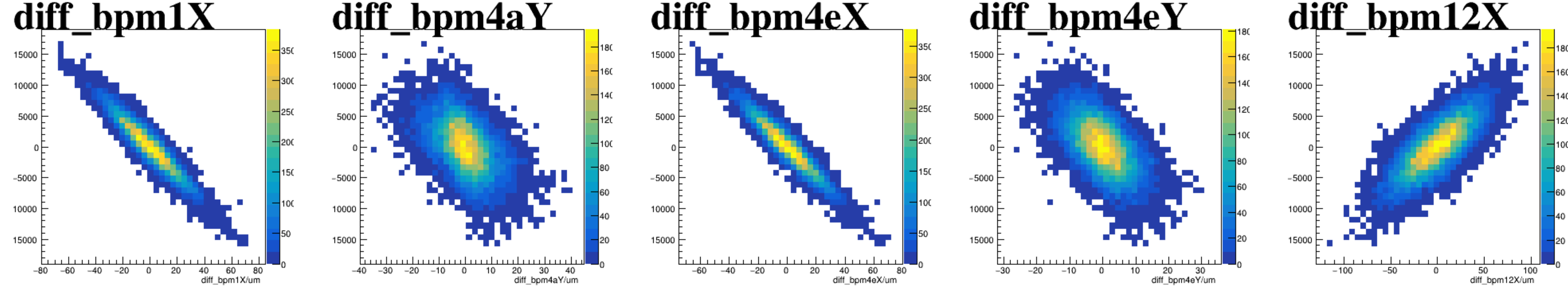
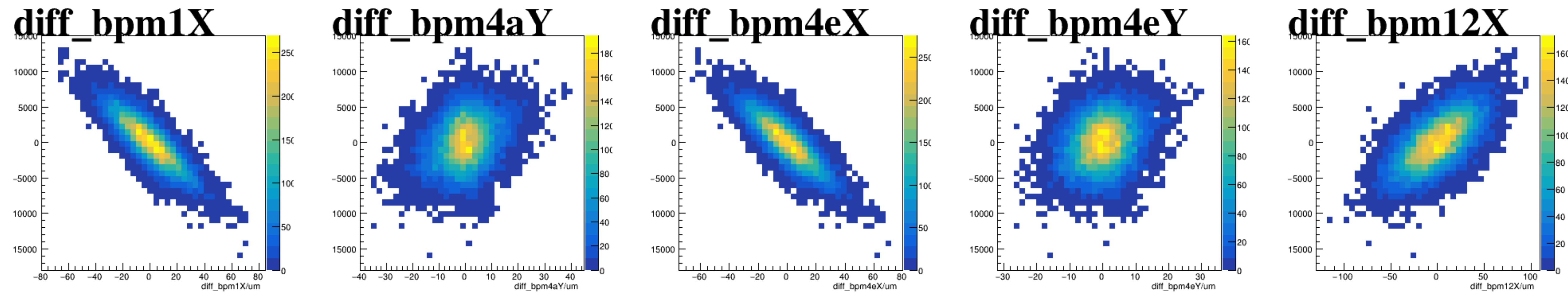


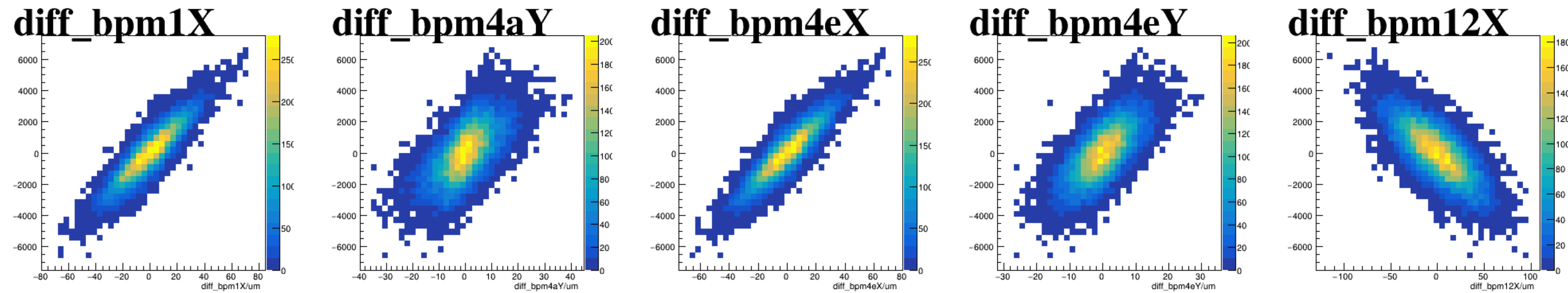
asym_sam2



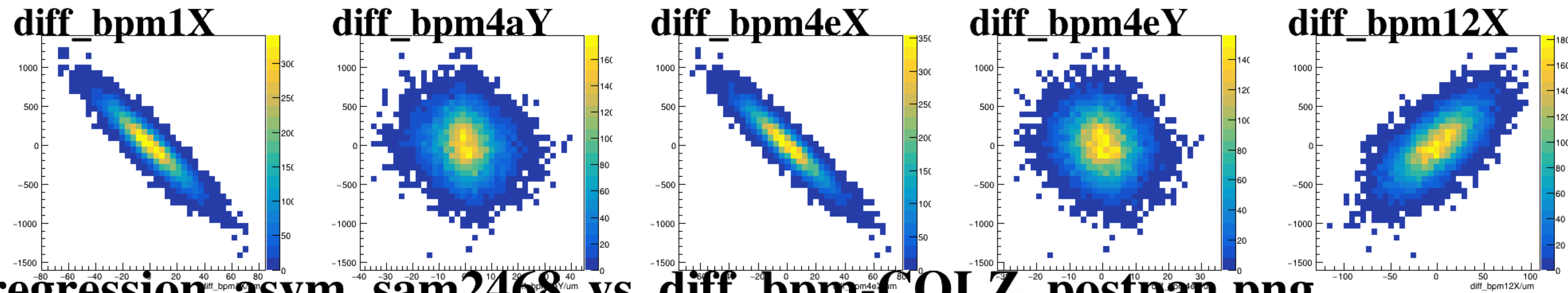
asym_sam4



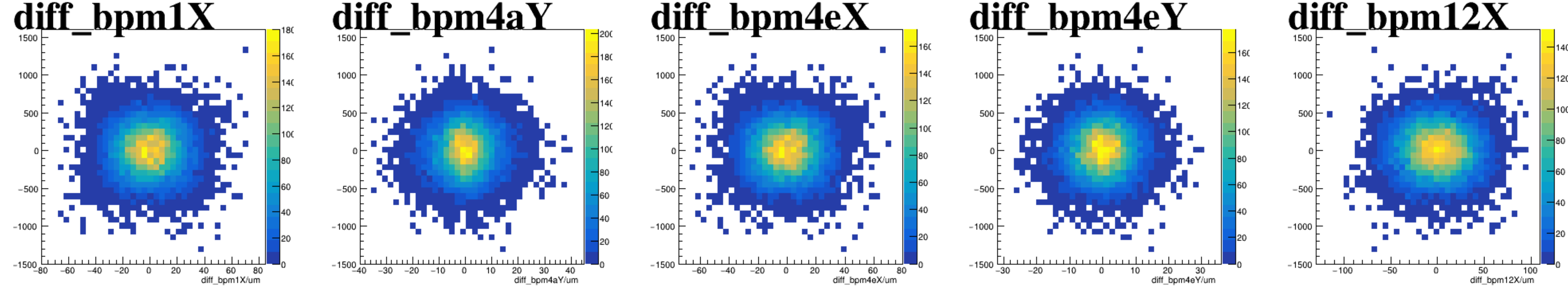
asym_sam6



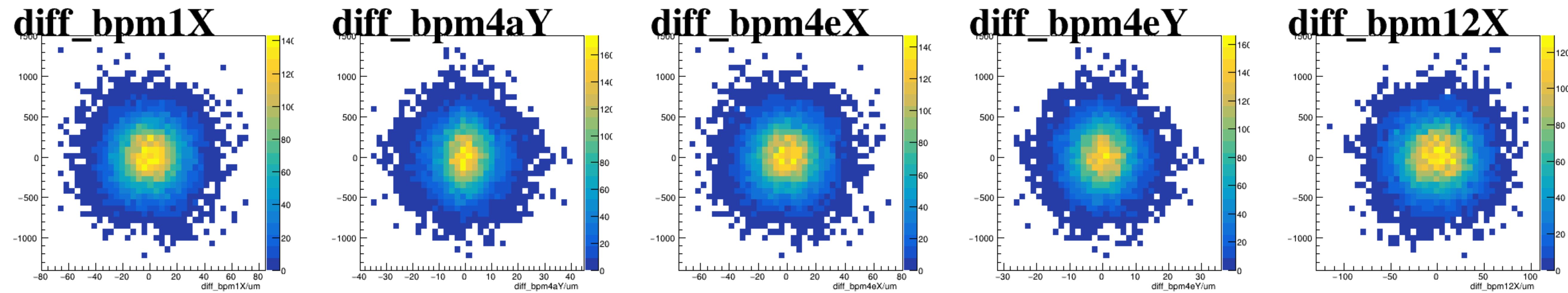
asym_sam8



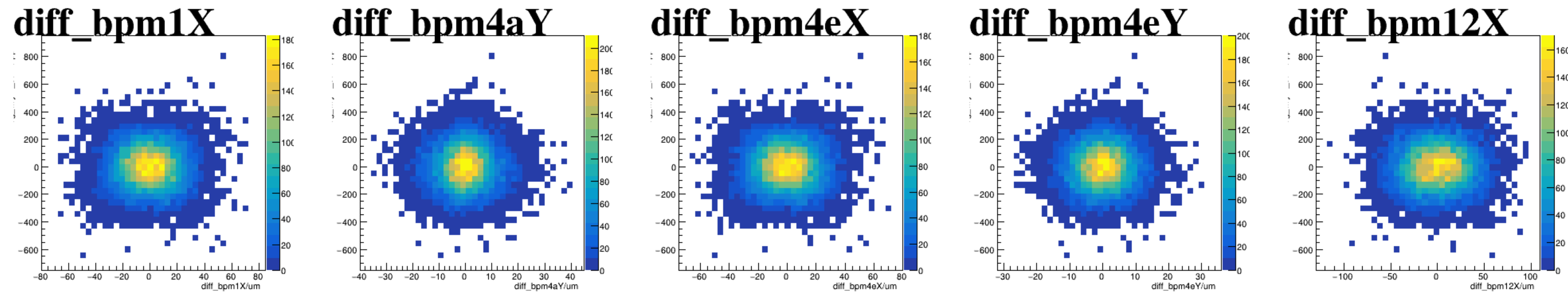
reg_asym_sam2



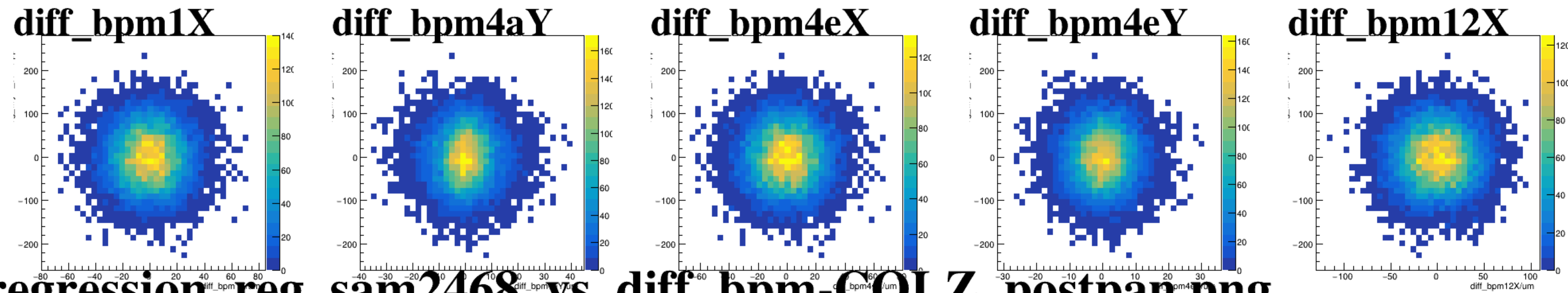
reg_asym_sam4



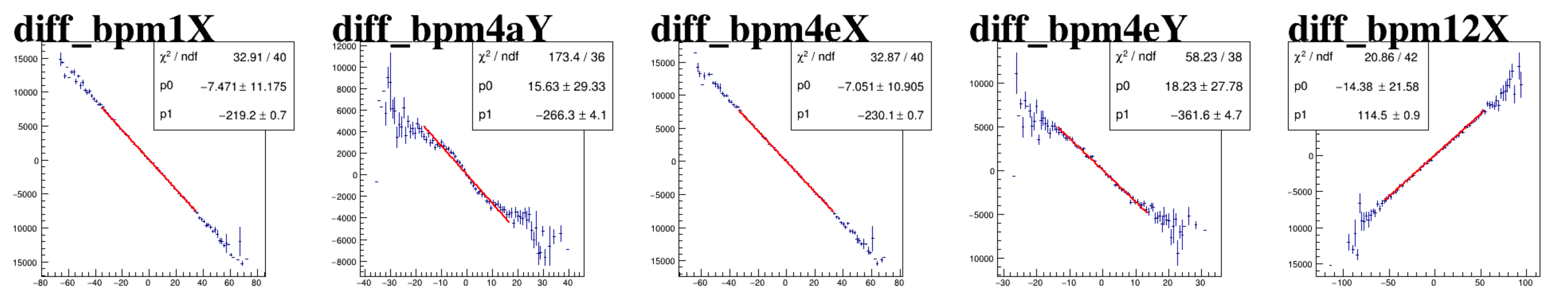
reg_asym_sam6



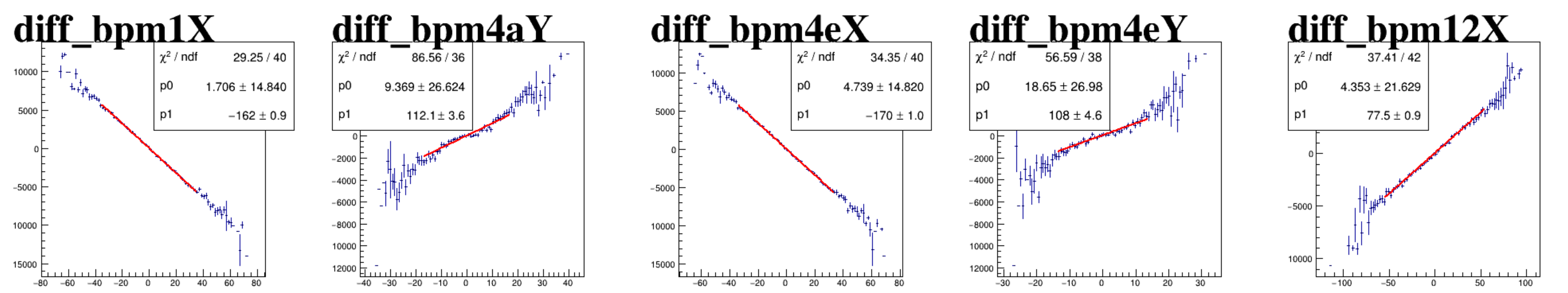
reg_asym_sam8



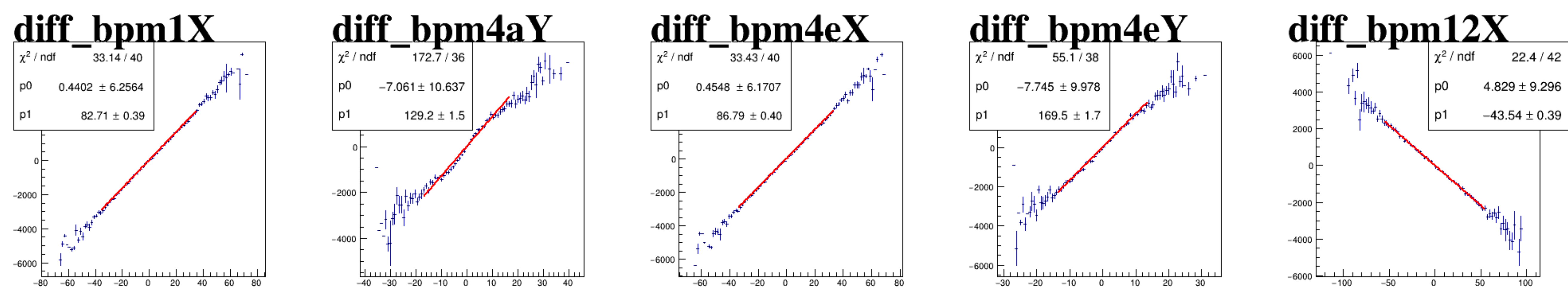
asym_sam2



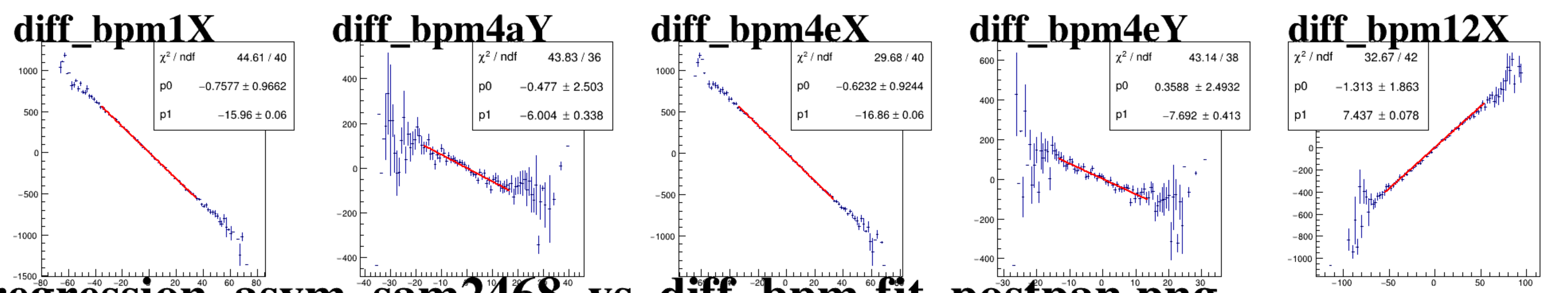
asym_sam4



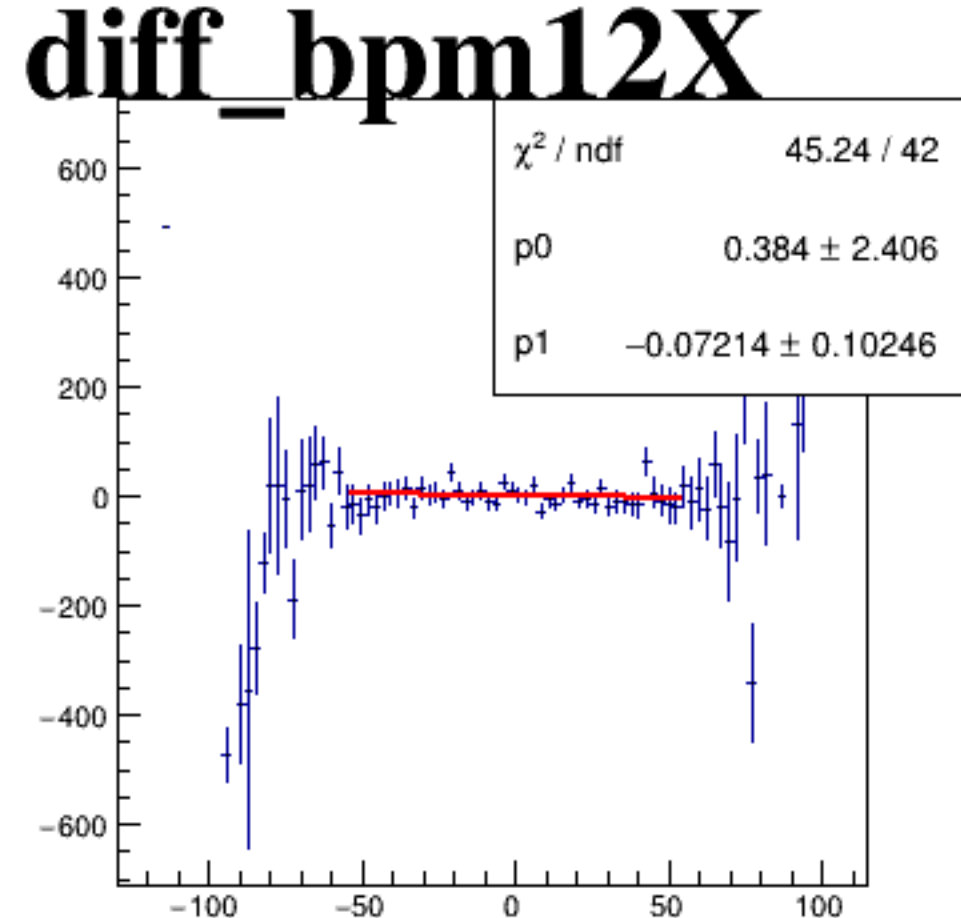
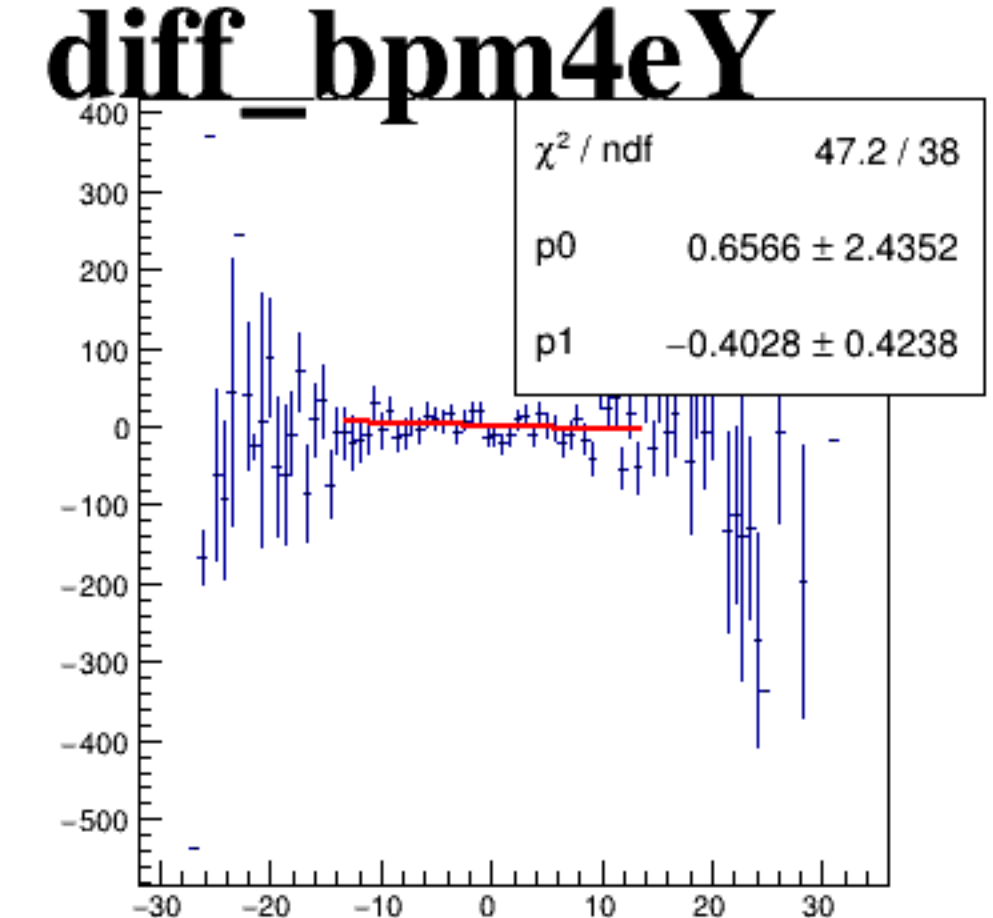
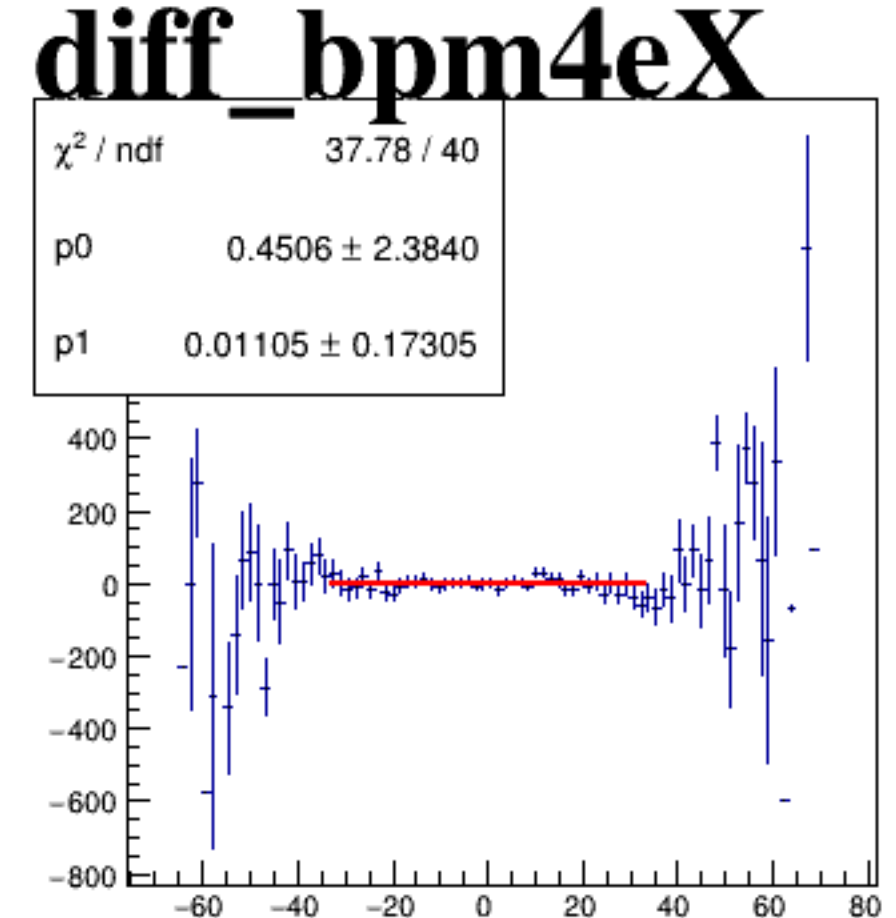
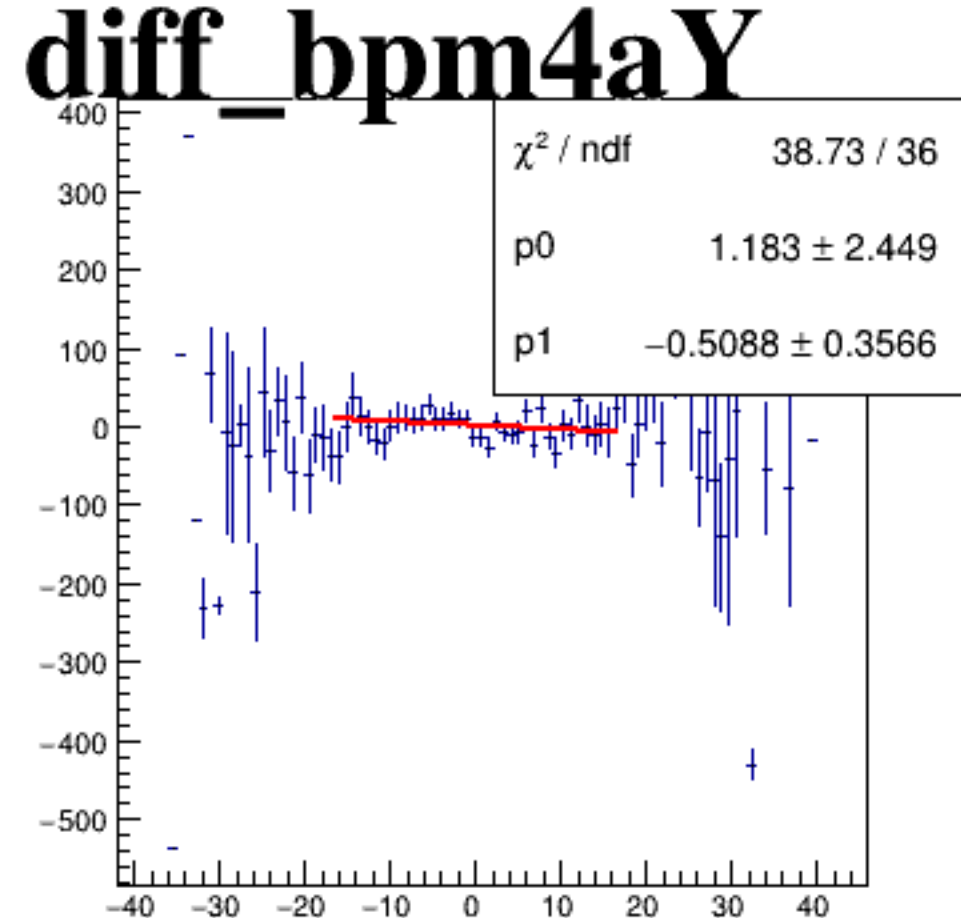
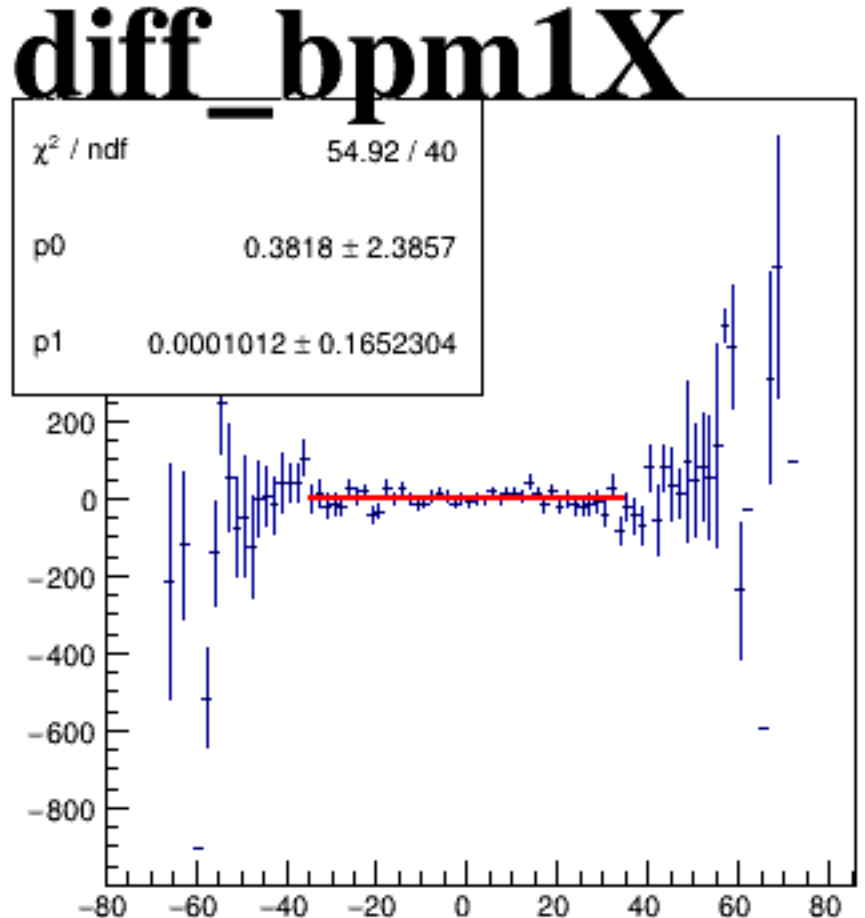
asym_sam6



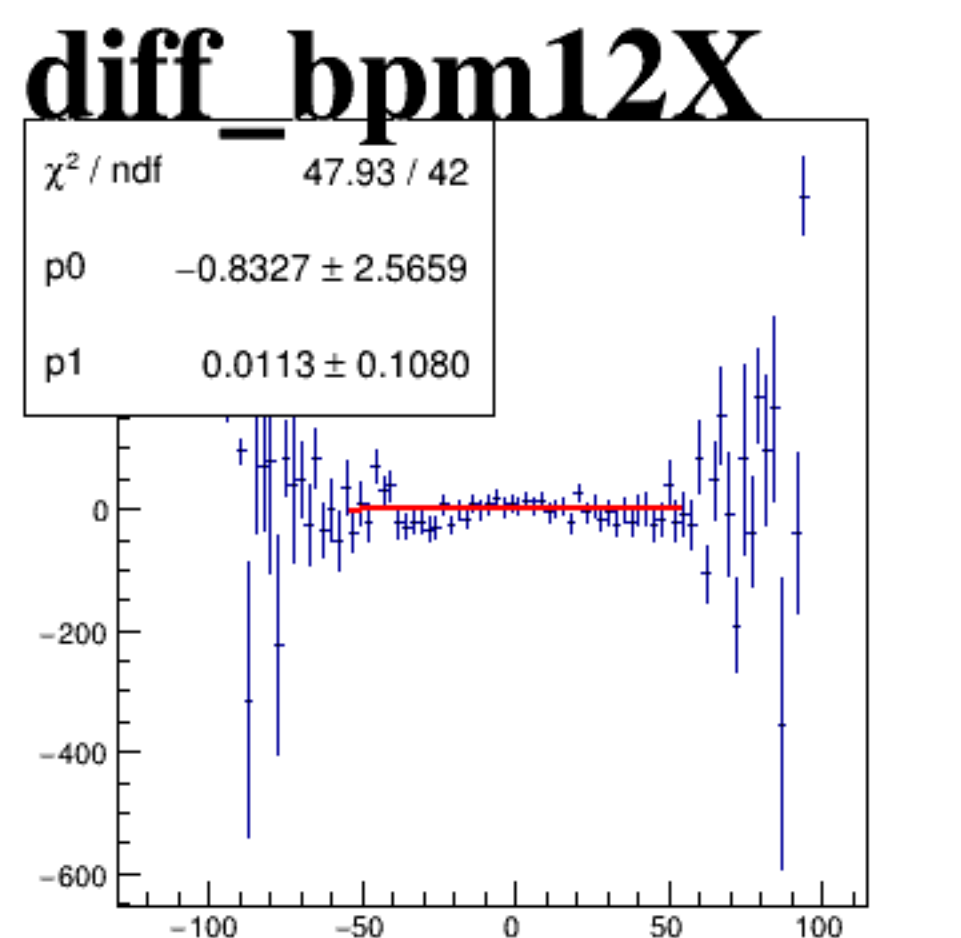
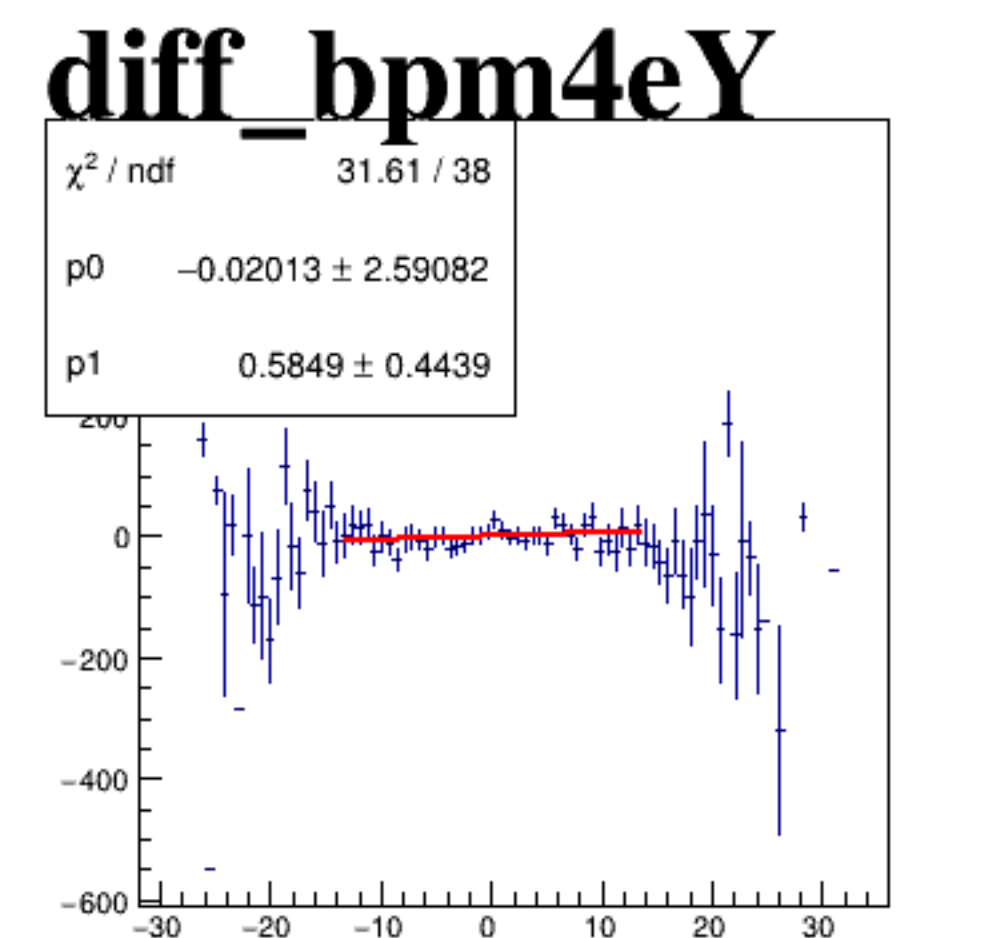
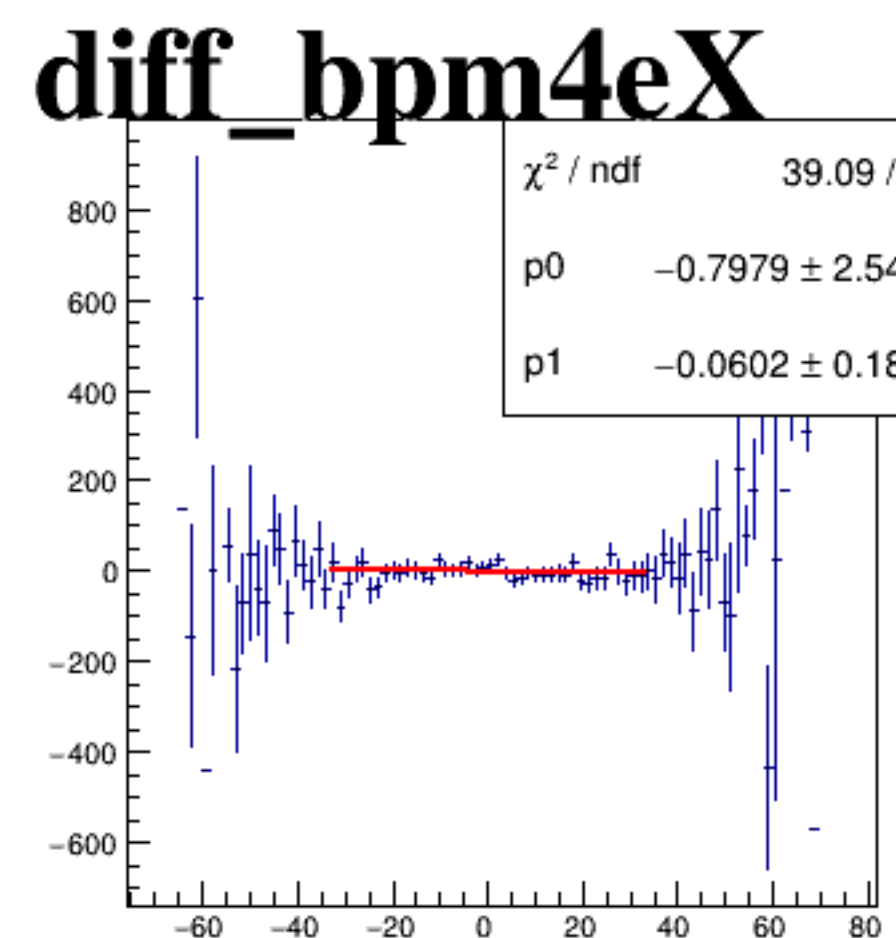
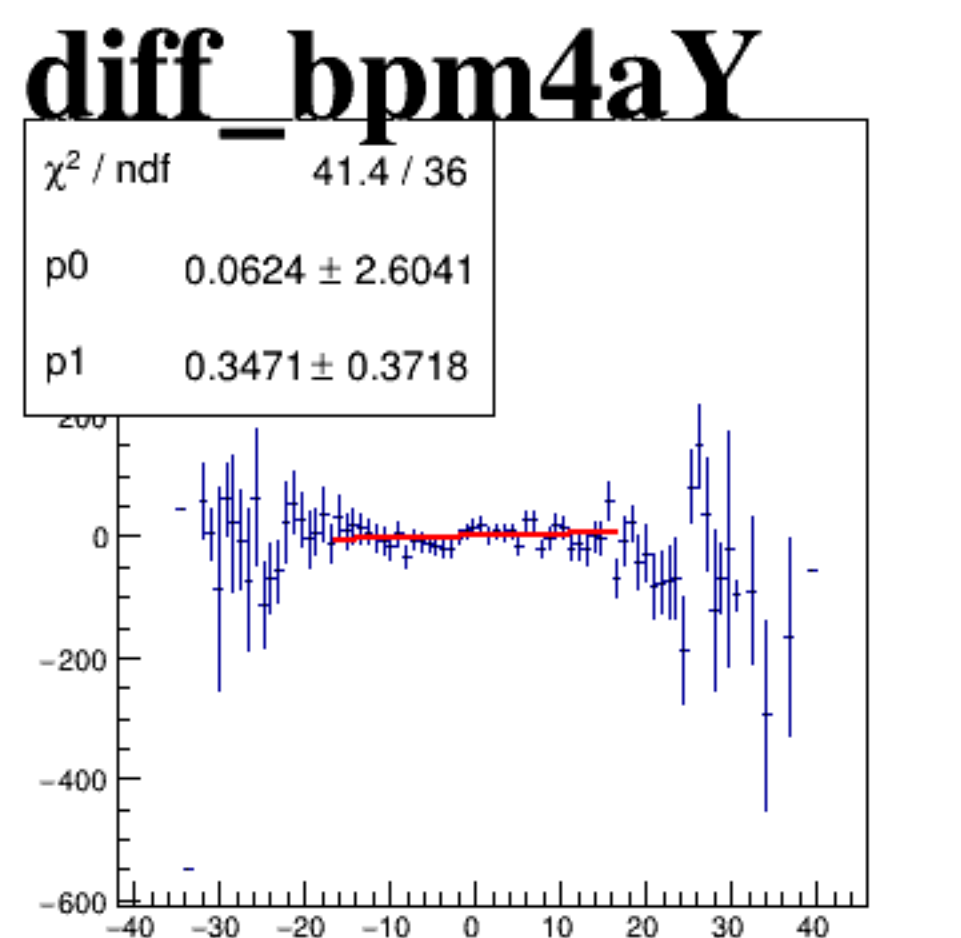
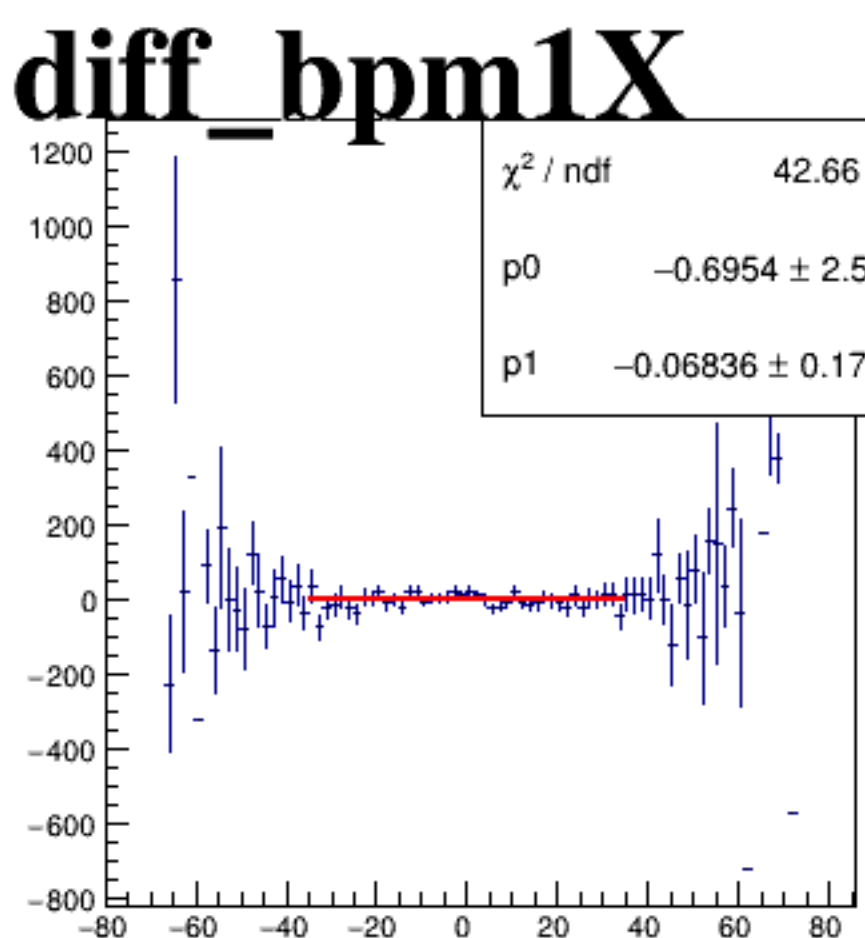
asym_sam8



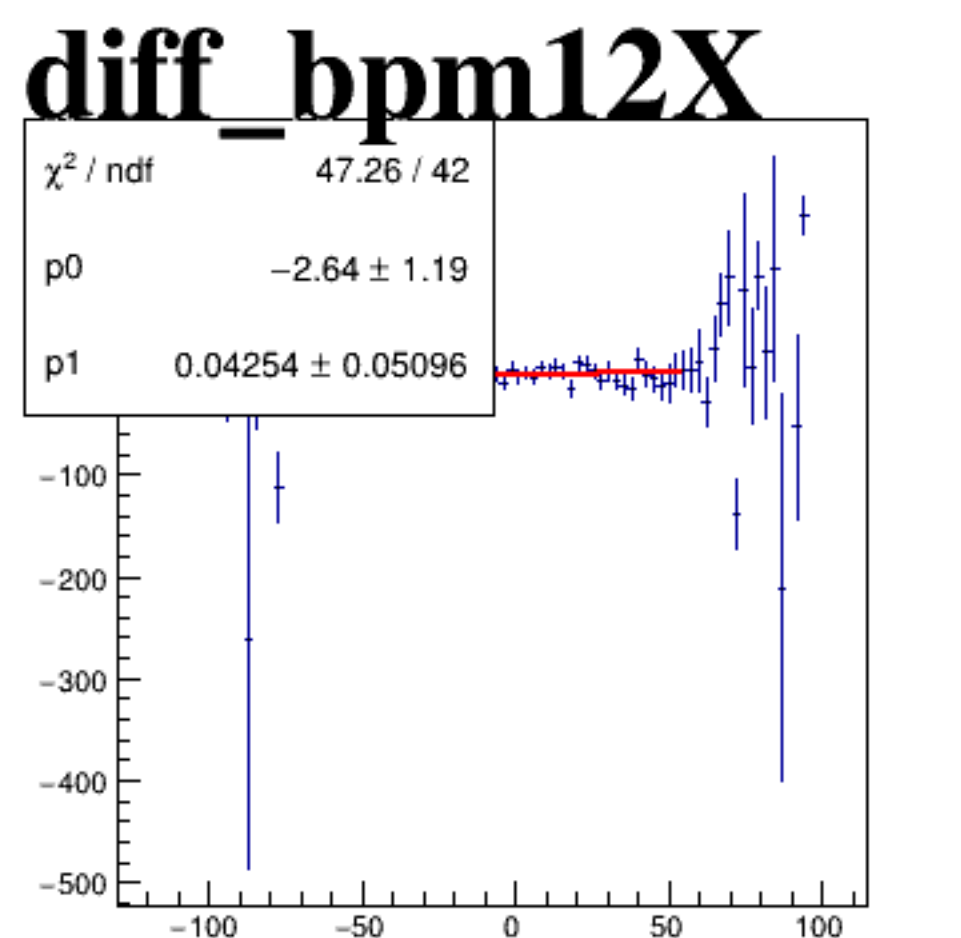
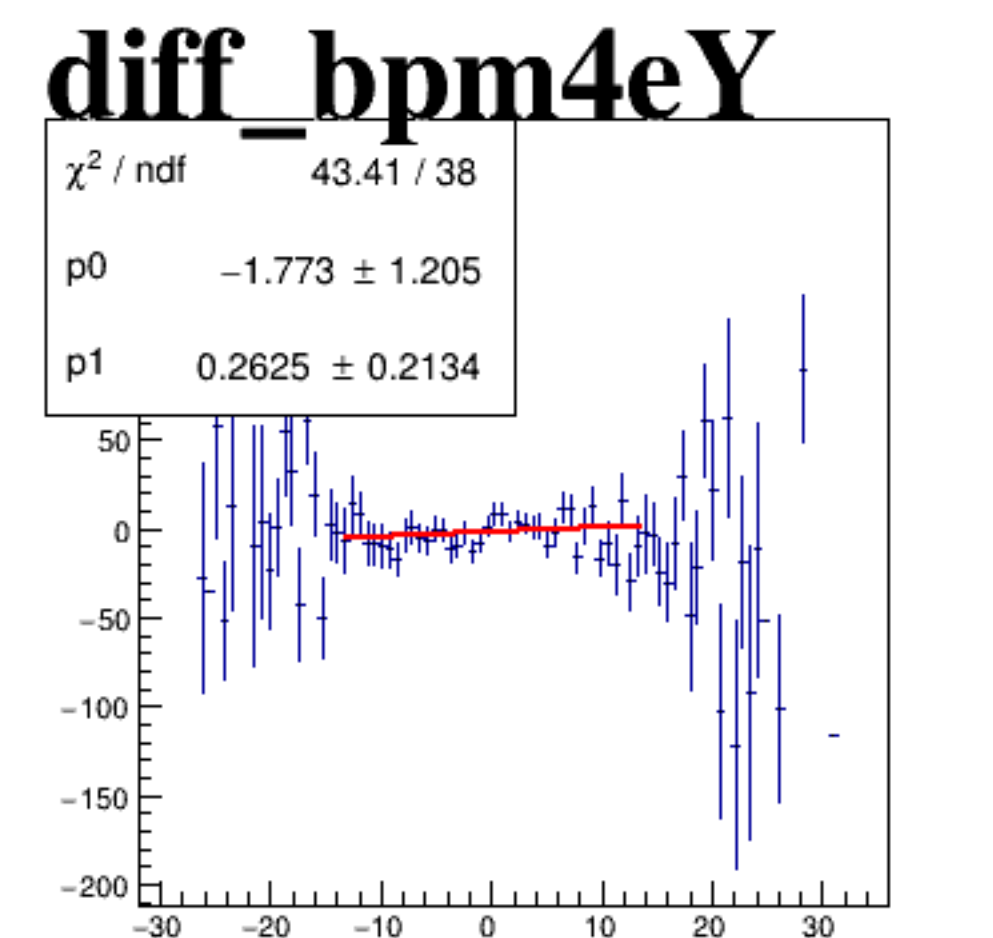
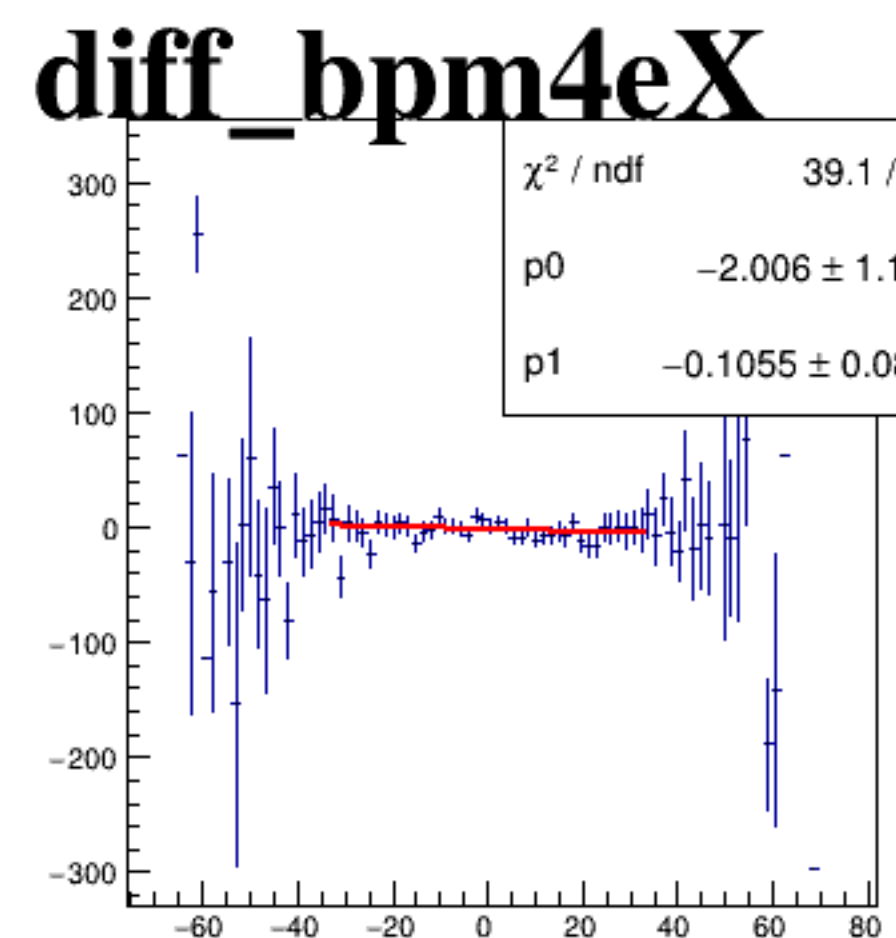
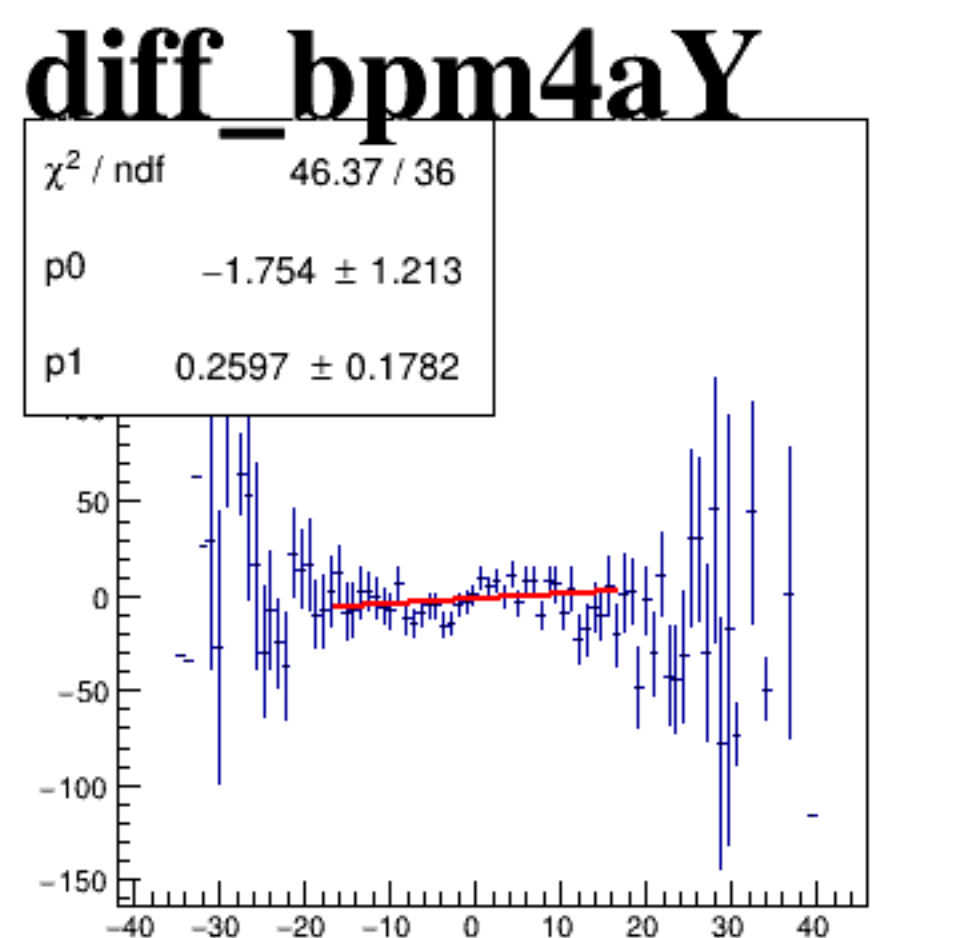
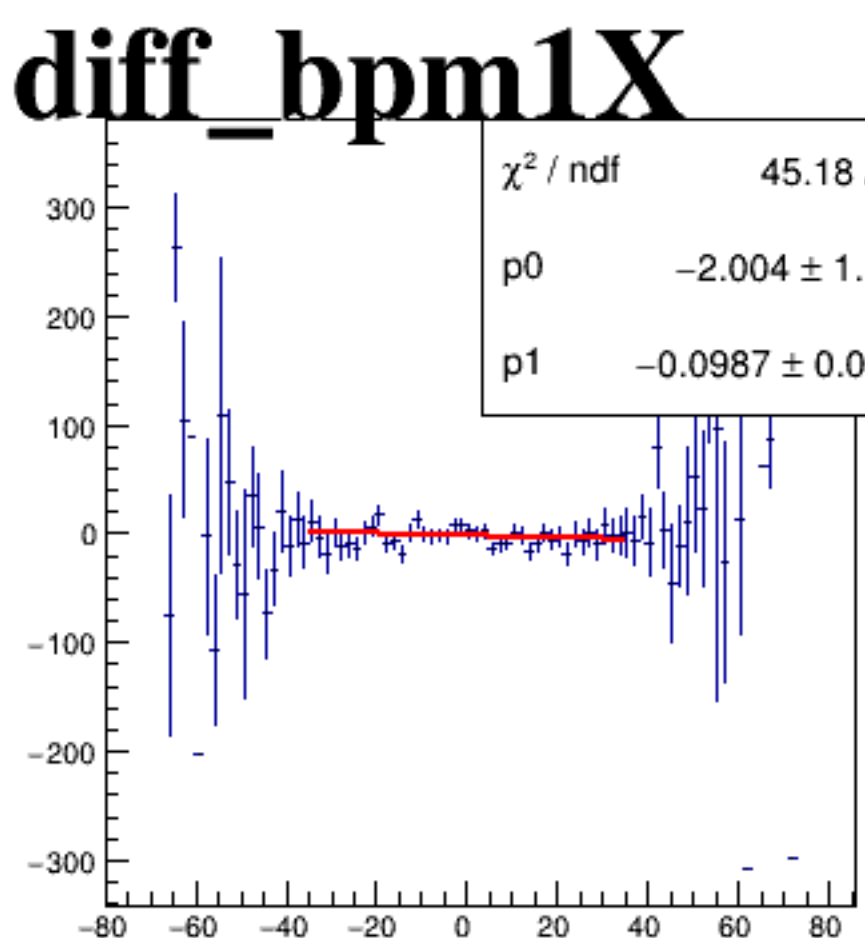
reg_asym_sam2



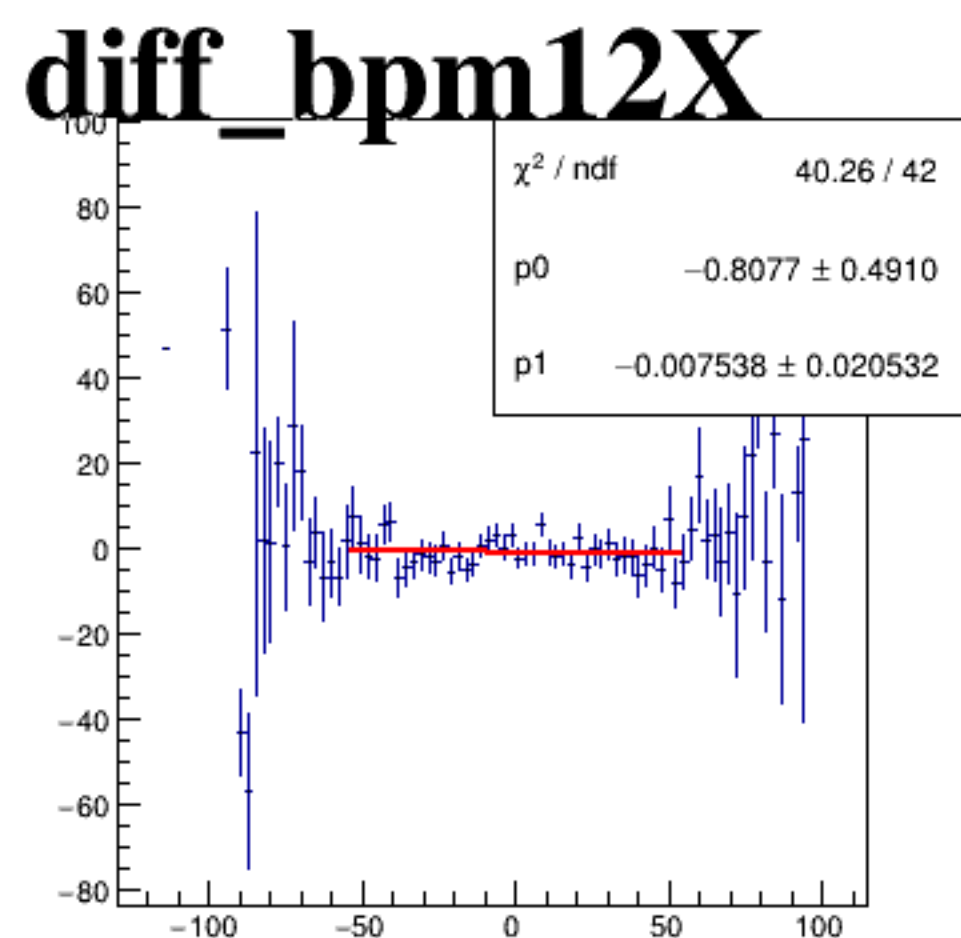
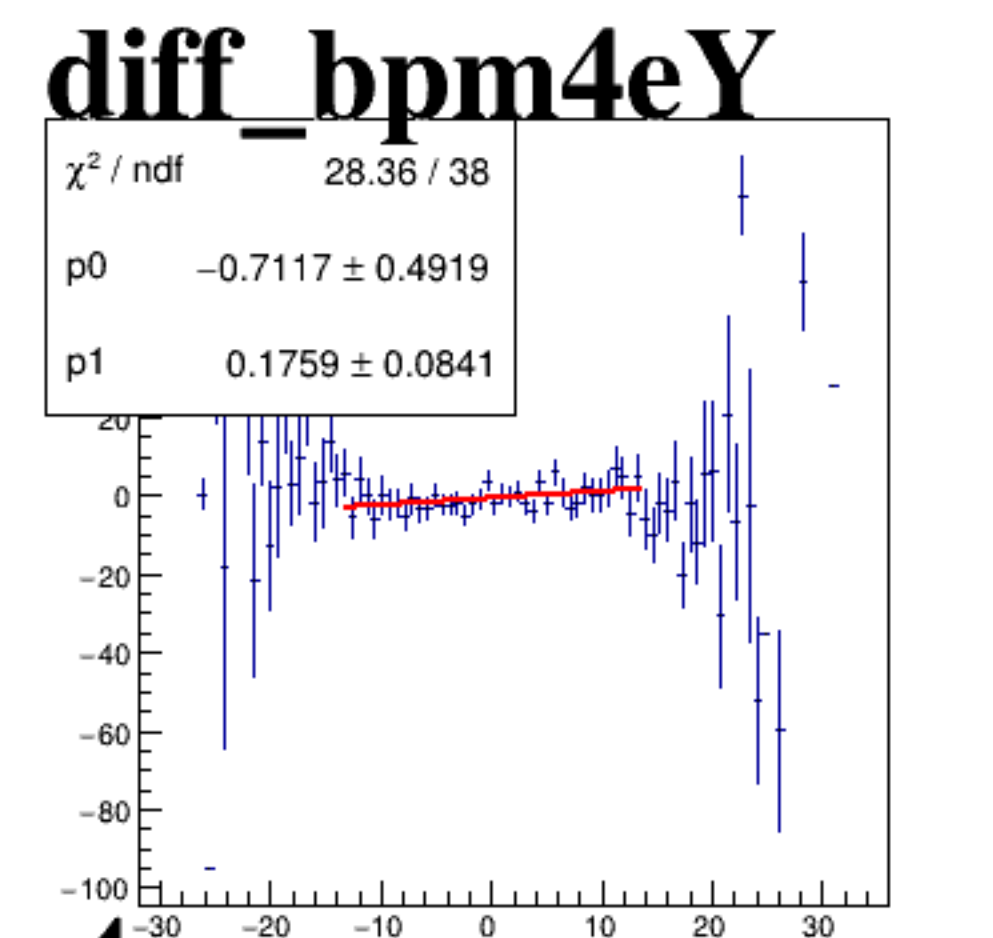
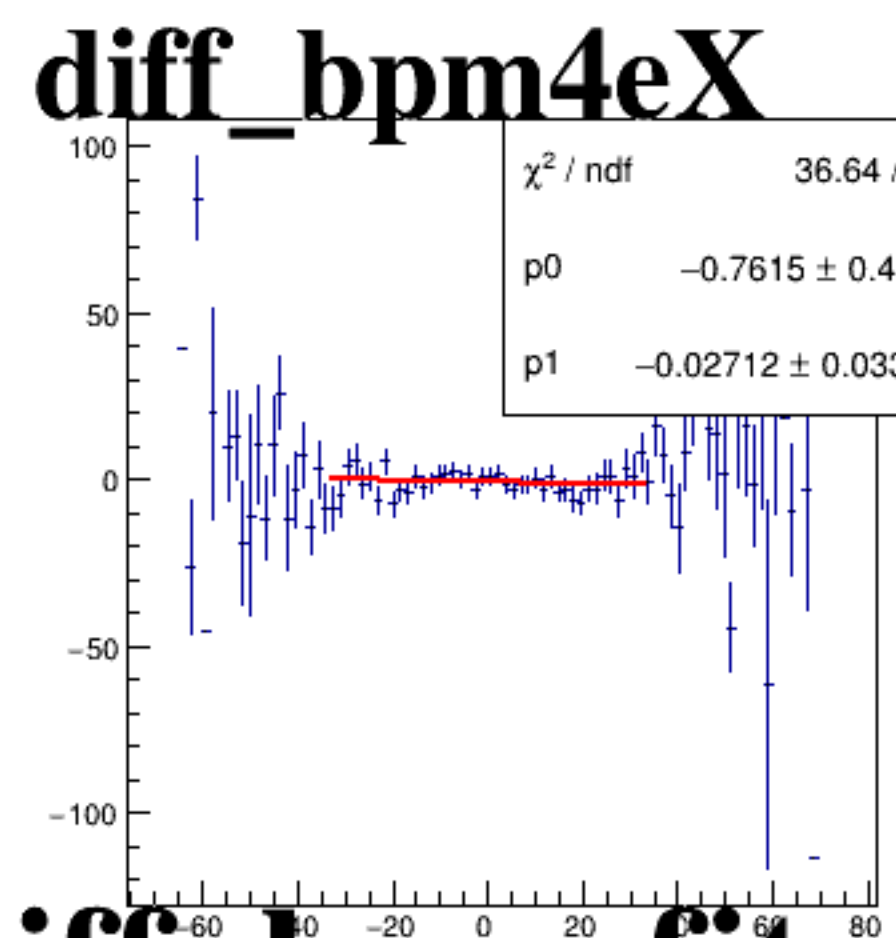
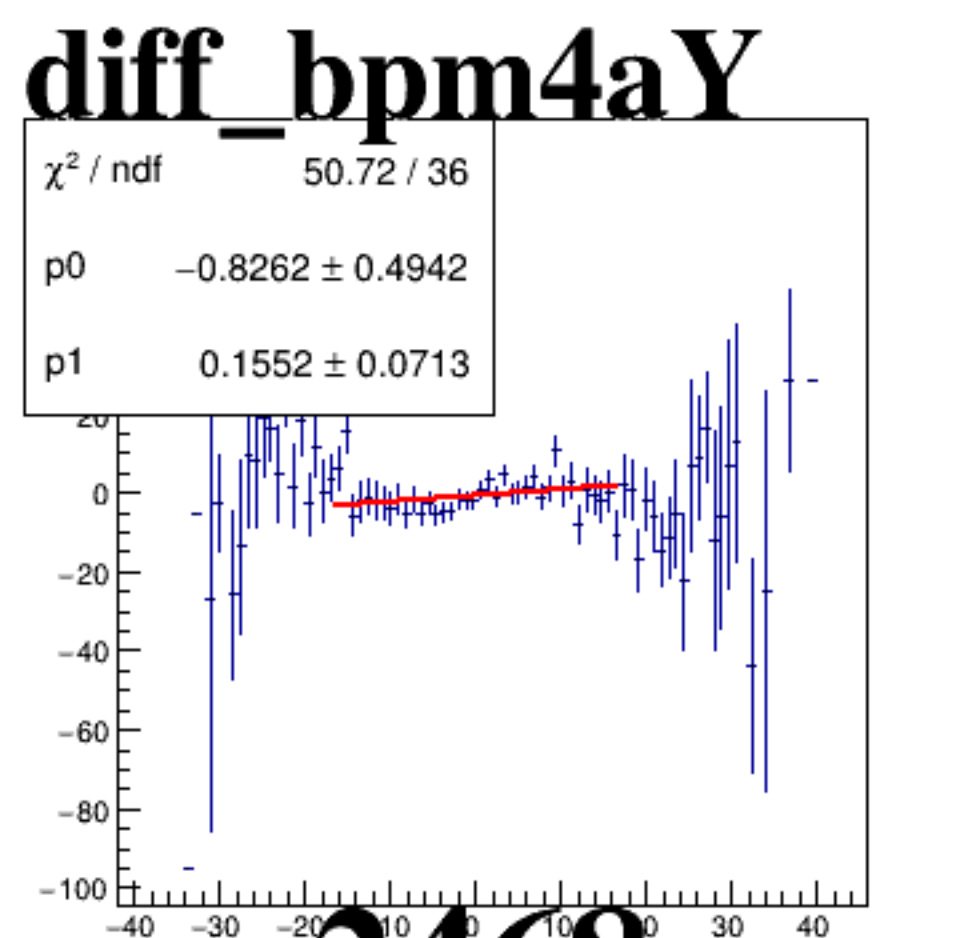
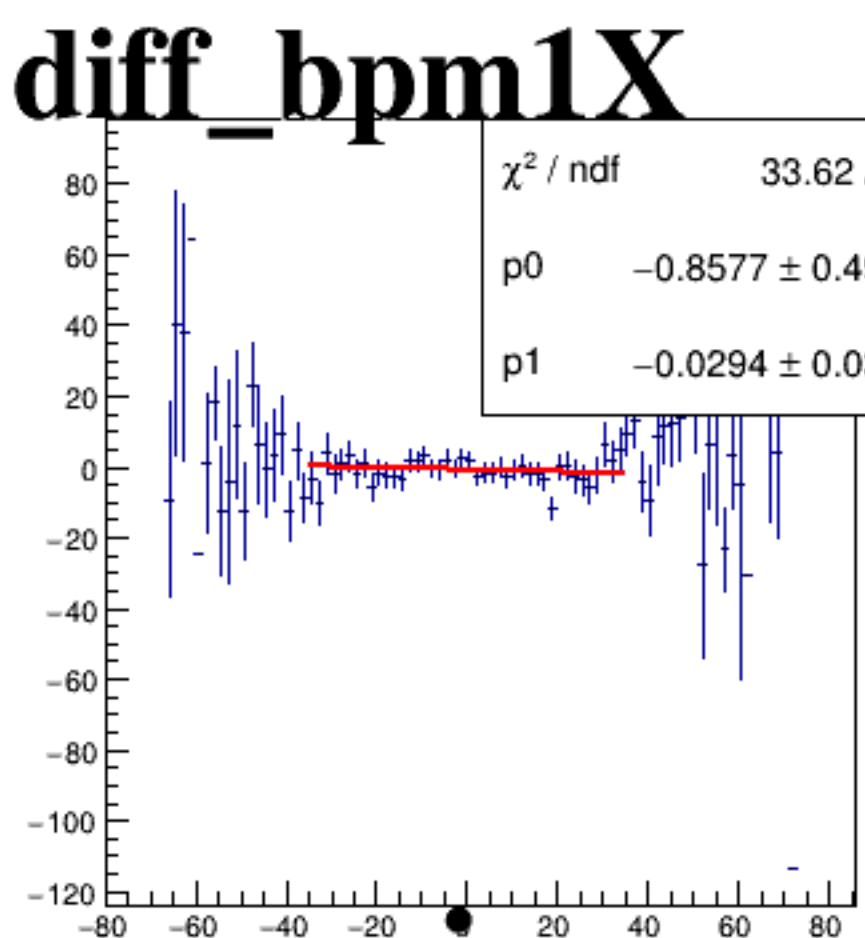
reg_asym_sam4



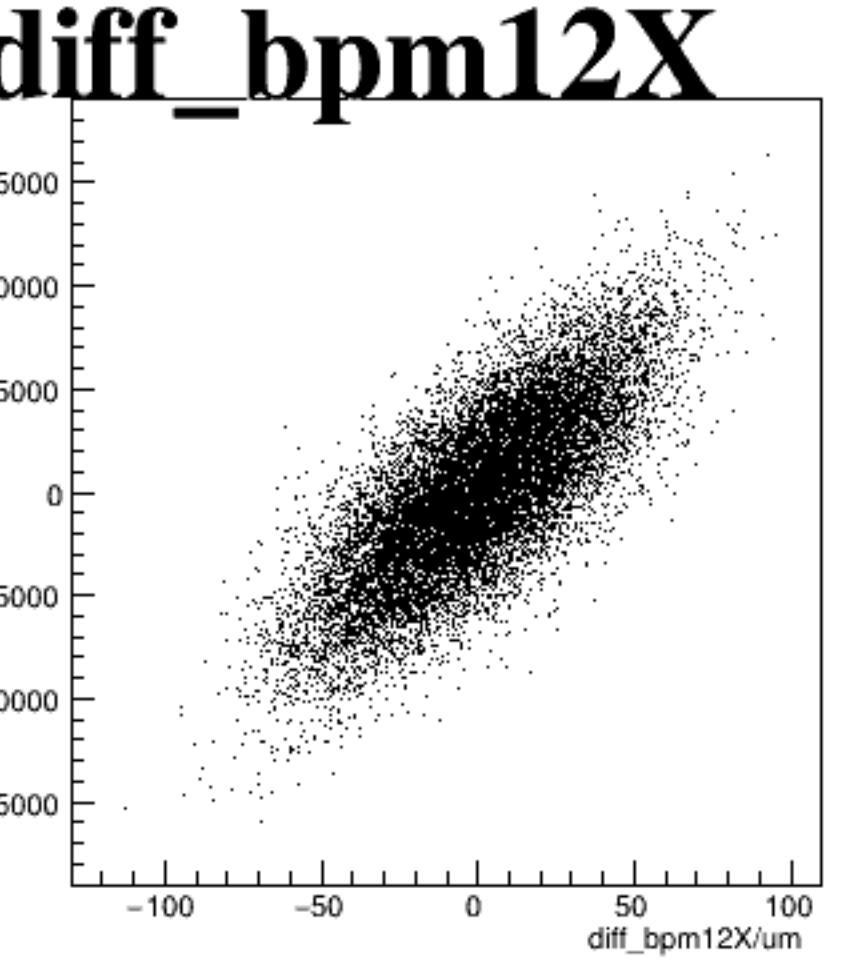
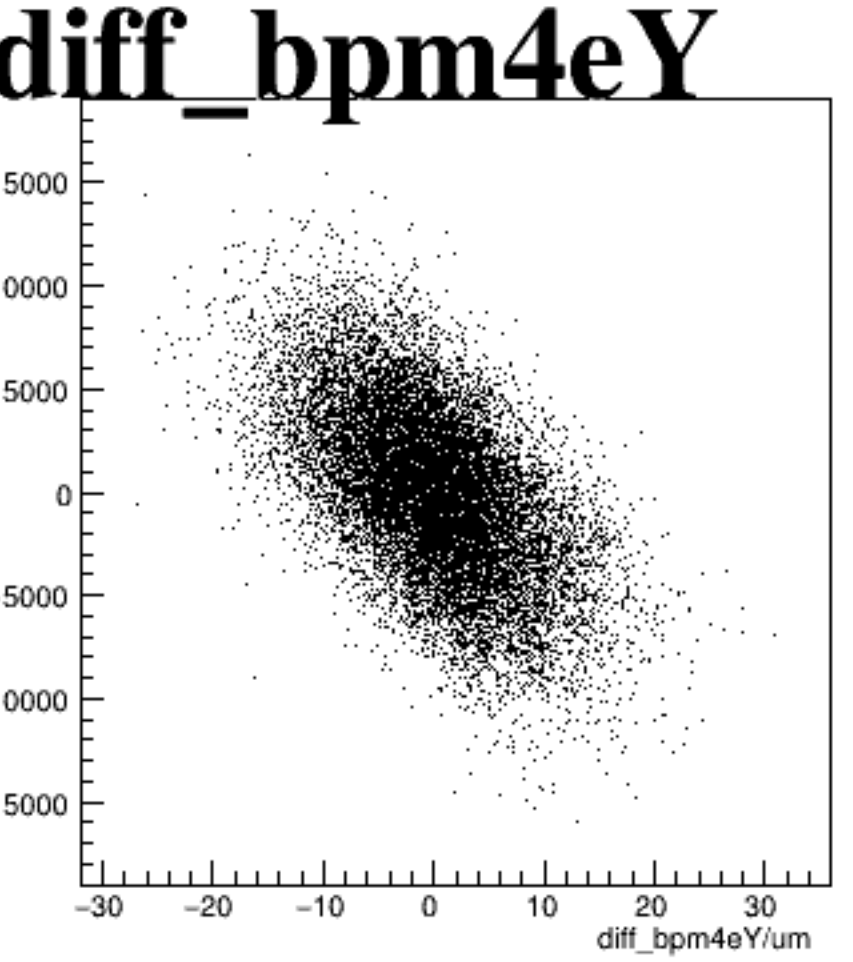
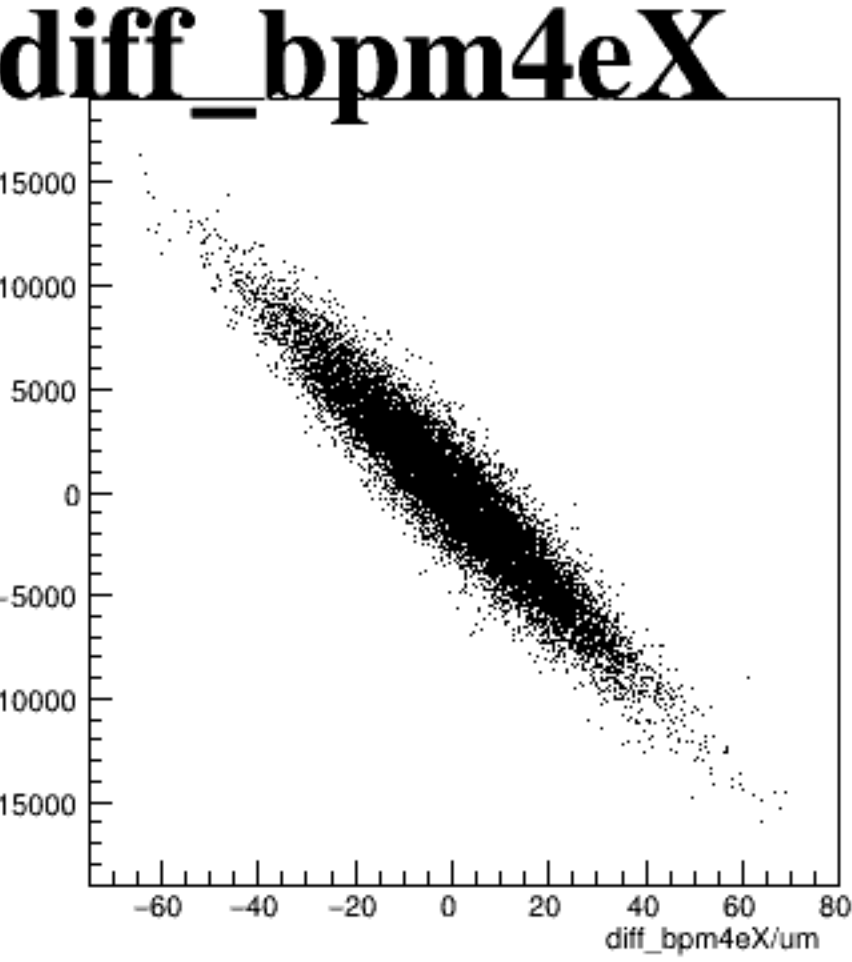
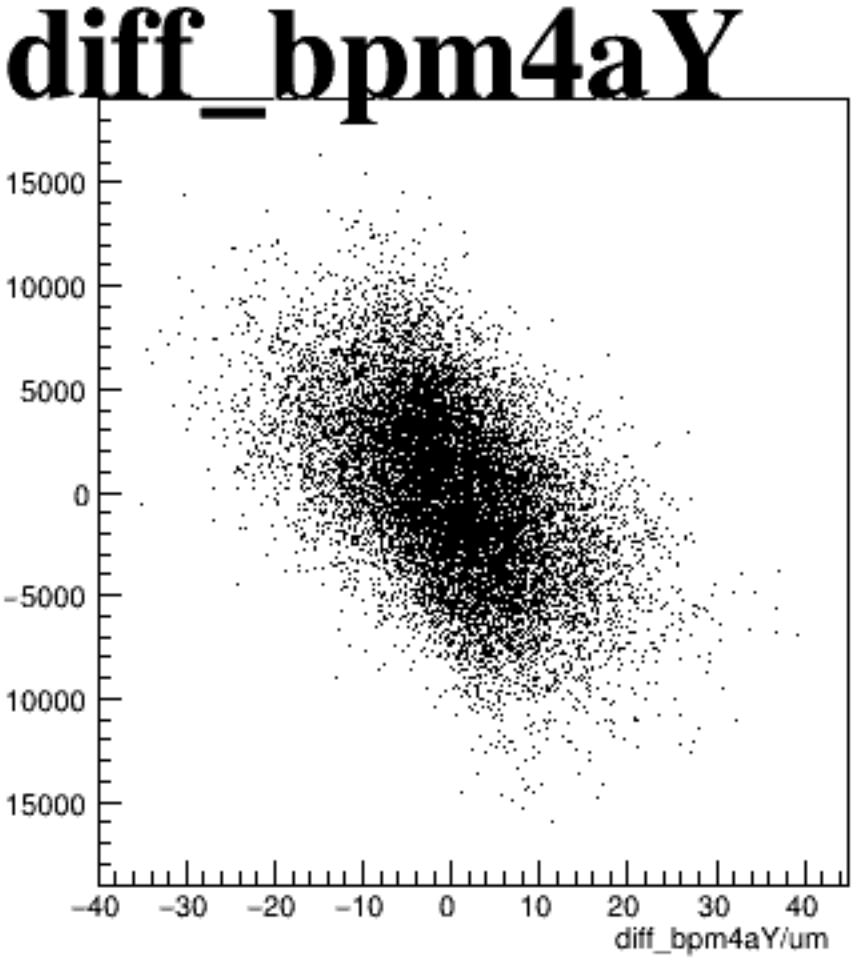
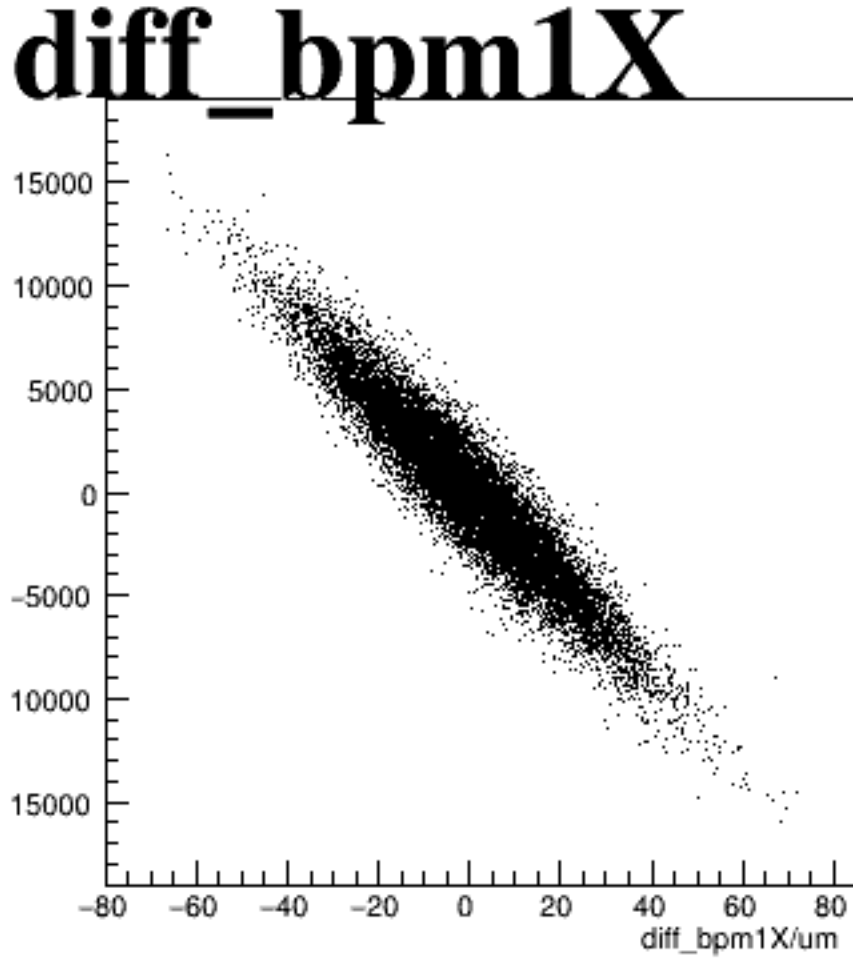
reg_asym_sam6



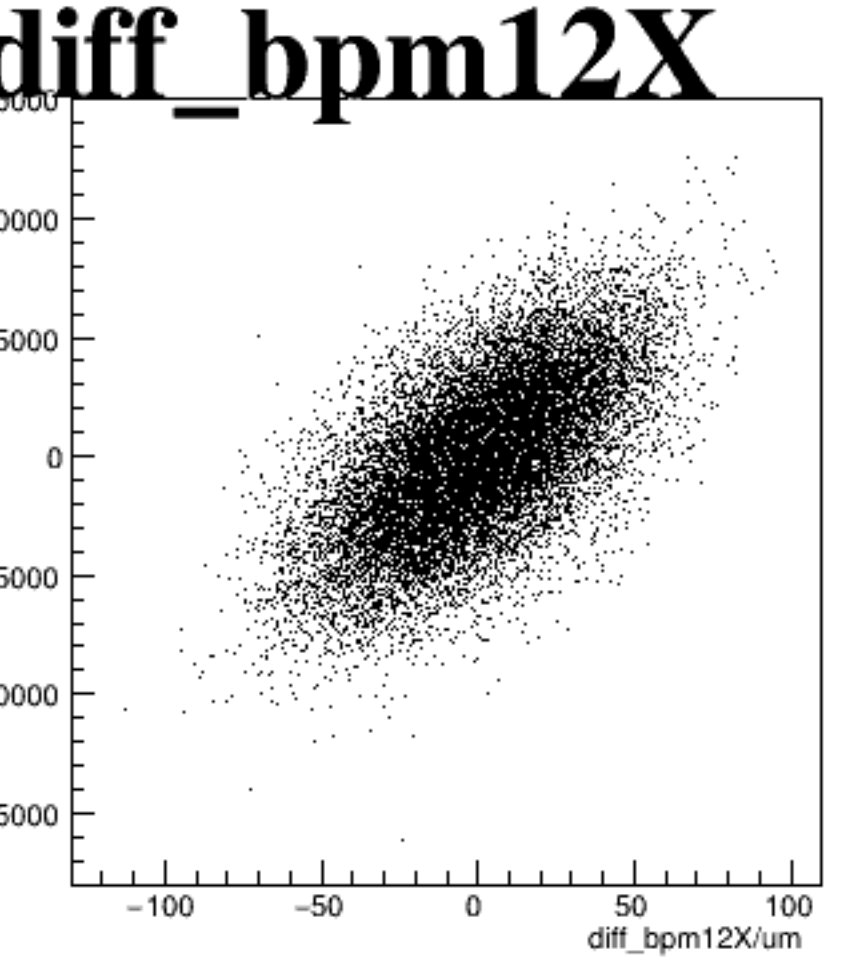
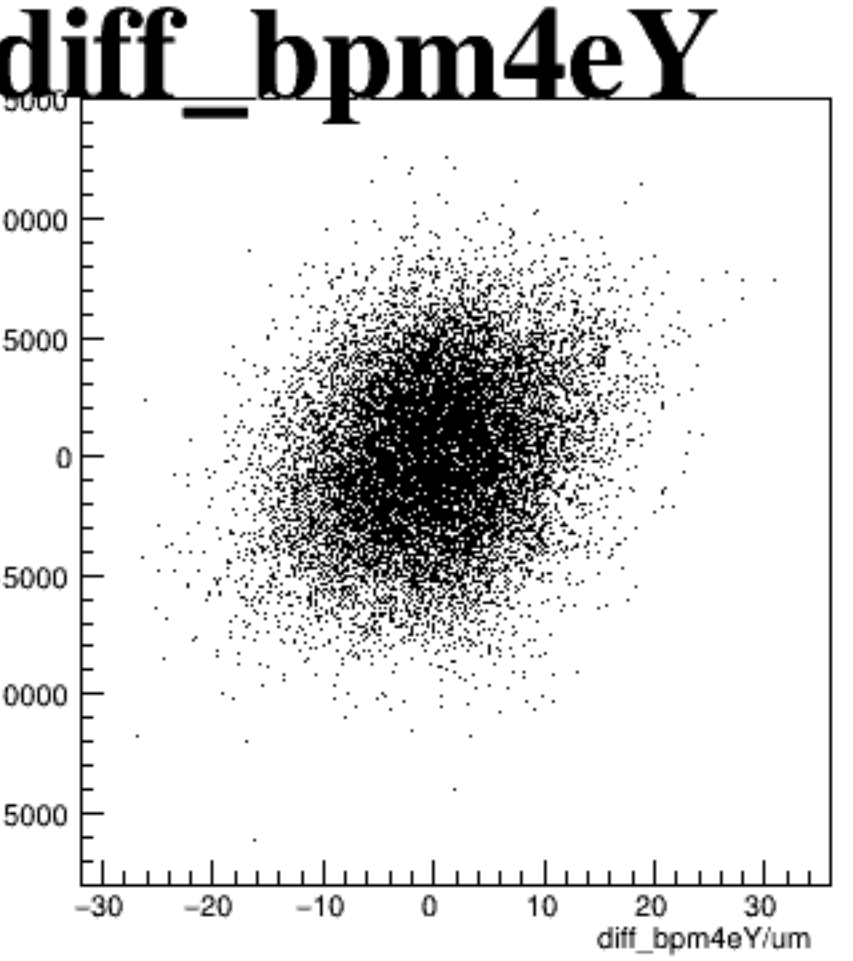
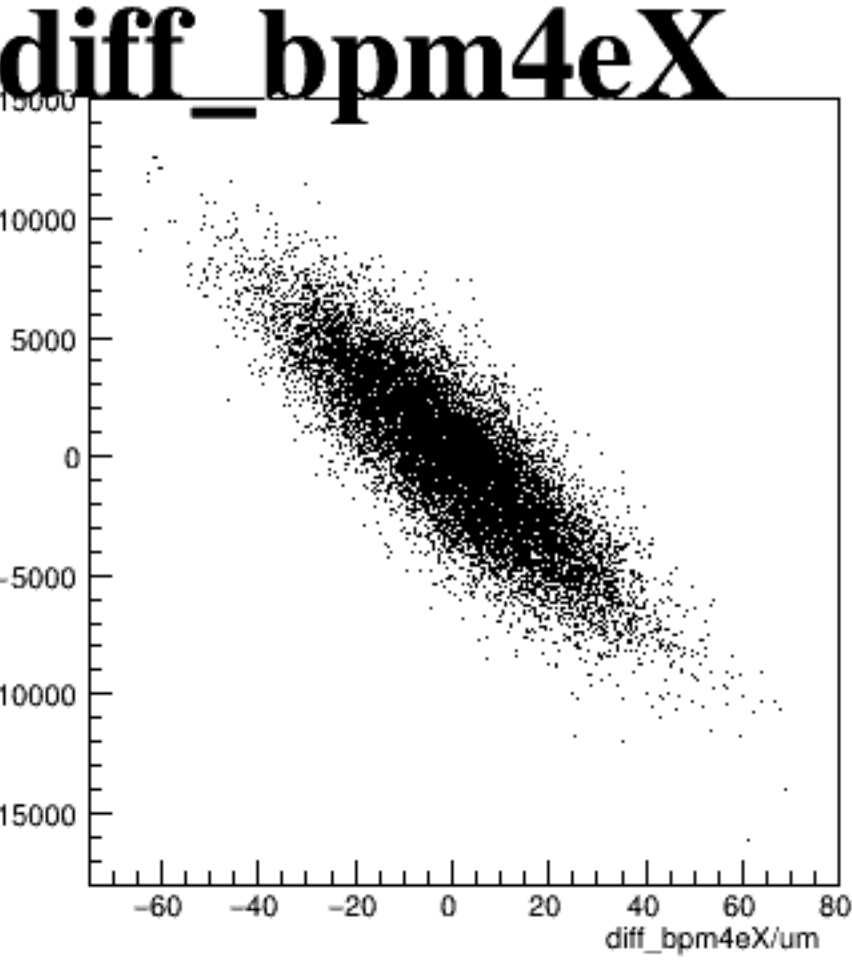
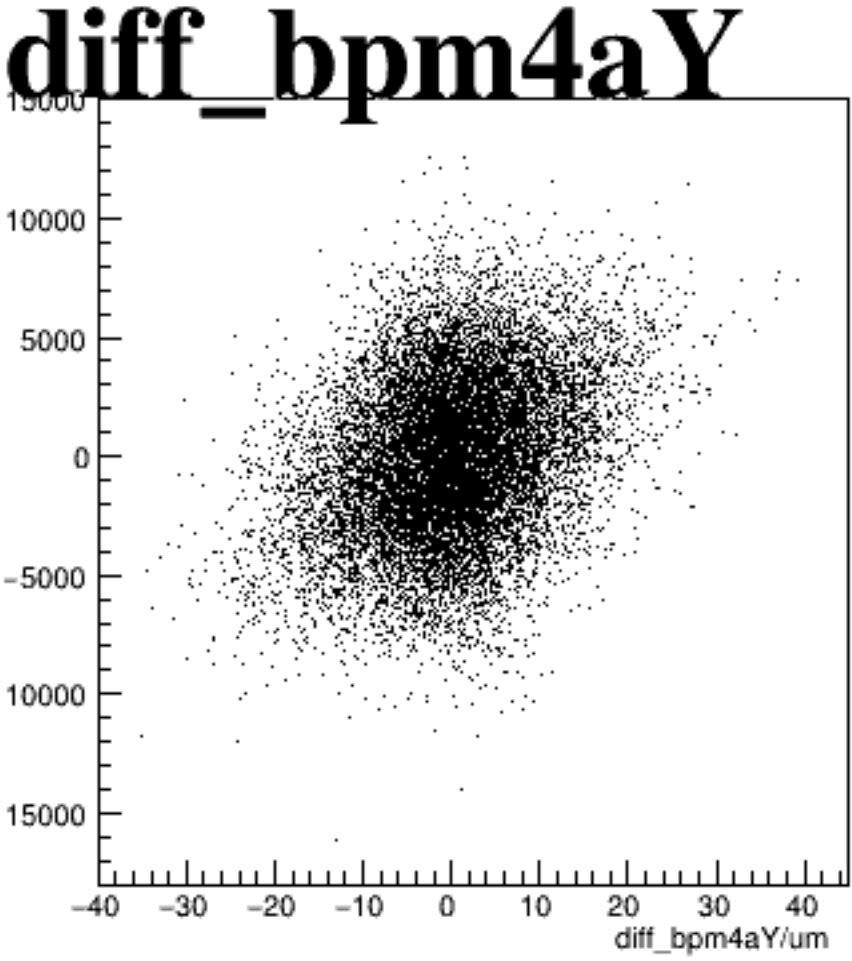
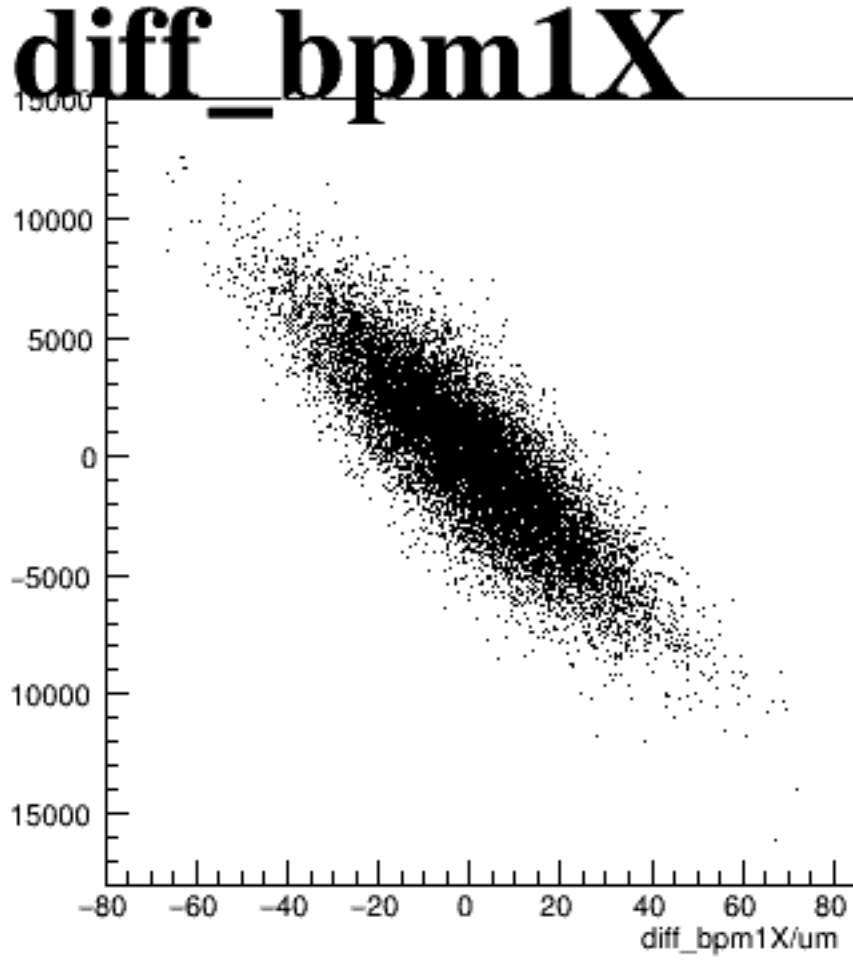
reg_asym_sam8



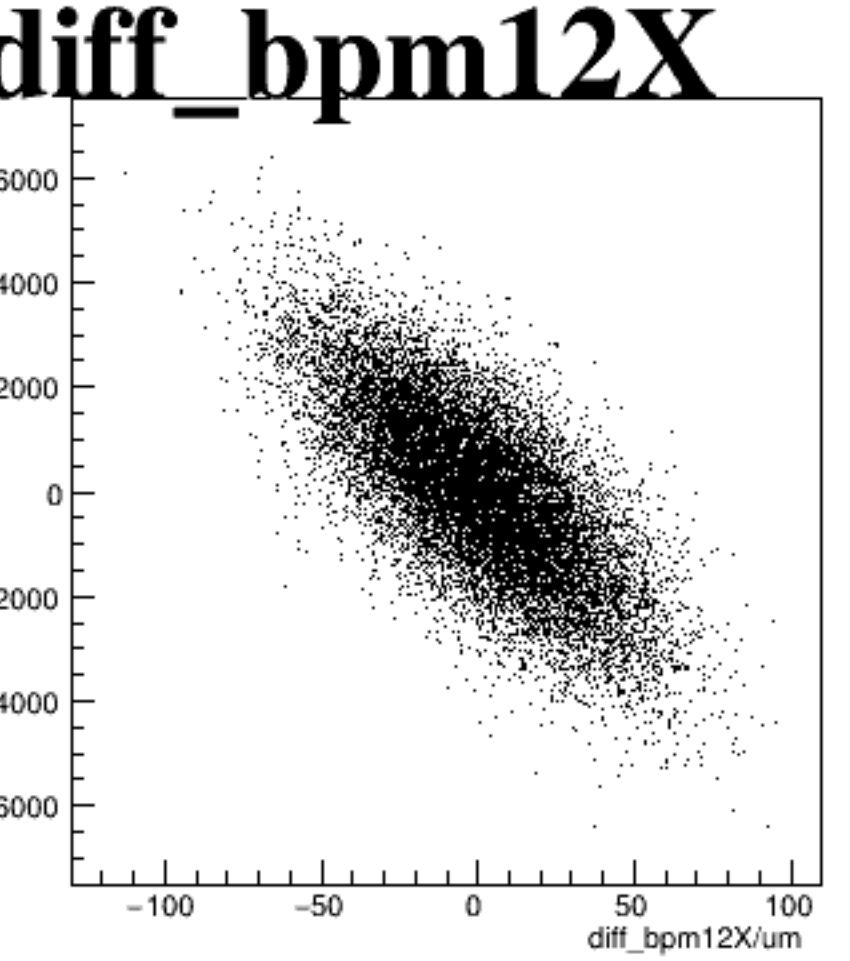
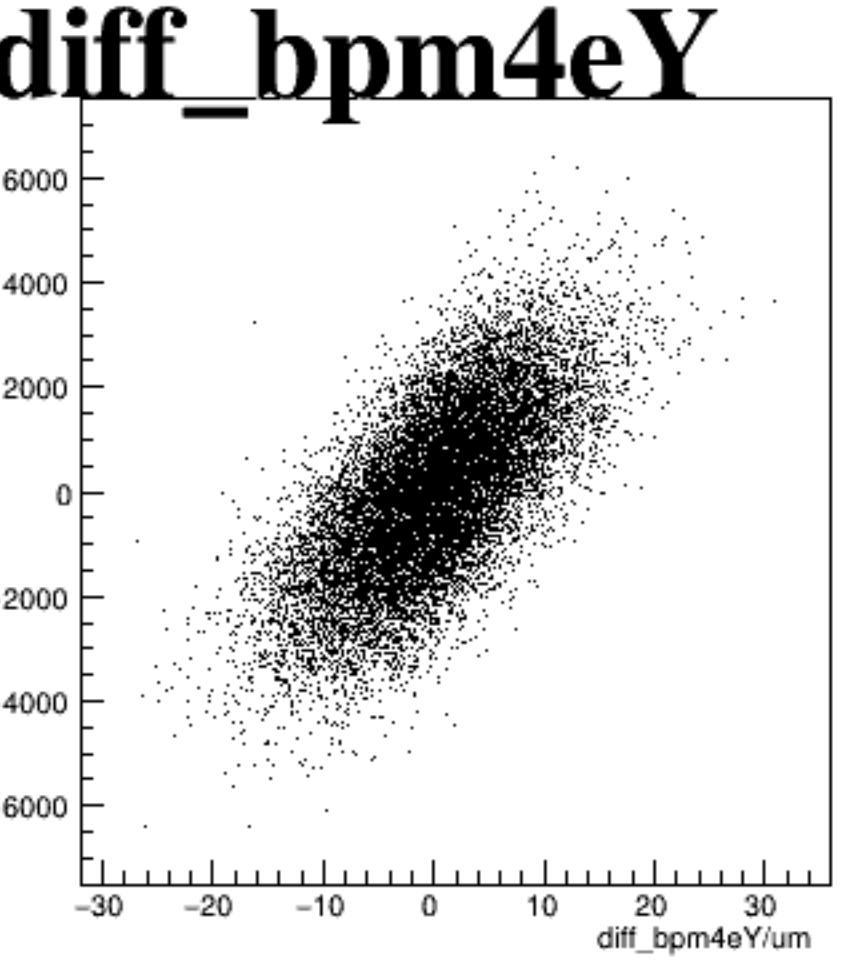
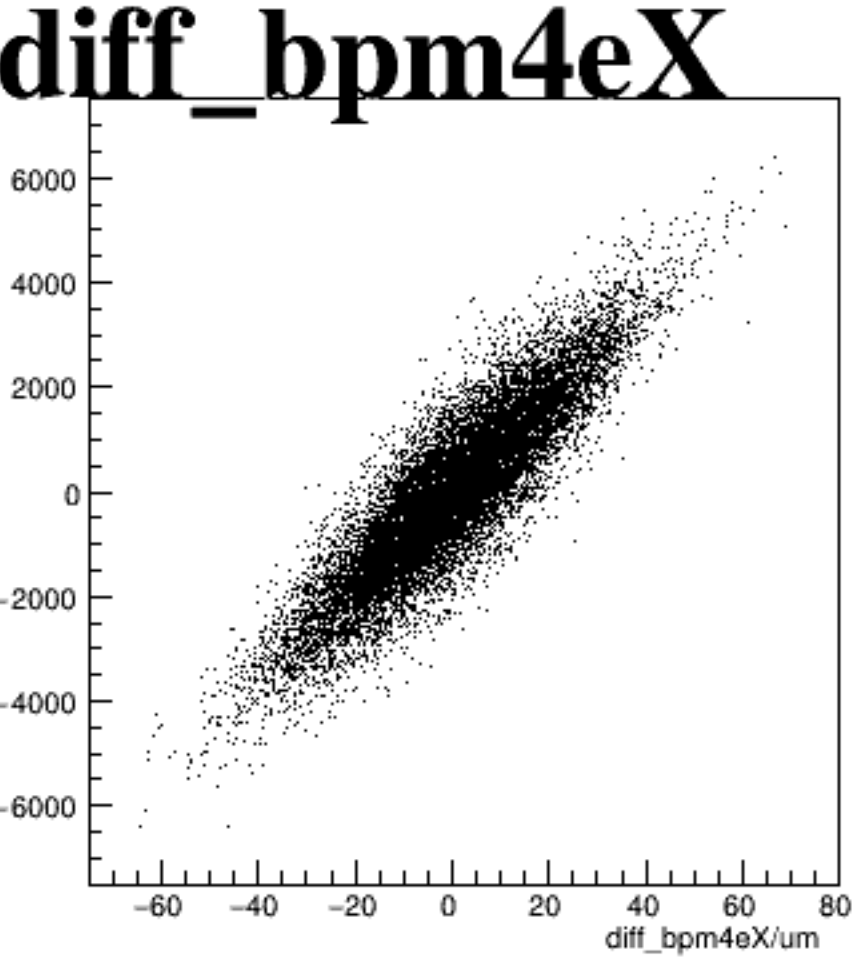
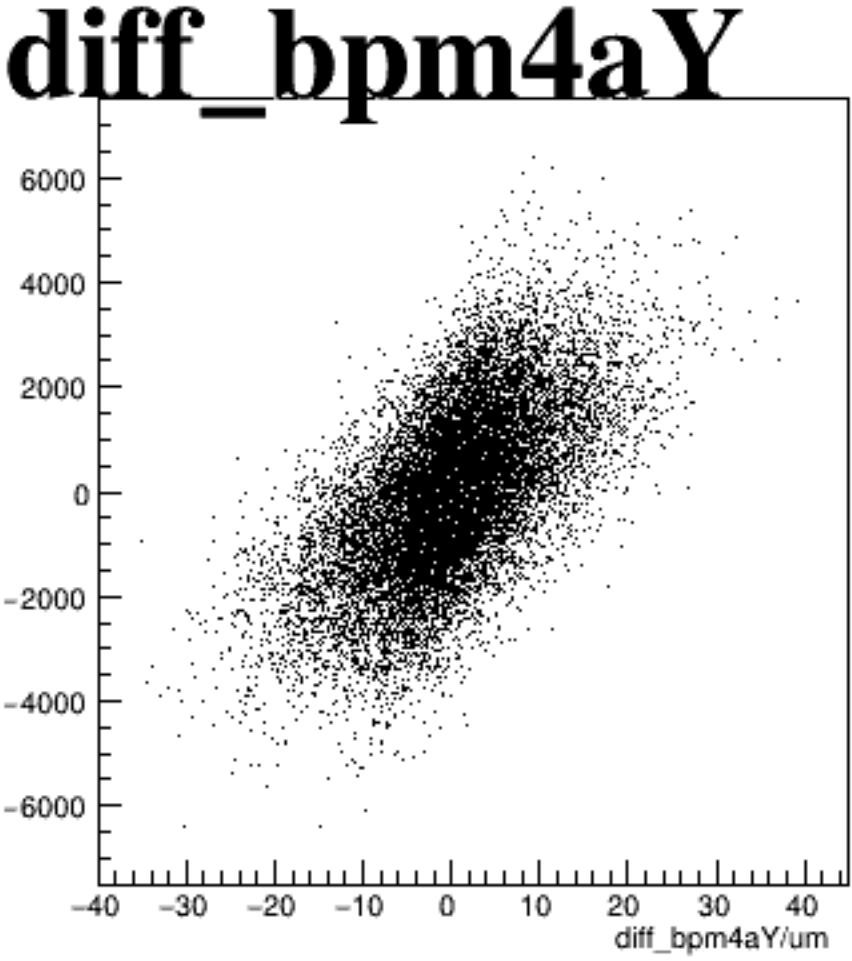
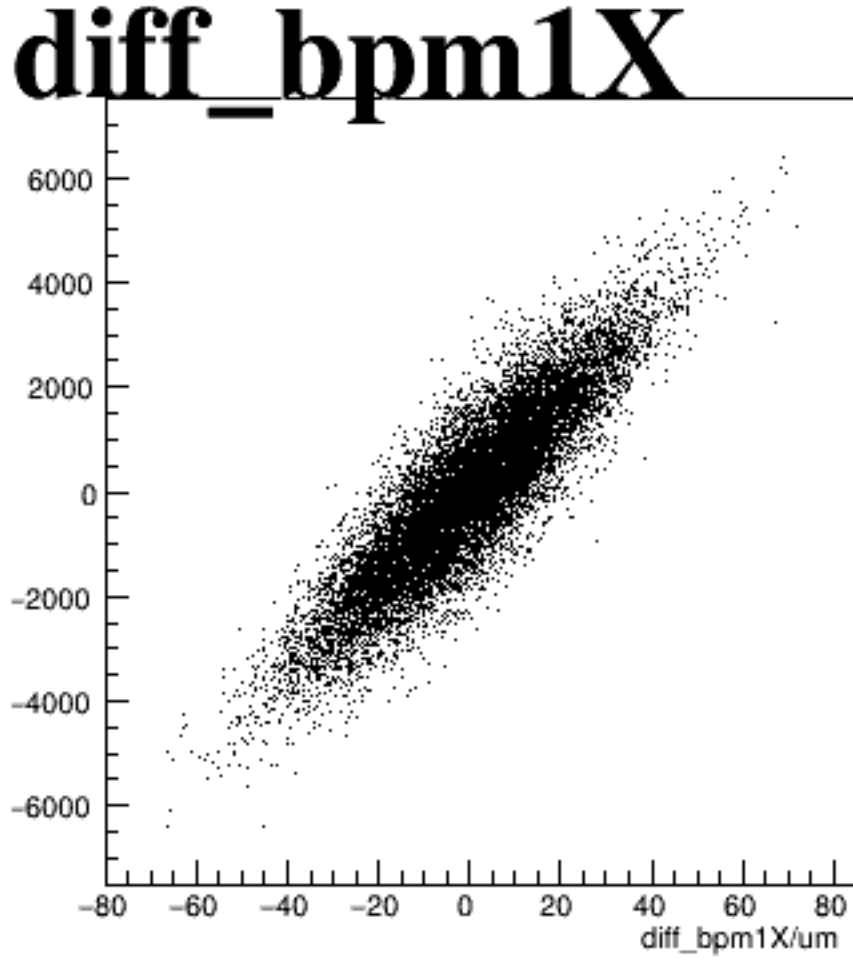
asym_sam2



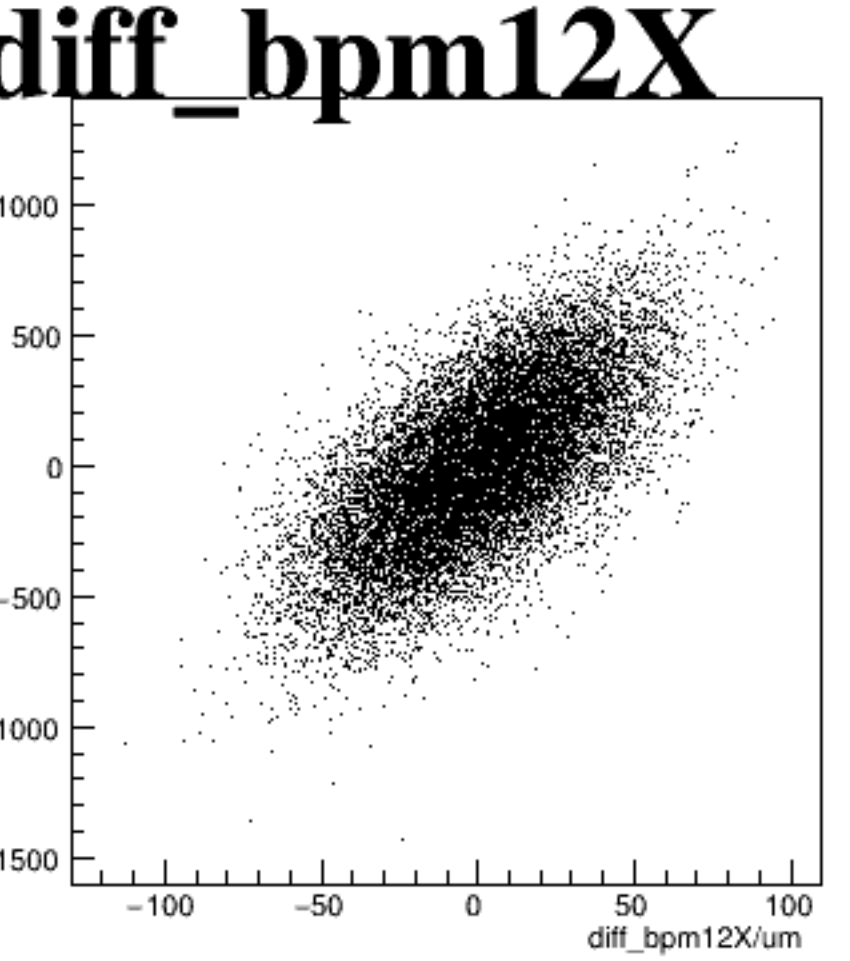
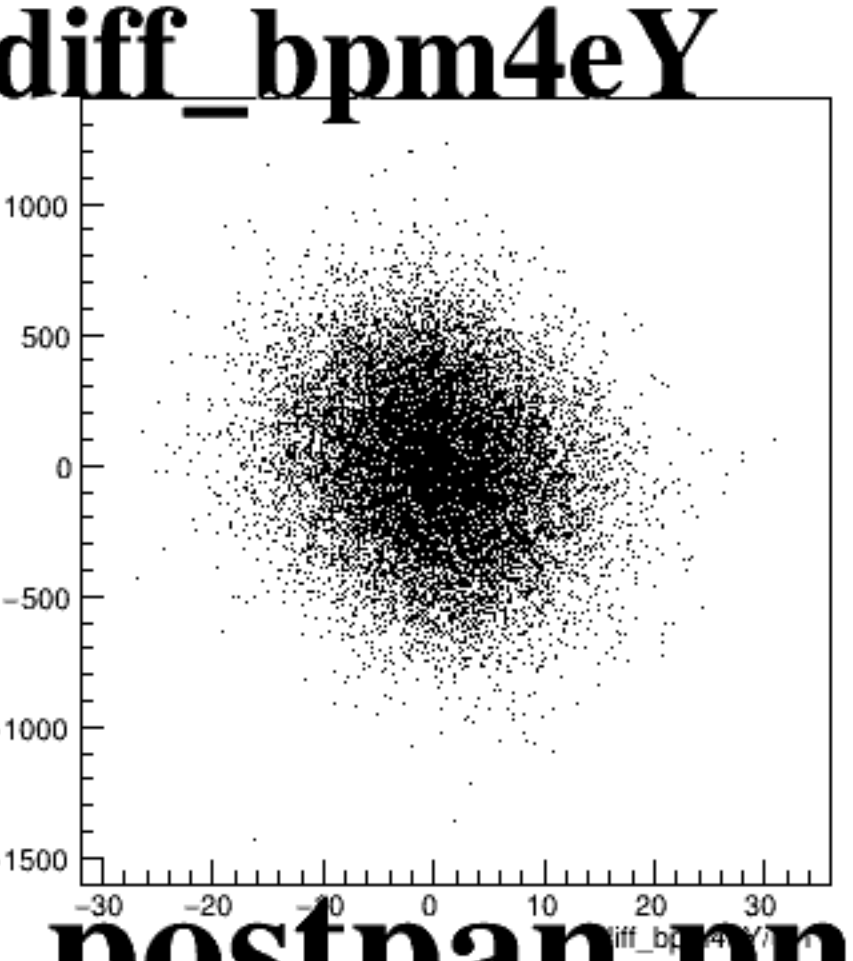
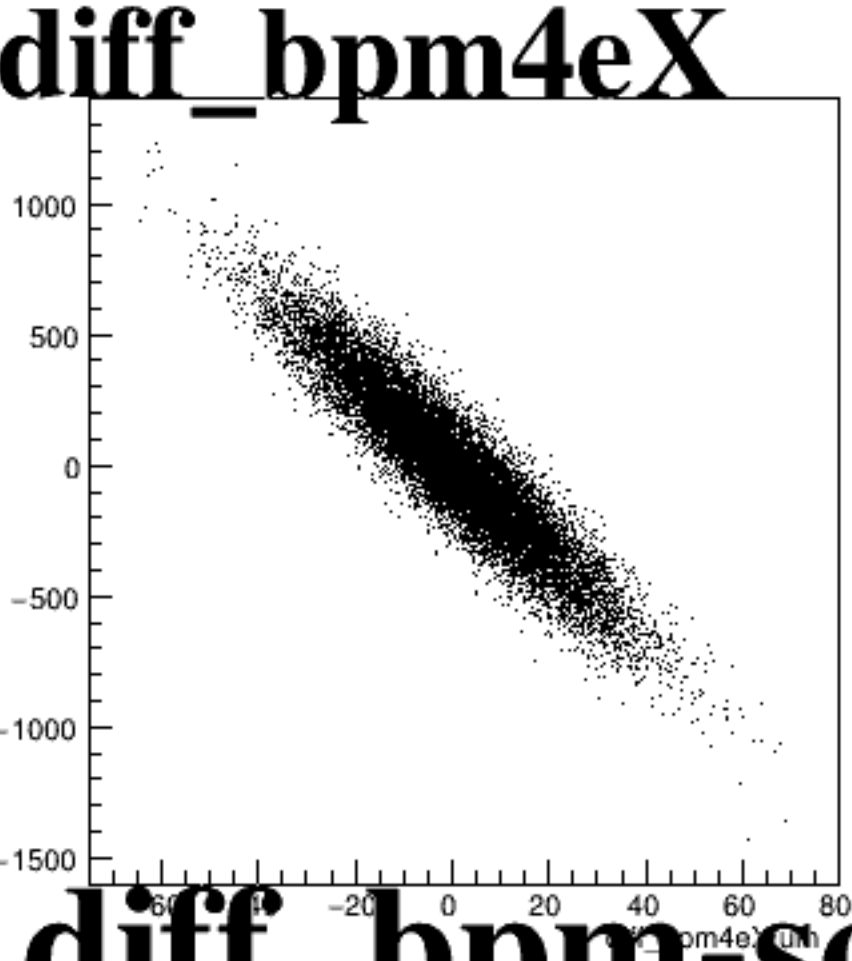
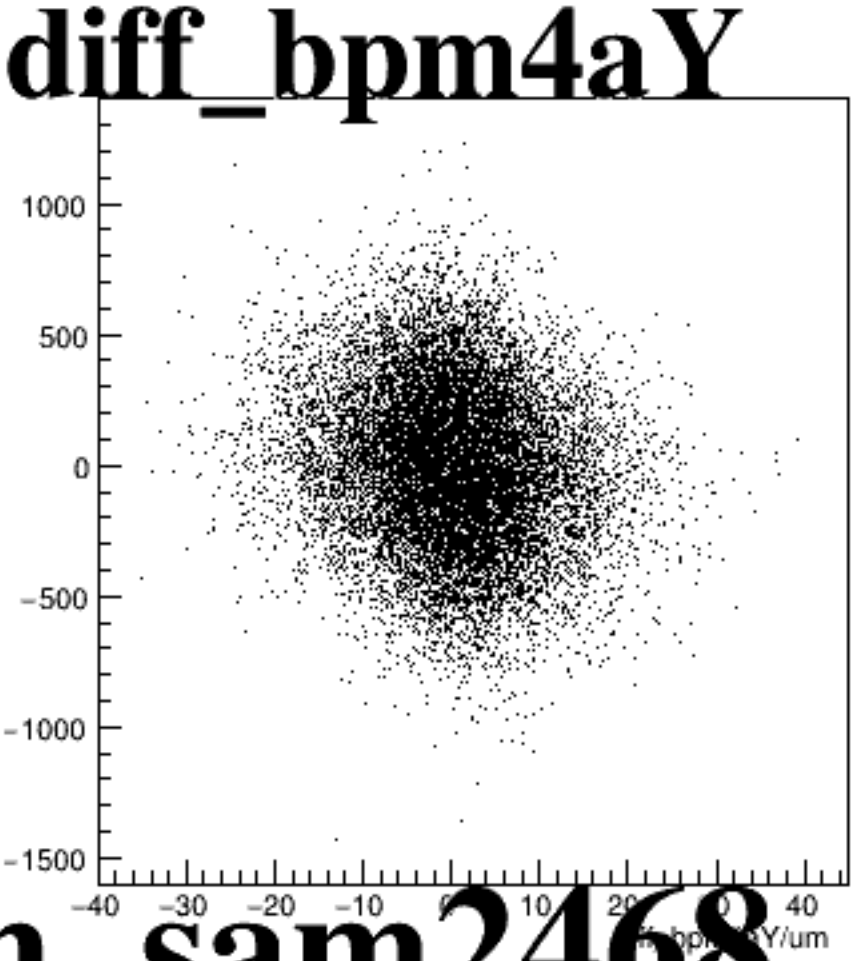
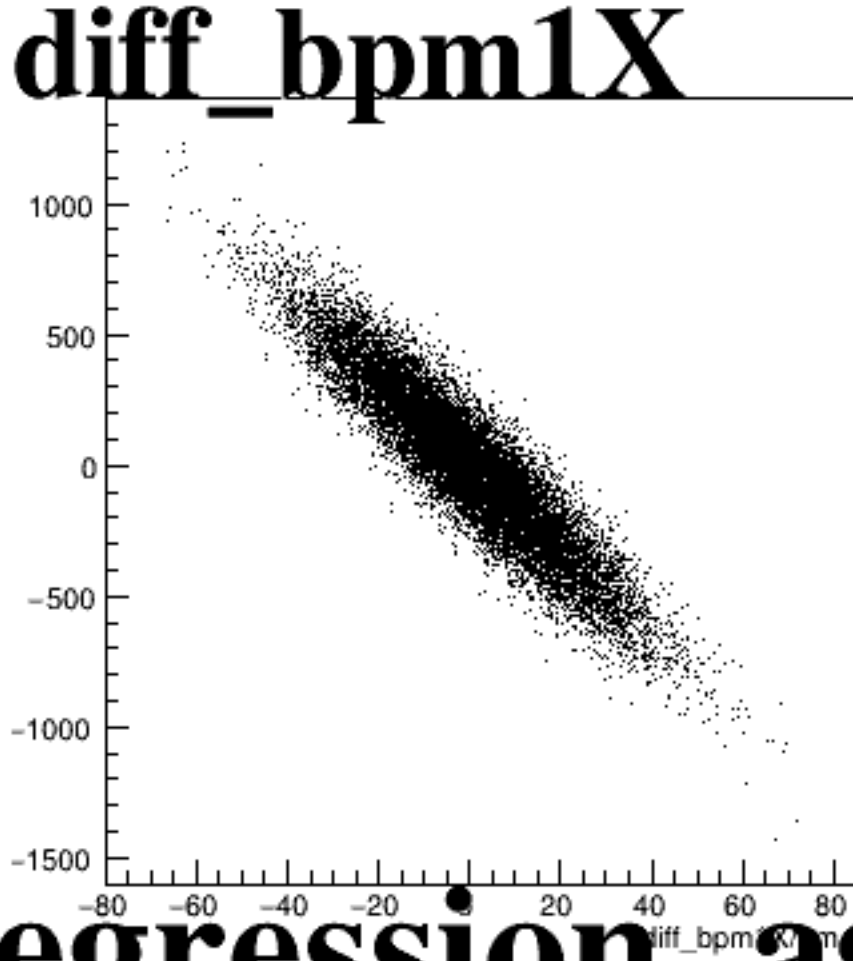
asym_sam4



asym_sam6



asym_sam8

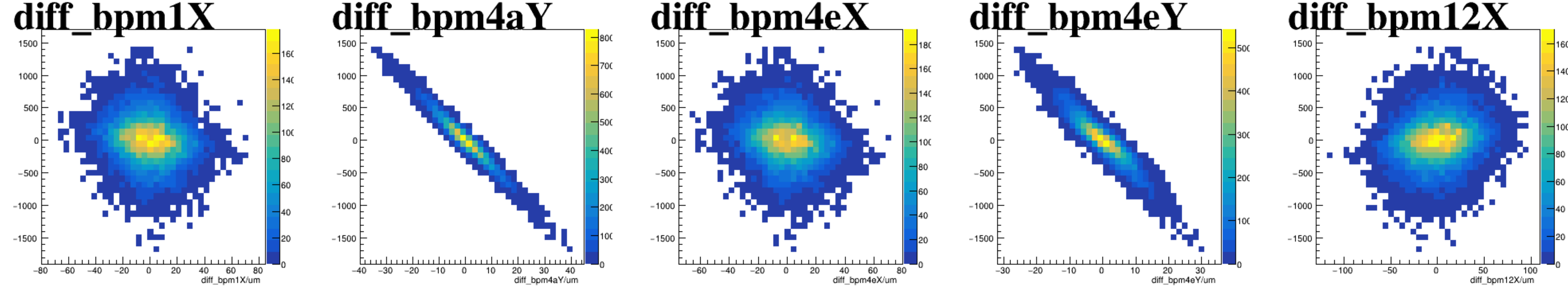


The figure consists of five scatter plots arranged horizontally, each showing the distribution of differences between BPM measurements and um values for a specific beam parameter. The plots are titled as follows:

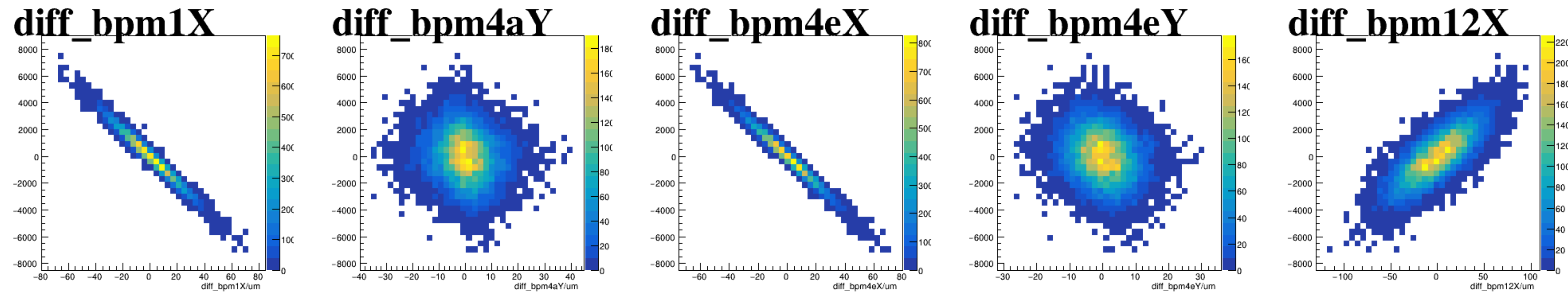
- diff_bpm1X**: The x-axis is labeled $\text{diff_bpm1X}/\text{um}$ and ranges from -80 to 80. The y-axis ranges from -1000 to 1500.
- diff_bpm4aY**: The x-axis is labeled $\text{diff_bpm4aY}/\text{um}$ and ranges from -40 to 40. The y-axis ranges from -1000 to 1500.
- diff_bpm4eX**: The x-axis is labeled $\text{diff_bpm4eX}/\text{um}$ and ranges from -60 to 80. The y-axis ranges from -1000 to 1500.
- diff_bpm4eY**: The x-axis is labeled $\text{diff_bpm4eY}/\text{um}$ and ranges from -30 to 30. The y-axis ranges from -1000 to 1500.
- diff_bpm12X**: The x-axis is labeled $\text{diff_bpm12X}/\text{um}$ and ranges from -100 to 100. The y-axis ranges from -1000 to 1500.

All plots show a dense, roughly circular cloud of points centered around (0,0), indicating that the differences are generally small and randomly distributed.

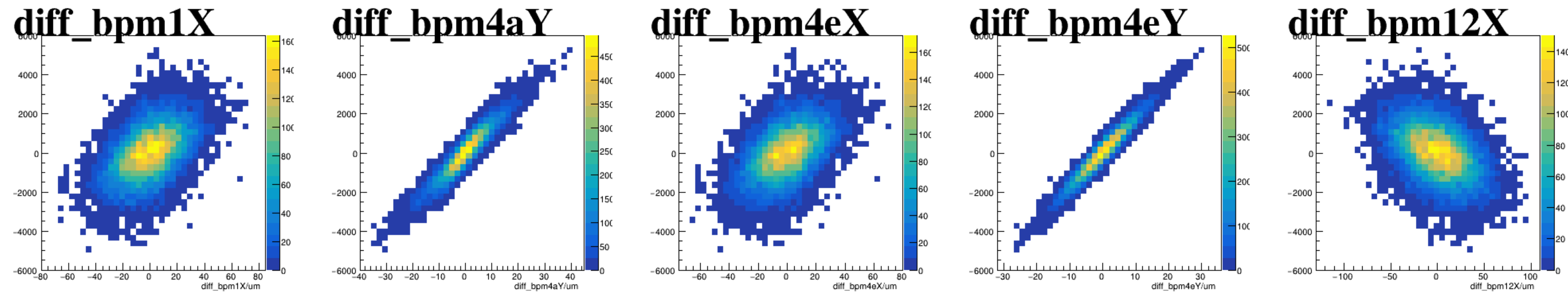
asym_sam1



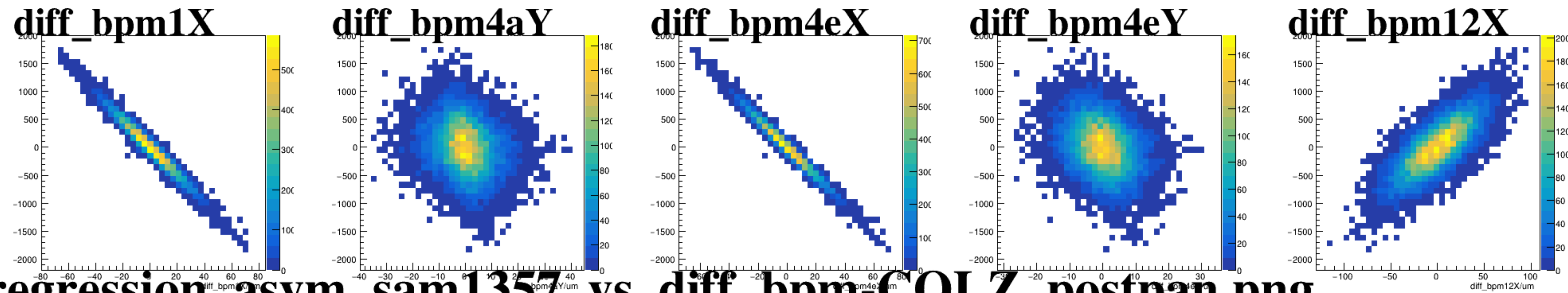
asym_sam3



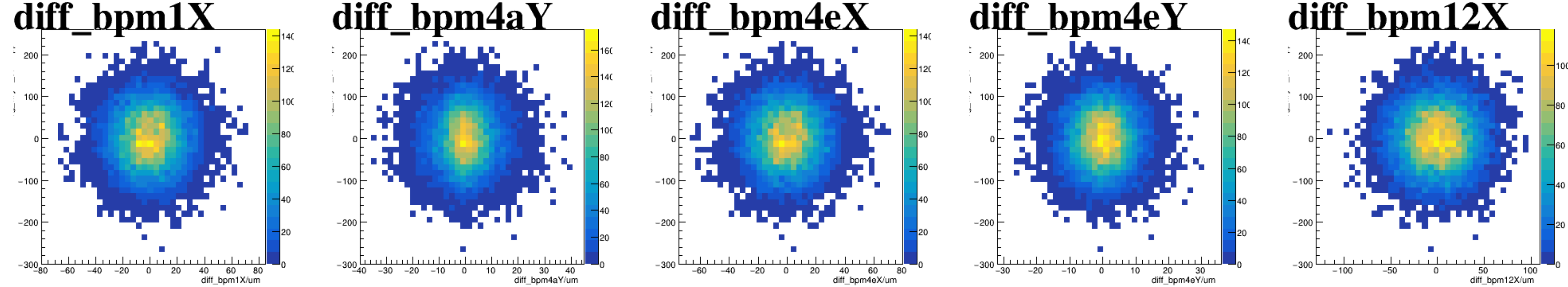
asym_sam5



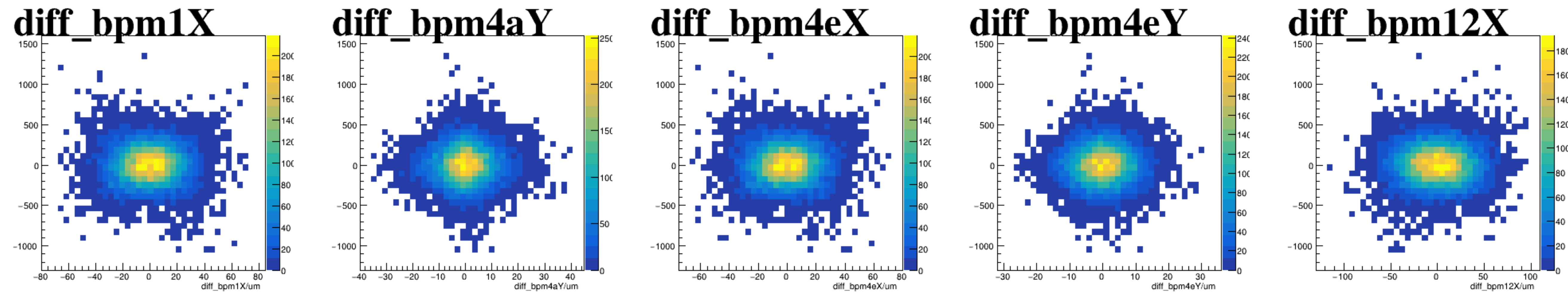
asym_sam7



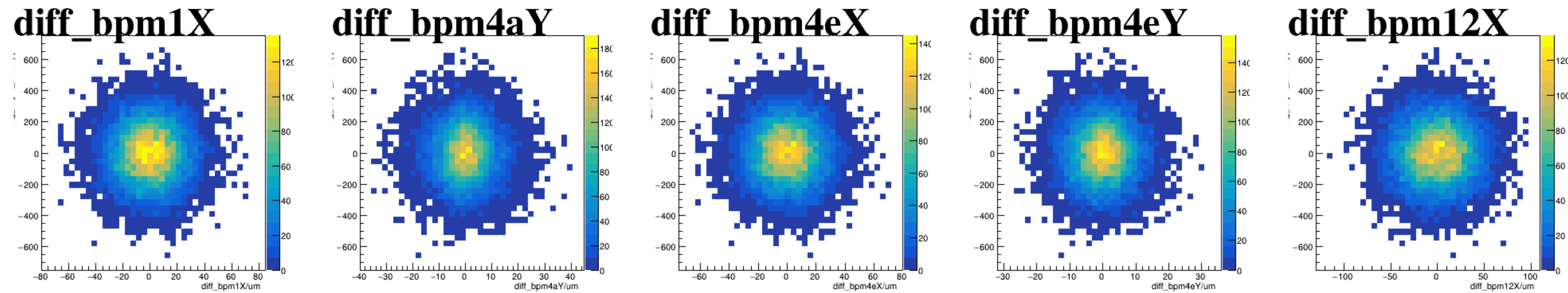
reg_asym_sam1



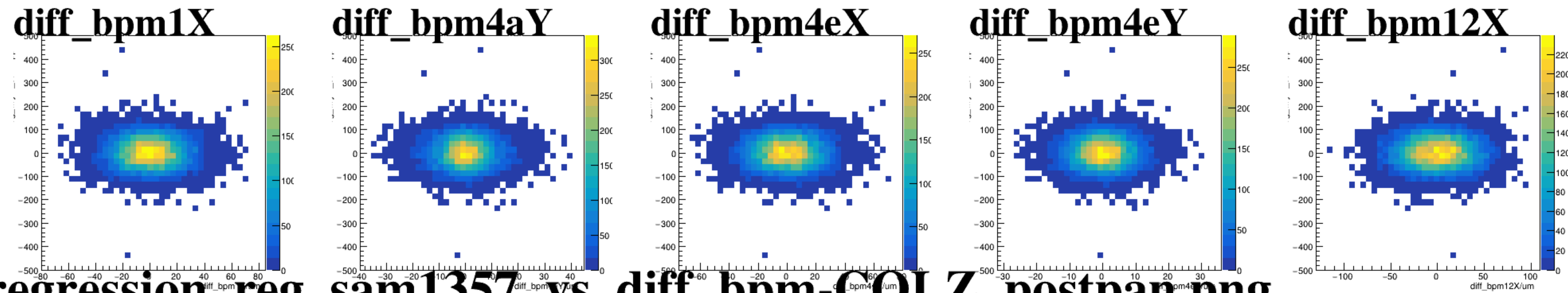
reg_asym_sam3



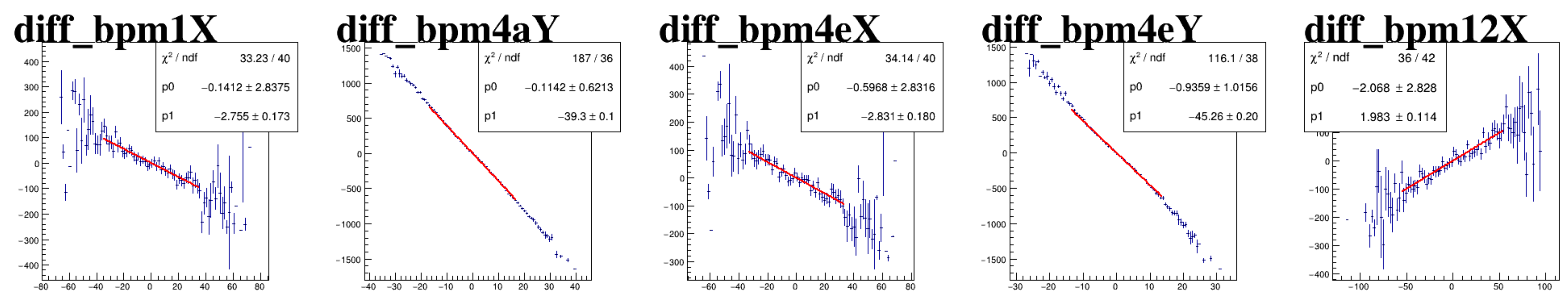
reg_asym_sam5



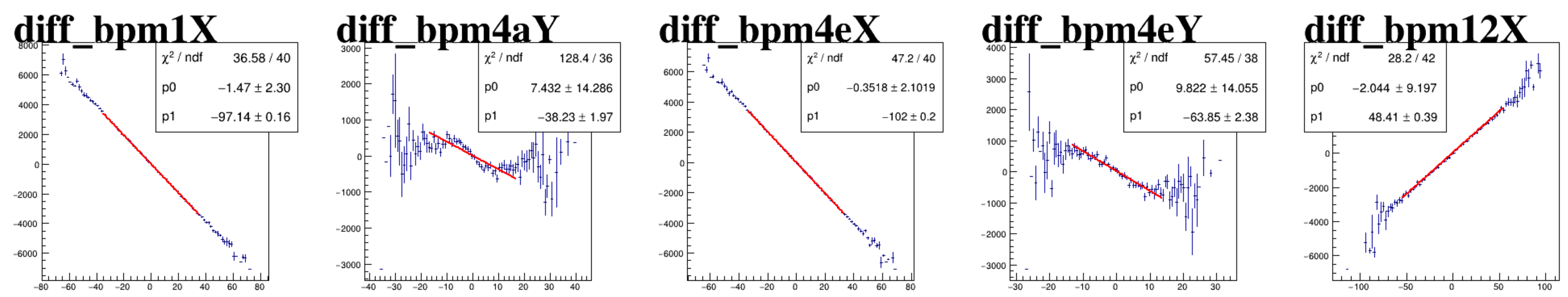
reg_asym_sam7



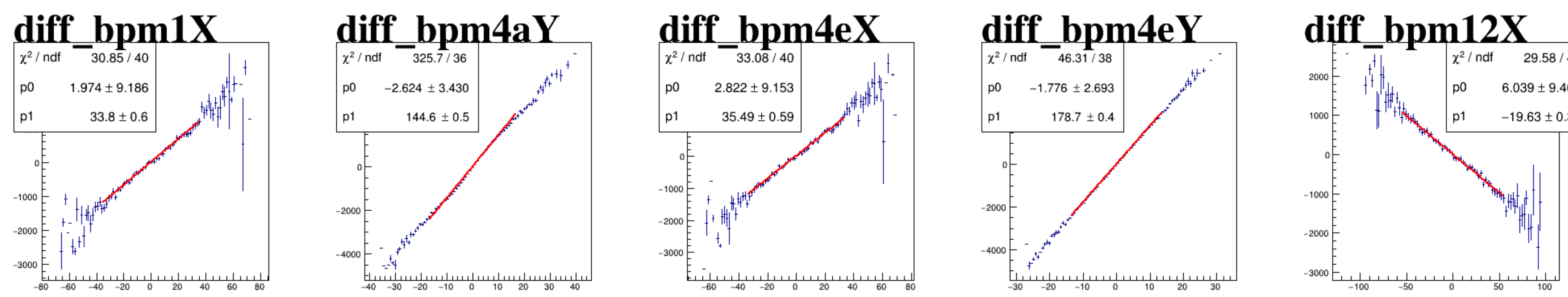
asym_sam1



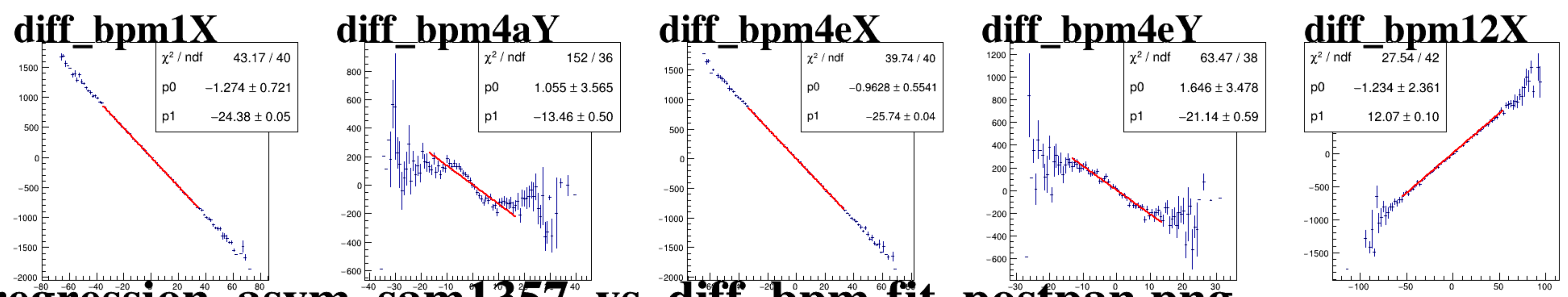
asym_sam3



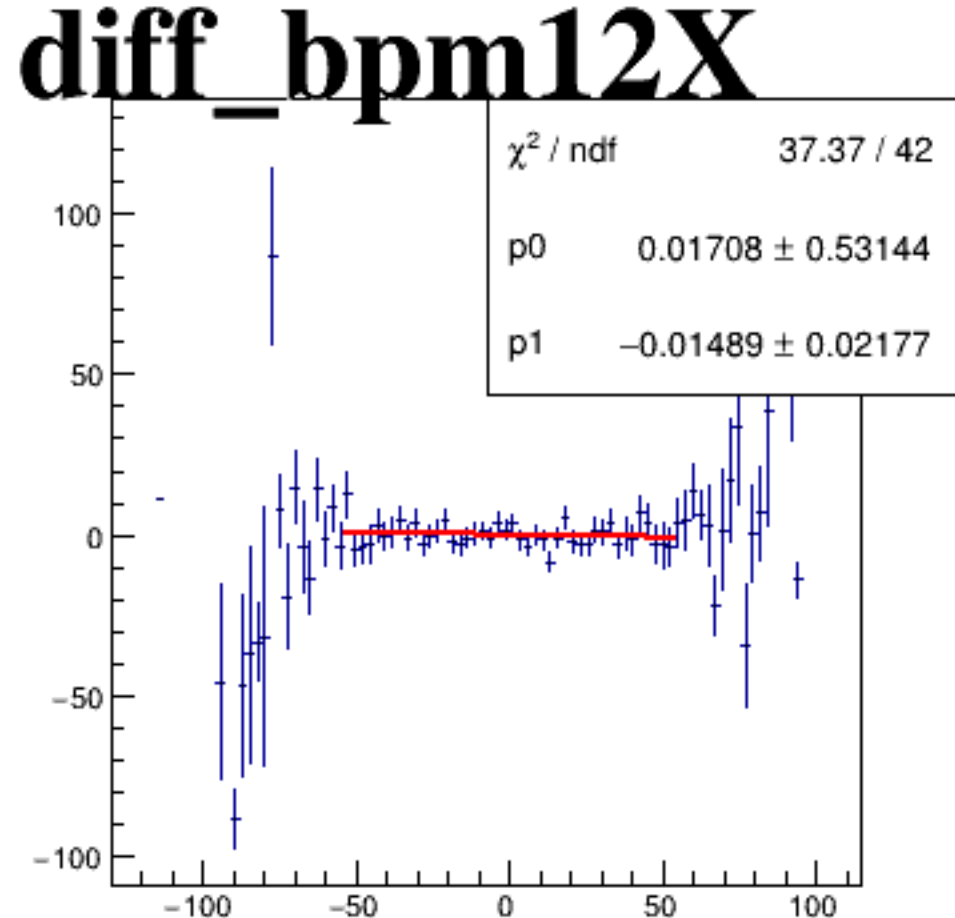
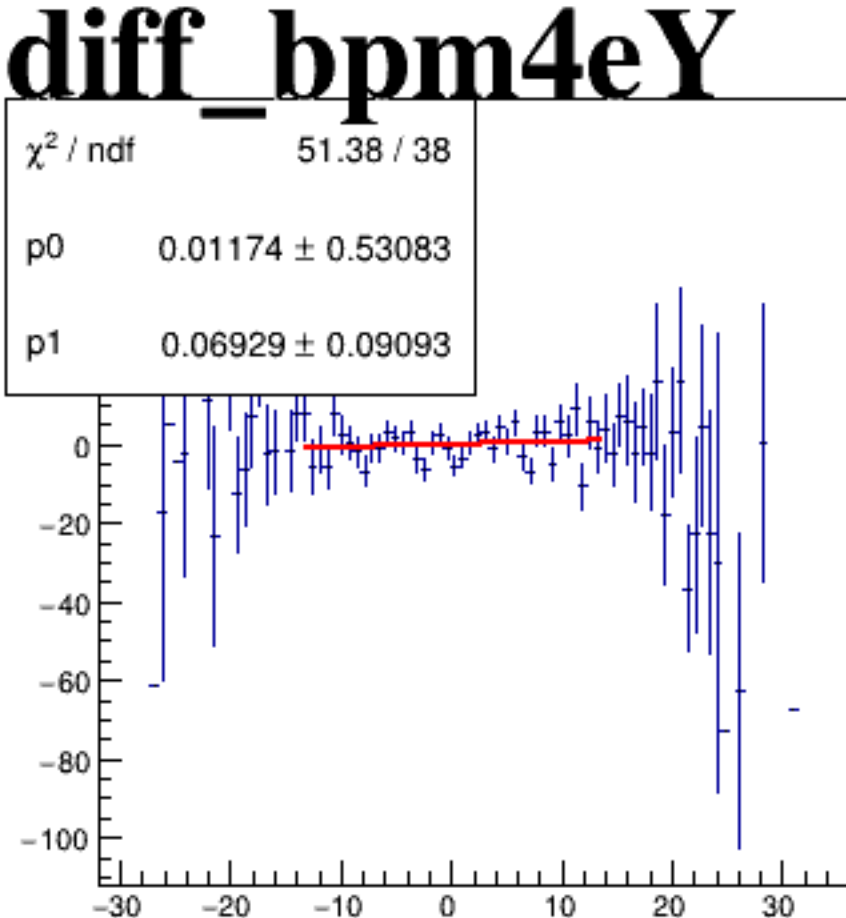
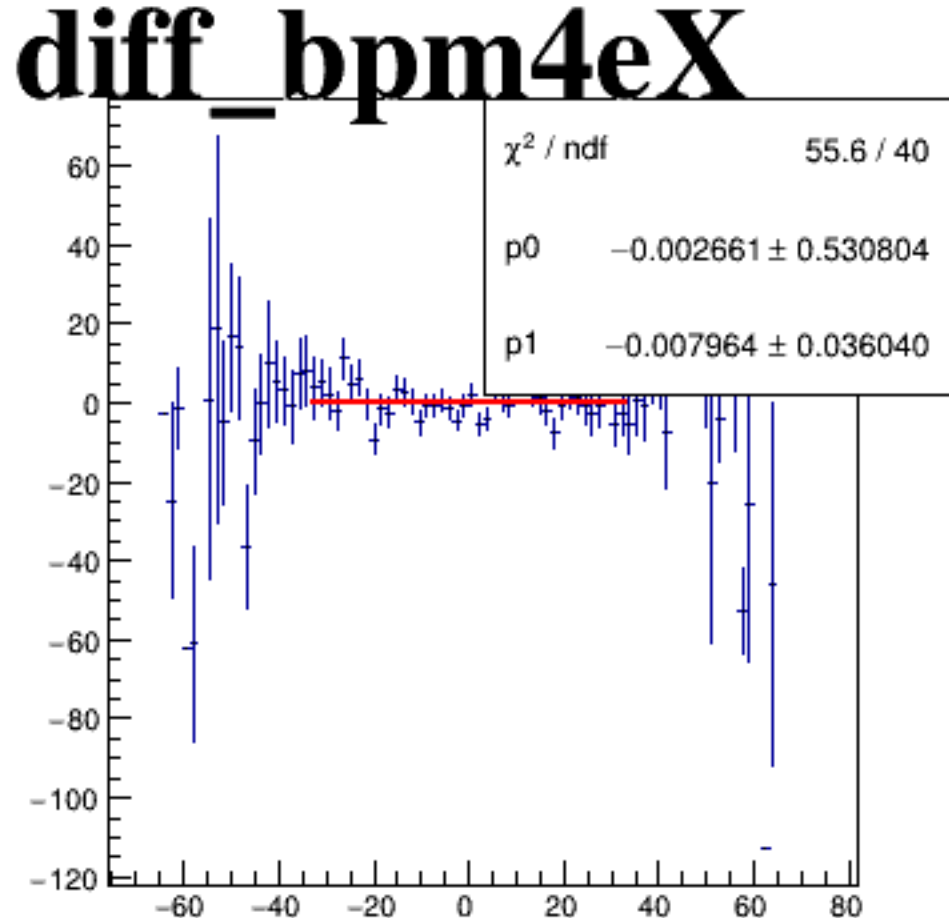
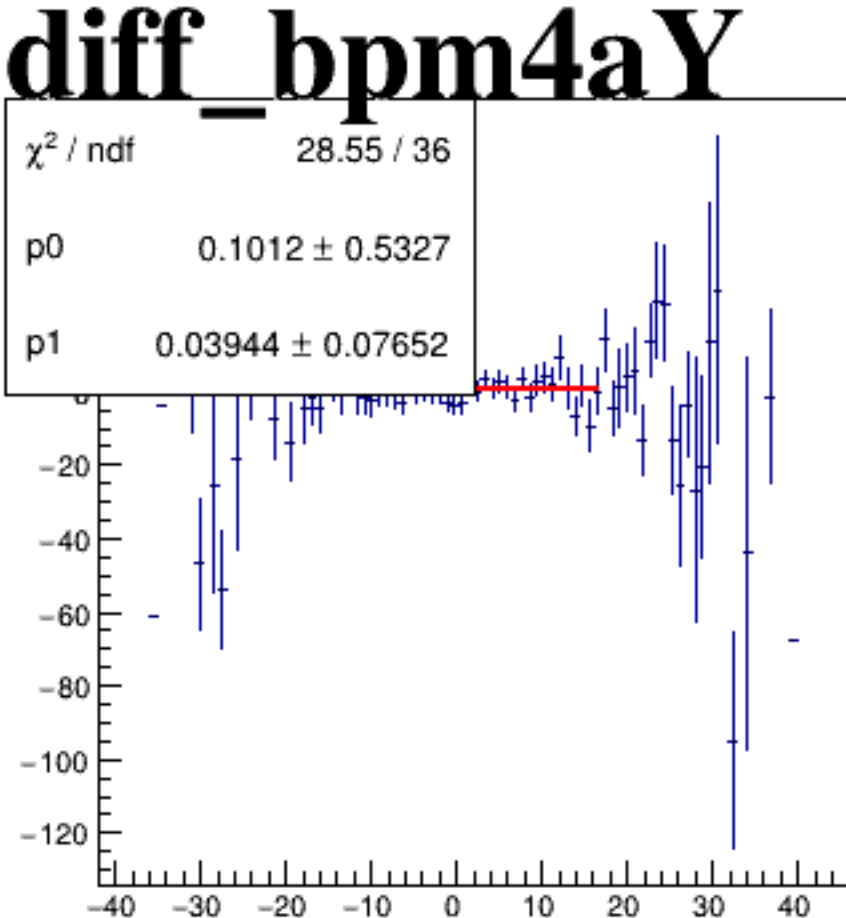
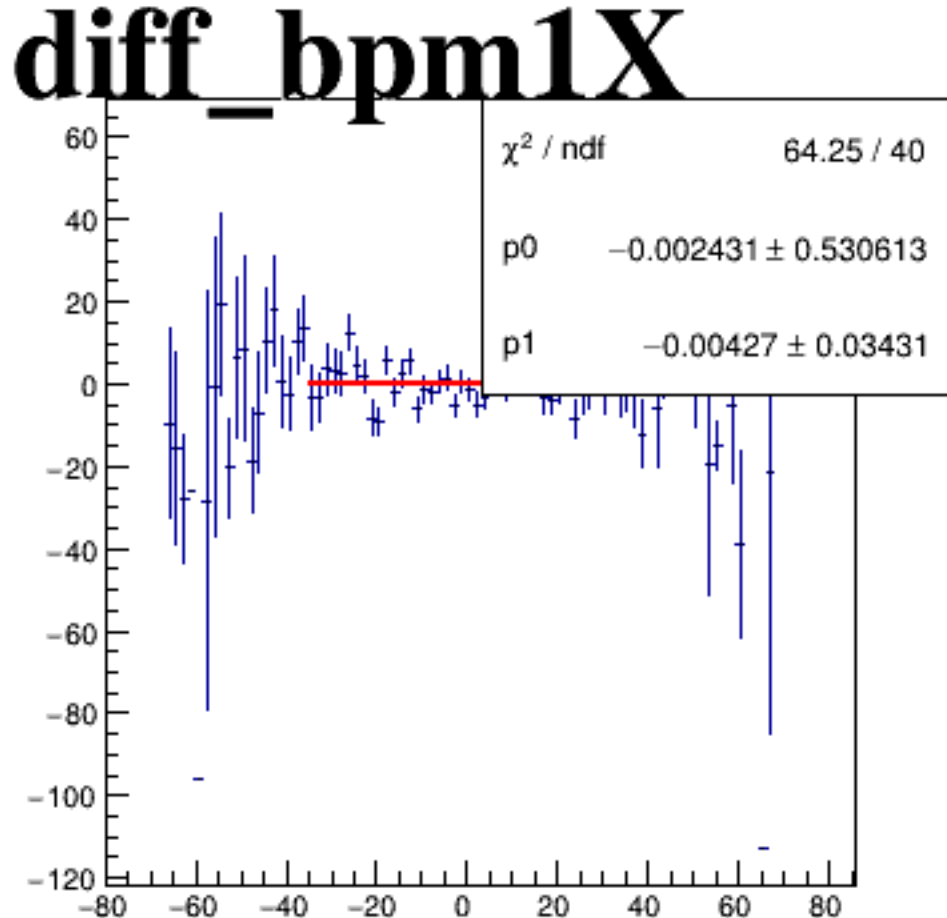
asym_sam5



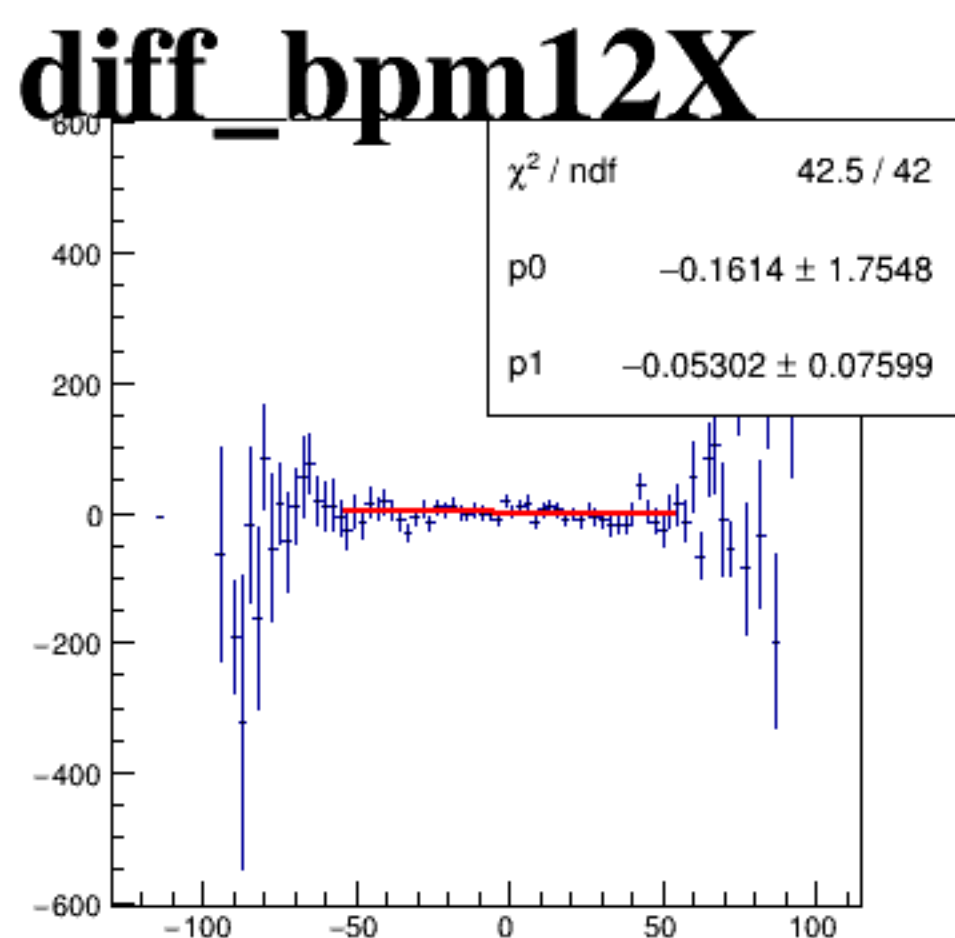
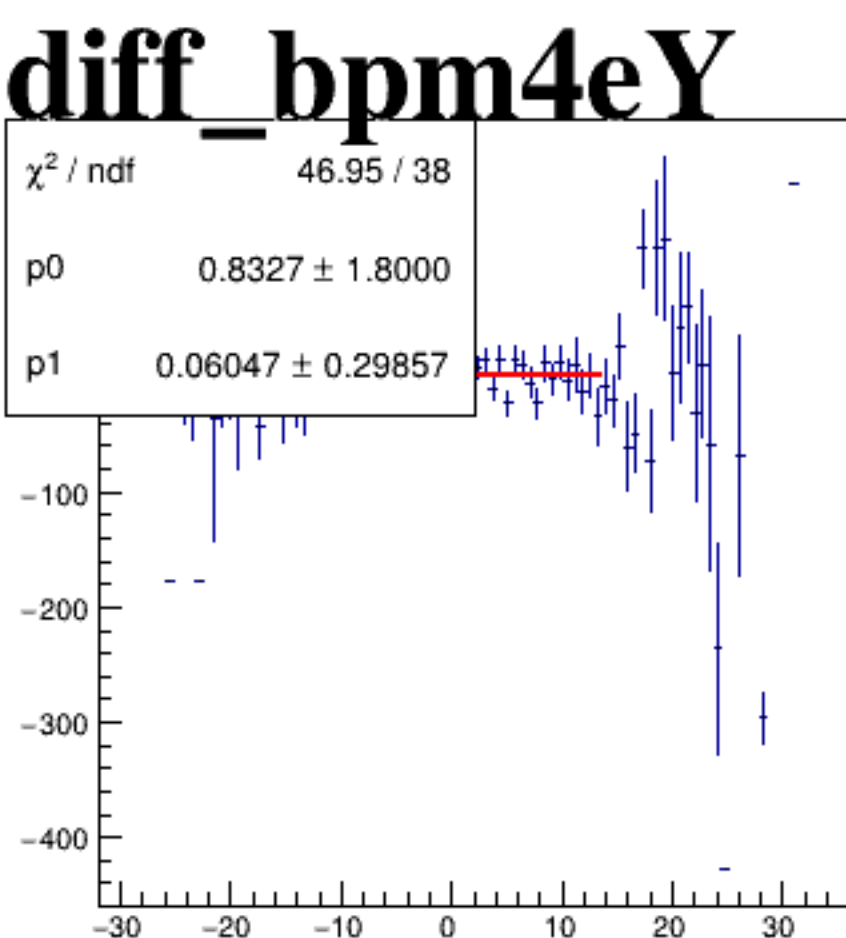
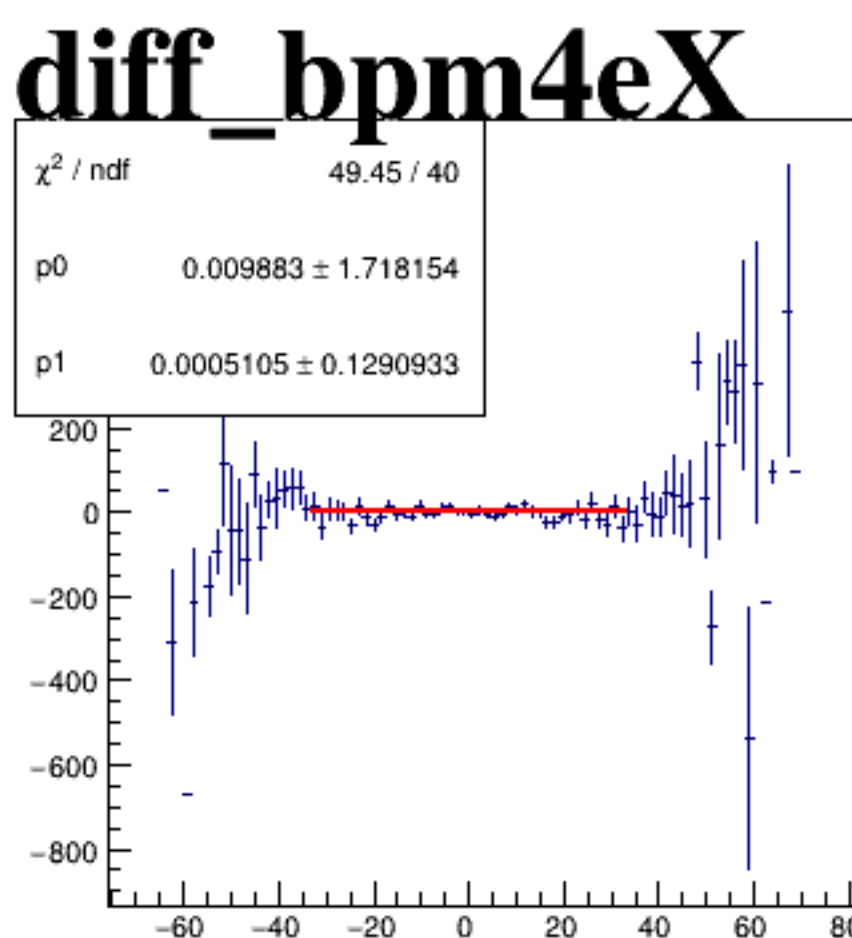
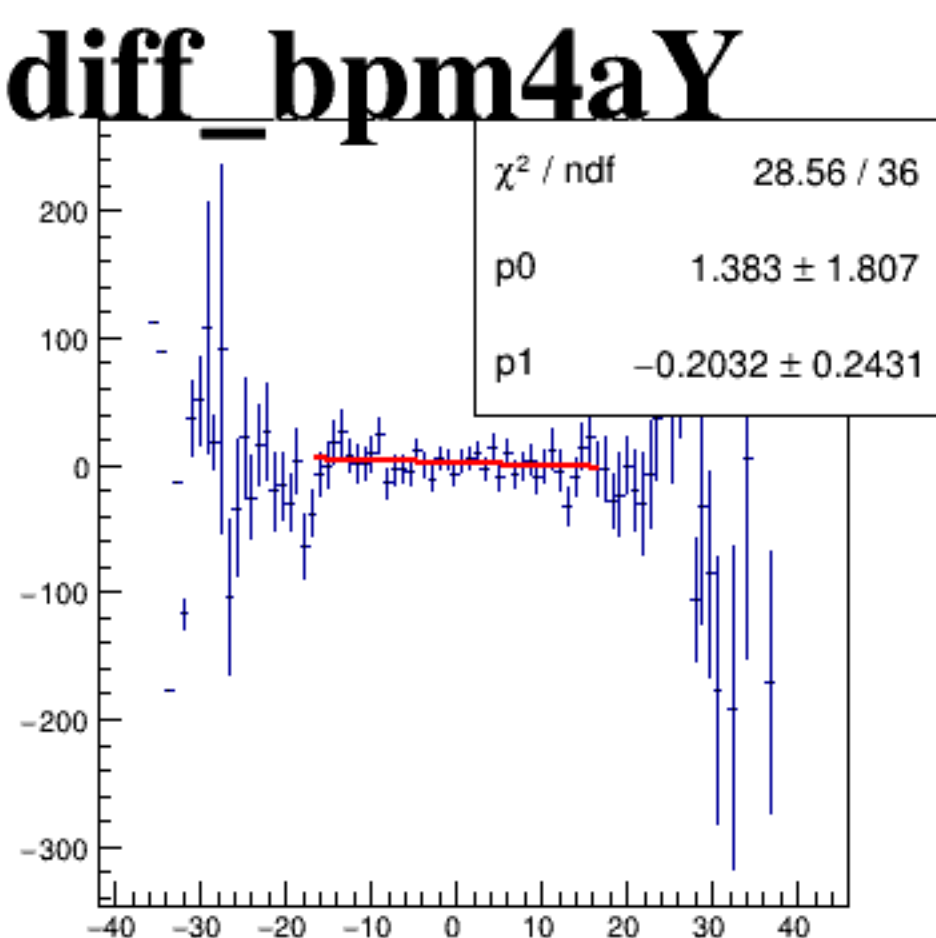
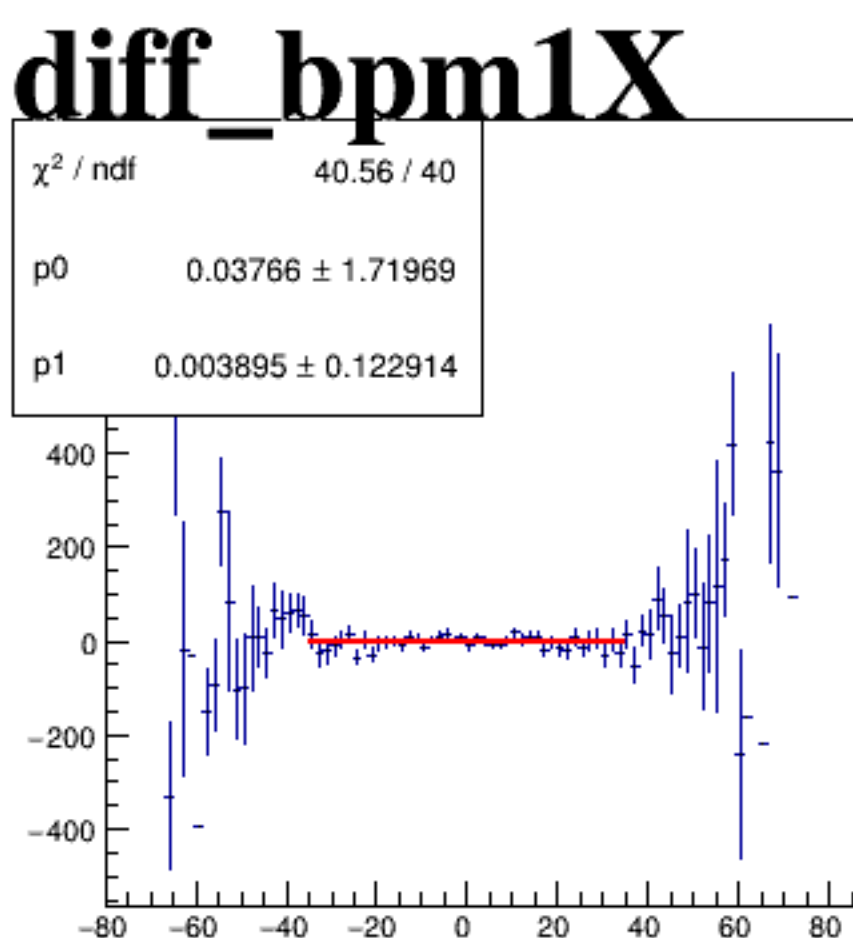
asym_sam7



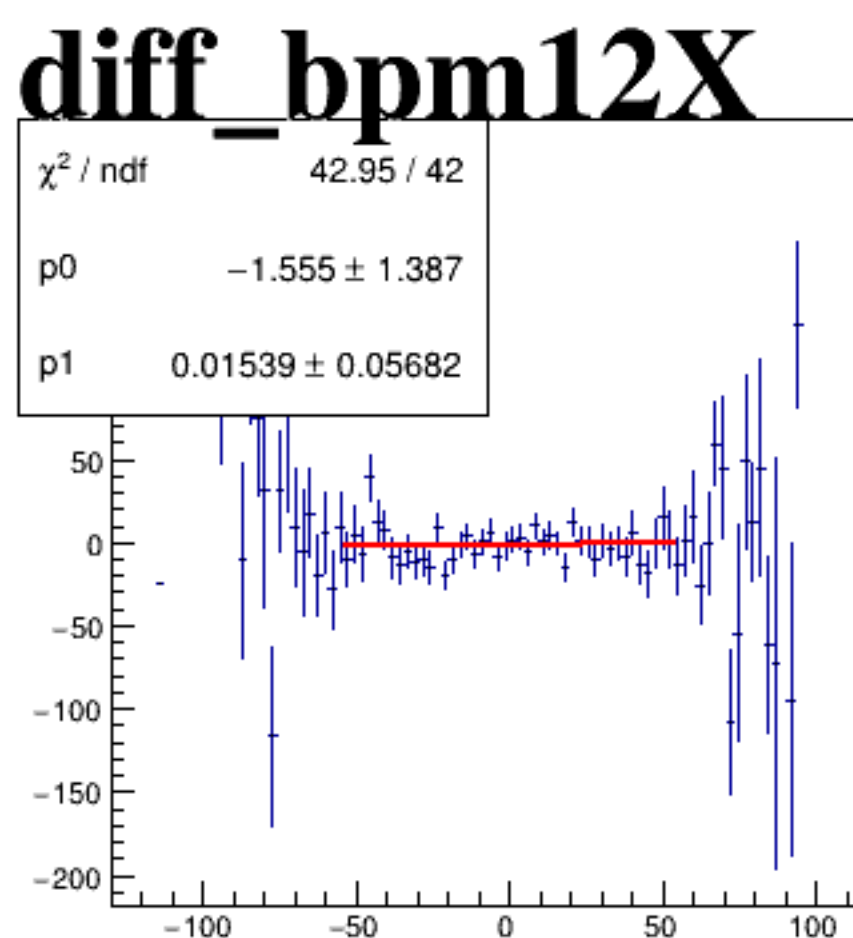
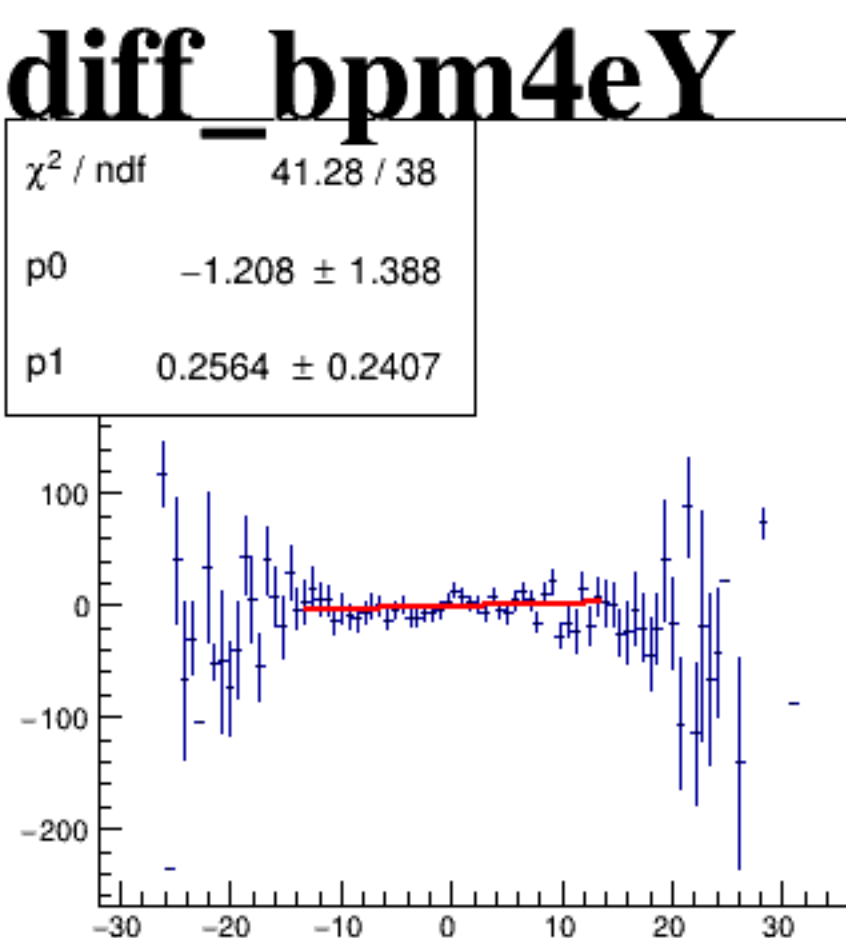
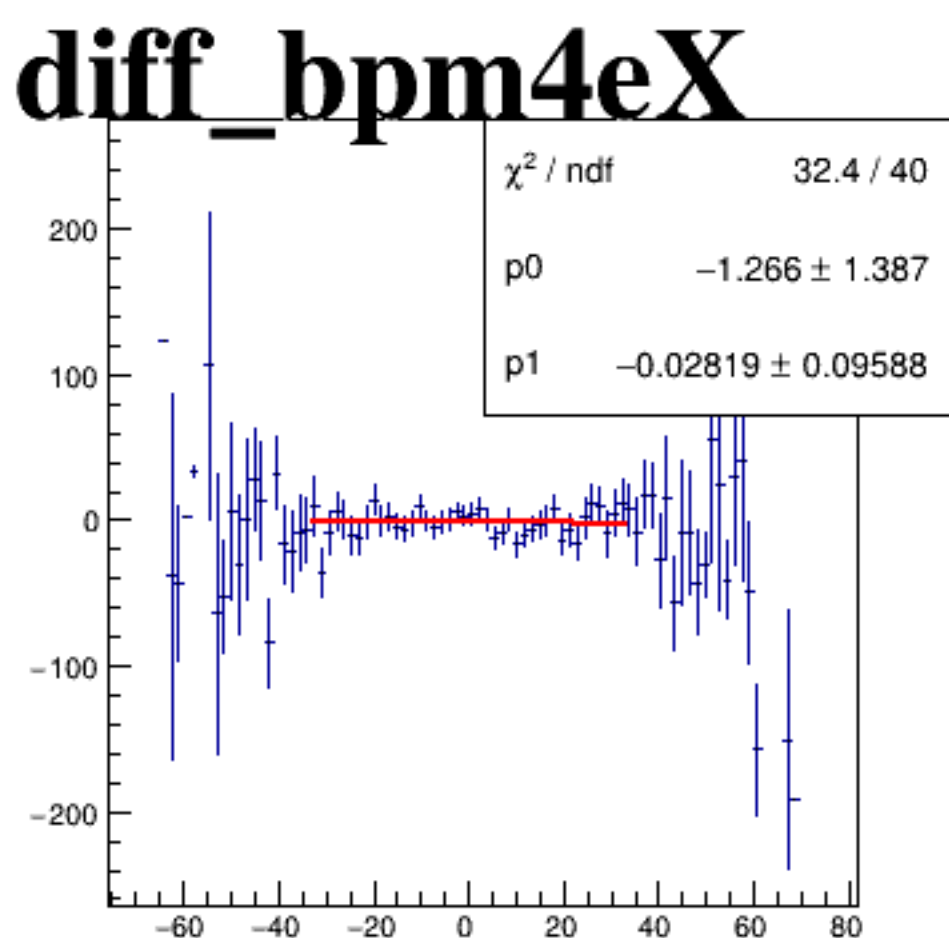
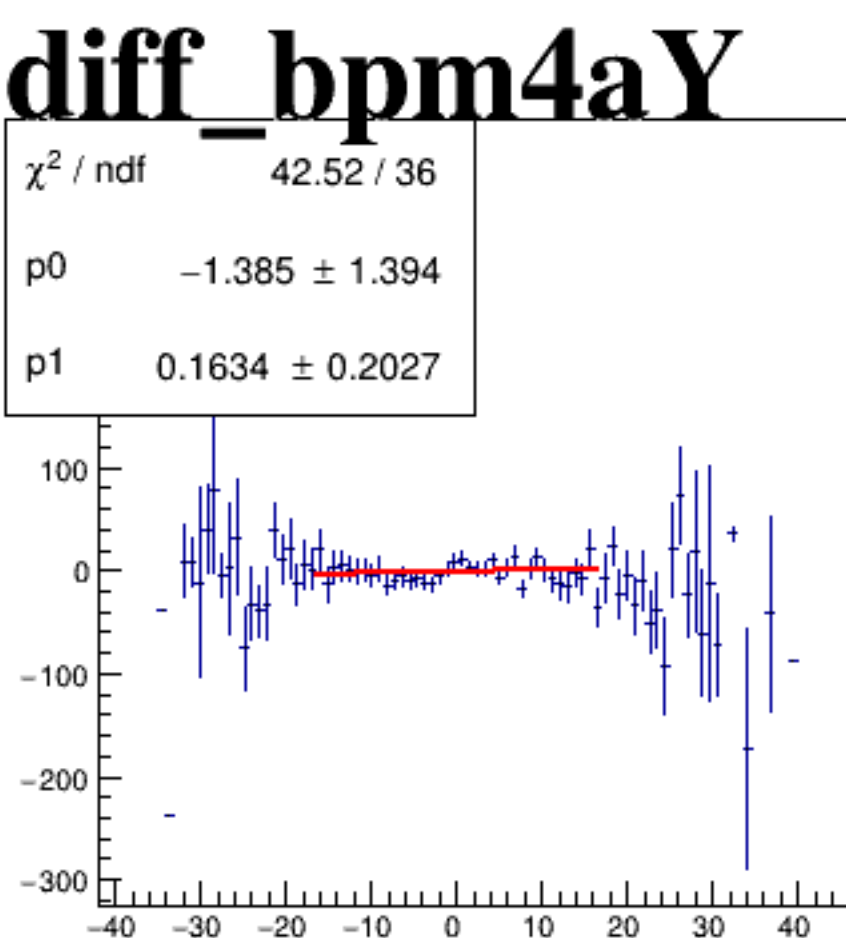
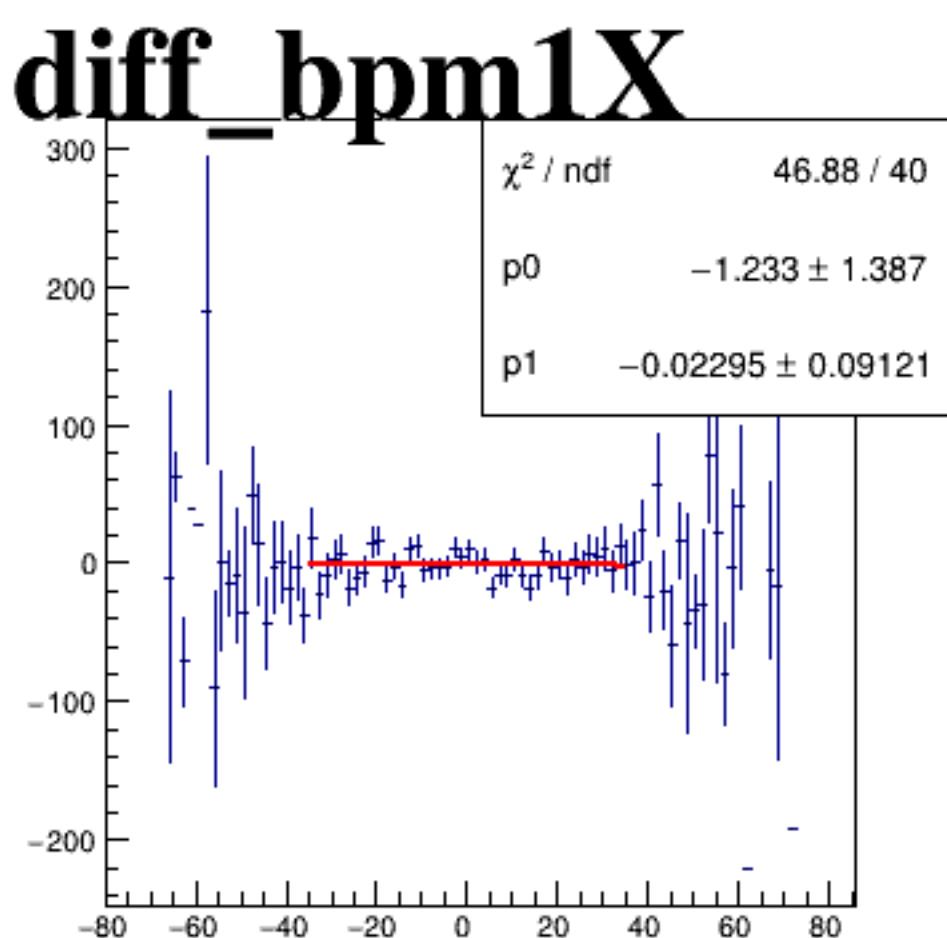
reg_asym_sam1



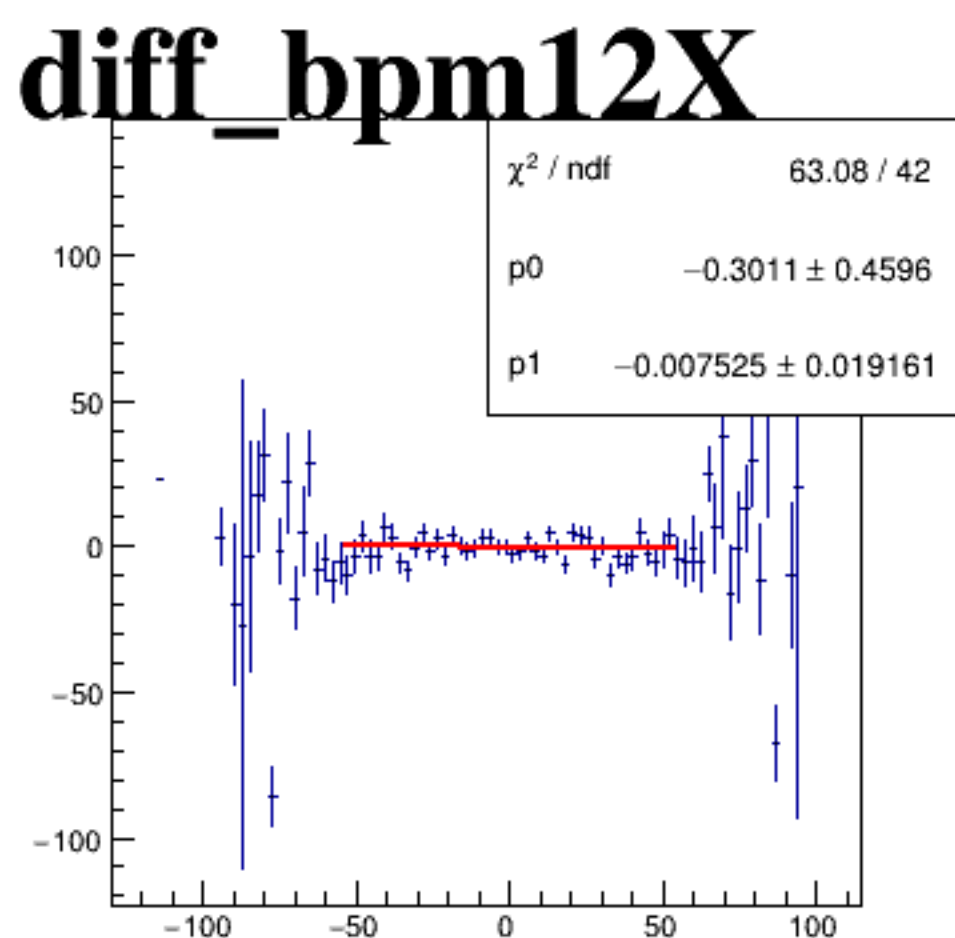
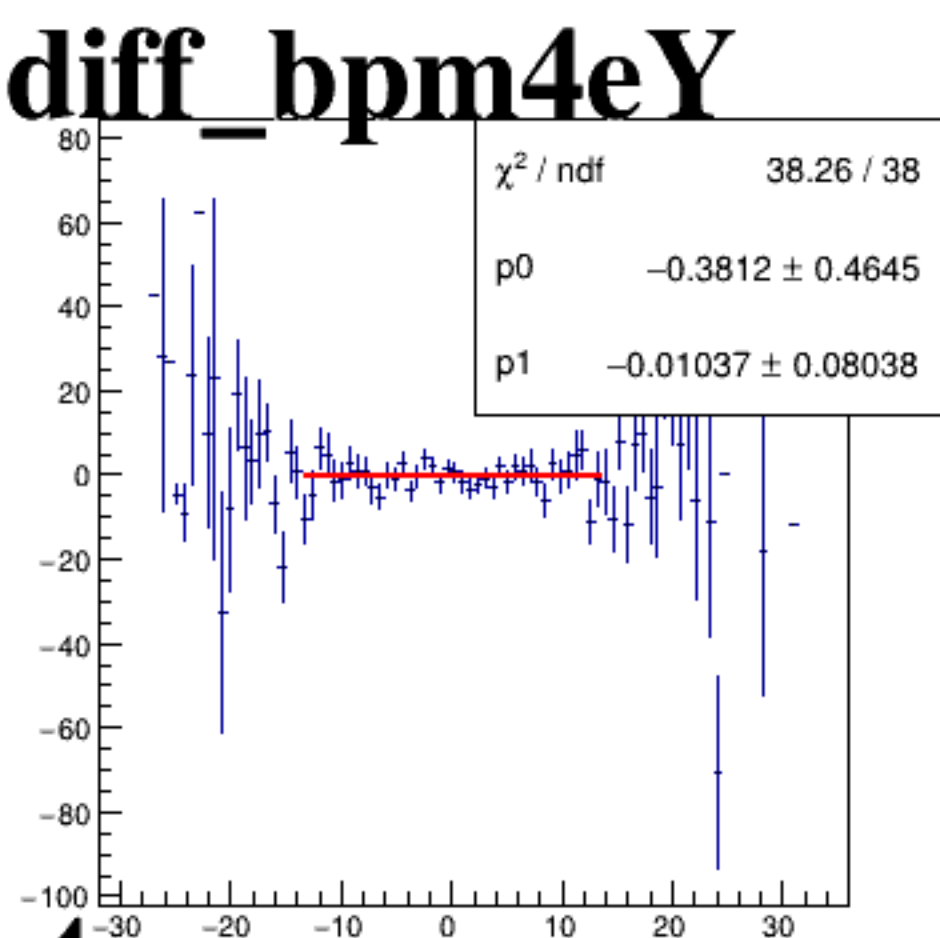
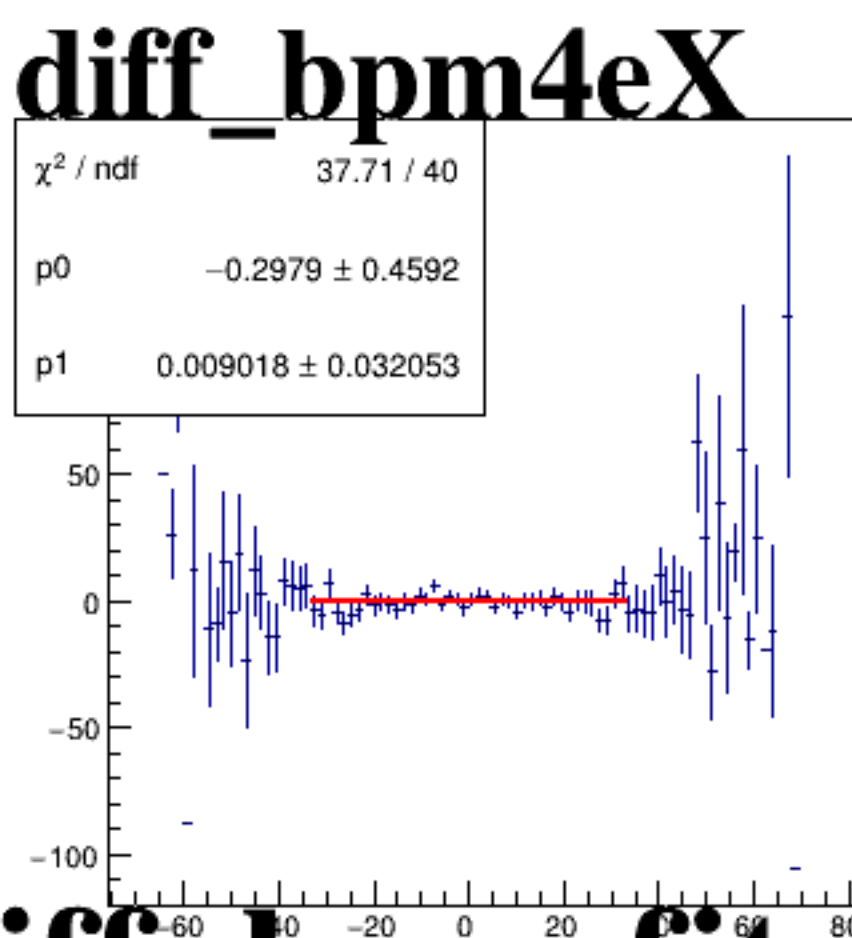
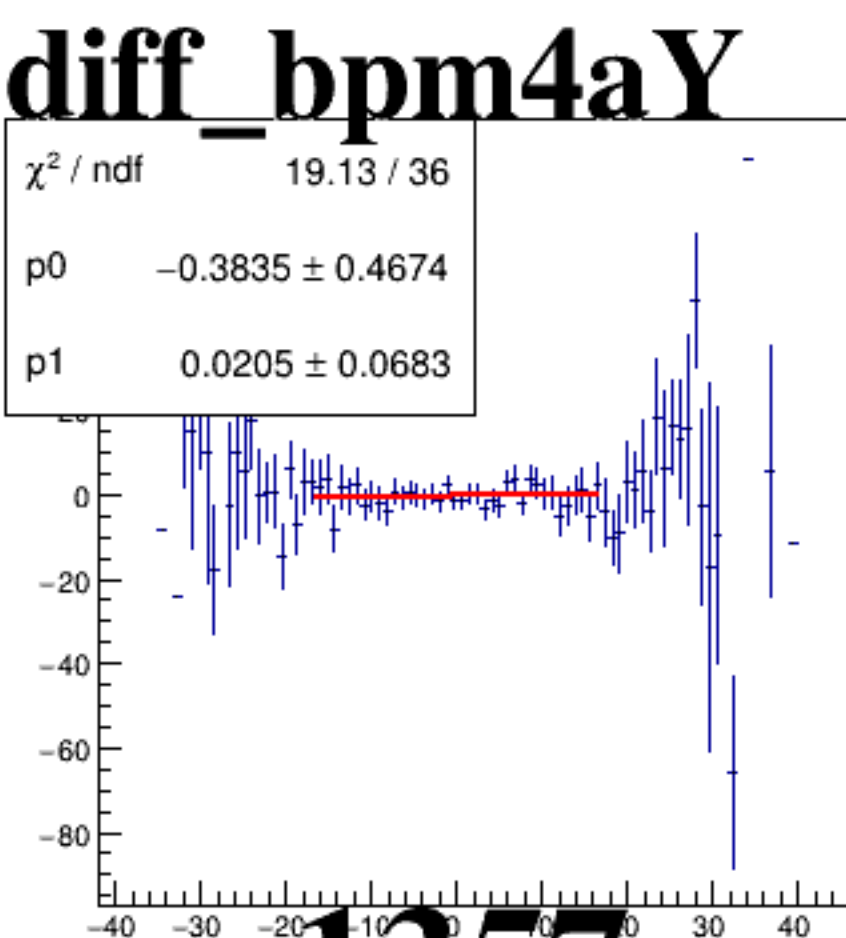
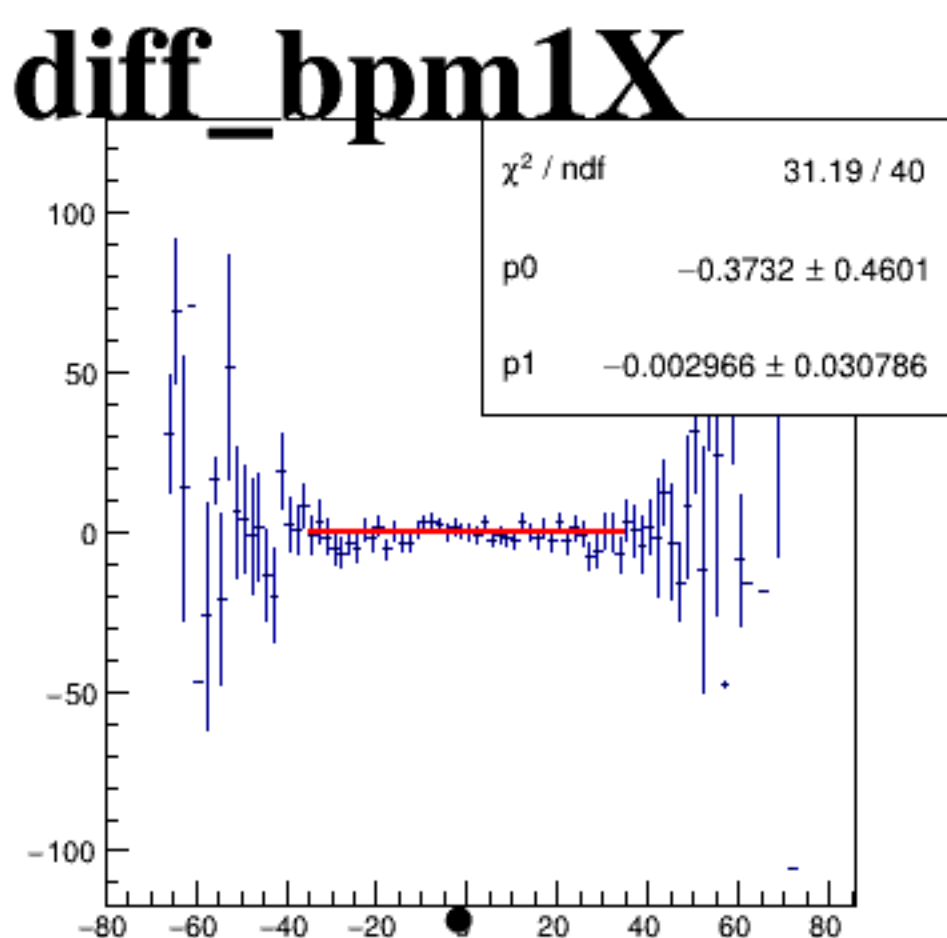
reg_asym_sam3



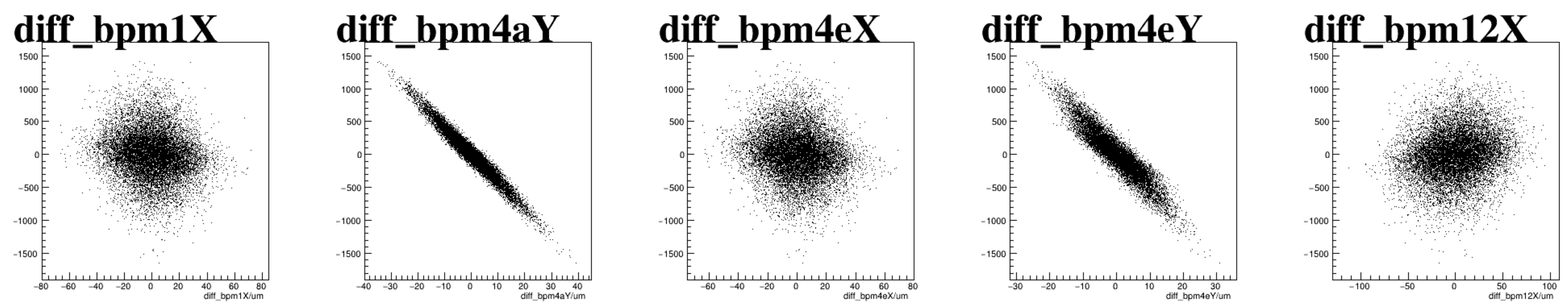
reg_asym_sam5



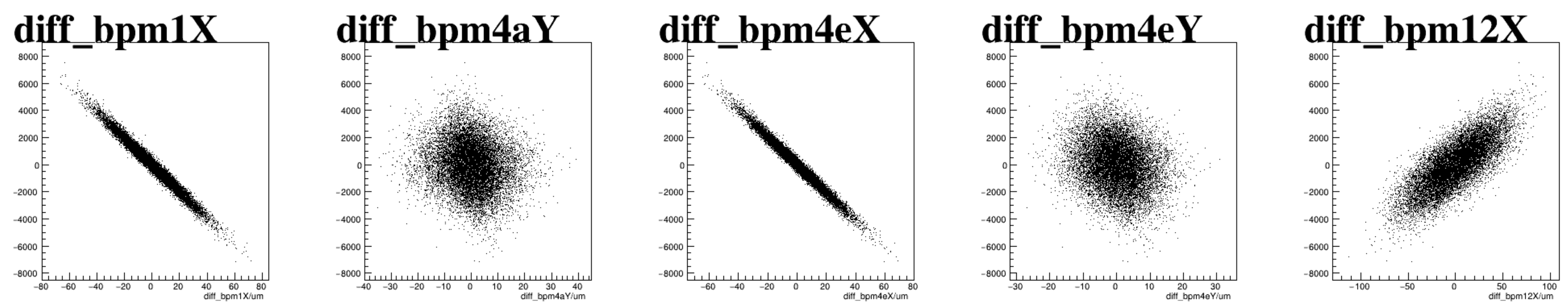
reg_asym_sam7



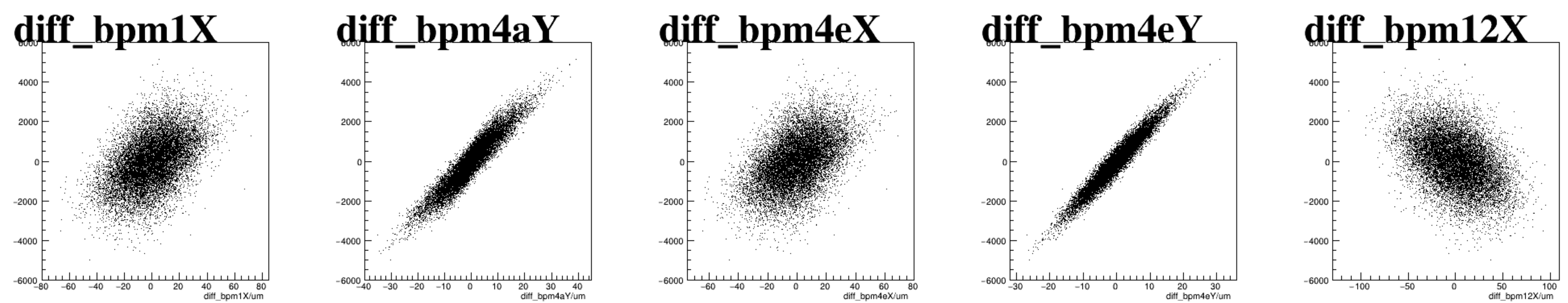
asym_sam1



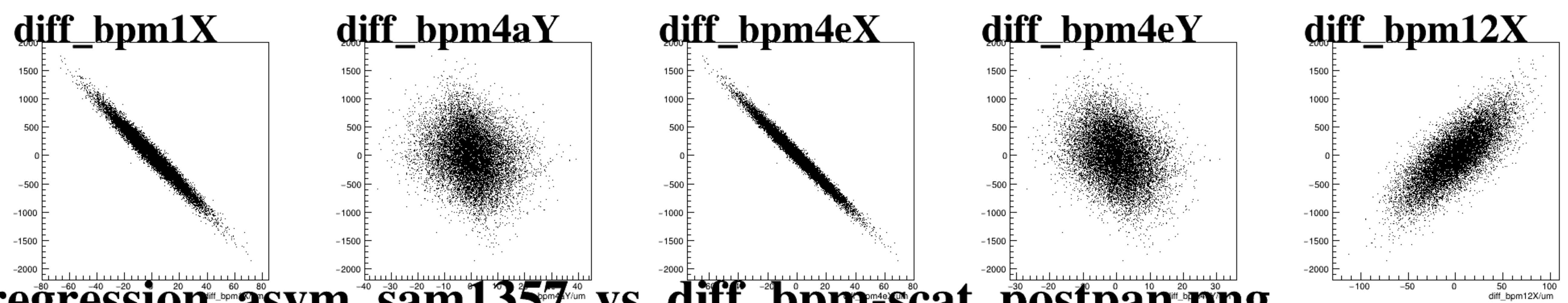
asym_sam3



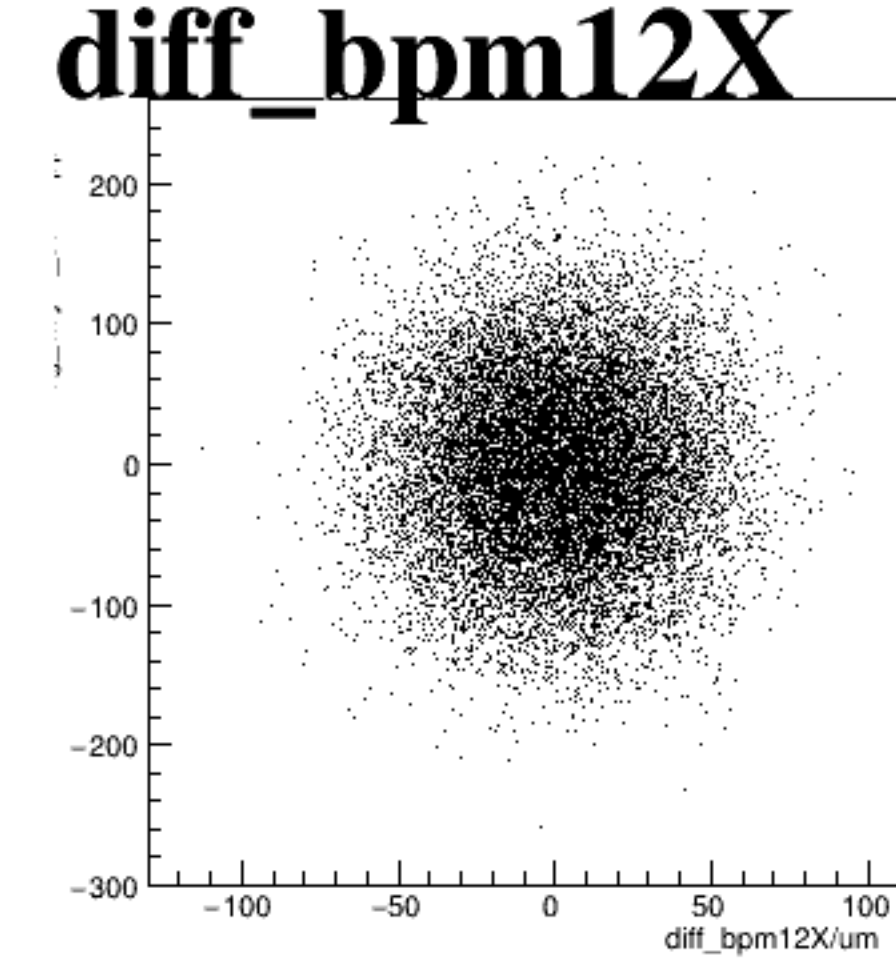
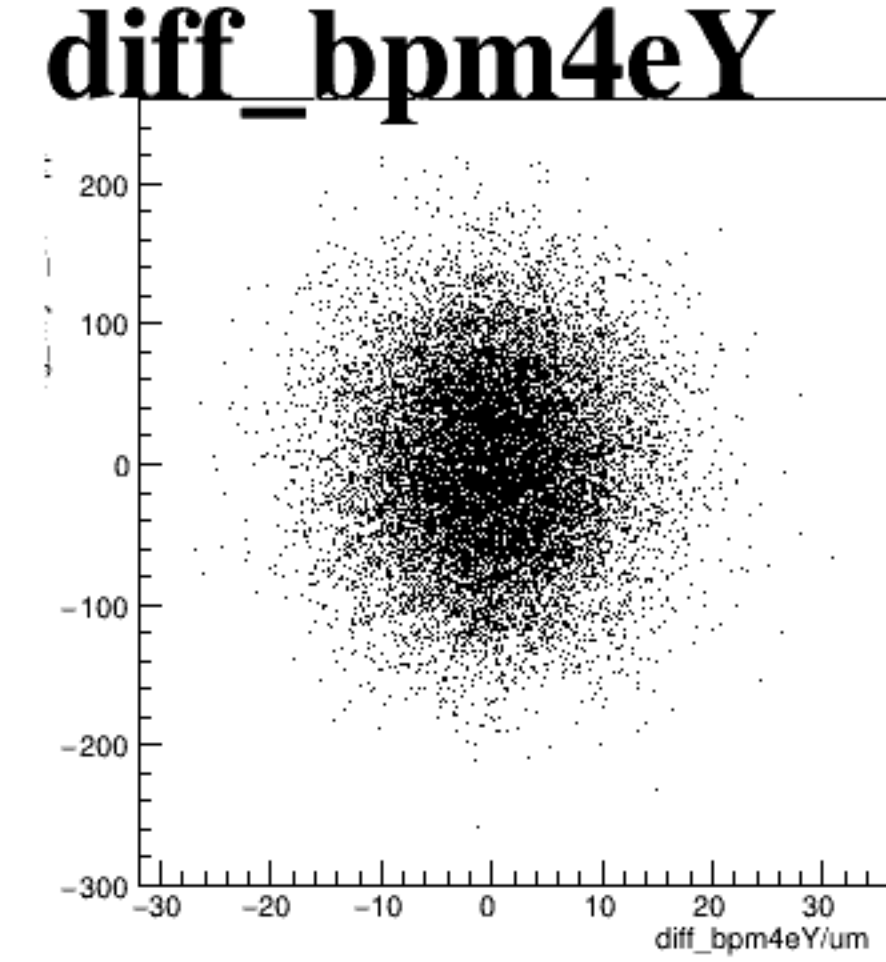
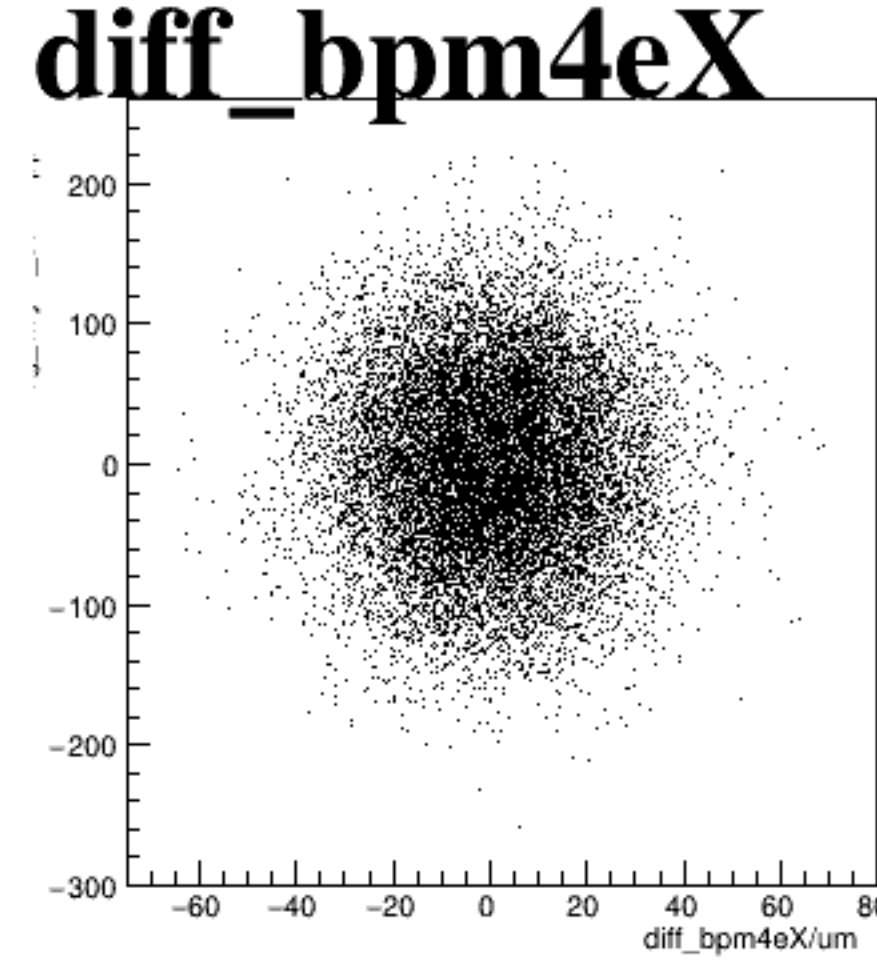
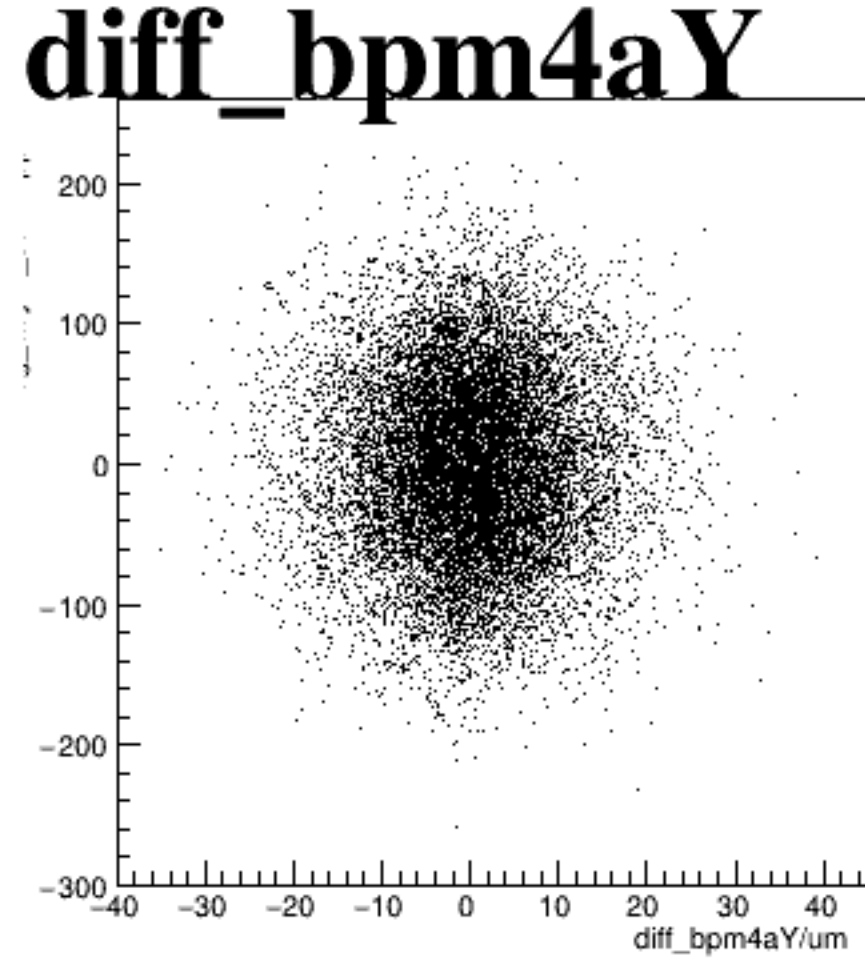
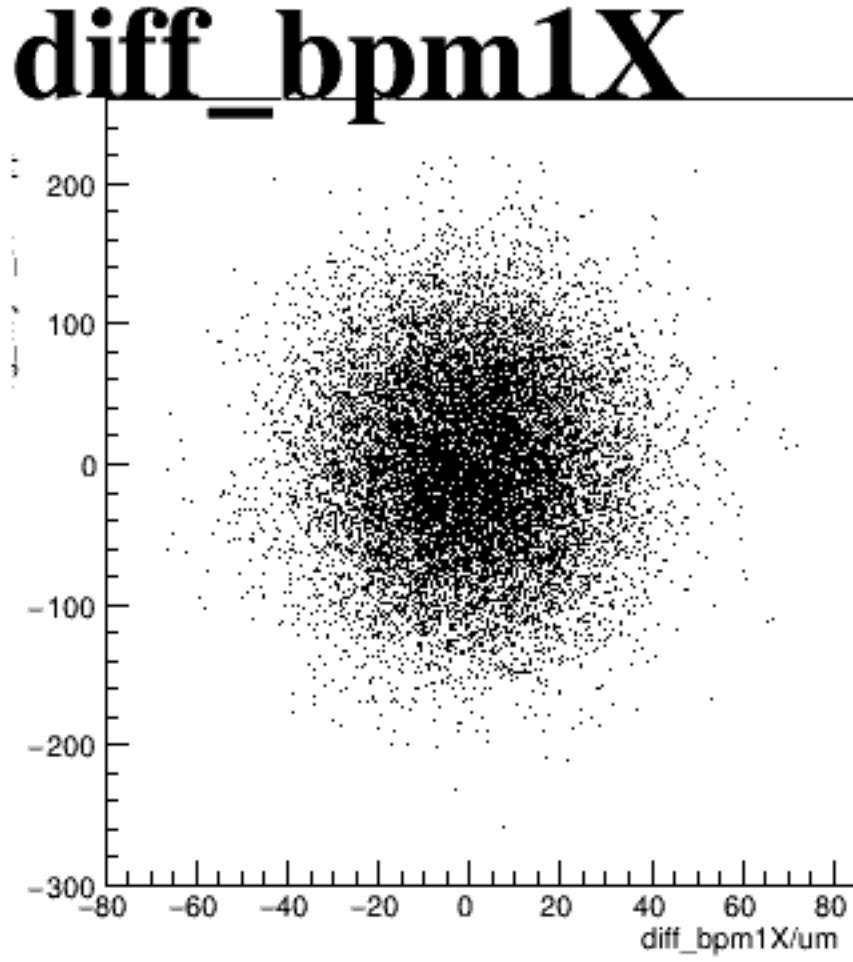
asym_sam5



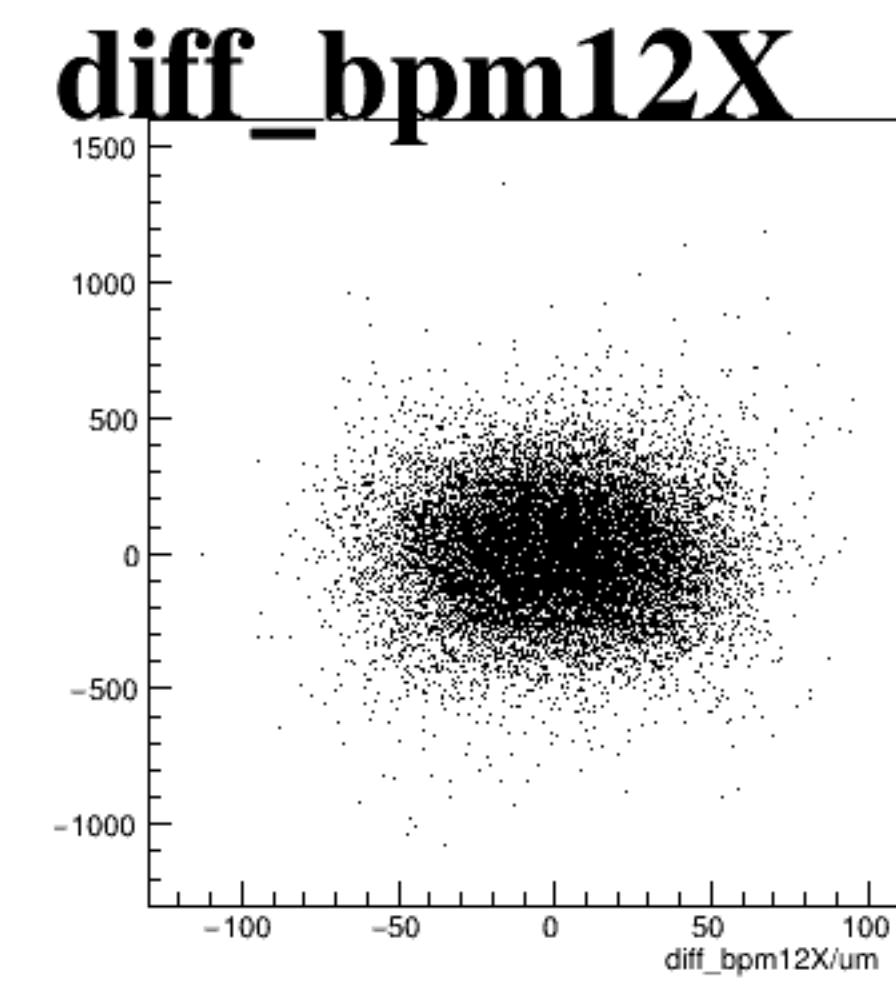
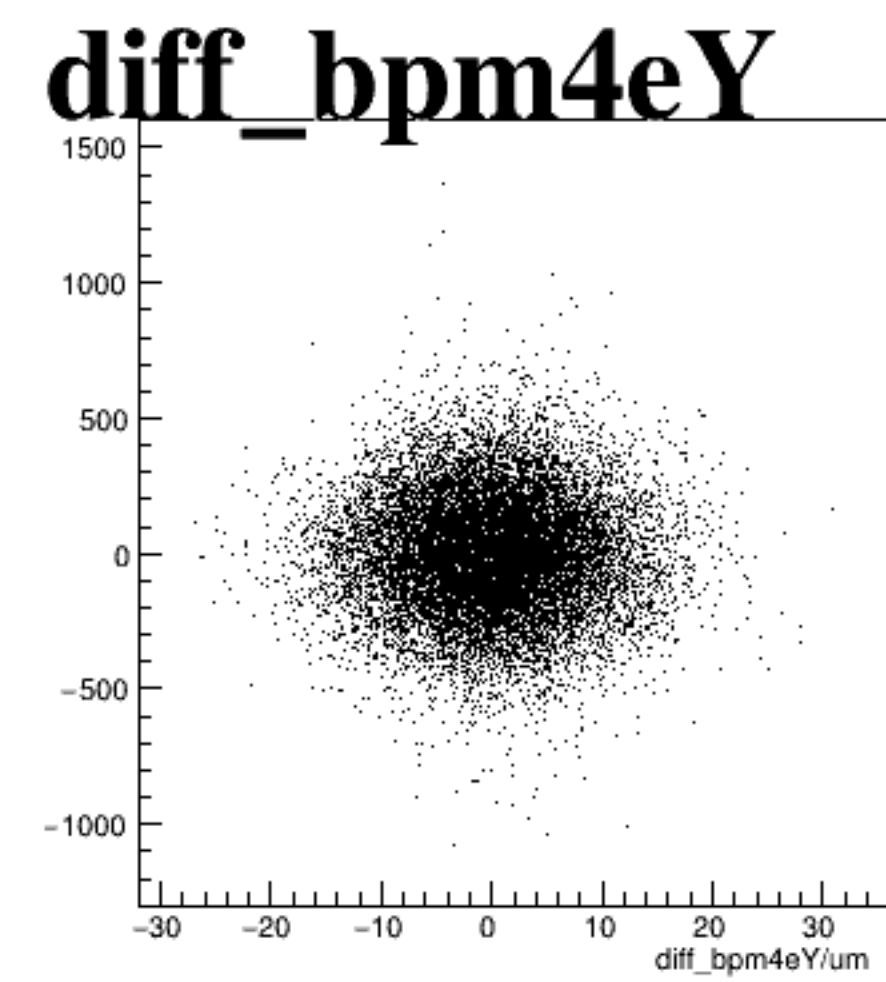
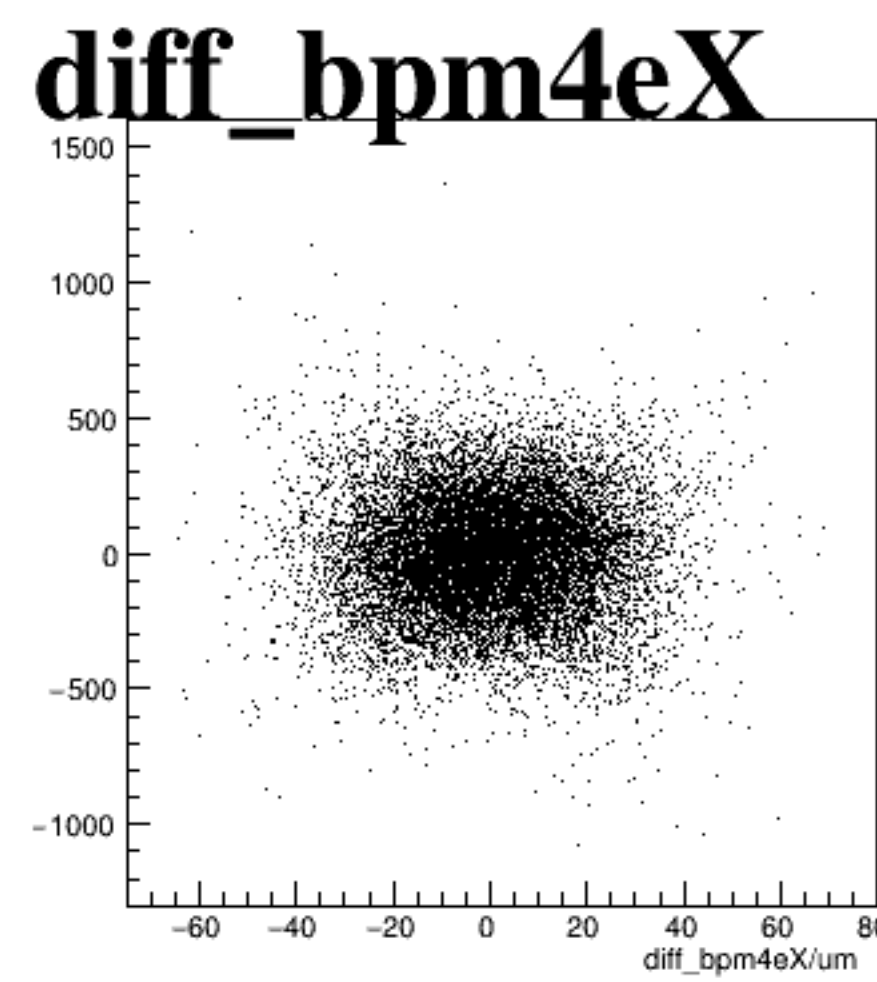
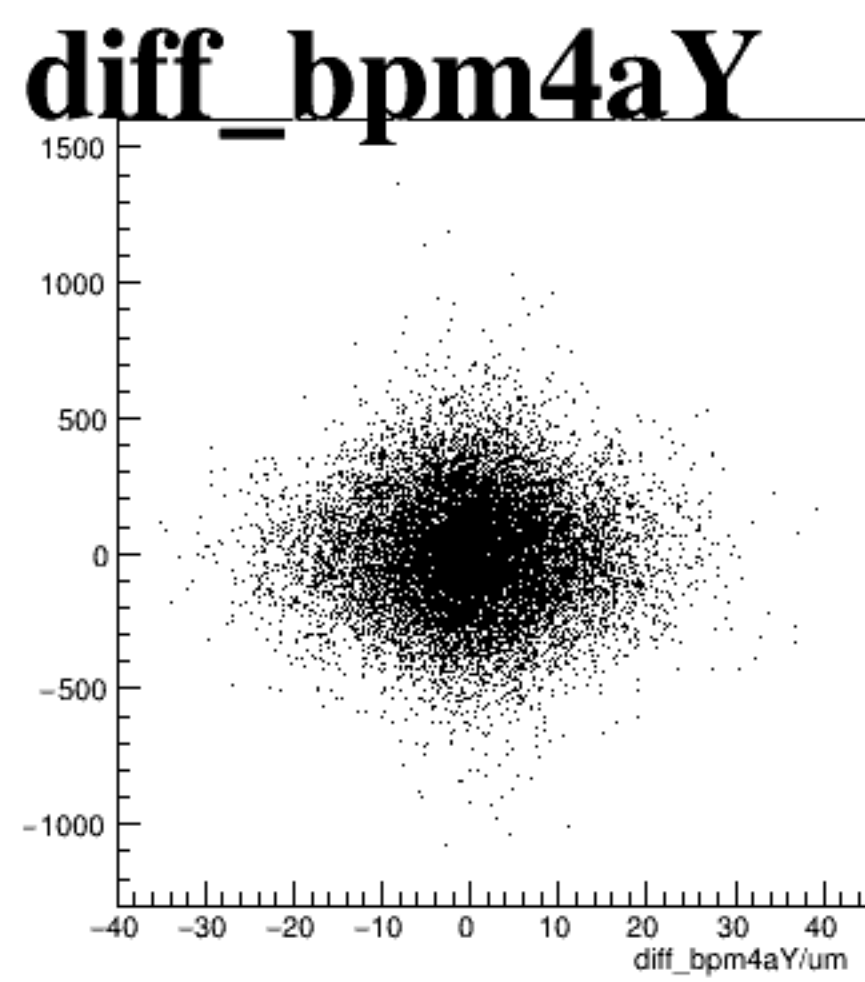
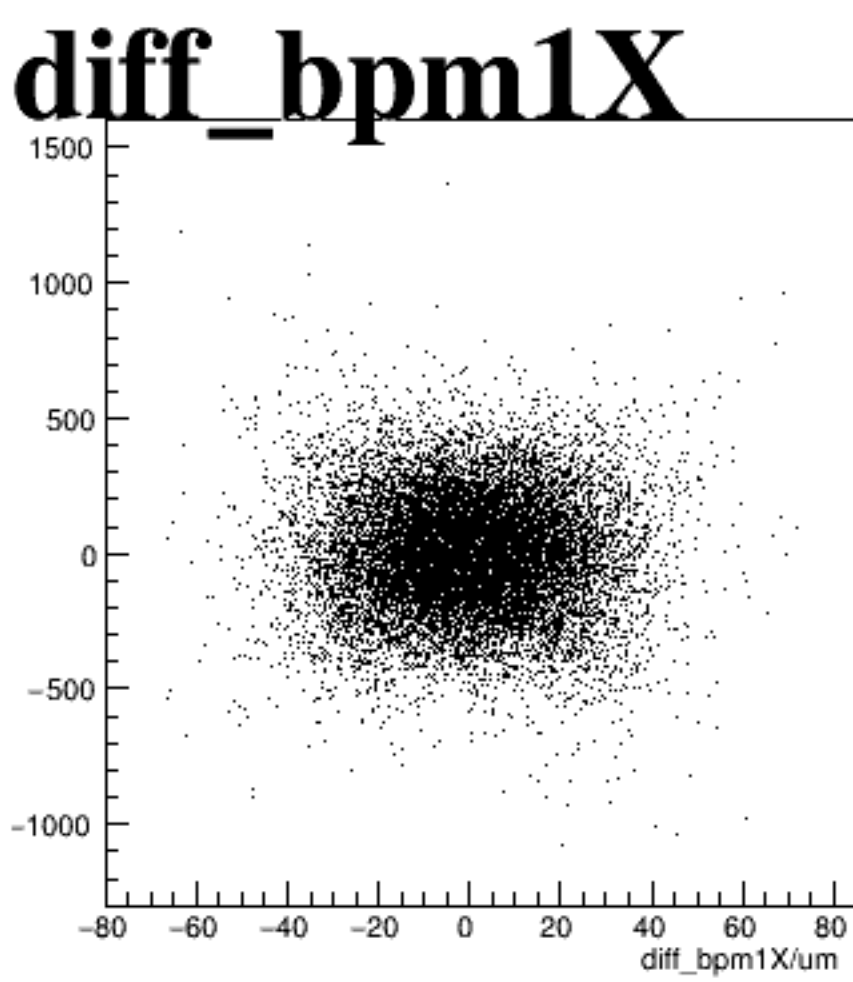
asym_sam7



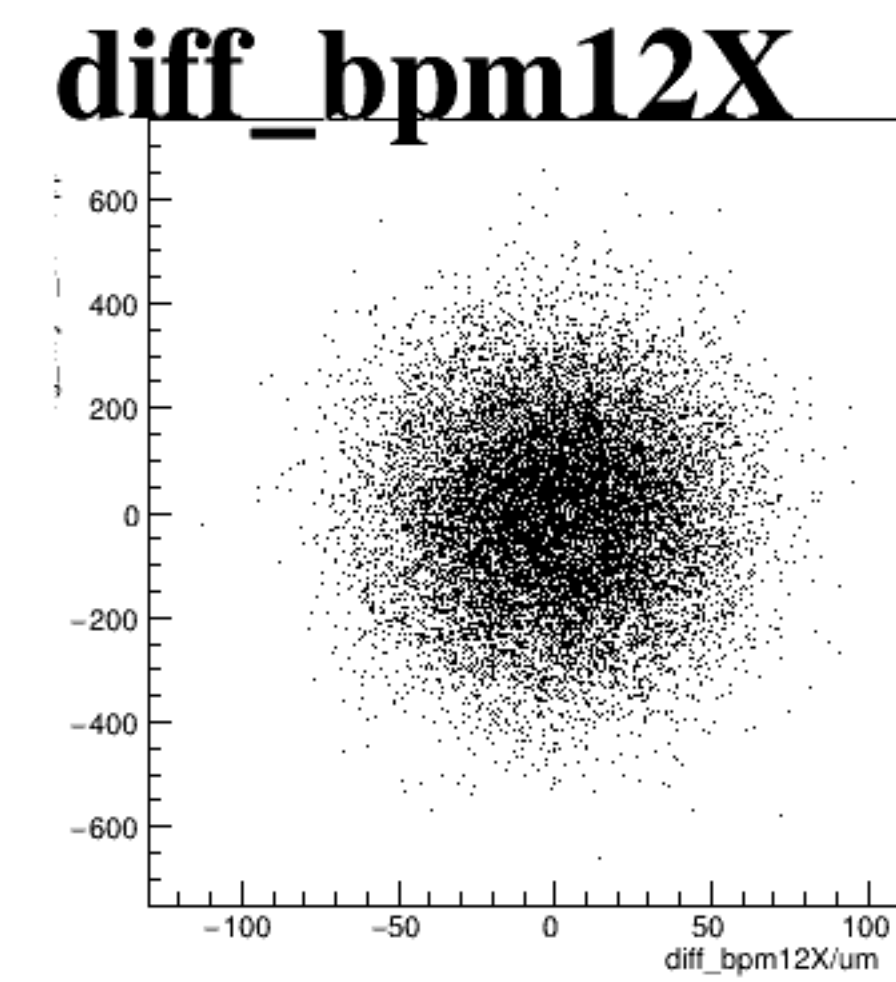
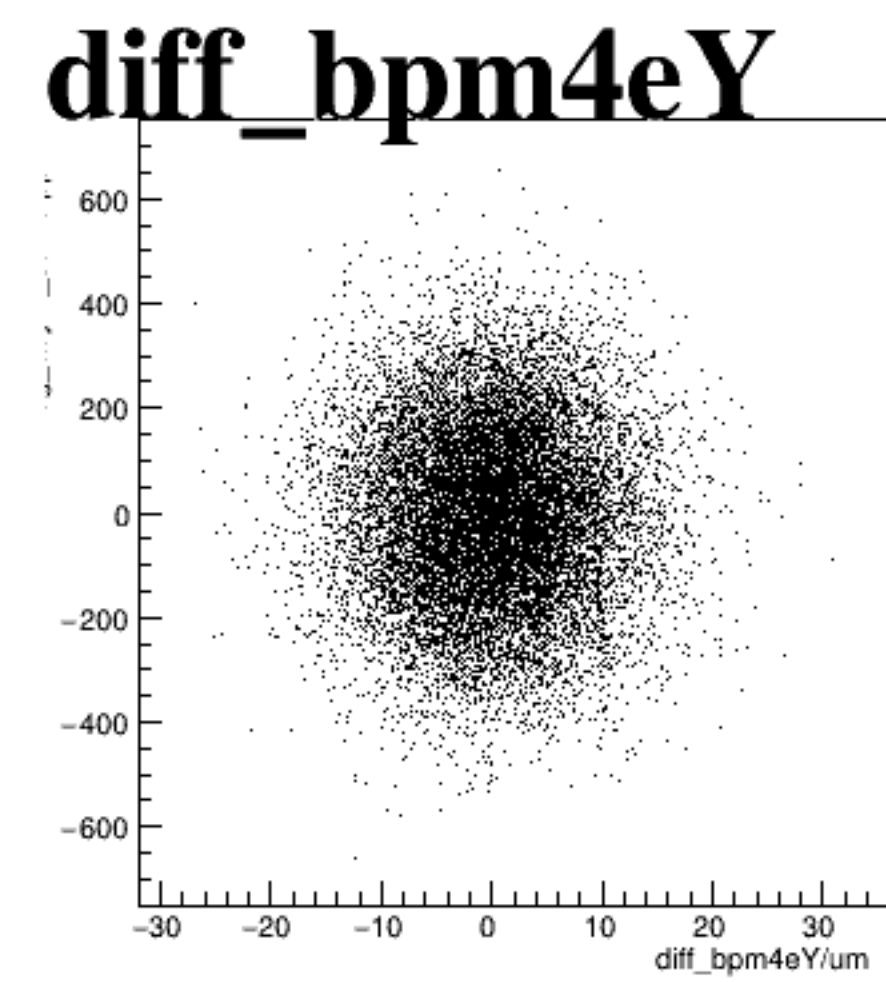
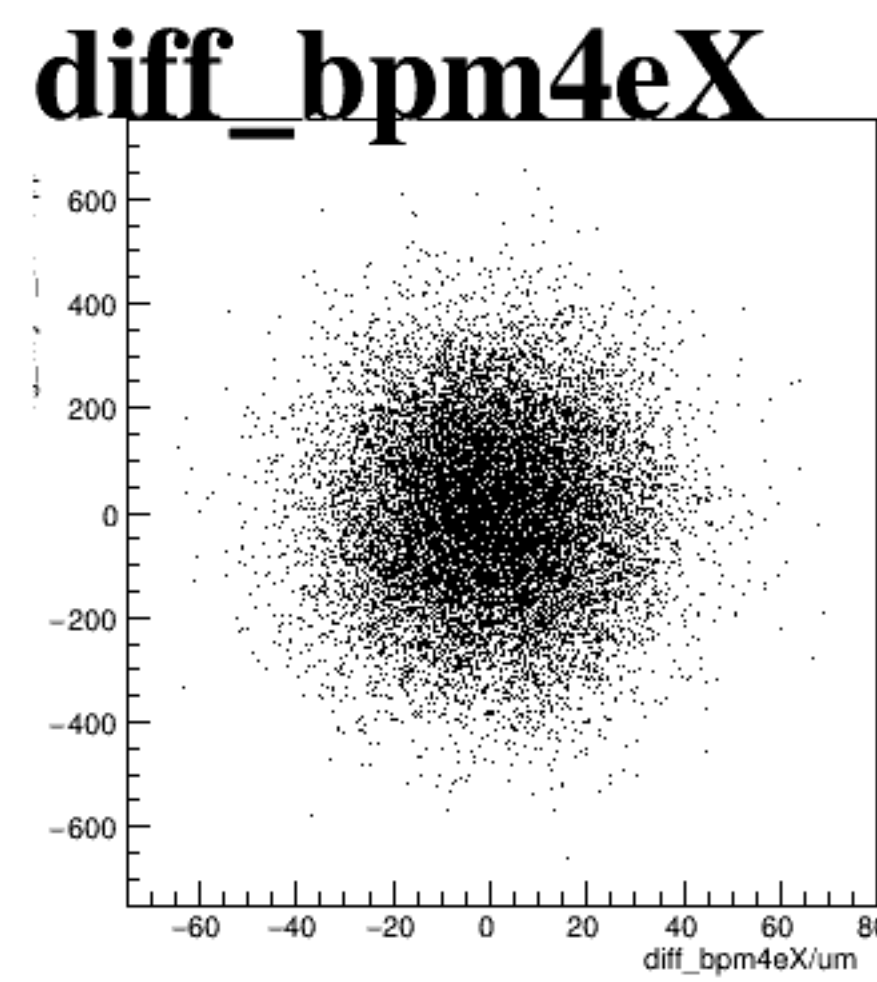
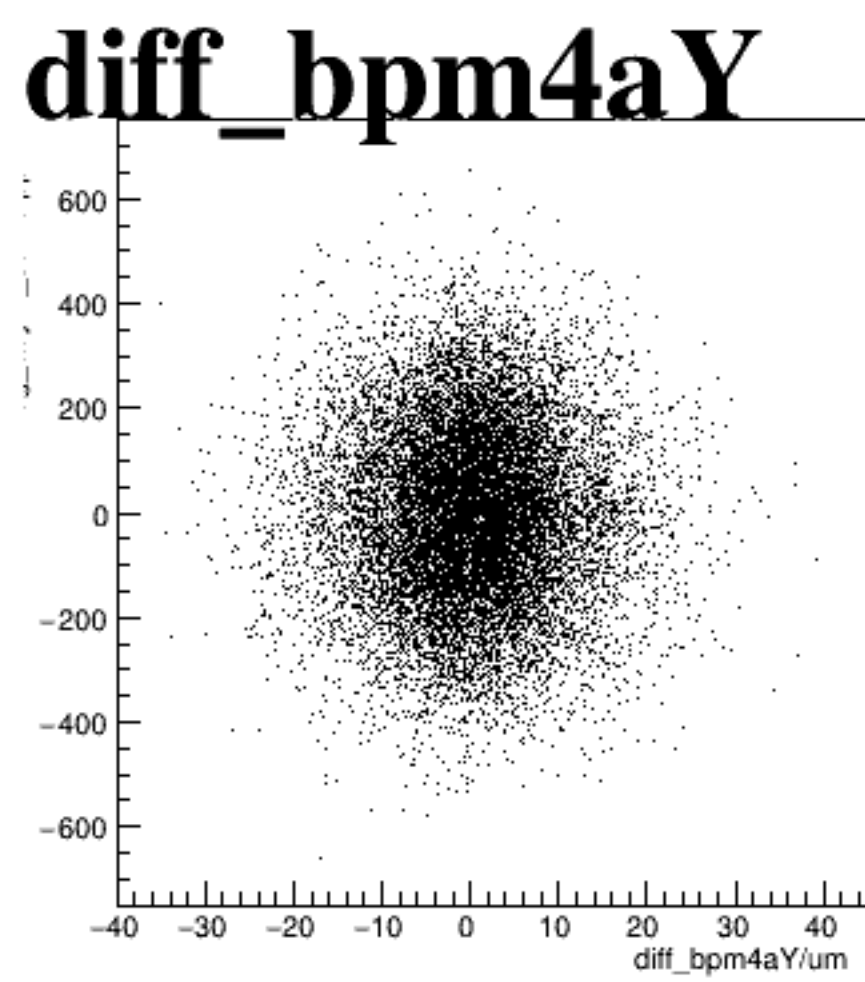
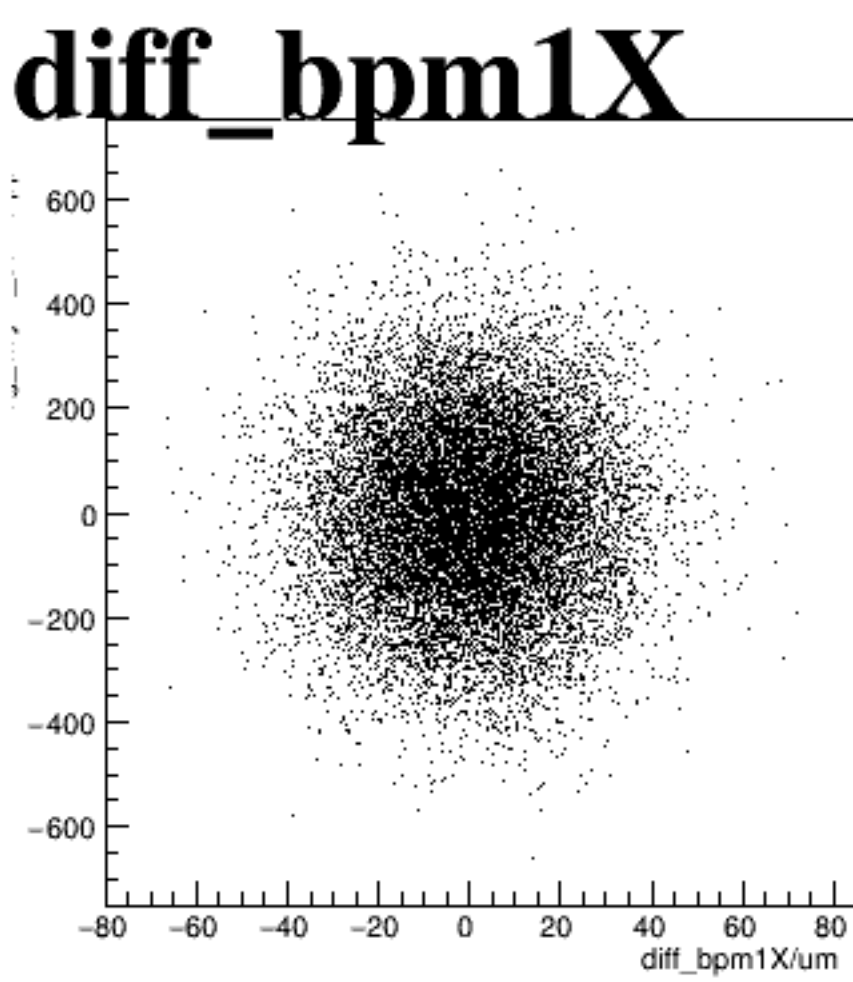
reg_asym_sam1



reg_asym_sam3



reg_asym_sam5



reg_asym_sam7

