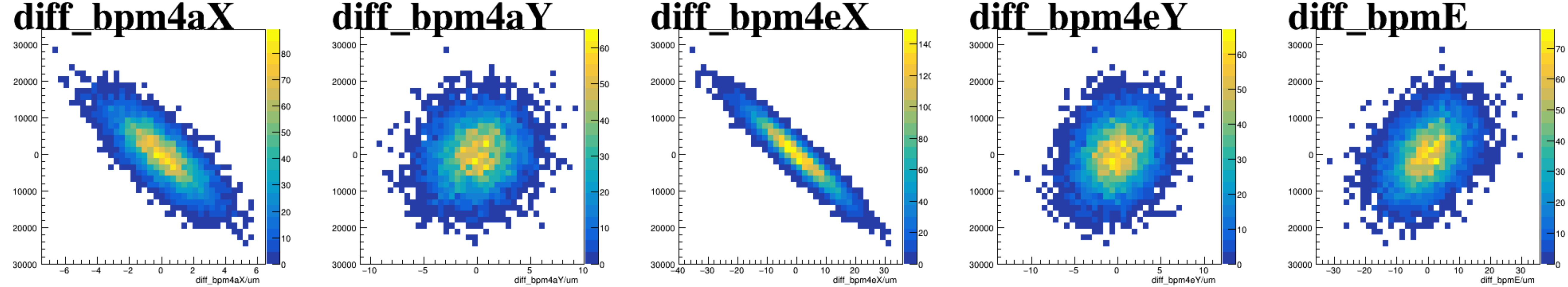
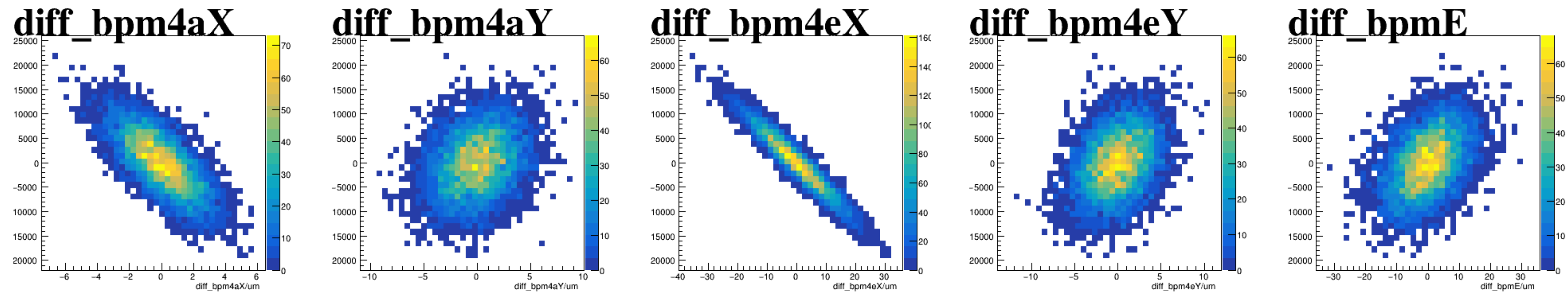


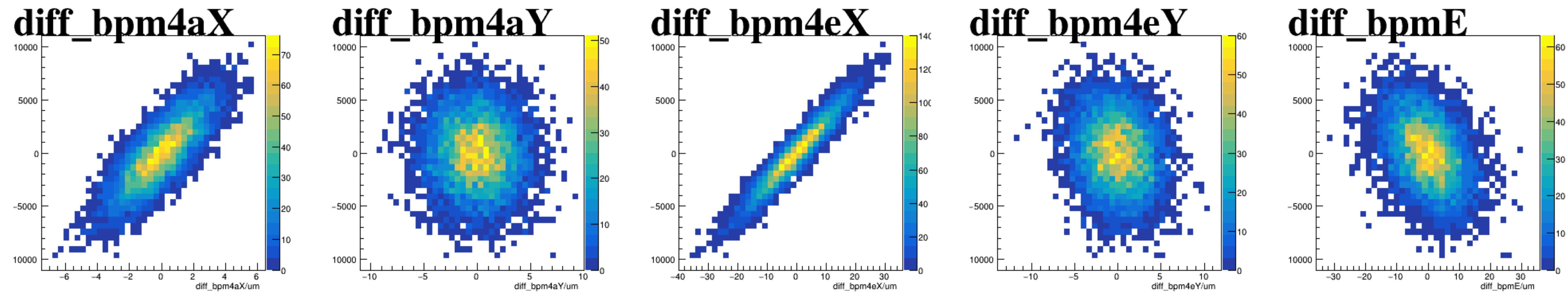
asym_sam2



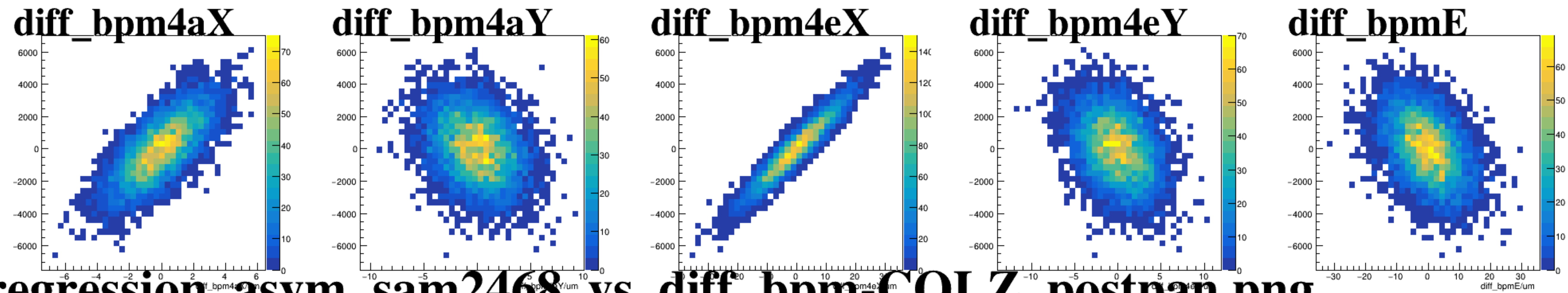
asym_sam4



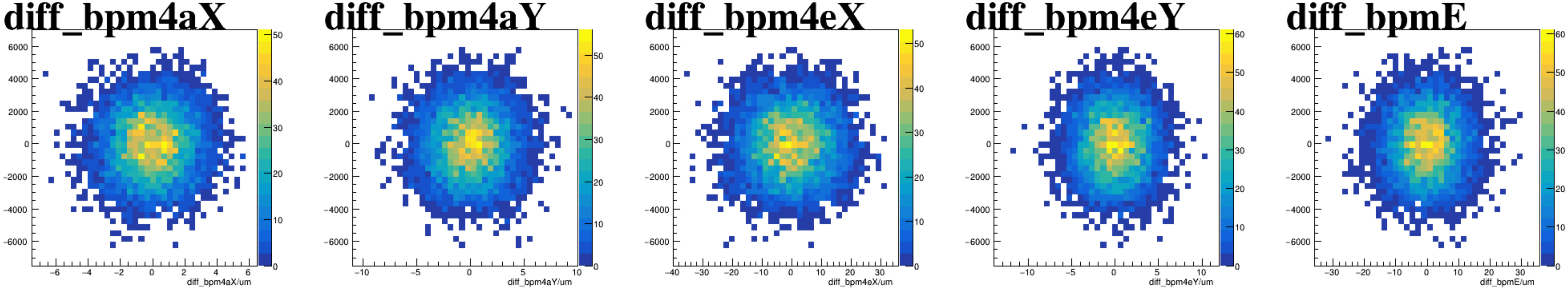
asym_sam6



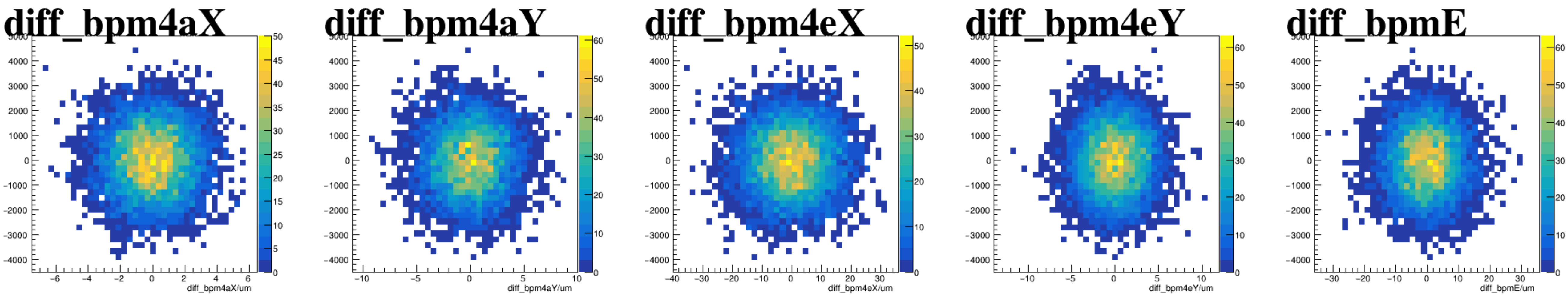
asym_sam8



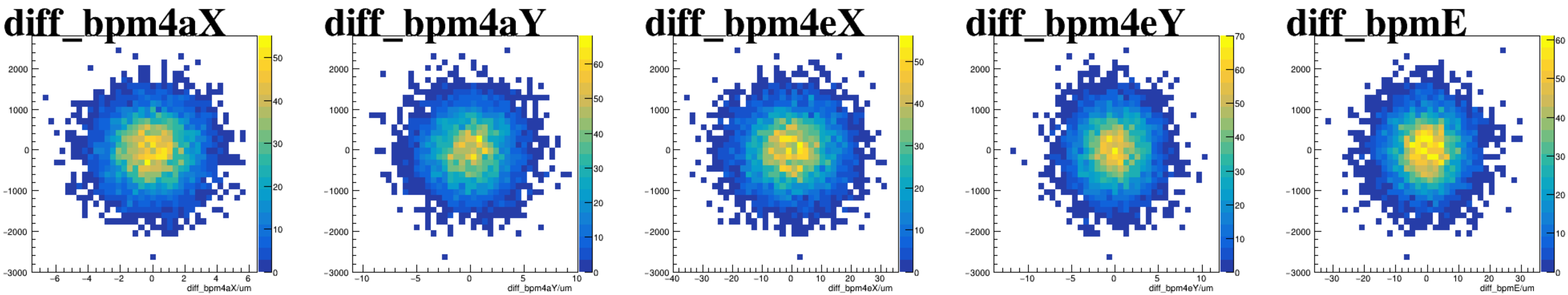
reg_asym_sam2



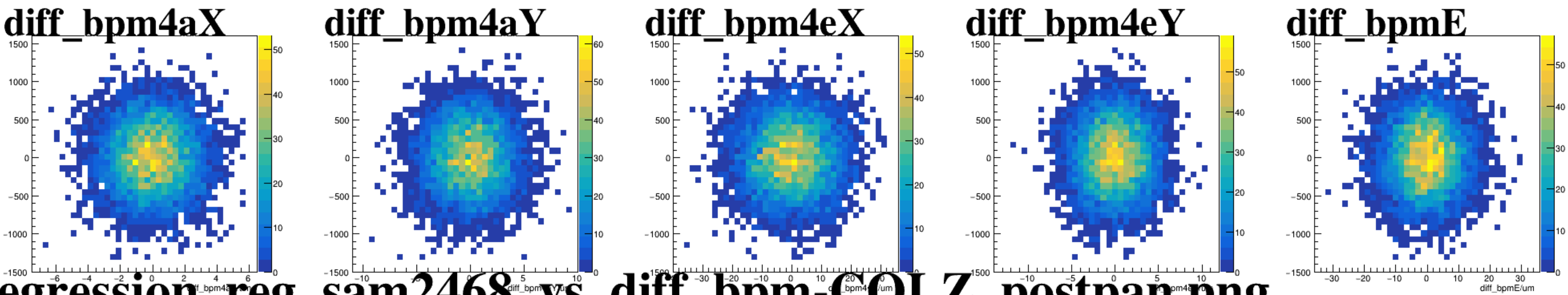
reg_asym_sam4



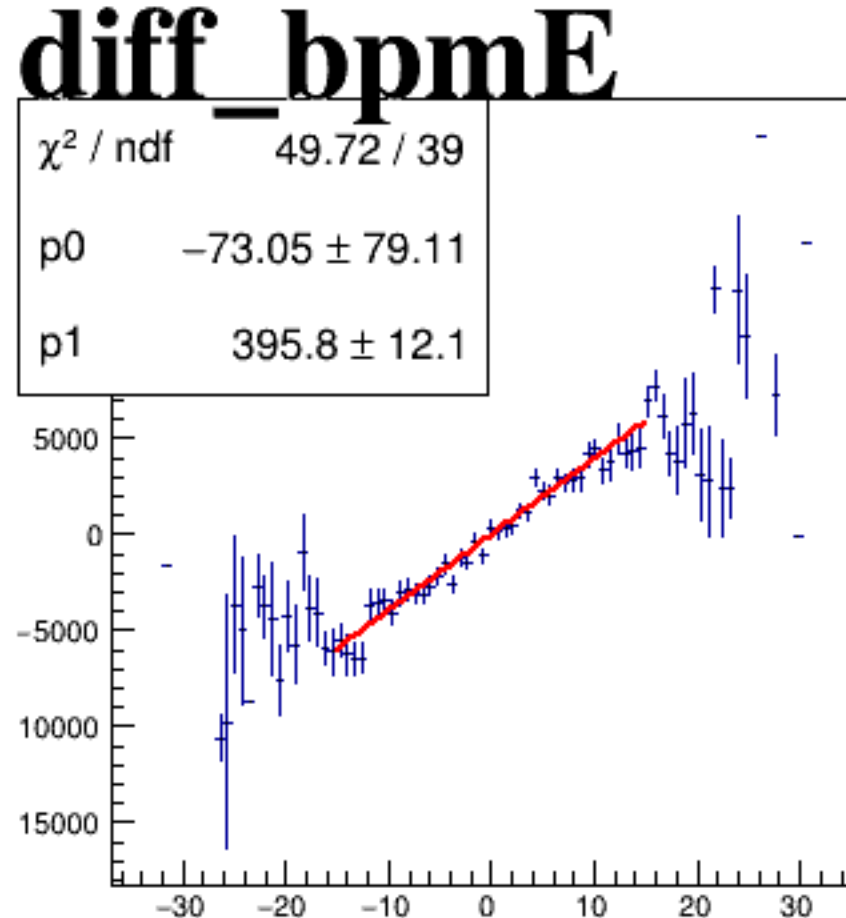
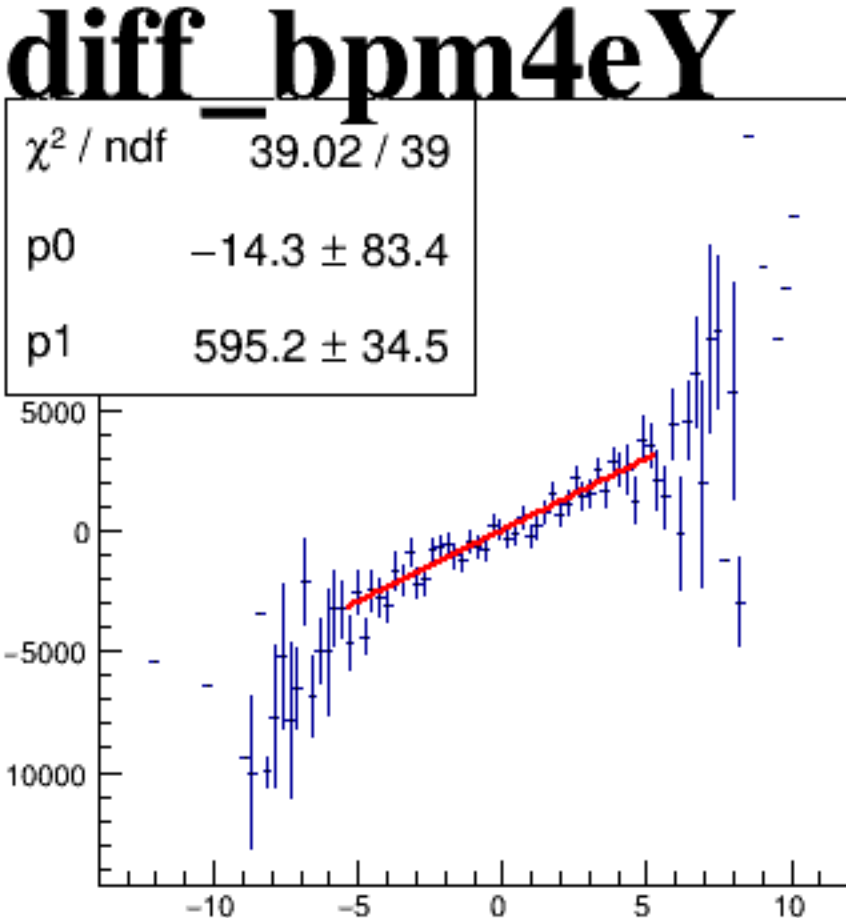
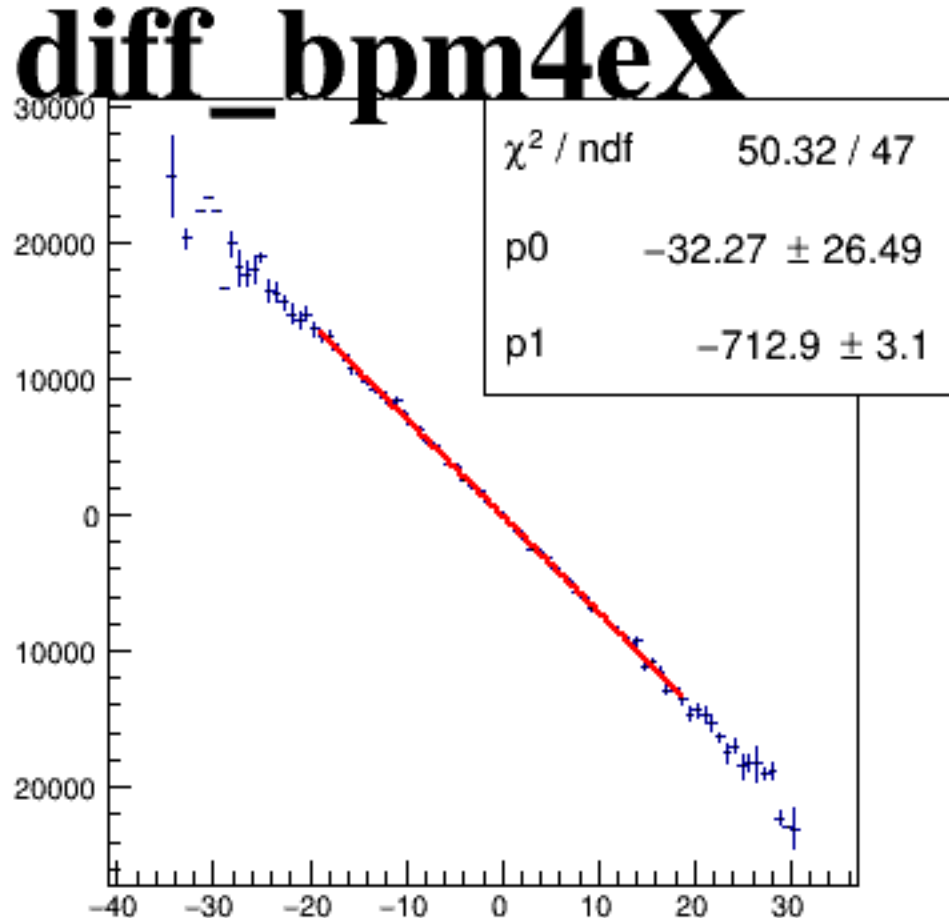
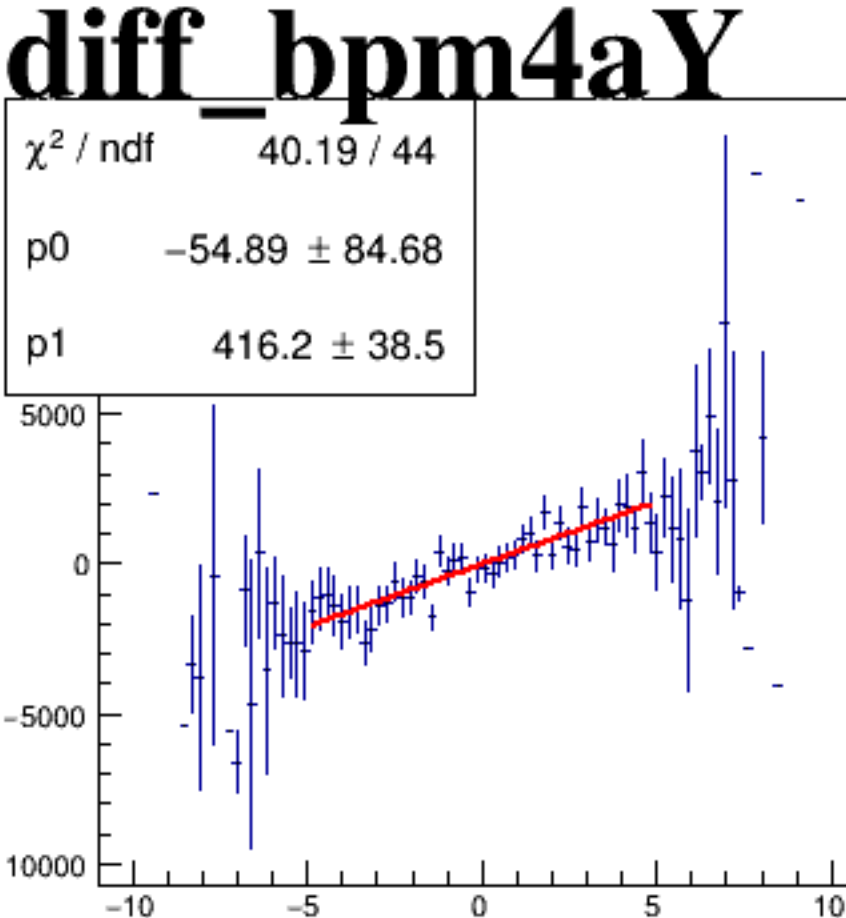
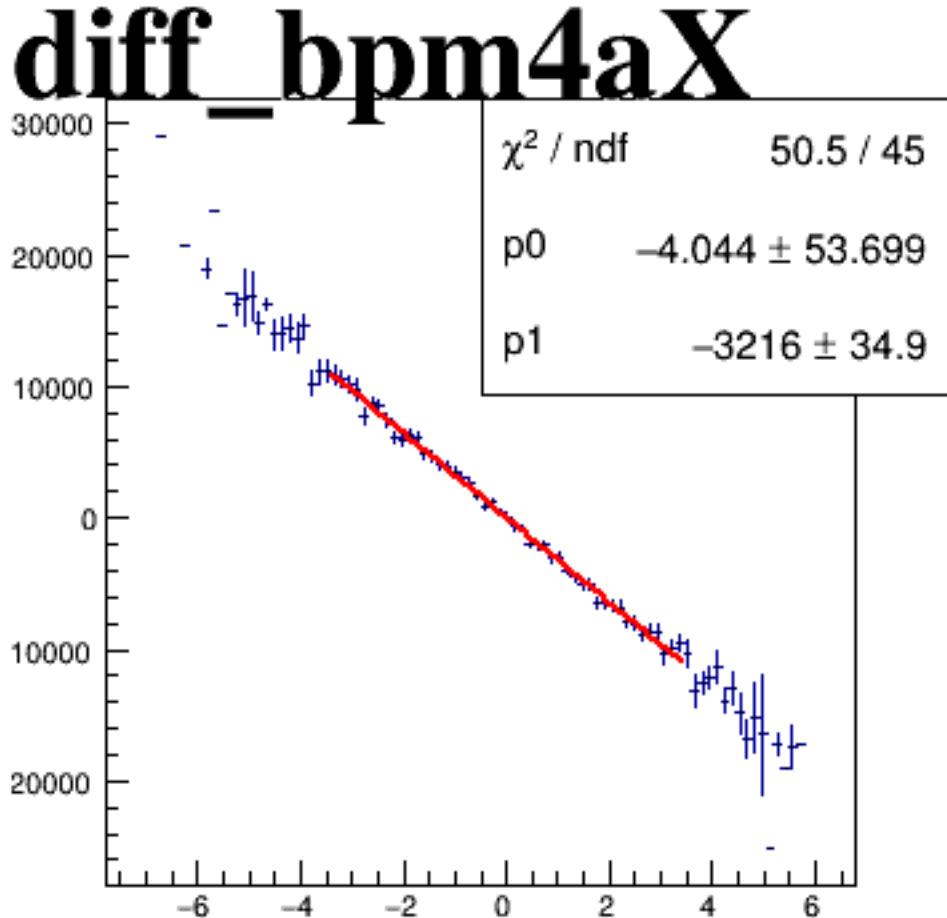
reg_asym_sam6



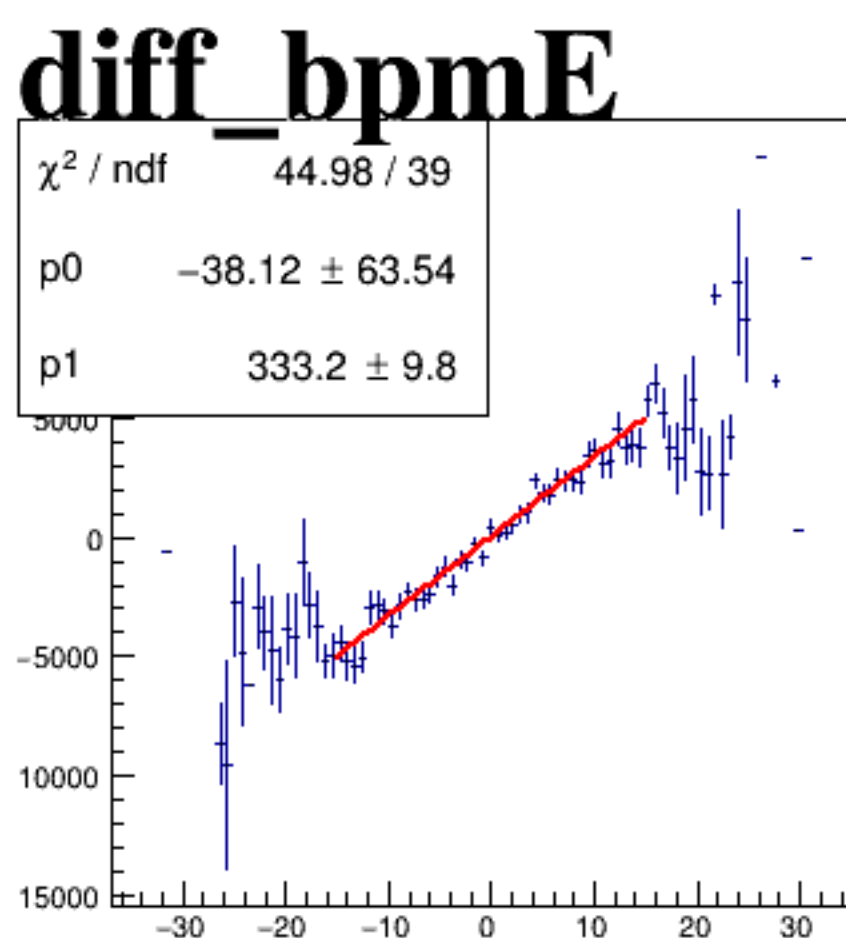
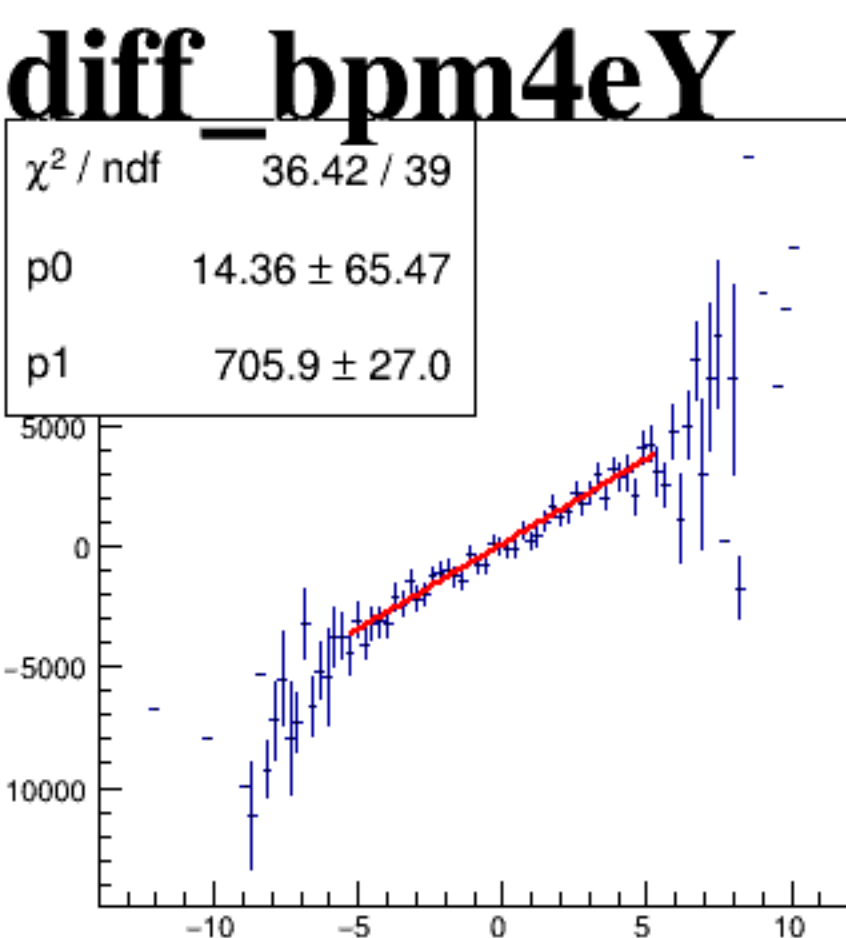
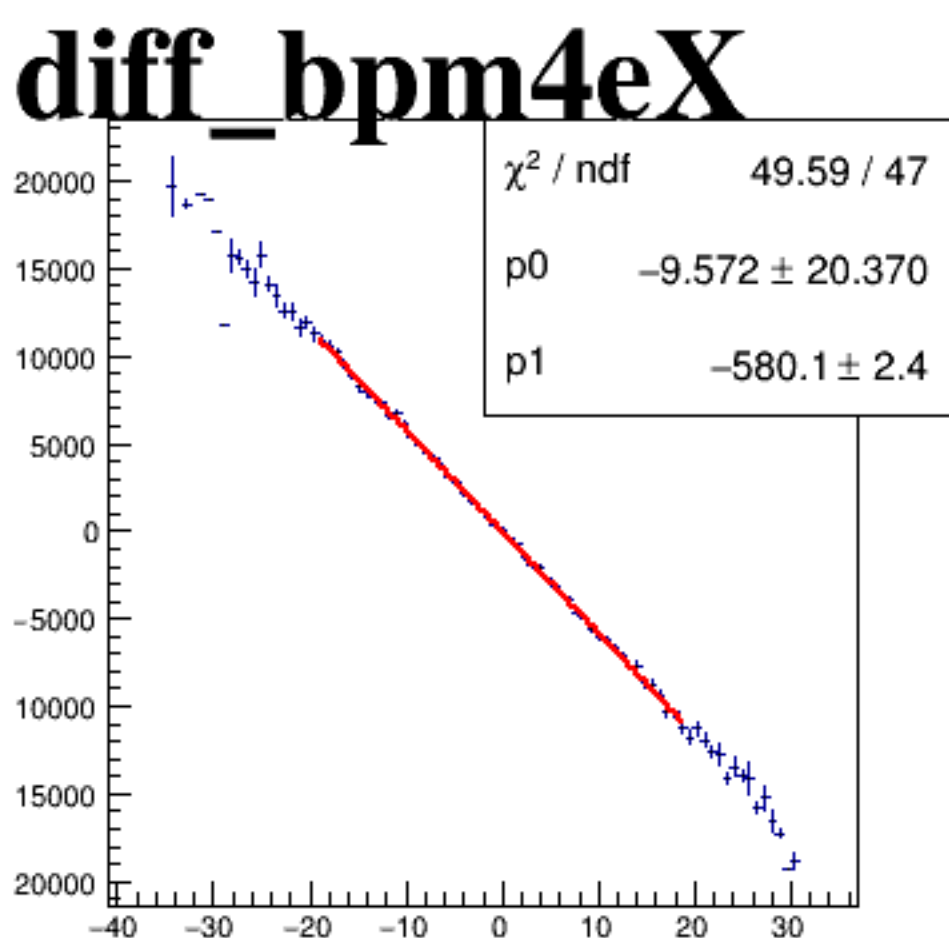
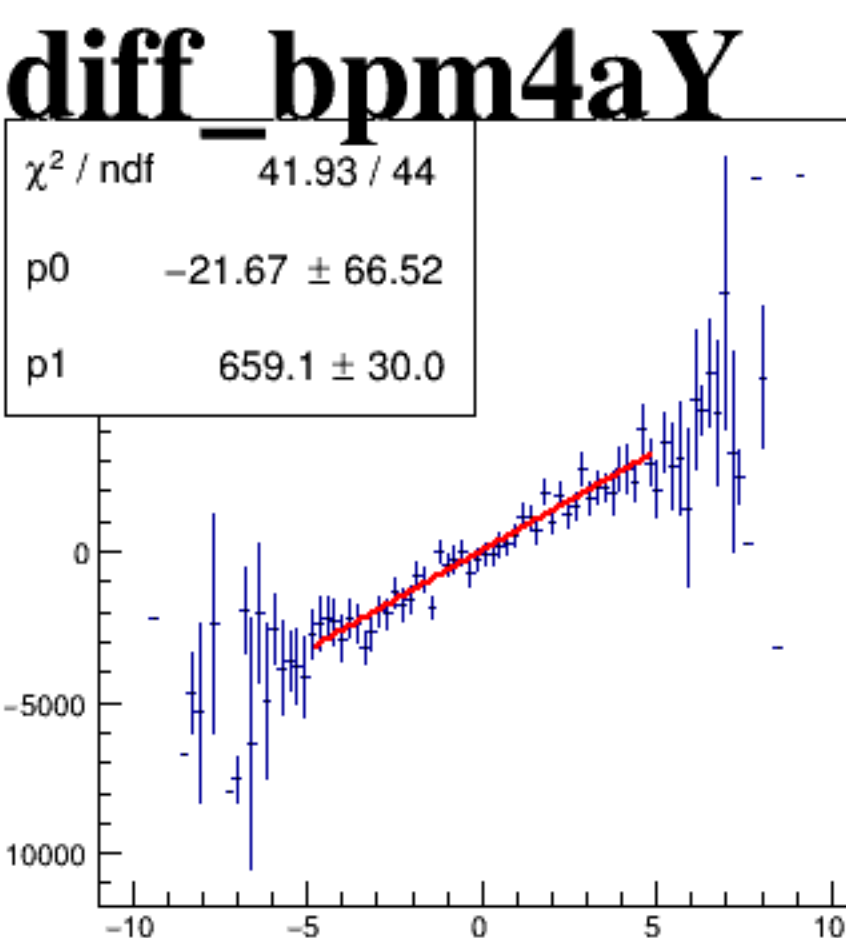
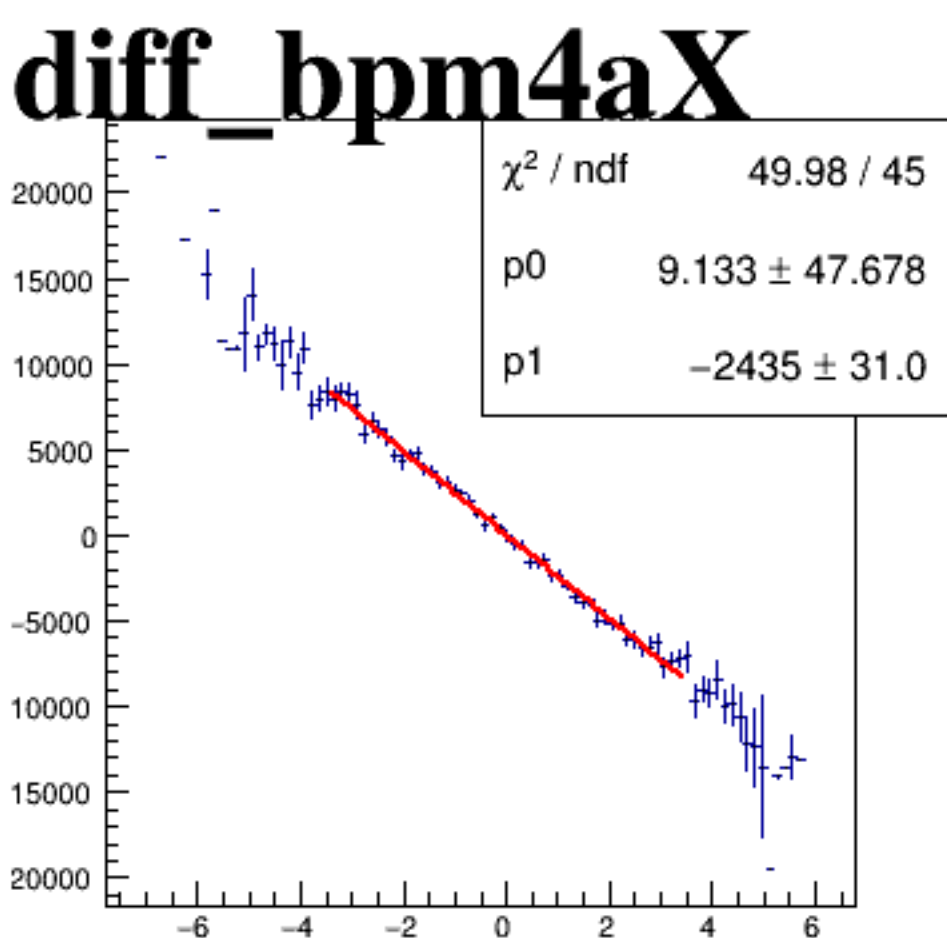
reg_asym_sam8



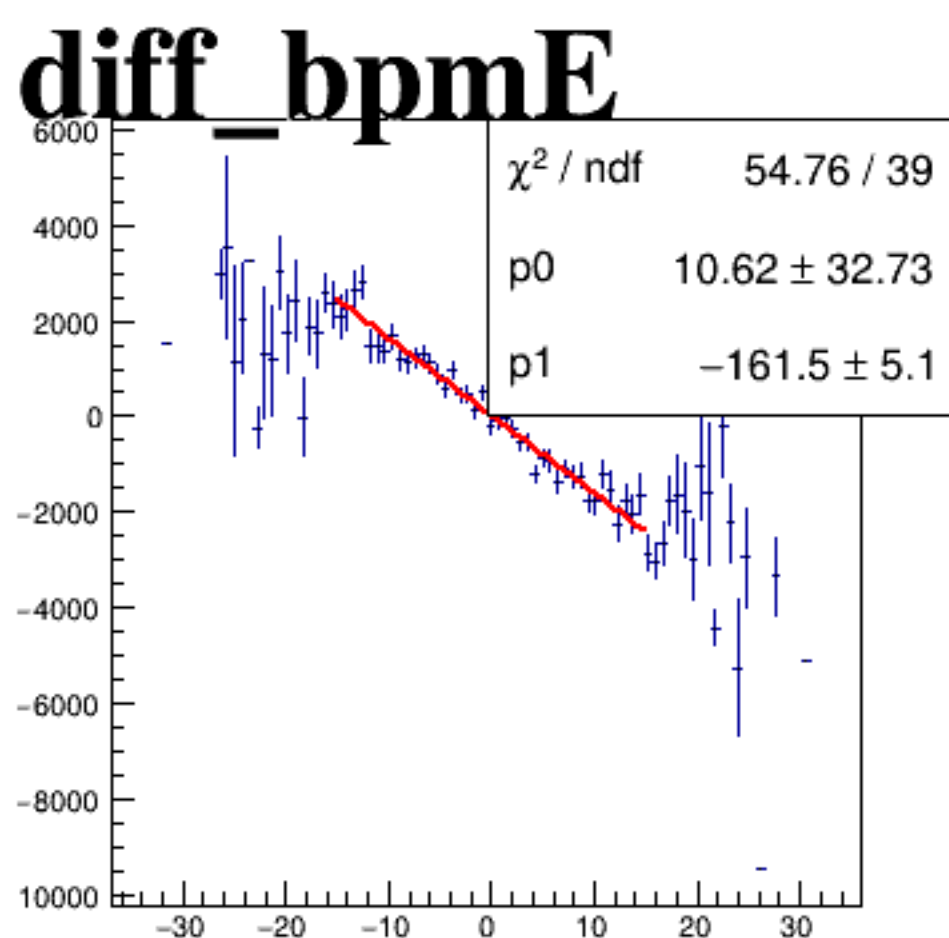
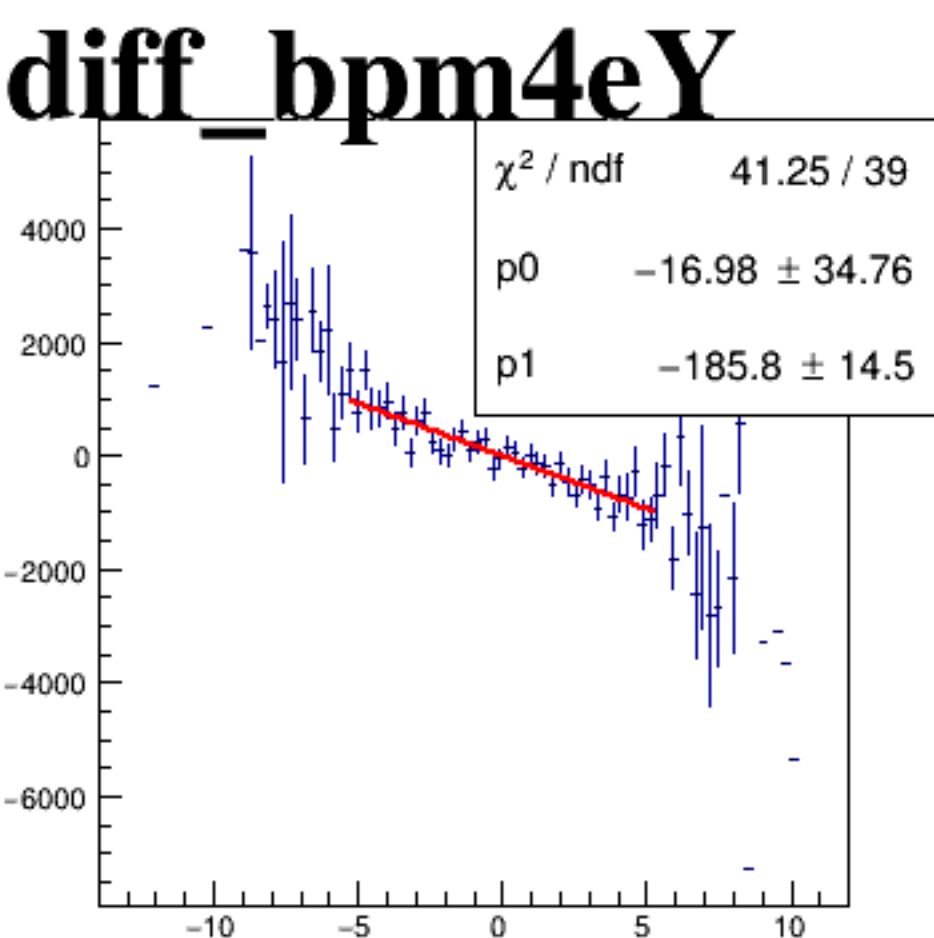
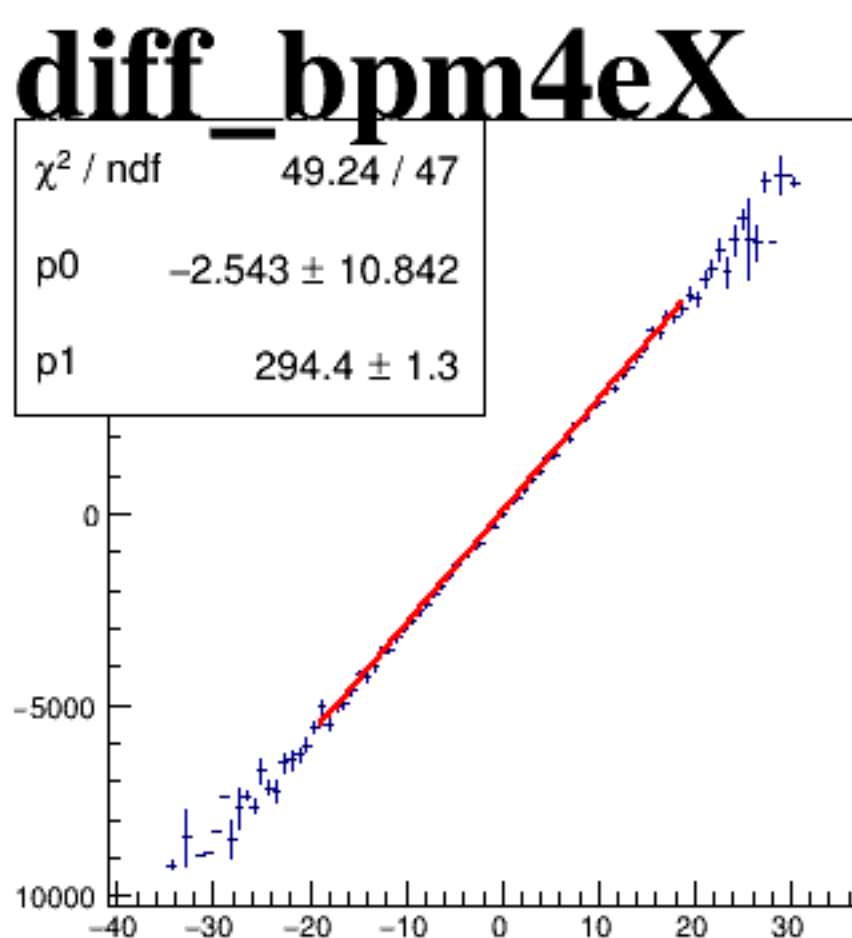
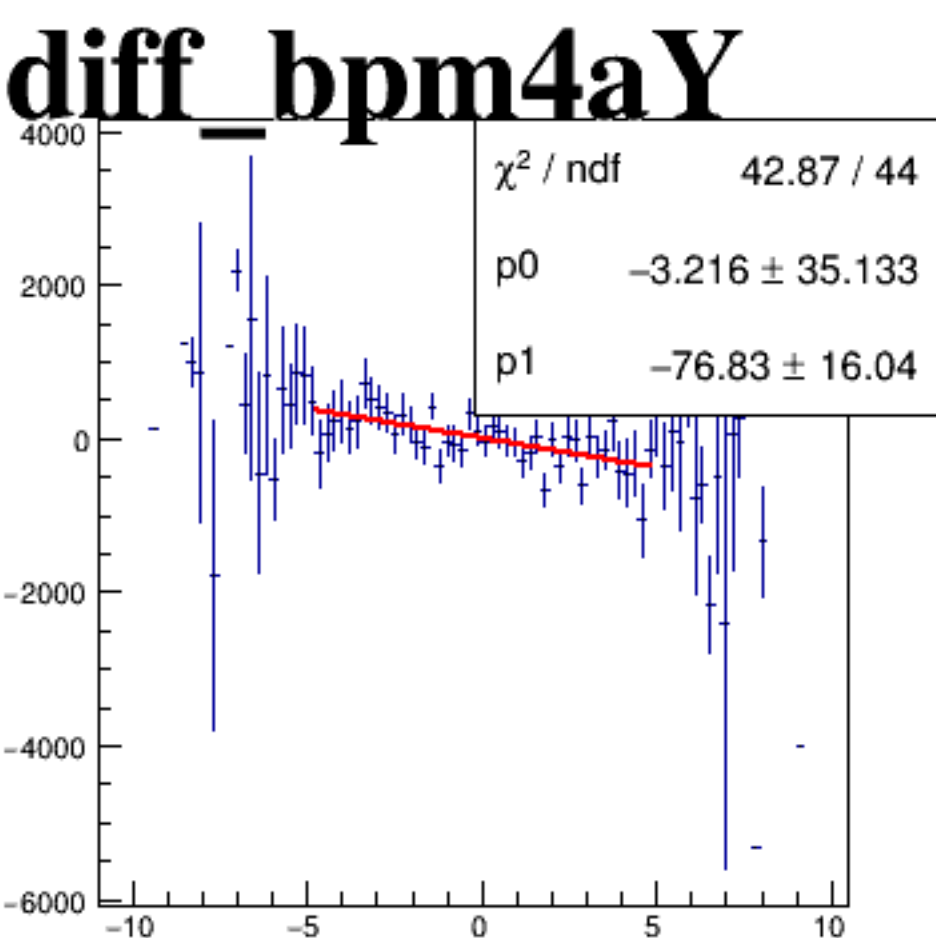
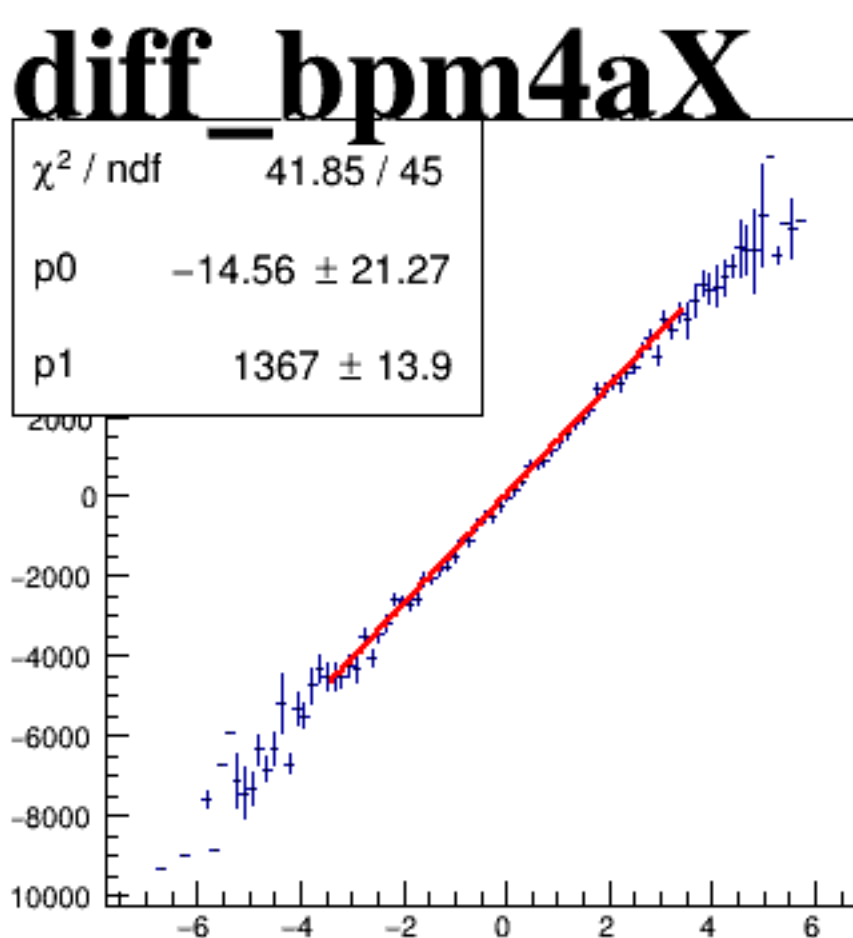
asym_sam2



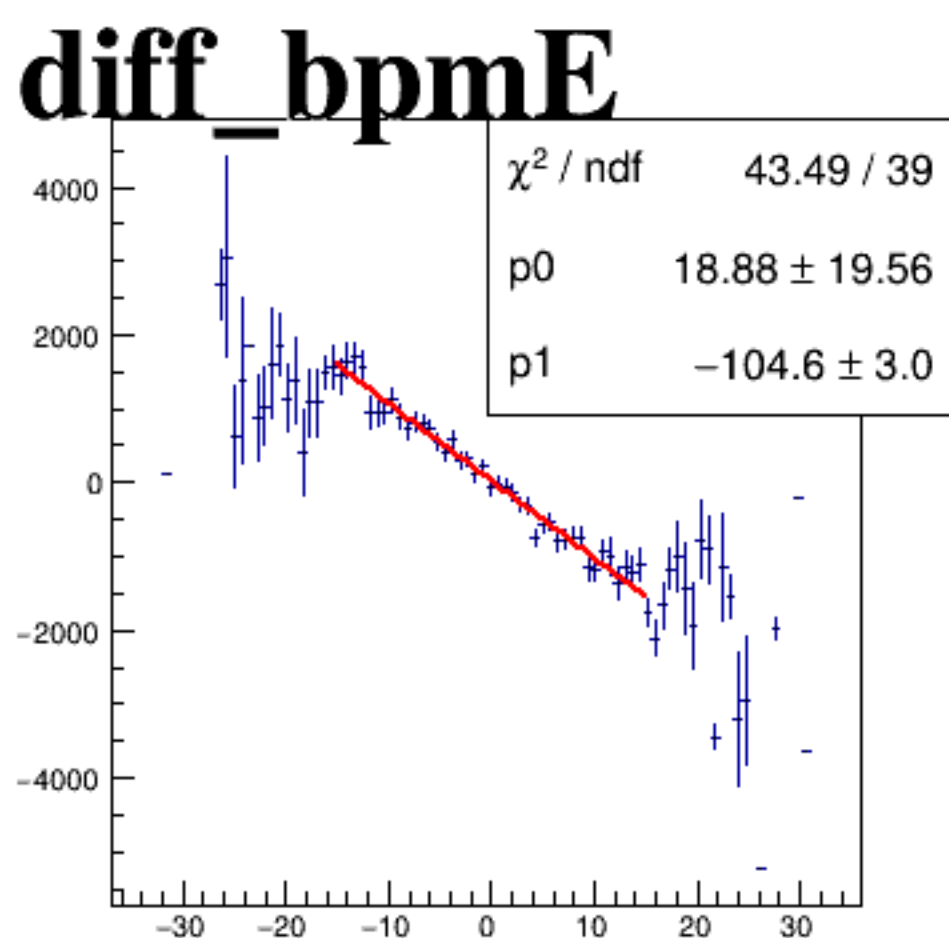
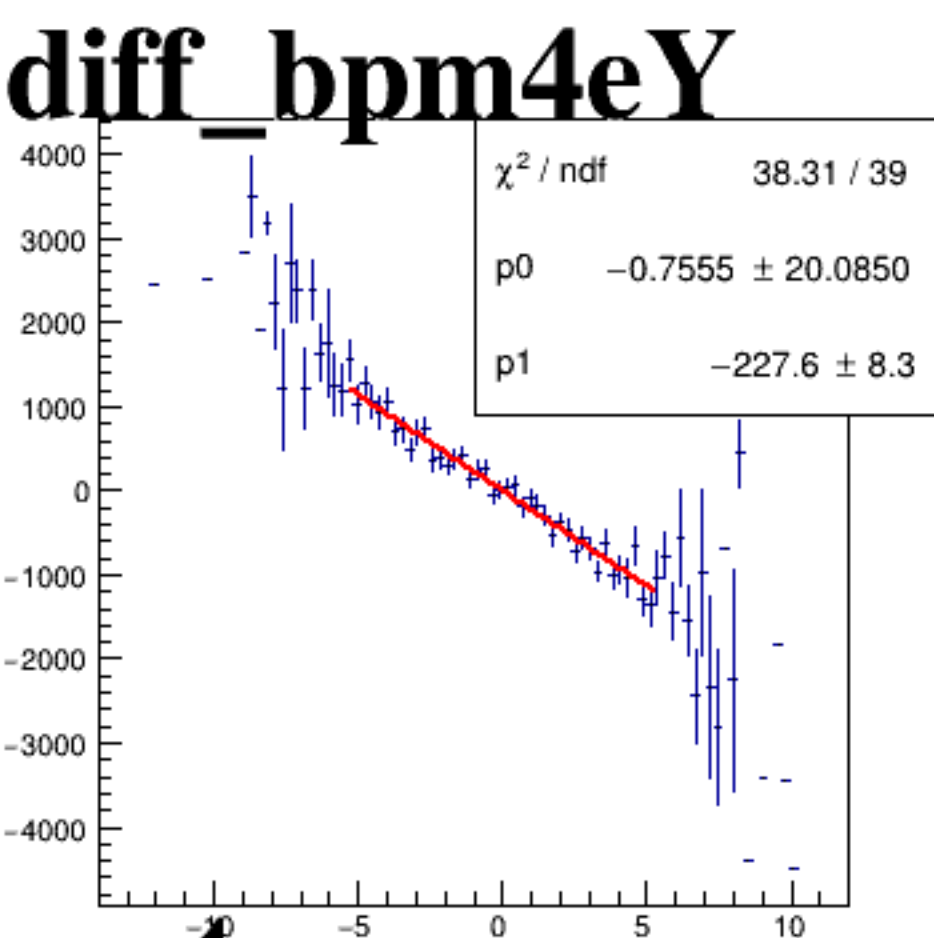
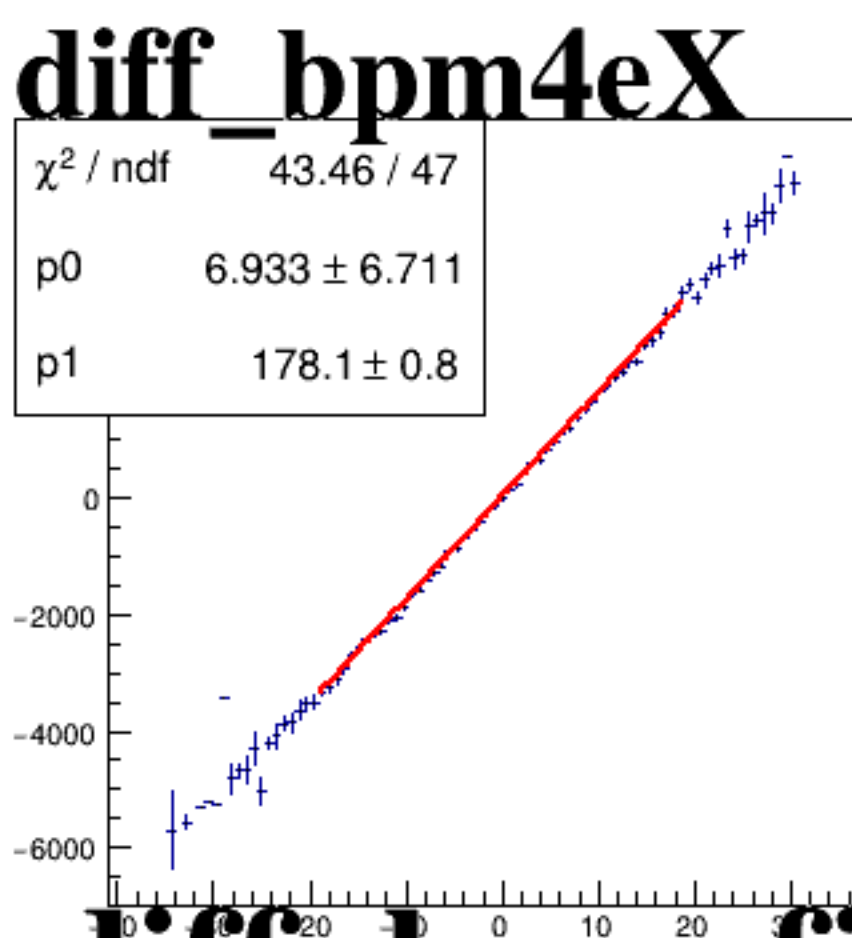
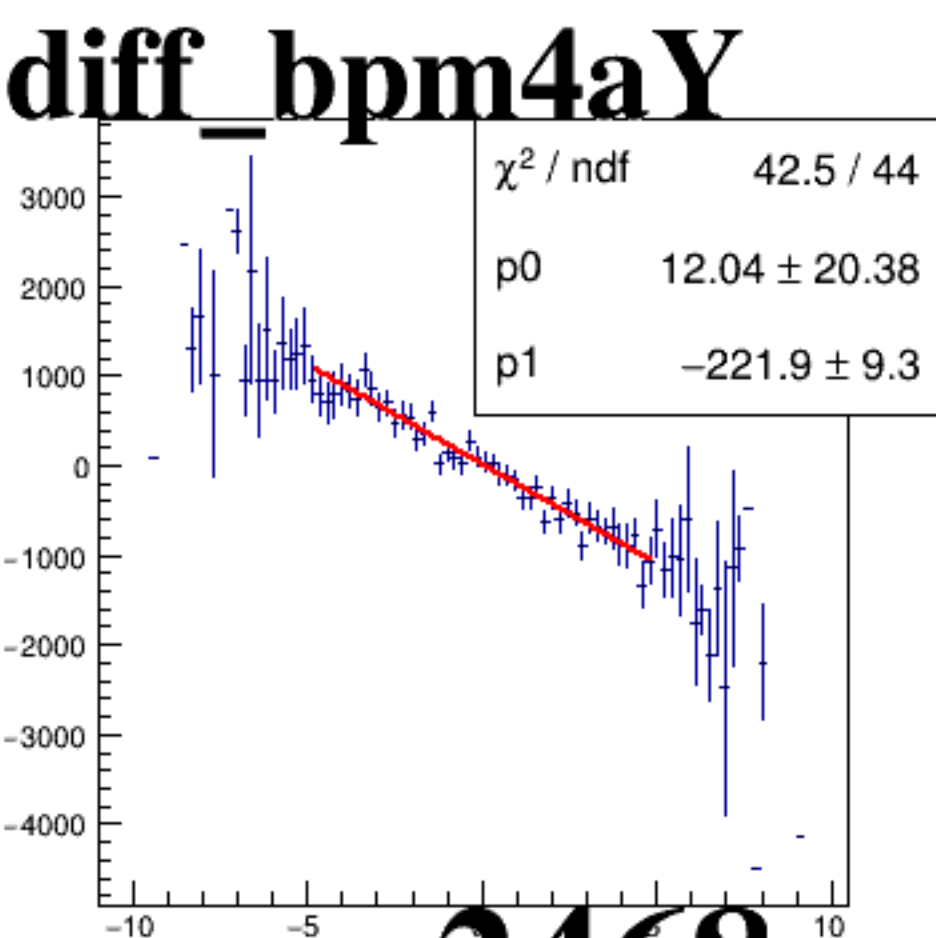
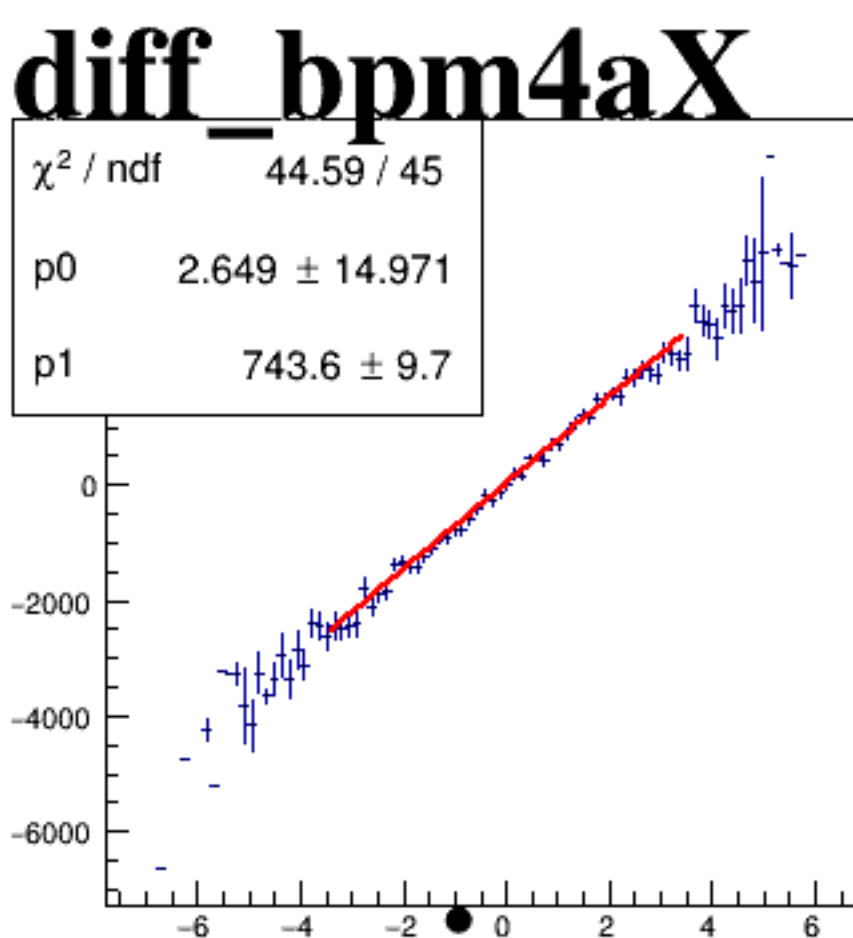
asym_sam4



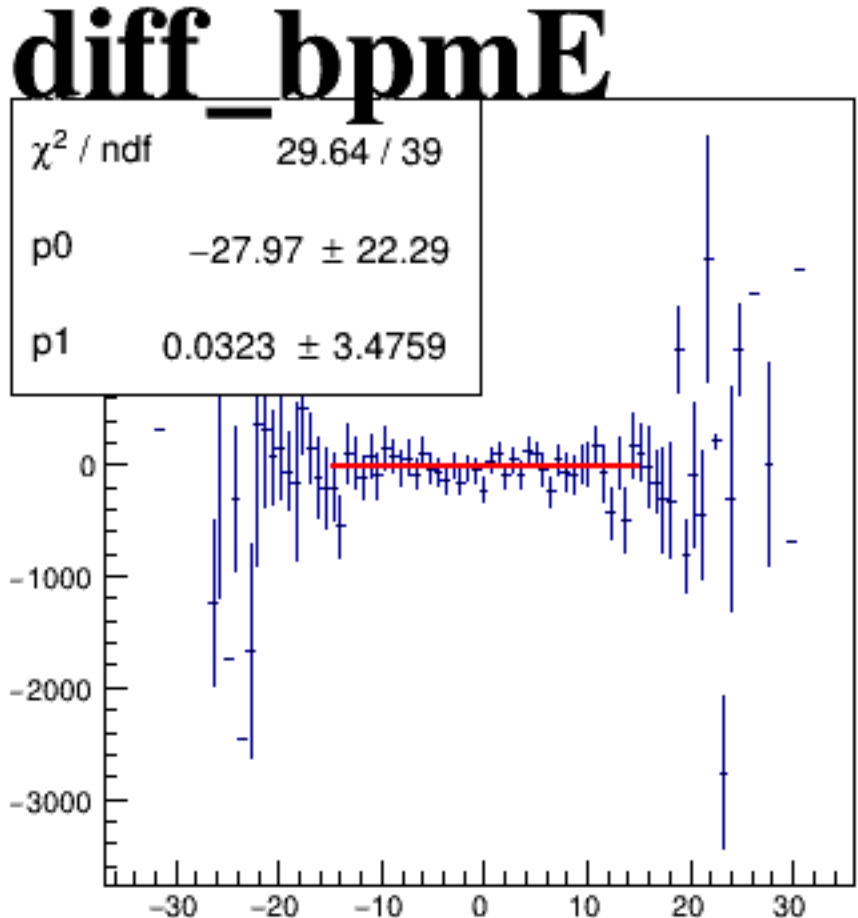
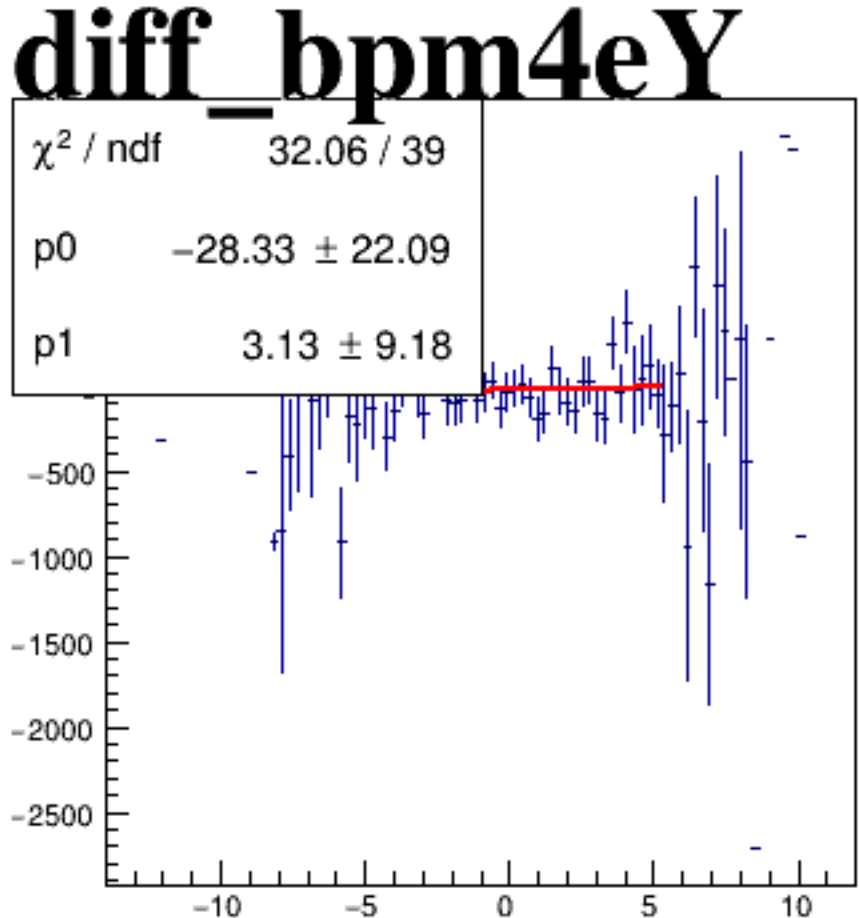
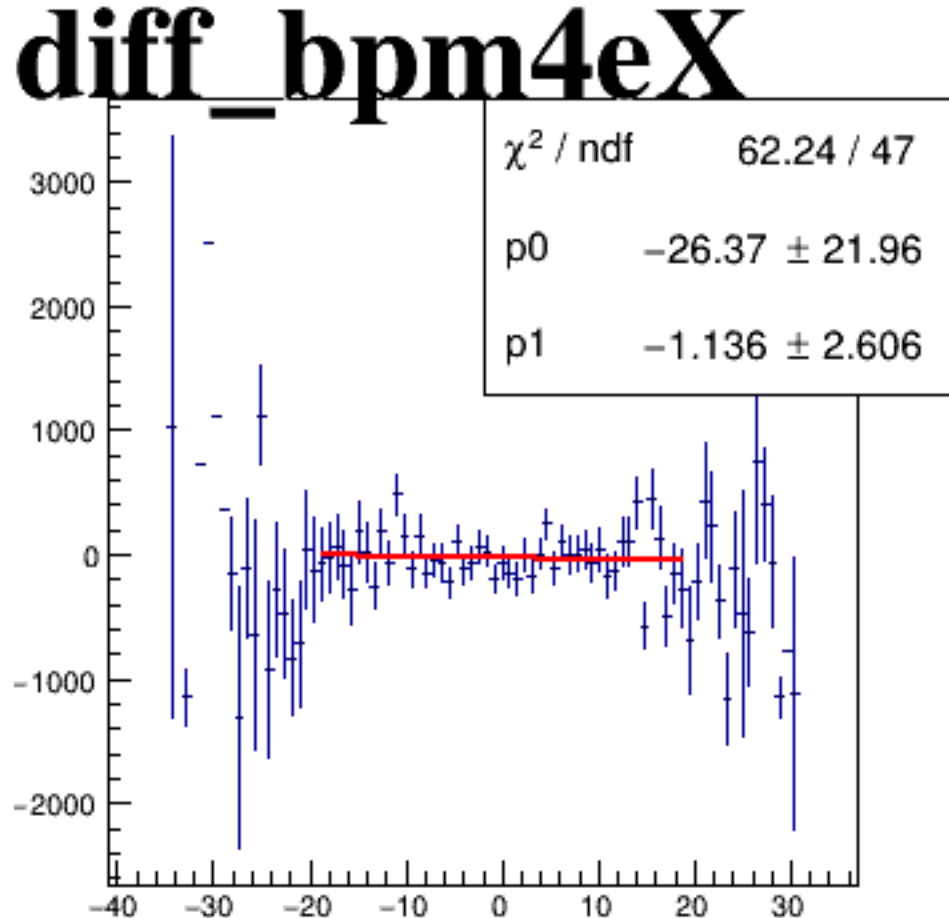
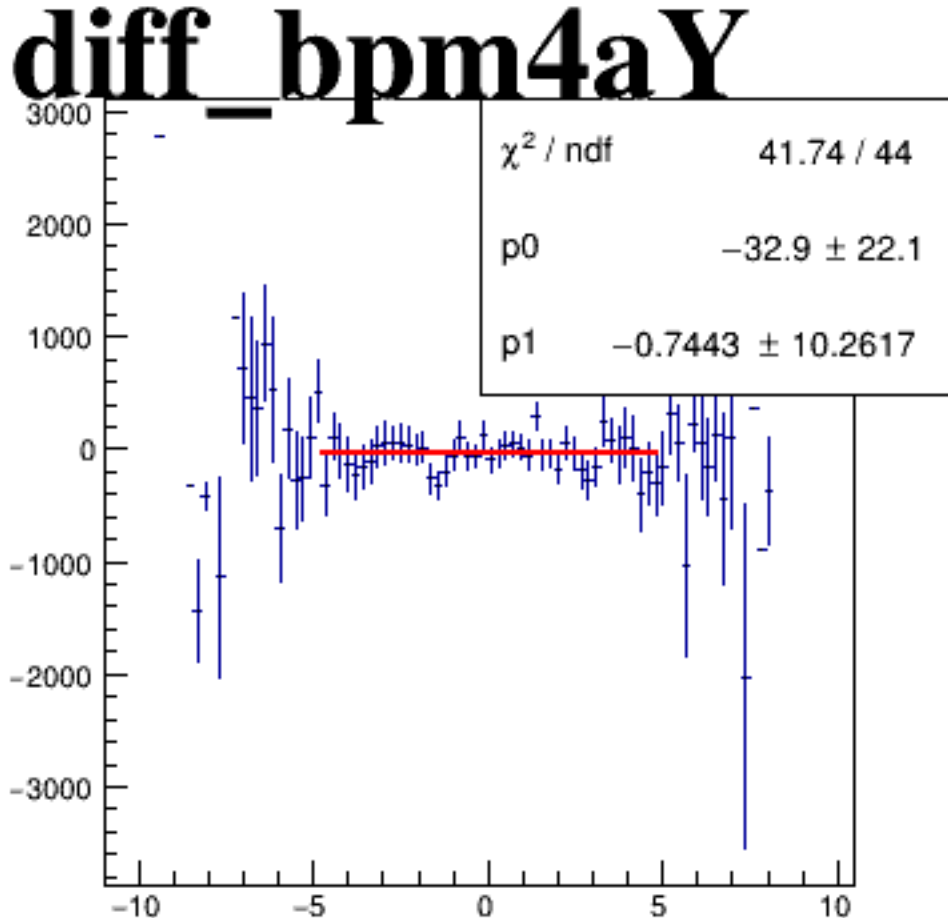
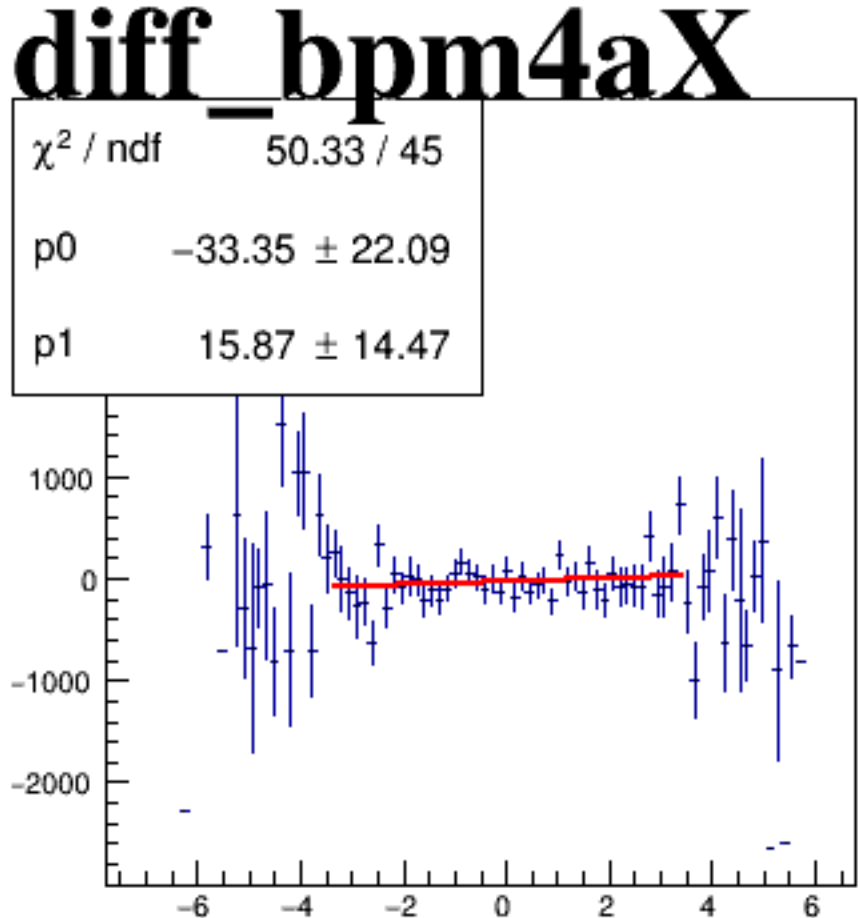
asym_sam6



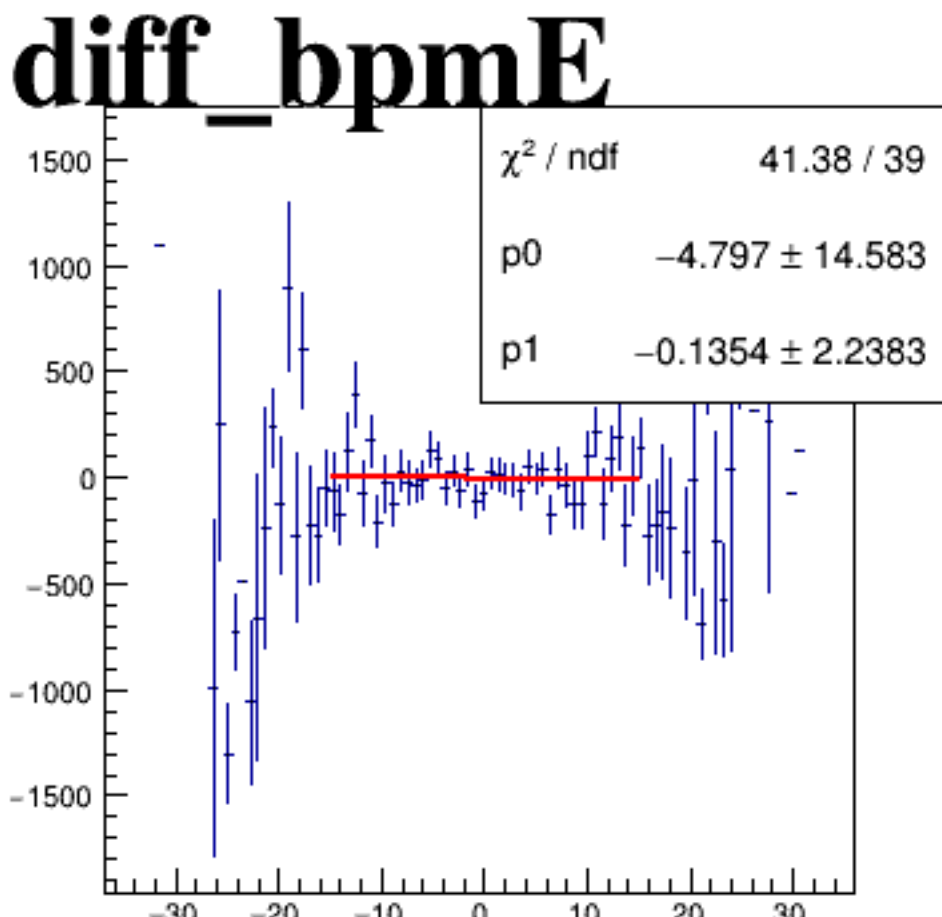
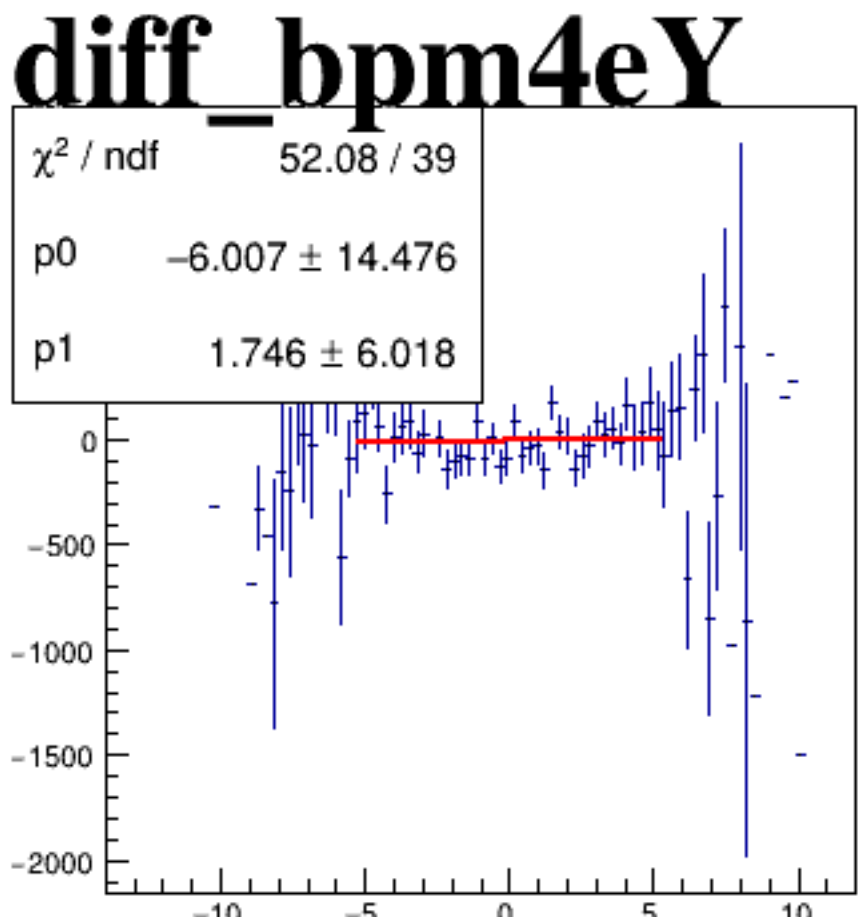
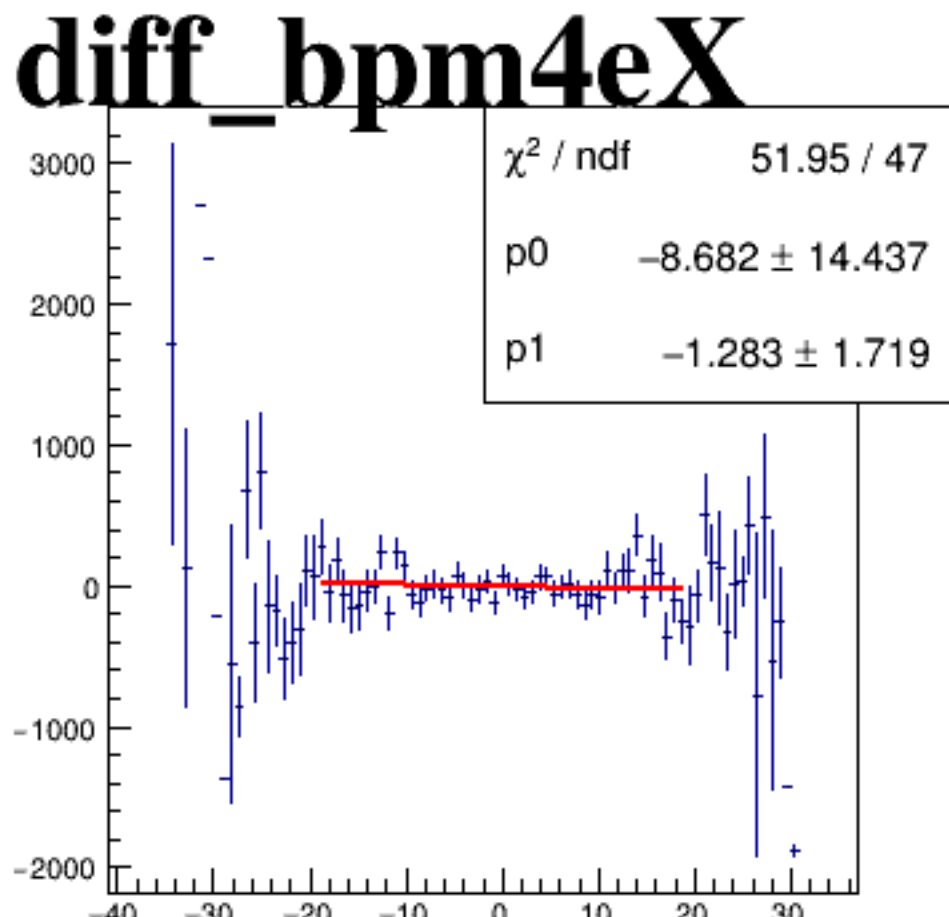
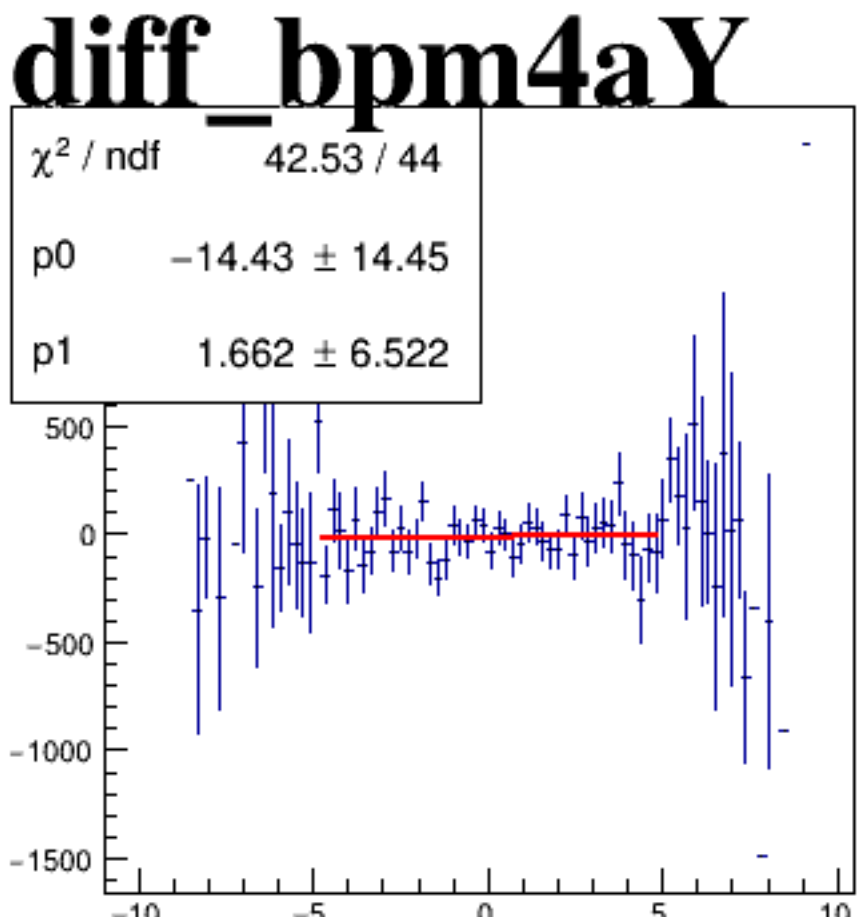
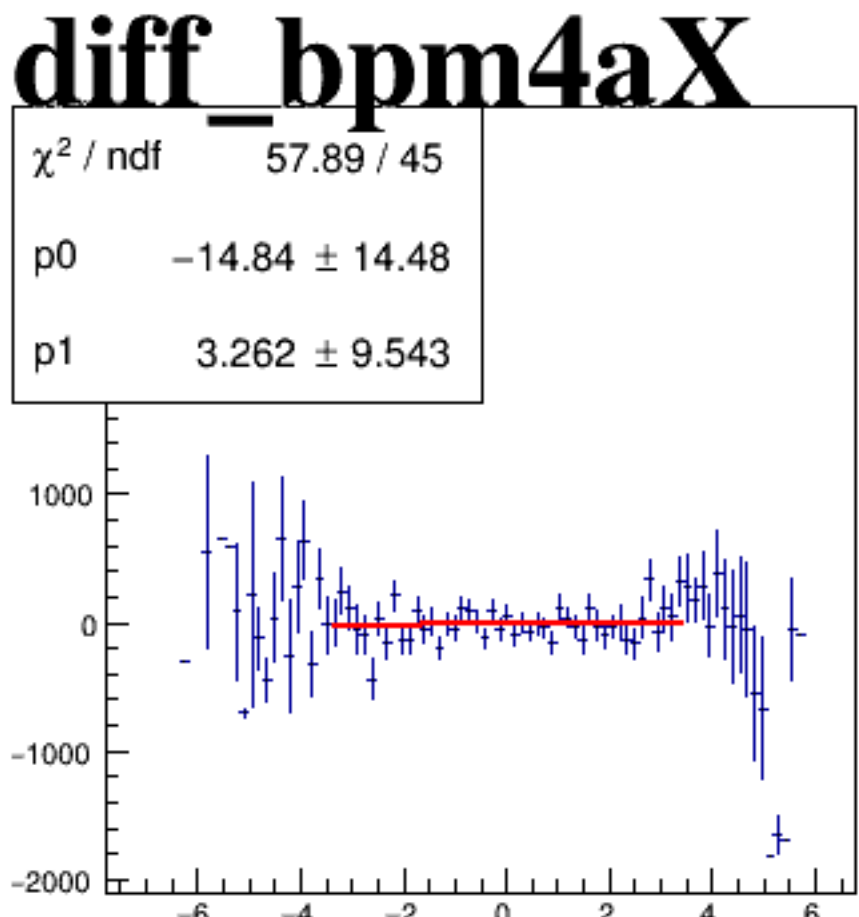
asym_sam8



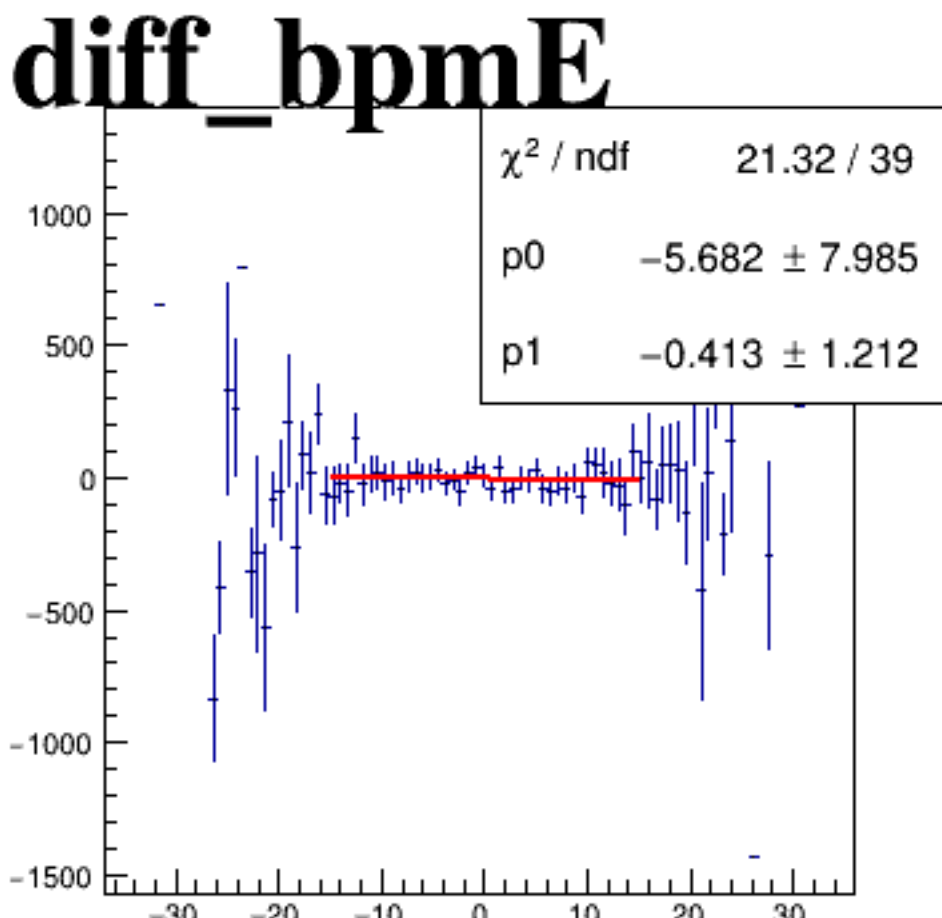
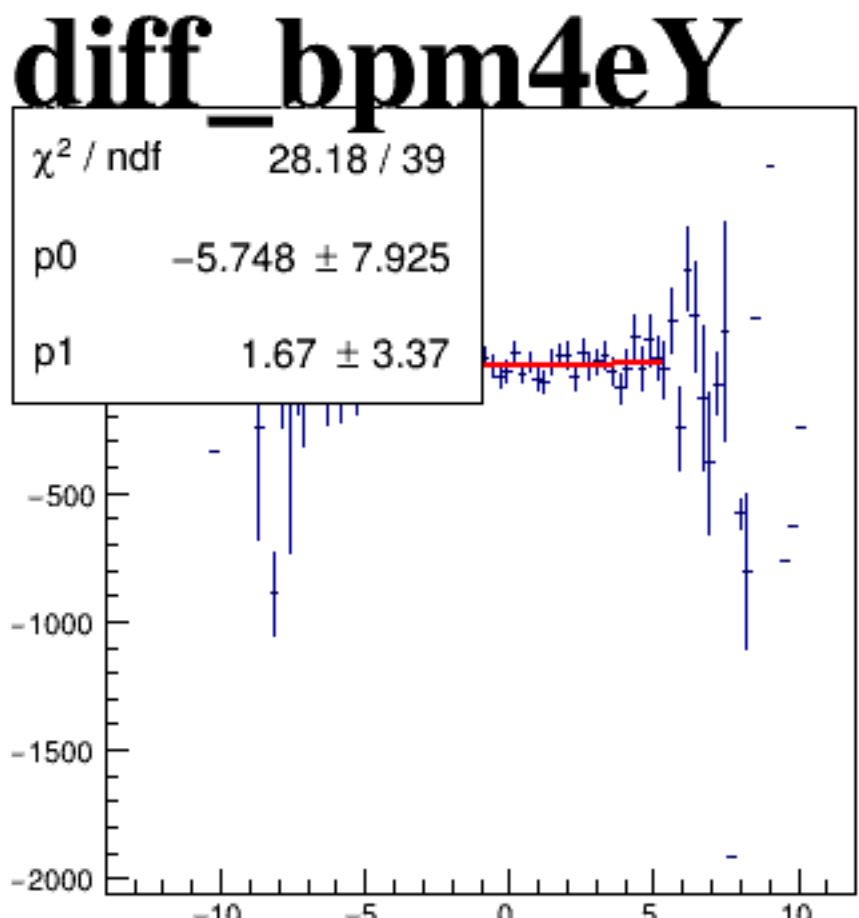
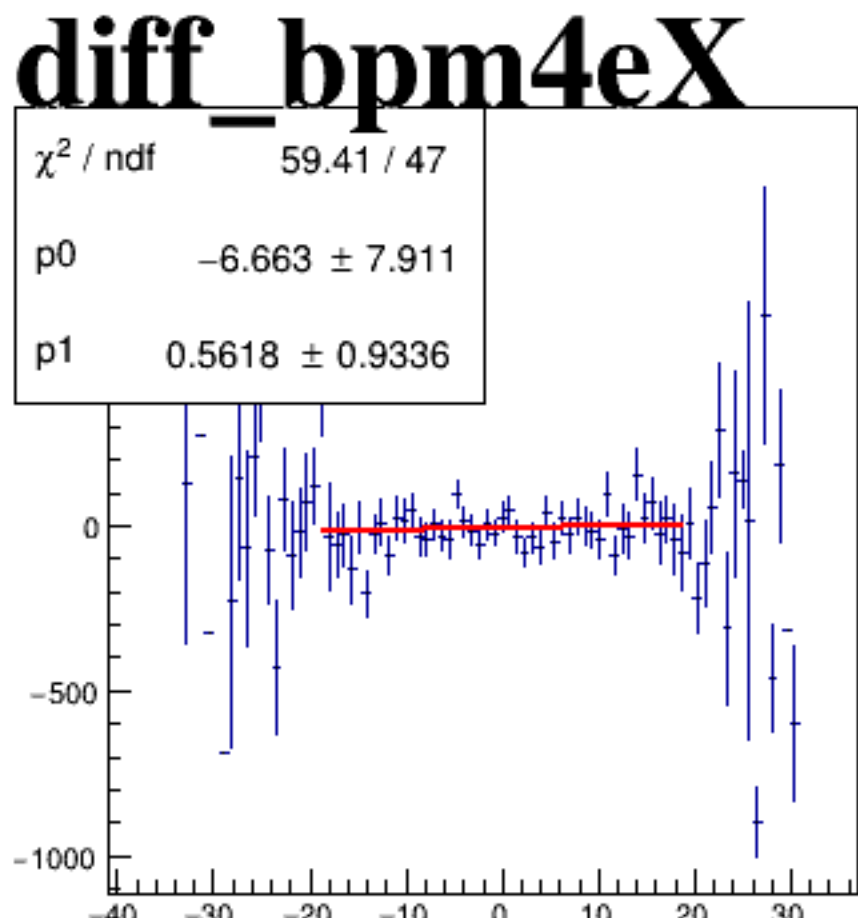
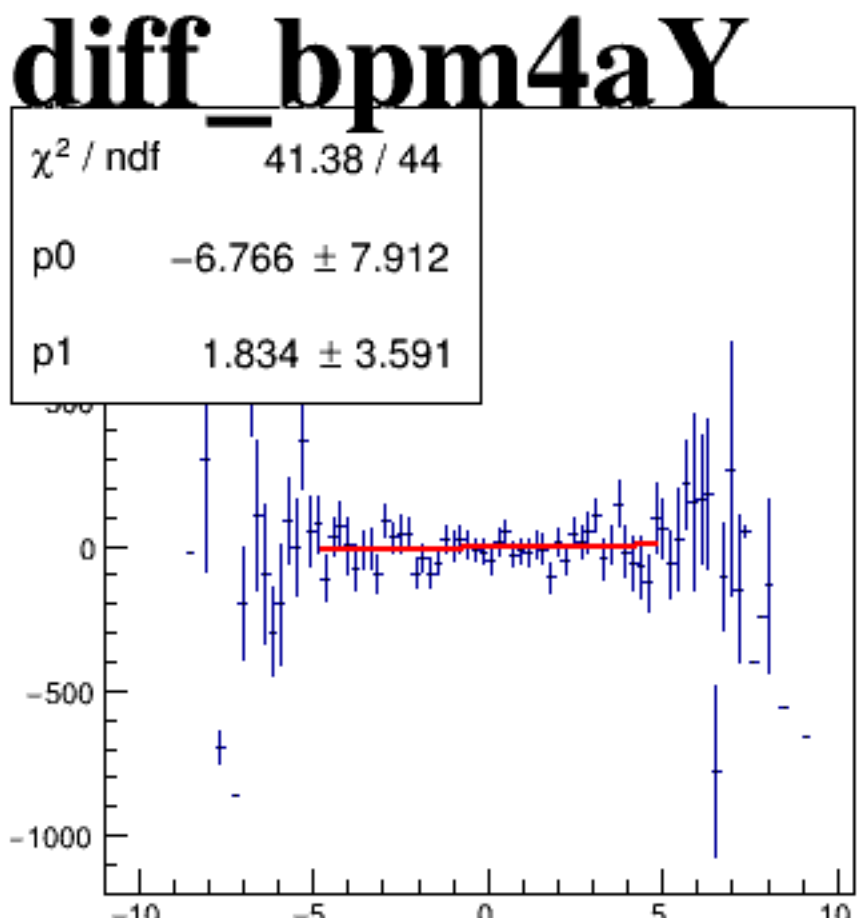
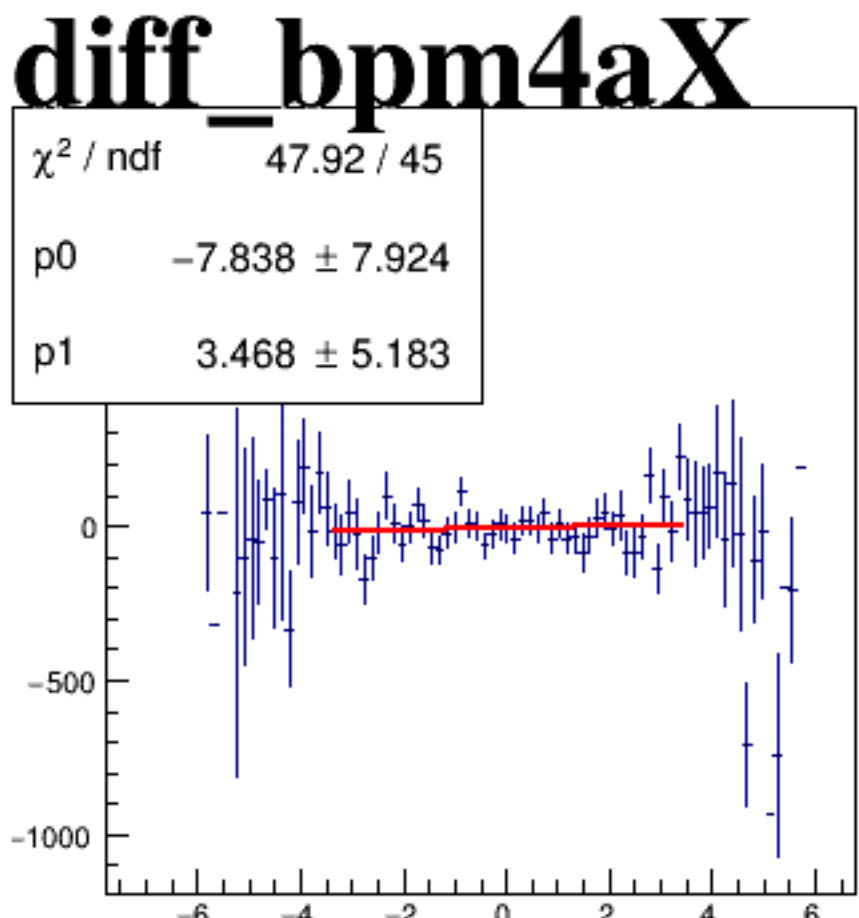
reg_asym_sam2



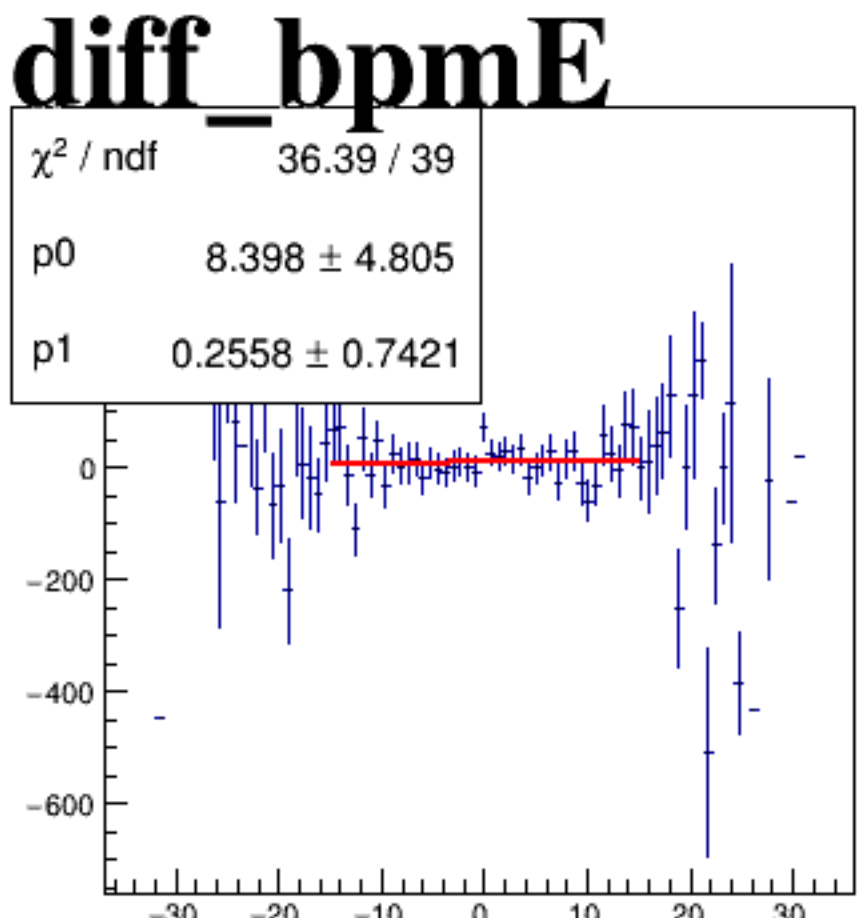
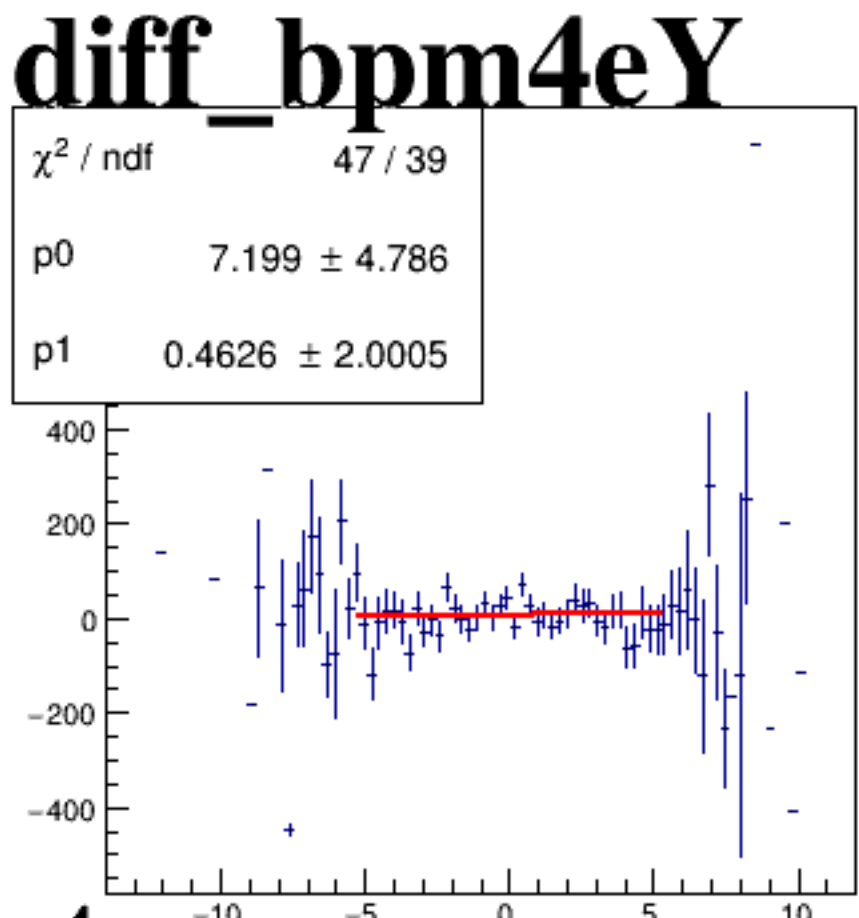
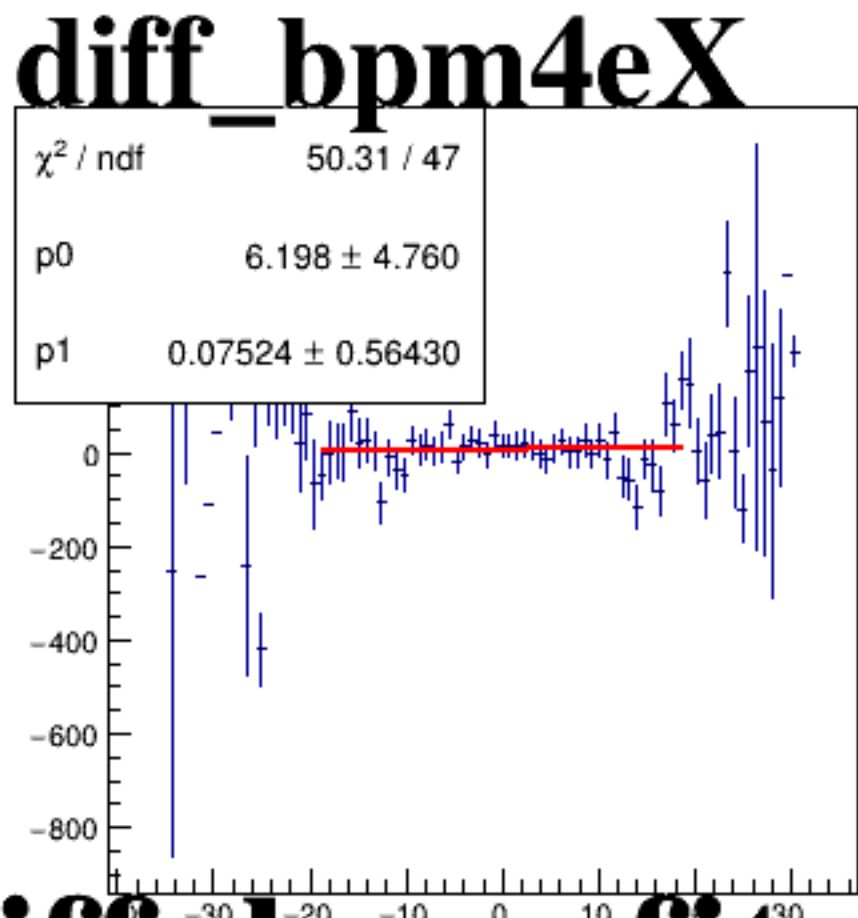
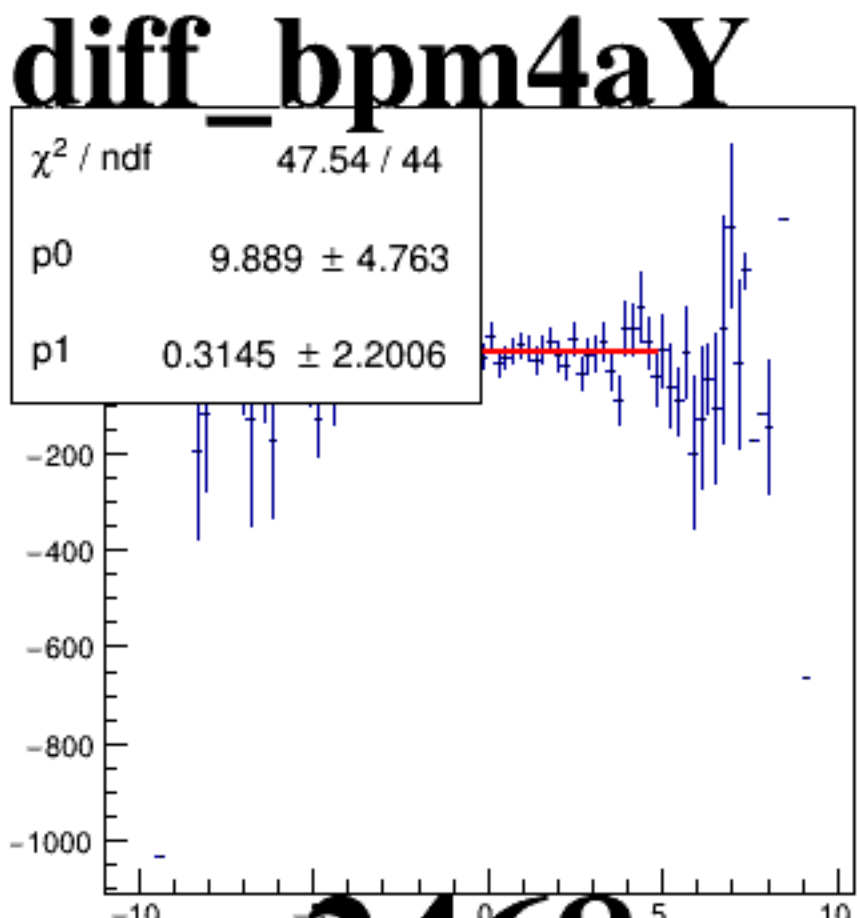
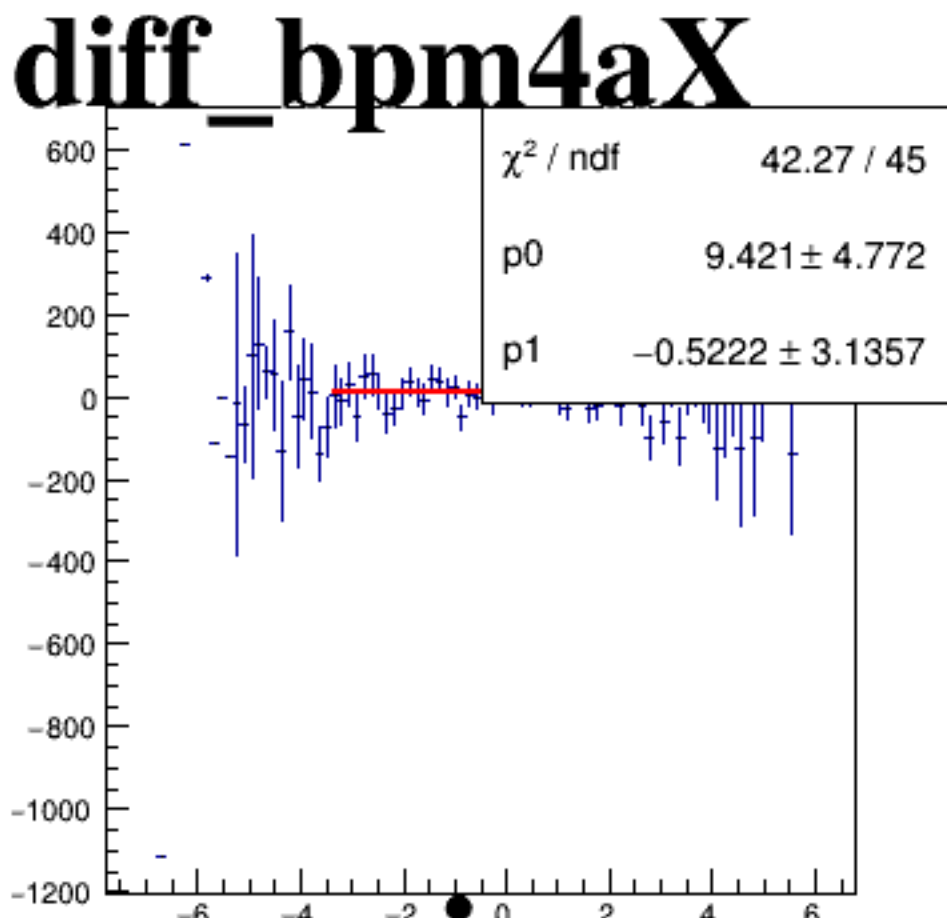
reg_asym_sam4



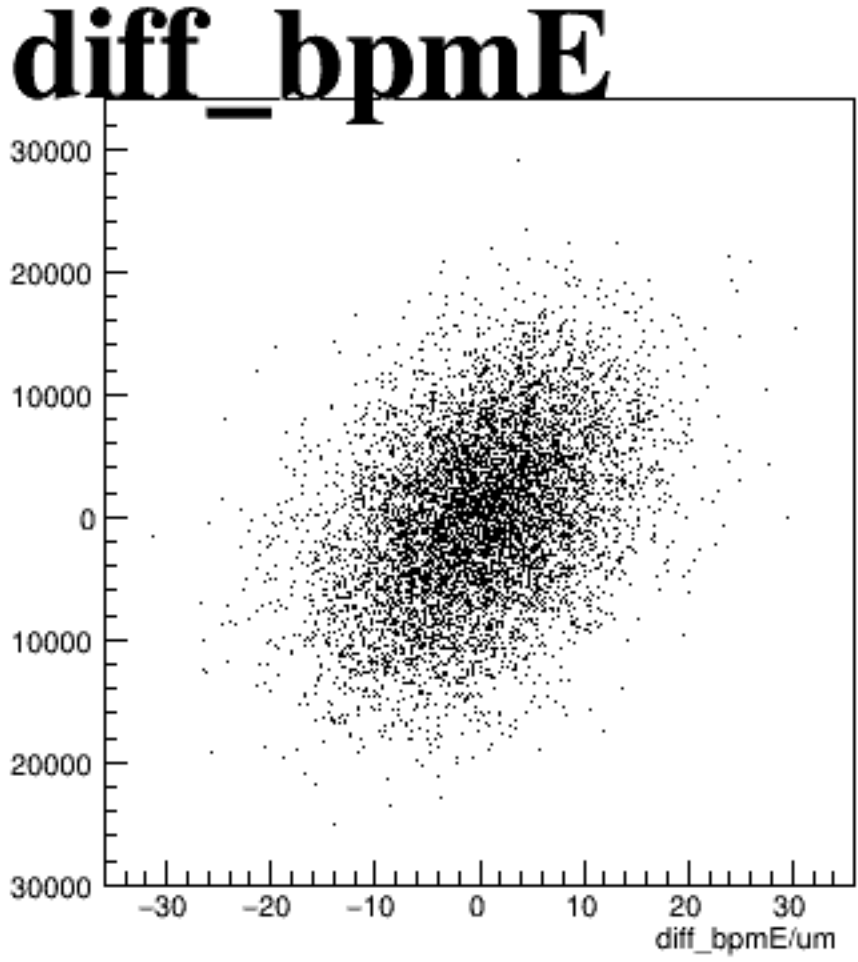
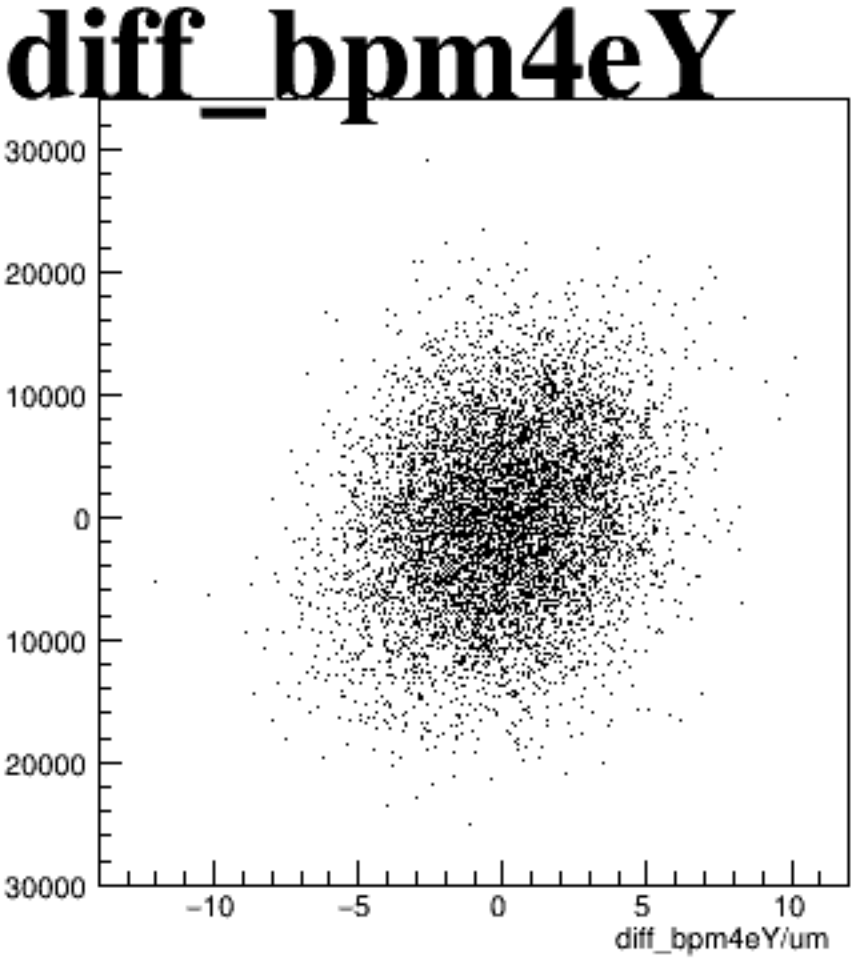
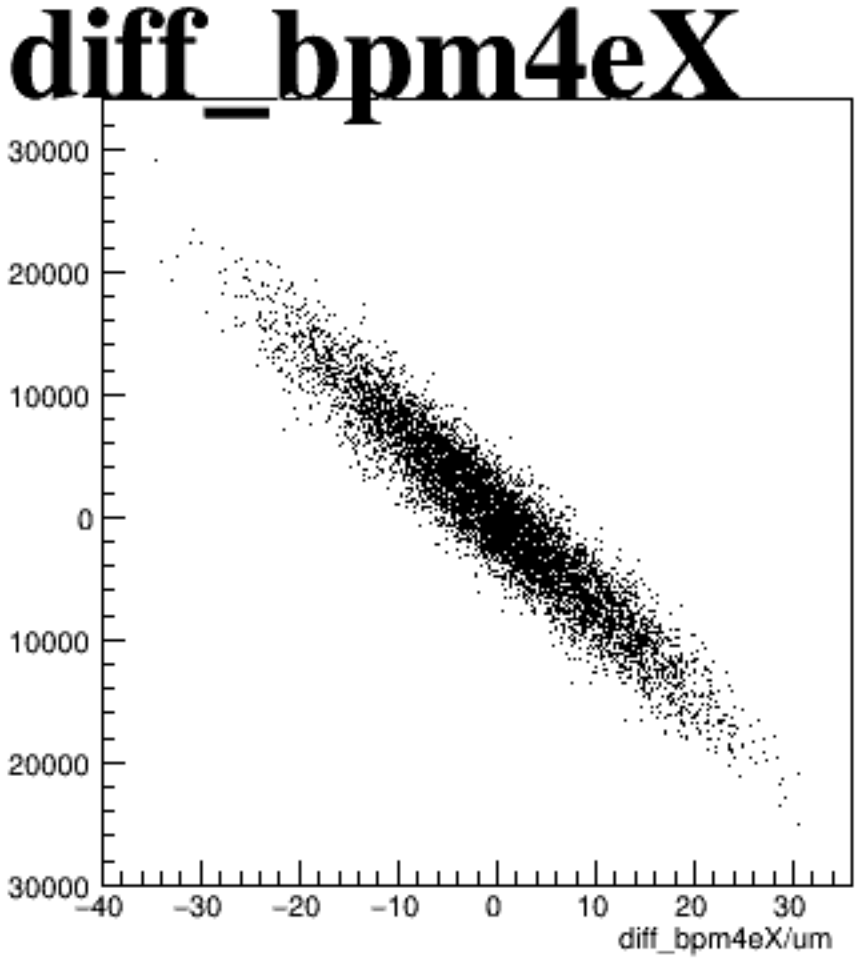
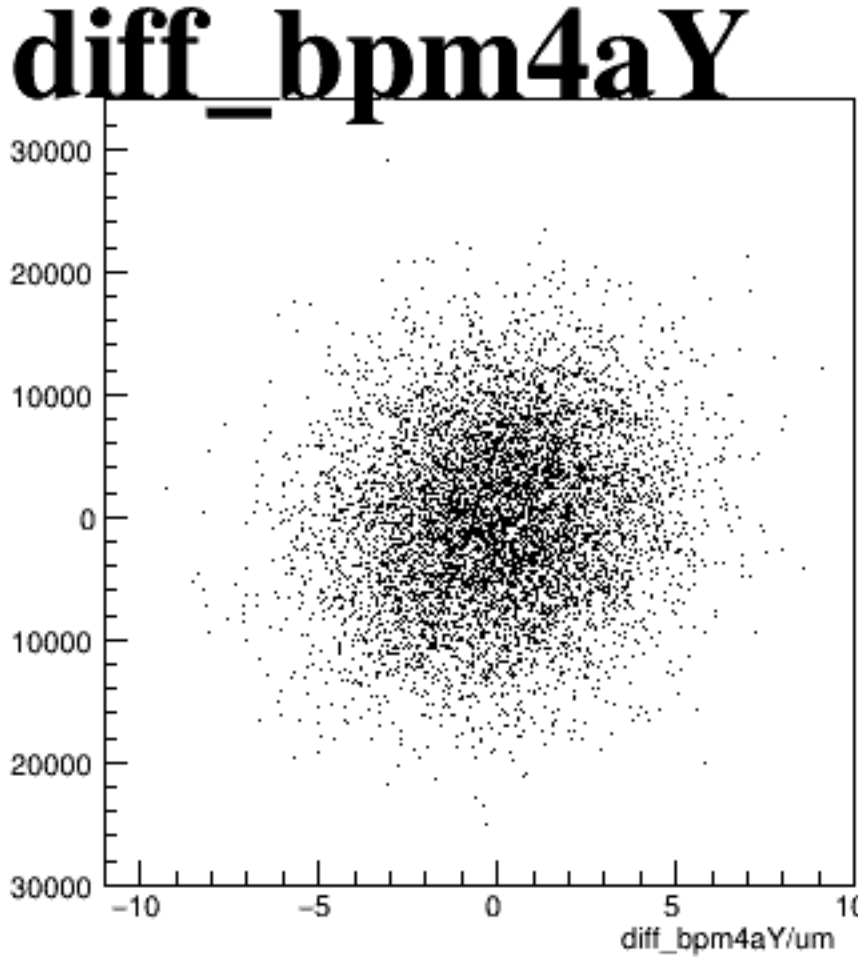
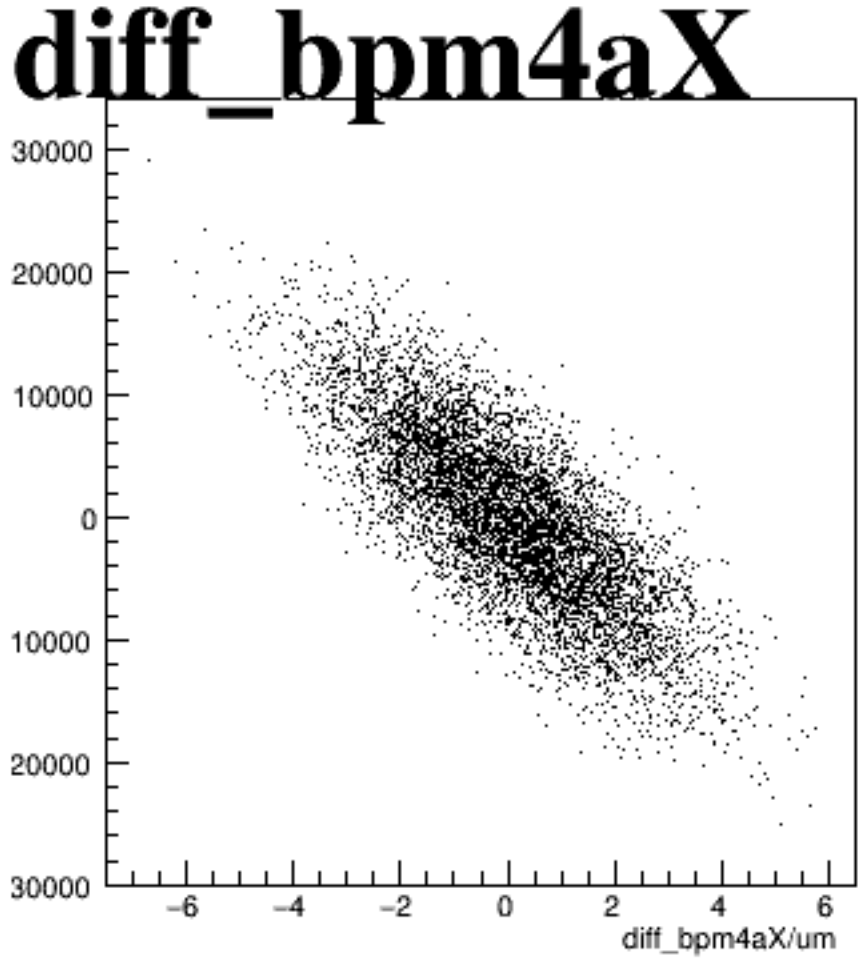
reg_asym_sam6



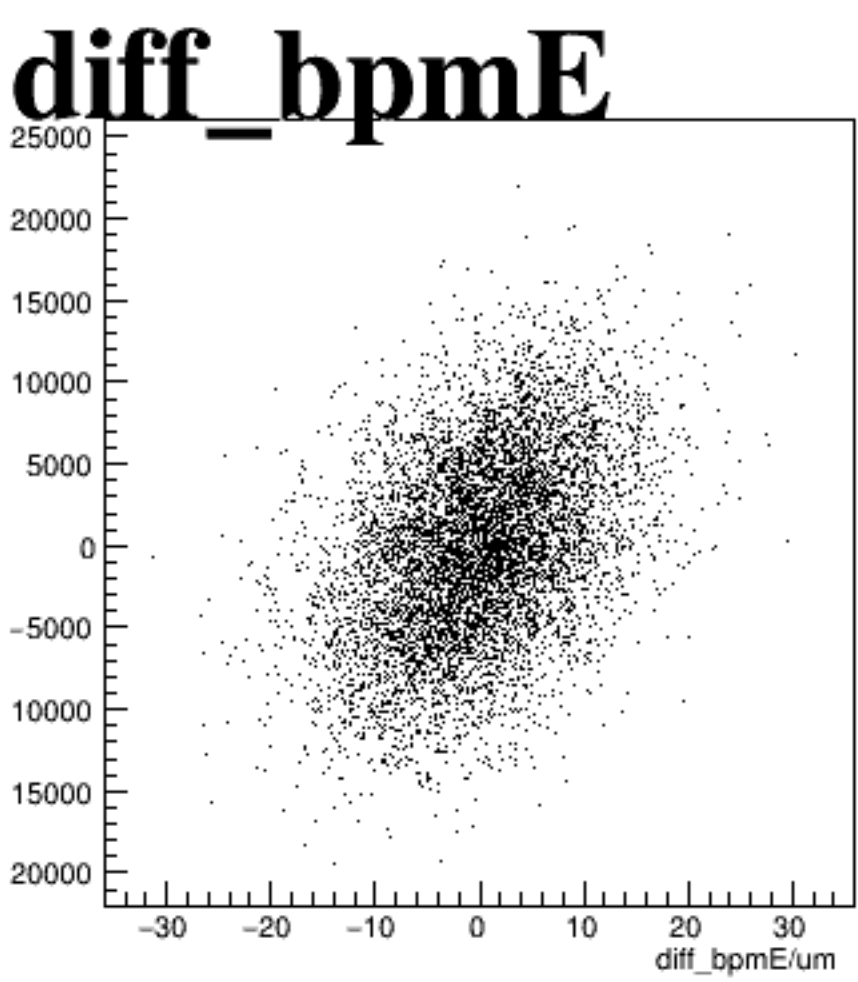
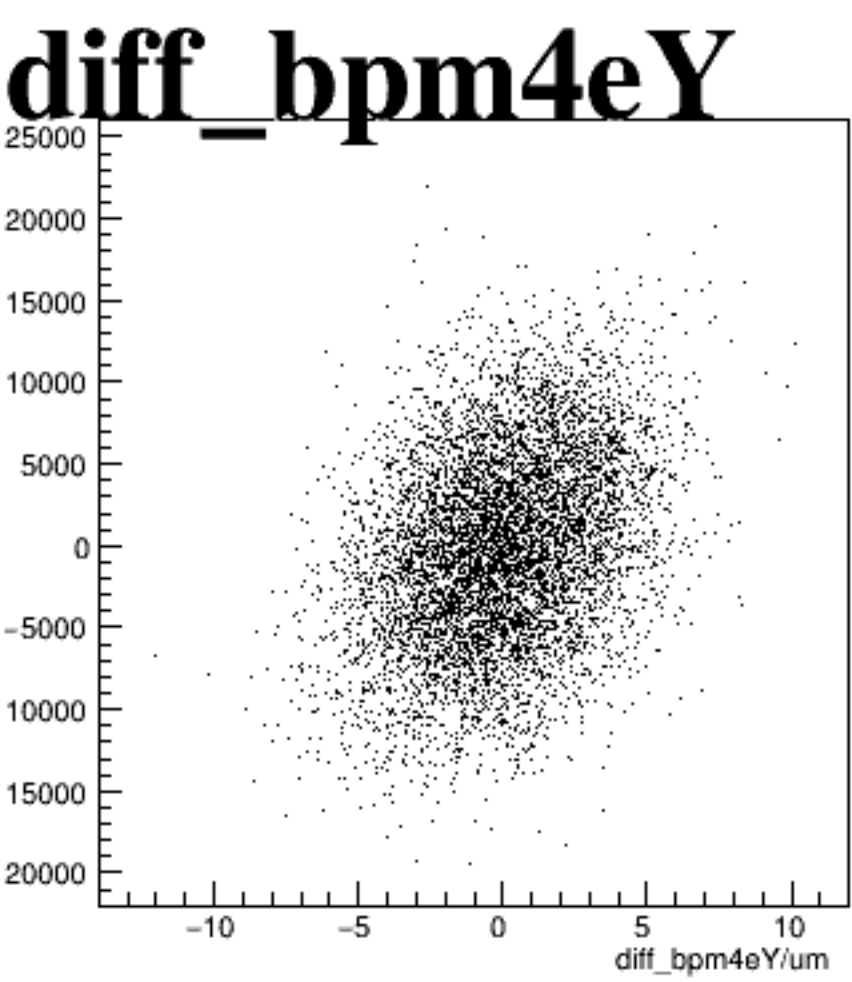
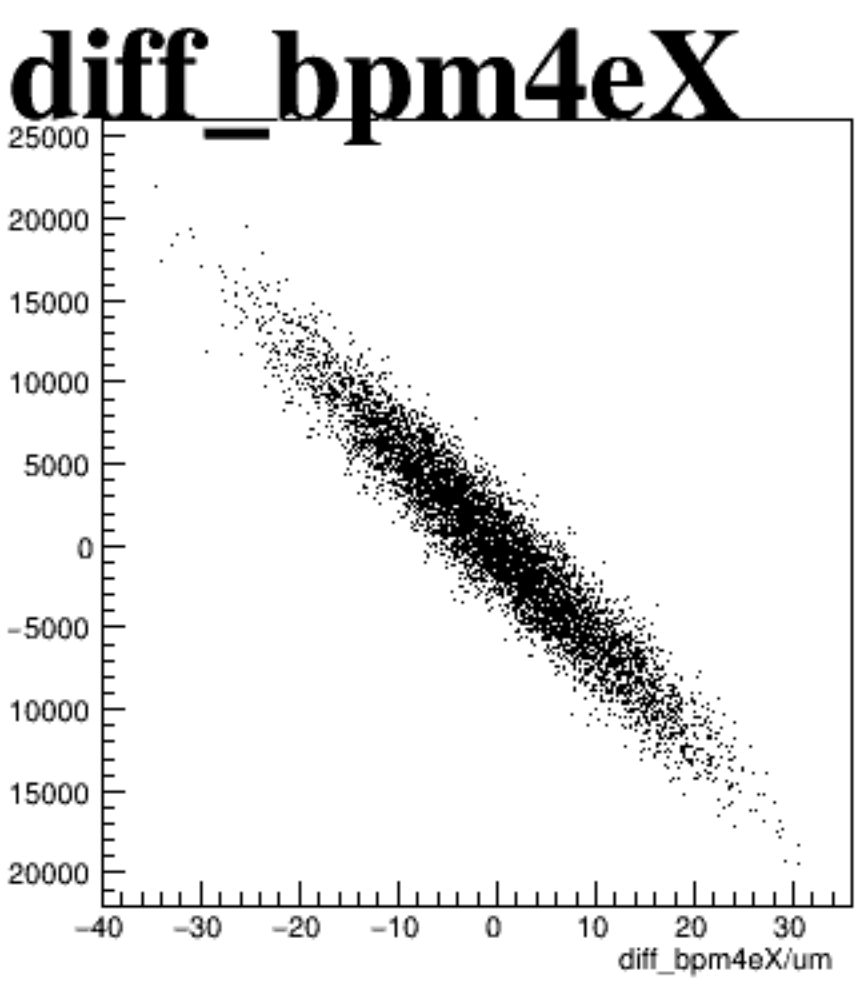
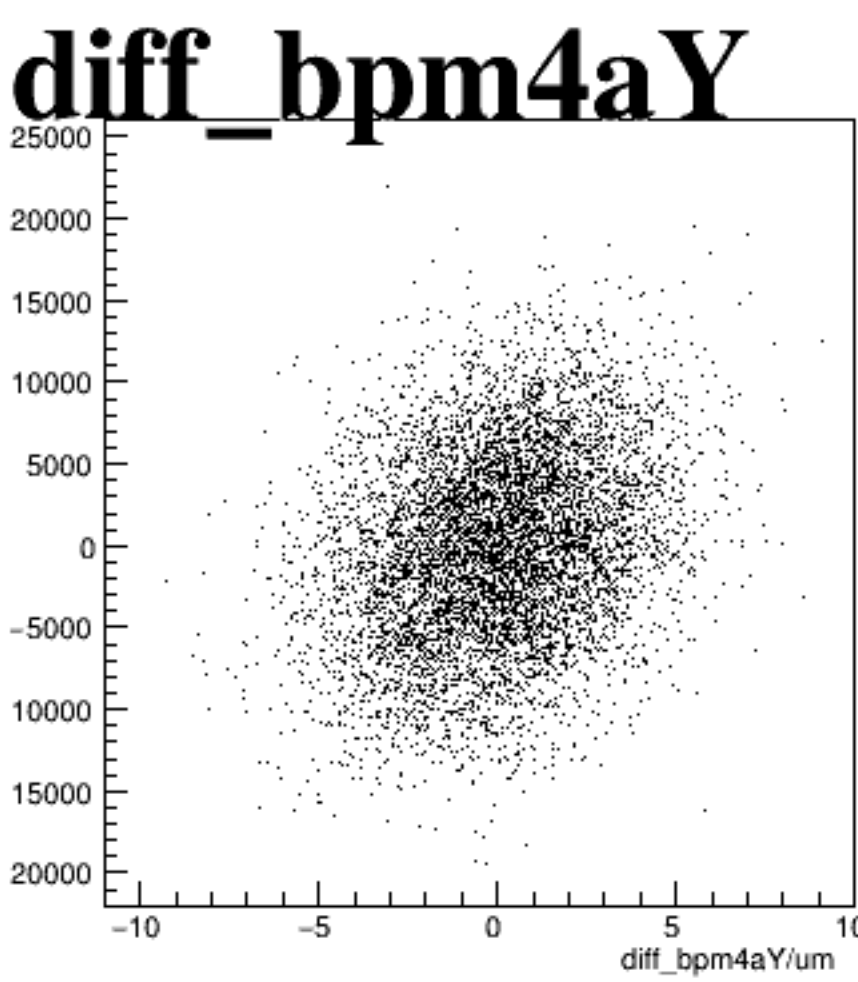
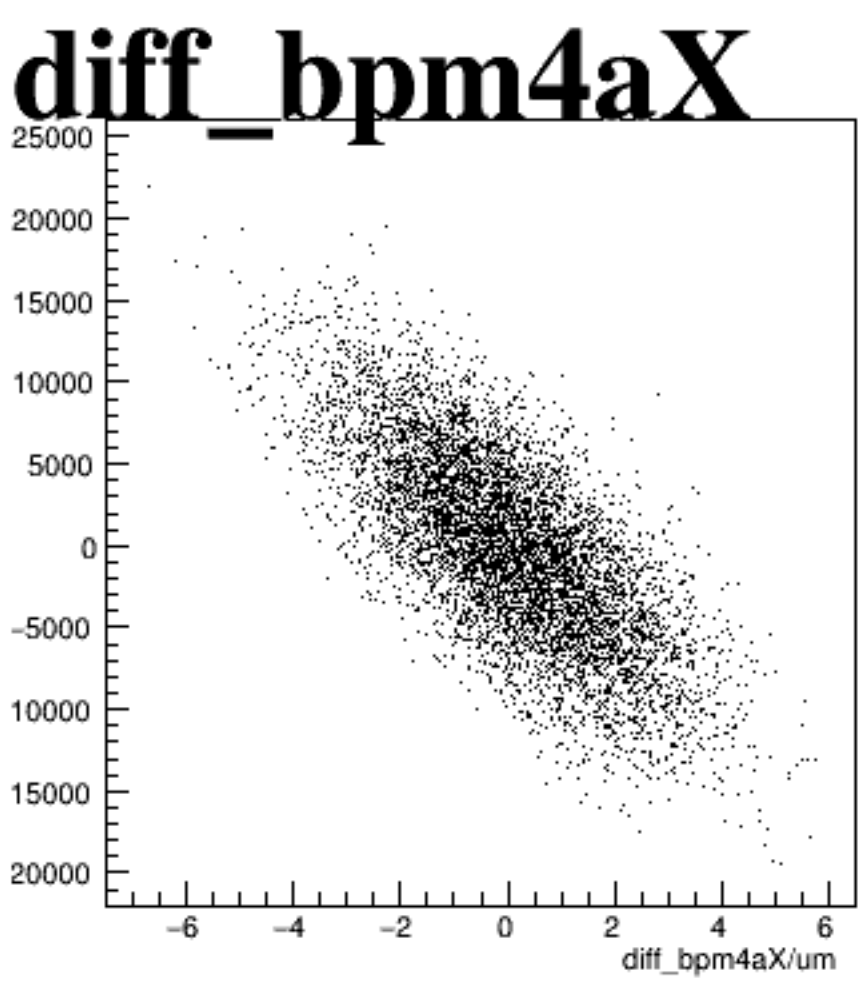
reg_asym_sam8



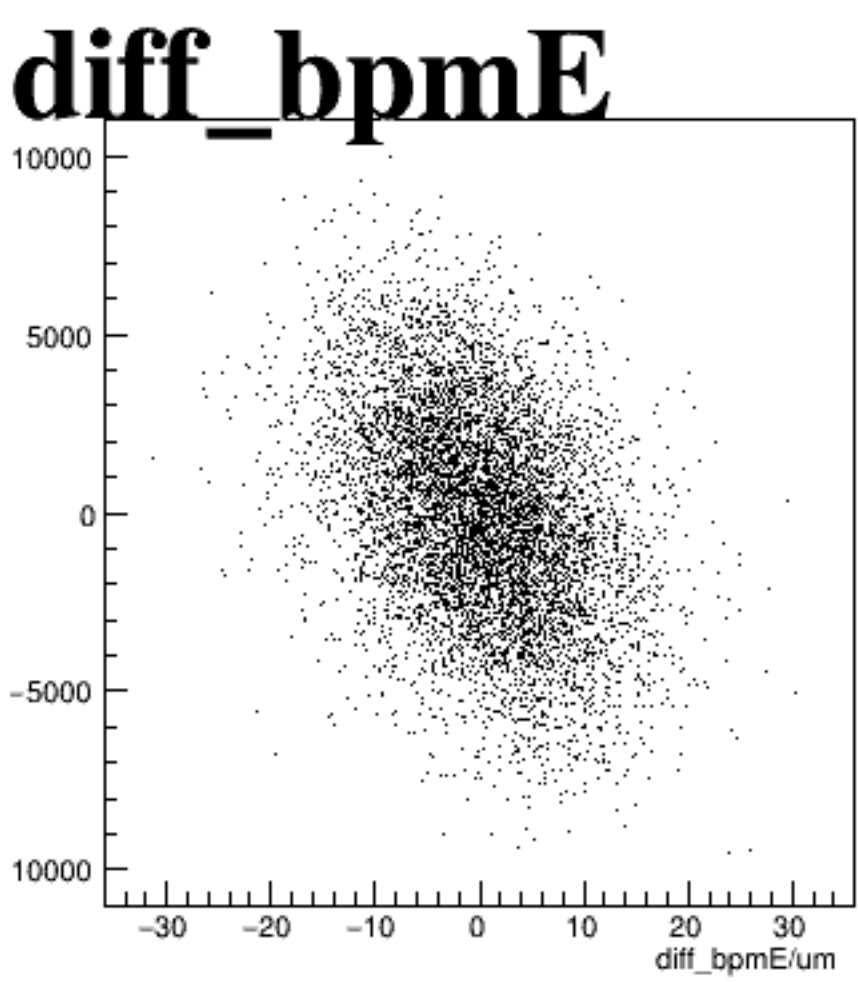
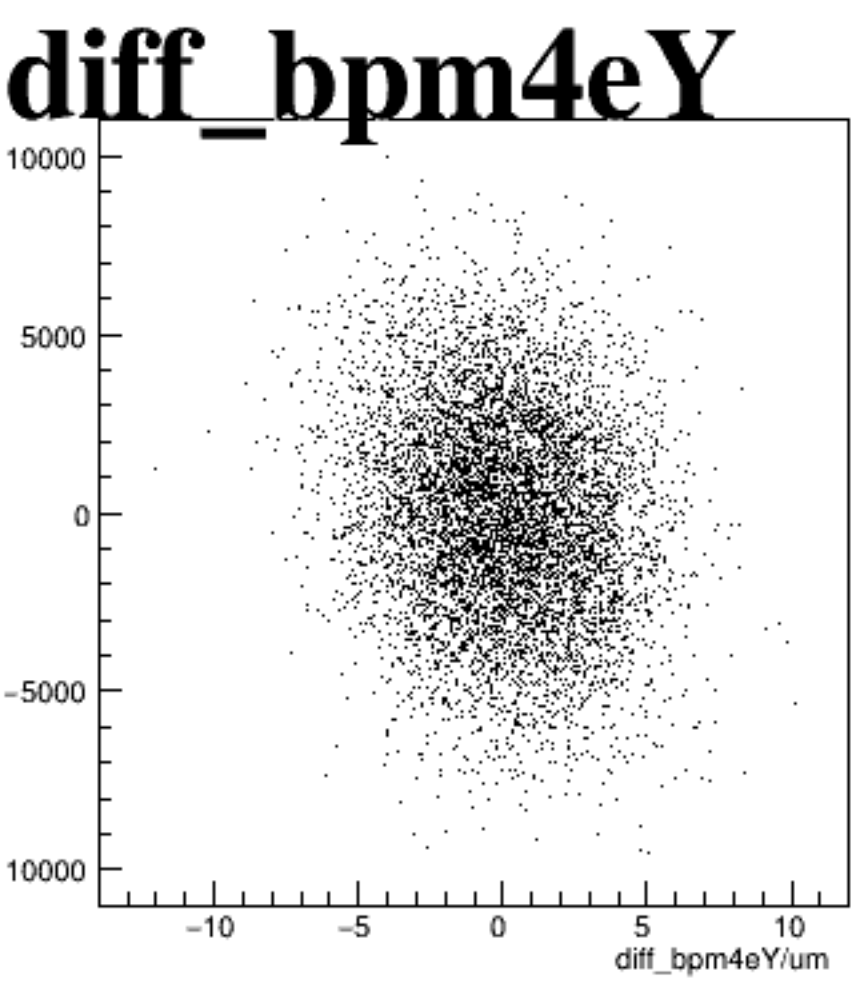
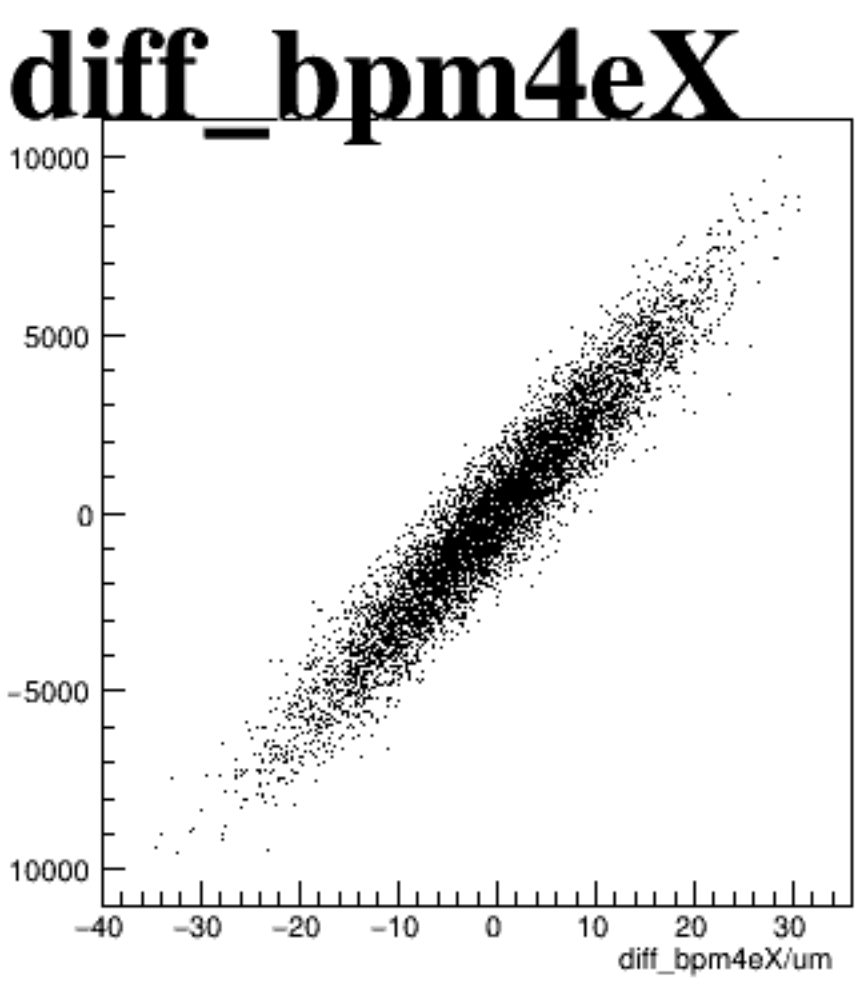
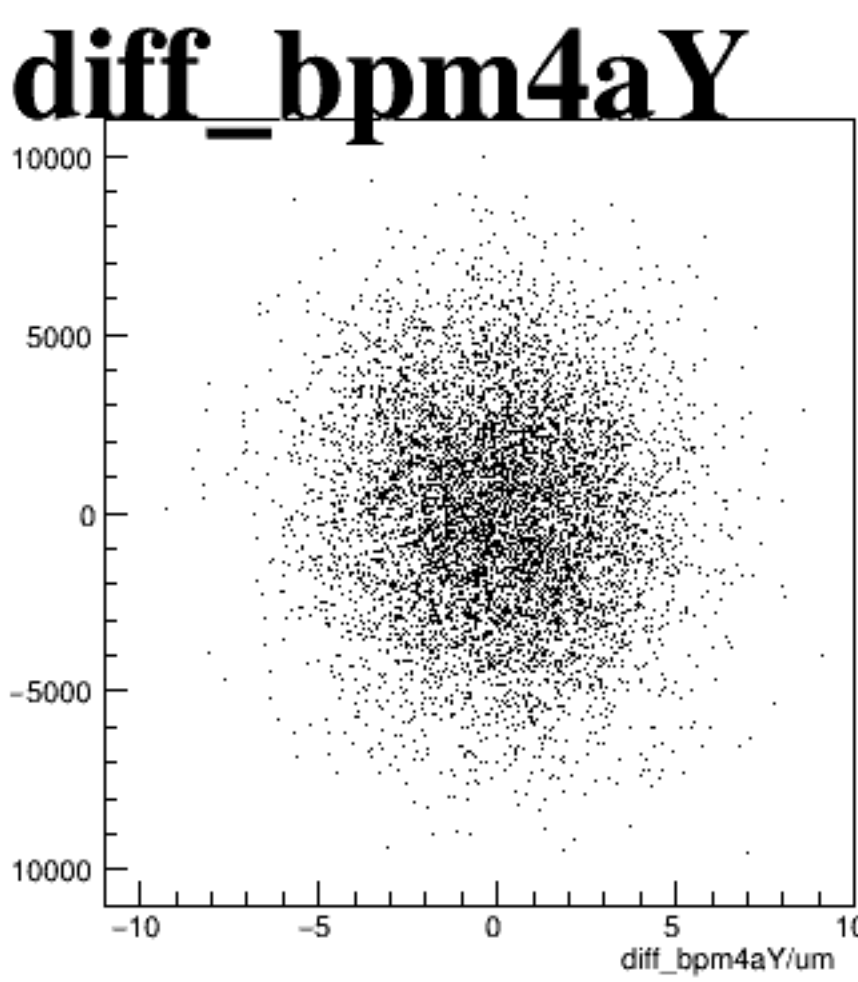
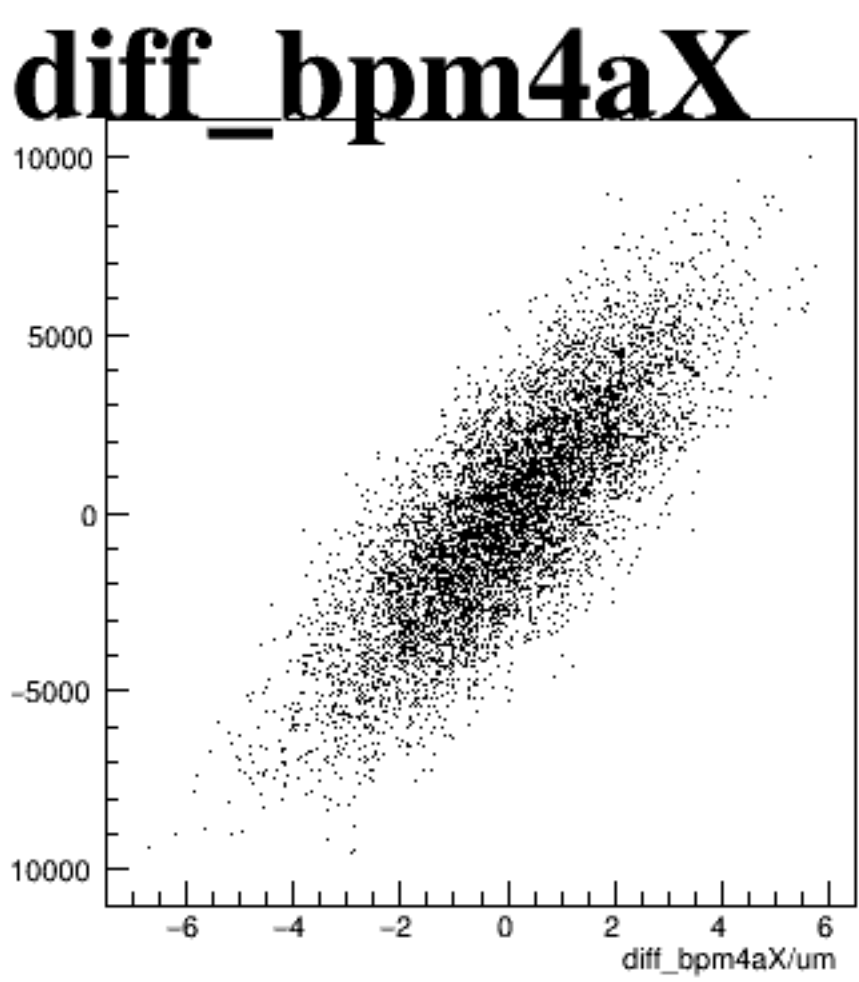
asym_sam2



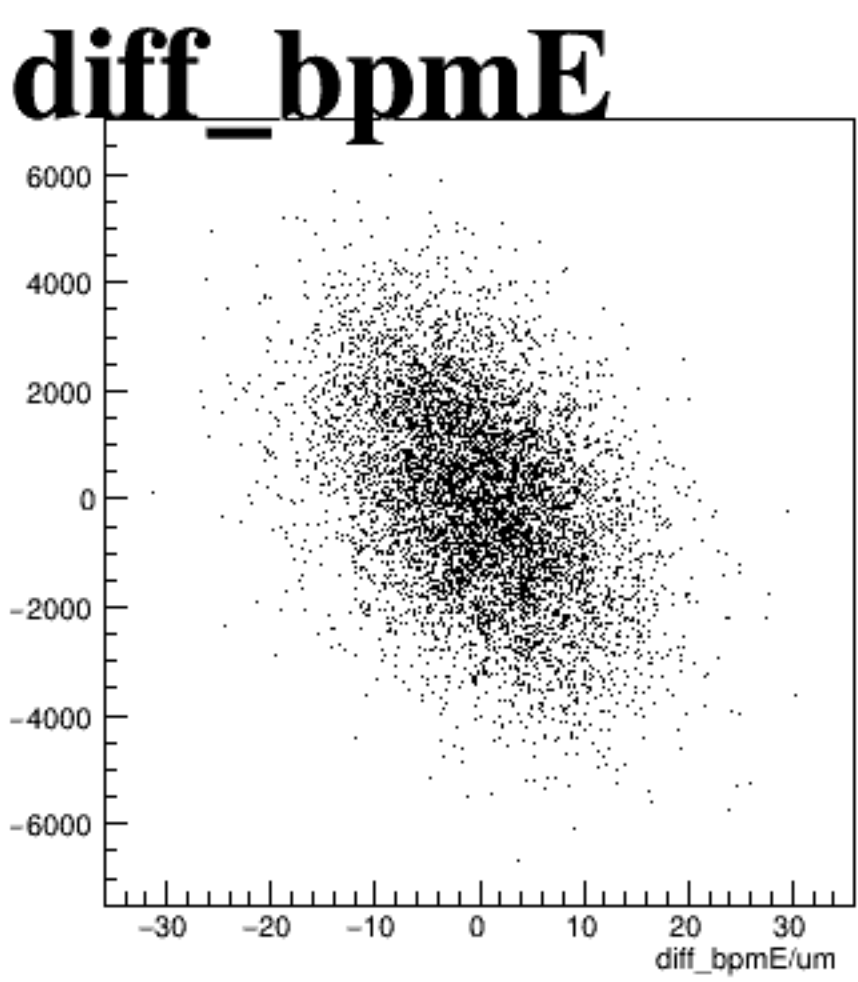
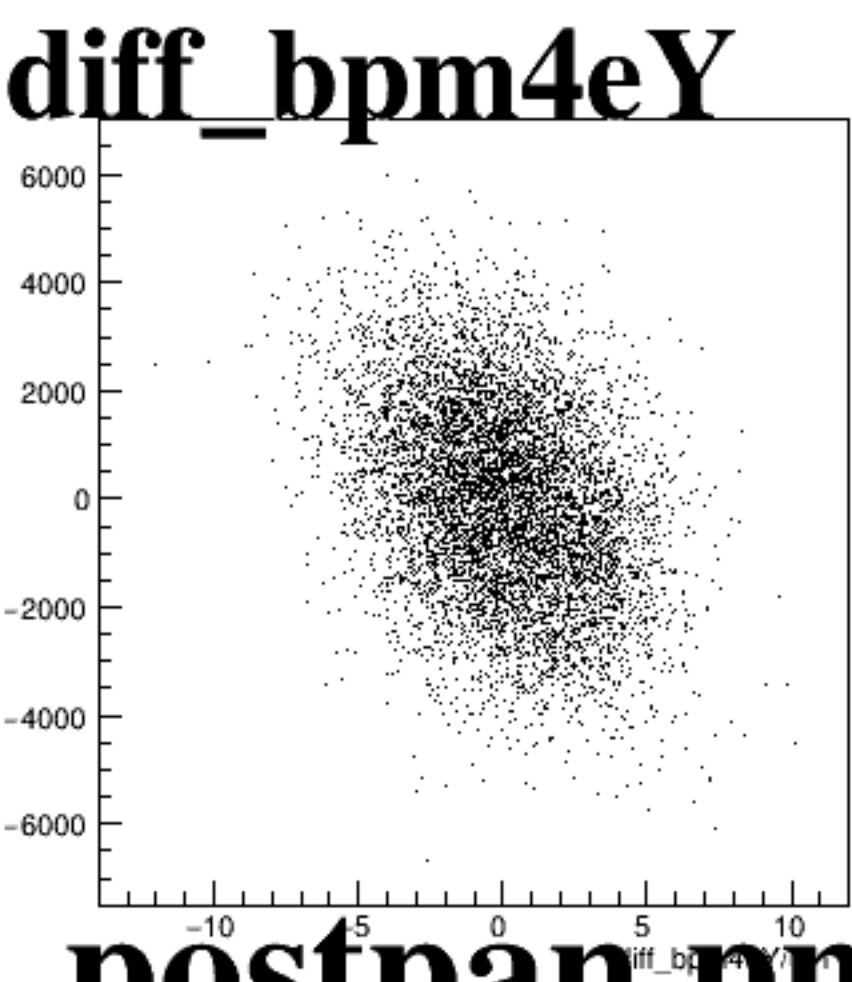
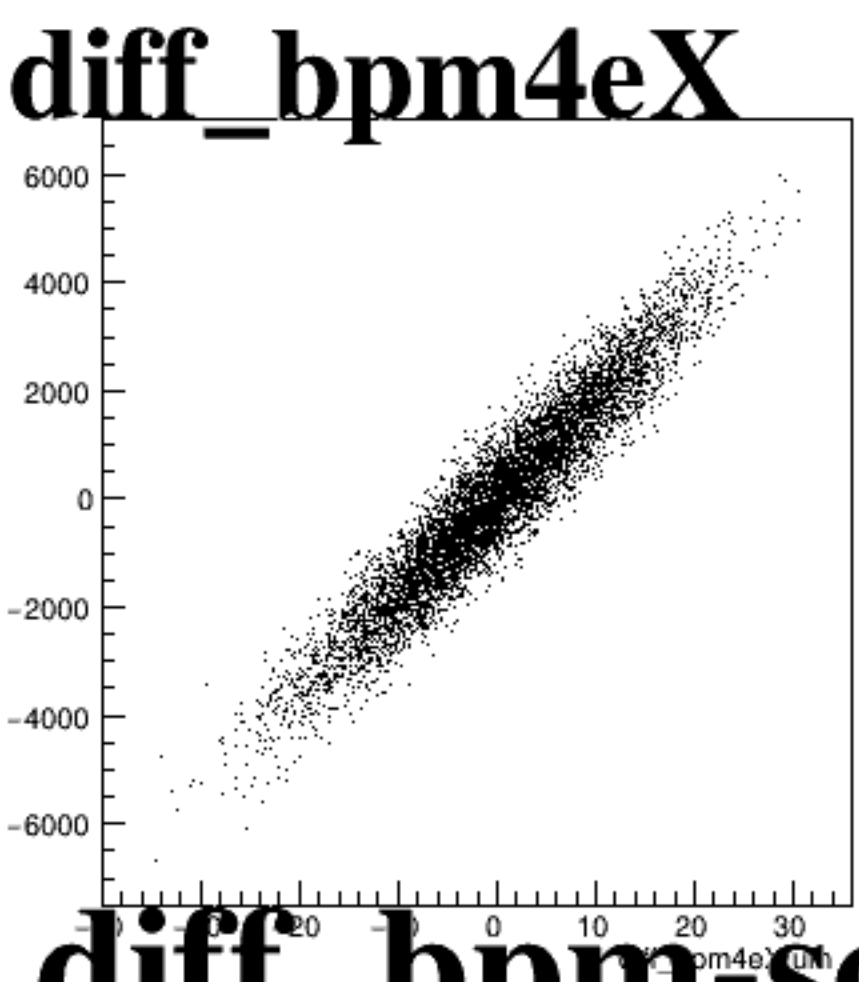
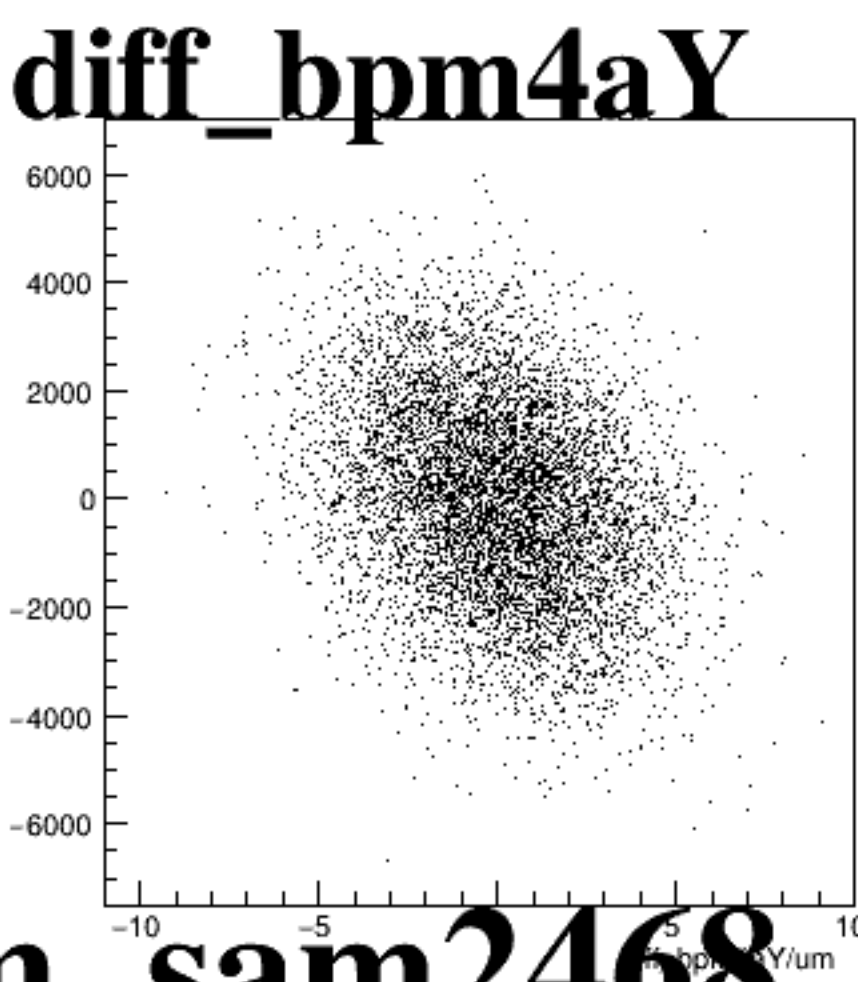
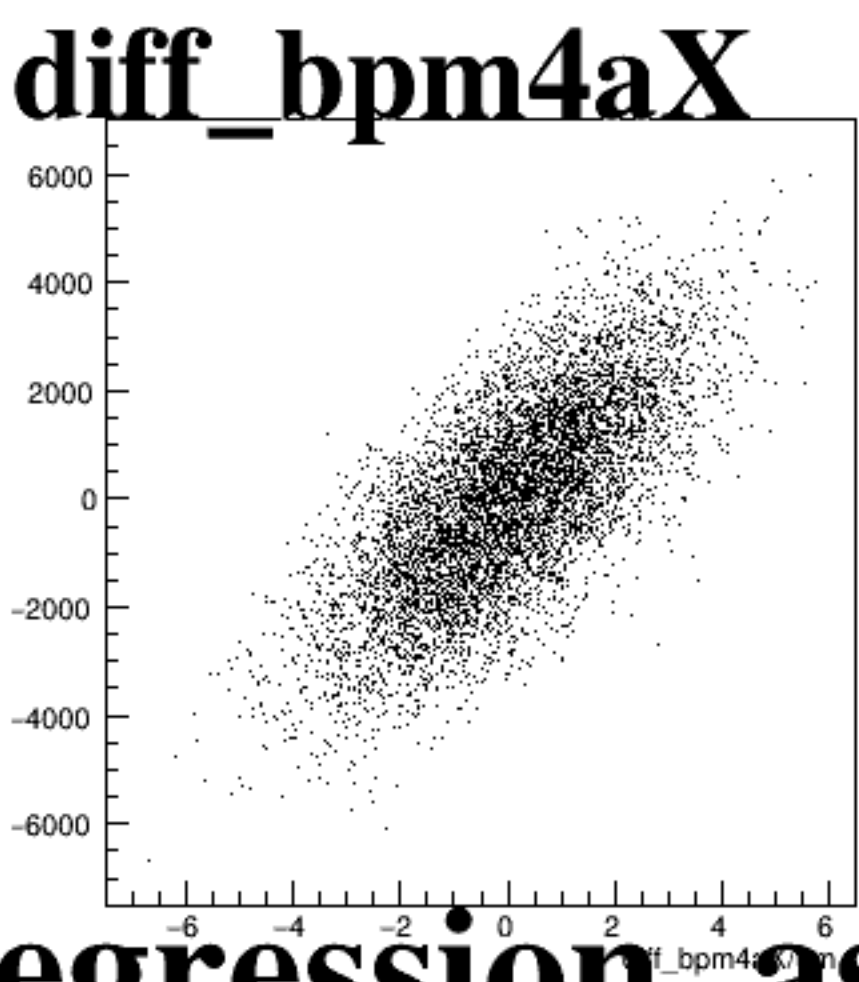
asym_sam4



asym_sam6



asym_sam8





diff_bpm4aX

diff_bpm4aY

diff_bpm4eX

diff_bpm4eY

diff_bpmE

The figure consists of five scatter plots arranged horizontally, each showing the distribution of differences in BPM coordinates for a specific beam position. The y-axis for all plots ranges from -3000 to 2000. The x-axis for each plot is labeled as follows:

- diff_bpm4aX**: x-axis ranges from -6 to 6.
- diff_bpm4aY**: x-axis ranges from -10 to 10.
- diff_bpm4eX**: x-axis ranges from -40 to 30.
- diff_bpm4eY**: x-axis ranges from -10 to 10.
- diff_bpmE**: x-axis ranges from -30 to 30.

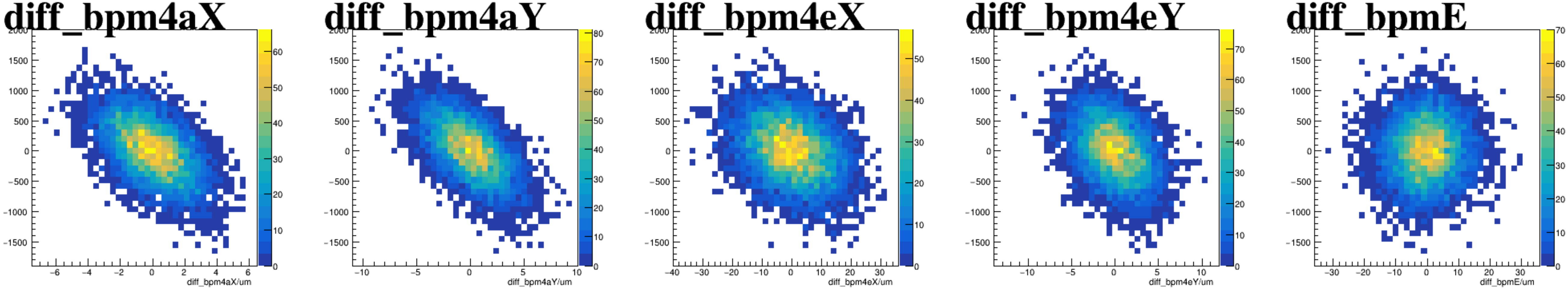
Each plot displays a dense cloud of points centered around the origin (0,0), indicating a Gaussian-like distribution of differences. The spread of the data points varies significantly between the different beam positions, with the 'diff_bpm4eX' plot showing the widest spread along the x-axis.

The figure consists of five scatter plots arranged horizontally, each showing the difference in BPM (diff_bpm) for a specific parameter. The y-axis for all plots is labeled 'diff_bpm' and ranges from -1500 to 1500. The x-axis for all plots is labeled 'diff_bpm' and ranges from -10 to 10. The plots are titled as follows:

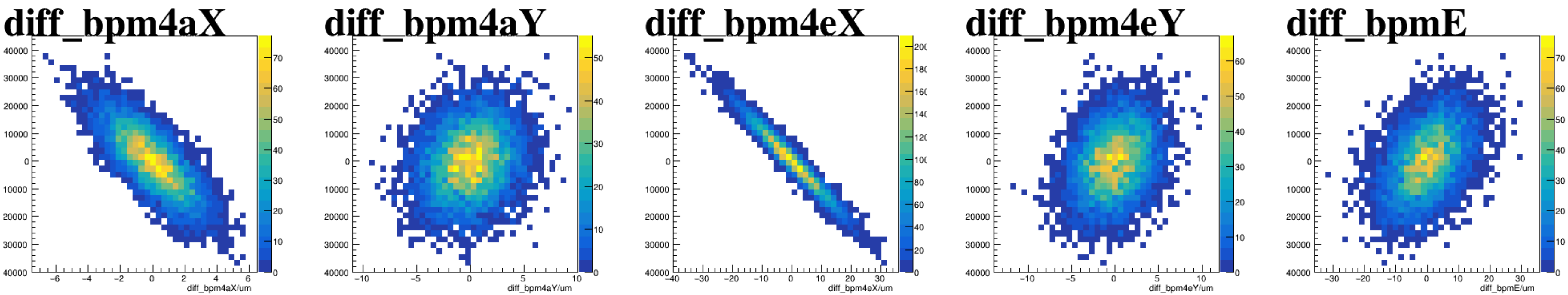
- diff_bpm4aX**: The x-axis ranges from -6 to 6.
- diff_bpm4aY**: The x-axis ranges from -10 to 10.
- diff_bpm4eX**: The x-axis ranges from -30 to 30.
- diff_bpm4eY**: The x-axis ranges from -10 to 10.
- diff_bpmE**: The x-axis ranges from -30 to 30.

All plots show a dense cloud of points centered around zero, indicating high agreement between the two methods.

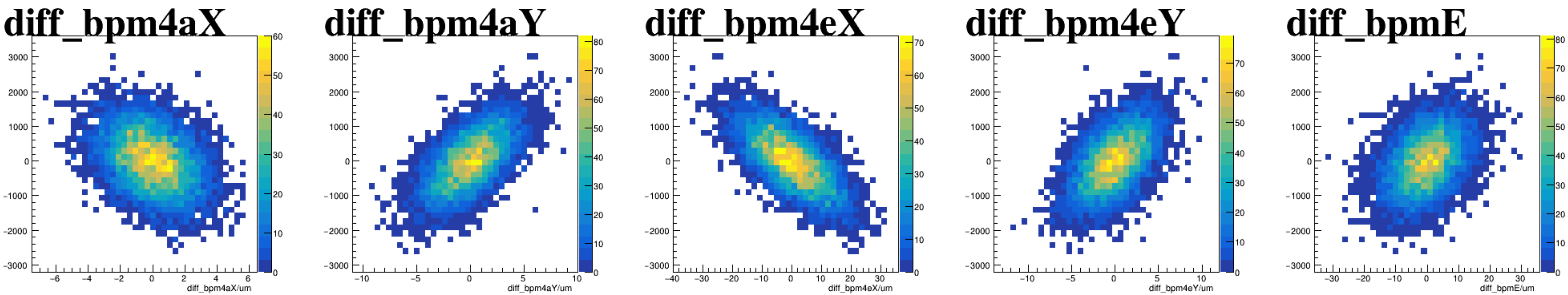
asym_sam1



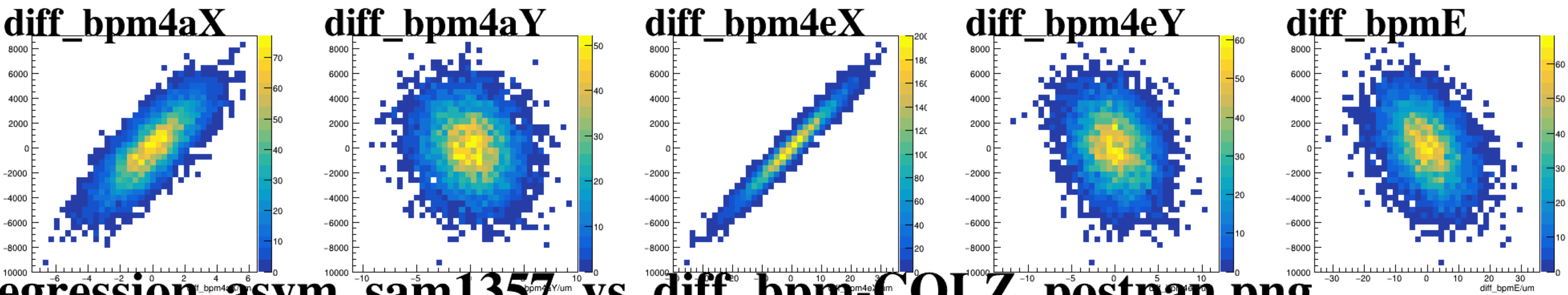
asym_sam3



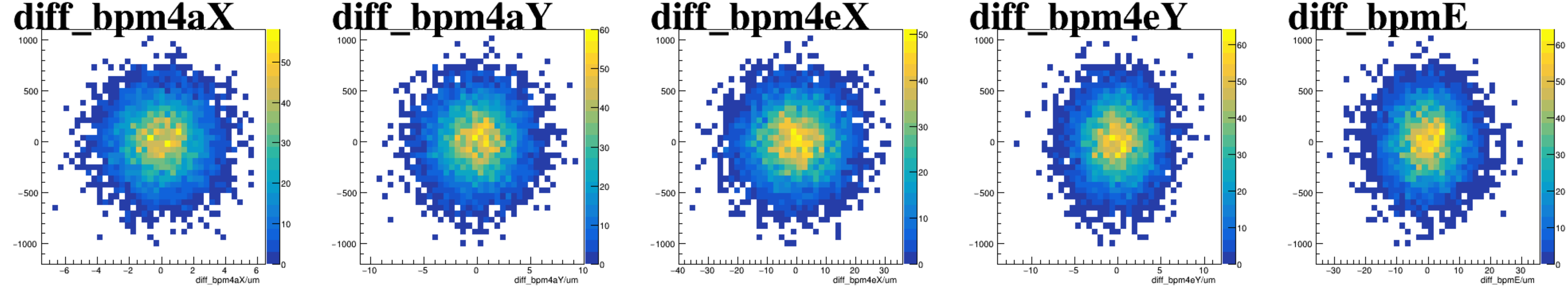
asym_sam5



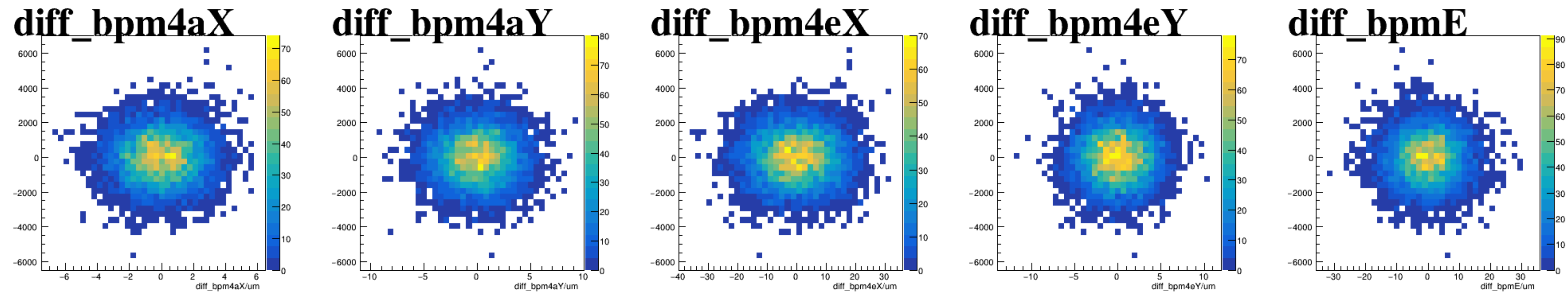
asym_sam7



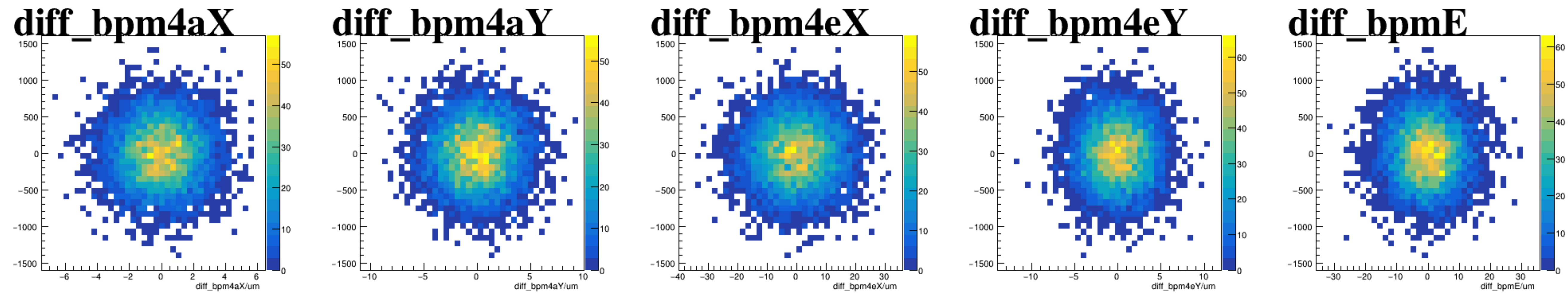
reg_asym_sam1



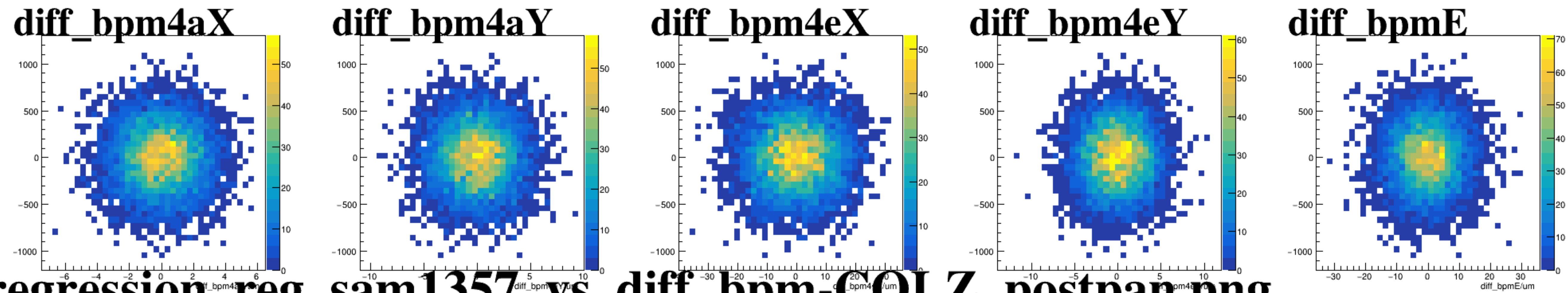
reg_asym_sam3



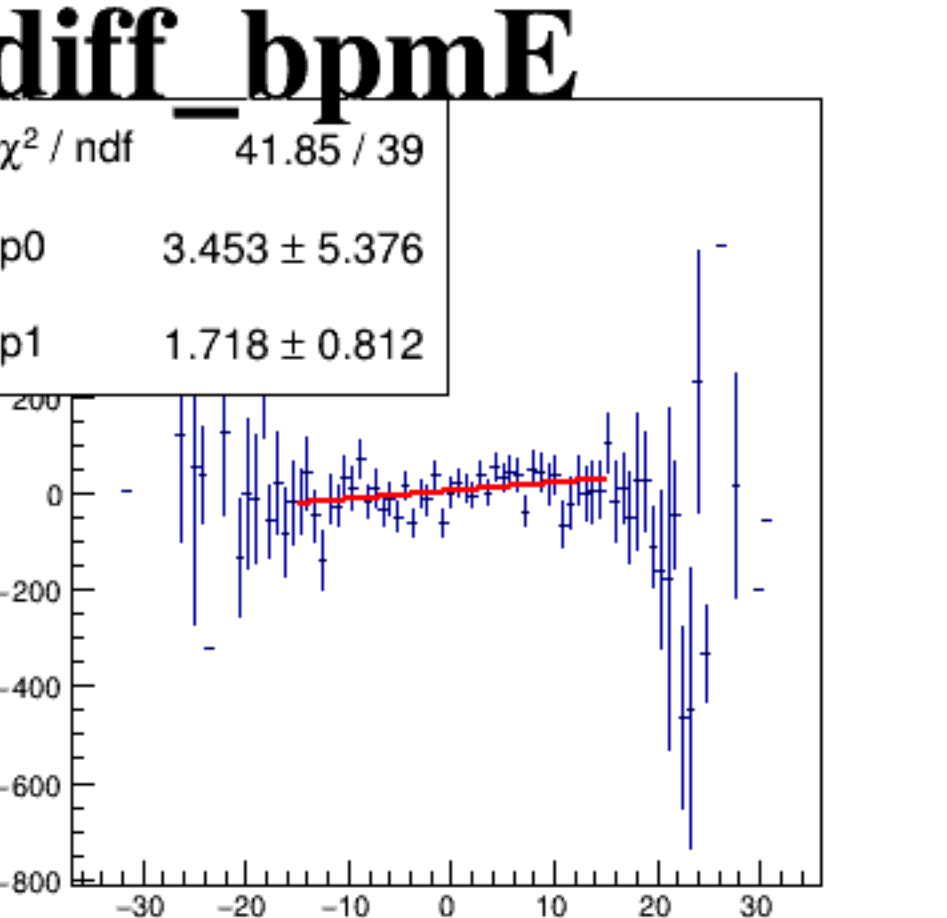
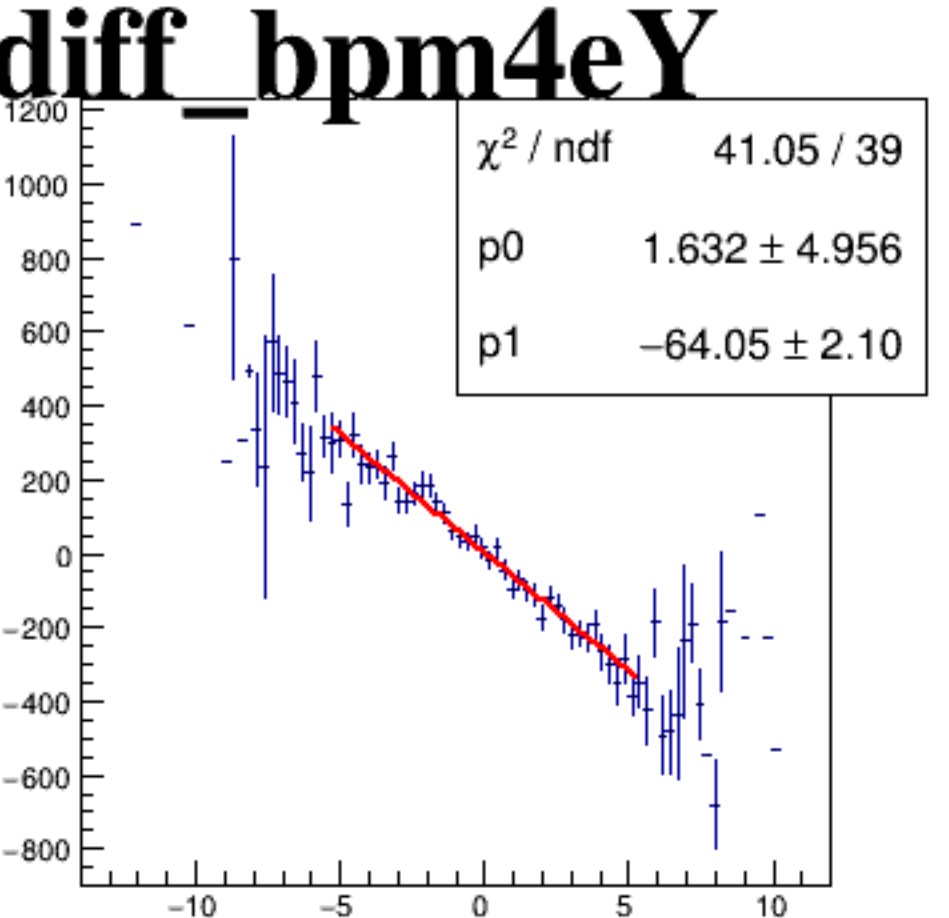
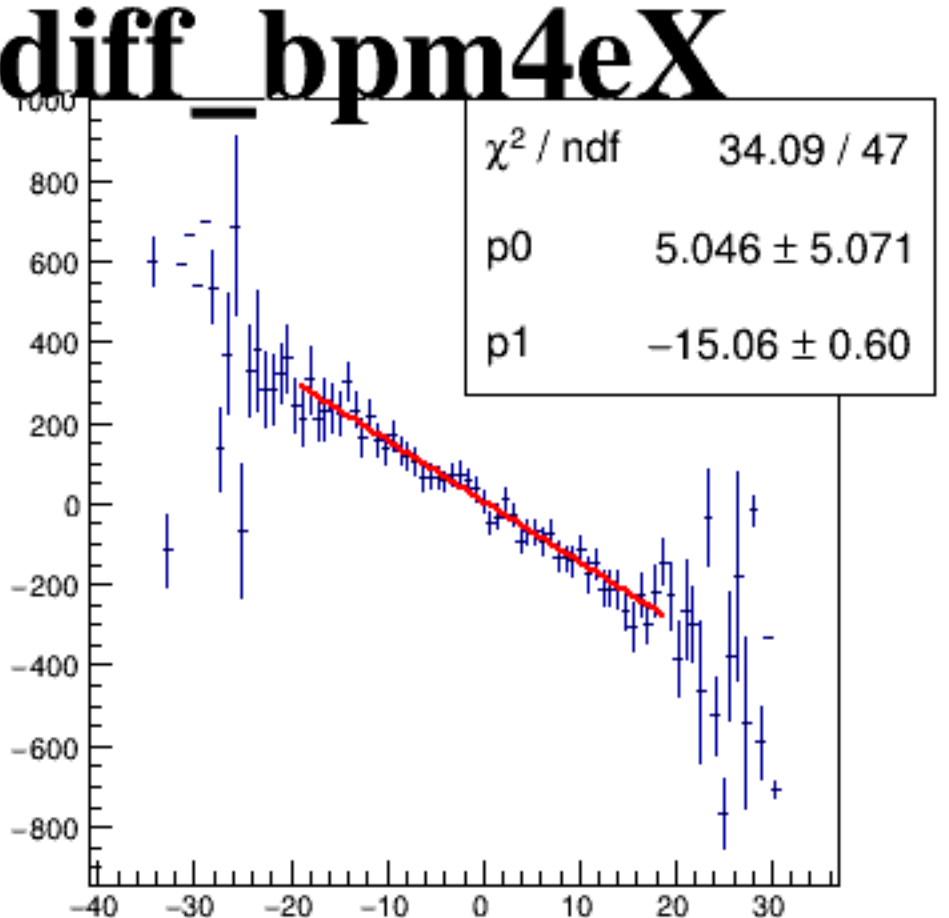
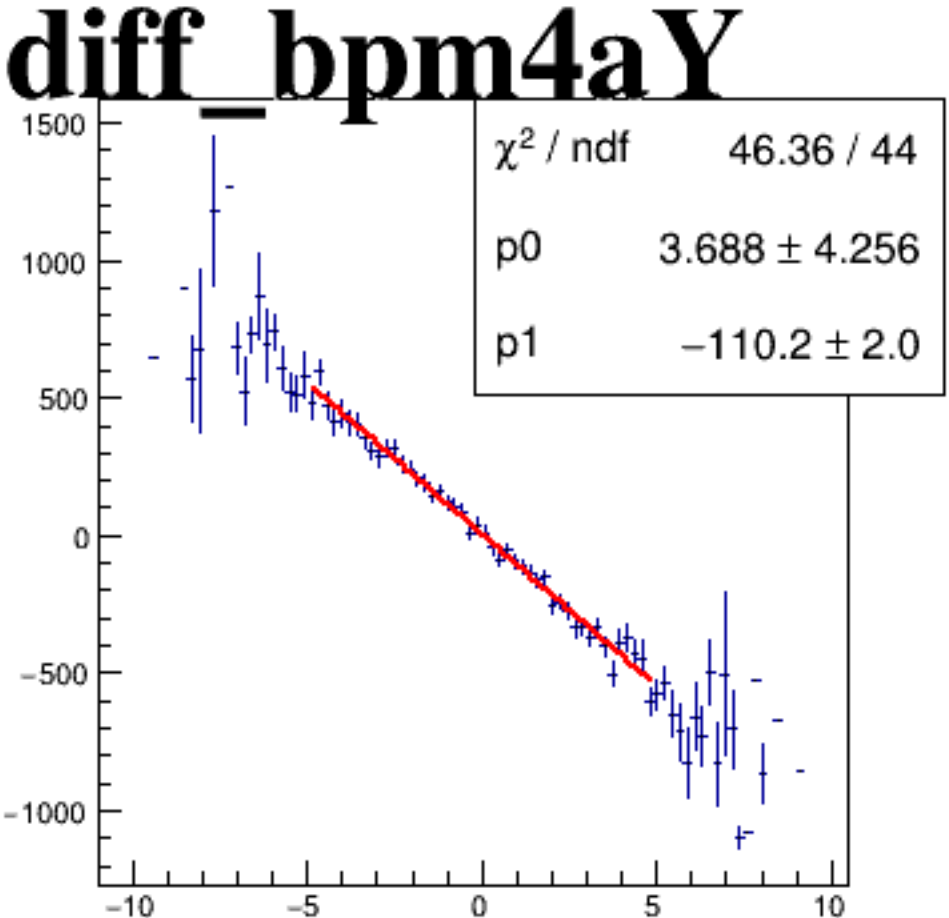
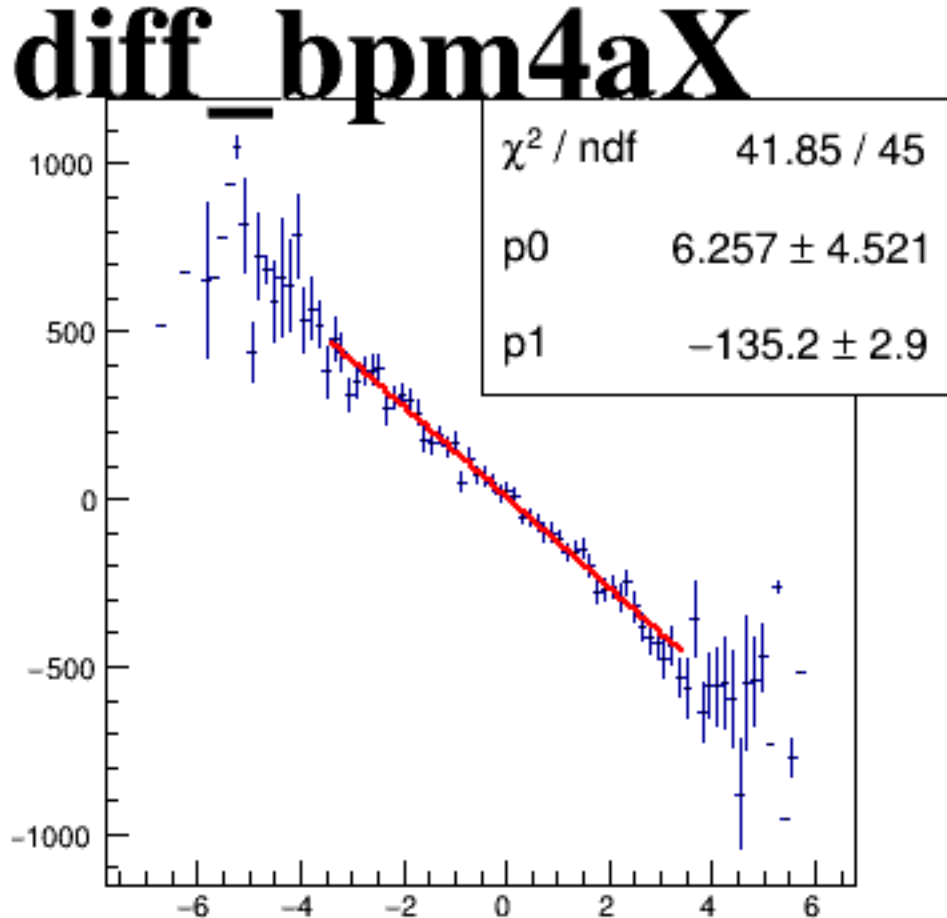
reg_asym_sam5



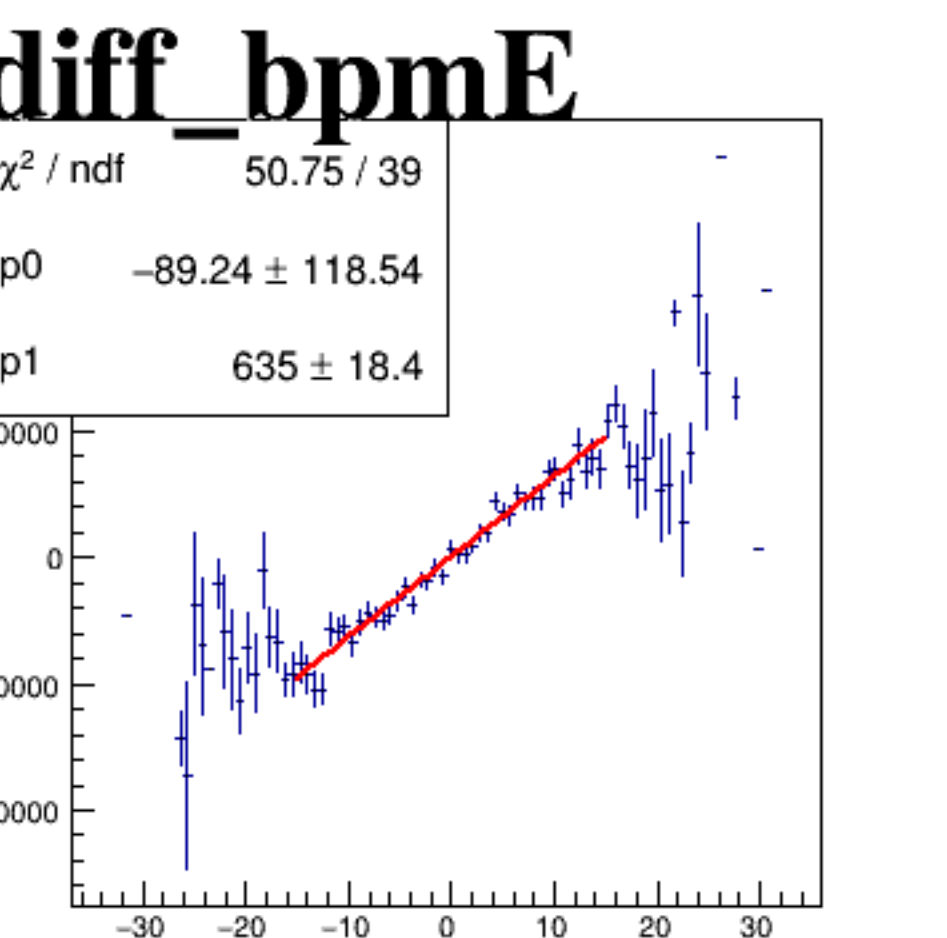
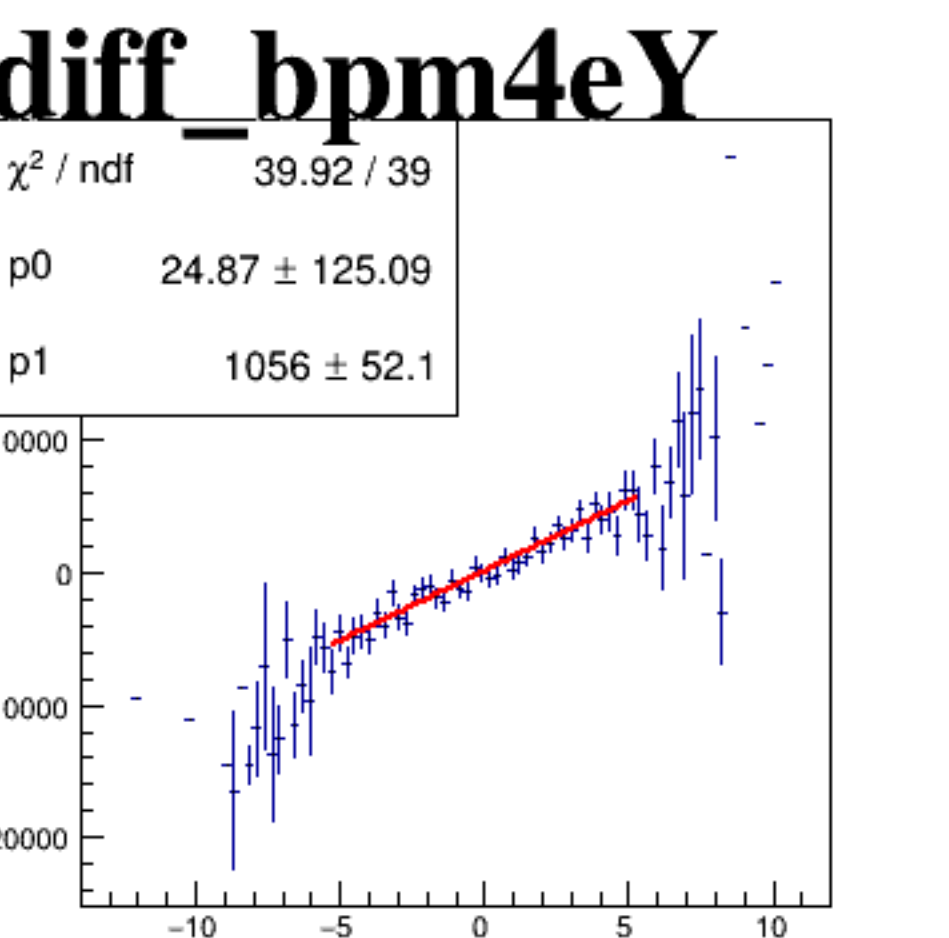
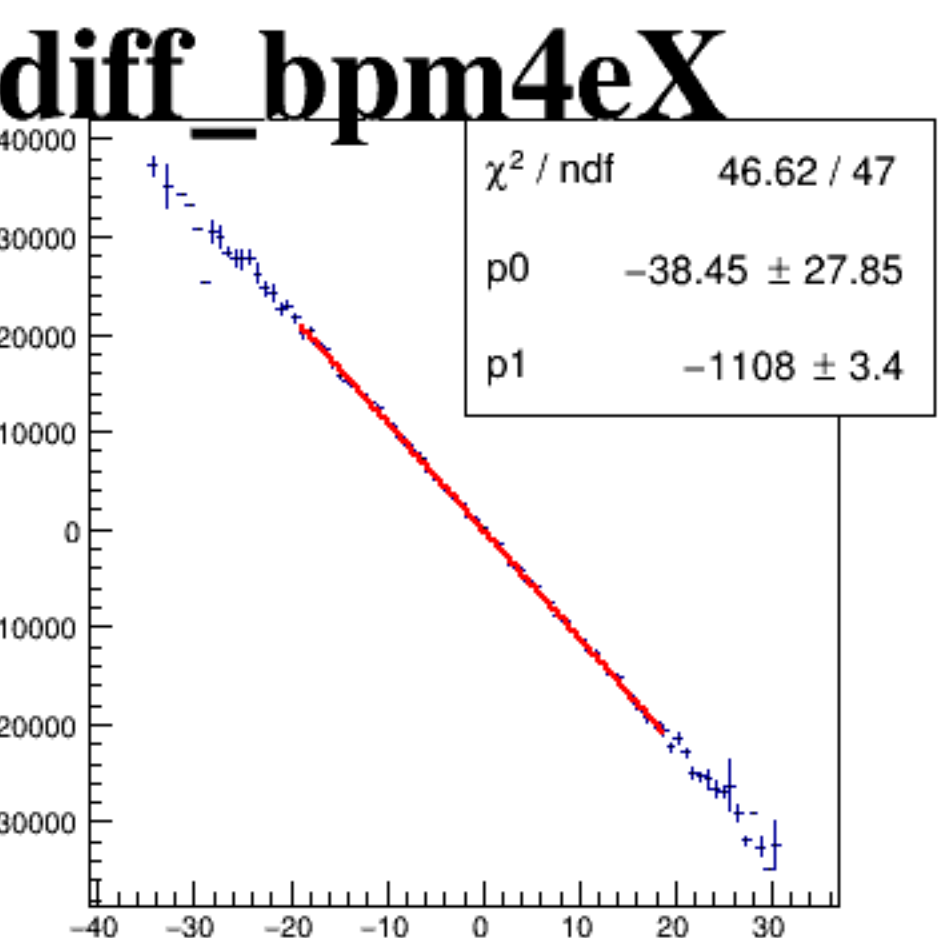
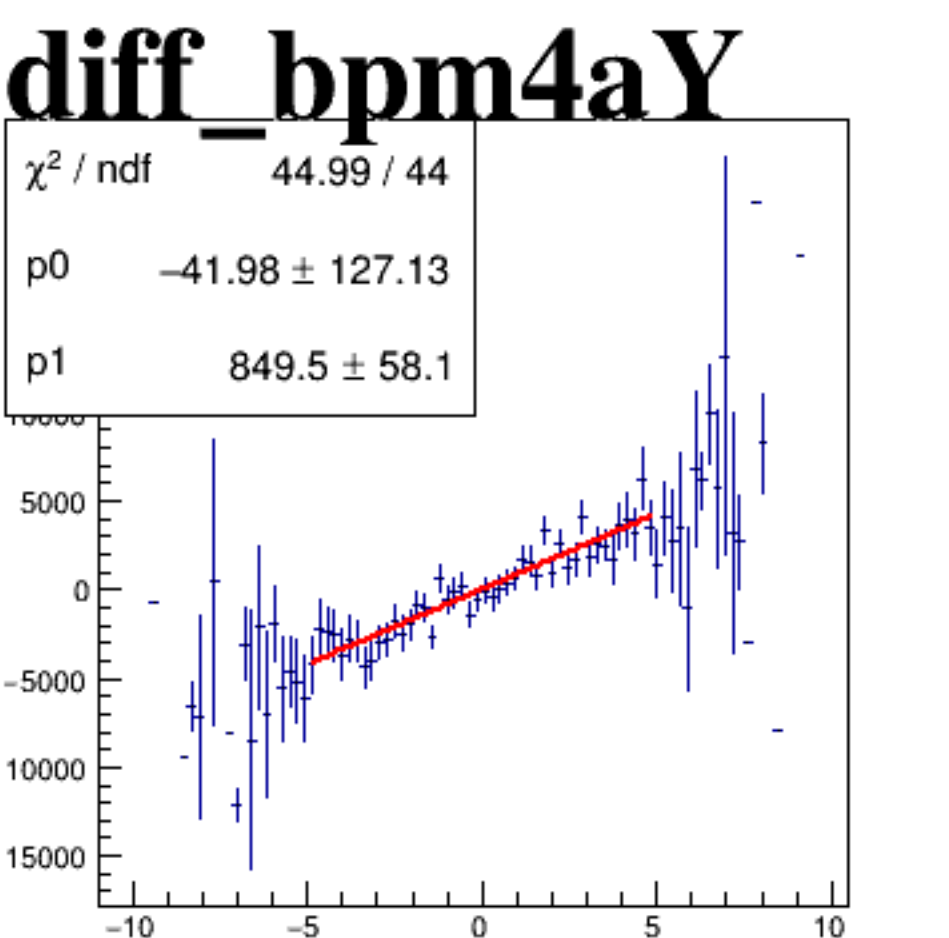
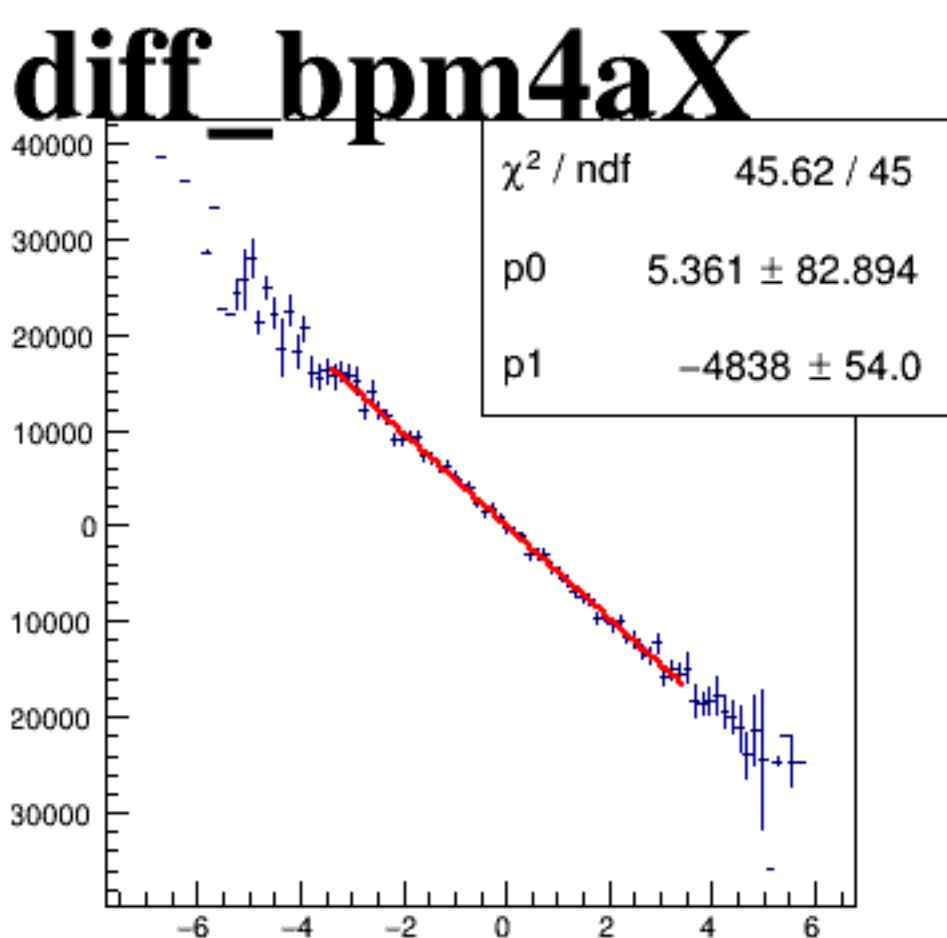
reg_asym_sam7



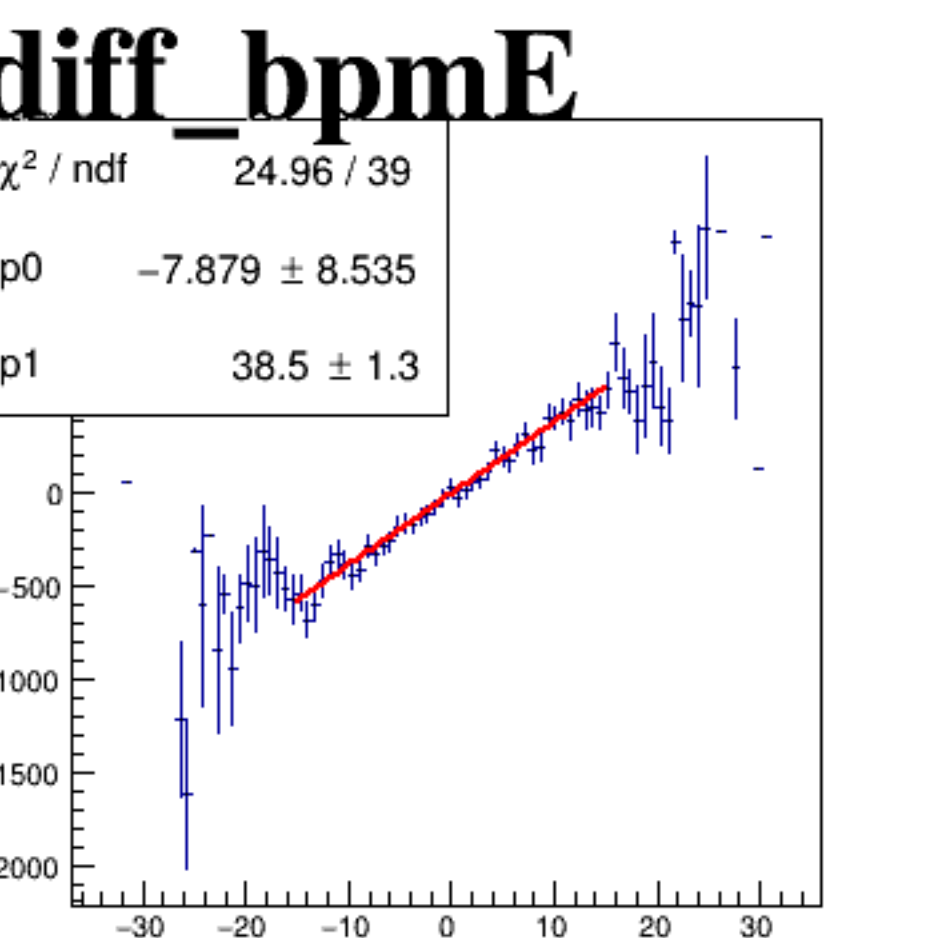
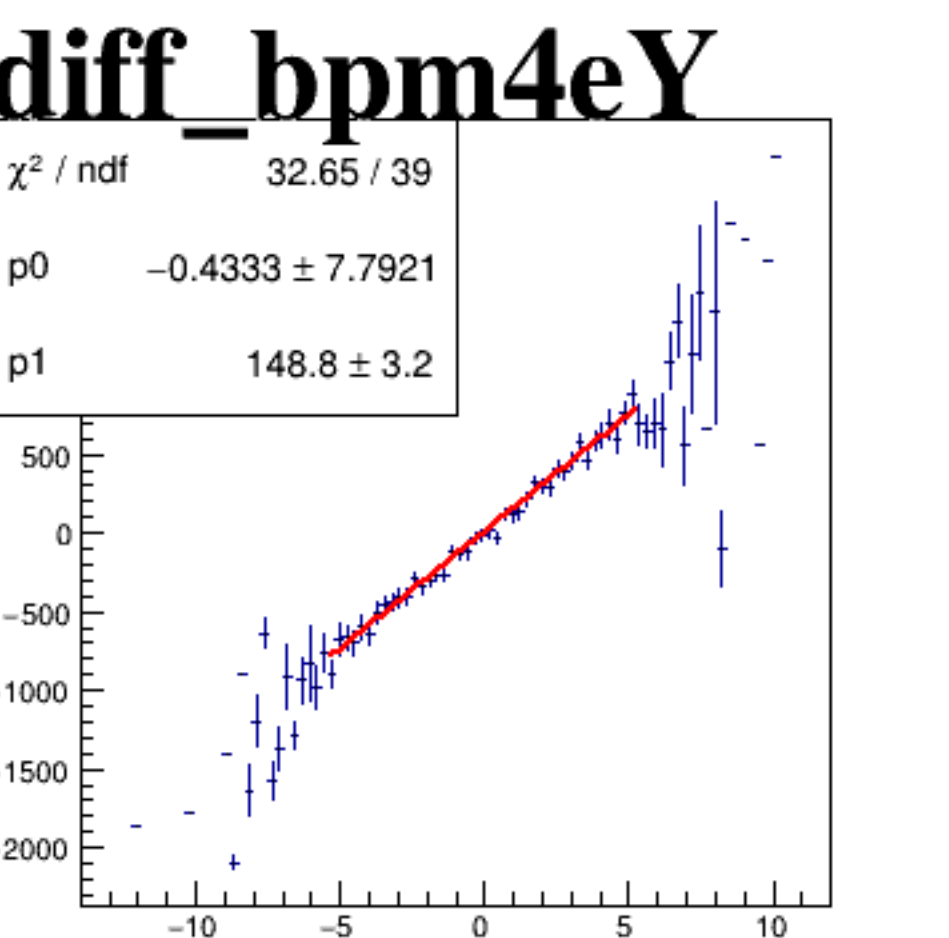
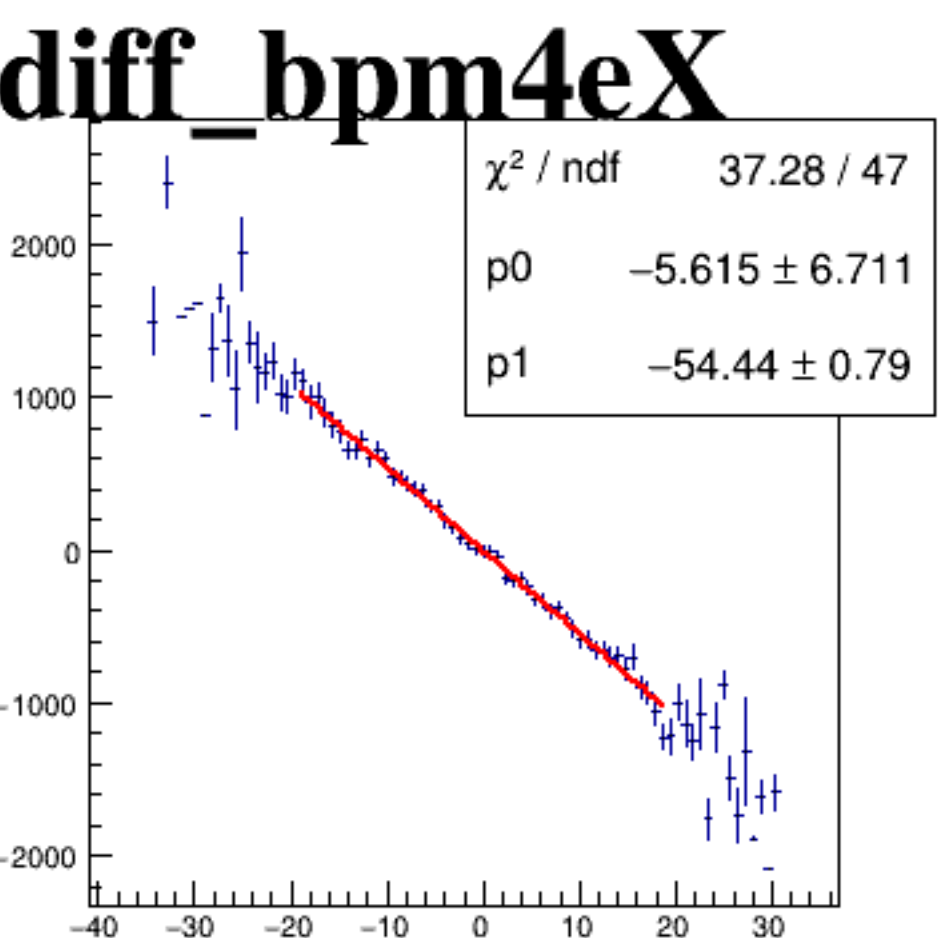
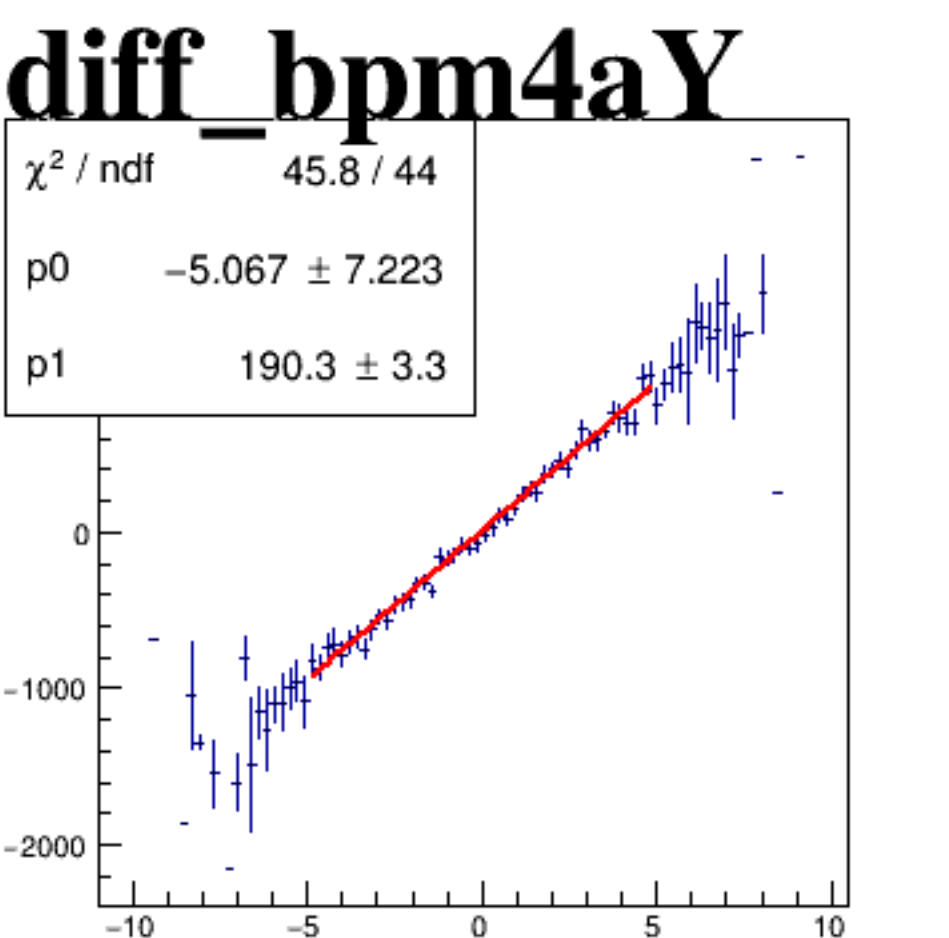
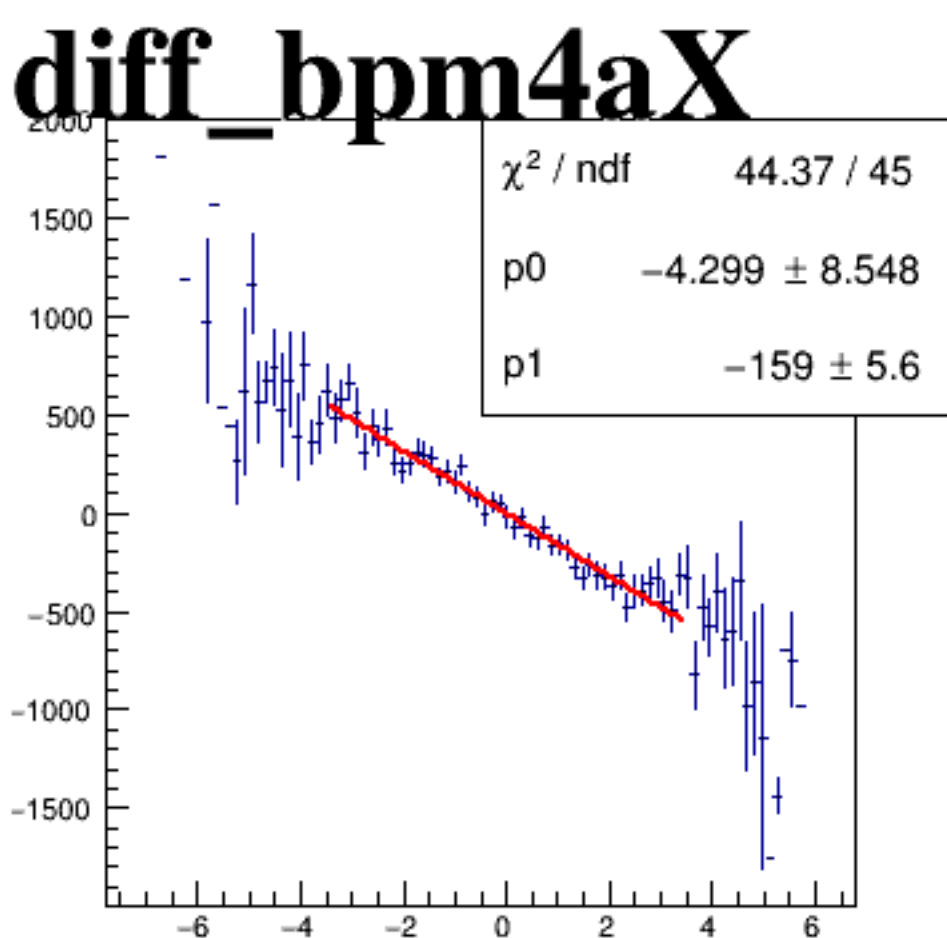
asym_sam1



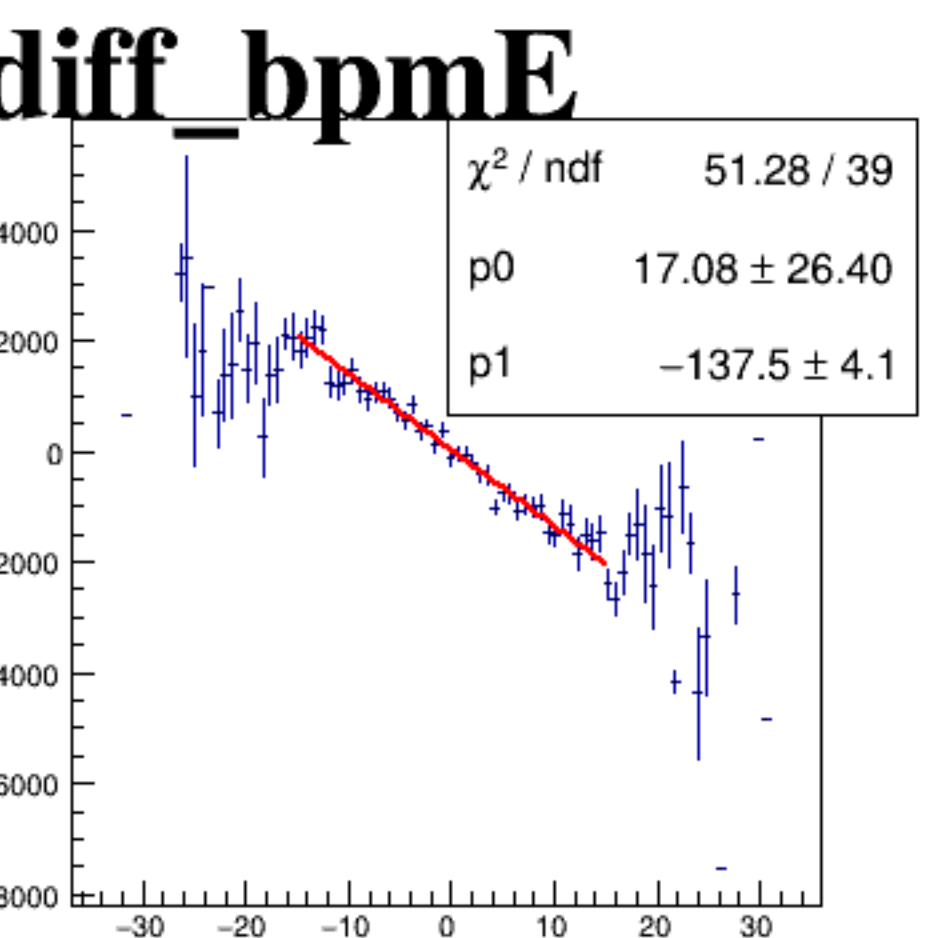
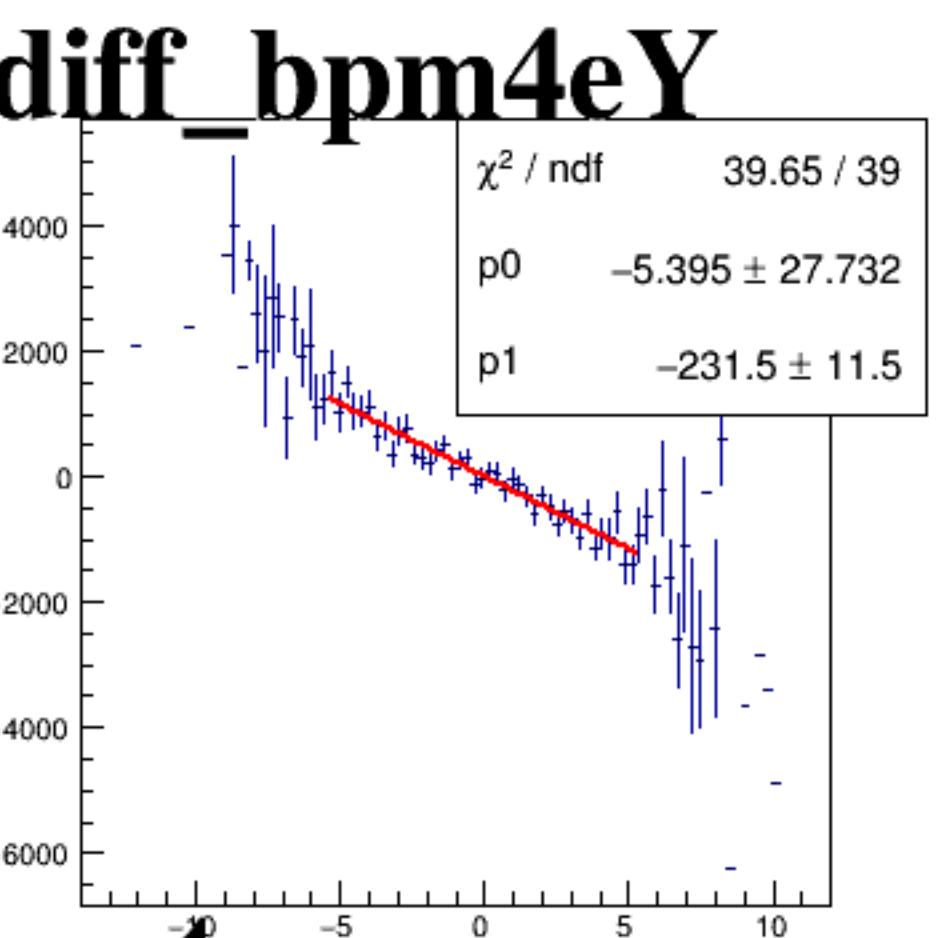
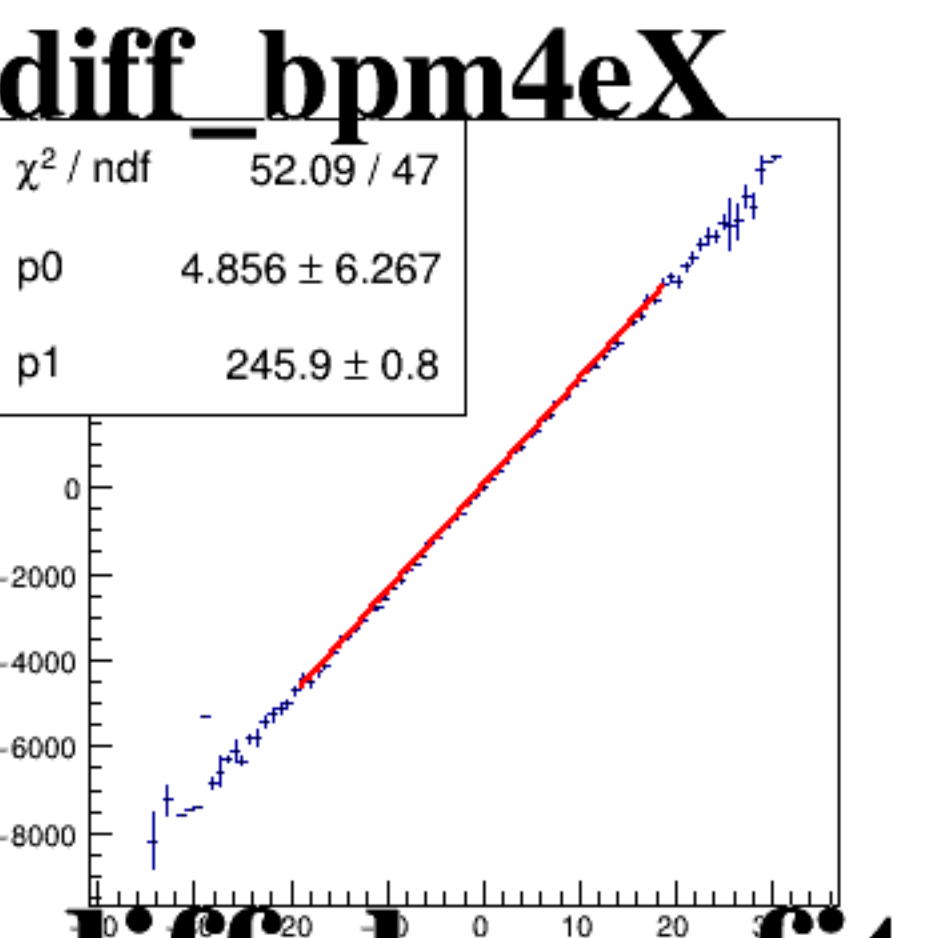
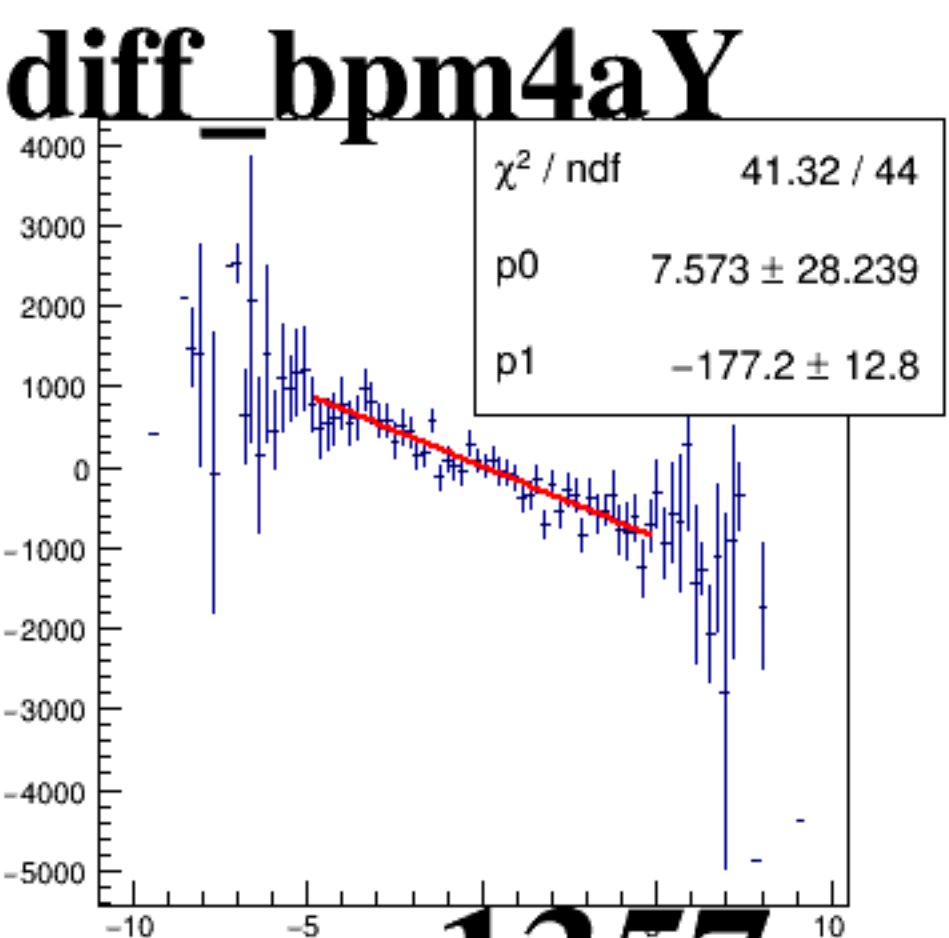
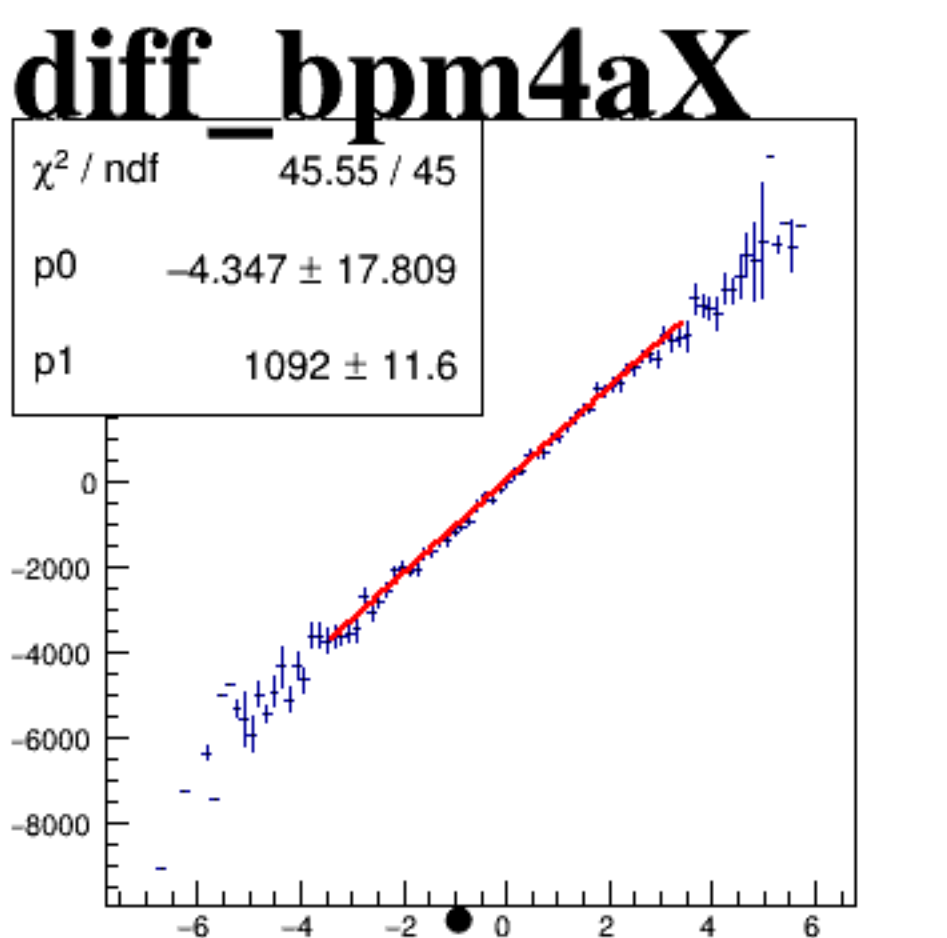
asym_sam3



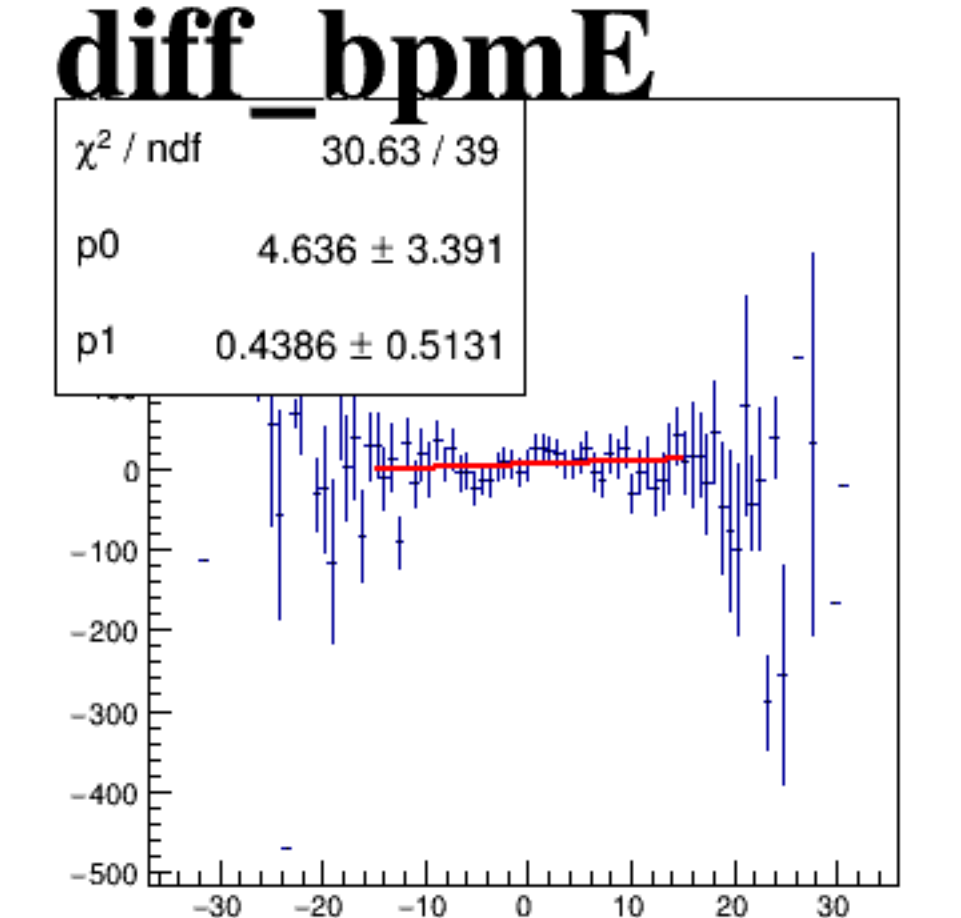
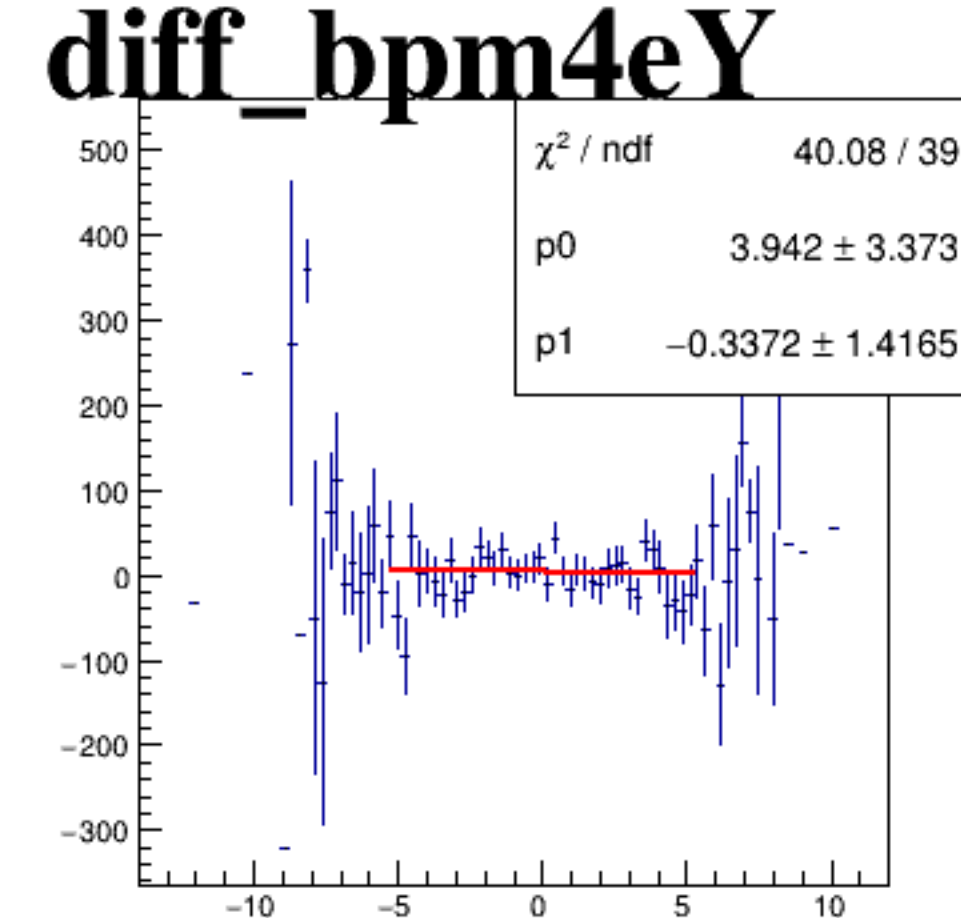
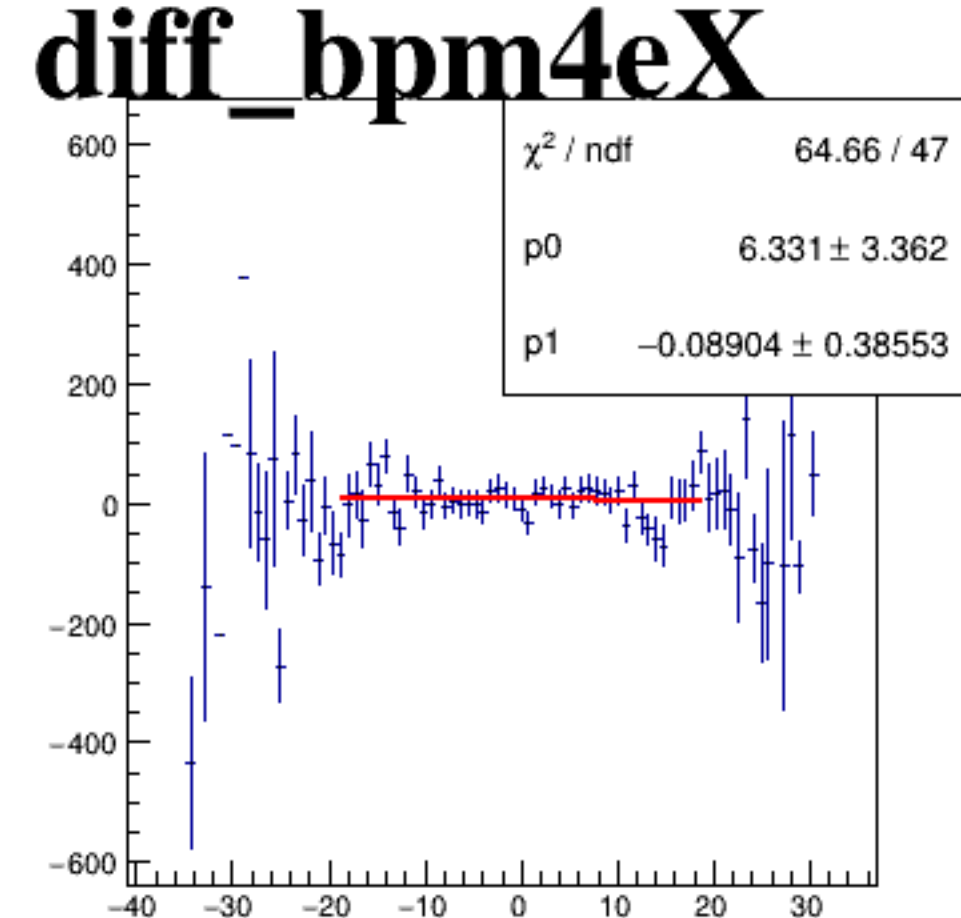
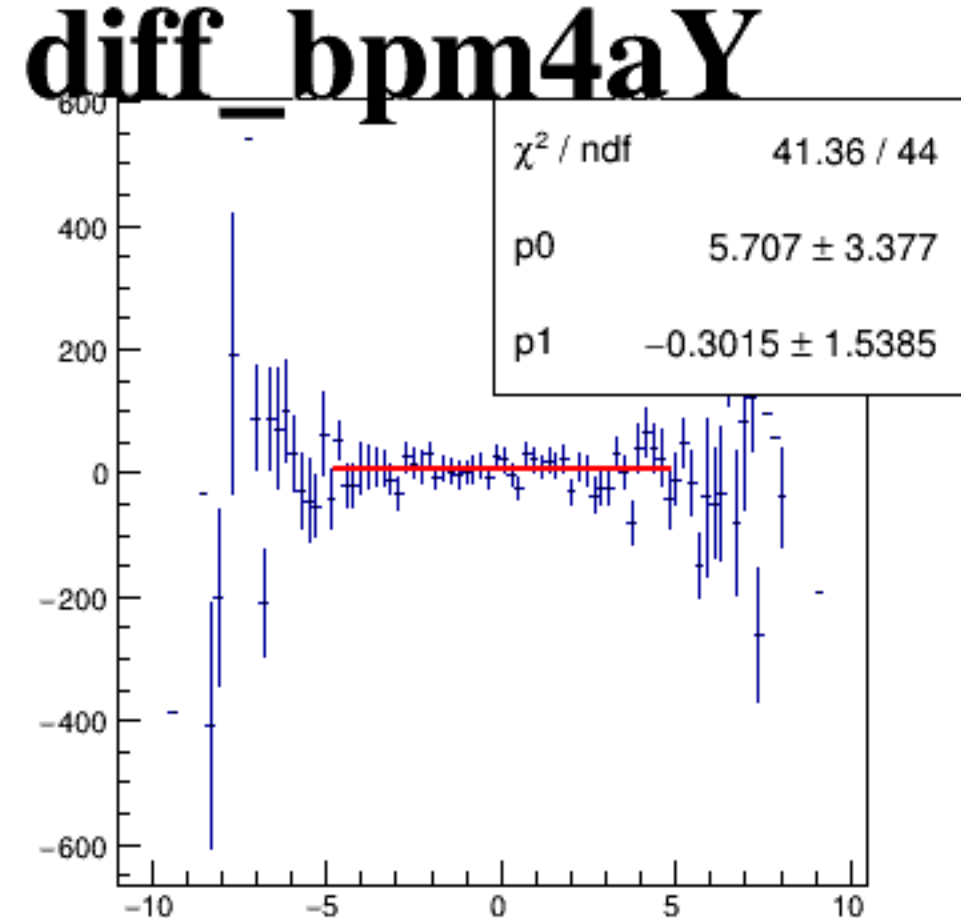
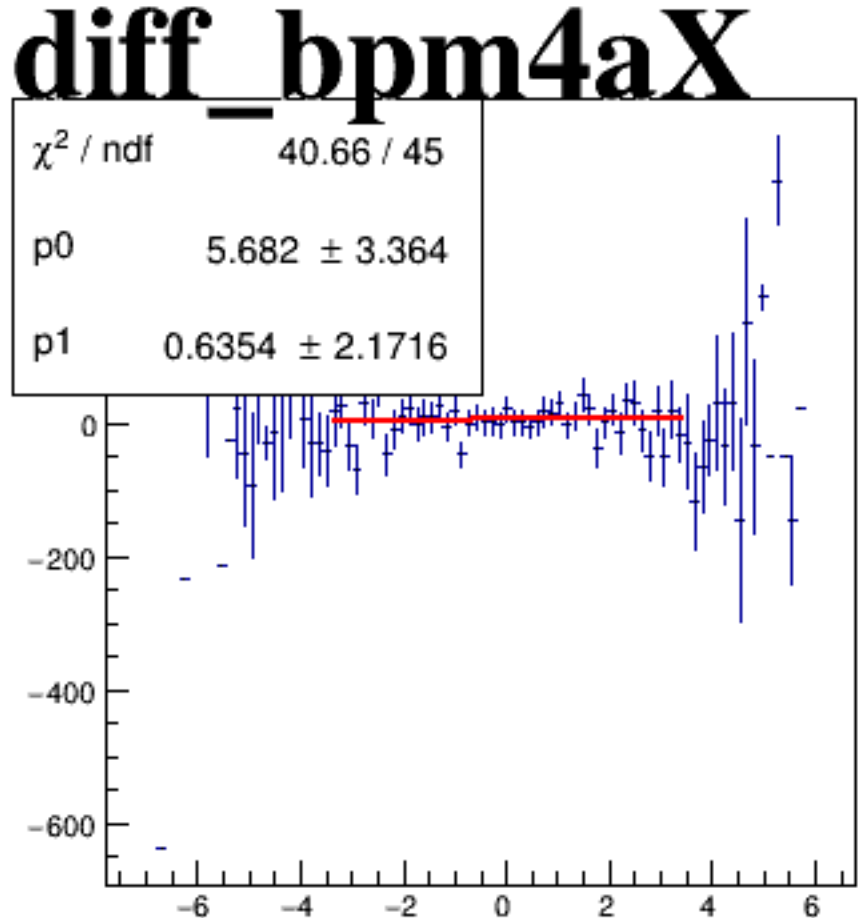
asym_sam5



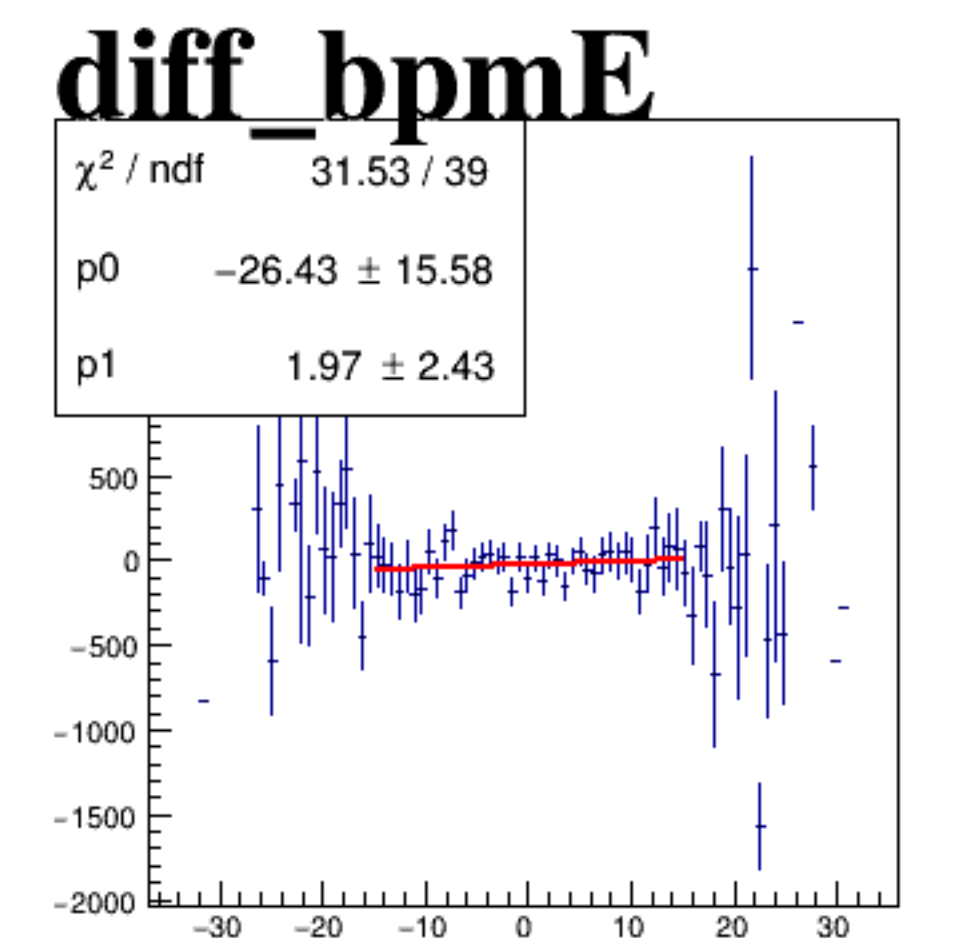
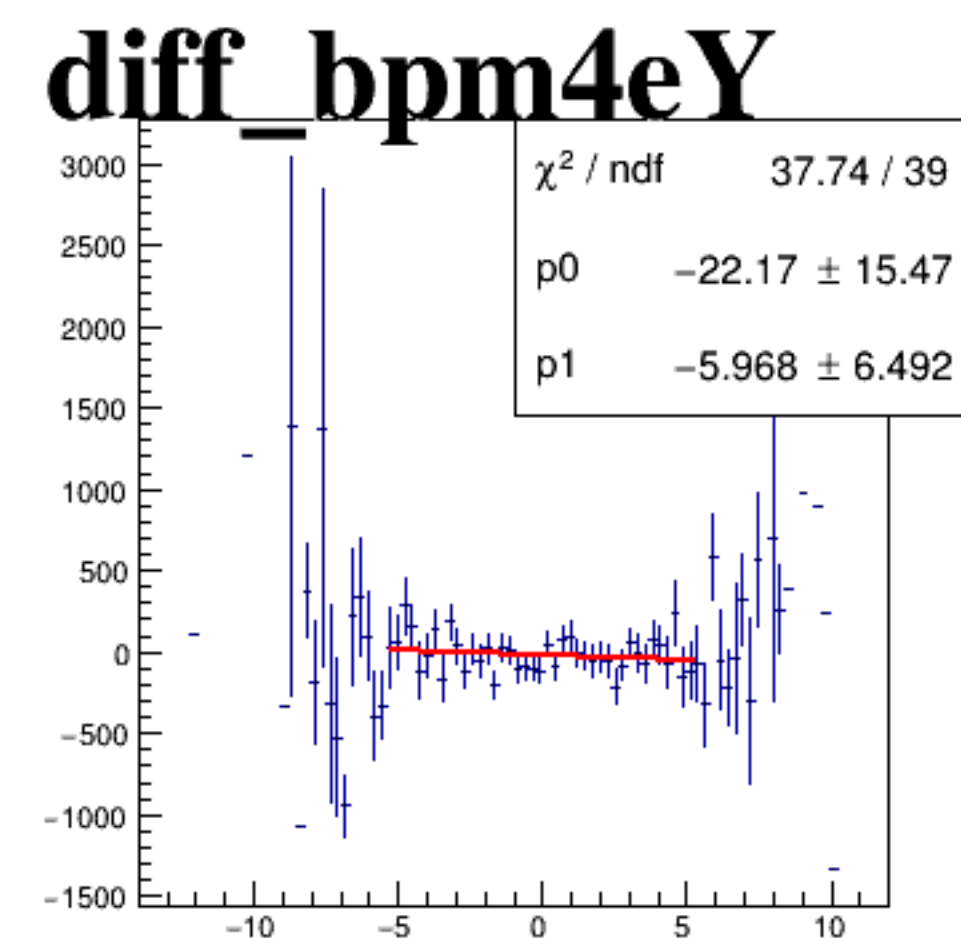
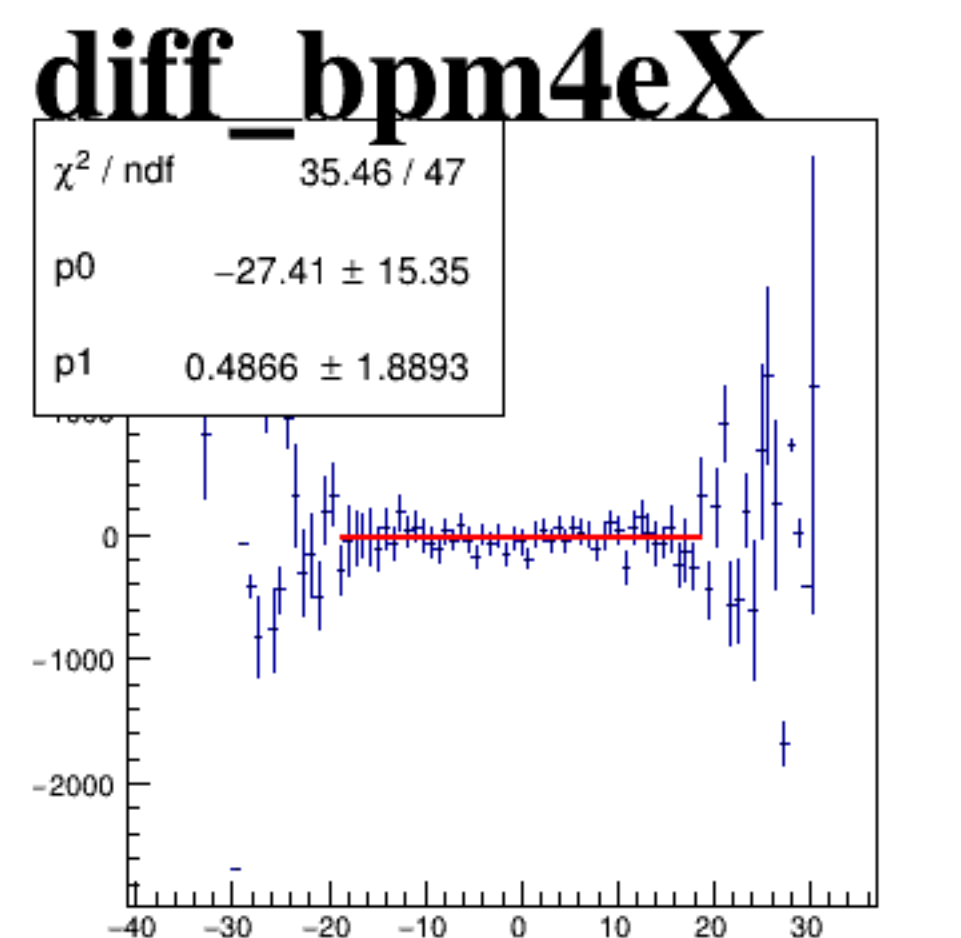
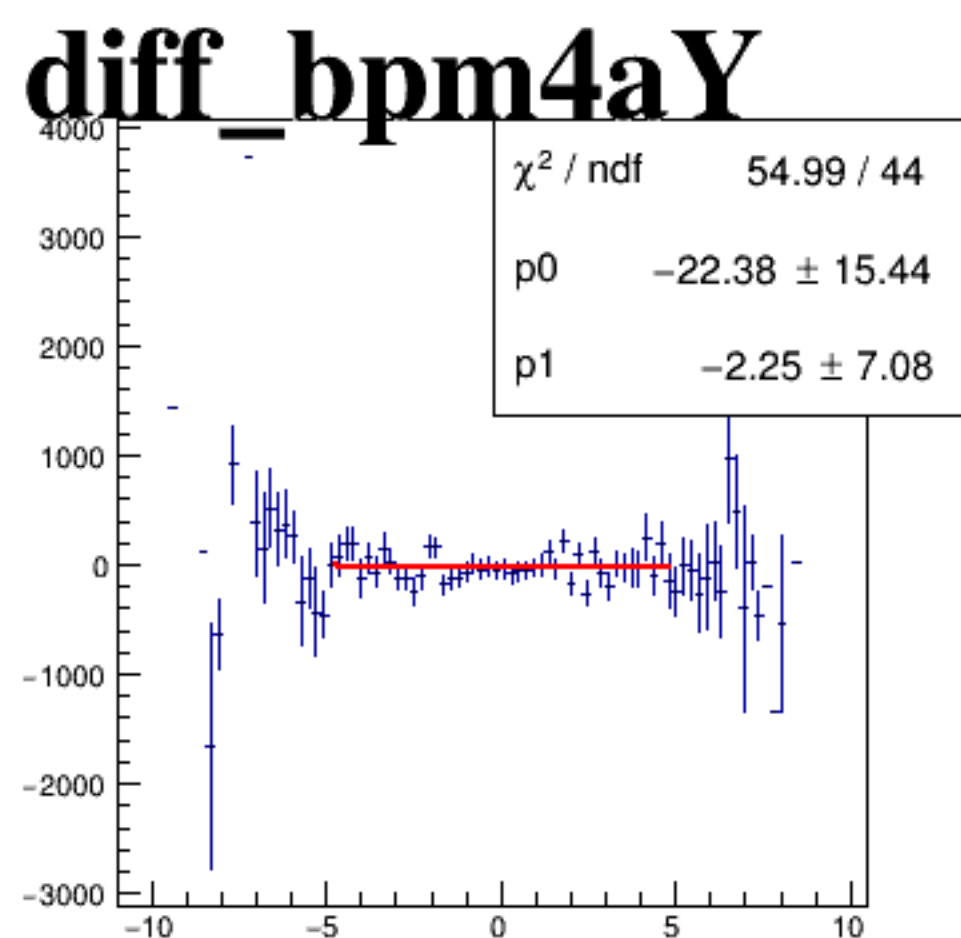
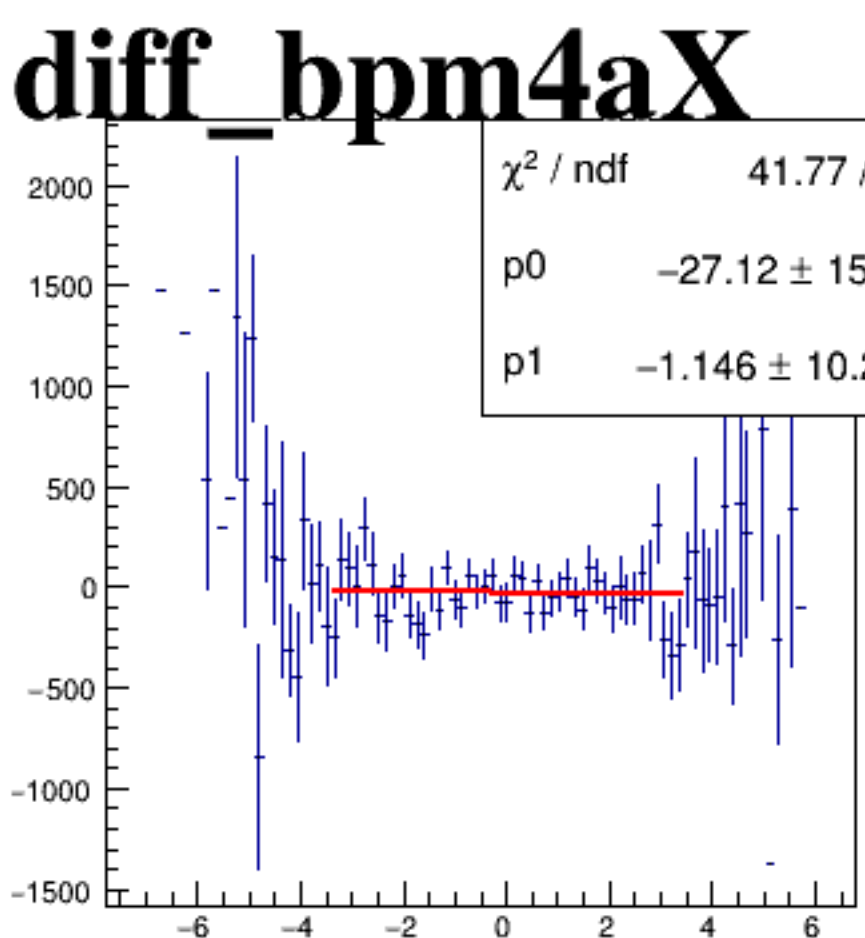
asym_sam7



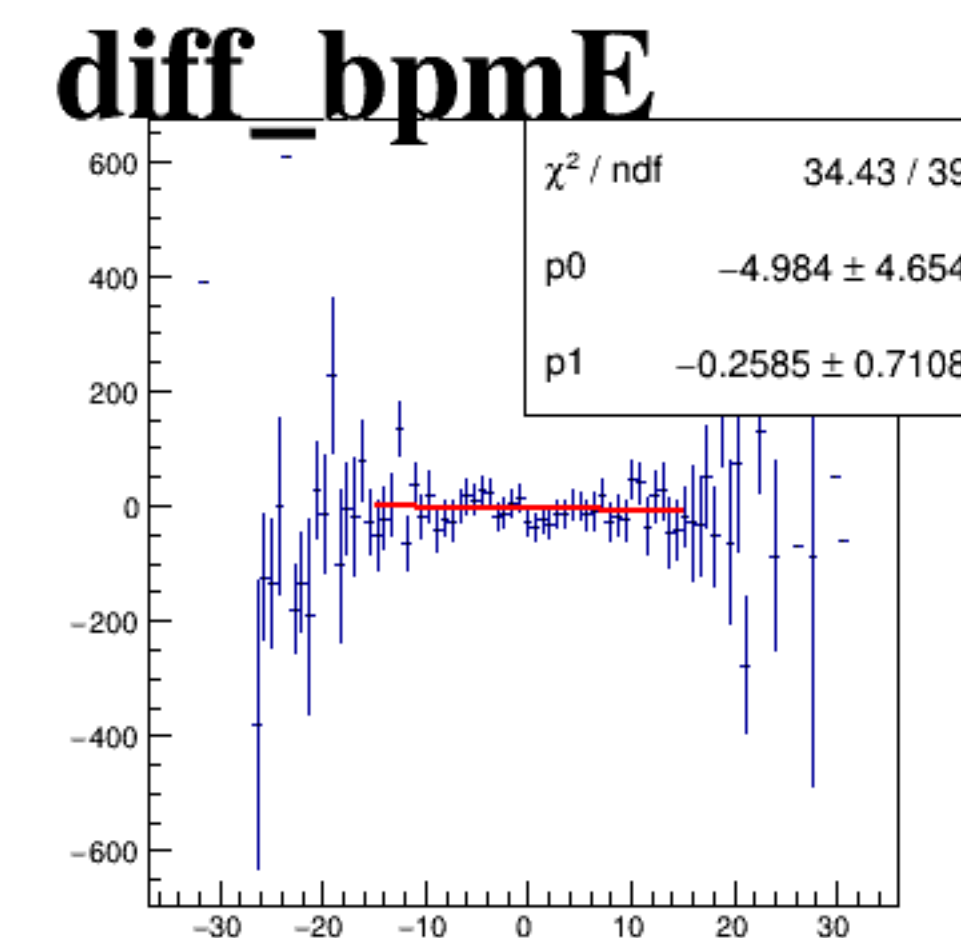
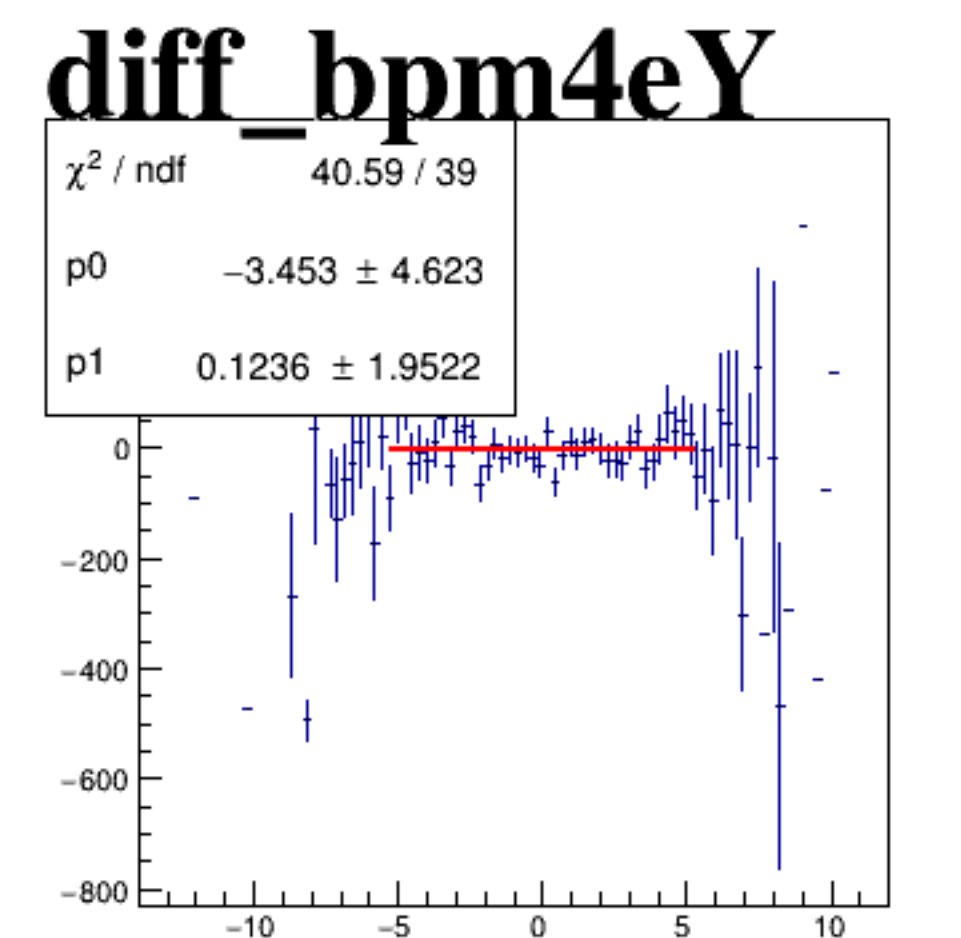
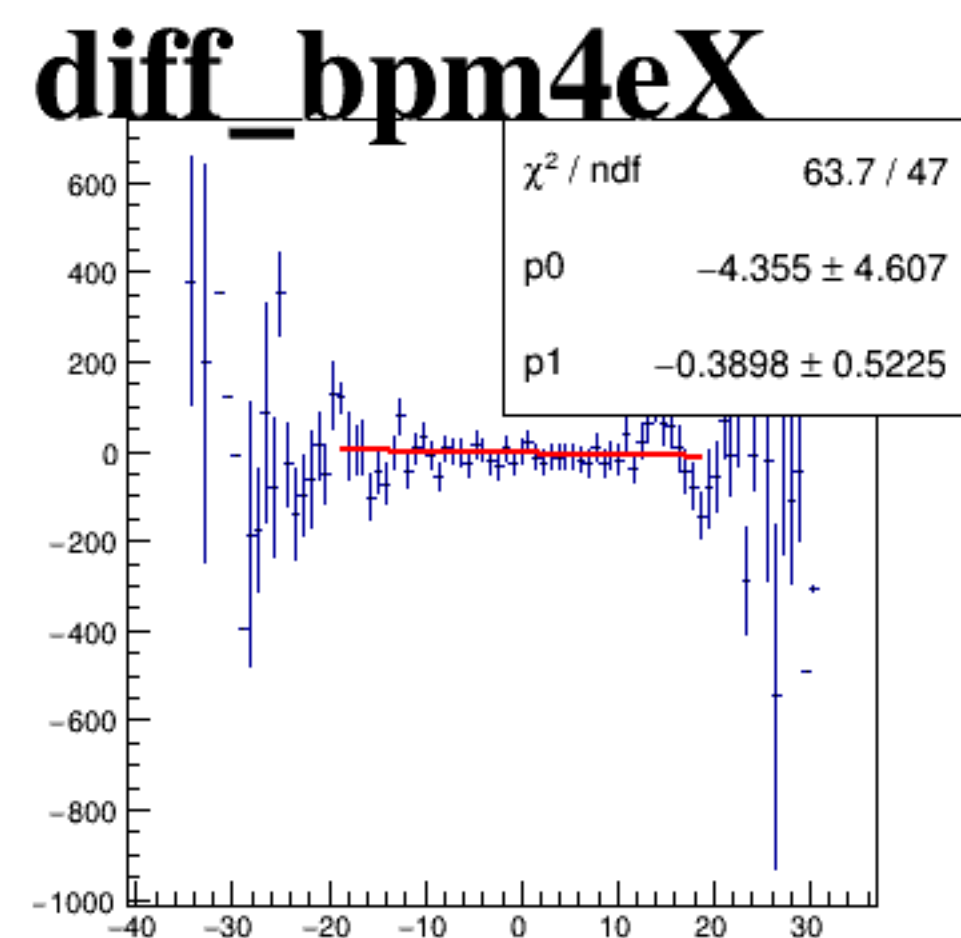
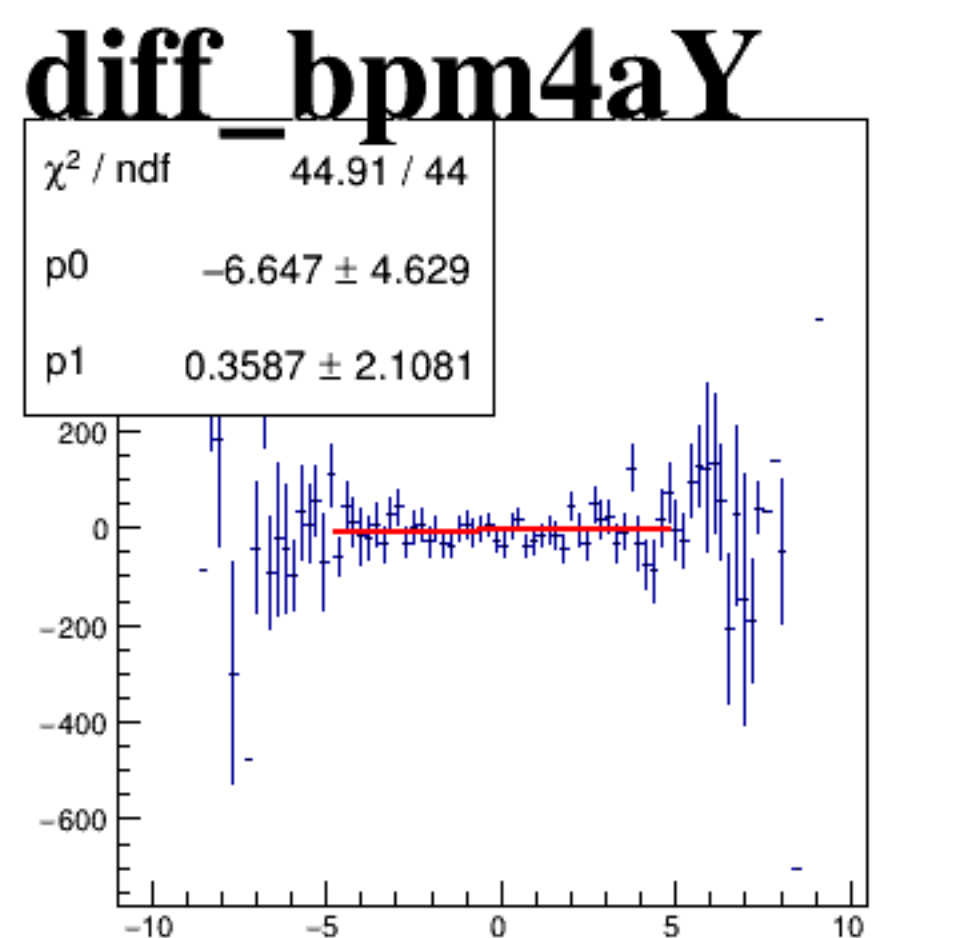
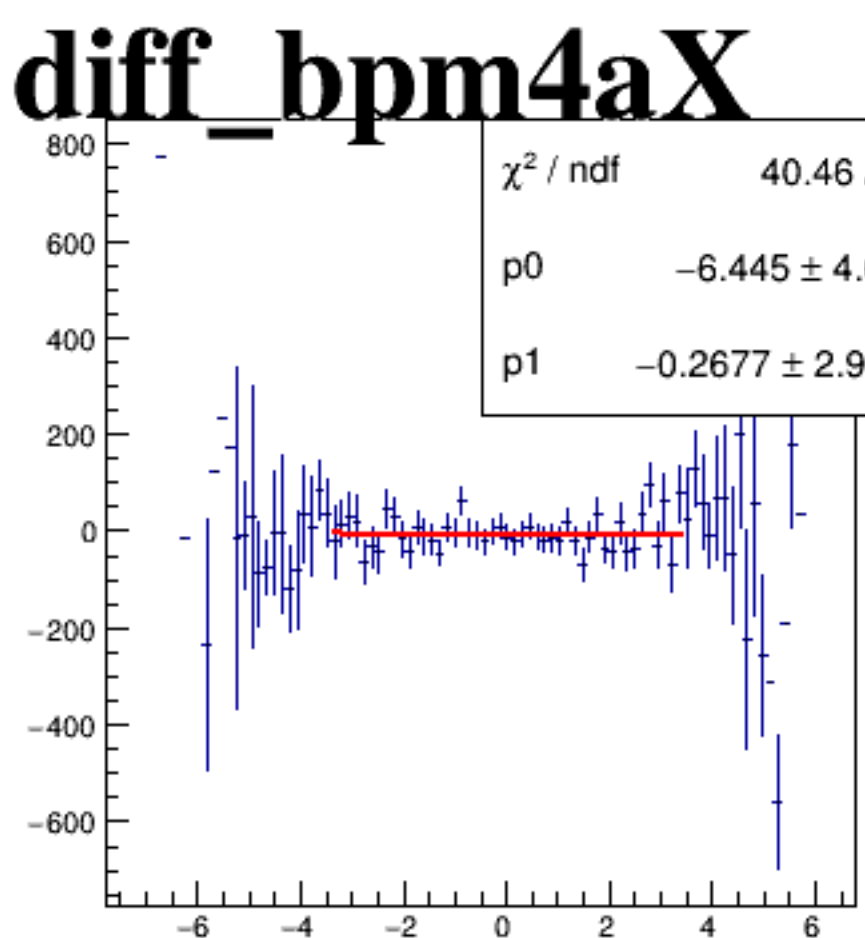
reg_asym_sam1



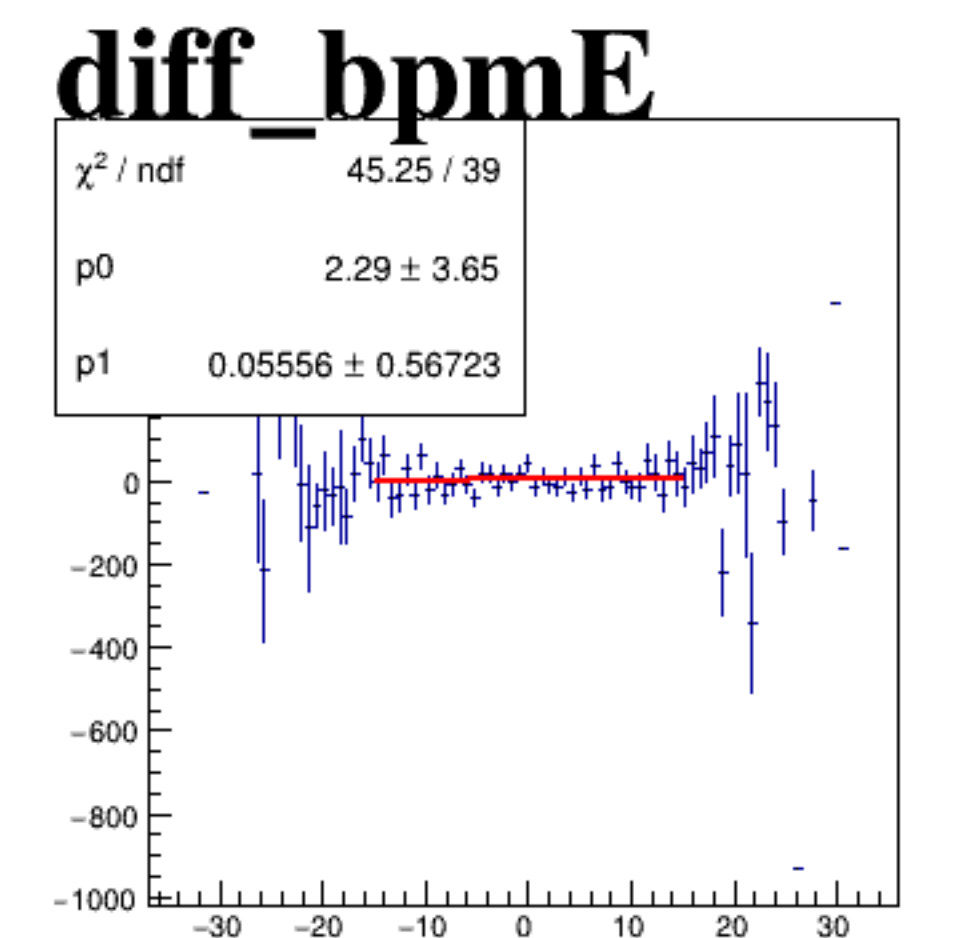
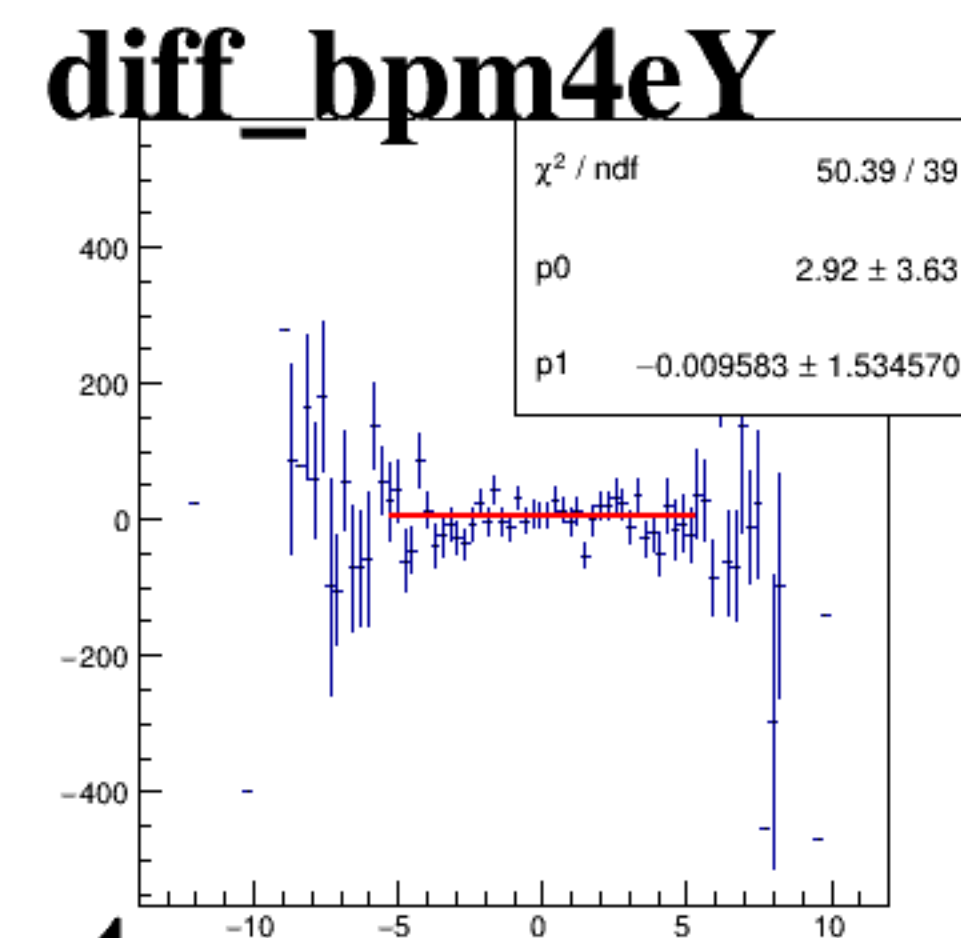
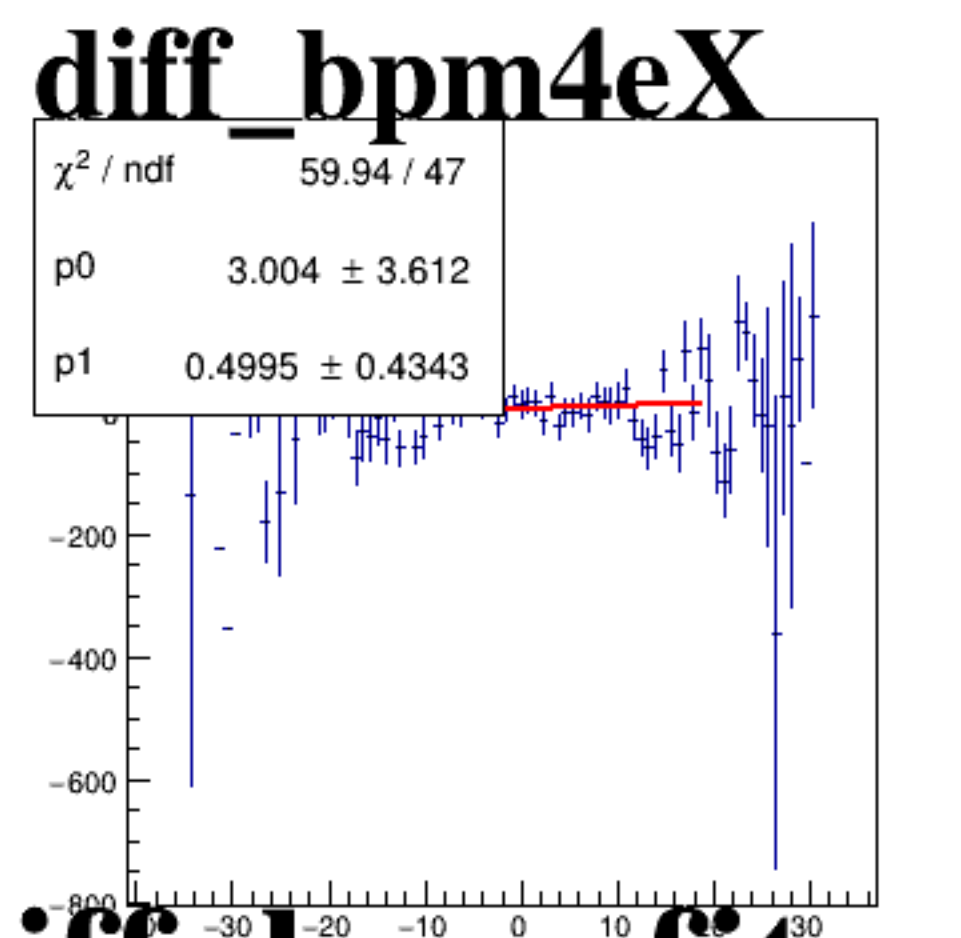
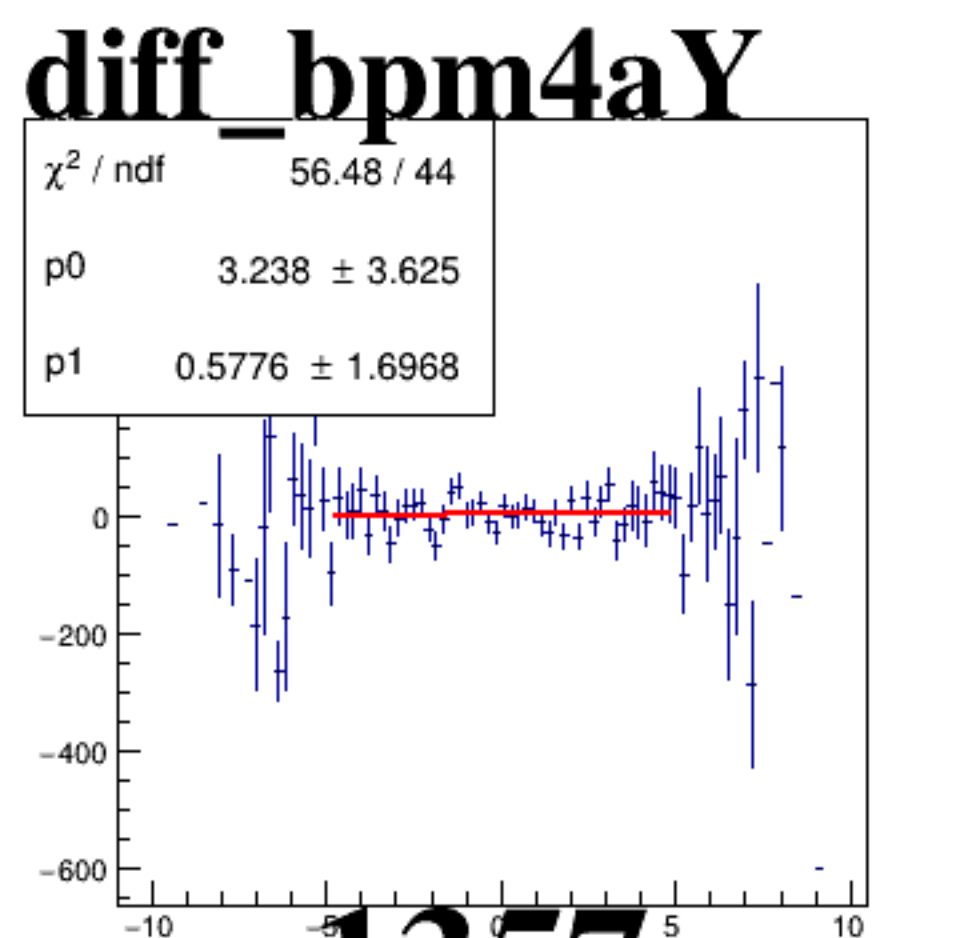
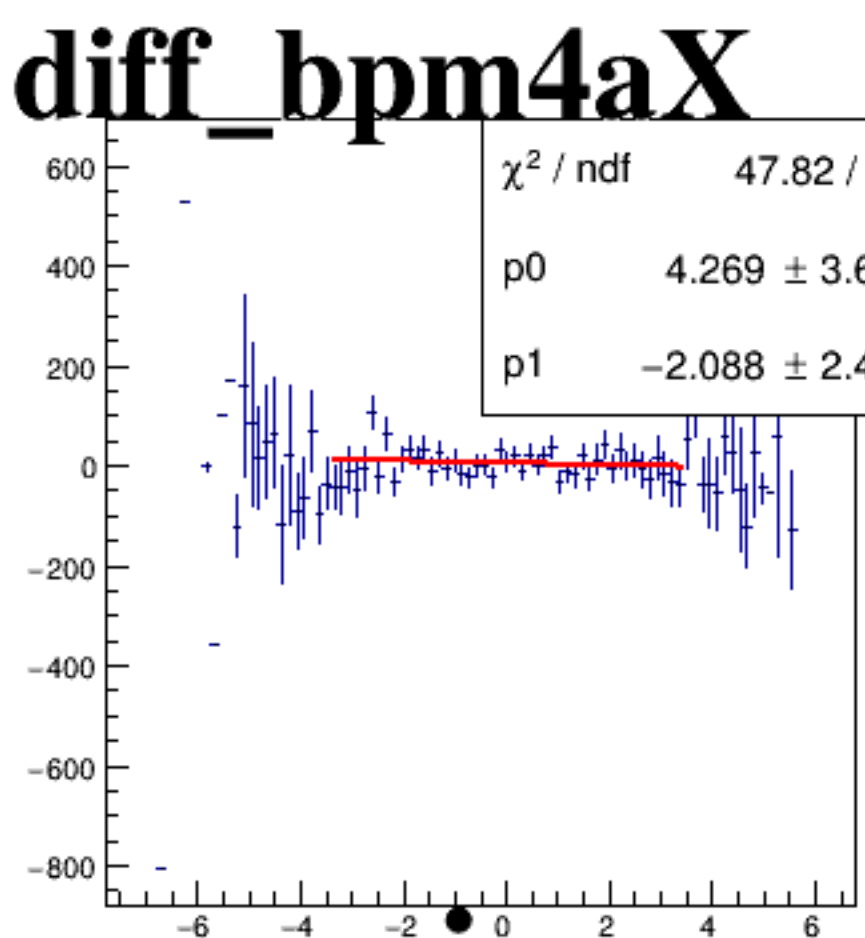
reg_asym_sam3



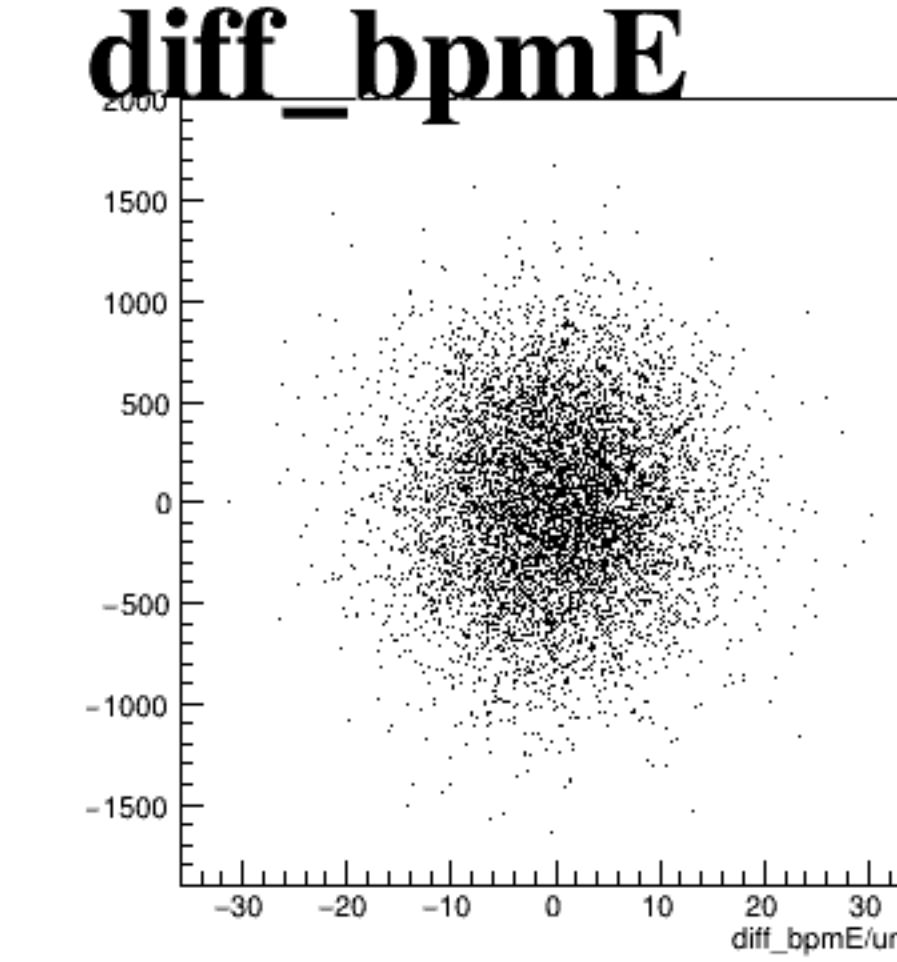
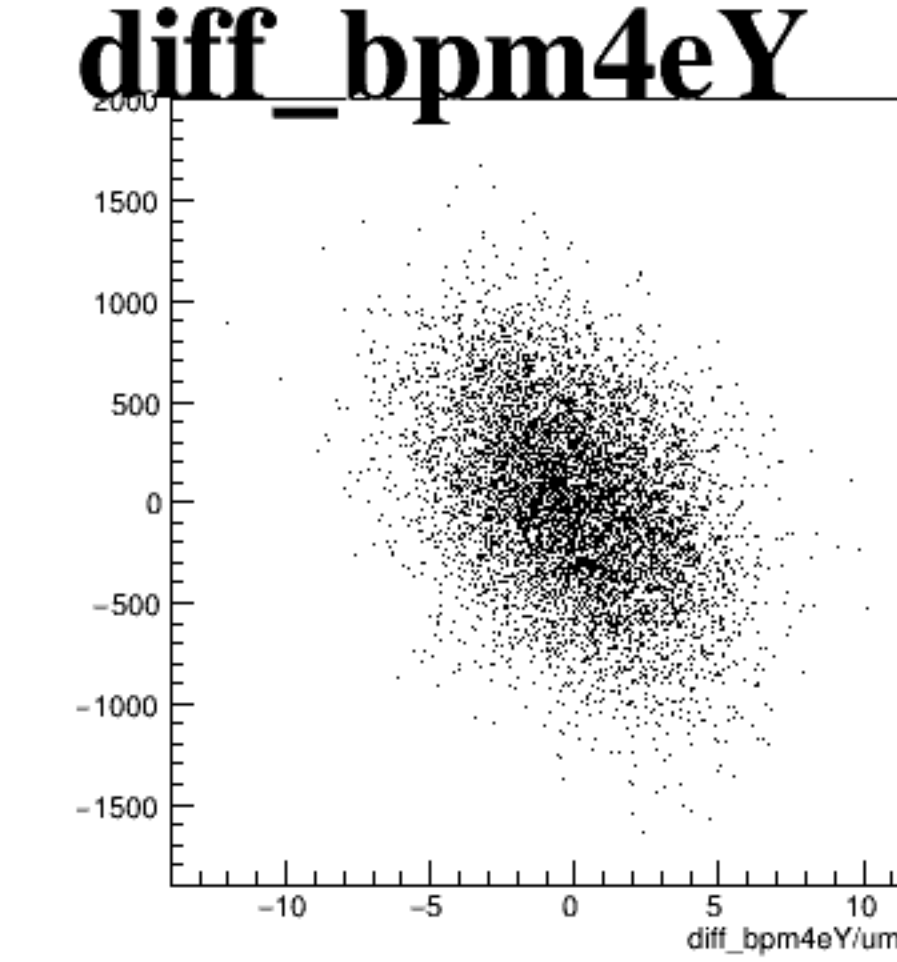
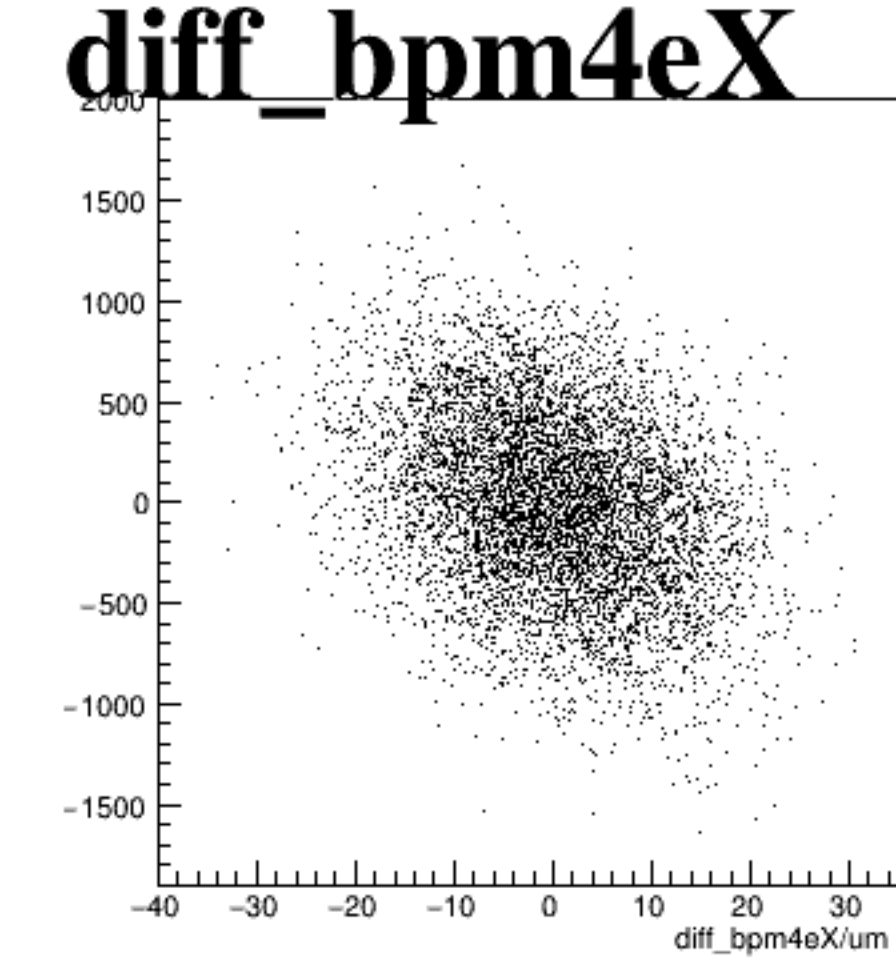
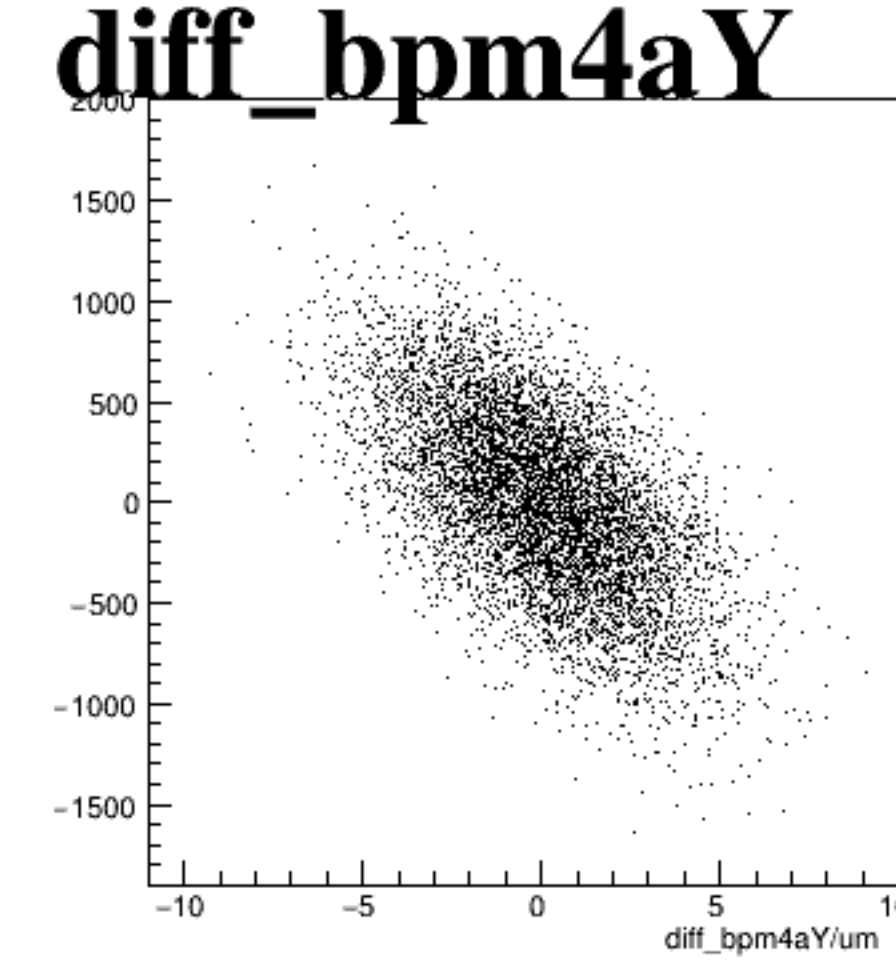
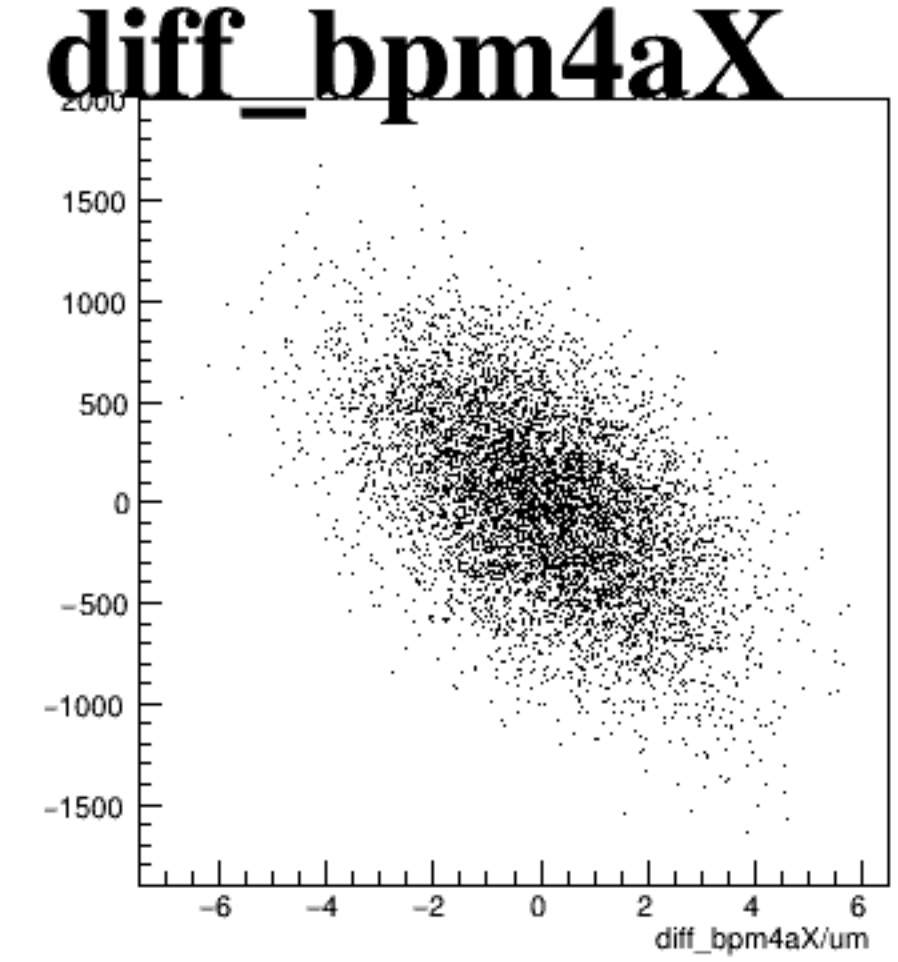
reg_asym_sam5



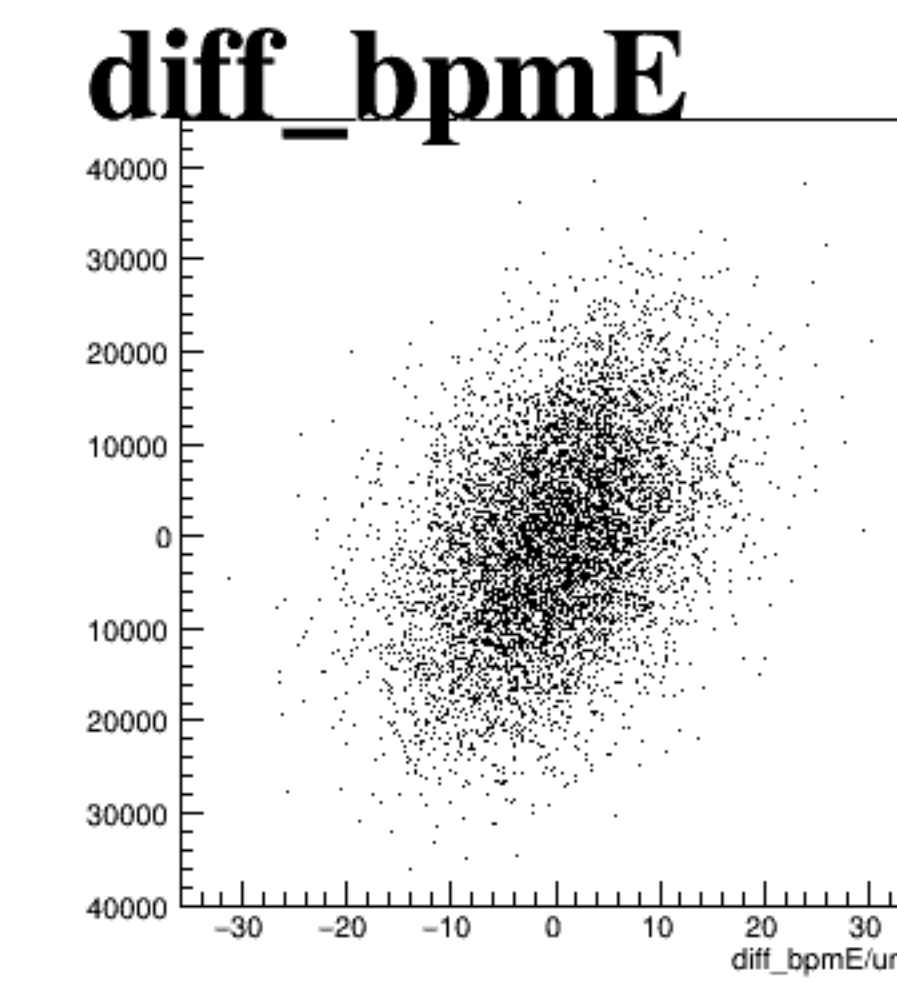
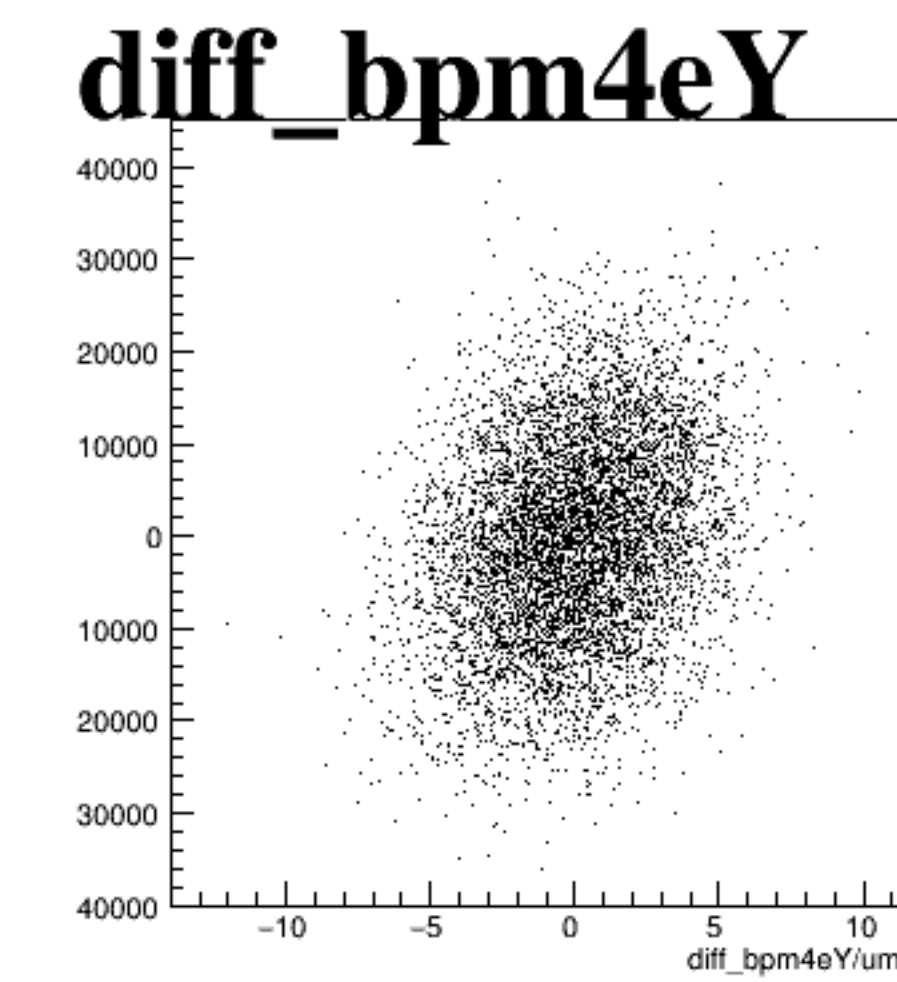
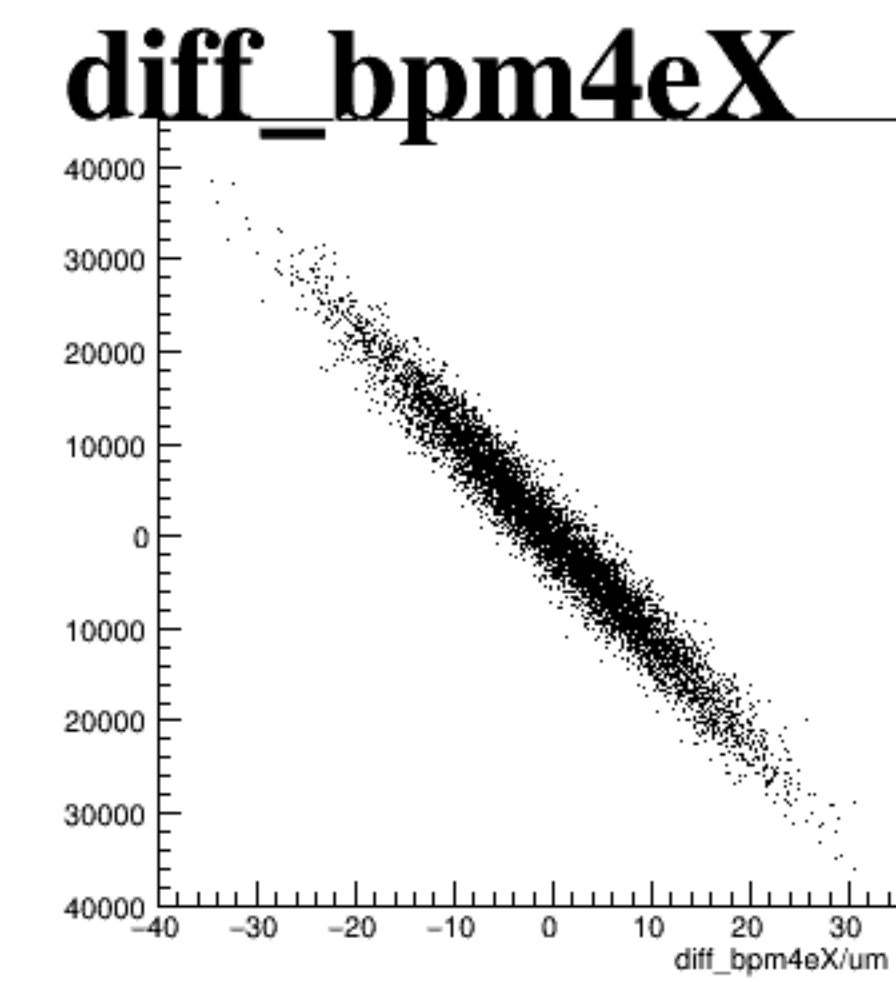
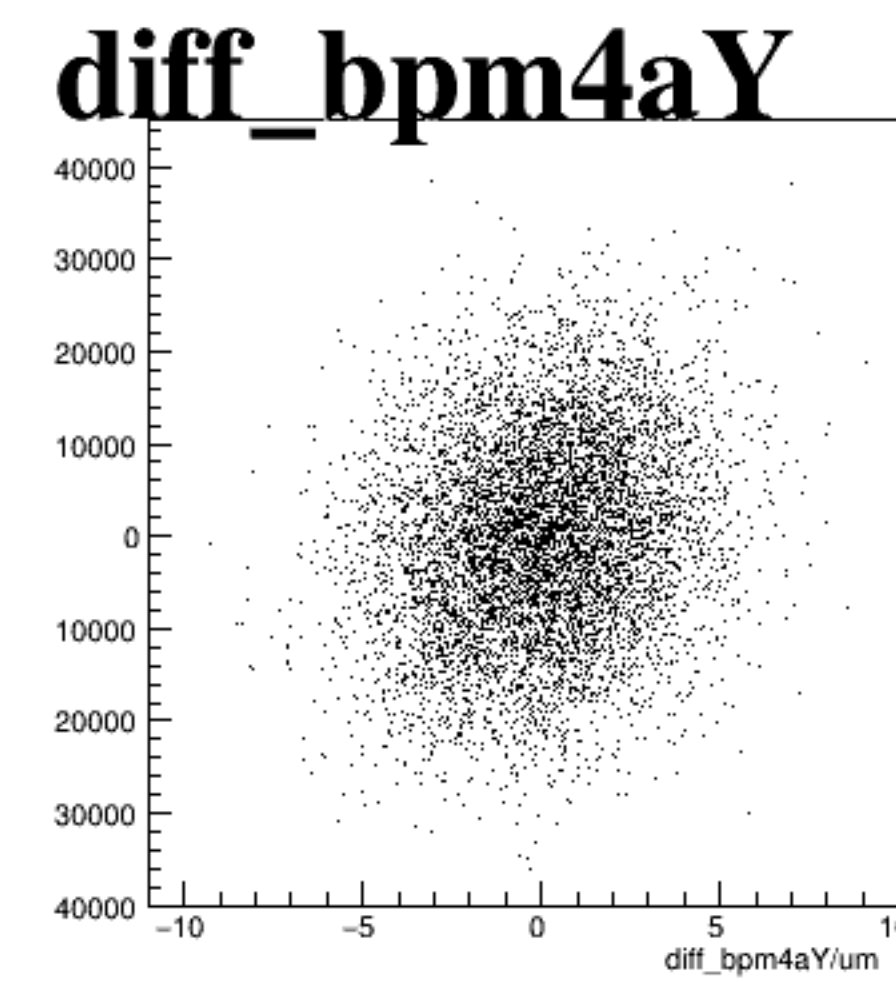
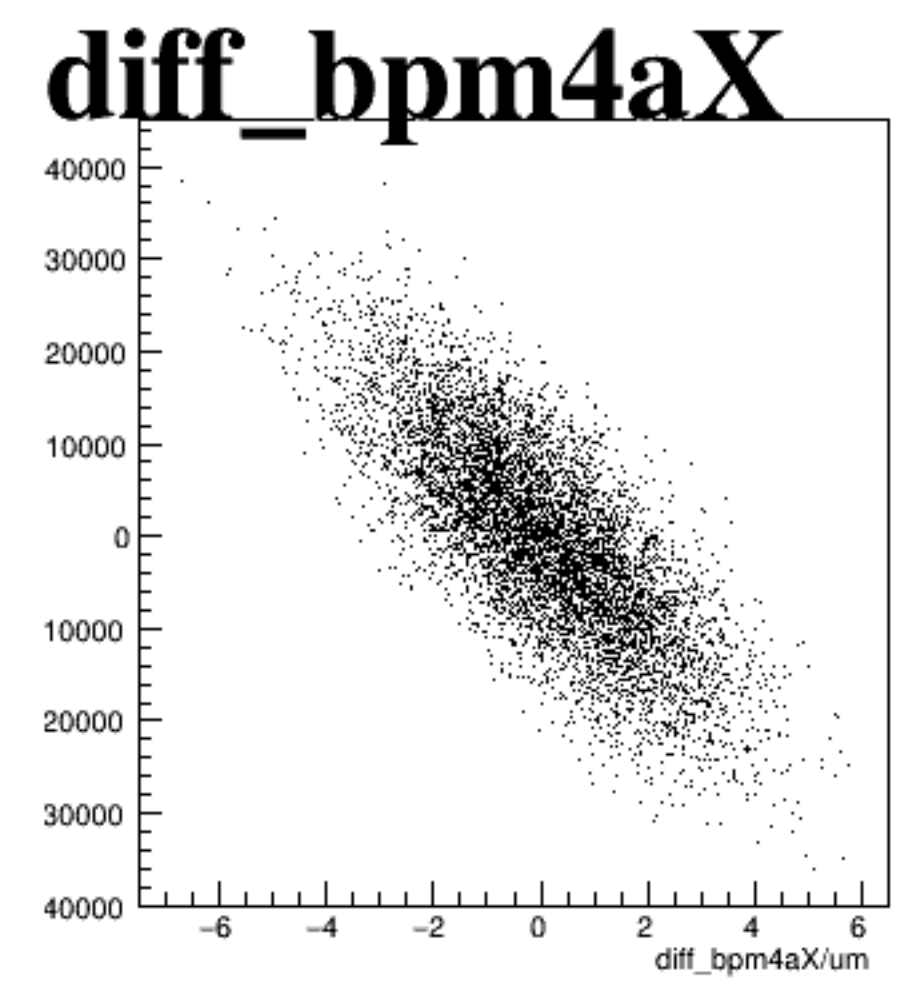
reg_asym_sam7



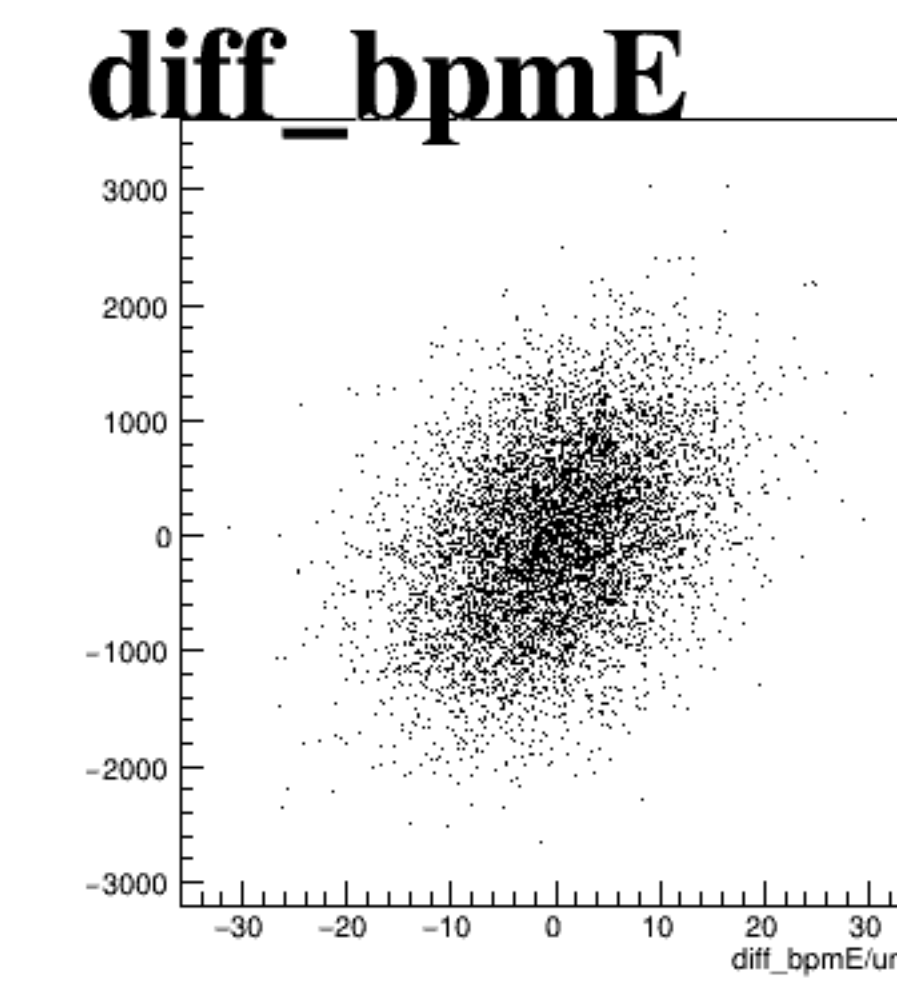
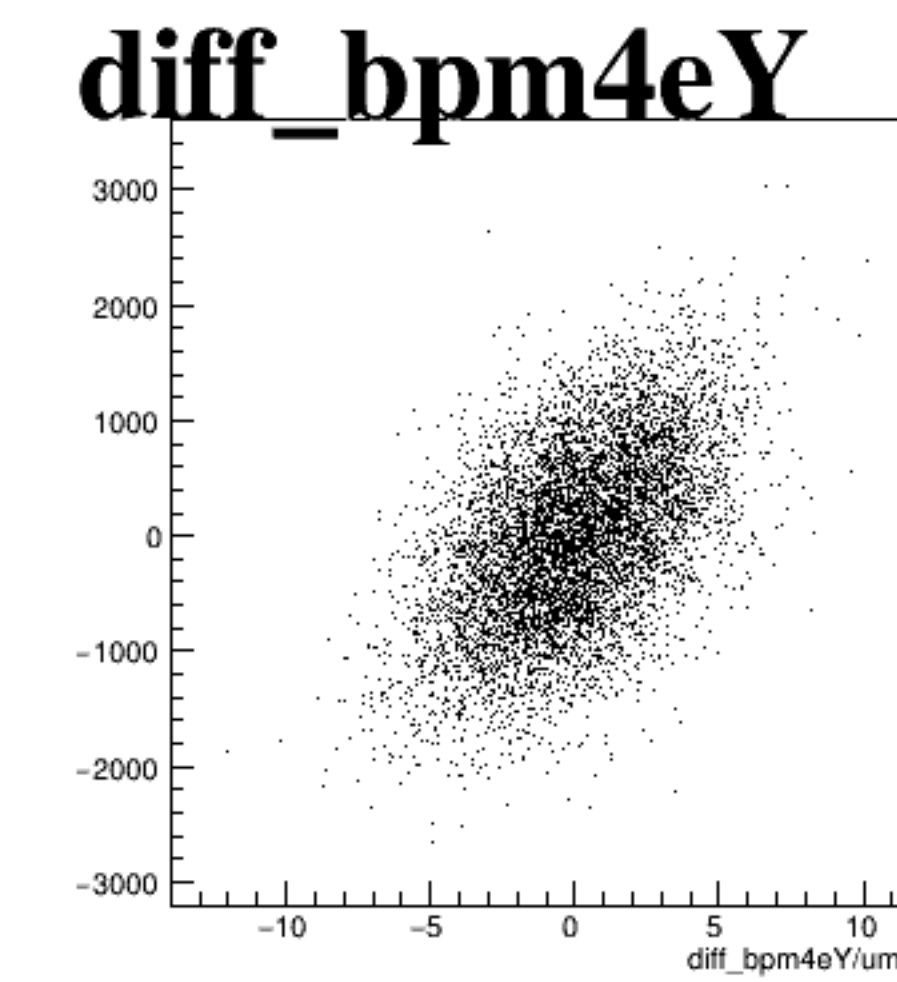
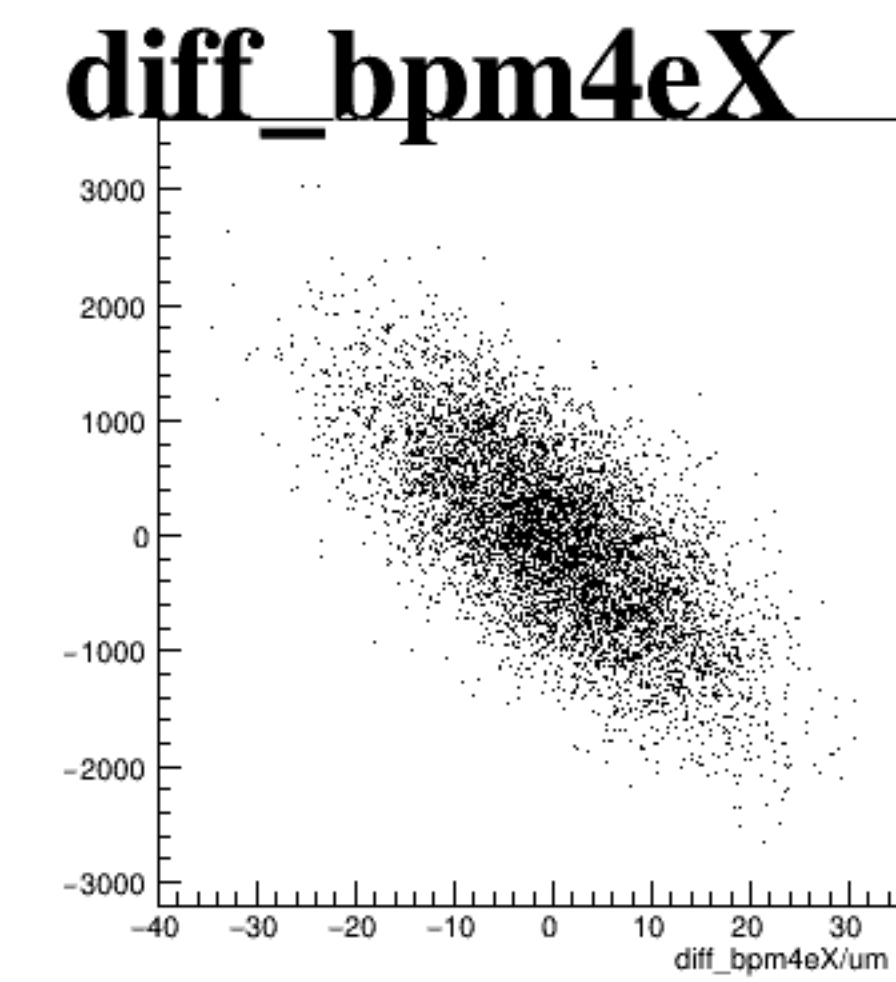
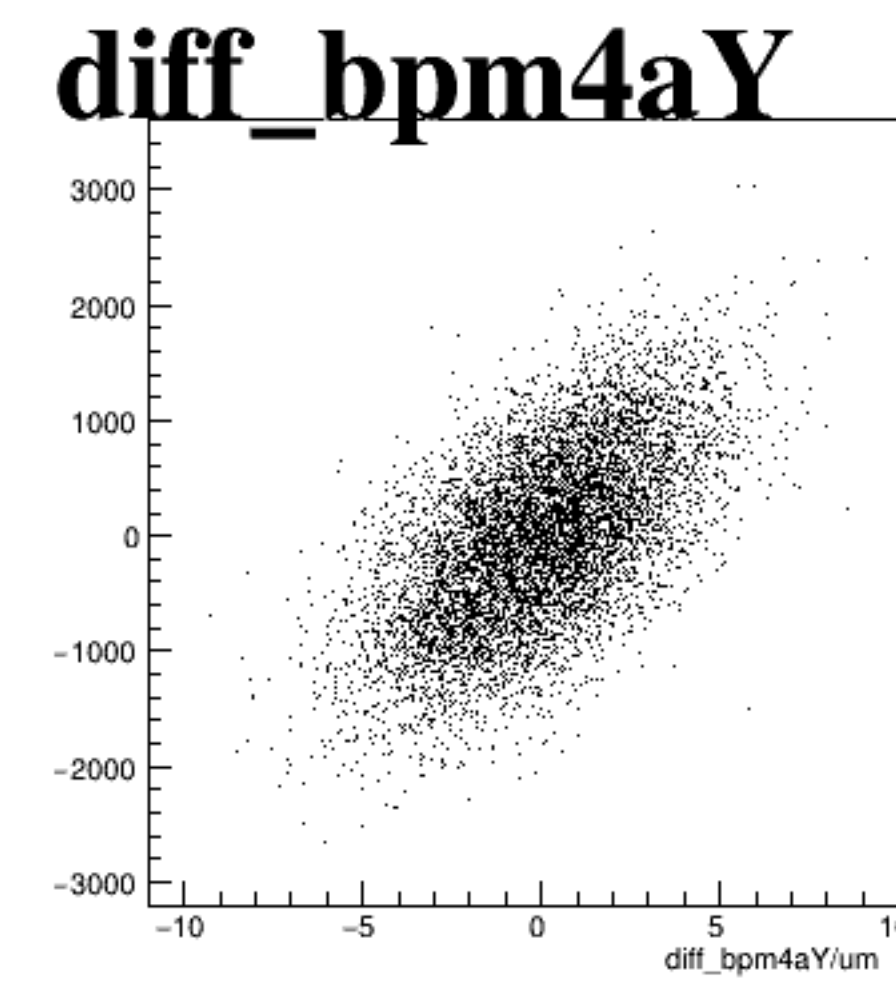
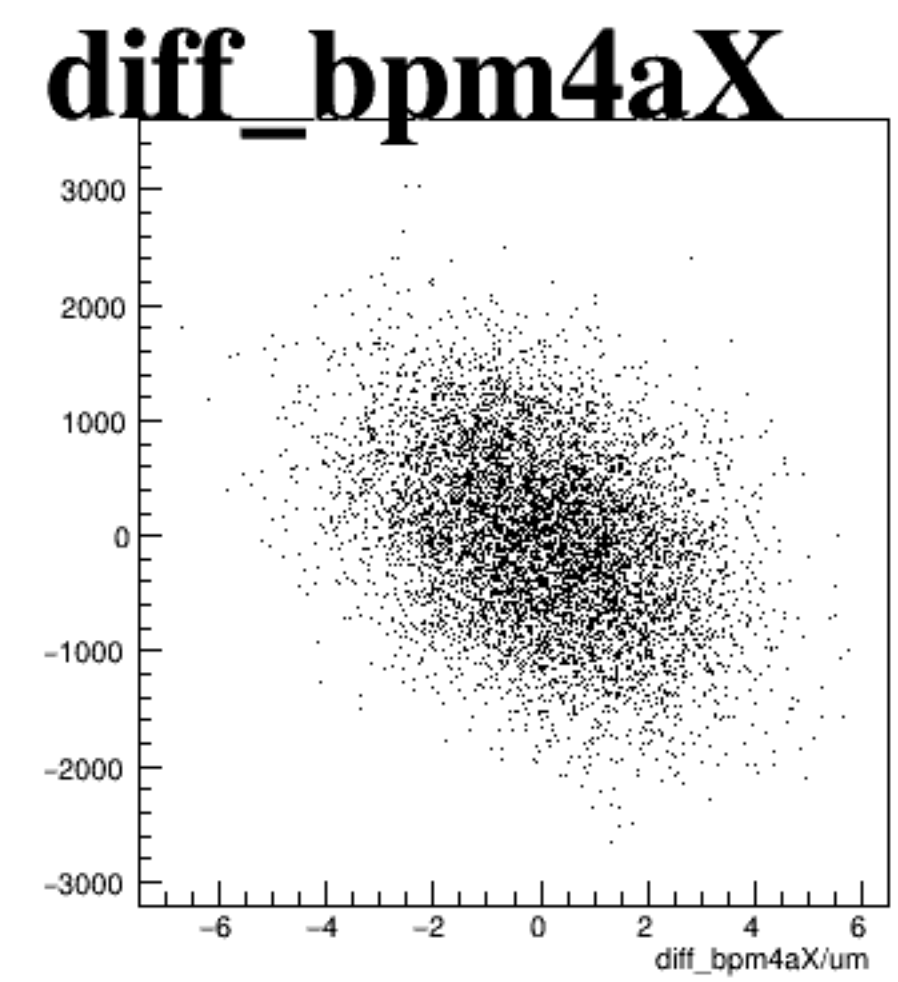
asym_sam1



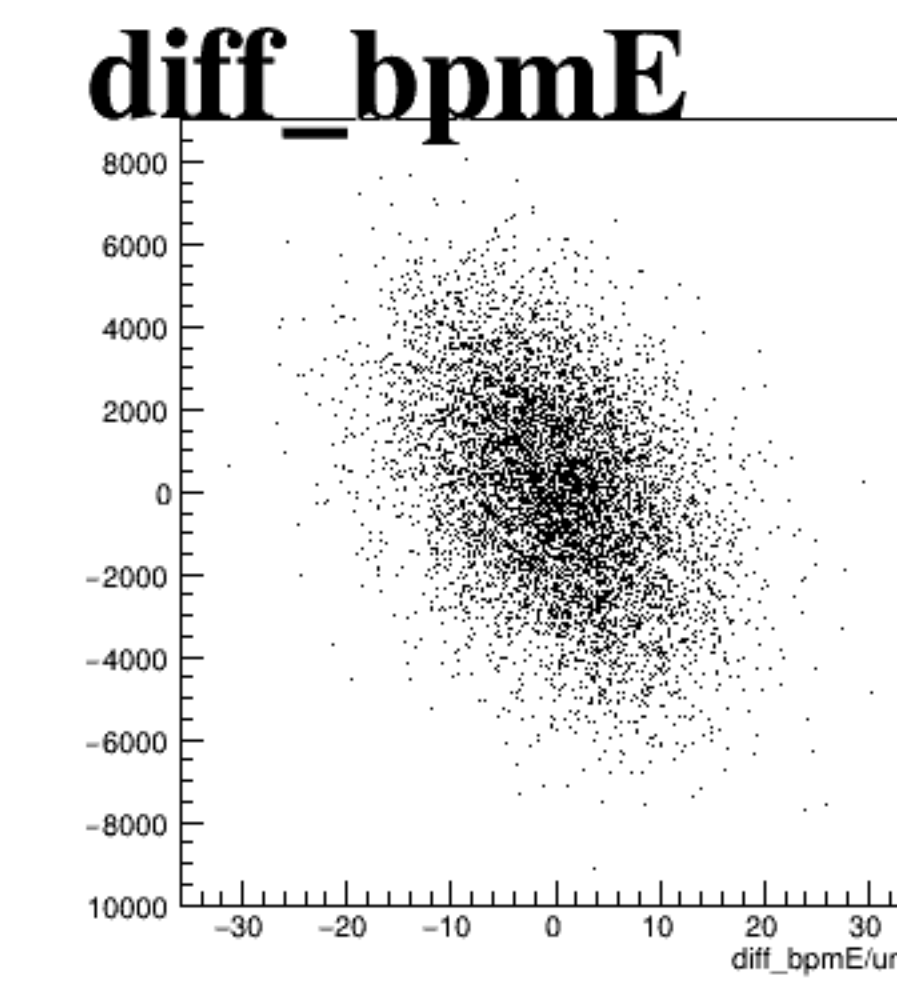
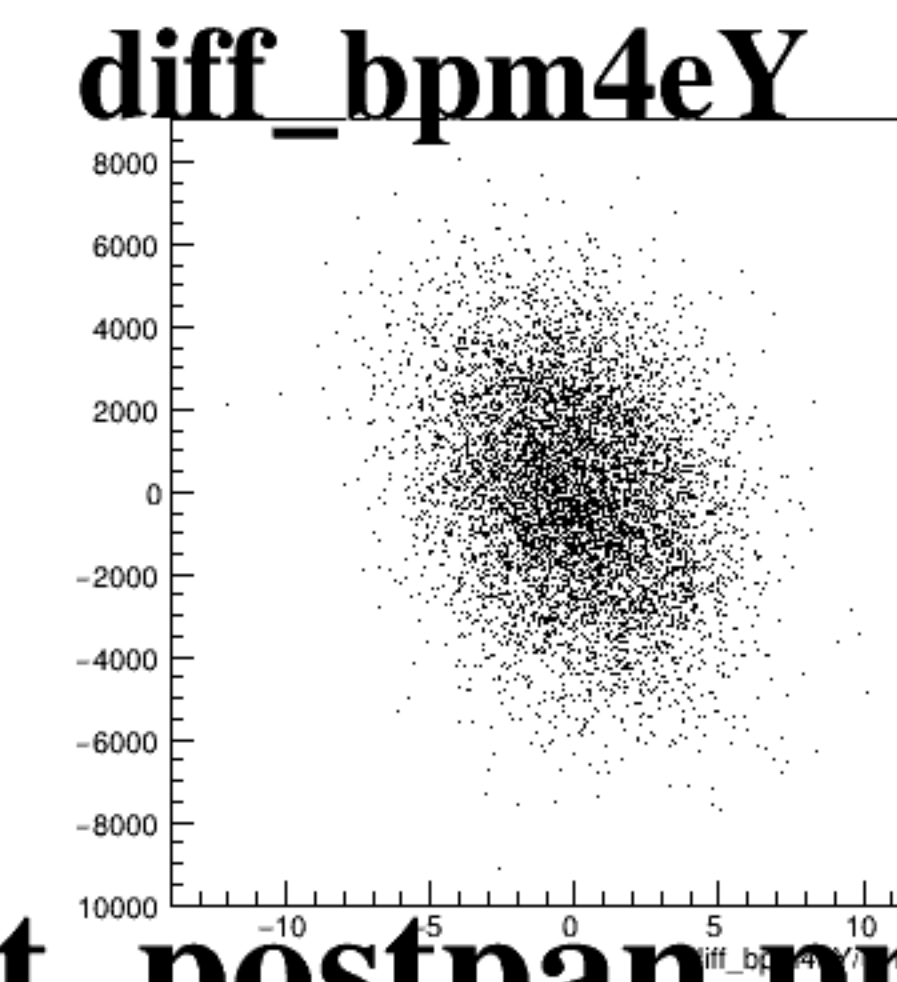
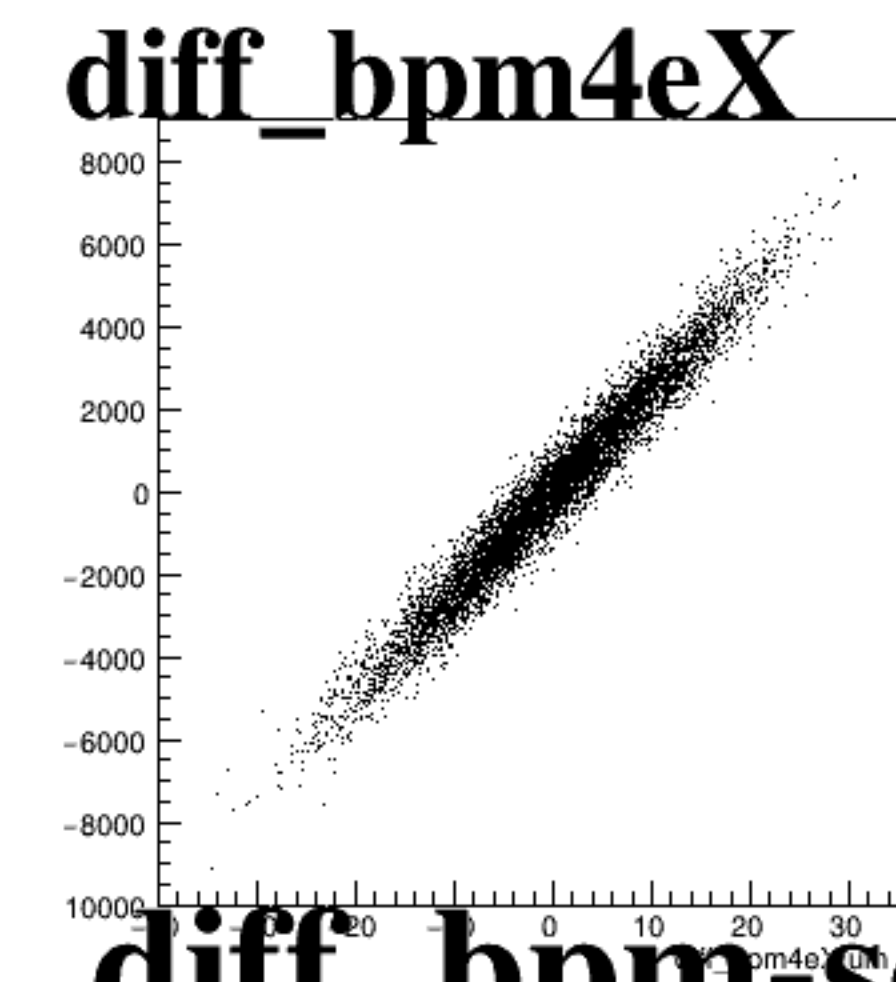
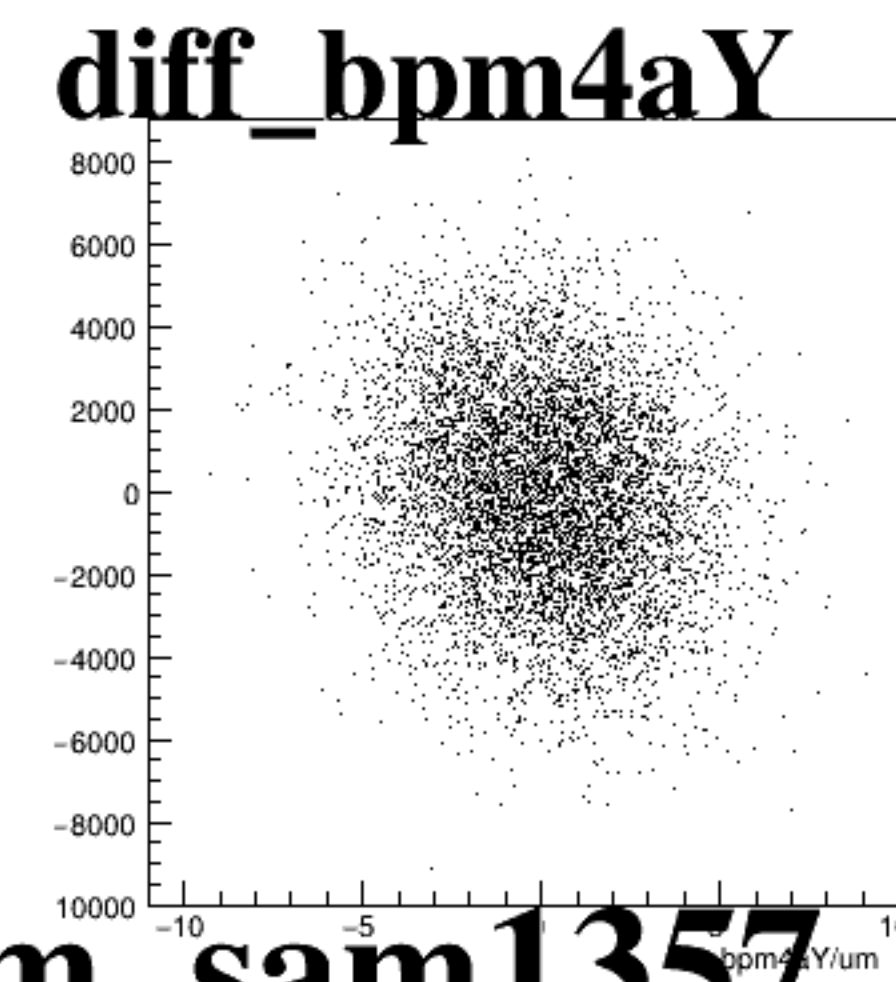
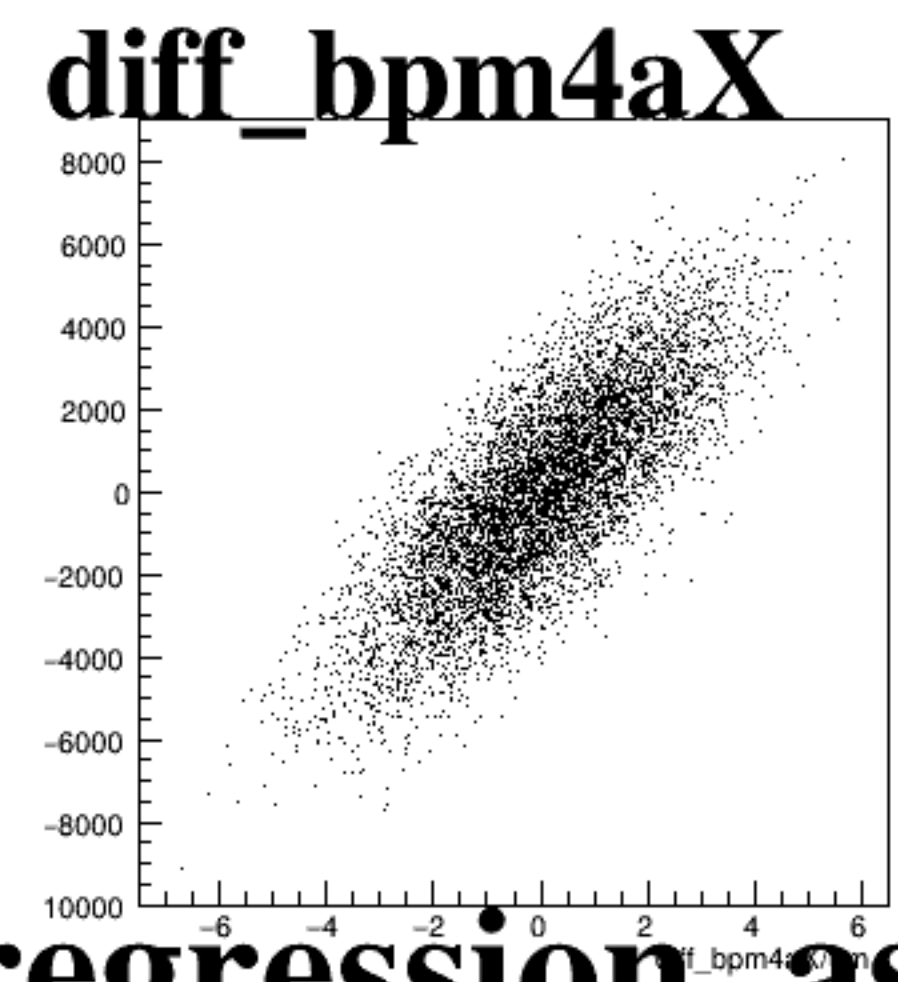
asym_sam3



asym_sam5



asym_sam7



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

- diff_bpm4aX**: The x-axis is labeled `diff_bpm4aX/um` and ranges from -6 to 6. The y-axis ranges from -6000 to 6000.
- diff_bpm4aY**: The x-axis is labeled `diff_bpm4aY/um` and ranges from -10 to 10. The y-axis ranges from -6000 to 6000.
- diff_bpm4eX**: The x-axis is labeled `diff_bpm4eX/um` and ranges from -40 to 30. The y-axis ranges from -6000 to 6000.
- diff_bpm4eY**: The x-axis is labeled `diff_bpm4eY/um` and ranges from -10 to 10. The y-axis ranges from -6000 to 6000.
- diff_bpmE**: The x-axis is labeled `diff_bpmE/um` and ranges from -30 to 30. The y-axis ranges from -6000 to 6000.

In all plots, the data points are densely clustered around the origin (0,0), indicating that the differences in BPM between the models are generally small and centered around zero.

run3437_000_regression_reg_sam1357_vs_diff_bpm-scat_postpan.png