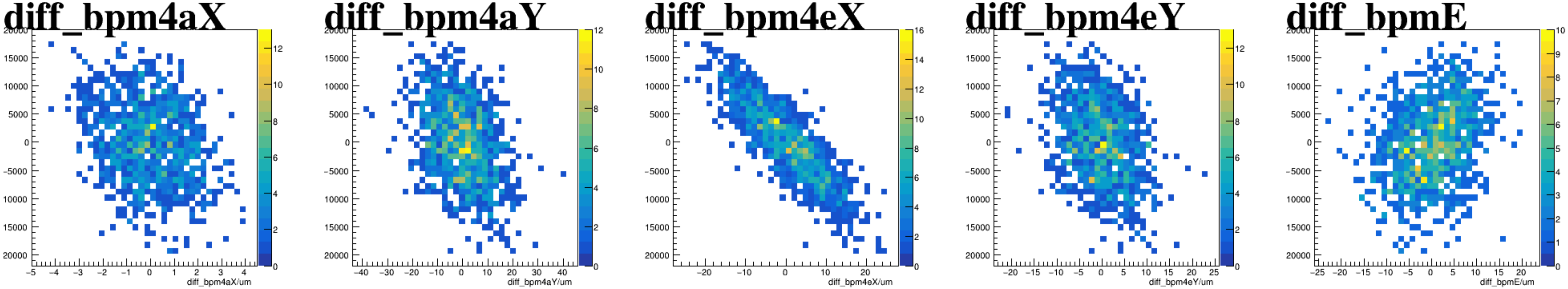
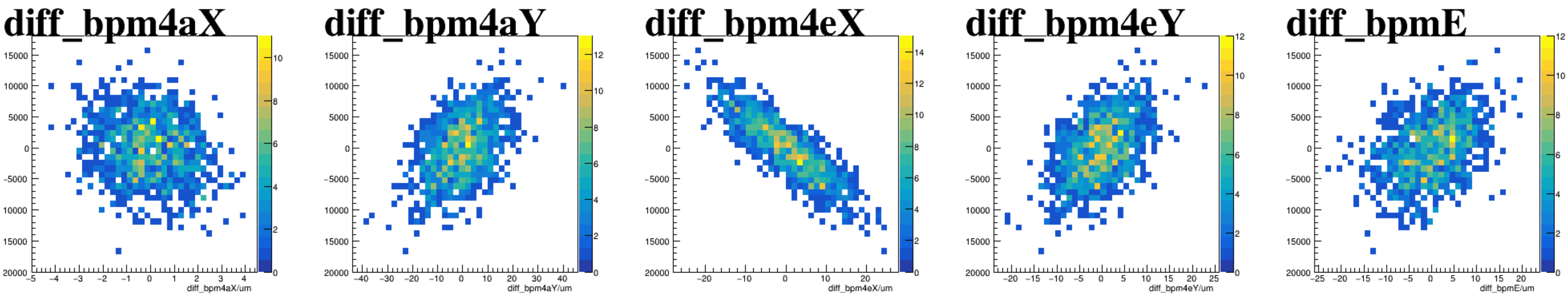


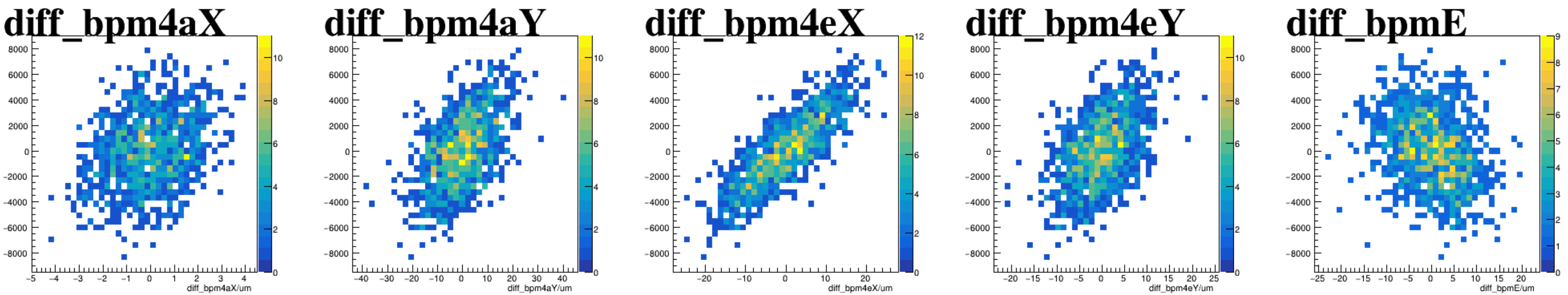
asym_sam2



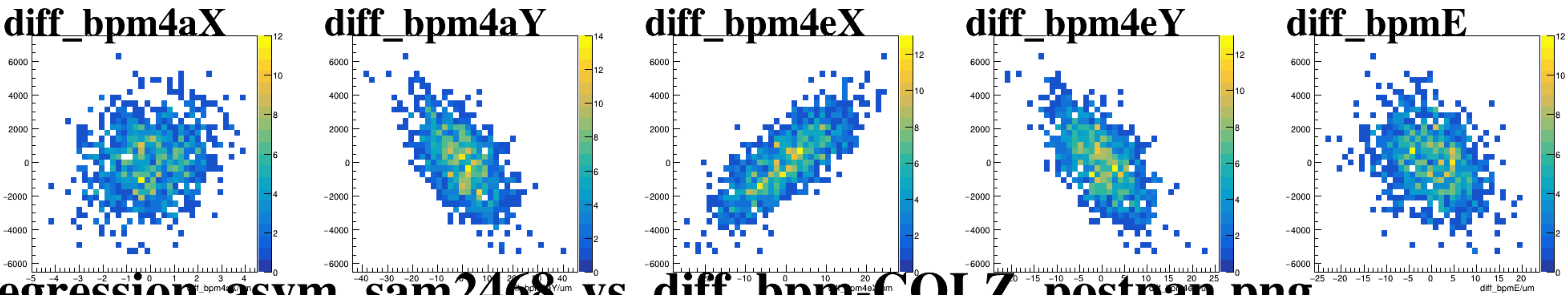
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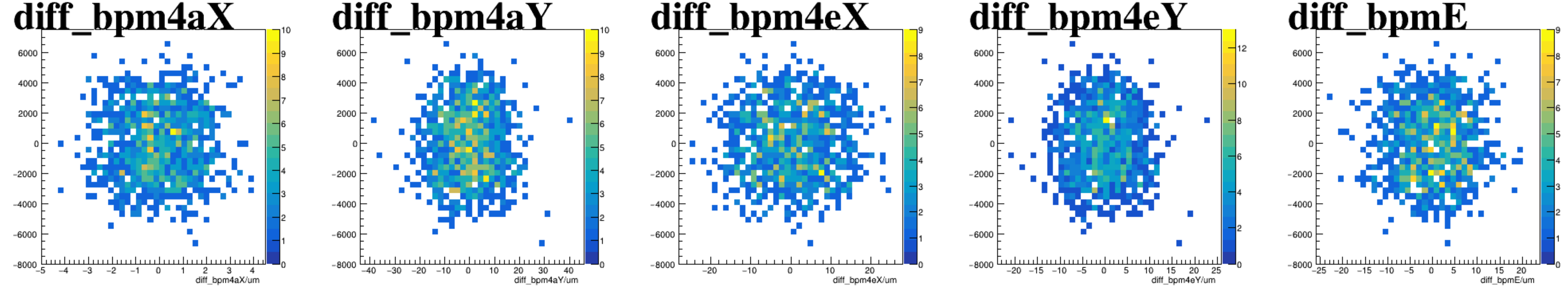
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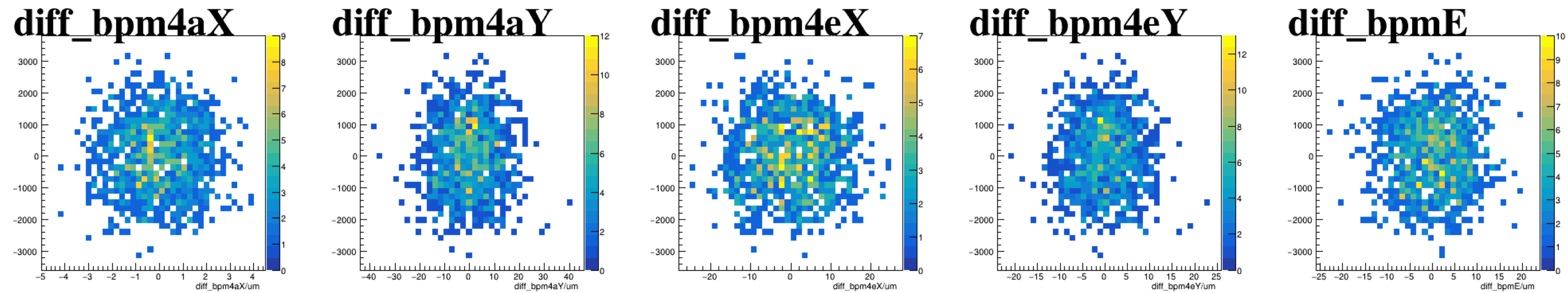
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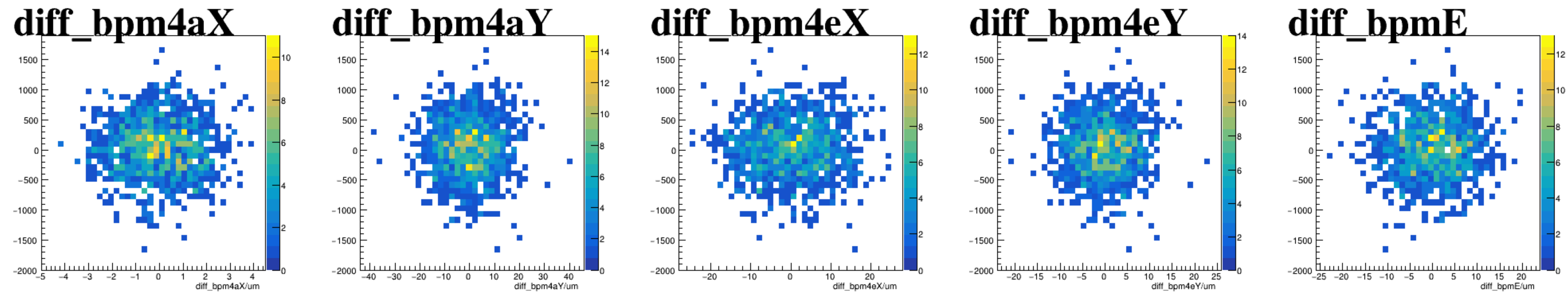
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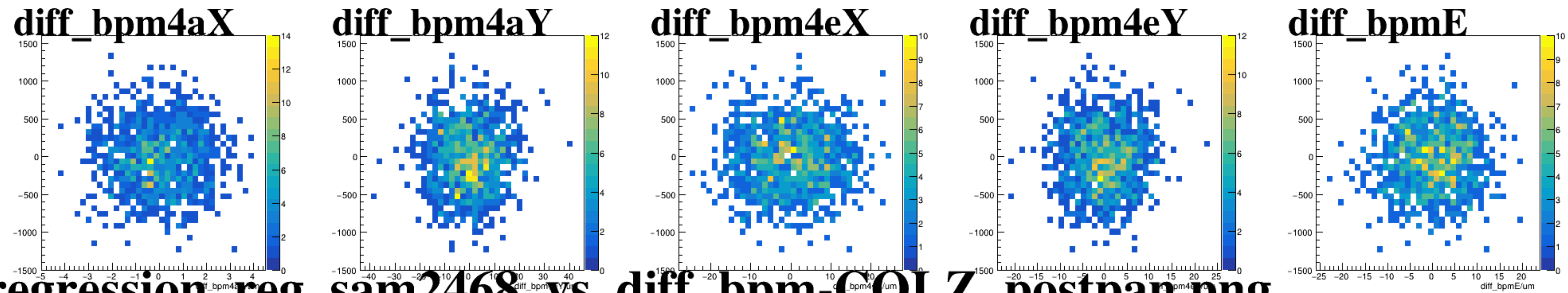
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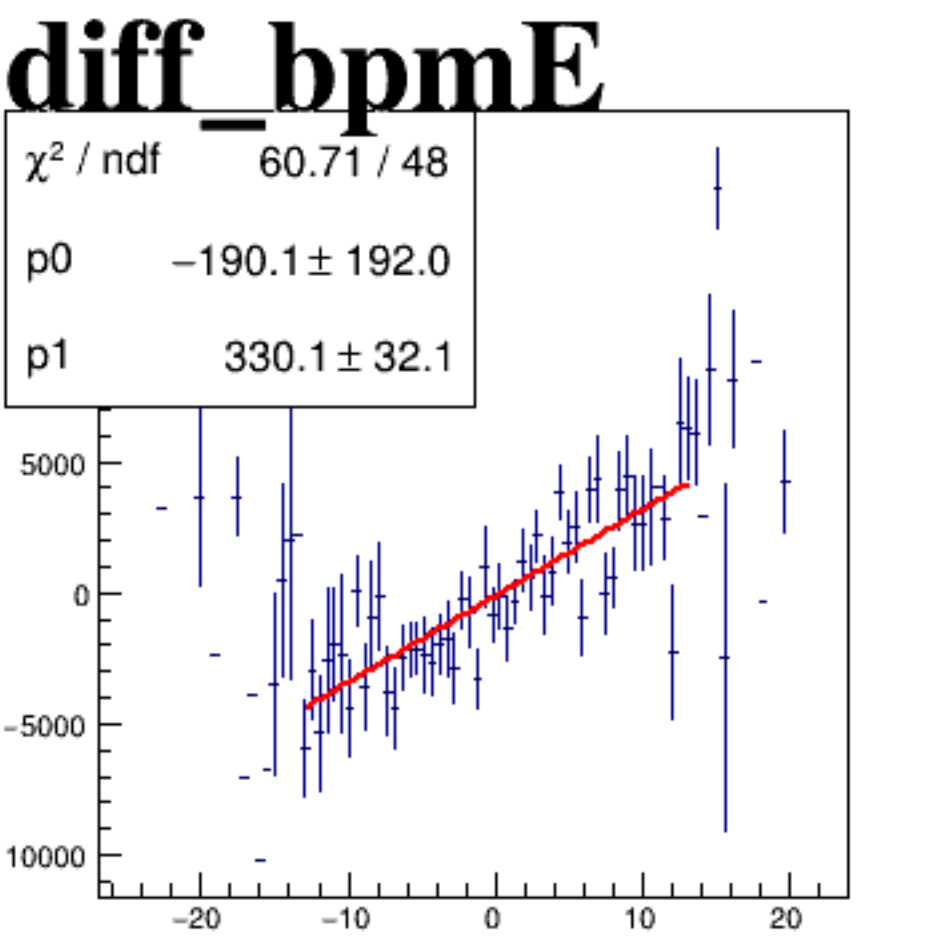
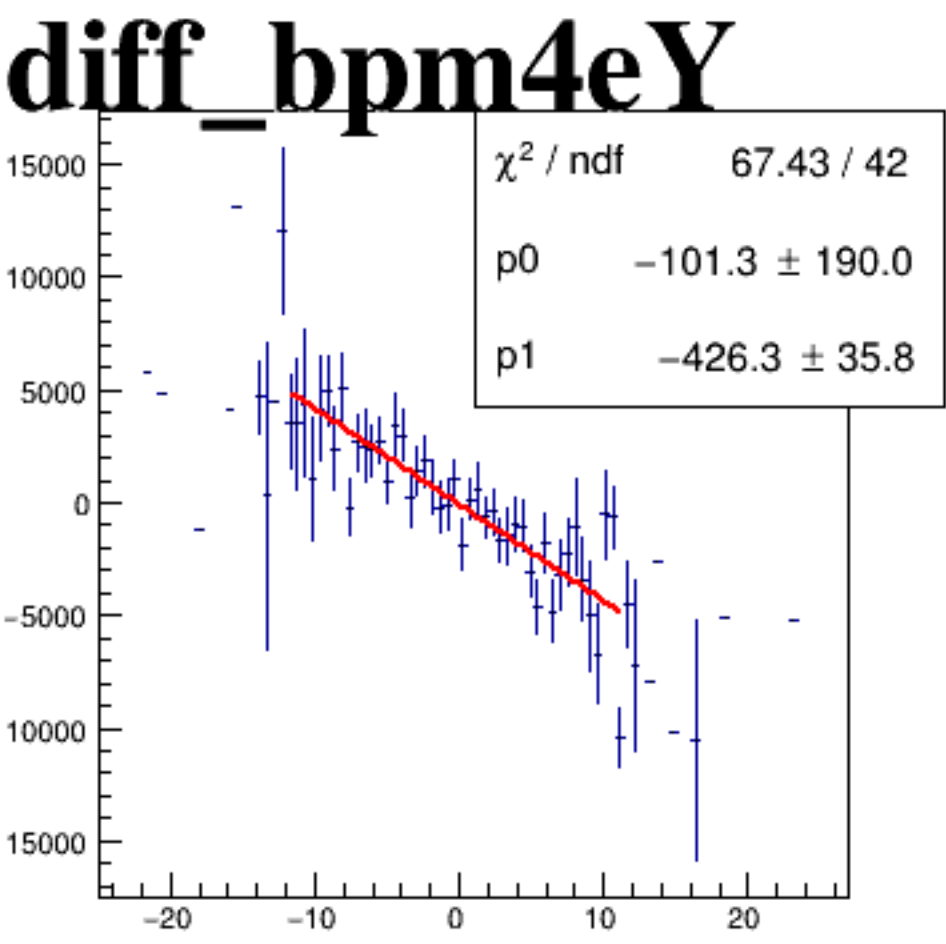
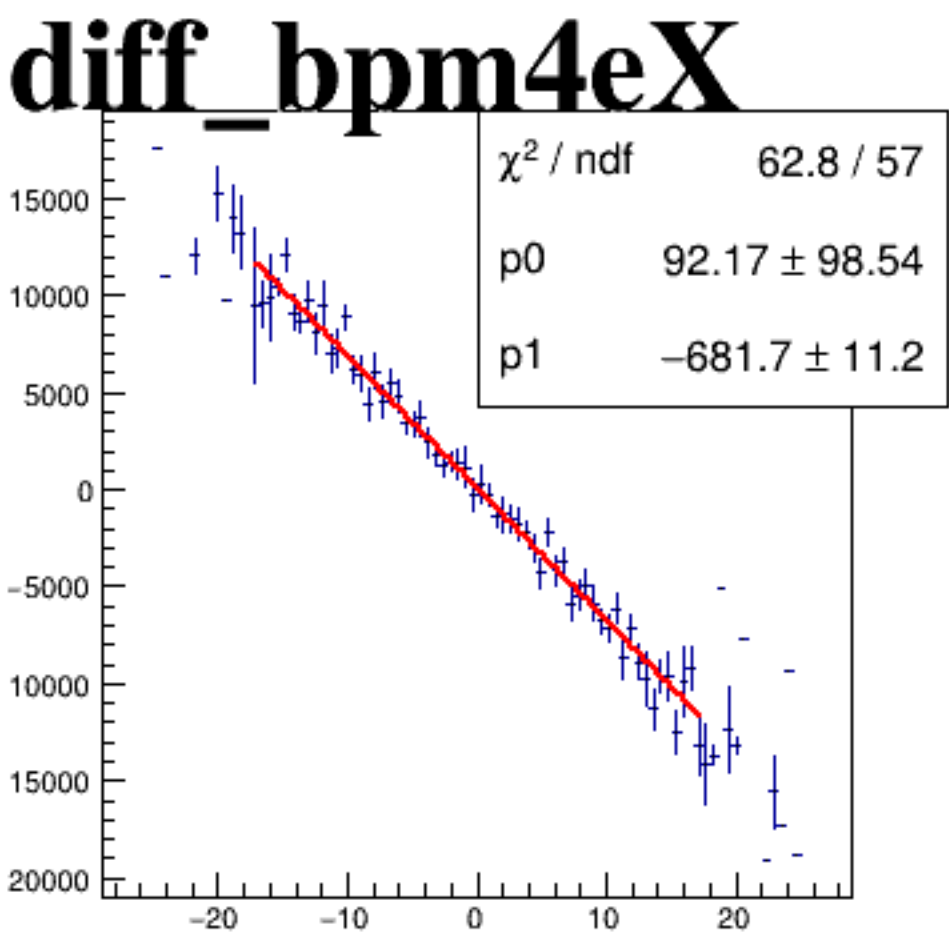
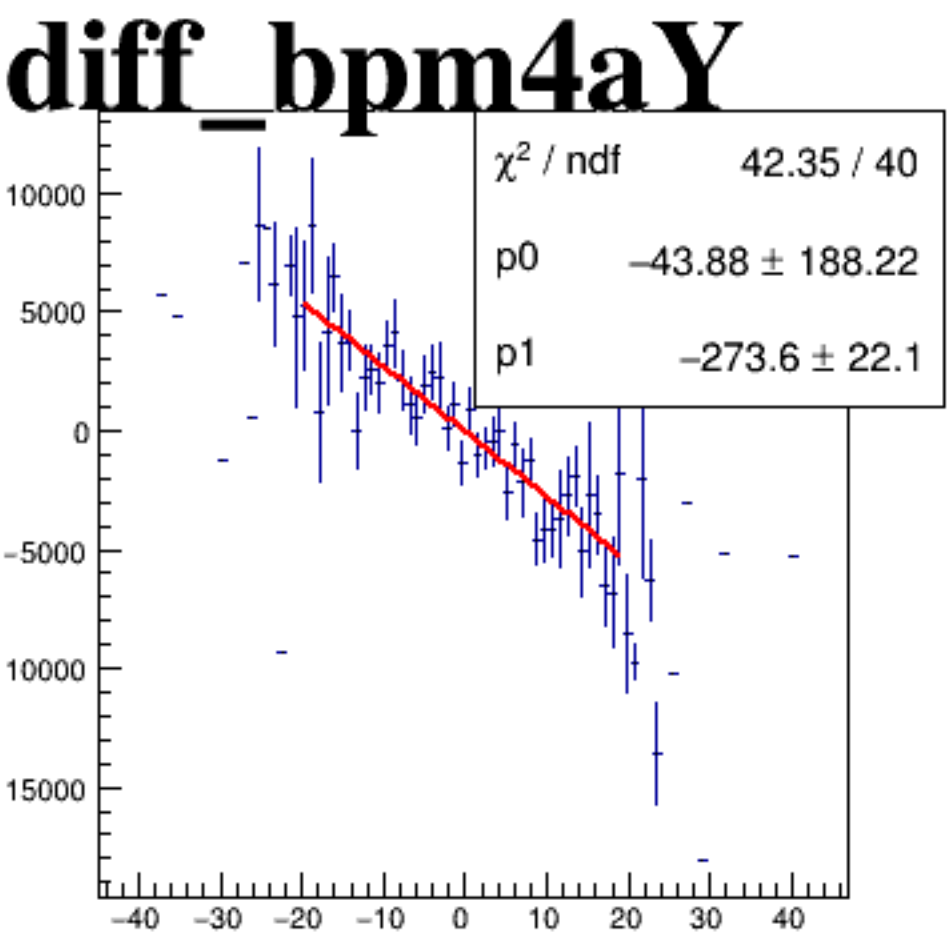
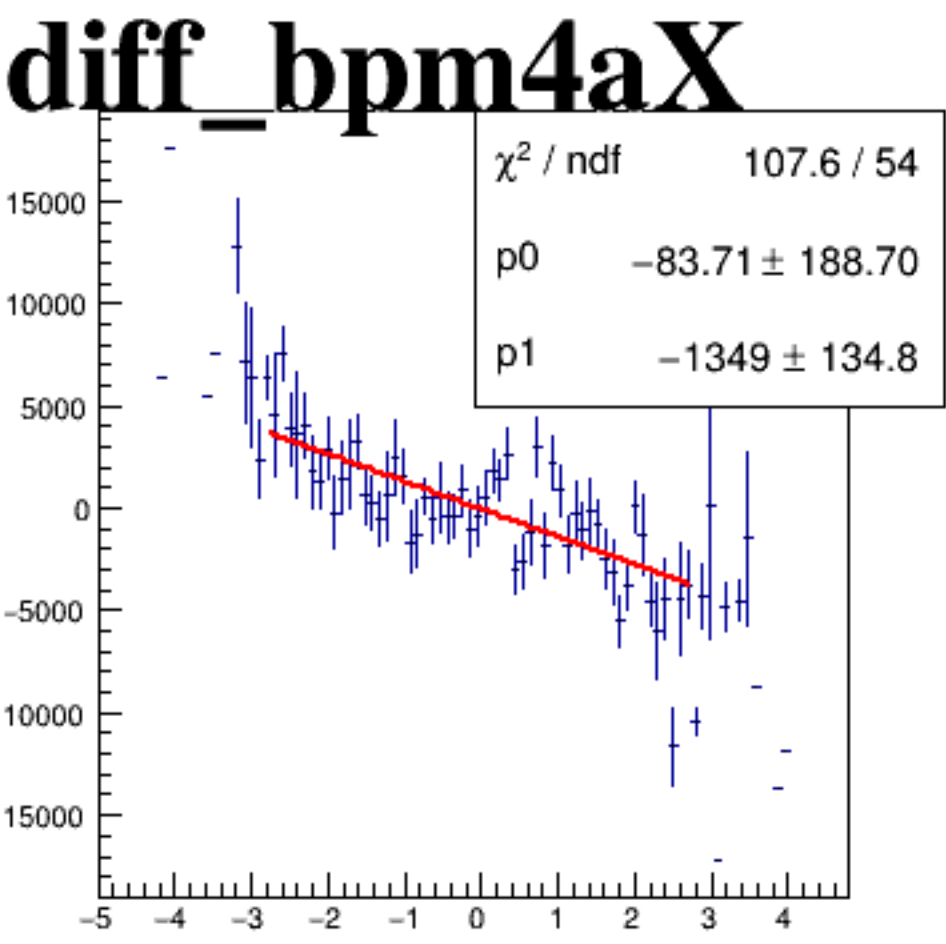
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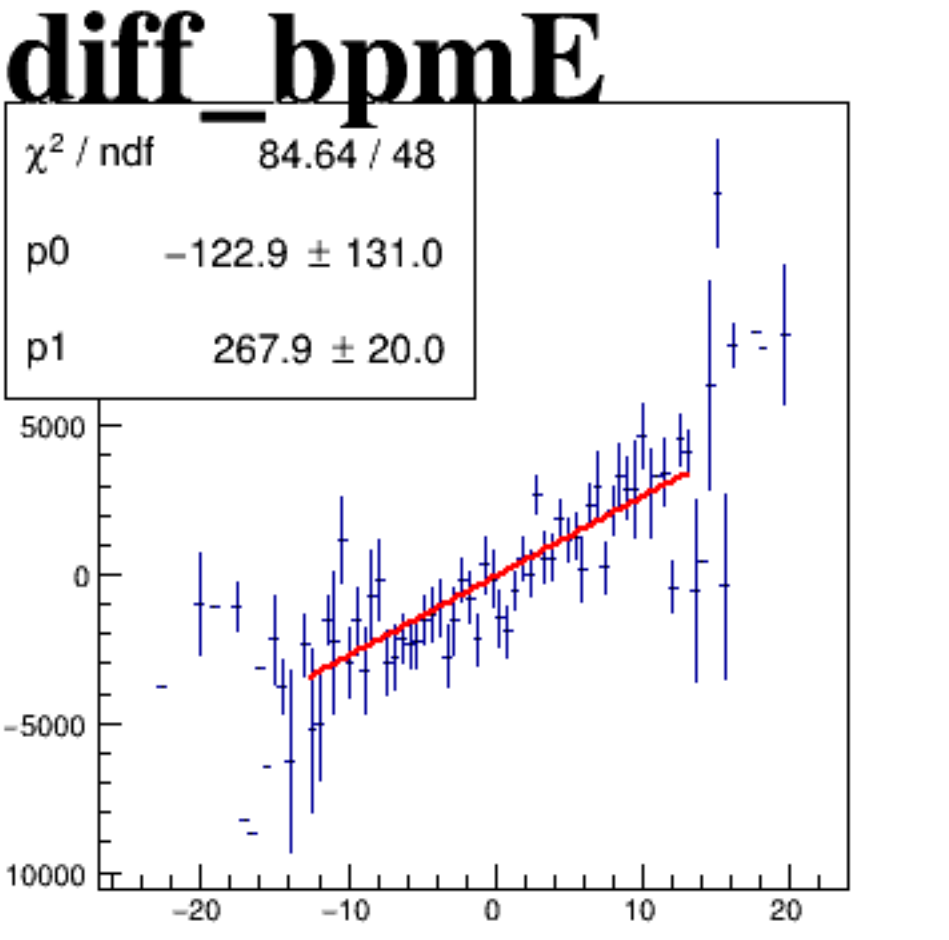
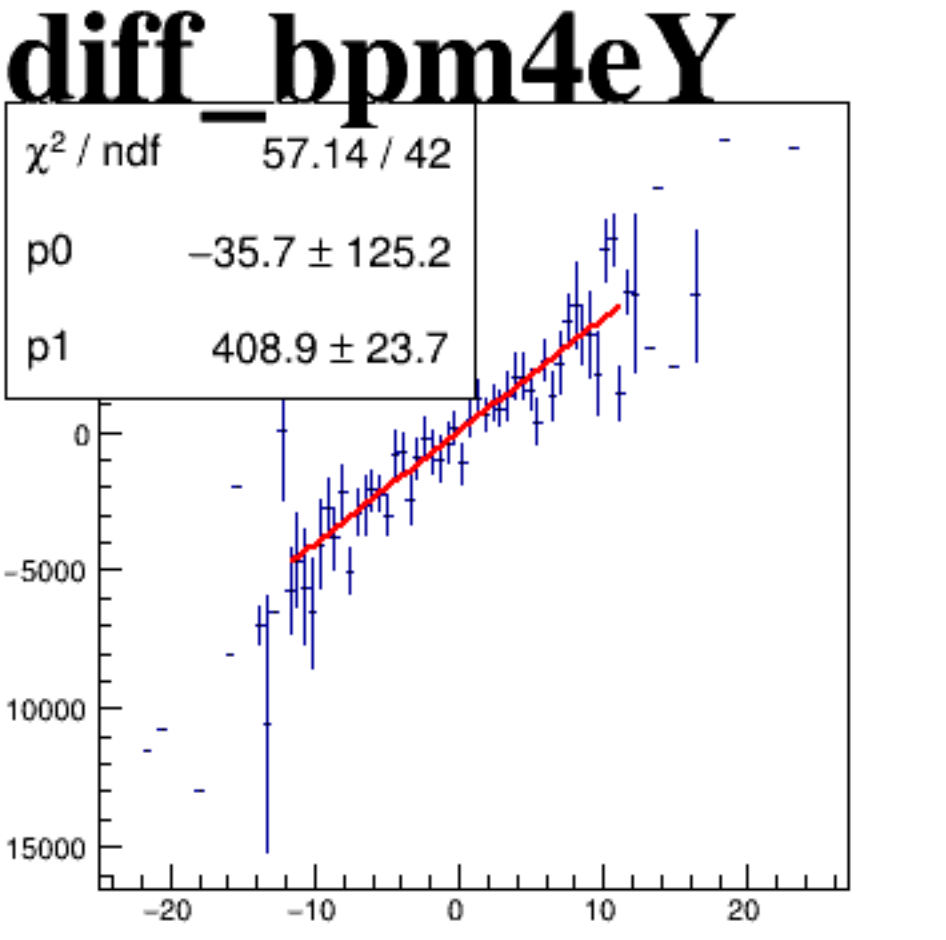
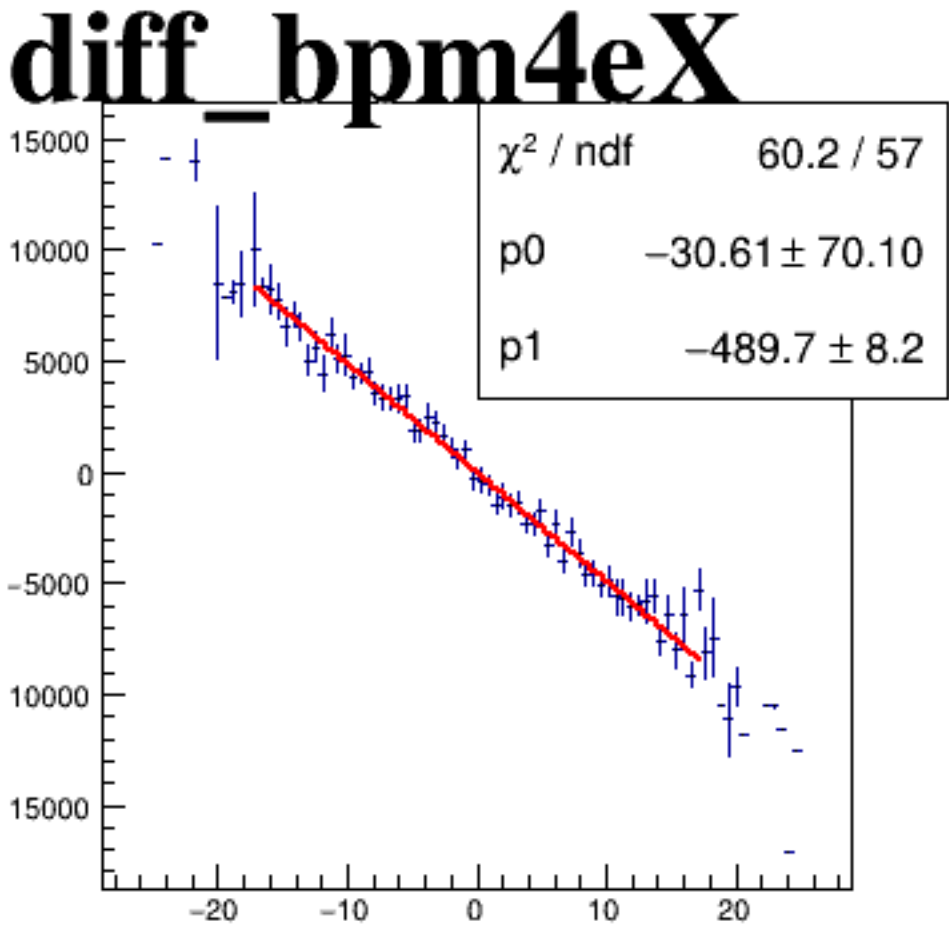
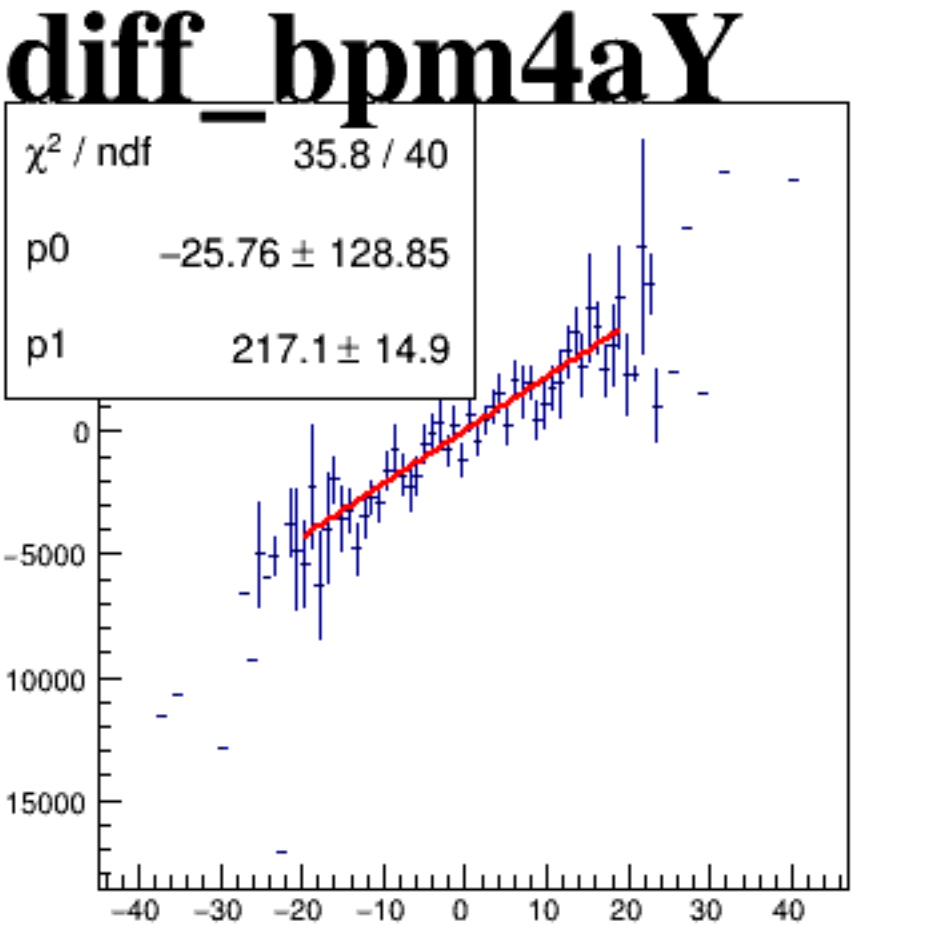
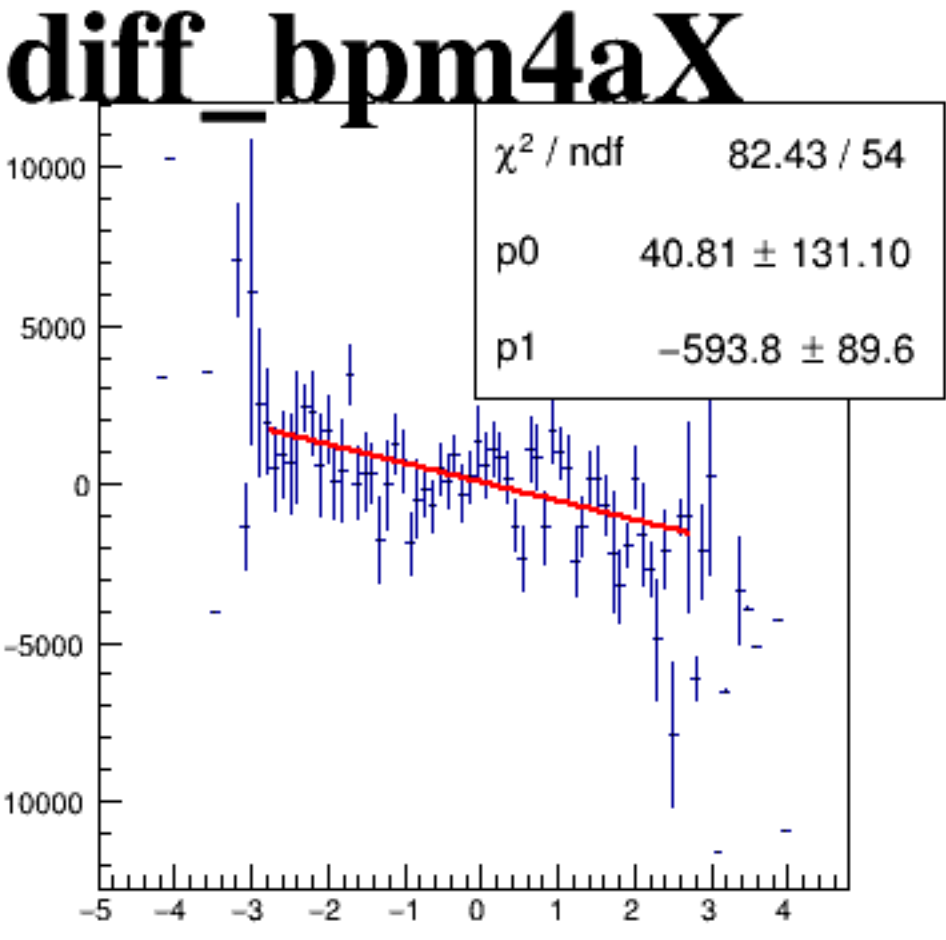
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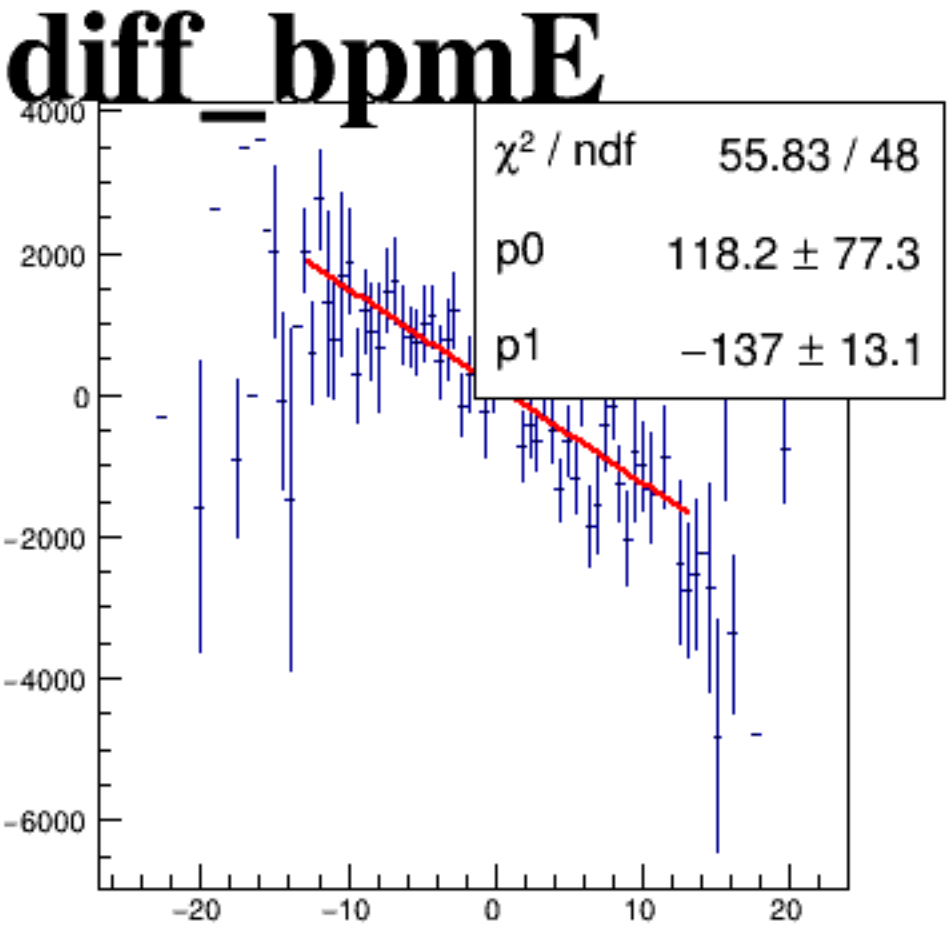
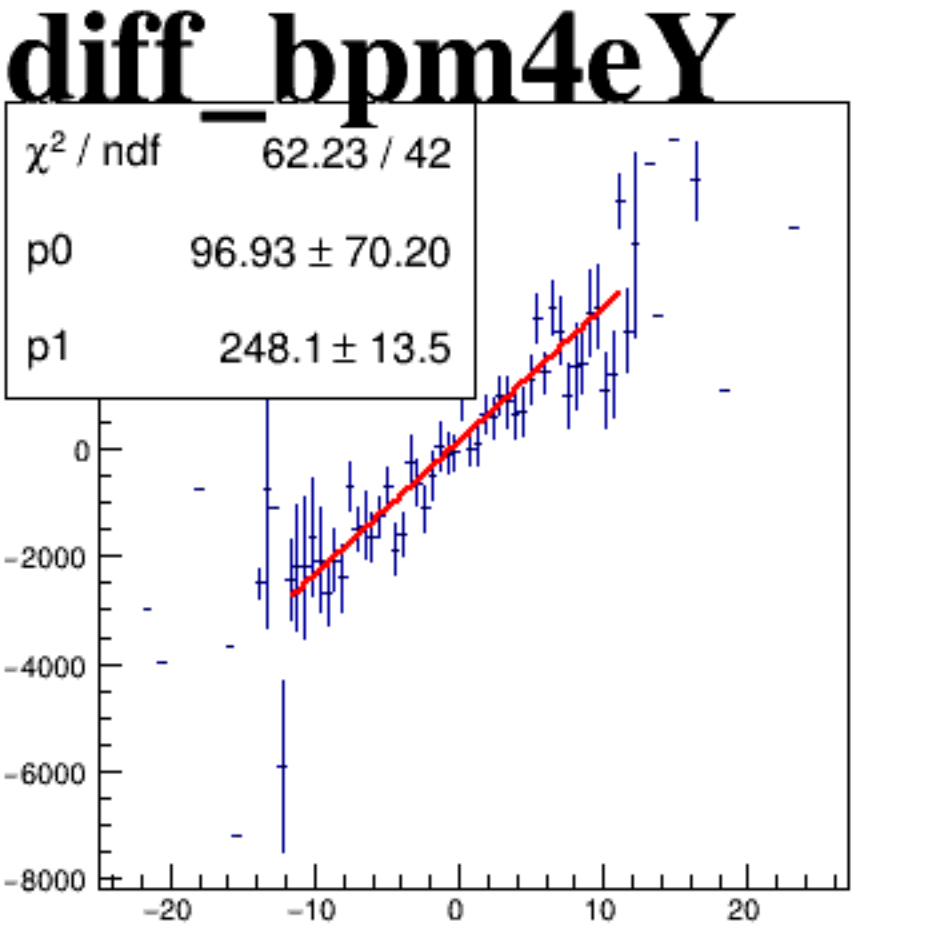
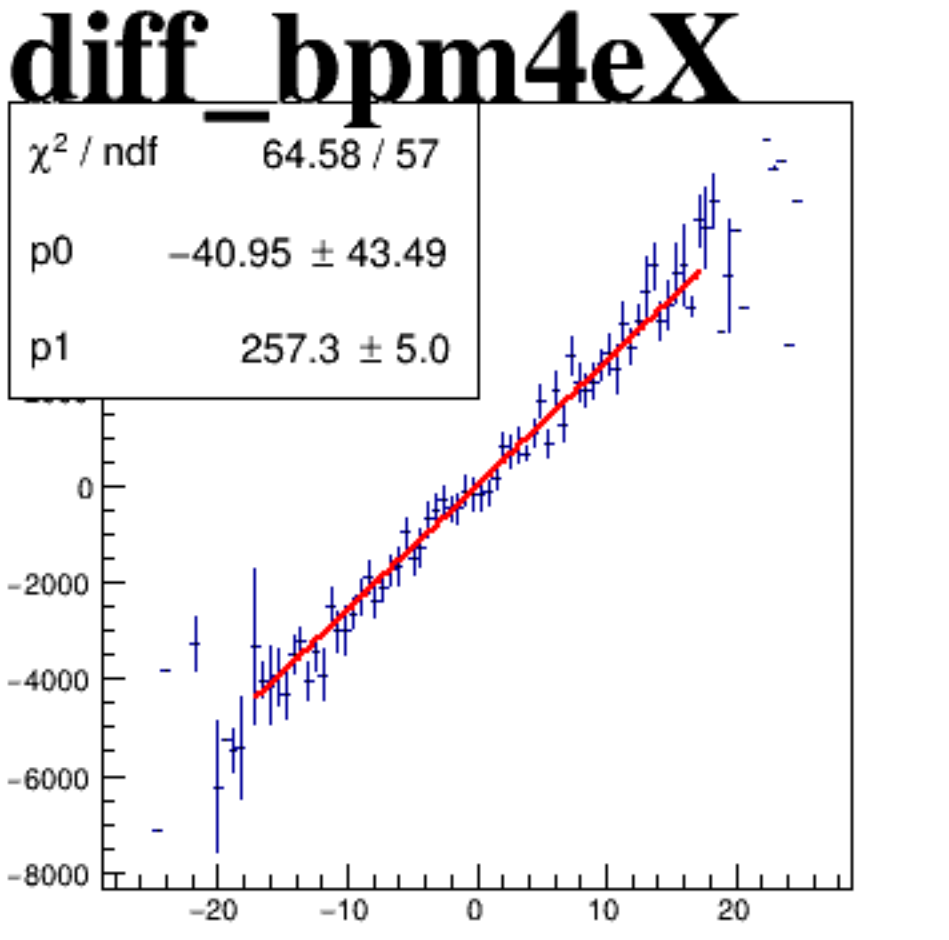
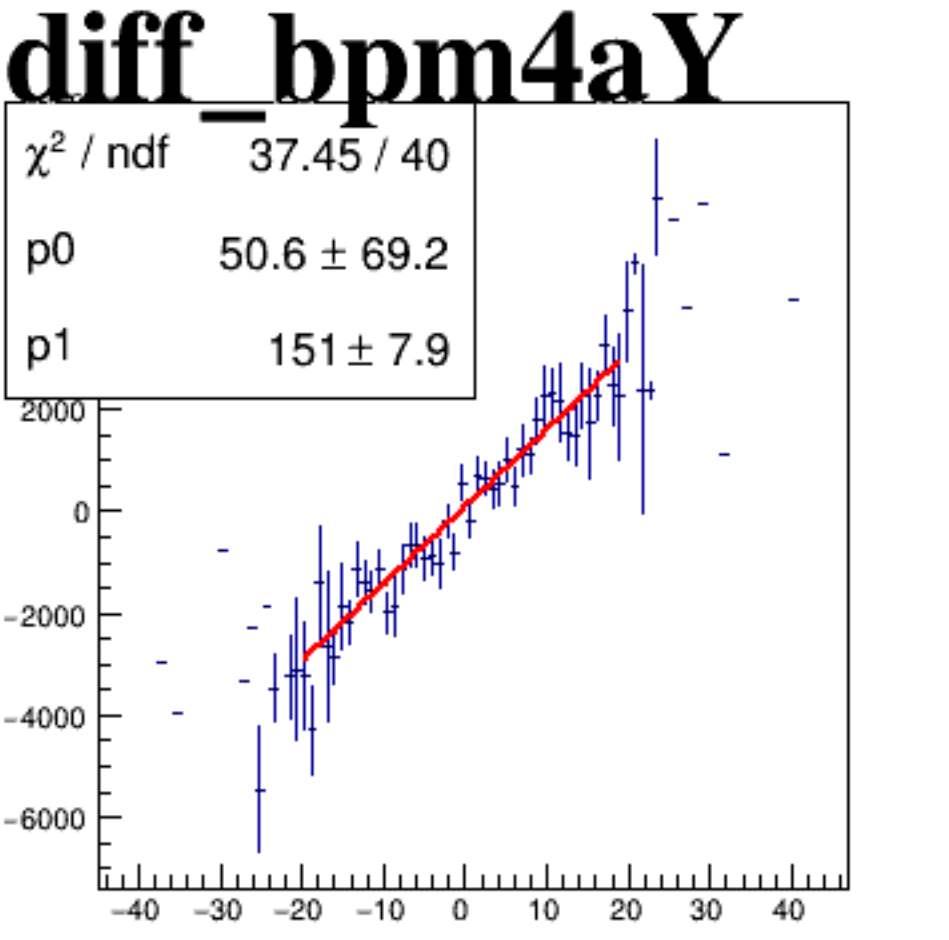
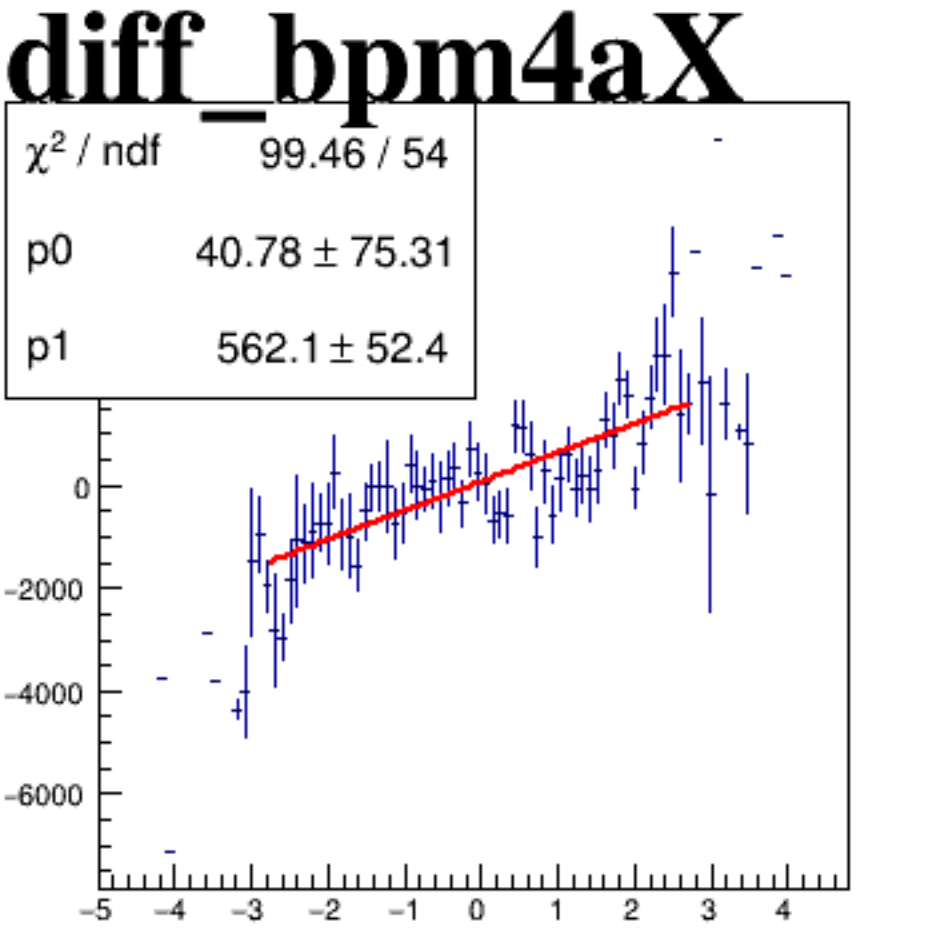
asym_sam2



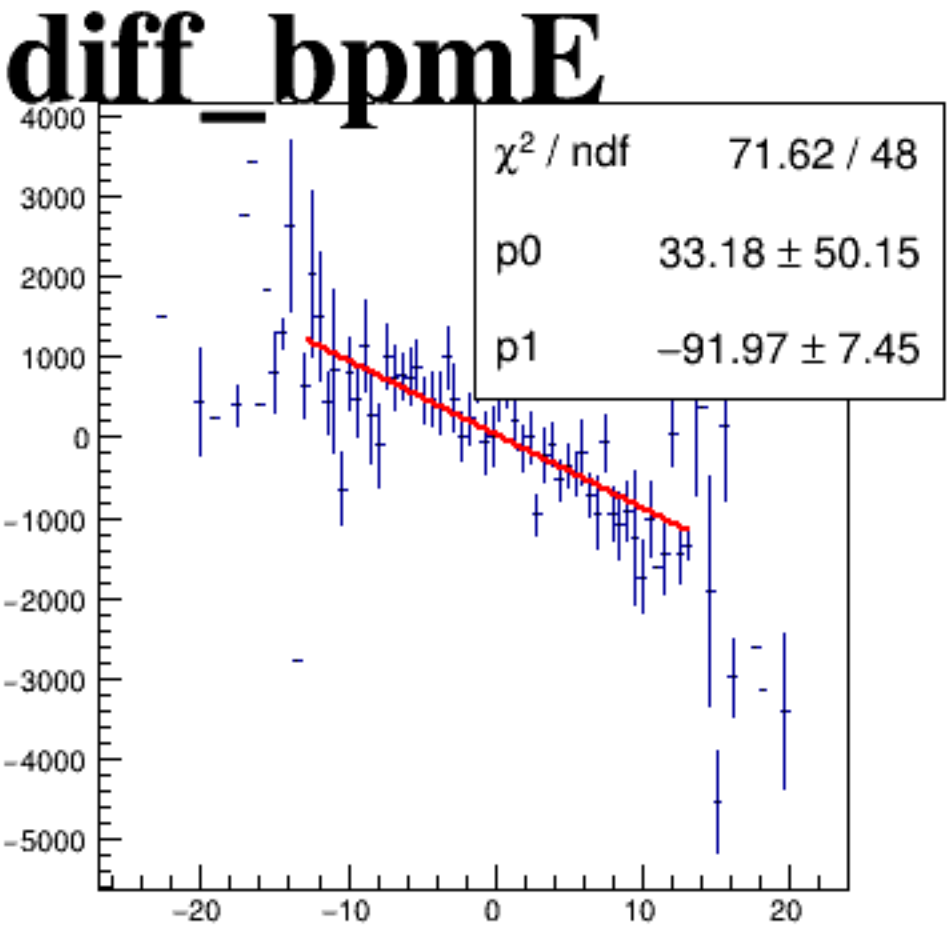
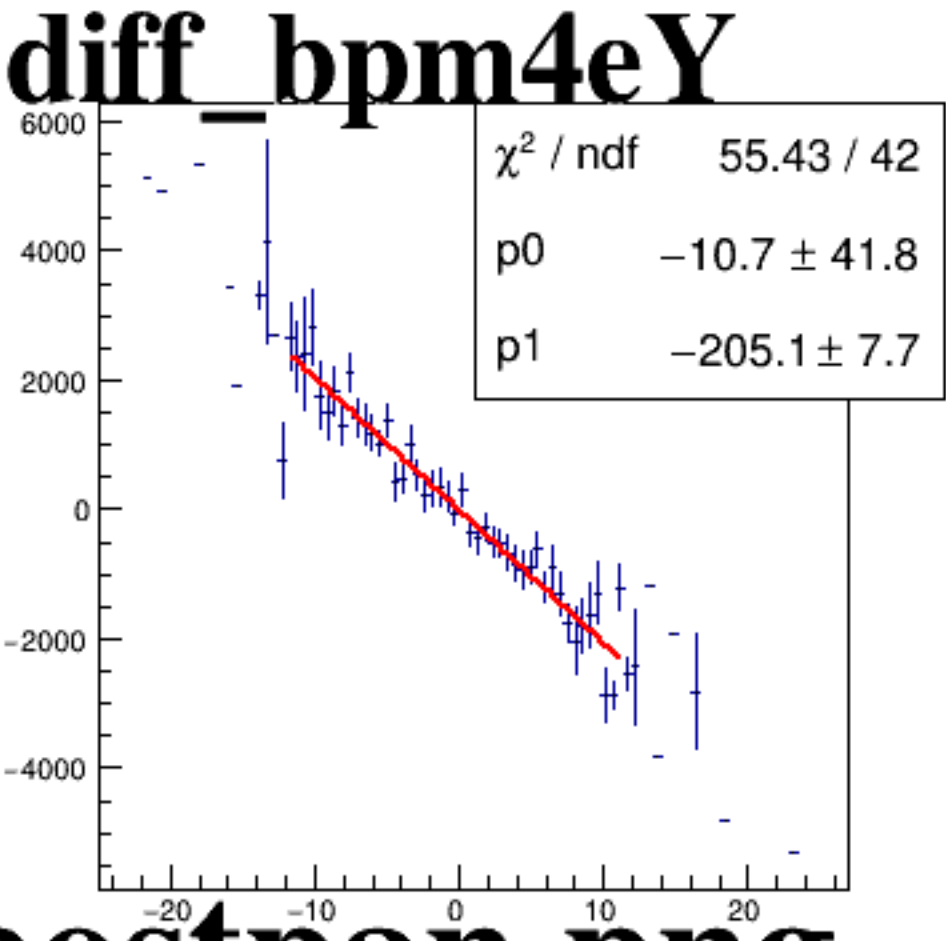
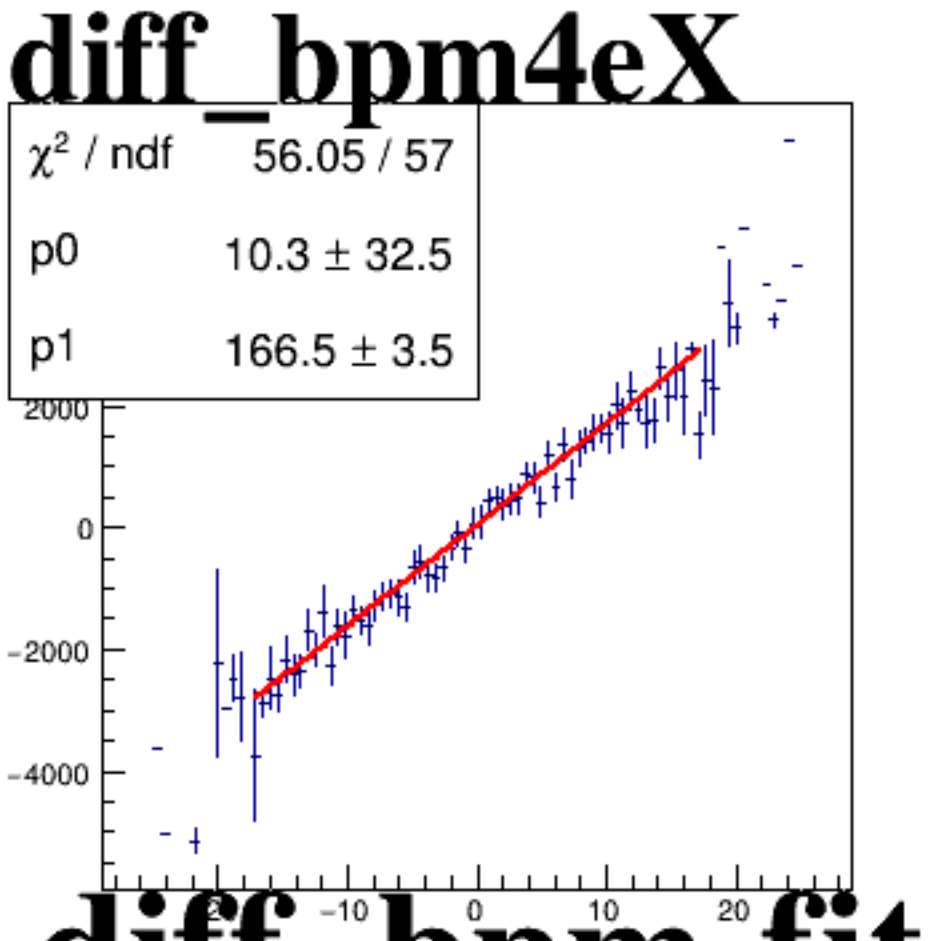
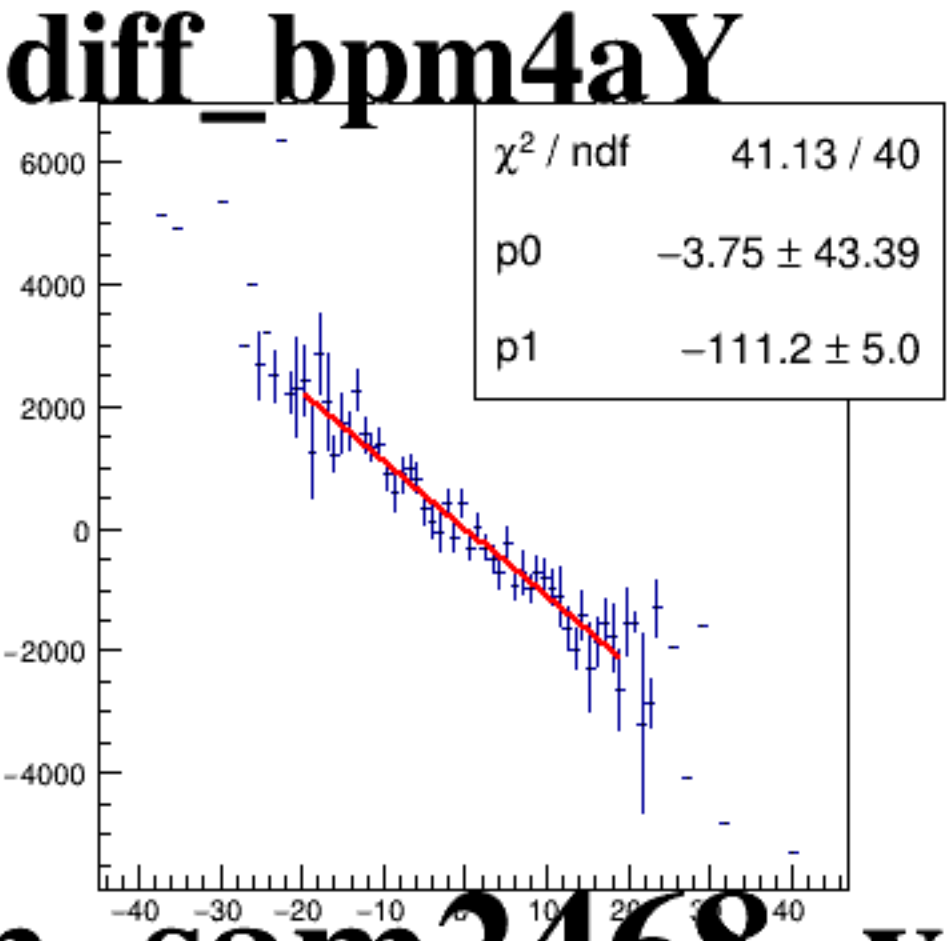
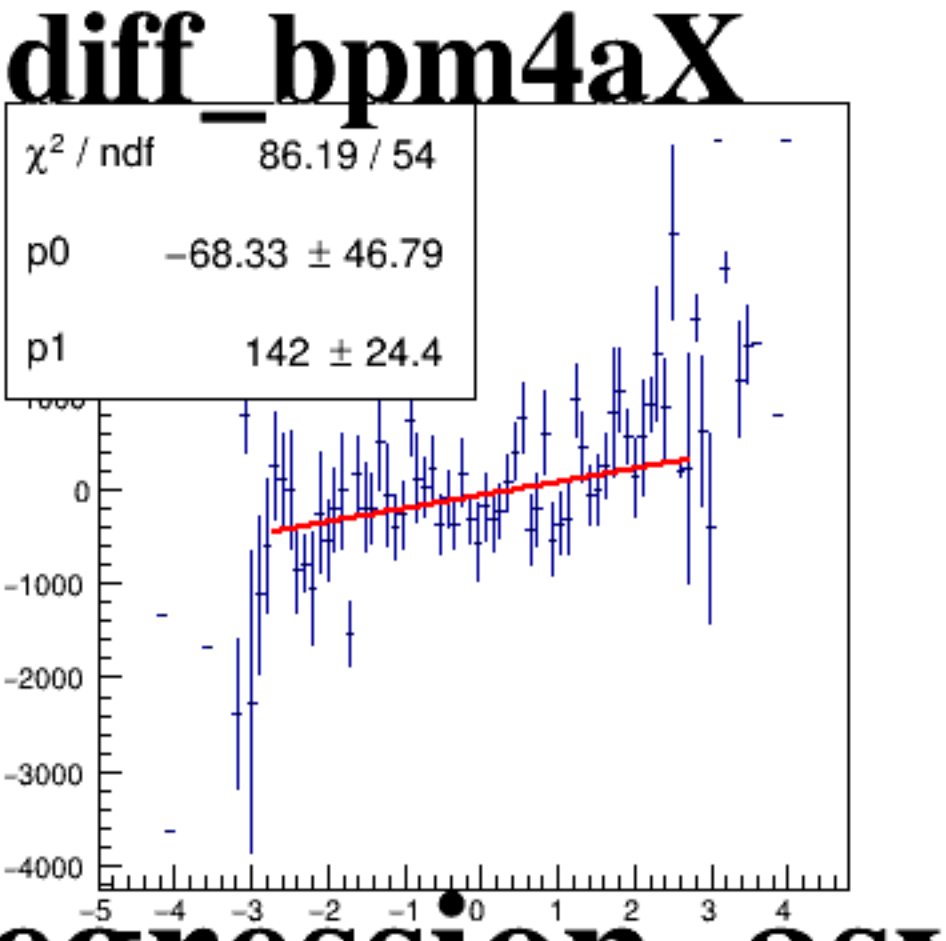
asym_sam4



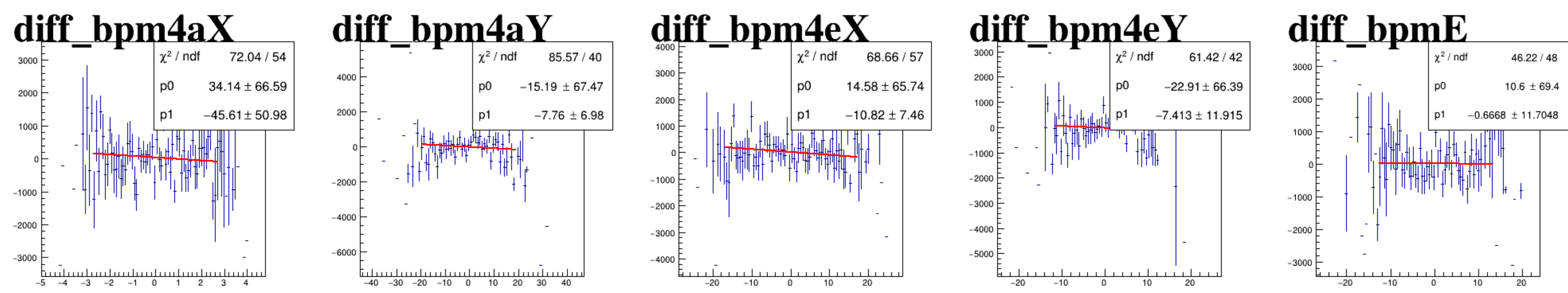
asym_sam6



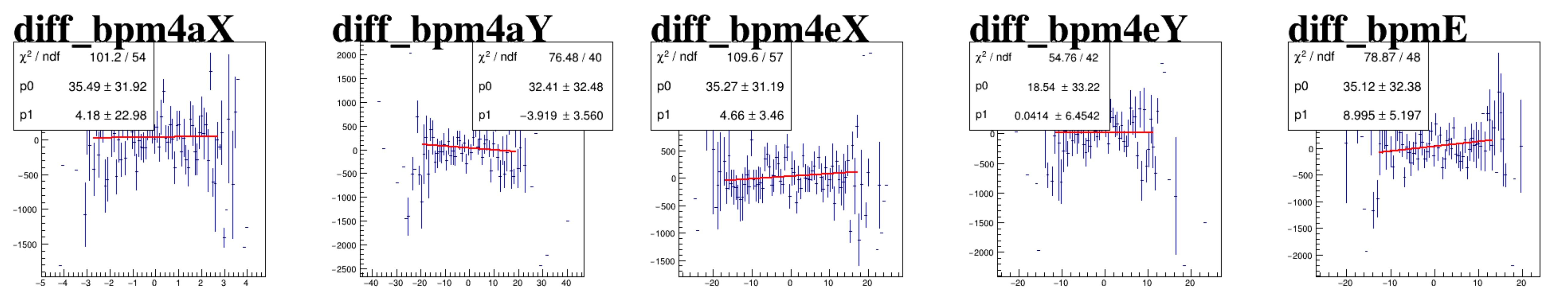
asym_sam8



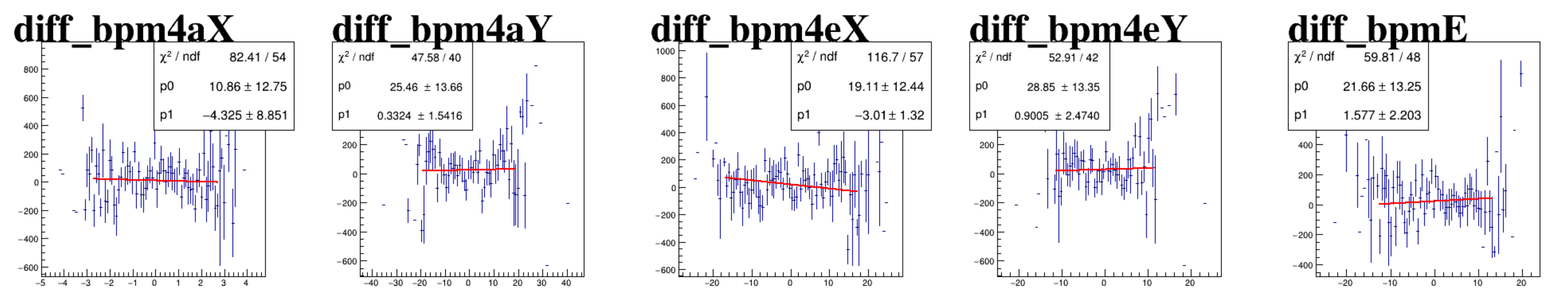
reg_asym_sam2



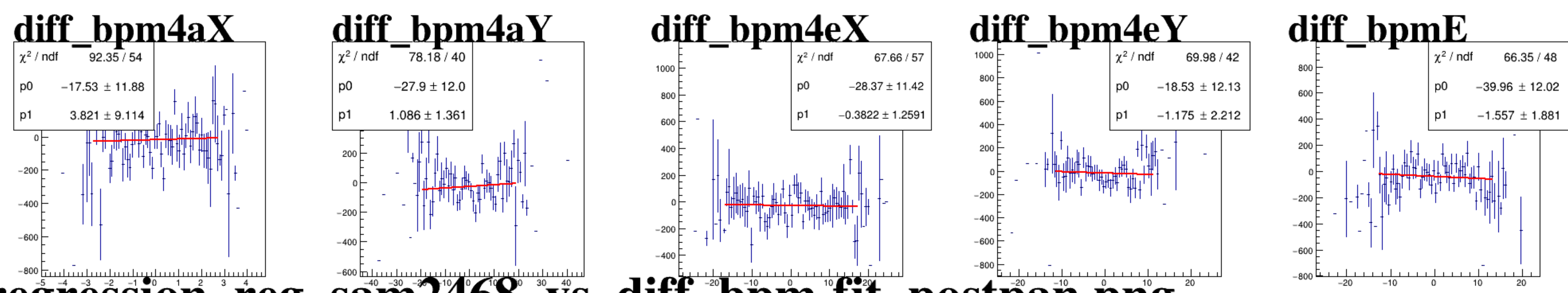
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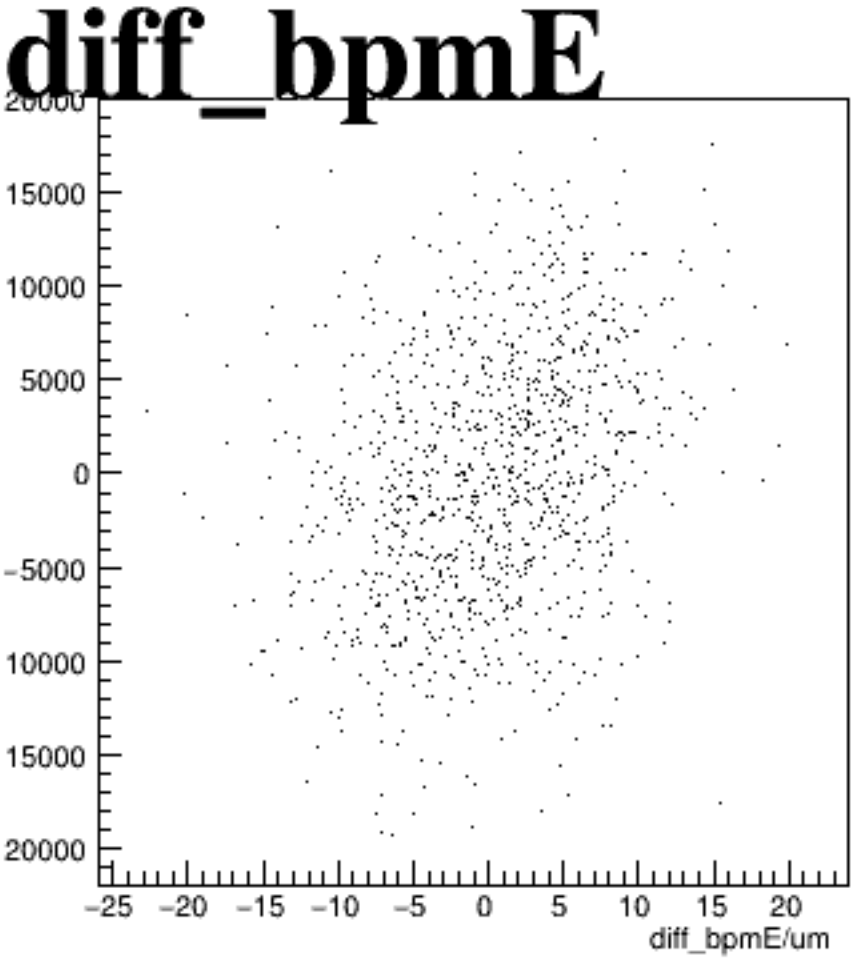
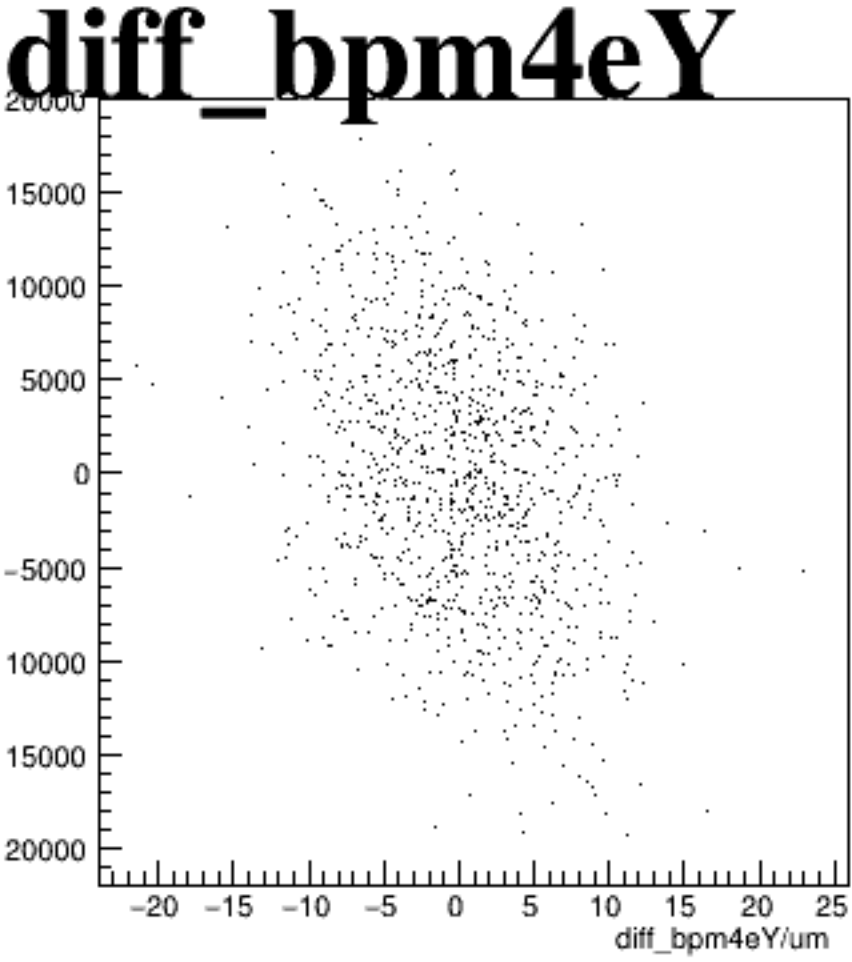
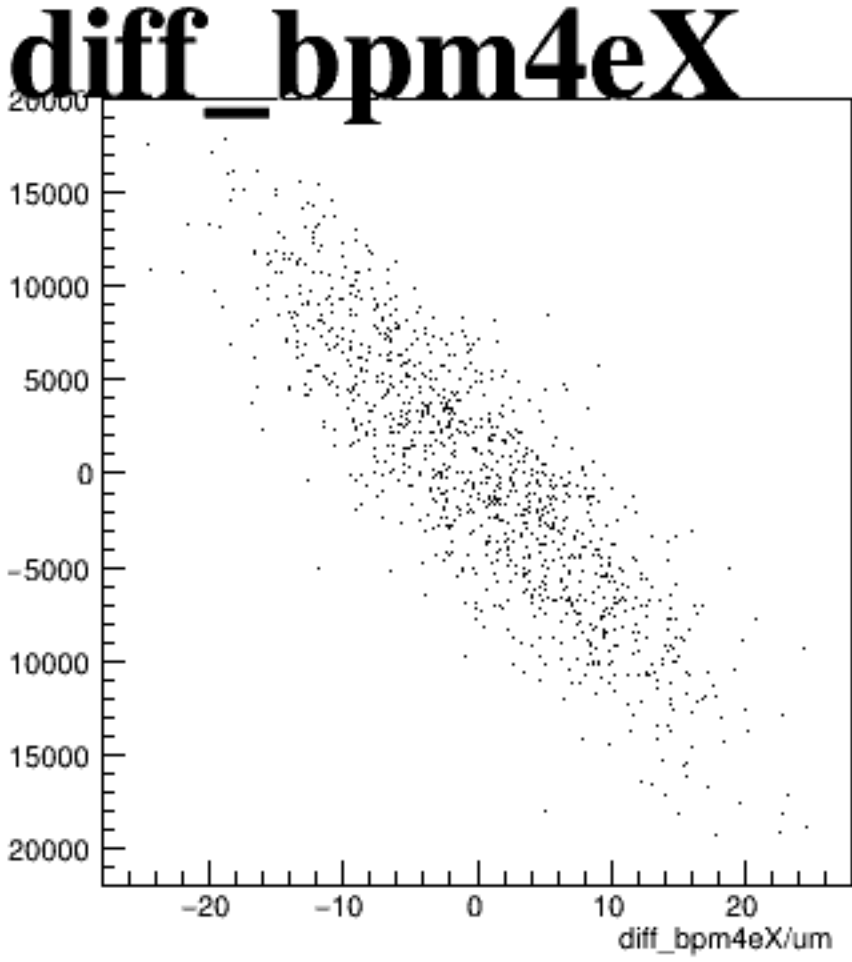
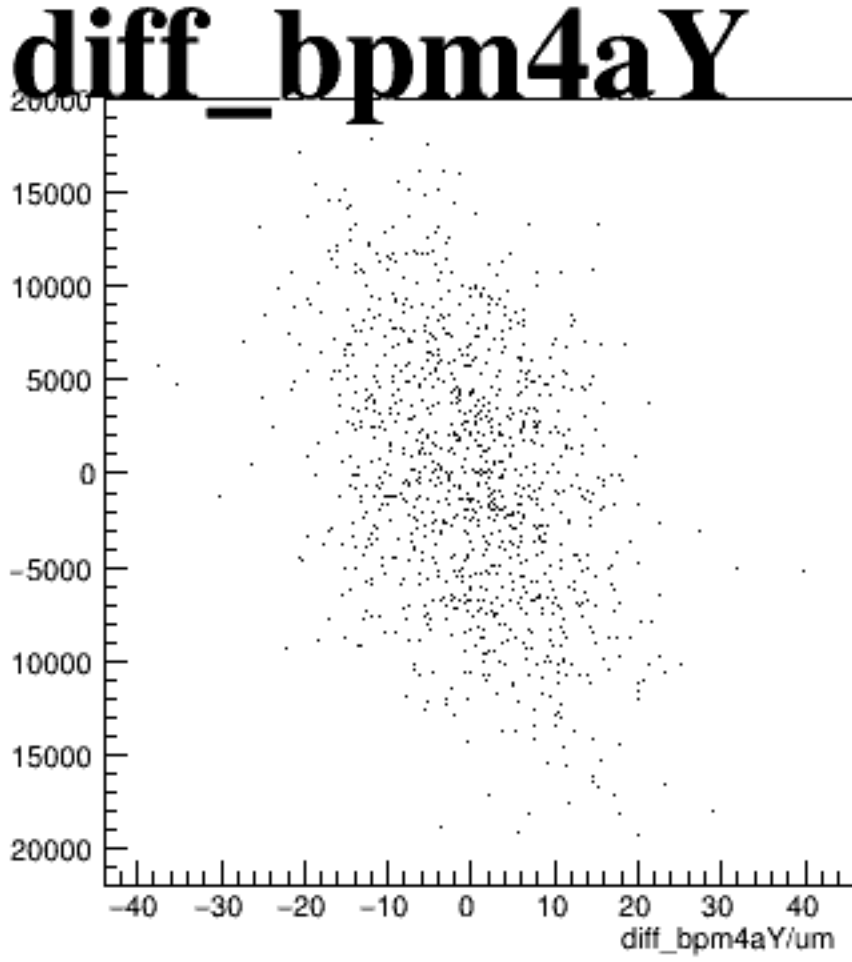
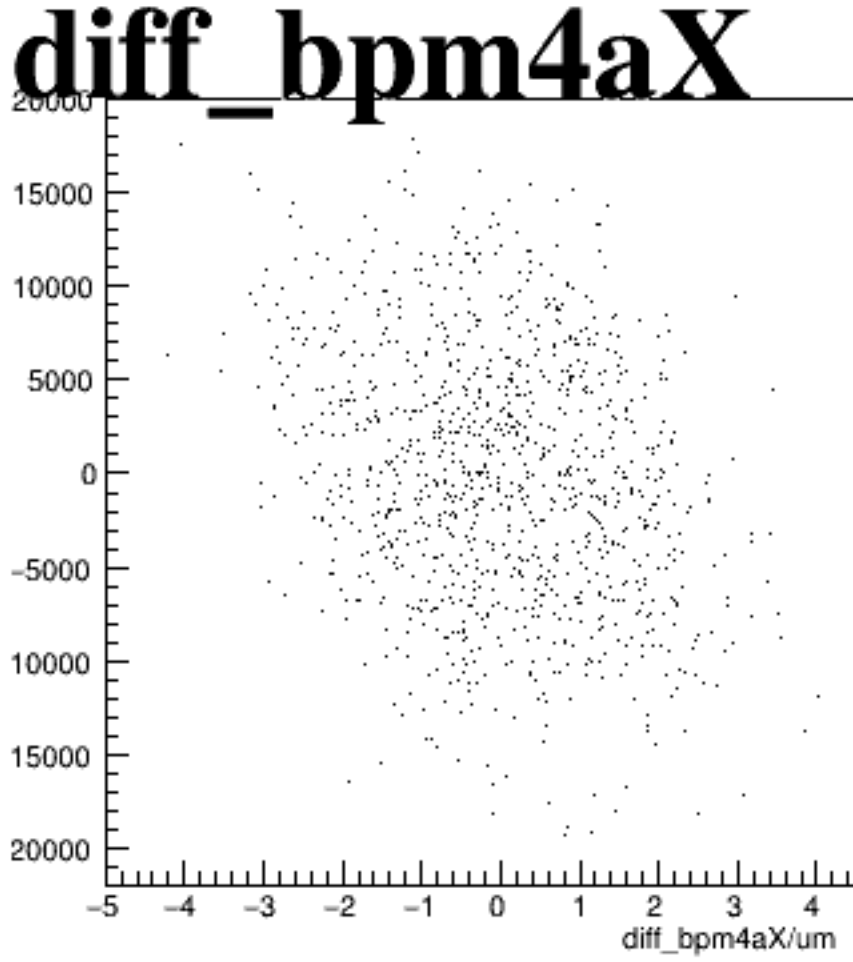
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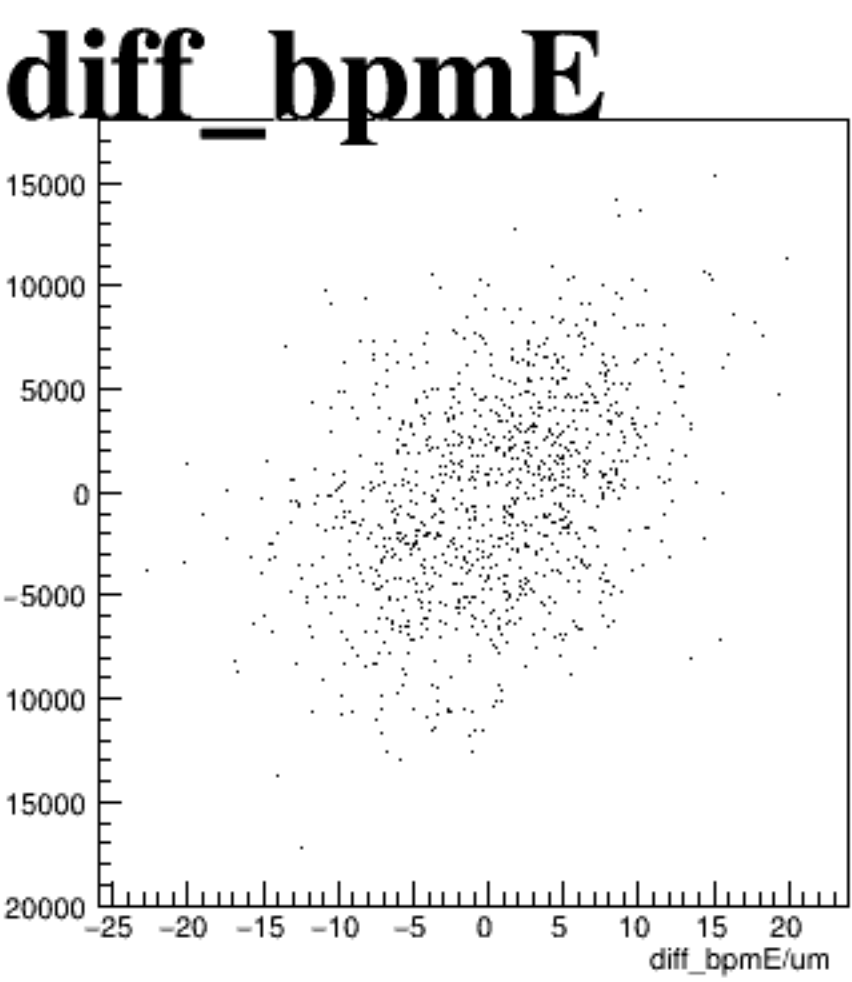
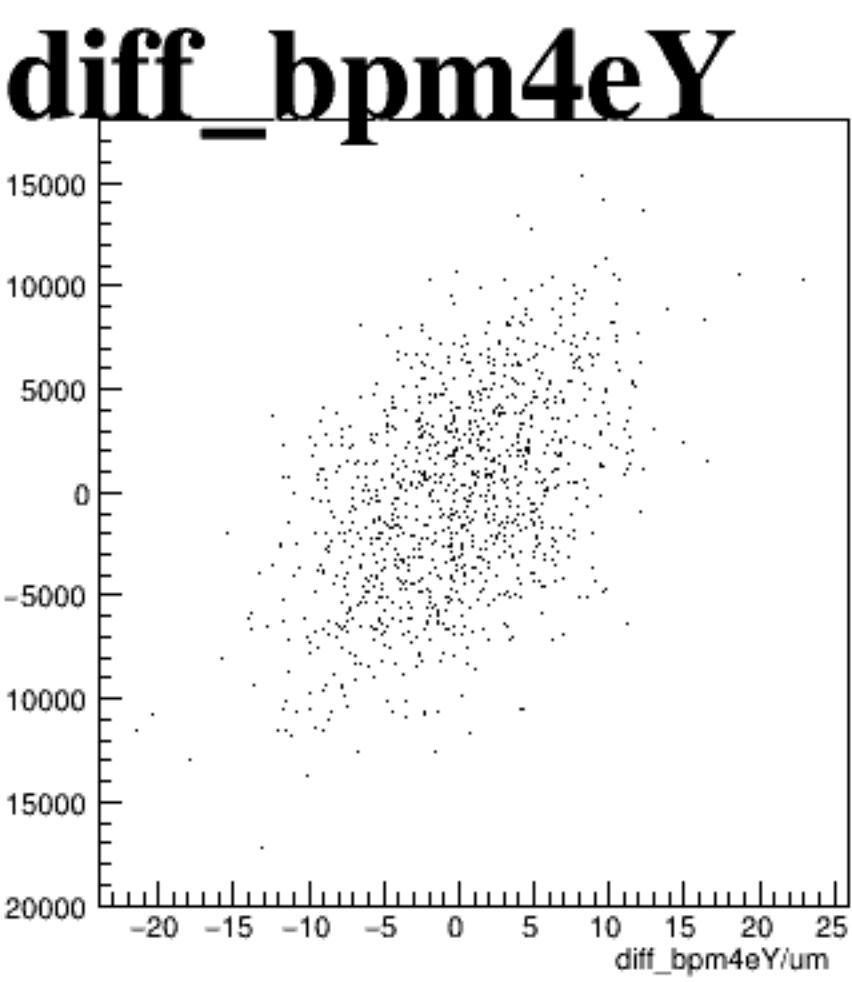
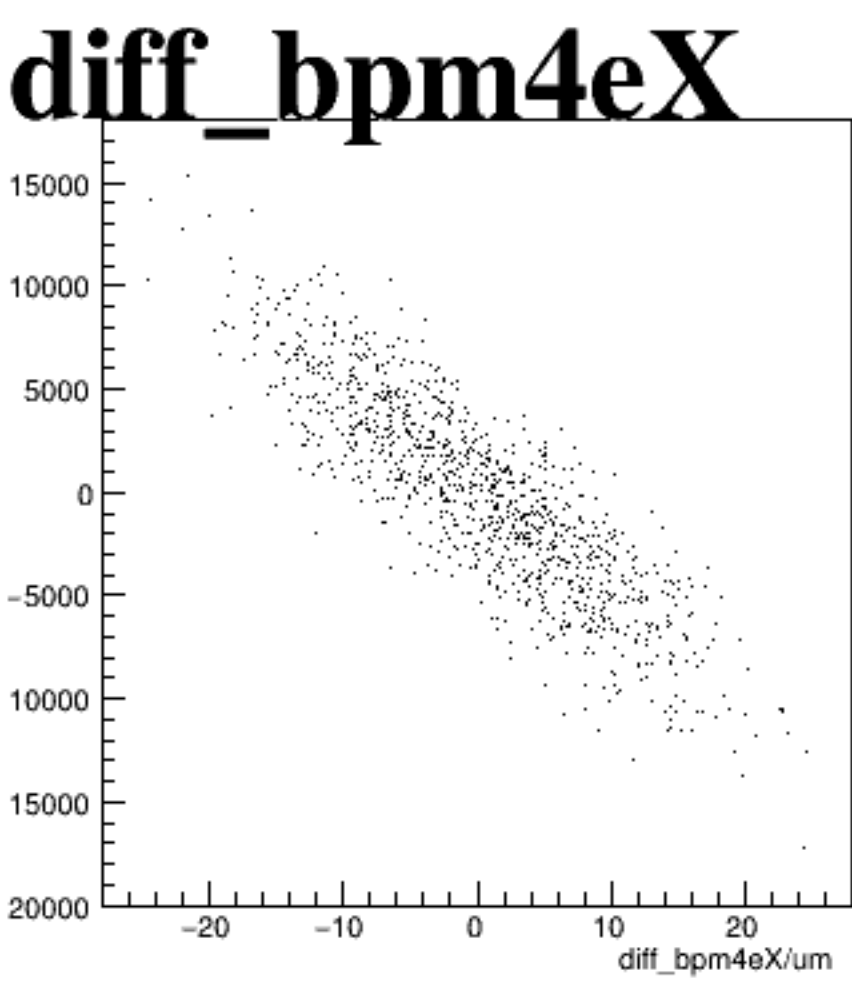
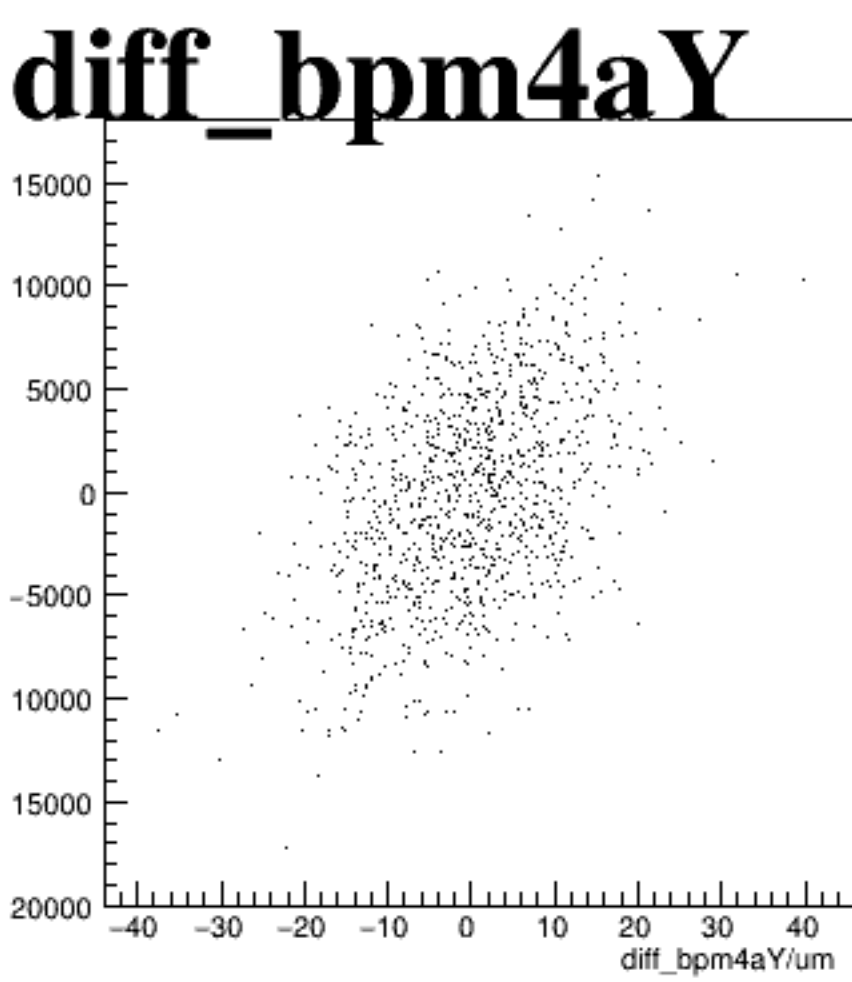
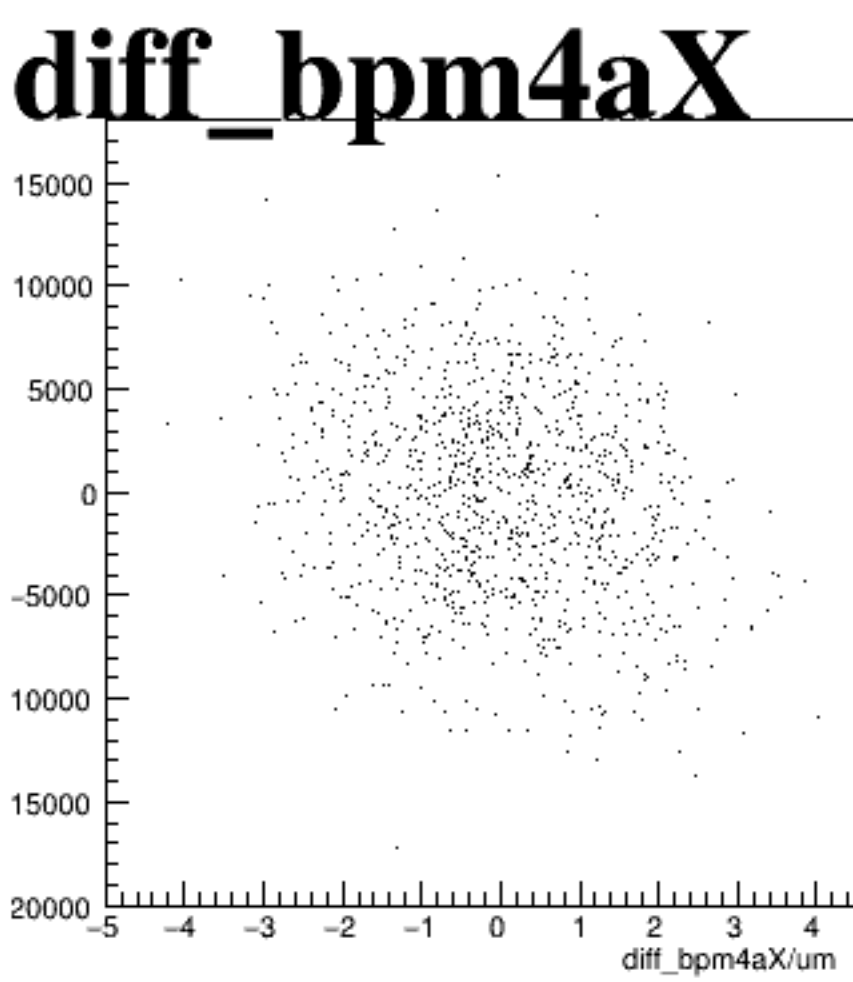
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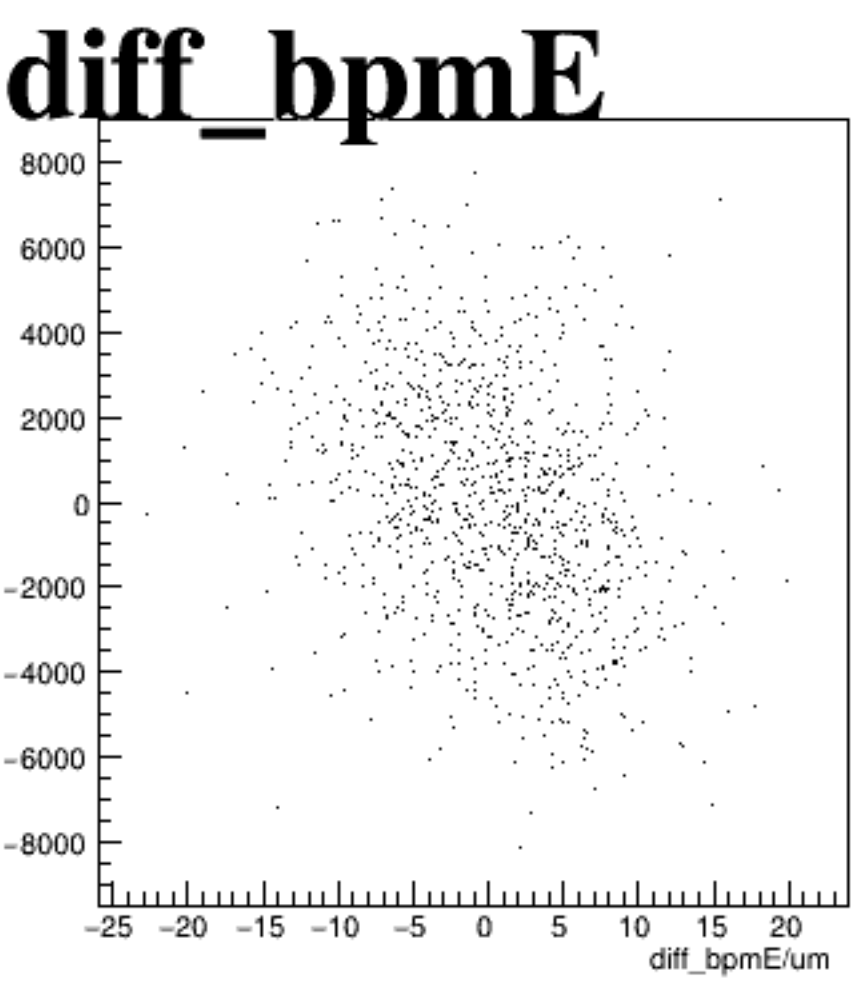
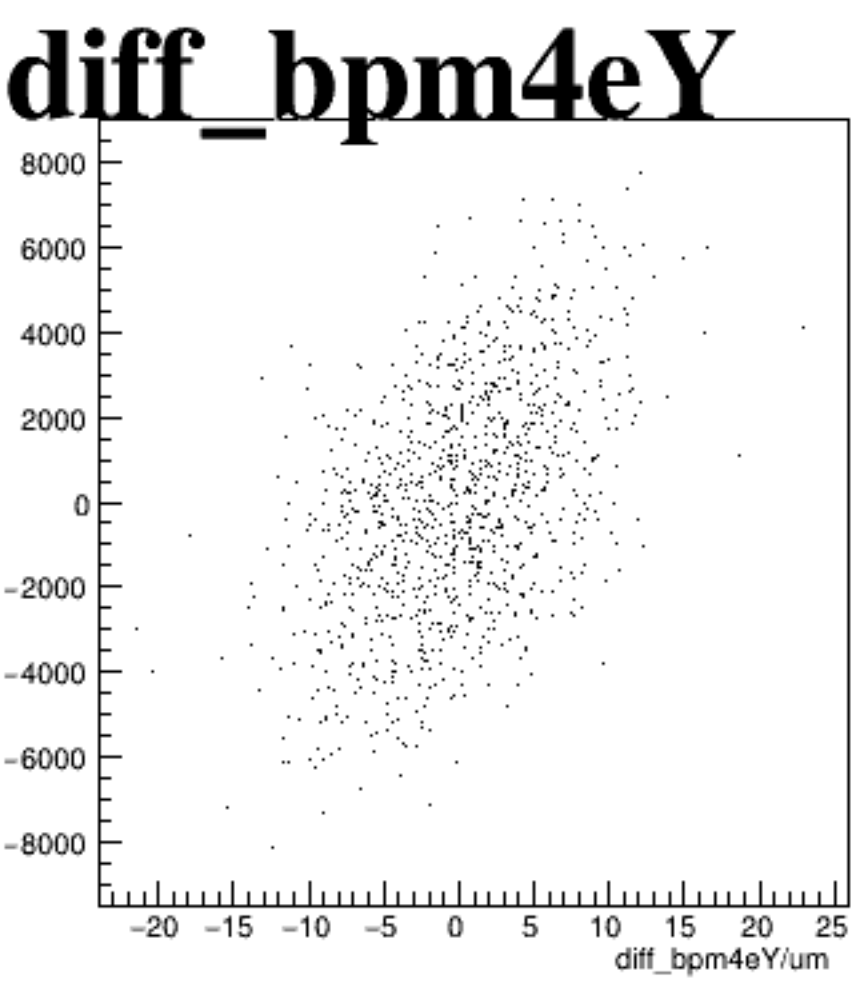
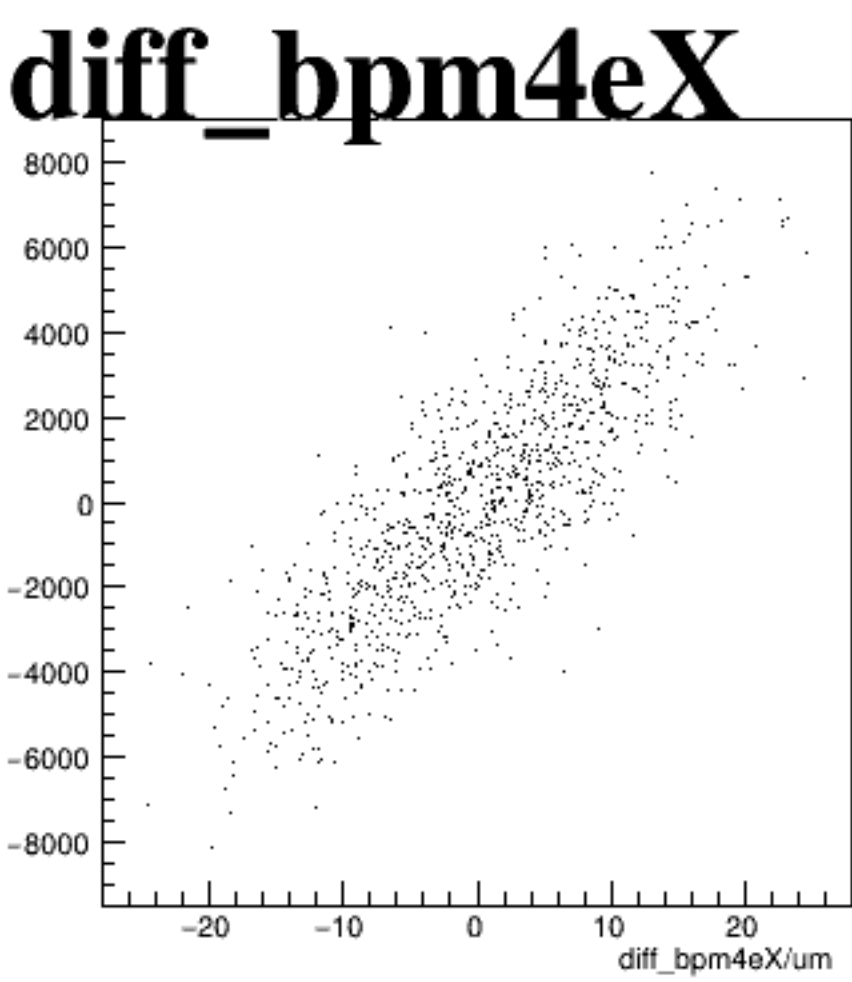
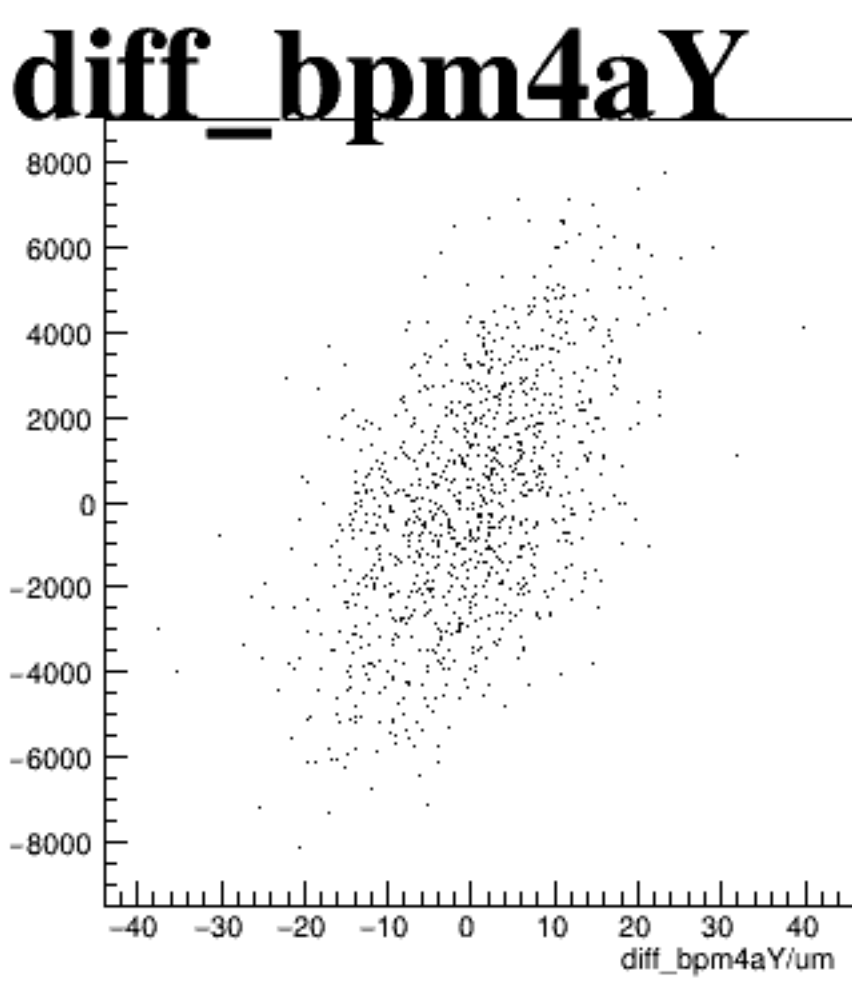
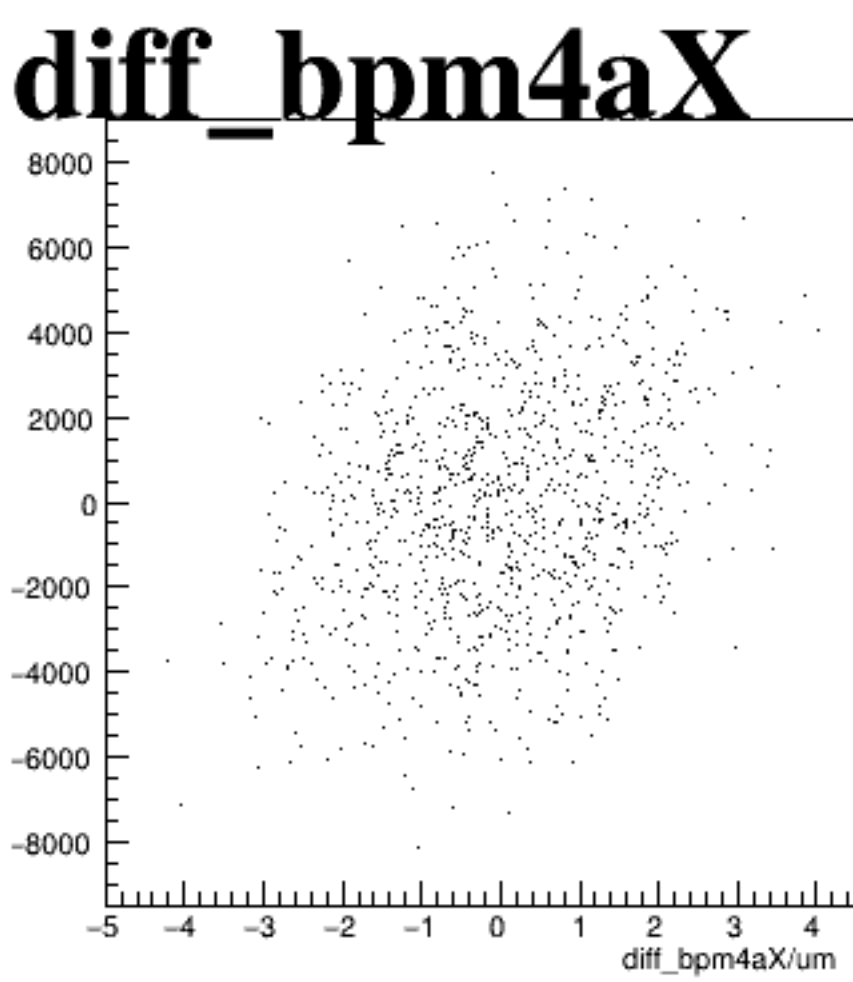
asym_sam2



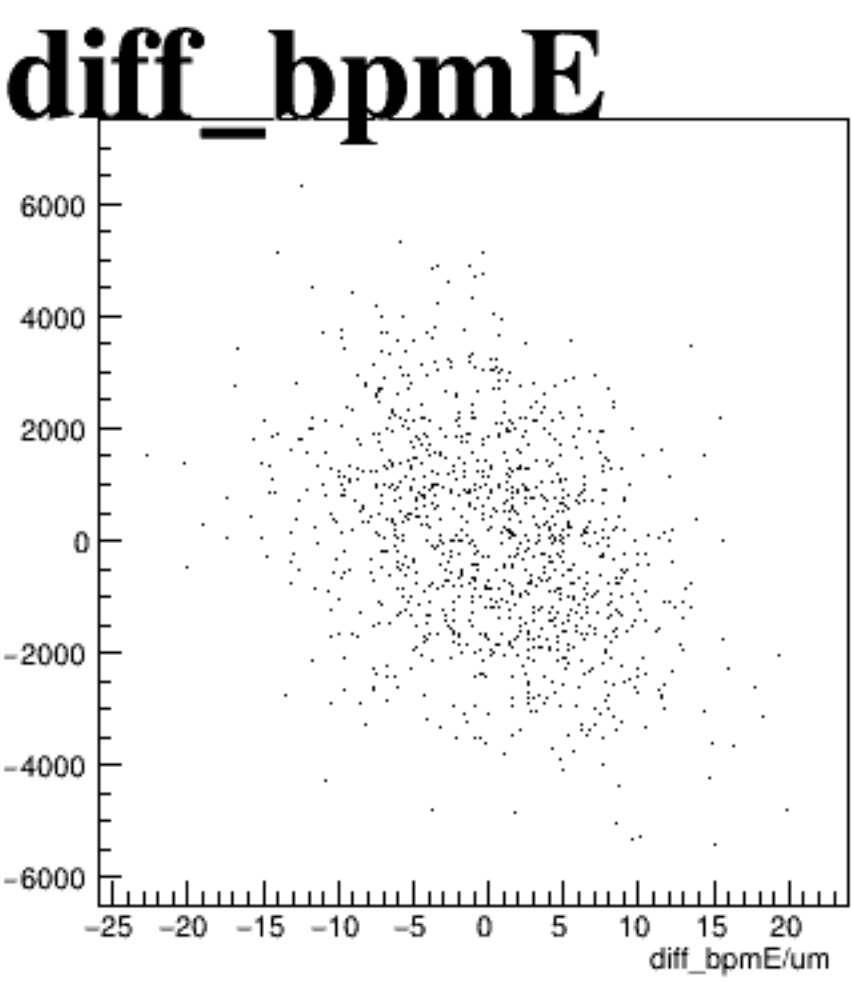
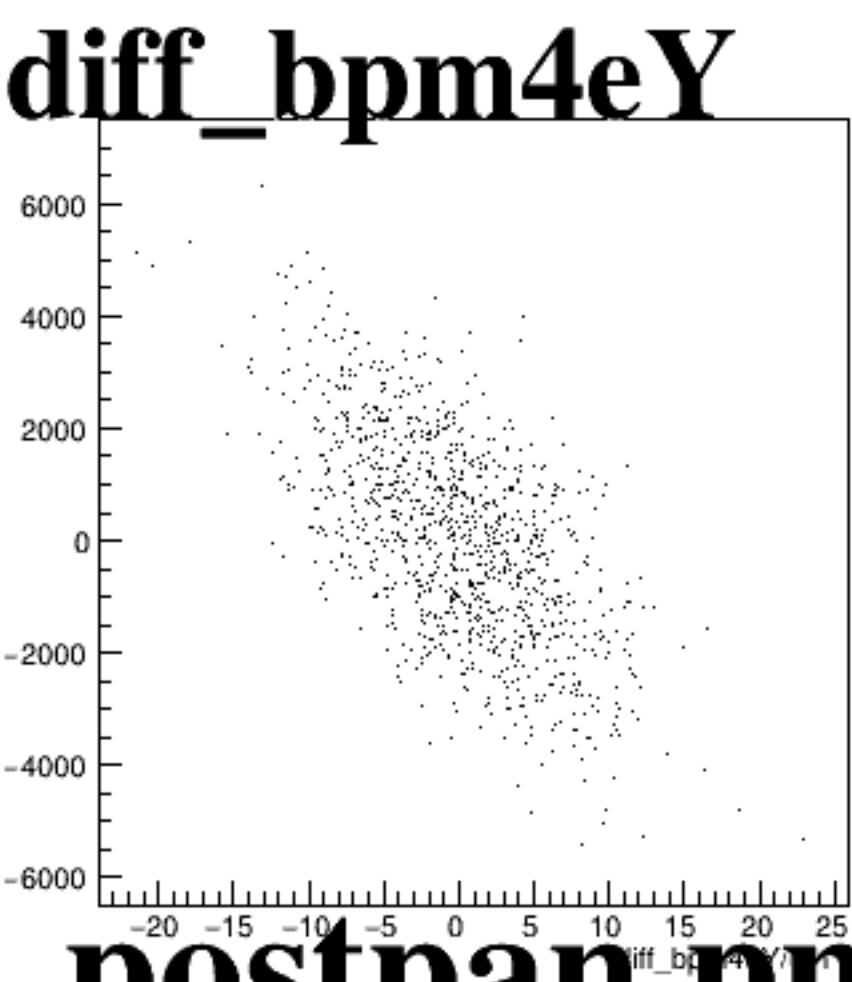
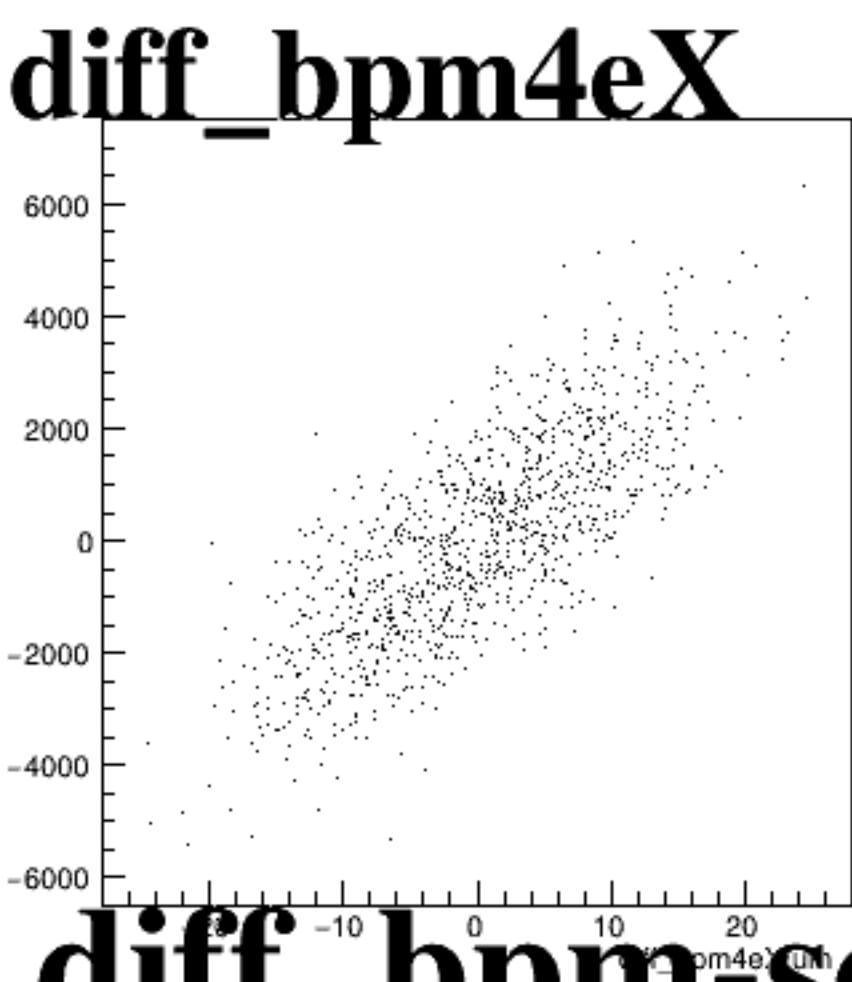
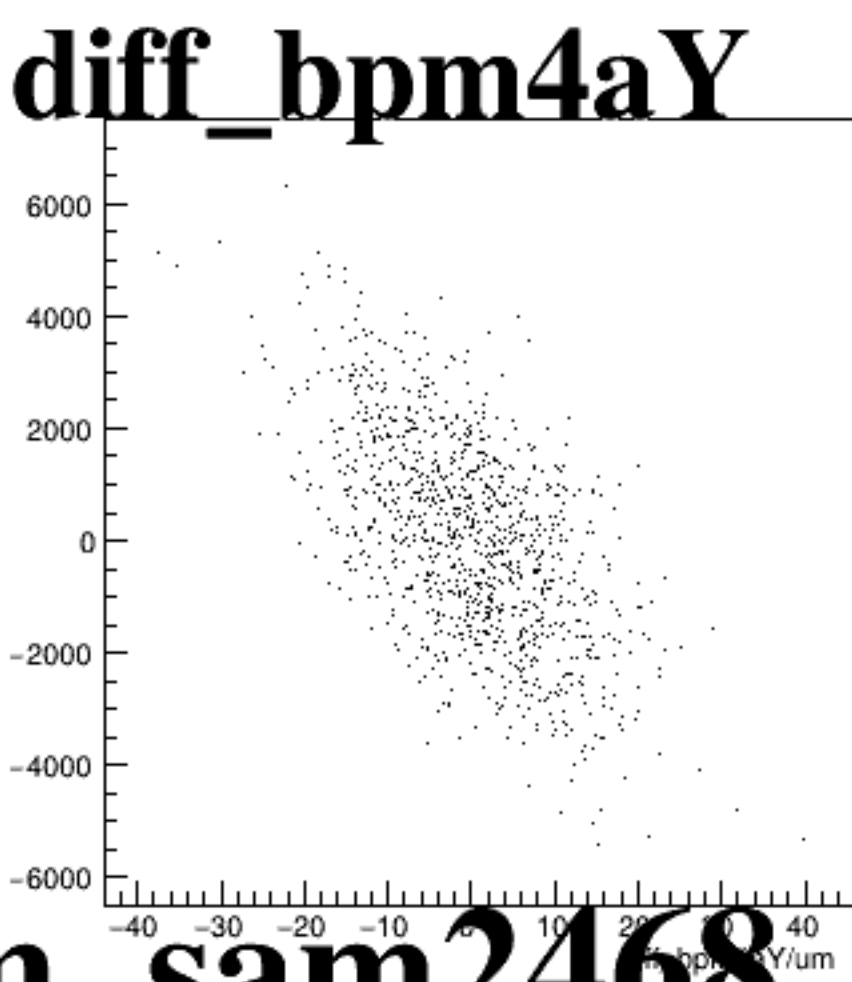
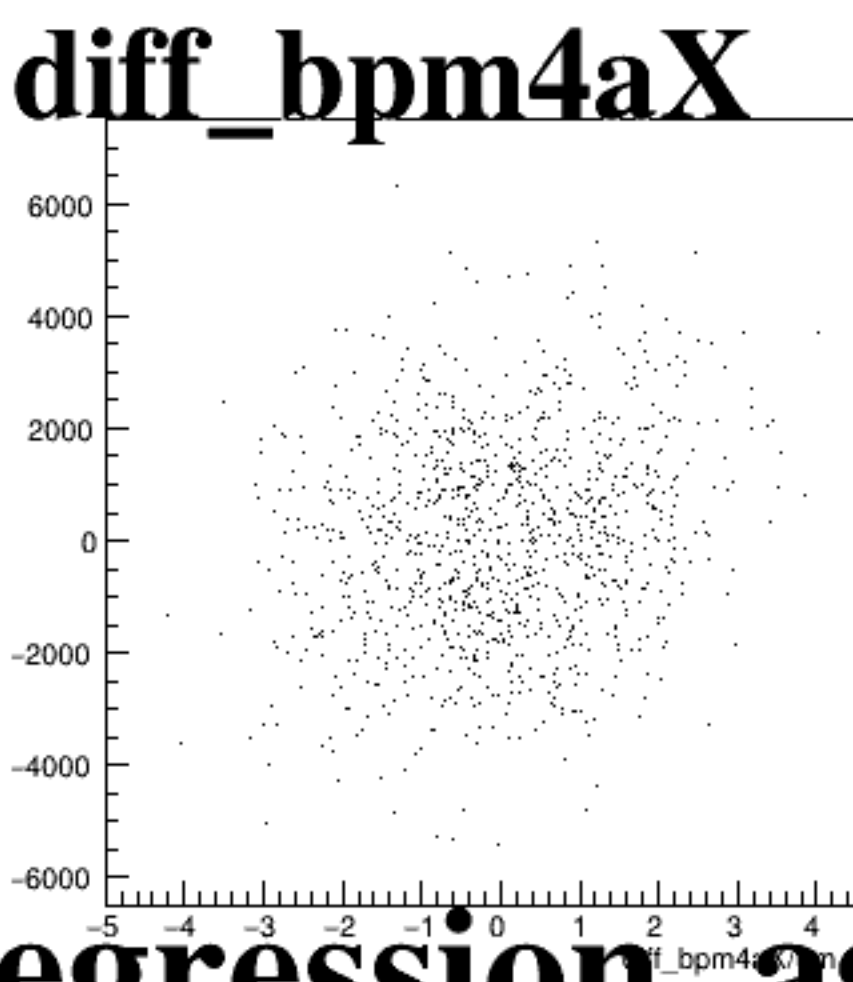
asym_sam4



asym_sam6



asym_sam8



The figure consists of five scatter plots arranged horizontally, each showing the distribution of differences in BPM coordinates for four different beam positions (4aX, 4aY, 4eX, 4eY) and the total difference (E). The y-axis for all plots is labeled 'diff_bpm' and ranges from -8000 to 6000. The x-axis for all plots is labeled 'diff_bpm/um' and ranges from -5 to 4 for 4aX, -40 to 40 for 4aY, -20 to 25 for 4eX, -20 to 25 for 4eY, and -25 to 20 for E. The distributions are roughly circular and centered at the origin.

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 -3000 to 3000. The x-axis for each plot is labeled as follows:

- diff_bpm4aX**: x-axis ranges from -5 to 4.
- diff_bpm4aY**: x-axis ranges from -40 to 40.
- diff_bpm4eX**: x-axis ranges from -20 to 20.
- diff_bpm4eY**: x-axis ranges from -20 to 25.
- diff_bpm4E**: x-axis ranges from -25 to 20.

The data points are concentrated in a central region, with some outliers. The plots show the distribution of diffraction orders for different BPMs, with the x-axis representing the diffraction order and the y-axis representing the intensity or count.

diff_bpm4aX

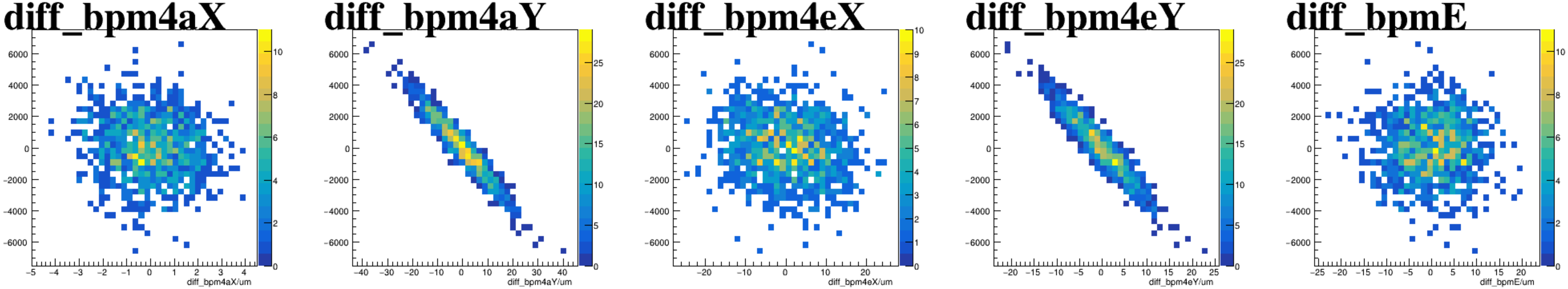
diff_bpm4aY

diff_bpm4eX

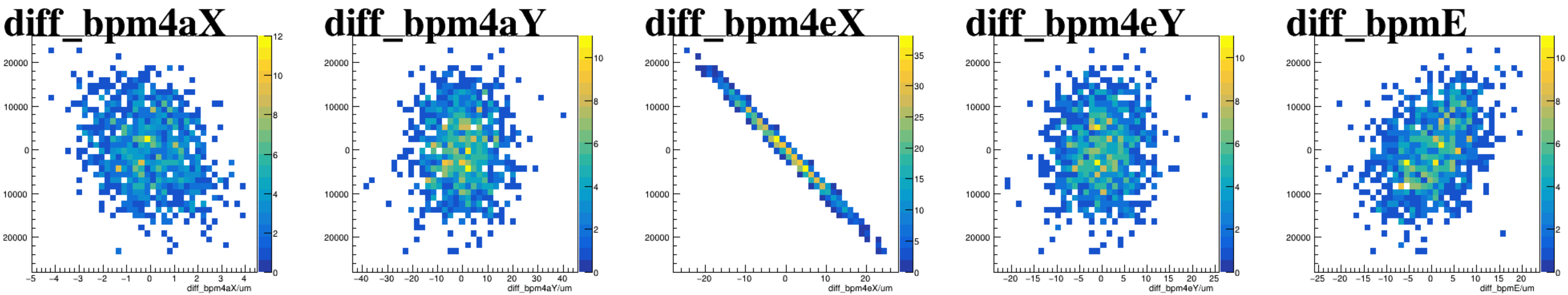
diff_bpm4eY

diff_bpmE

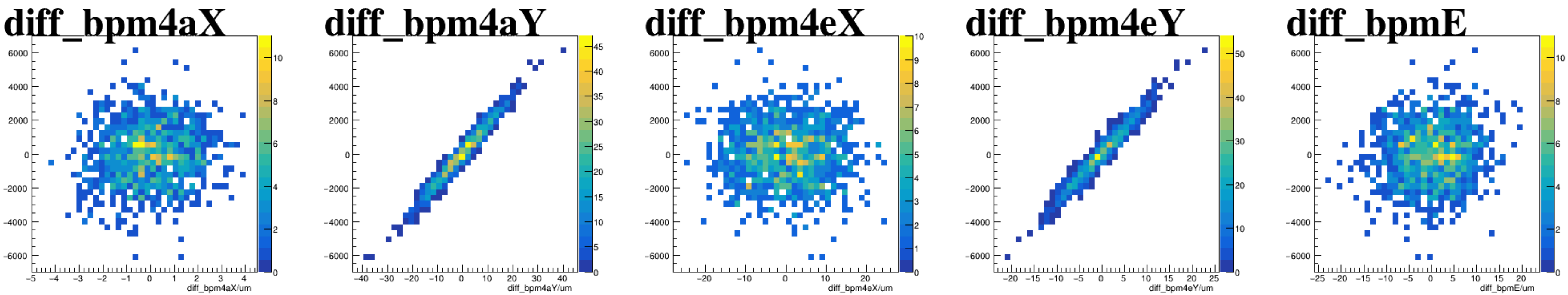
asym_sam1



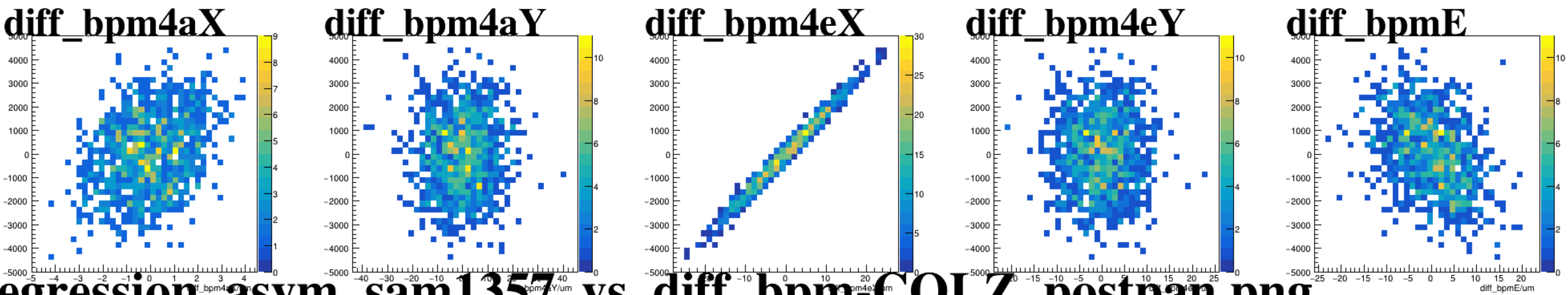
asym_sam3



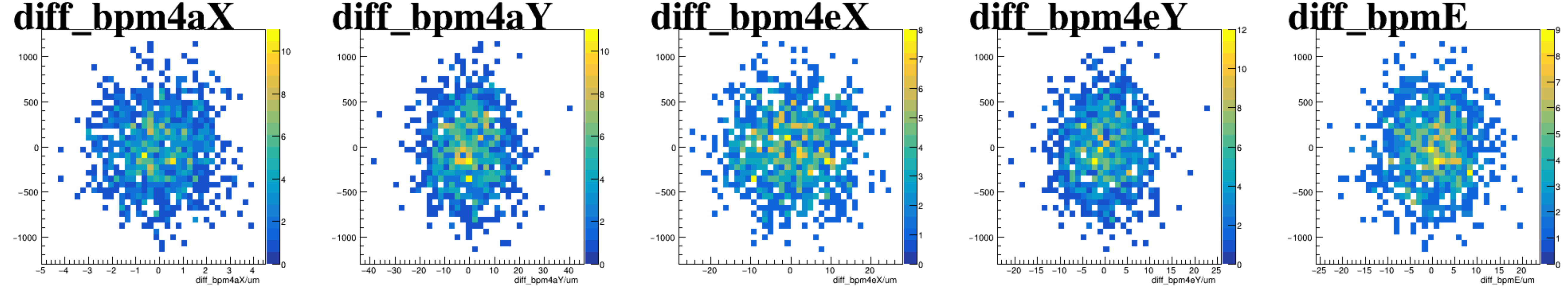
asym_sam5



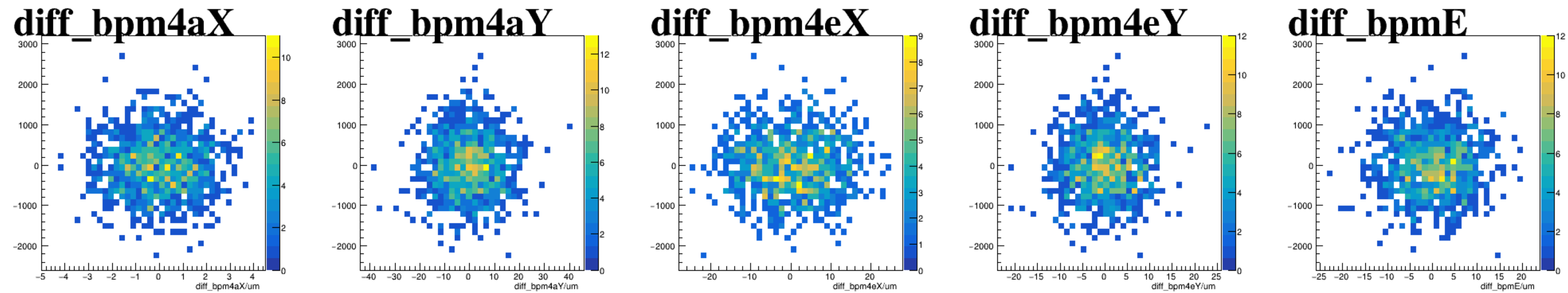
asym_sam7



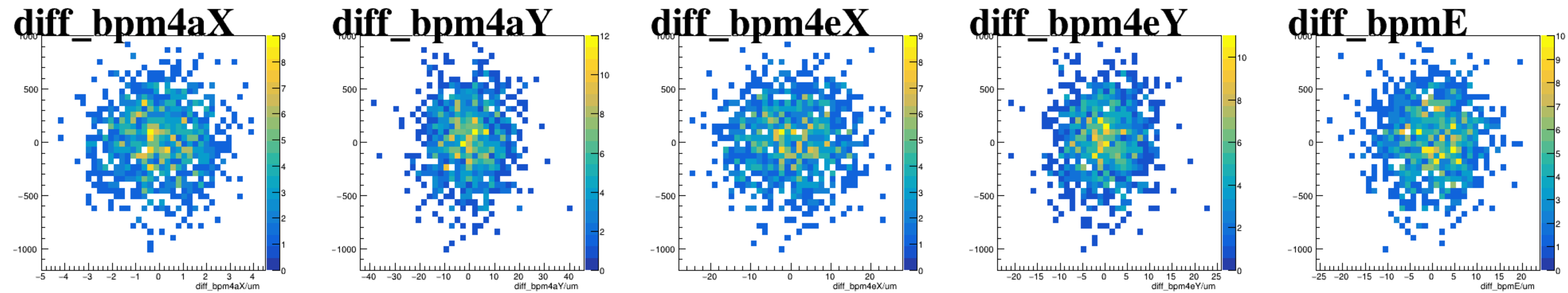
reg_asym_sam1



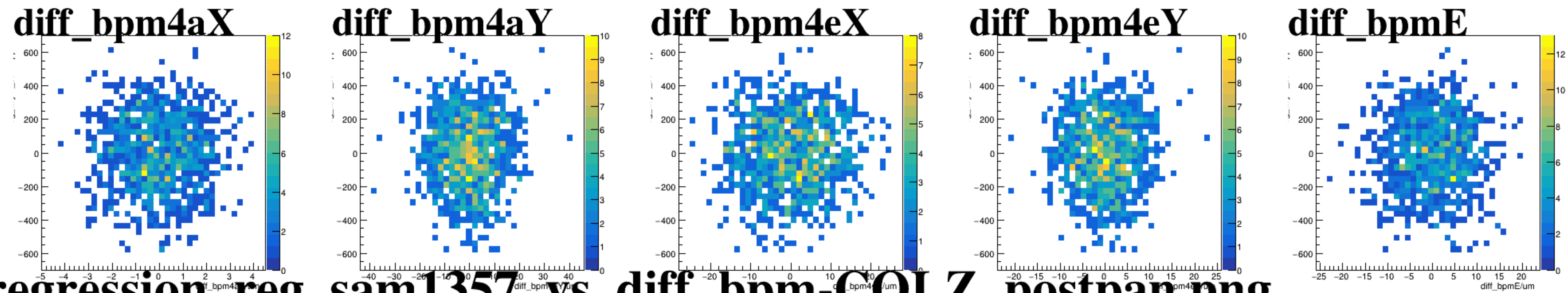
reg_asym_sam3



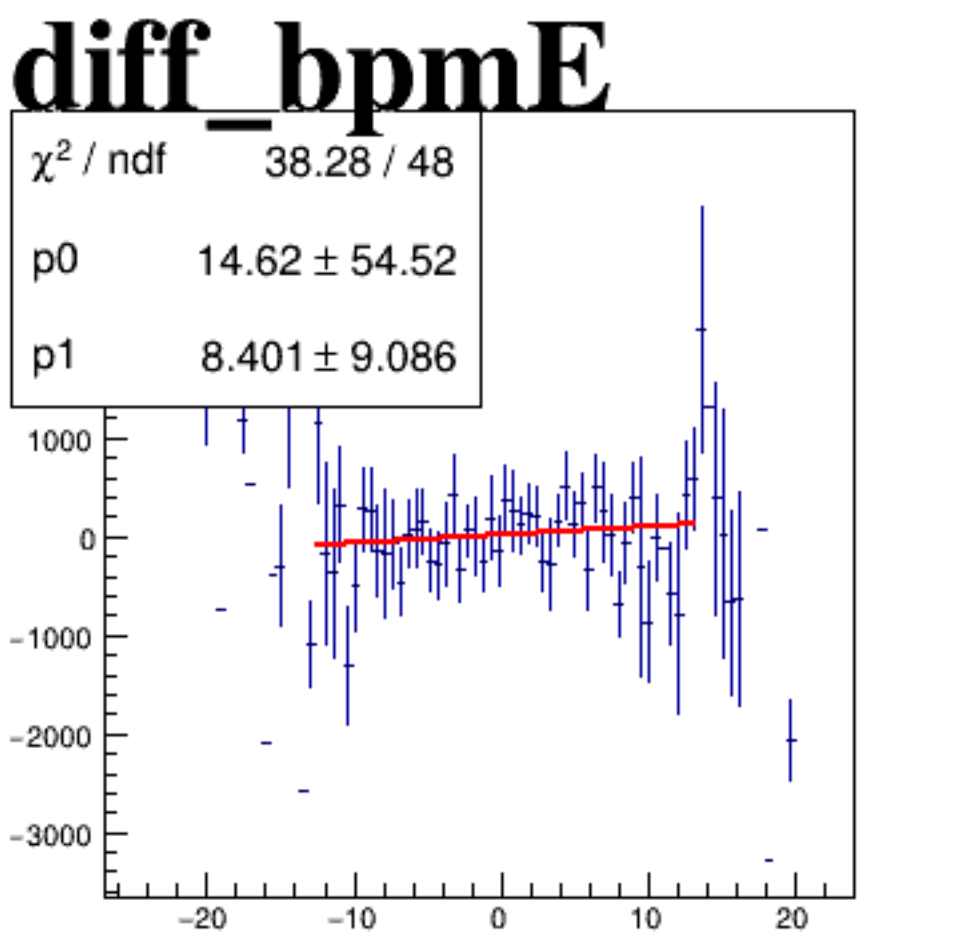
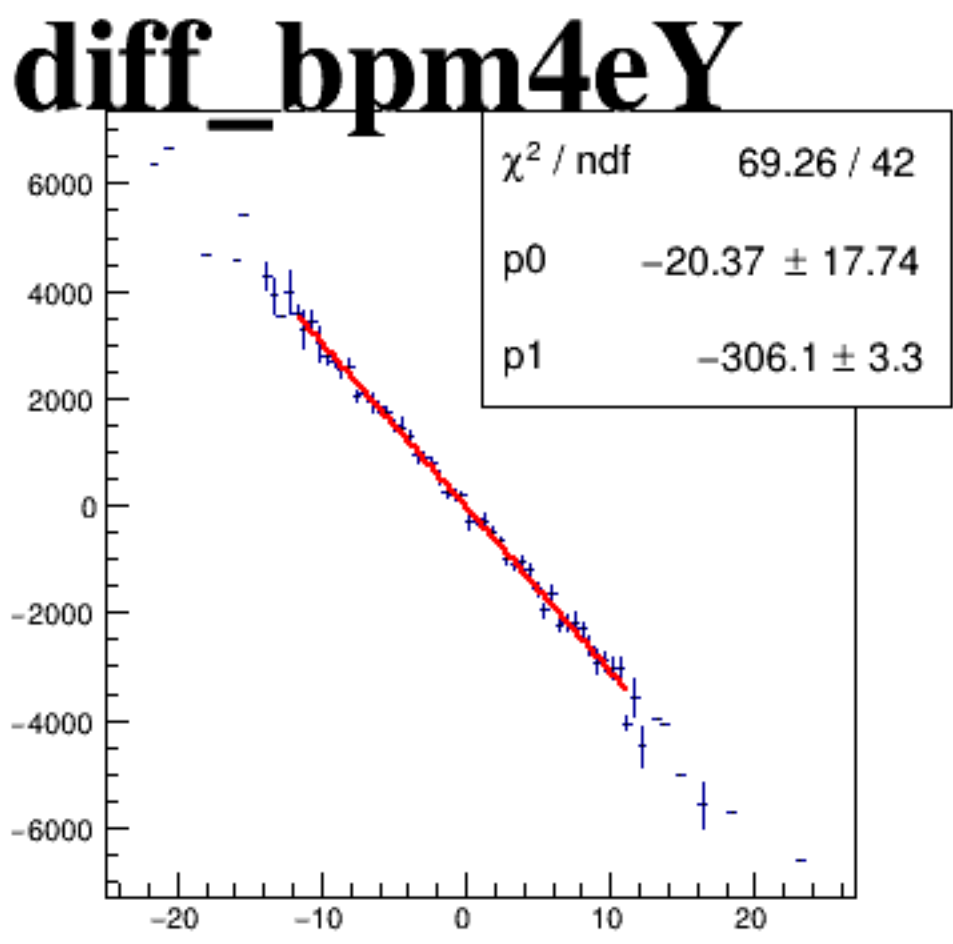
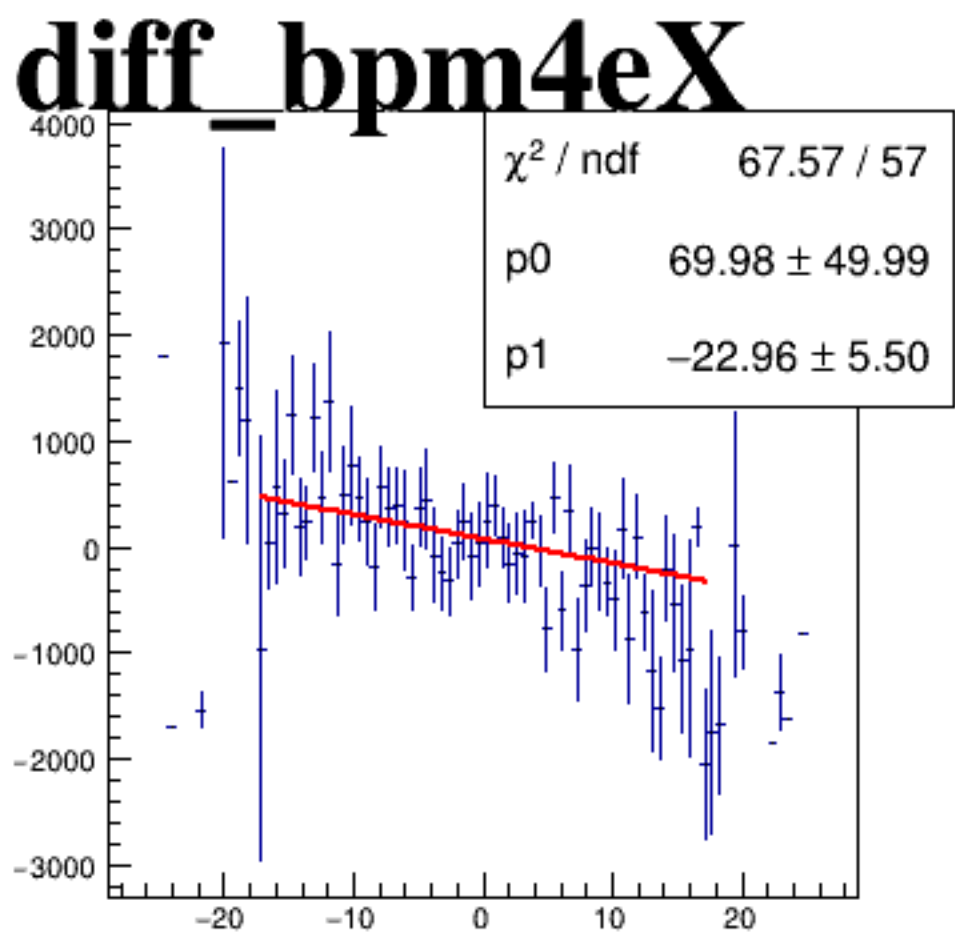
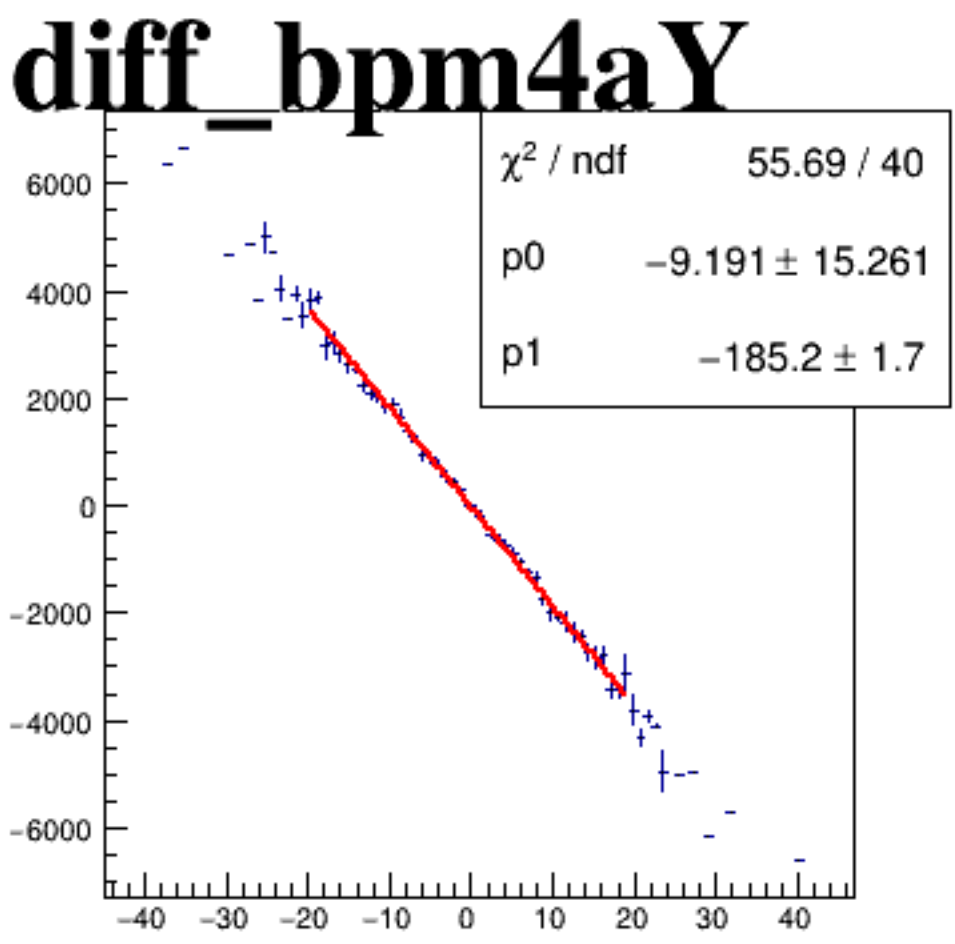
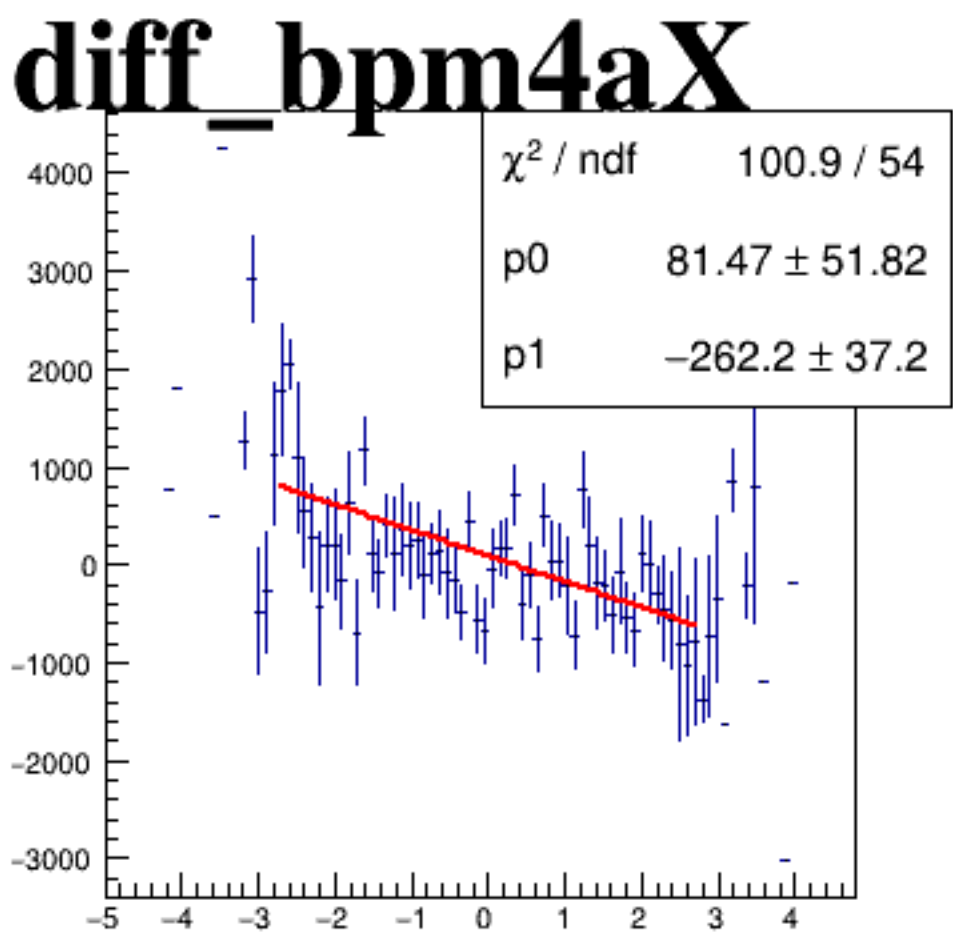
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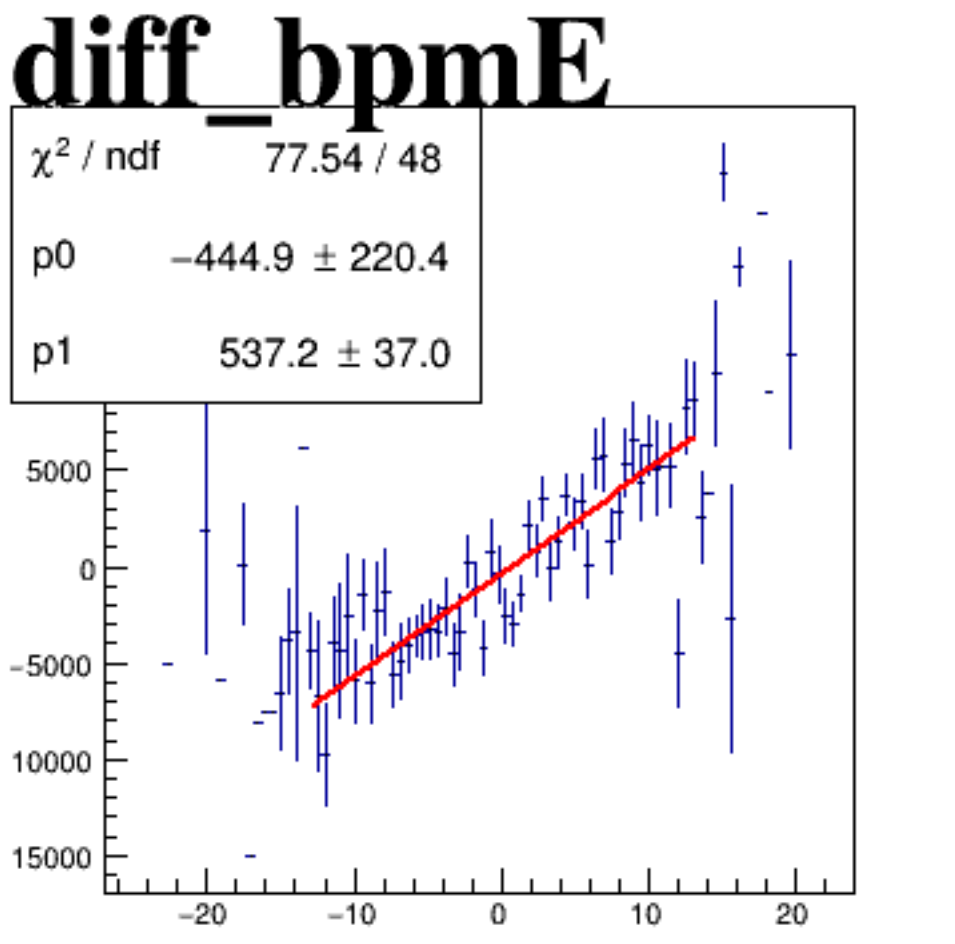
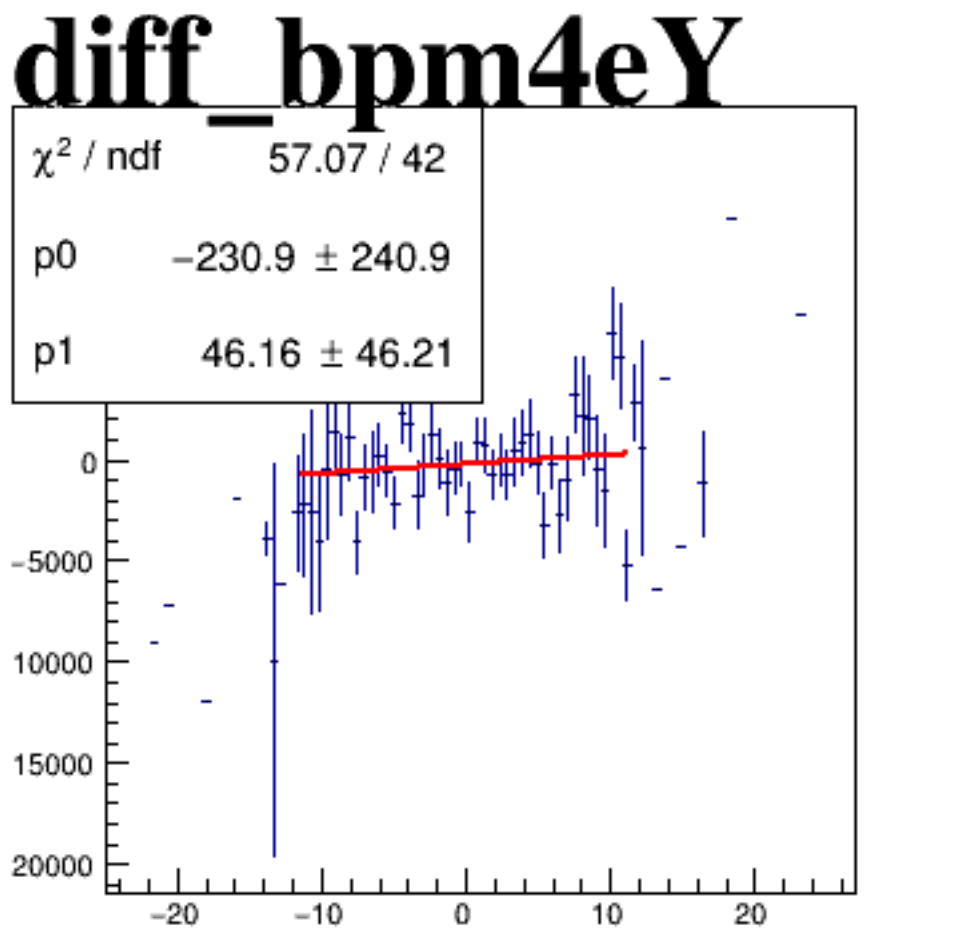
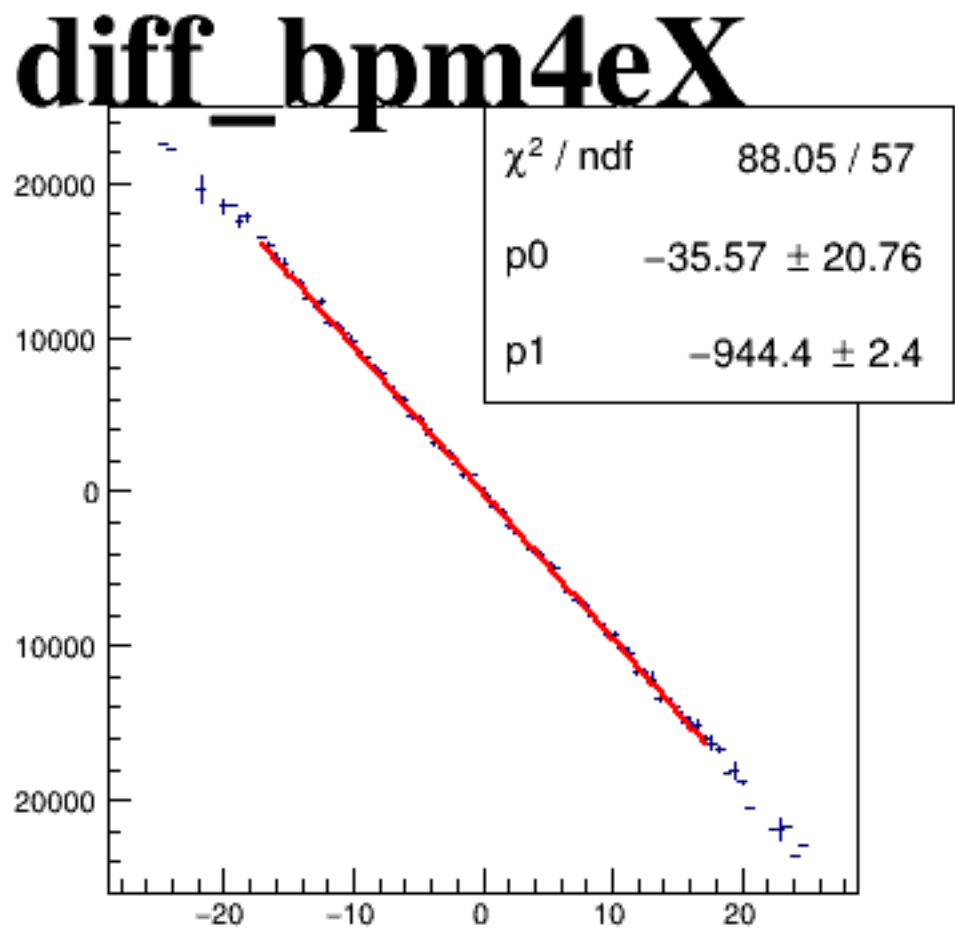
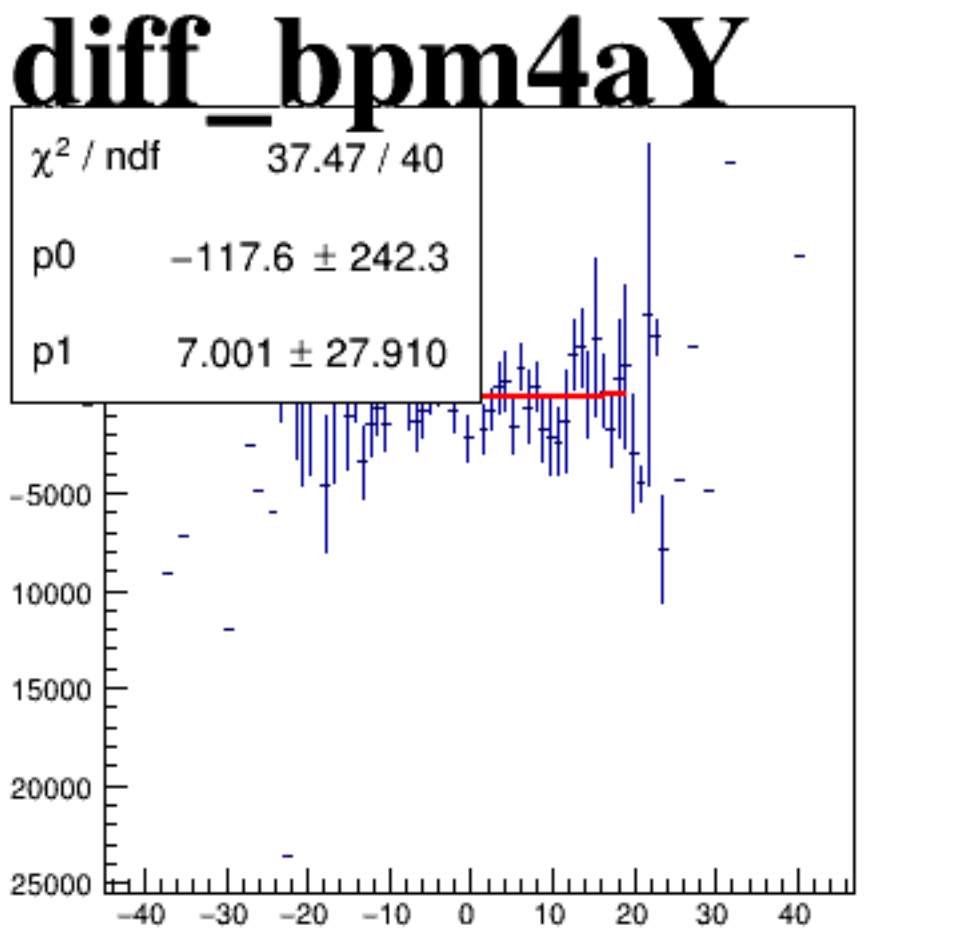
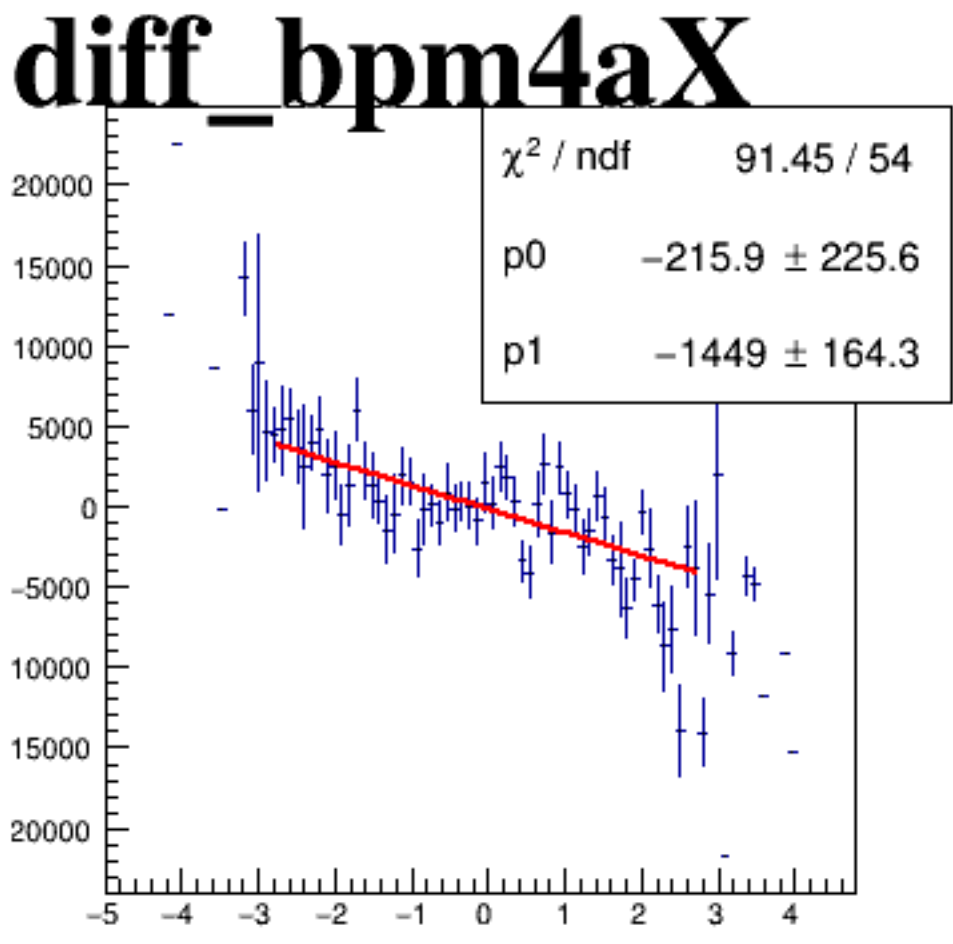
reg_asym_sam7



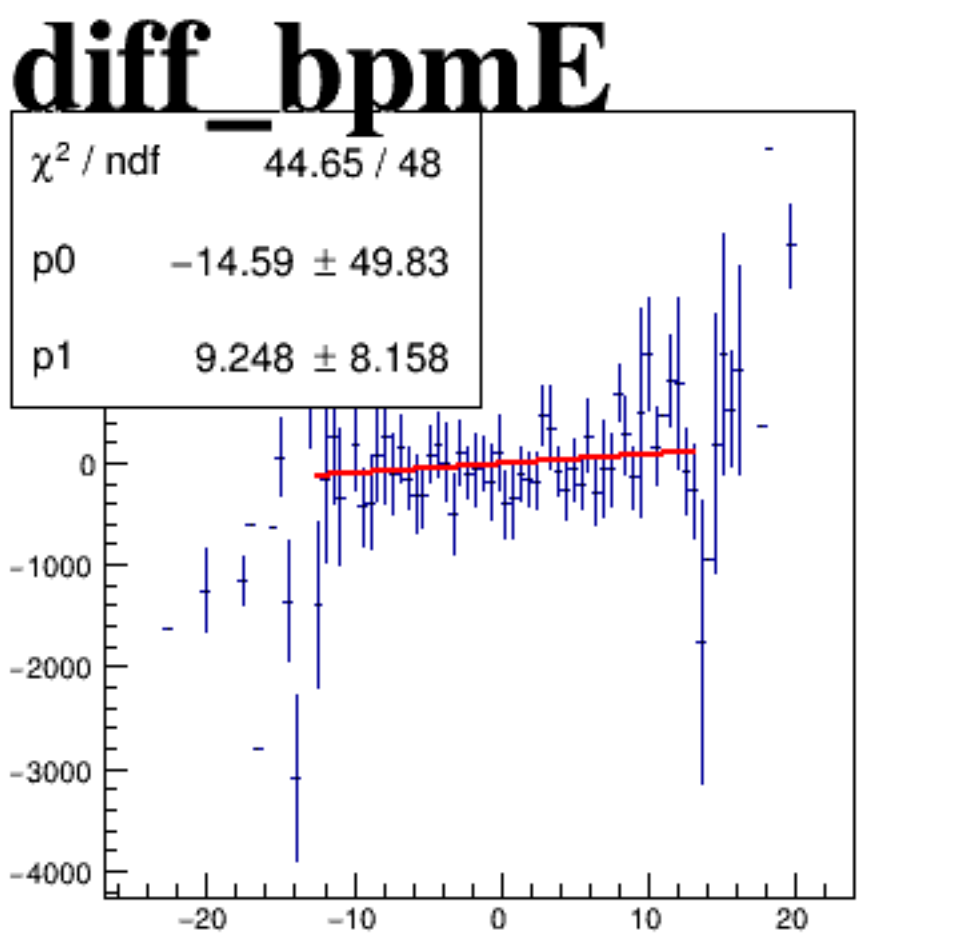
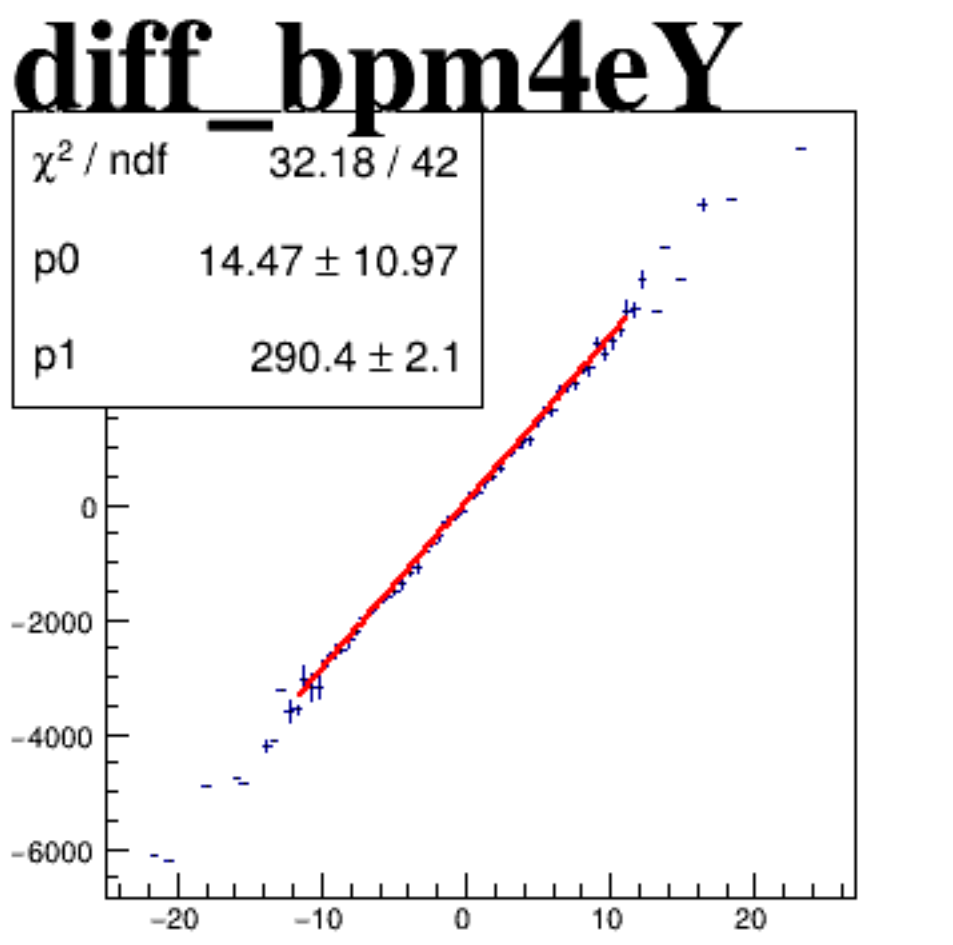
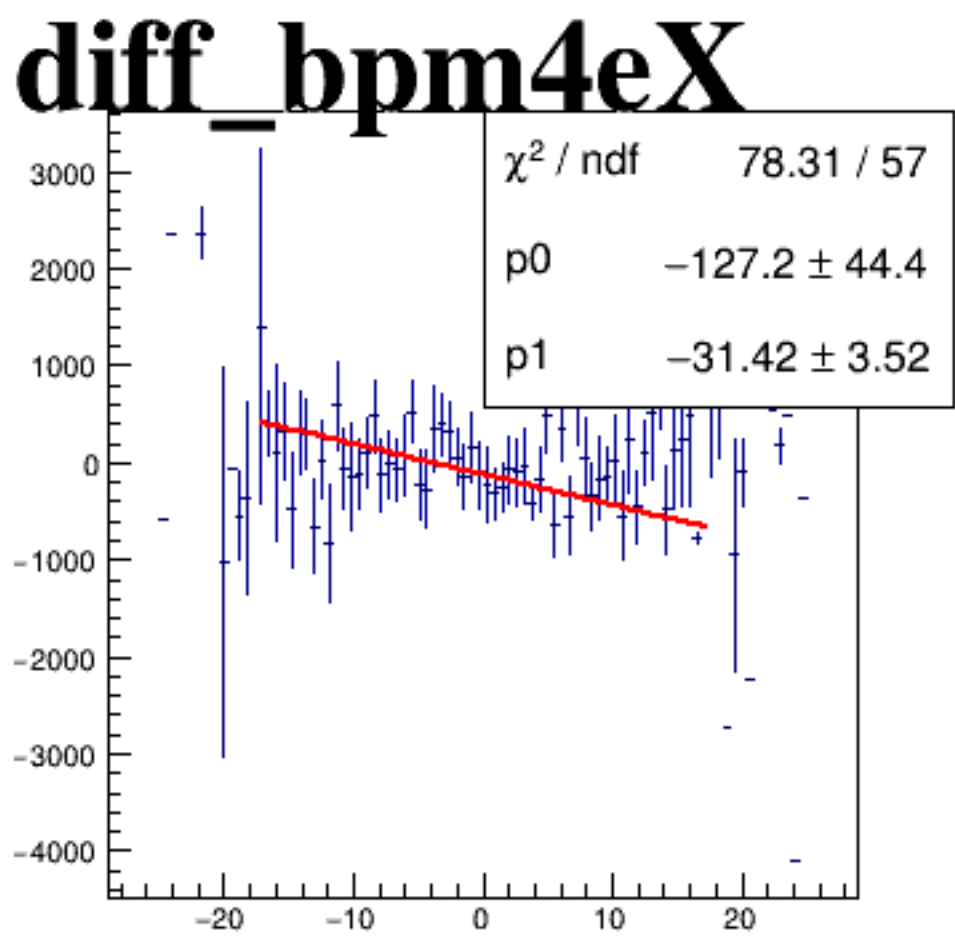
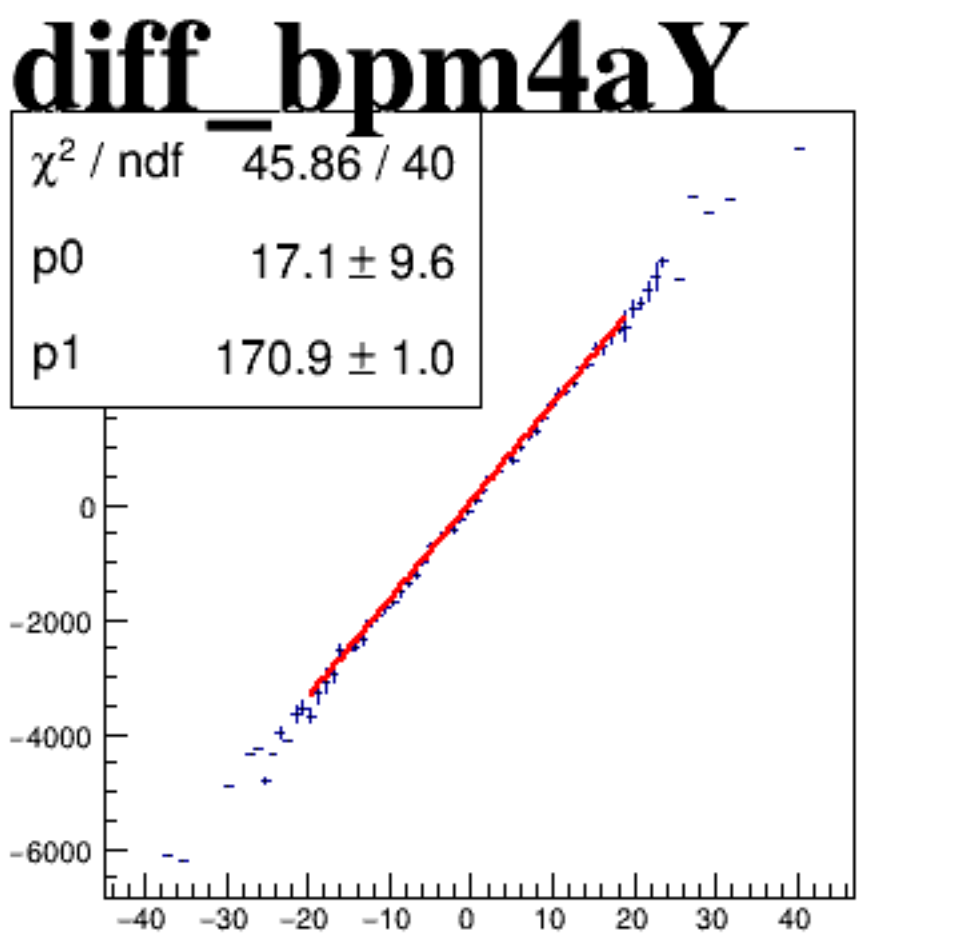
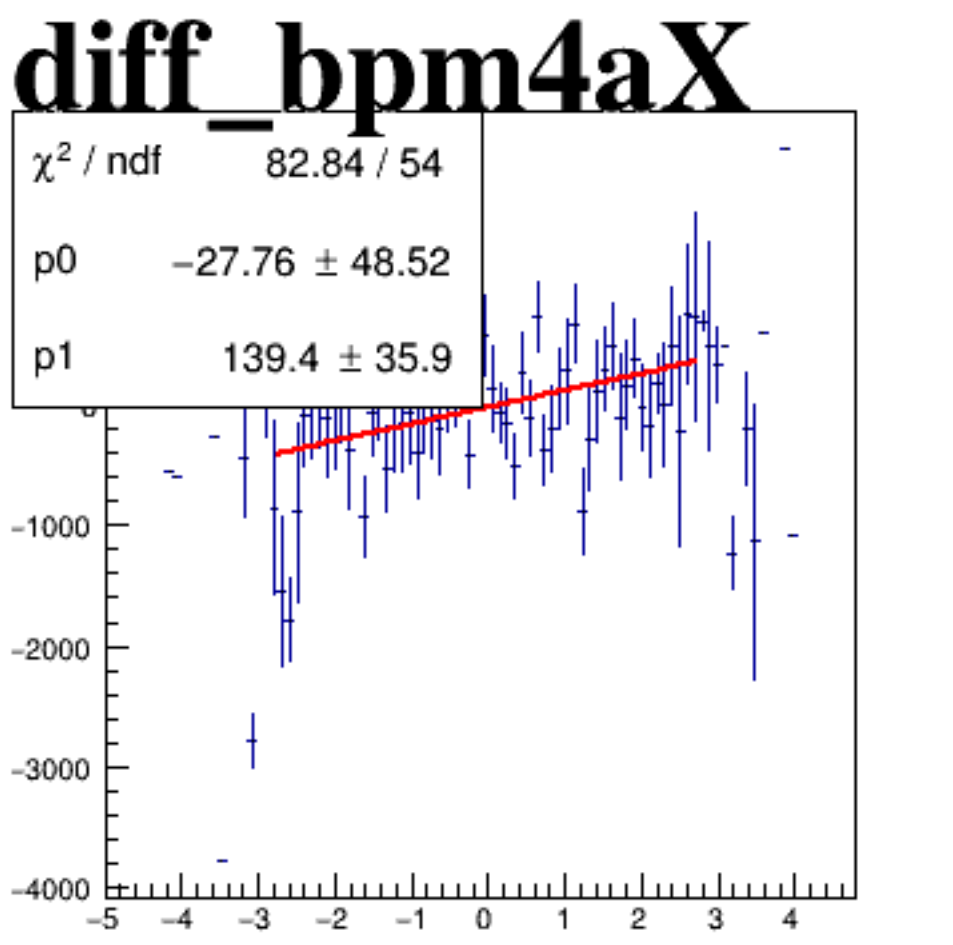
asym_sam1



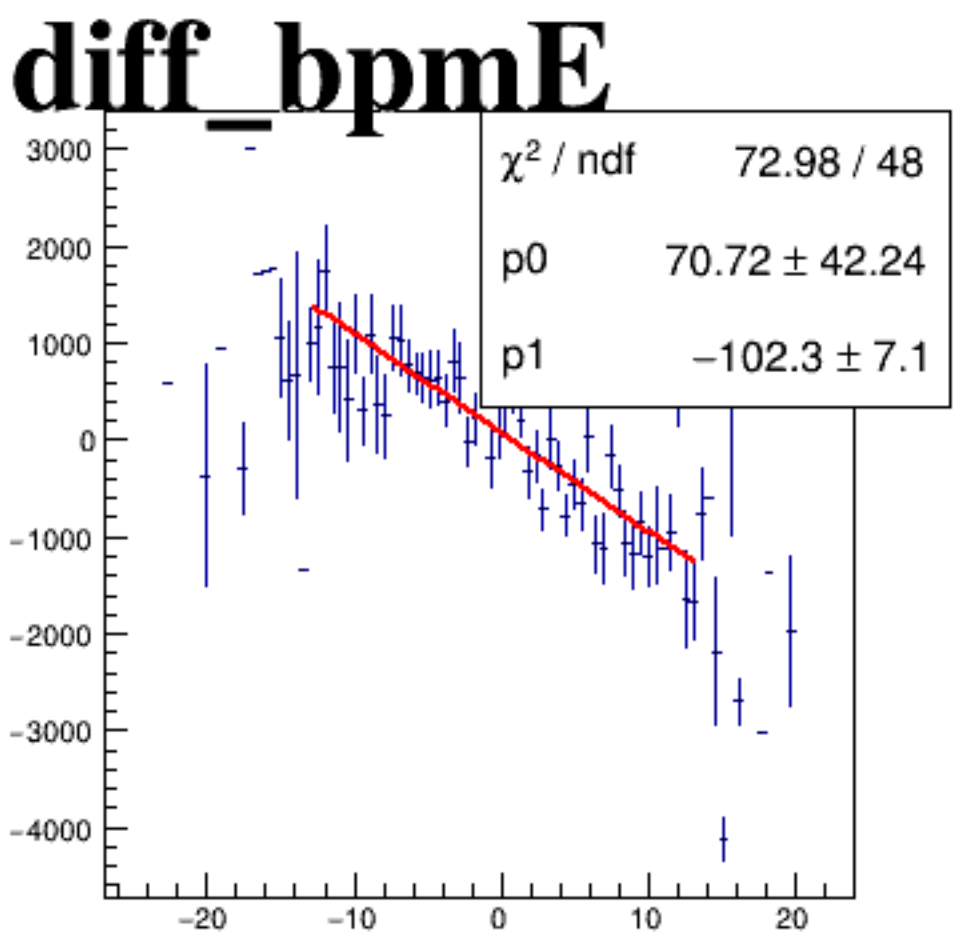
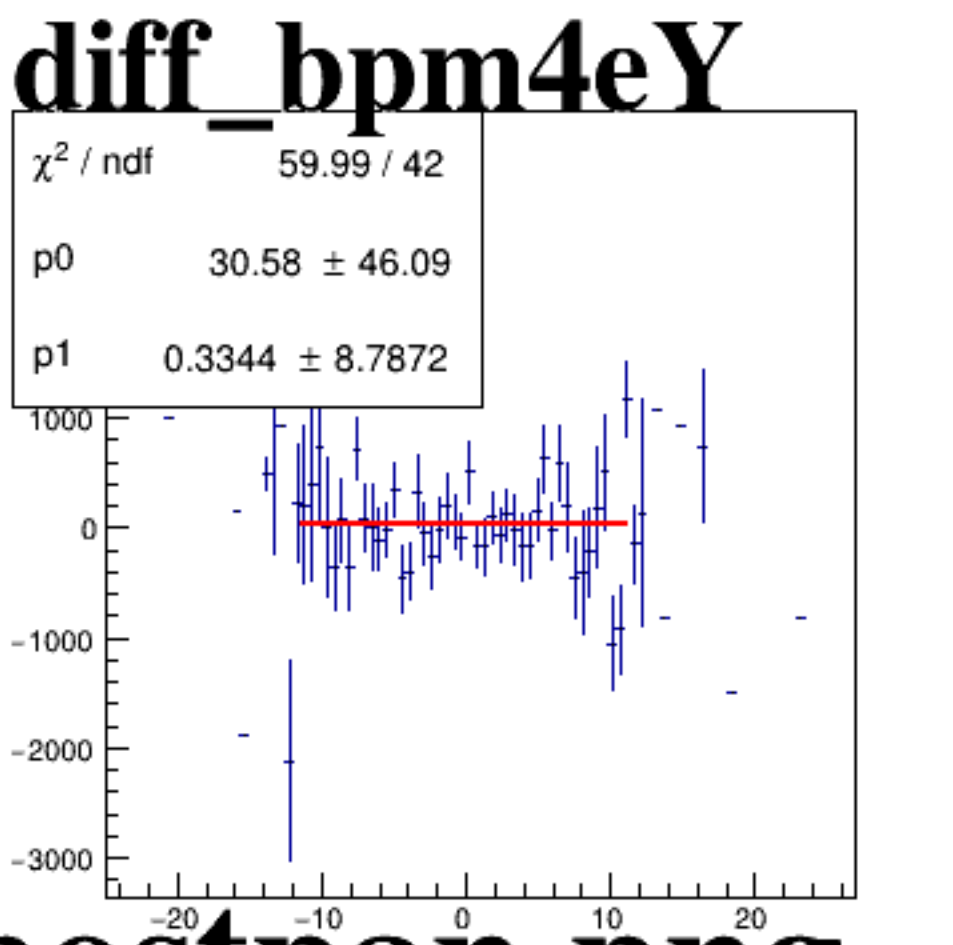
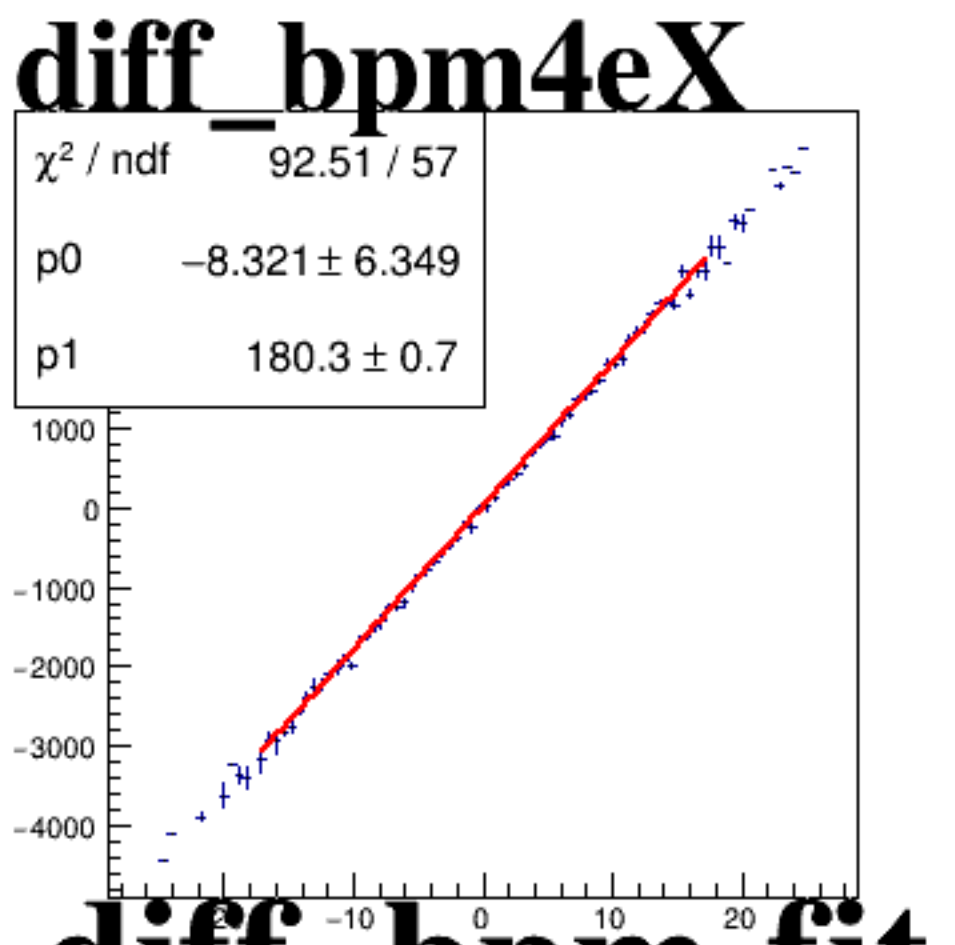
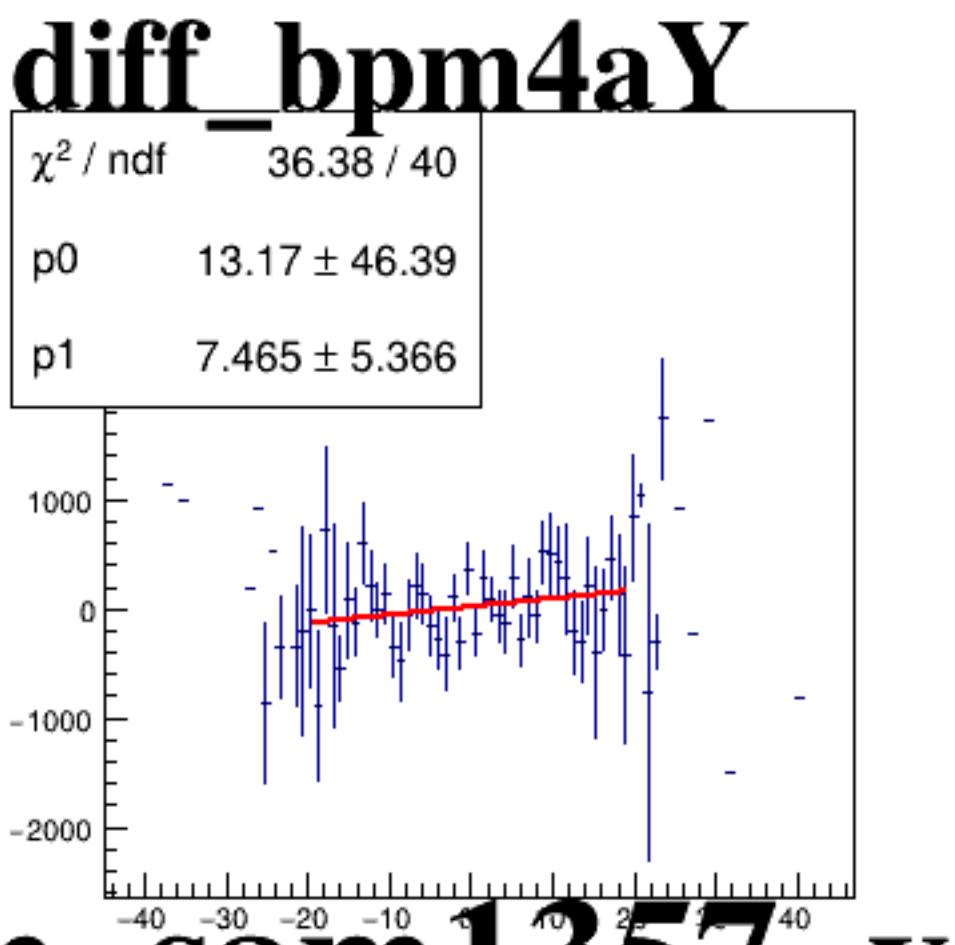
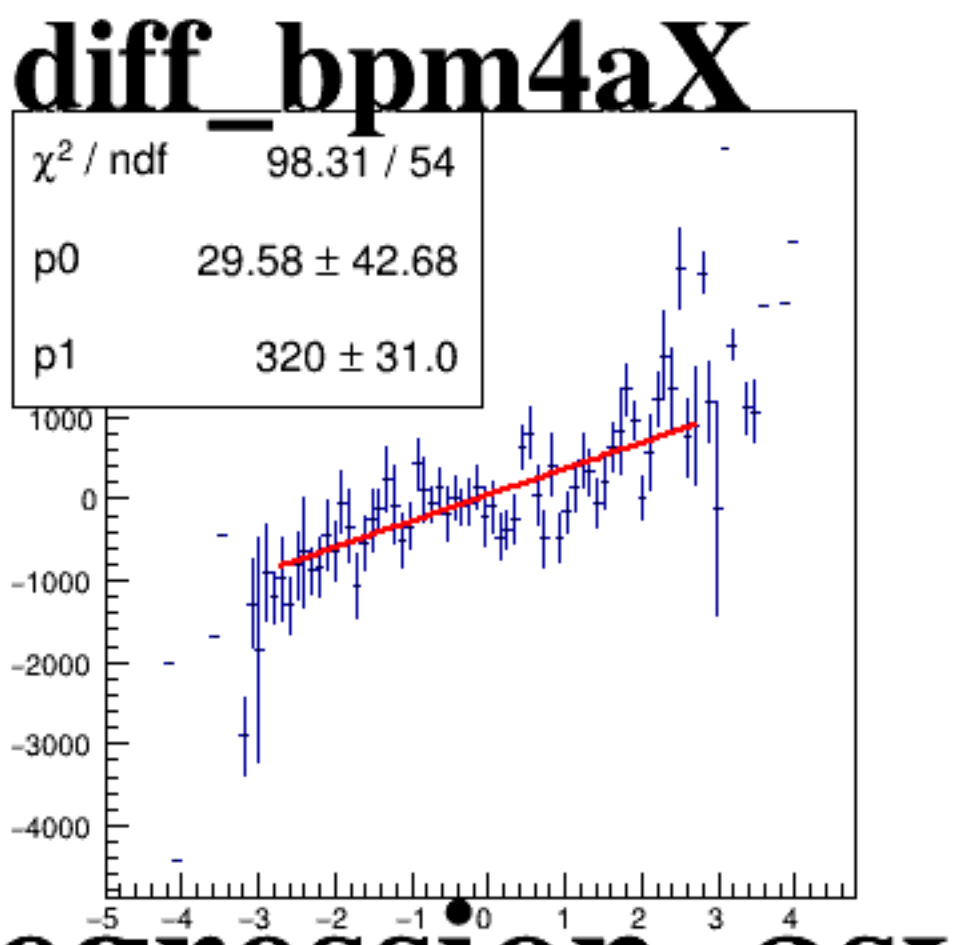
asym_sam3



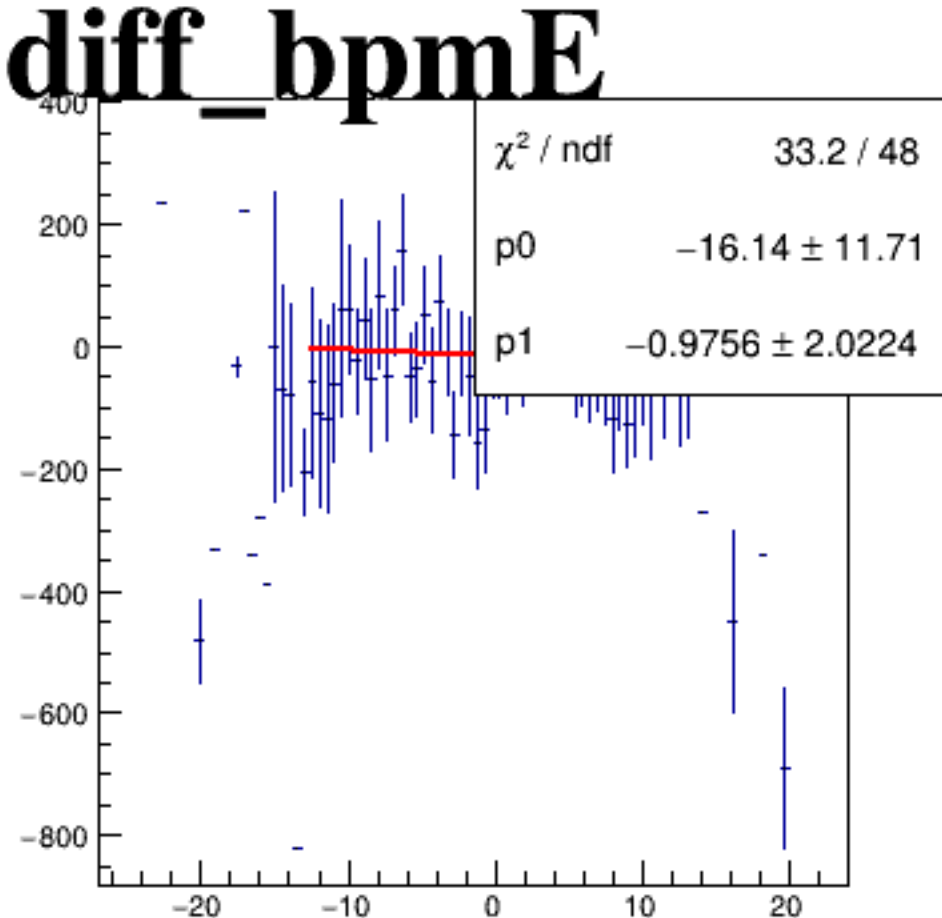
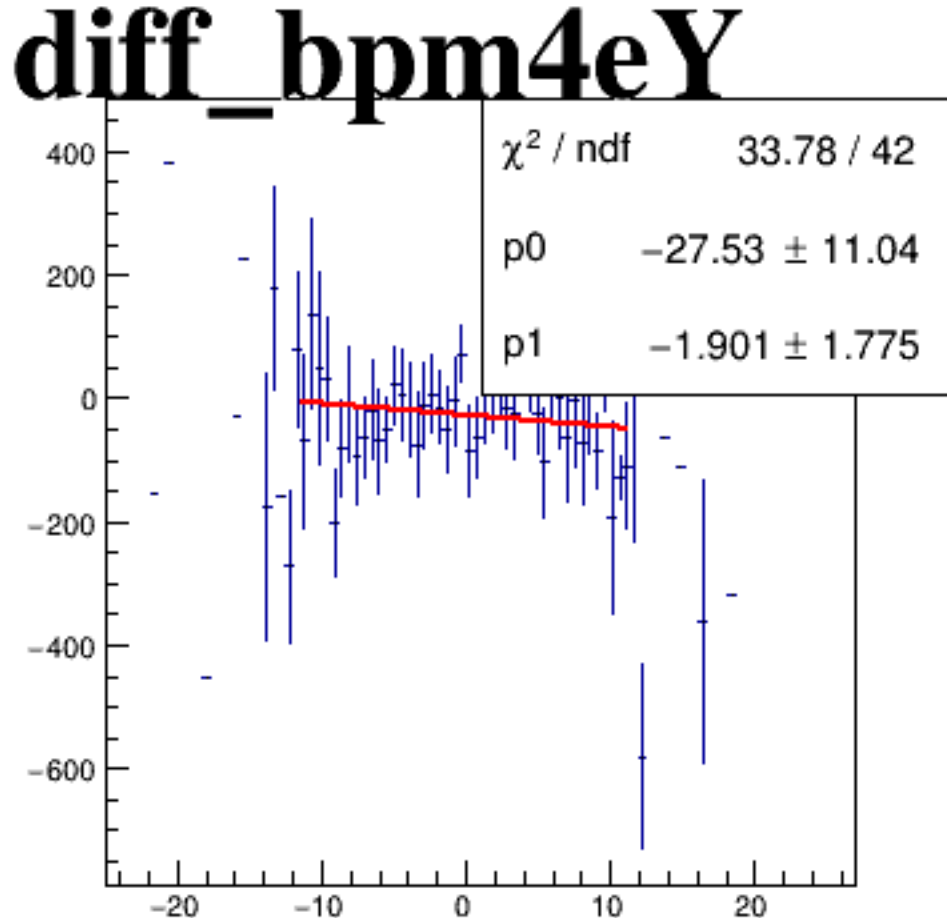
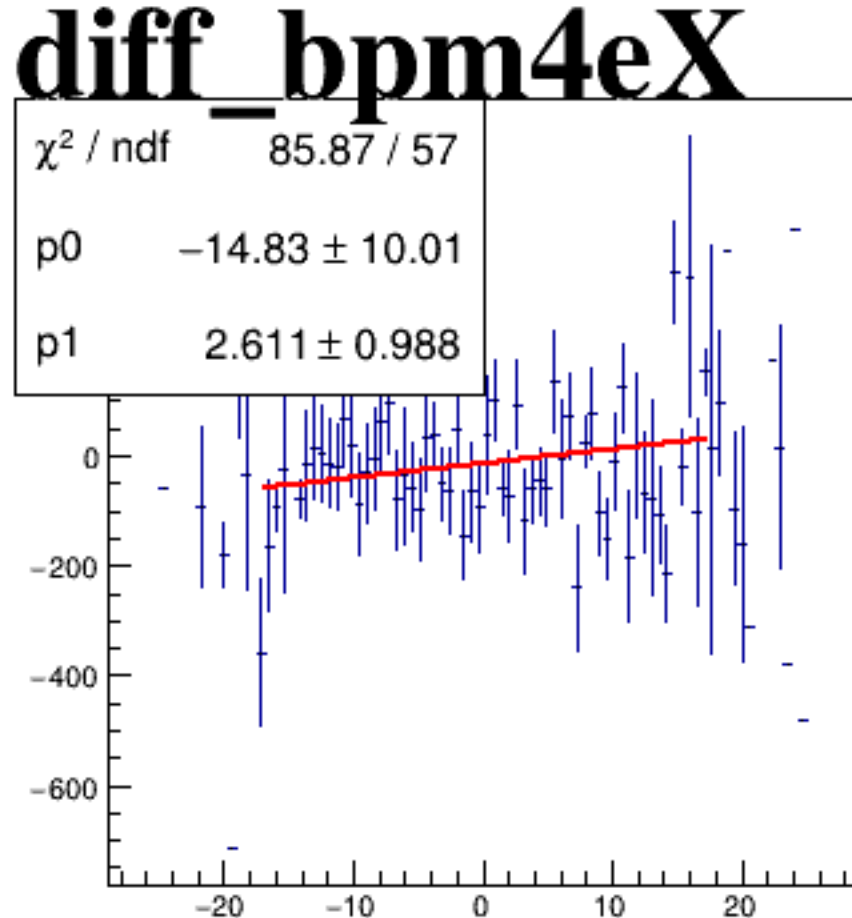
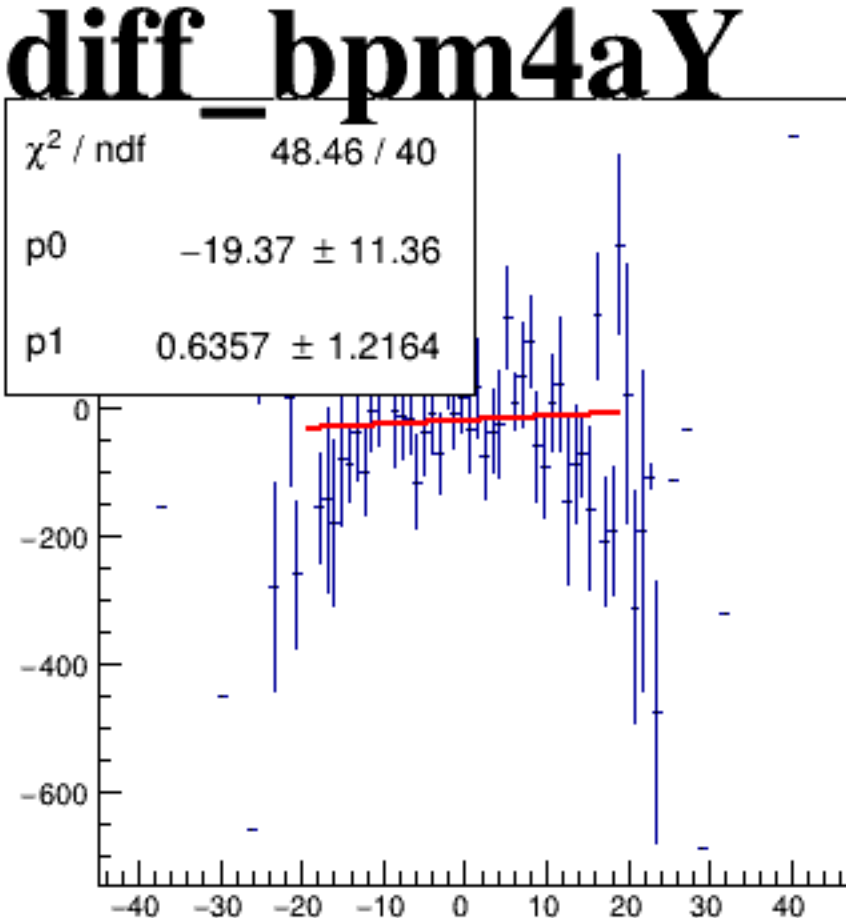
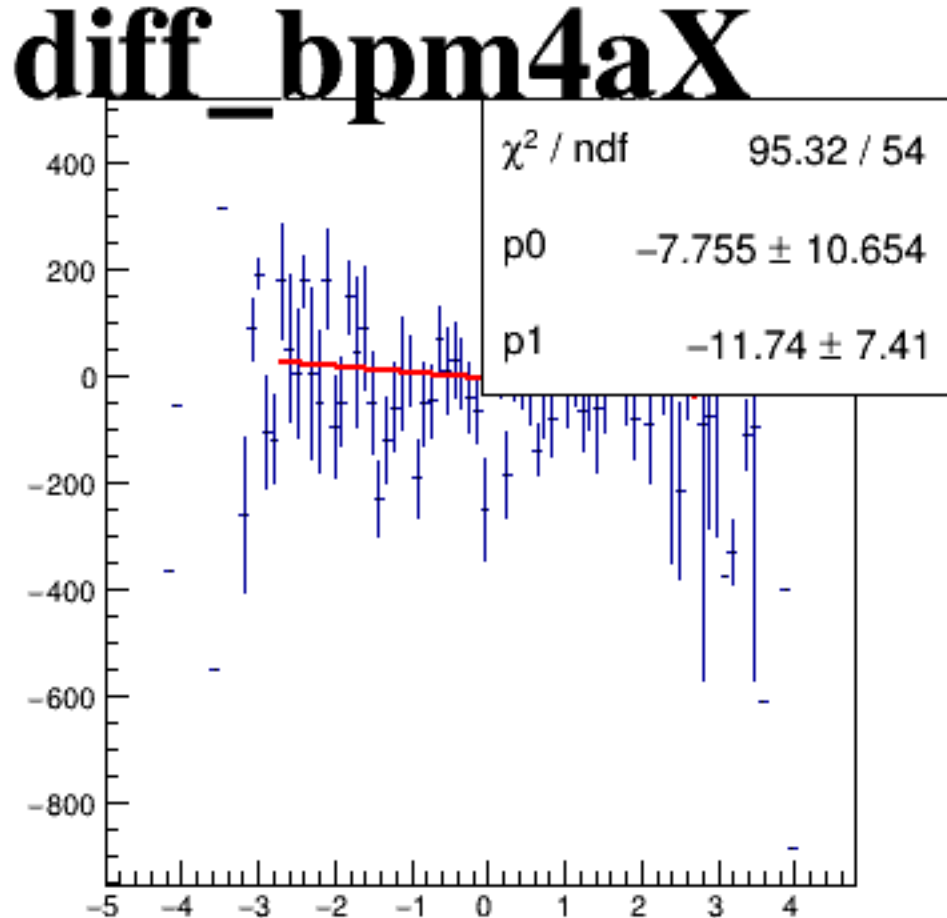
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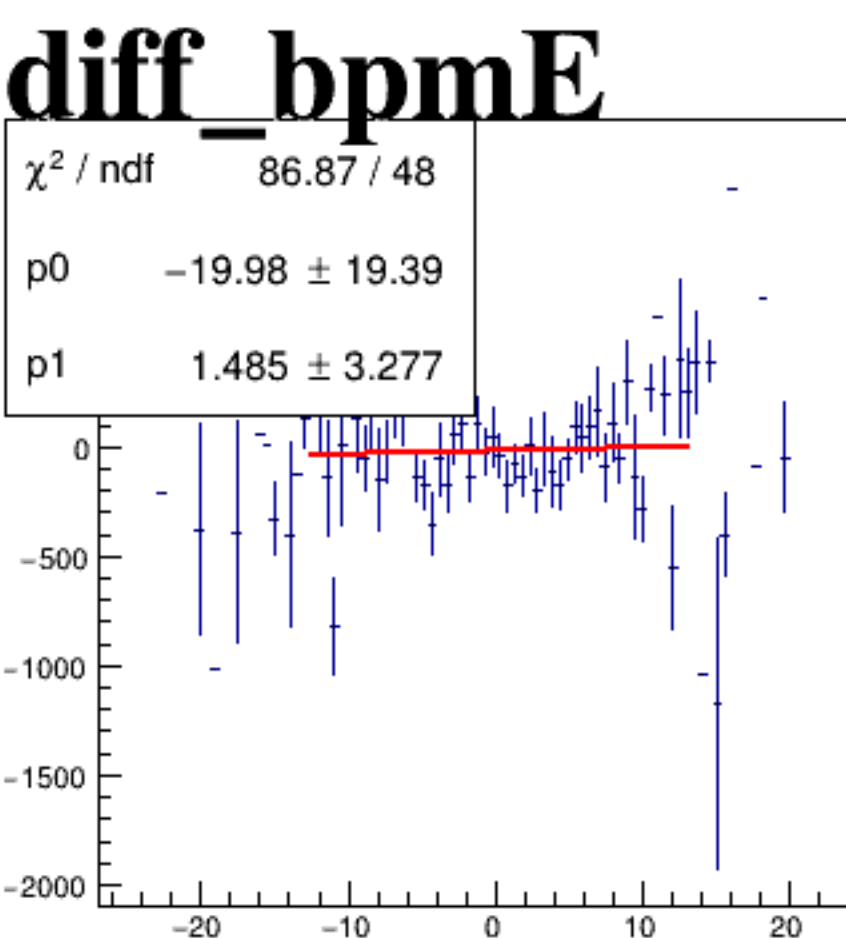
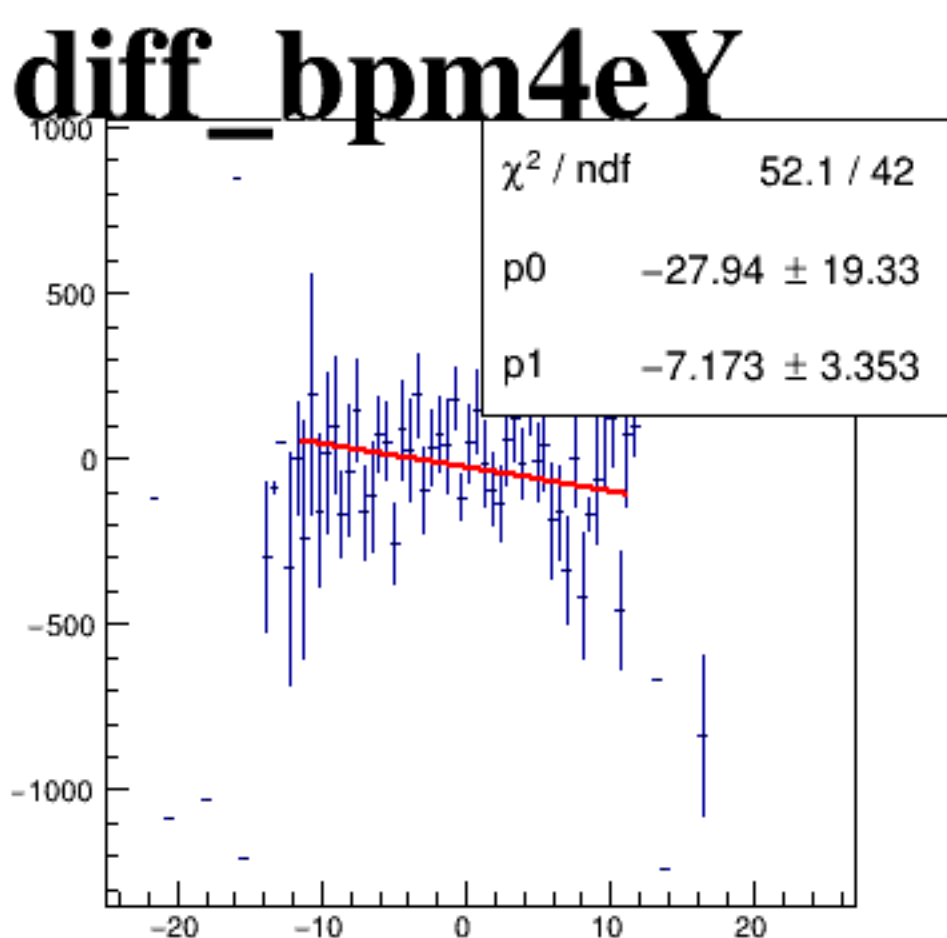
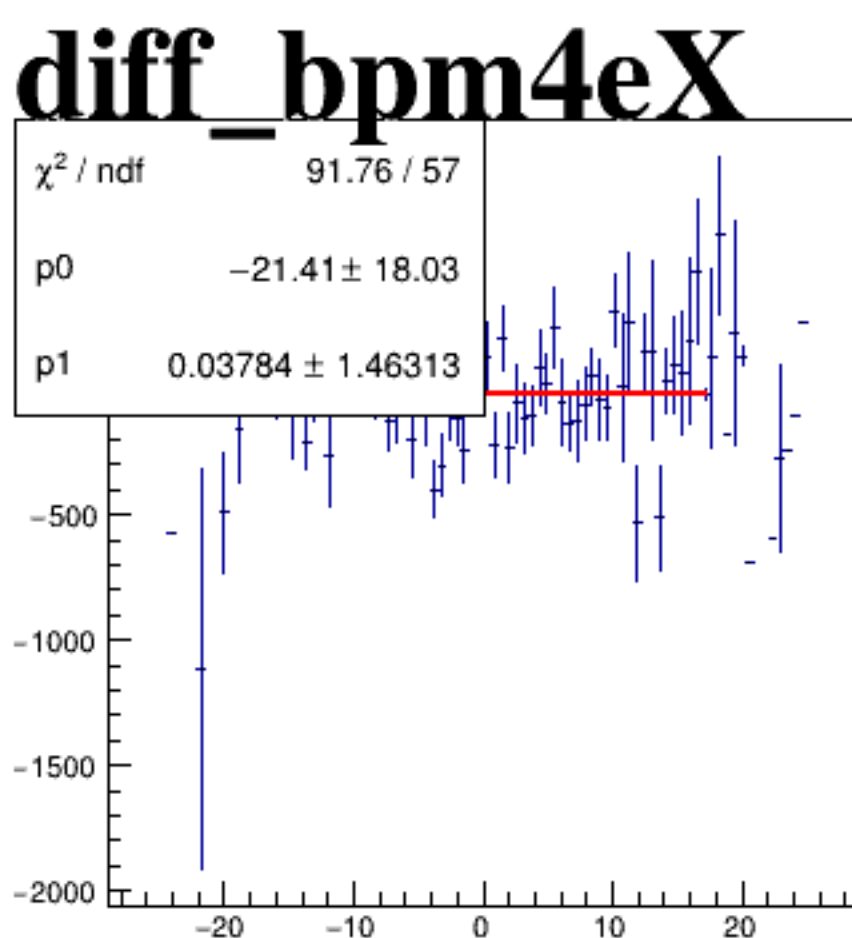
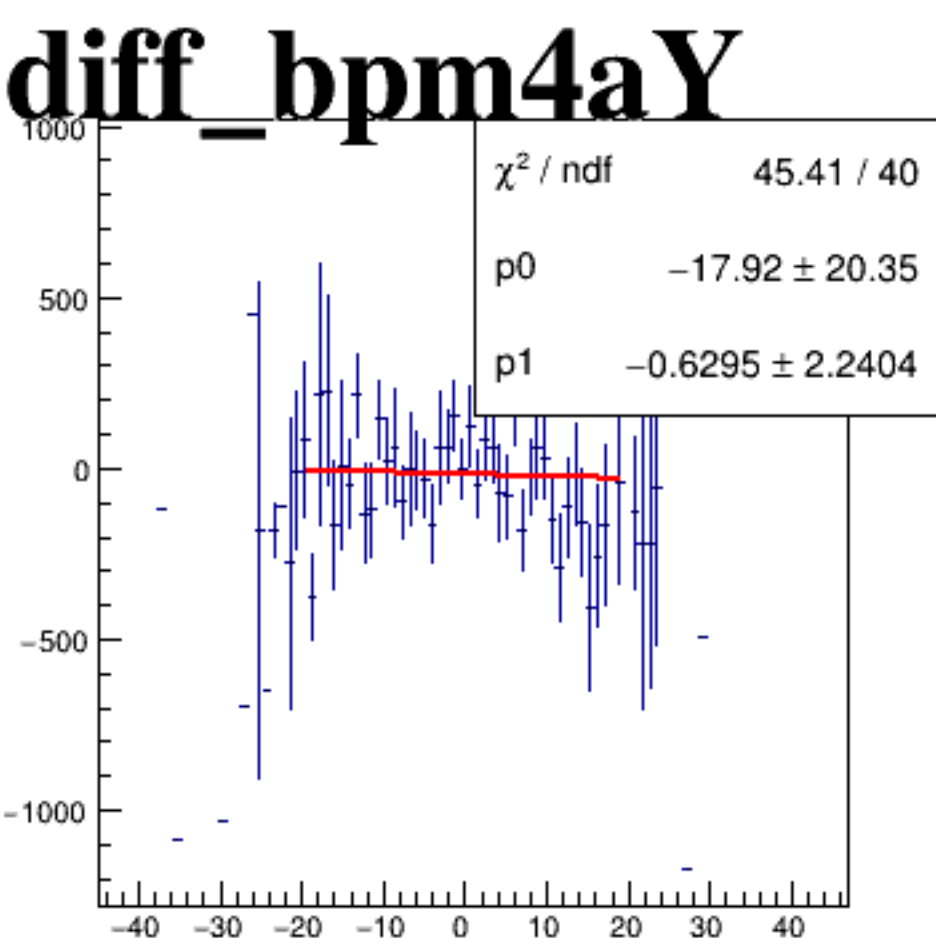
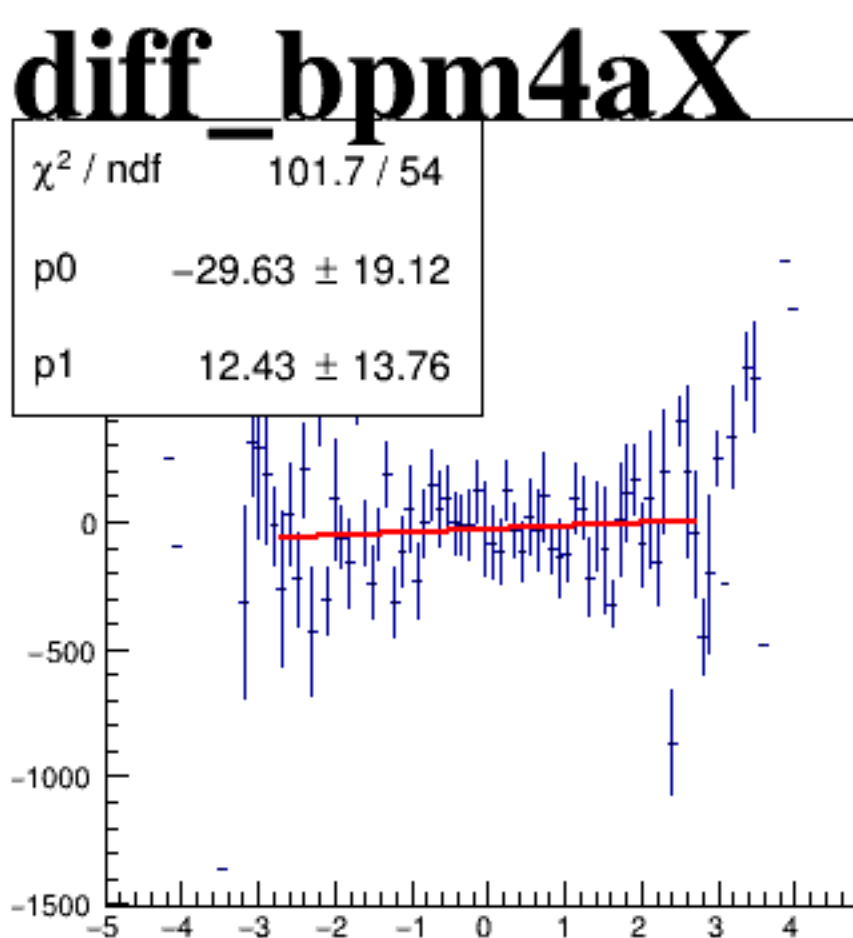
asym_sam7



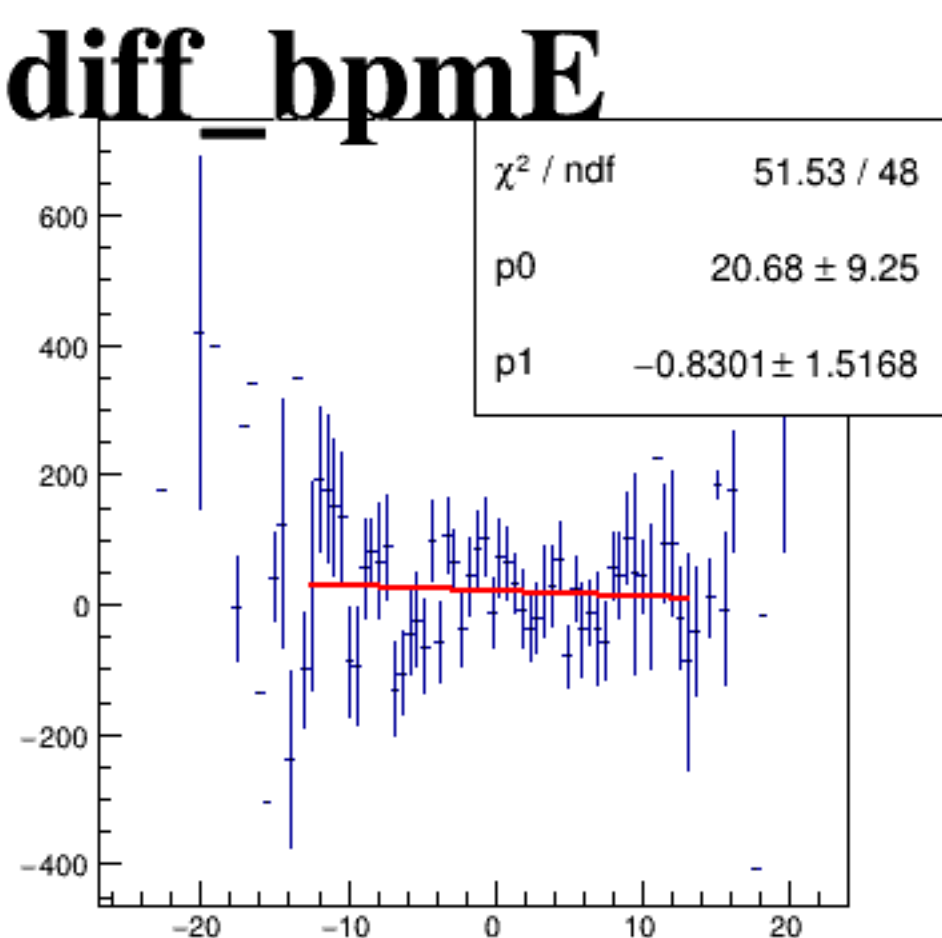
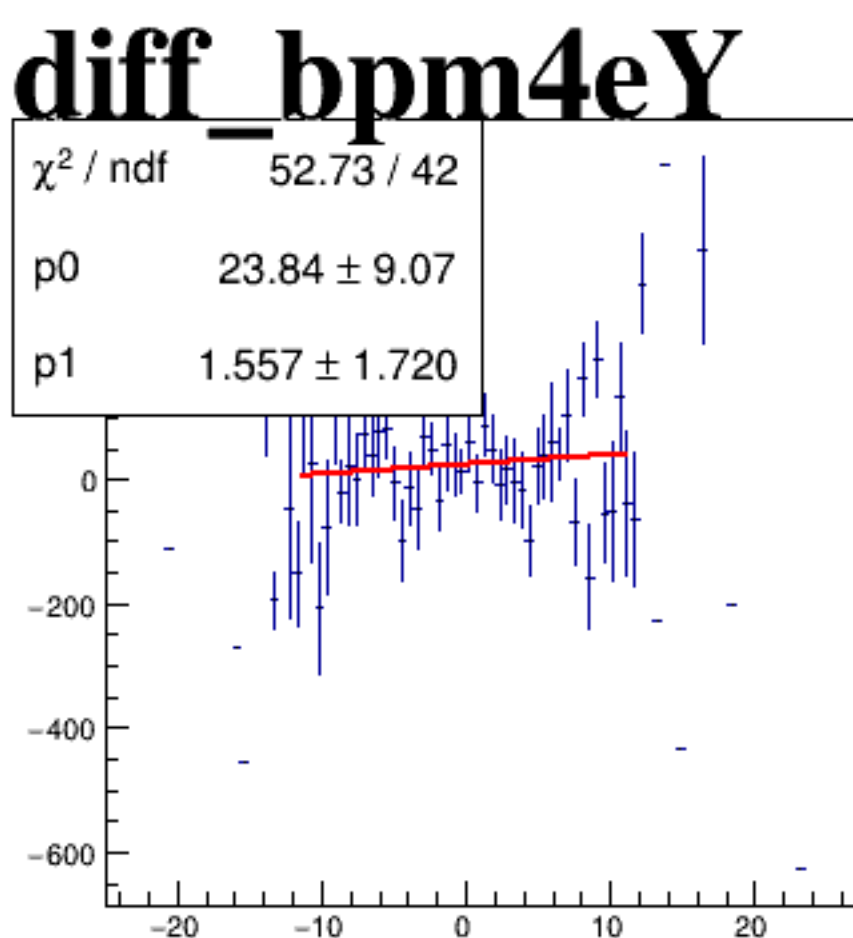
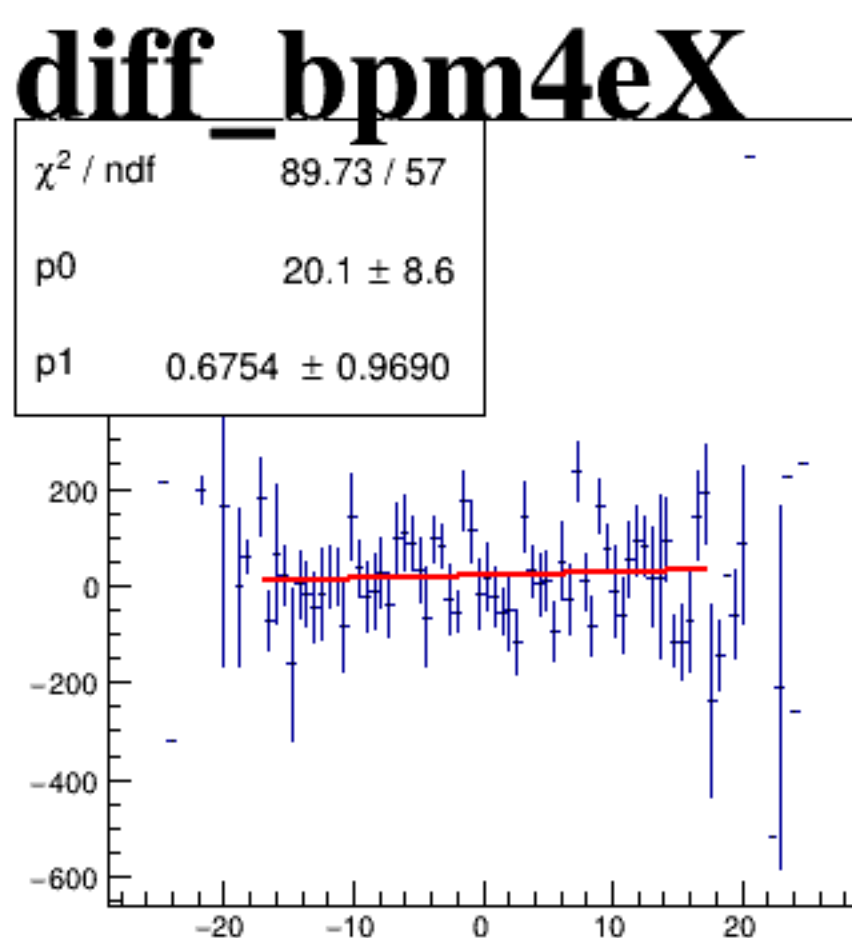
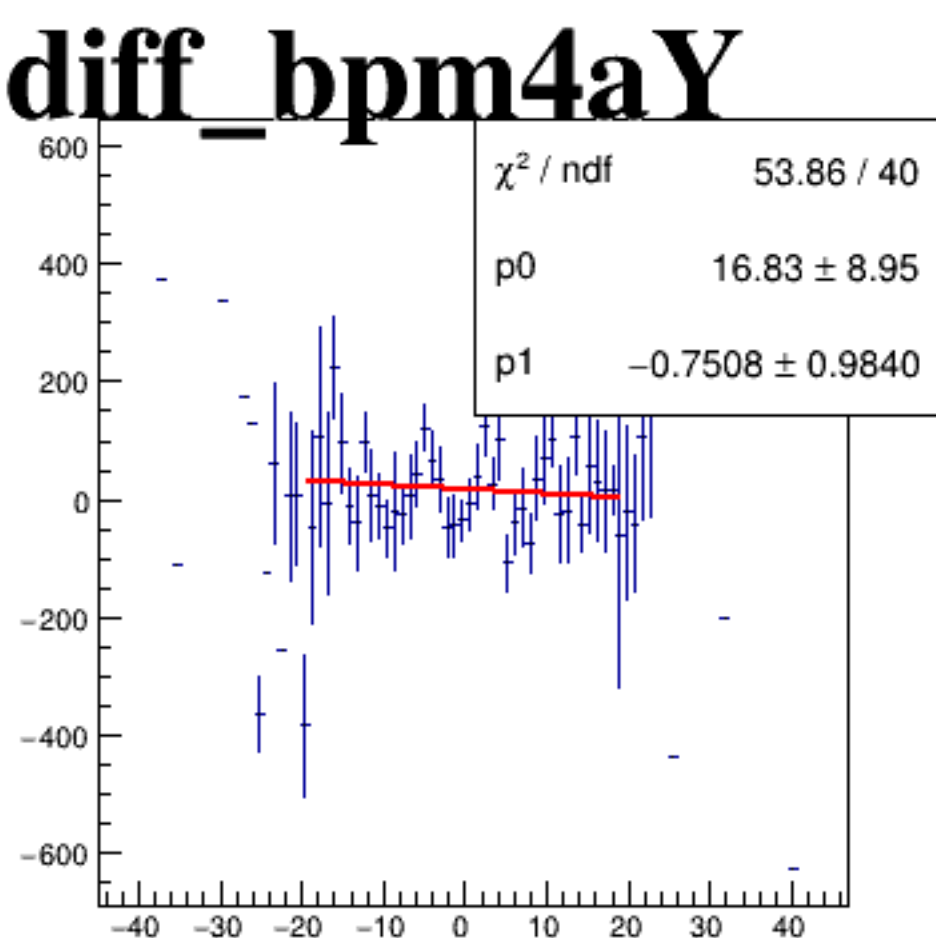
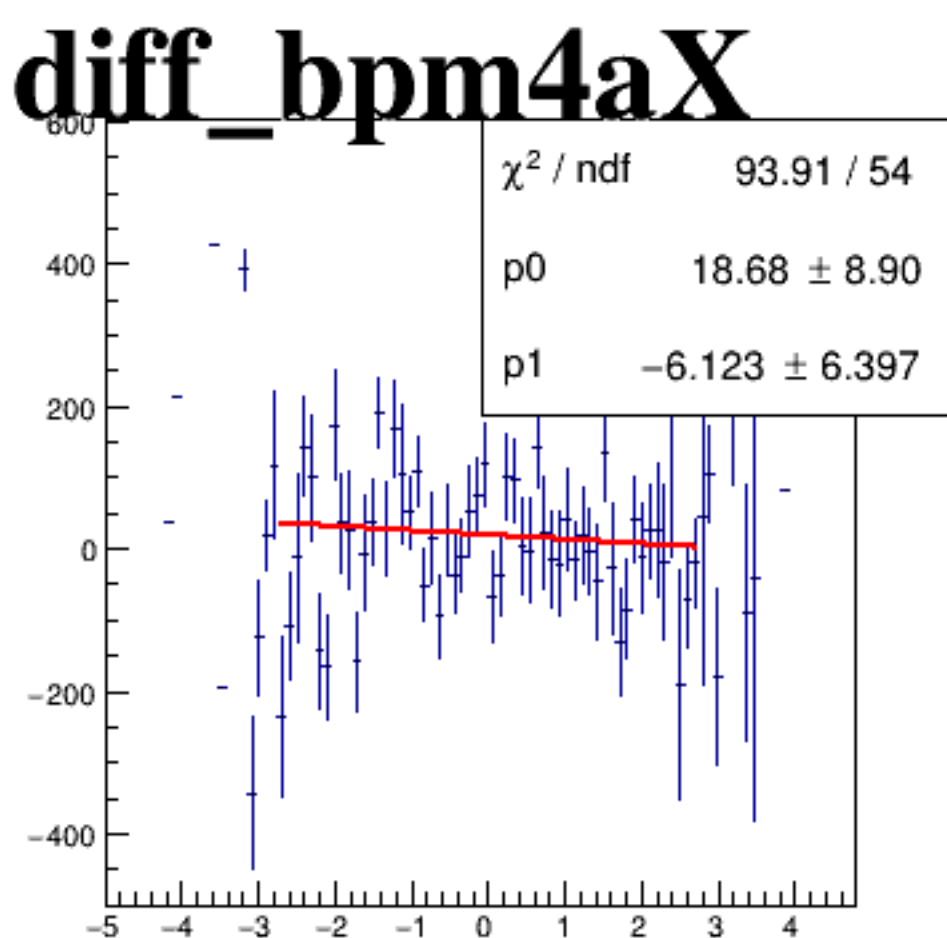
reg_asym_sam1



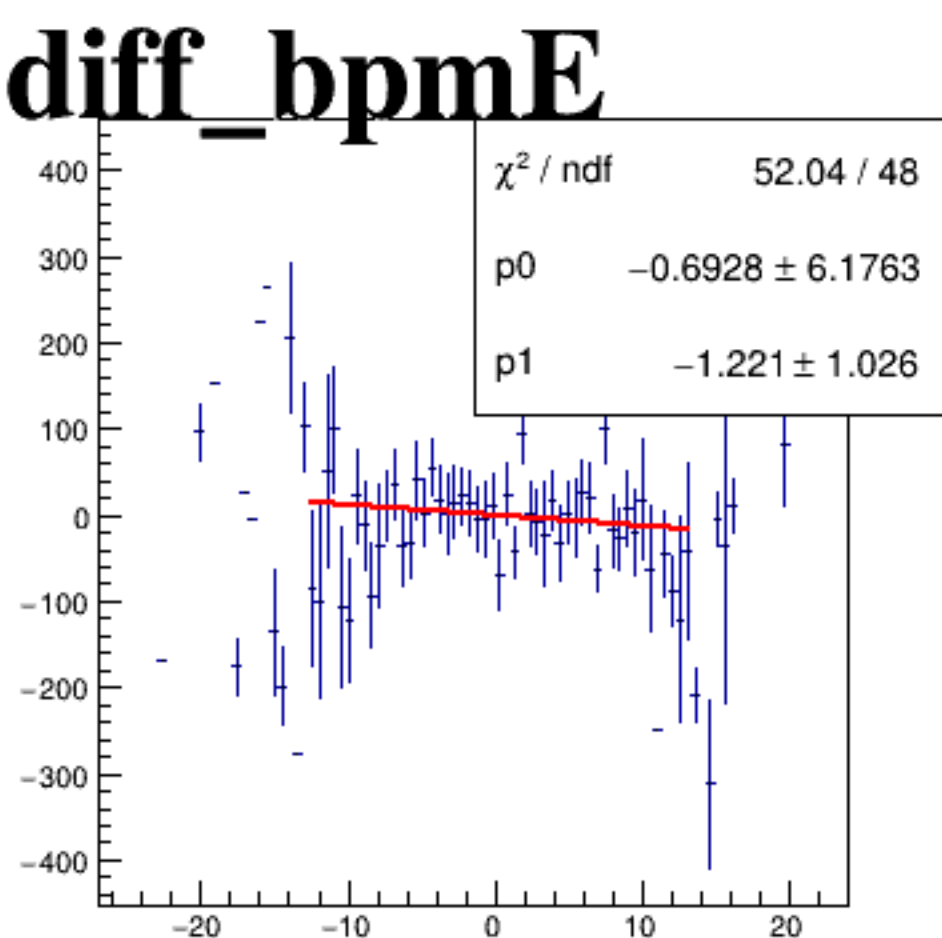
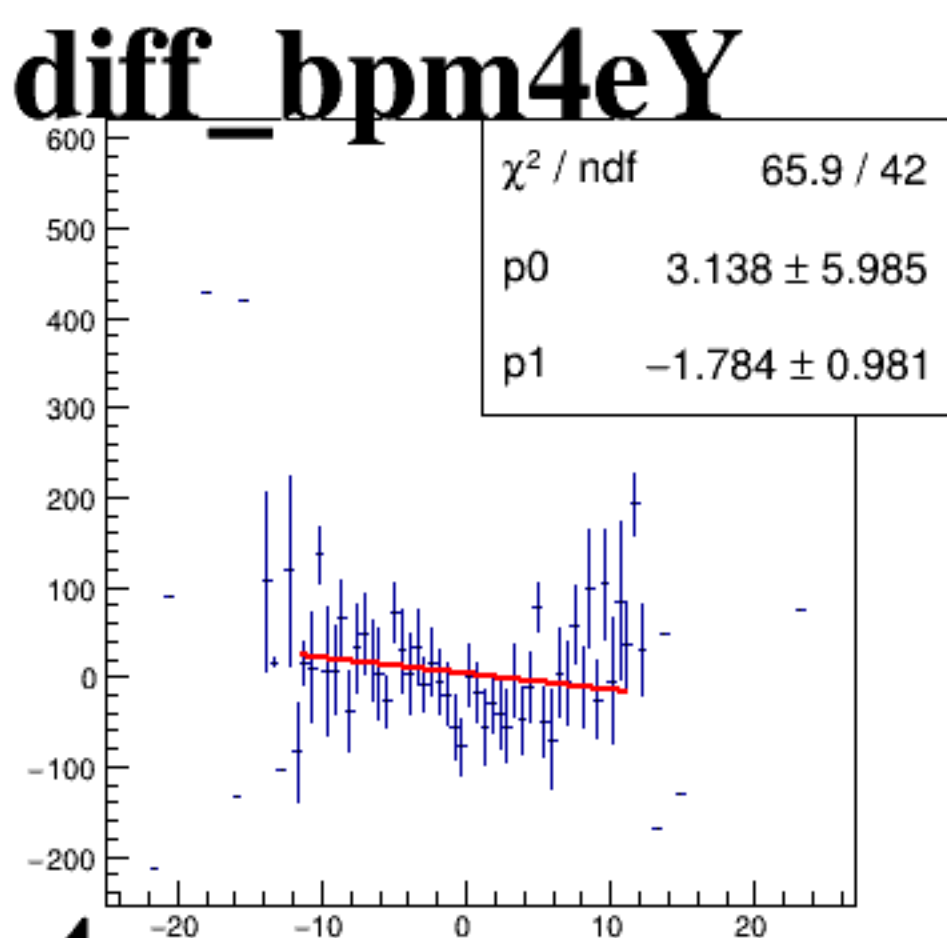
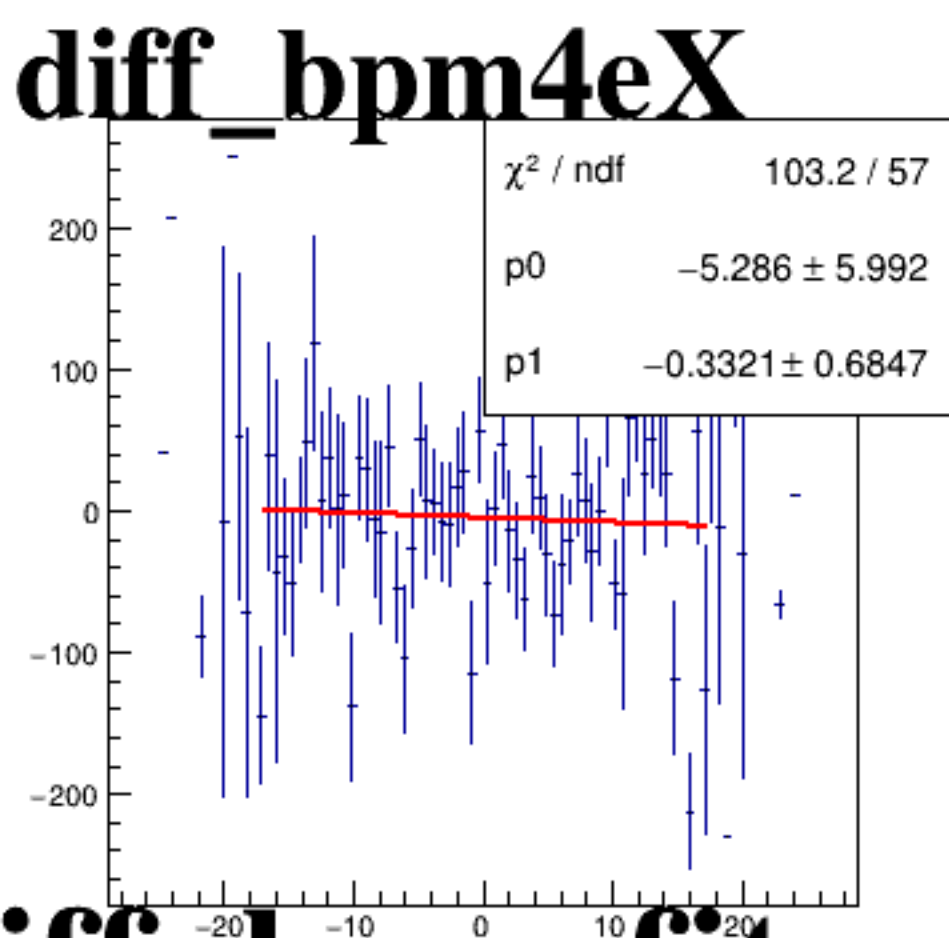
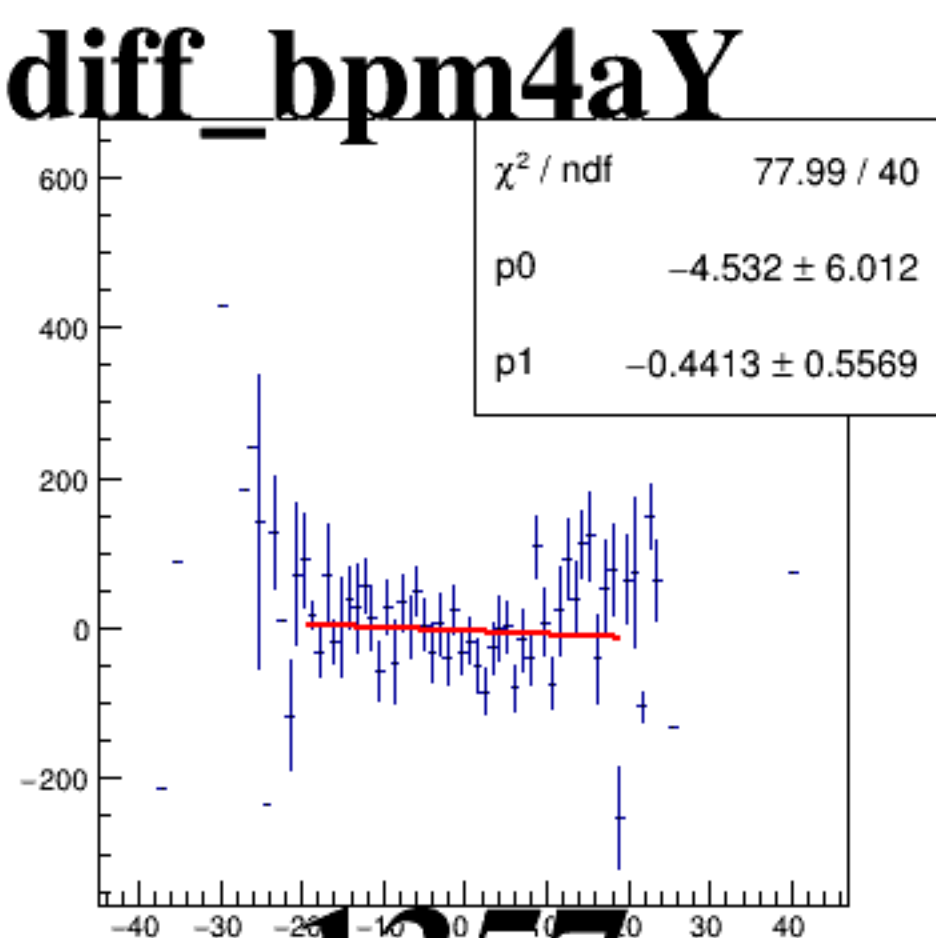
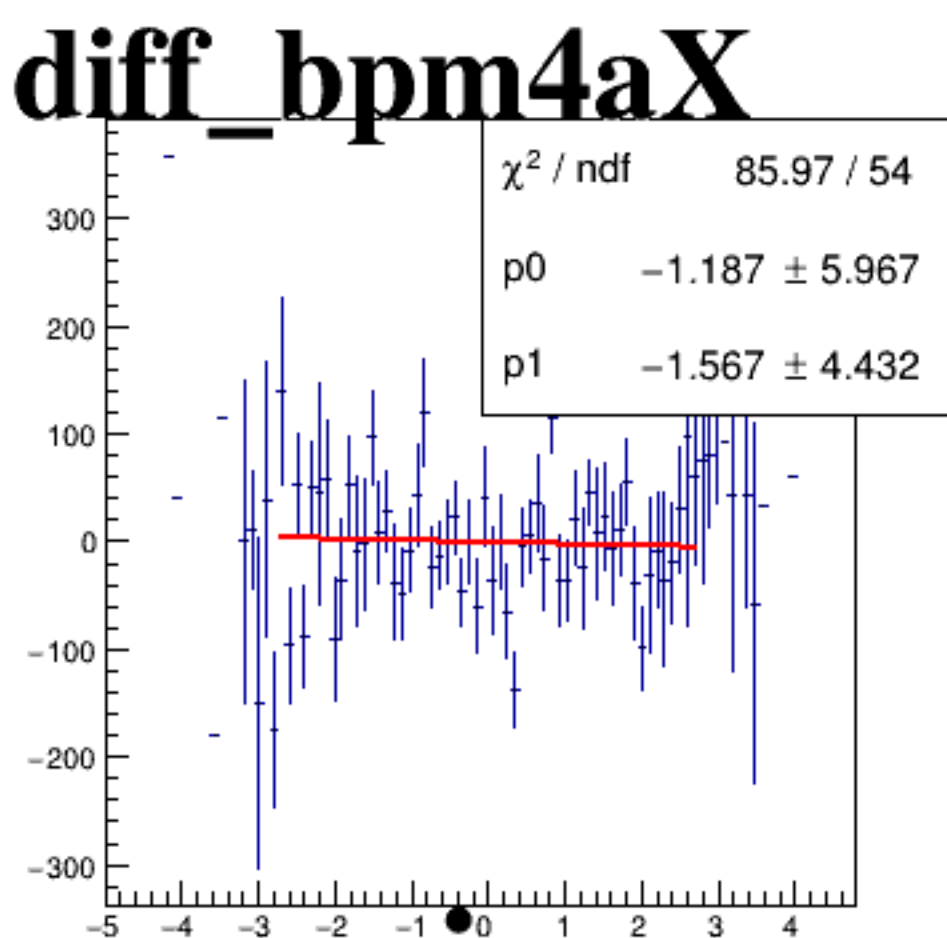
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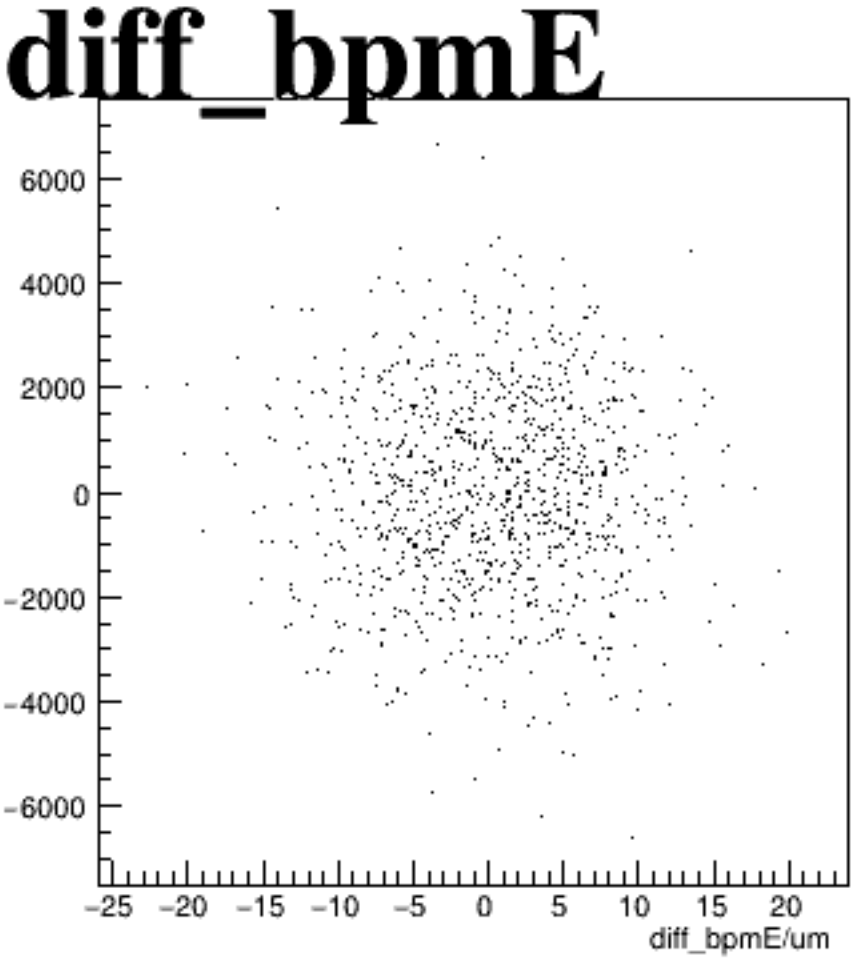
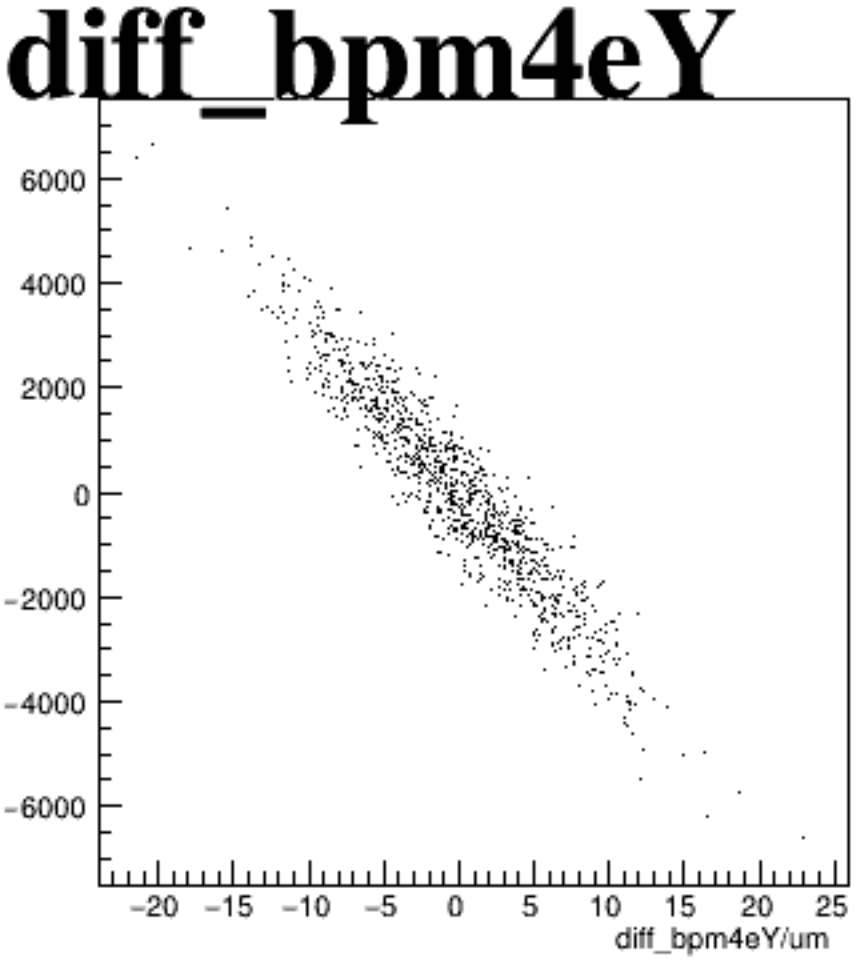
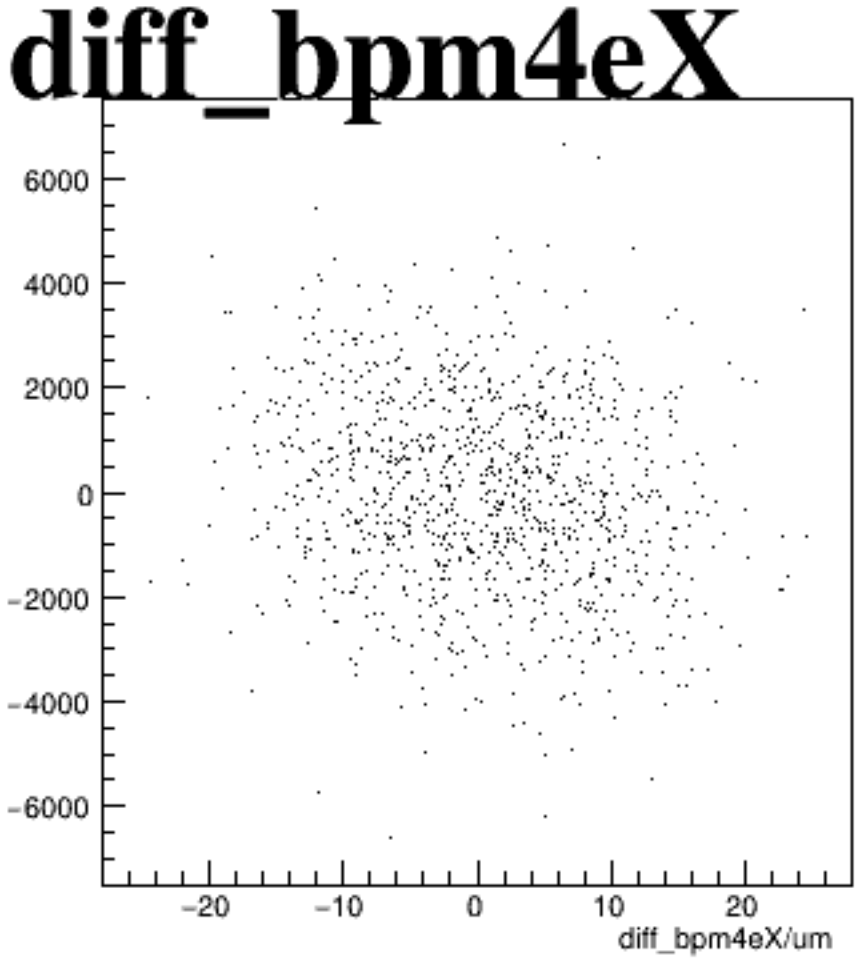
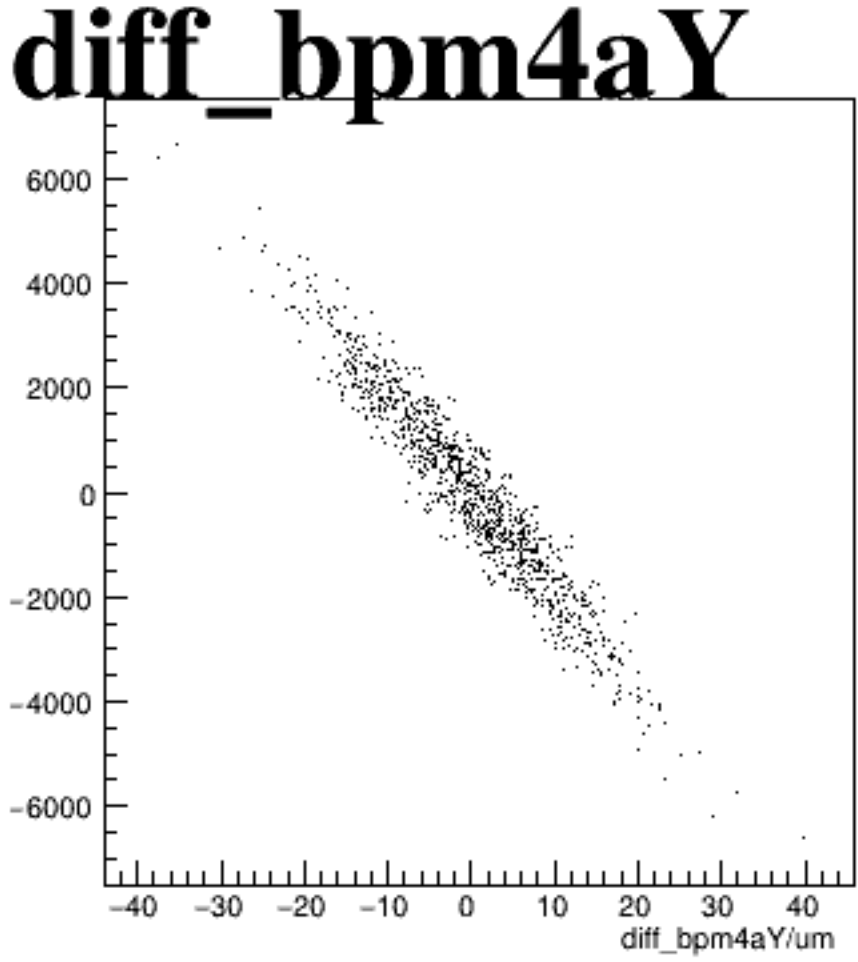
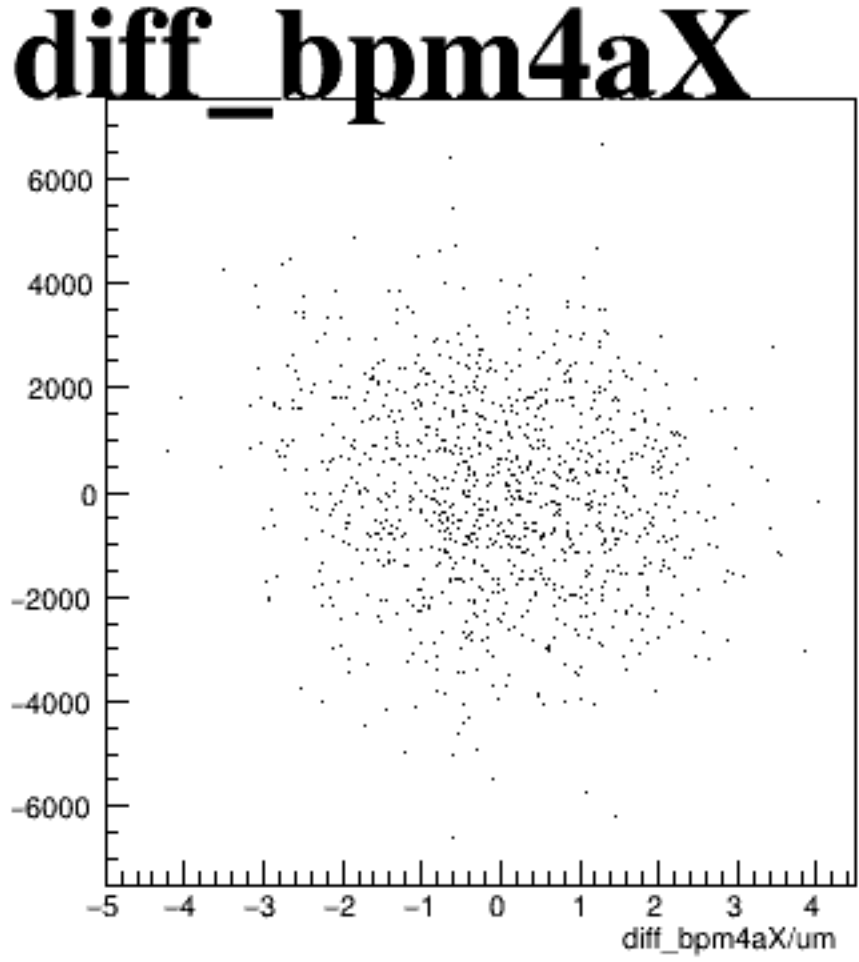
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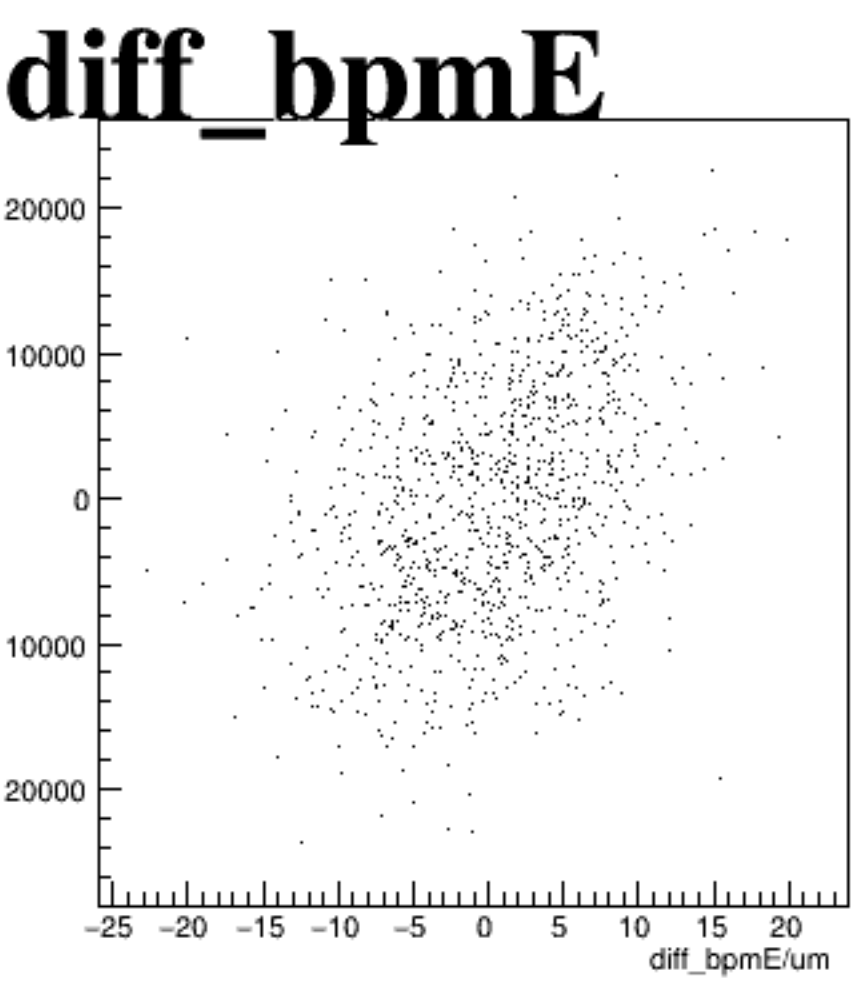
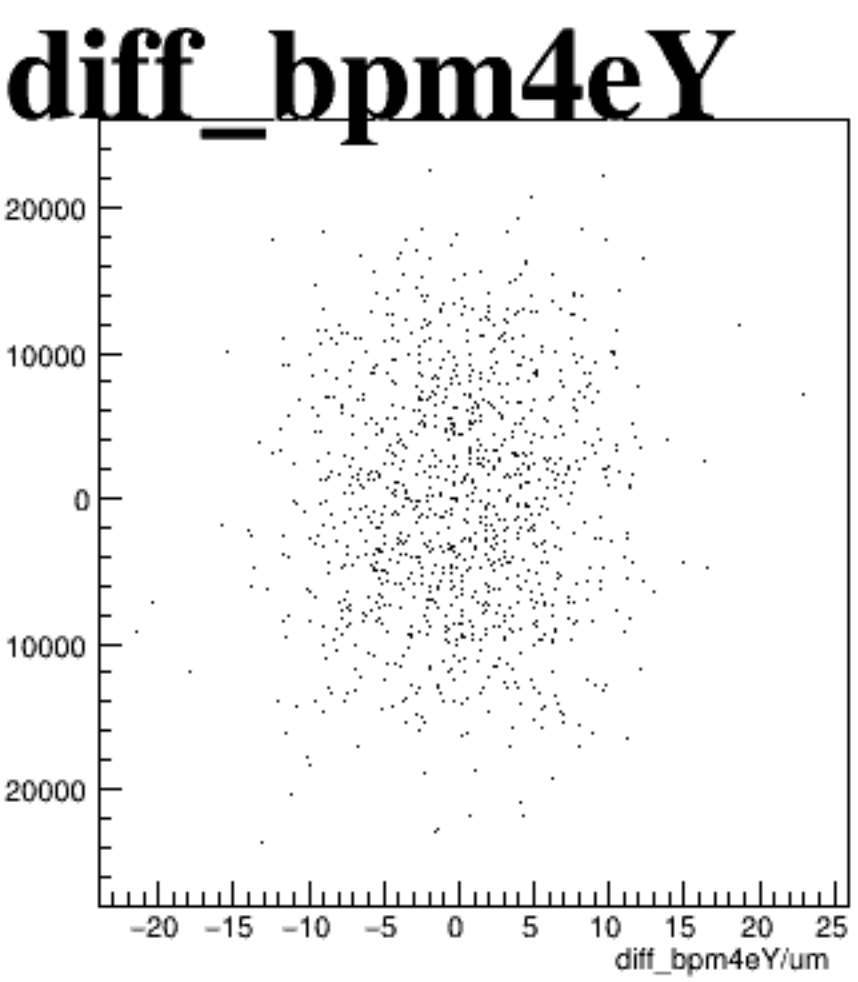
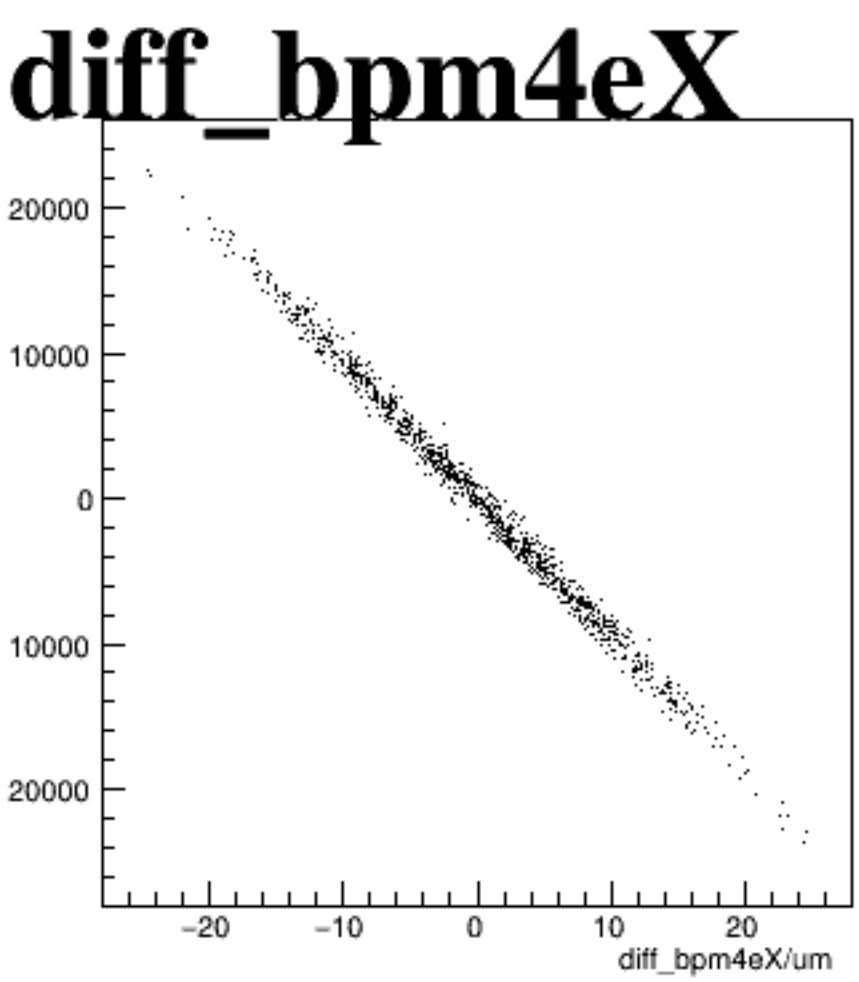
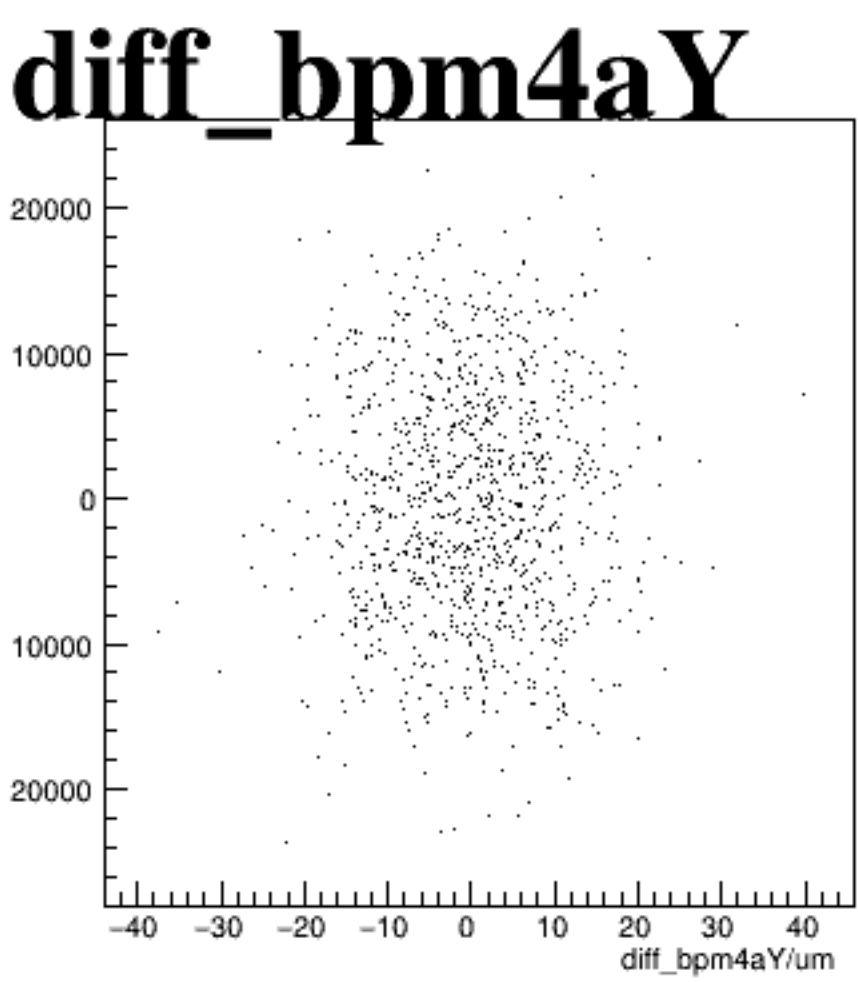
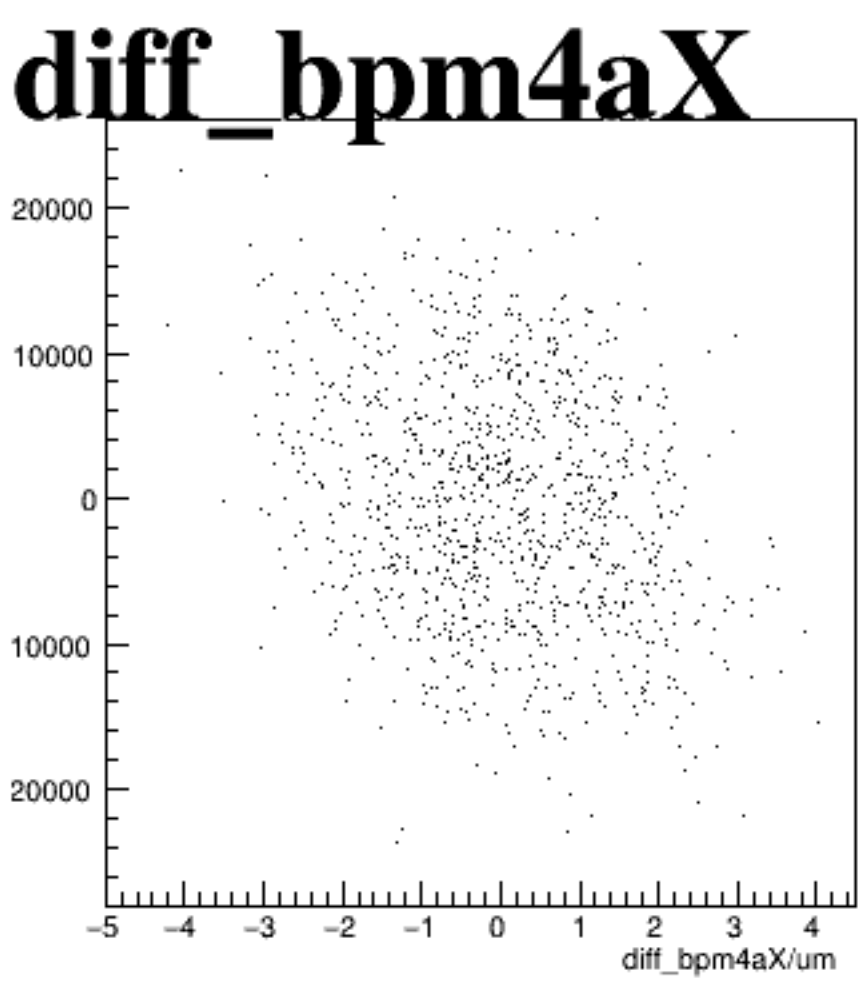
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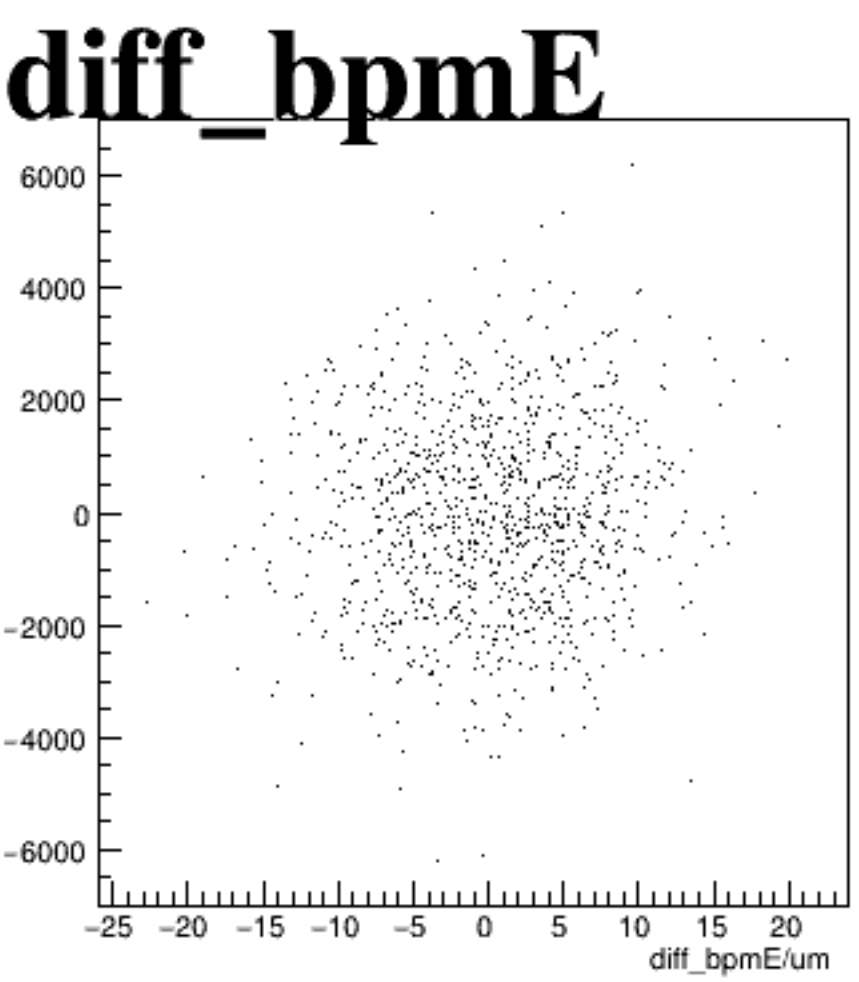
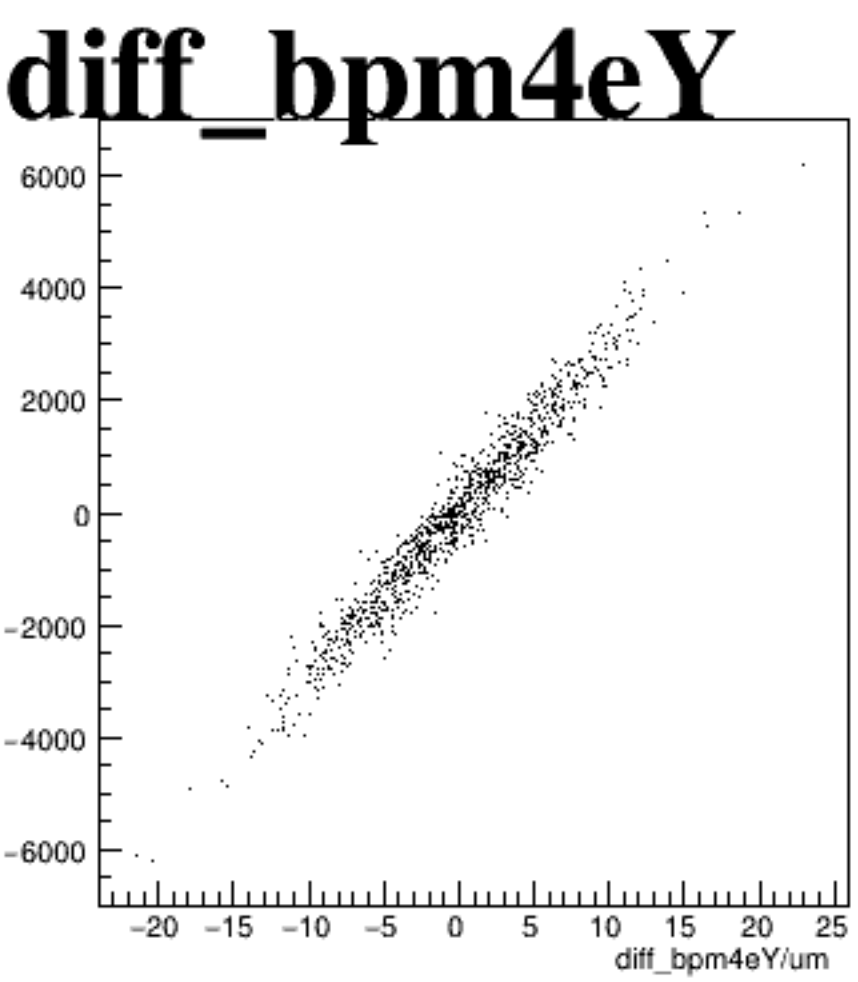
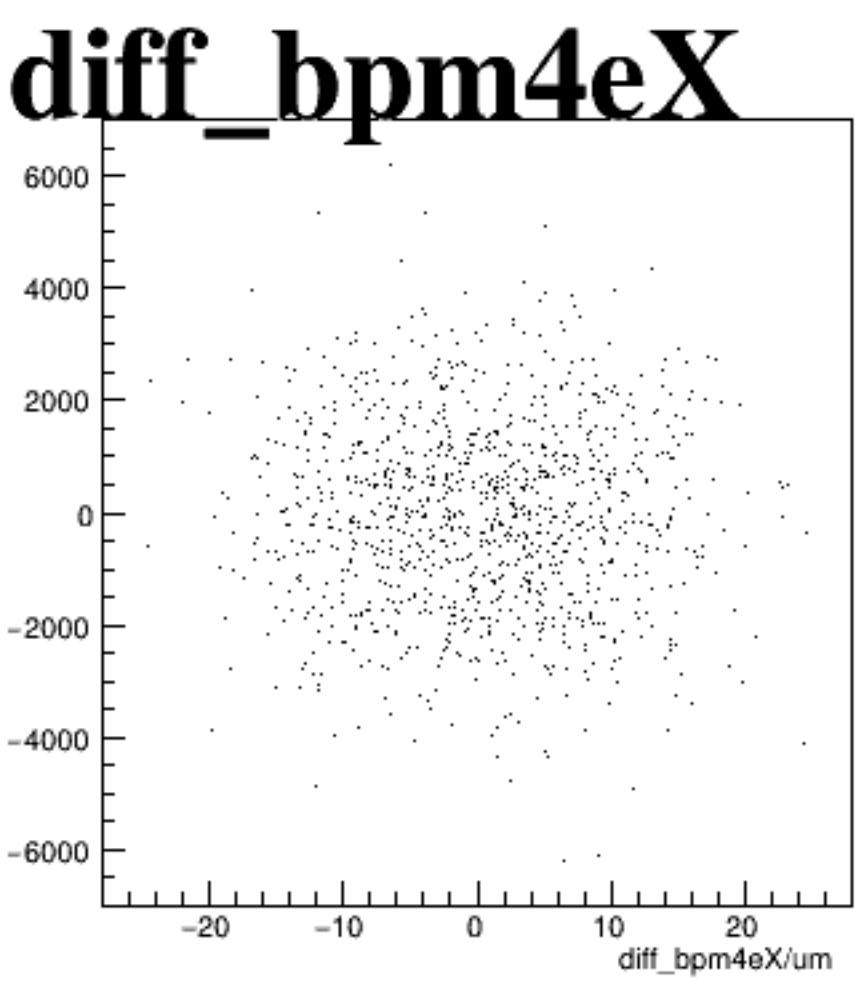
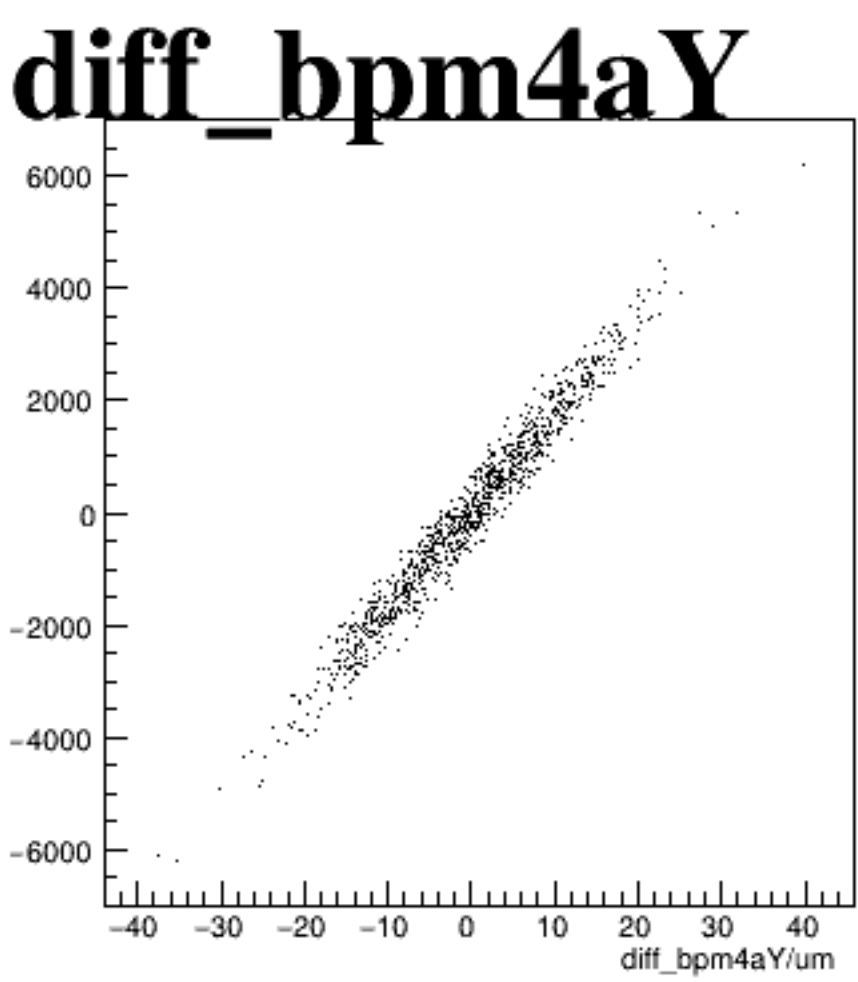
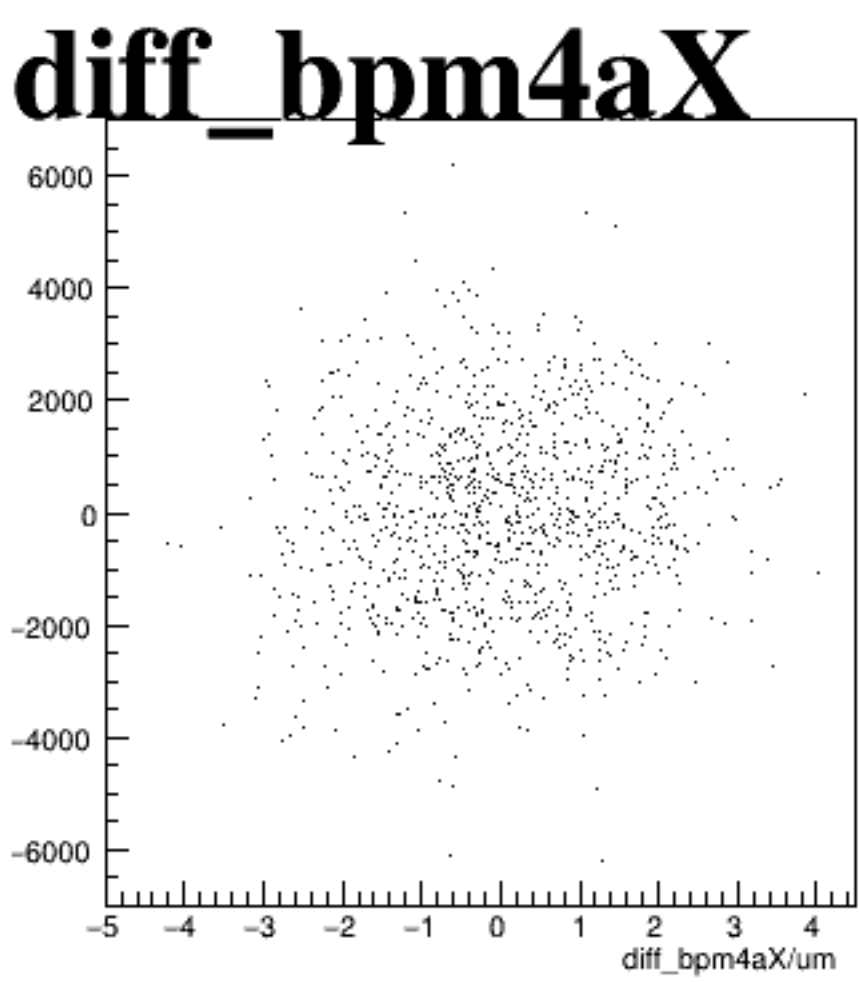
asym_sam1



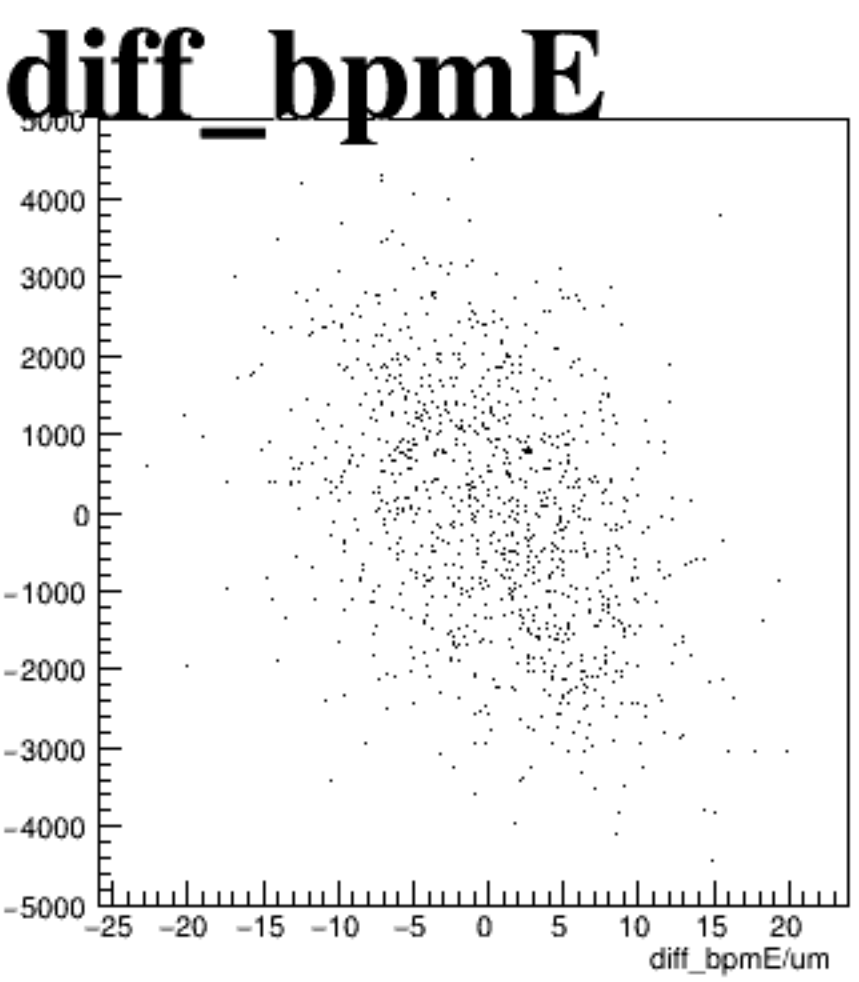
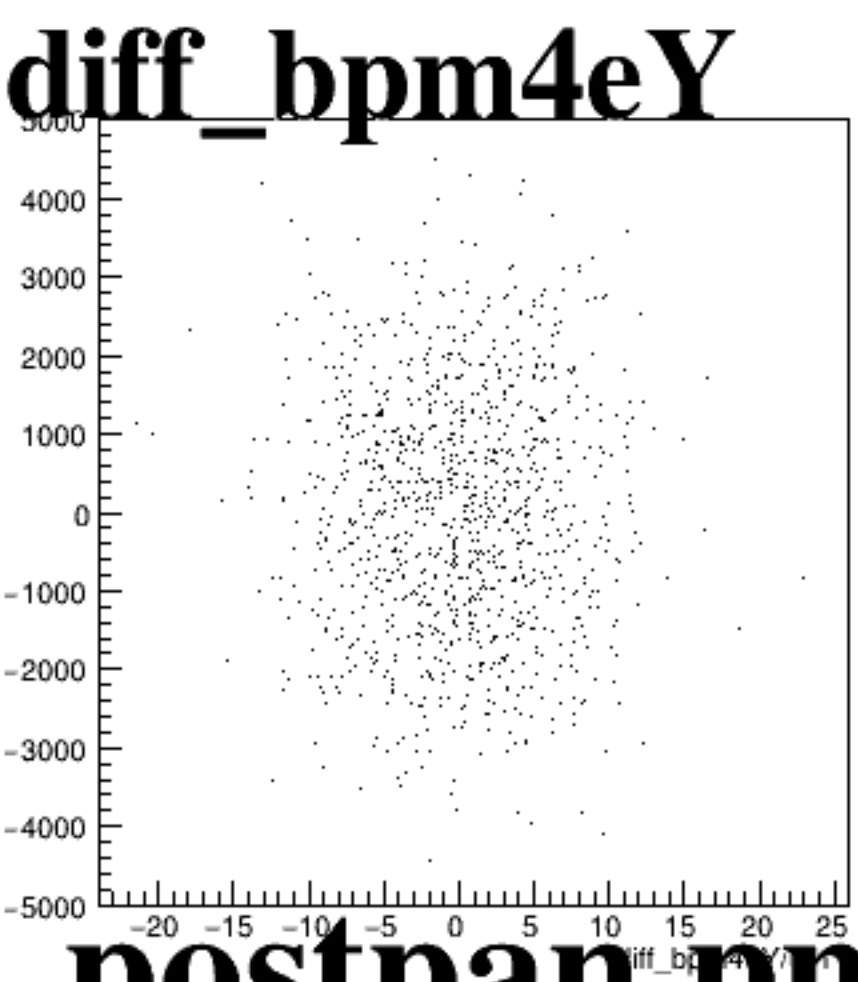
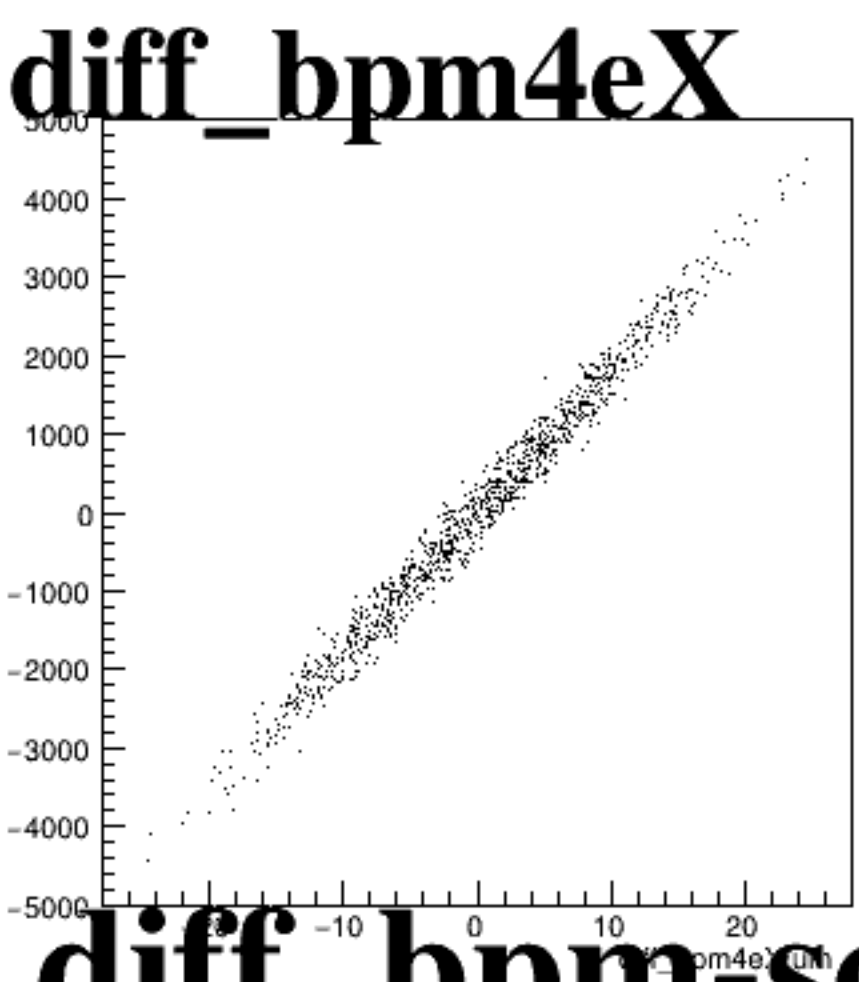
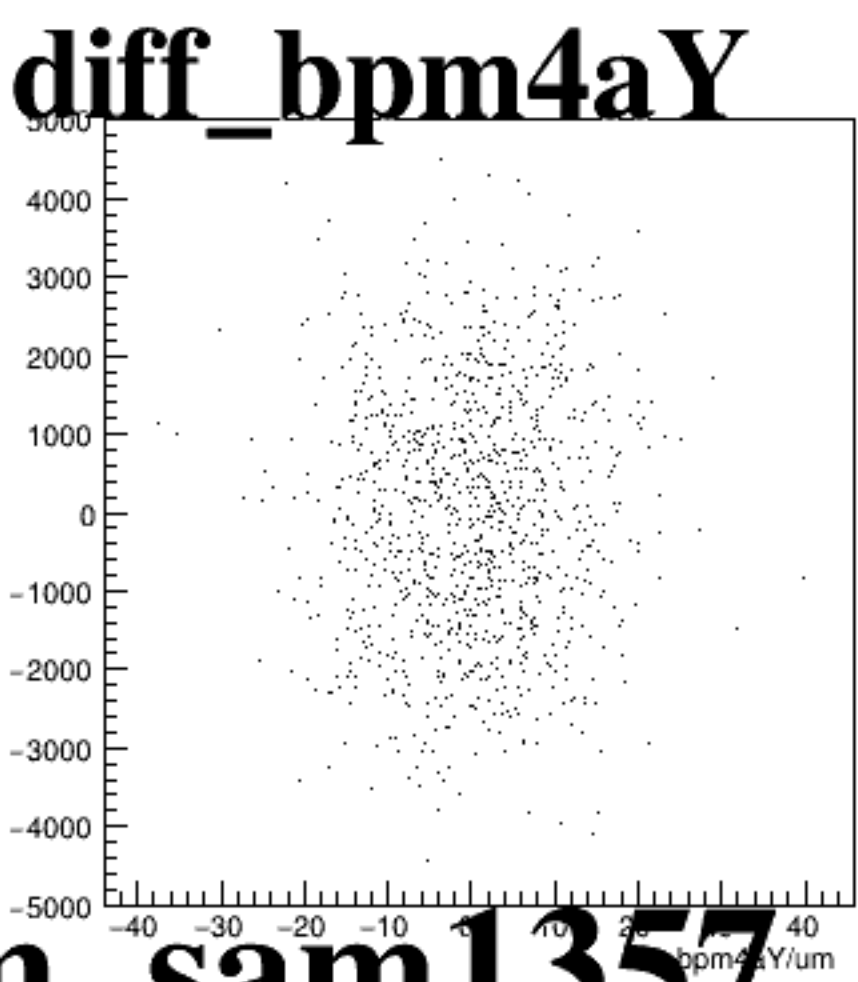
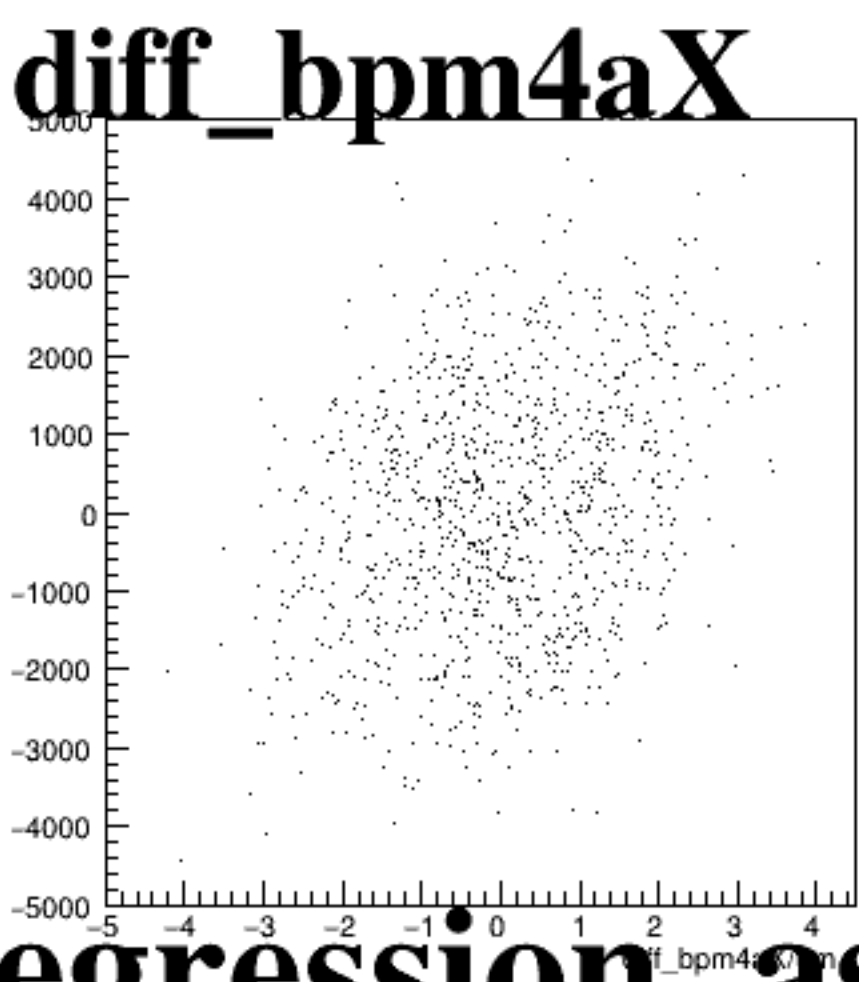
asym_sam3



asym_sam5



asym_sam7



The figure consists of five scatter plots arranged horizontally, each showing the distribution of a different variable. All plots have a y-axis ranging from -1000 to 1000. The x-axes are labeled as follows:

- diff_bpm4aX**: x-axis ranges from -5 to 4.
- diff_bpm4aY**: x-axis ranges from -40 to 40.
- diff_bpm4eX**: x-axis ranges from -20 to 20.
- diff_bpm4eY**: x-axis ranges from -20 to 25.
- diff_bpmE**: x-axis ranges from -25 to 20.

In all plots, the data points are densely clustered around the origin (0,0), with a few outliers extending to the edges of the axes.

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 -2000 to 3000. The x-axis for each plot represents the difference in BPM for that parameter, with varying ranges: diff_bpm4aX/um (-5 to 4), diff_bpm4aY/um (-40 to 40), diff_bpm4eX/um (-20 to 20), diff_bpm4eY/um (-20 to 25), and diff_bpmE/um (-25 to 20). All plots show a dense cloud of points centered around zero, indicating minimal difference between the two configurations.