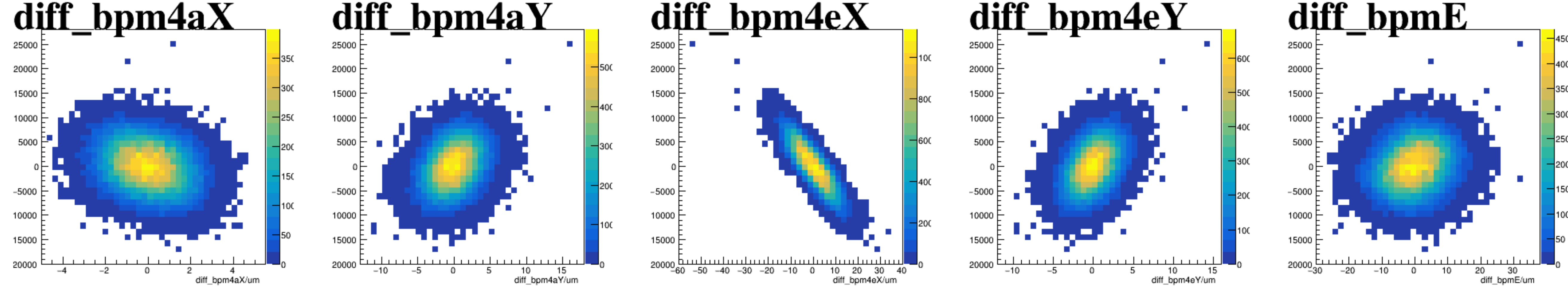
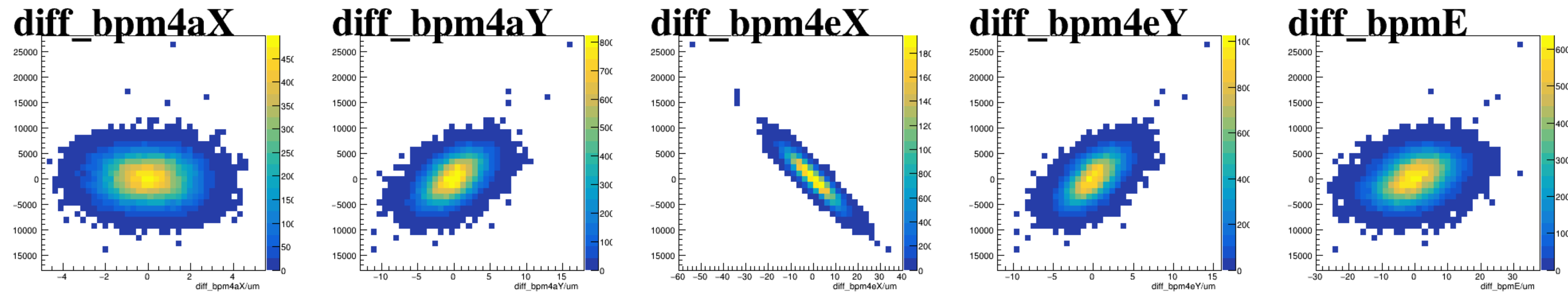


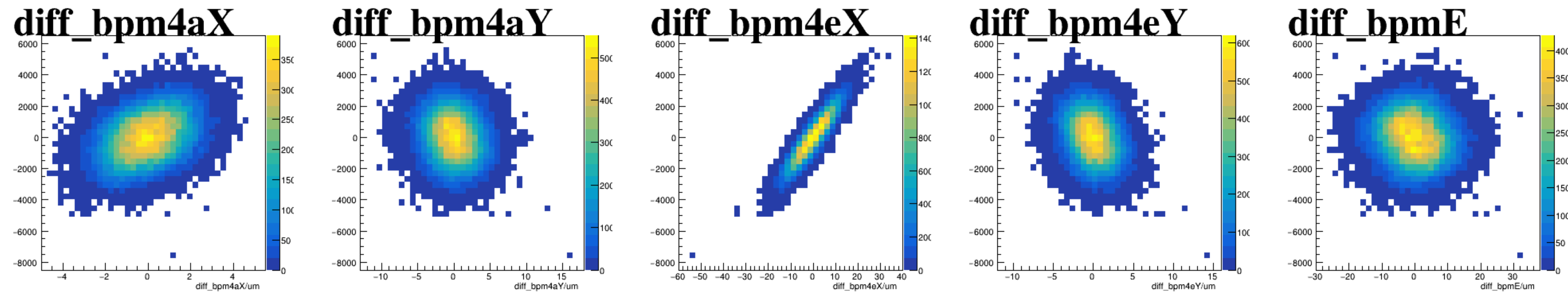
asym_sam2



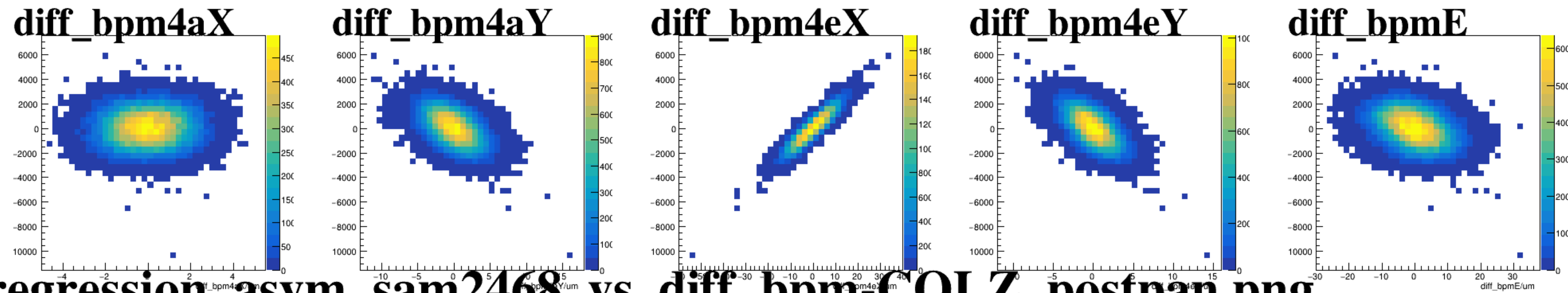
asym_sam4



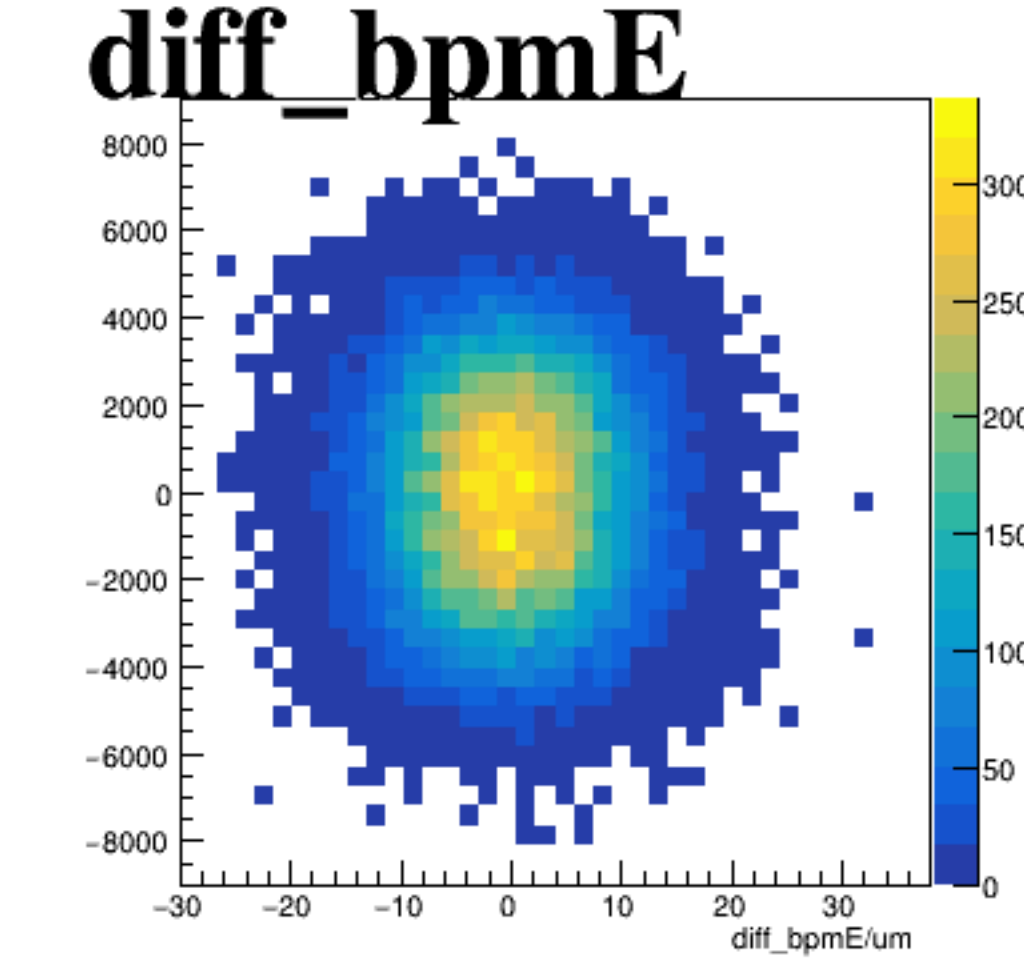
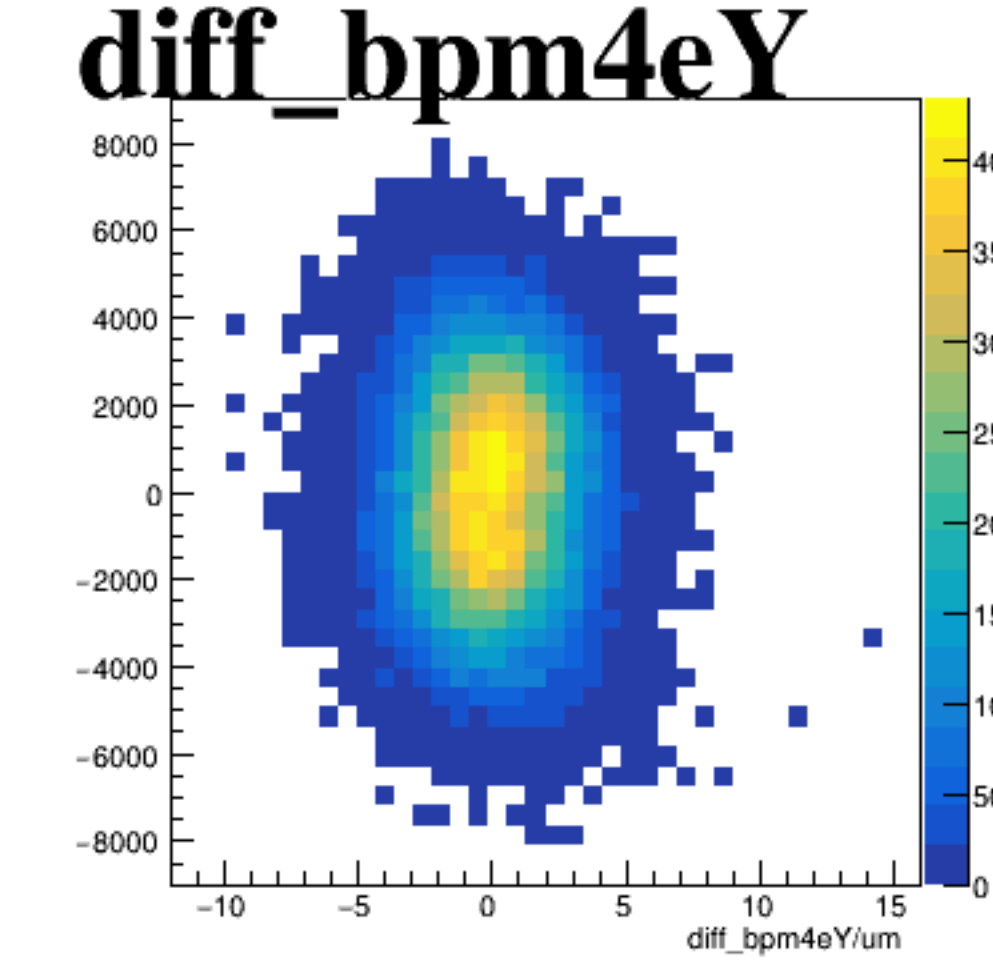
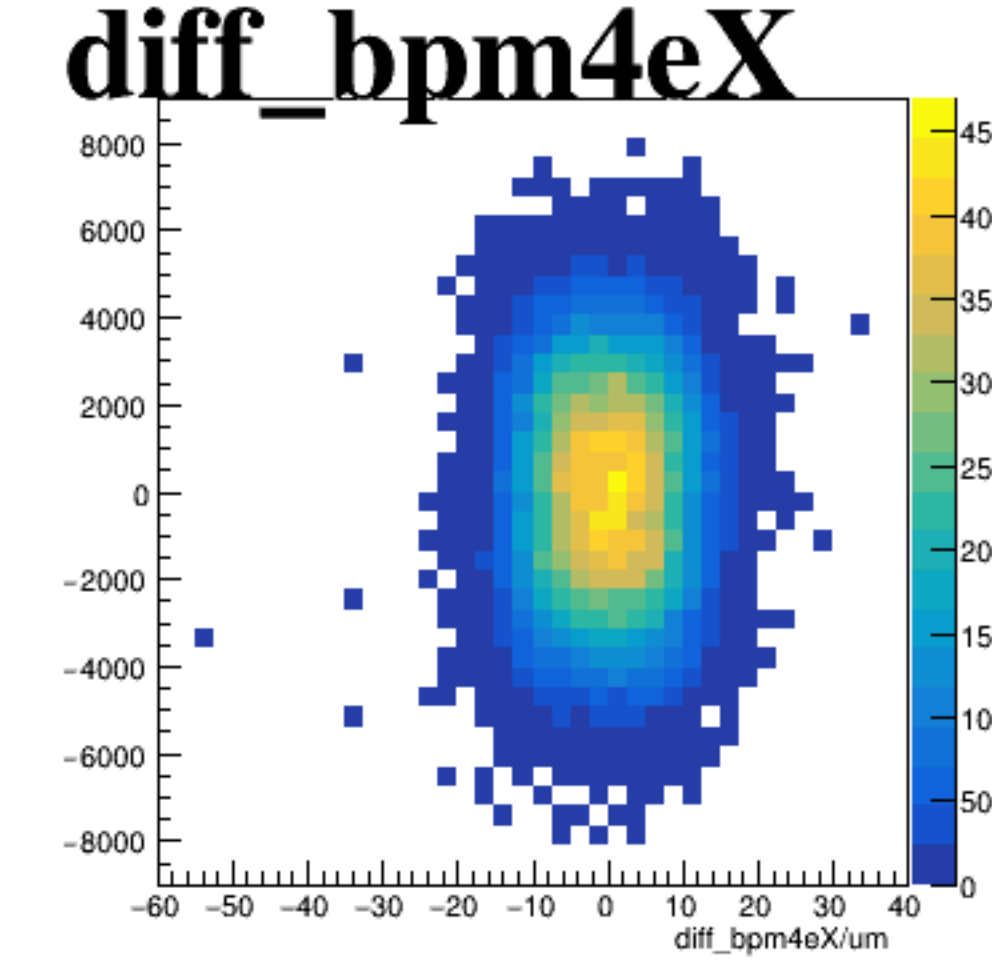
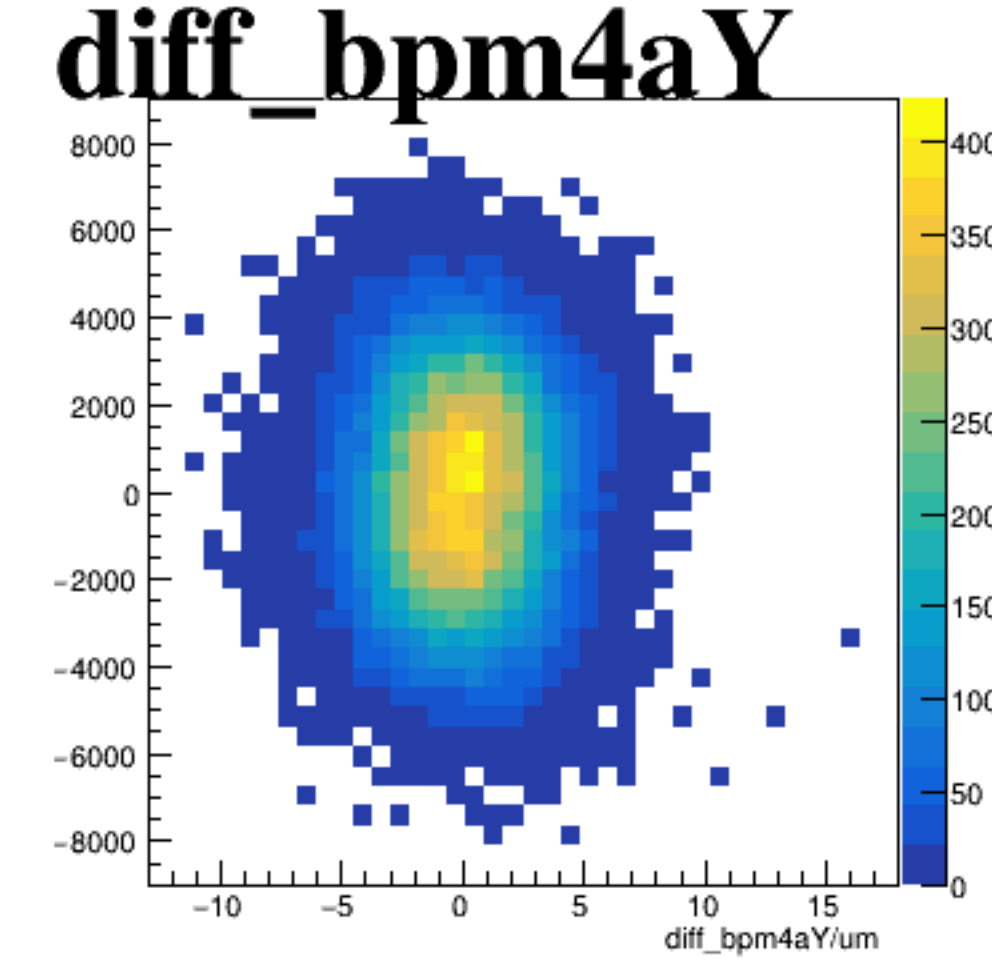
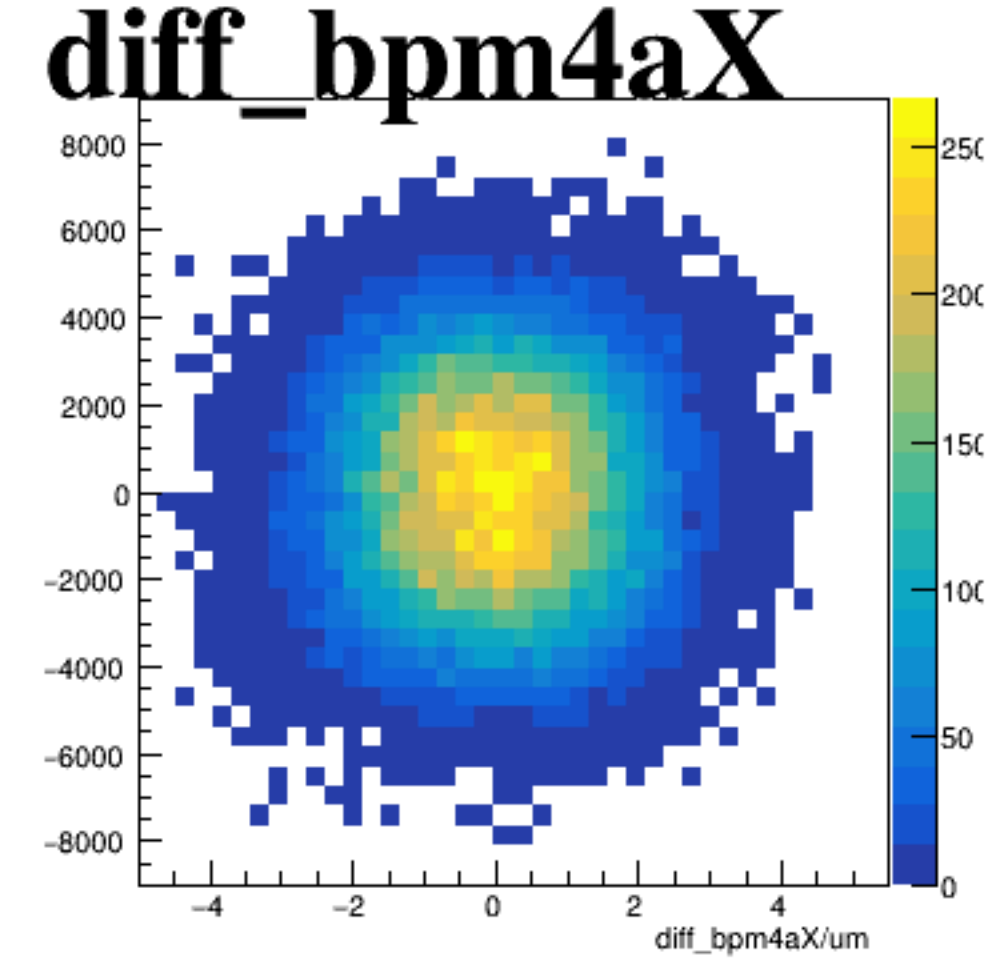
asym_sam6



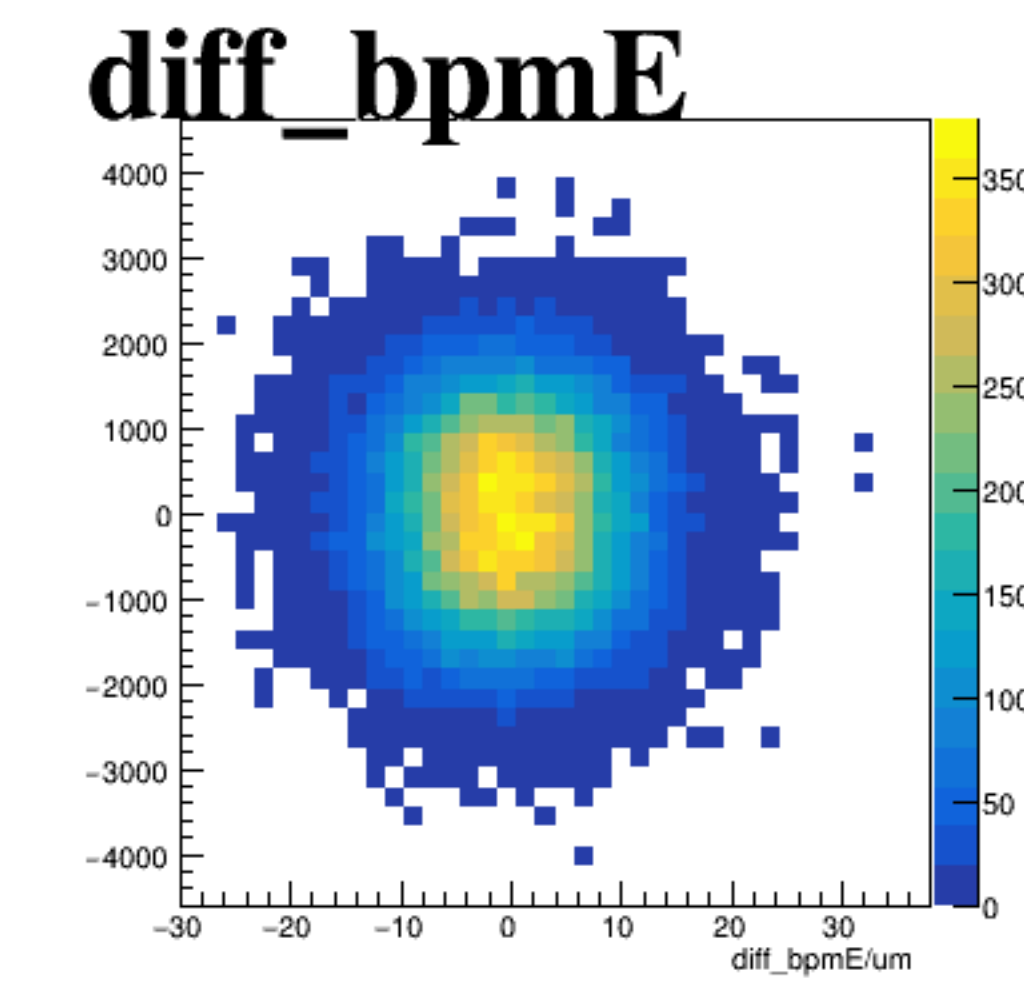
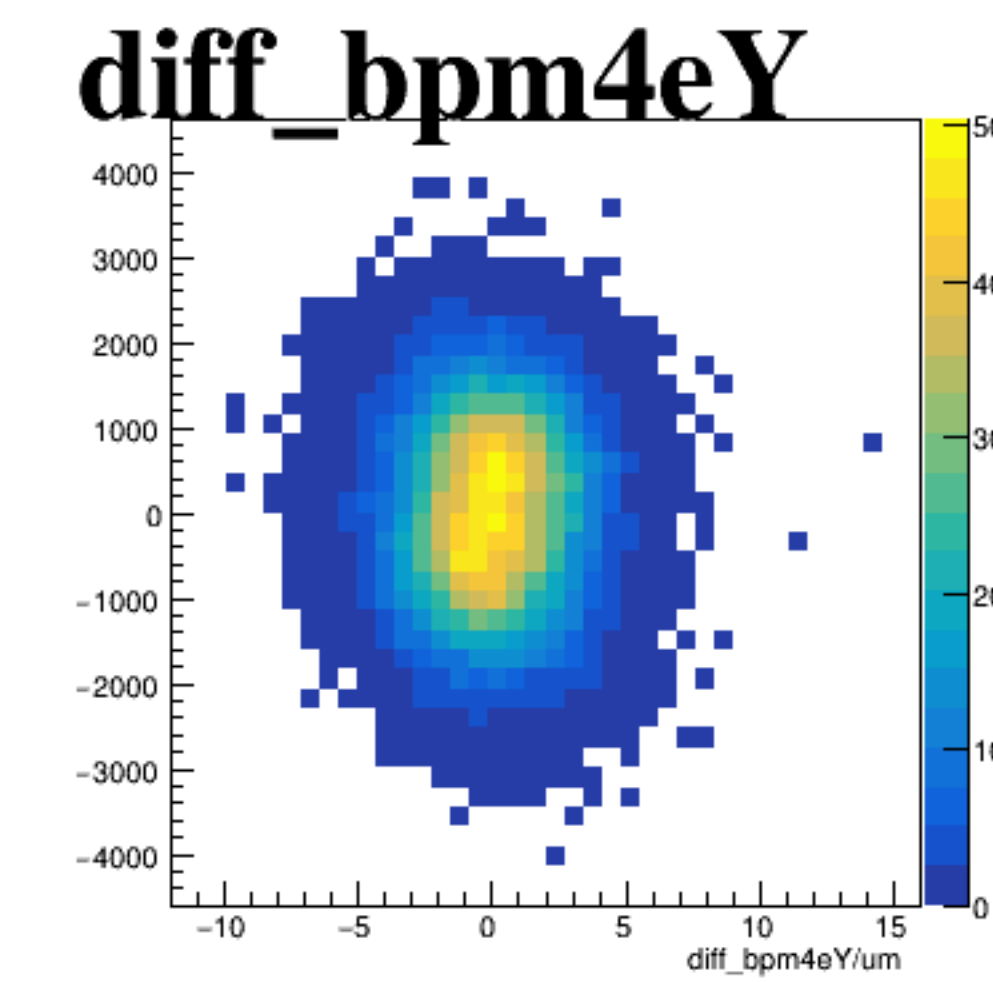
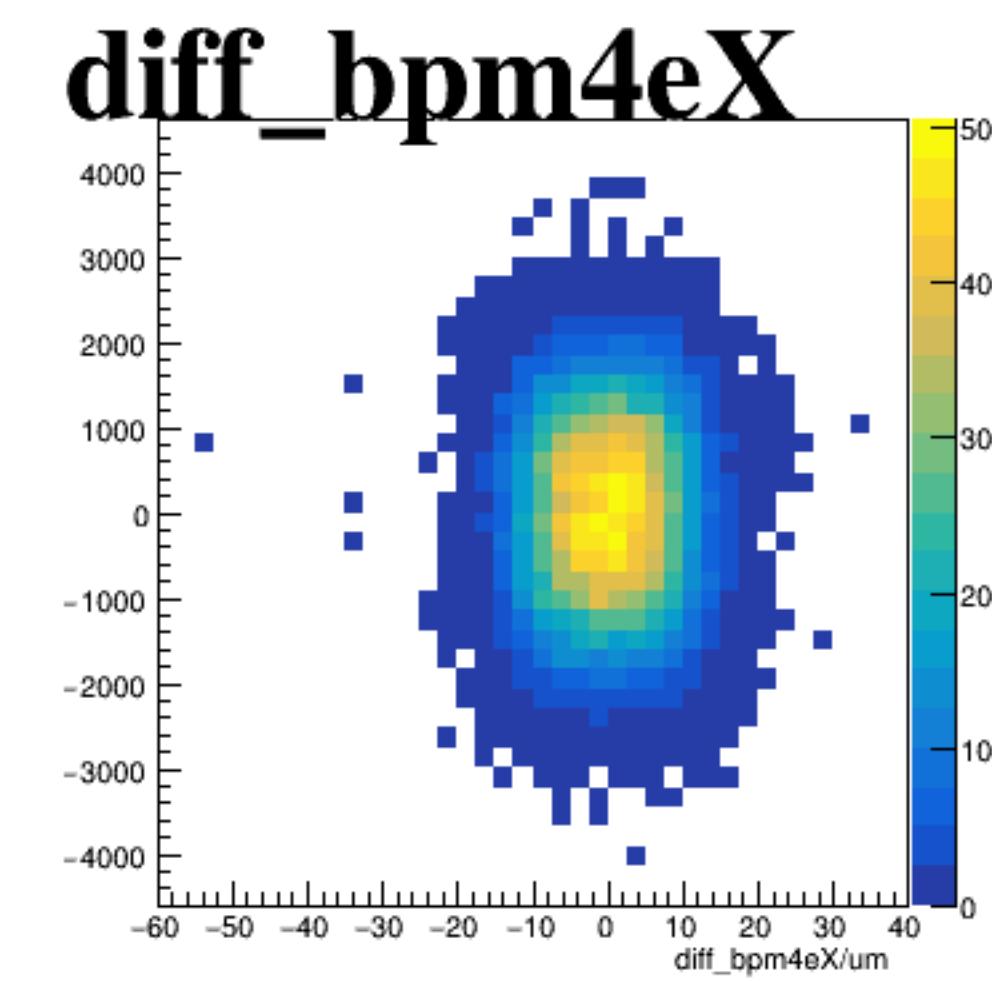
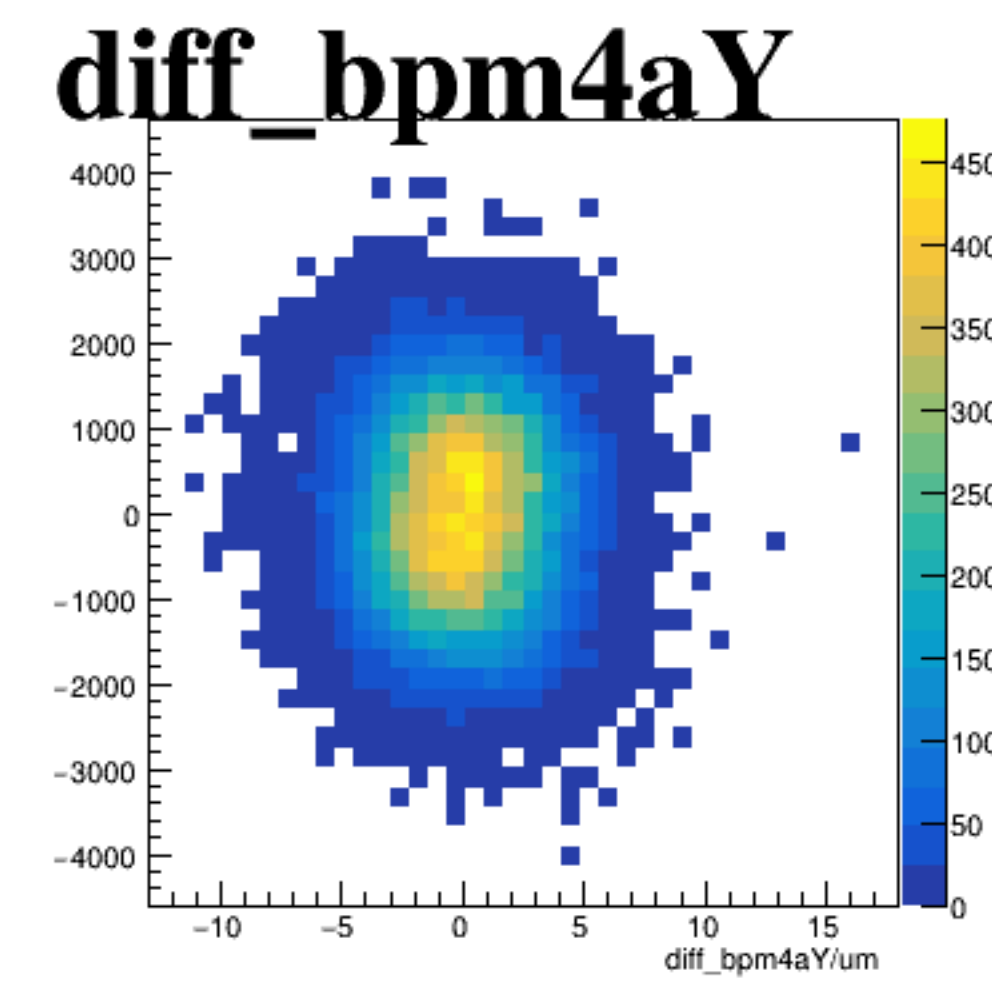
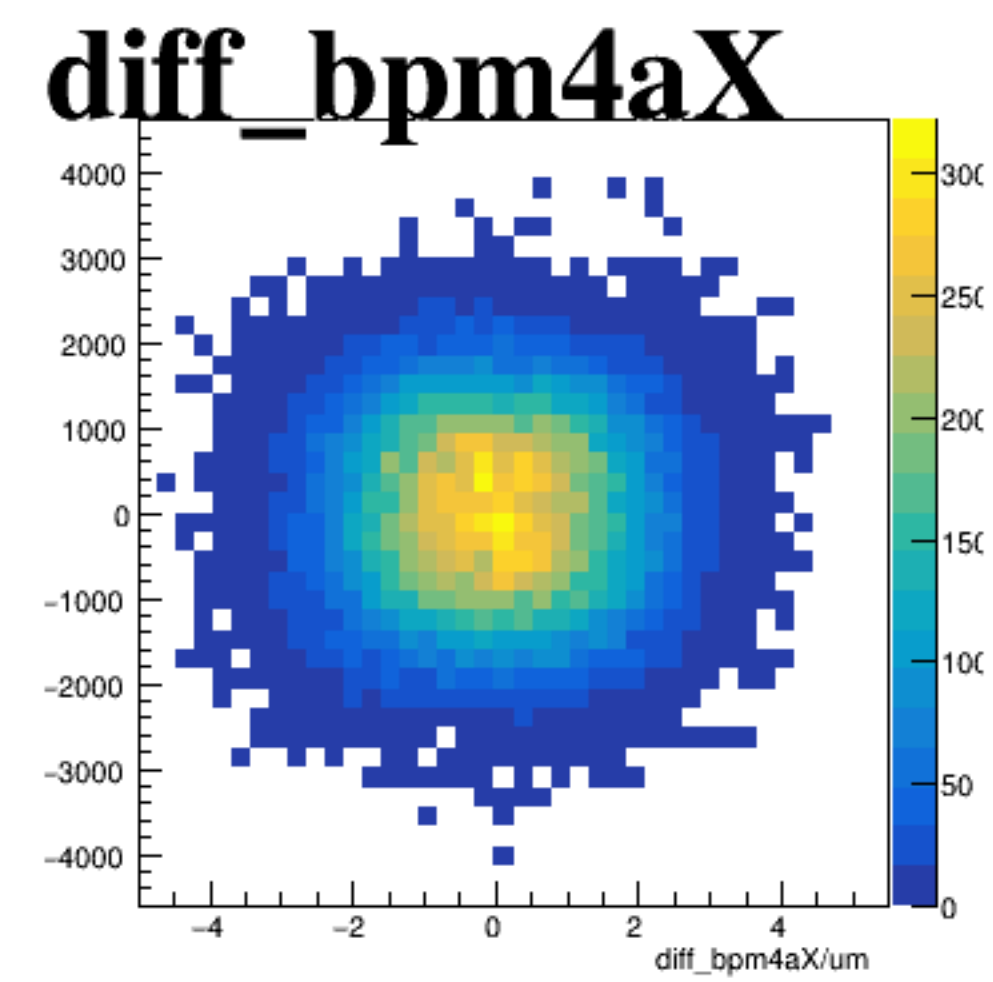
asym_sam8



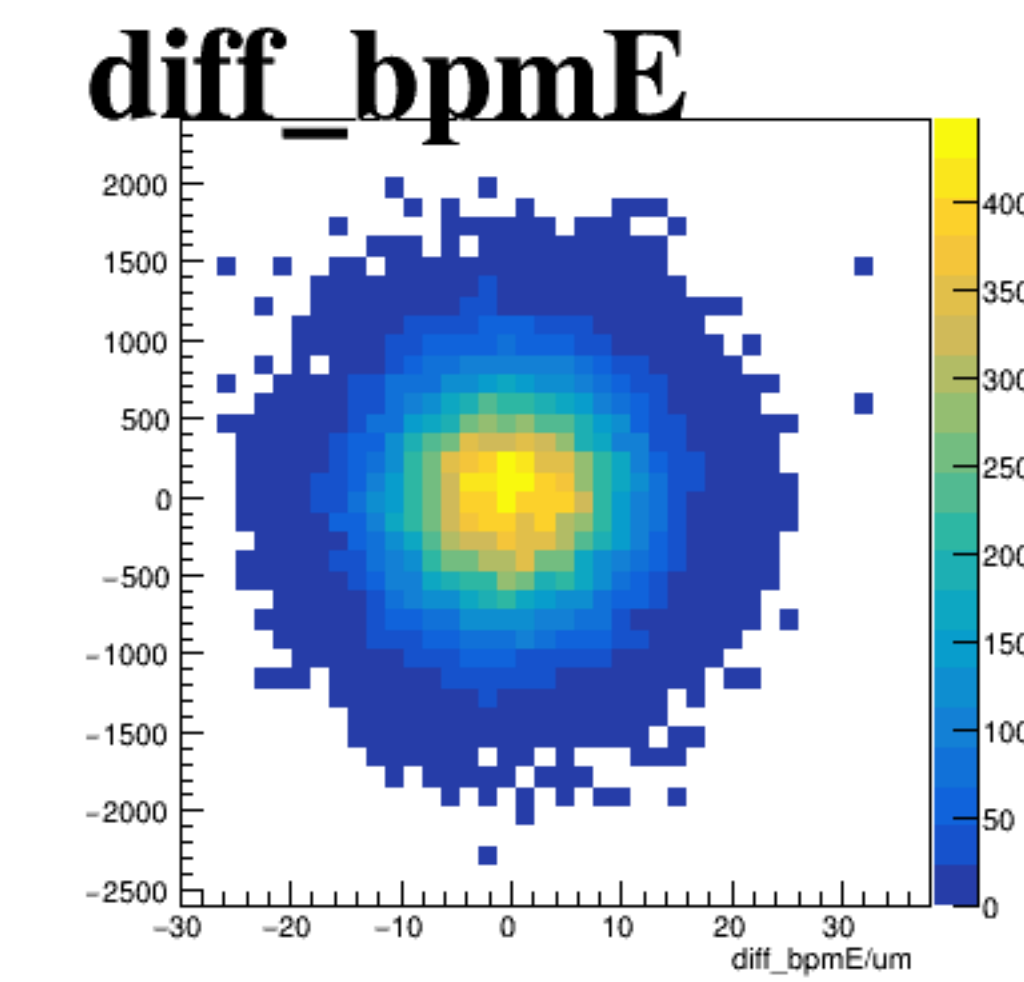
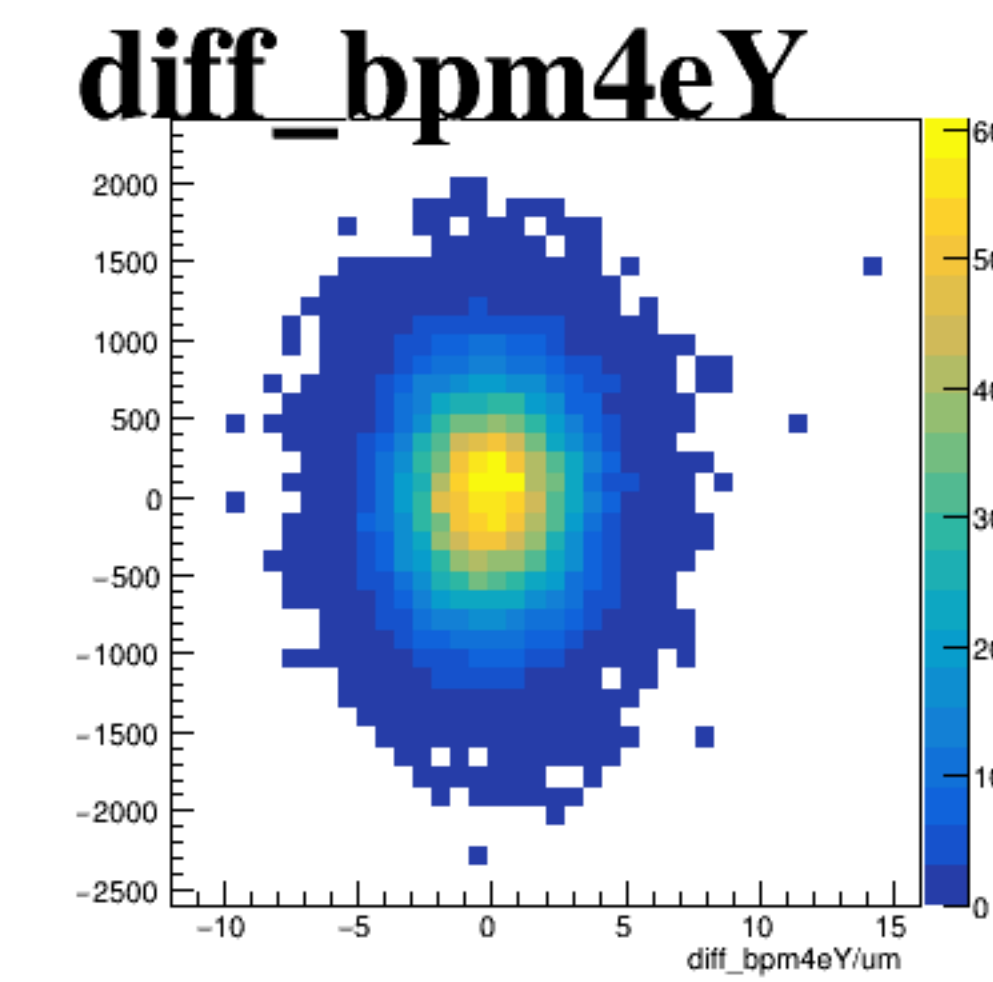
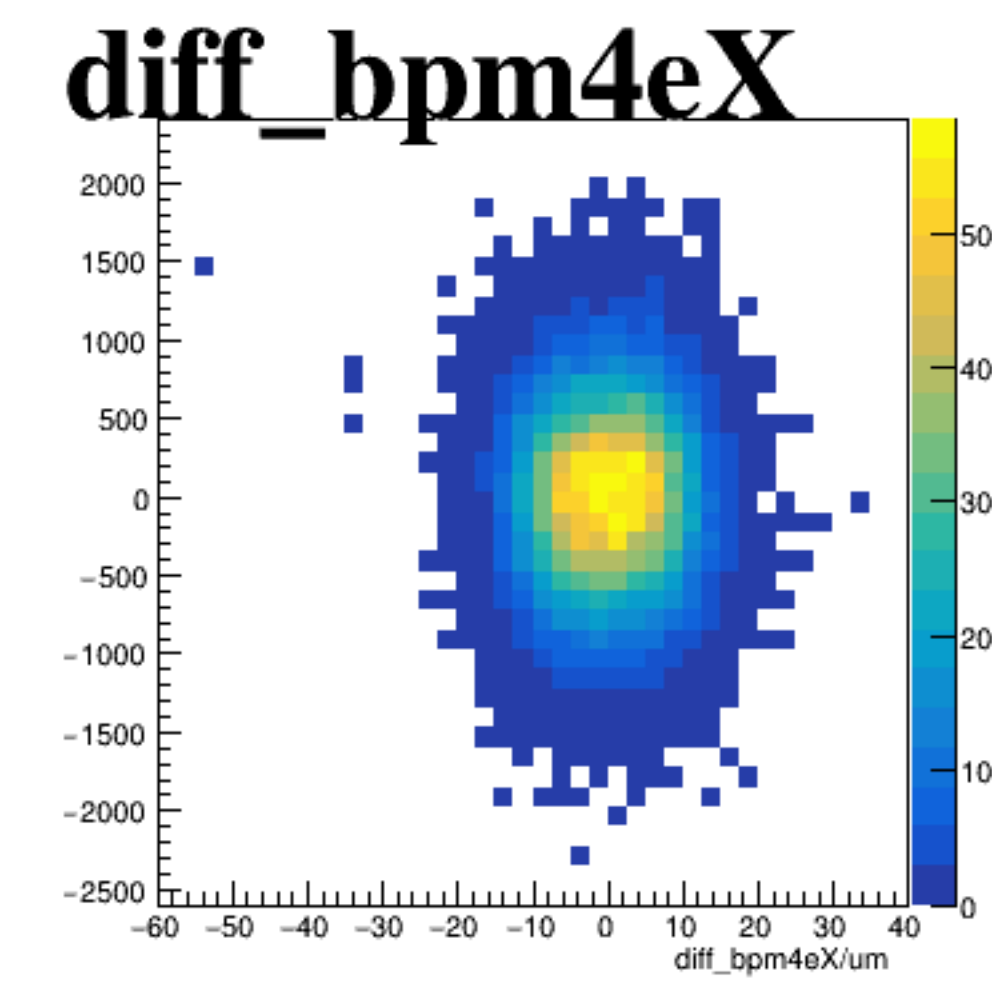
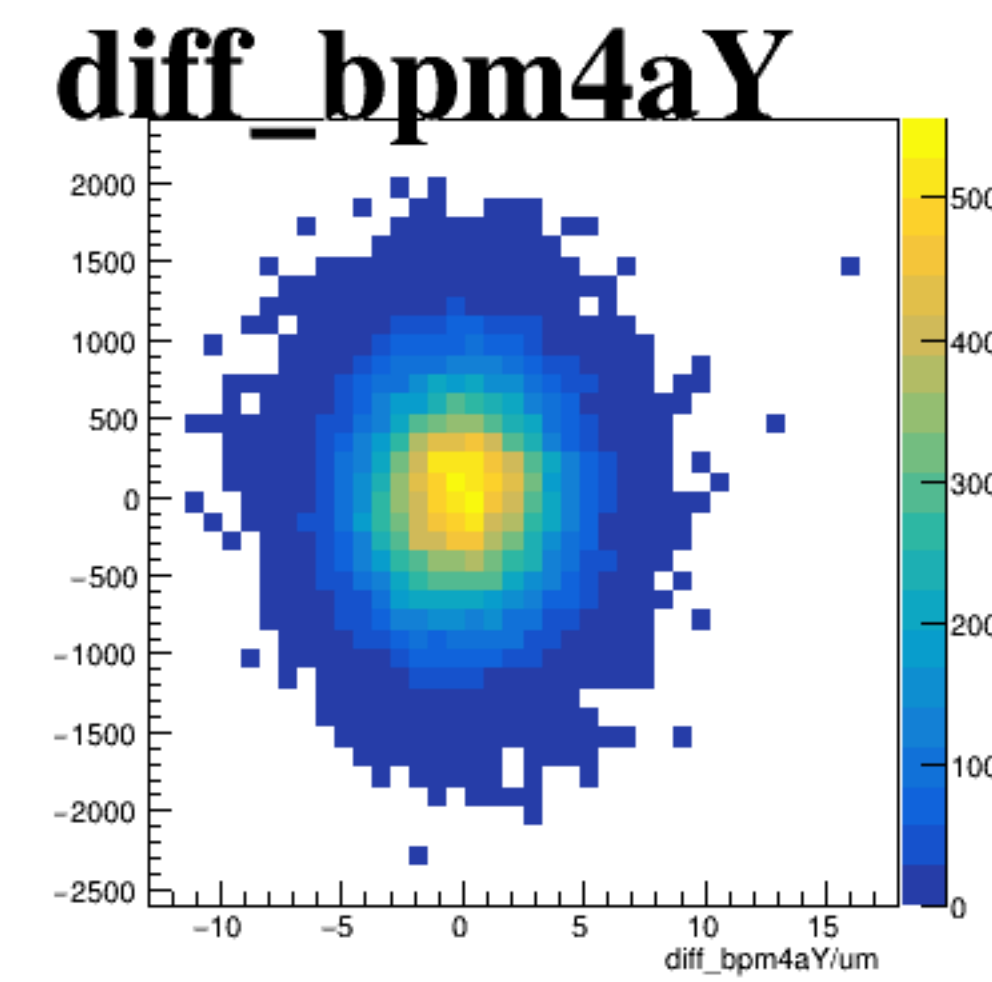
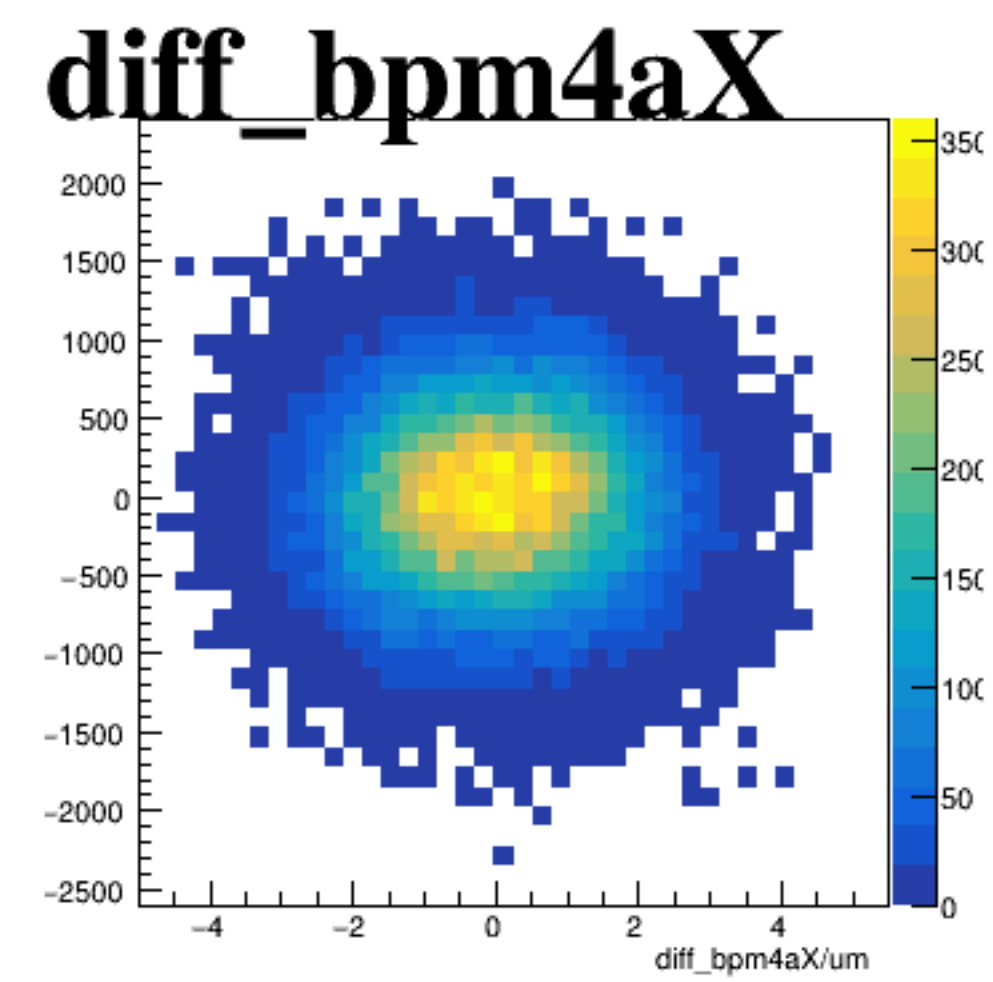
reg_asym_sam2



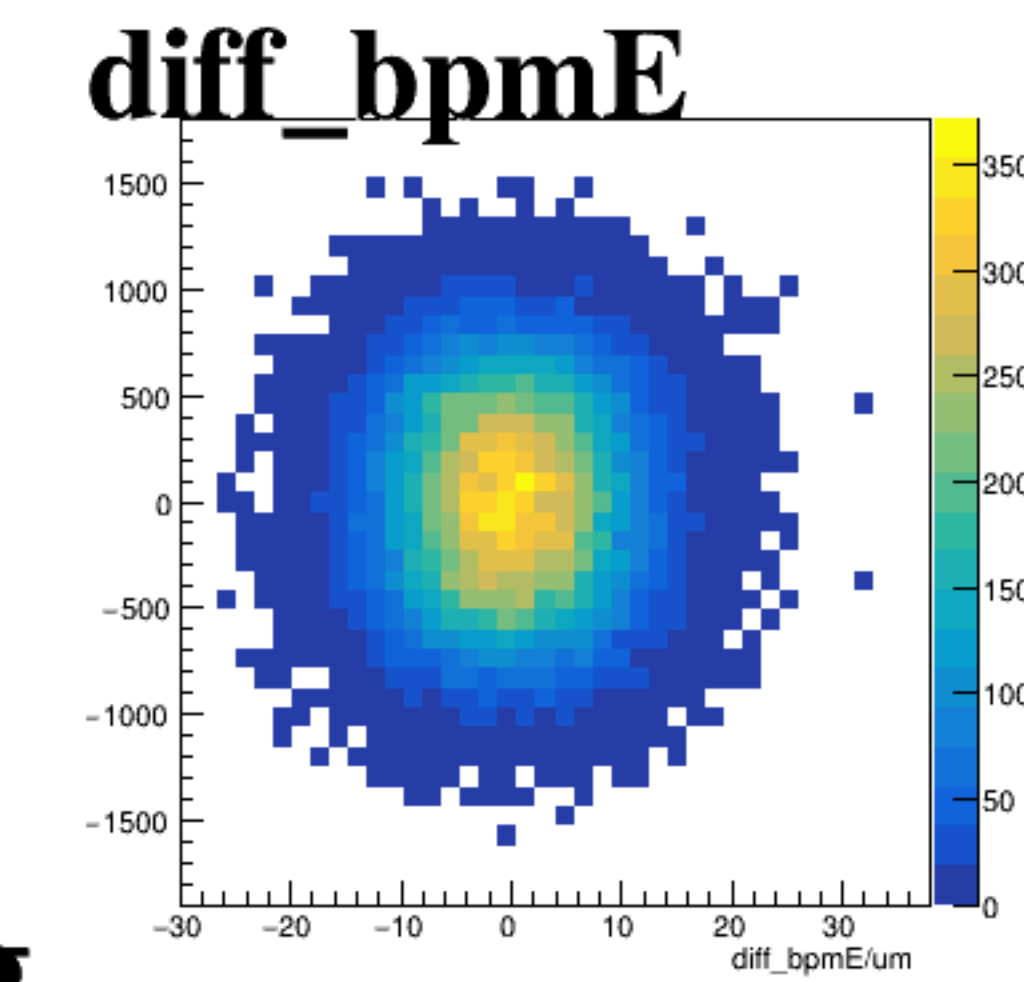
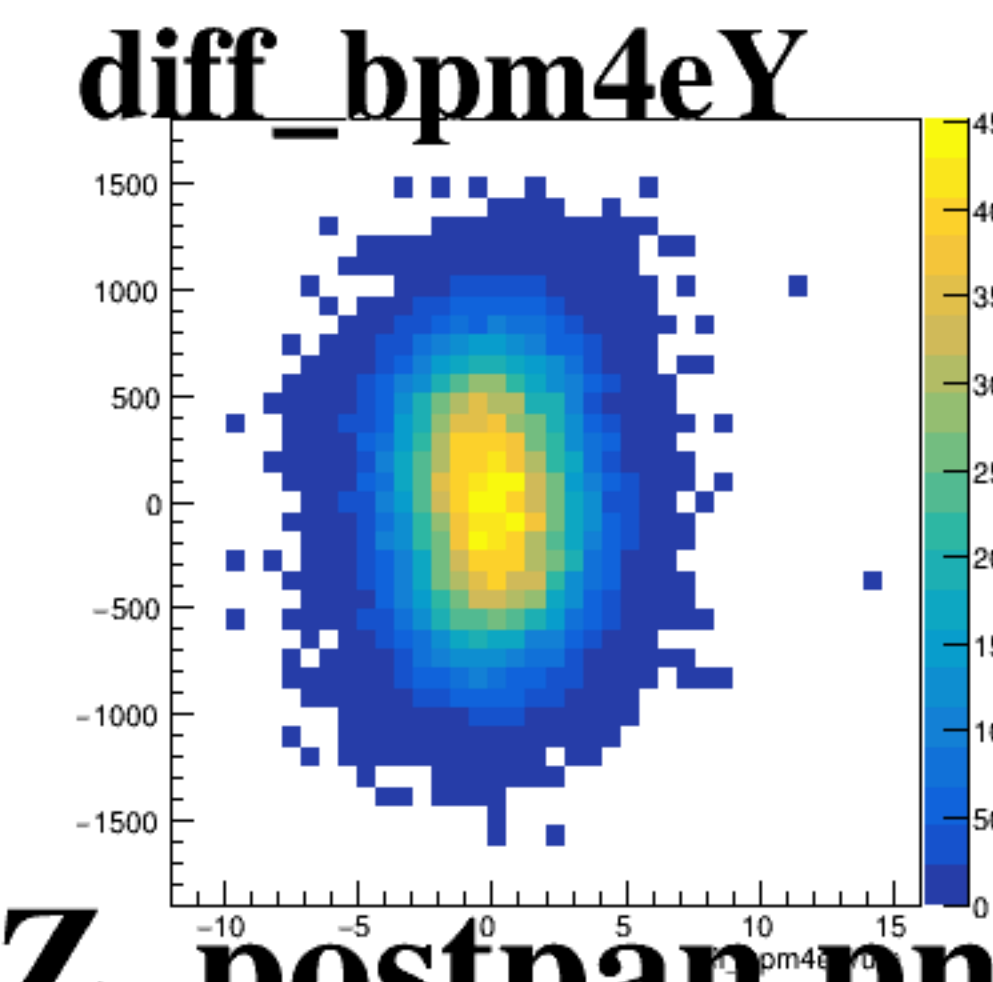
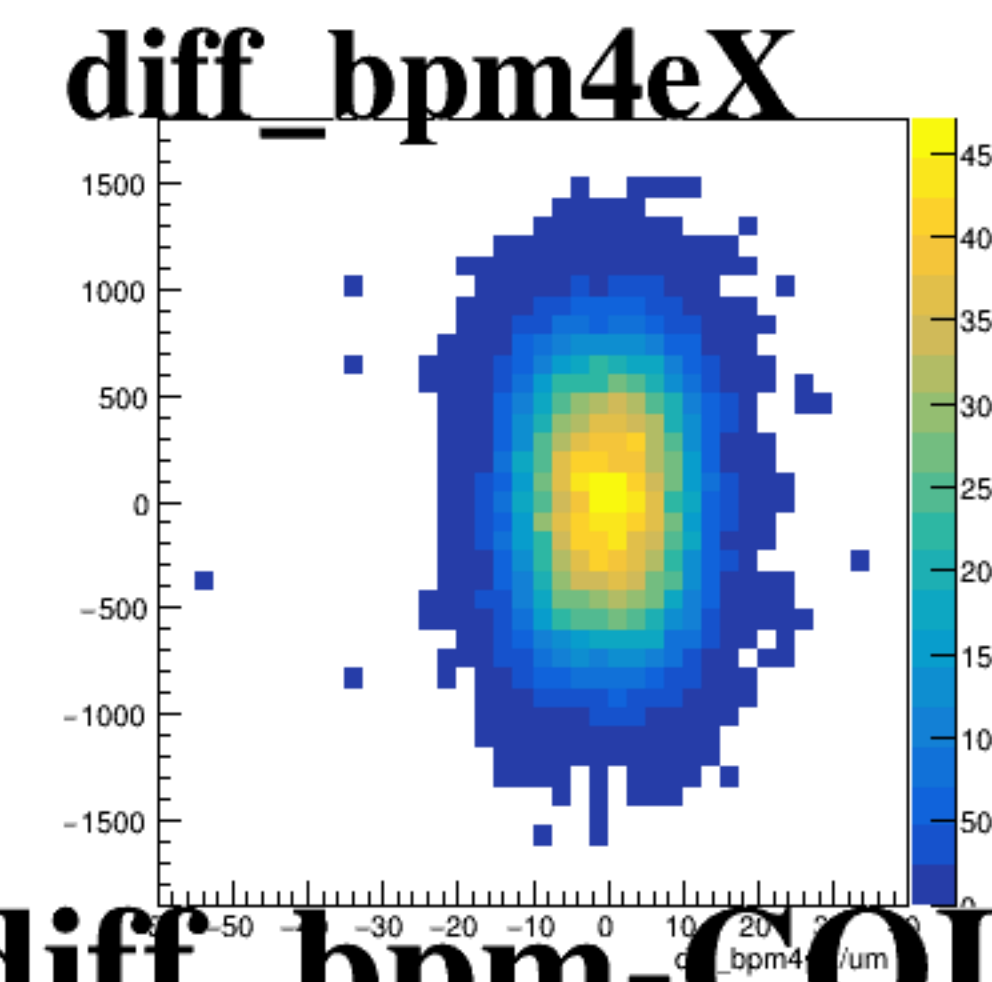
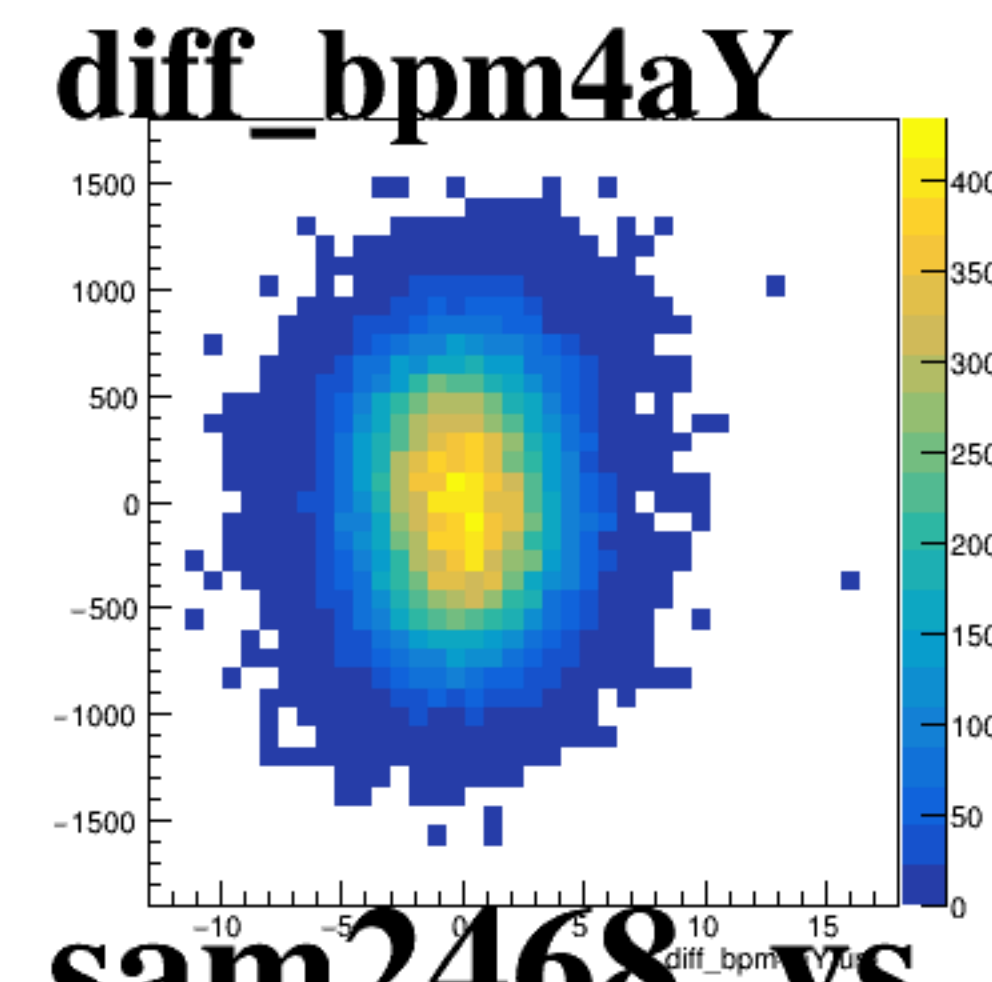
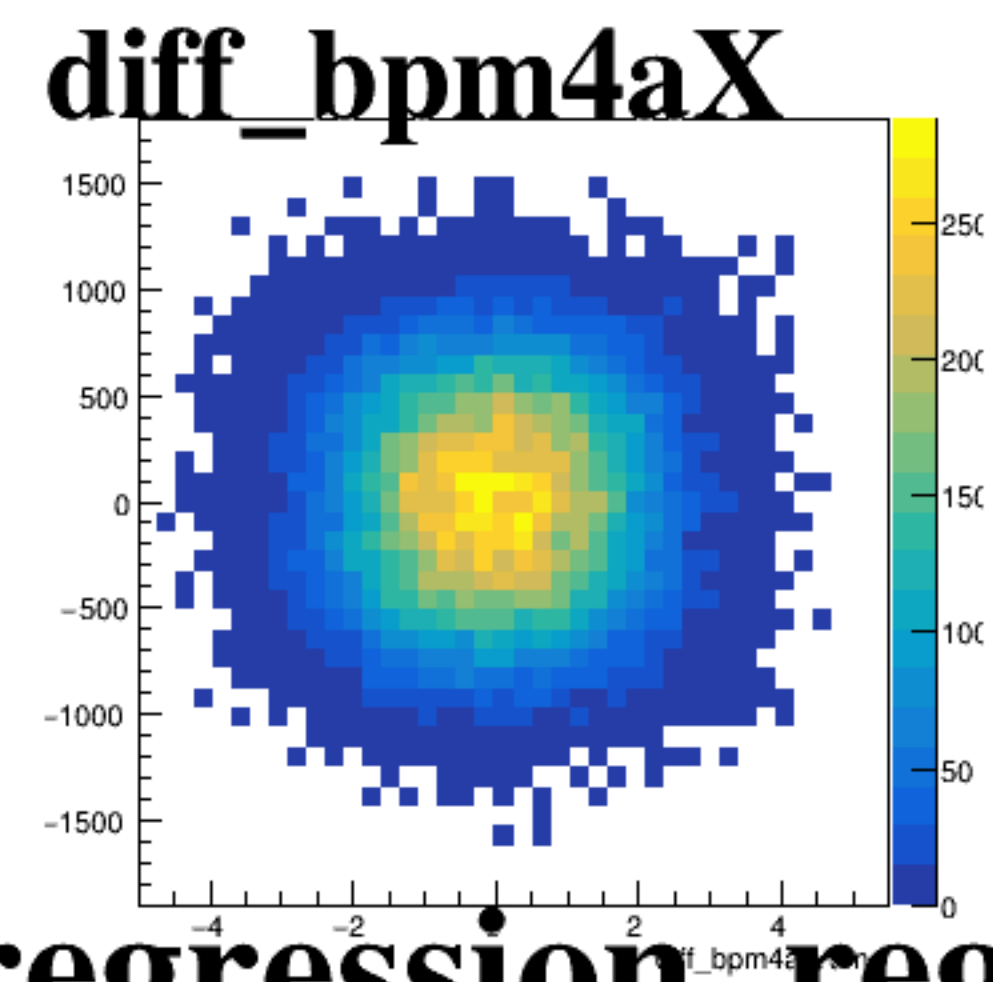
reg_asym_sam4



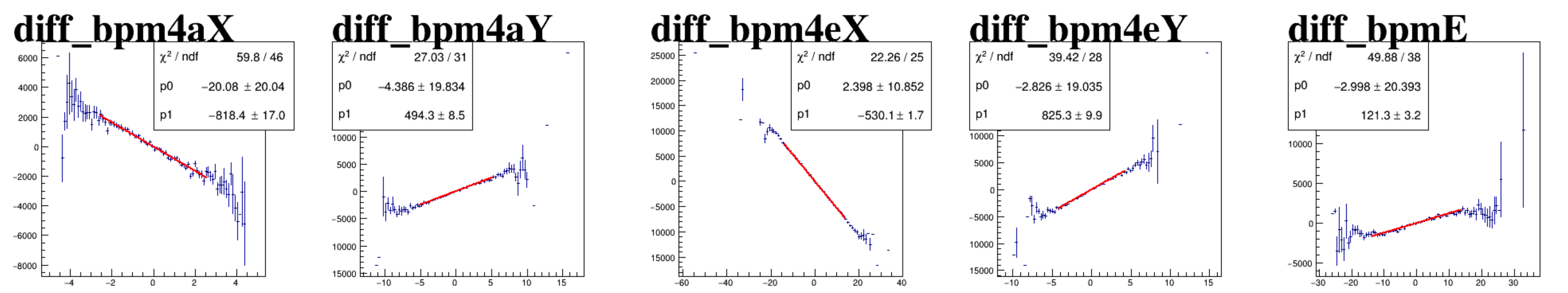
reg_asym_sam6



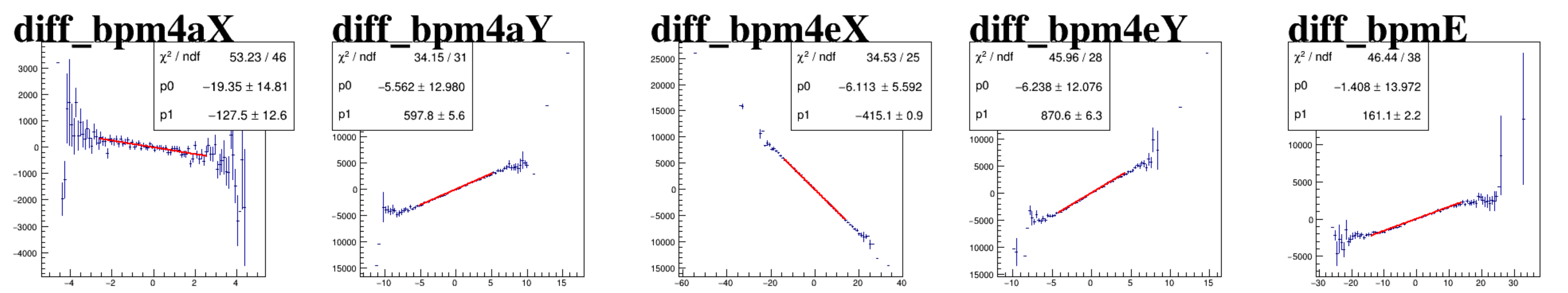
reg_asym_sam8



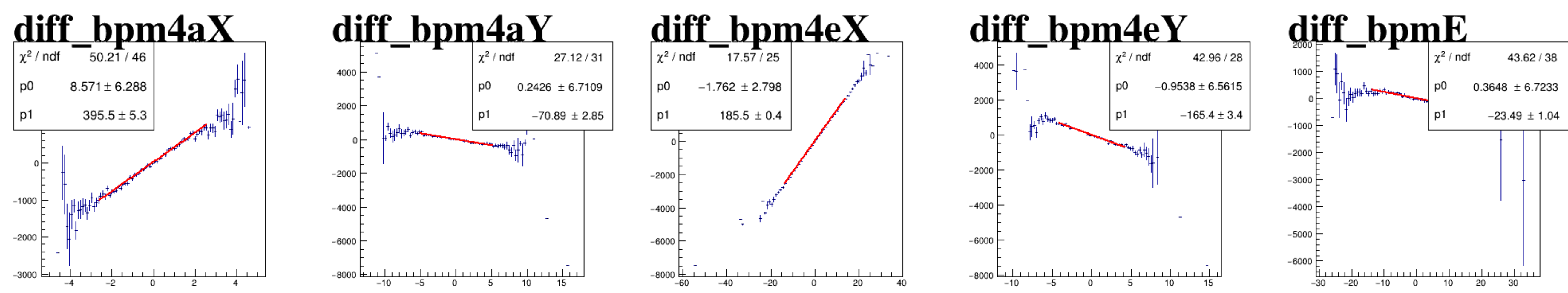
asym_sam2



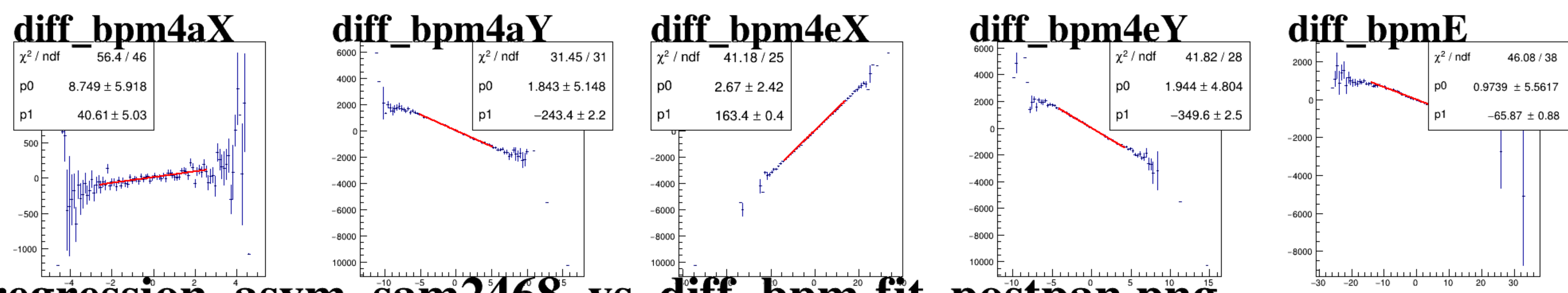
asym_sam4



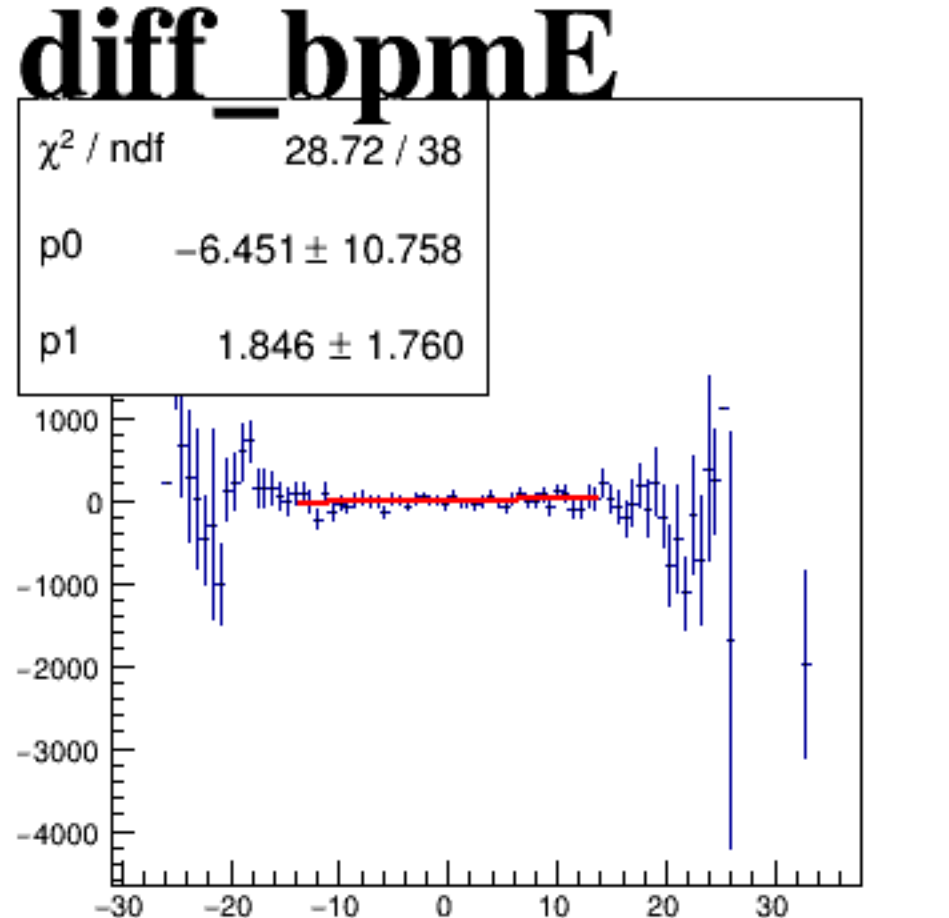
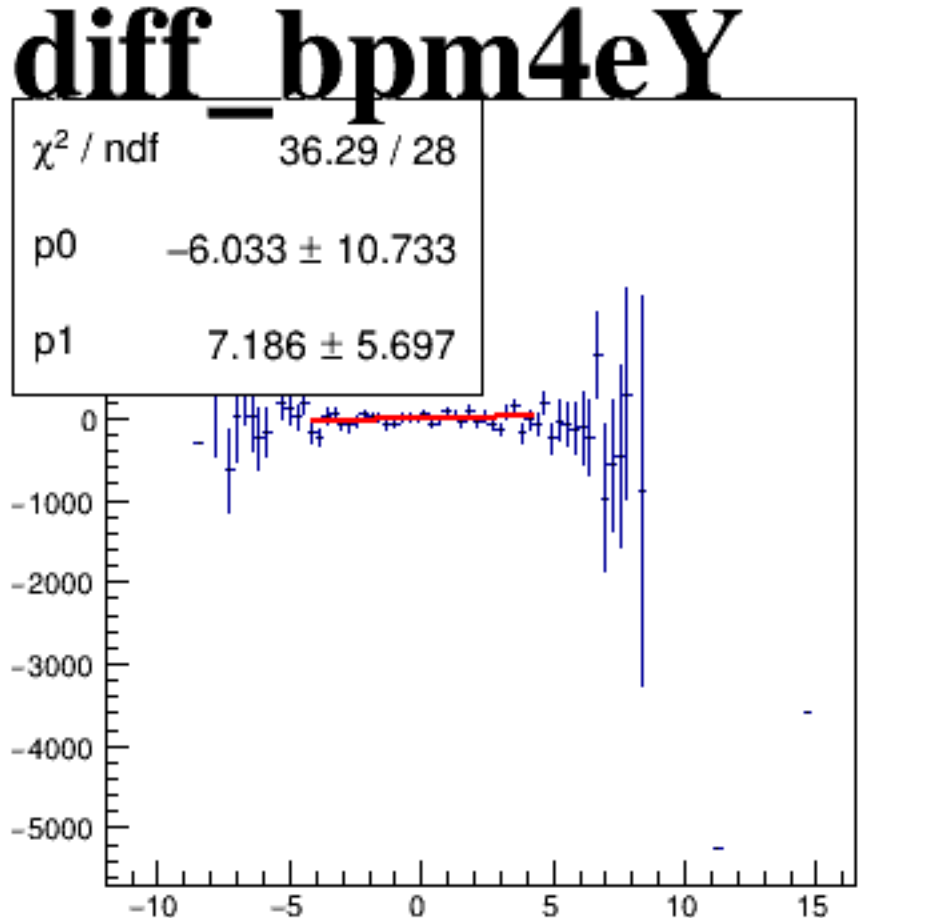
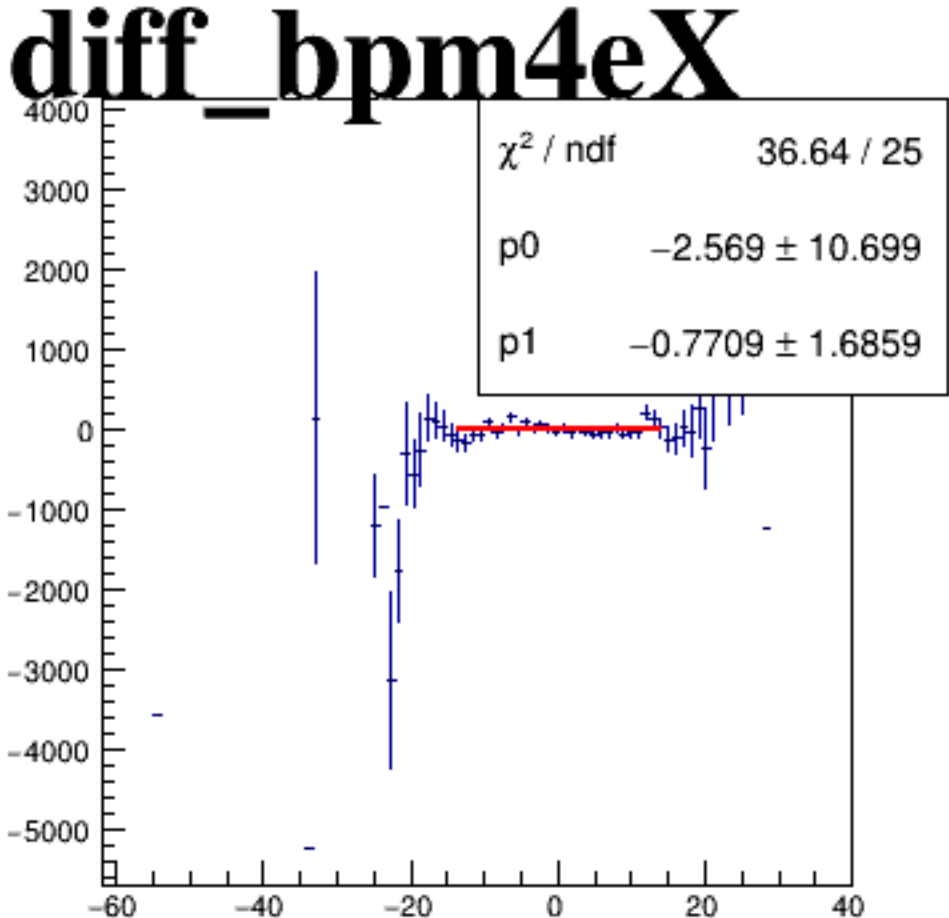
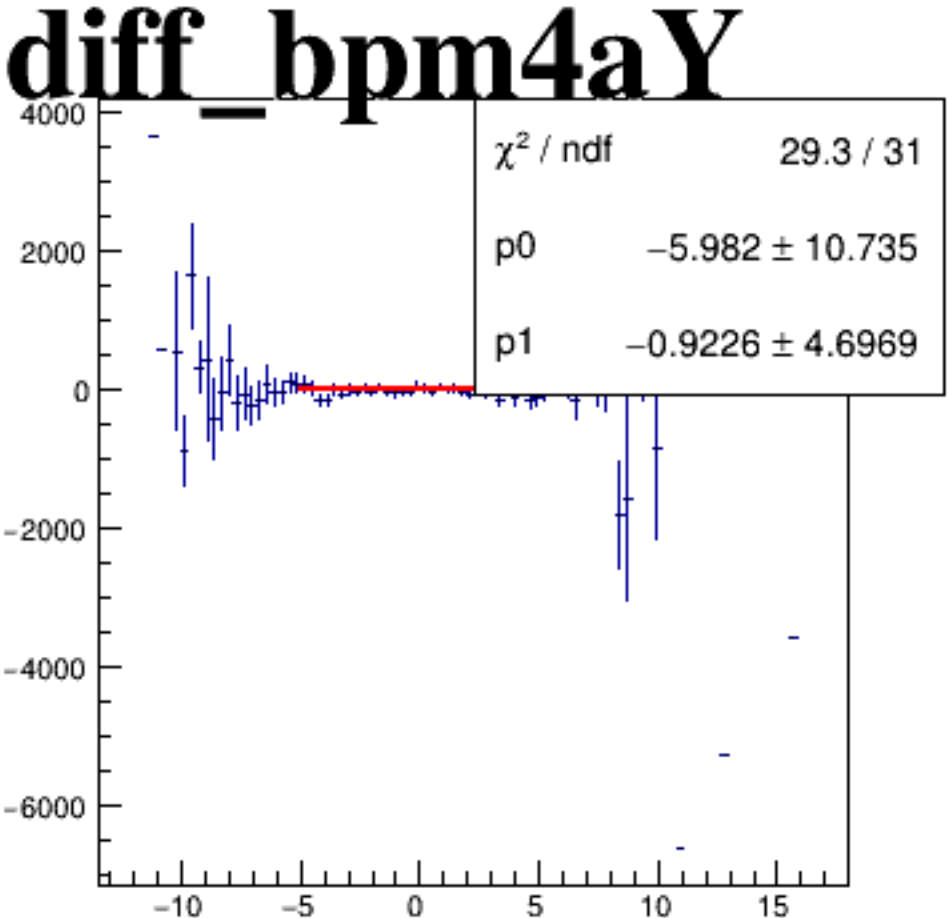
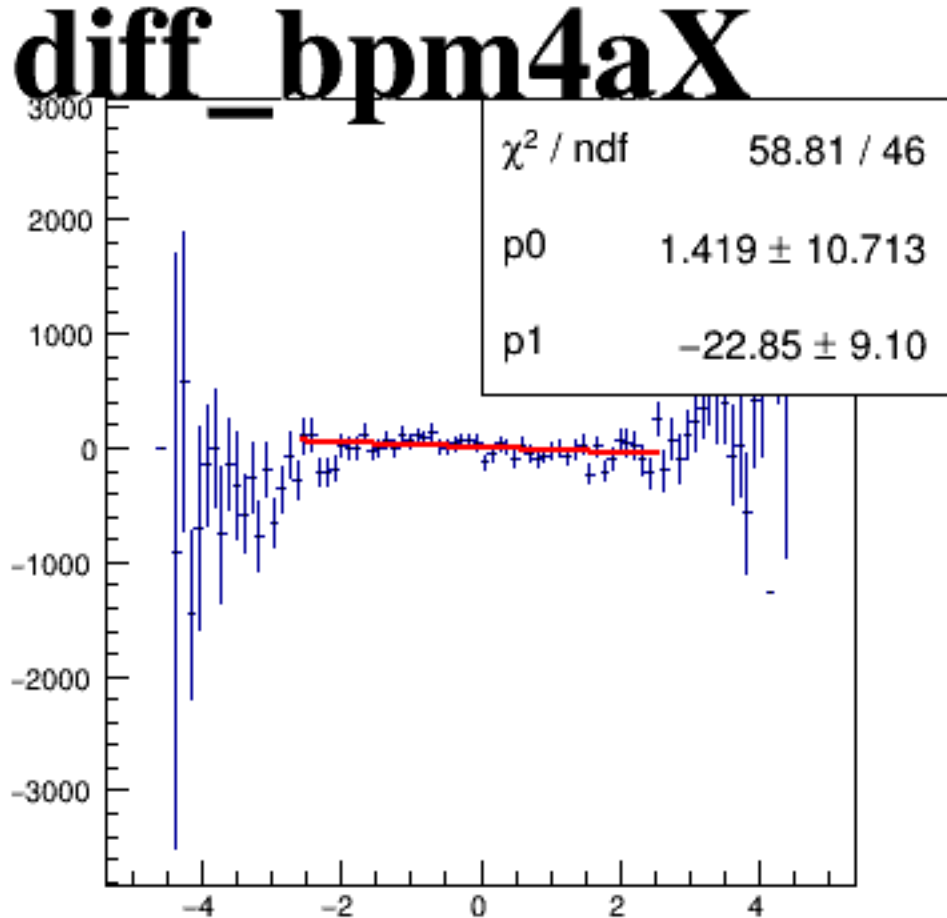
asym_sam6



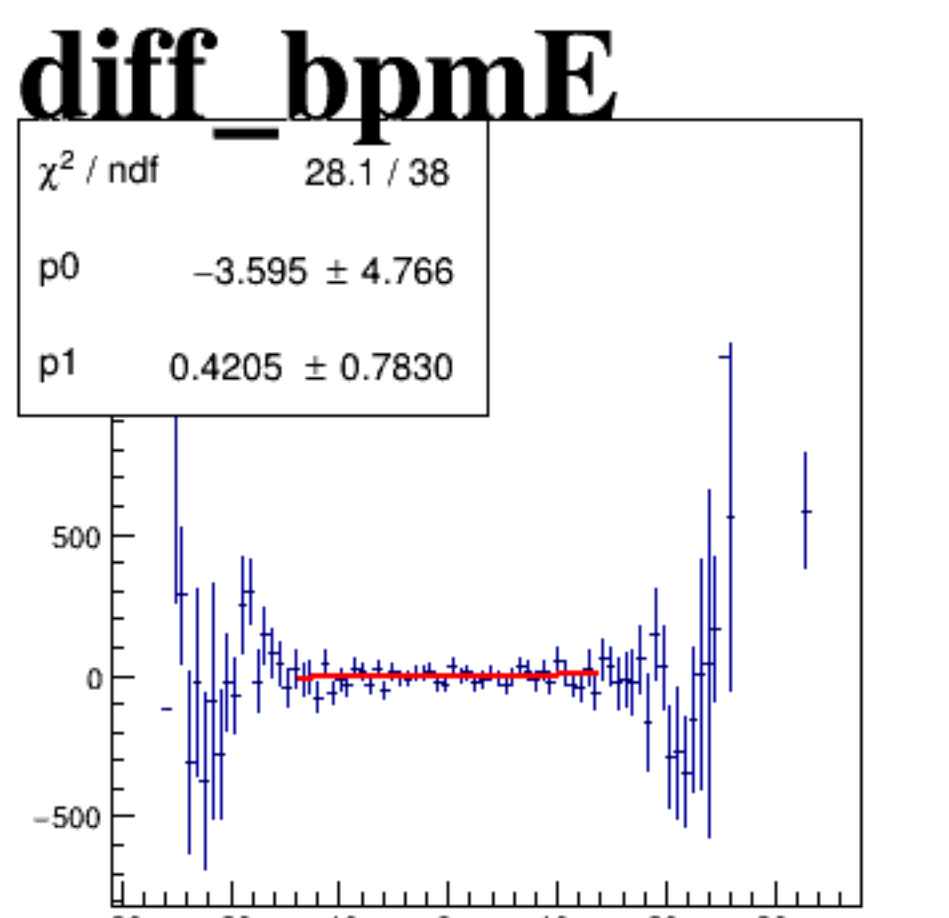
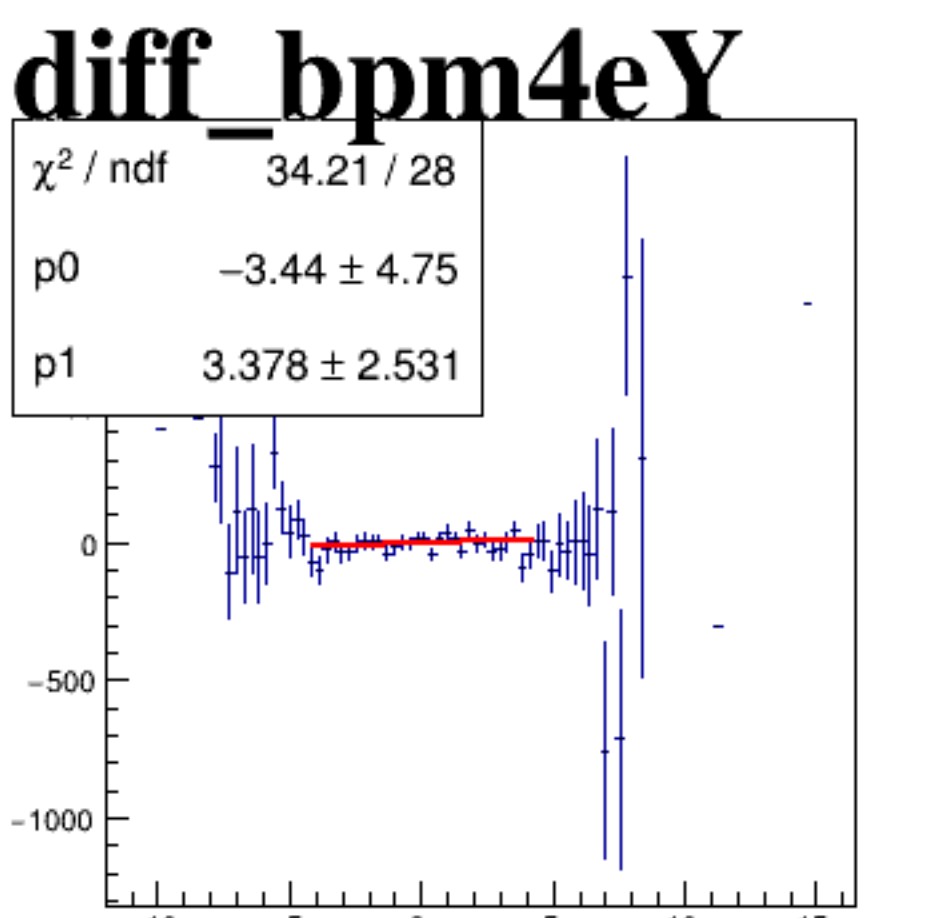
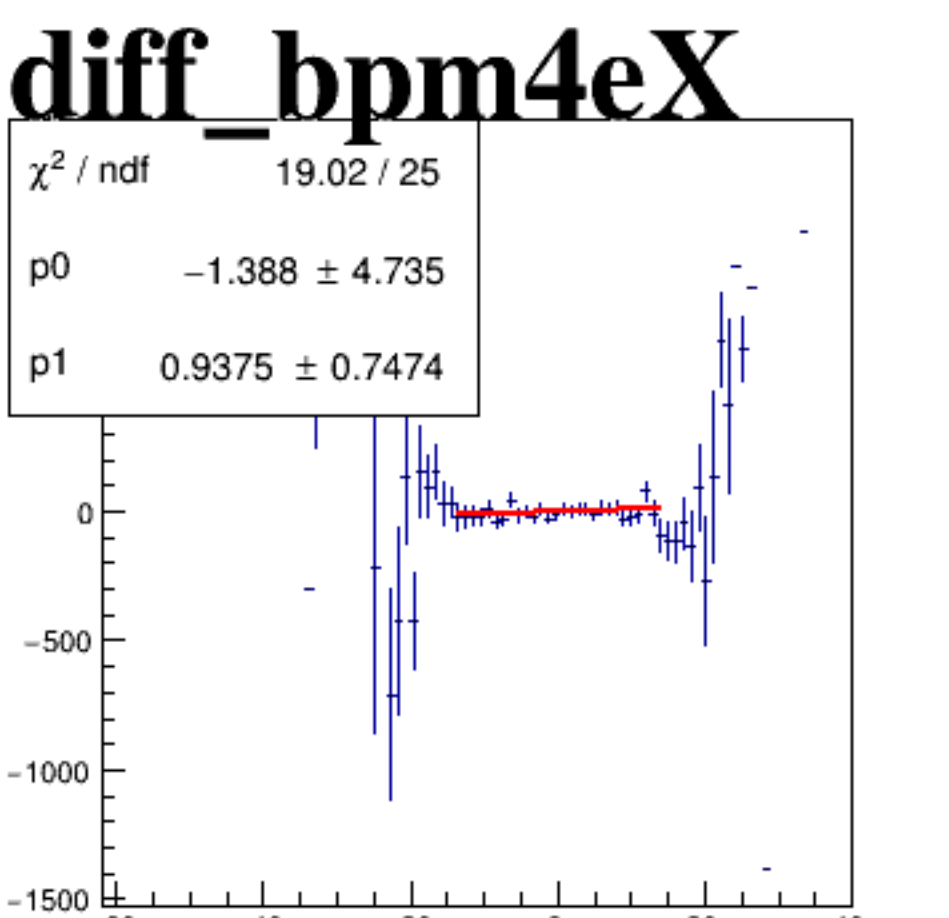
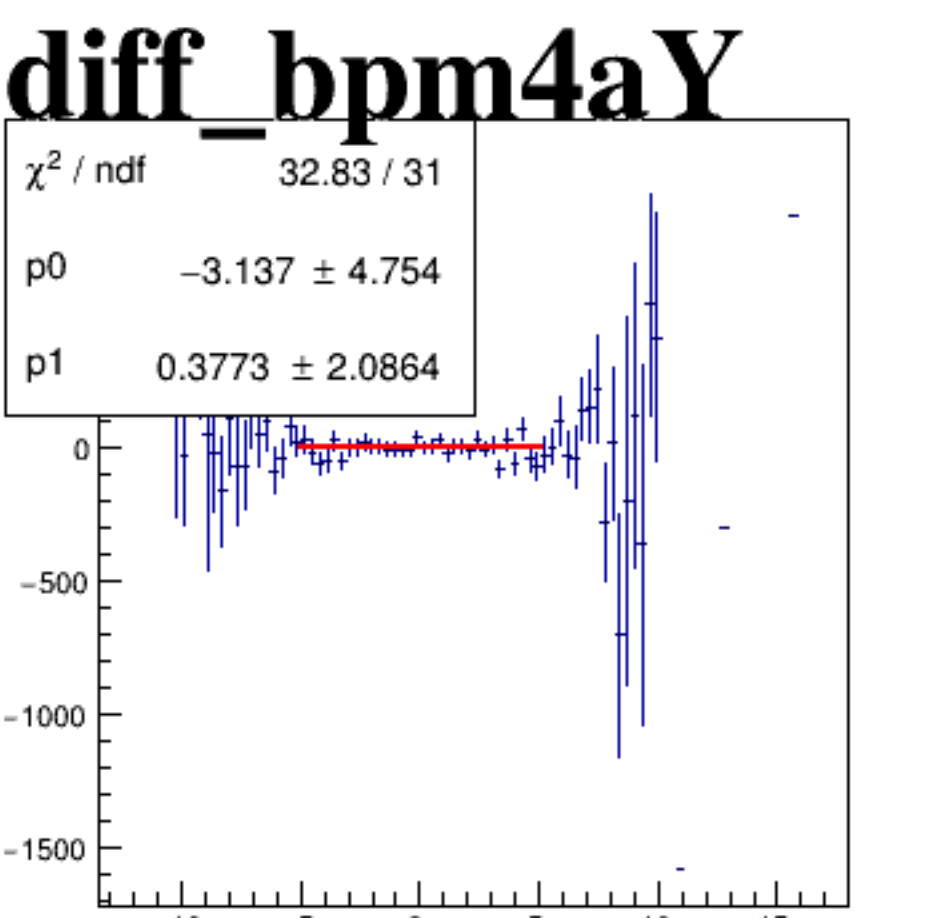
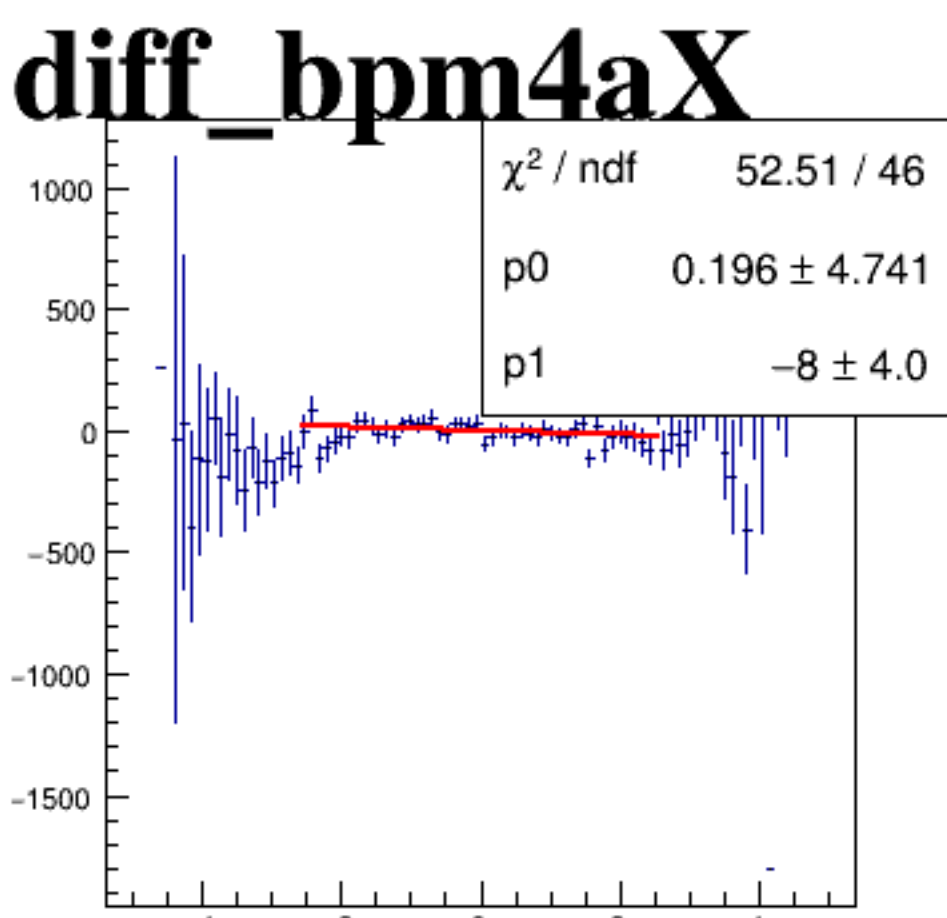
asym_sam8



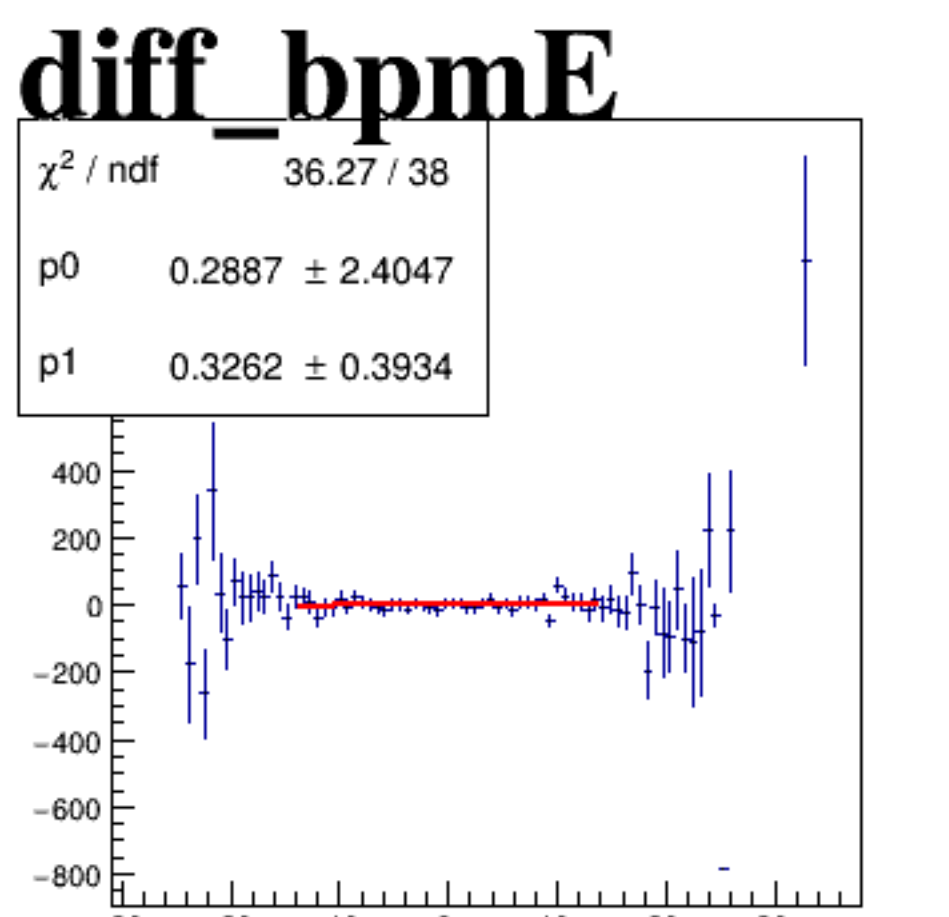
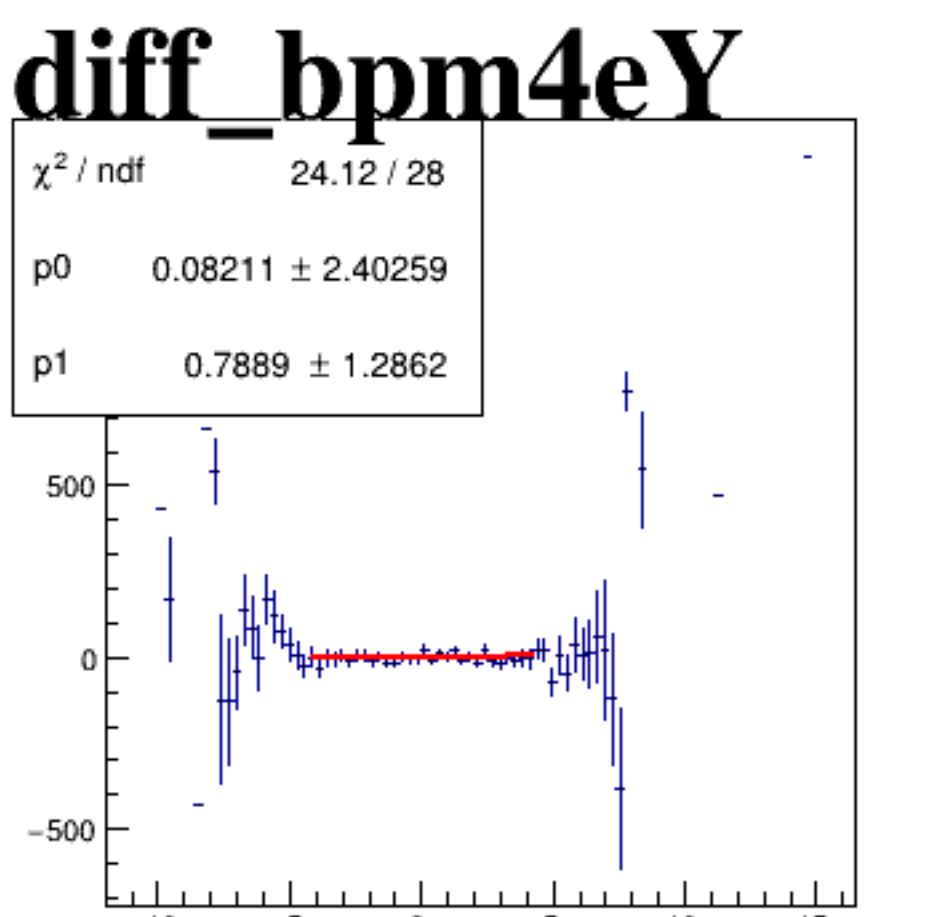
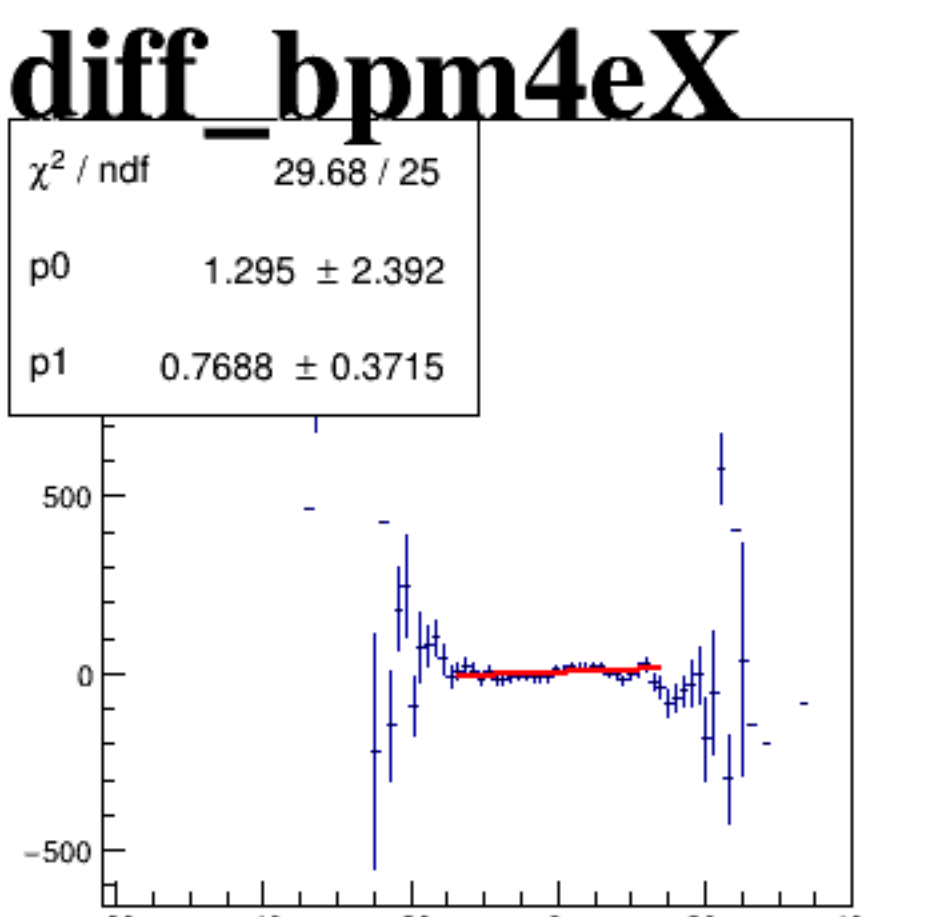
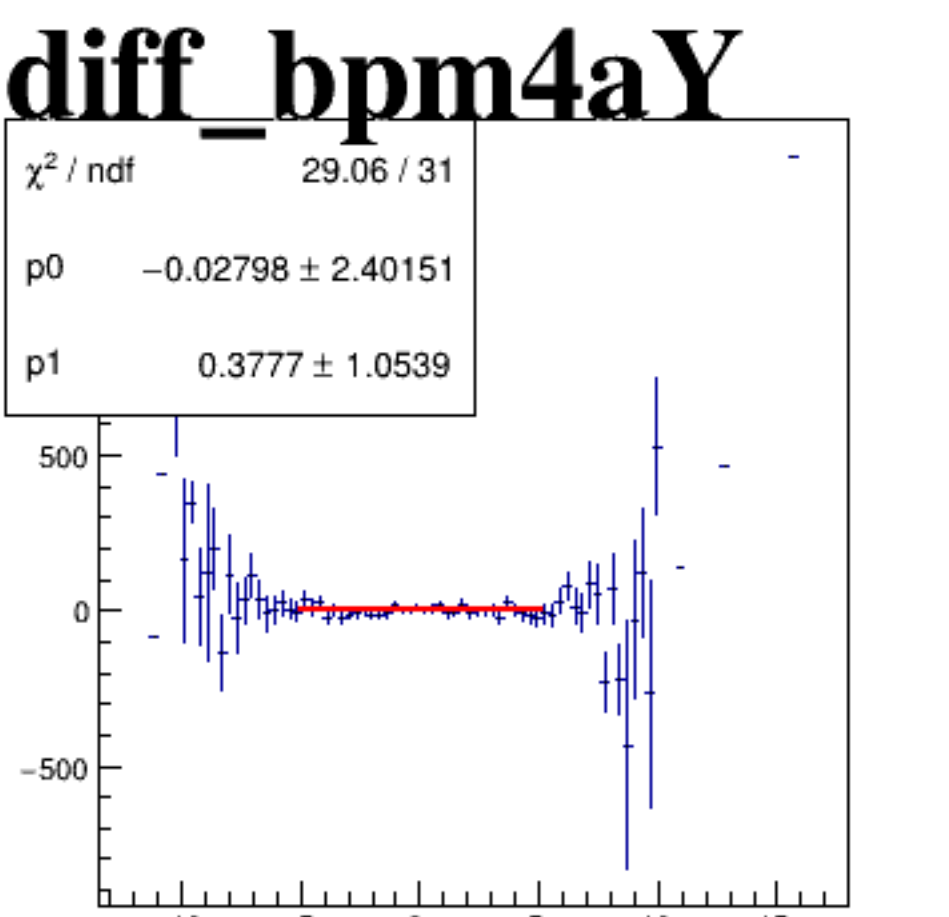
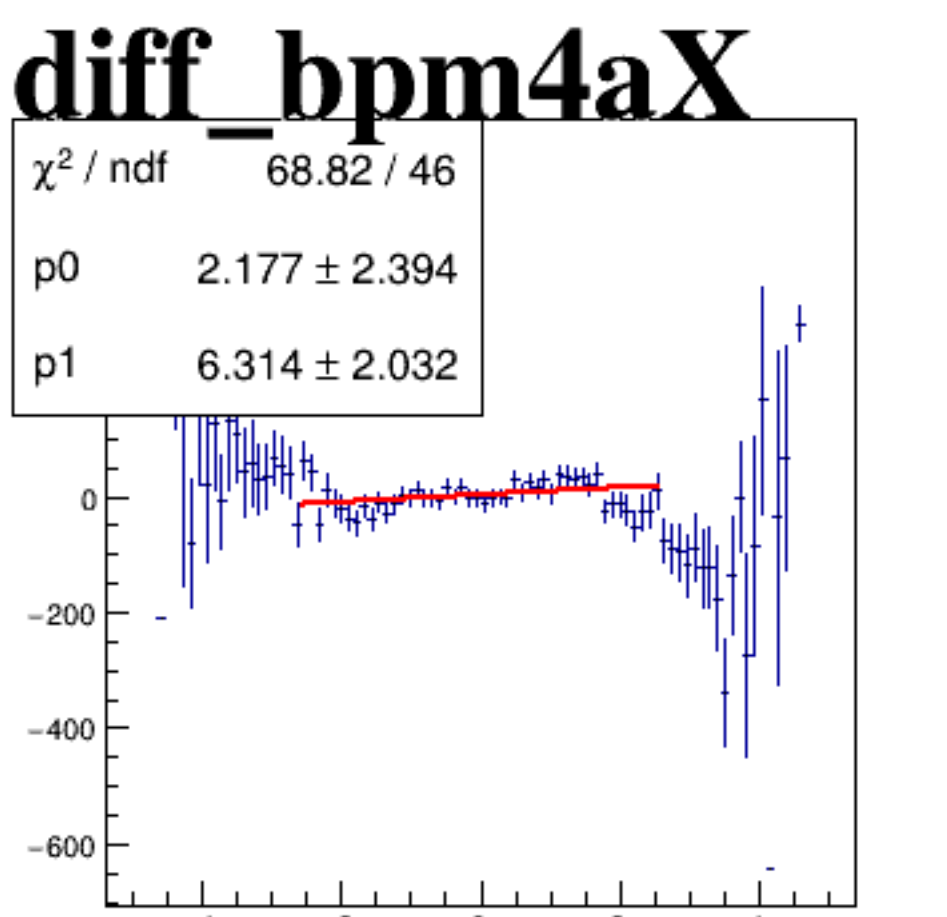
reg_asym_sam2



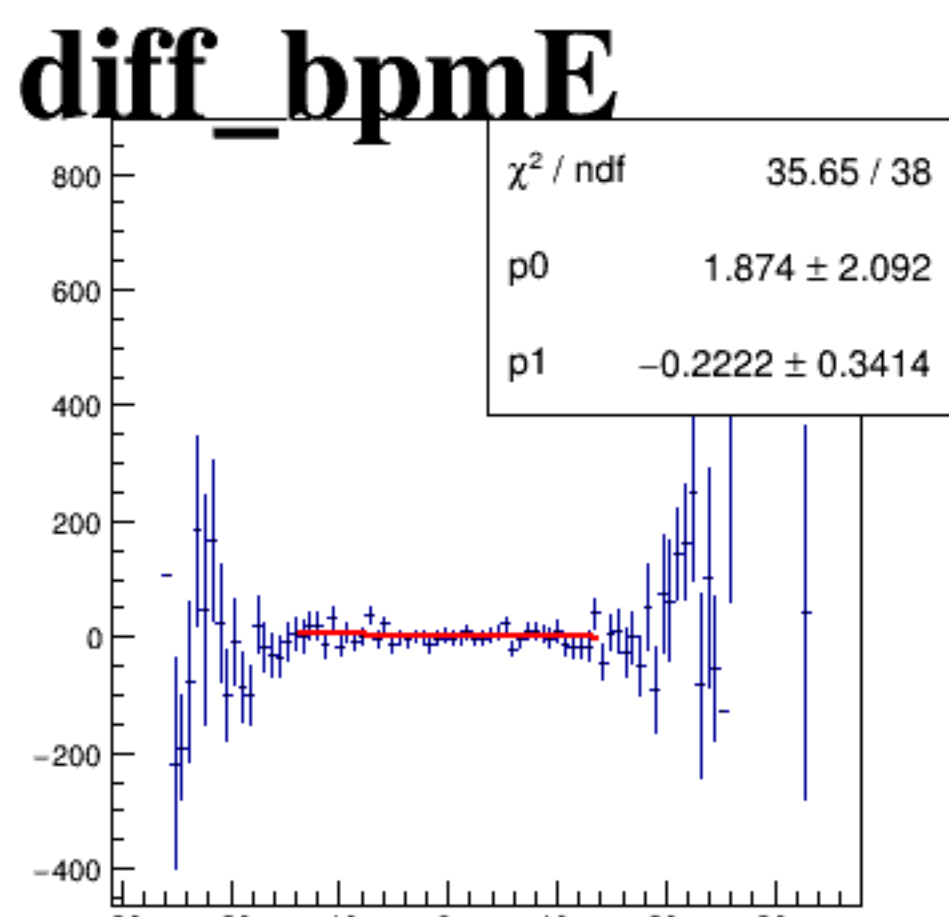
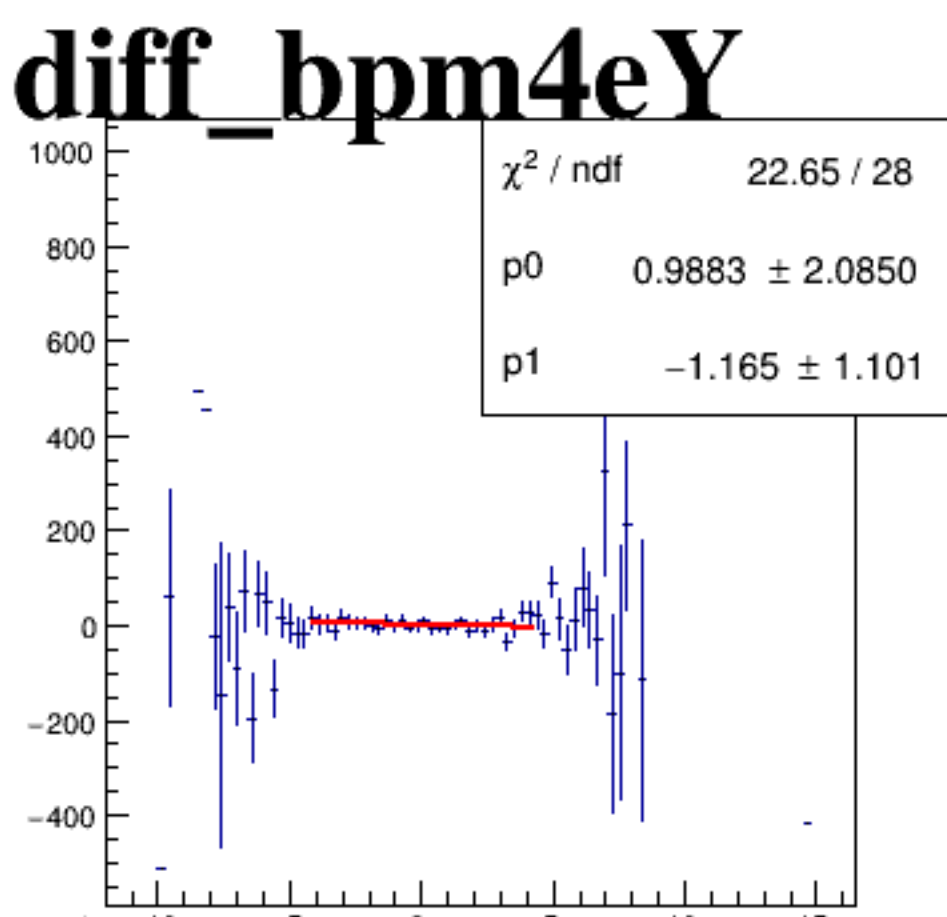
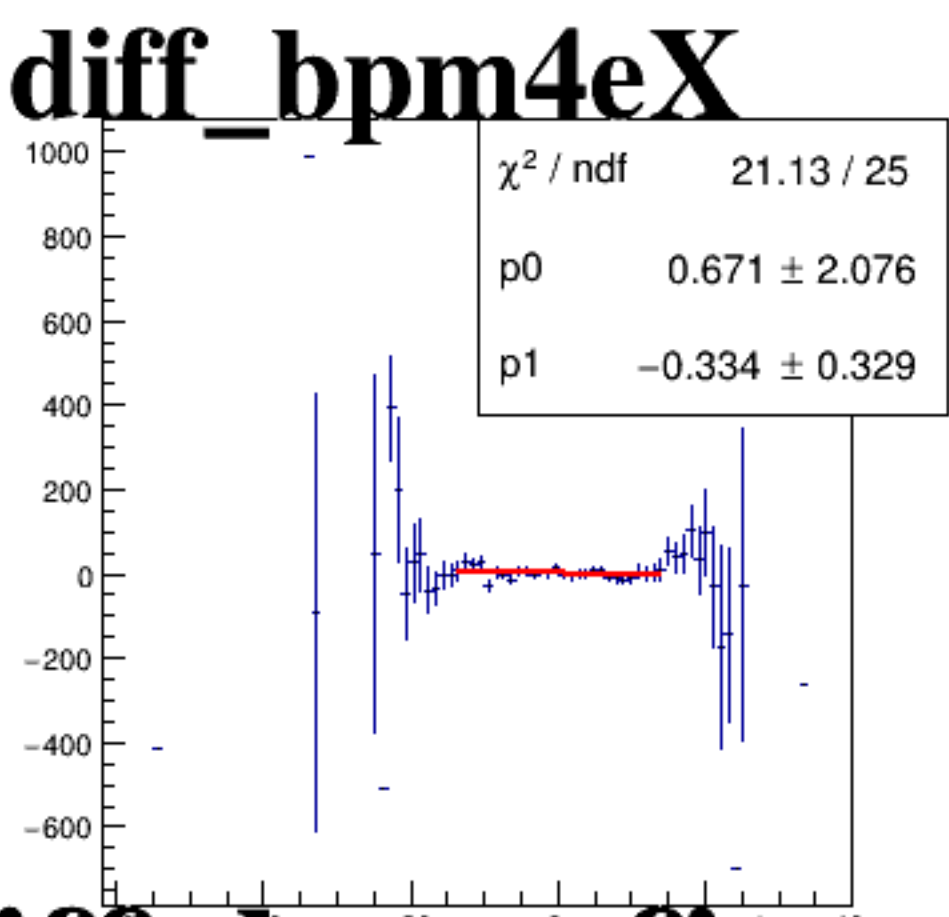
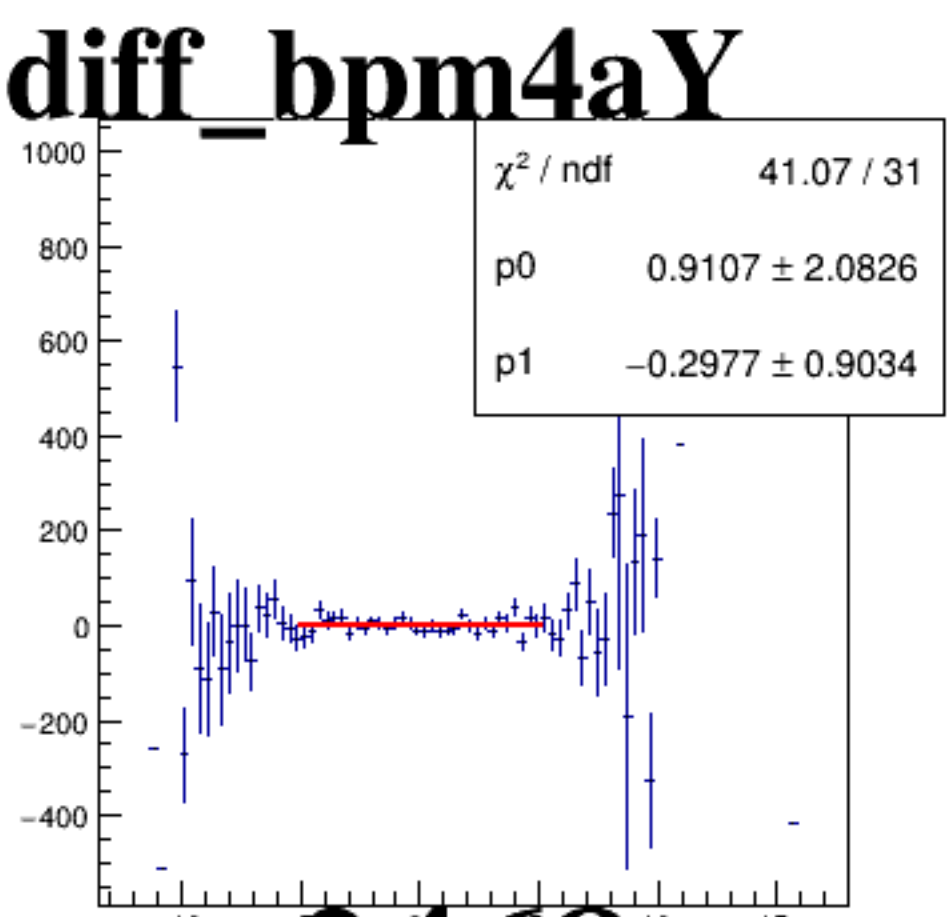
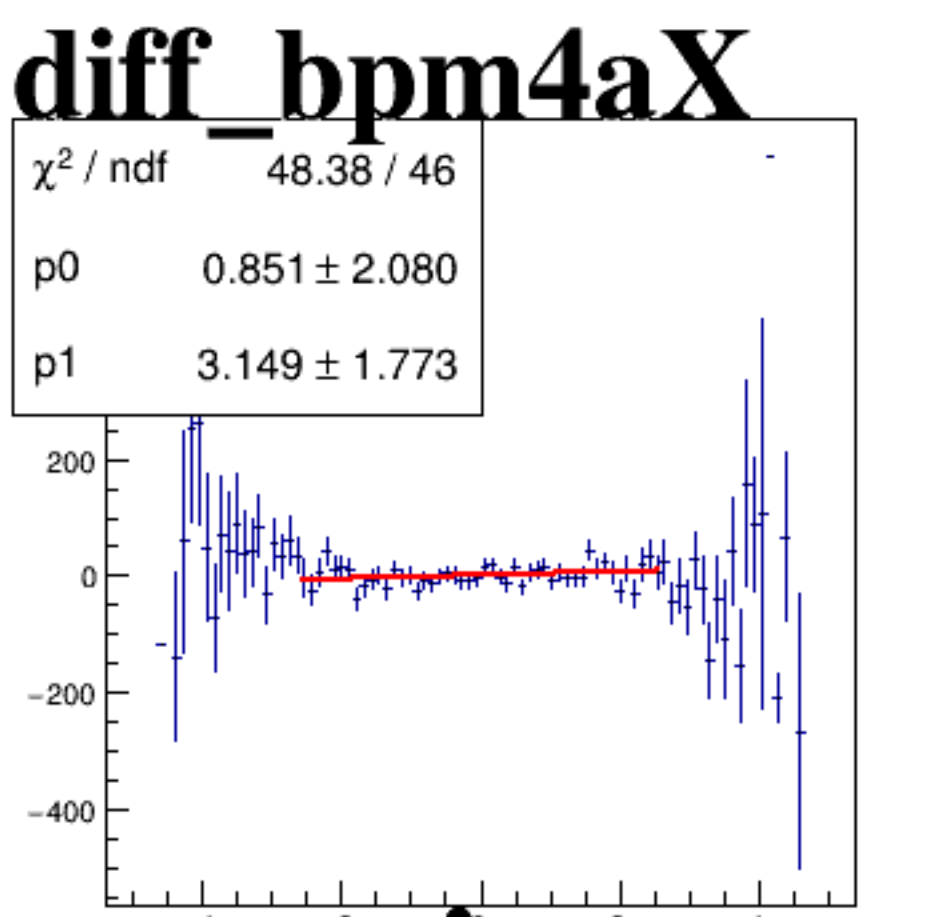
reg_asym_sam4



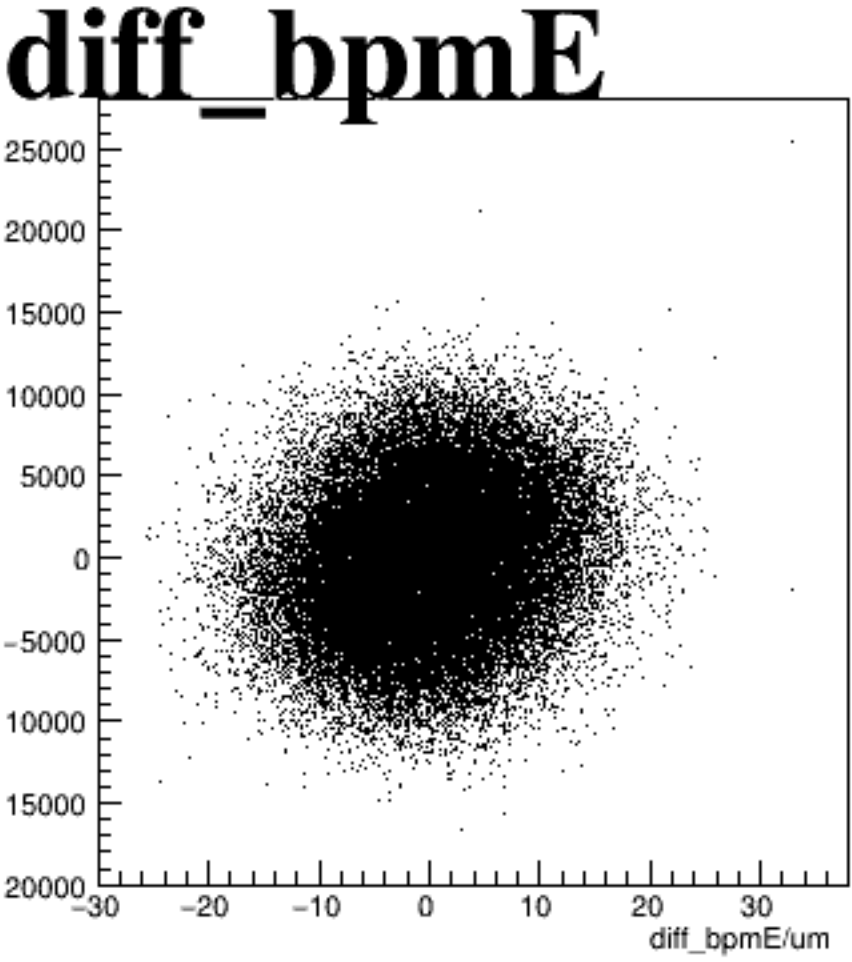
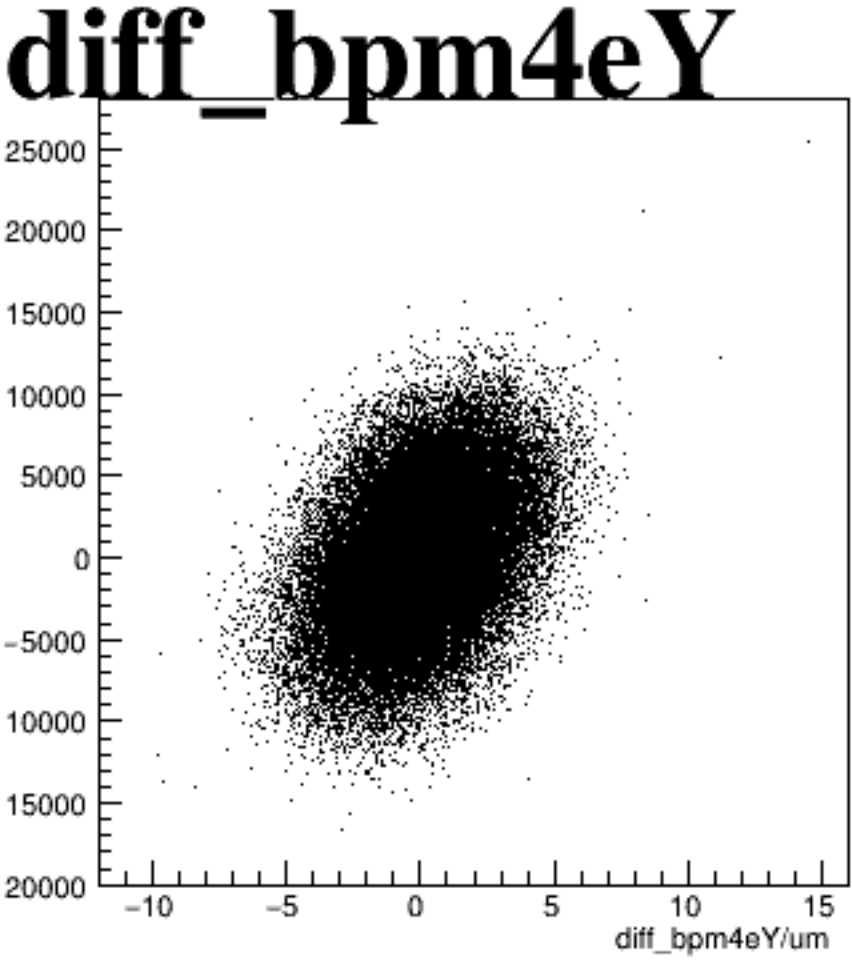
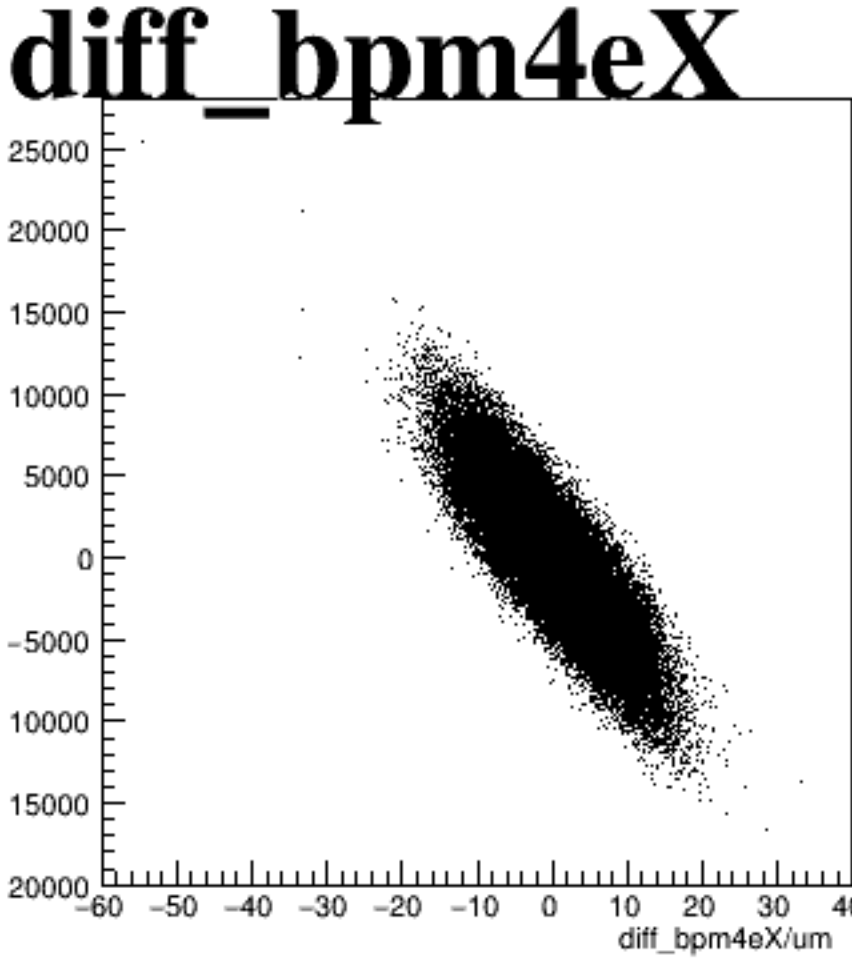
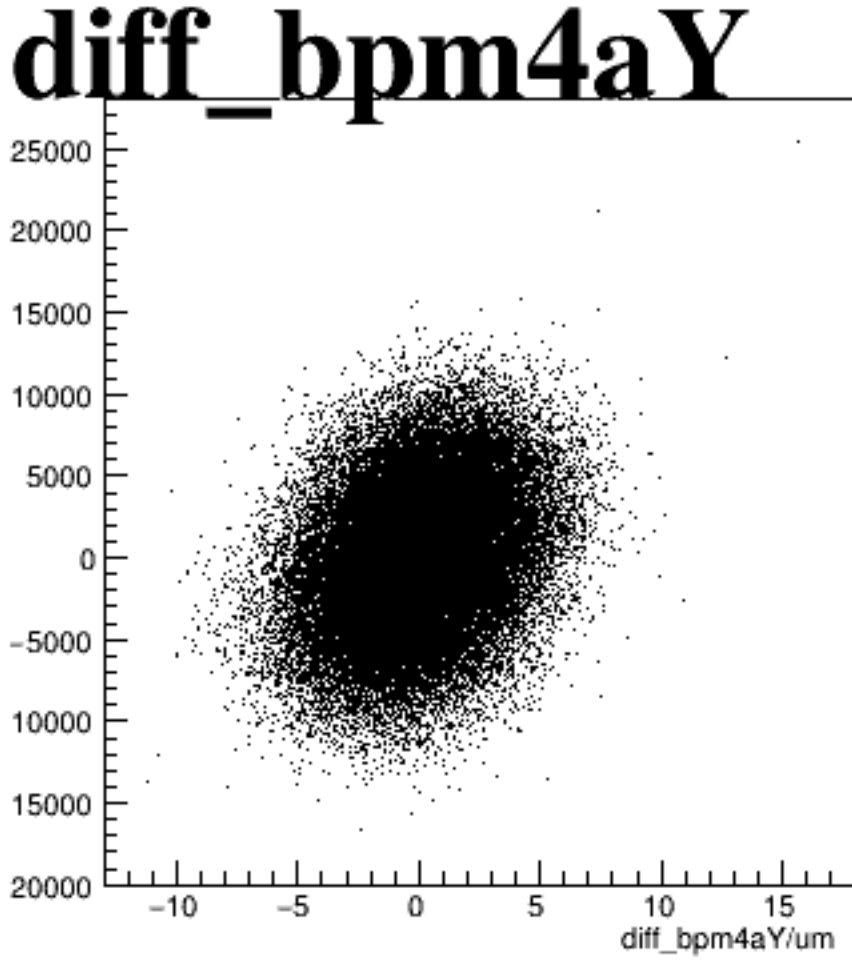
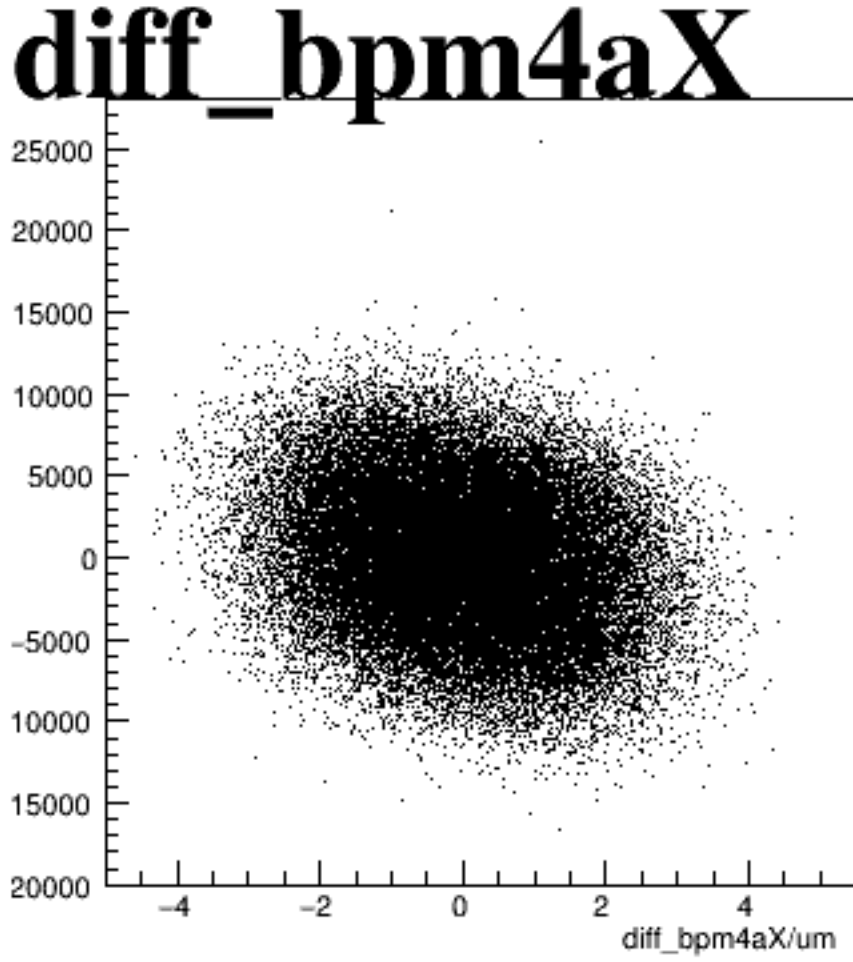
reg_asym_sam6



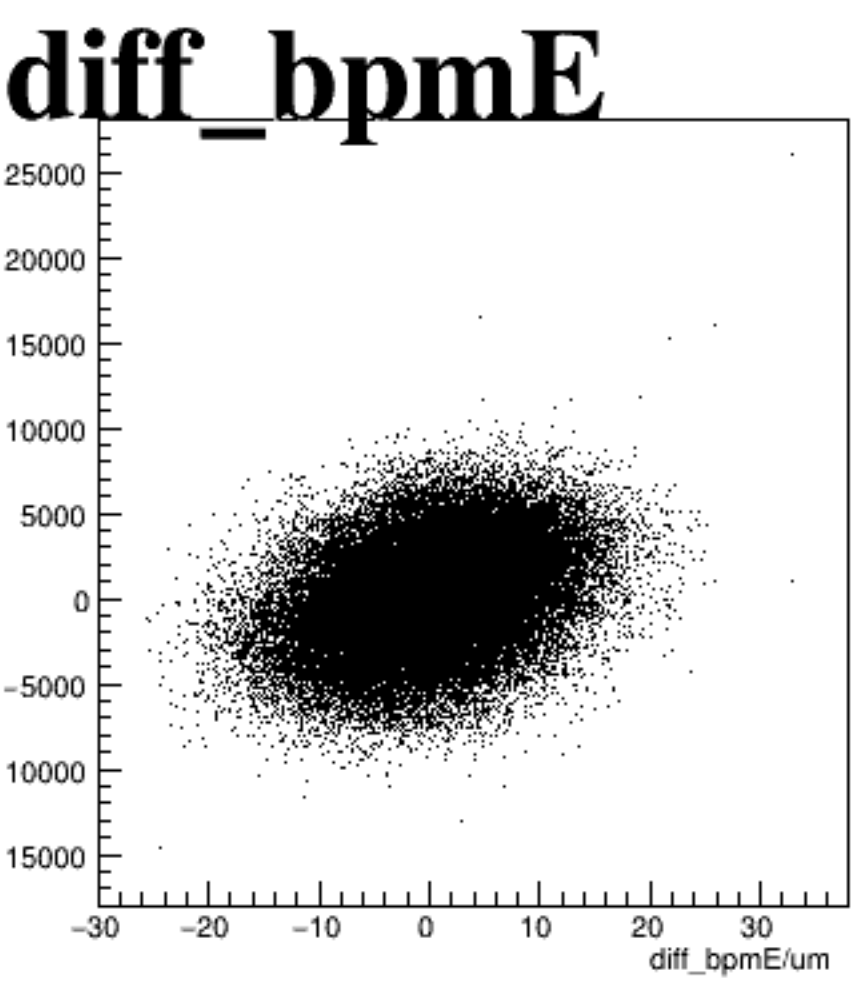
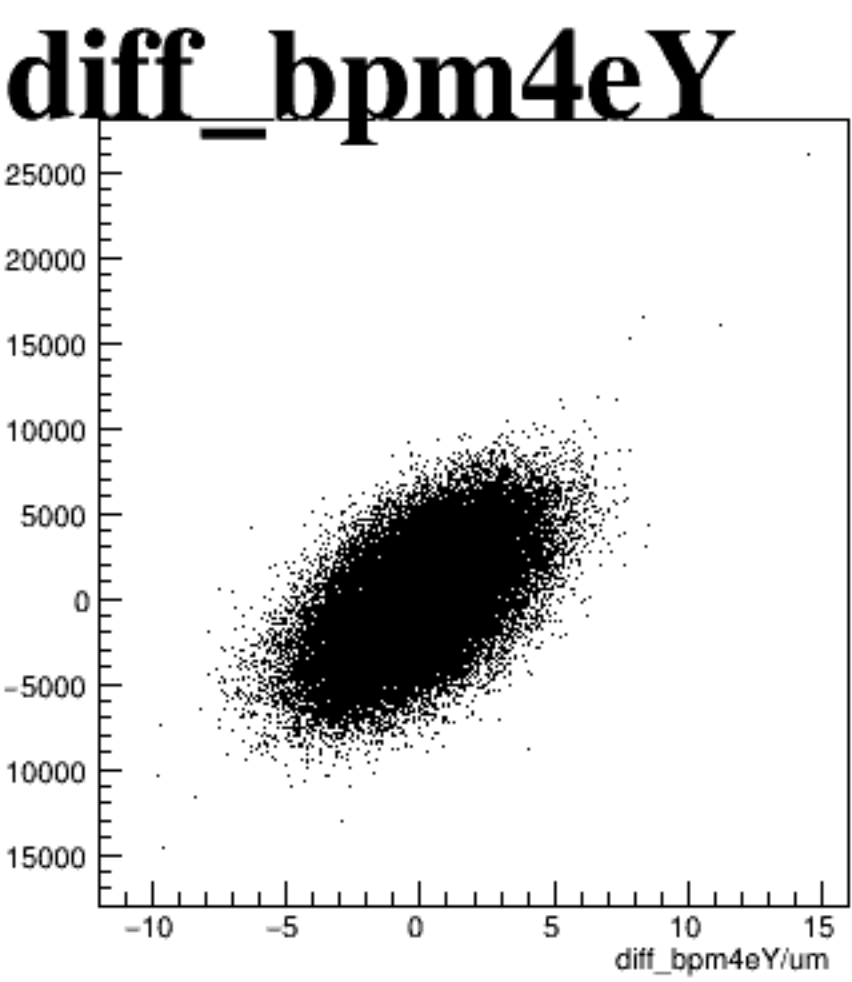
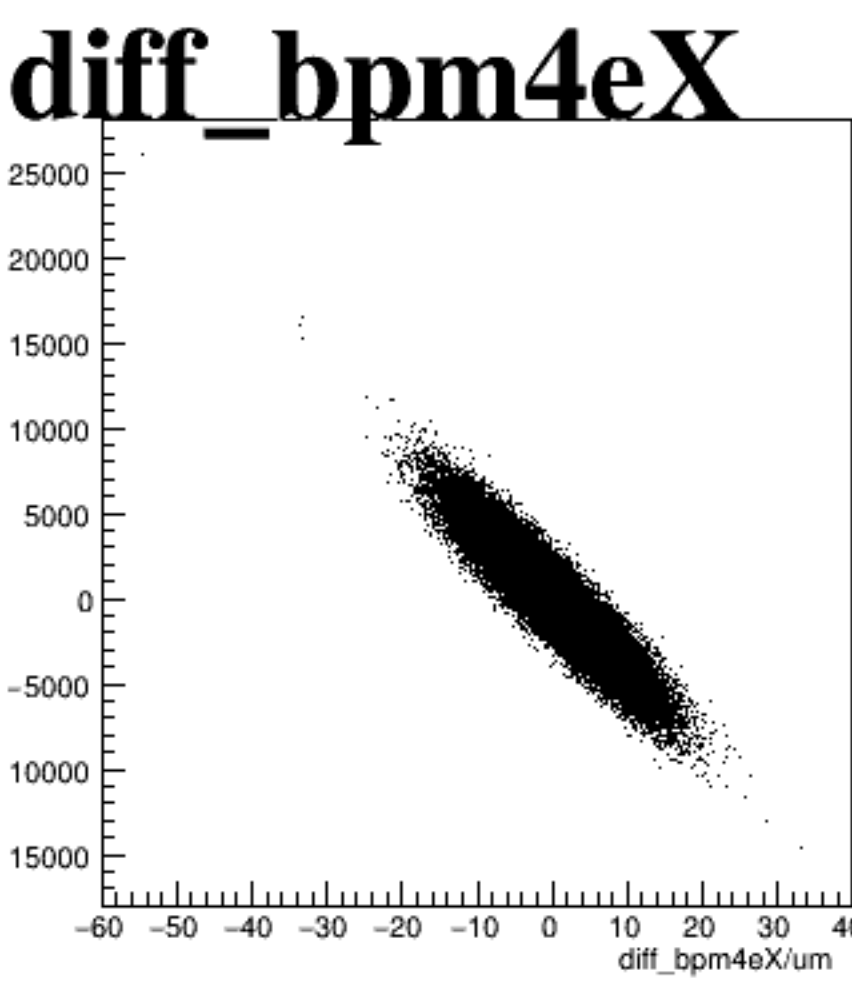
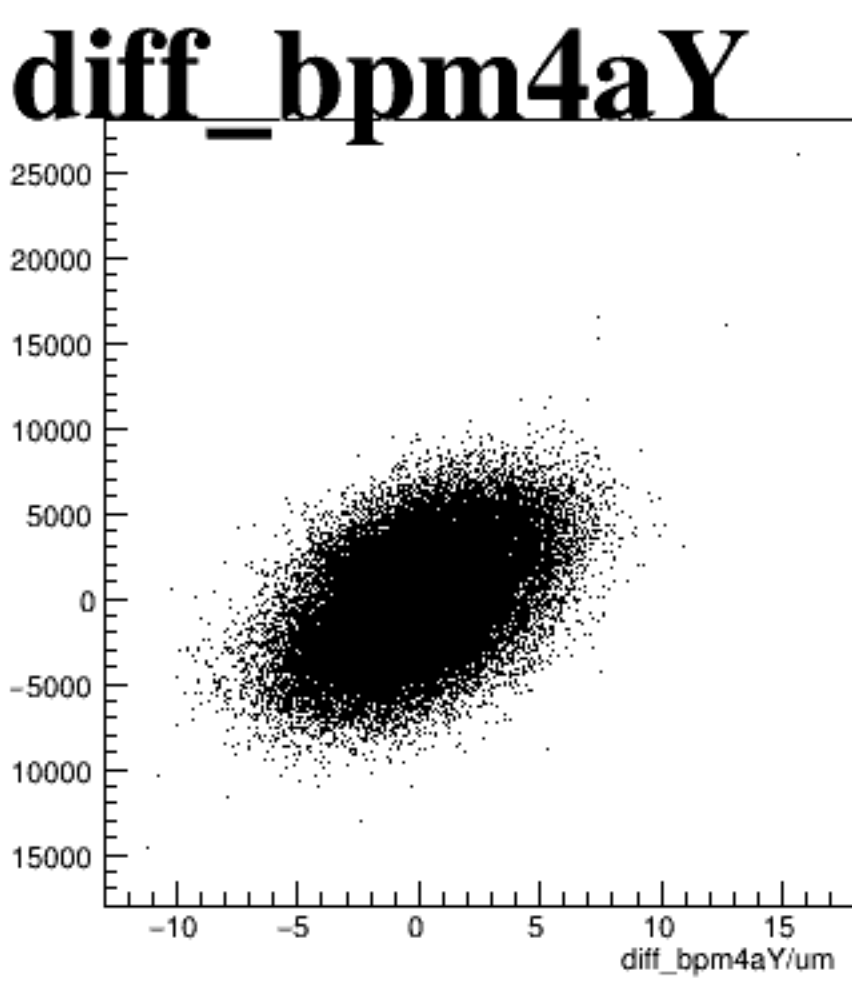
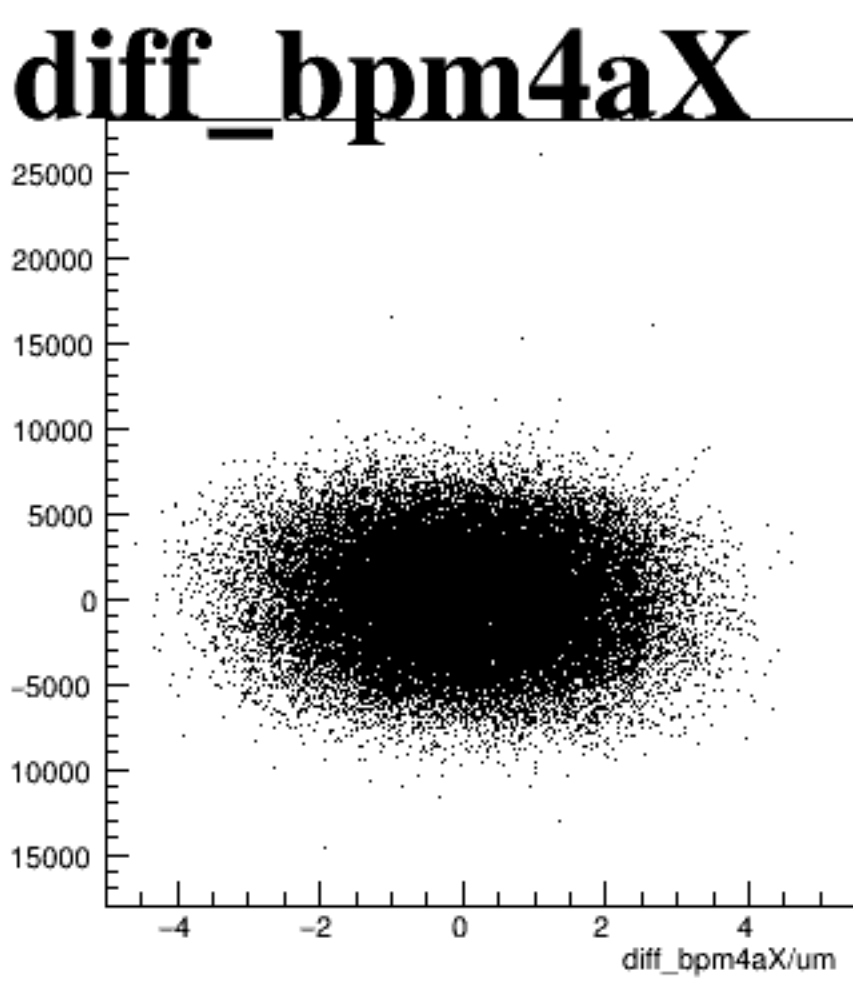
reg_asym_sam8



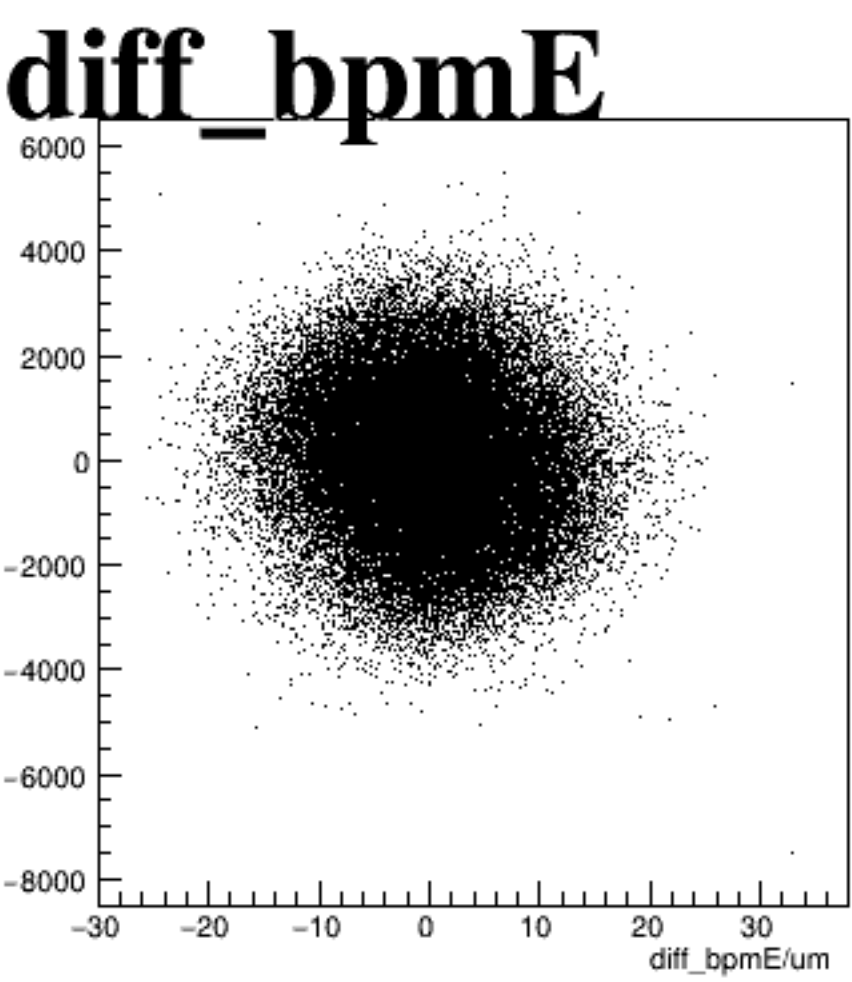
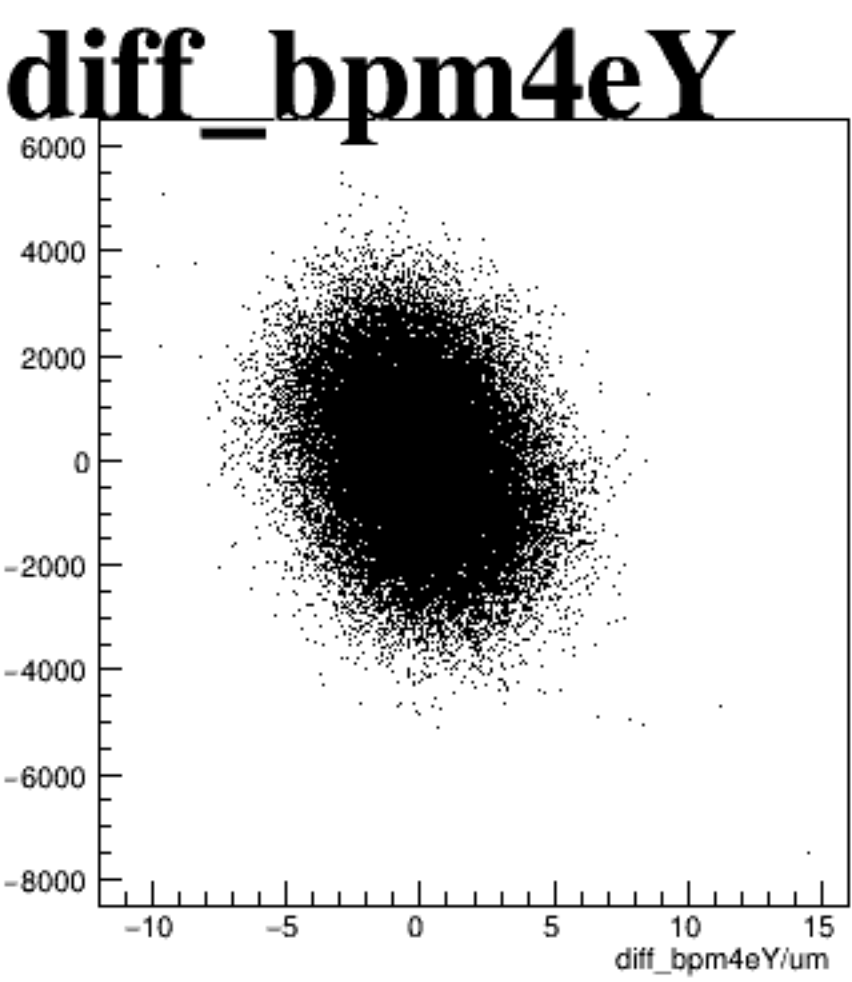
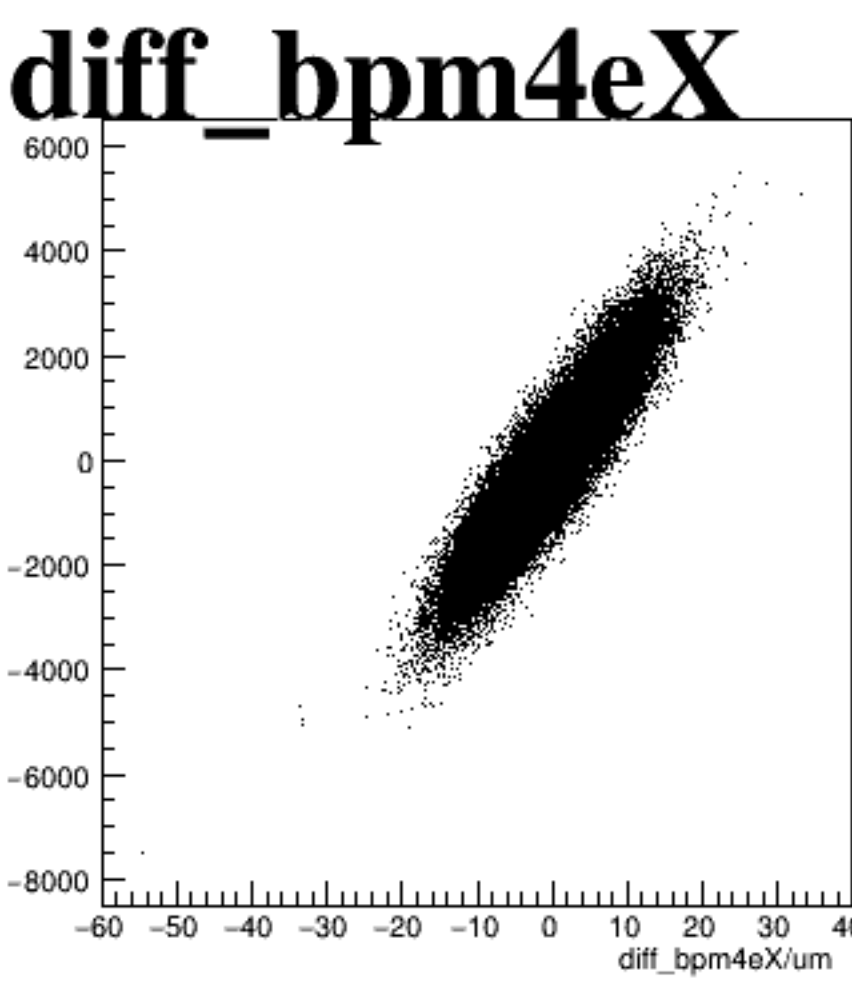
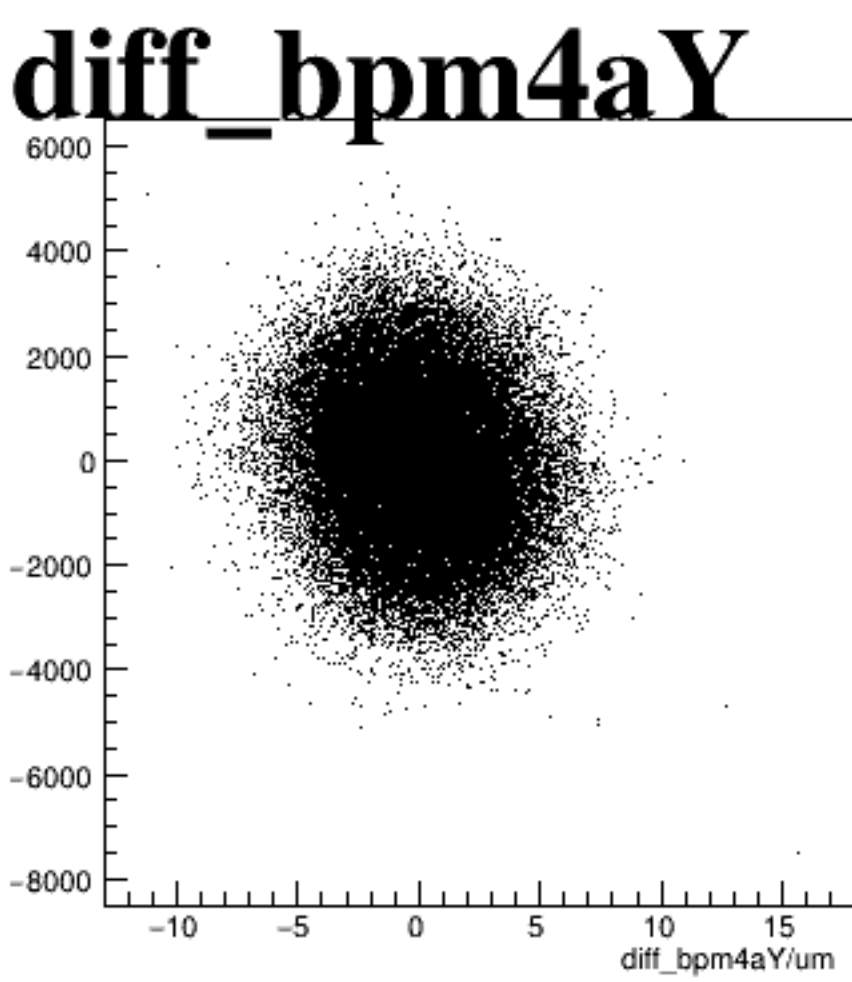
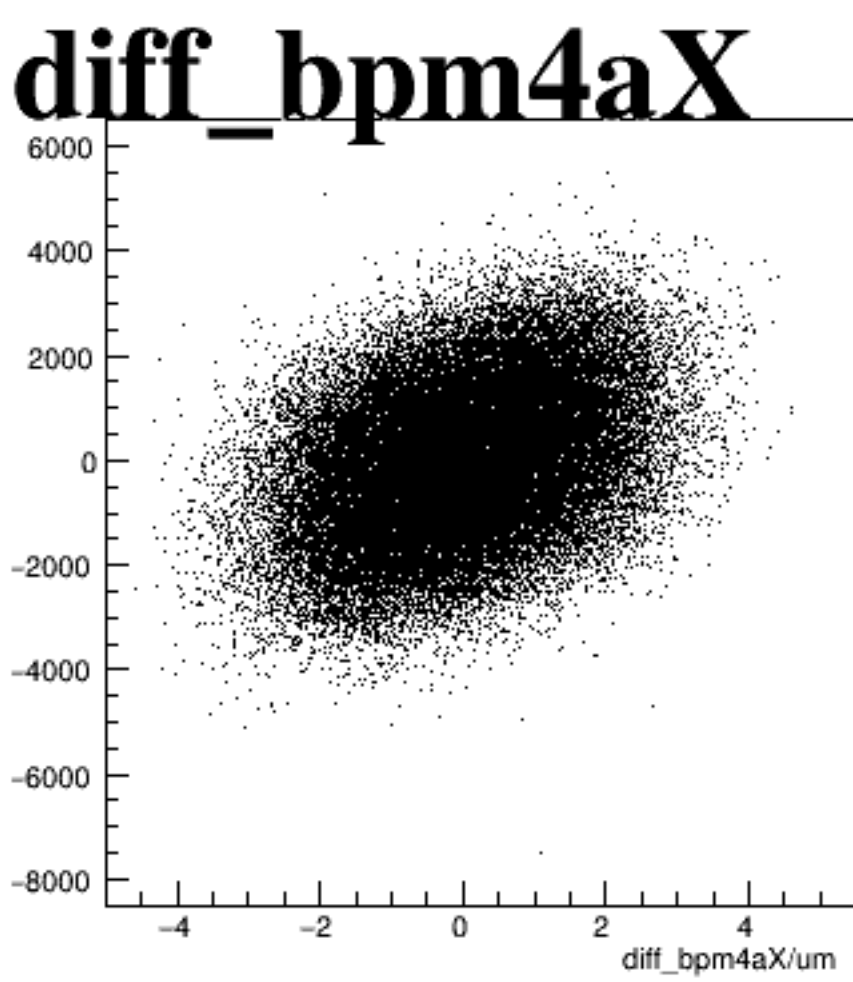
asym_sam2



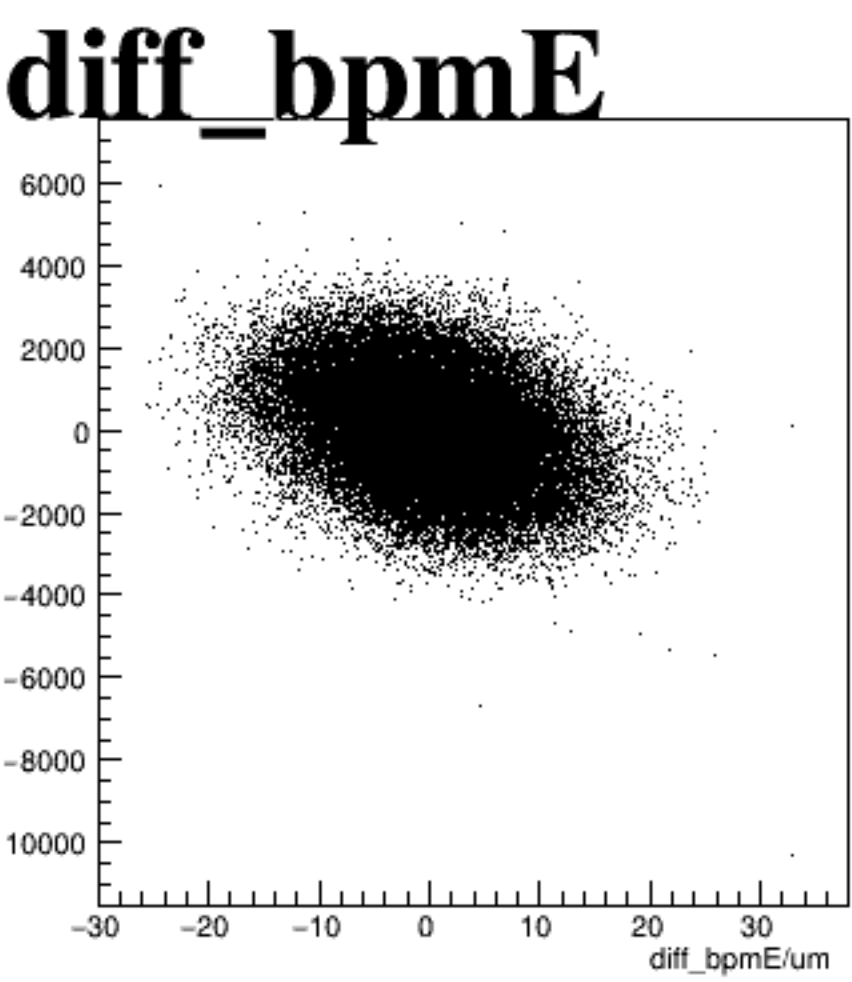
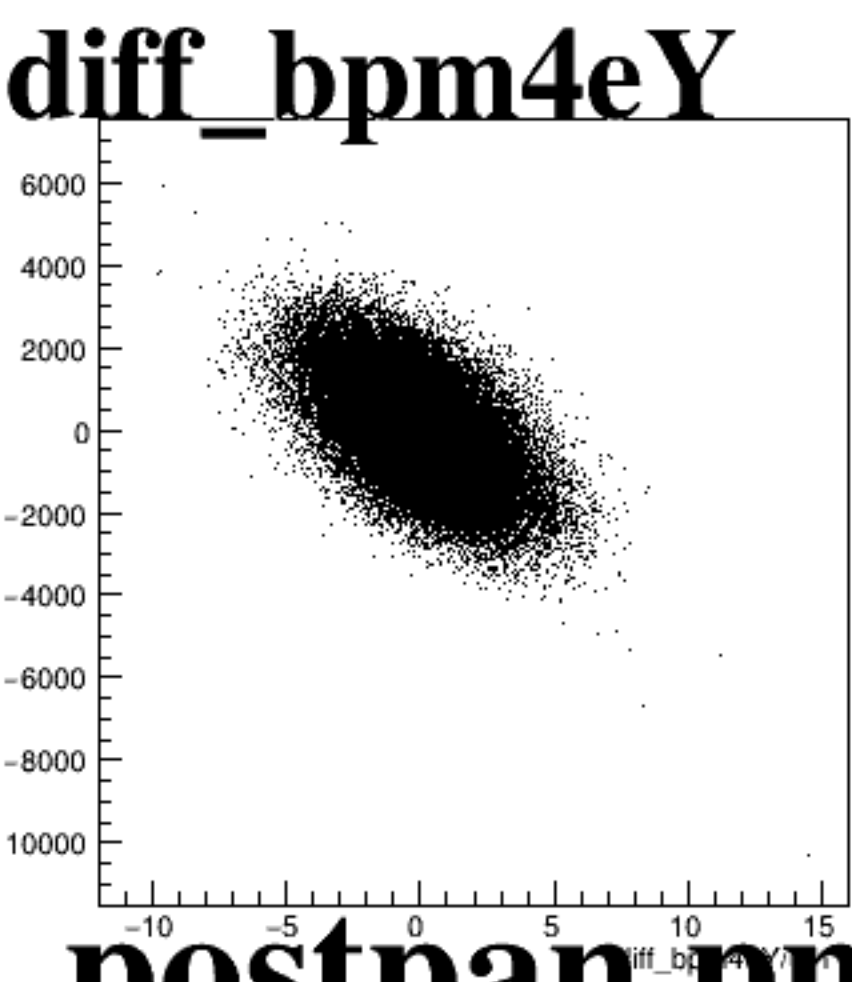
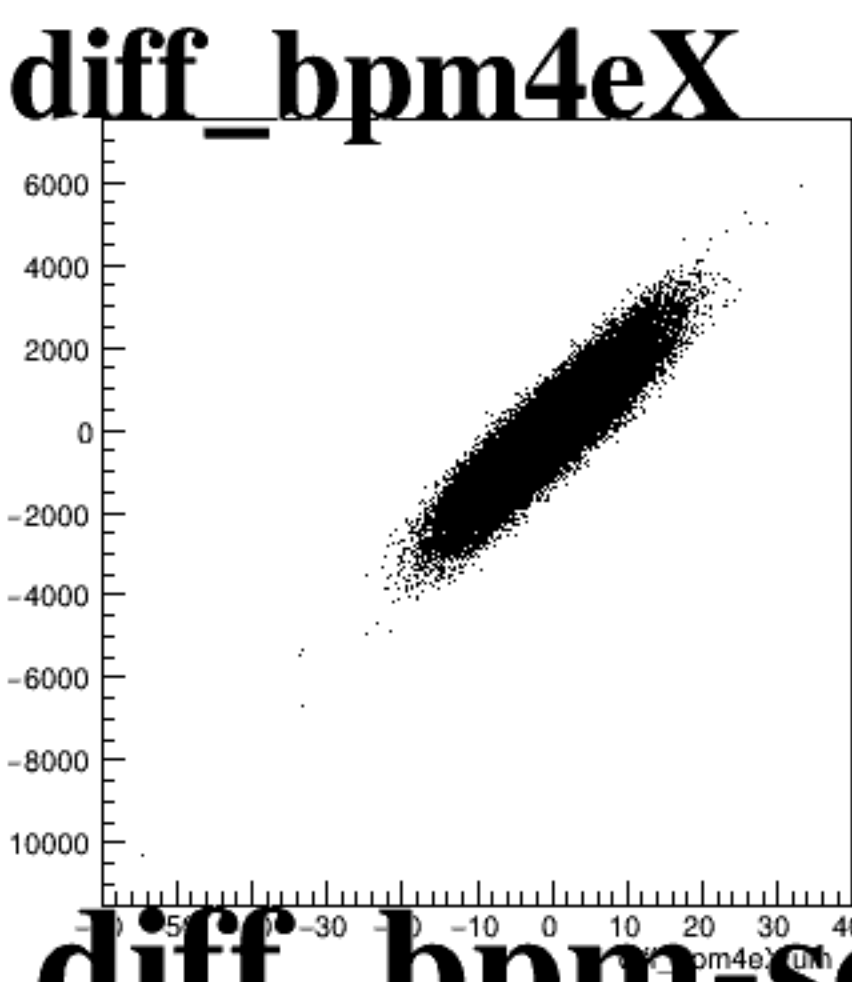
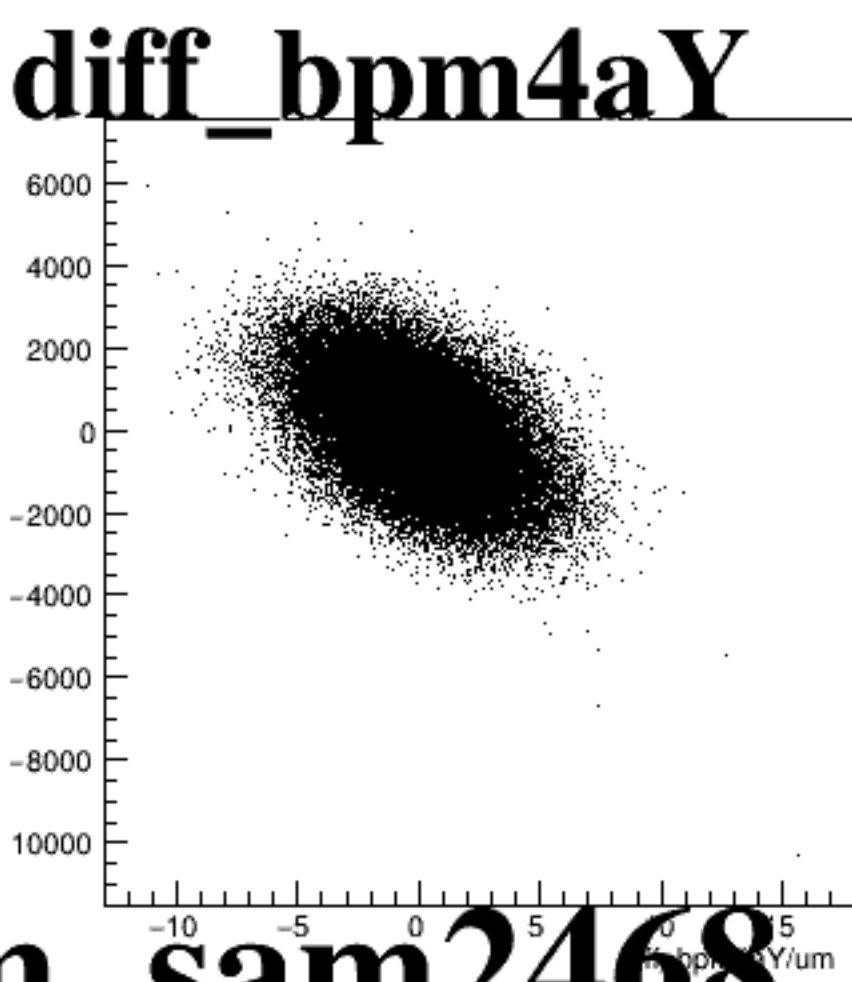
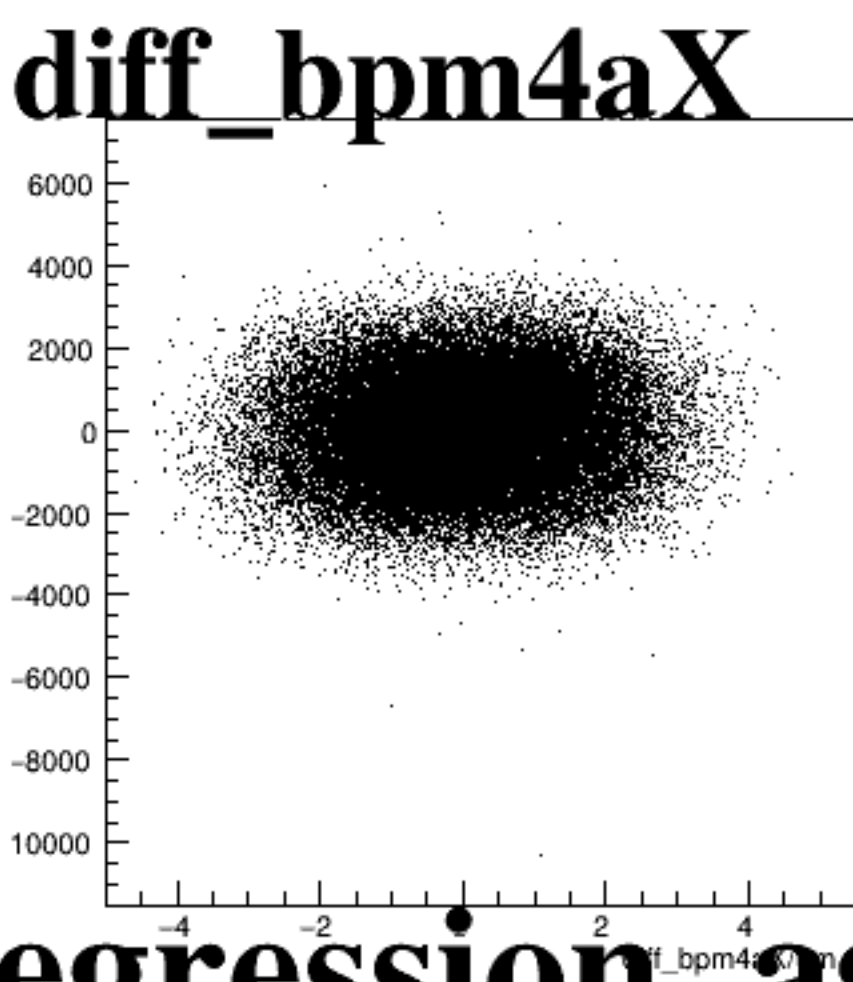
asym_sam4



asym_sam6



asym_sam8



The figure consists of five scatter plots arranged horizontally, each showing the difference in BPM (diff_bpm) for a specific beam parameter. The y-axis for all plots ranges from -8000 to 8000. The x-axis for each plot represents the difference in BPM for that parameter, with labels like 'diff_bpm4aX/um' or 'diff_bpmE/um'.

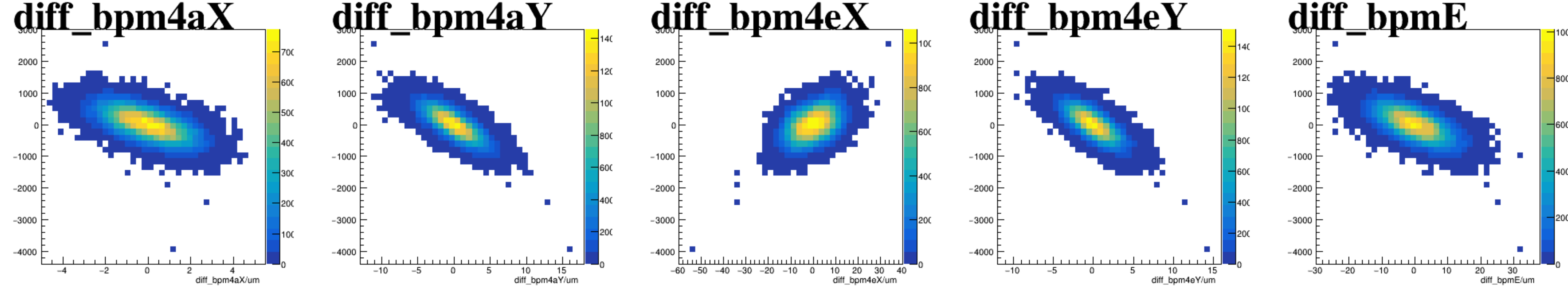
- diff_bpm4aX**: The x-axis ranges from -4 to 4. The distribution is centered around 0.
- diff_bpm4aY**: The x-axis ranges from -10 to 15. The distribution is centered around 0.
- diff_bpm4eX**: The x-axis ranges from -60 to 40. The distribution is centered around 0.
- diff_bpm4eY**: The x-axis ranges from -10 to 15. The distribution is centered around 0.
- diff_bpmE**: The x-axis ranges from -30 to 30. The distribution is centered around 0.

The figure consists of five scatter plots arranged horizontally, each showing the distribution of diffraction orders for a different BPM. The y-axis for all plots ranges from -2500 to 2000. The x-axis labels and ranges are as follows:

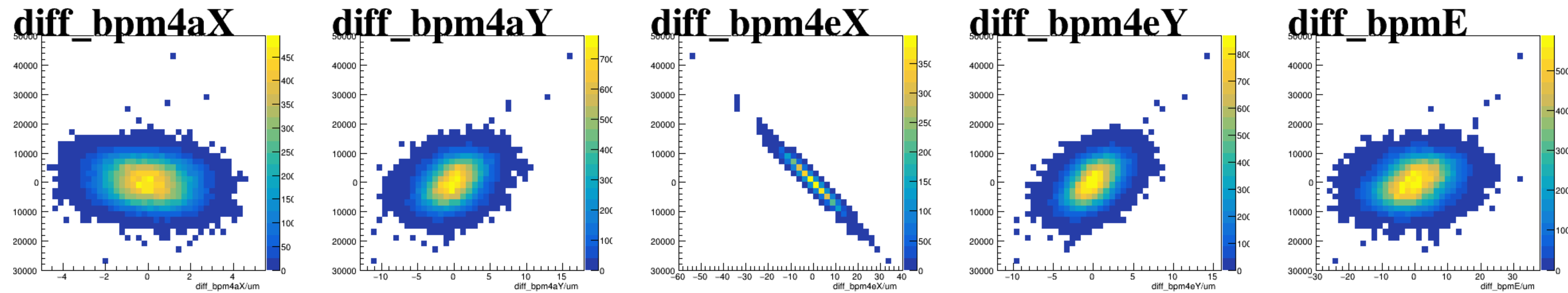
- diff_bpm4aX**: x-axis ranges from -4 to 4.
- diff_bpm4aY**: x-axis ranges from -10 to 15.
- diff_bpm4eX**: x-axis ranges from -60 to 40.
- diff_bpm4eY**: x-axis ranges from -10 to 15.
- diff_bpmE**: x-axis ranges from -30 to 30.

All plots show a dense, roughly circular cloud of points centered at (0,0), indicating a Gaussian-like distribution of the diffraction orders.

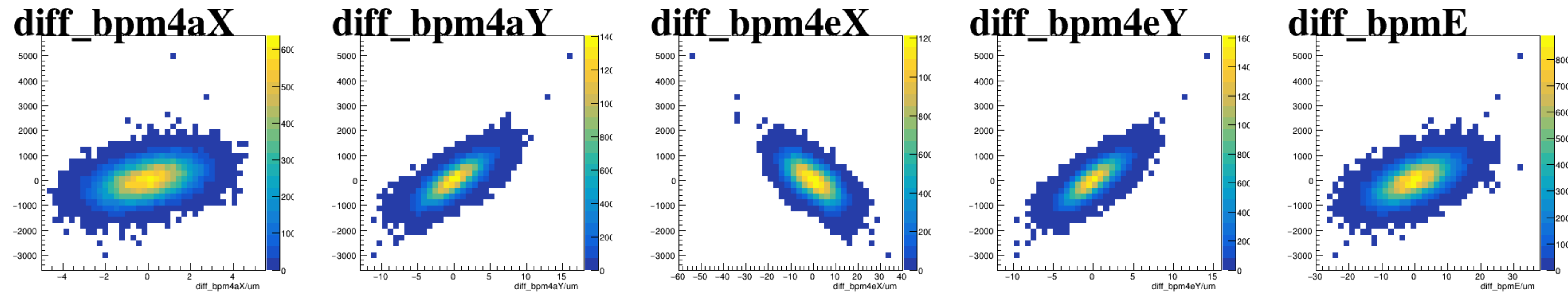
asym_sam1



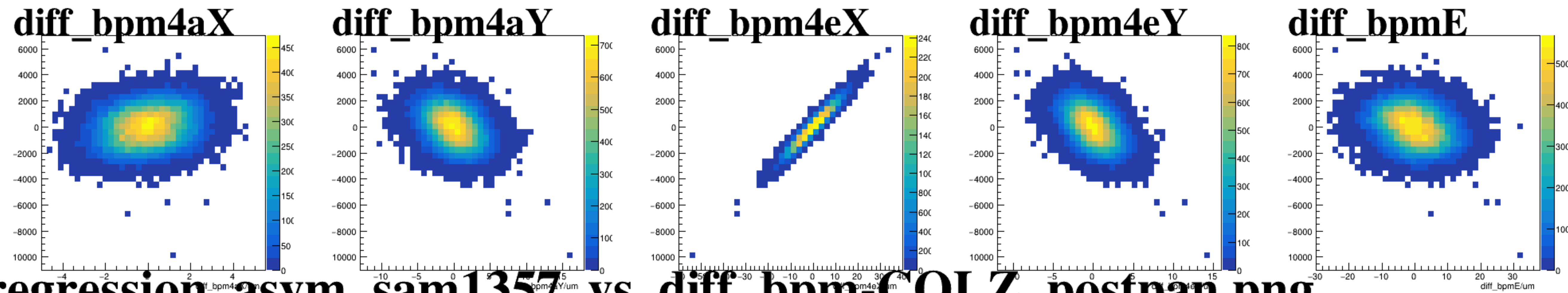
asym_sam3



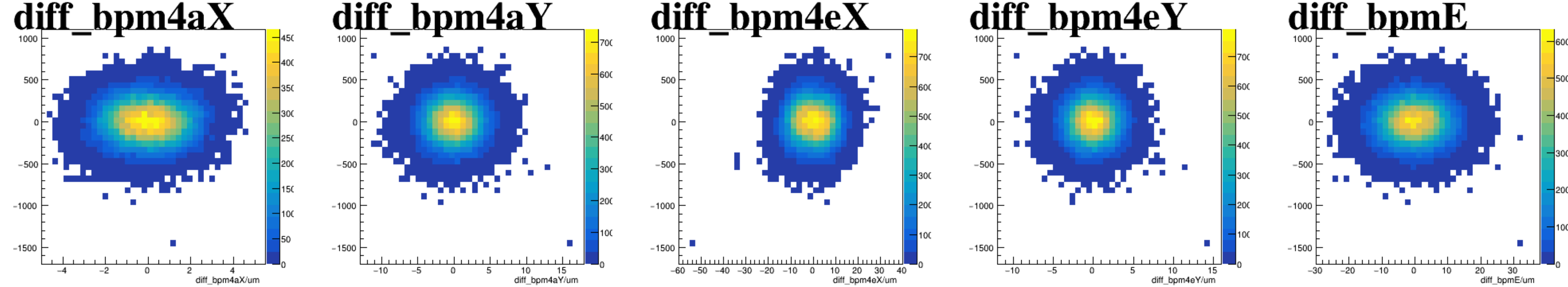
asym_sam5



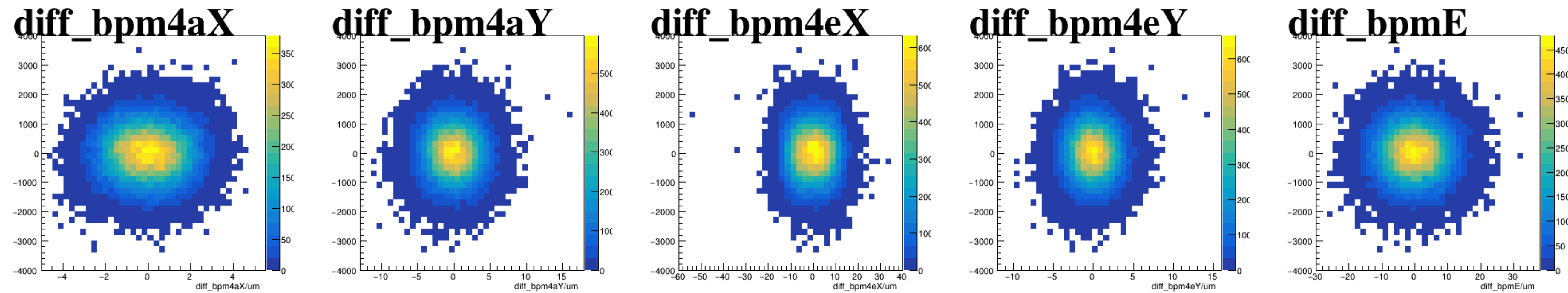
asym_sam7



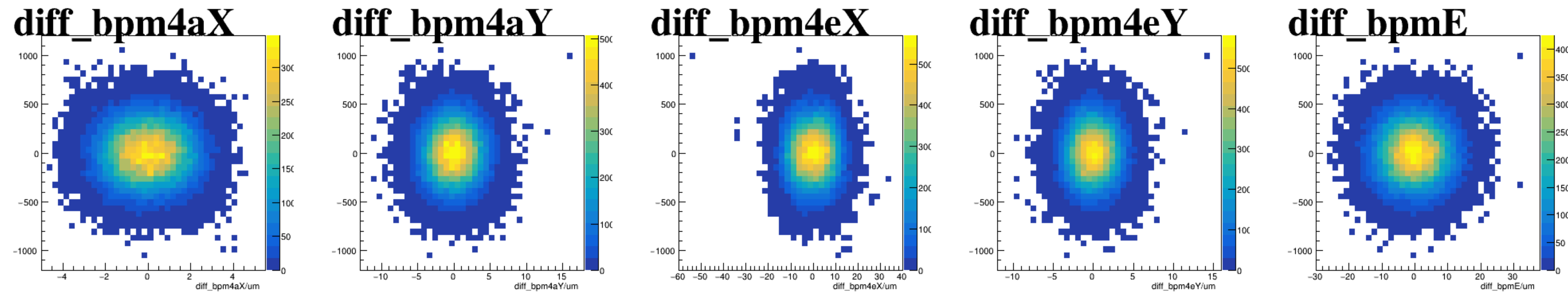
reg_asym_sam1



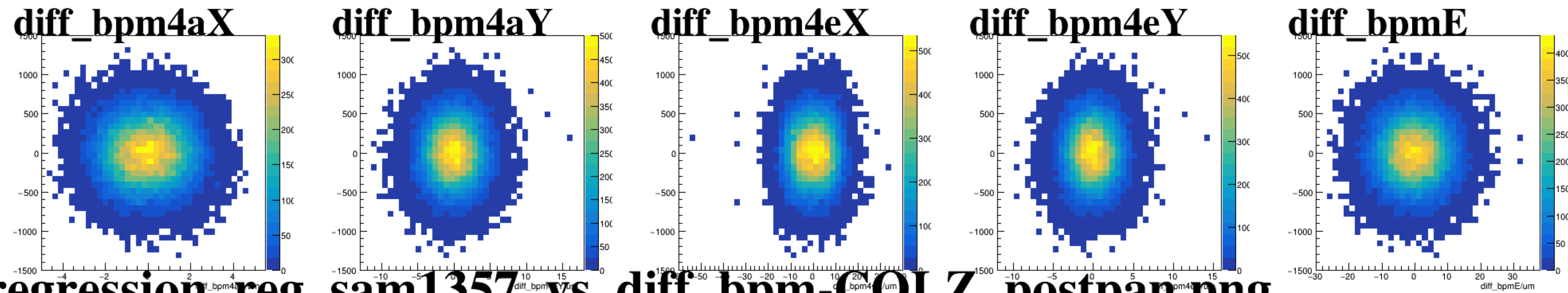
reg_asym_sam3



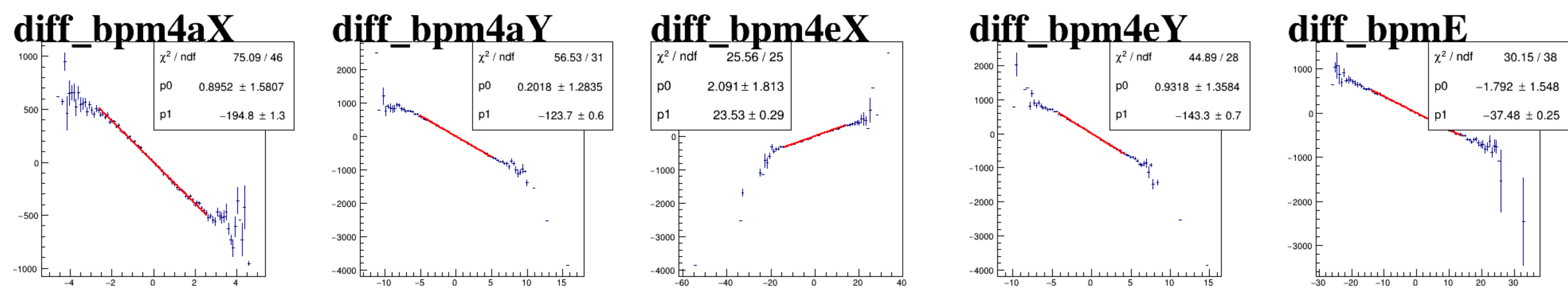
reg_asym_sam5



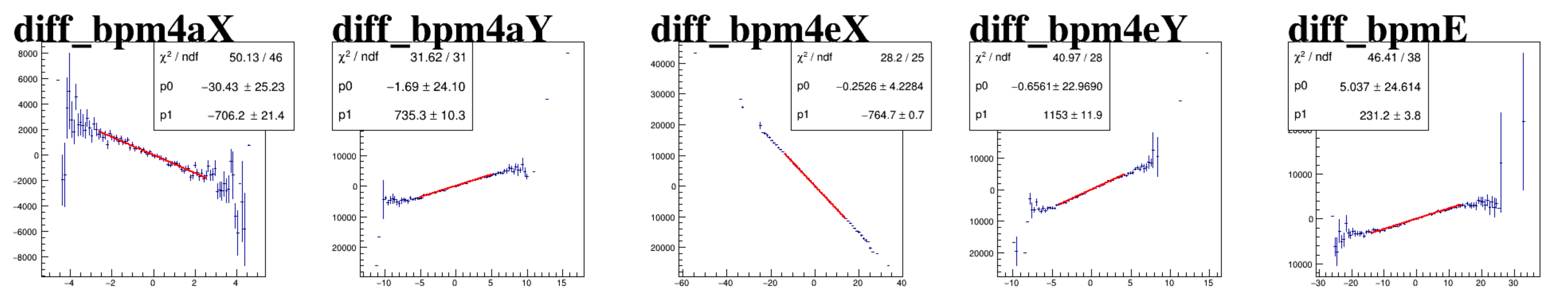
reg_asym_sam7



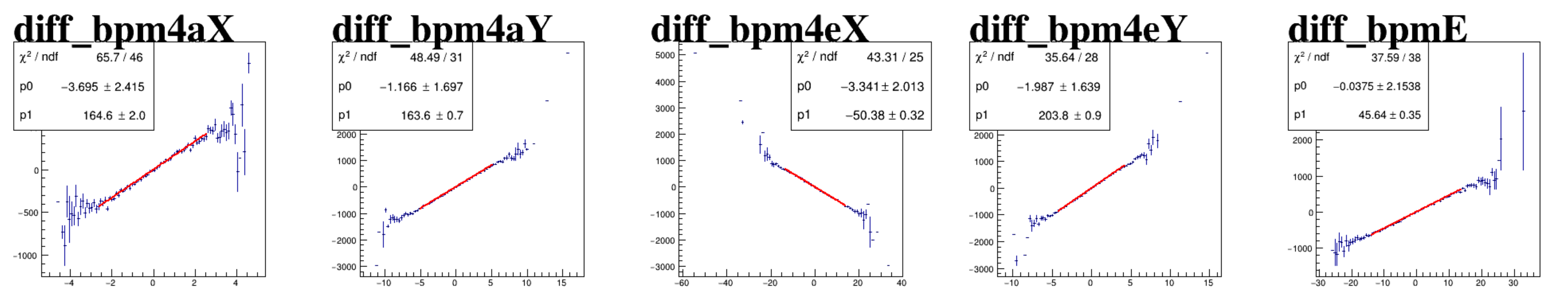
asym_sam1



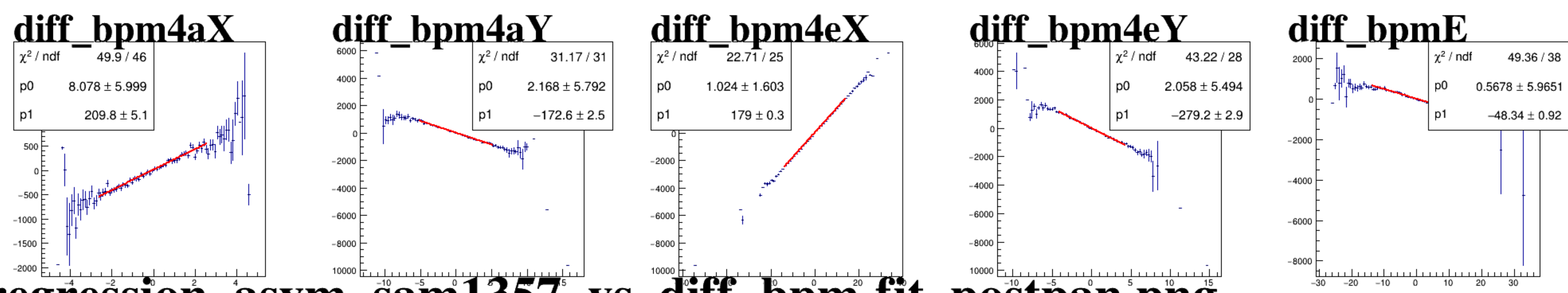
asym_sam3



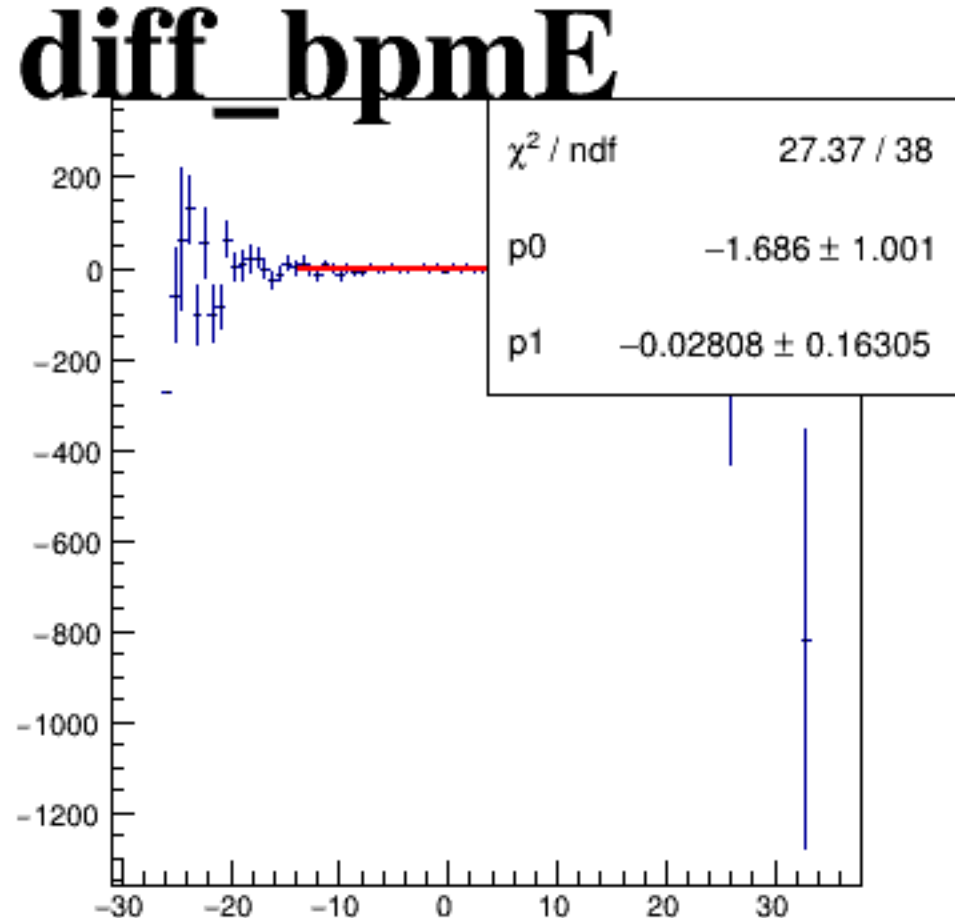
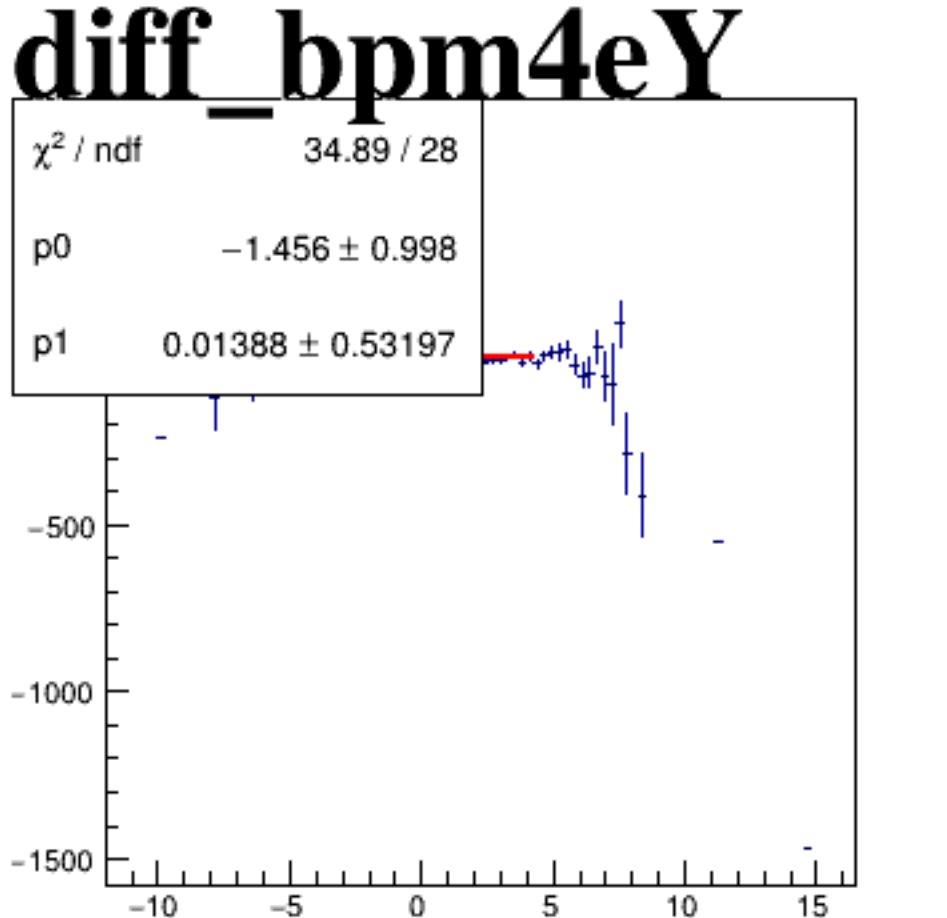
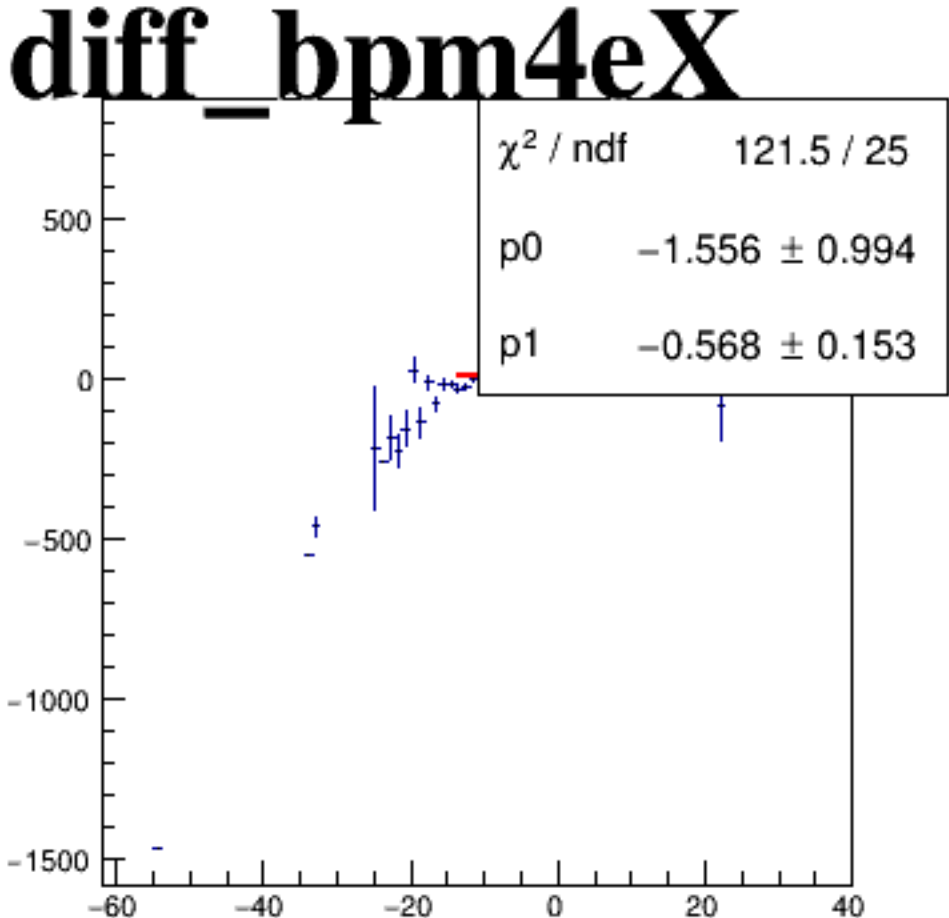
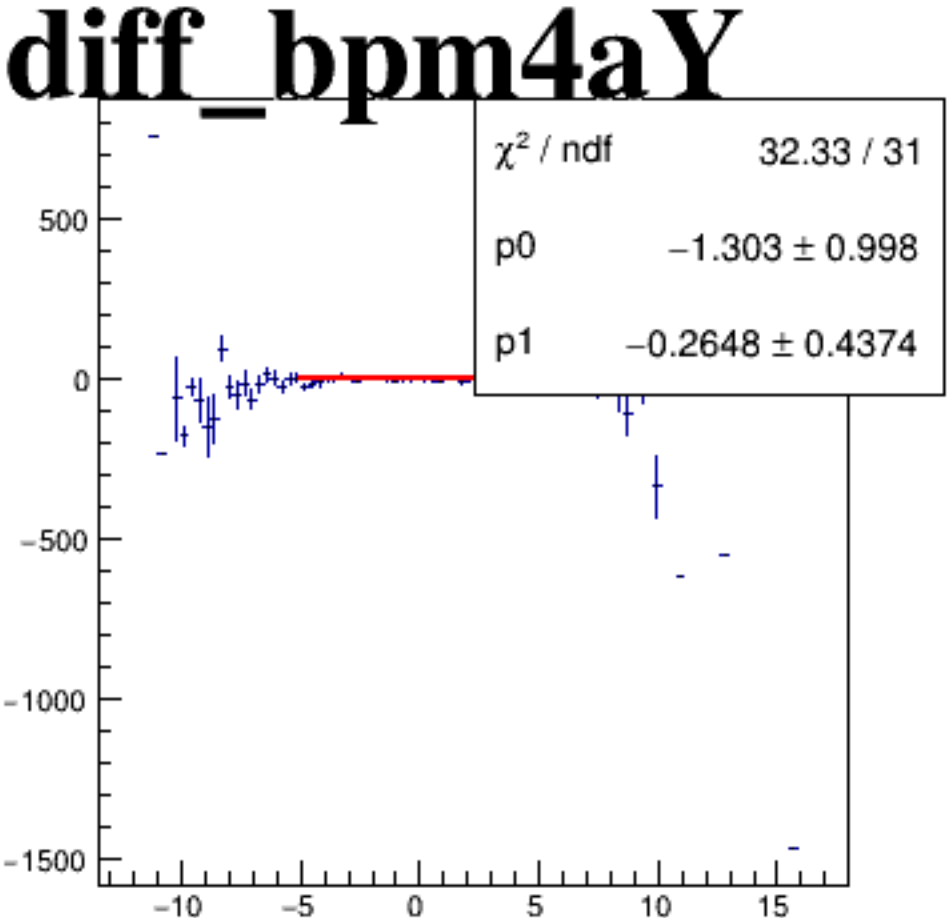
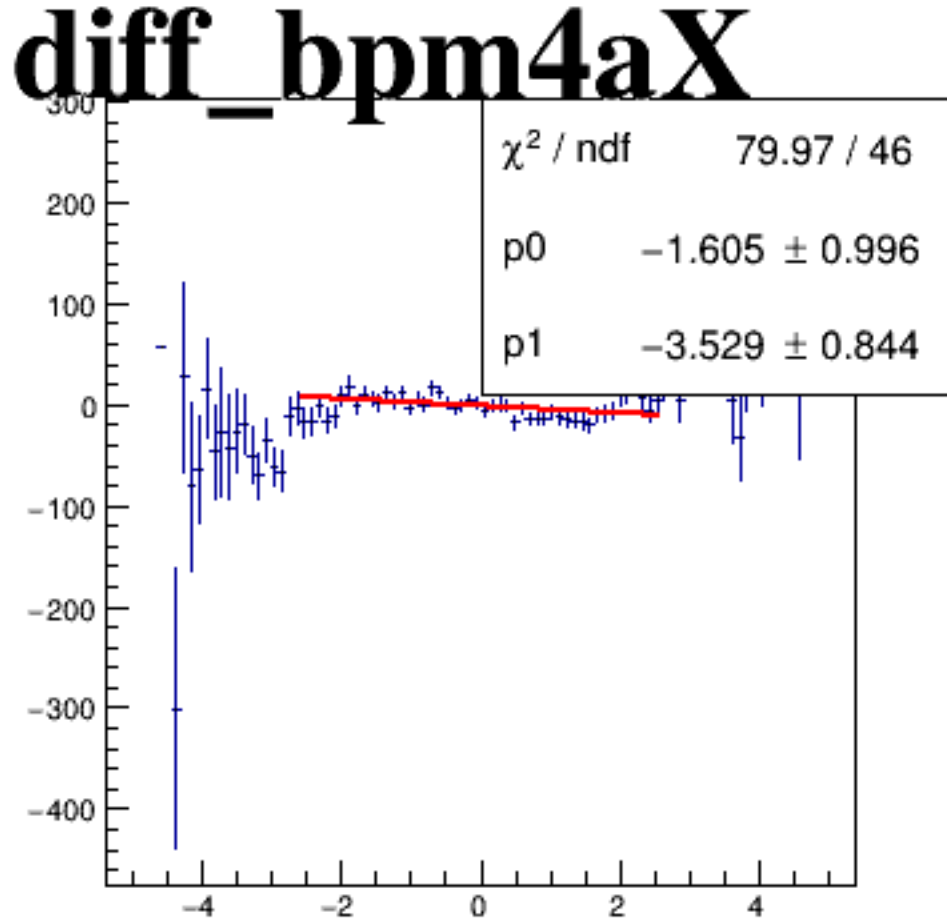
asym_sam5



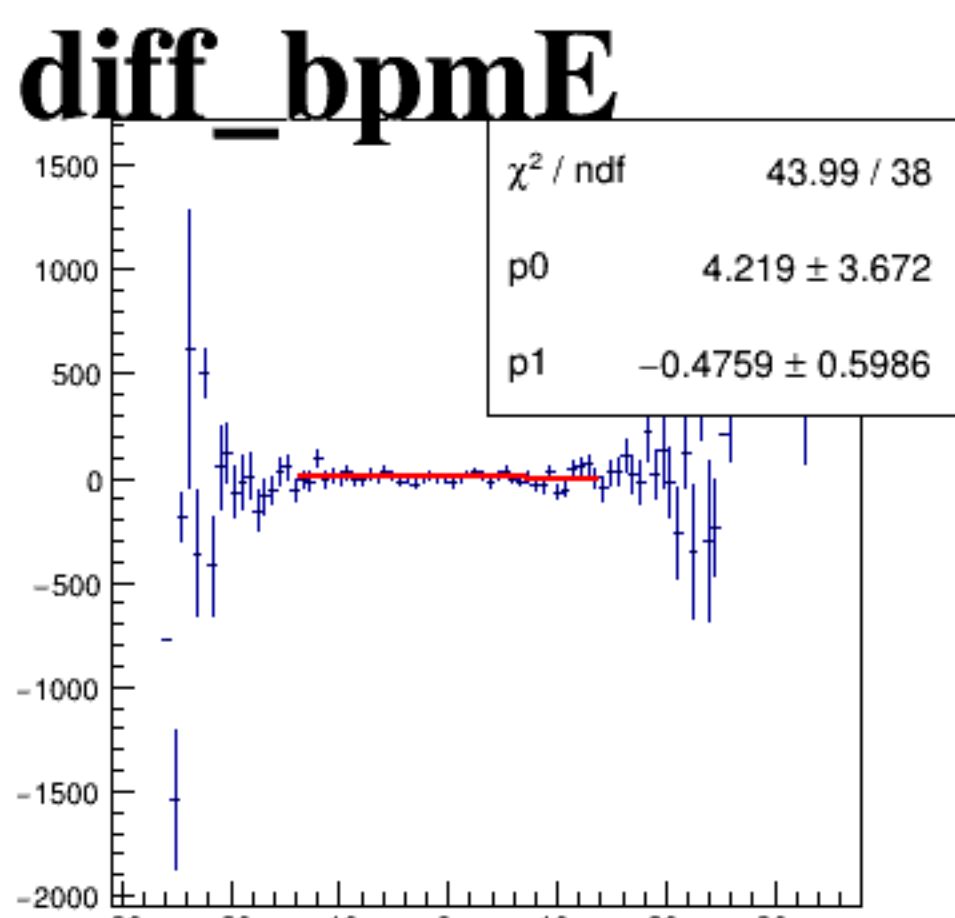
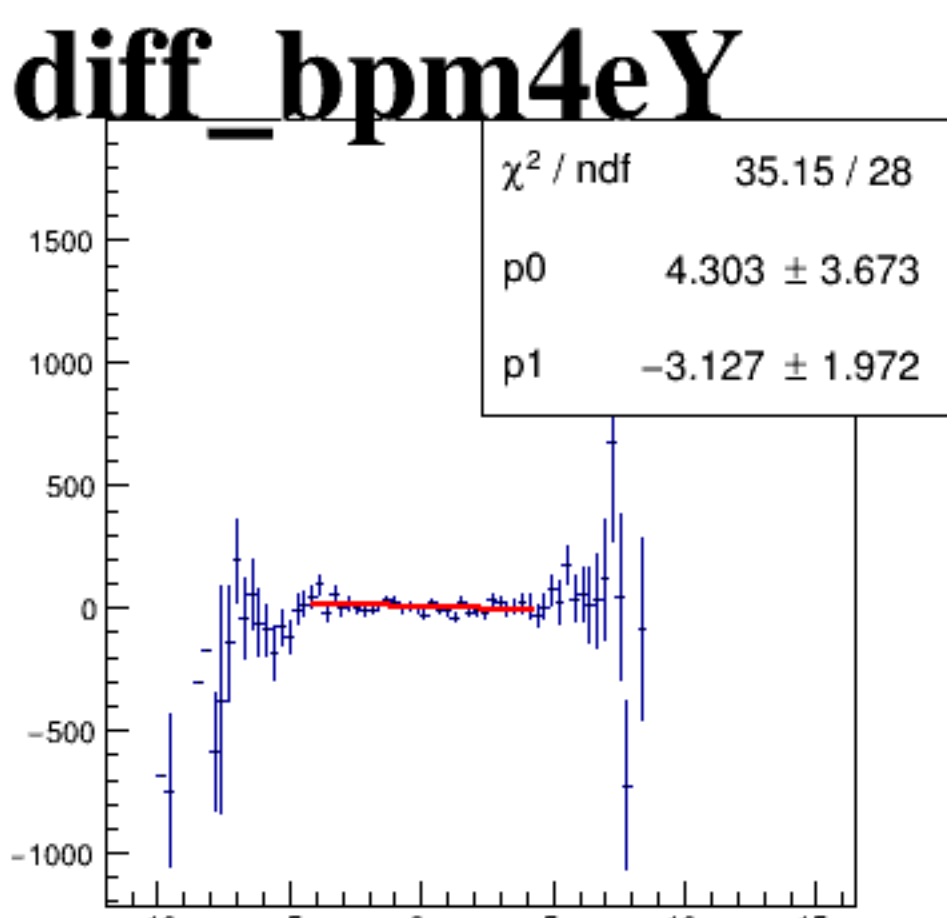
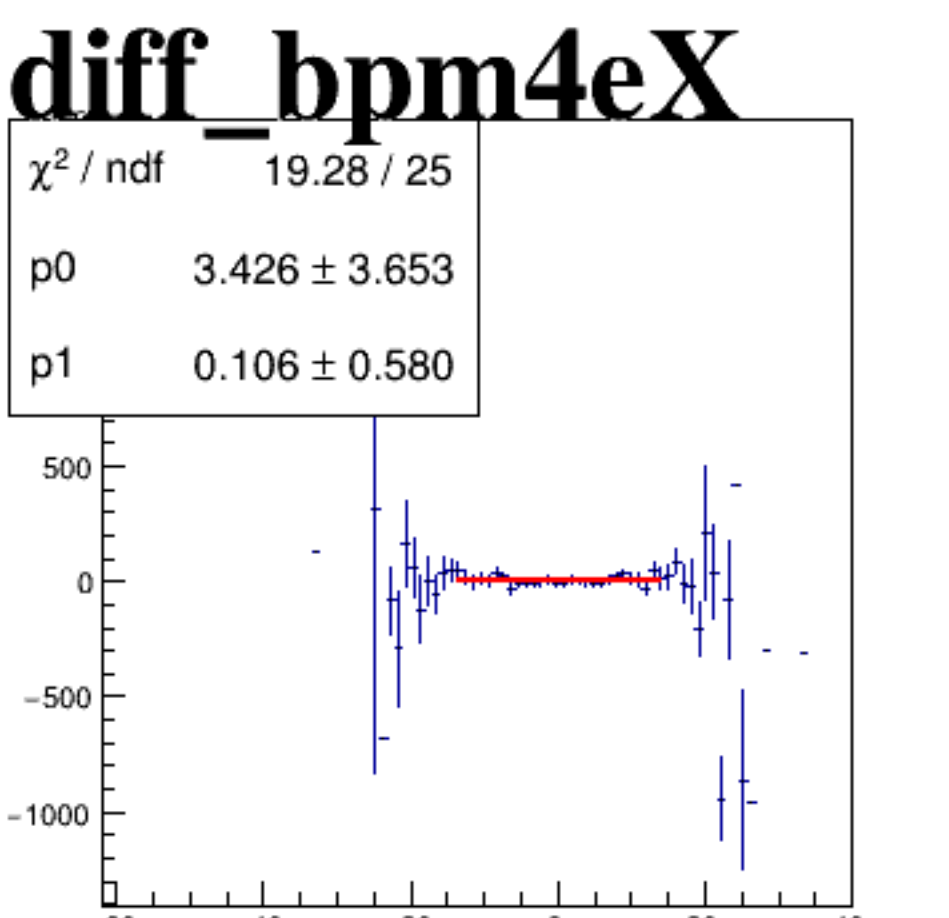
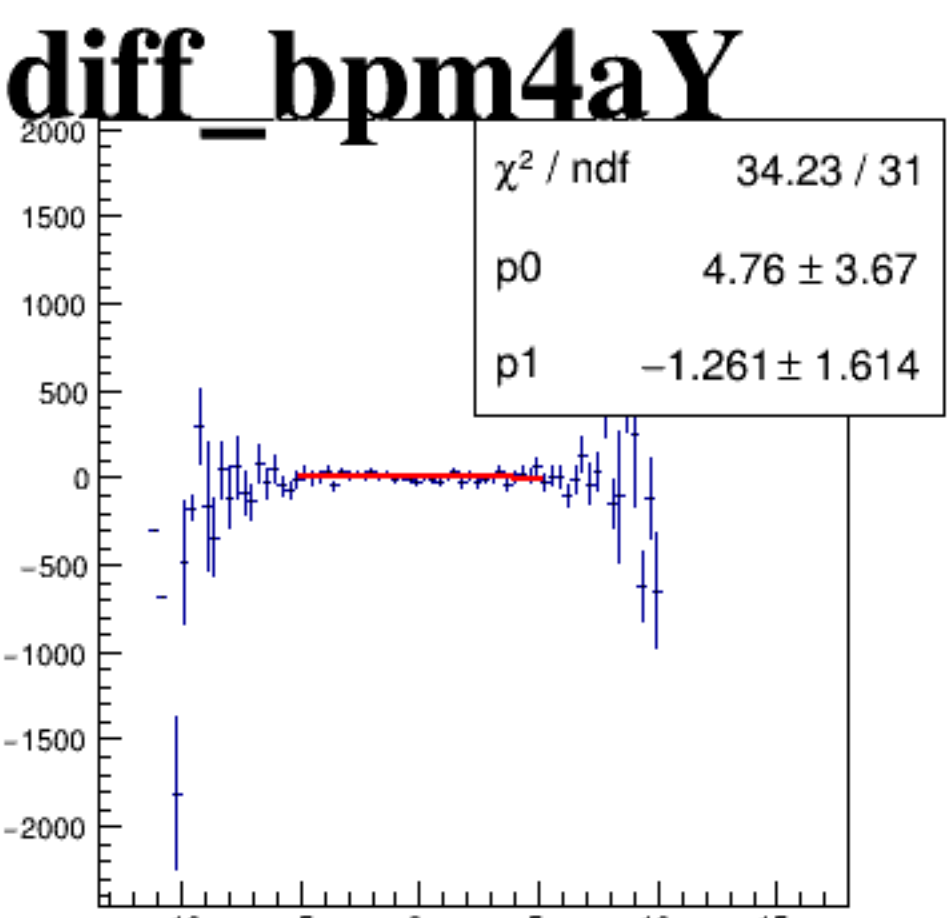
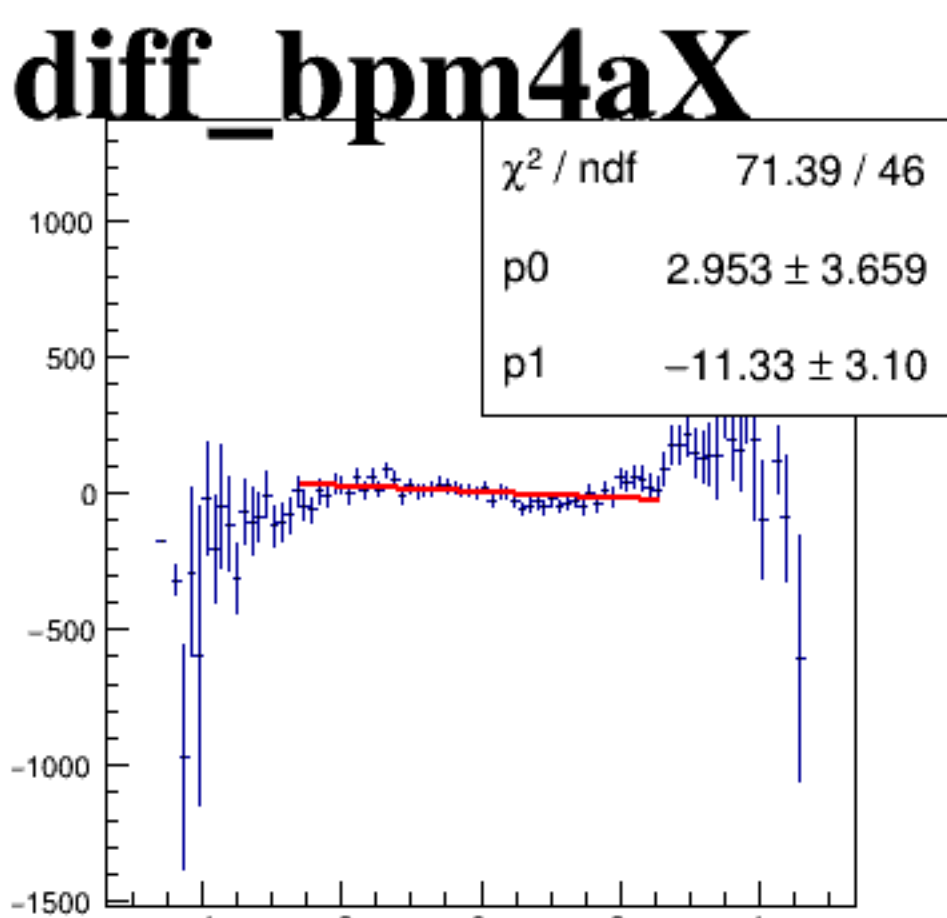
asym_sam7



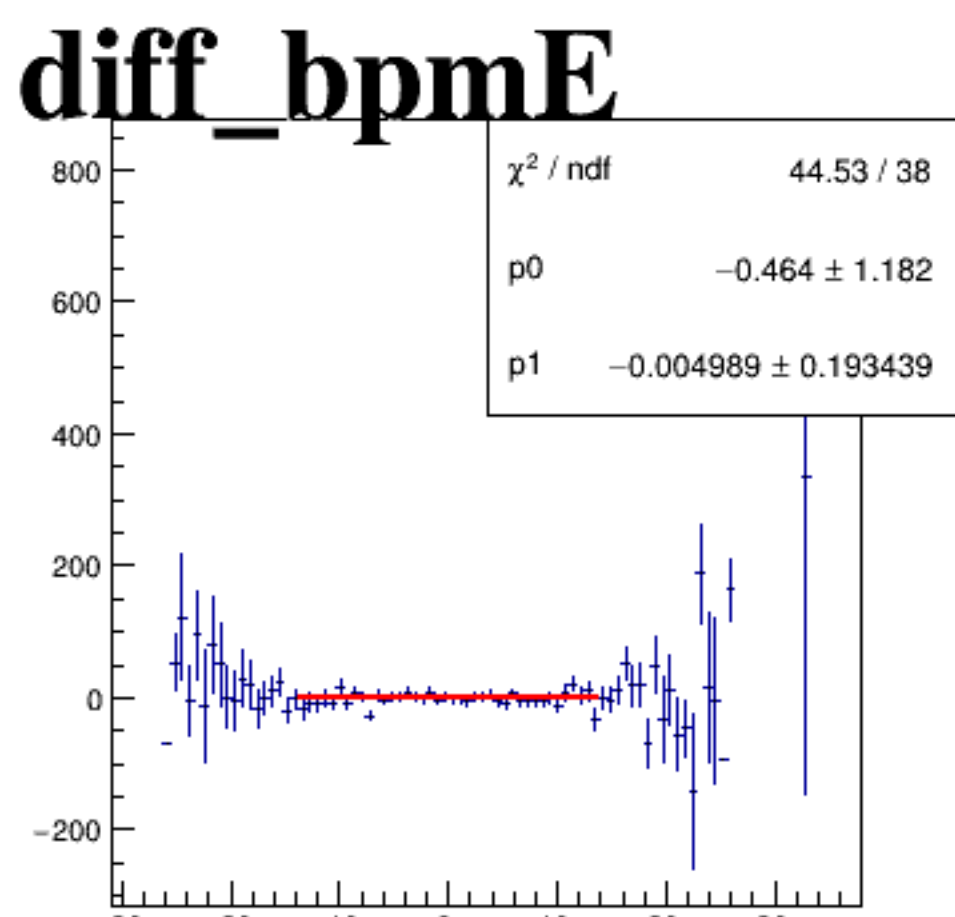
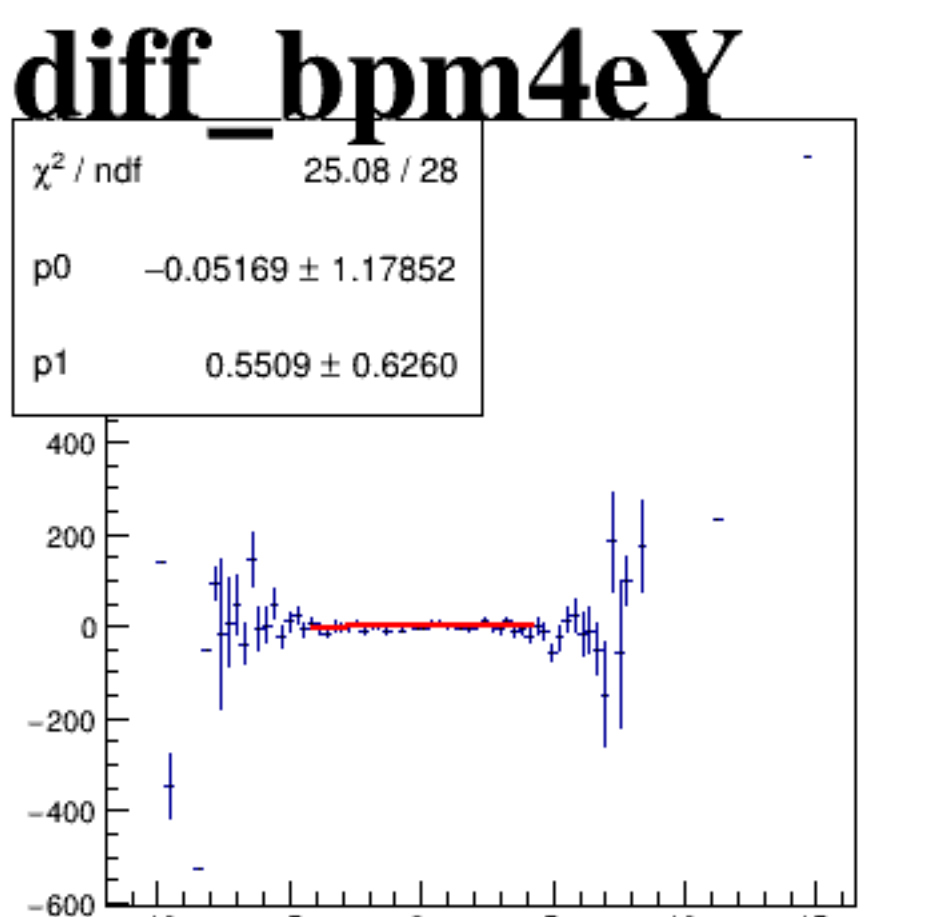
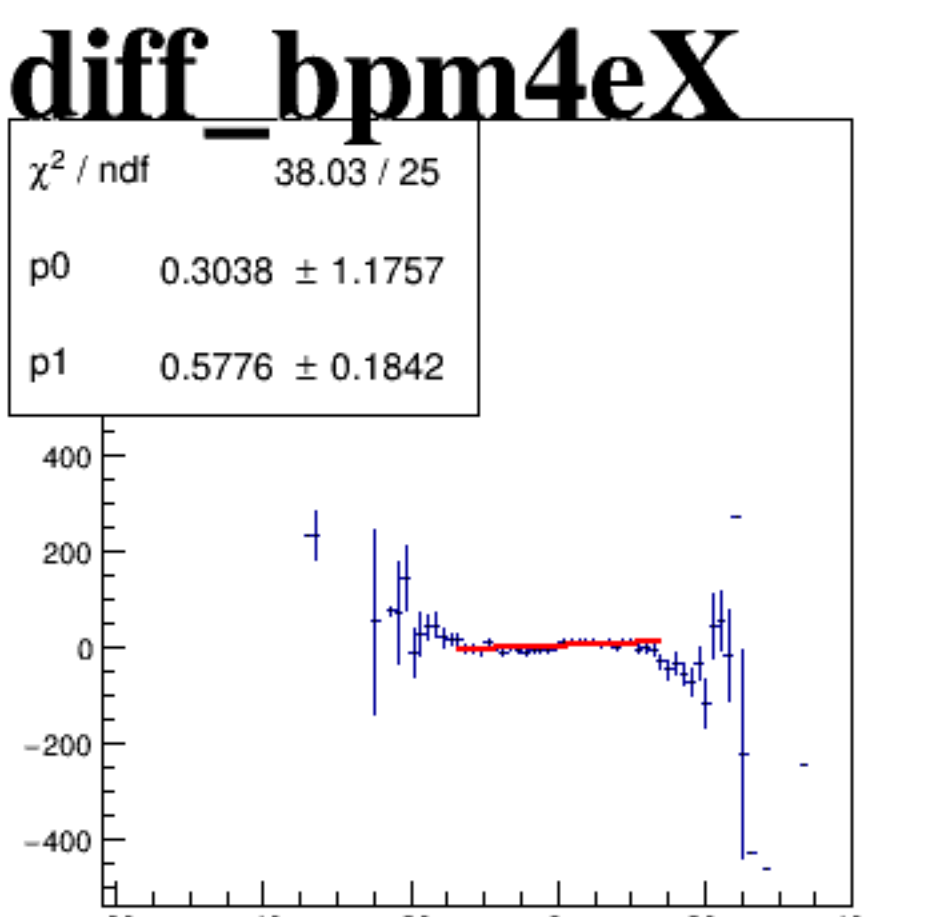
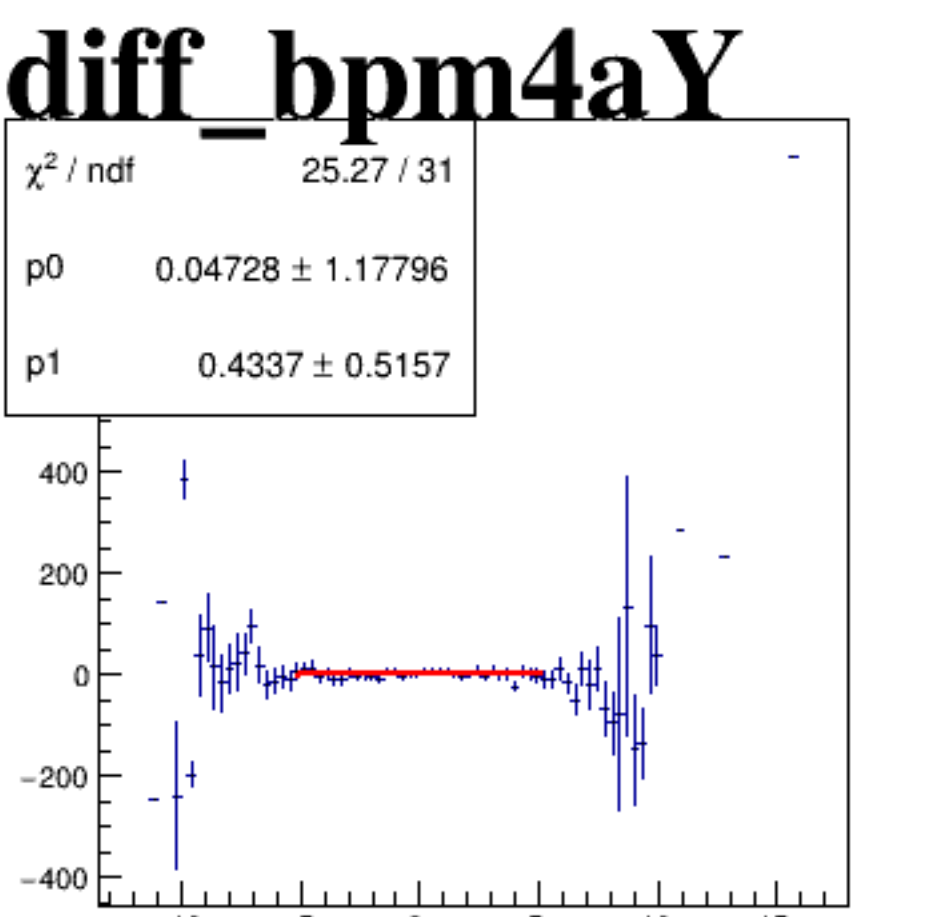
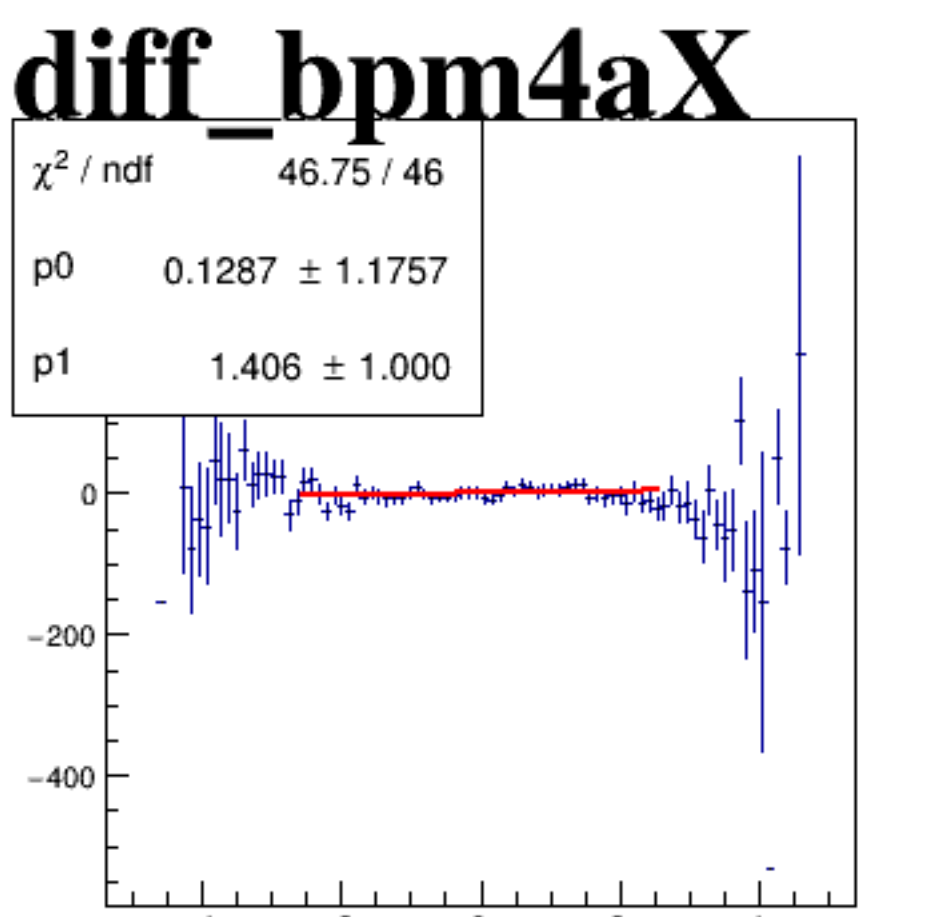
reg_asym_sam1



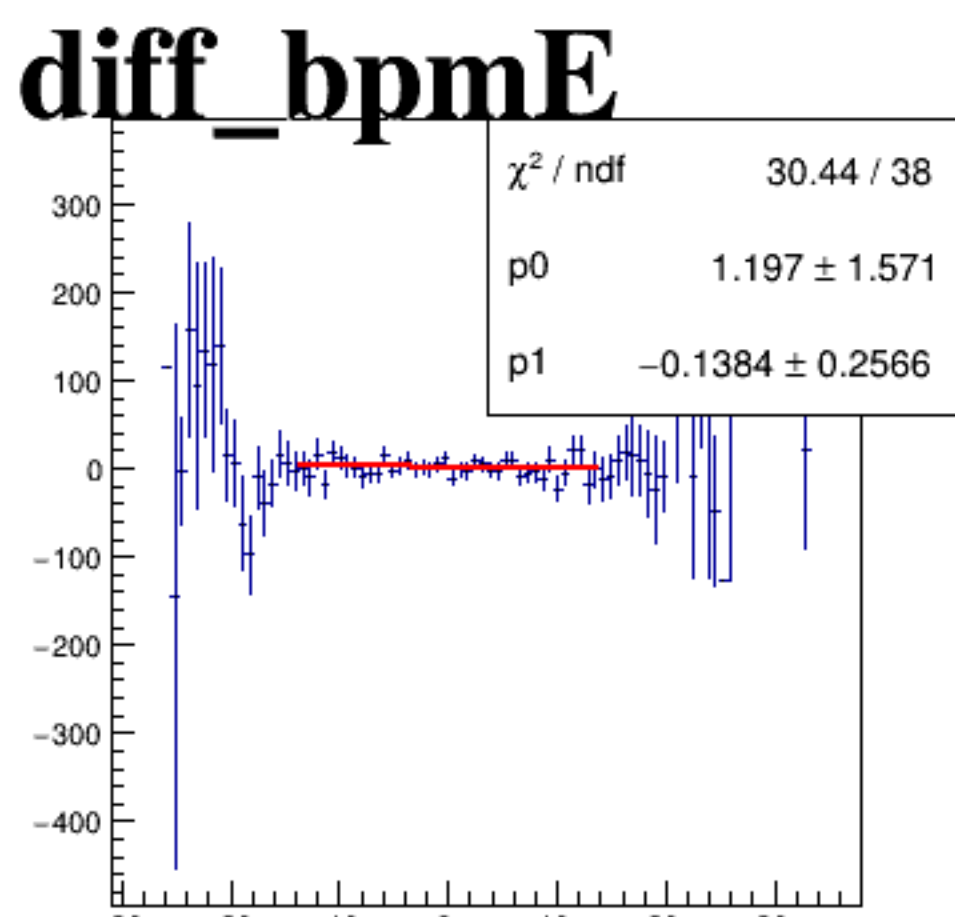
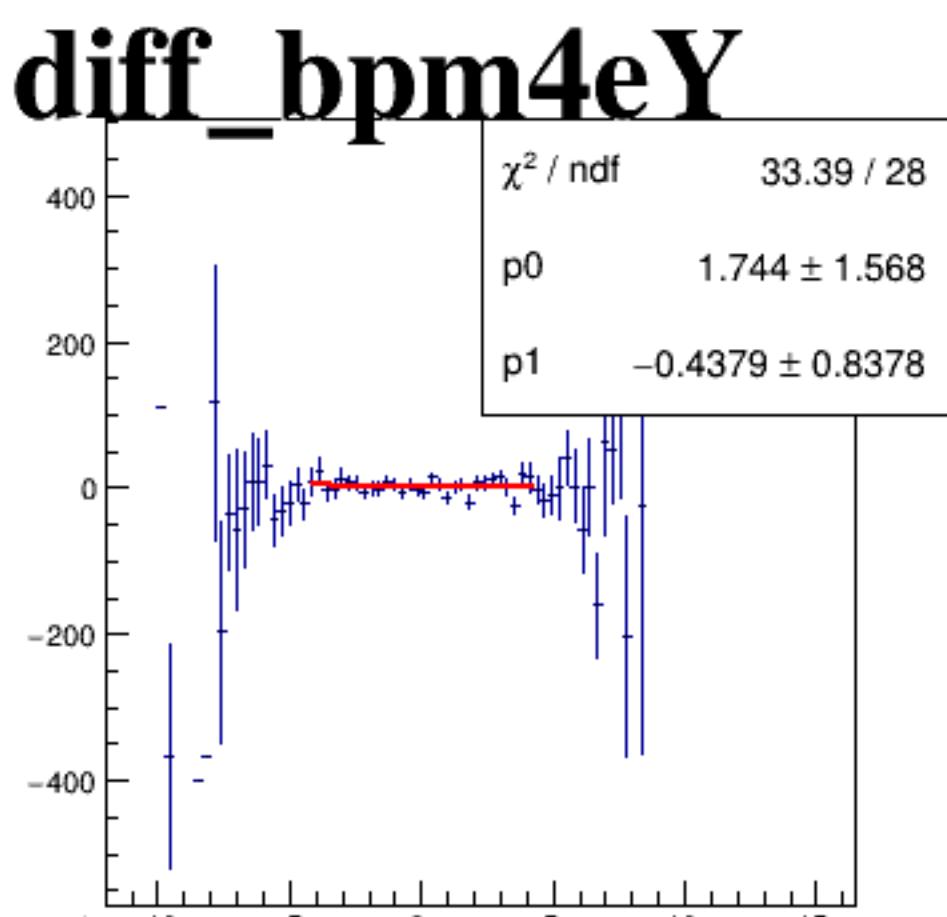
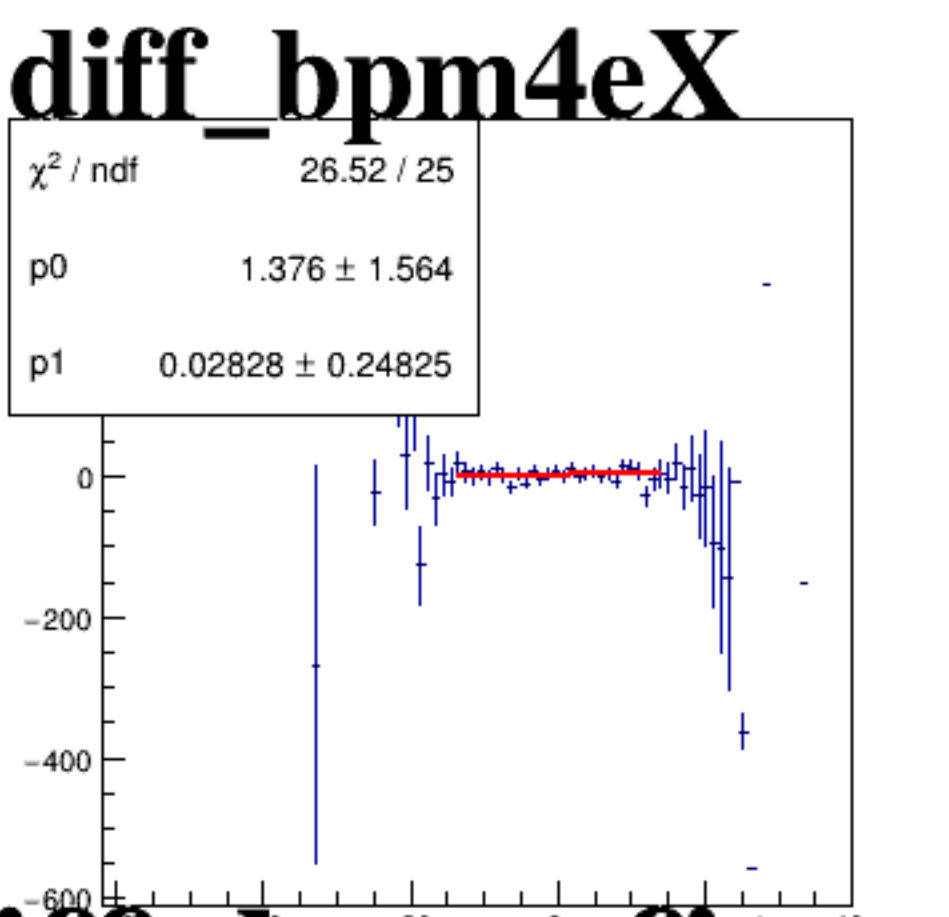
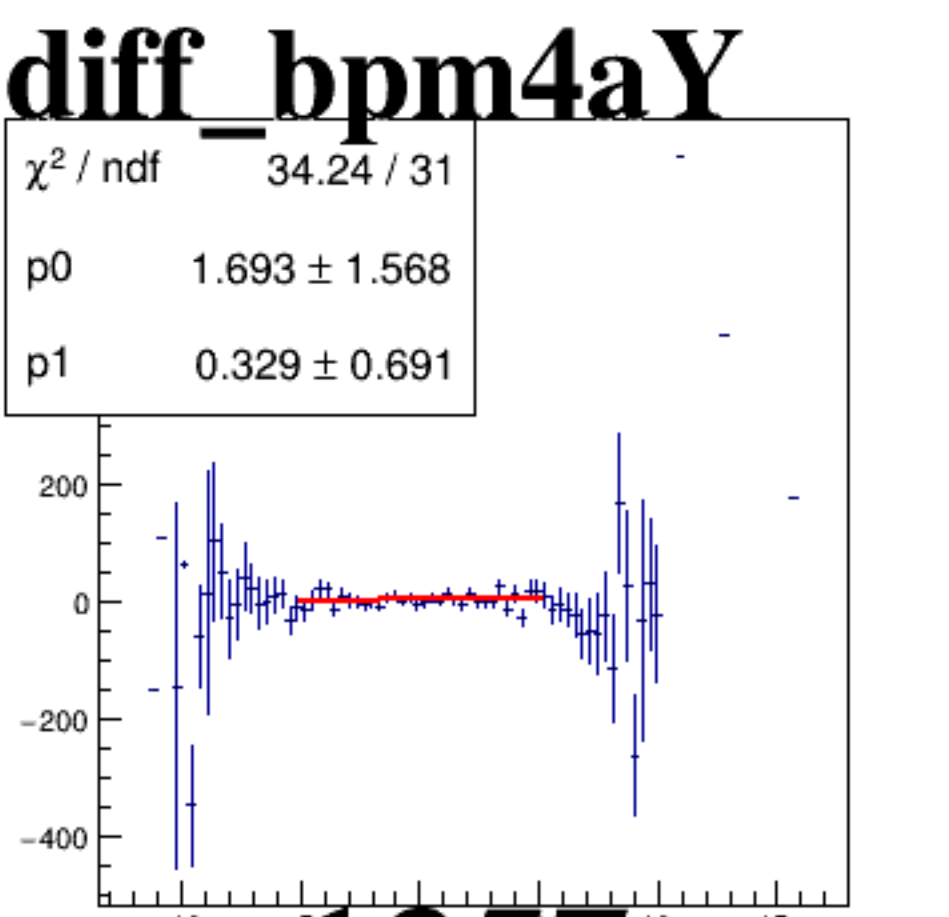
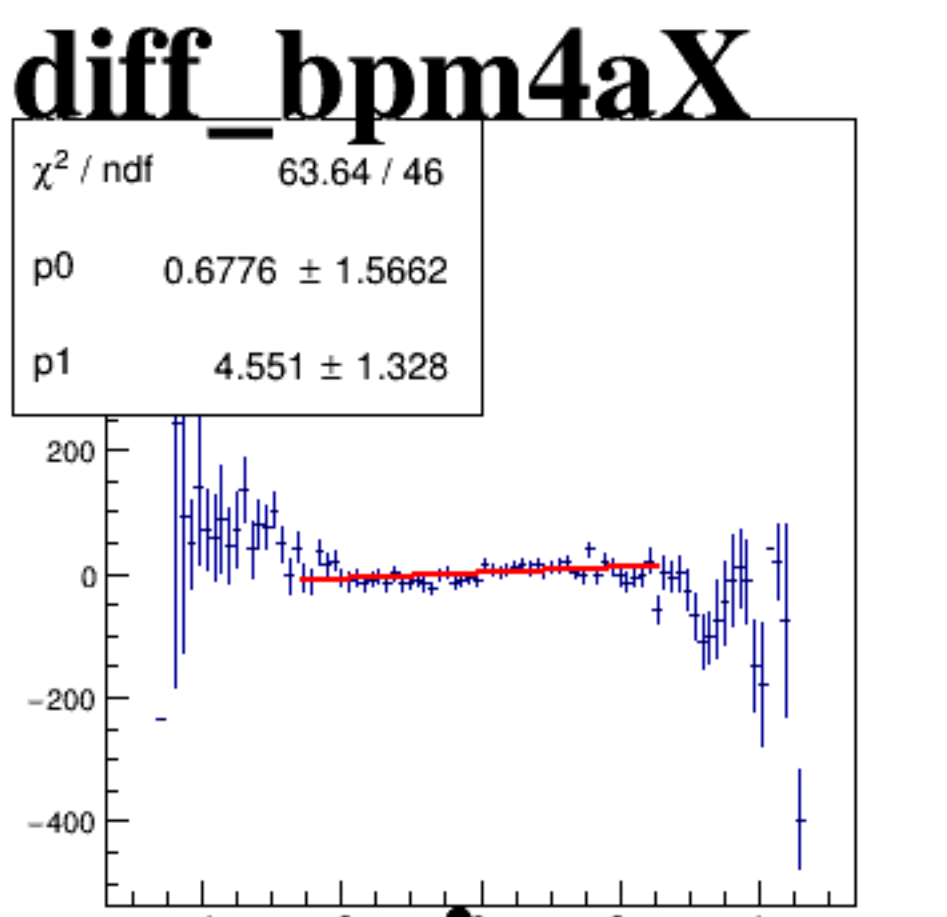
reg_asym_sam3



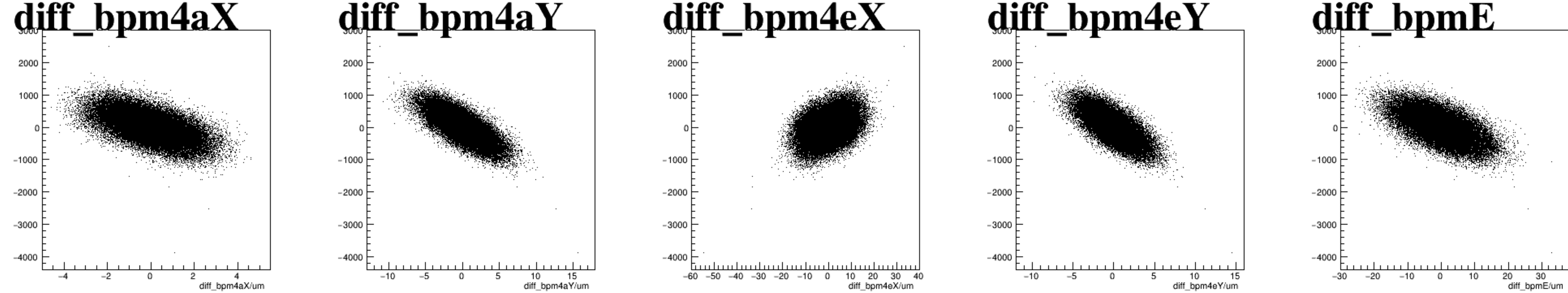
reg_asym_sam5



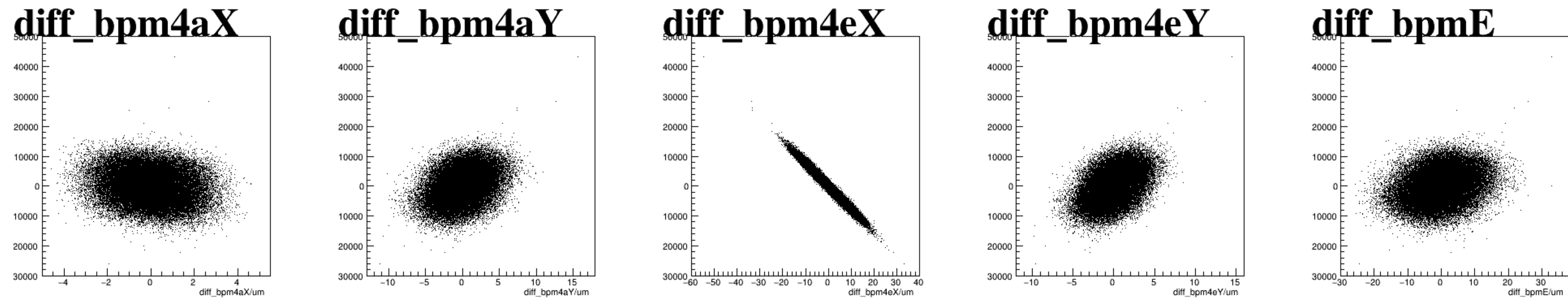
reg_asym_sam7



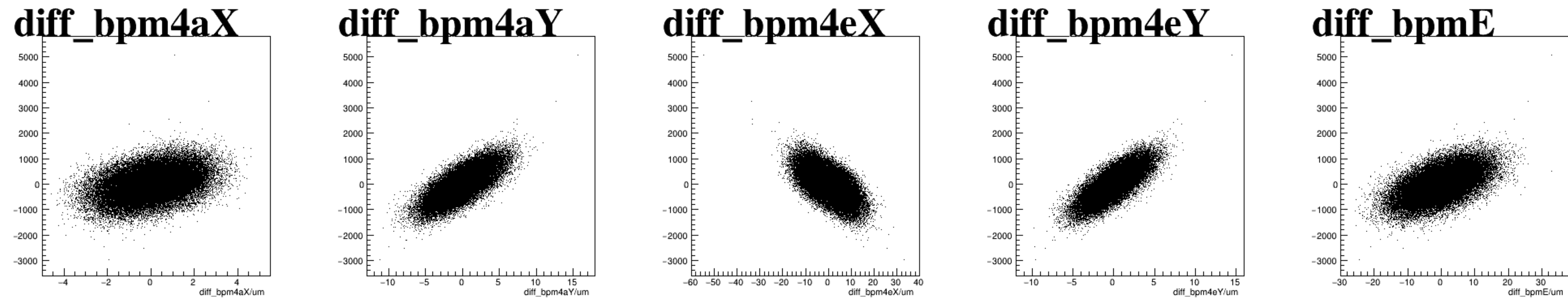
asym_sam1



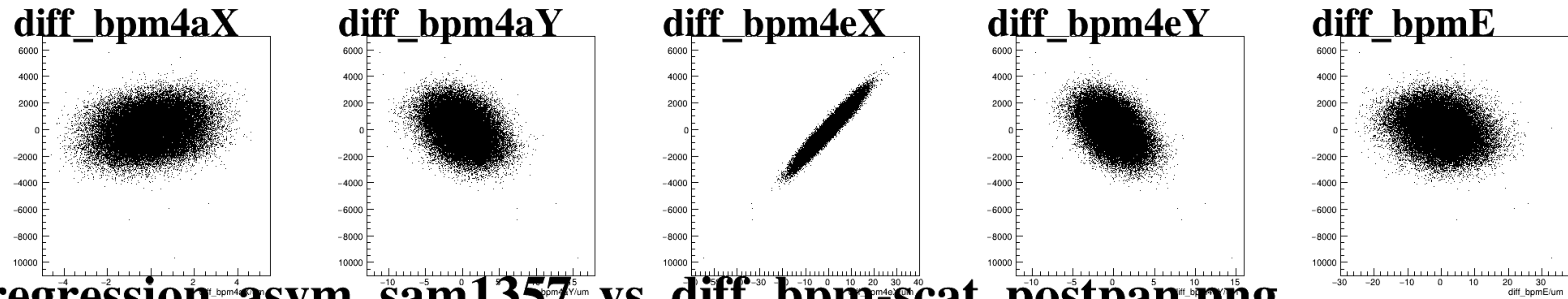
asym_sam3



asym_sam5



asym_sam7



The figure displays five scatter plots arranged horizontally, each showing the distribution of a different variable. The plots are titled **diff_bpm4aX**, **diff_bpm4aY**, **diff_bpm4eX**, **diff_bpm4eY**, and **diff_bpmE**. Each plot has a y-axis ranging from -1000 to 1000 and an x-axis ranging from -10 to 15. The data points are densely packed in a roughly circular cloud centered around the origin (0,0).