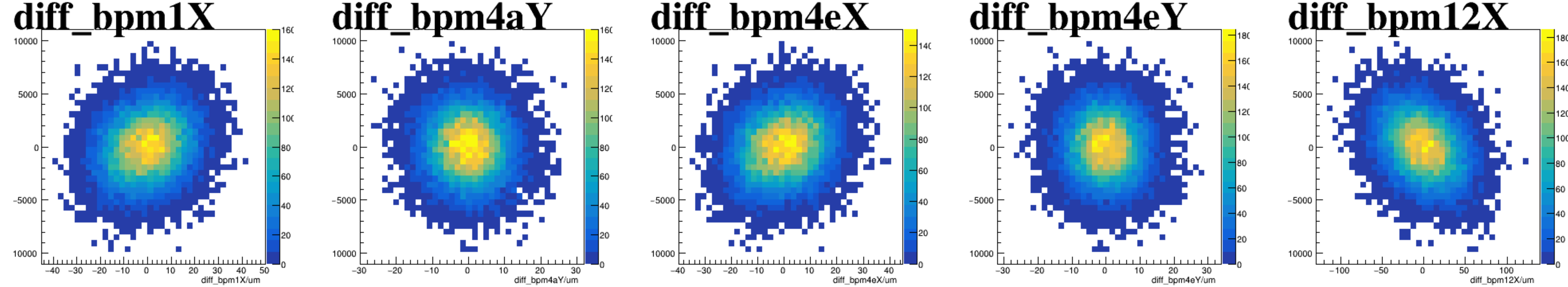
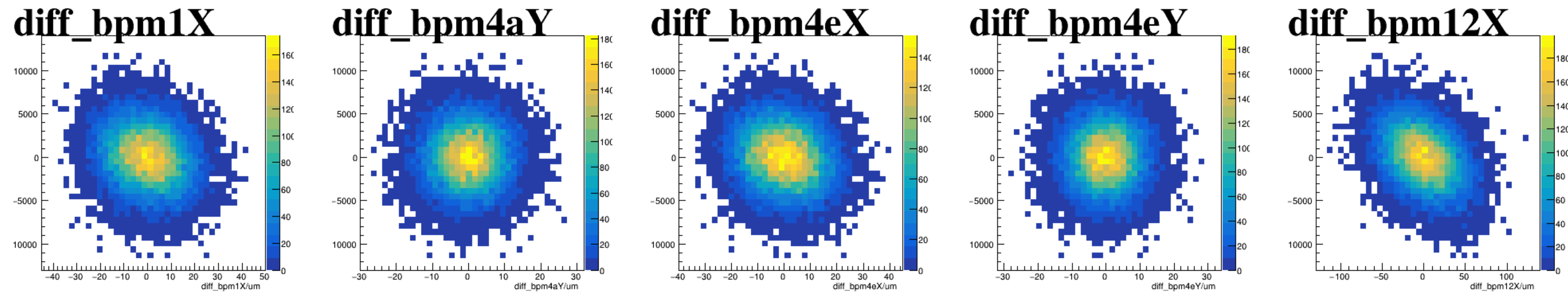


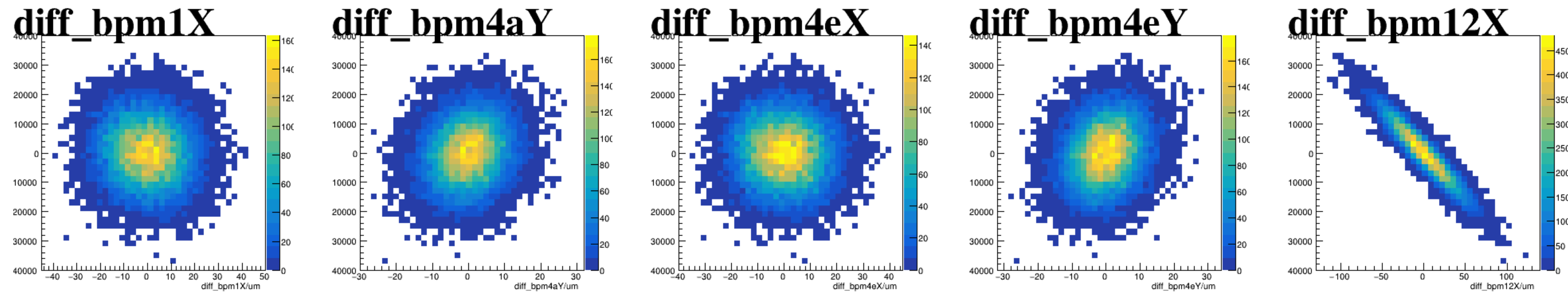
asym_atl1



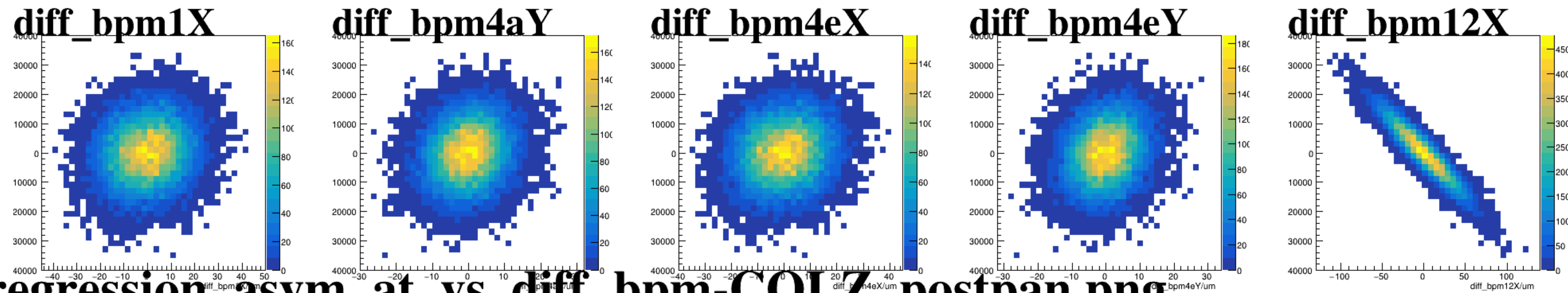
asym_atr1



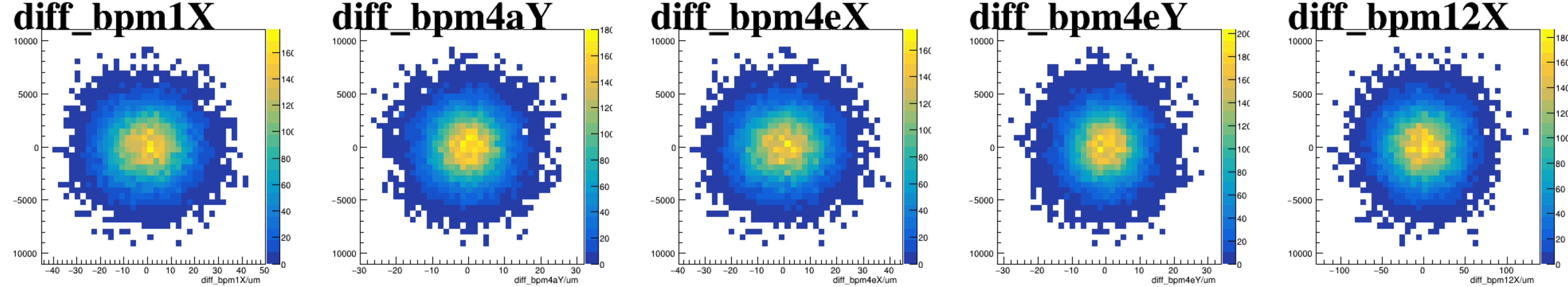
asym_atl2



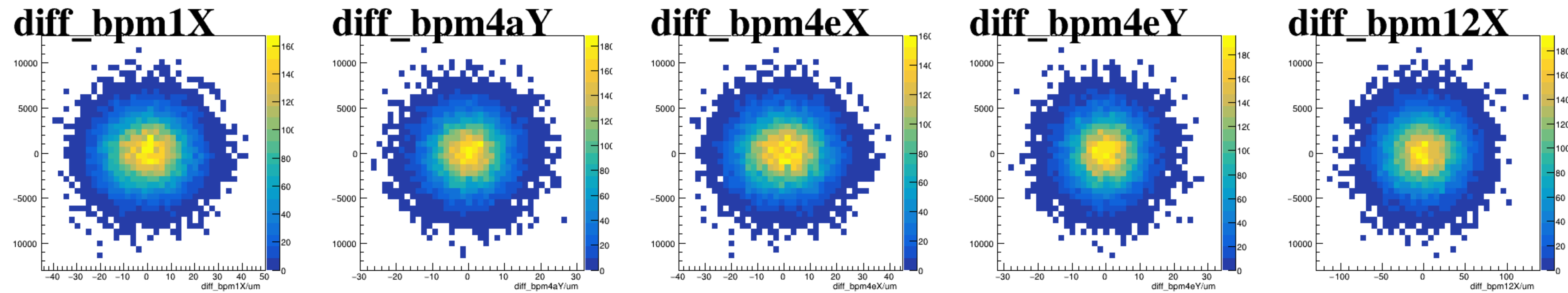
asym_atr2



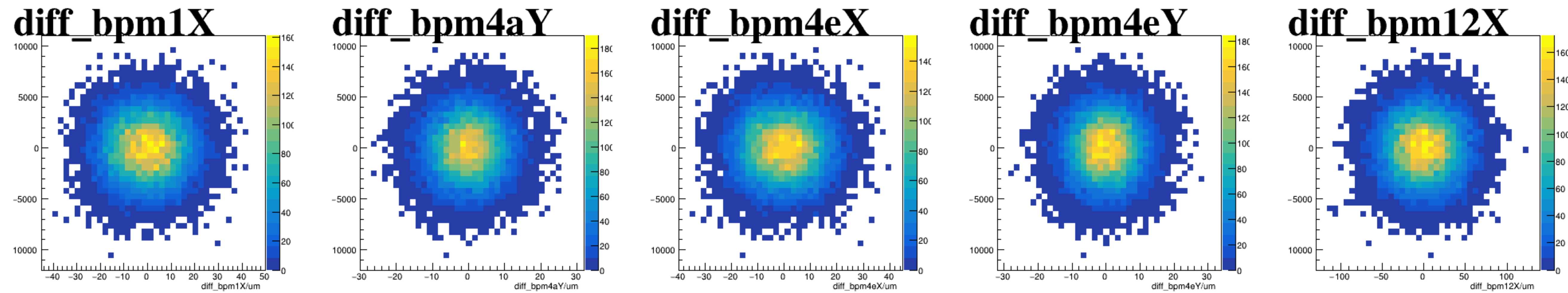
reg_asym_atl1



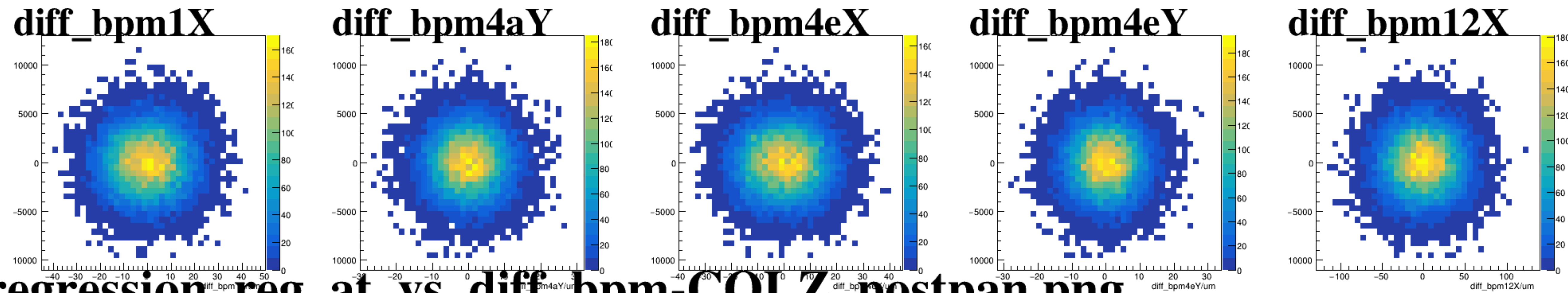
reg_asym_atr1



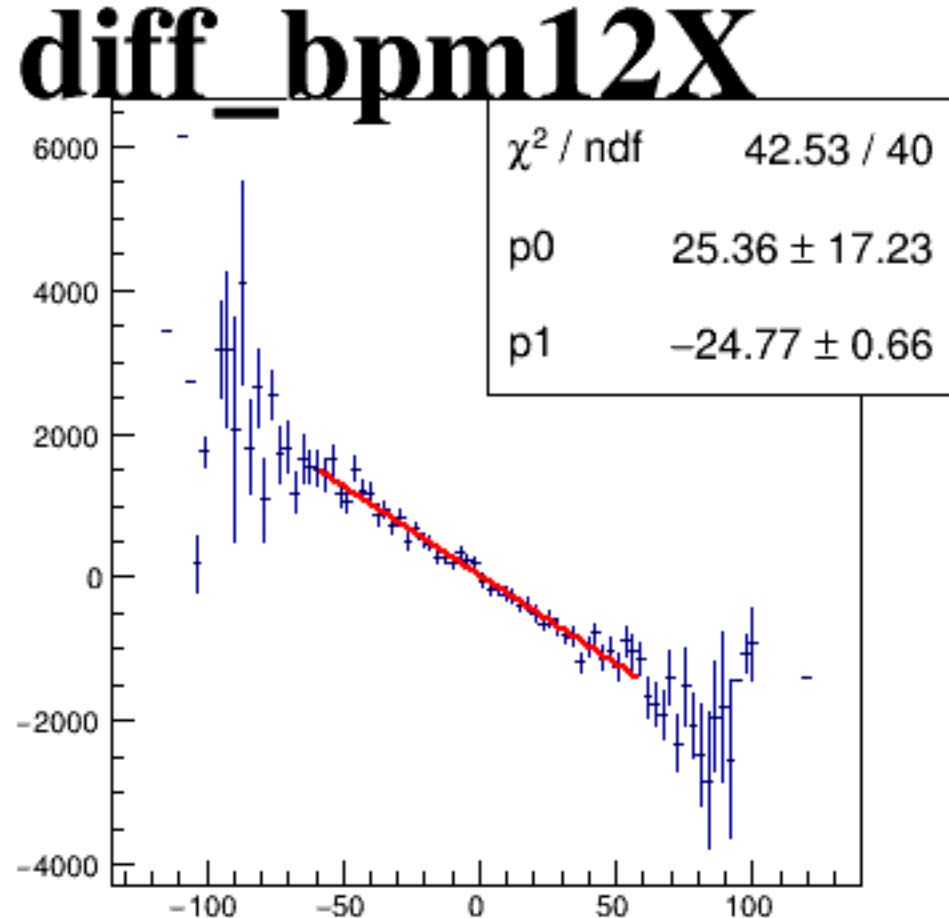
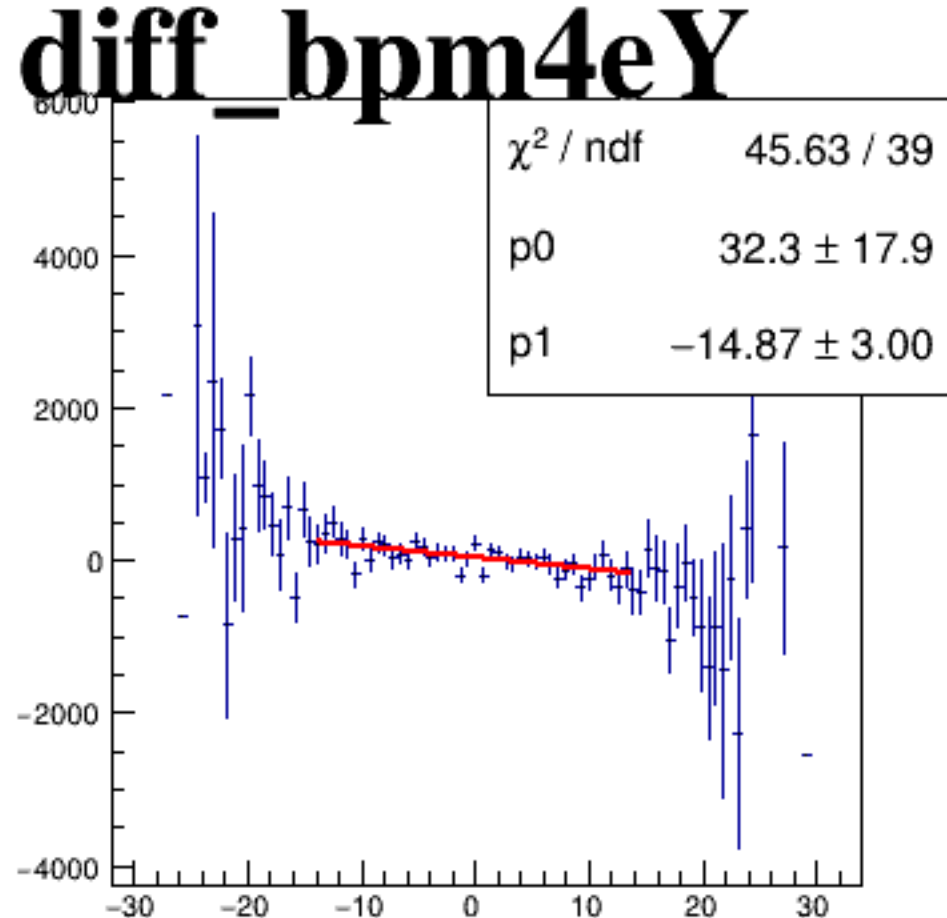
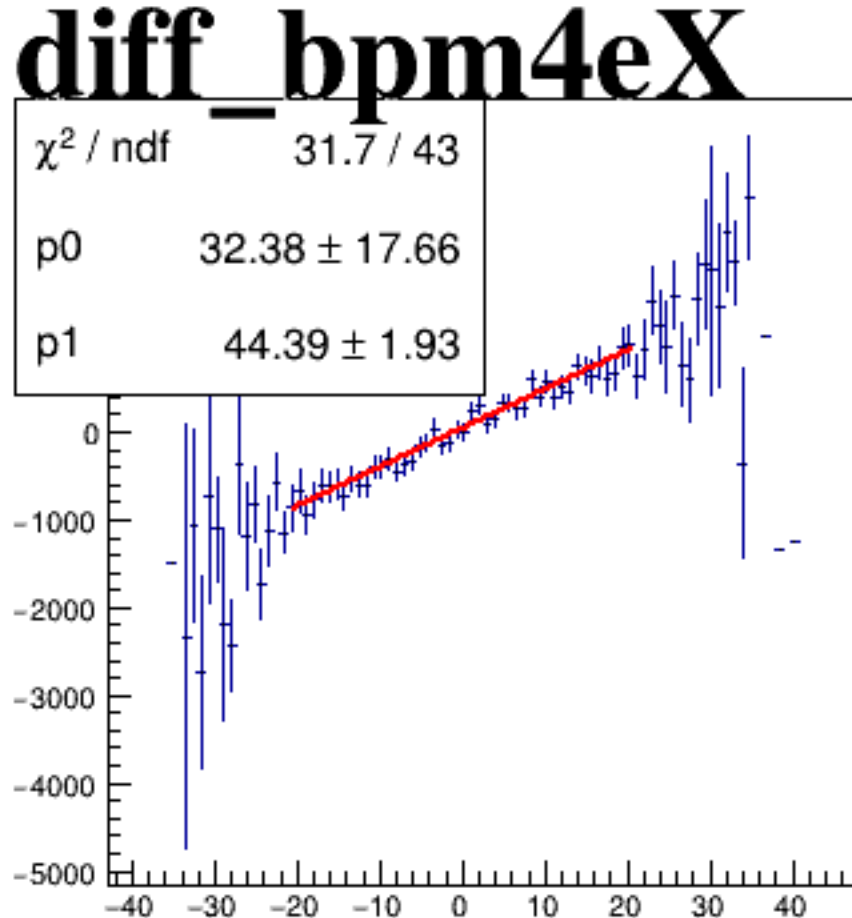
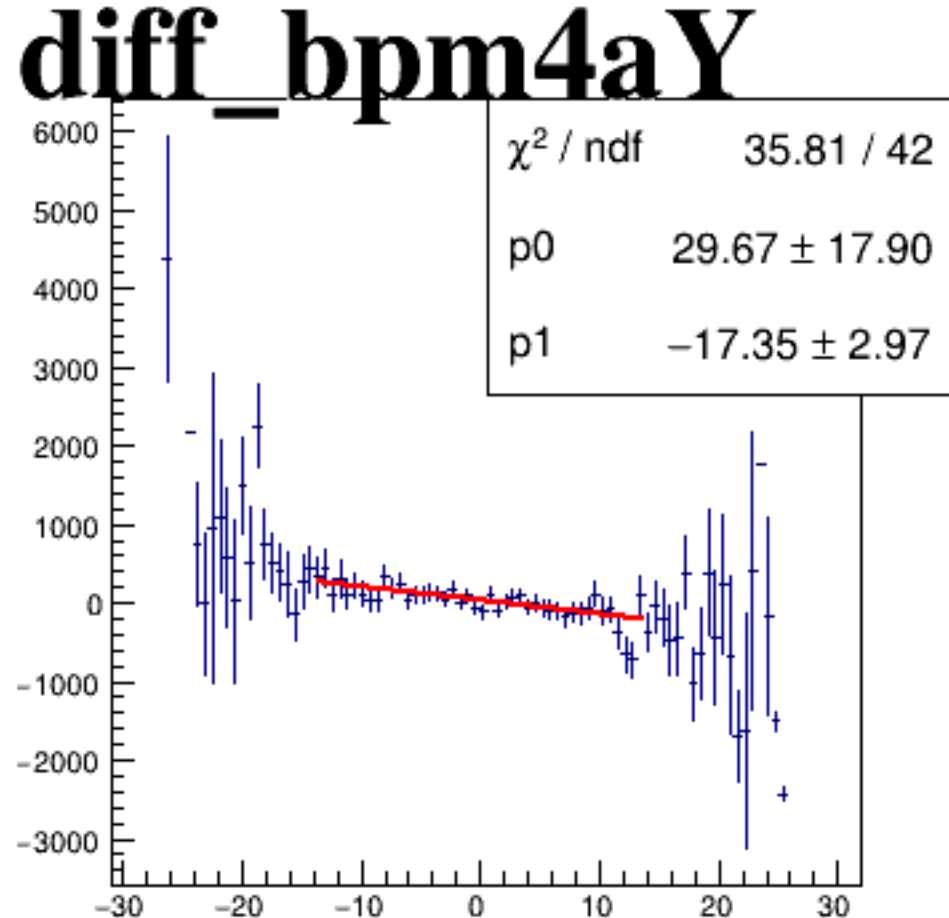
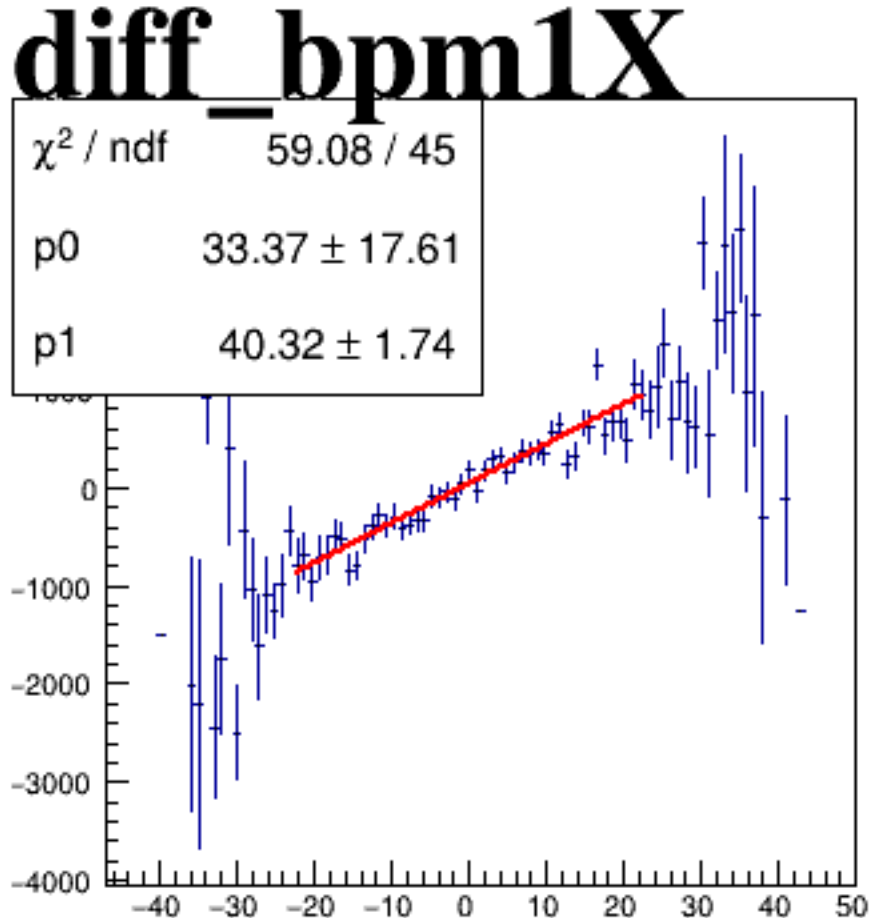
reg_asym_atl2



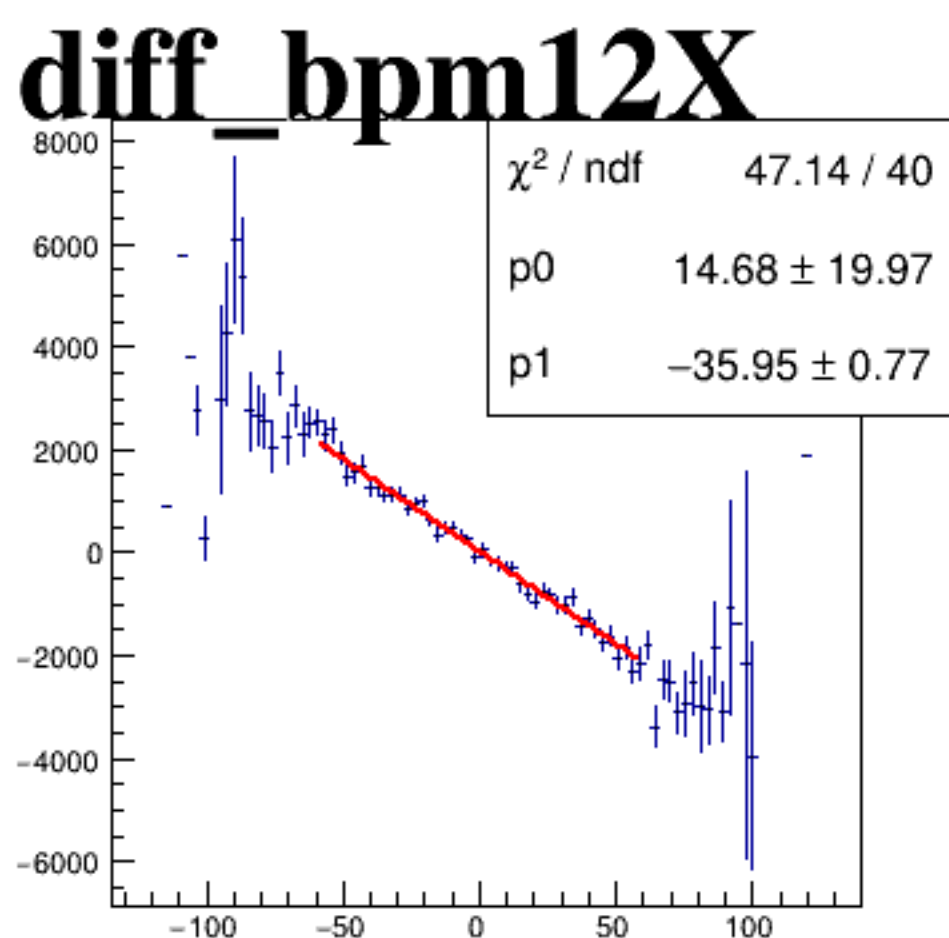
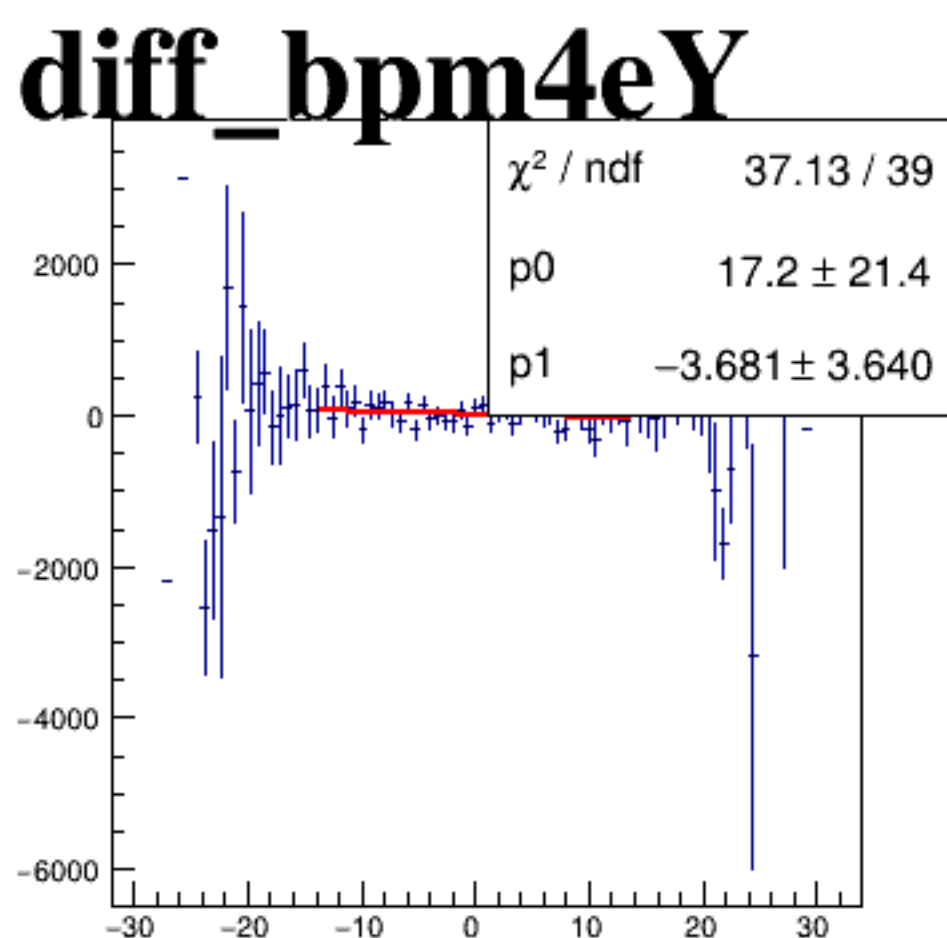
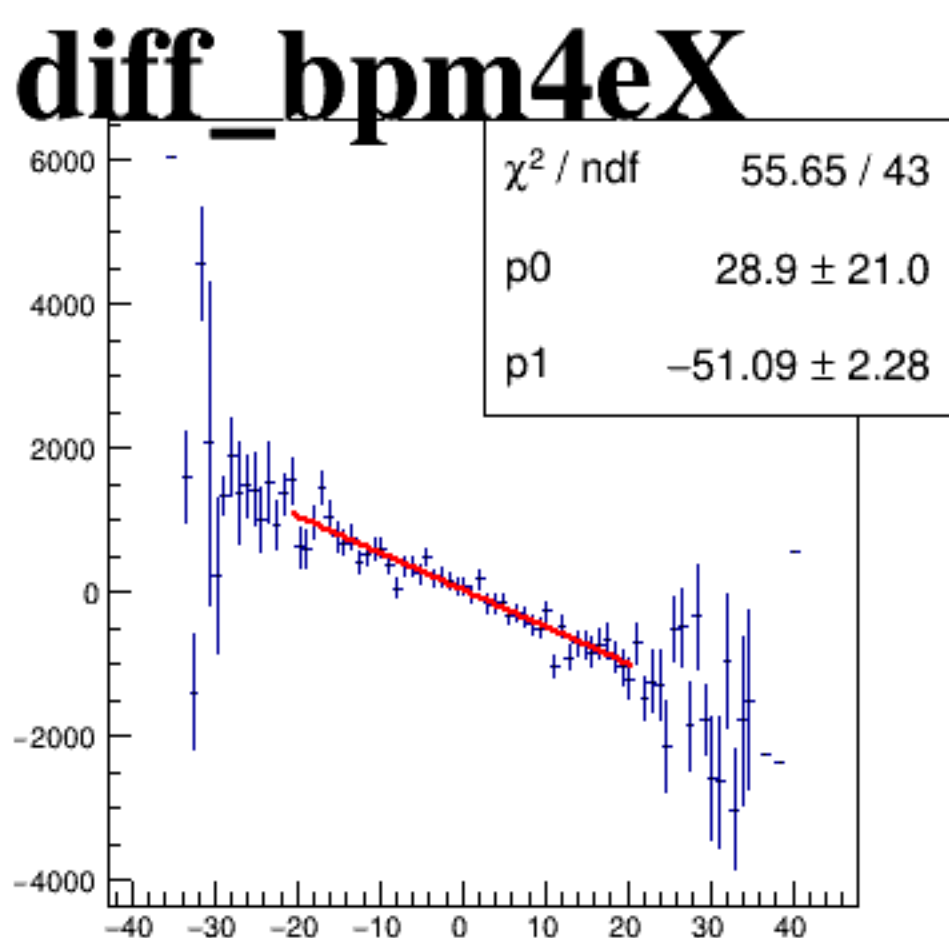
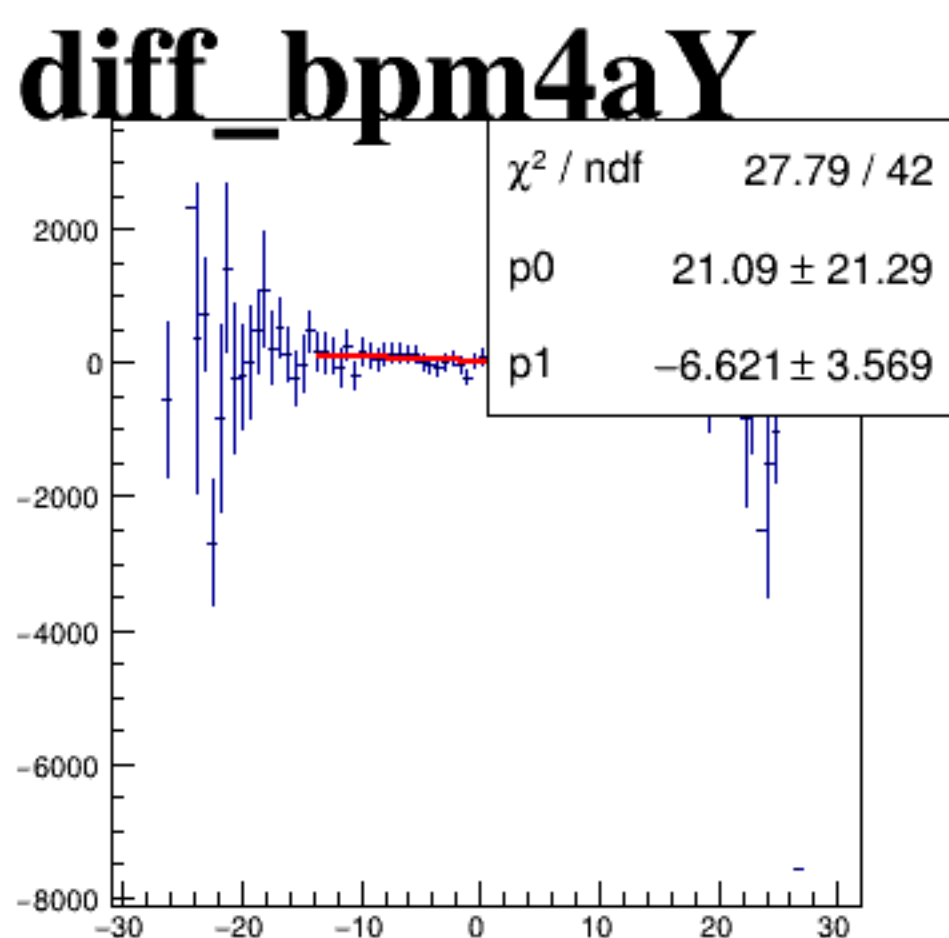
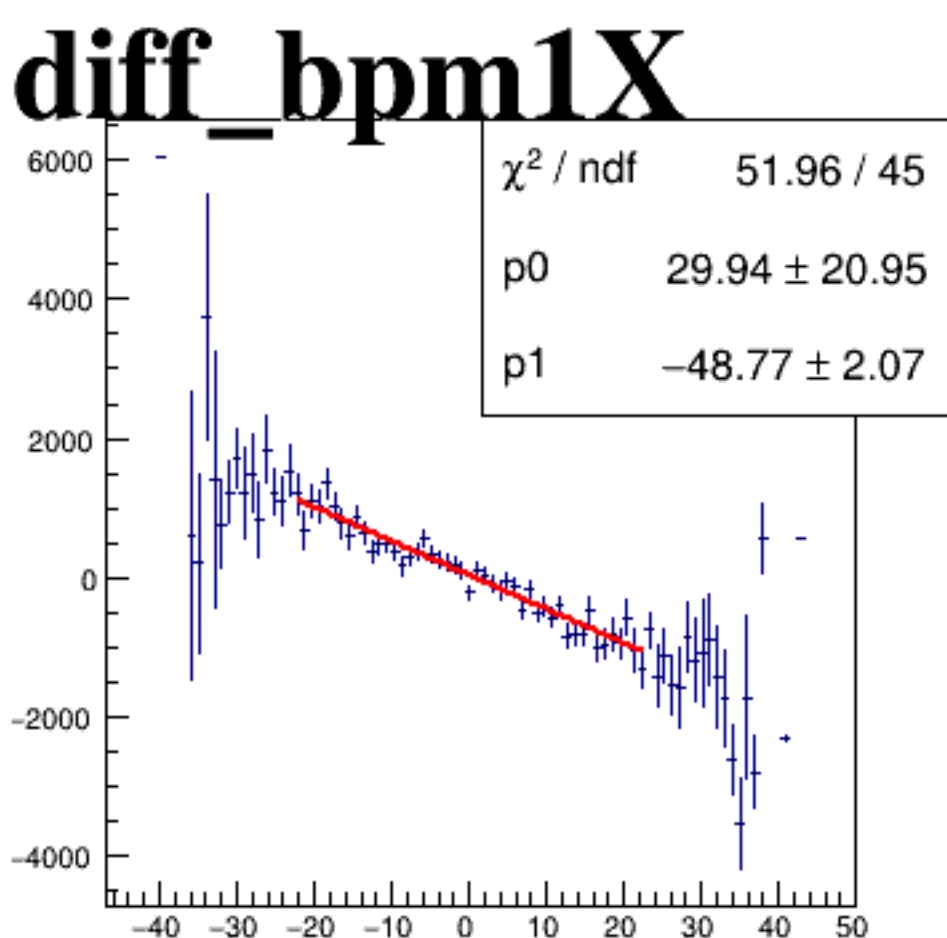
reg_asym_atr2



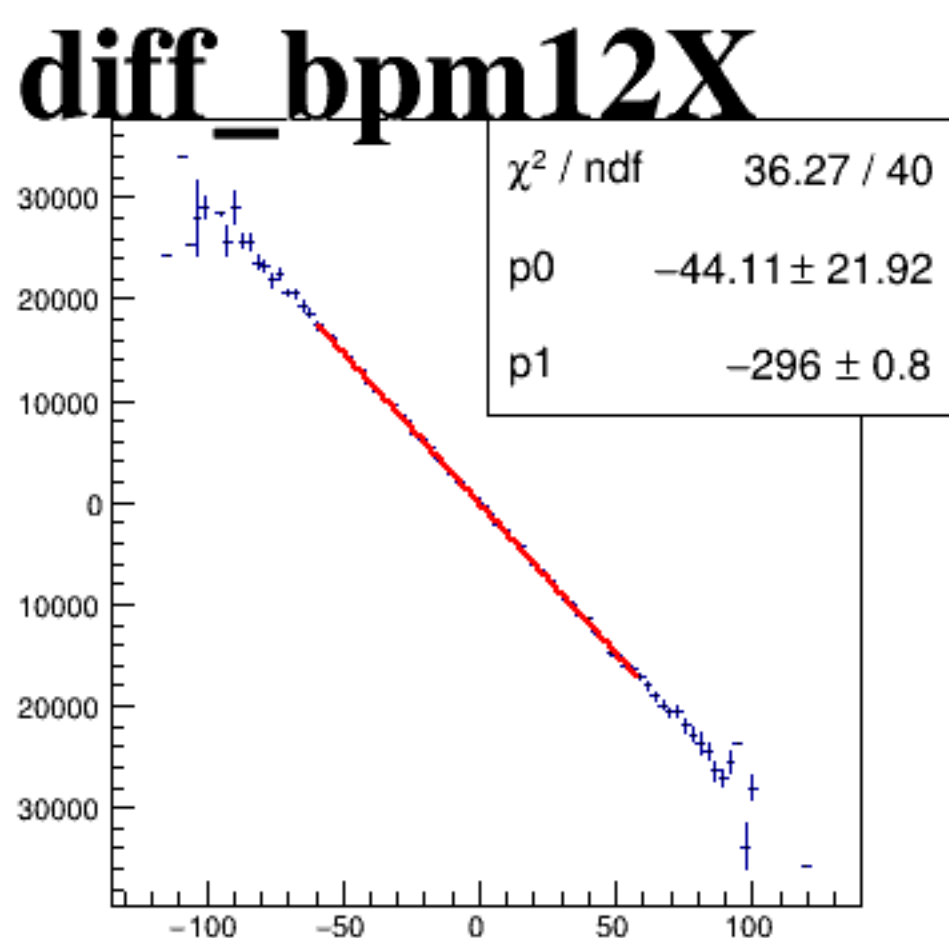
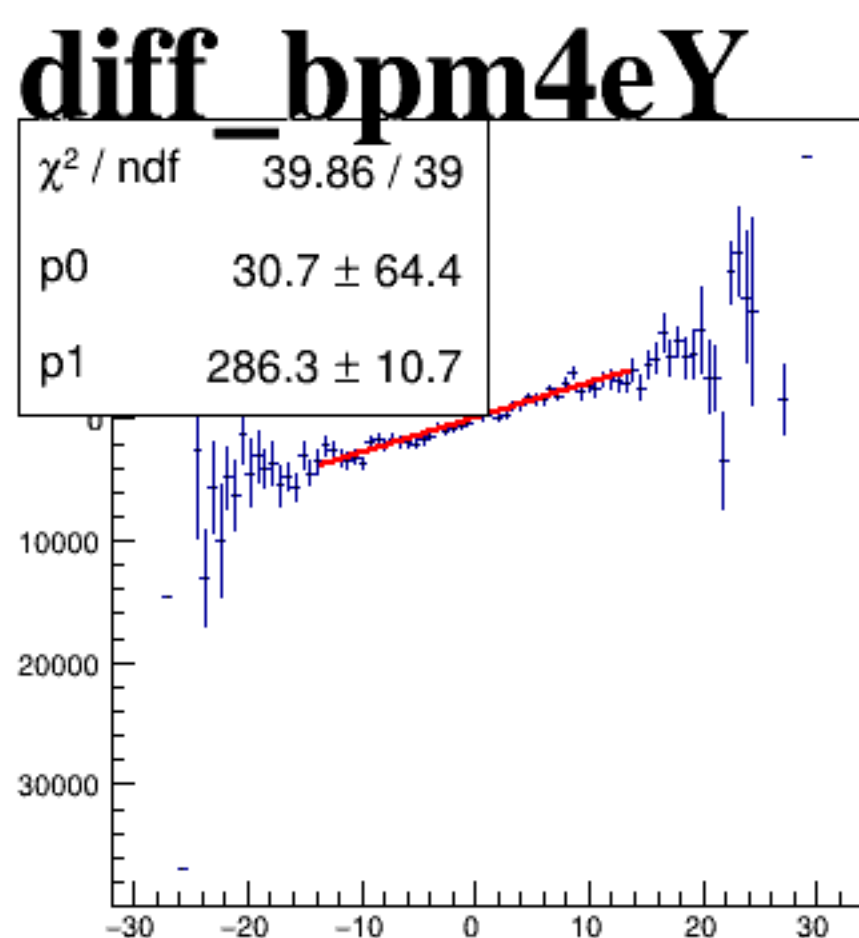
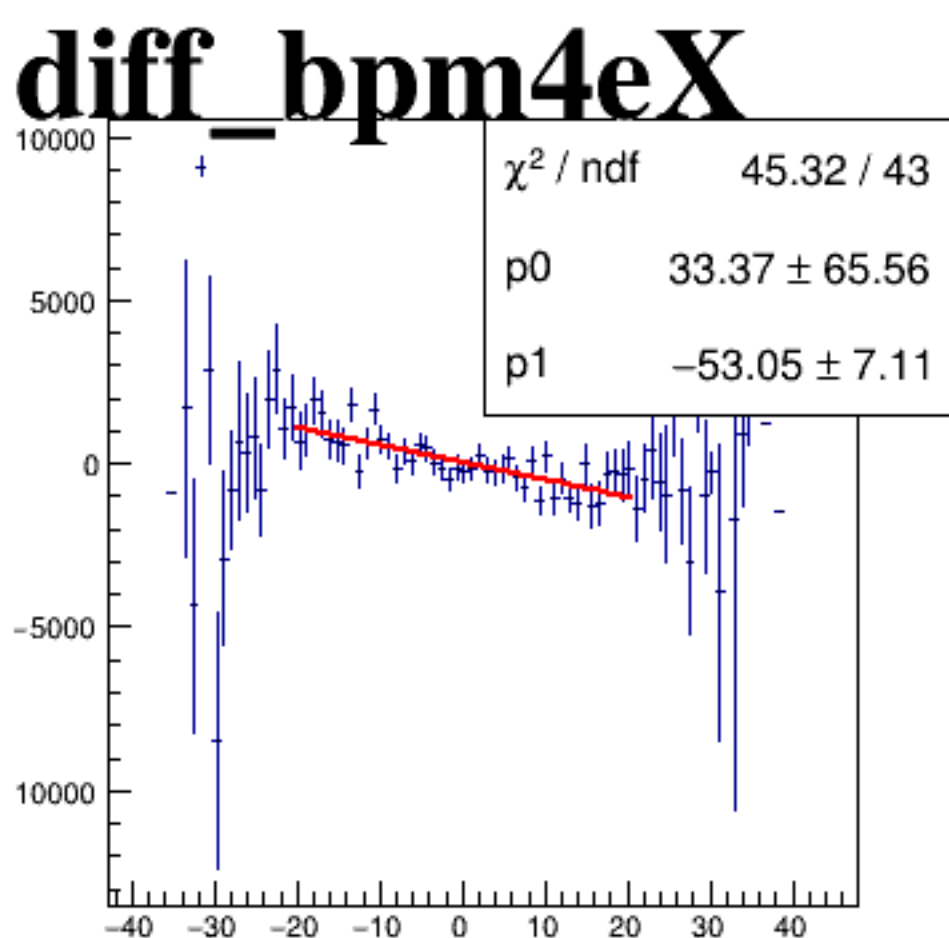
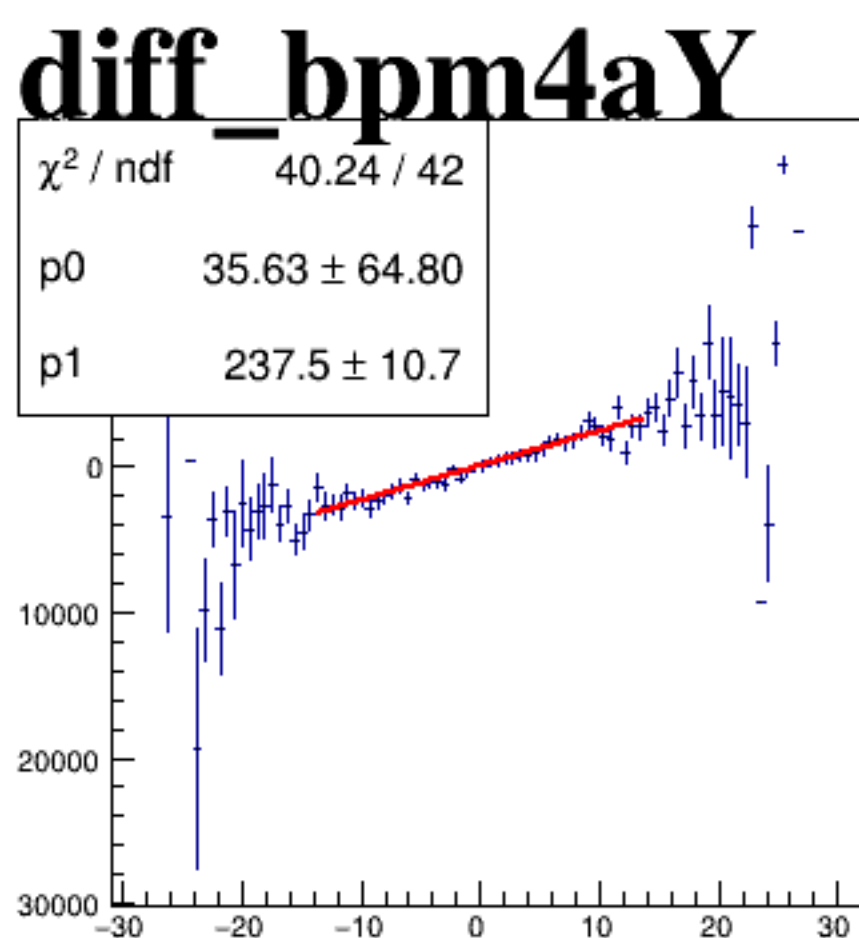
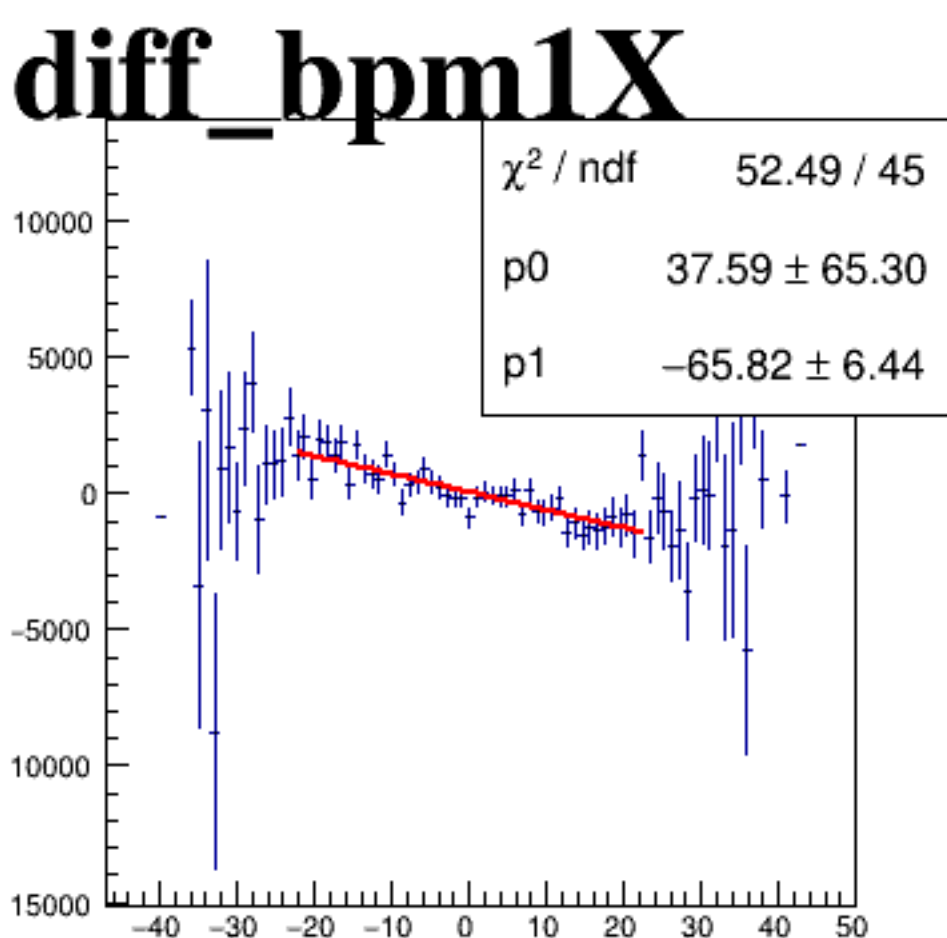
asym_atl1



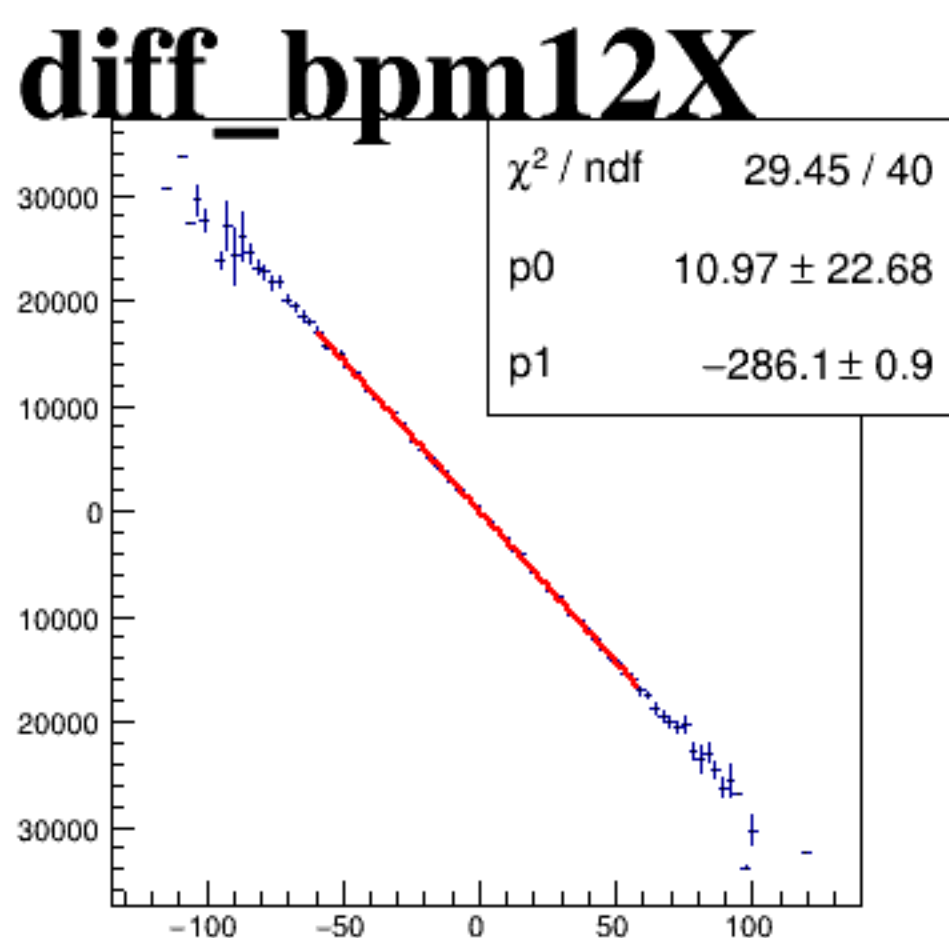
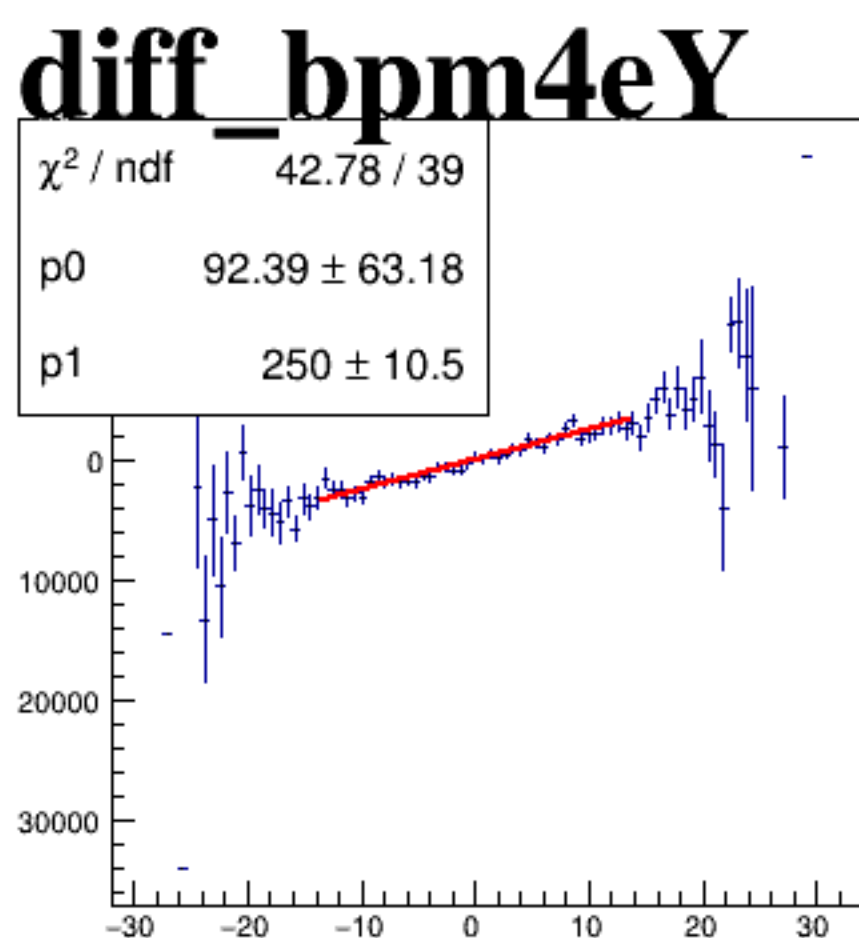
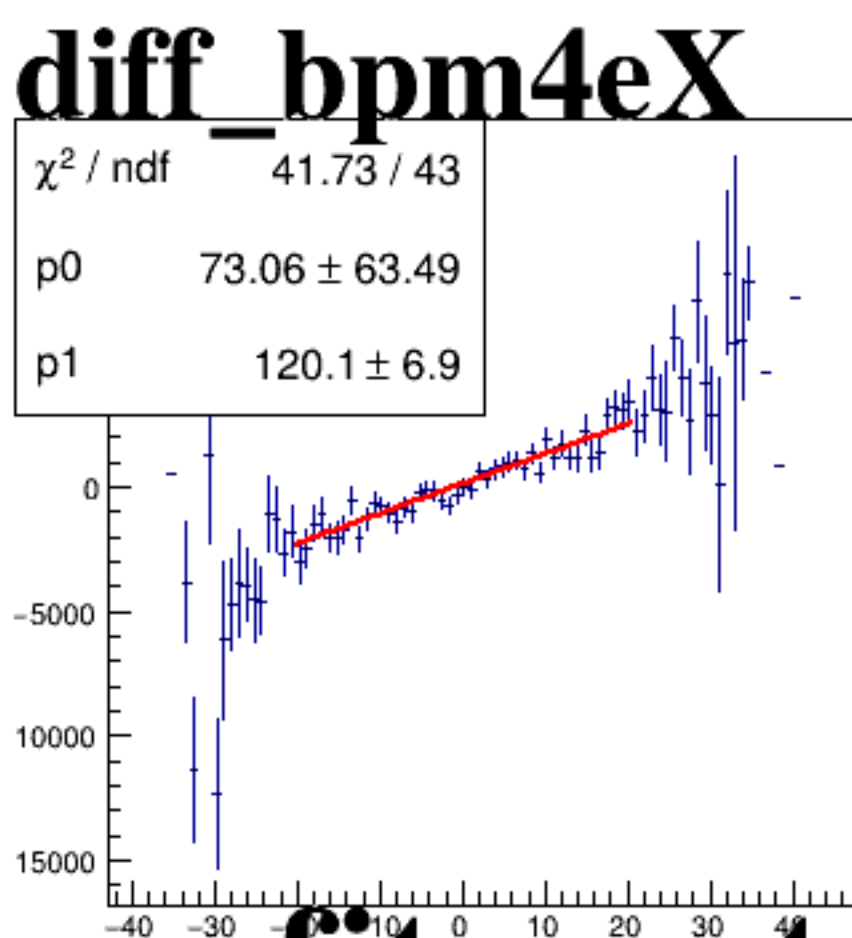
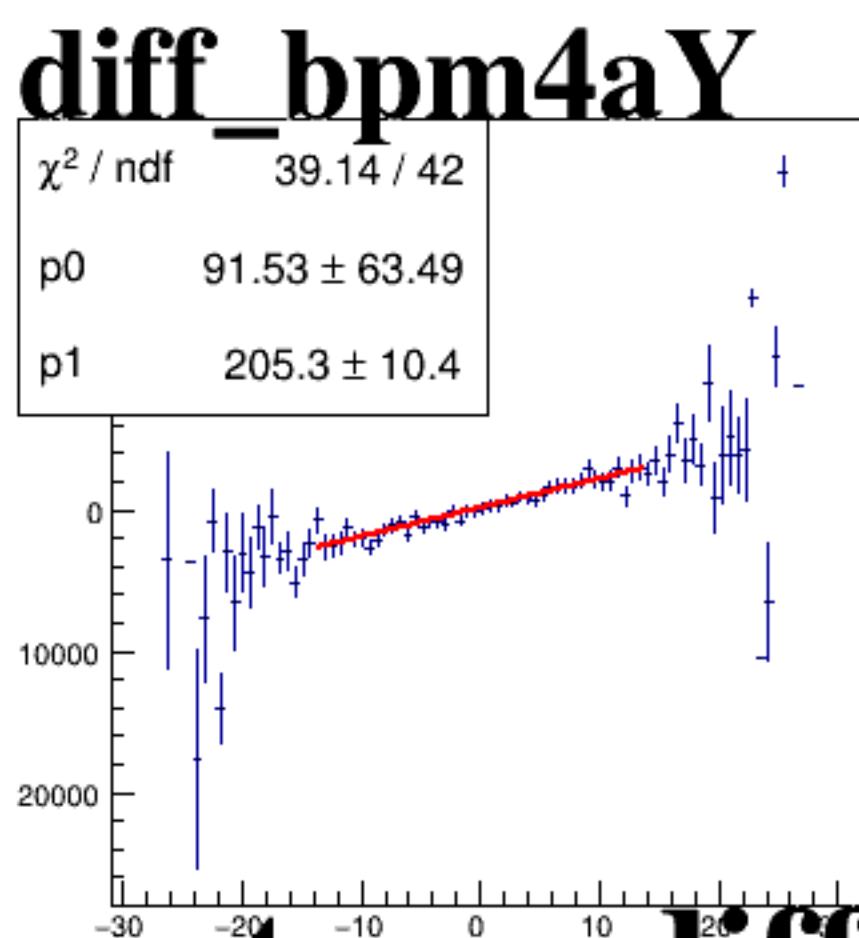
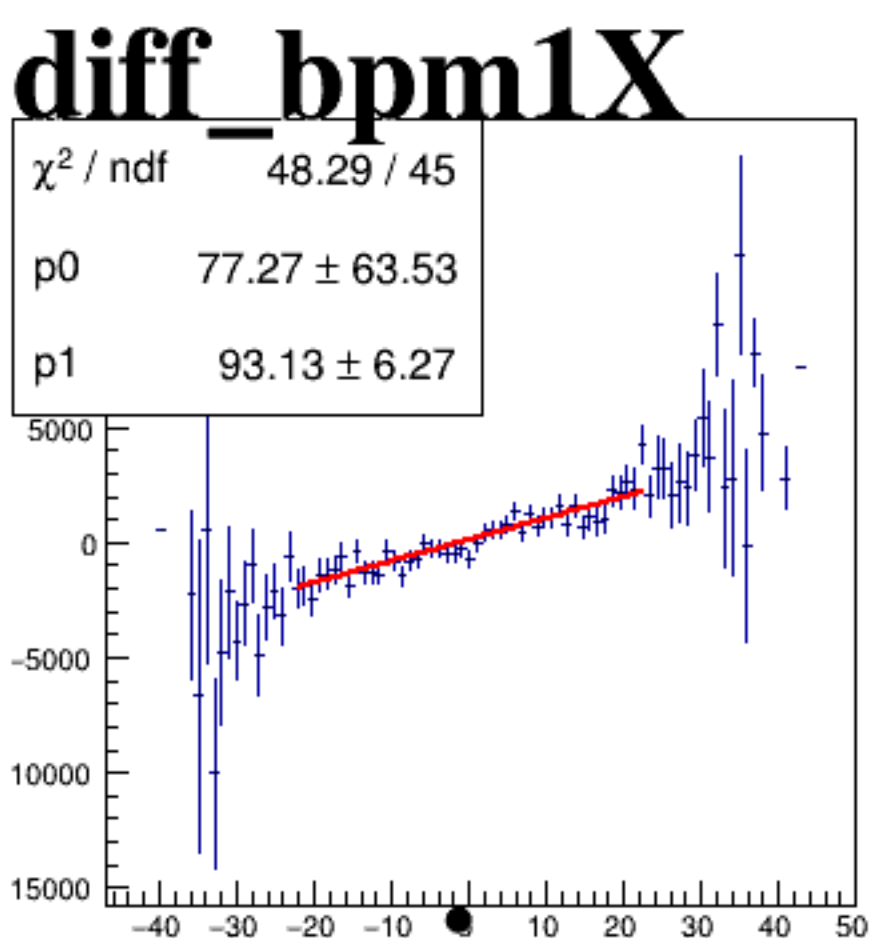
asym_atr1



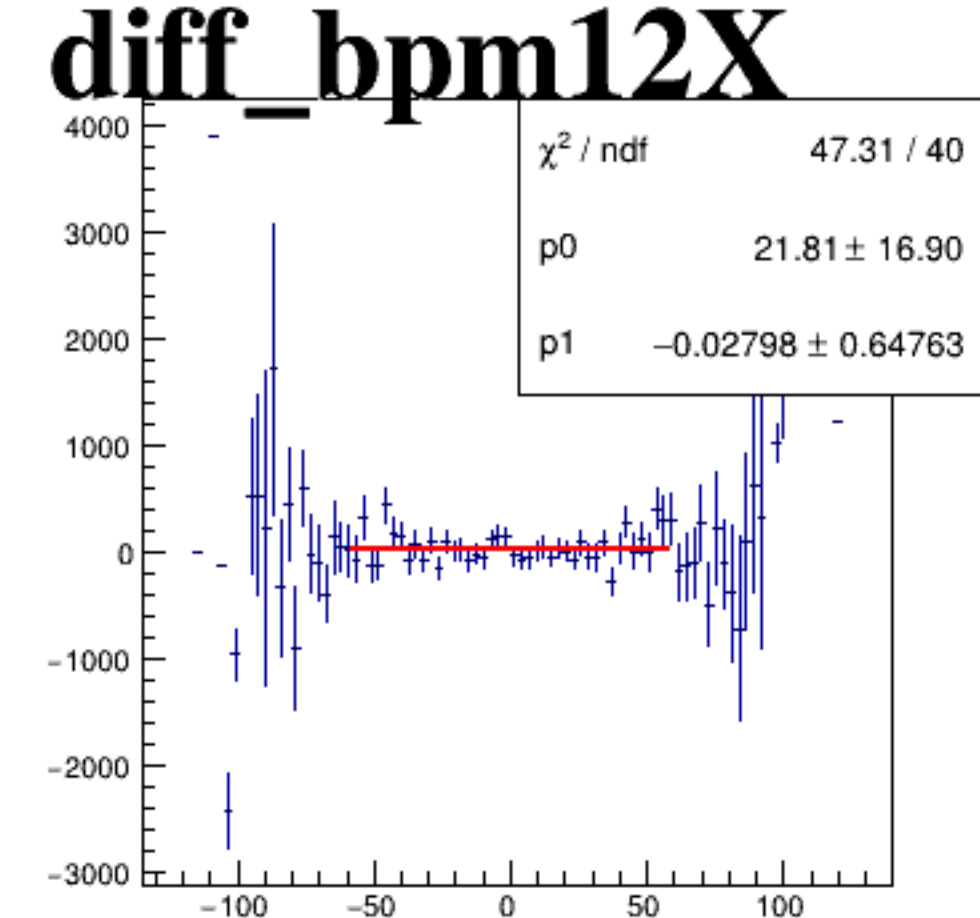
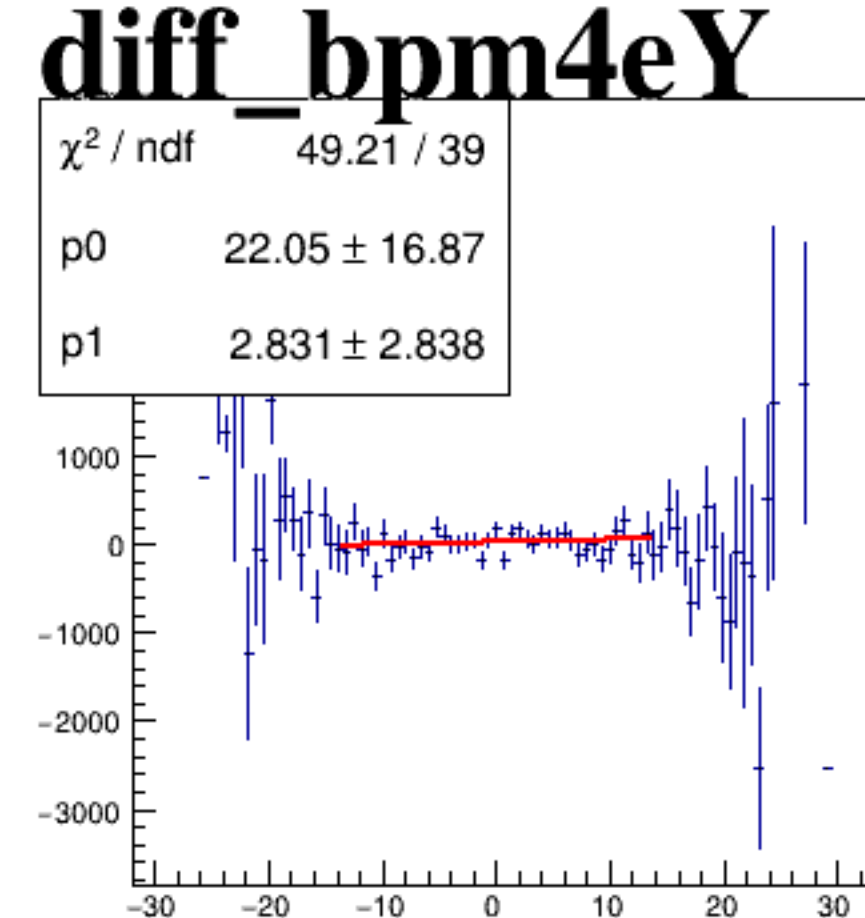
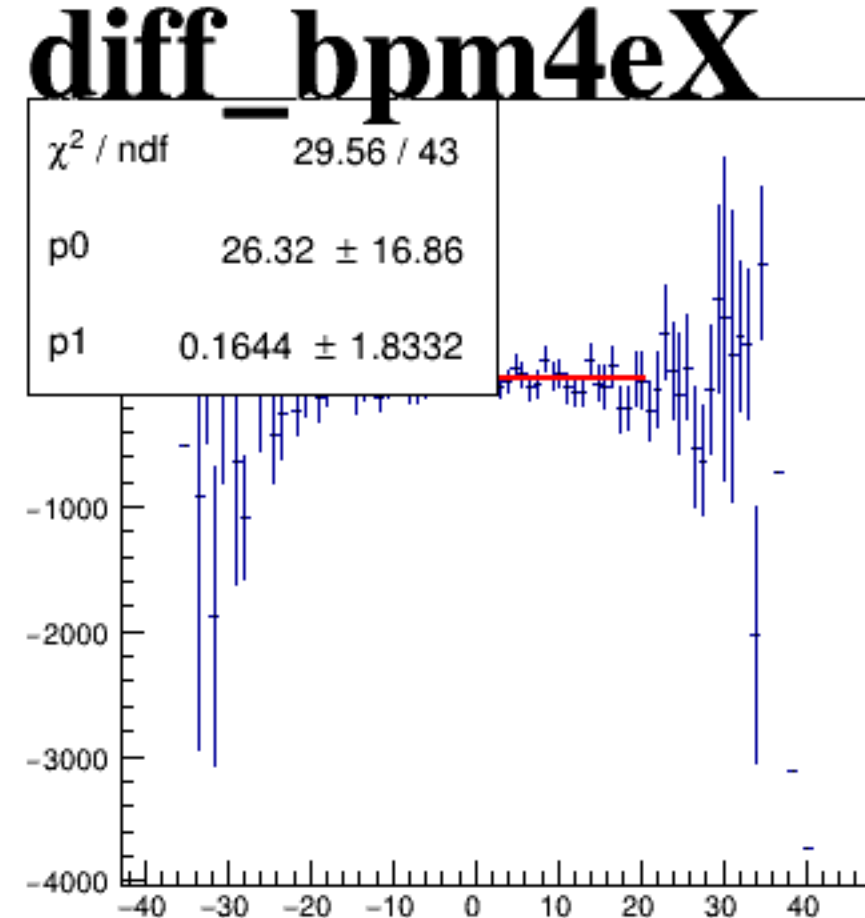
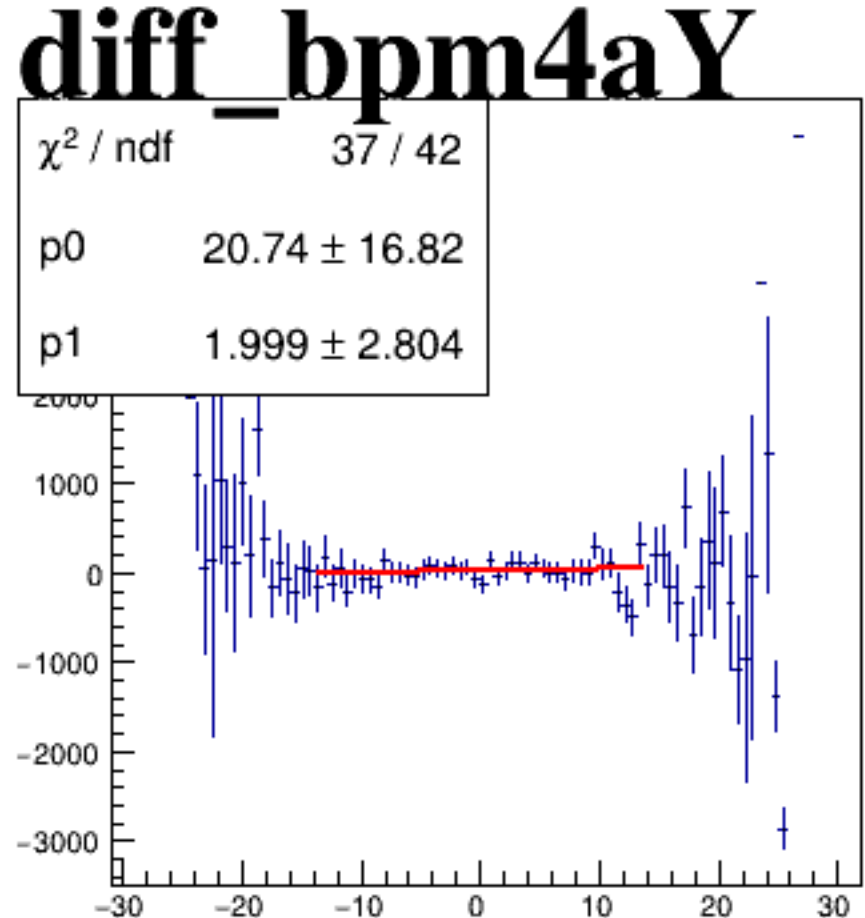
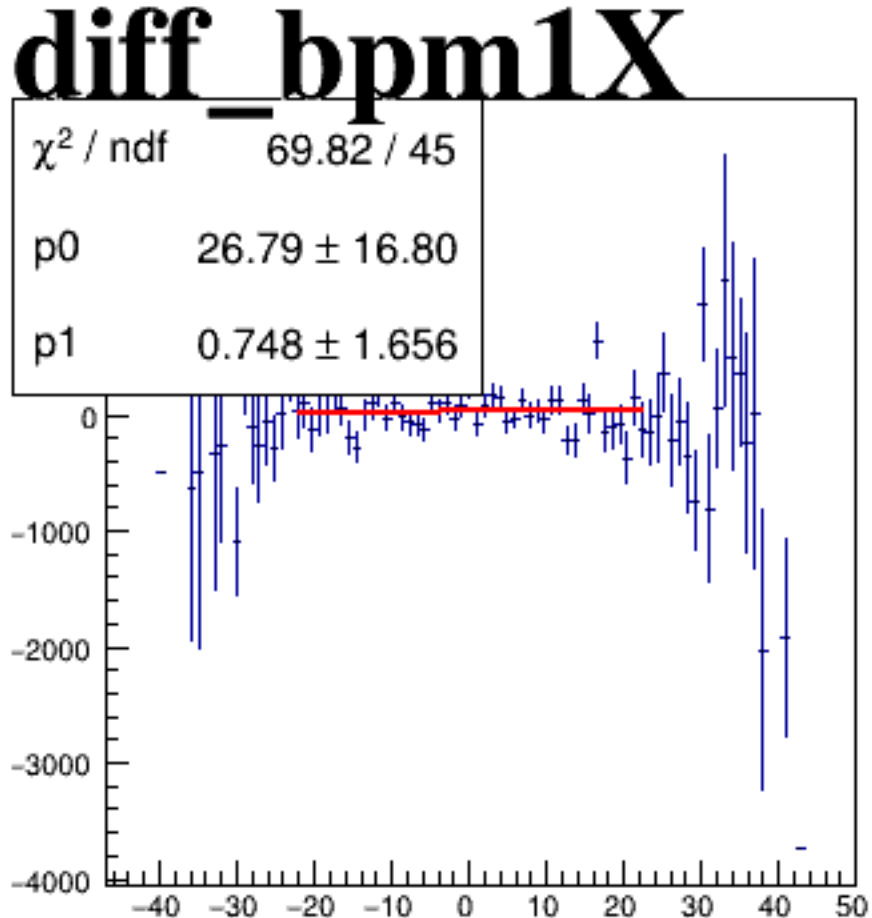
asym_atl2



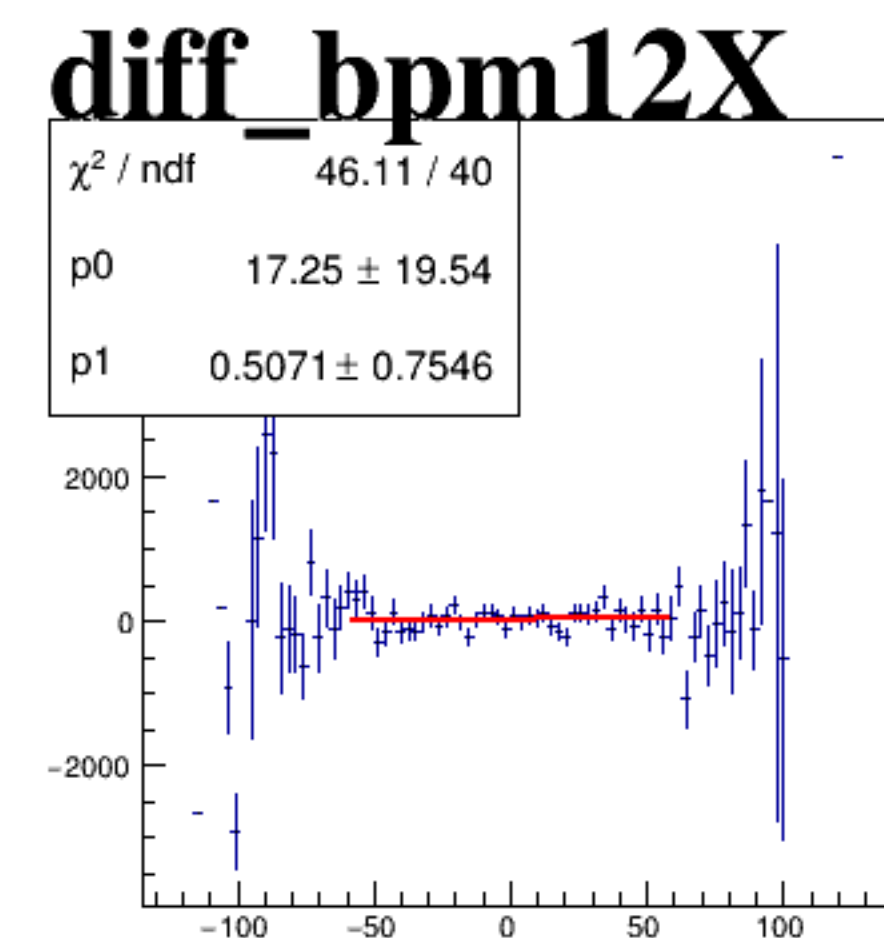
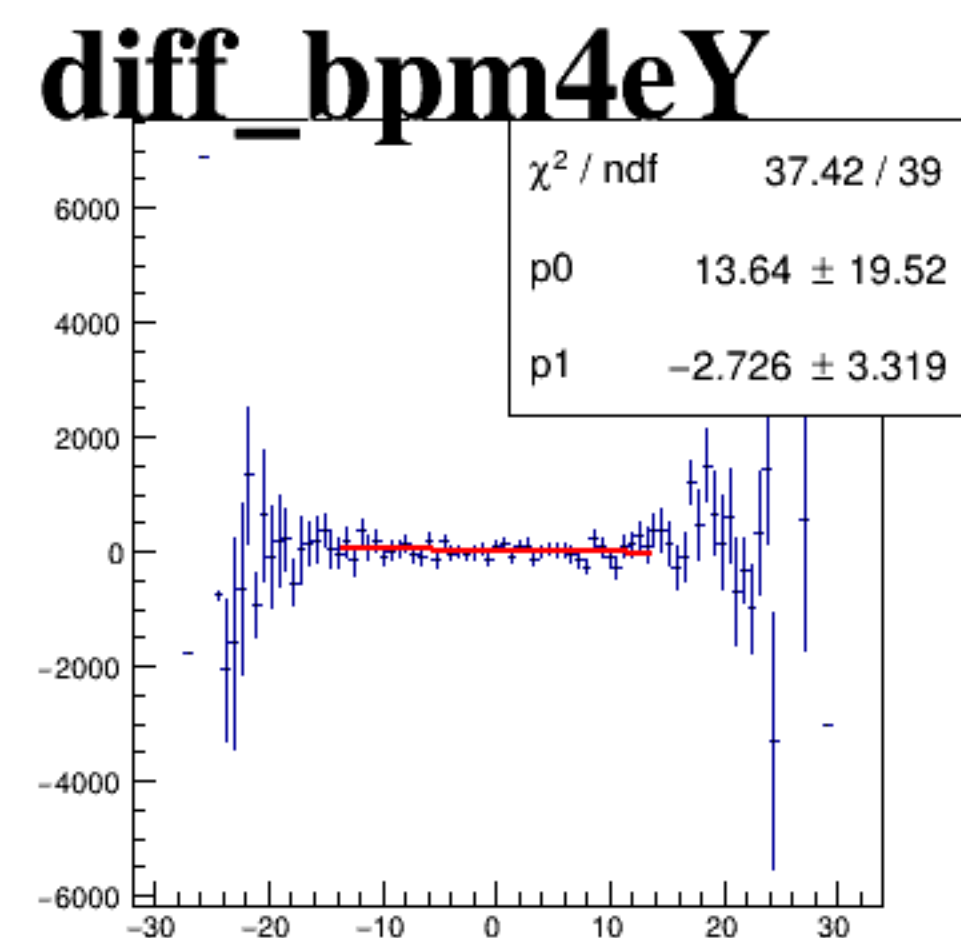
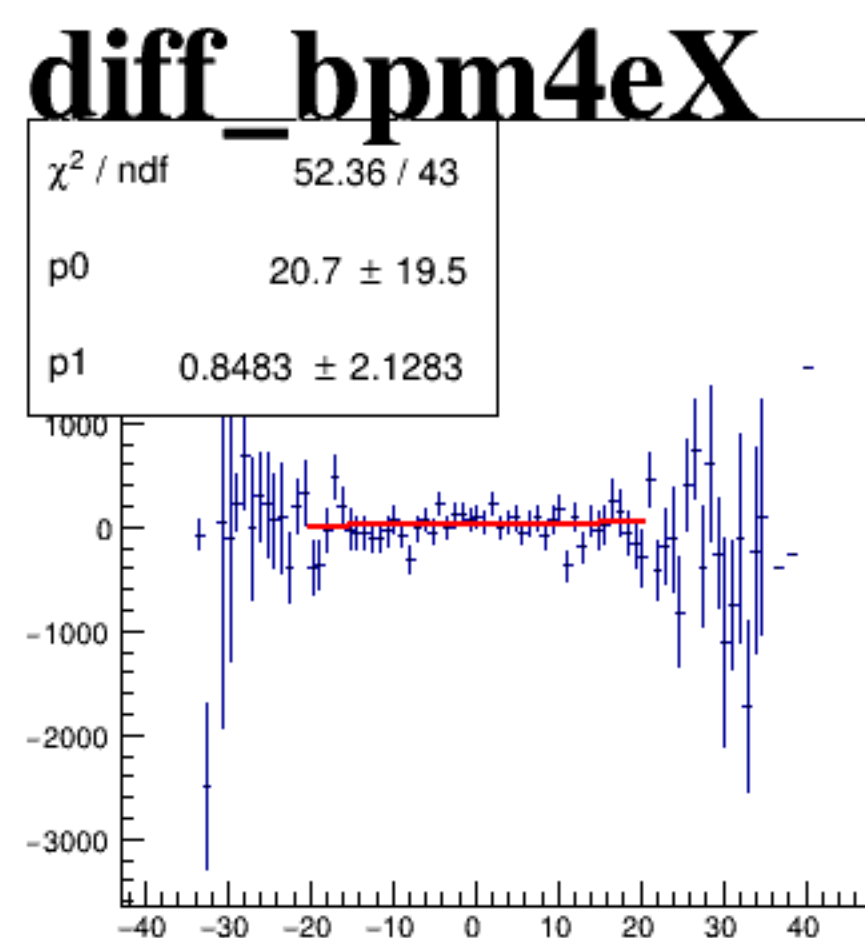
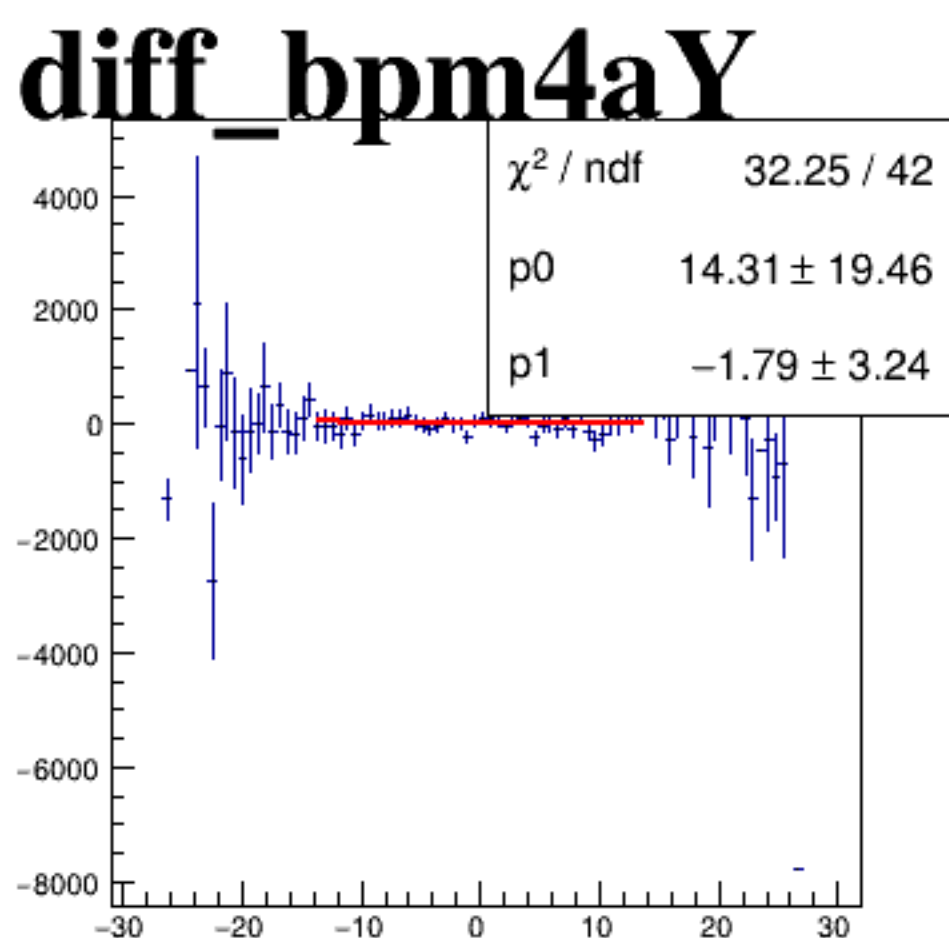
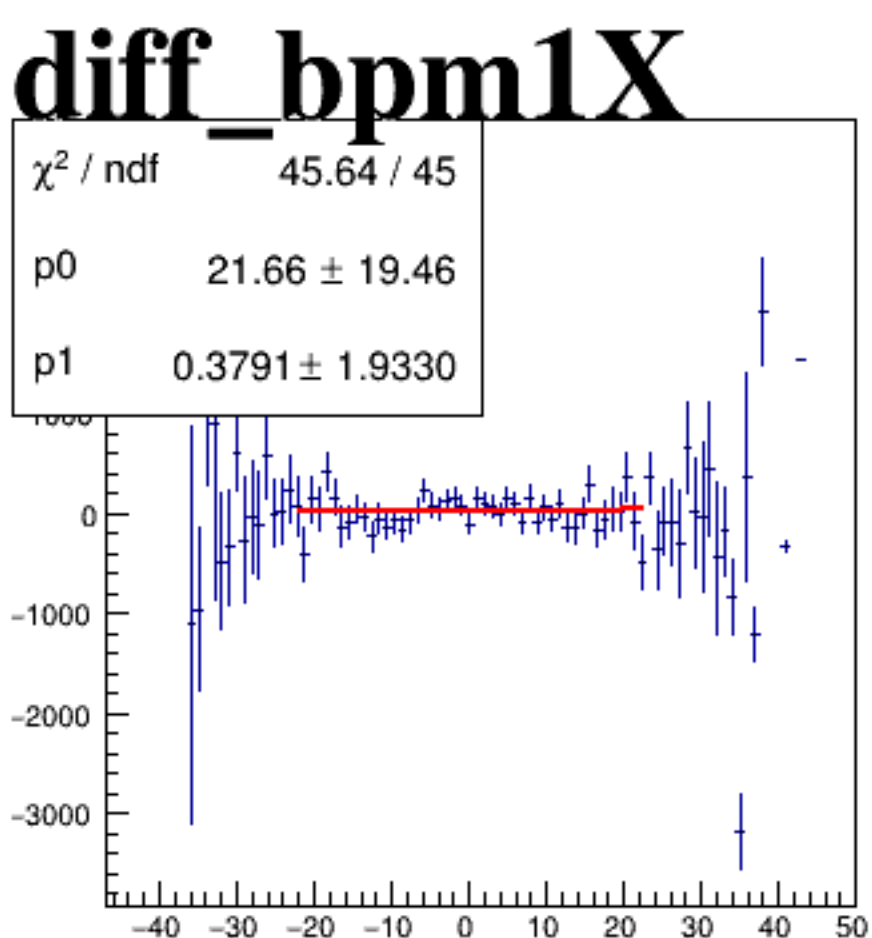
asym_atr2



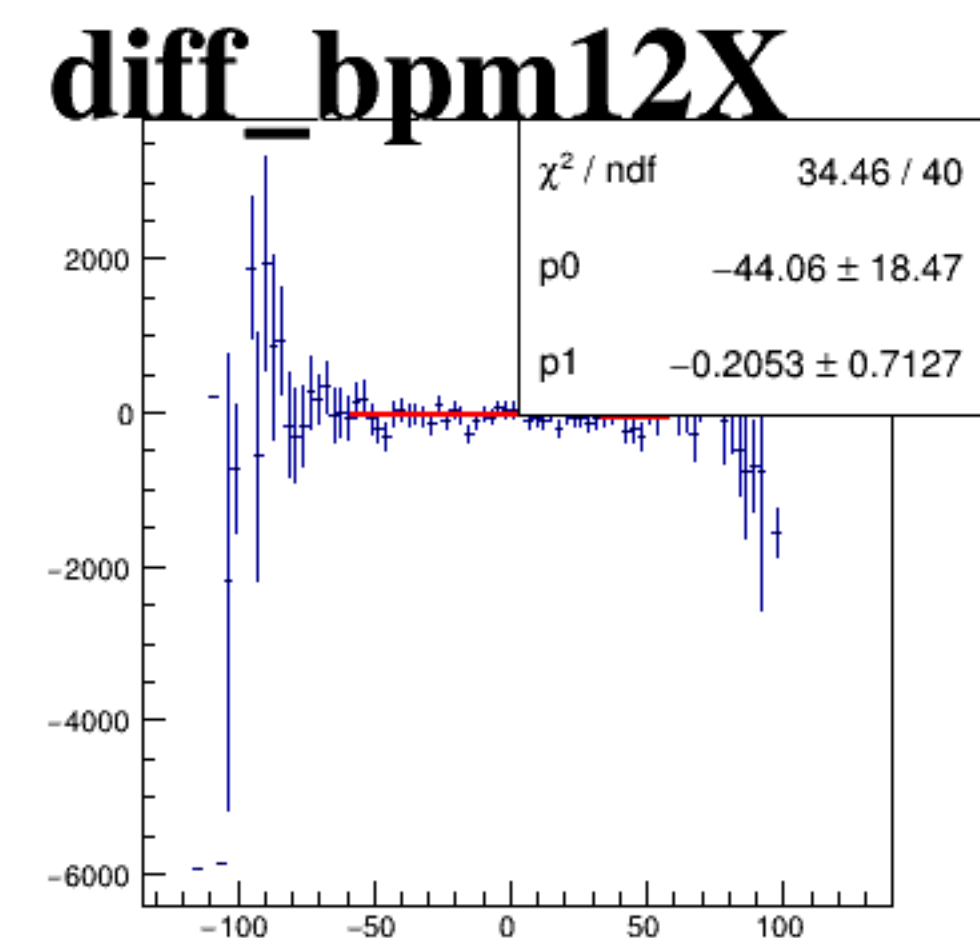
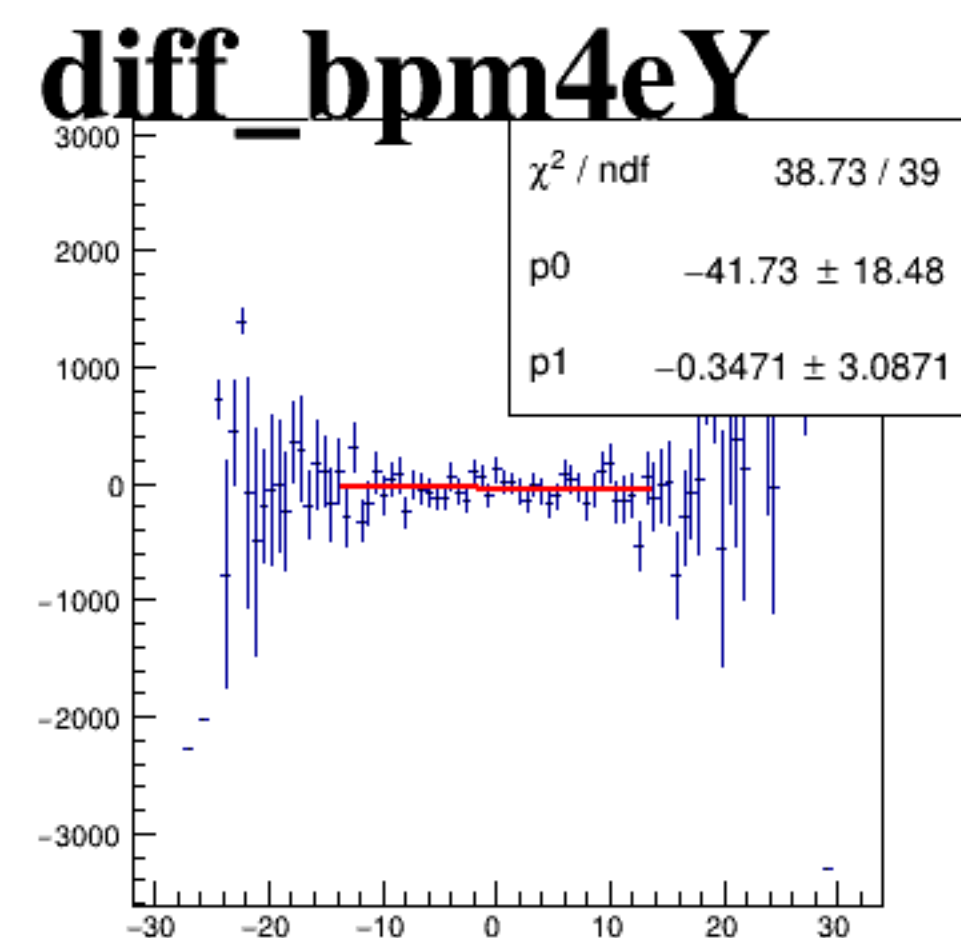
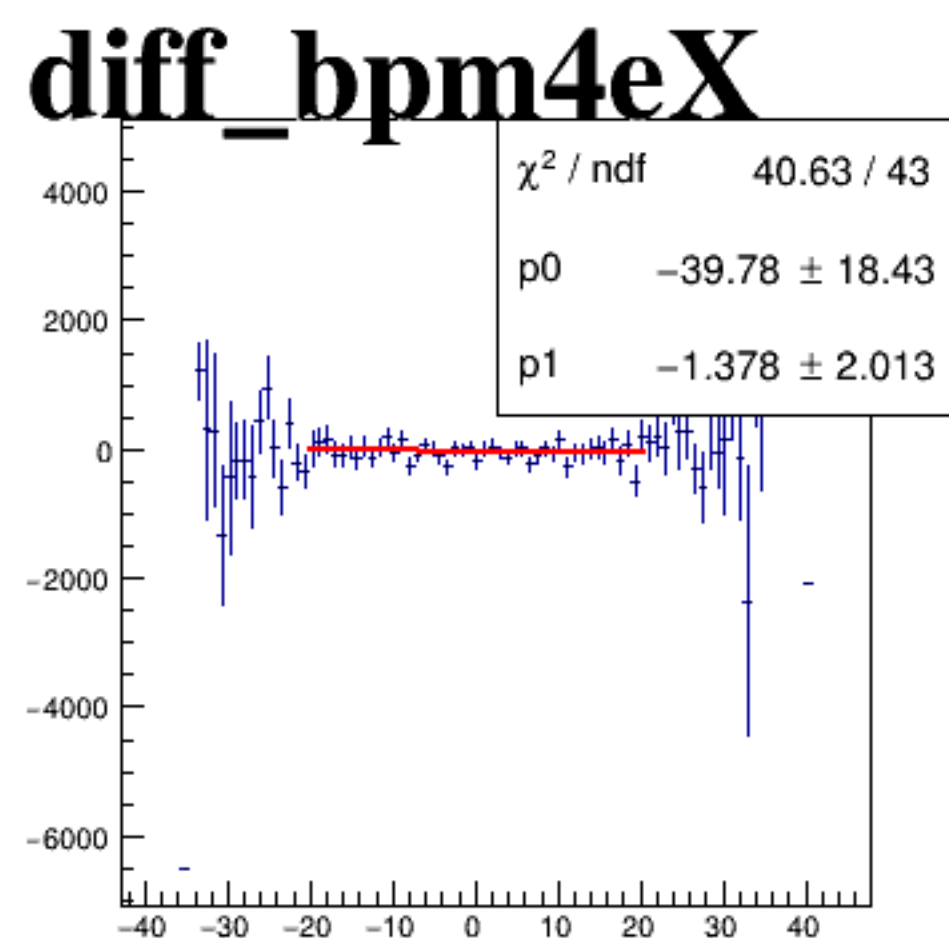
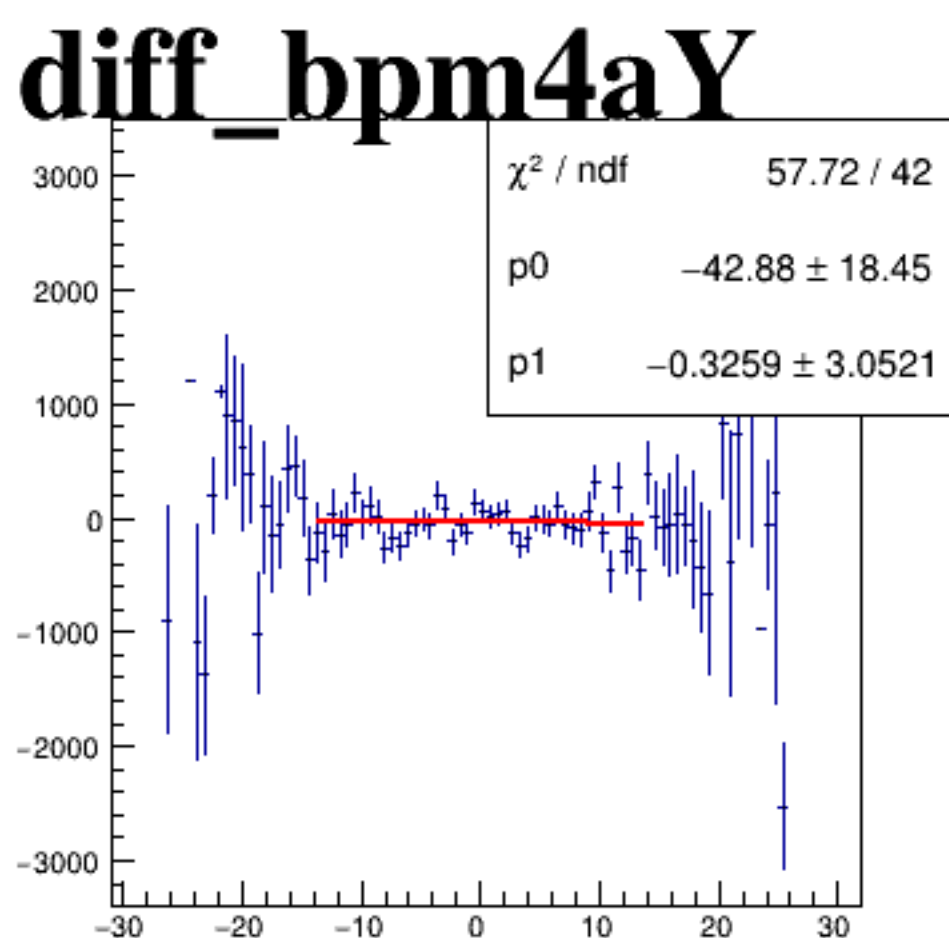
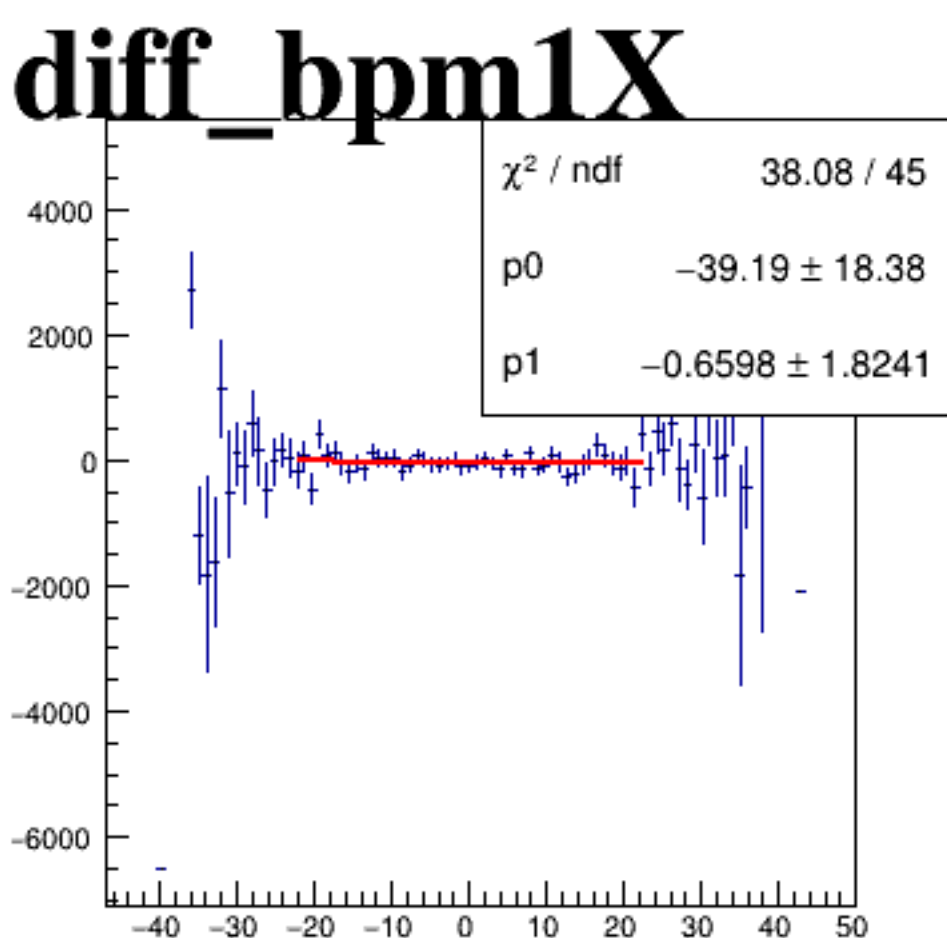
reg_asym_atl1



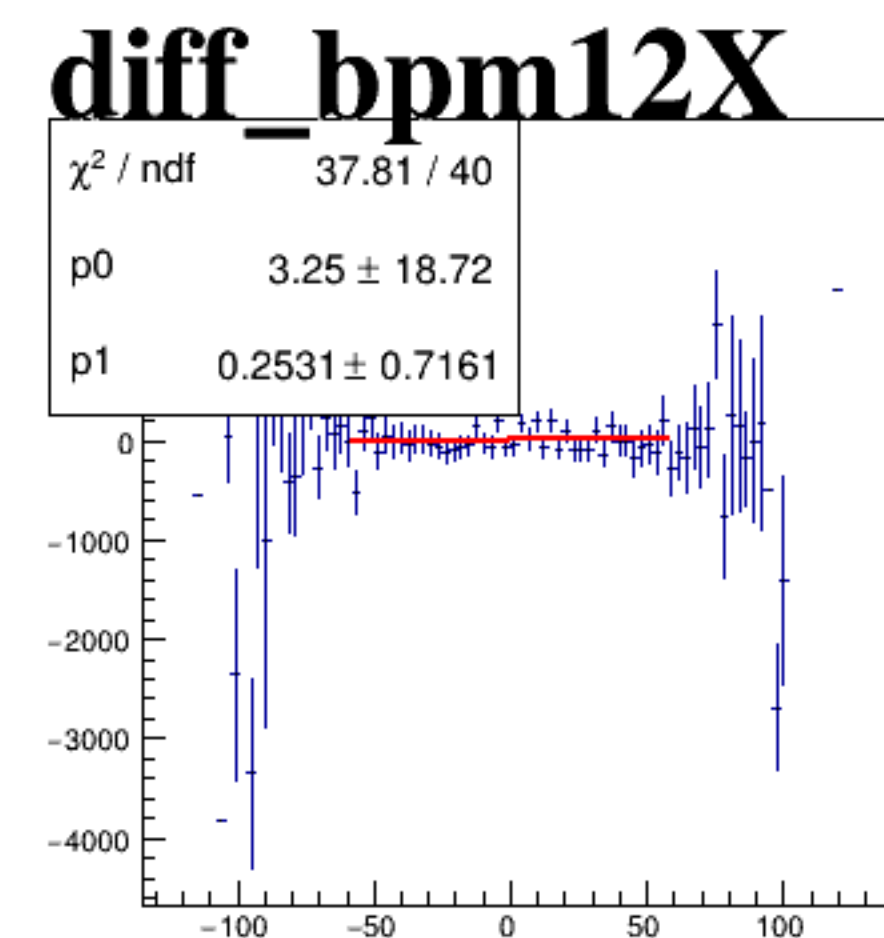
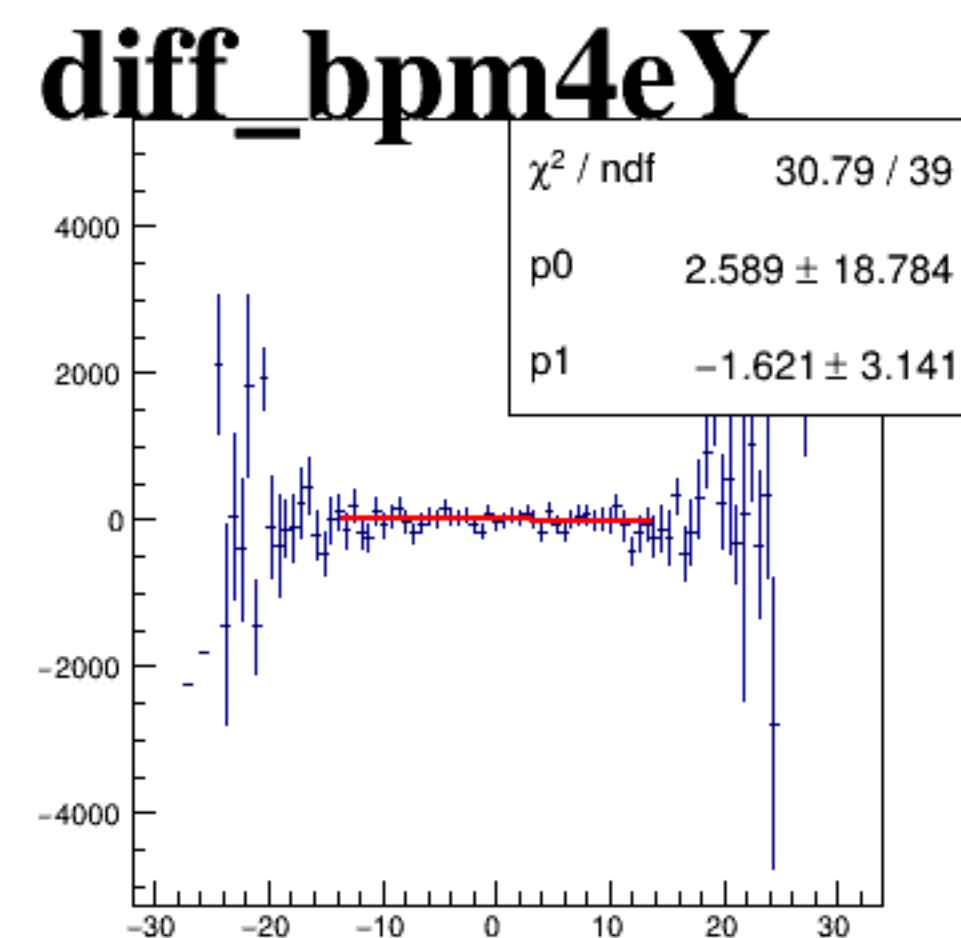
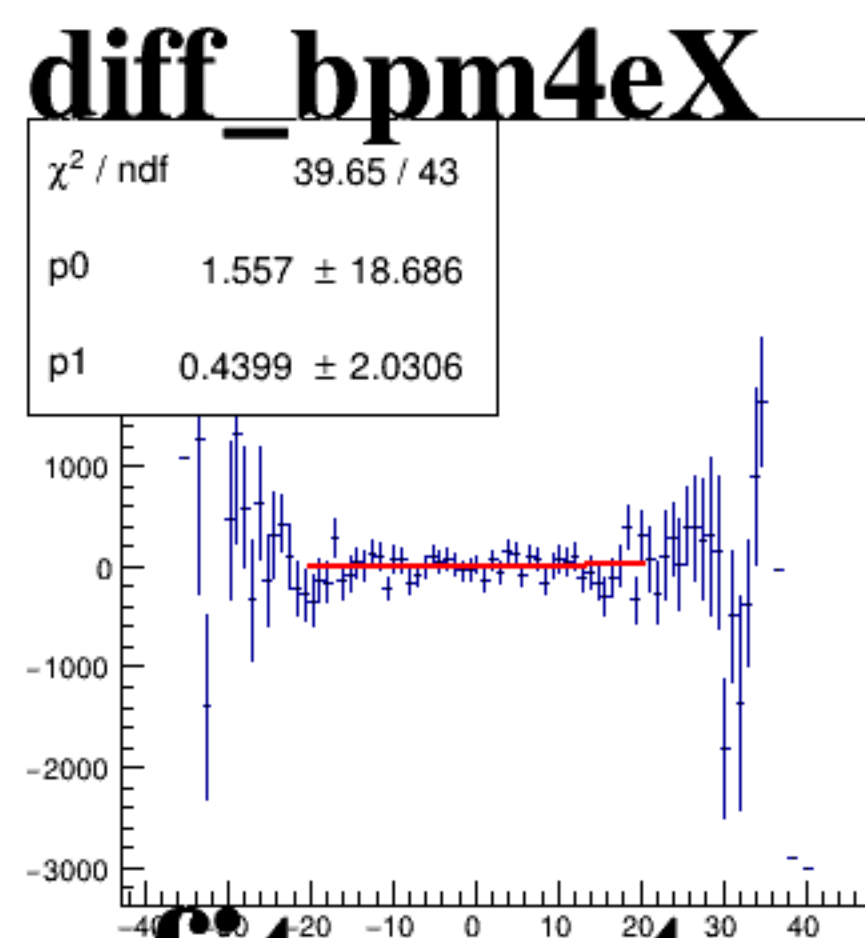
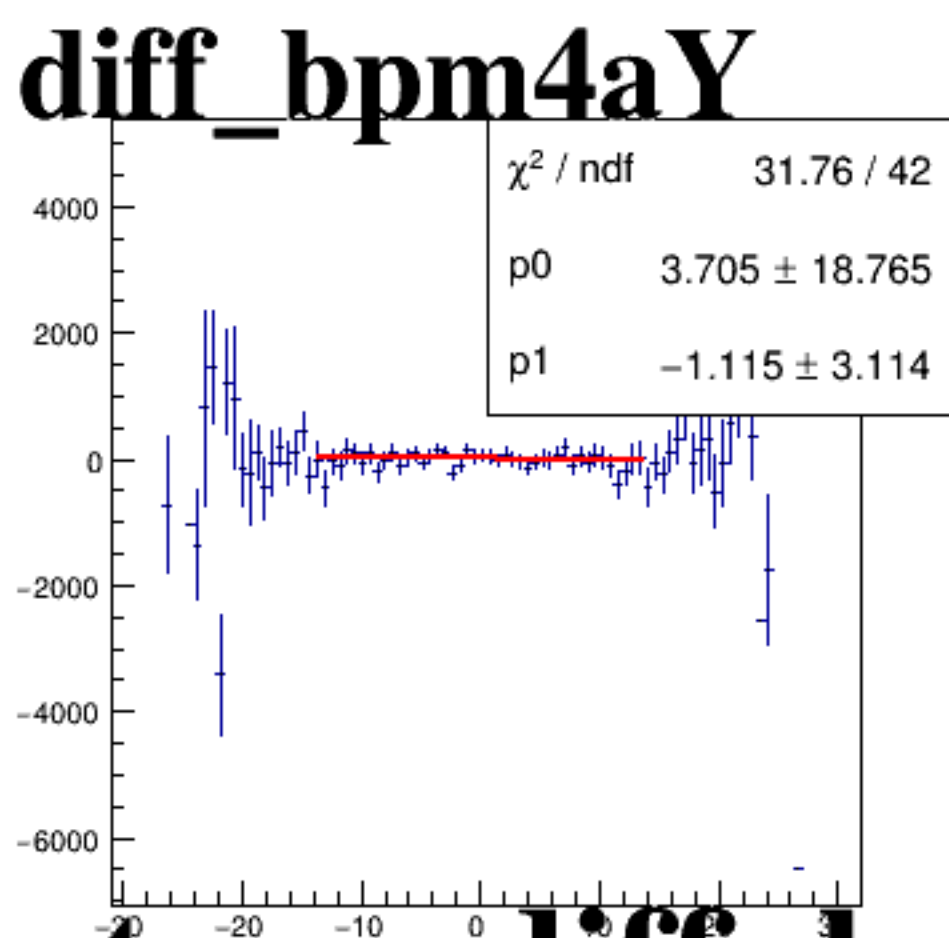
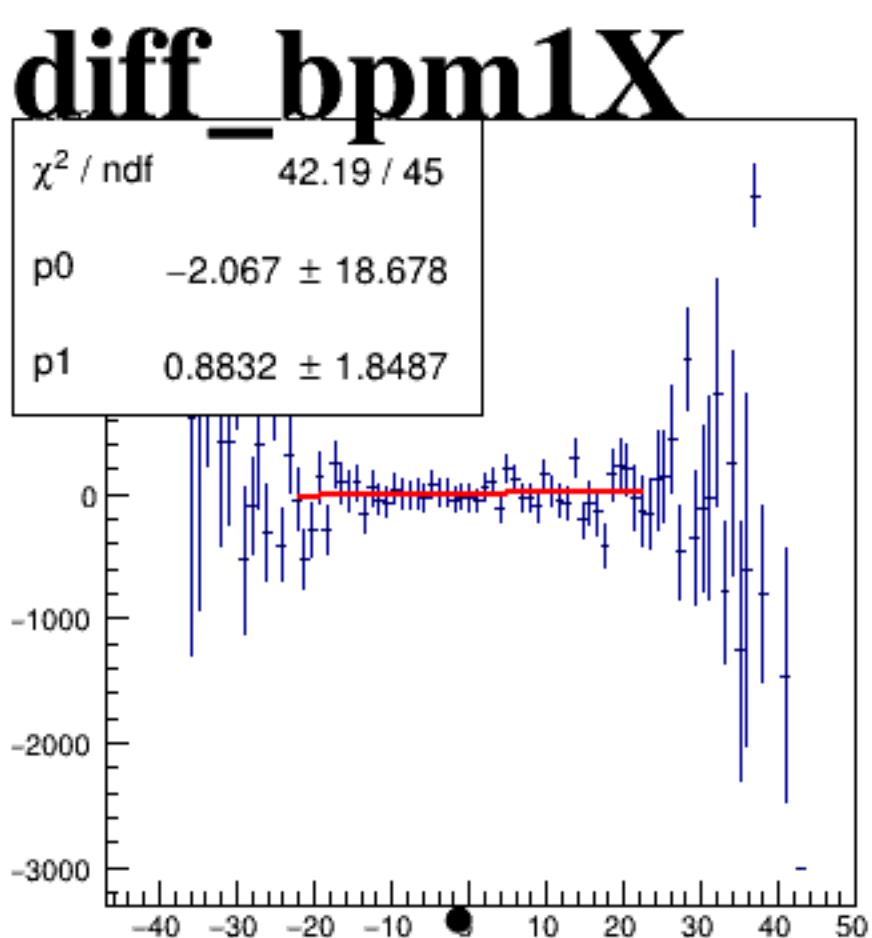
reg_asym_atr1



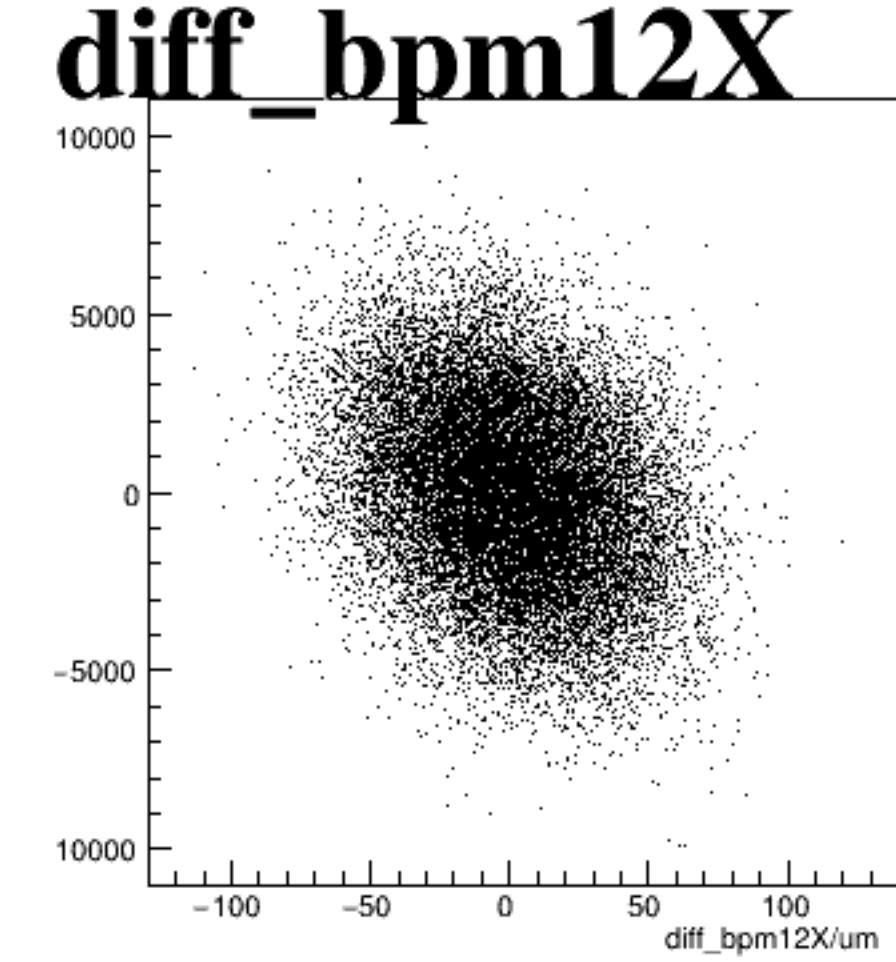
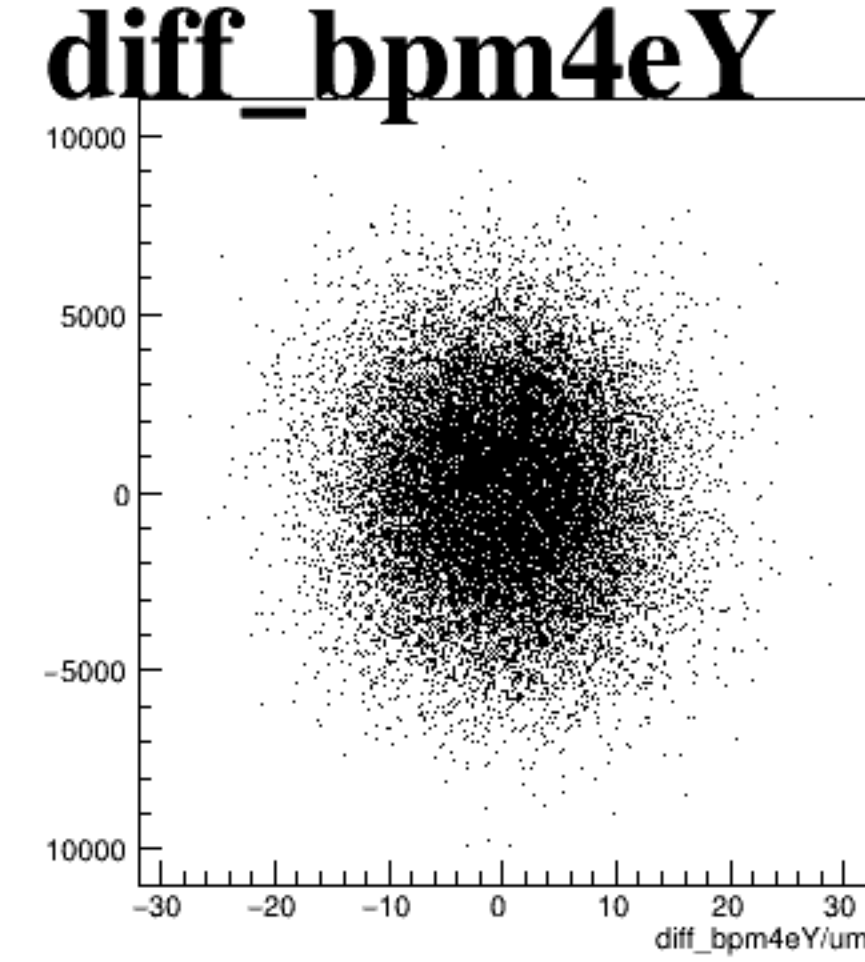
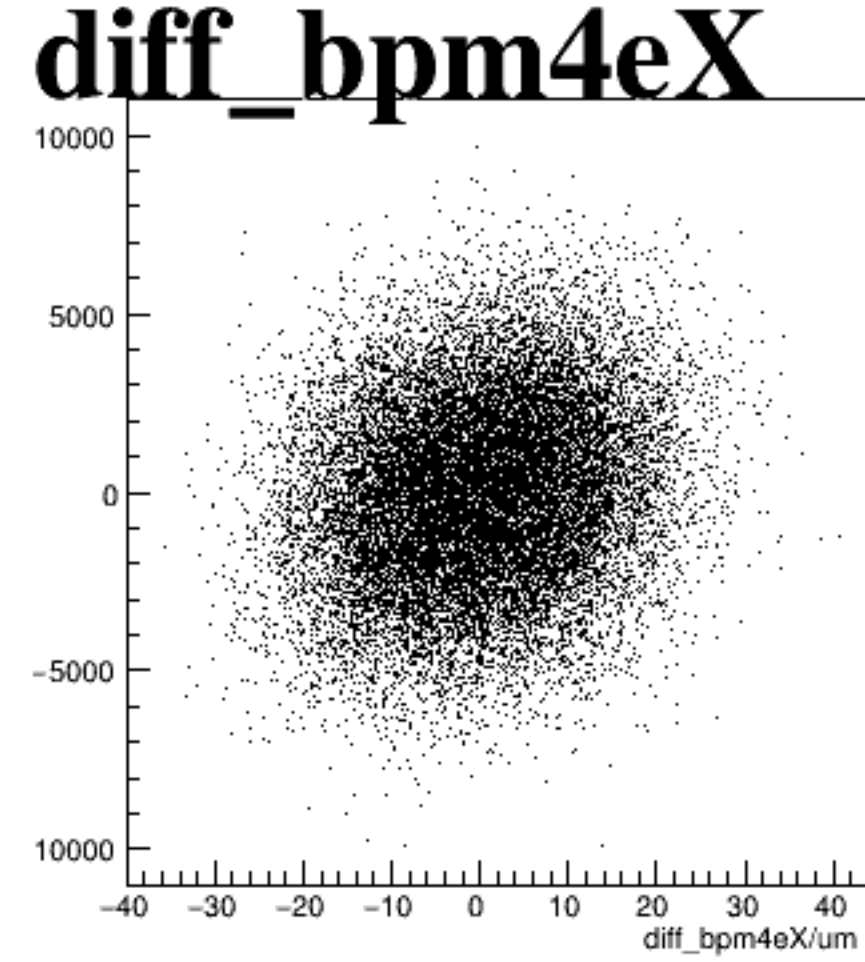
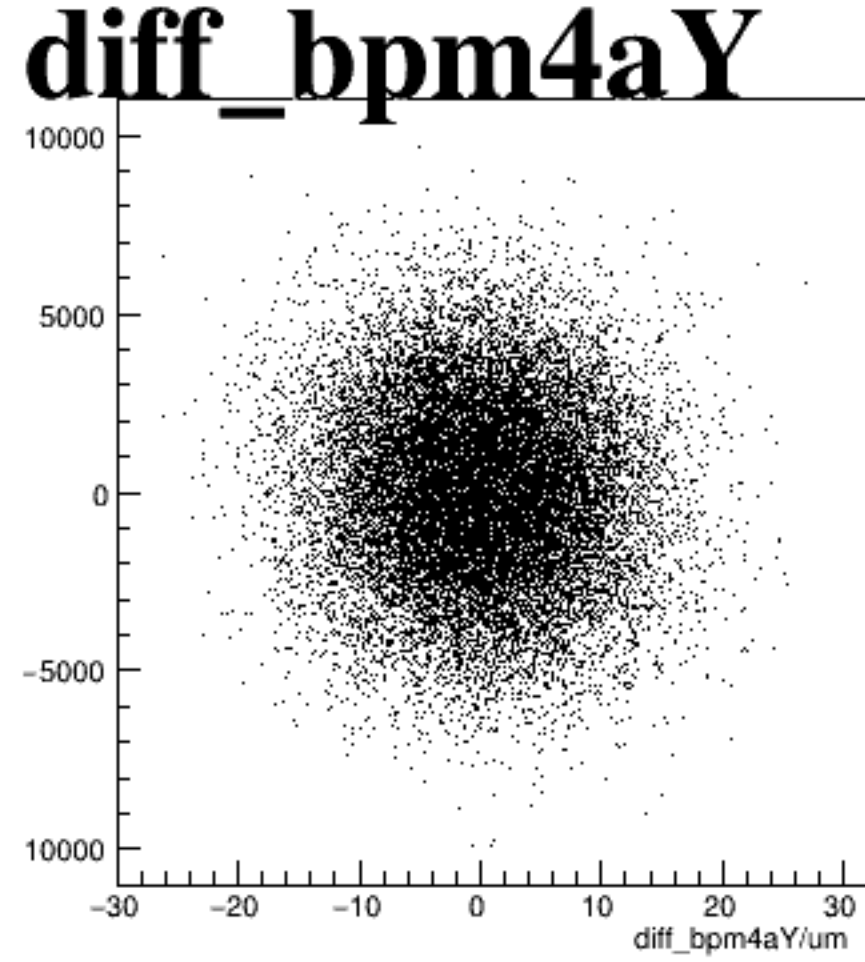
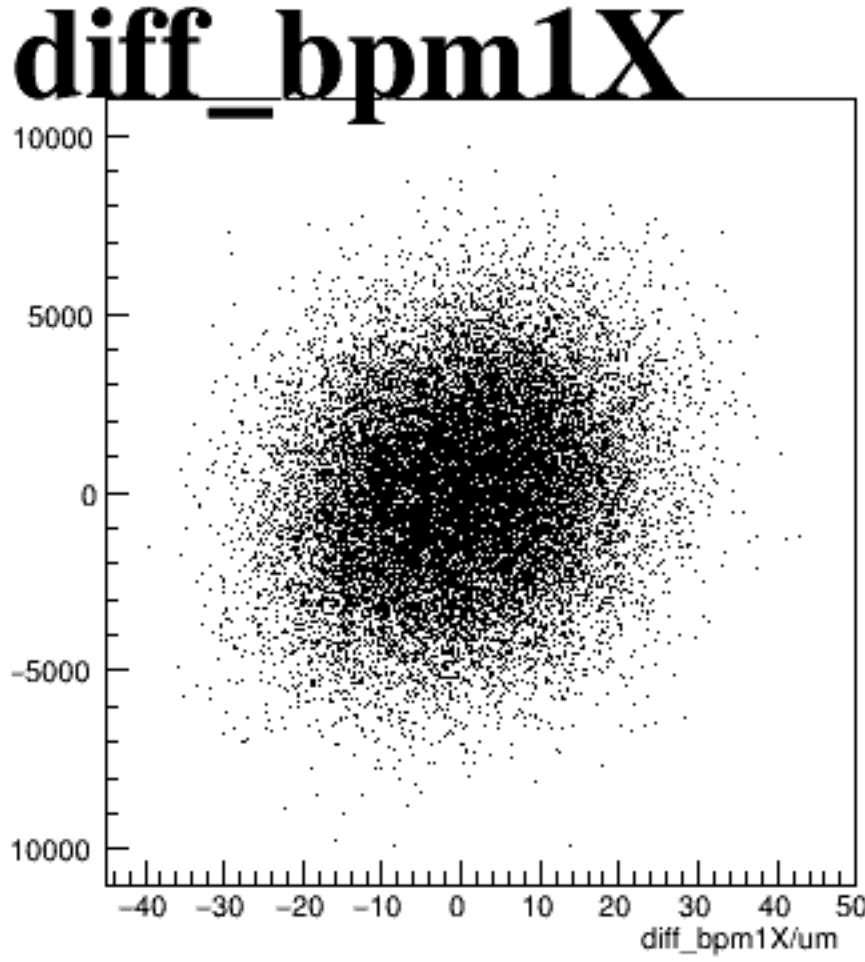
reg_asym_atl2



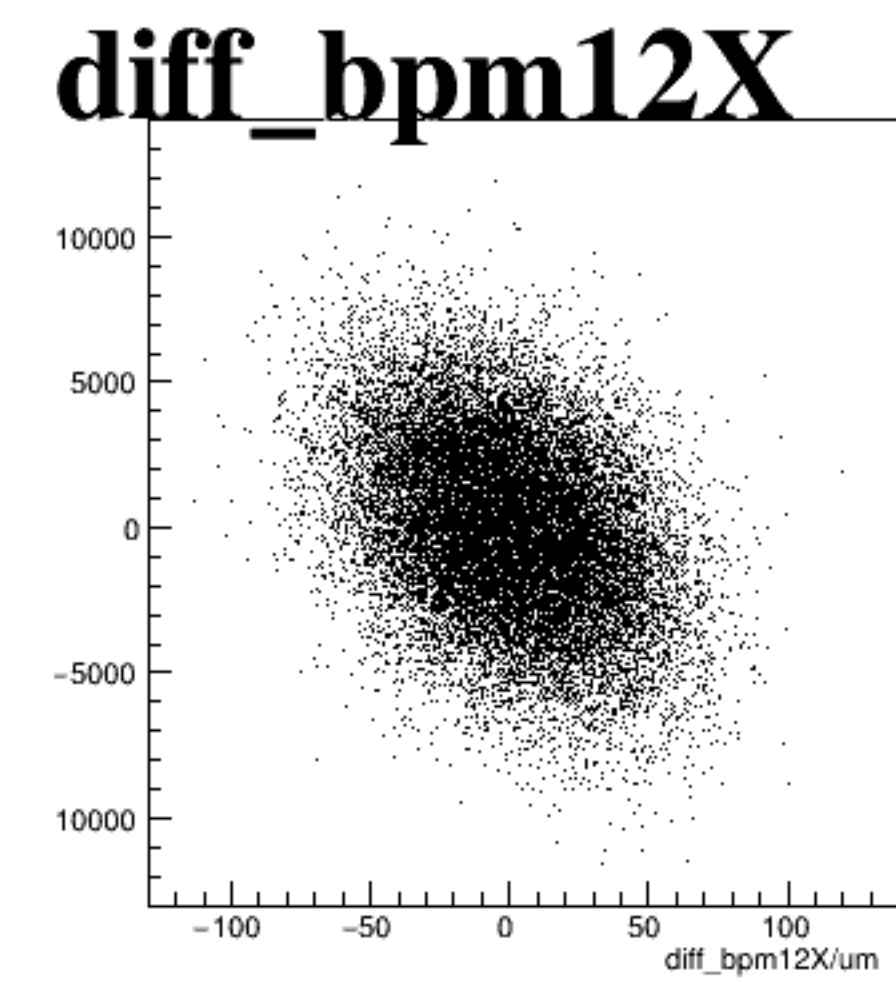
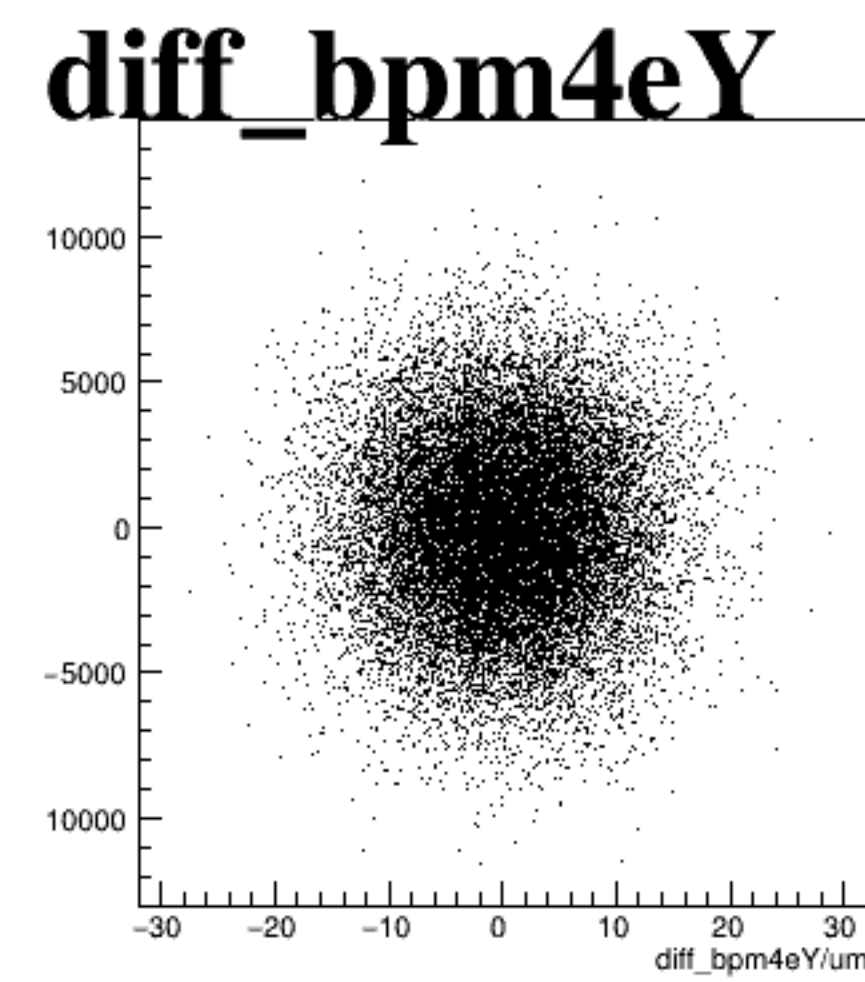
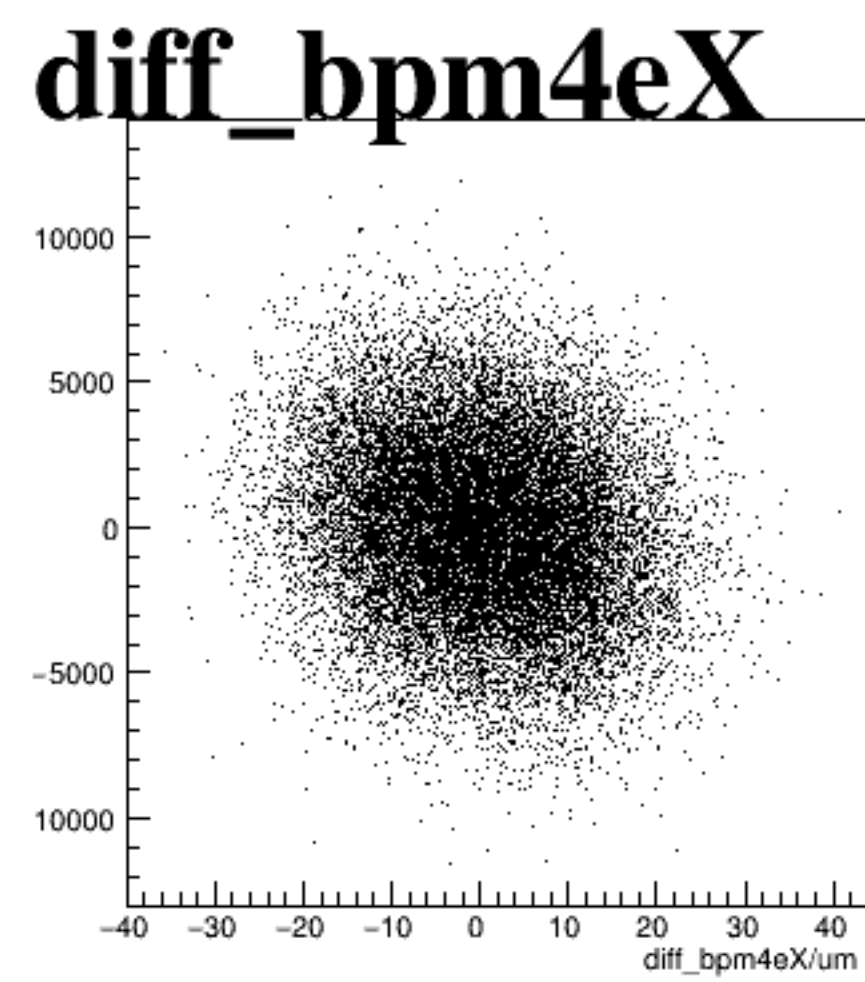
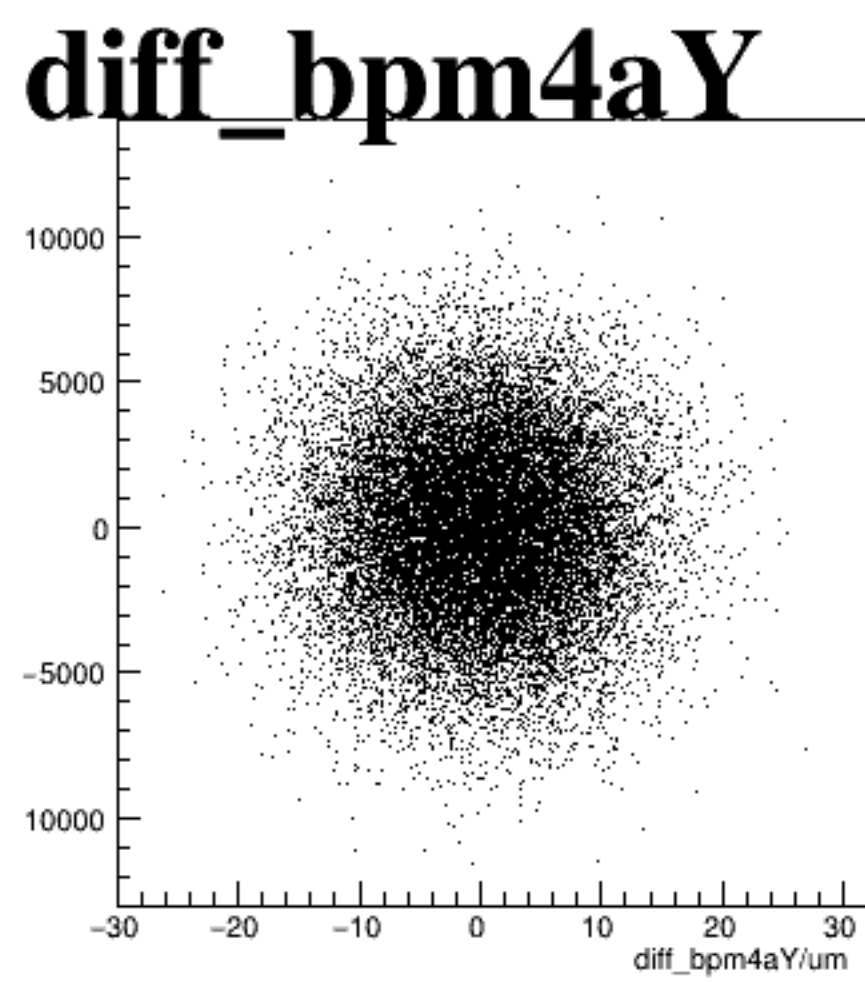
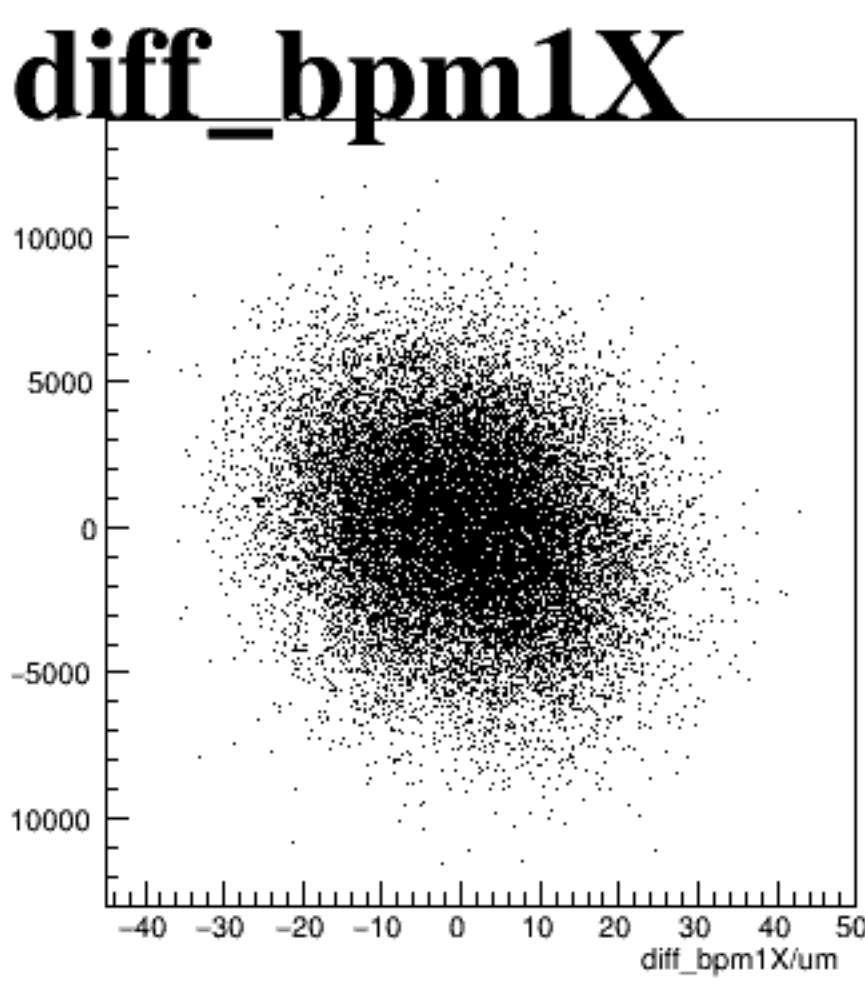
reg_asym_atr2



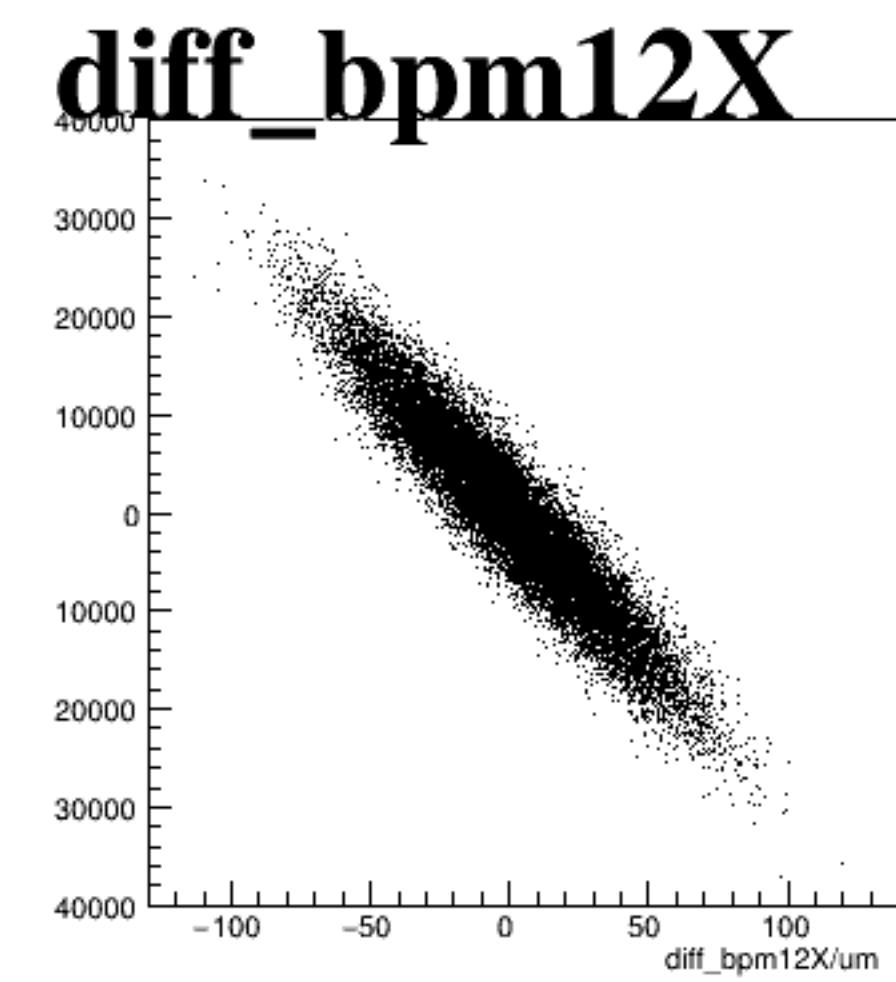
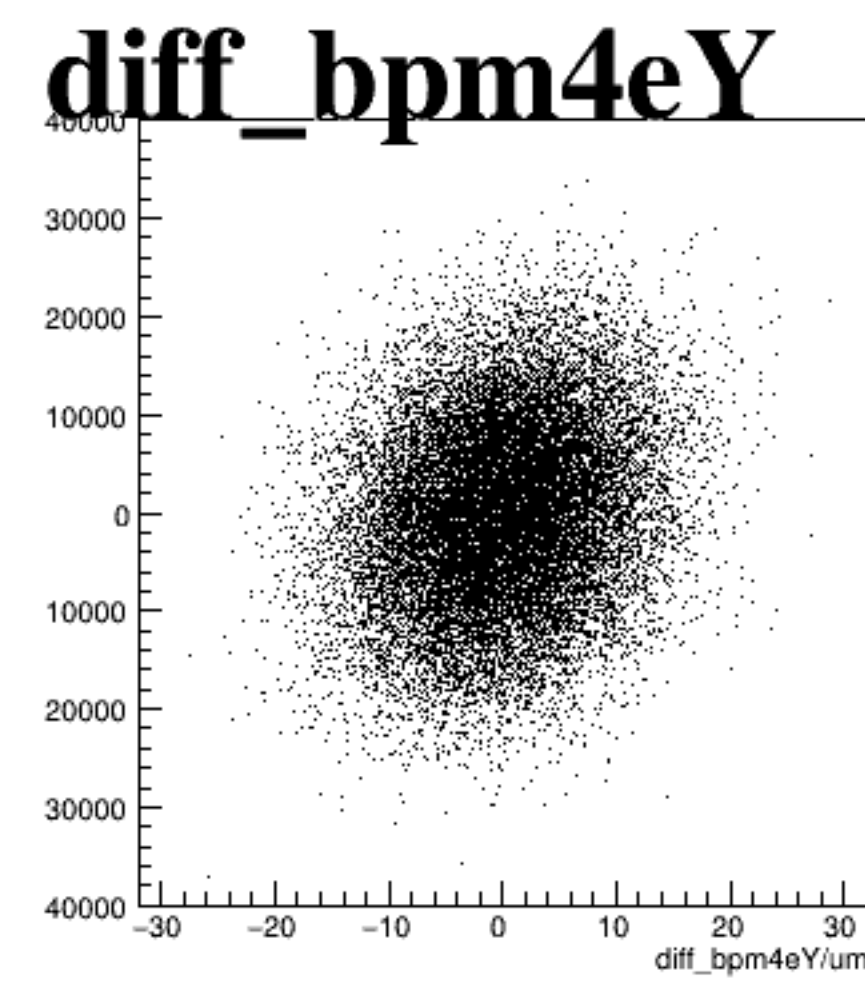
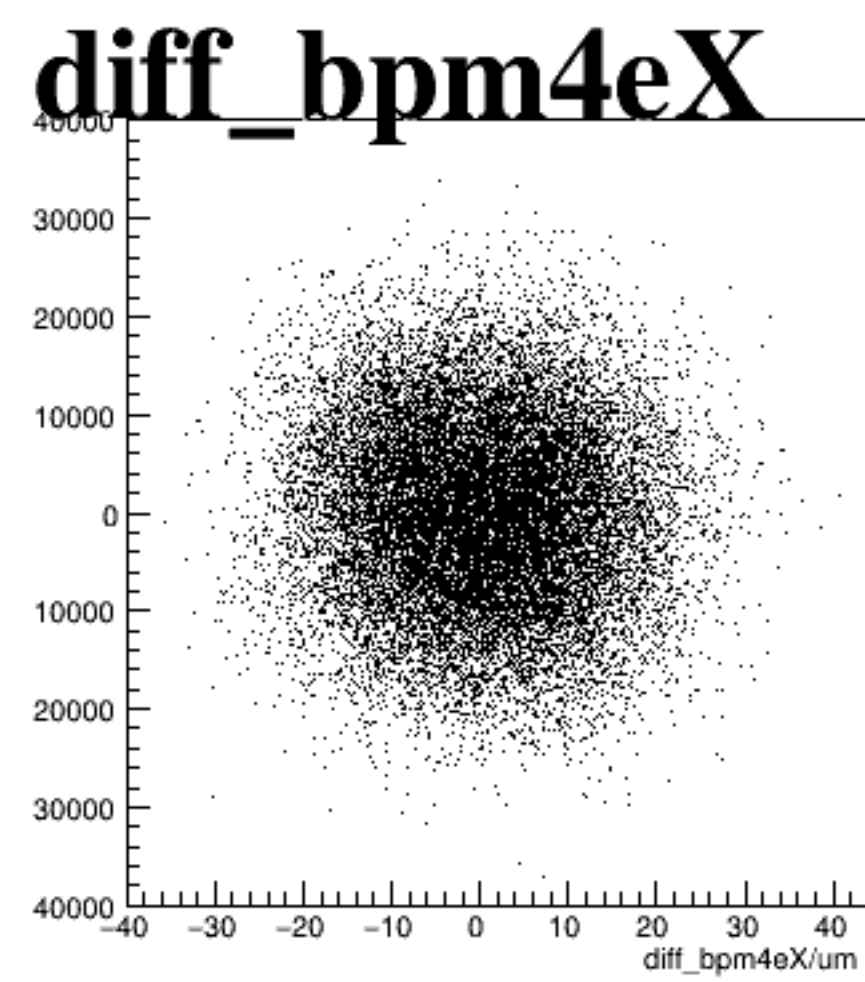
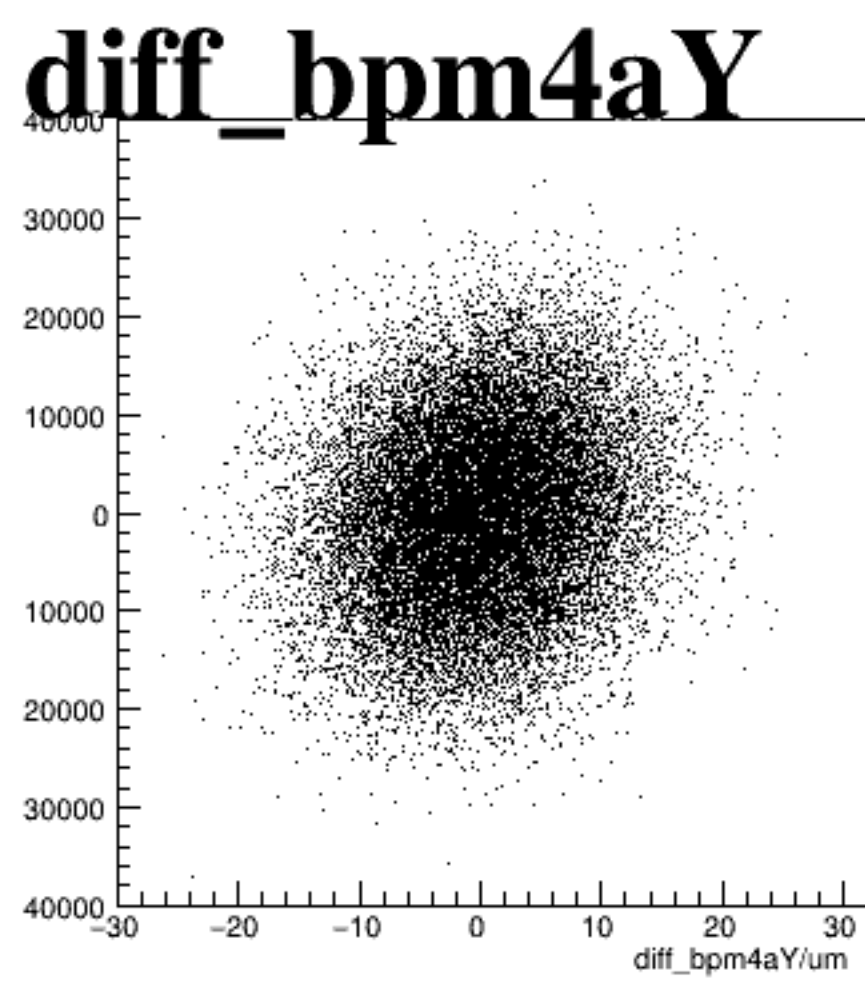
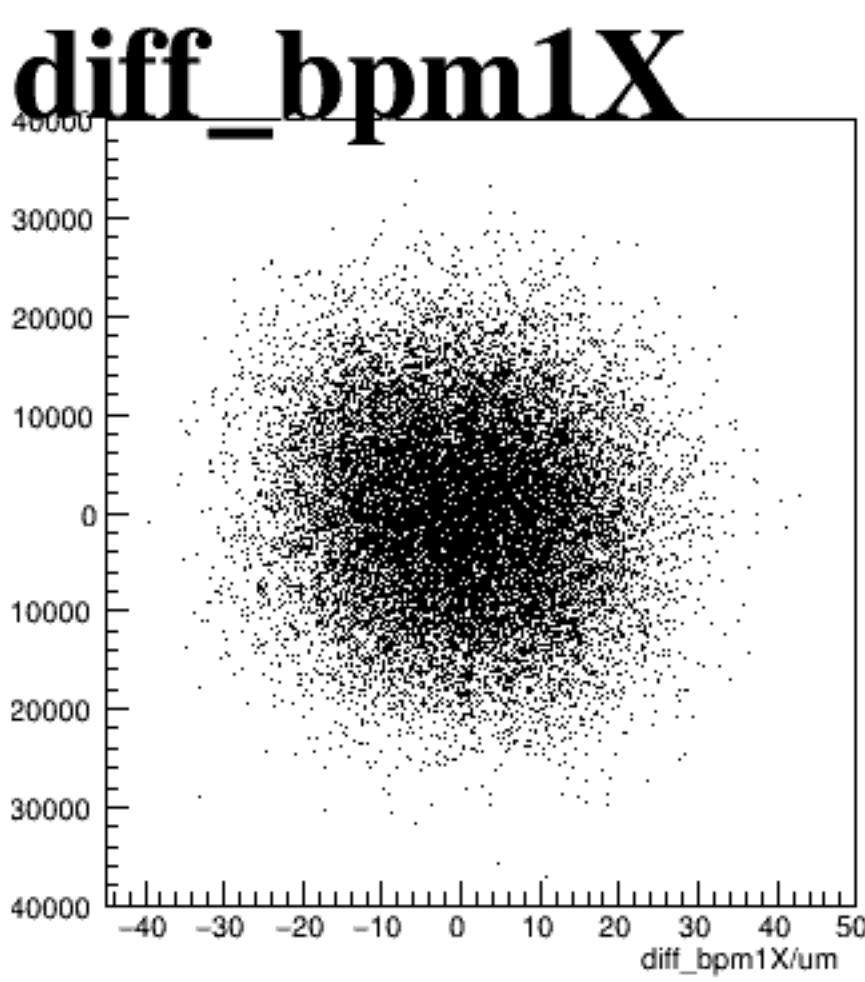
asym_atl1



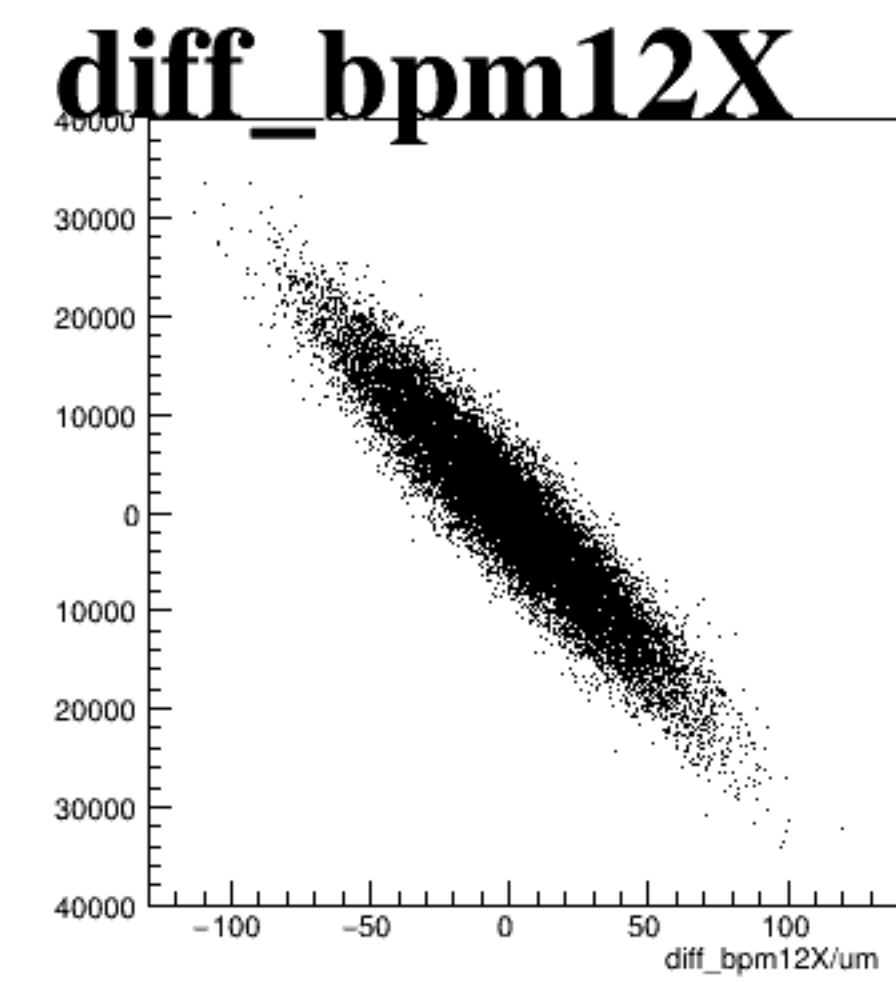
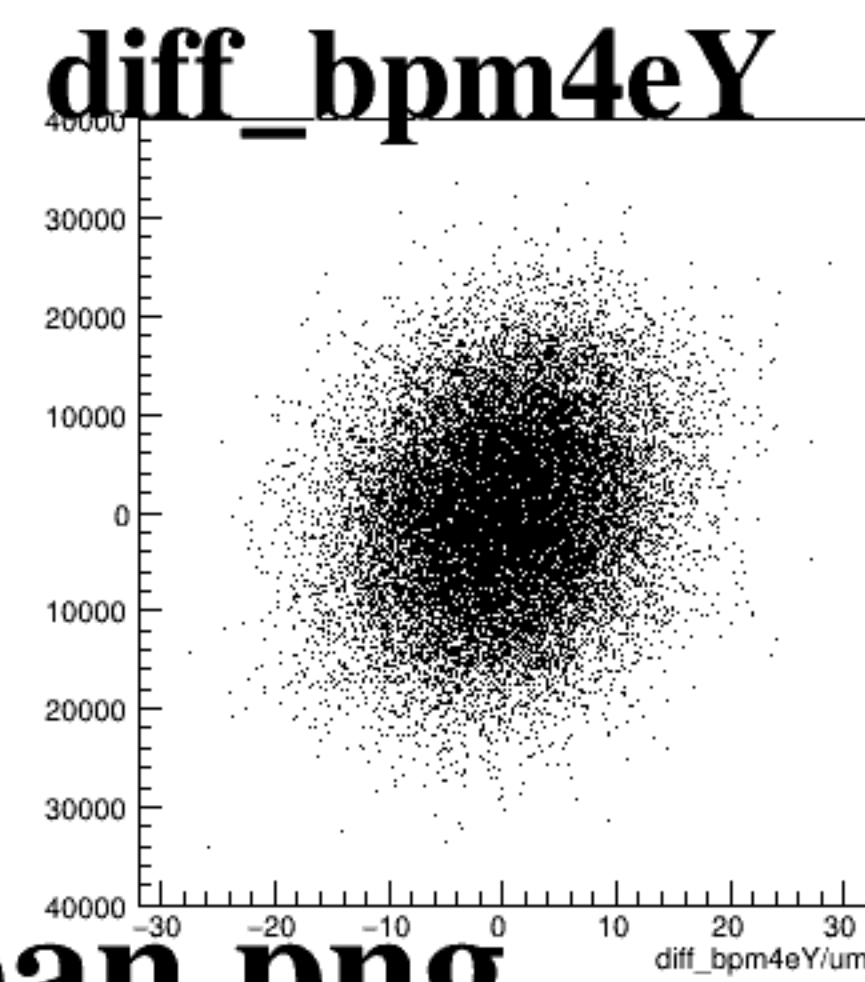
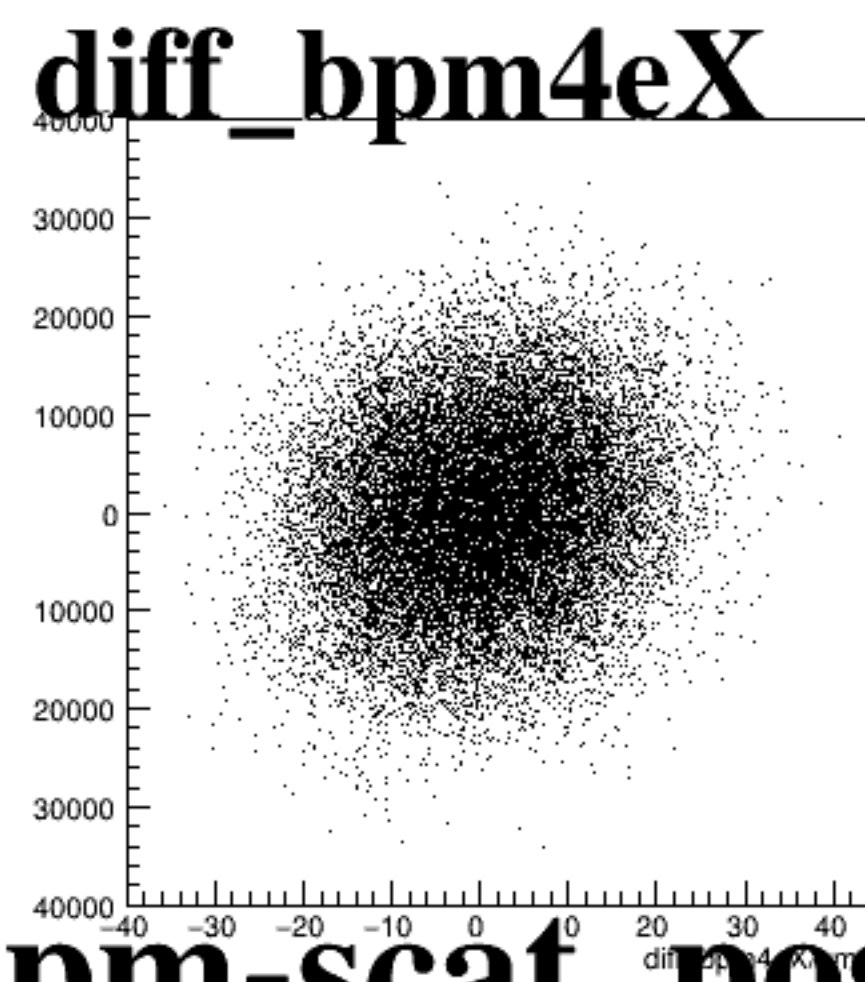
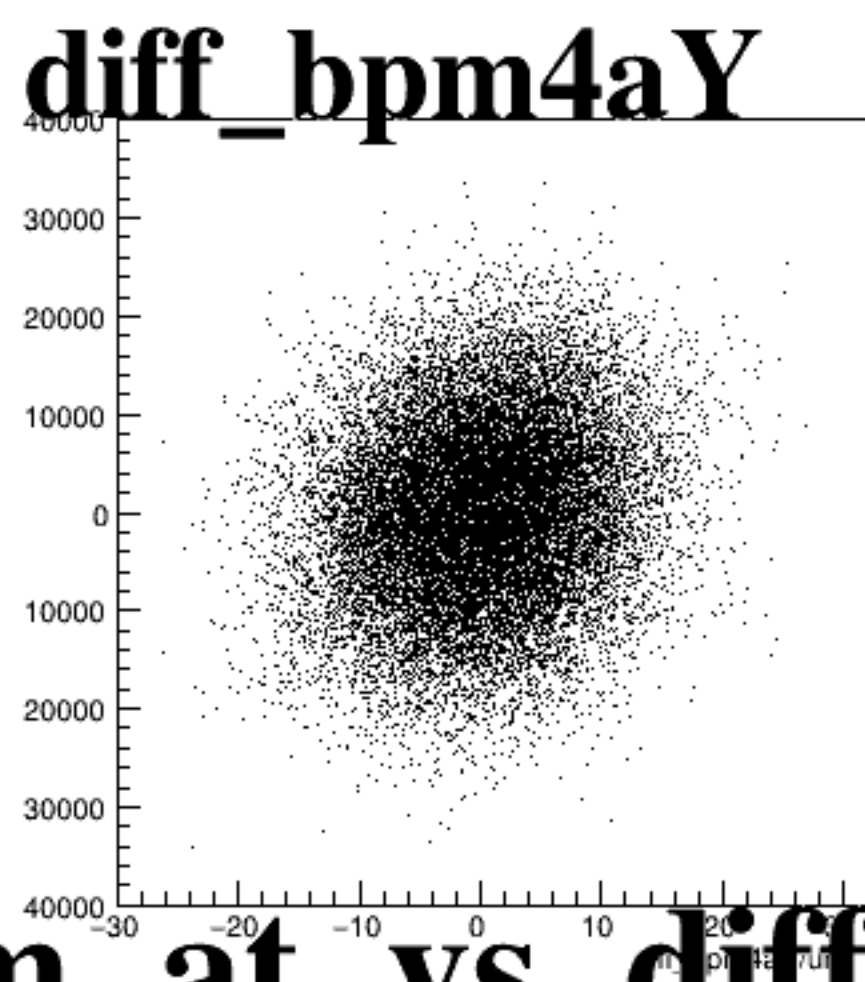
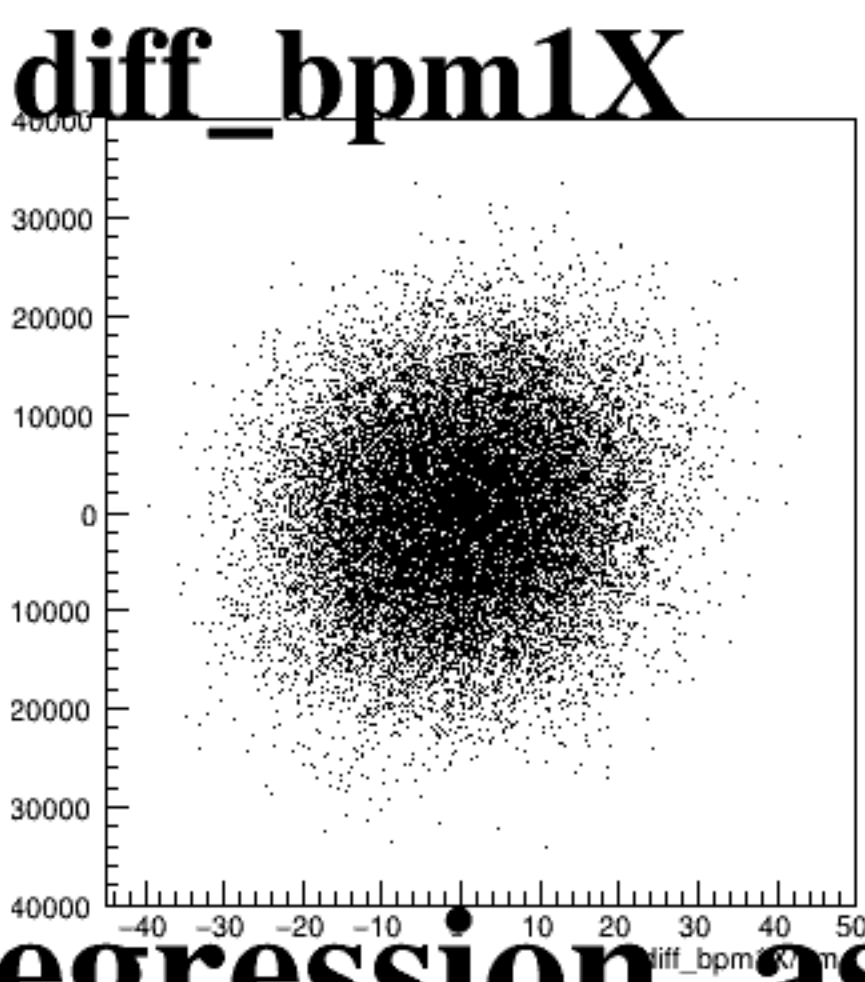
asym_atr1



asym_atl2



asym_atr2



The figure consists of five scatter plots arranged horizontally, each showing the distribution of differences between BPM1 and another BPM (4a, 4e, 12) in X and Y coordinates. The plots are titled 'diff_bpm1X', 'diff_bpm4aY', 'diff_bpm4eX', 'diff_bpm4eY', and 'diff_bpm12X'. Each plot has a dense central cluster of points, indicating a high concentration of measurements near the origin. The axes are labeled with the difference in micrometers (um).

The figure displays five scatter plots, each representing the distribution of regression residuals (diff_bpm) for a specific beam parameter. The plots are arranged horizontally and labeled as follows:

- diff_bpm1X**: Residuals for beam size bpm1, parameter X. The x-axis ranges from -40 to 50, and the y-axis ranges from -10000 to 10000.
- diff_bpm4aY**: Residuals for beam size bpm4a, parameter Y. The x-axis ranges from -30 to 30, and the y-axis ranges from -10000 to 10000.
- diff_bpm4eX**: Residuals for beam size bpm4e, parameter X. The x-axis ranges from -40 to 40, and the y-axis ranges from -10000 to 10000.
- diff_bpm4eY**: Residuals for beam size bpm4e, parameter Y. The x-axis ranges from -30 to 30, and the y-axis ranges from -10000 to 10000.
- diff_bpm12X**: Residuals for beam size bpm12, parameter X. The x-axis ranges from -100 to 100, and the y-axis ranges from -10000 to 10000.

All plots show a dense, roughly circular cloud of points centered at the origin (0,0), indicating that the regression model accurately predicts the beam parameters across the range of beam sizes and parameters shown.