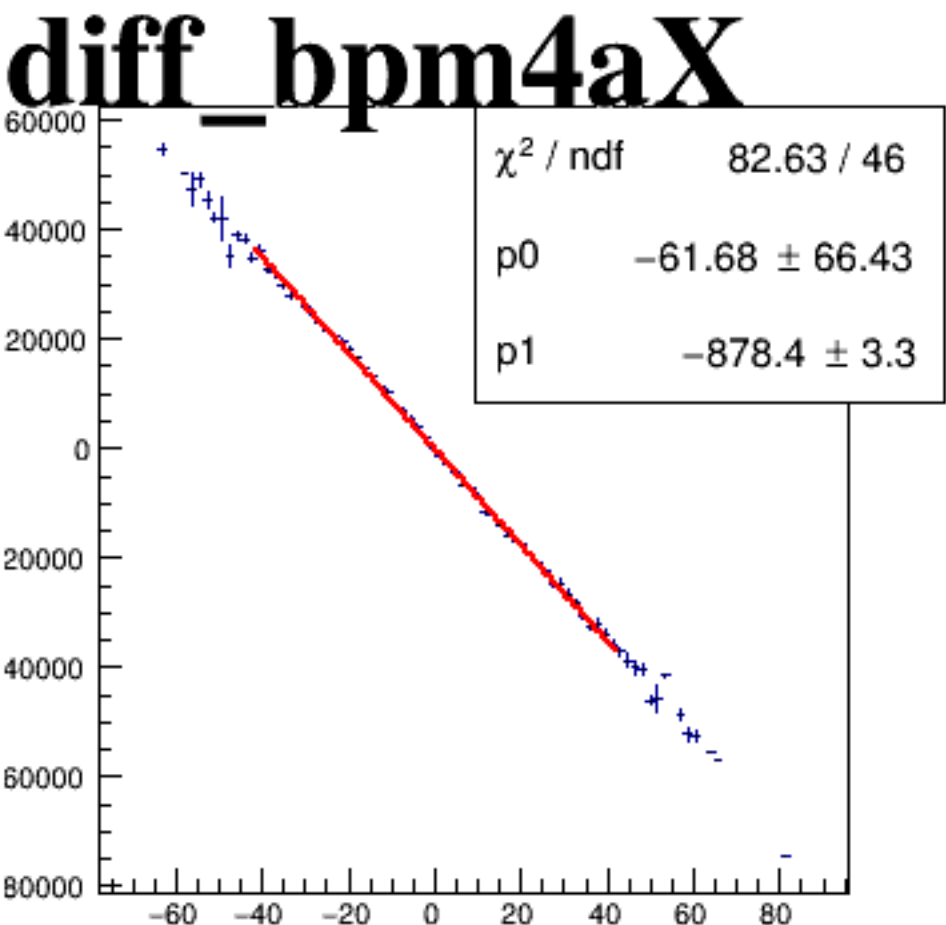
reg_asym_sam8



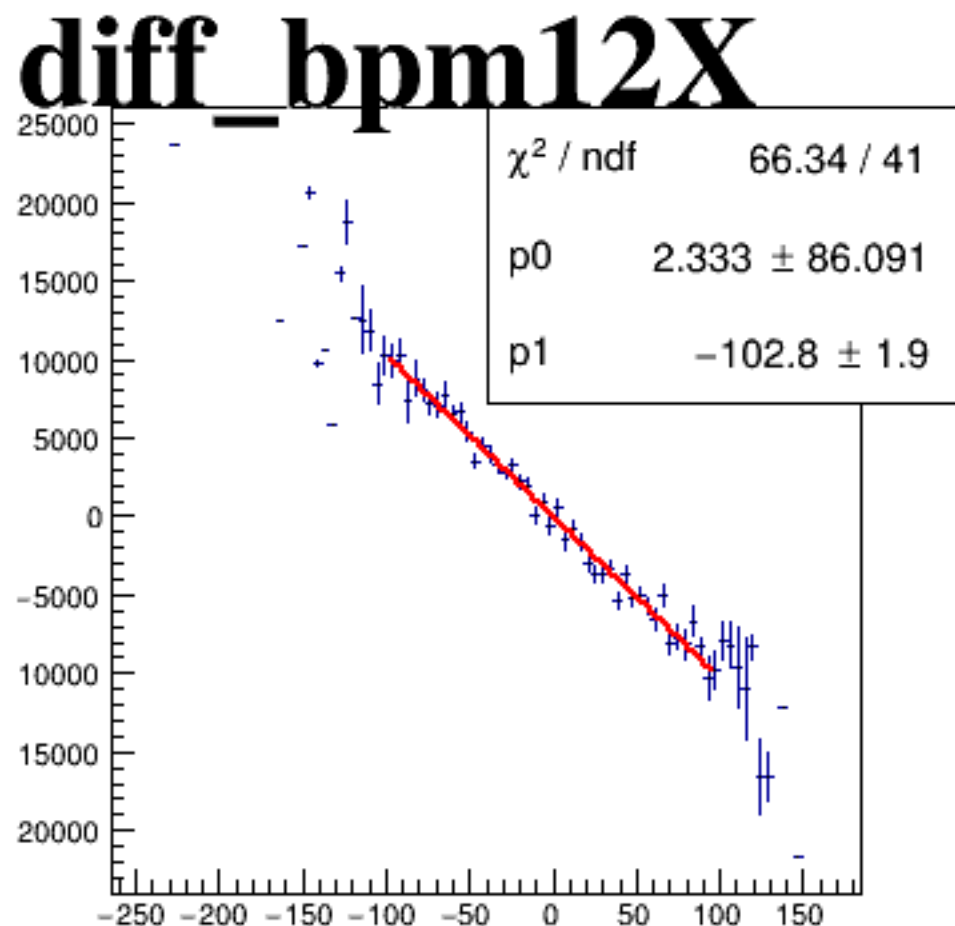
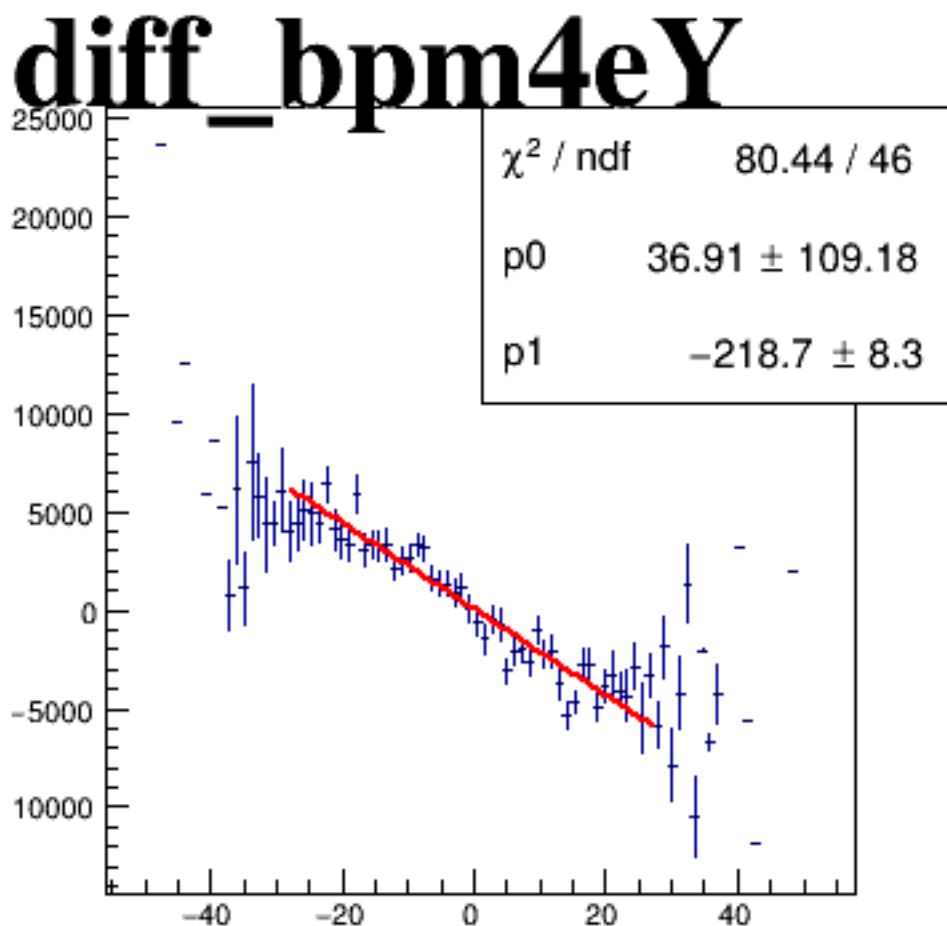
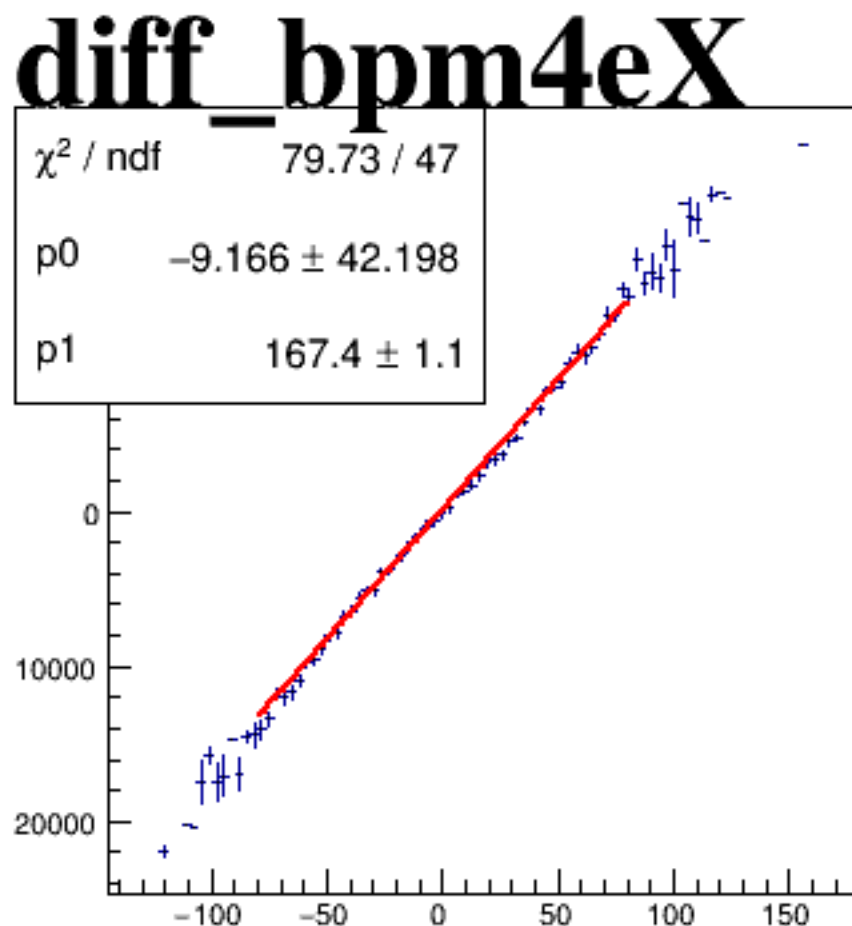
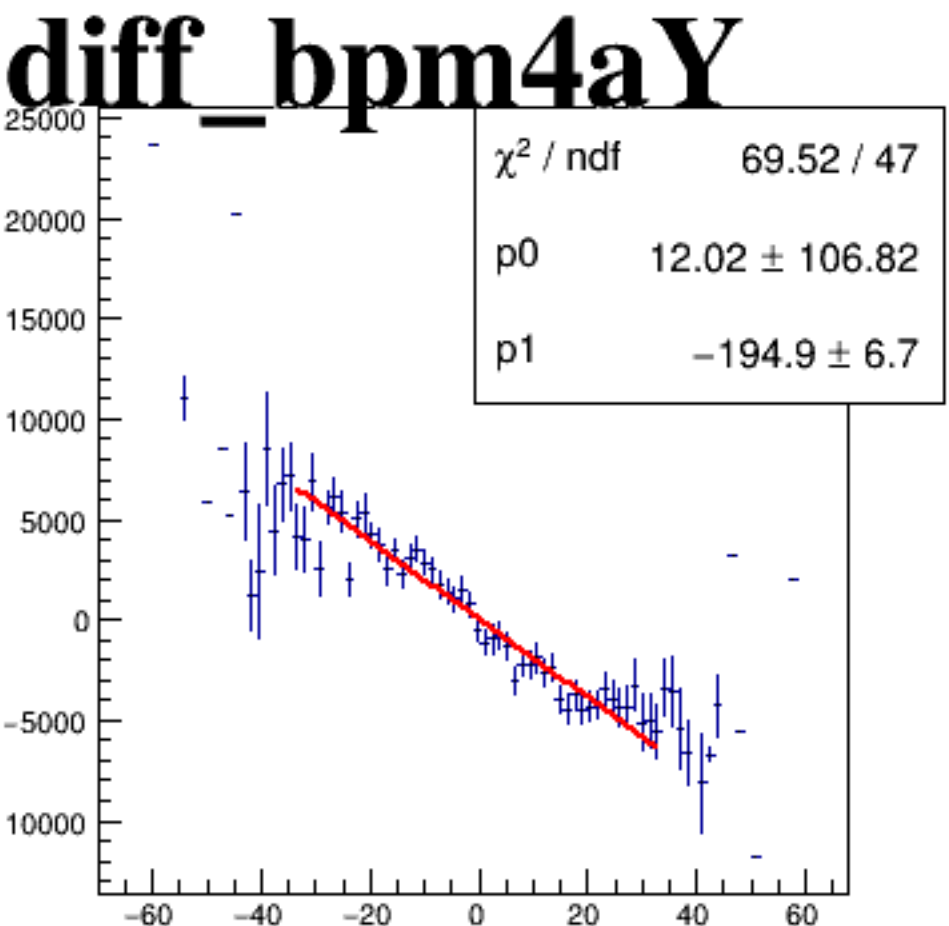
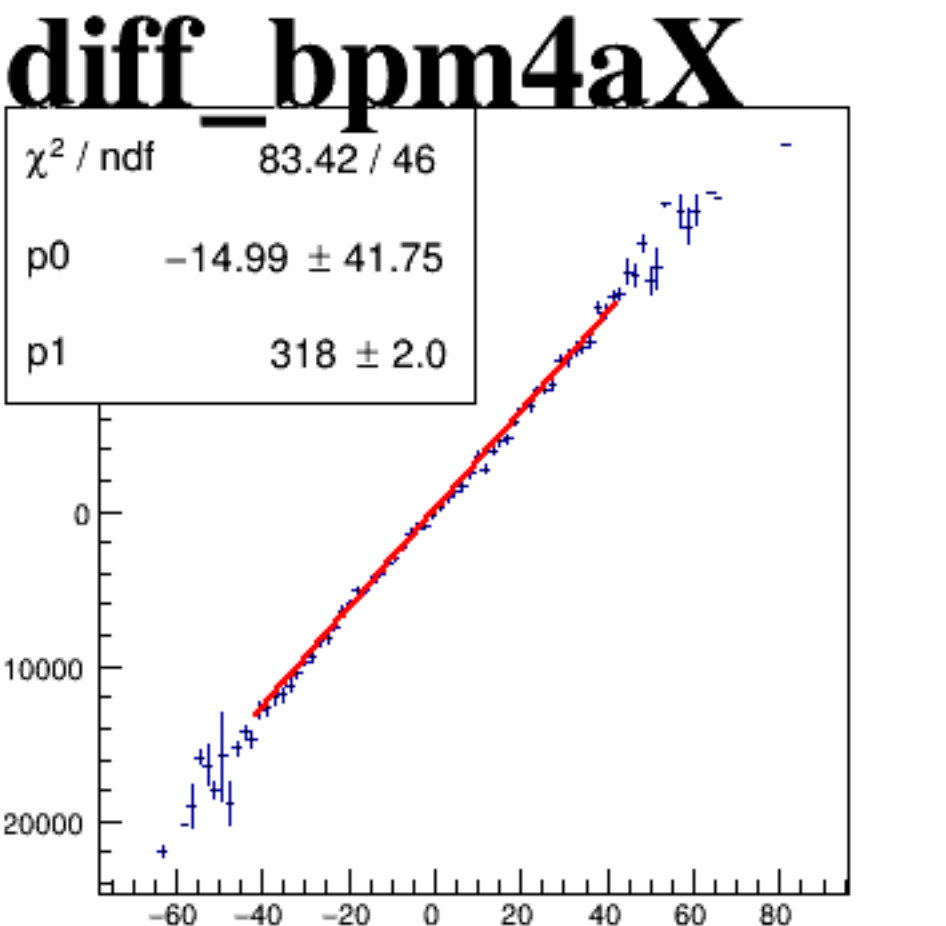
asym_sam2



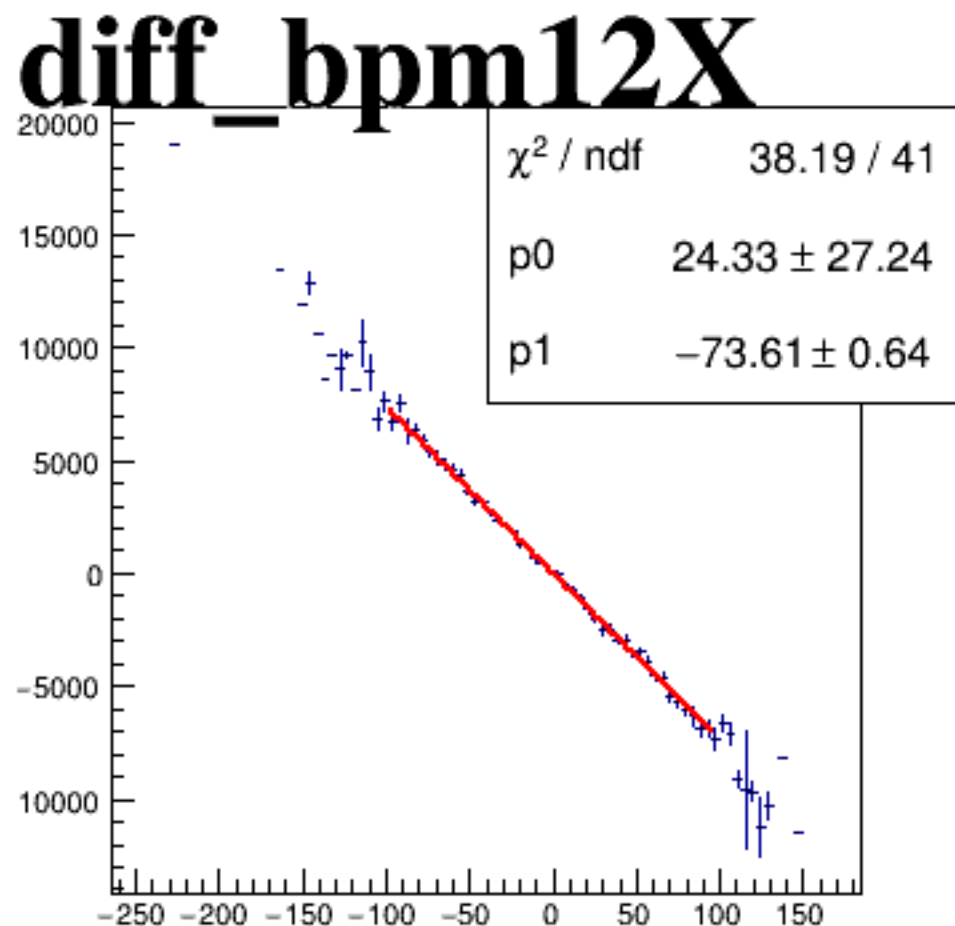
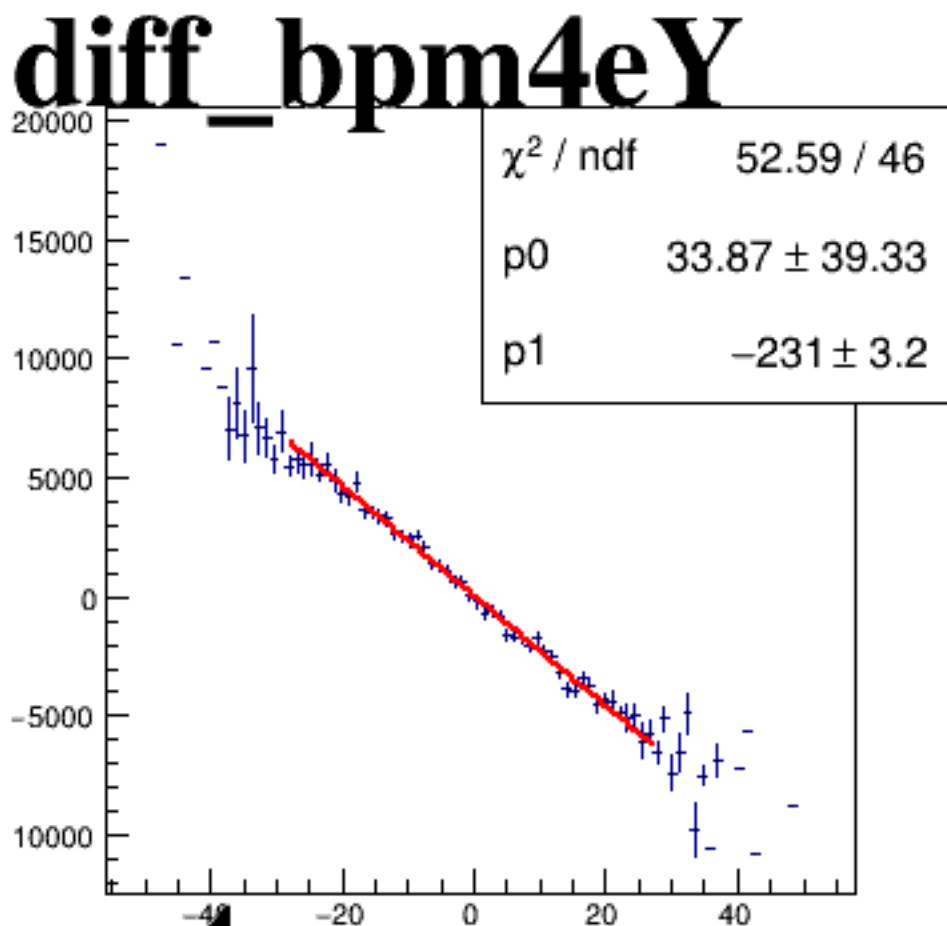
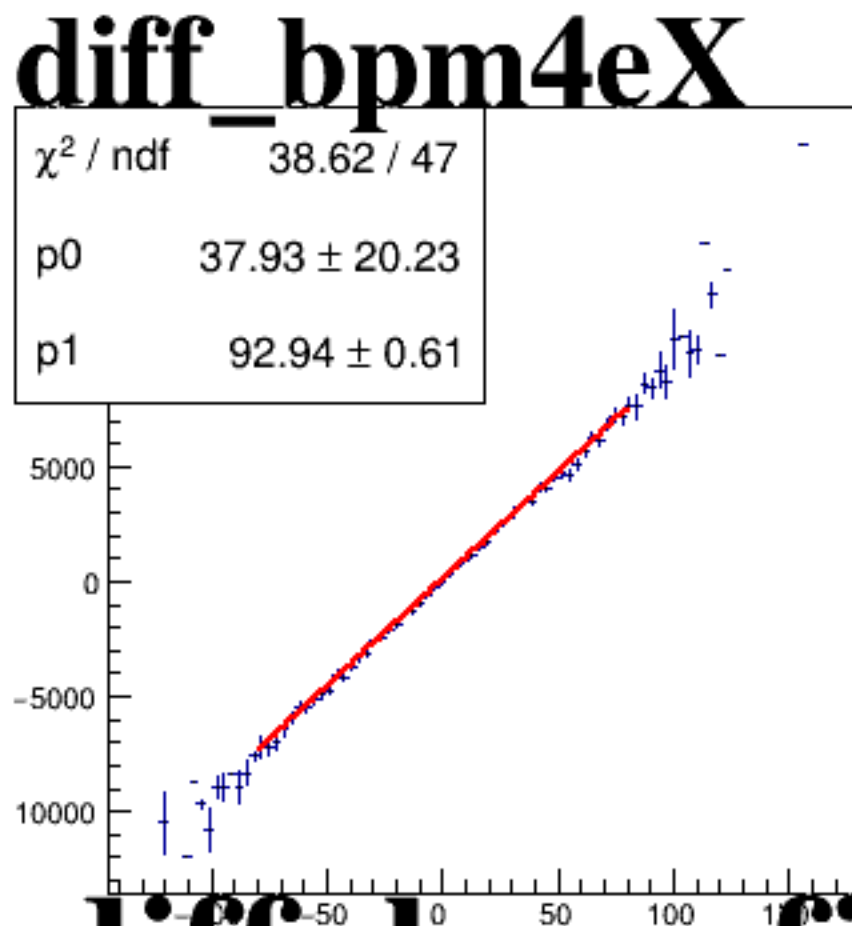
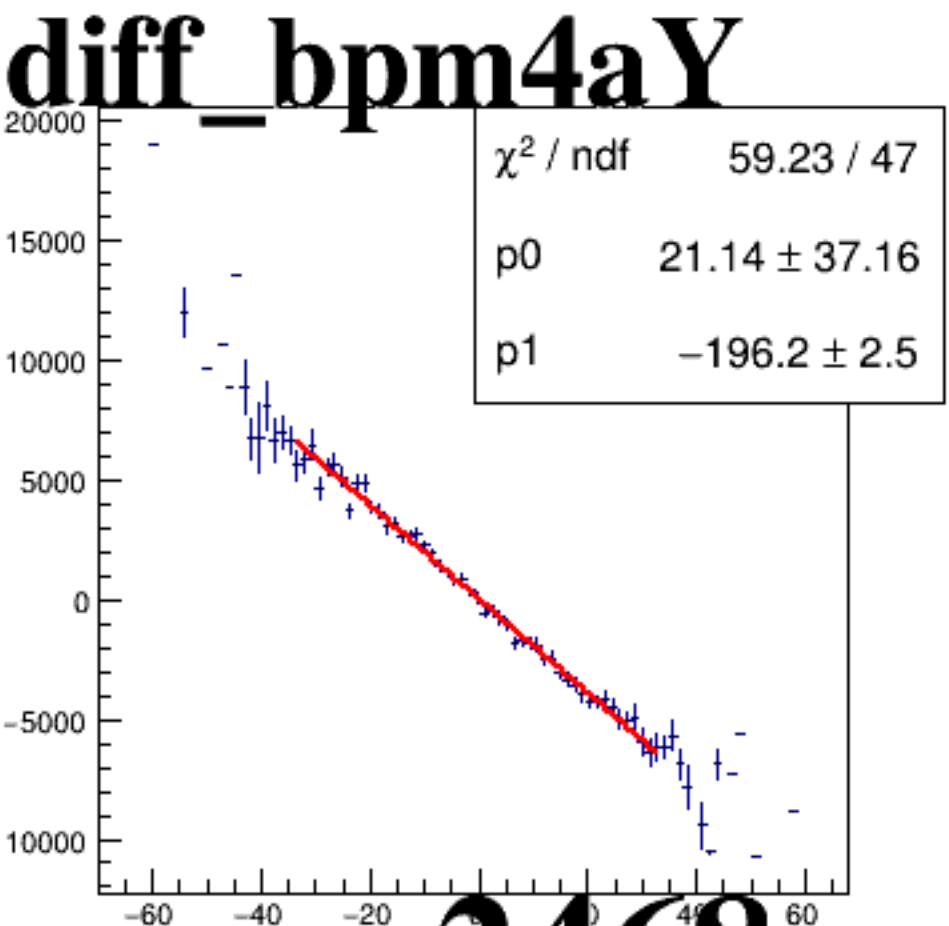
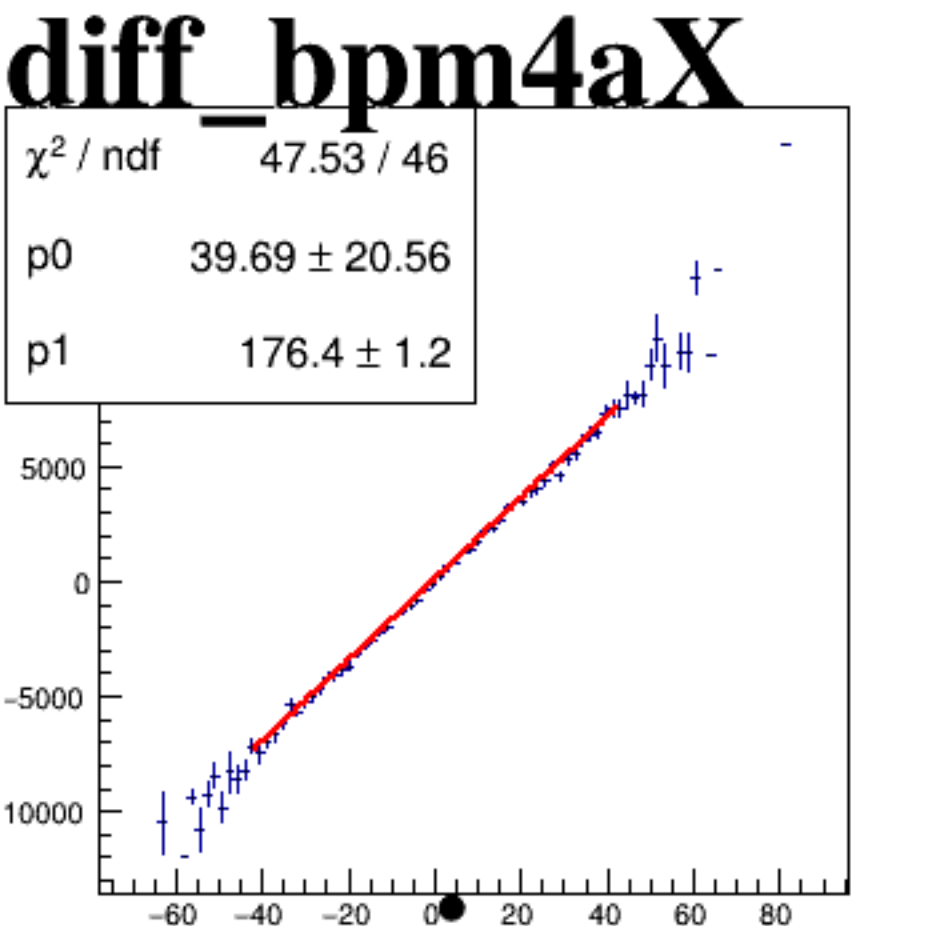
asym_sam4



asym_sam6

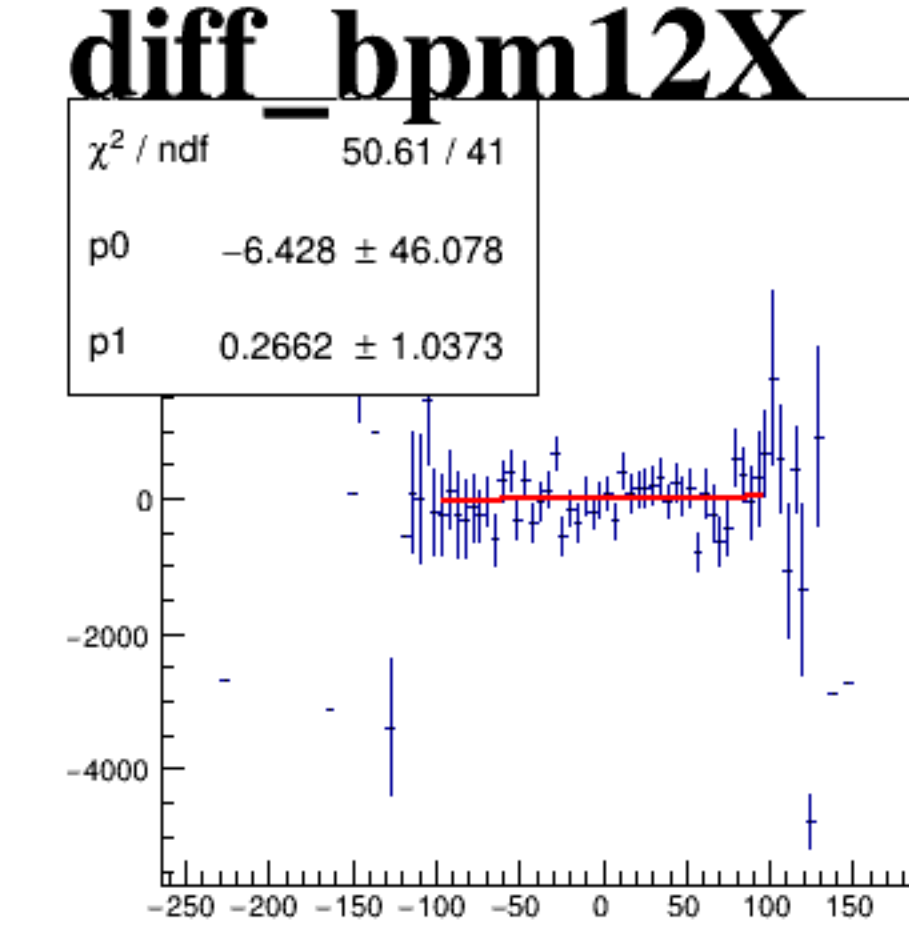
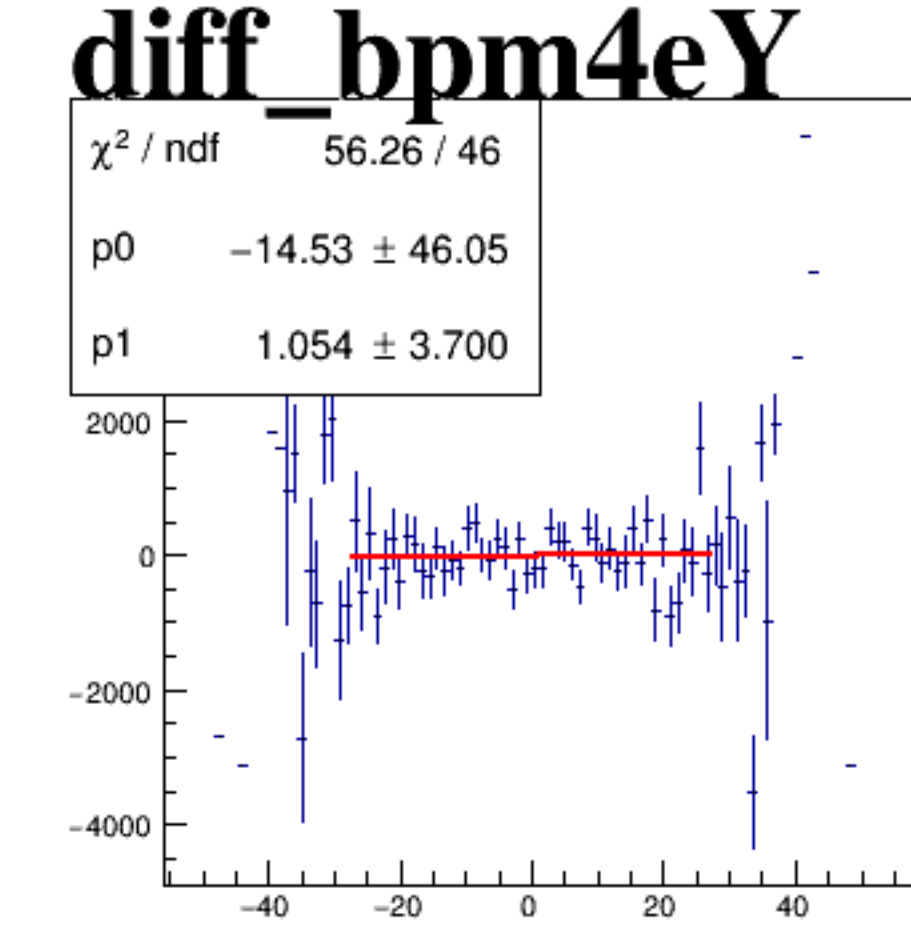
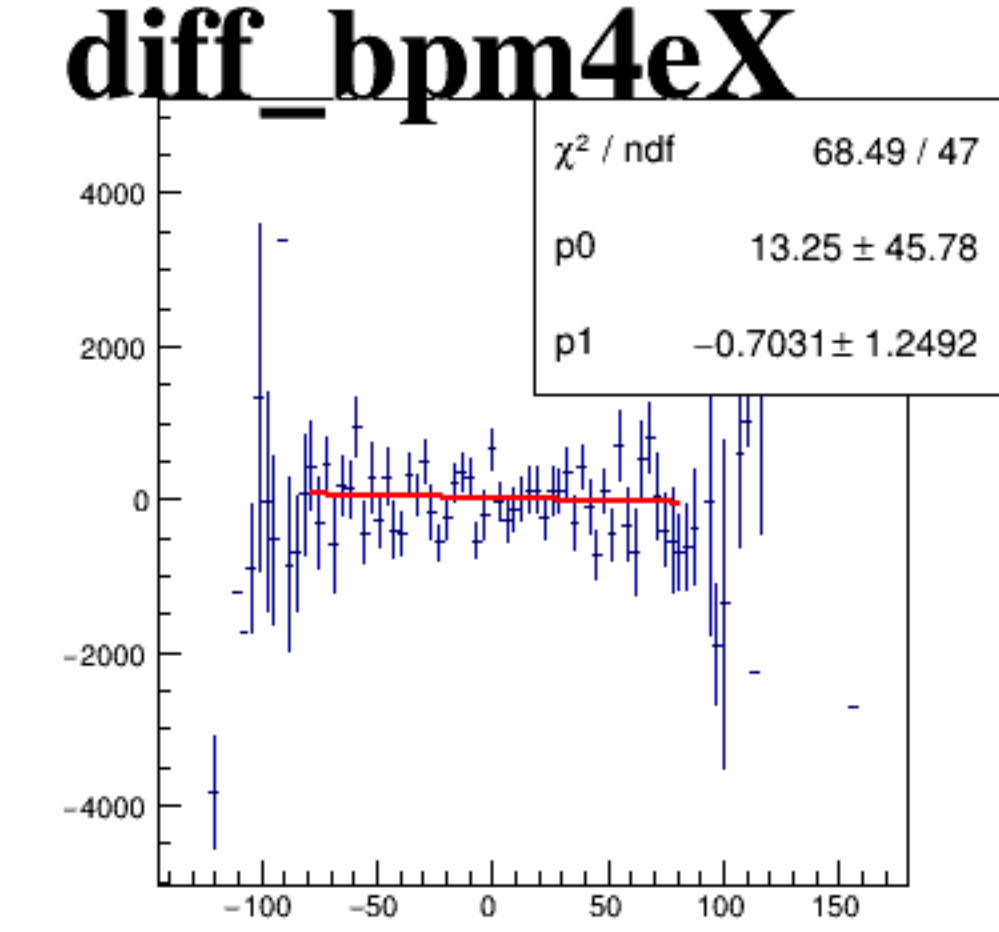
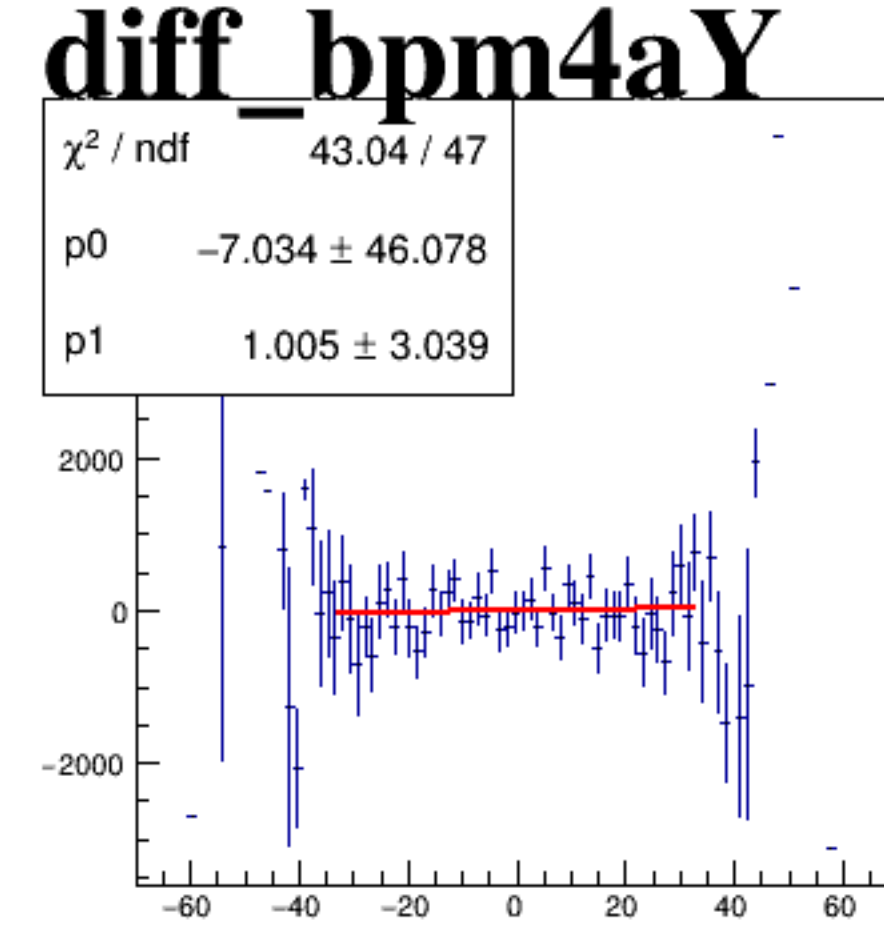
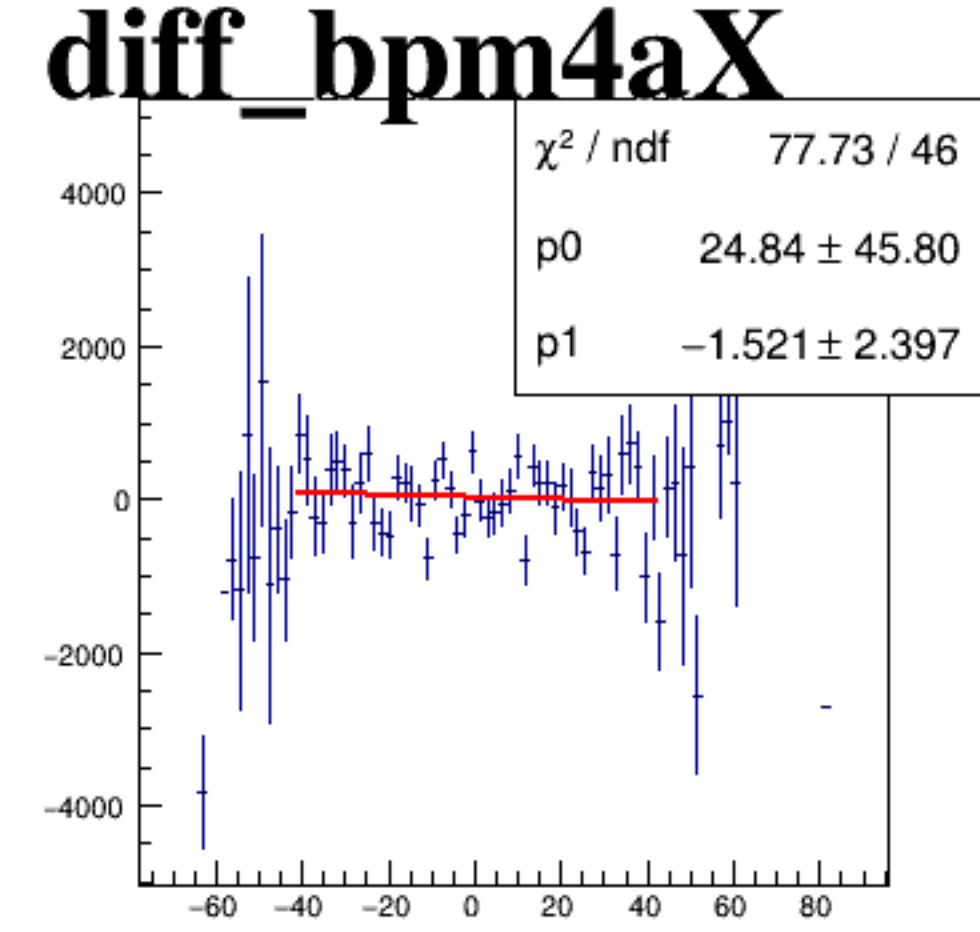


asym_sam8

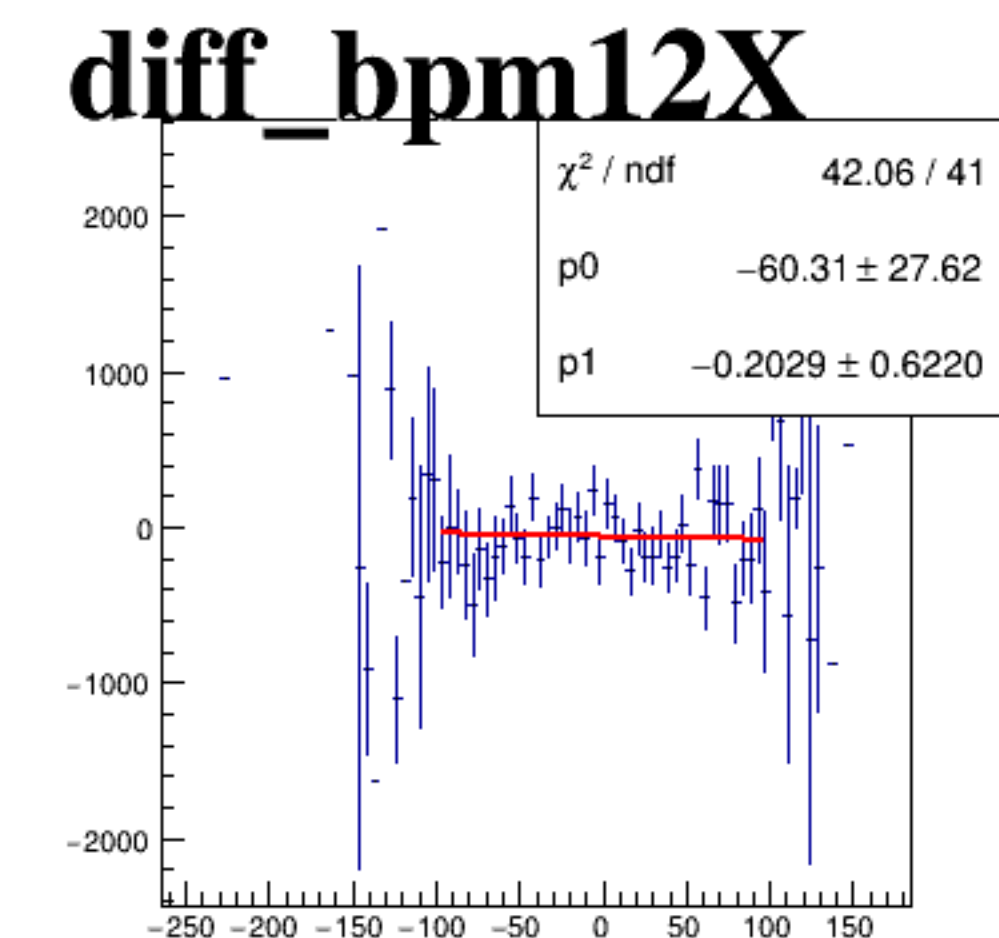
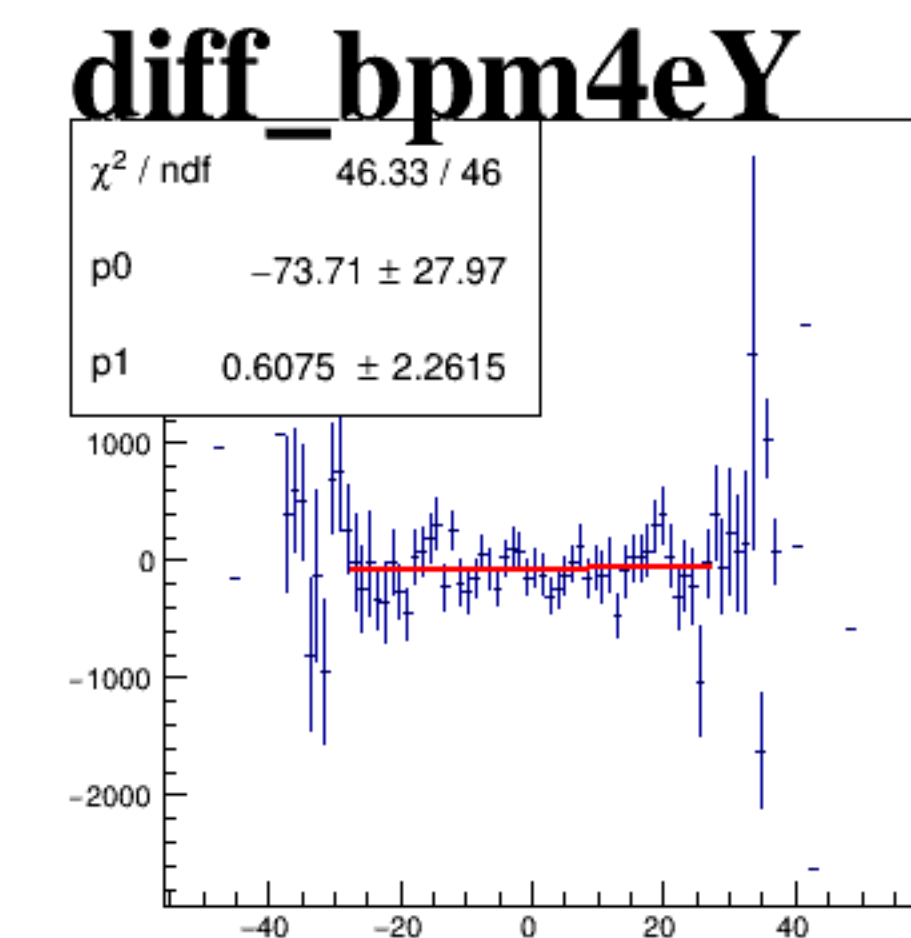
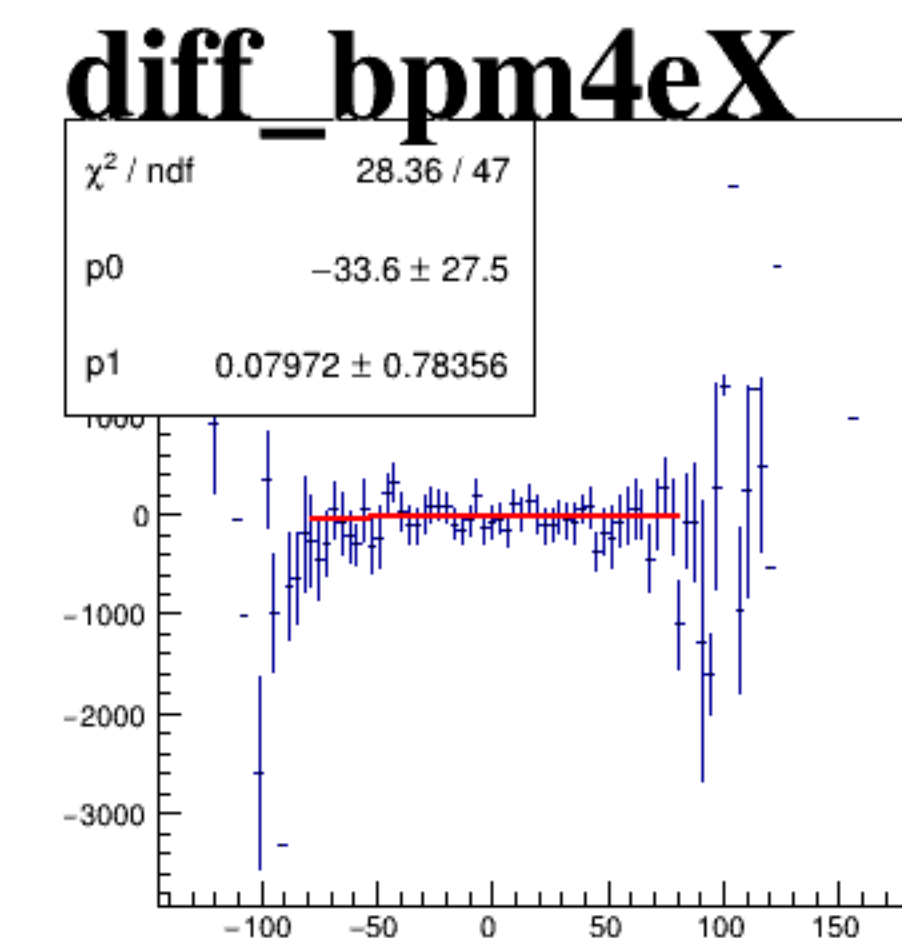
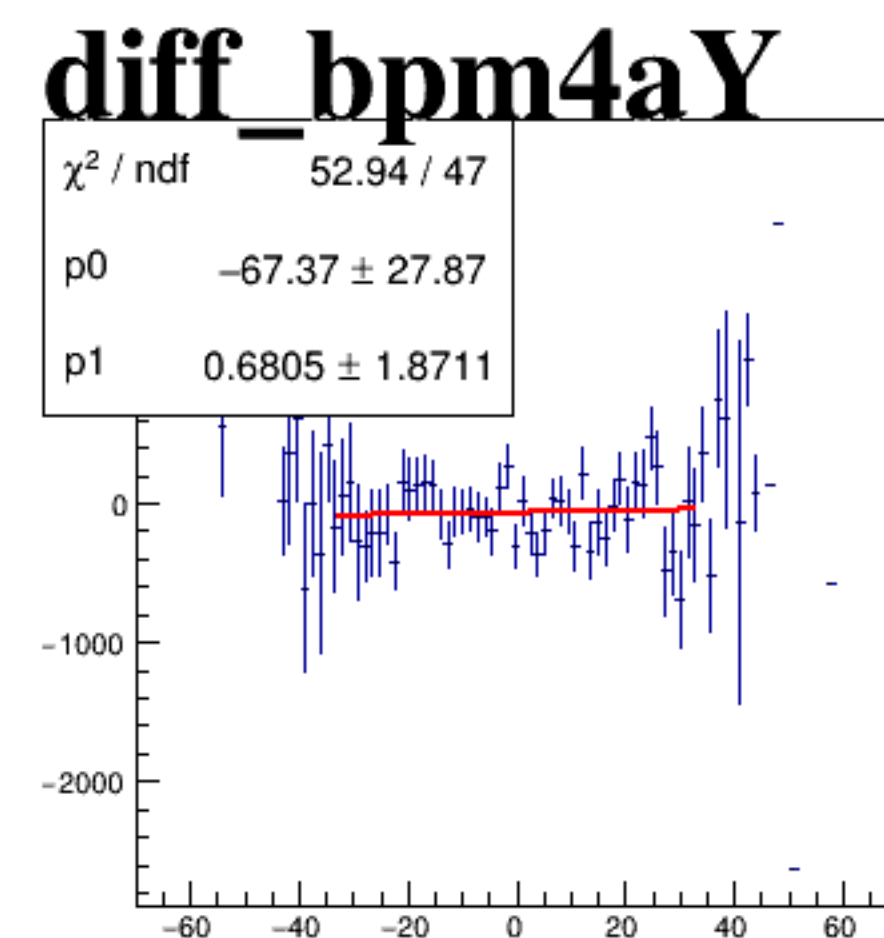
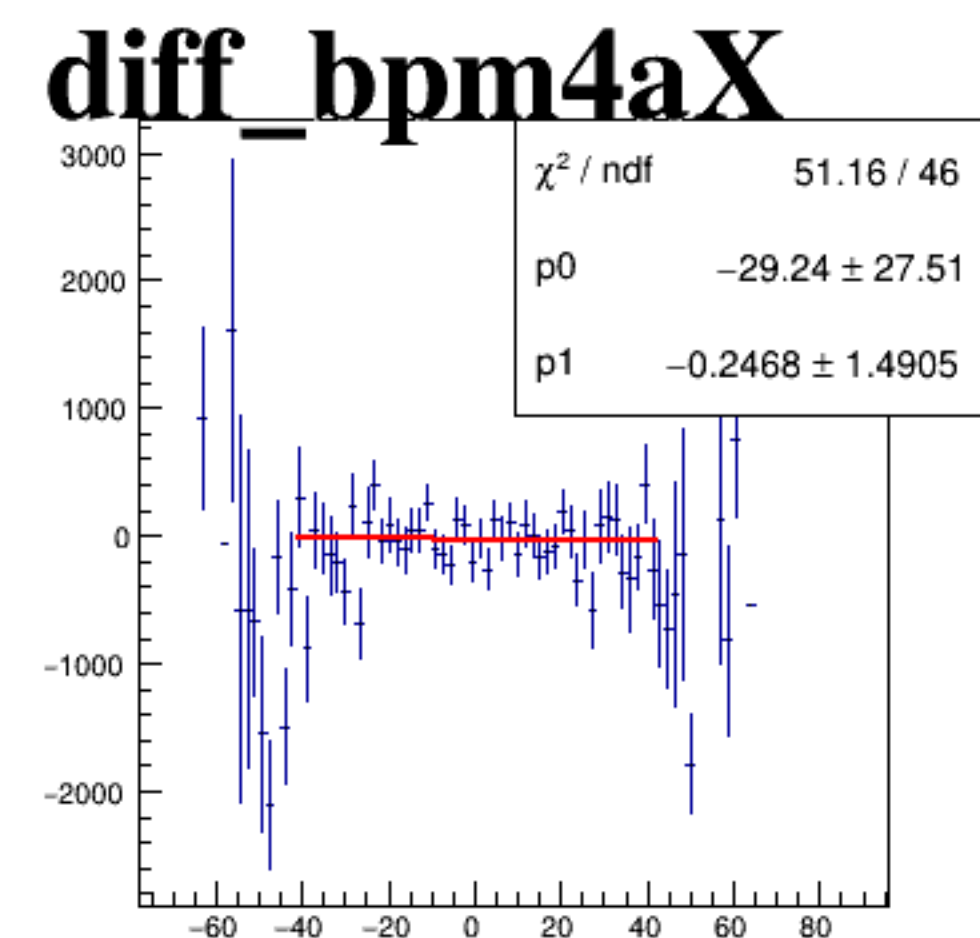


run3137_000_regression_asym_sam2468 vs diff_bpm-fit_postpan.png

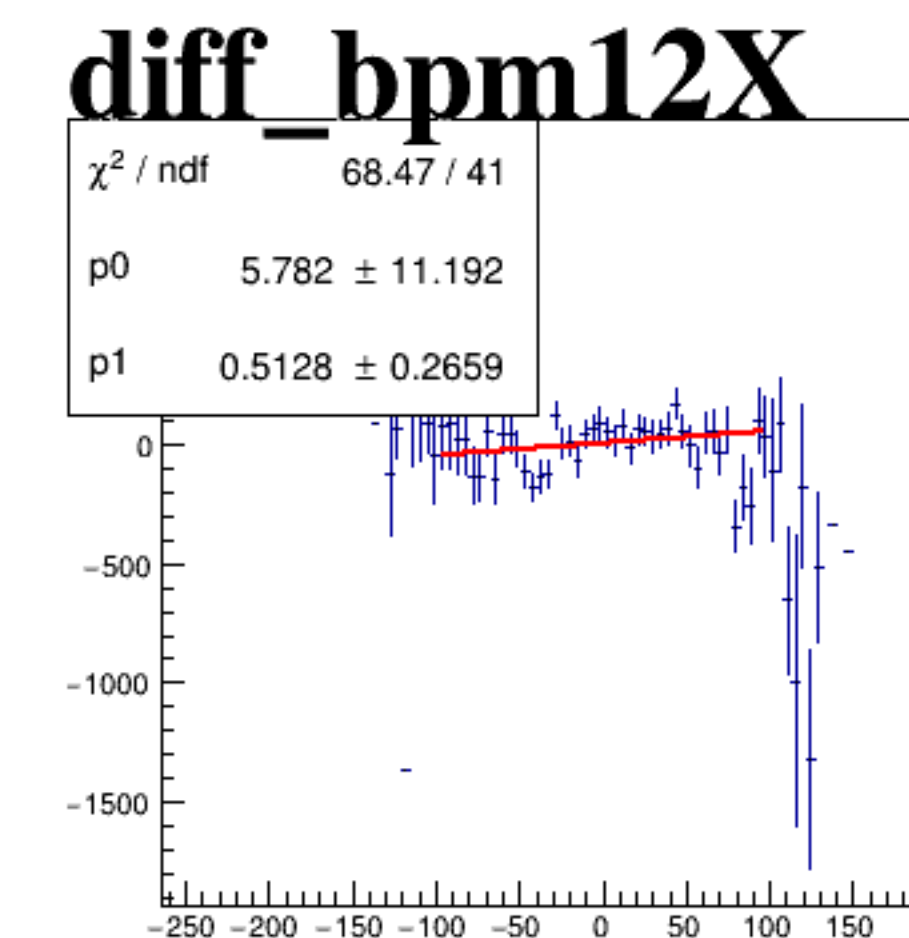
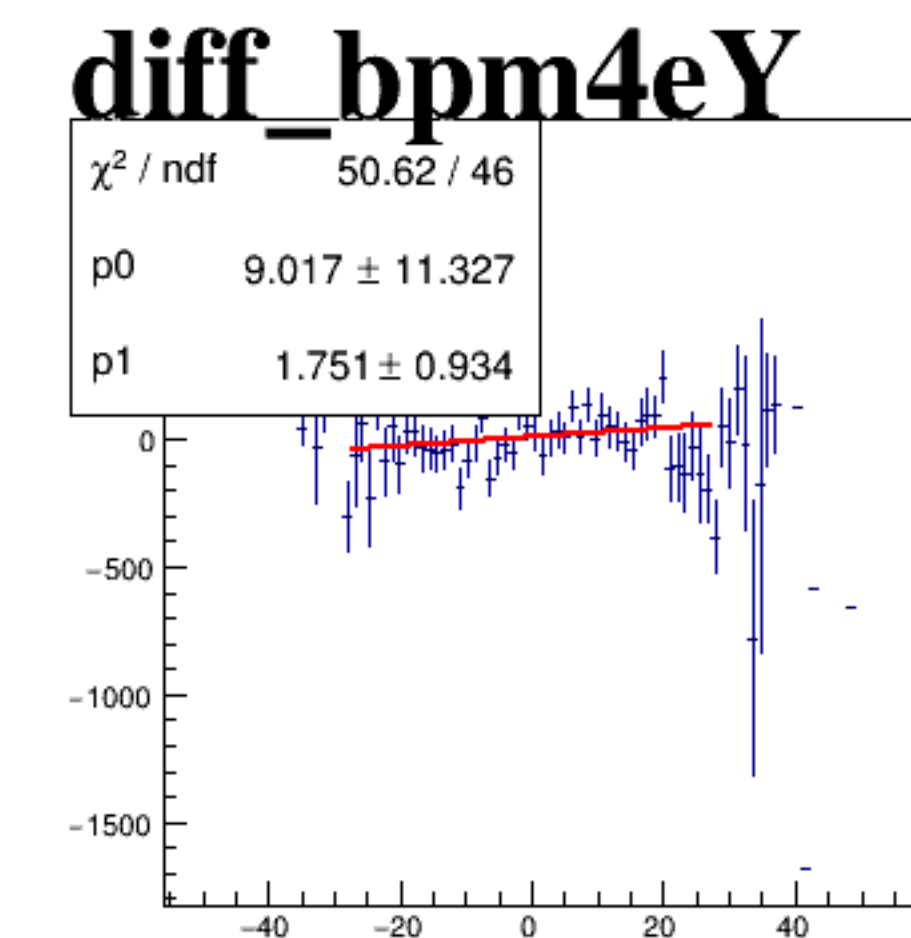
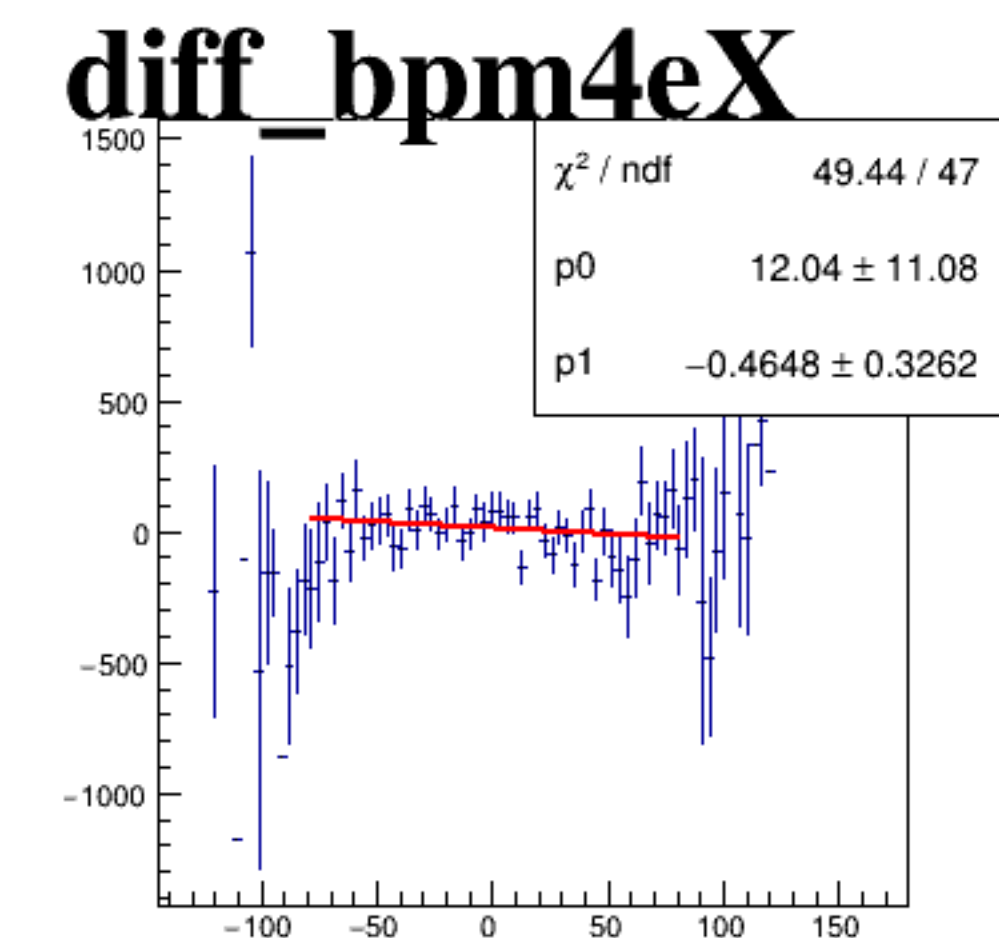
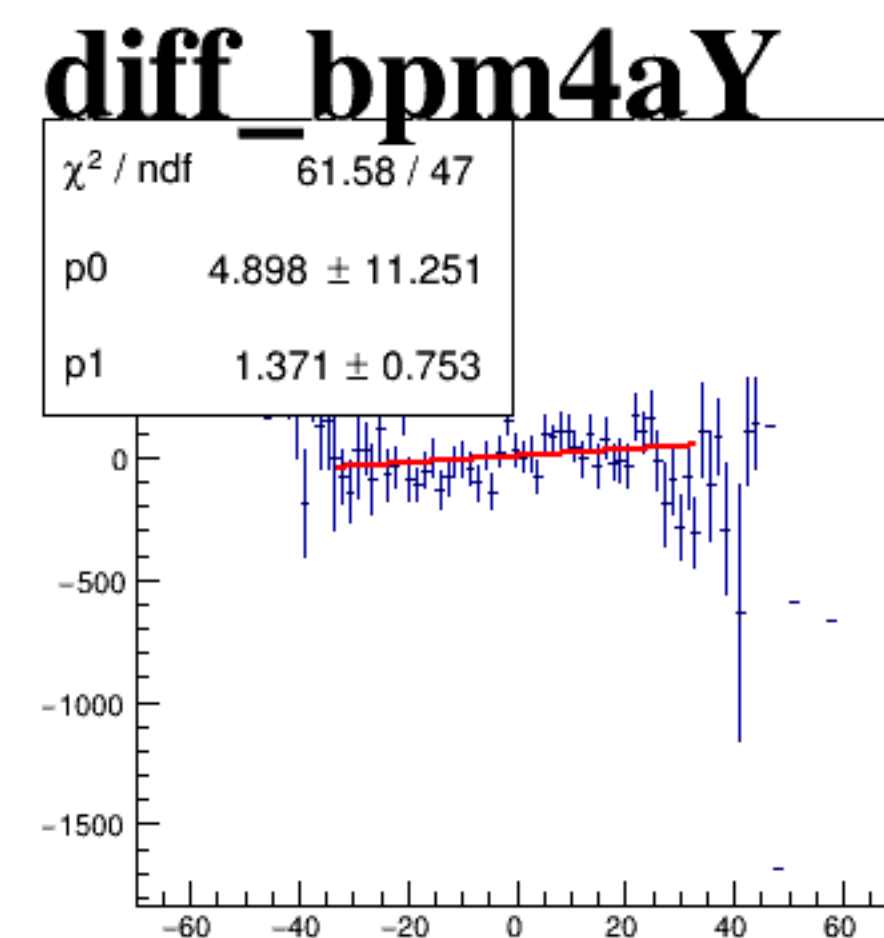
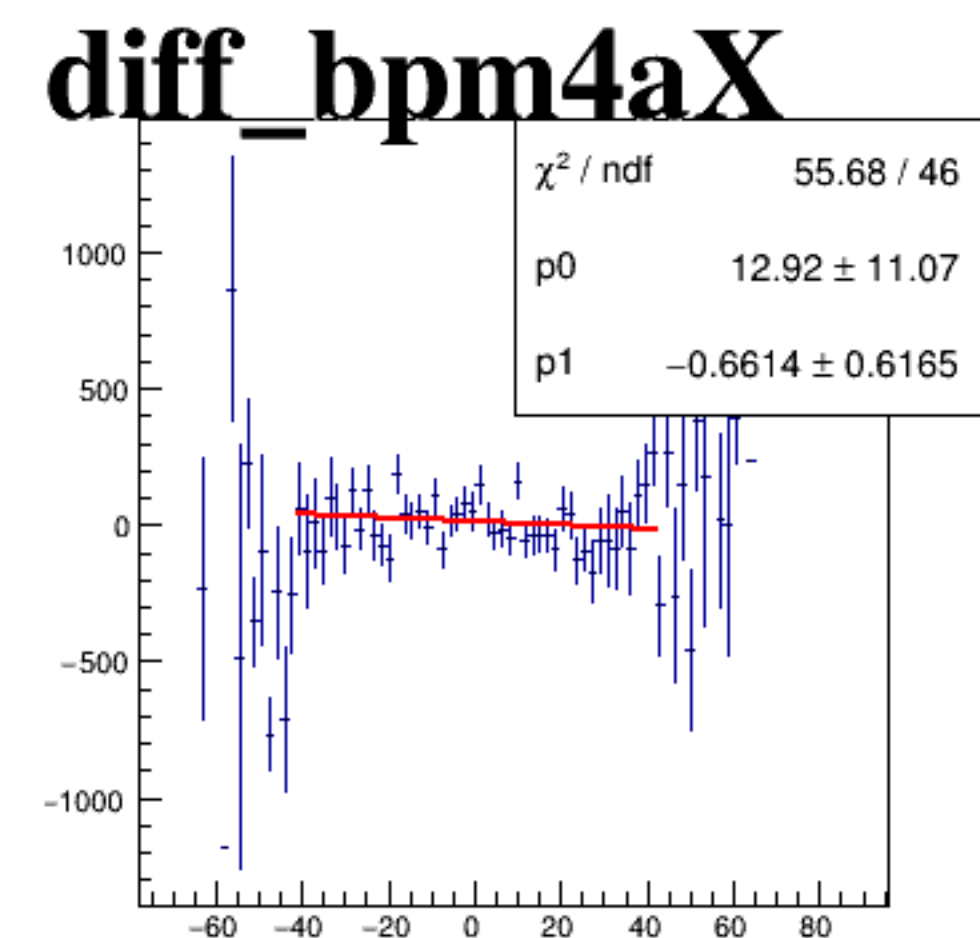
reg_asym_sam2



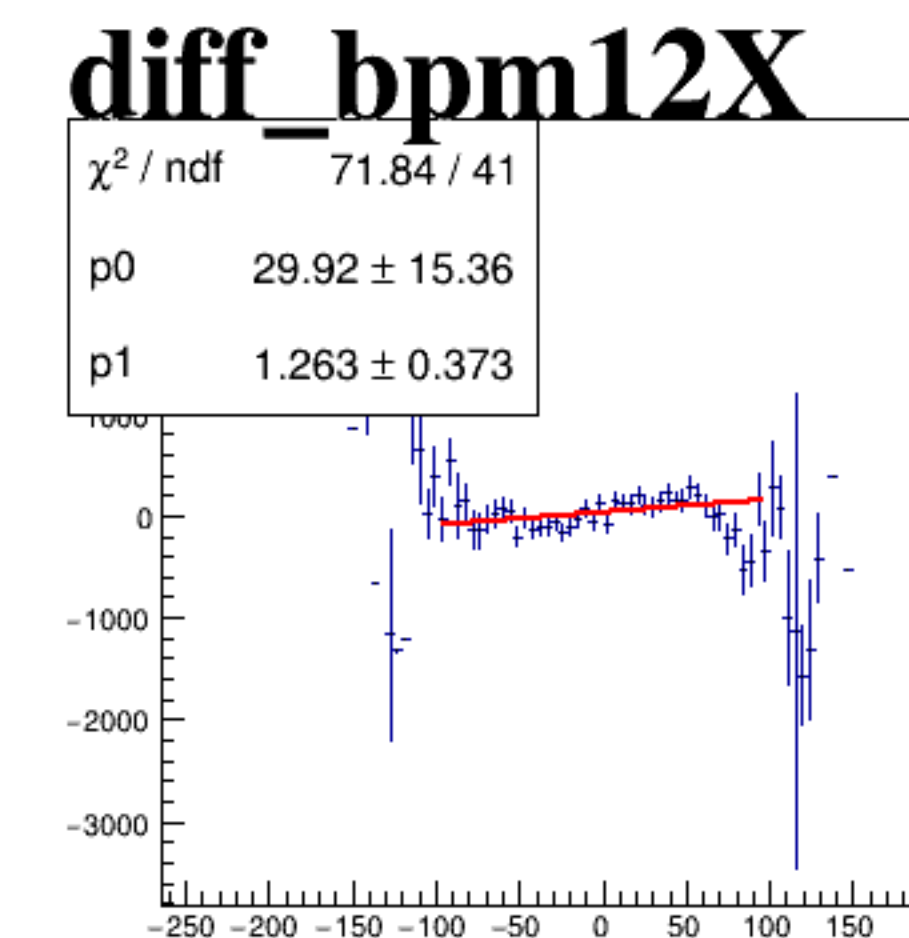
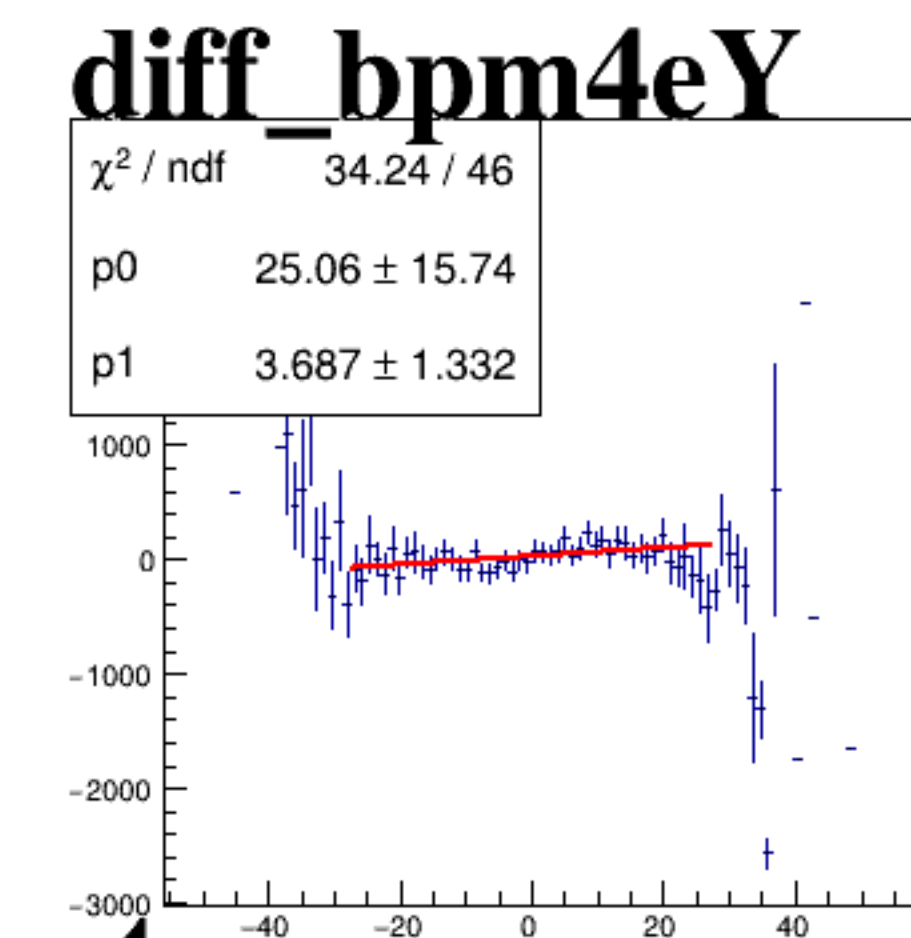
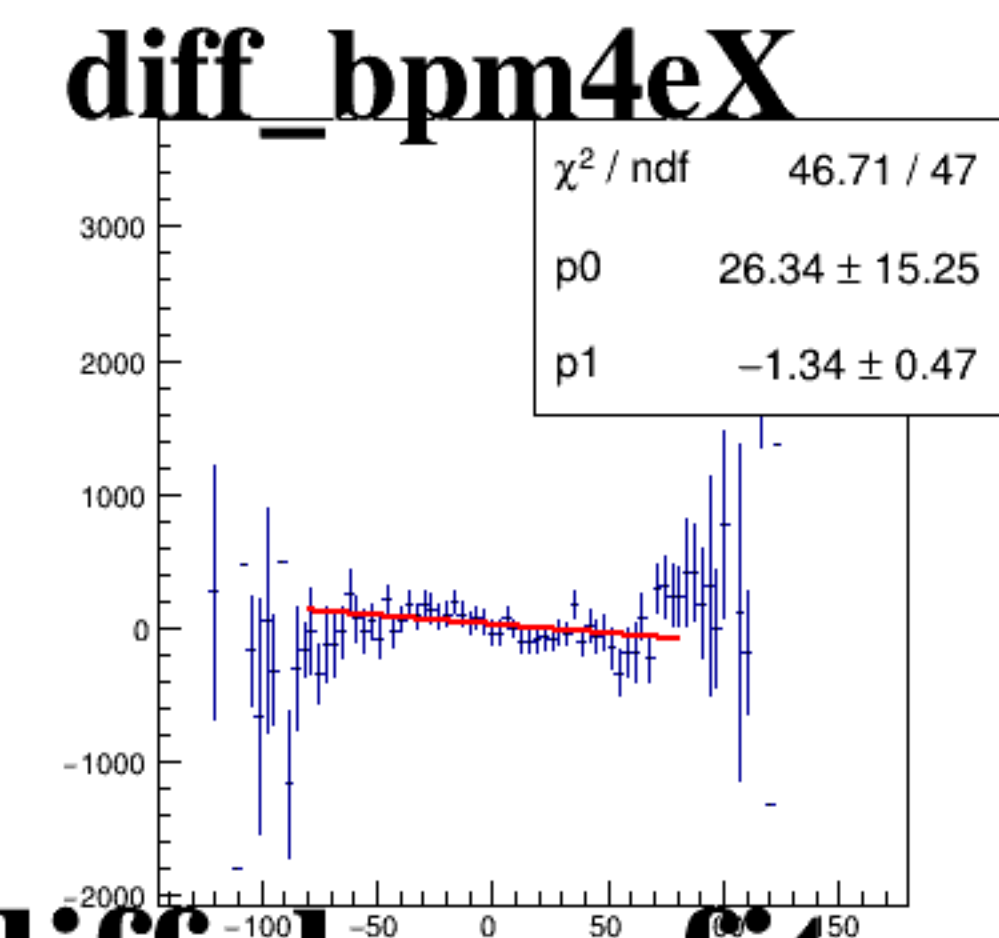
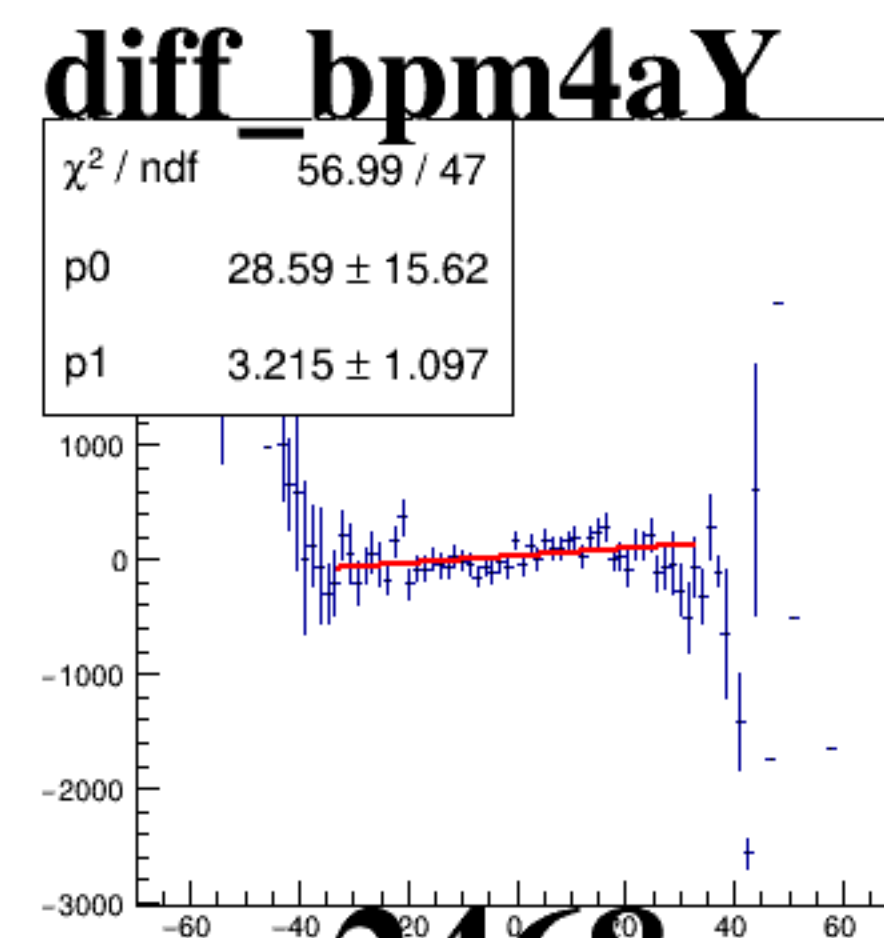
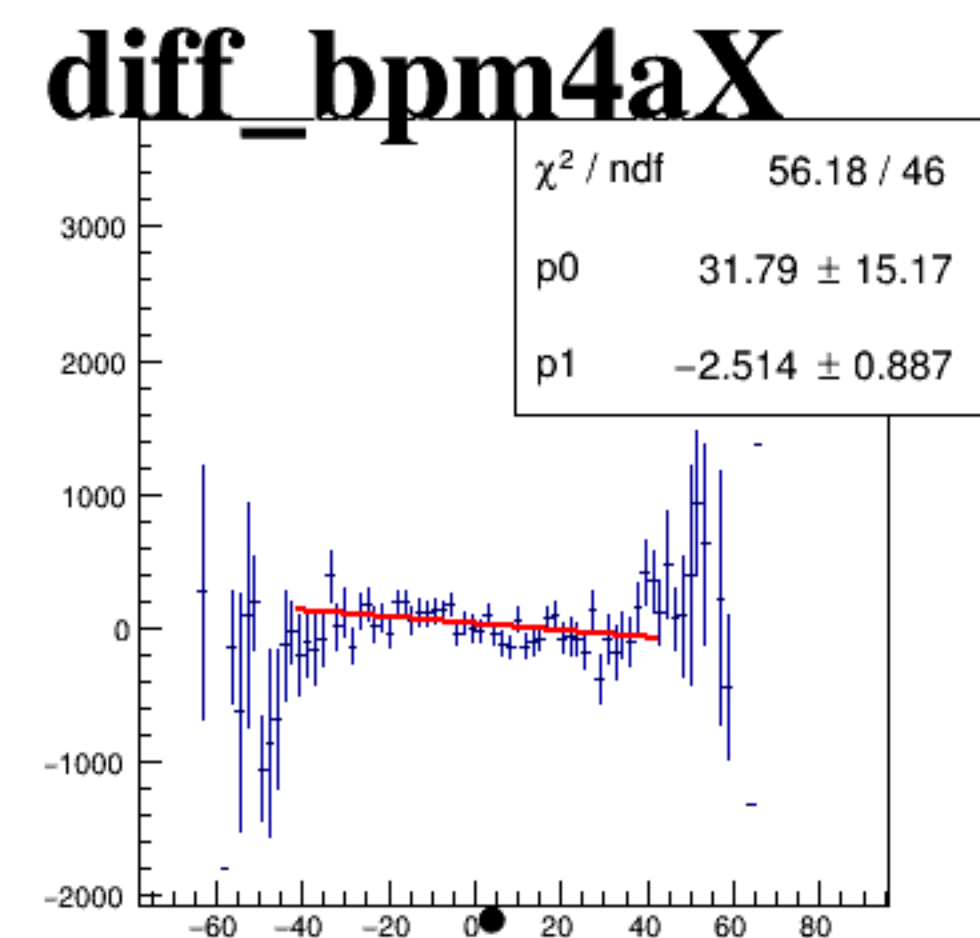
reg_asym_sam4



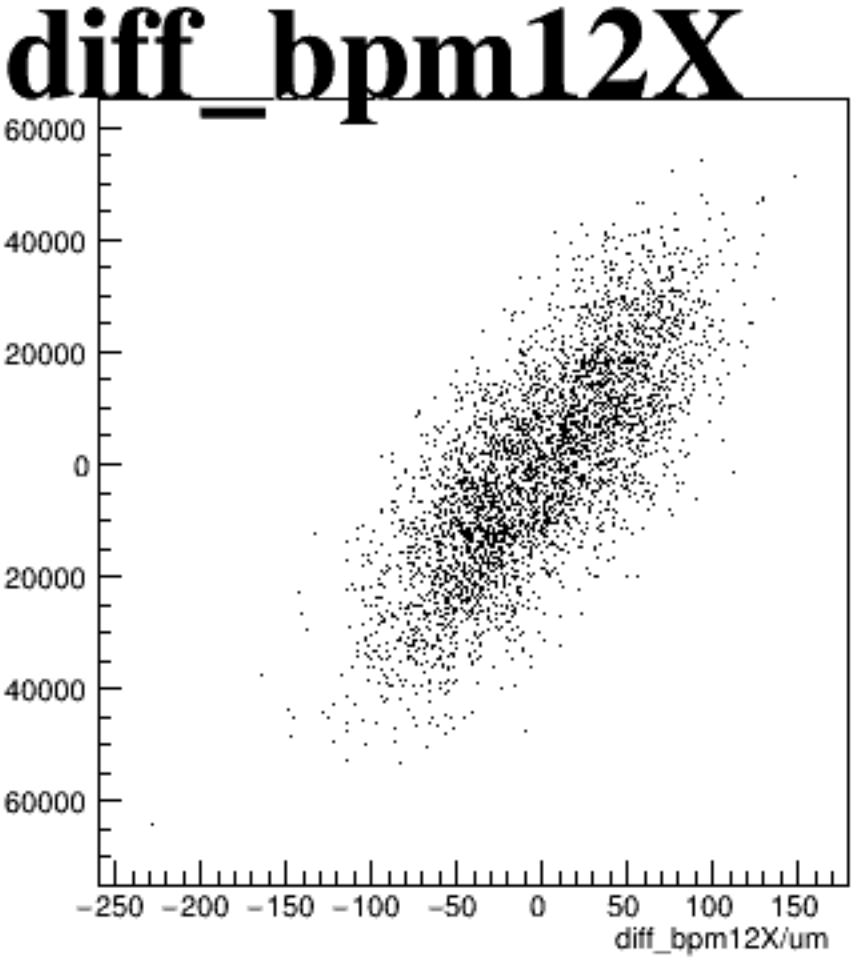
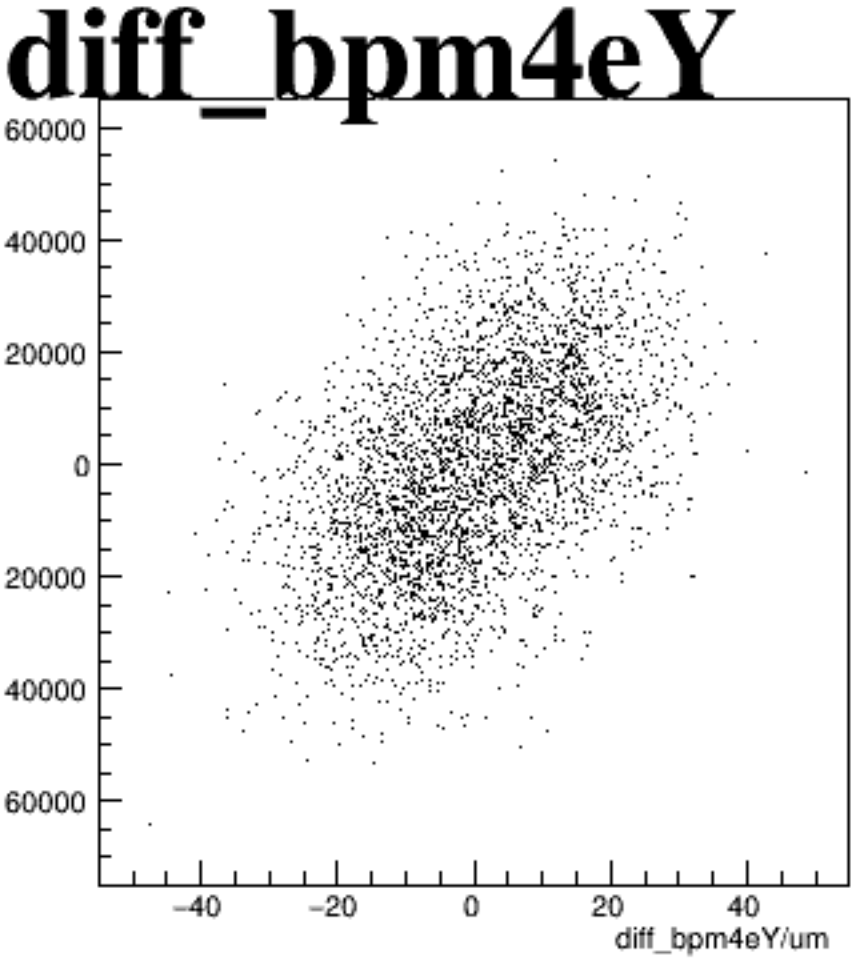
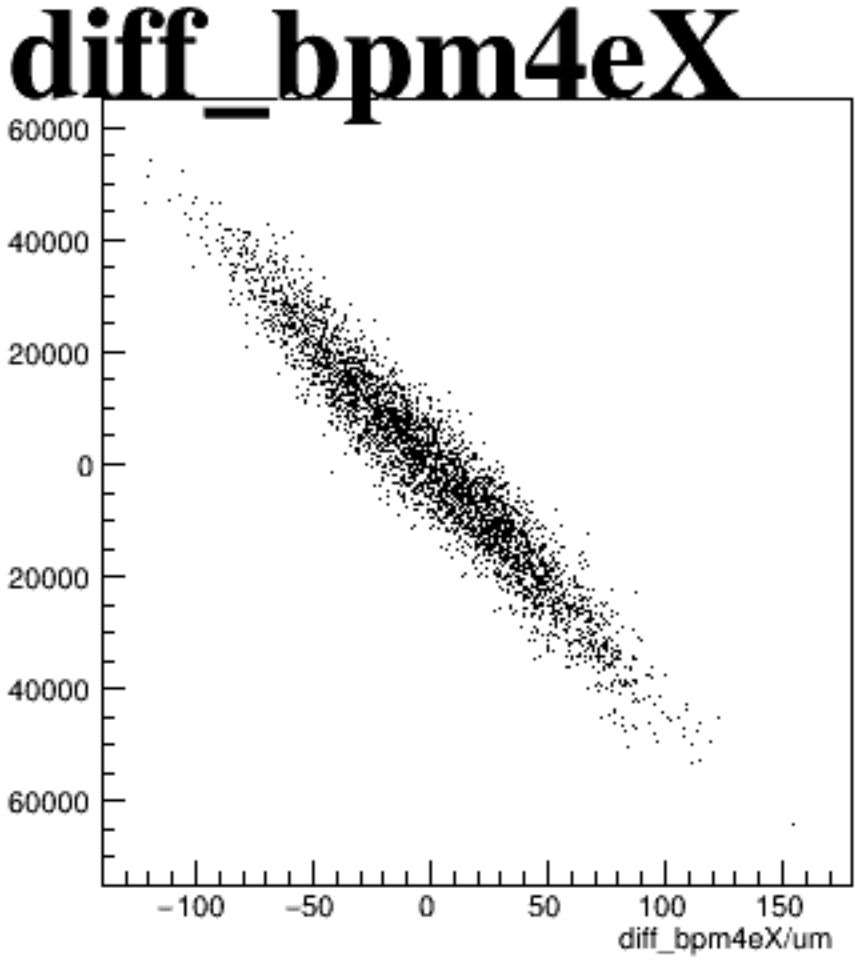
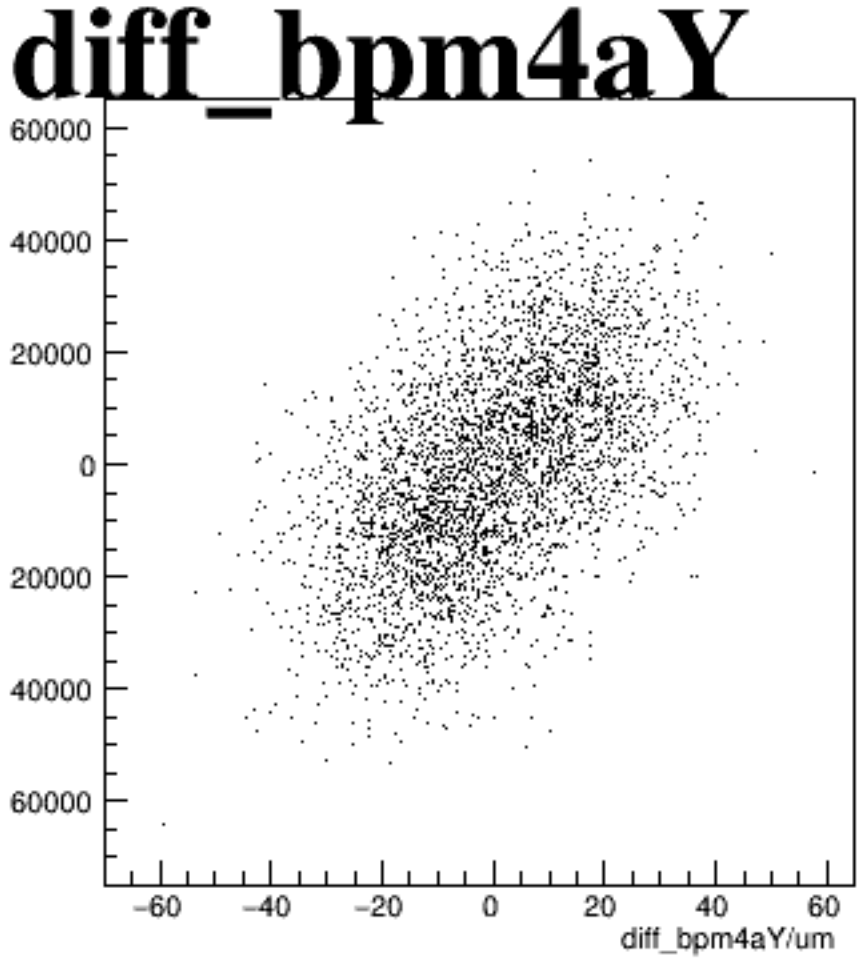
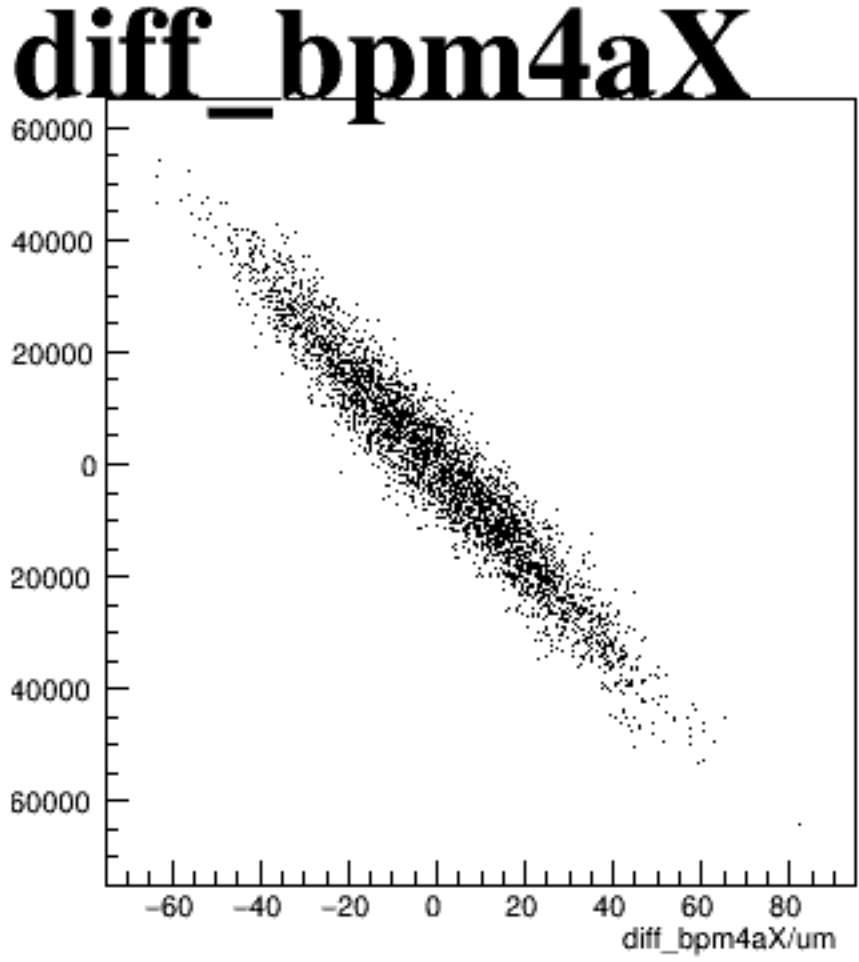
reg_asym_sam6



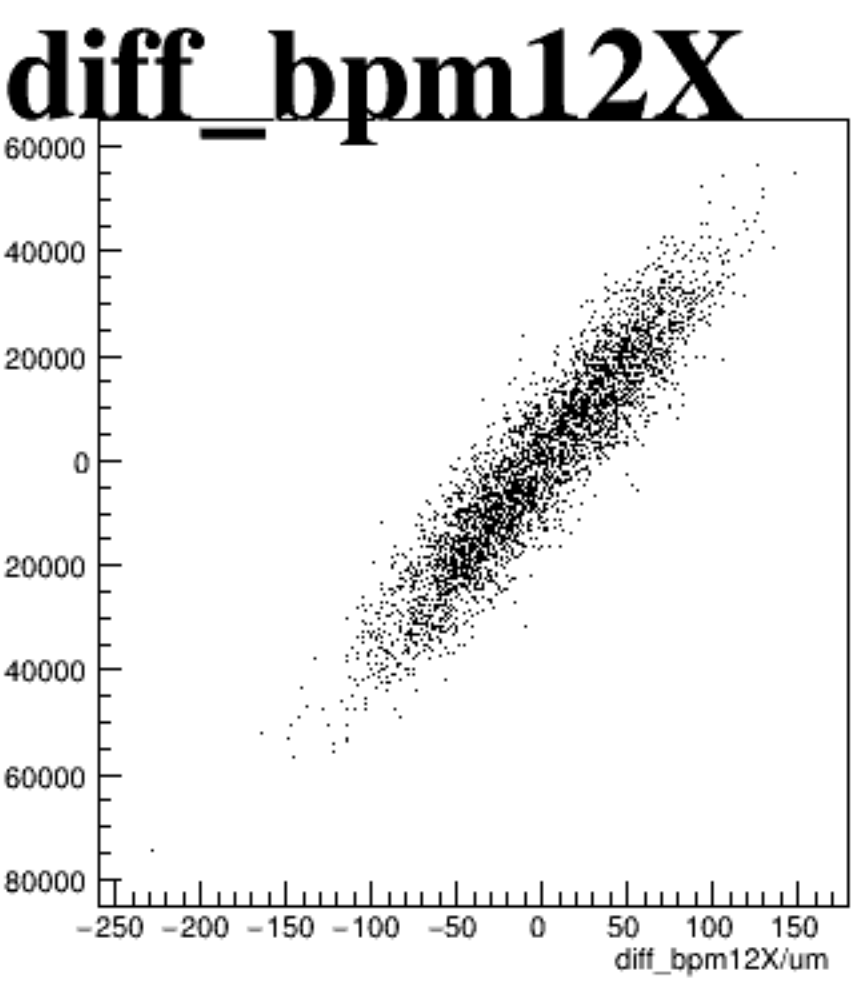
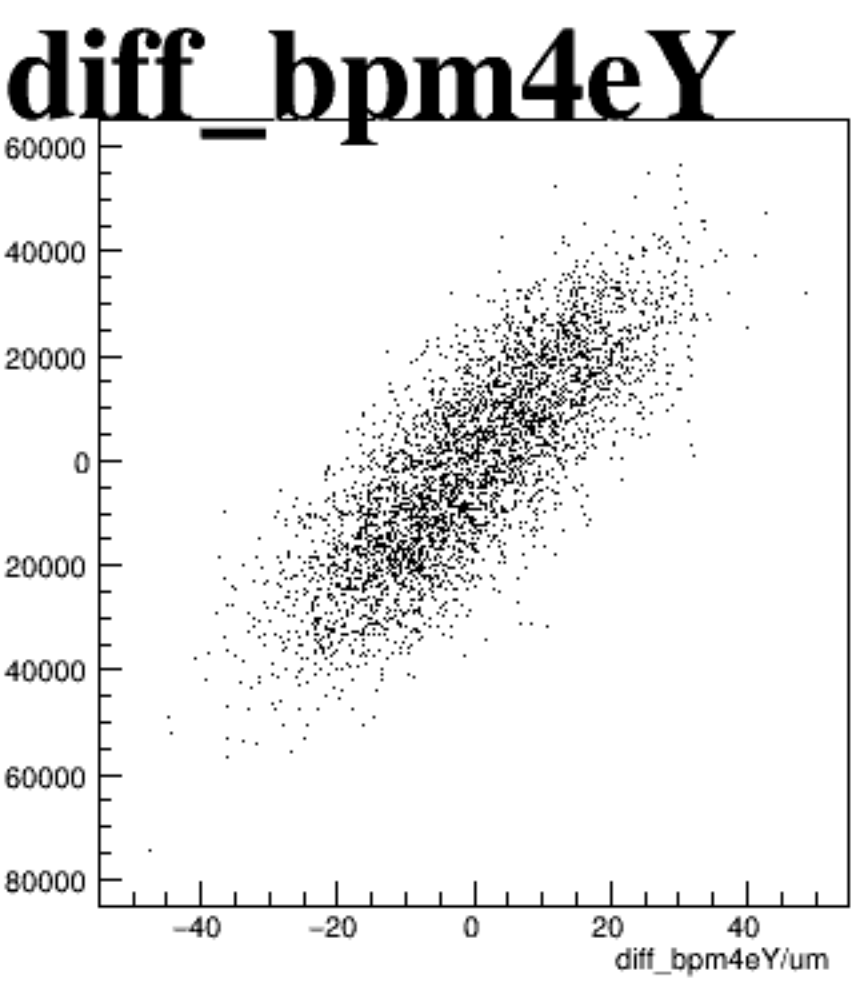
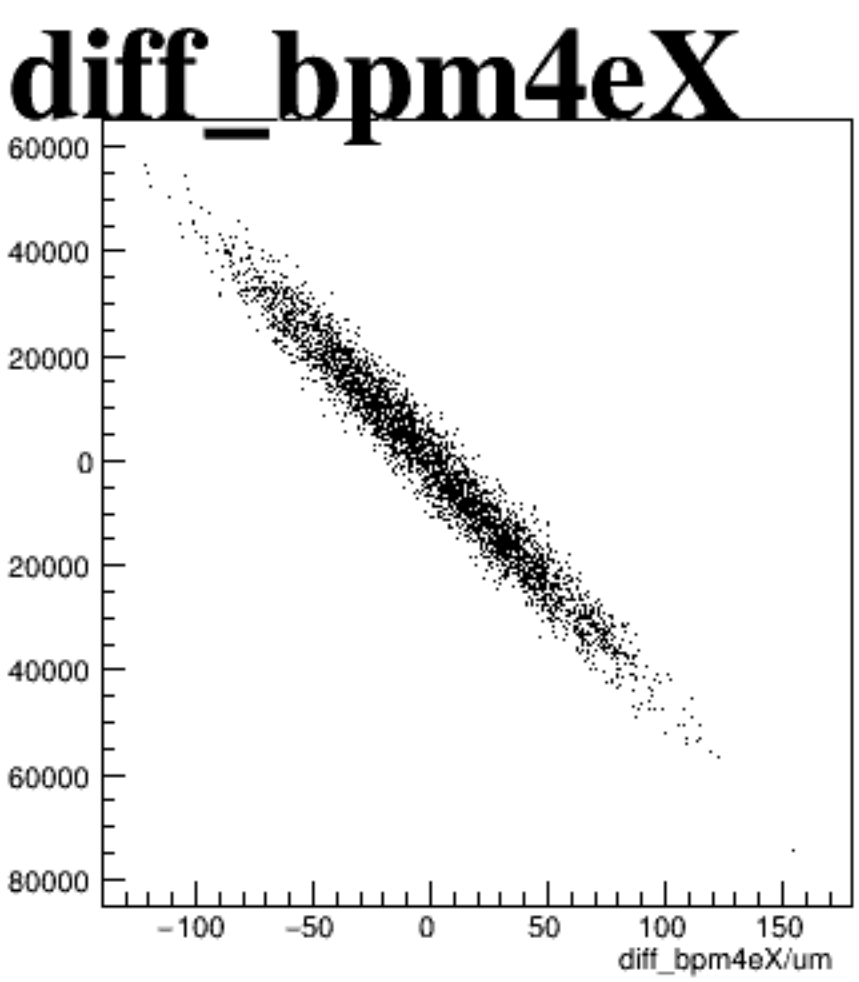
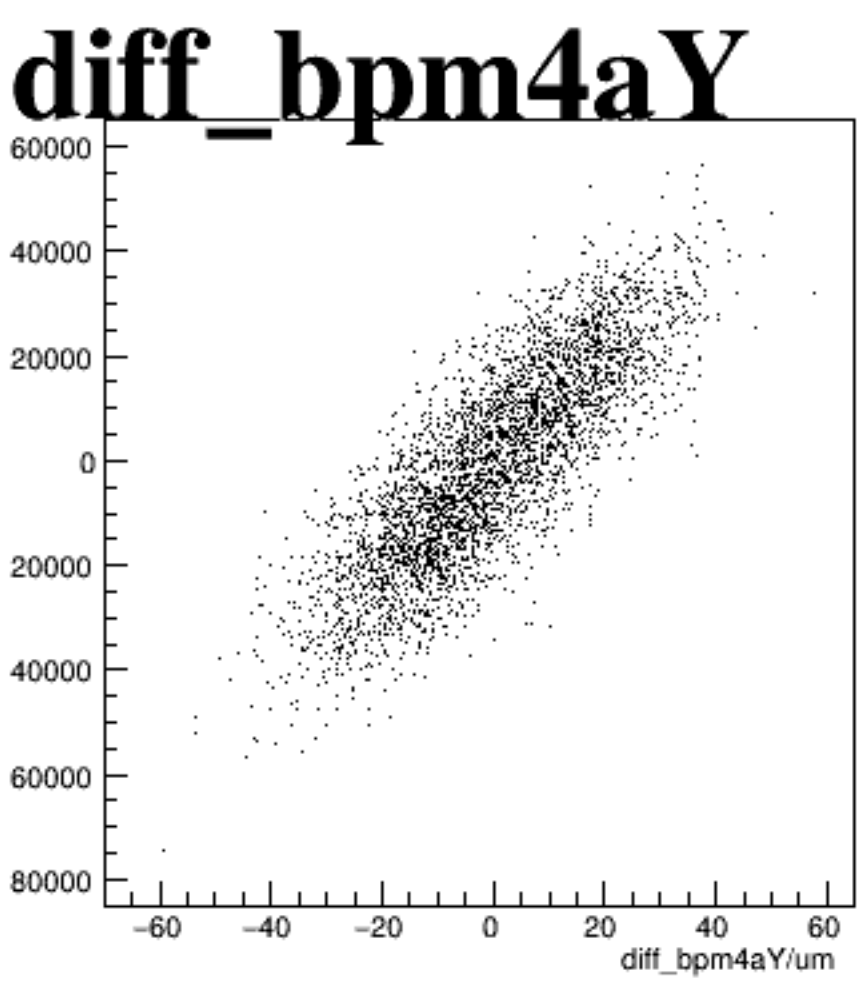
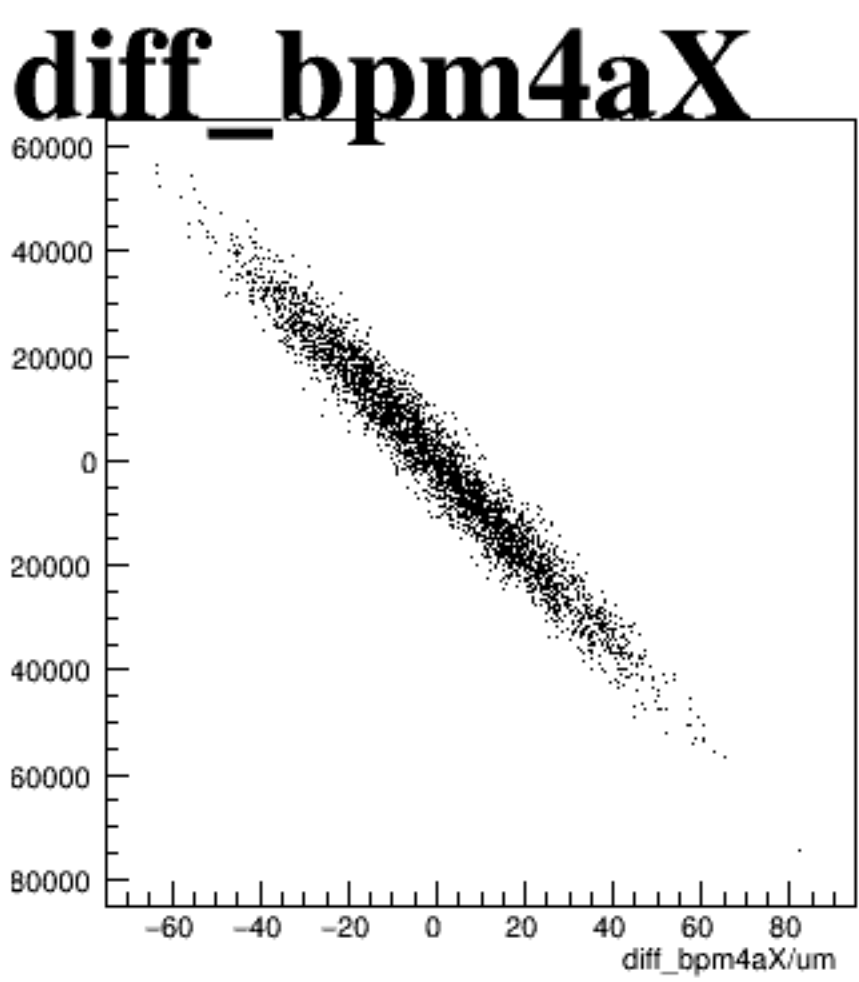
reg_asym_sam8



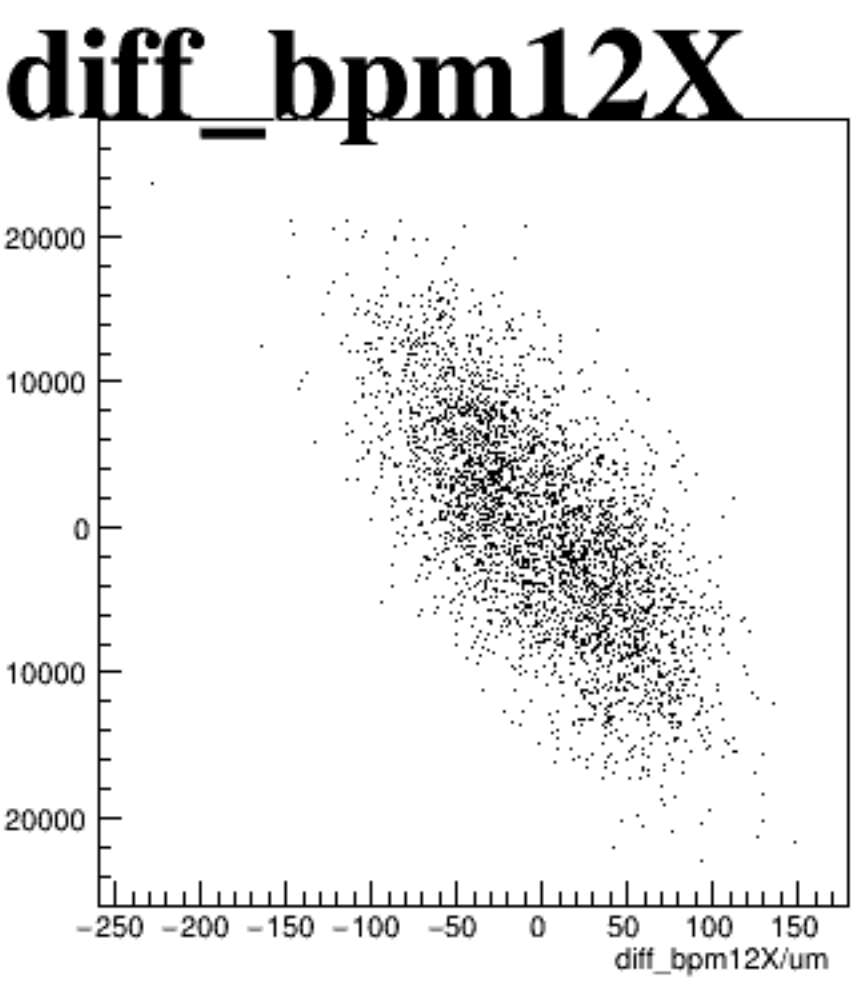
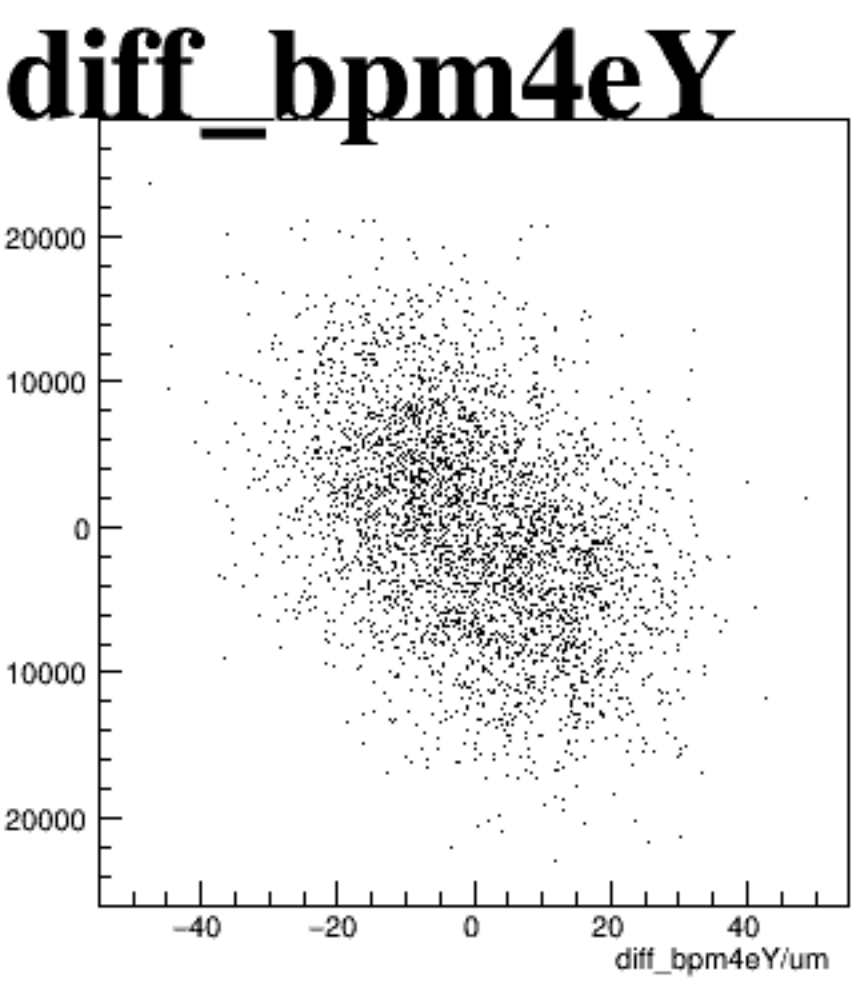
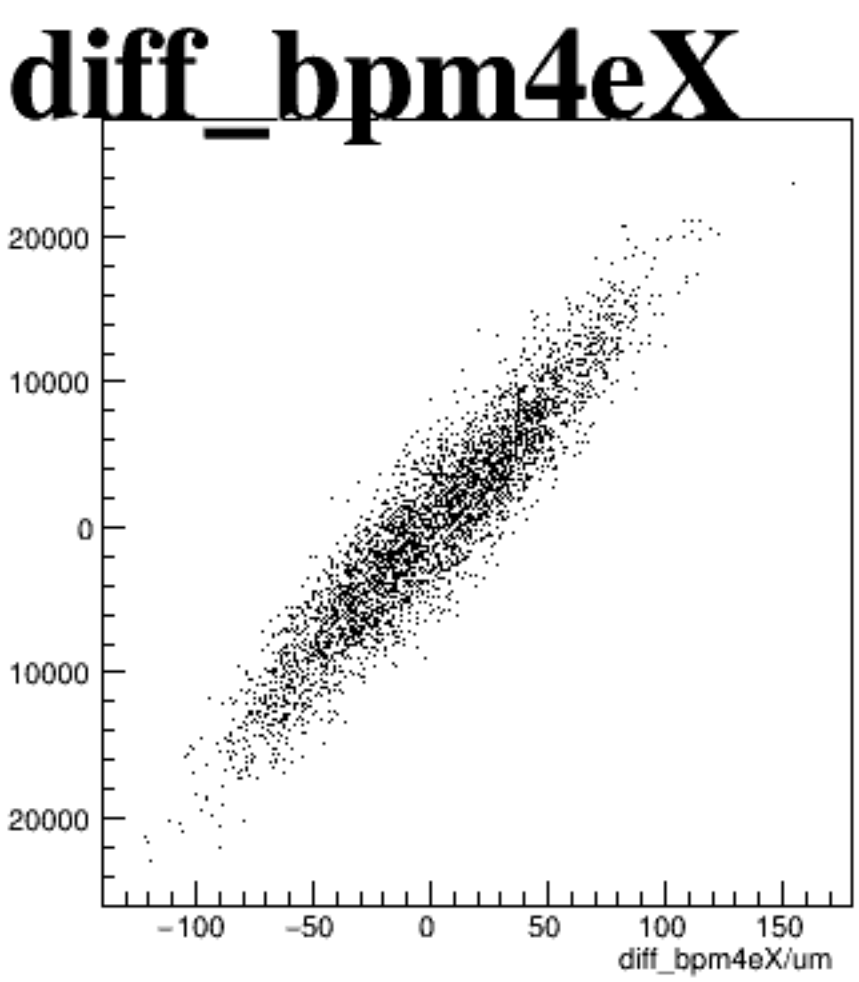
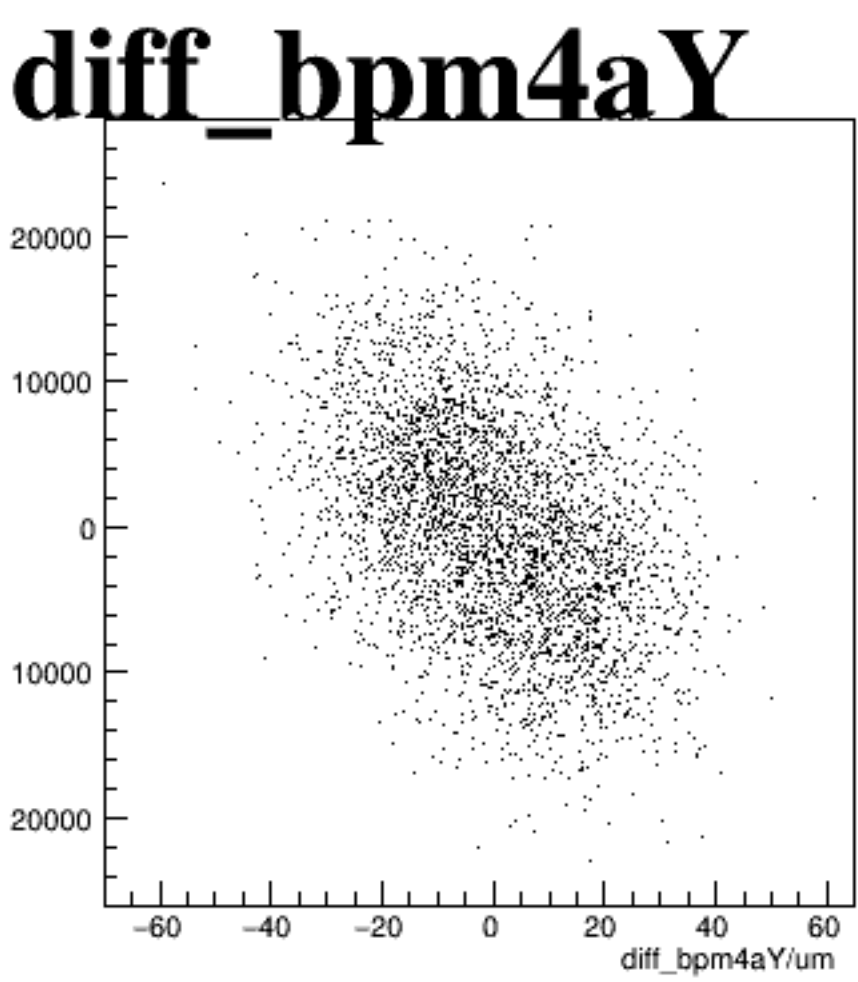
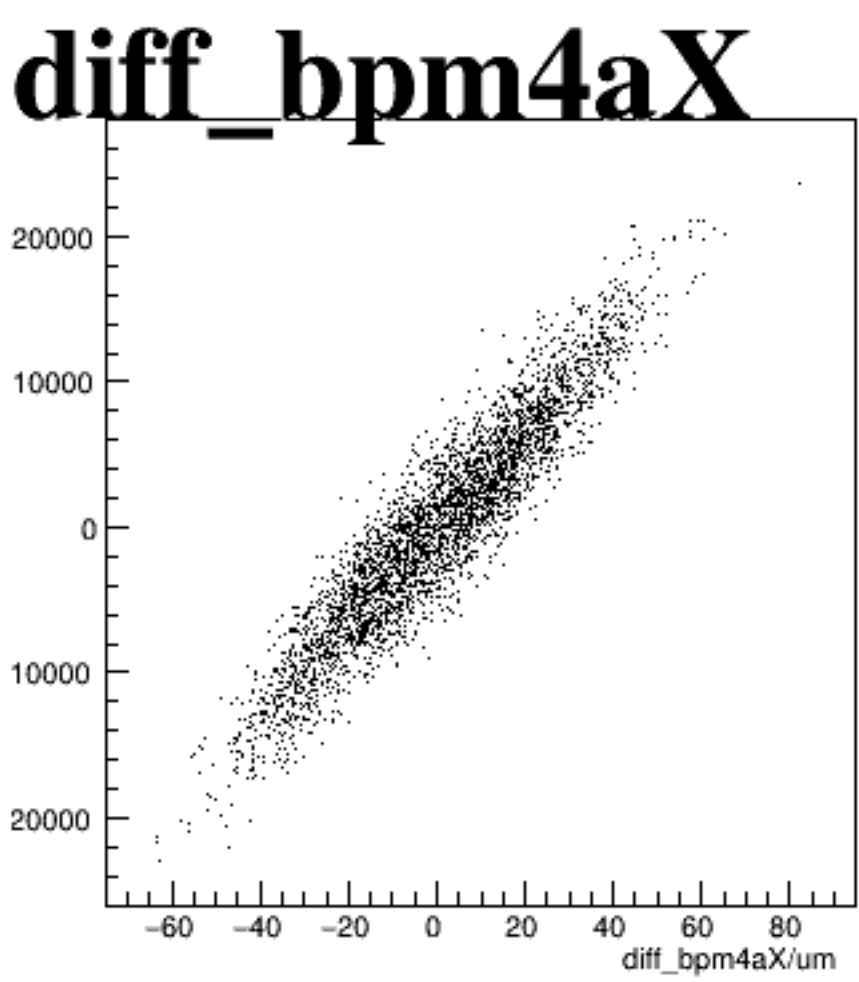
asym_sam2



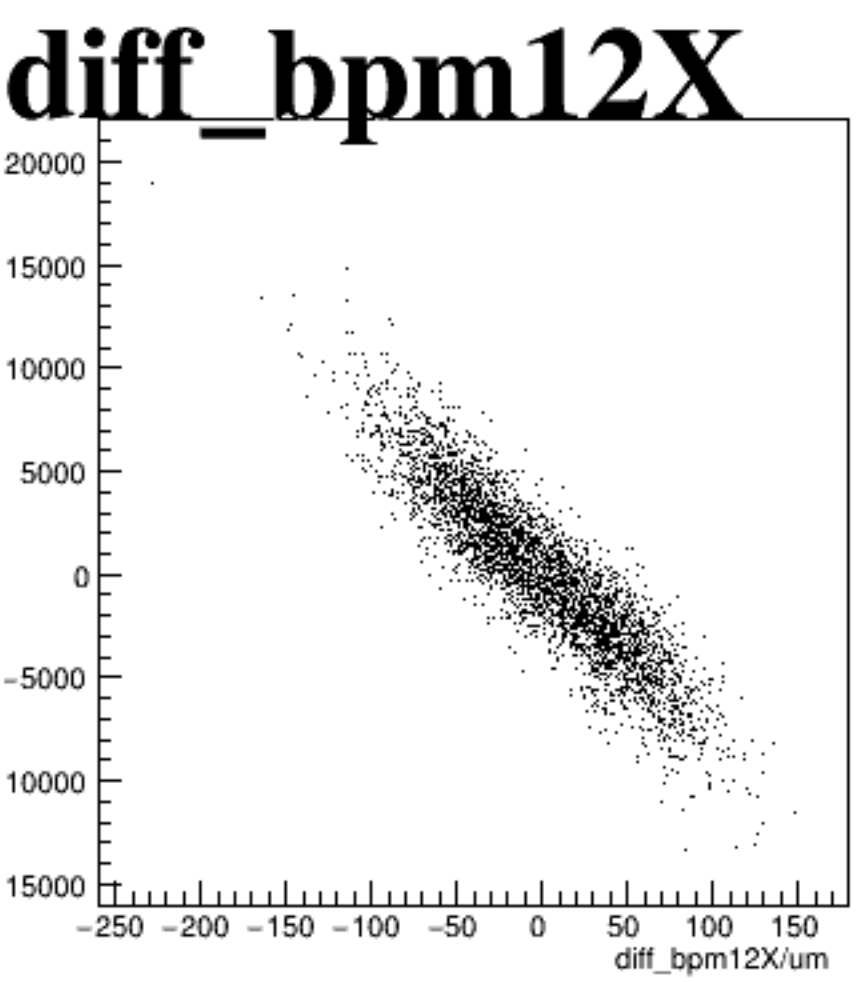
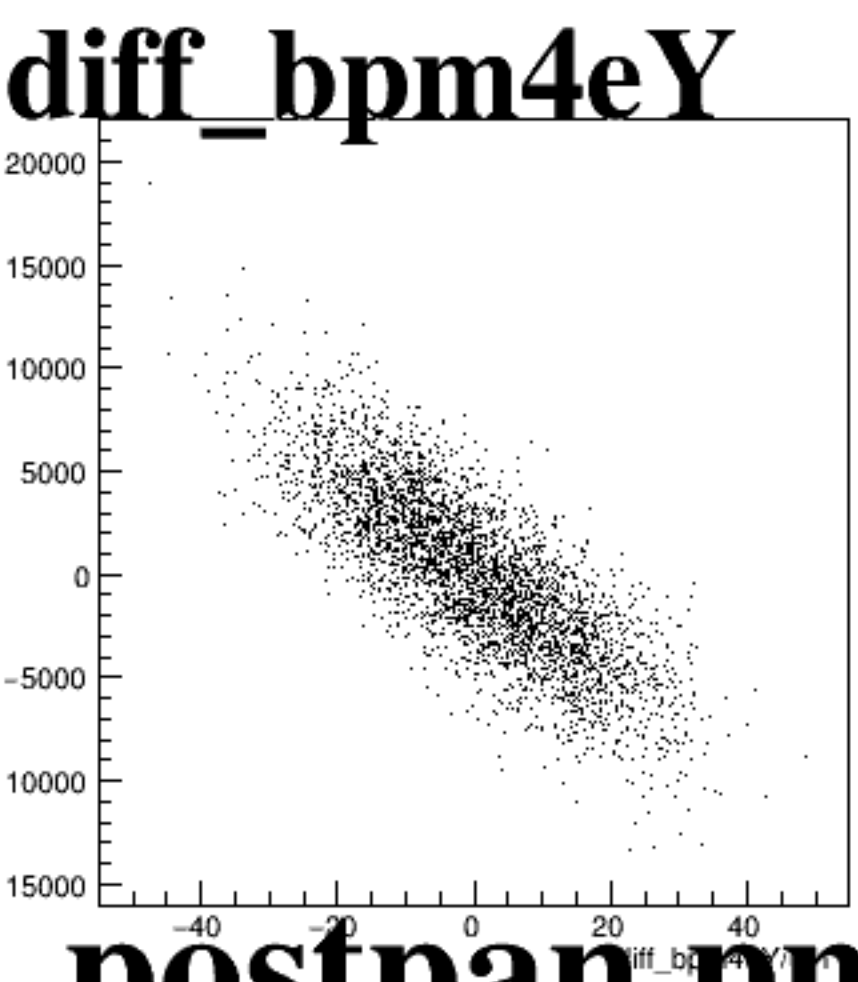
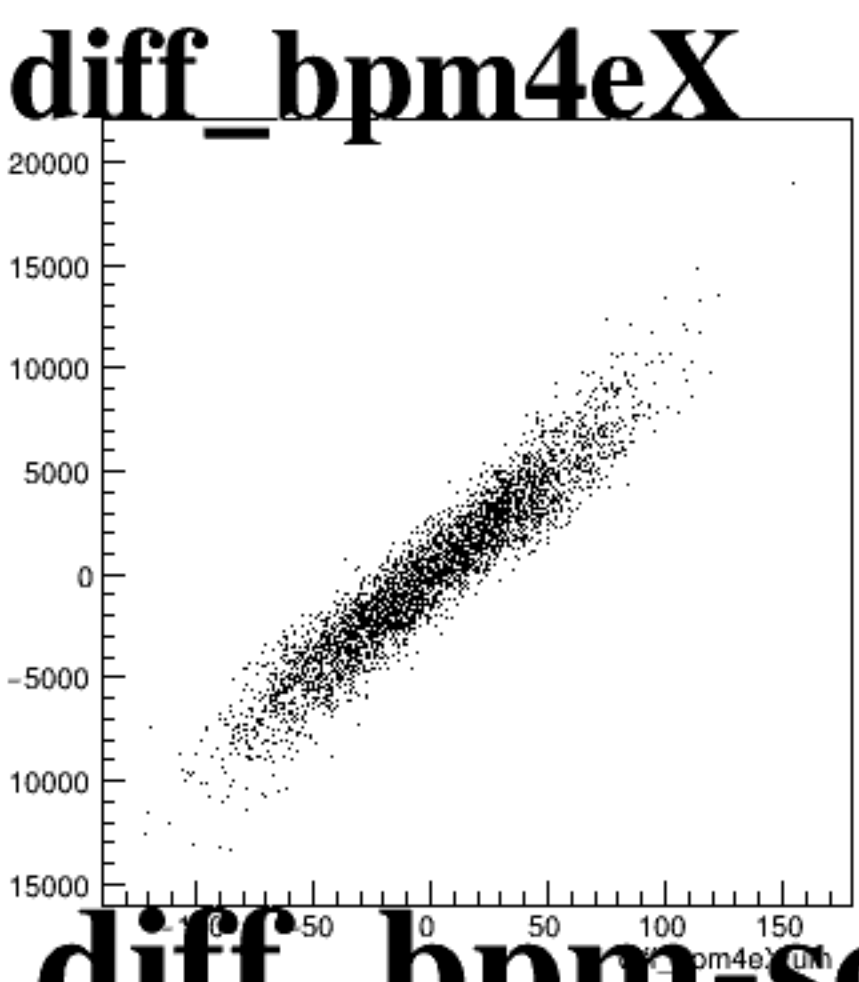
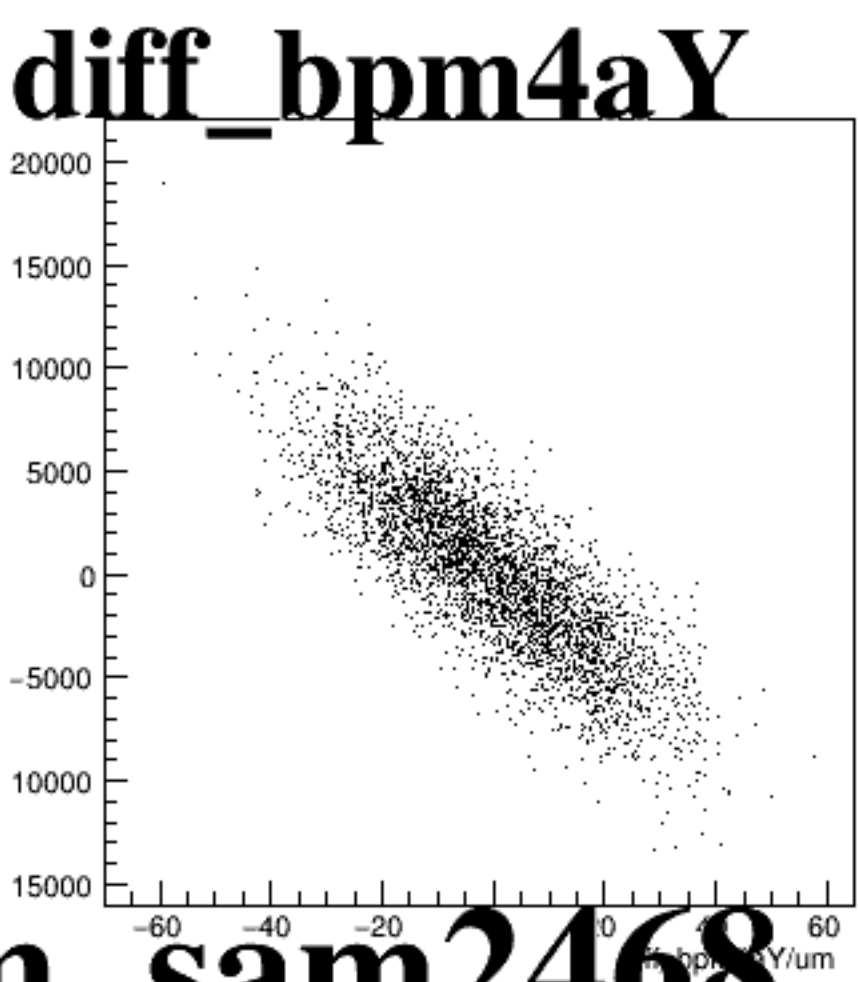
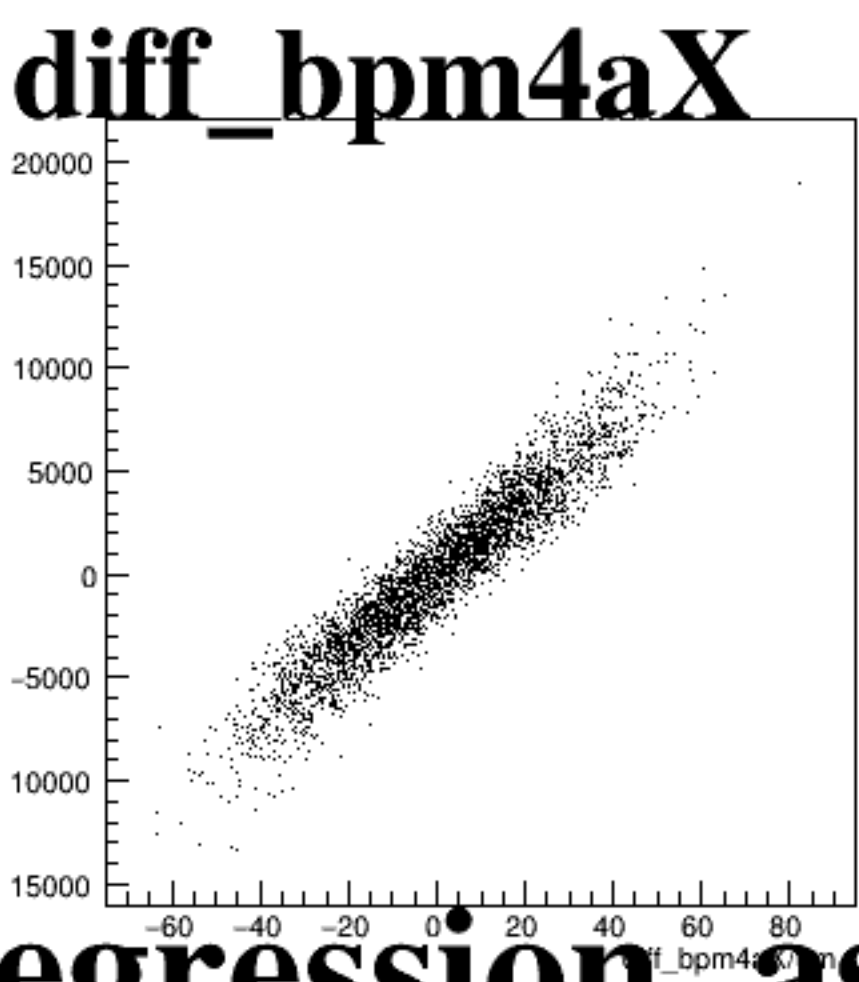
asym_sam4



asym_sam6



asym_sam8



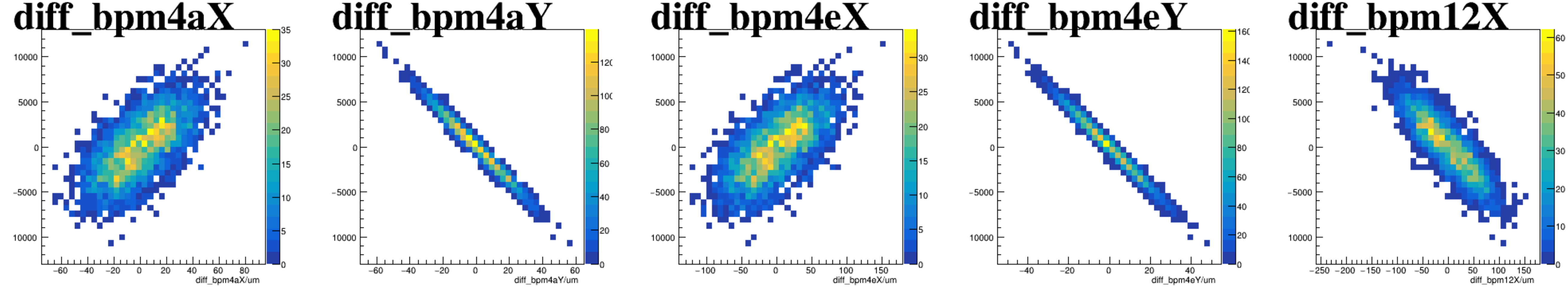
The figure displays five scatter plots, each representing the difference in BPM (diff_bpm) for a specific beam parameter. The plots are arranged horizontally and labeled as follows:

- diff_bpm4aX**: The x-axis ranges from -60 to 80, and the y-axis ranges from -6000 to 8000.
- diff_bpm4aY**: The x-axis ranges from -60 to 60, and the y-axis ranges from -6000 to 8000.
- diff_bpm4eX**: The x-axis ranges from -100 to 150, and the y-axis ranges from -6000 to 8000.
- diff_bpm4eY**: The x-axis ranges from -40 to 40, and the y-axis ranges from -6000 to 8000.
- diff_bpm12X**: The x-axis ranges from -250 to 150, and the y-axis ranges from -6000 to 8000.

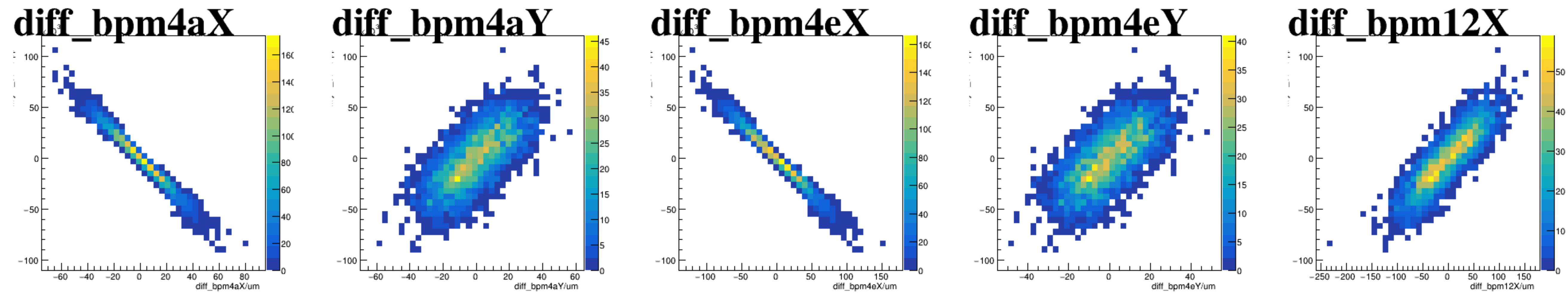
In all plots, the data points are densely clustered around the origin (0,0), indicating that the BPM values for the two configurations are very similar for most parameters. The spread of the data points is largest for the x-axis parameters (X) and smallest for the y-axis parameters (Y).

The figure displays five scatter plots, each representing the difference in BPM (diff_bpm) for a specific beam parameter. The plots are arranged horizontally. Each plot has a y-axis labeled 'diff_bpm' and an x-axis labeled 'diff_bpm' (with a unit 'um' at the end of the label). The y-axis for all plots ranges from -4000 to 3000. The x-axis ranges vary: the first four plots (diff_bpm4aX, diff_bpm4aY, diff_bpm4eX, diff_bpm4eY) have x-axes ranging from -60 to 60, while the fifth plot (diff_bpm12X) has an x-axis ranging from -250 to 150. All plots show a dense, roughly circular cloud of points centered at the origin (0,0), indicating that the difference in BPM is small and randomly distributed across the range of the x-axis parameter.

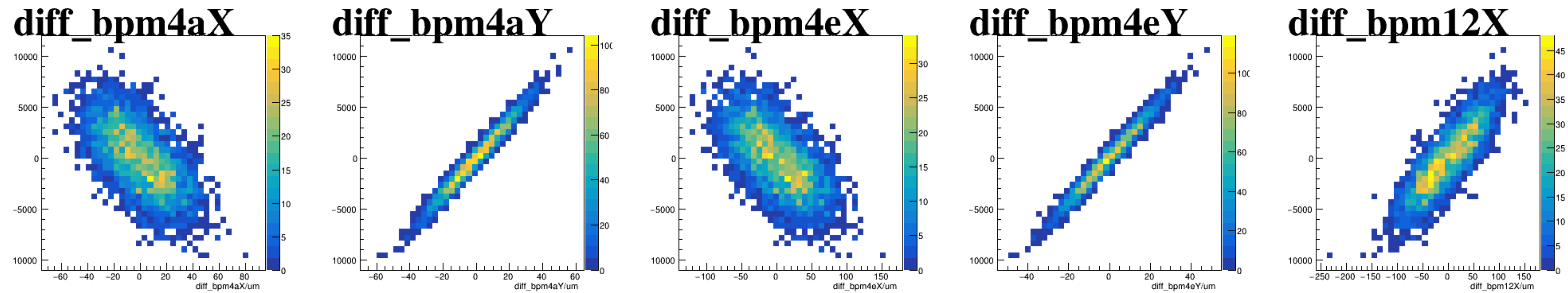
asym_sam1



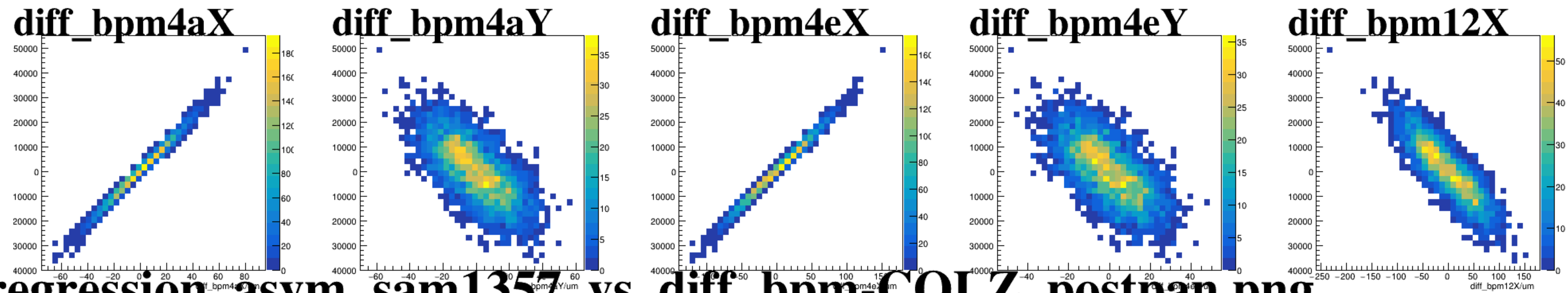
asym_sam3



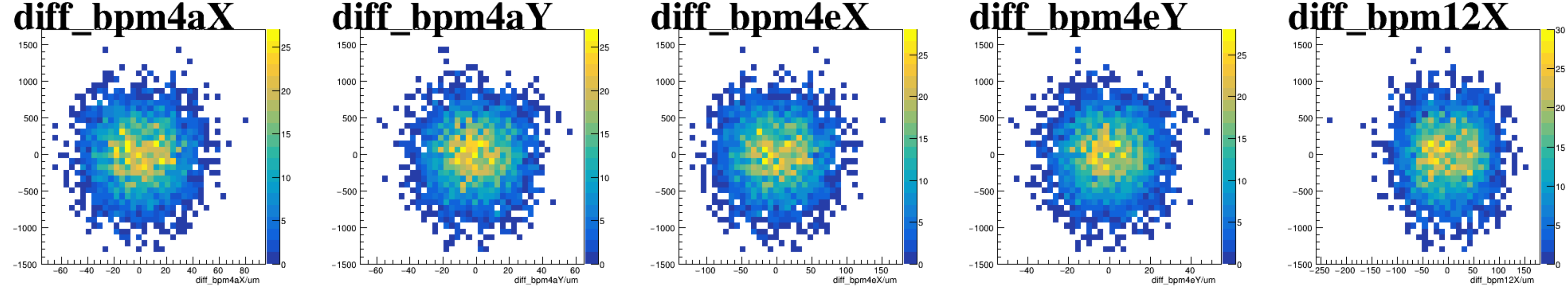
asym_sam5



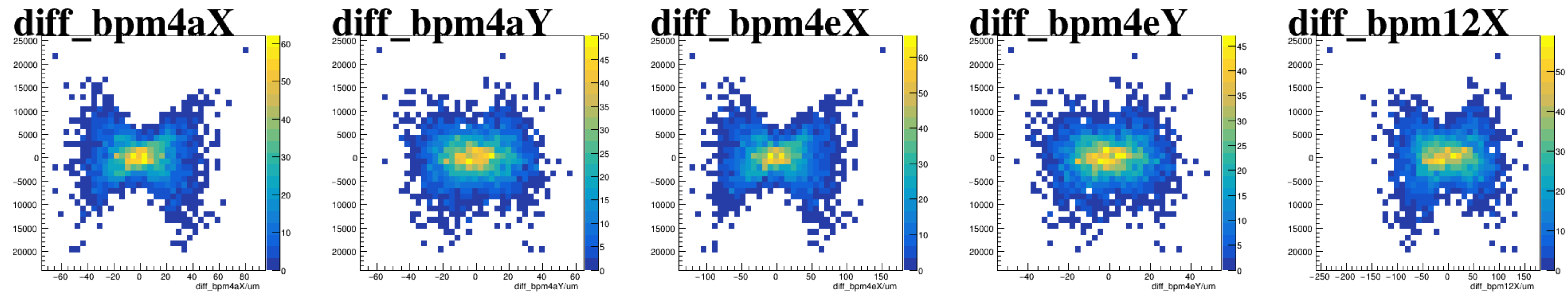
asym_sam7



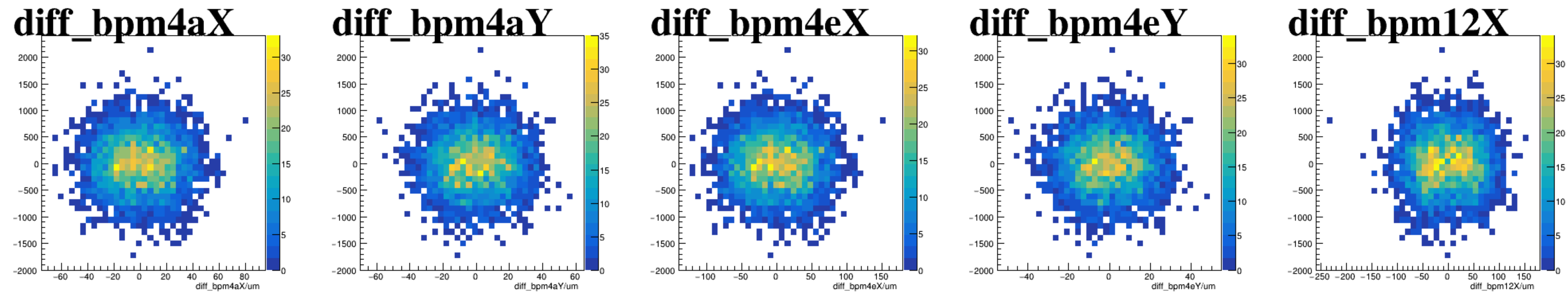
reg_asym_sam1



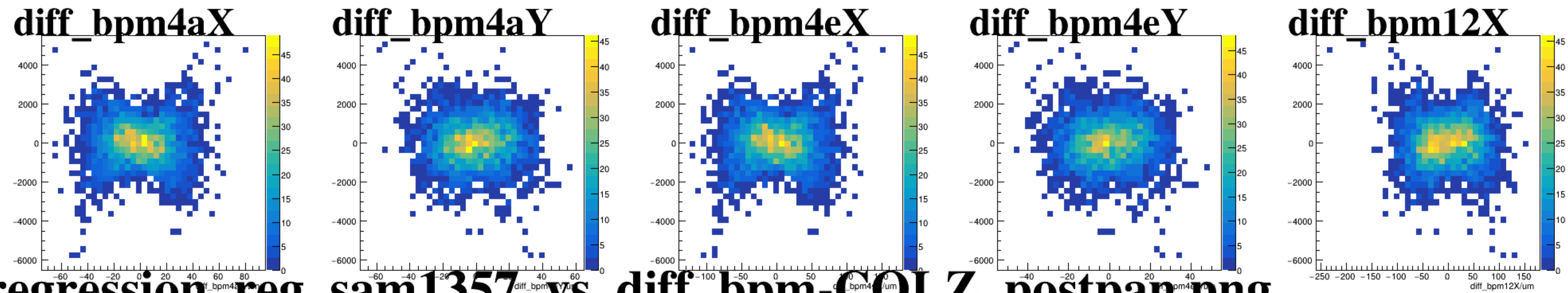
reg_asym_sam3



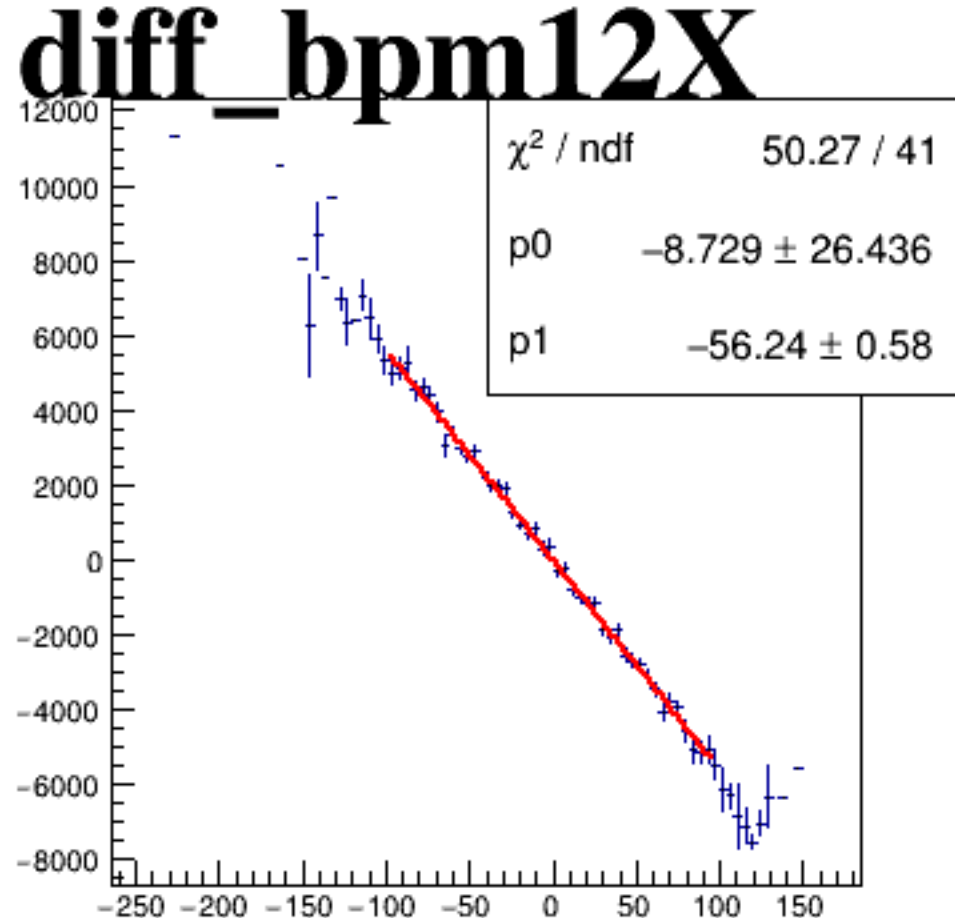
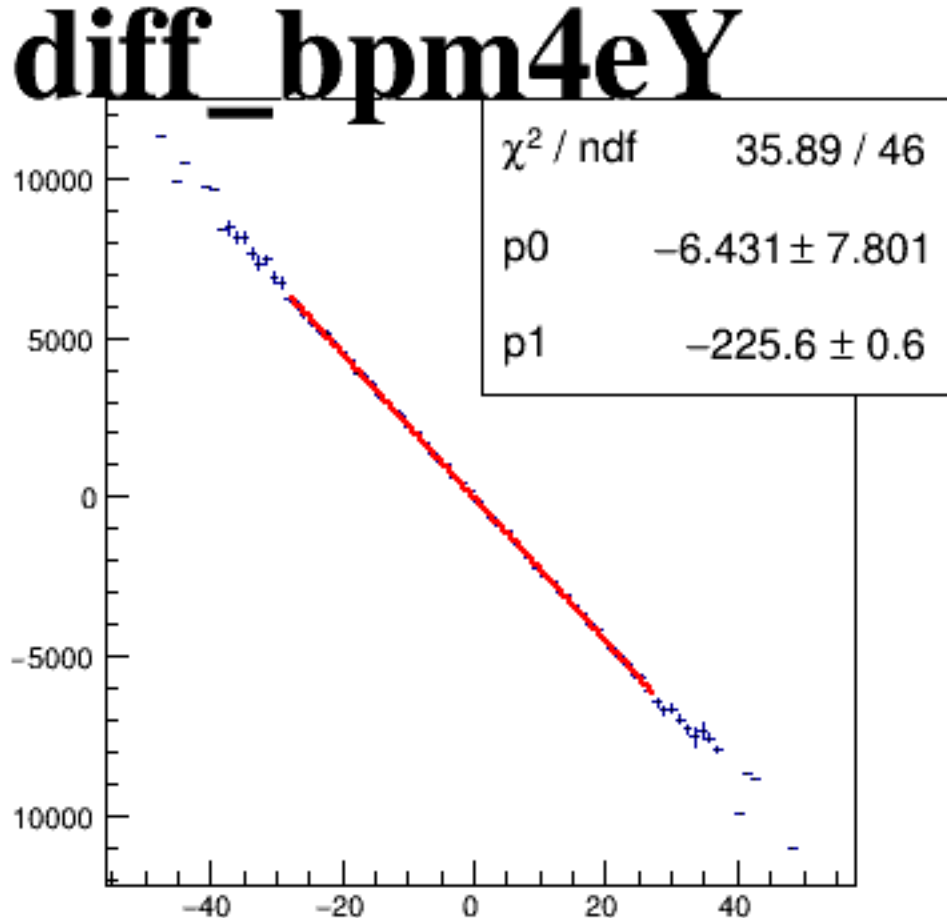
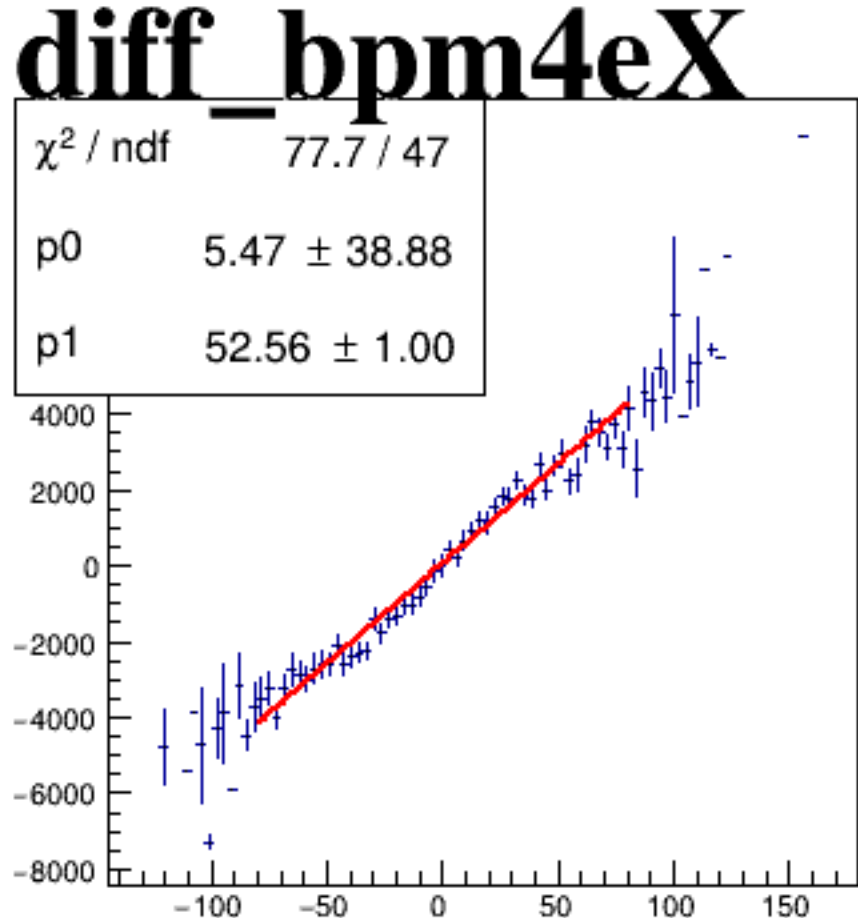
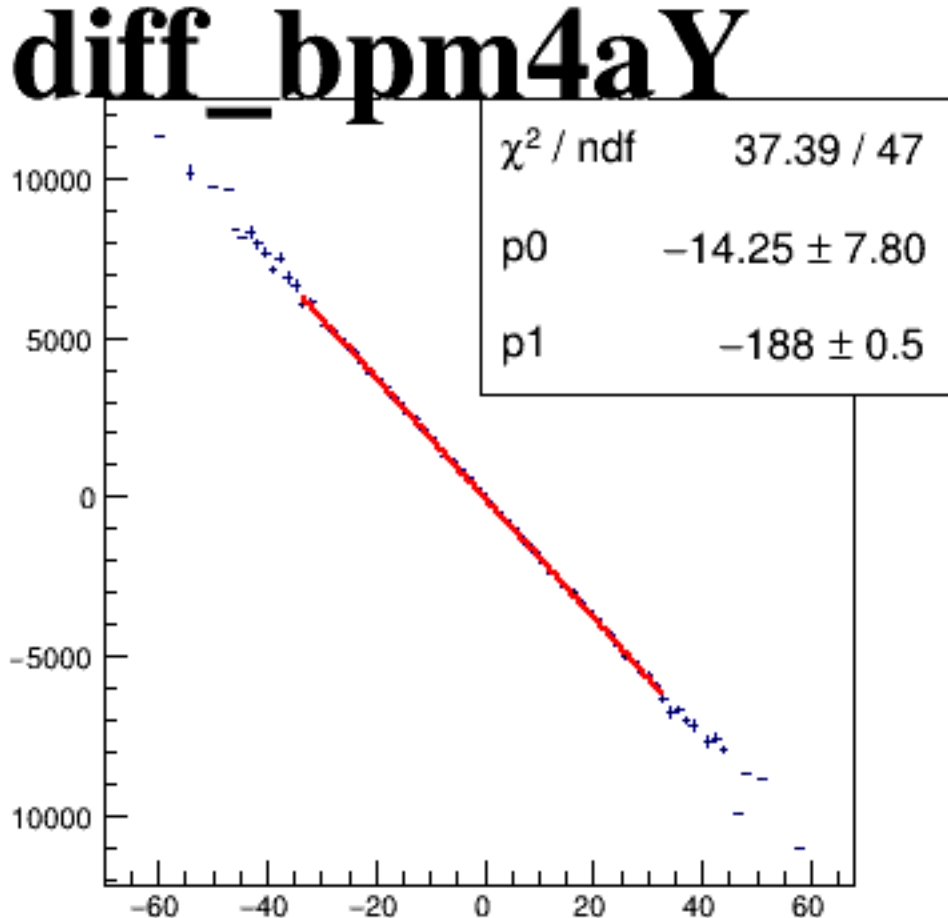
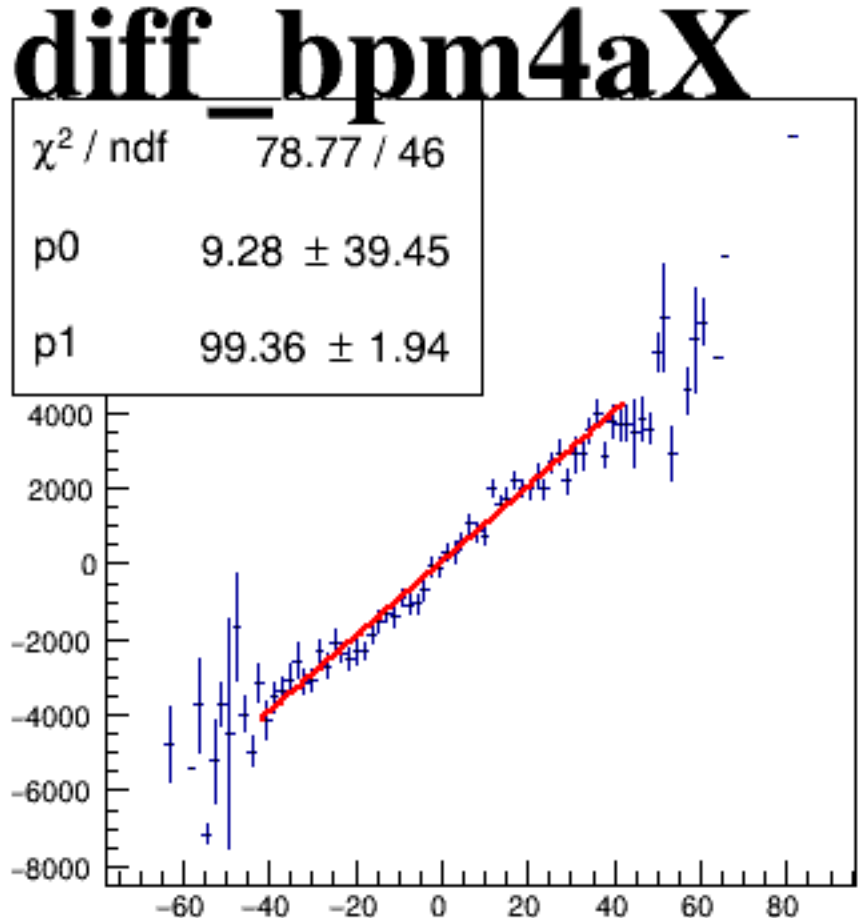
reg_asym_sam5



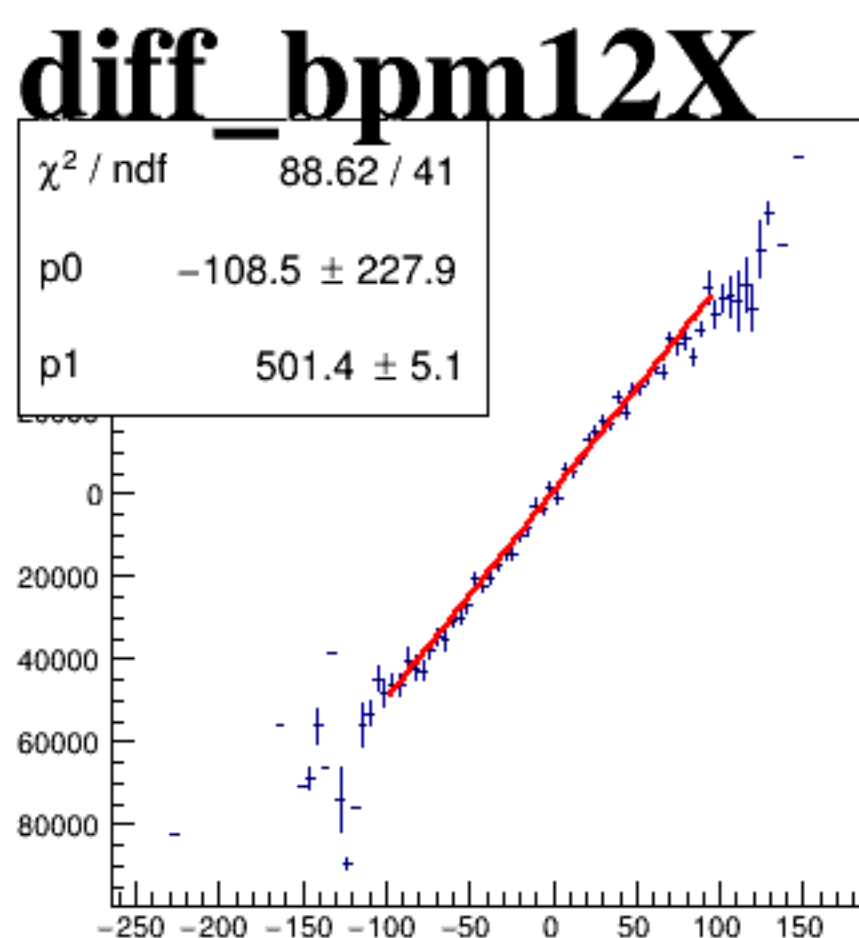
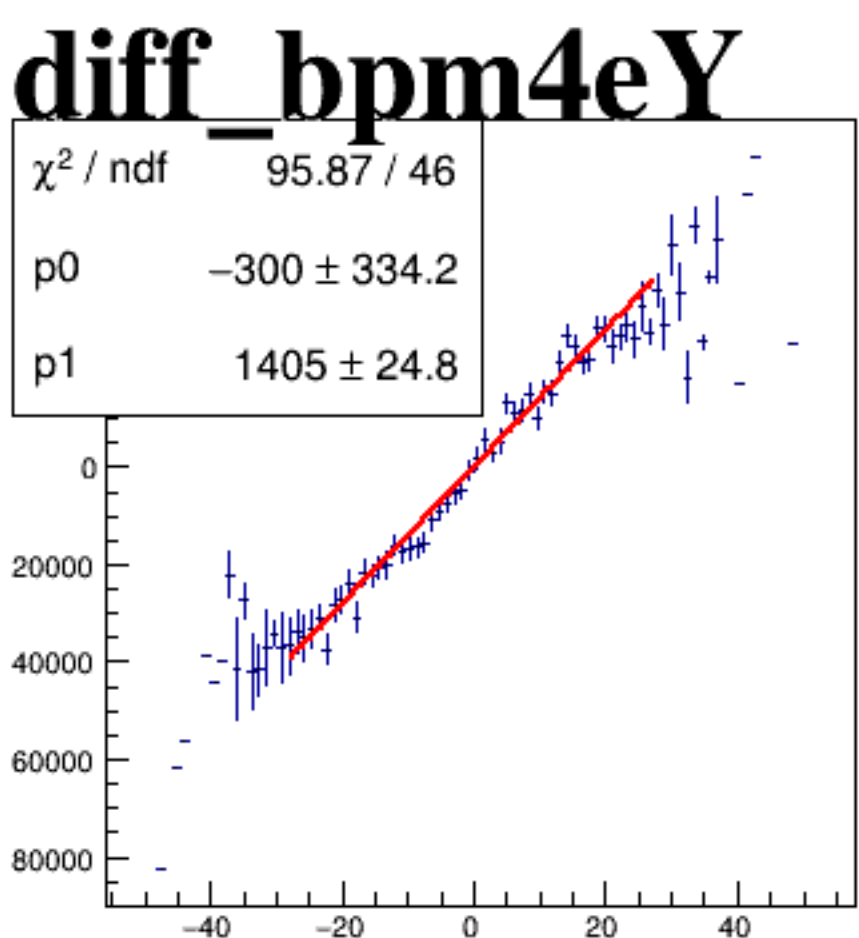
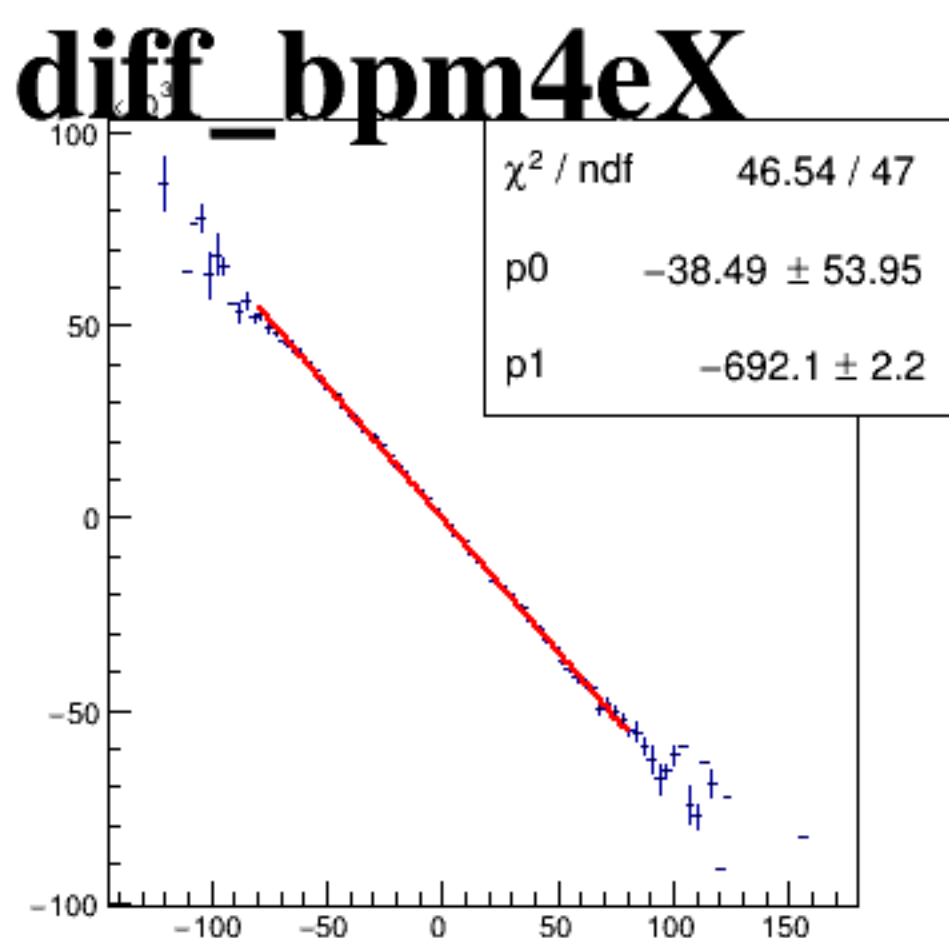
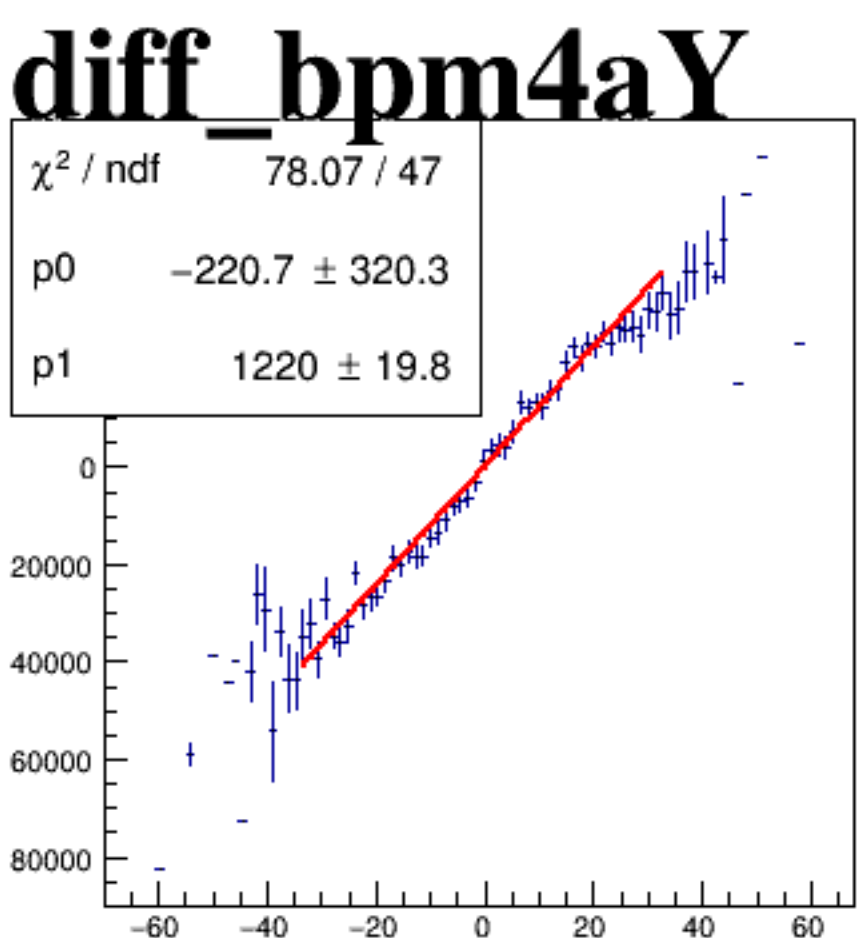
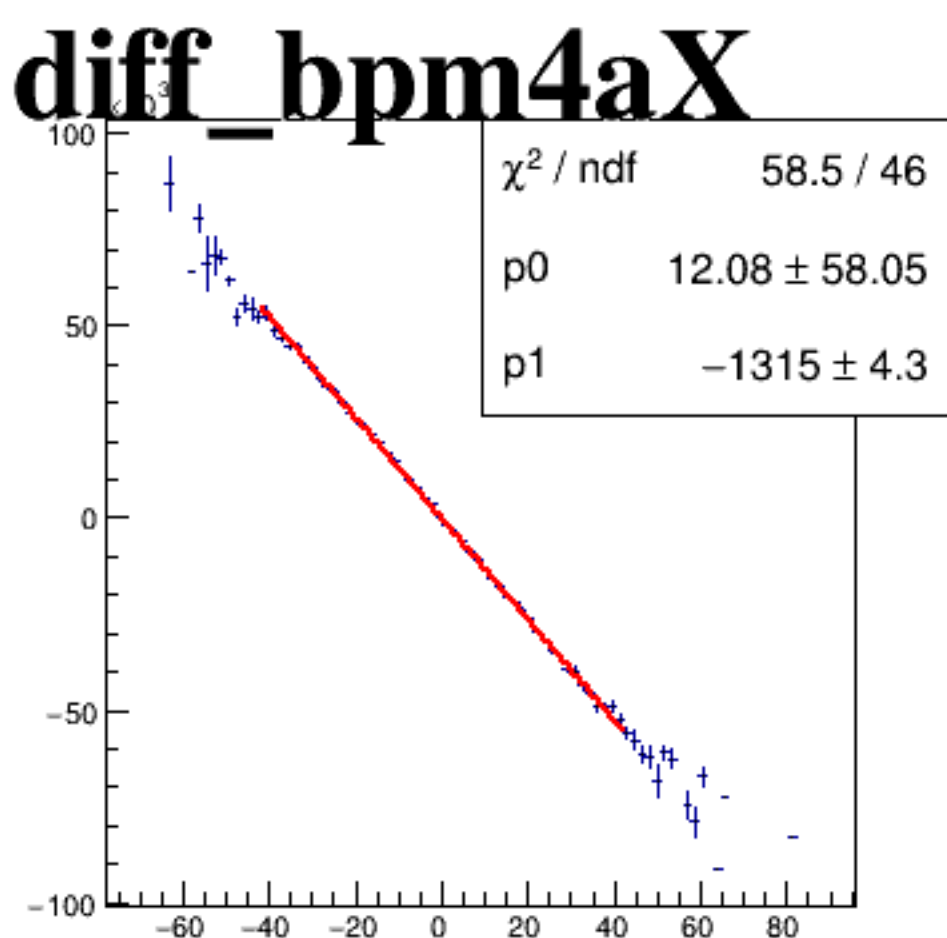
reg_asym_sam7



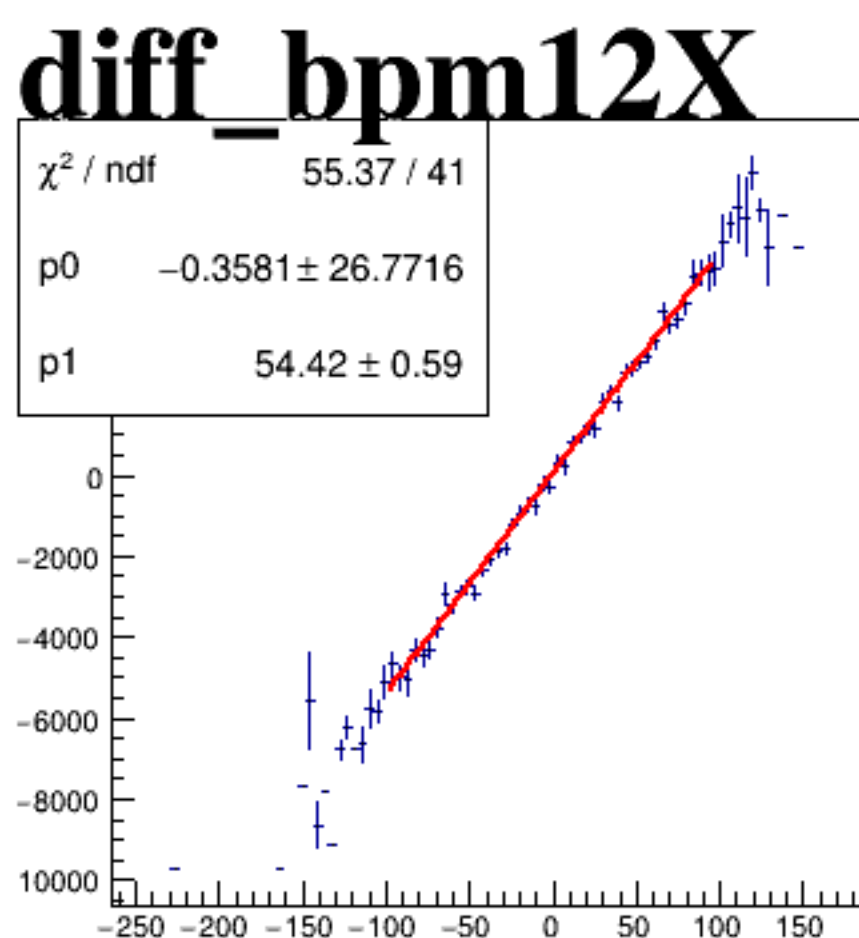
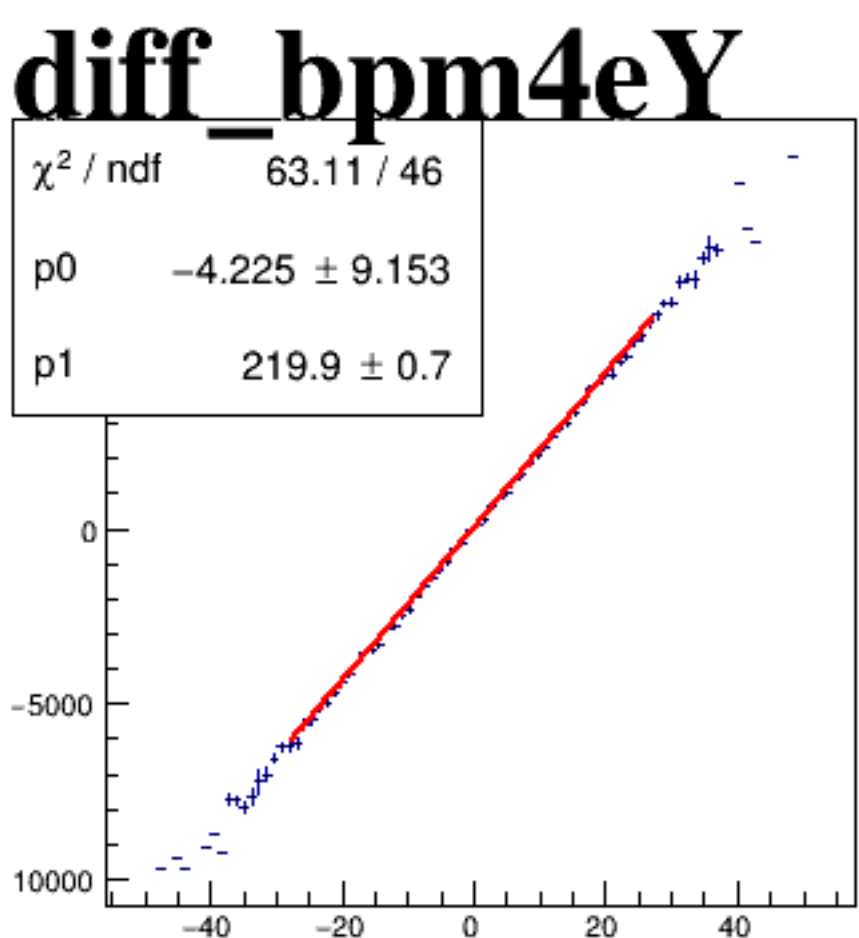
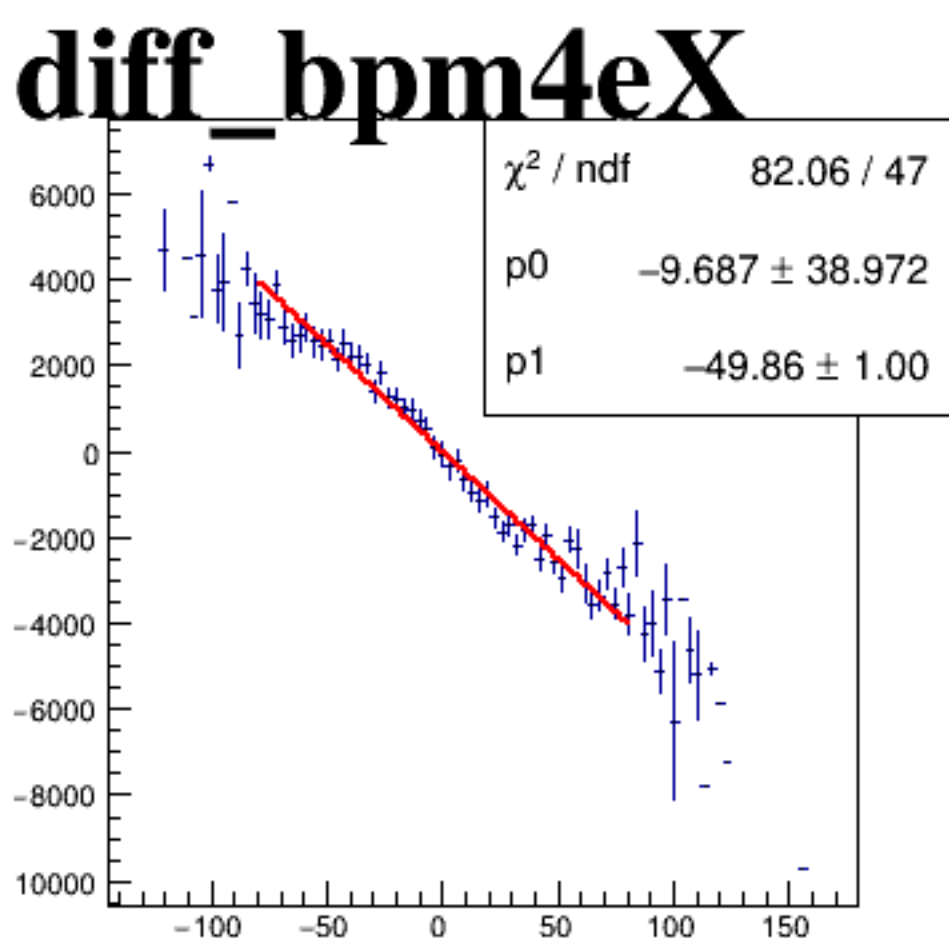
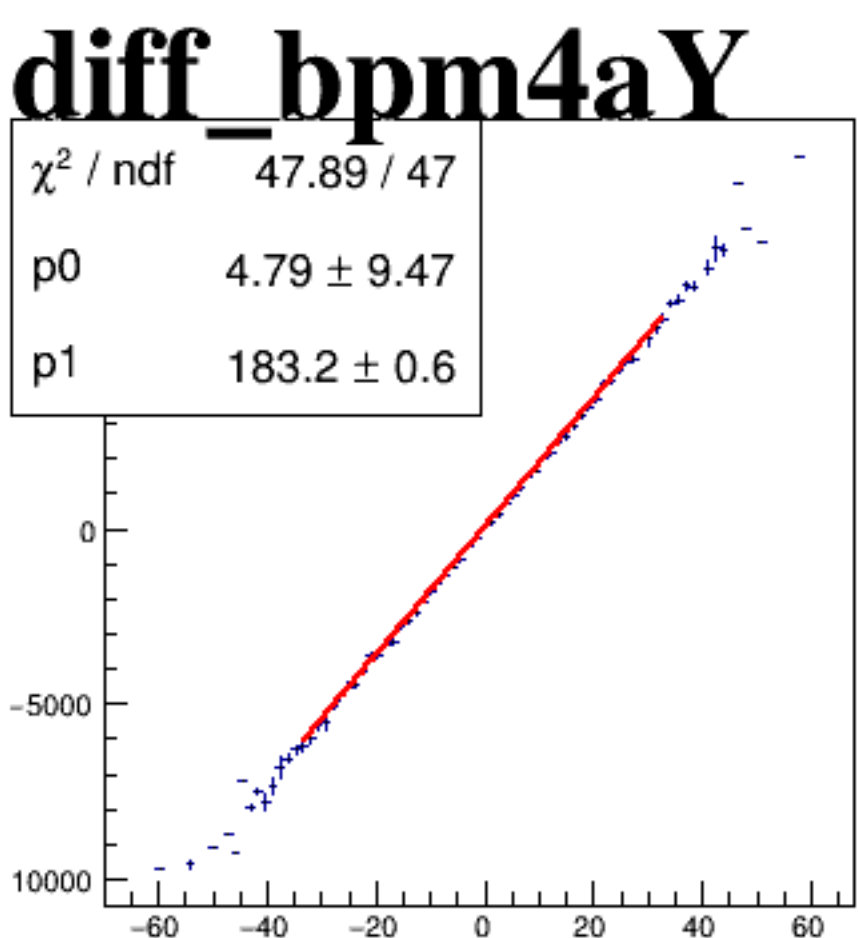
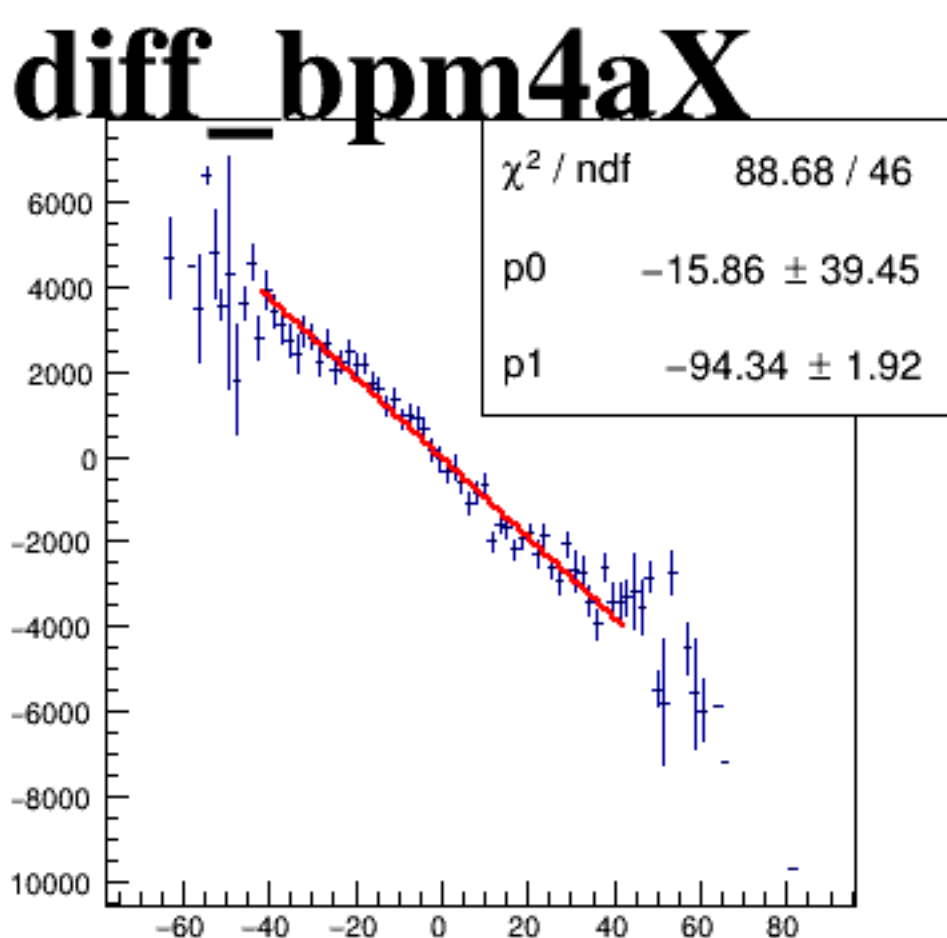
asym_sam1



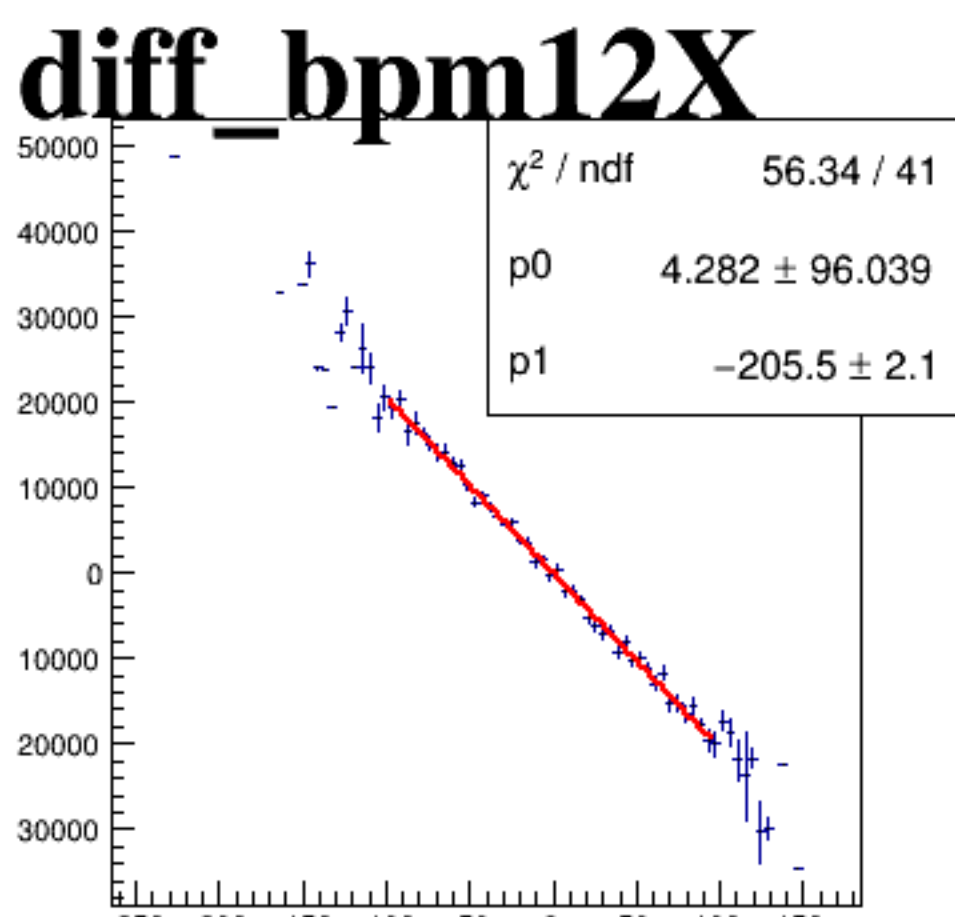
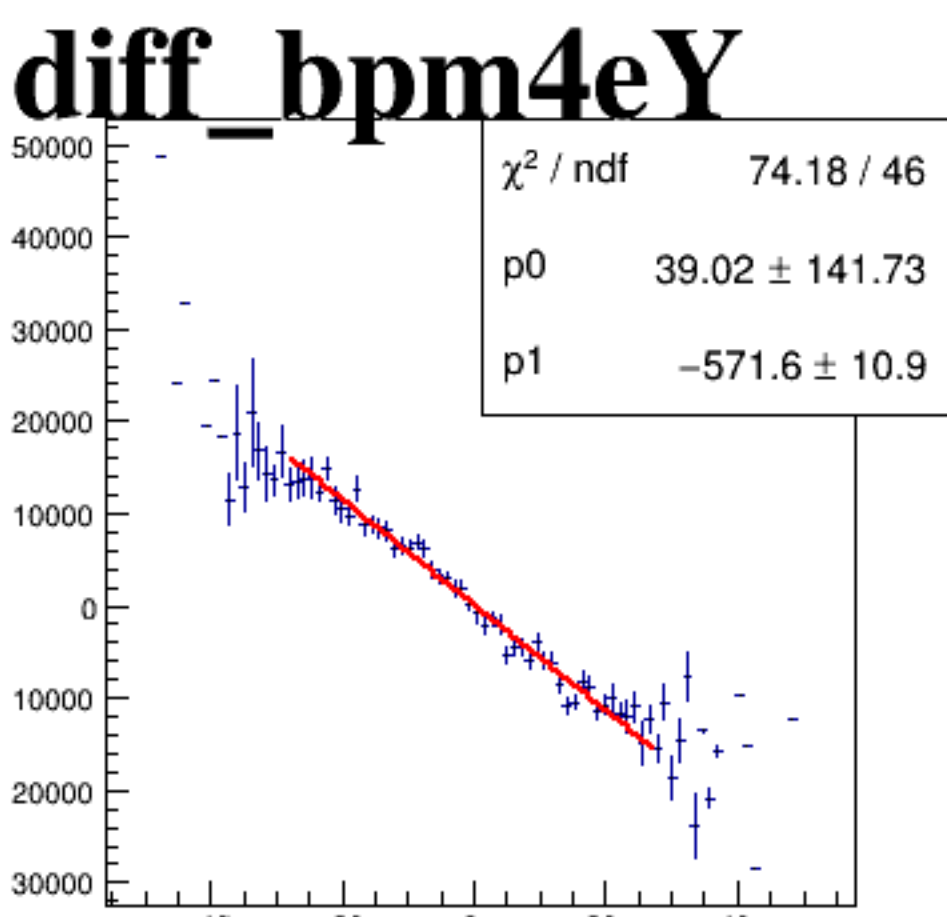
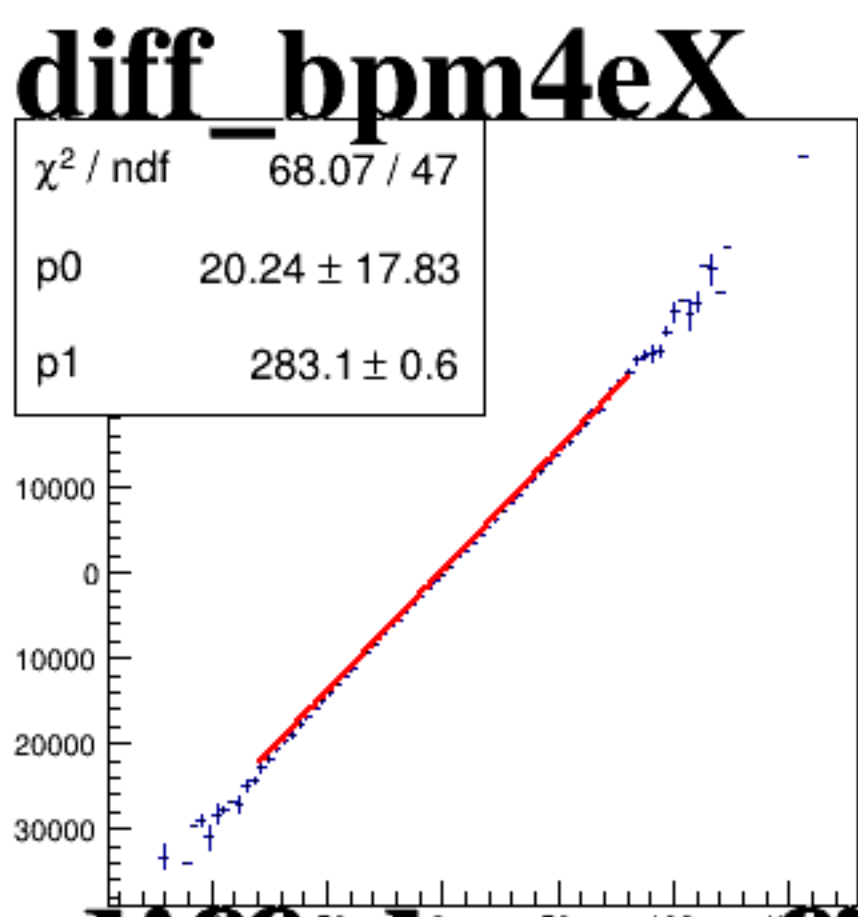
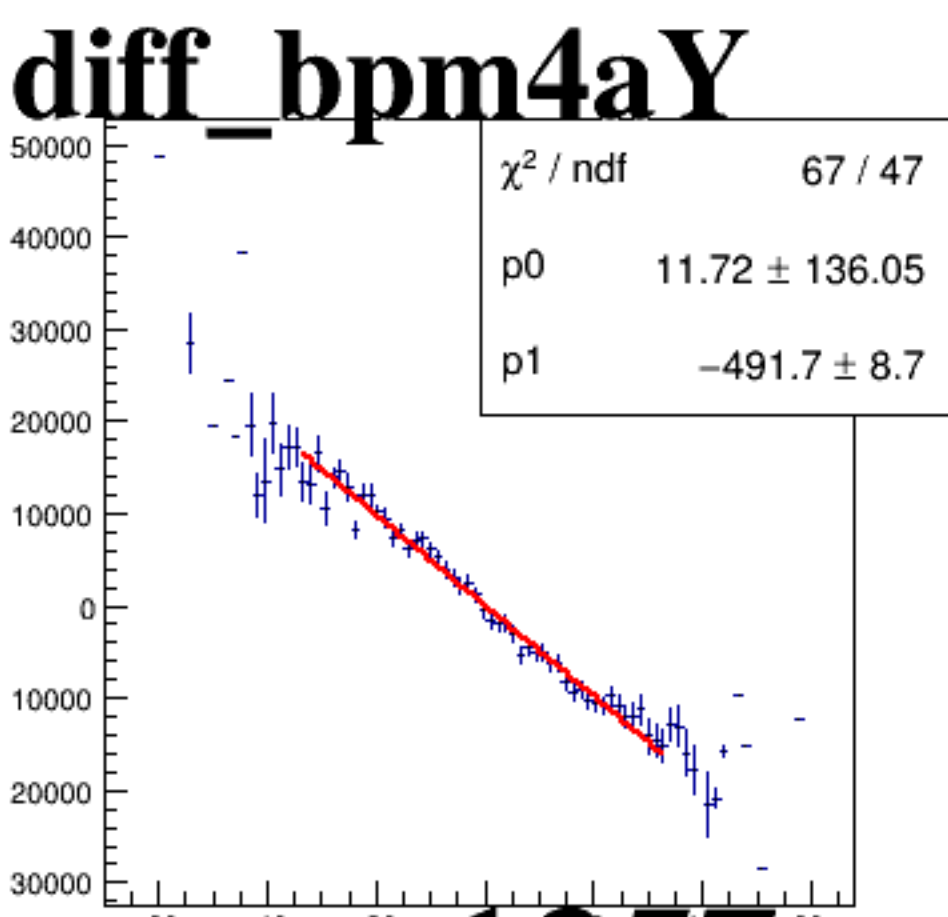
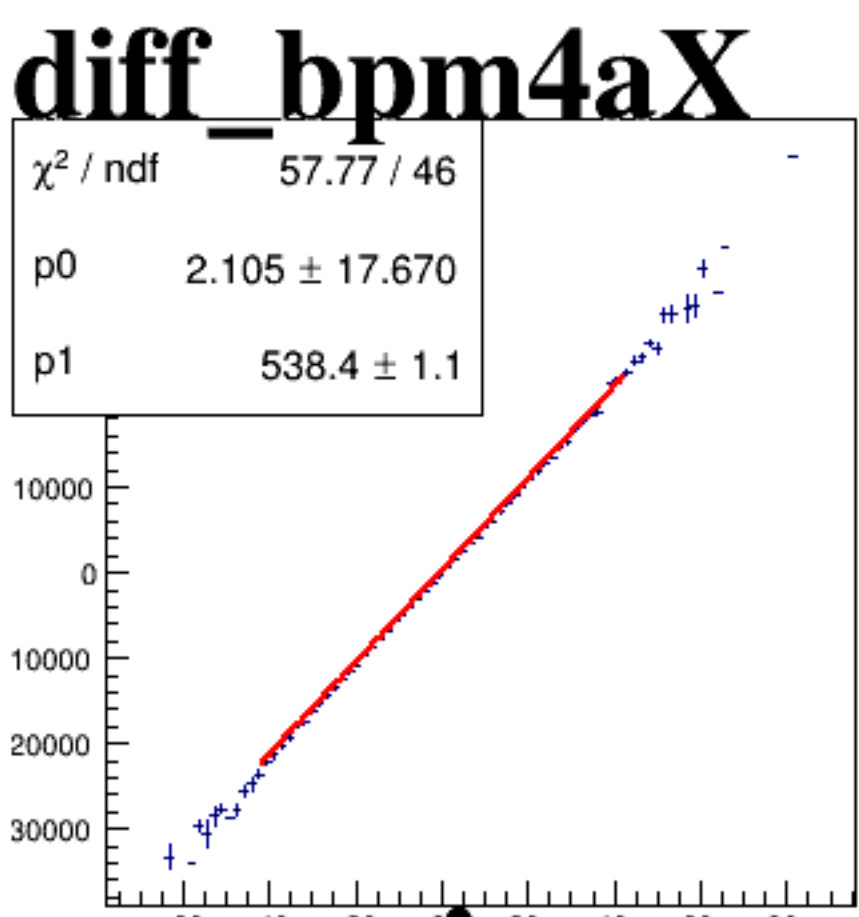
asym_sam3



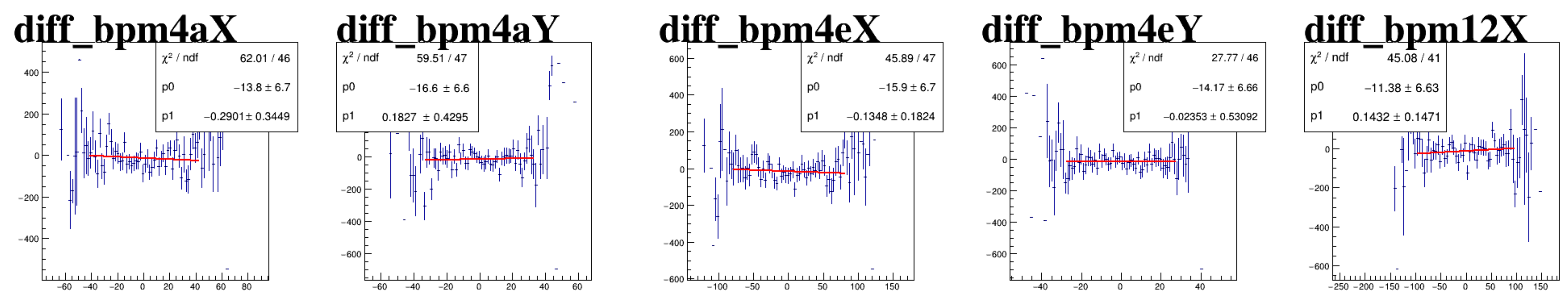
asym_sam5



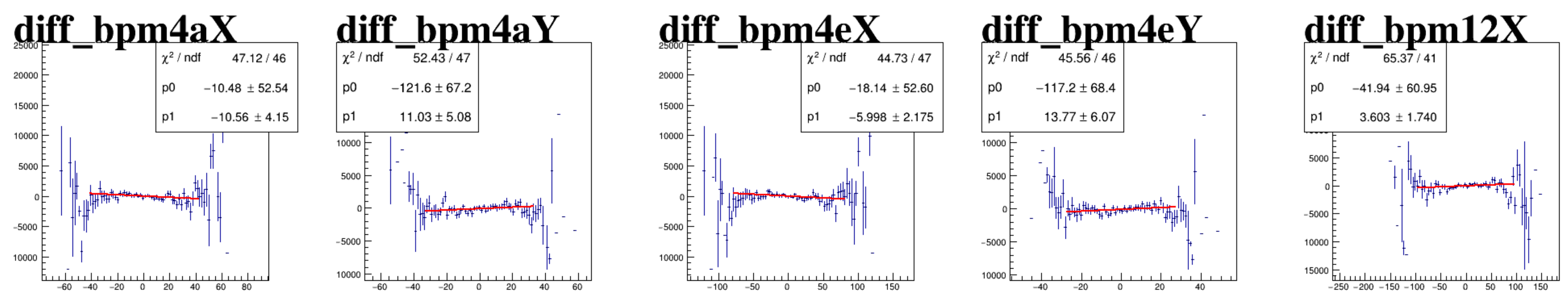
asym_sam7



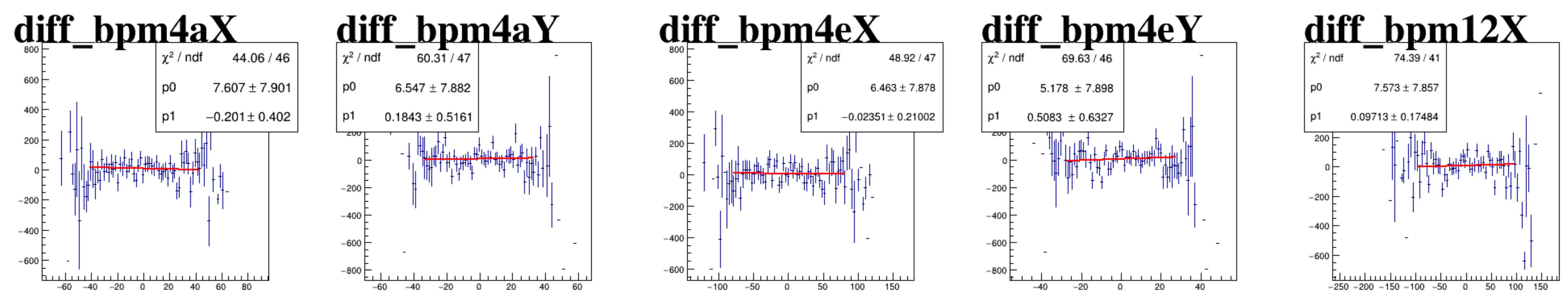
reg_asym_sam1



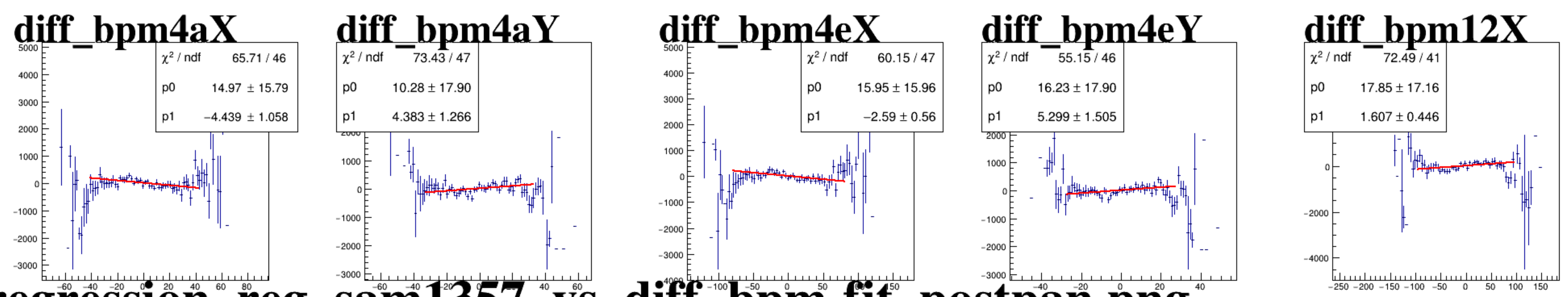
reg_asym_sam3



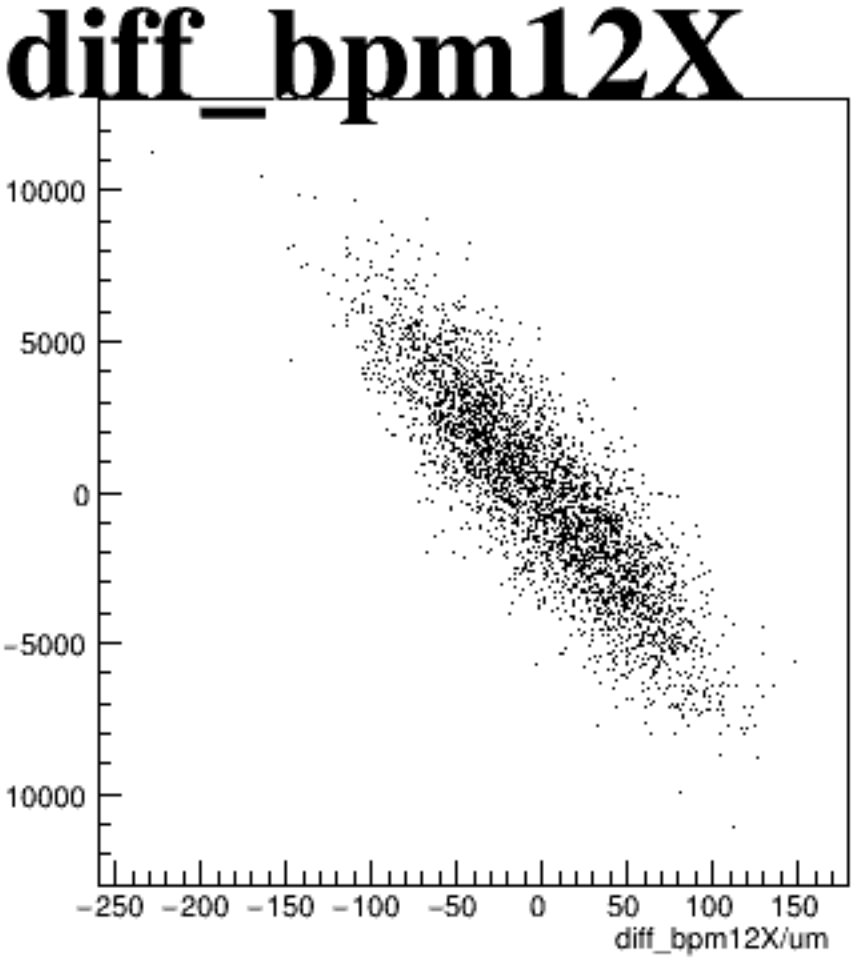
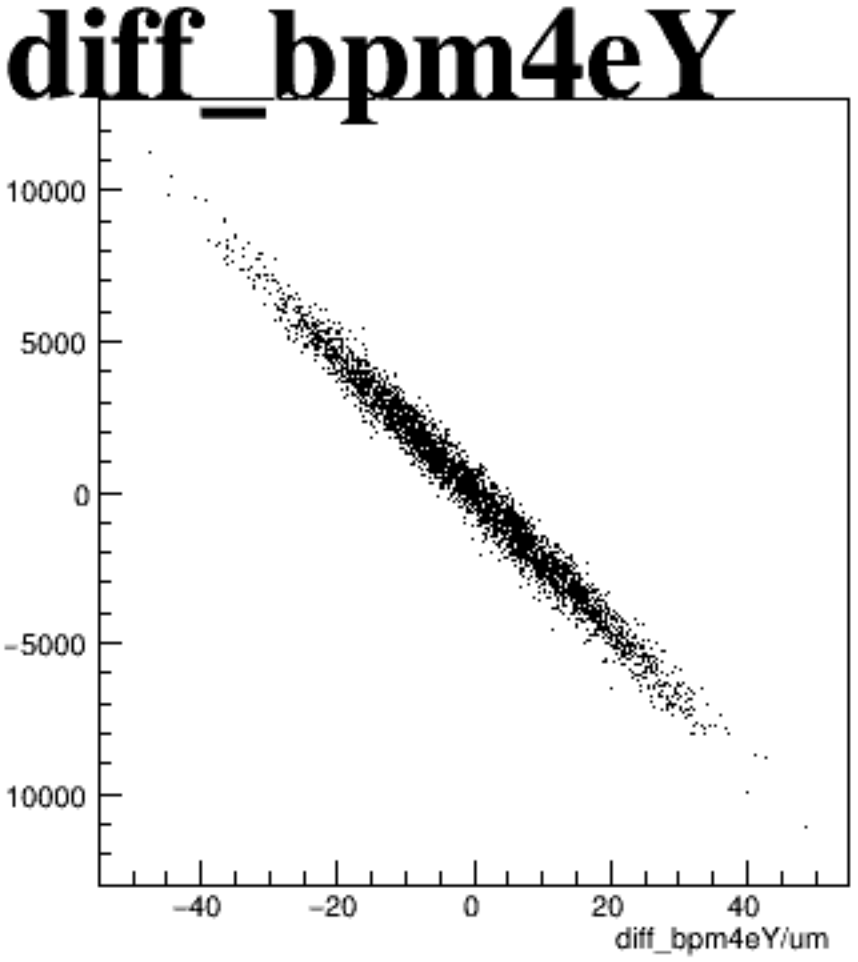
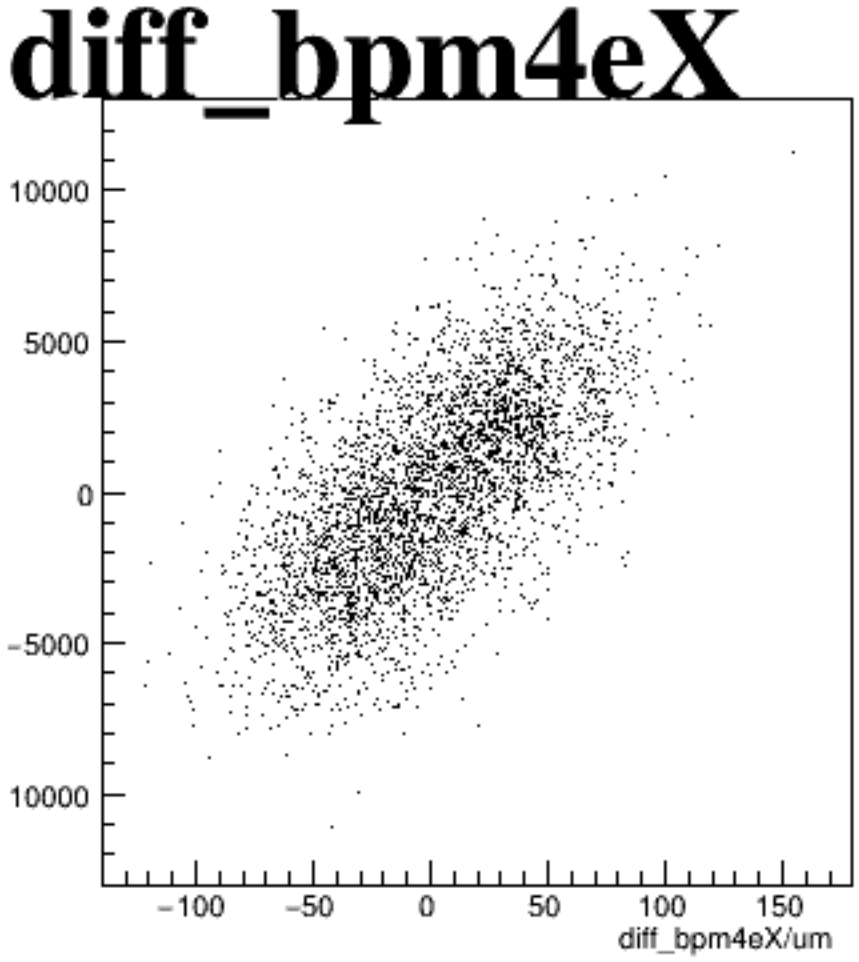
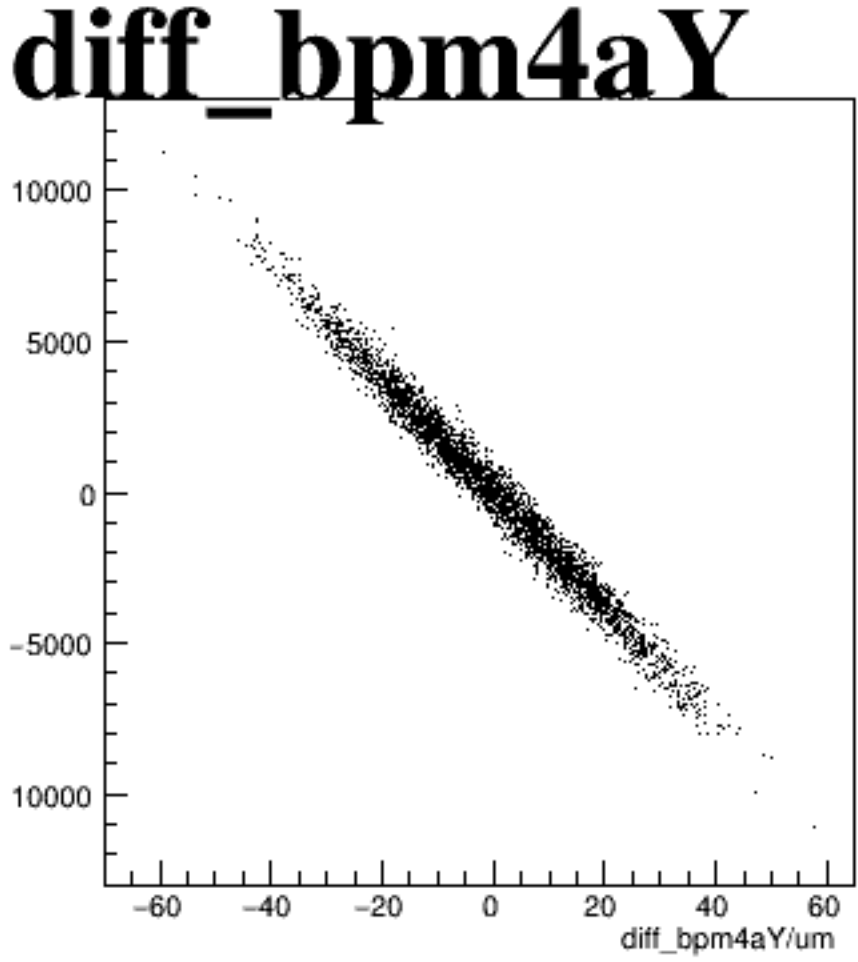
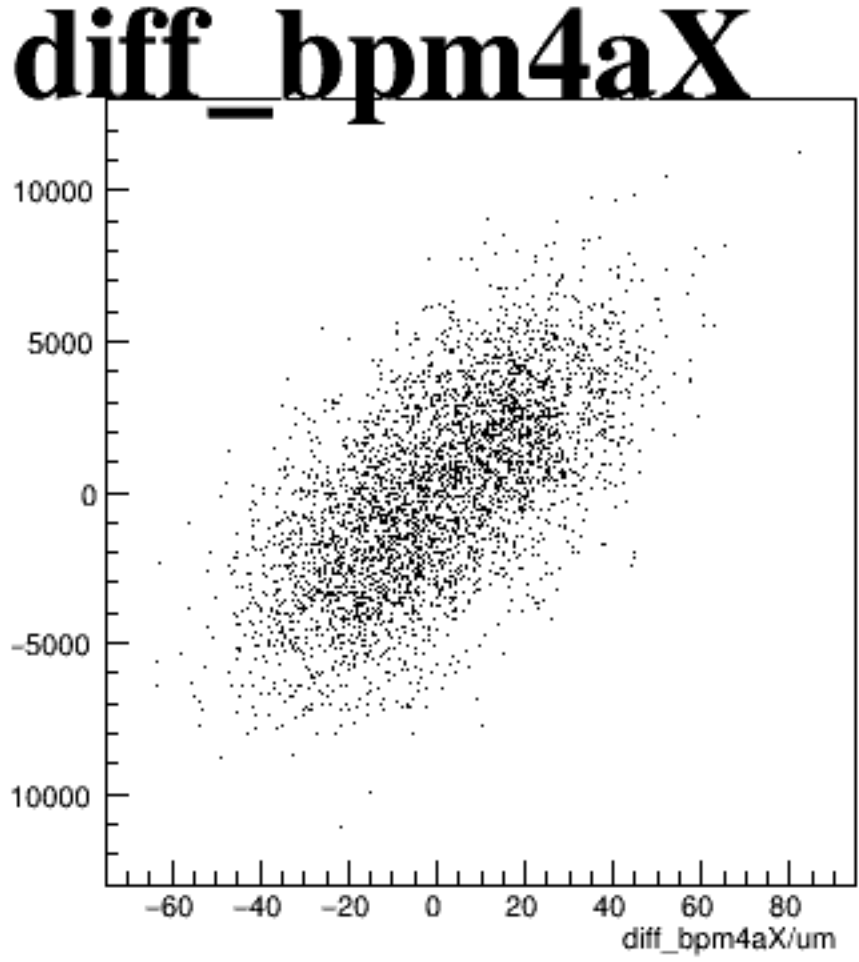
reg_asym_sam5



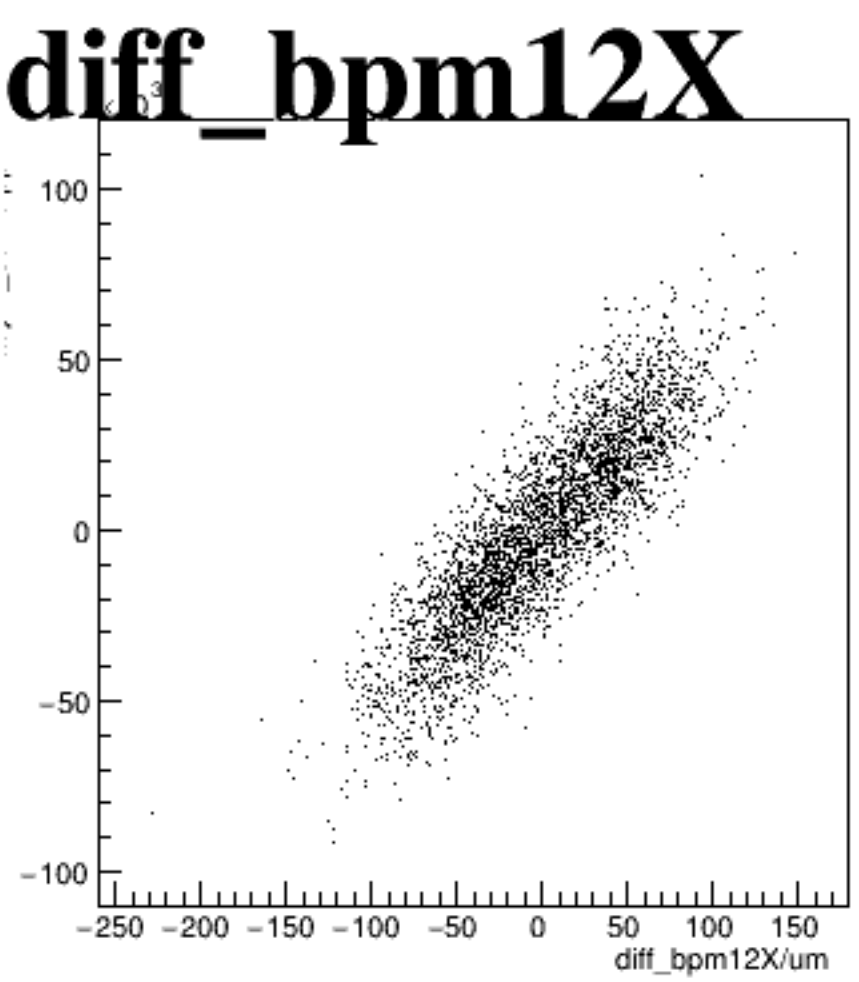
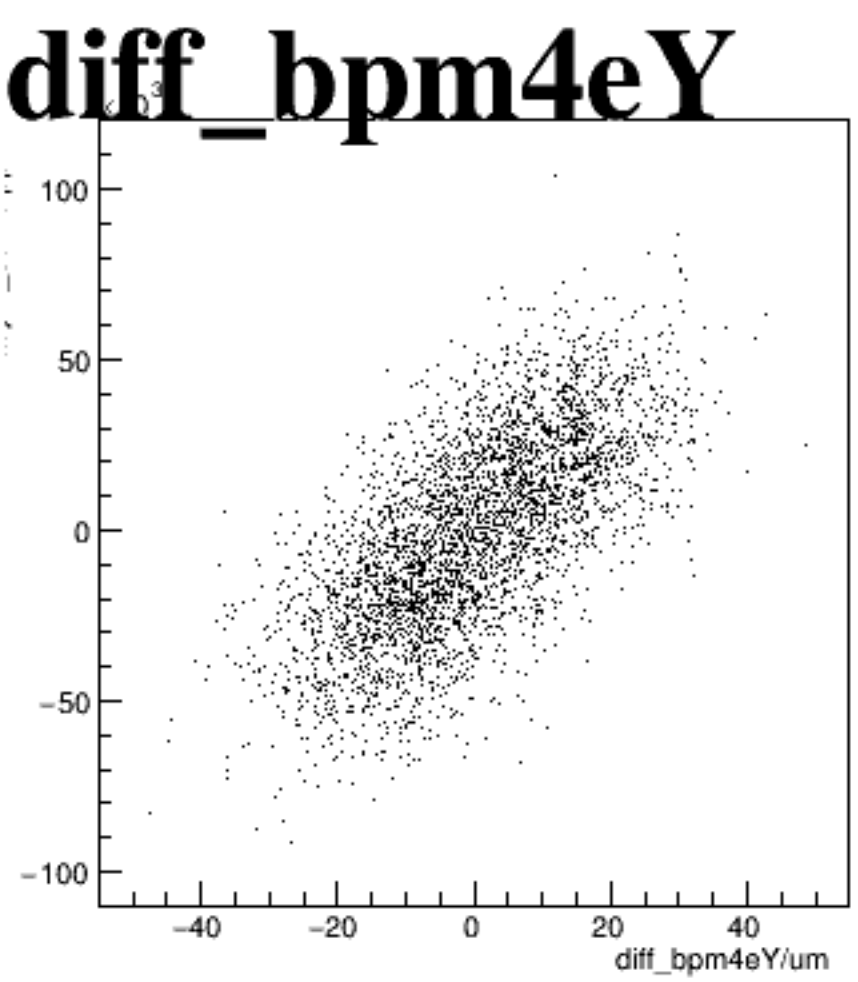
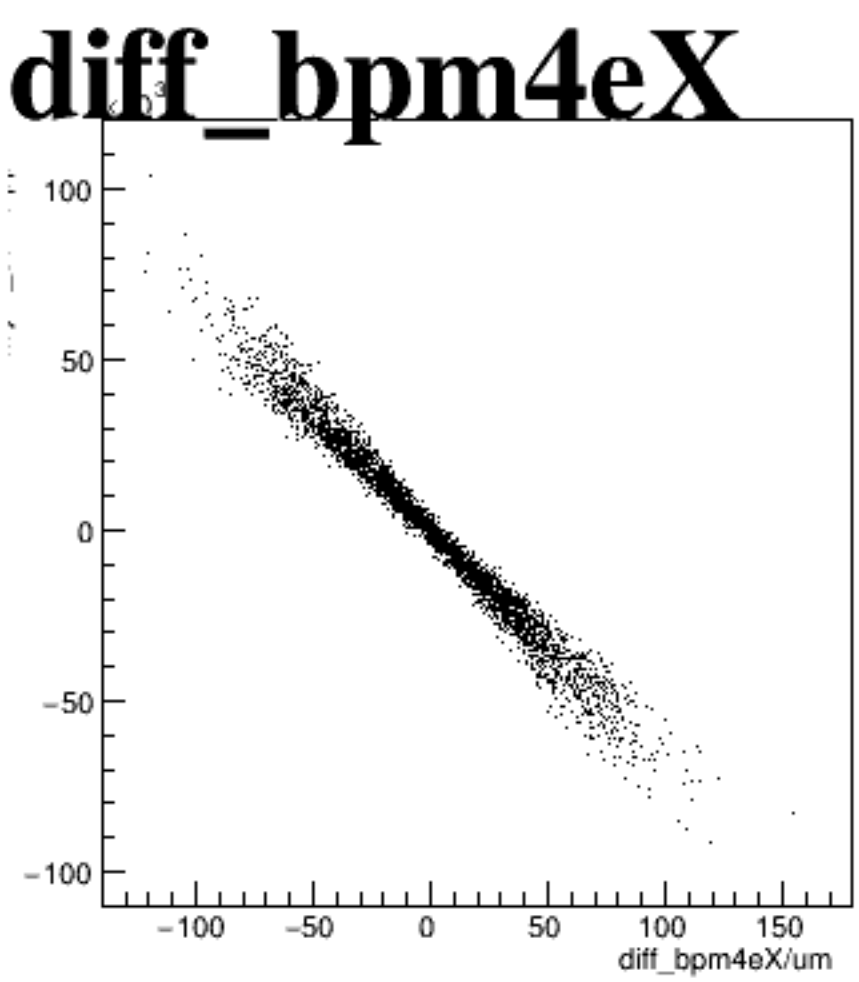
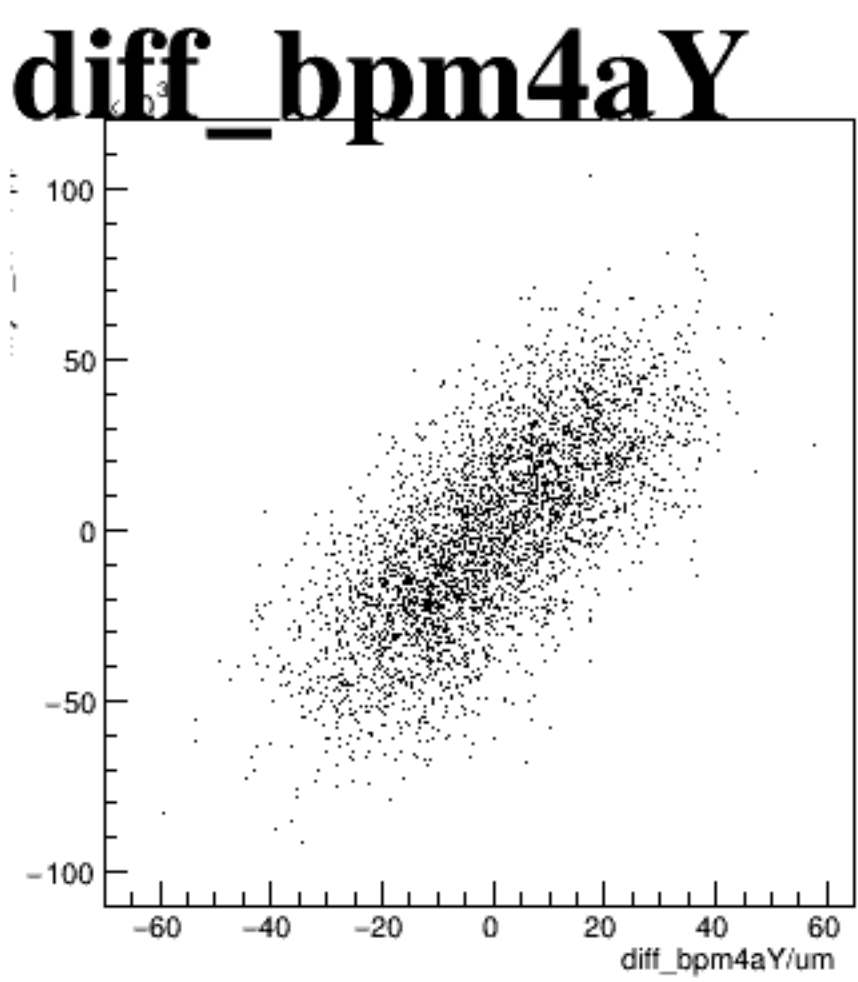
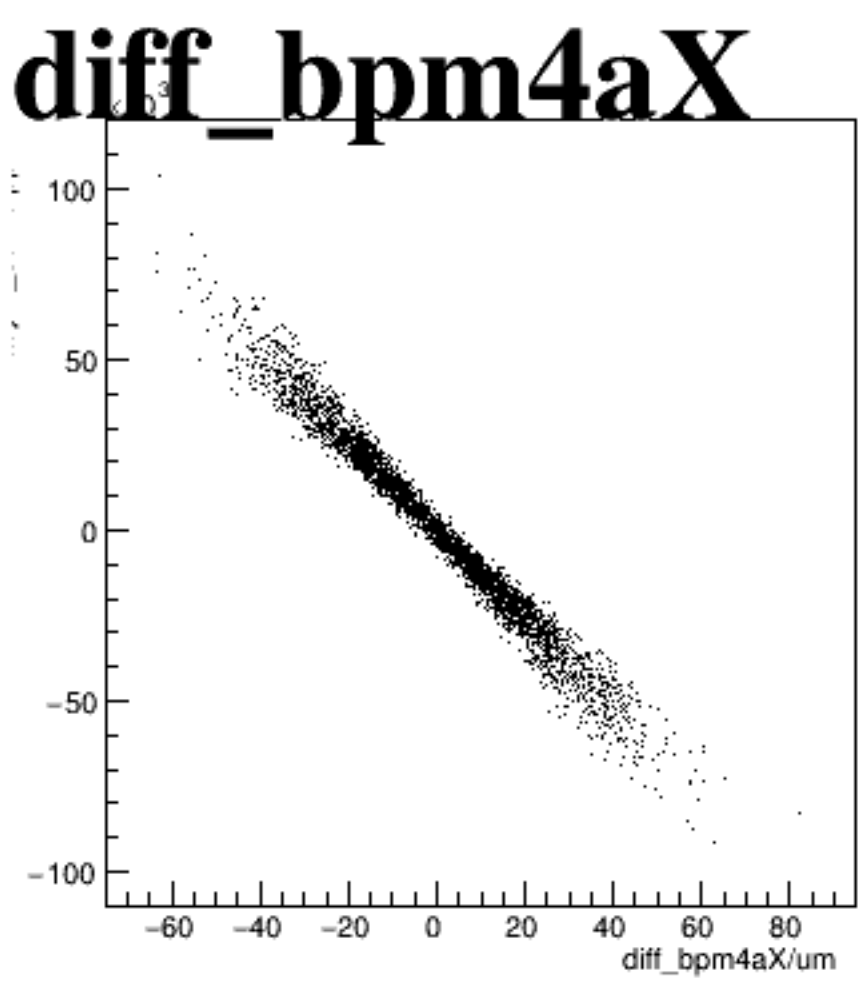
reg_asym_sam7



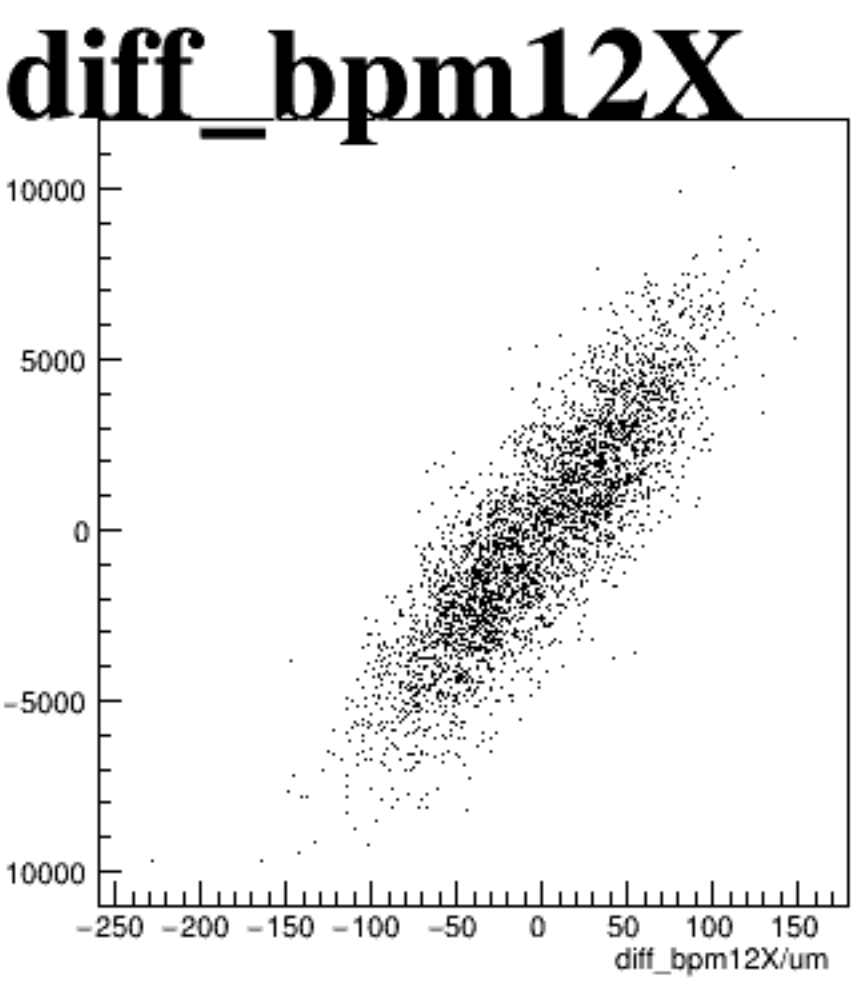
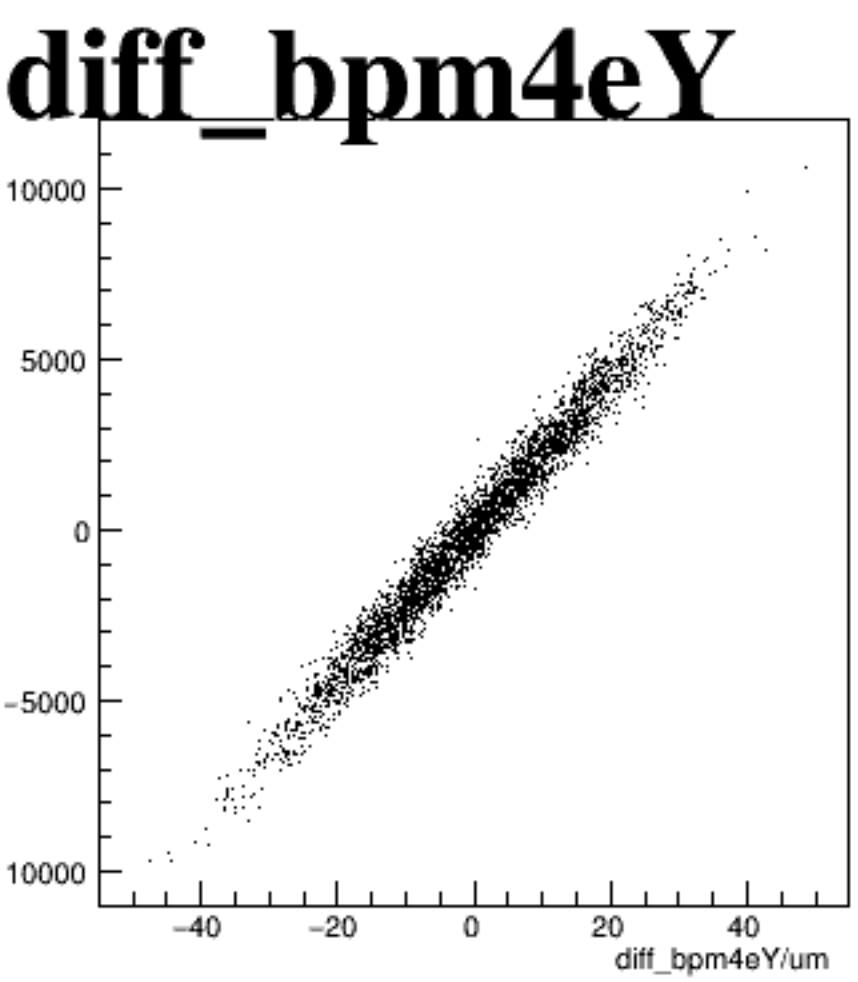
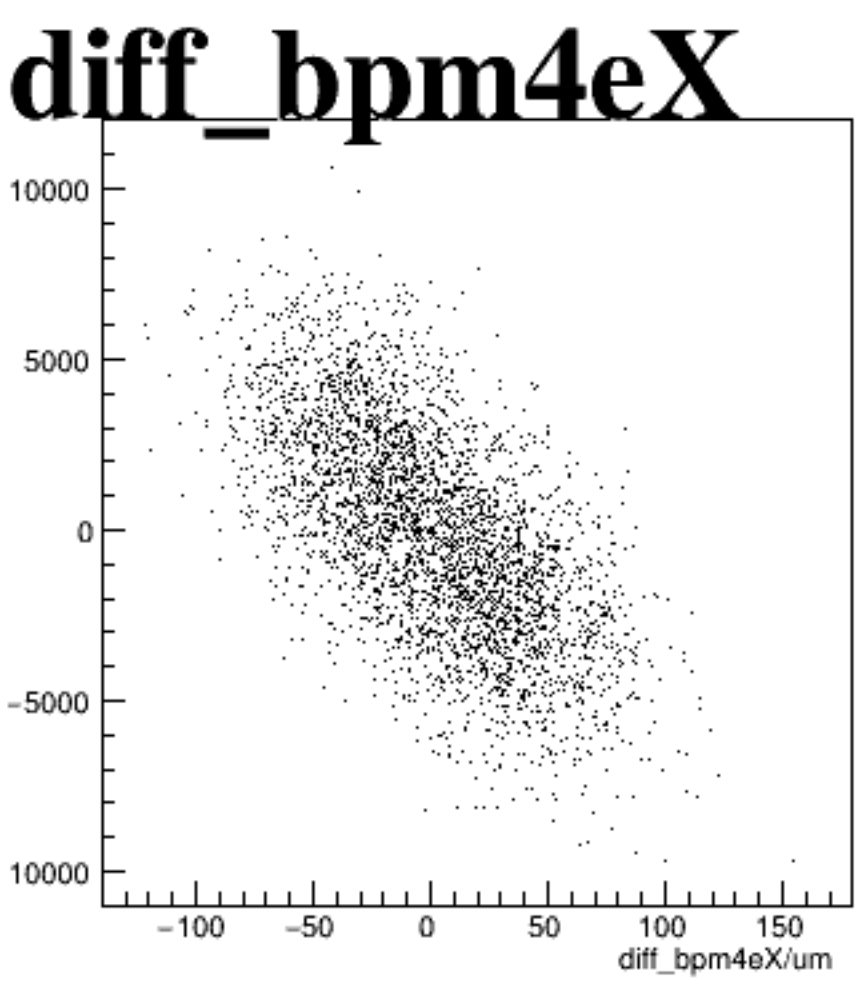
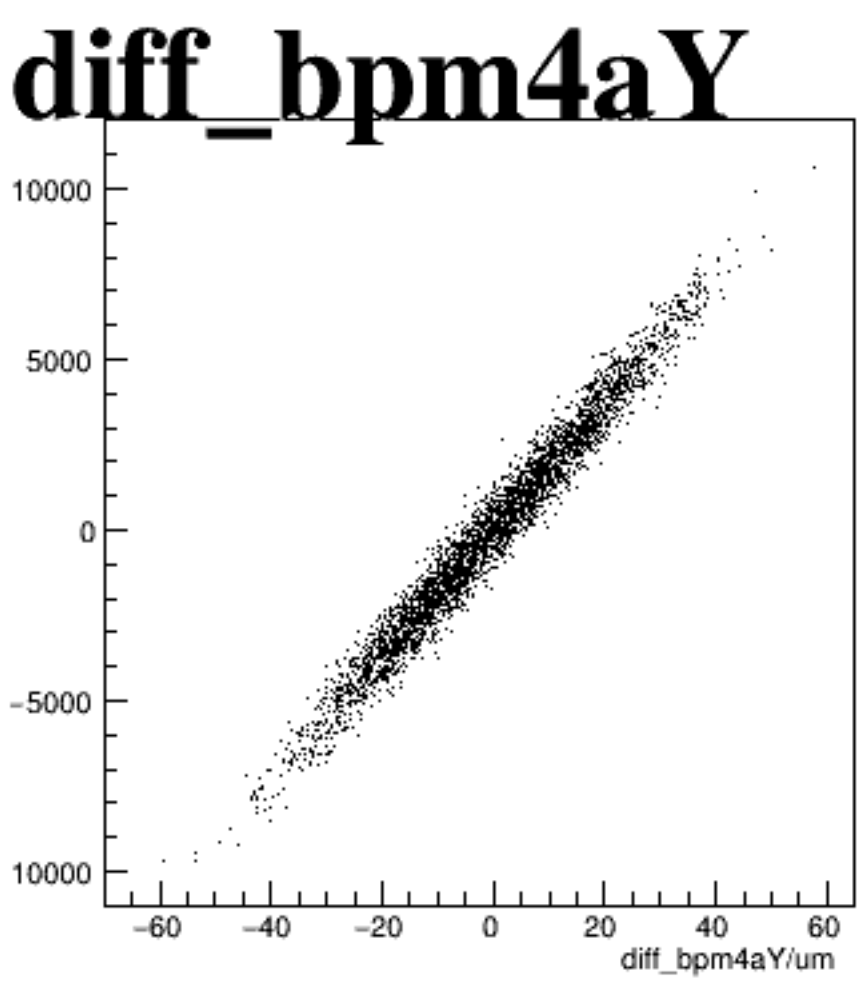
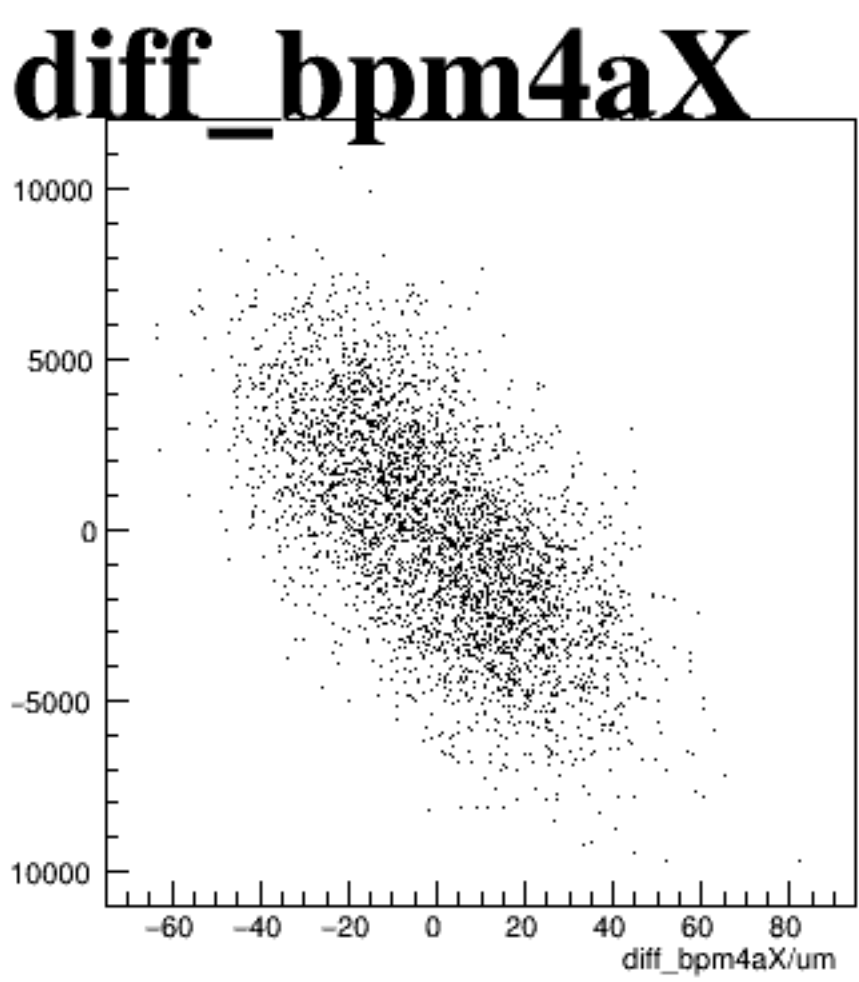
asym_sam1



asym_sam3



asym_sam5



asym_sam7

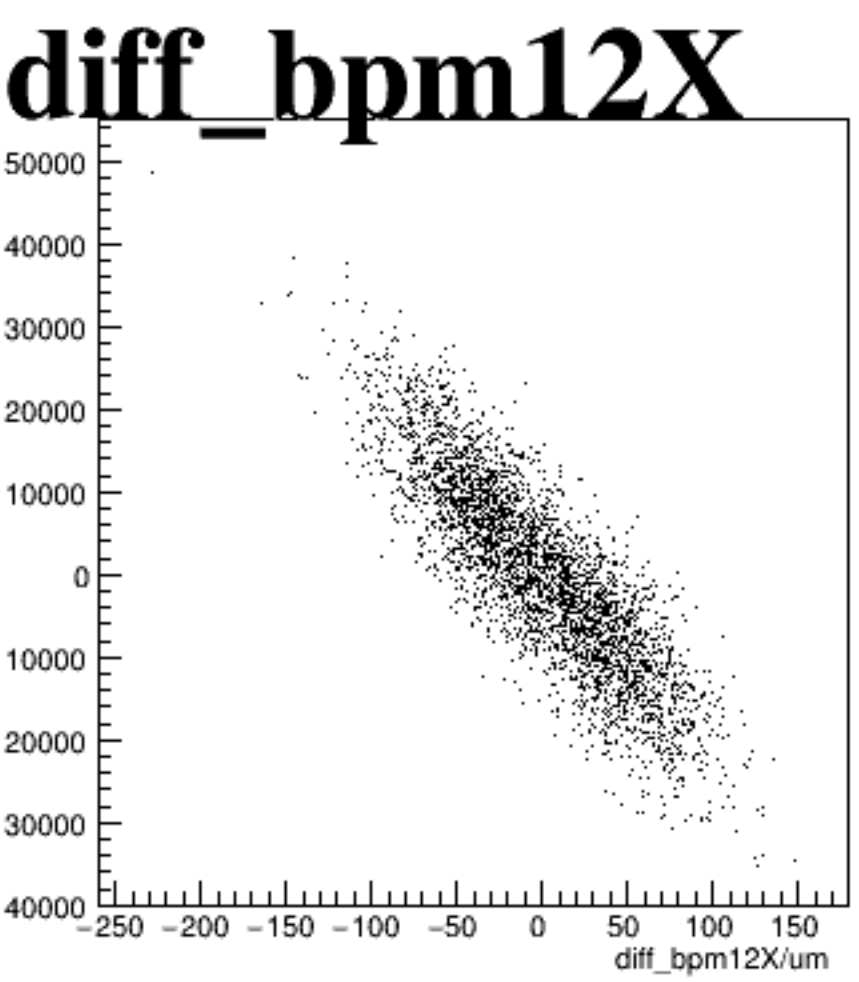
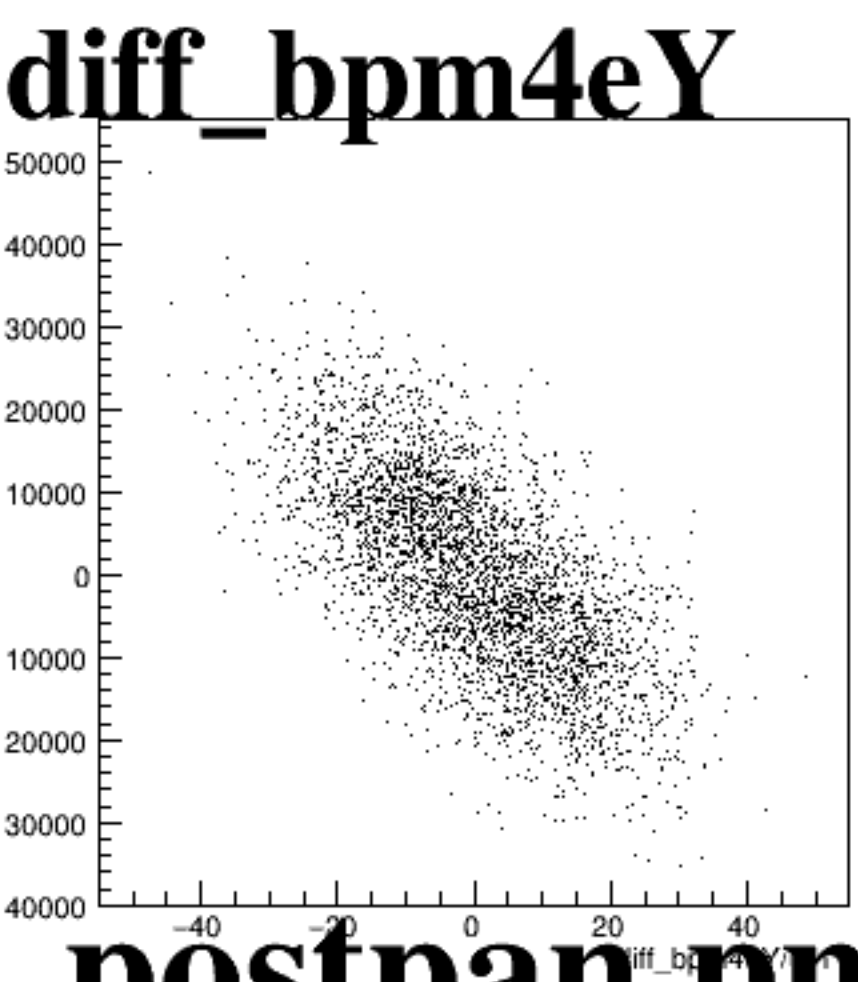
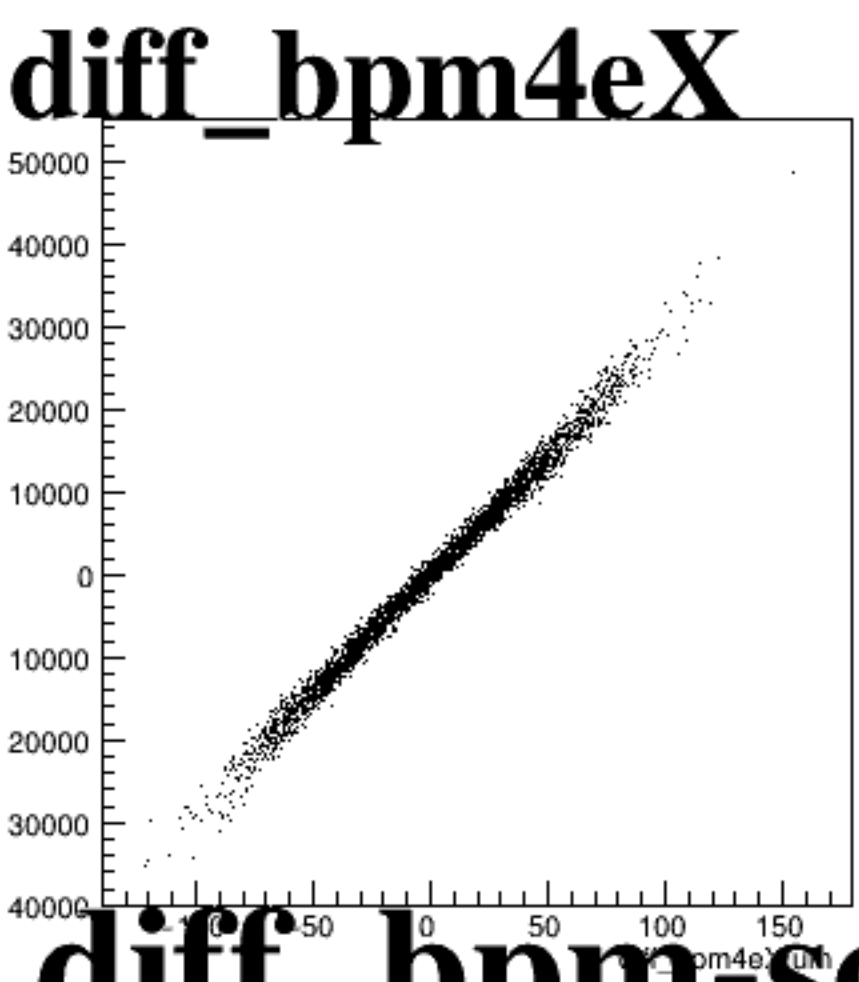
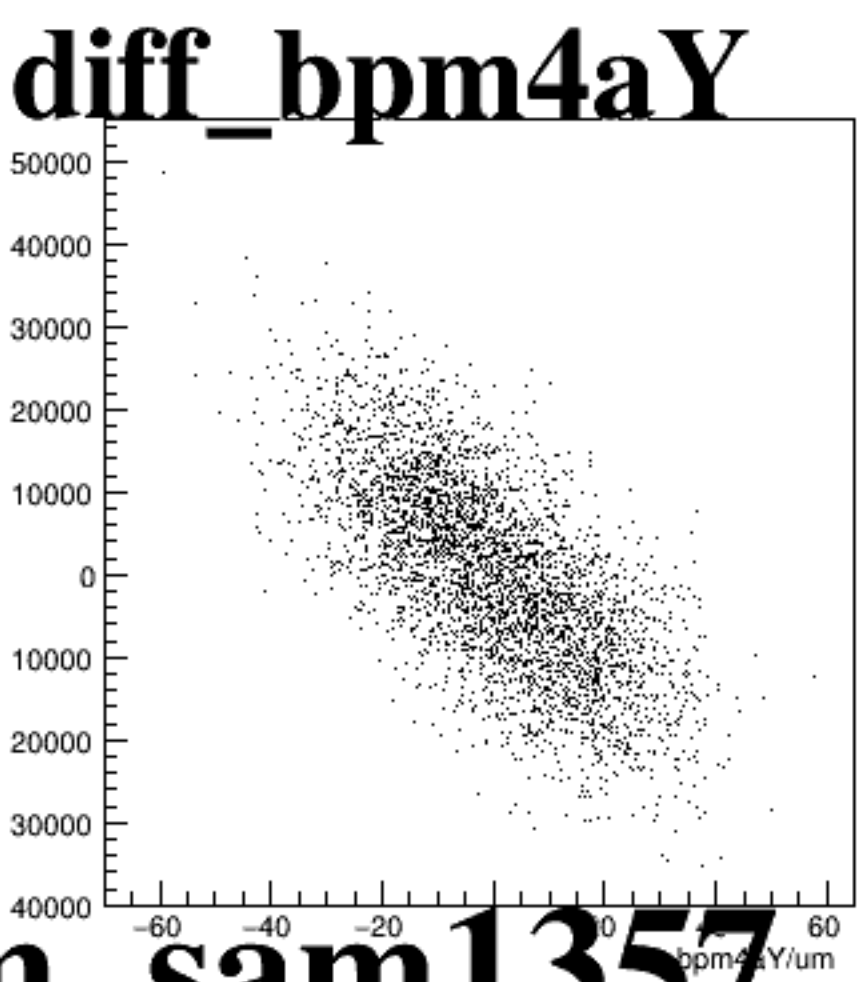
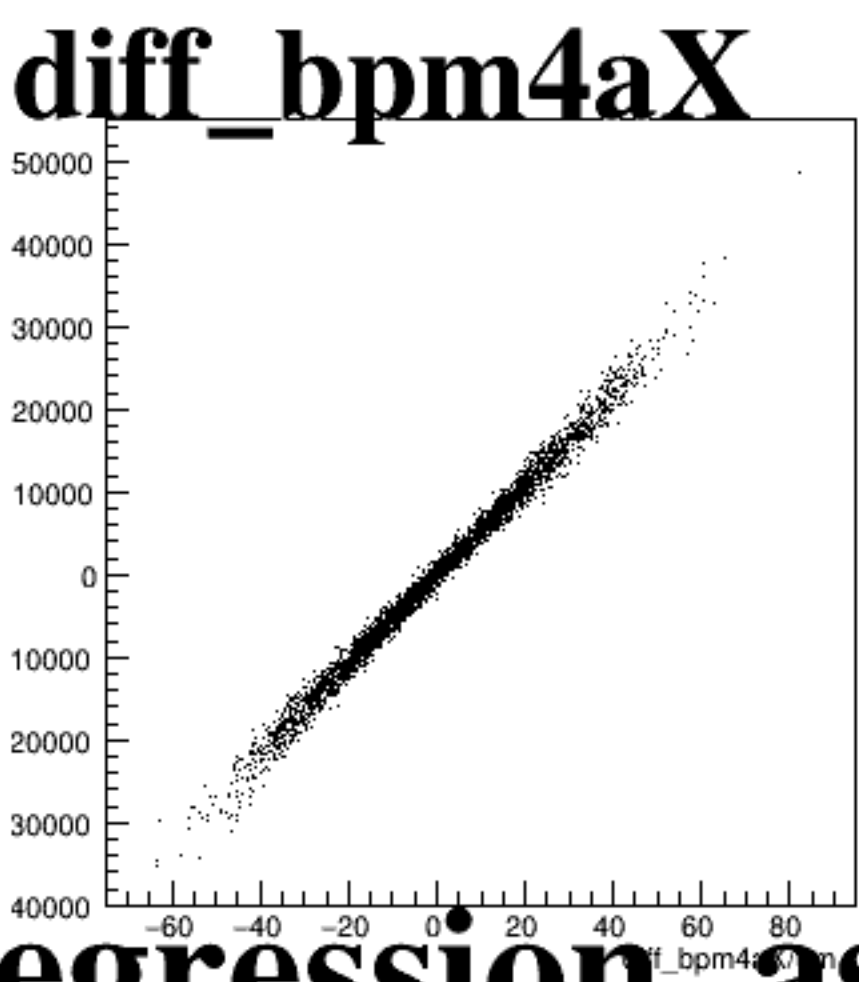


Figure 1 consists of five scatter plots arranged horizontally, each showing the distribution of differences between two systems. The plots are titled 'diff_bpm4aX', 'diff_bpm4aY', 'diff_bpm4eX', 'diff_bpm4eY', and 'diff_bpm12X'. Each plot has a y-axis ranging from -25,000 to 25,000 and an x-axis ranging from -60 to 80. The data points are densely clustered around the origin (0,0), indicating a high degree of agreement between the two systems.