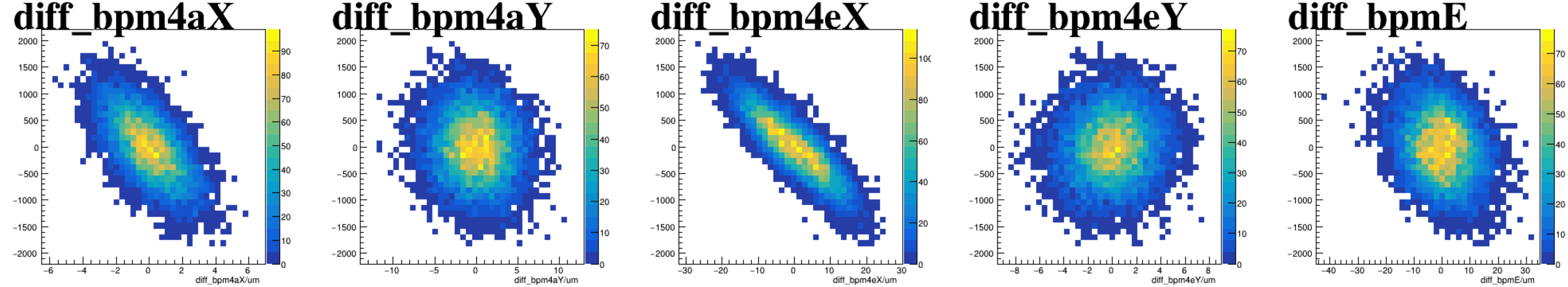
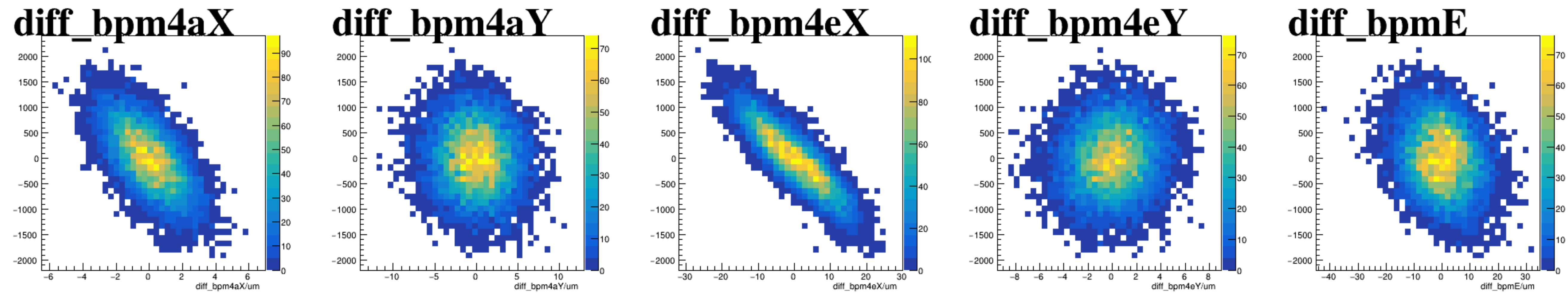


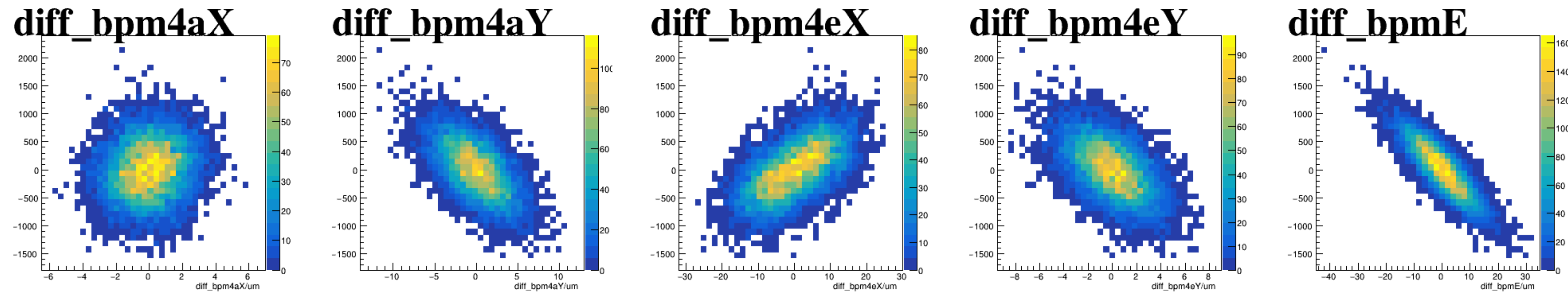
asym_usl



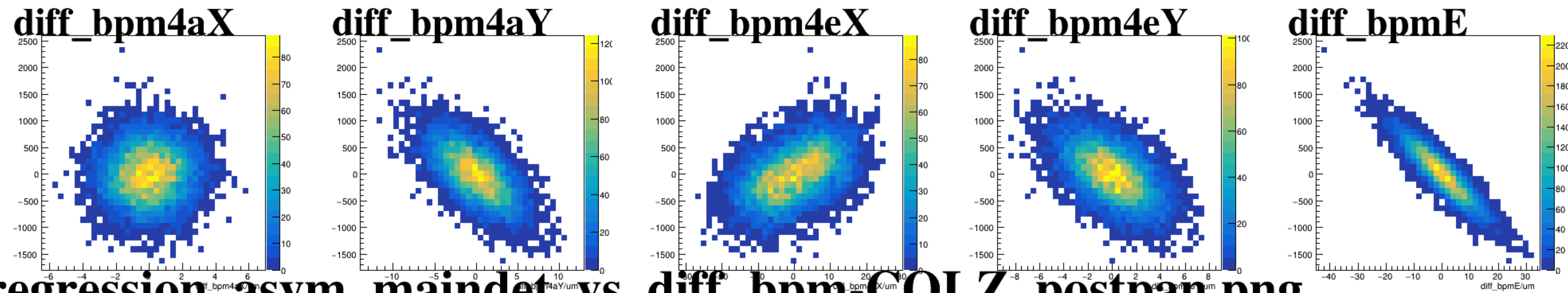
asym_dsl



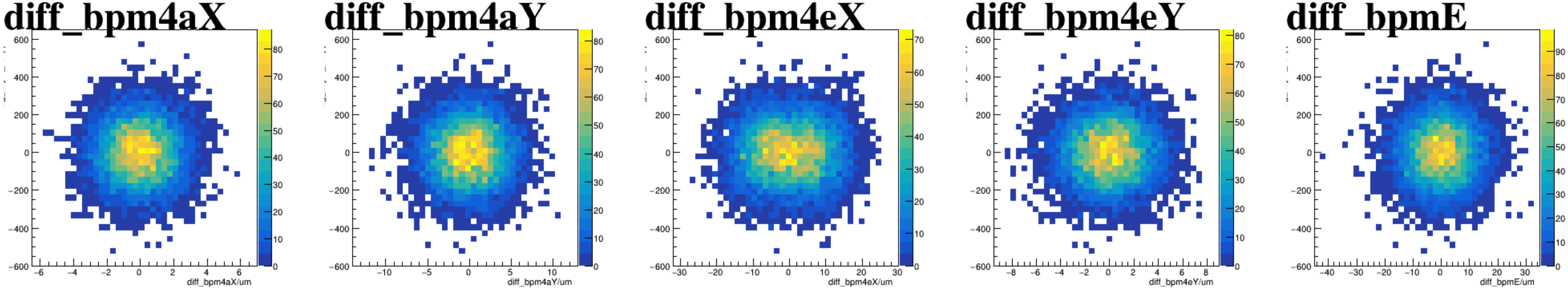
asym_usr



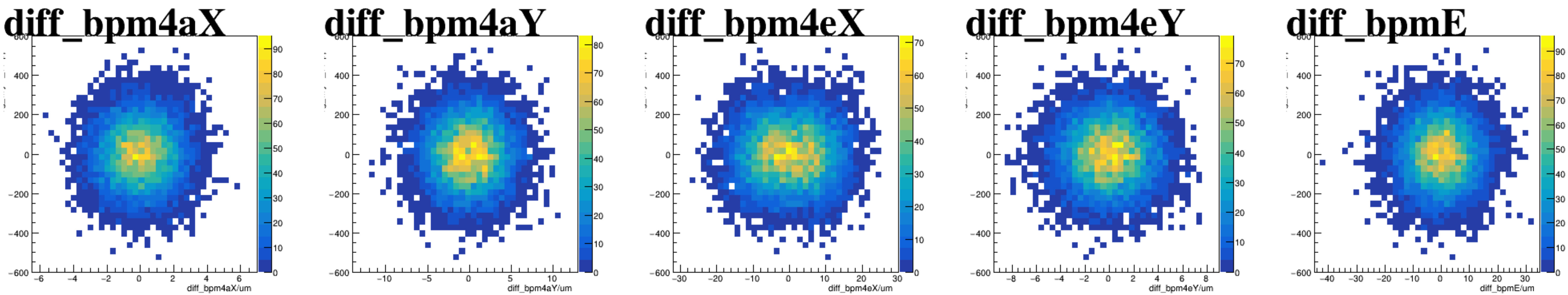
asym_dsr



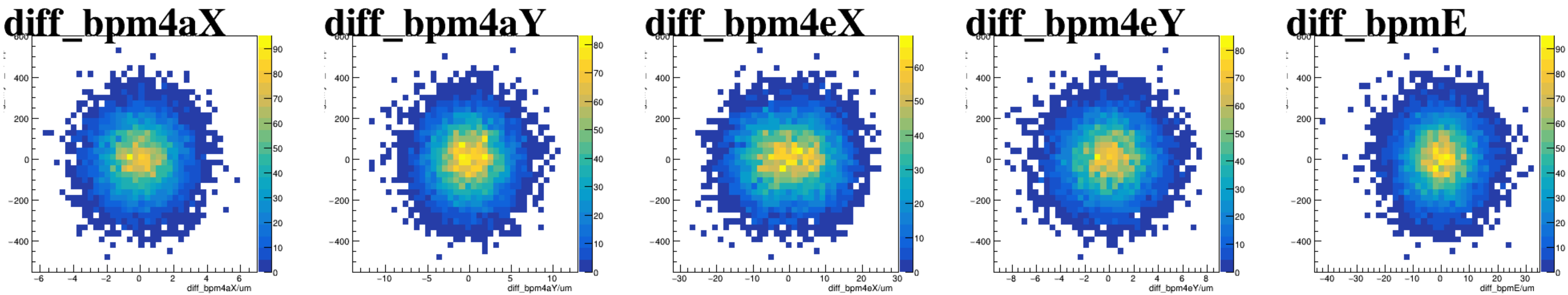
reg_asym_usl



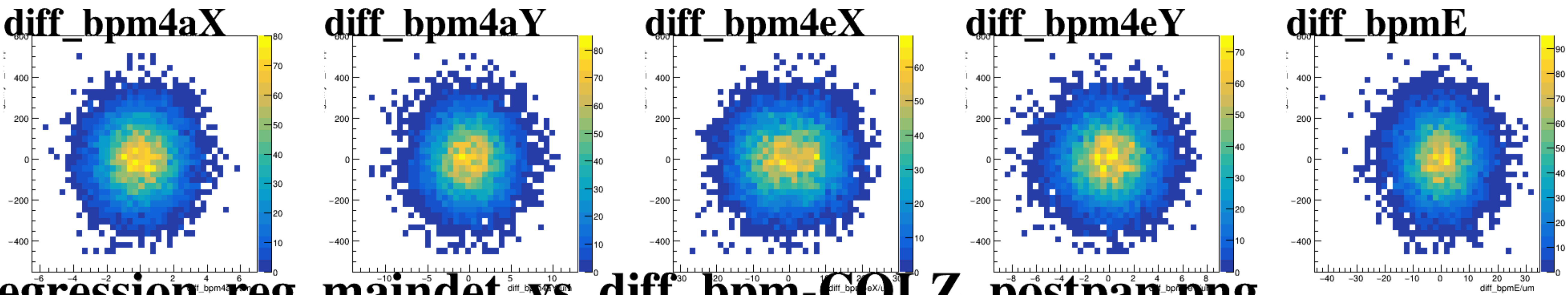
reg_asym_dsl



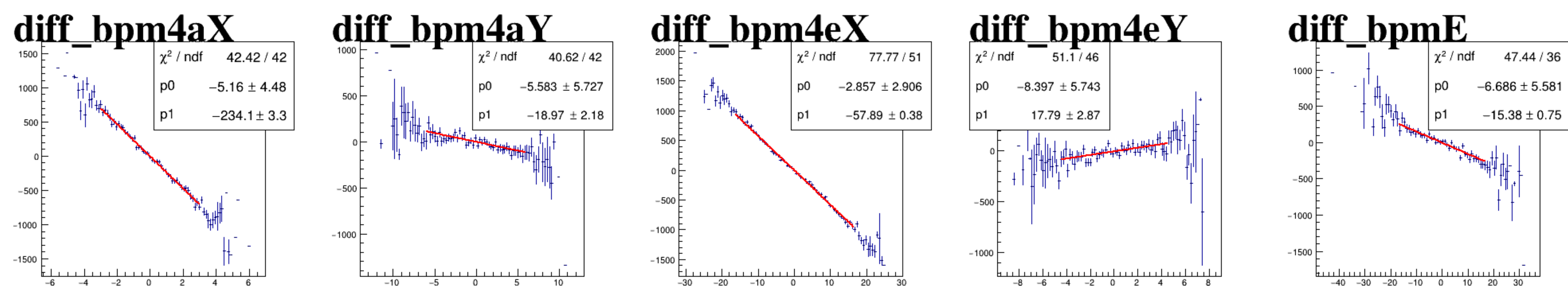
reg_asym_usr



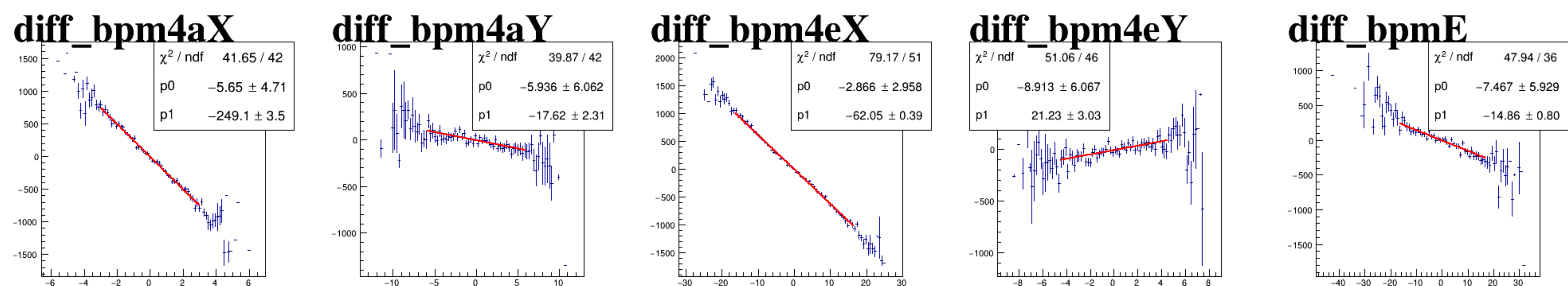
reg_asym_dsr



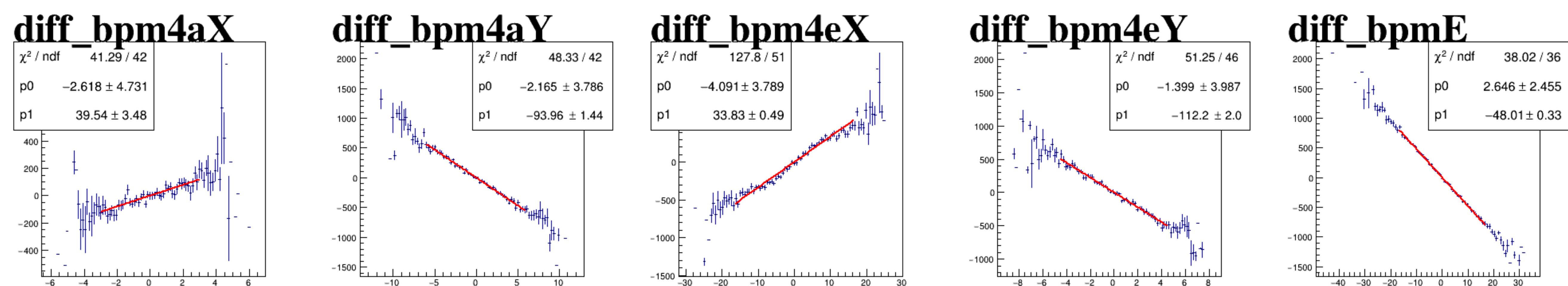
asym_usl



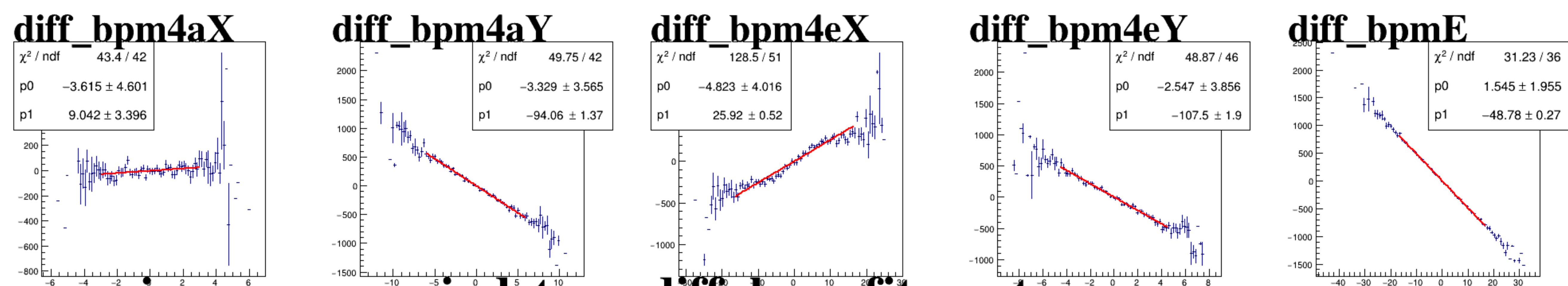
asym_dsl



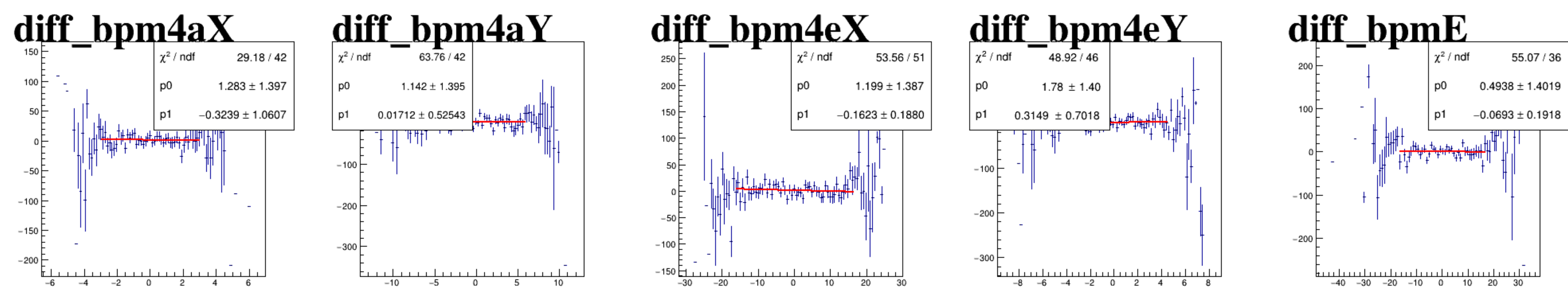
asym_usr



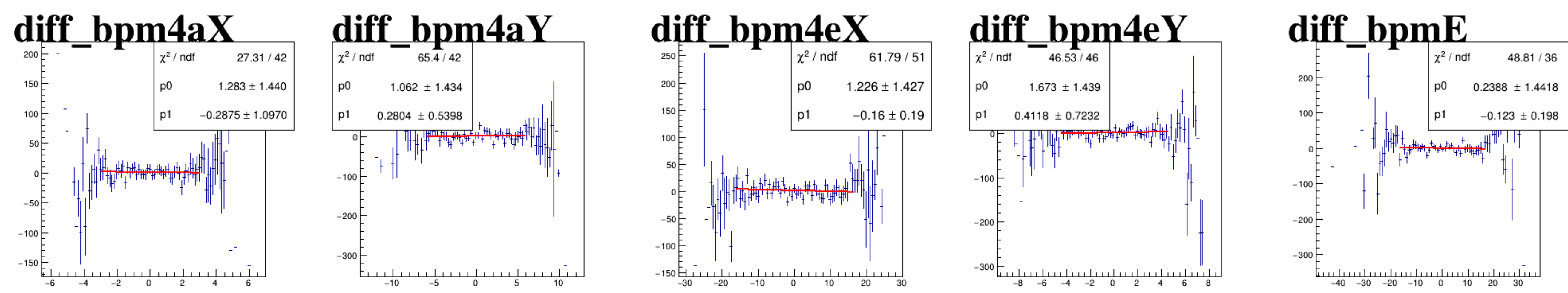
asym_dsr



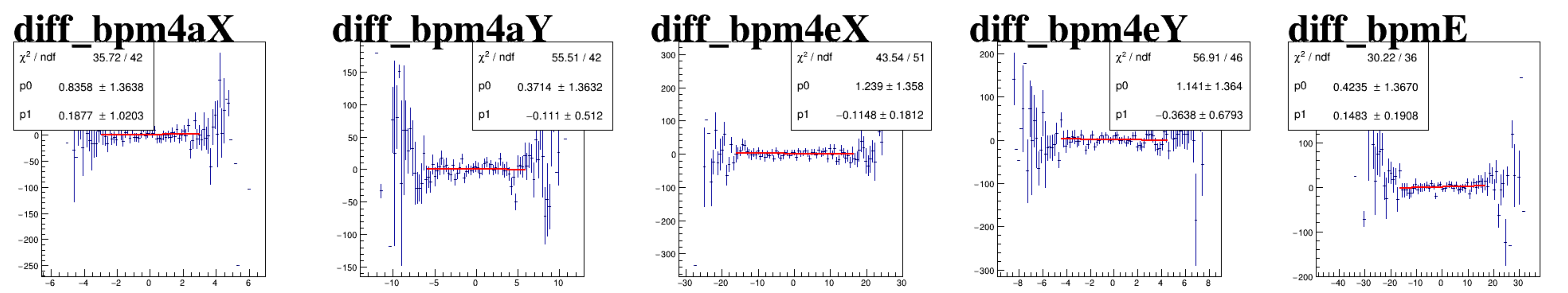
reg_asym_usl



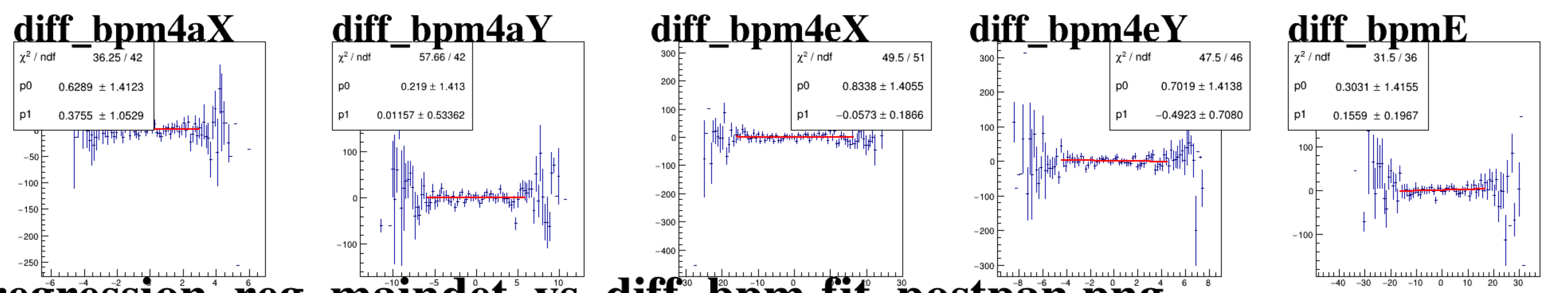
reg_asym_dsl



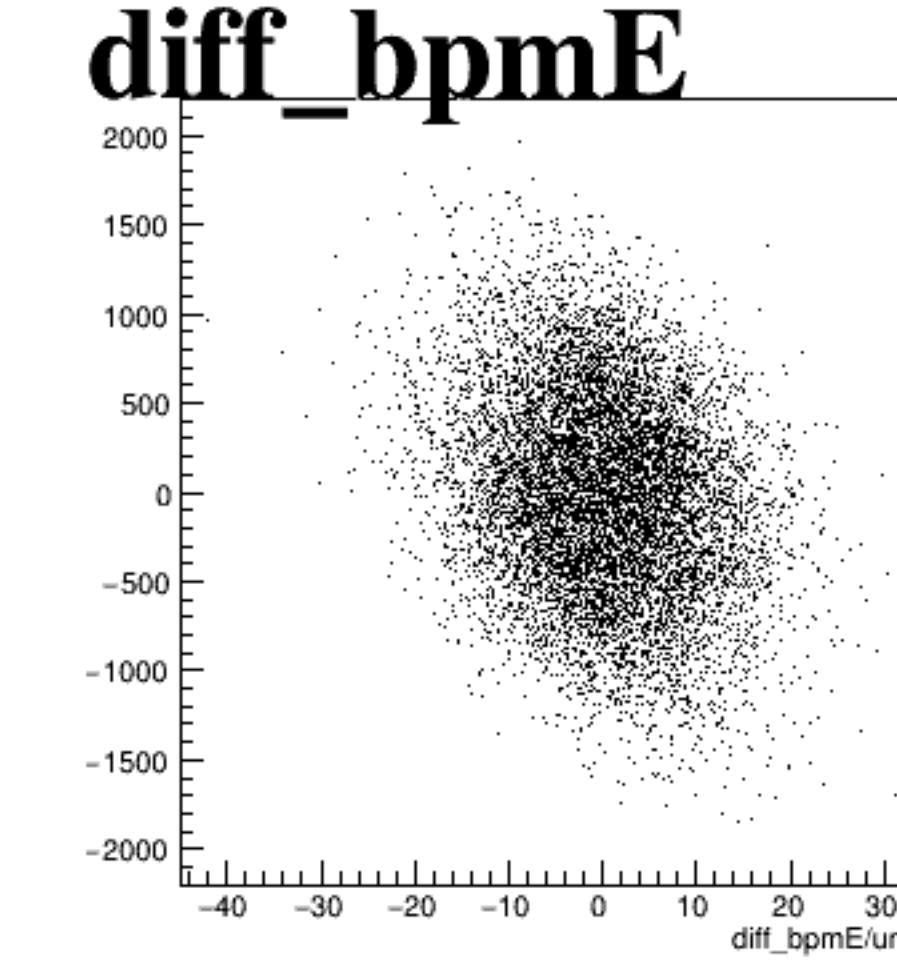
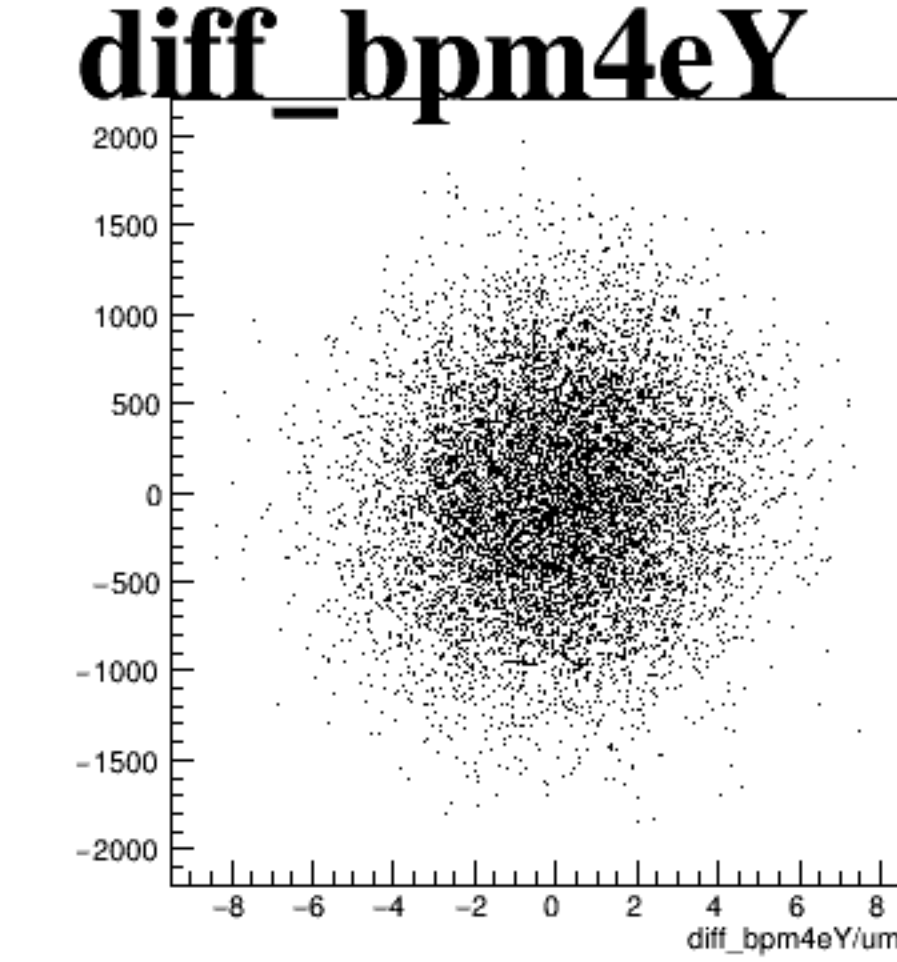
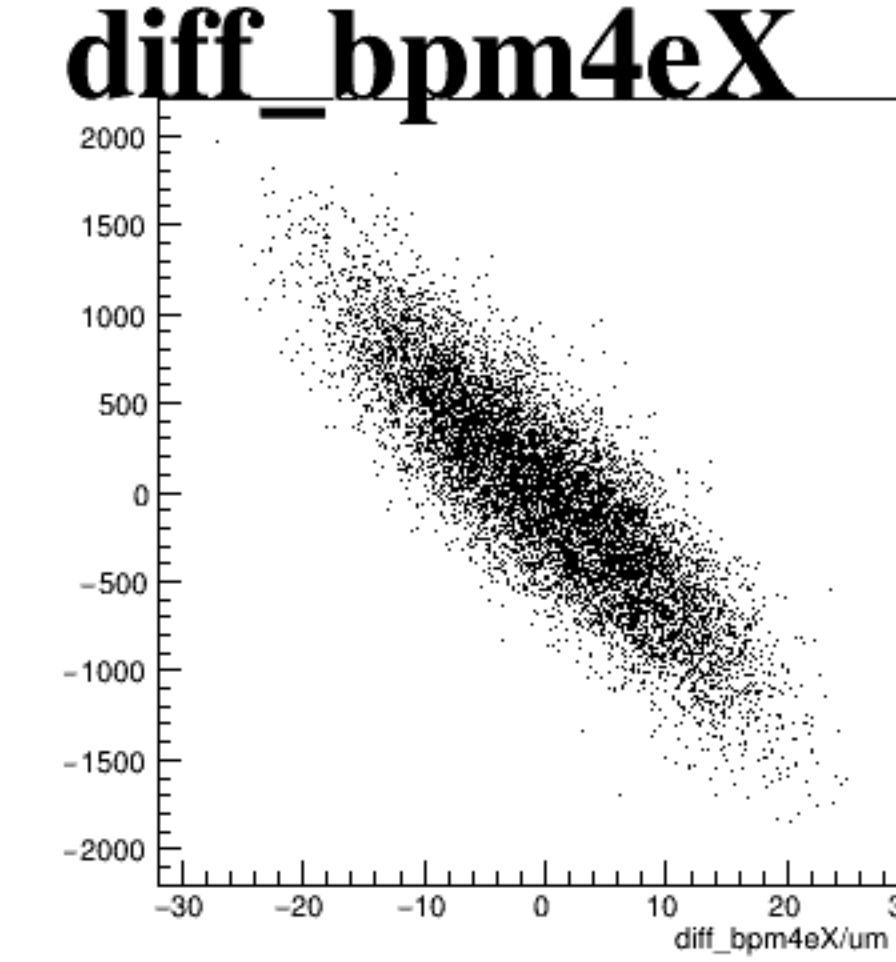
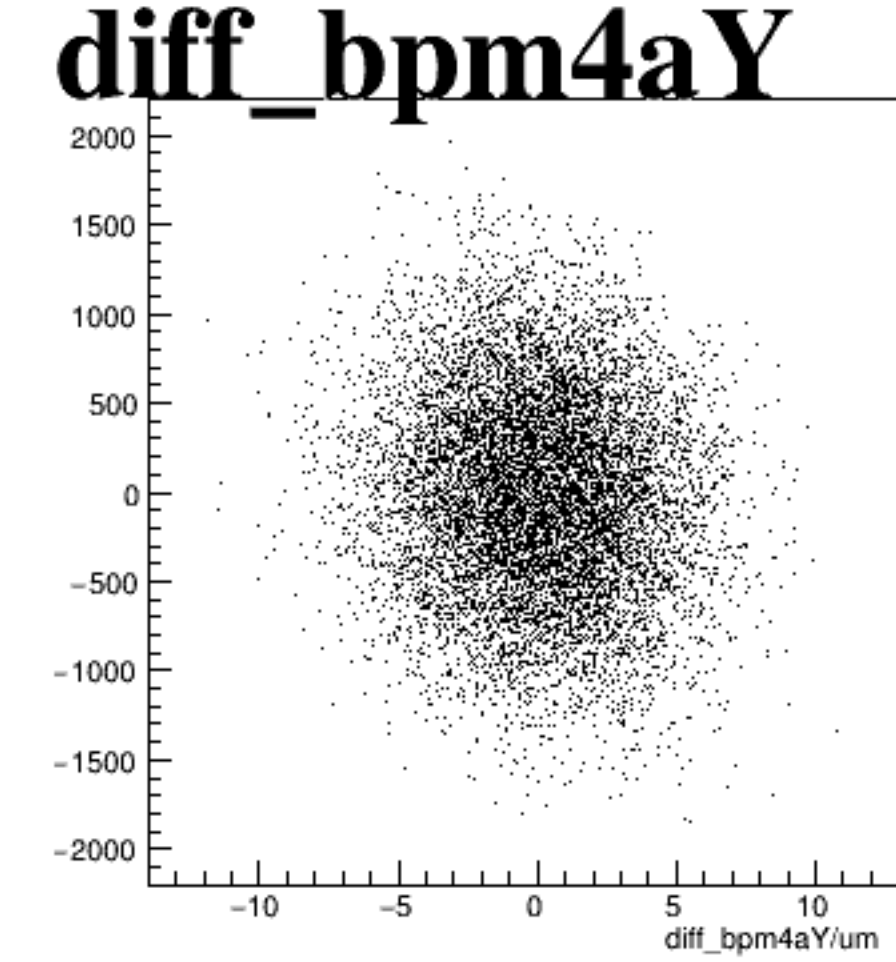
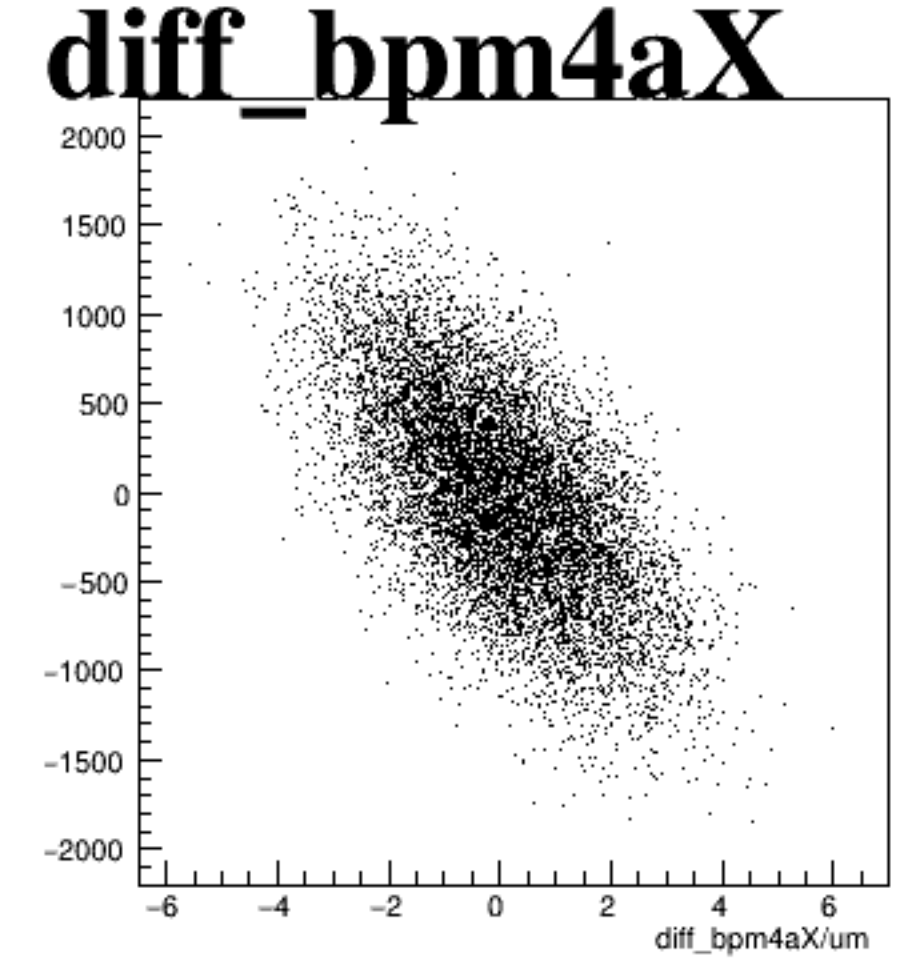
reg_asym_usr



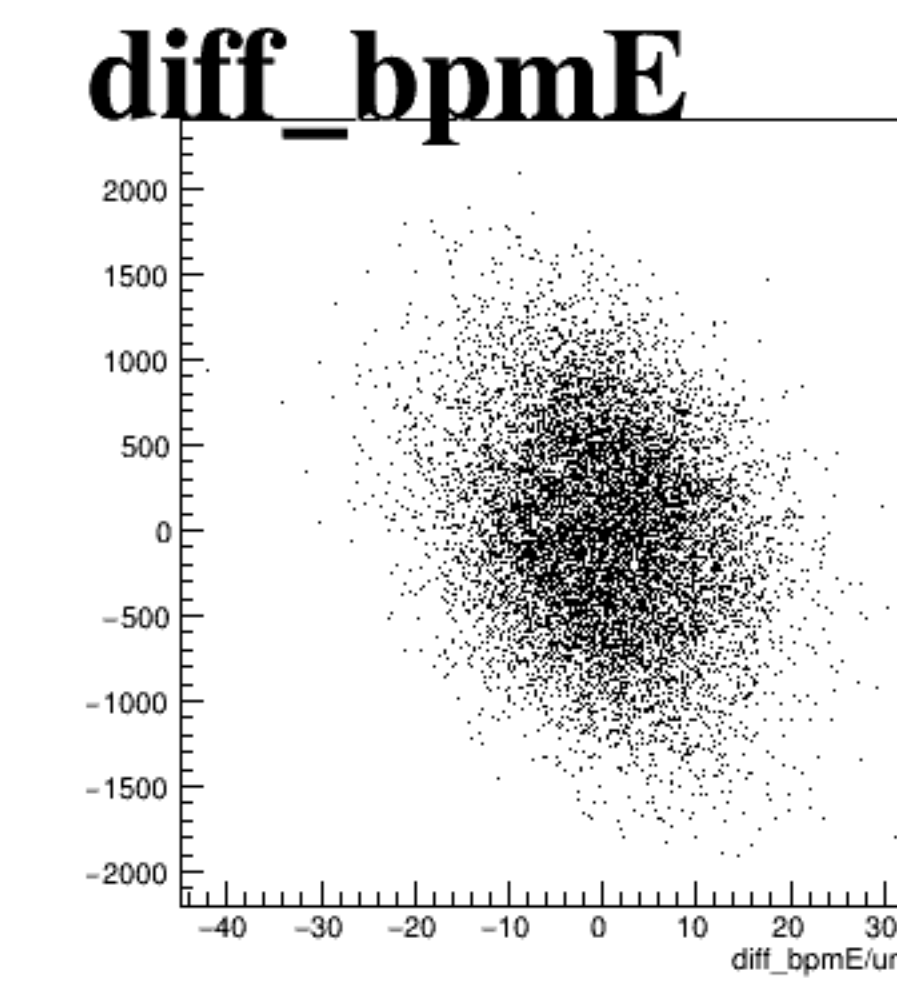
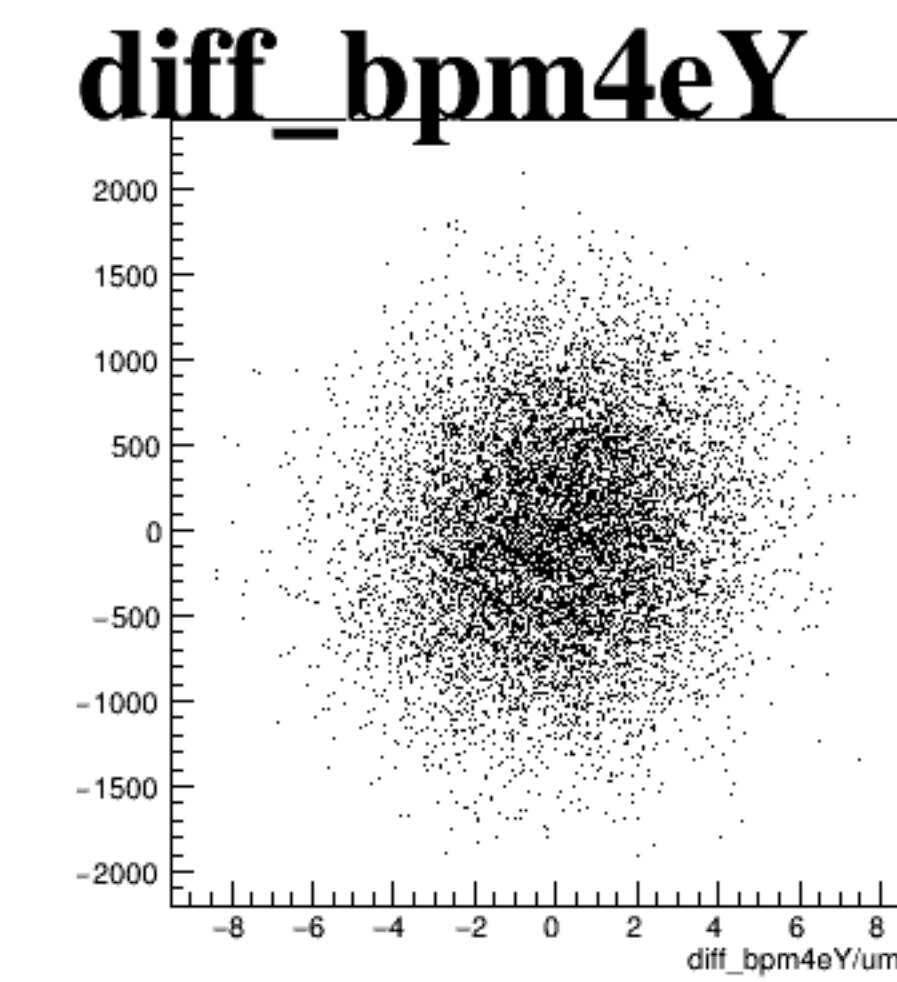
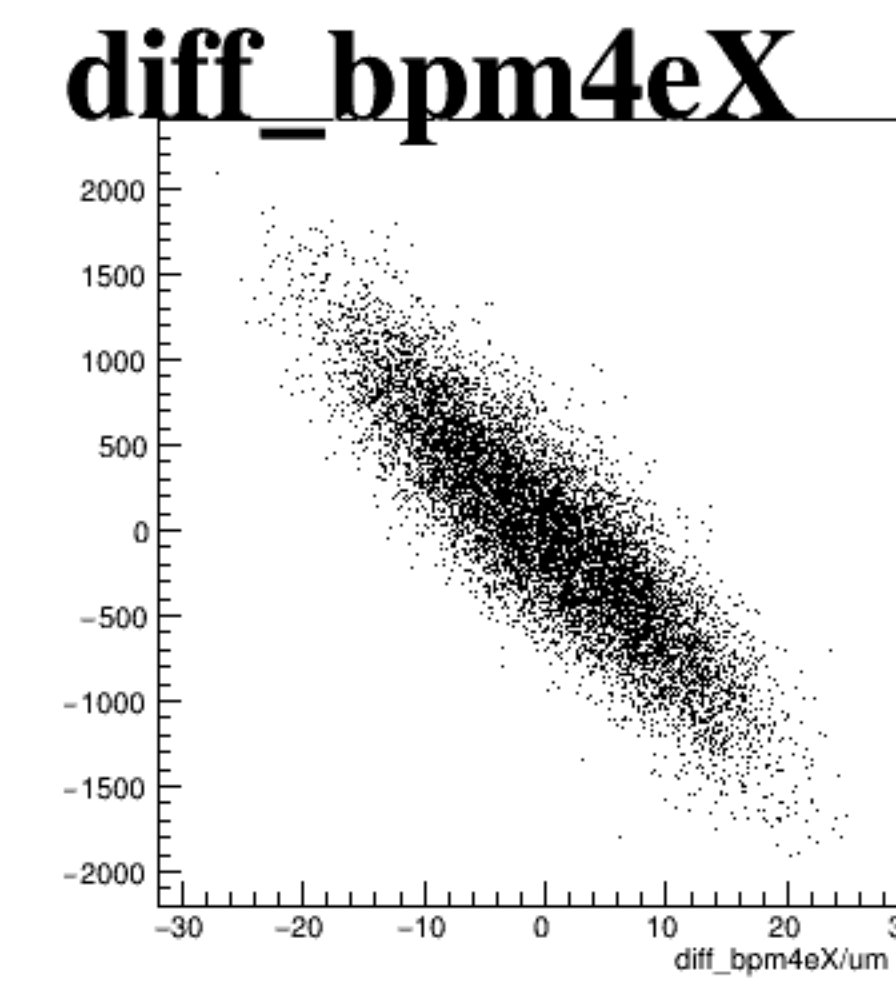
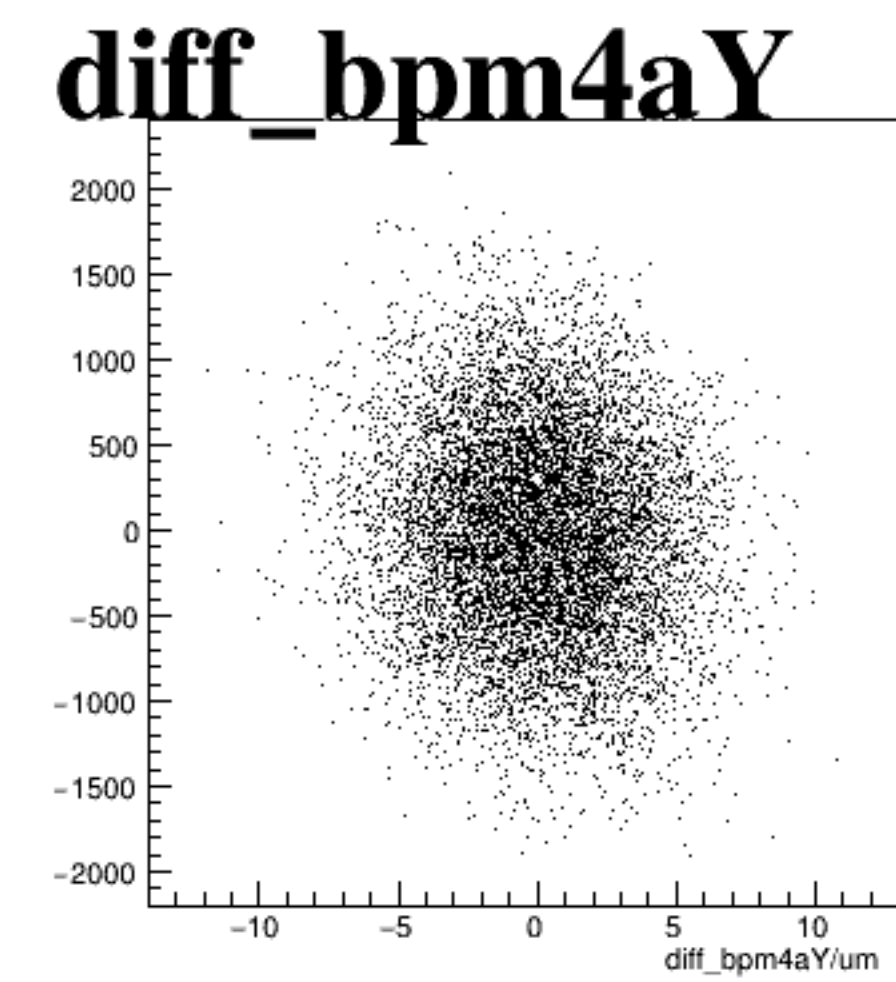
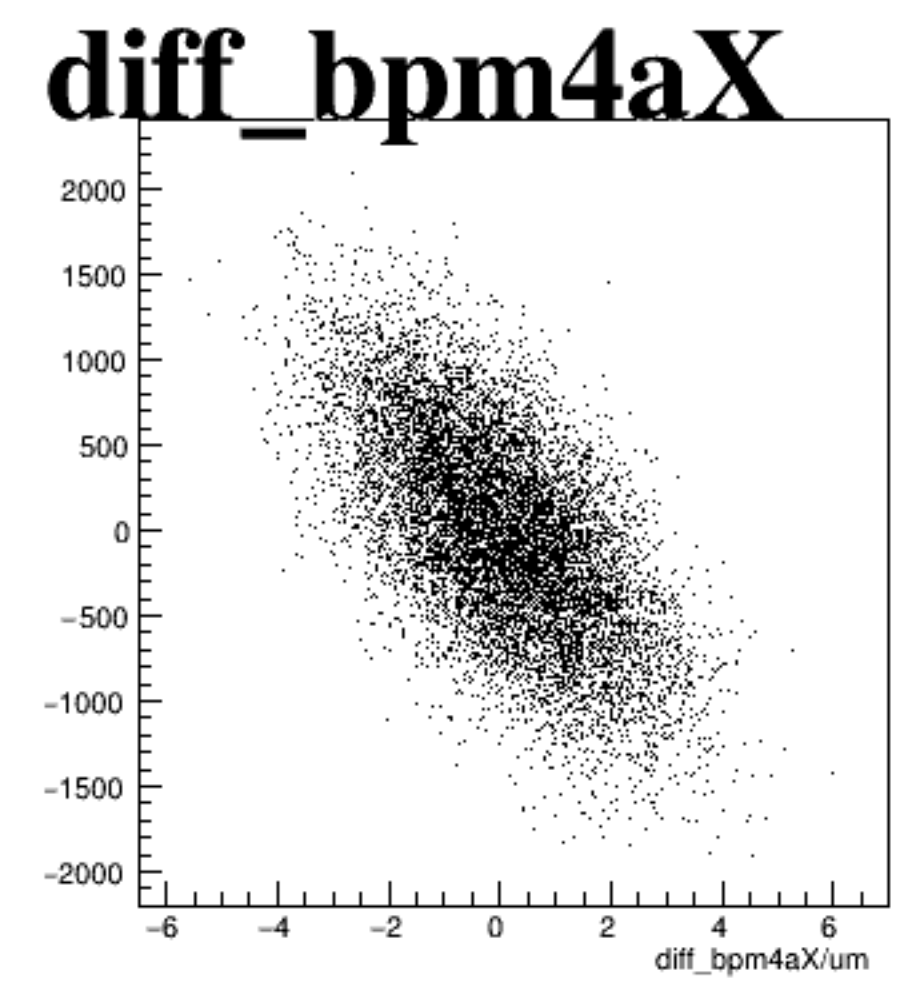
reg_asym_dsr



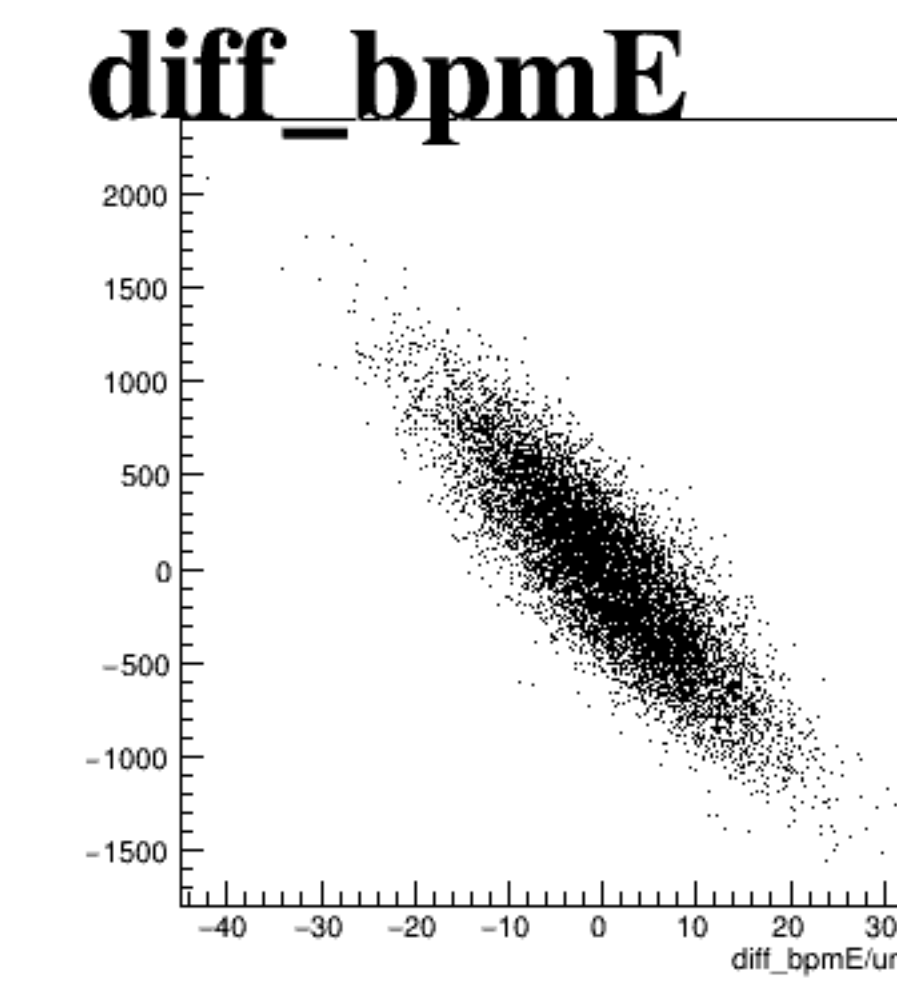
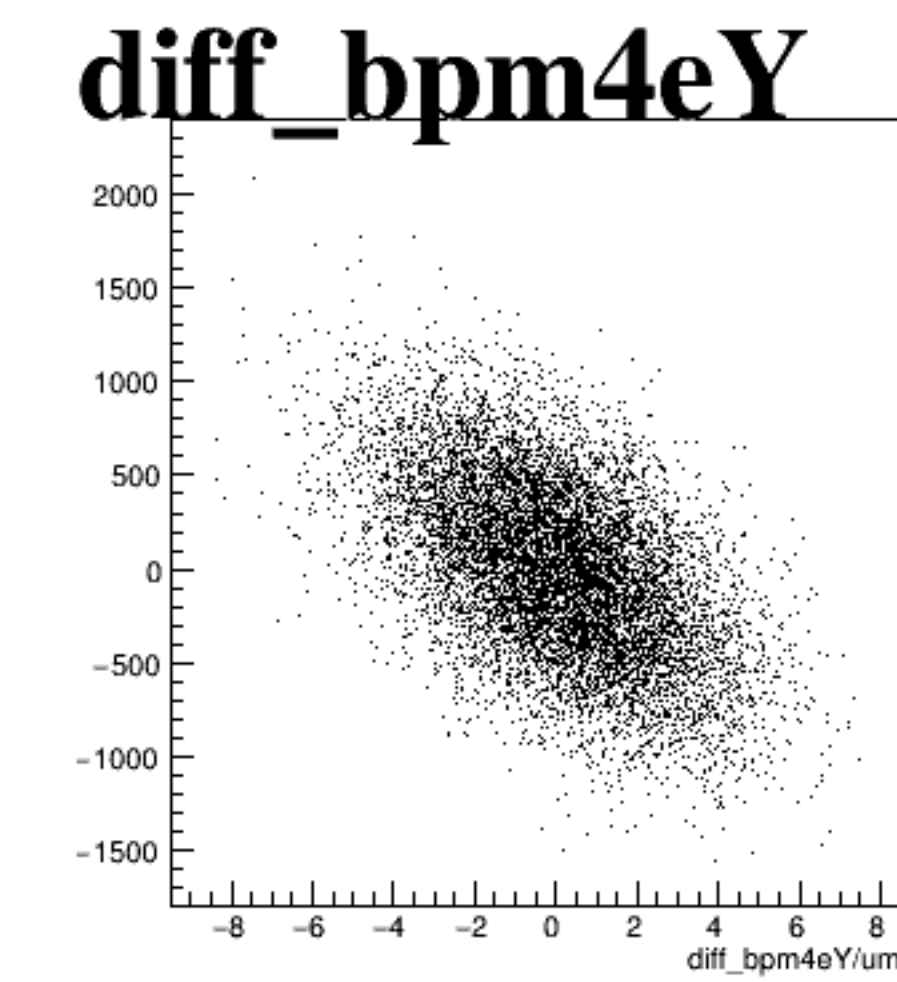
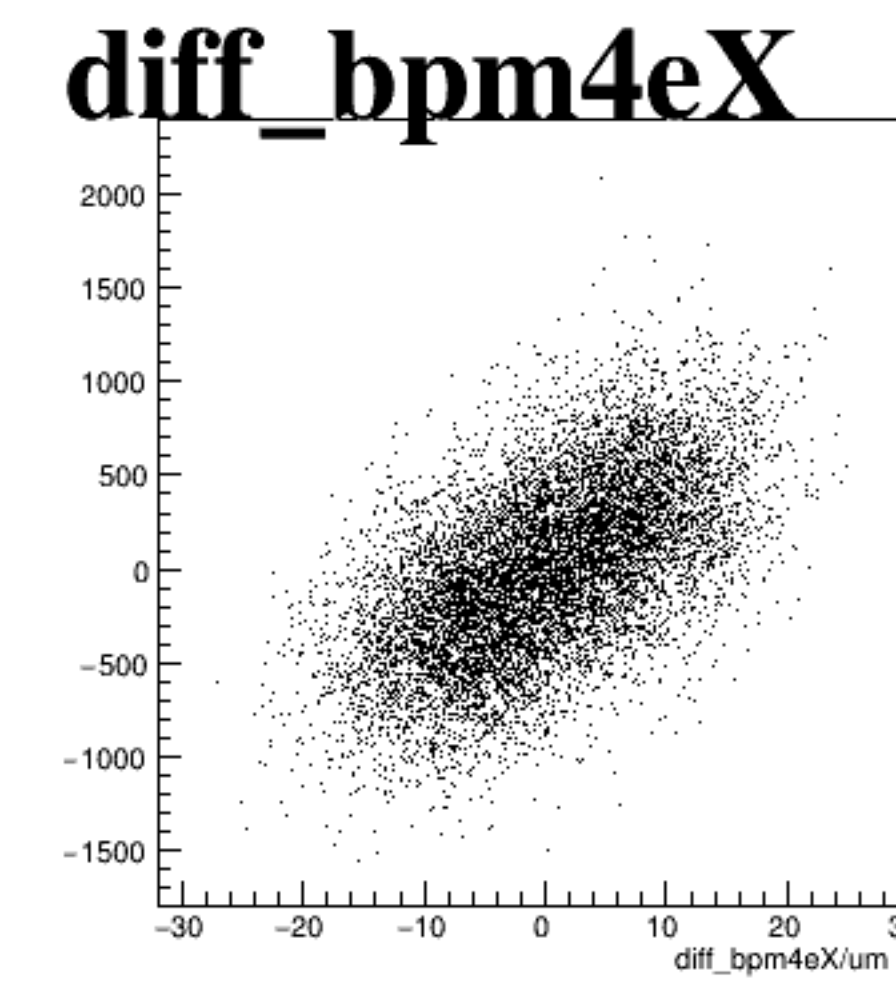
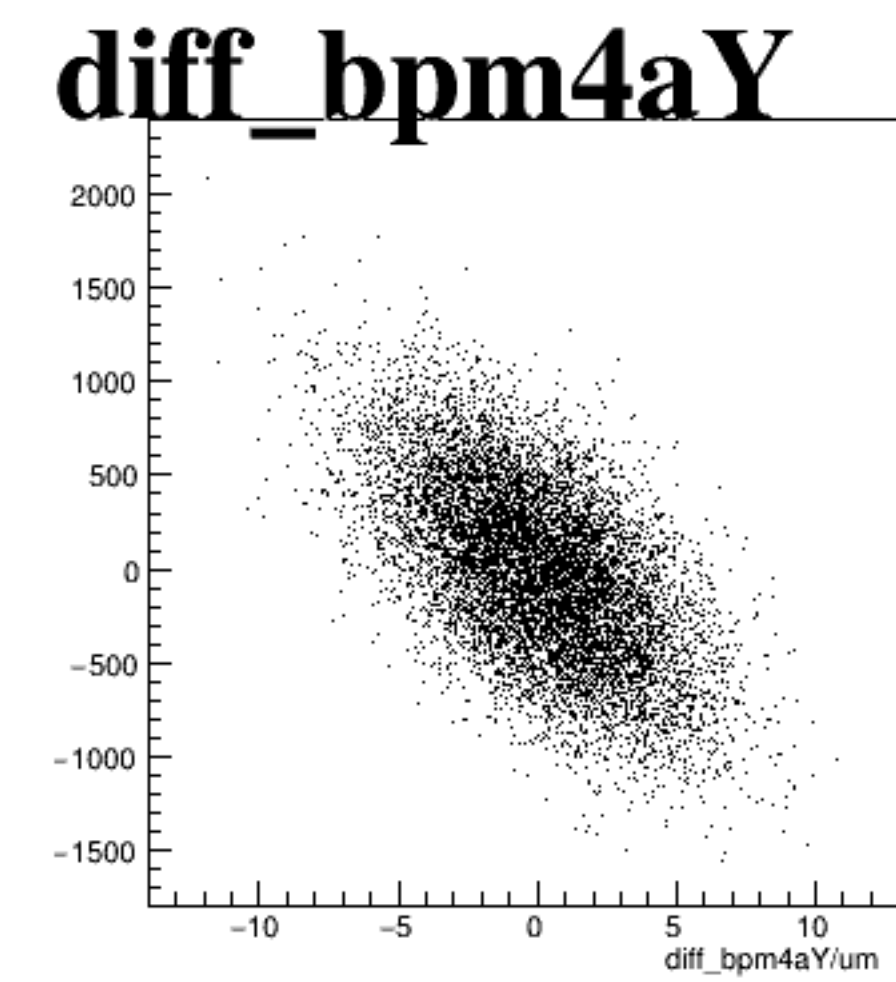
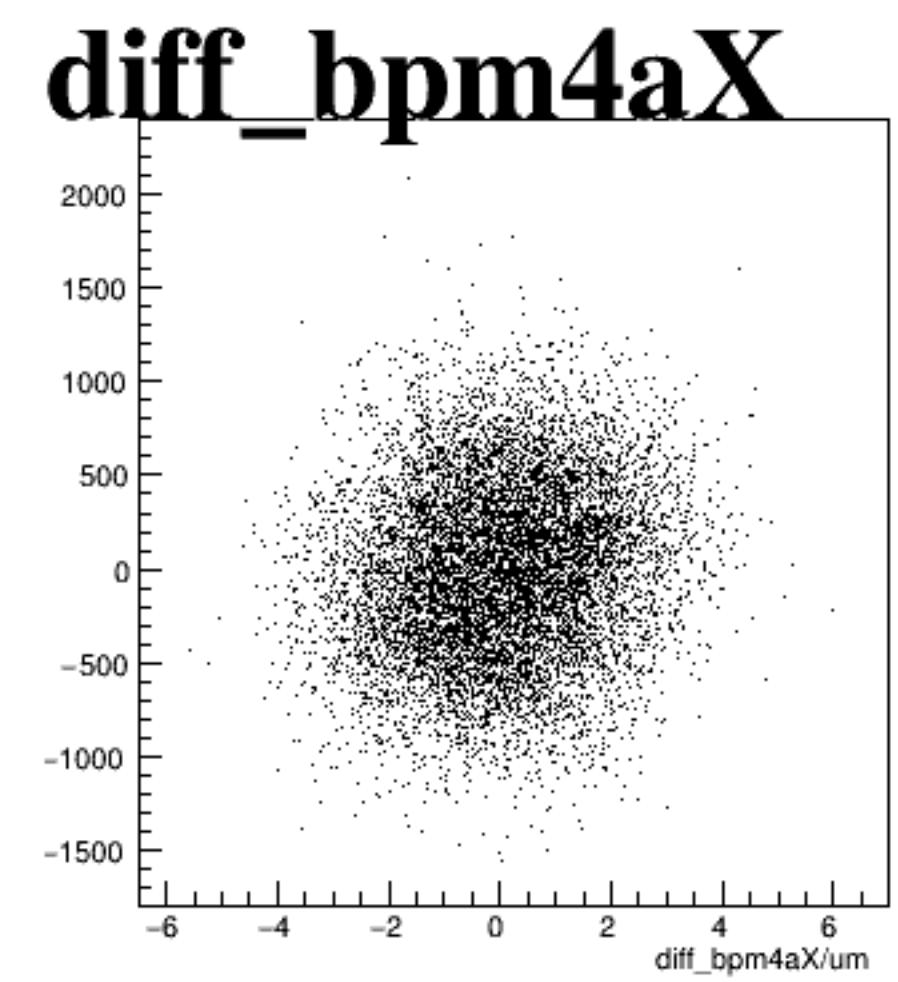
asym_usl



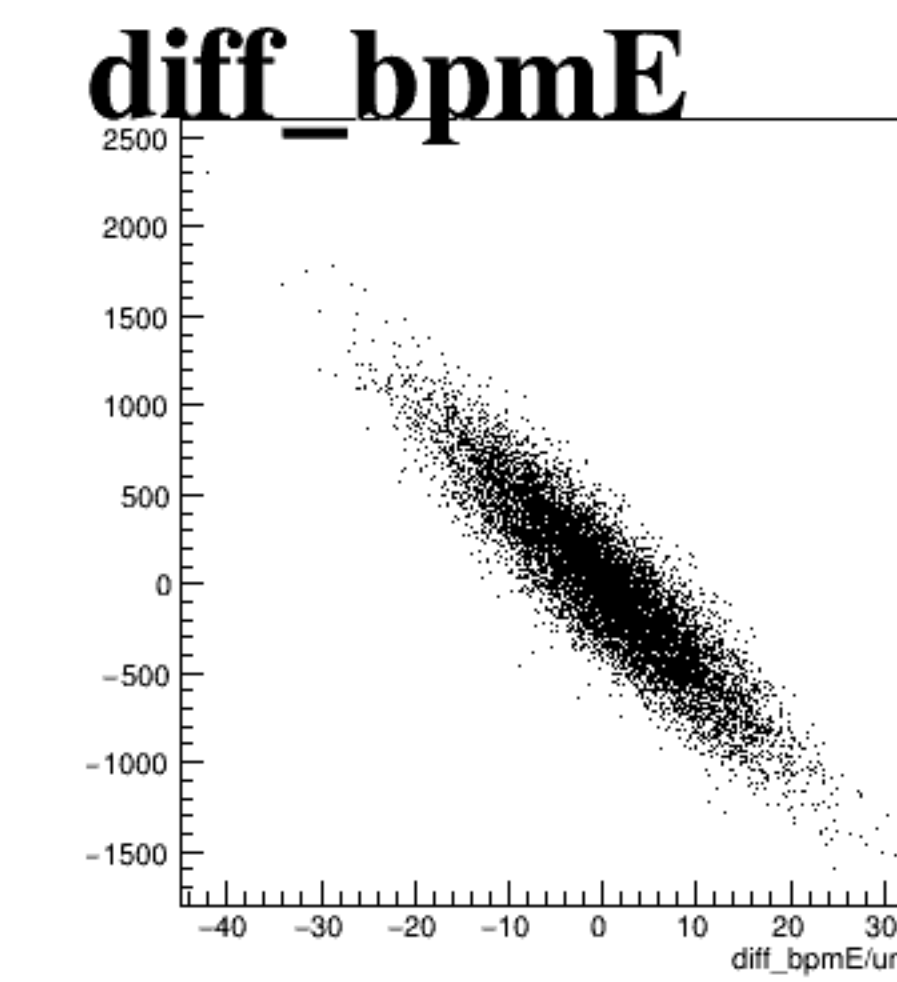
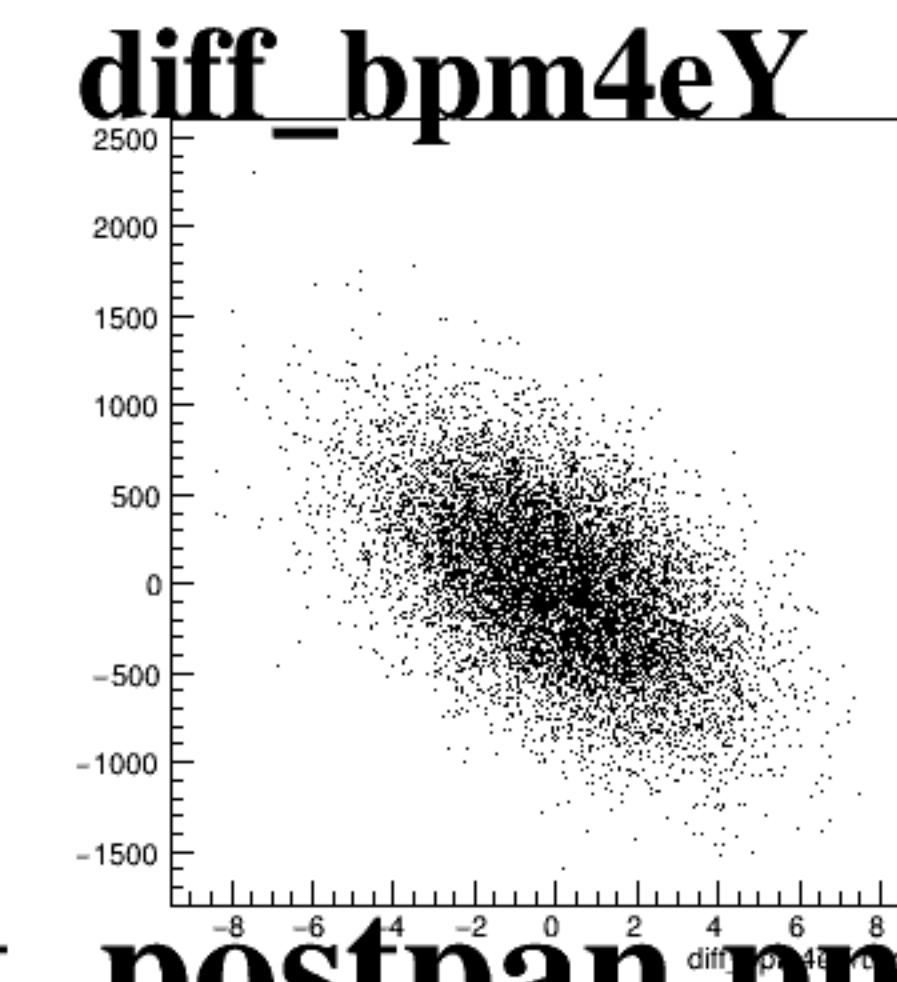
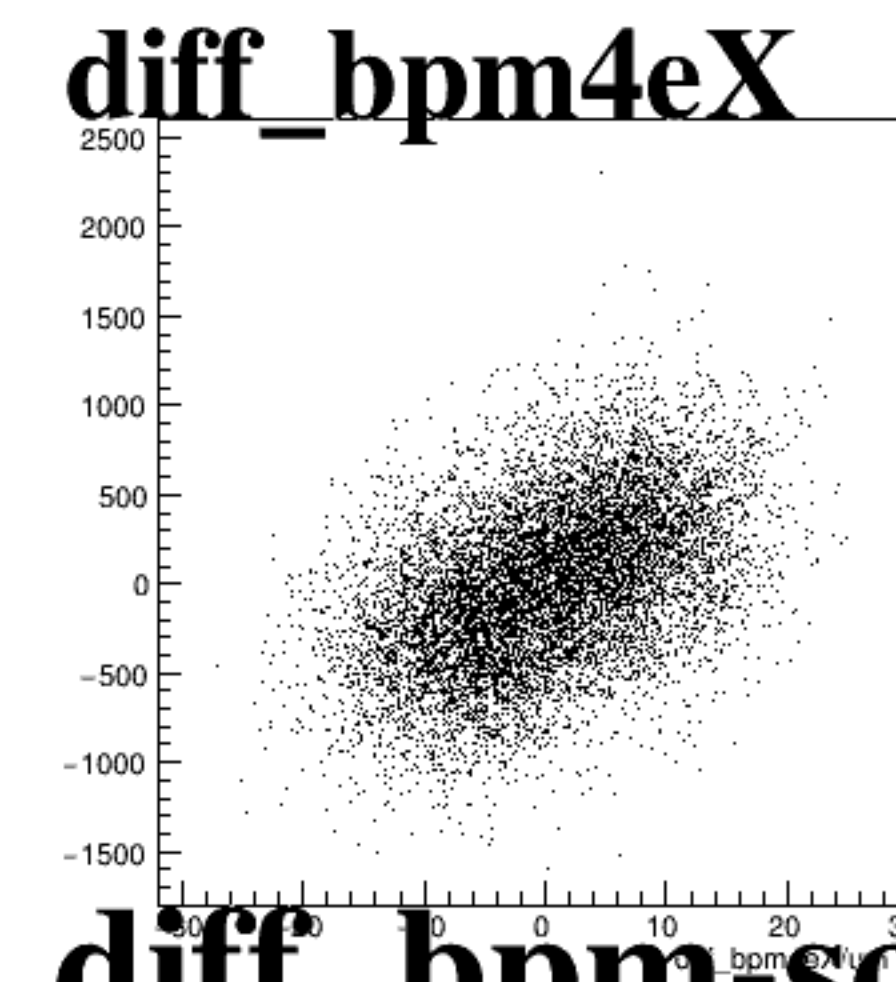
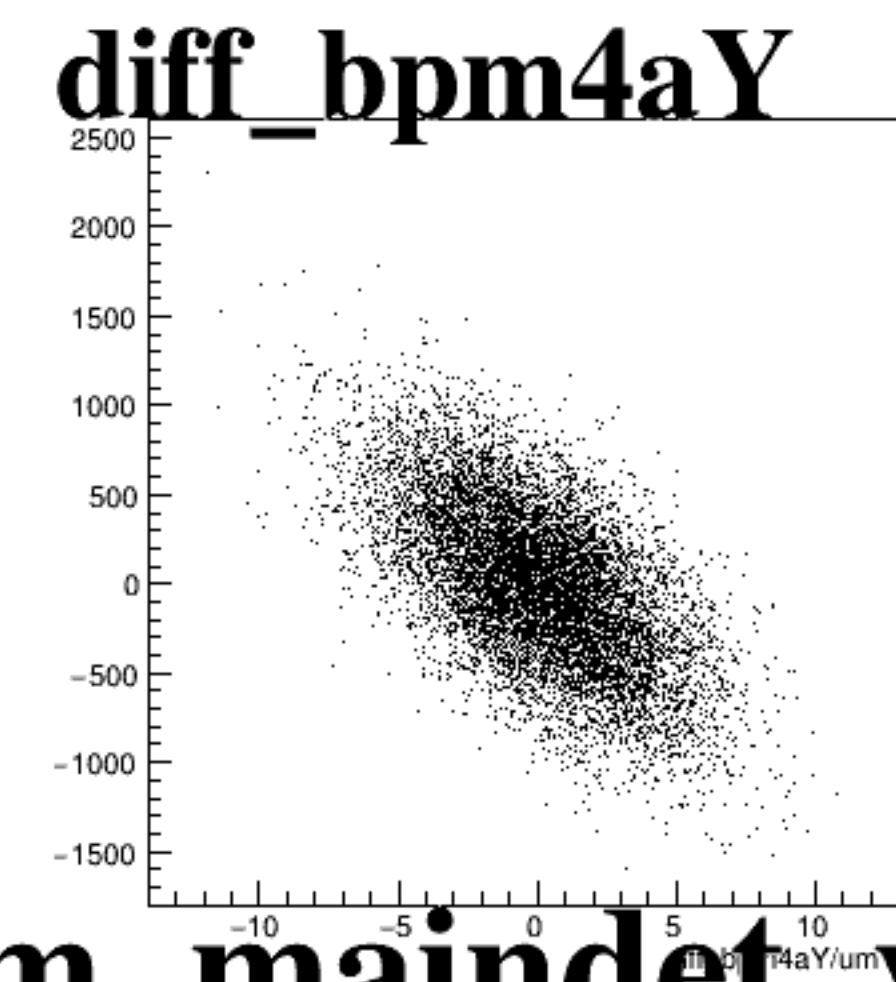
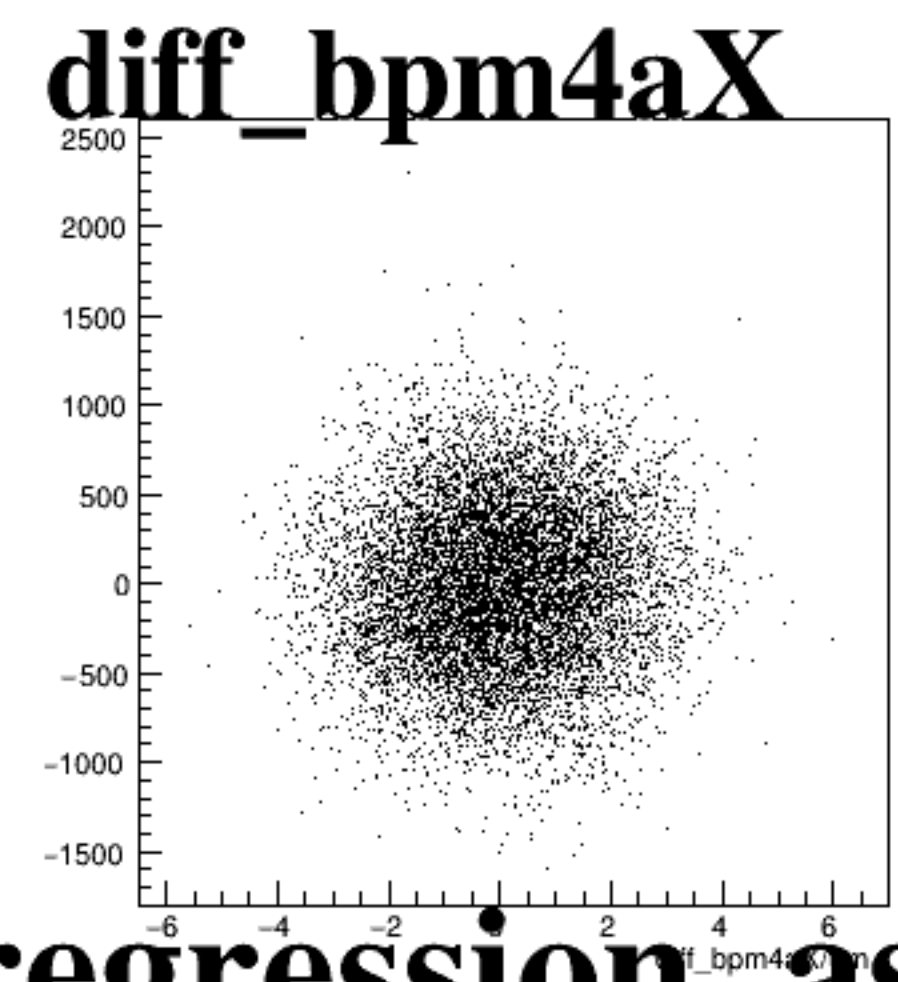
asym_dsl



asym_usr



asym_dsr



The figure consists of five scatter plots arranged horizontally, each showing the distribution of differences in BPM coordinates for a specific beam position. The plots are titled as follows:

- diff_bpm4aX**: The x-axis is labeled $\text{diff_bpm4aX}/\mu\text{m}$ and ranges from -6 to 6. The y-axis ranges from -400 to 600.
- diff_bpm4aY**: The x-axis is labeled $\text{diff_bpm4aY}/\mu\text{m}$ and ranges from -10 to 10. The y-axis ranges from -400 to 600.
- diff_bpm4eX**: The x-axis is labeled $\text{diff_bpm4eX}/\mu\text{m}$ and ranges from -30 to 30. The y-axis ranges from -400 to 600.
- diff_bpm4eY**: The x-axis is labeled $\text{diff_bpm4eY}/\mu\text{m}$ and ranges from -8 to 8. The y-axis ranges from -400 to 600.
- diff_bpmE**: The x-axis is labeled $\text{diff_bpmE}/\mu\text{m}$ and ranges from -40 to 30. The y-axis ranges from -400 to 600.

All plots show a dense, roughly circular cloud of points centered at the origin (0,0), indicating a Gaussian-like distribution of differences. The spread of the data is largest for the center BPM (E) and smallest for the BPMs closest to the center (4aX and 4aY).

diff_bpm4aX

diff_bpm4aY

diff_bpm4eX

diff_bpm4eY

diff_bpmE