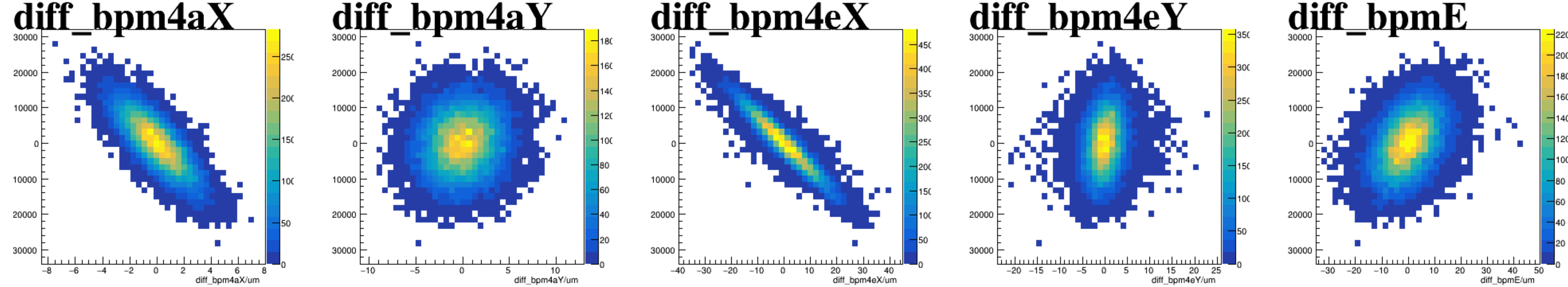
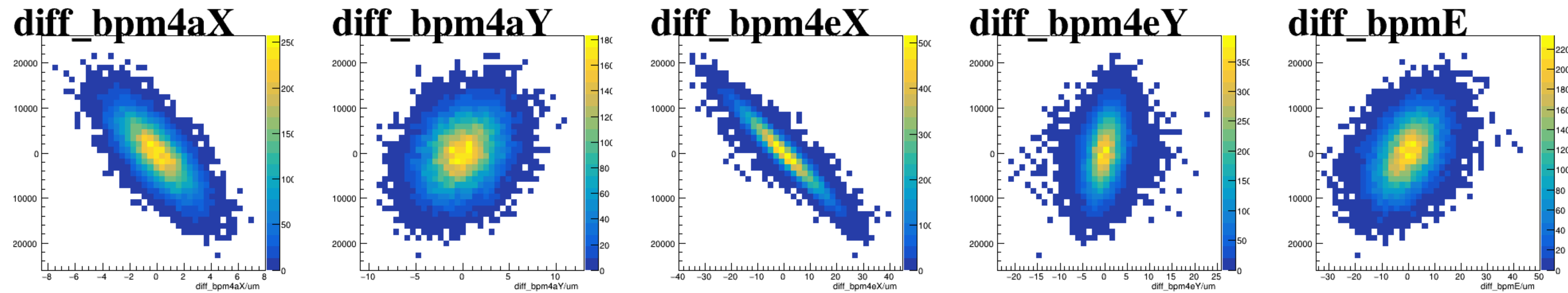


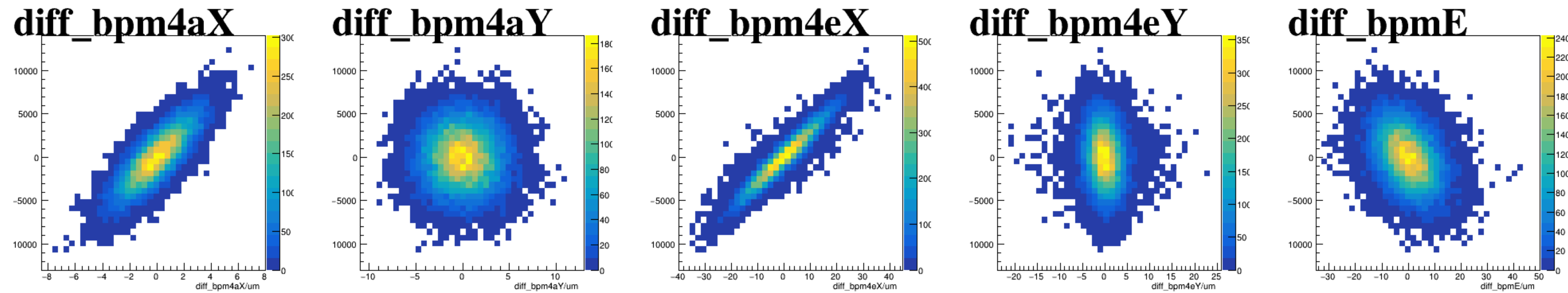
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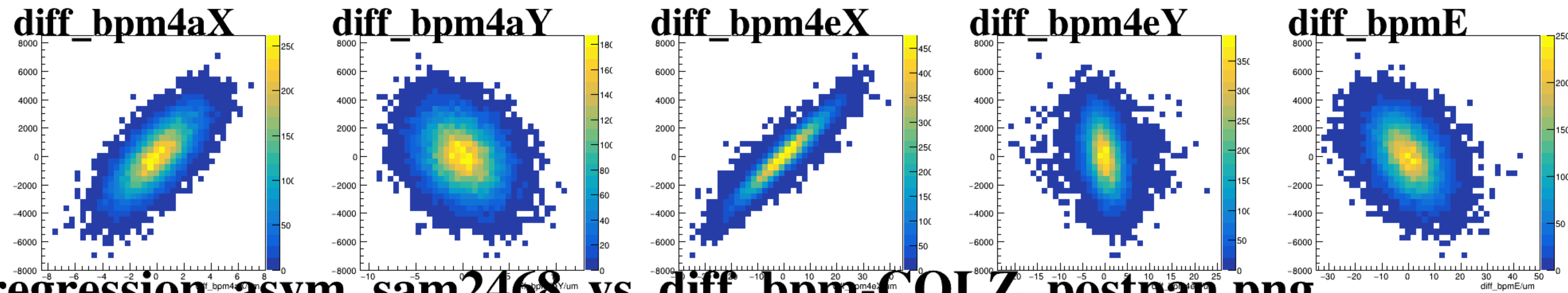
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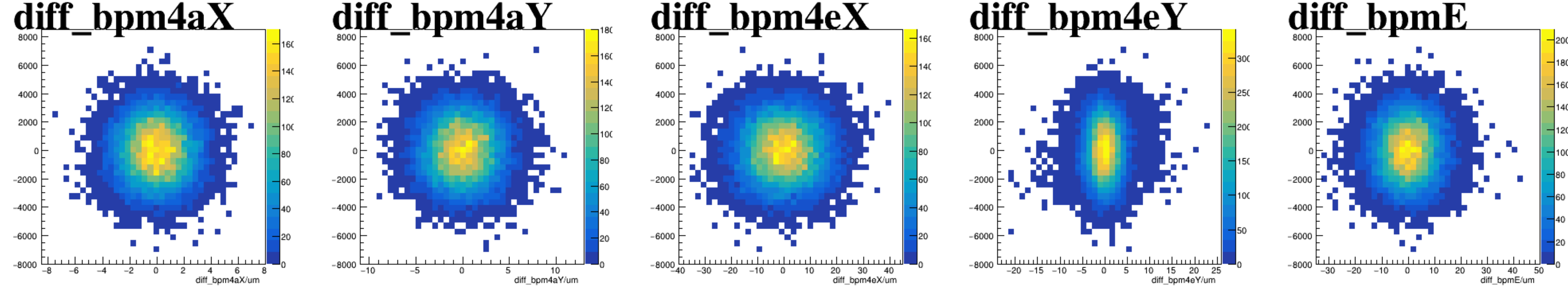
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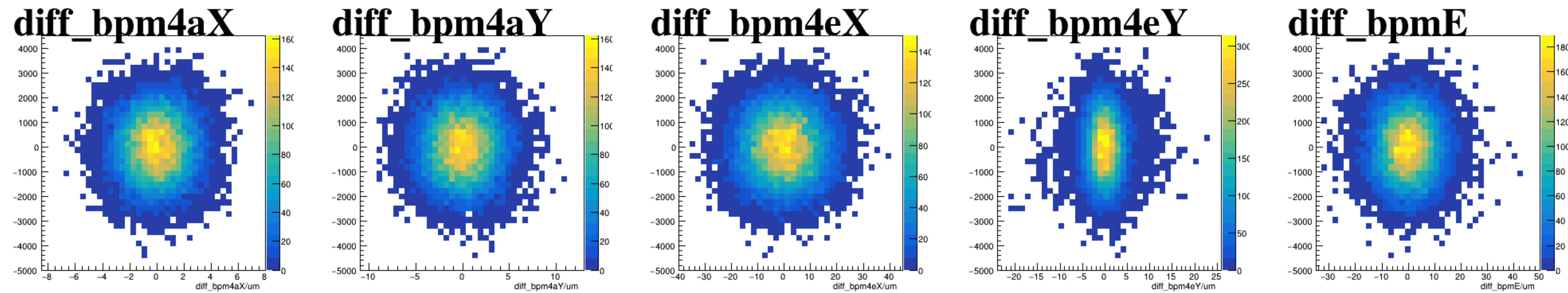
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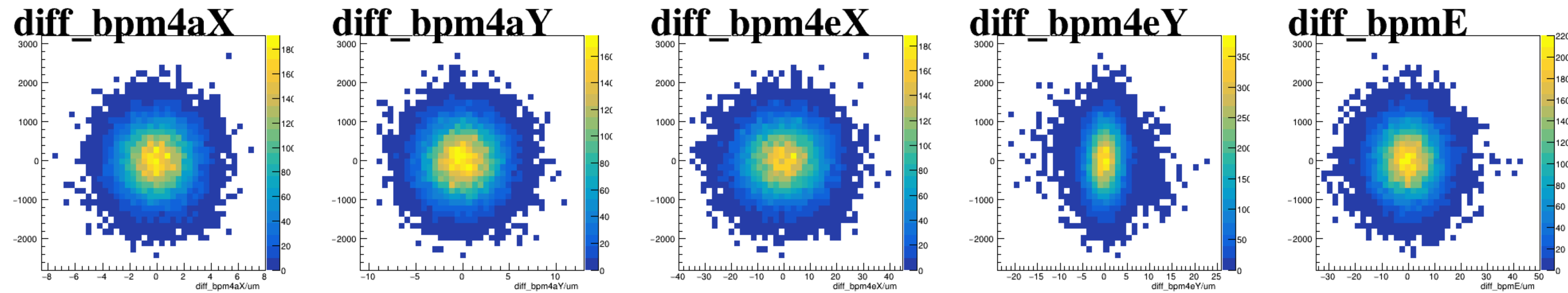
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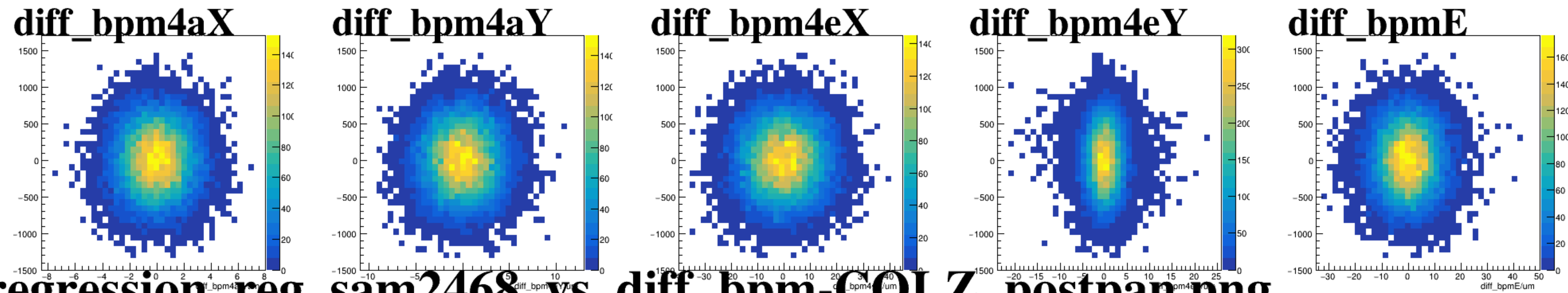
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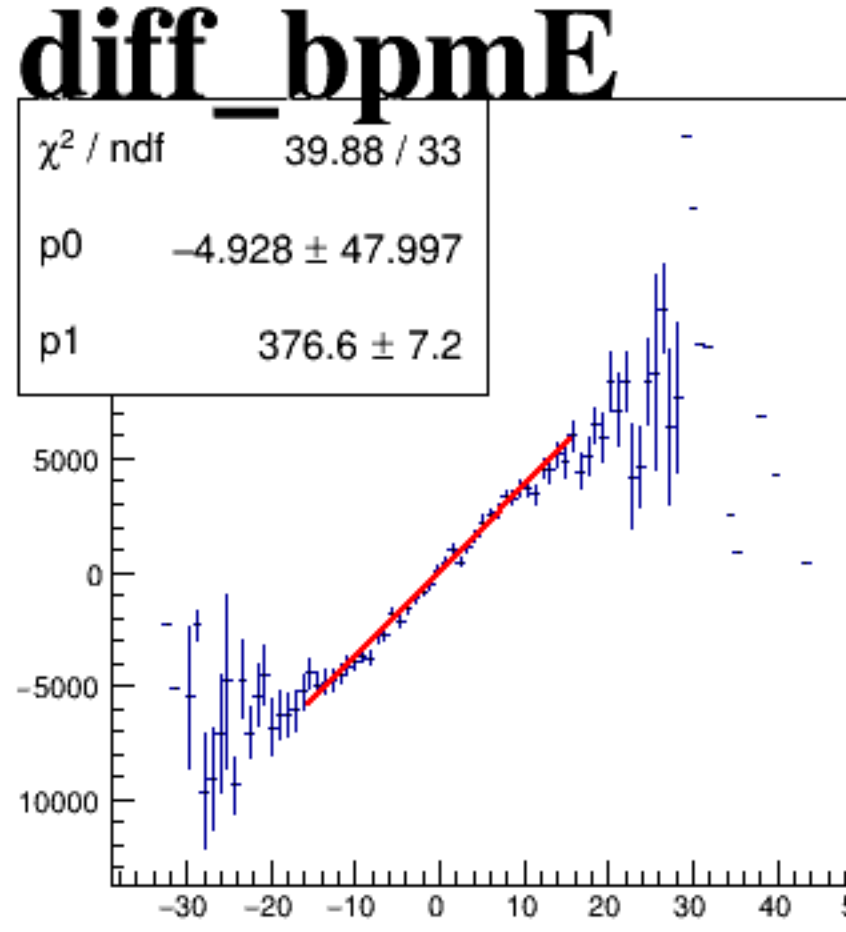
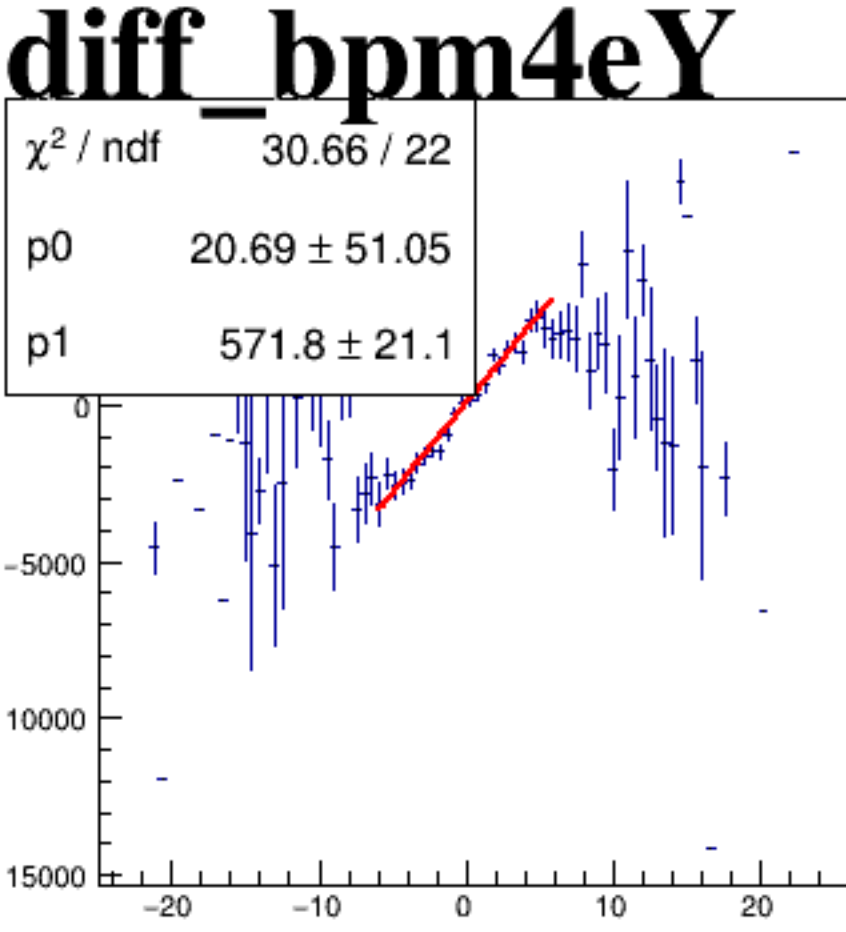
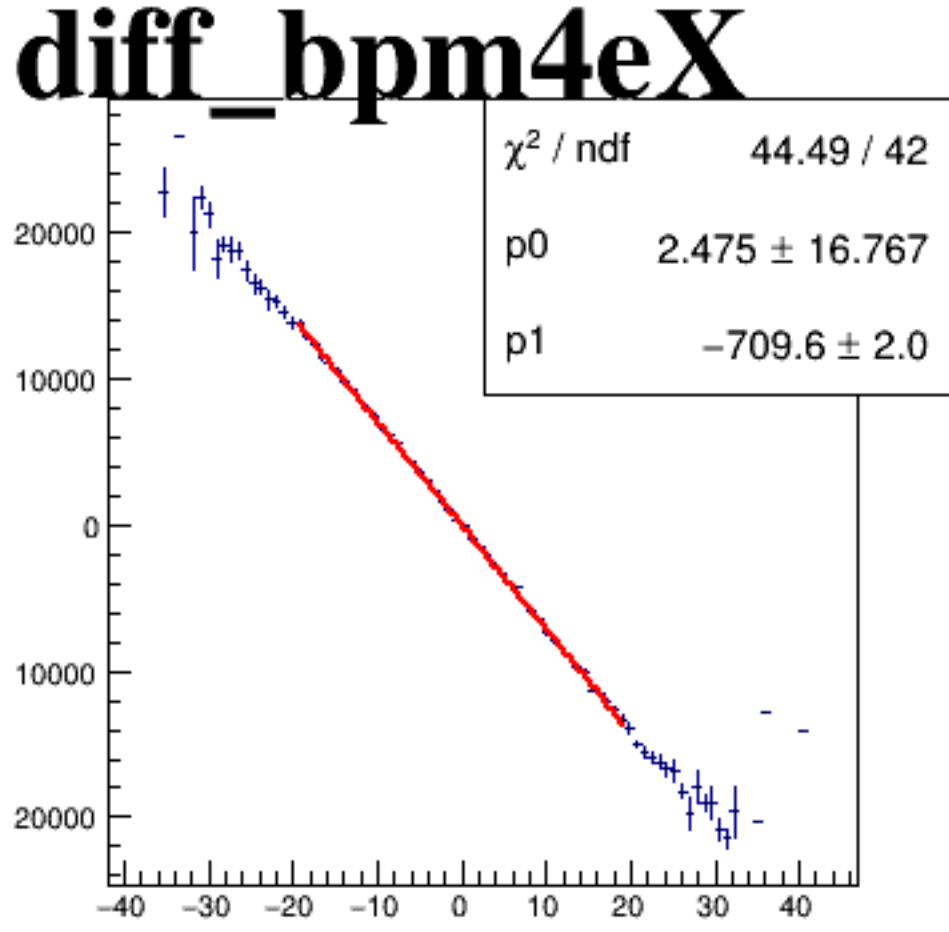
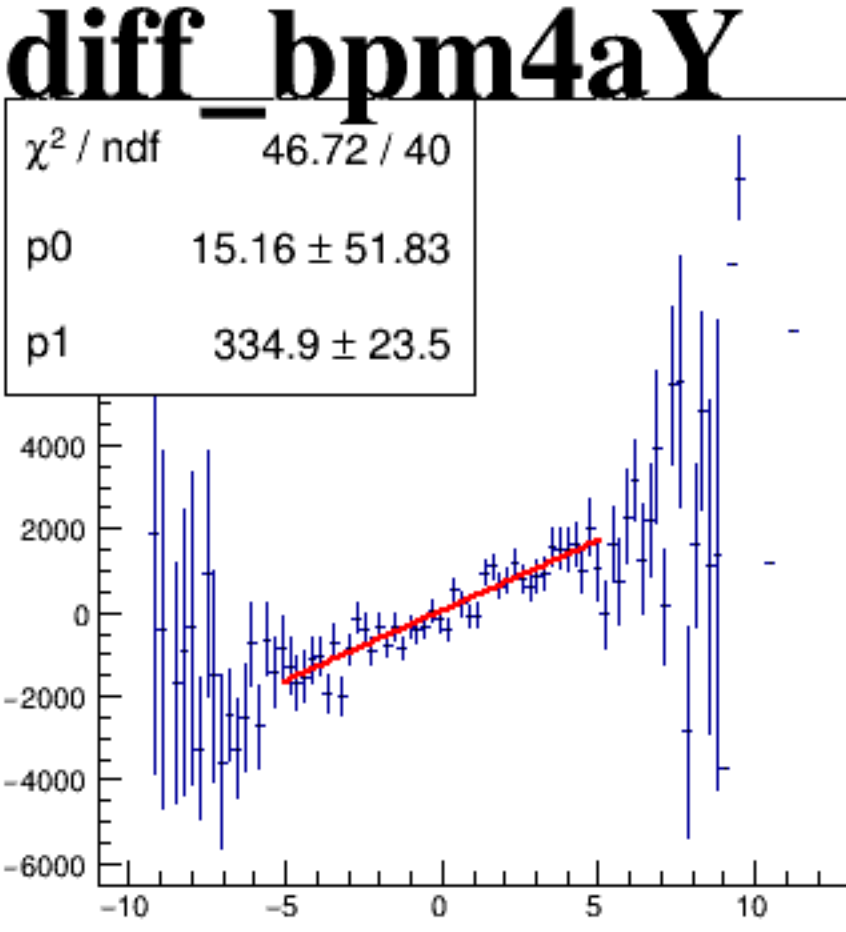
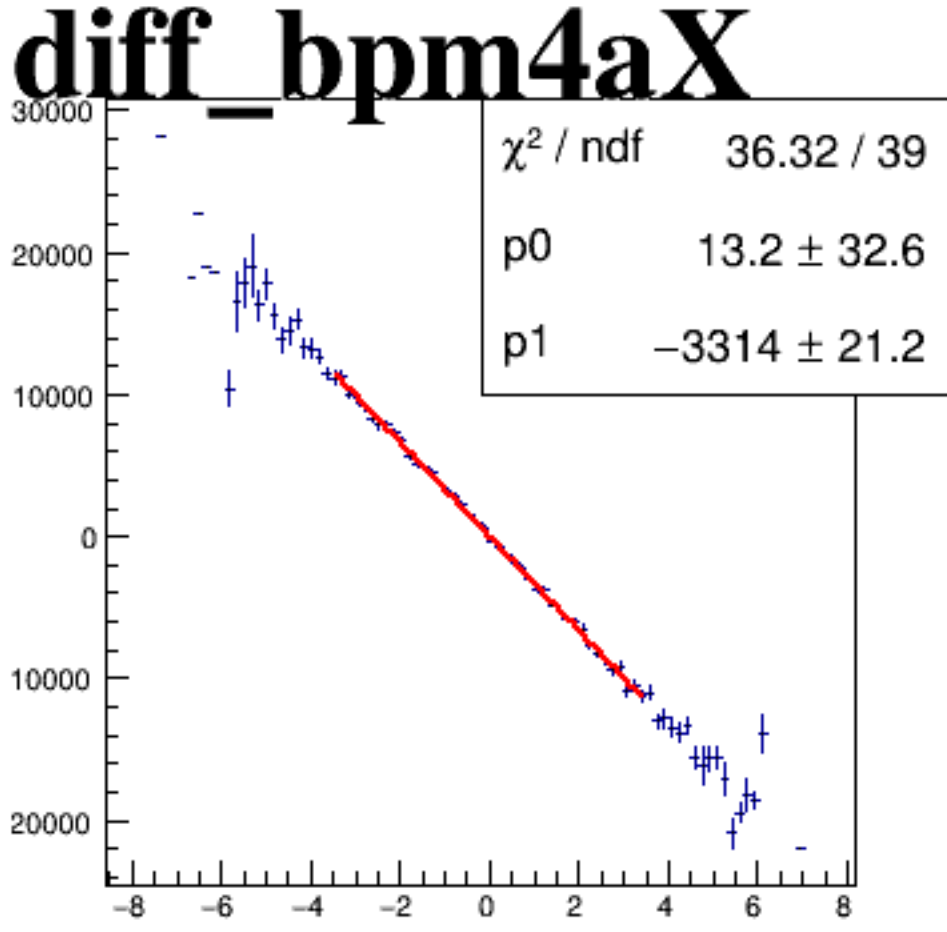
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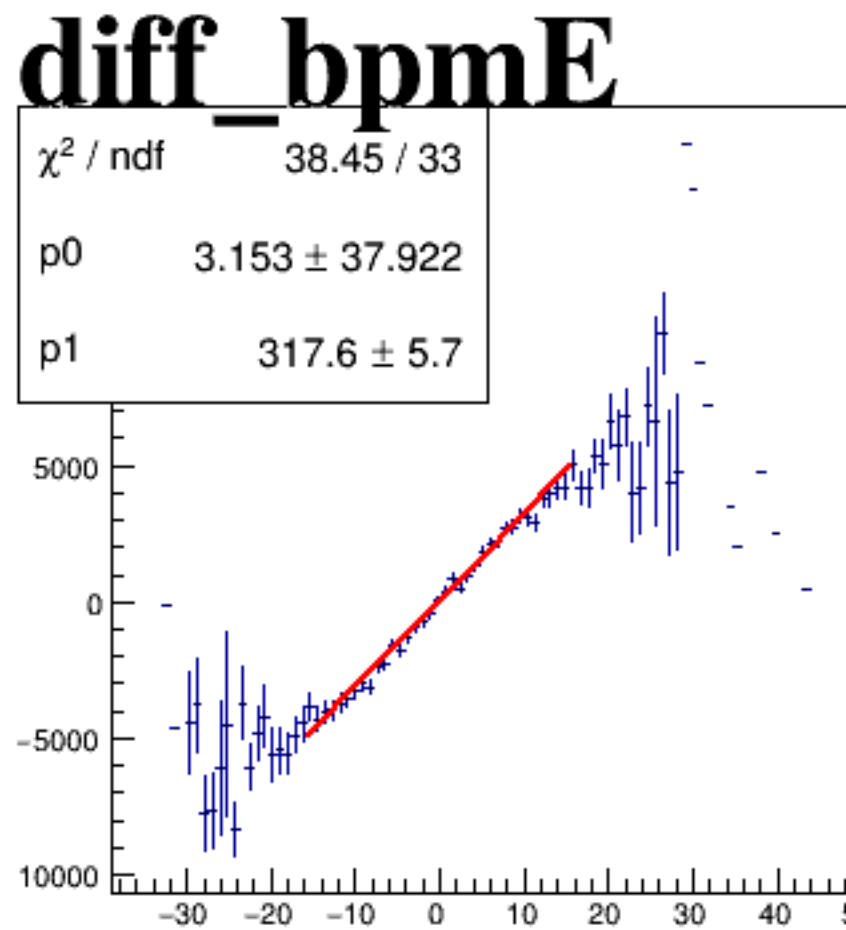
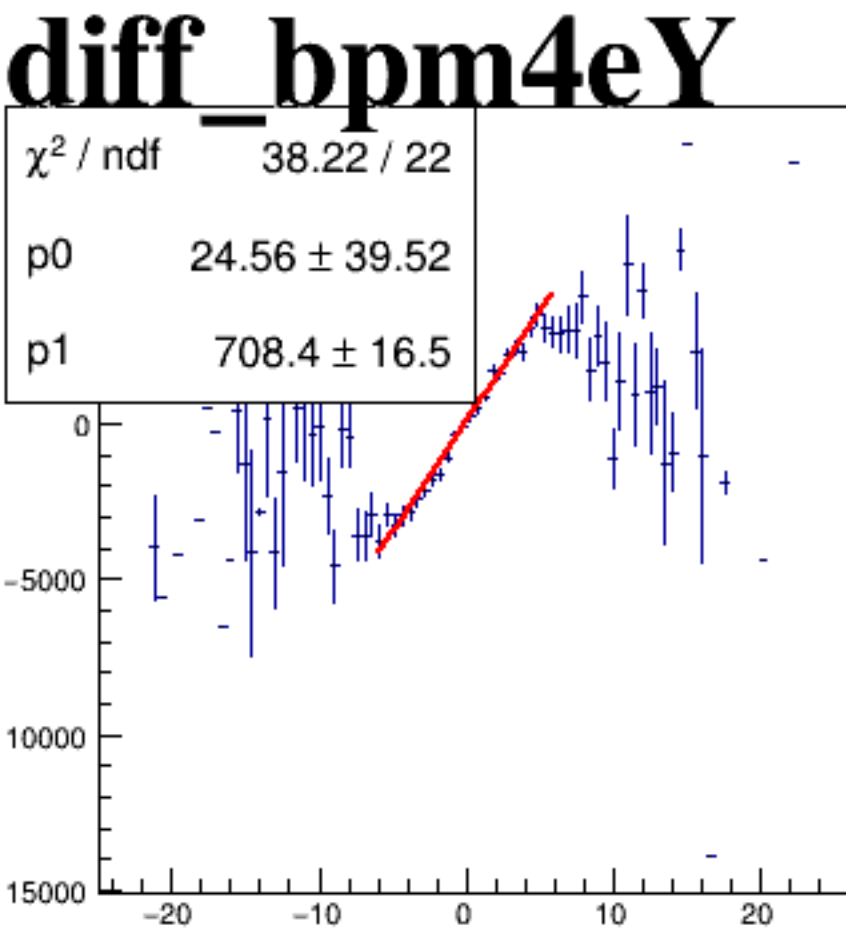
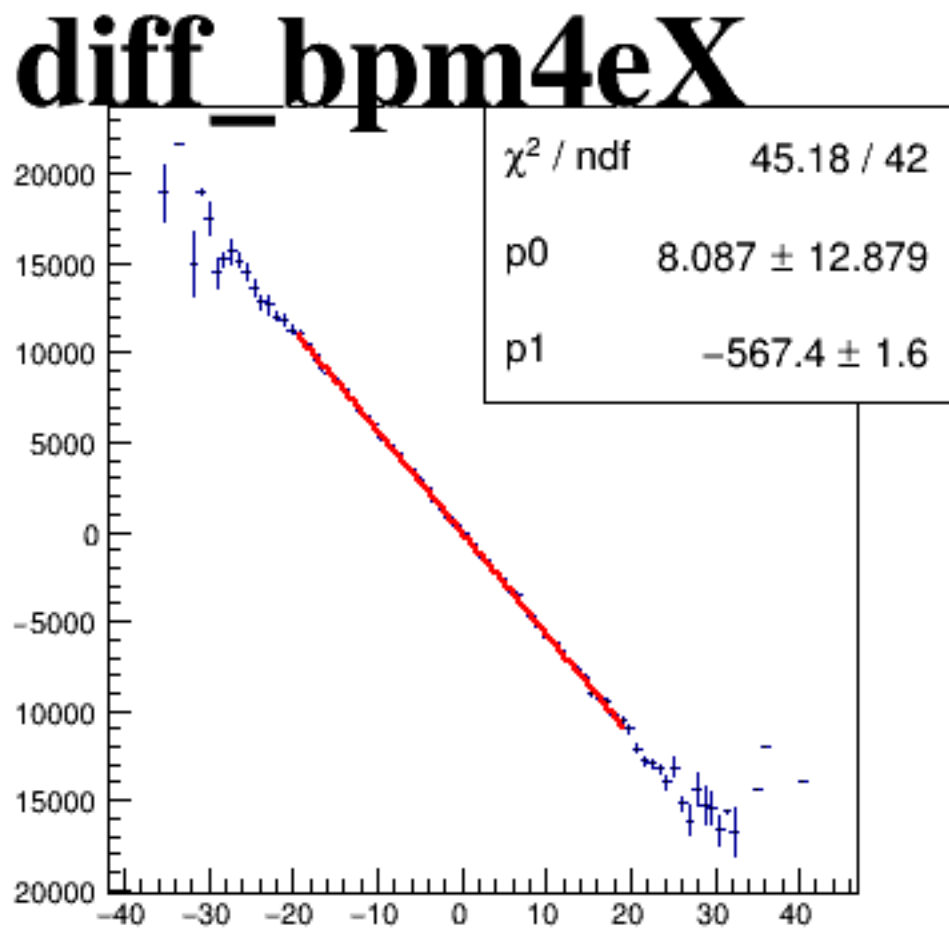
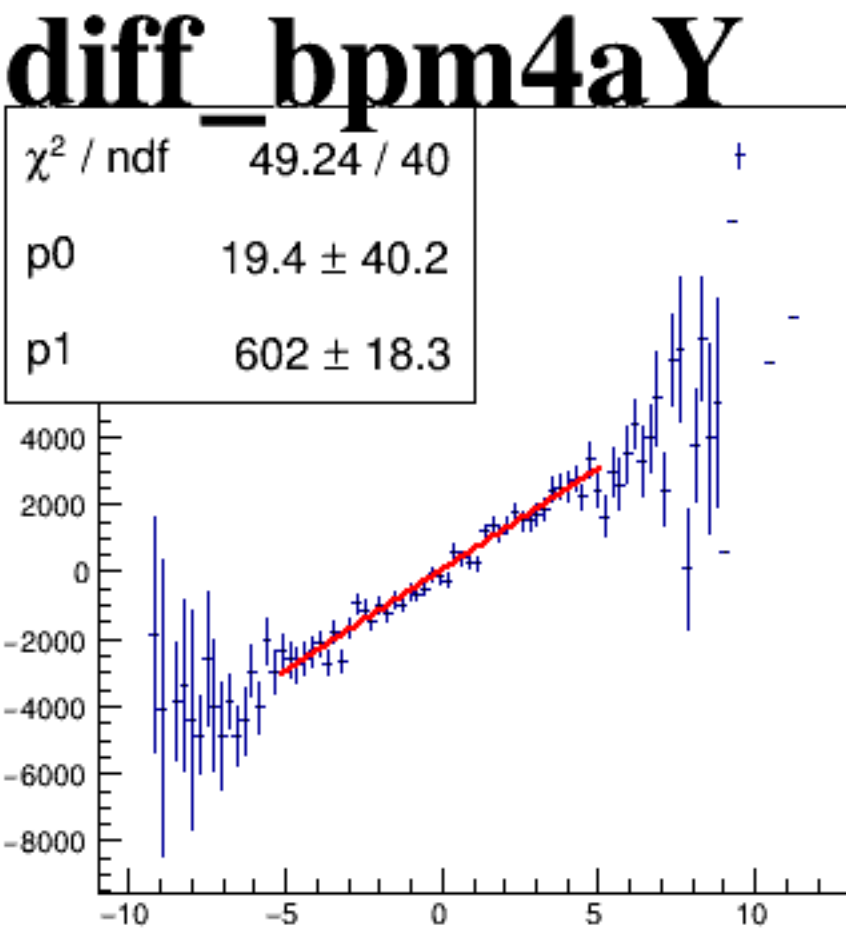
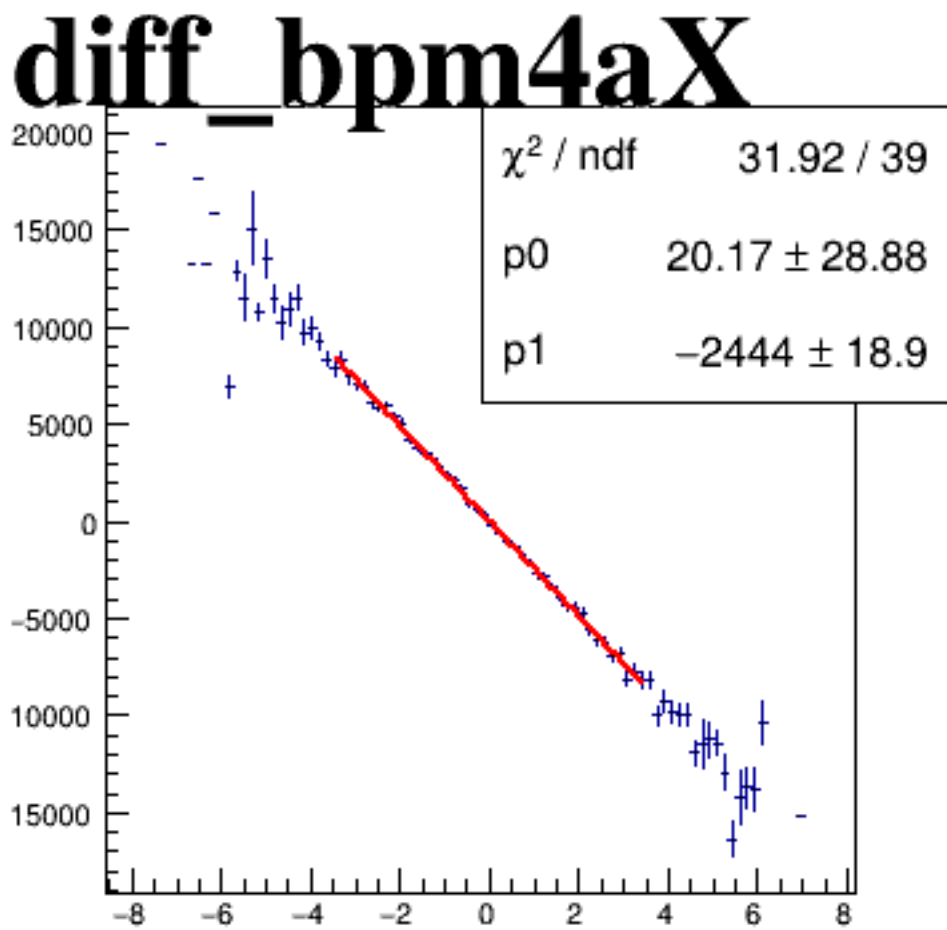
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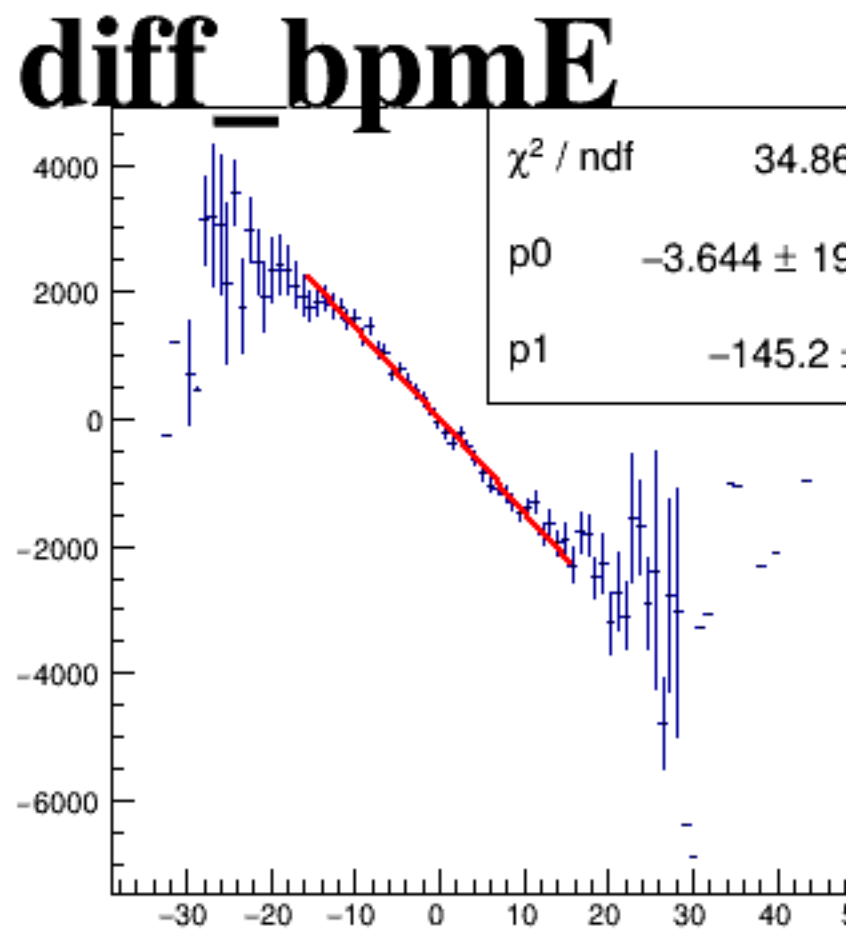
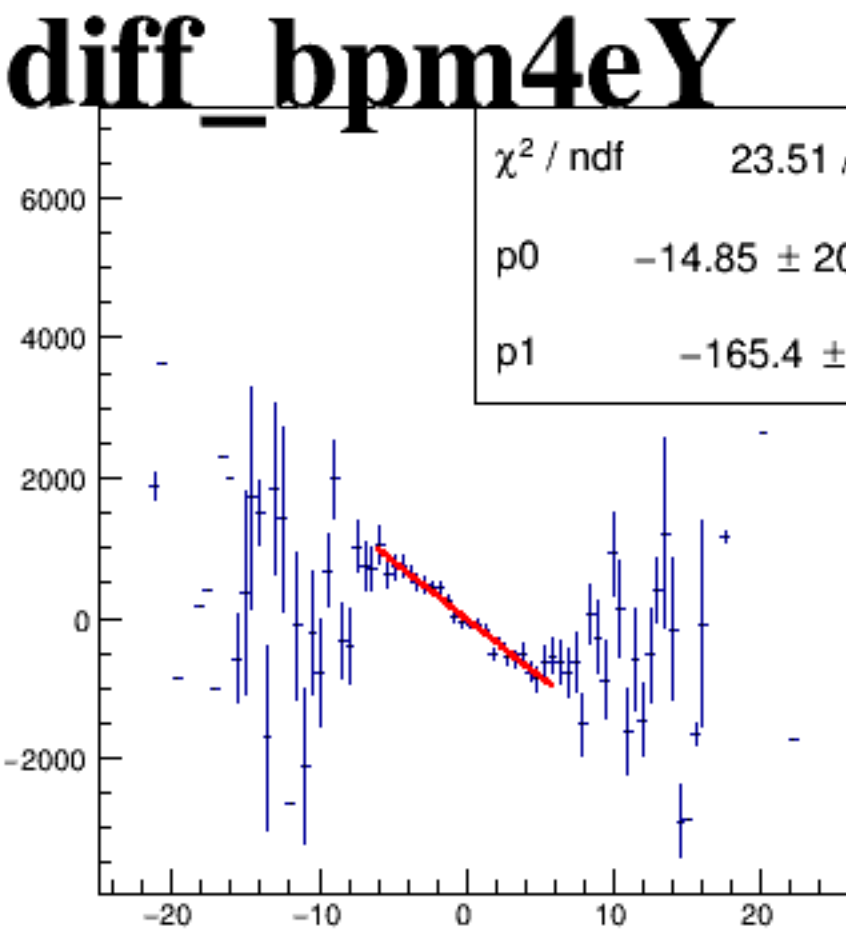
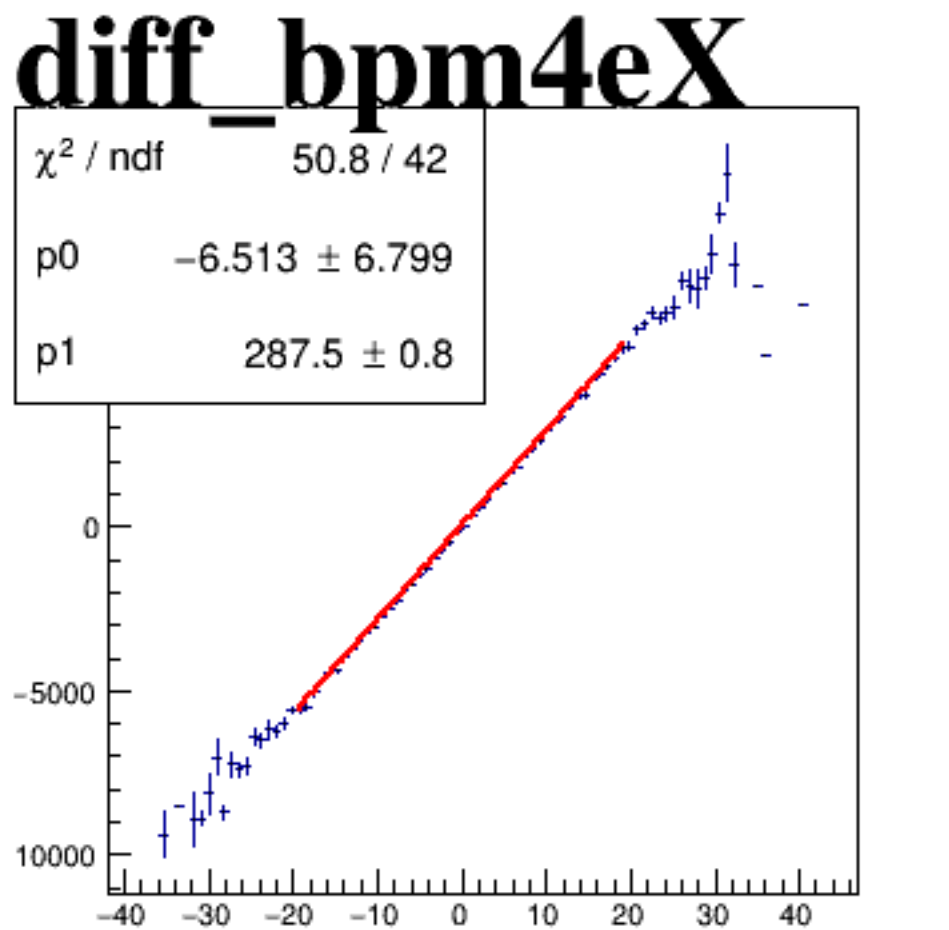
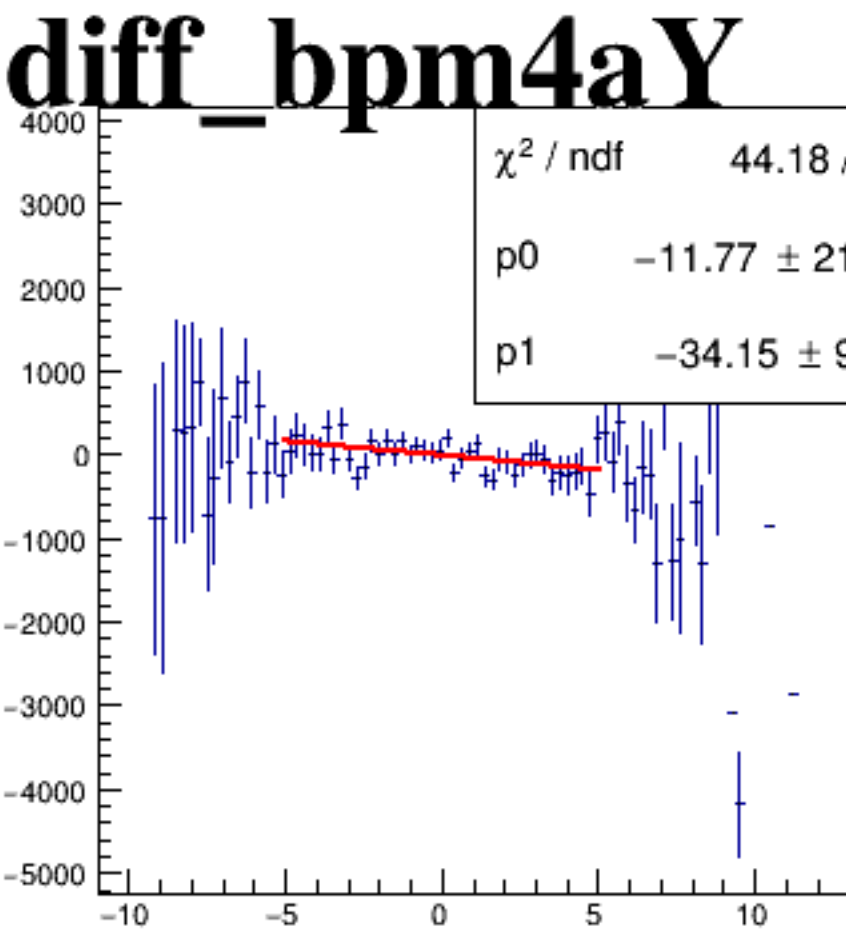
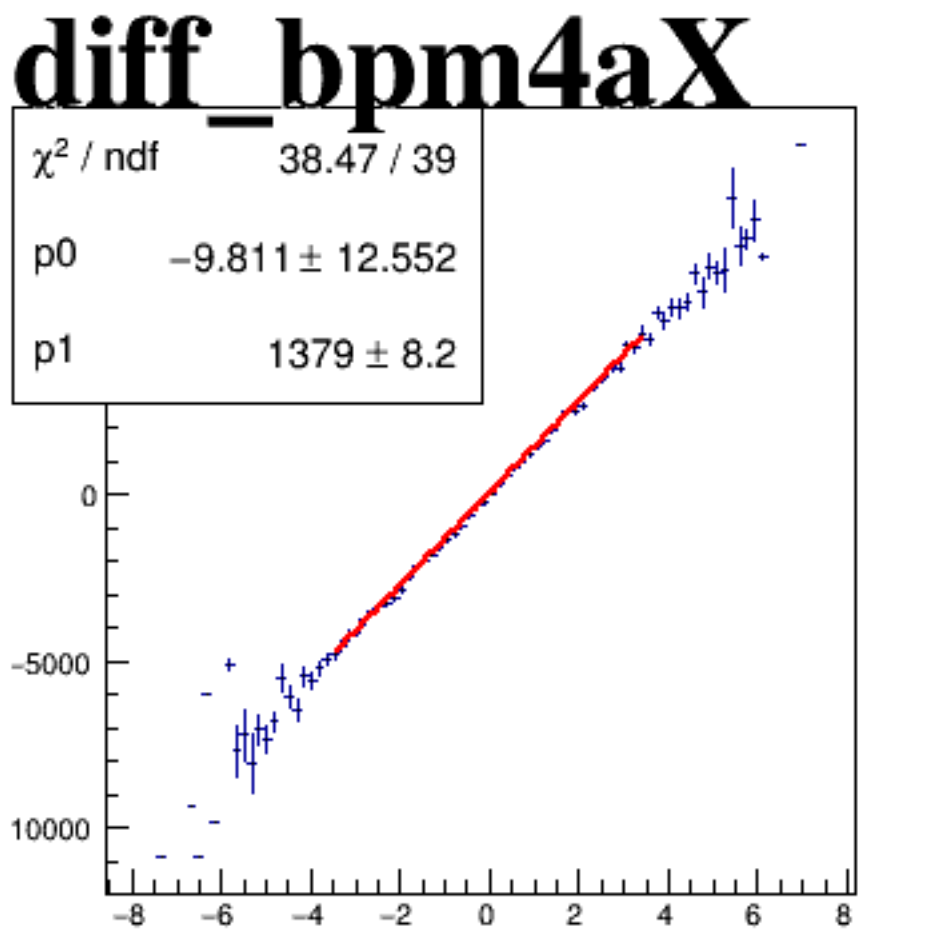
asym_sam2



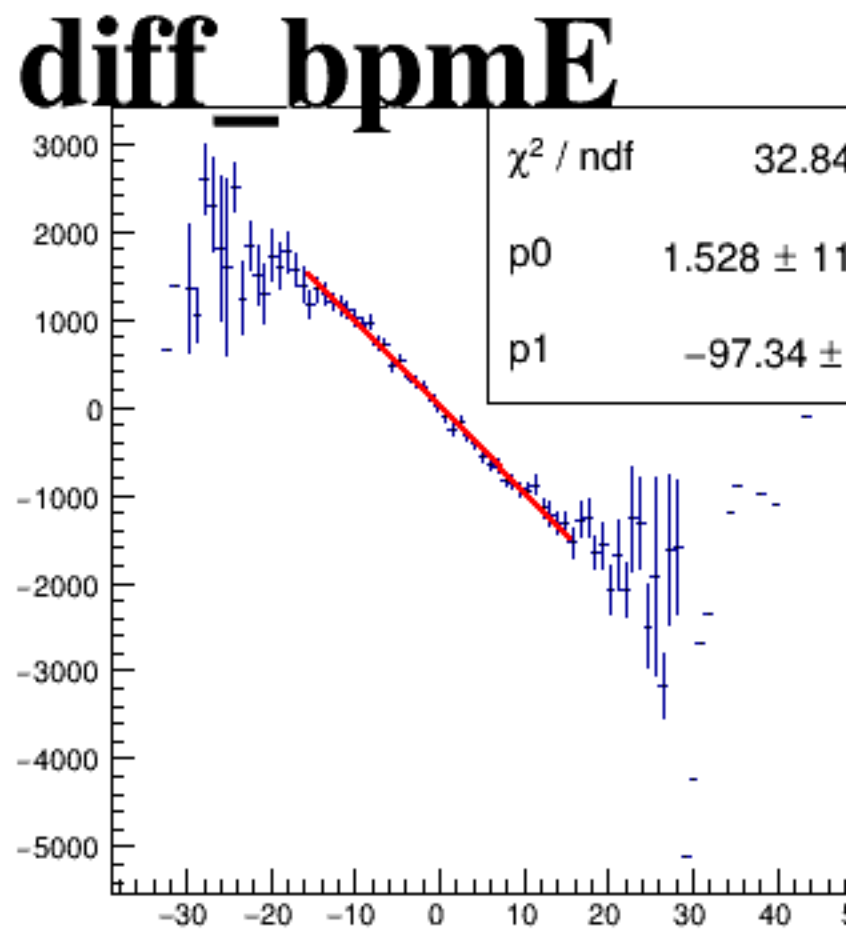
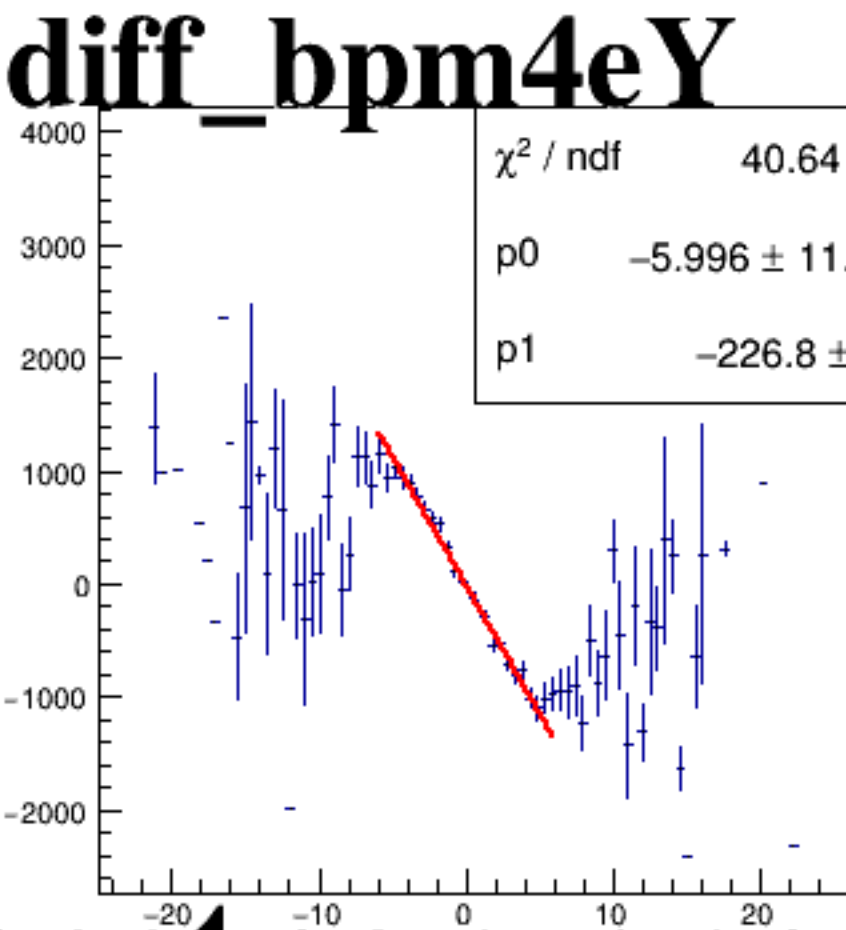
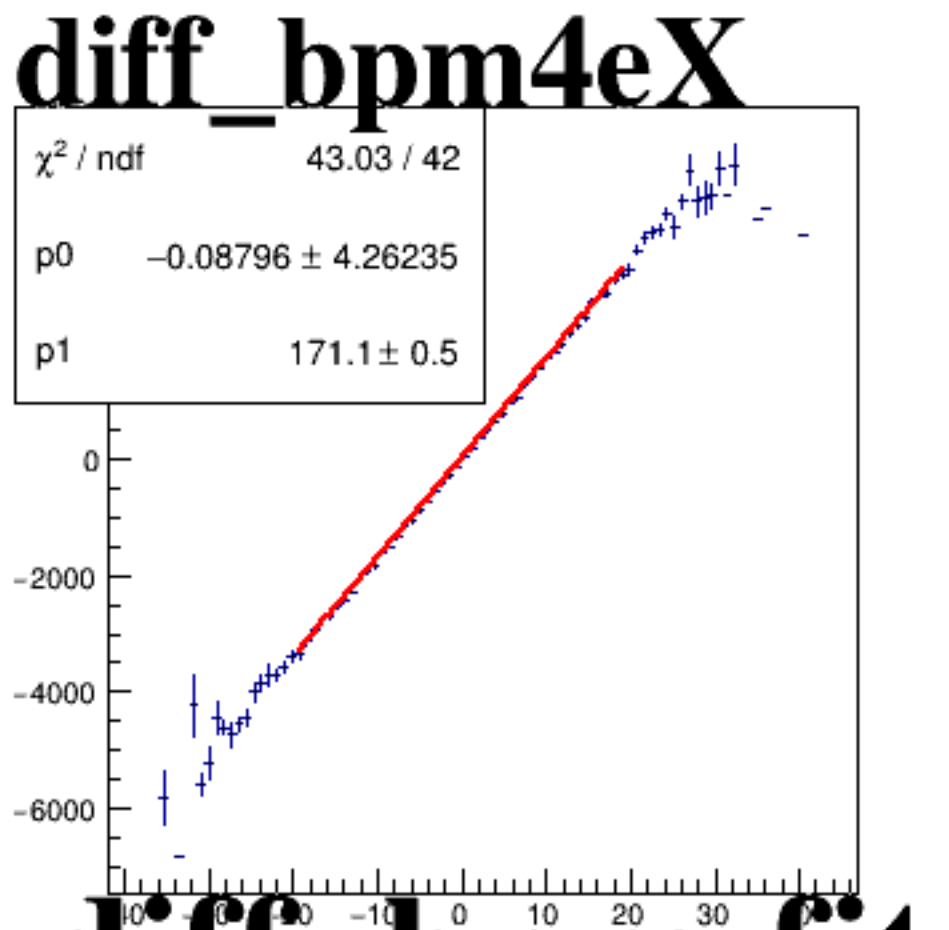
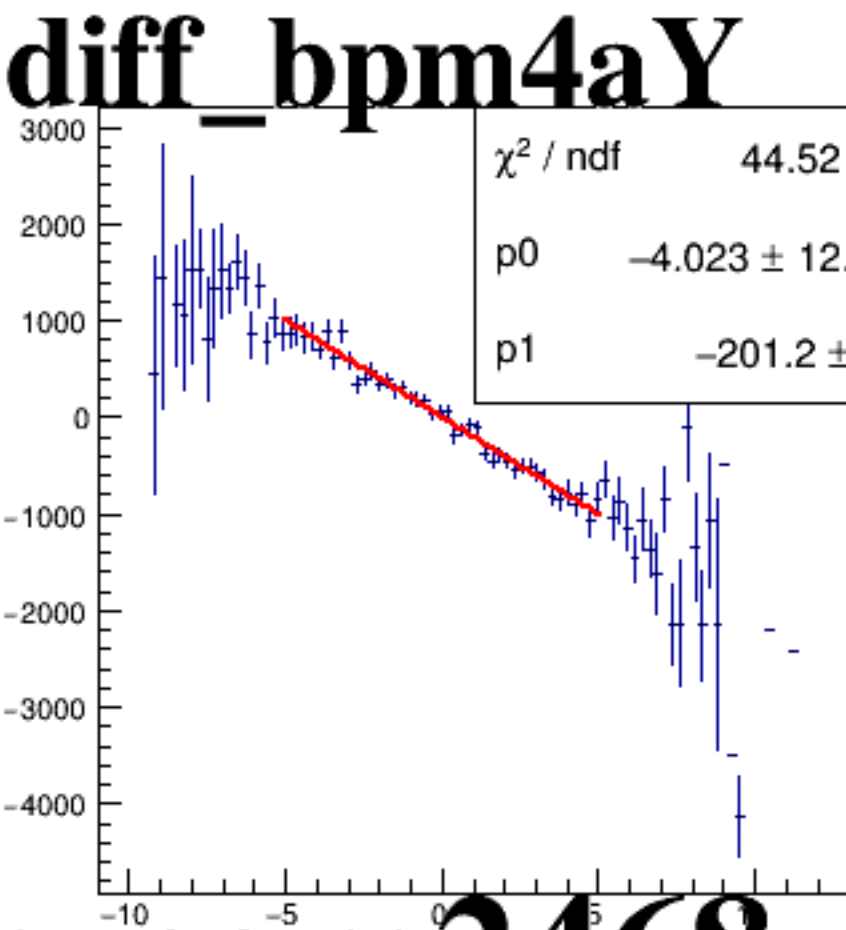
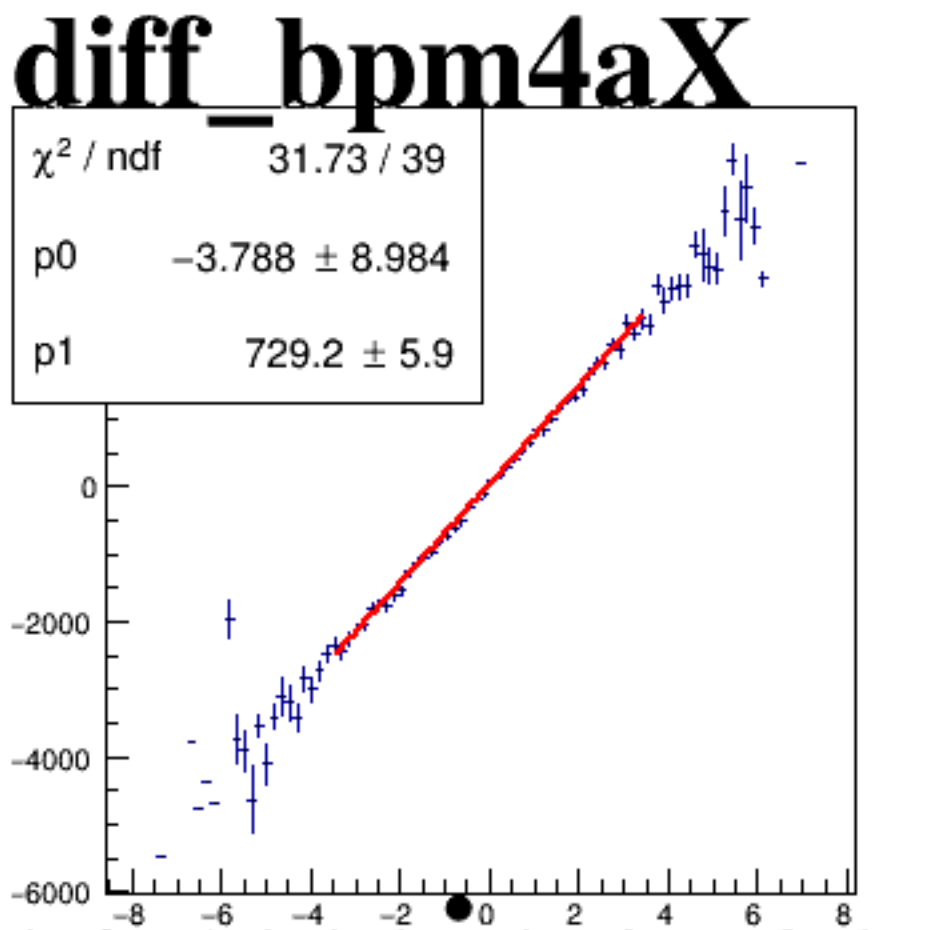
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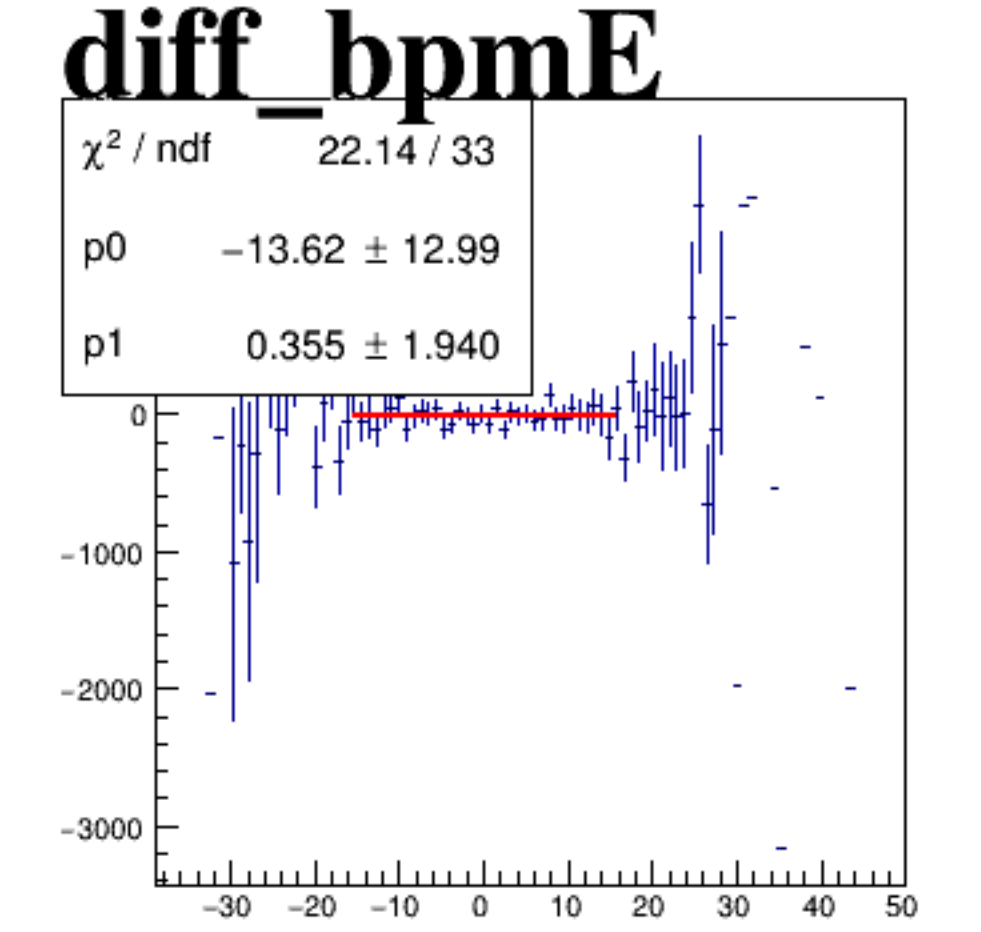
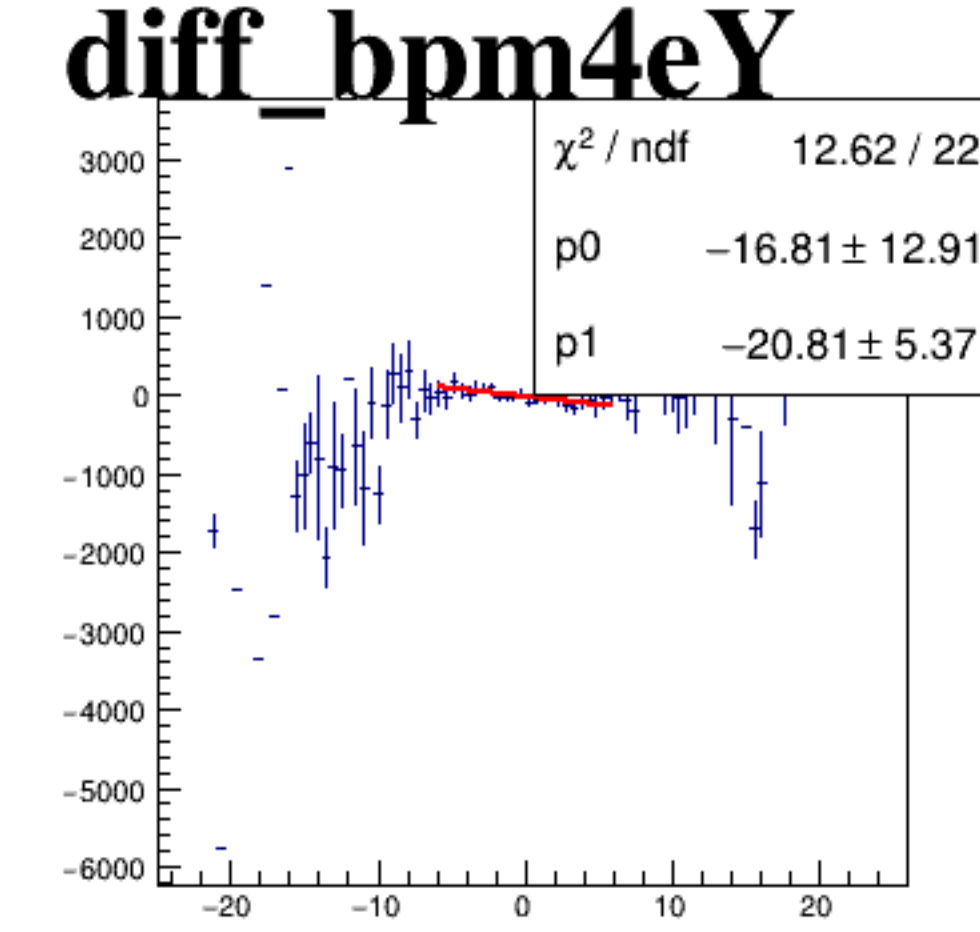
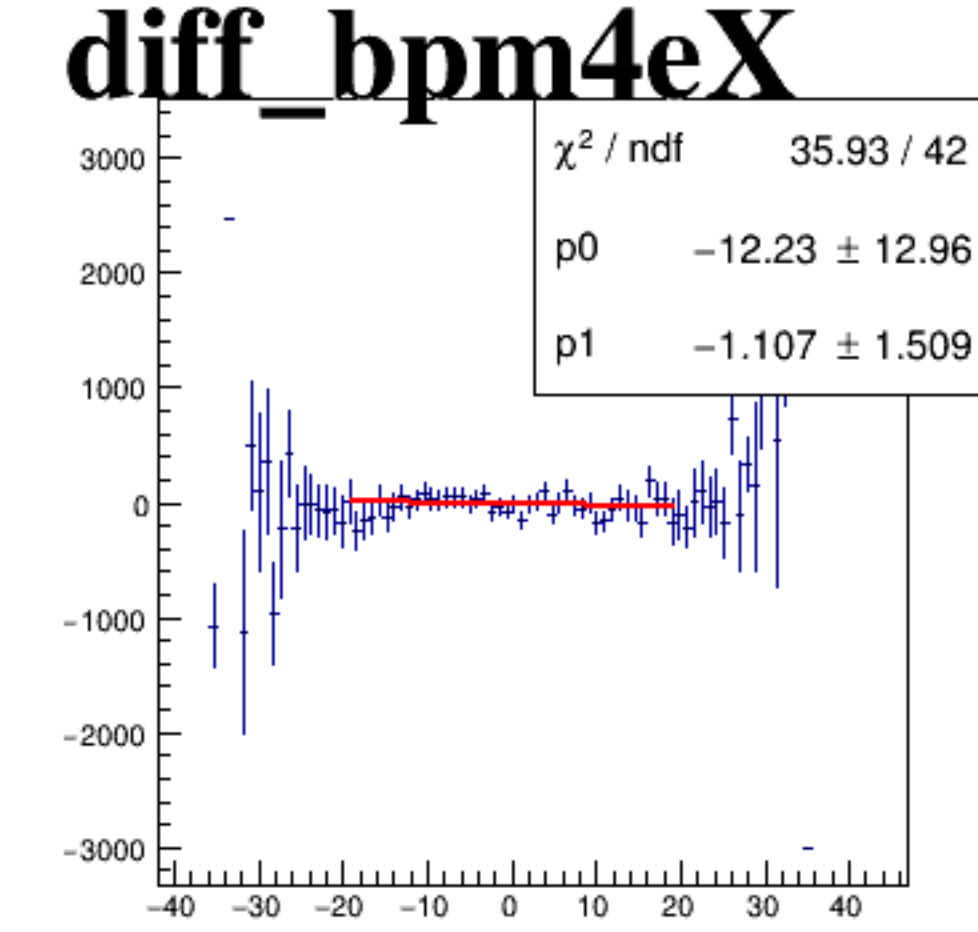
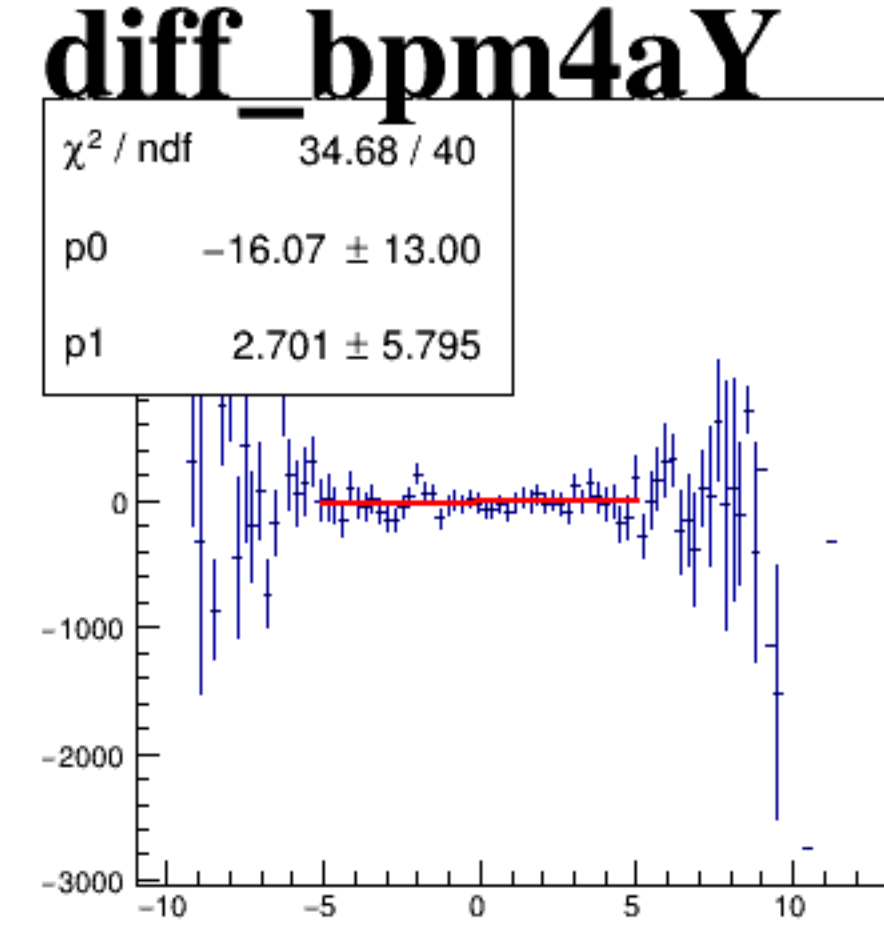
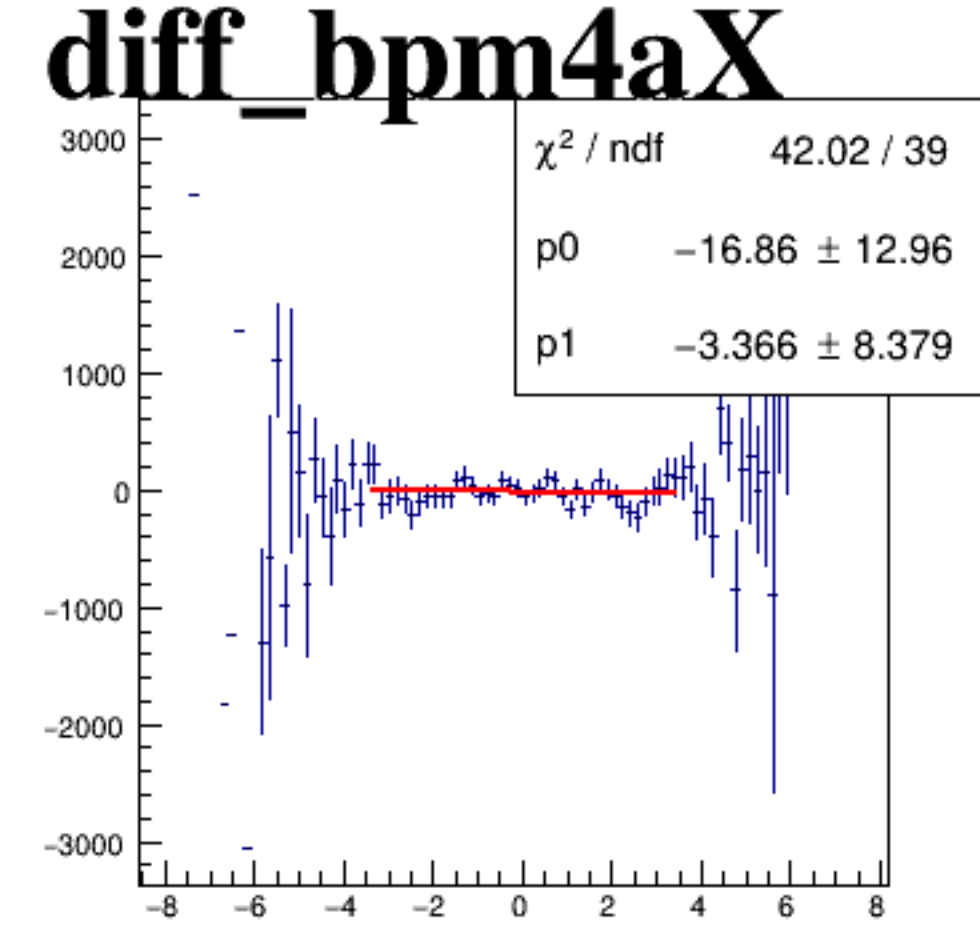
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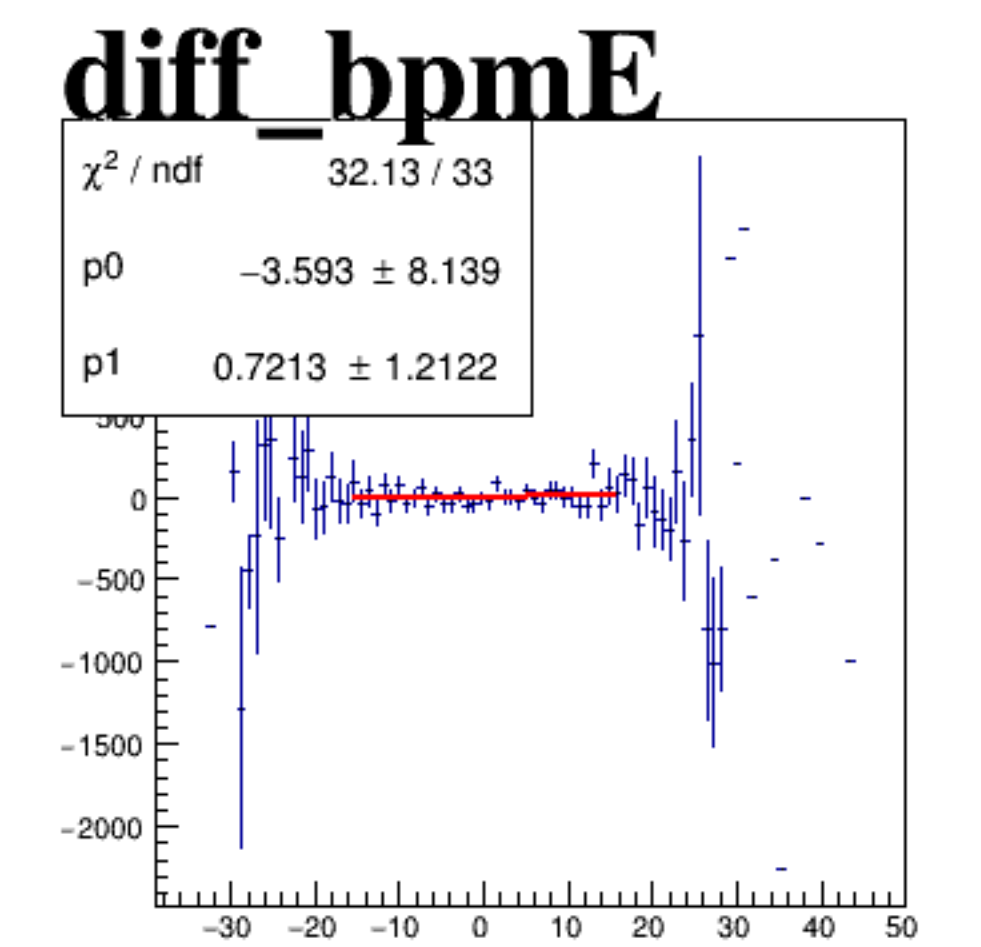
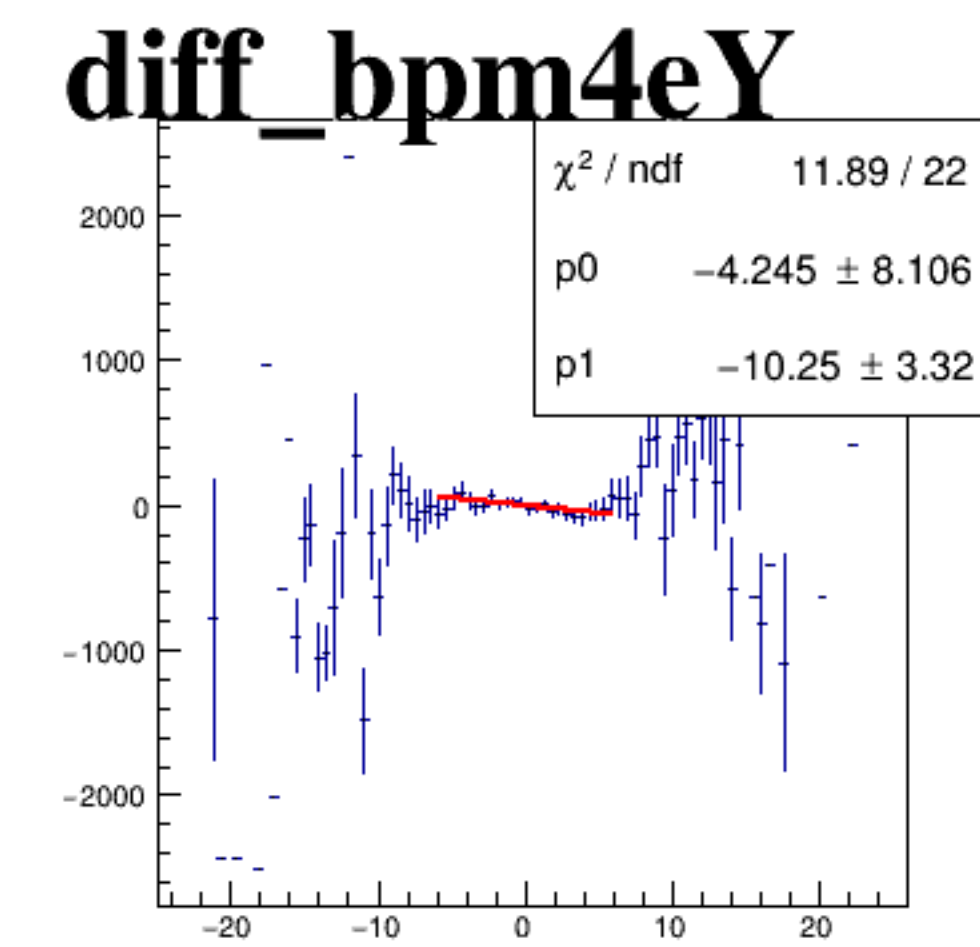
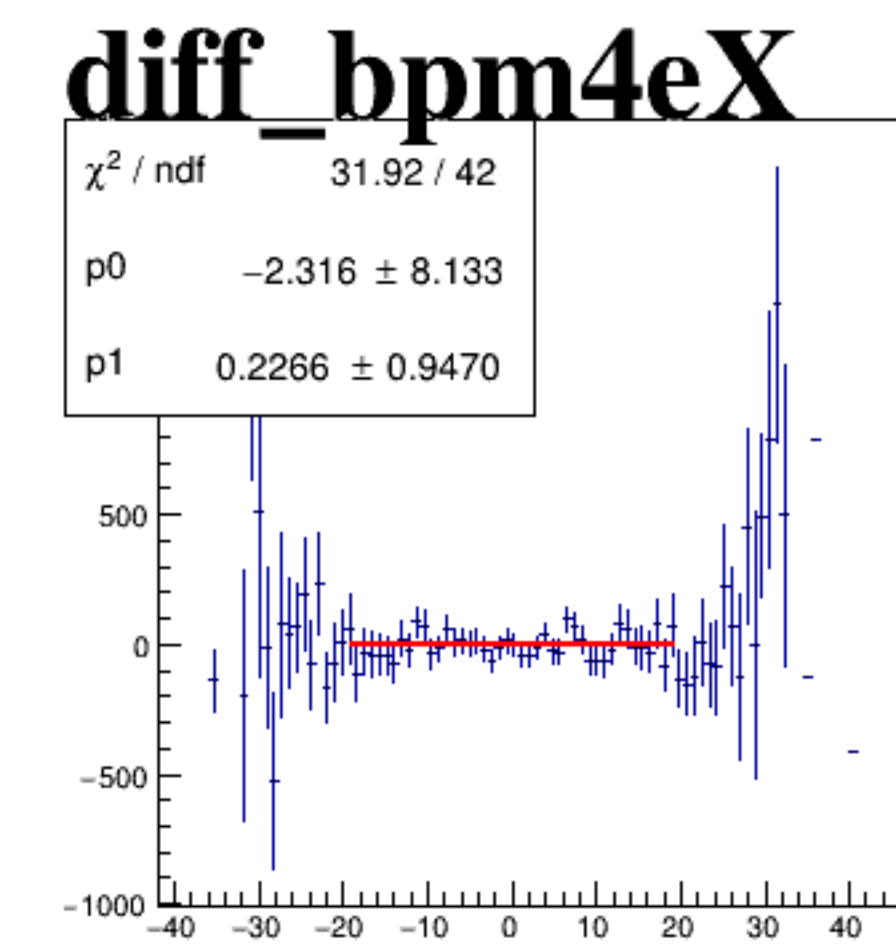
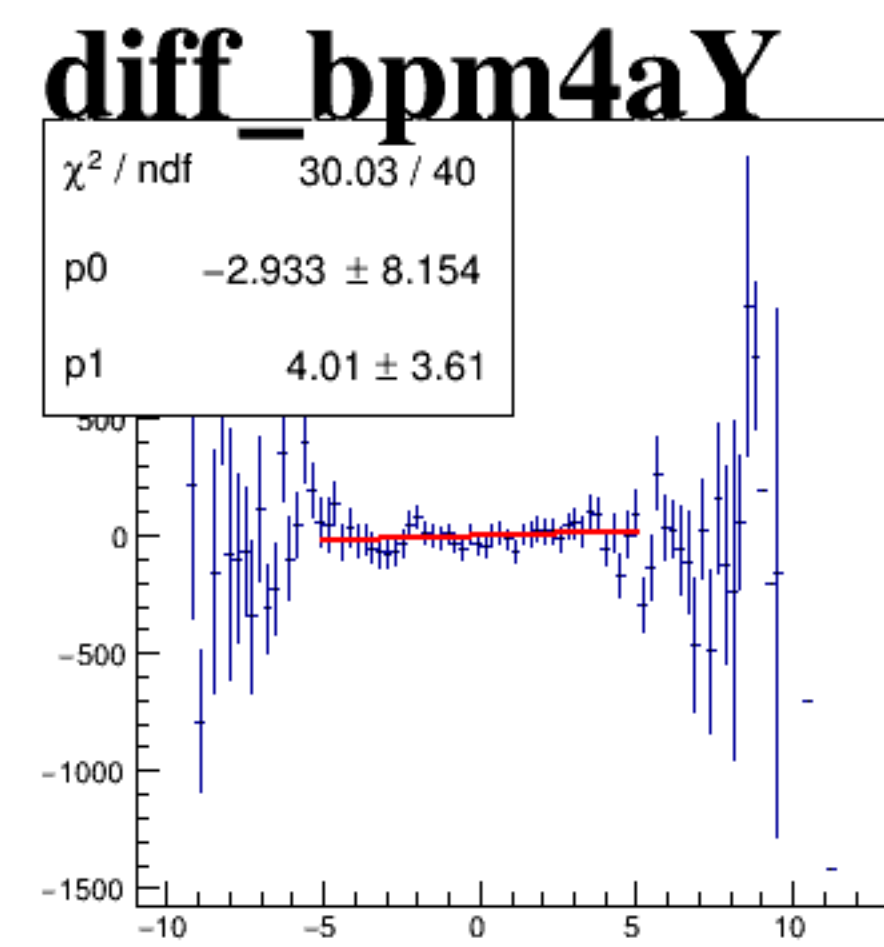
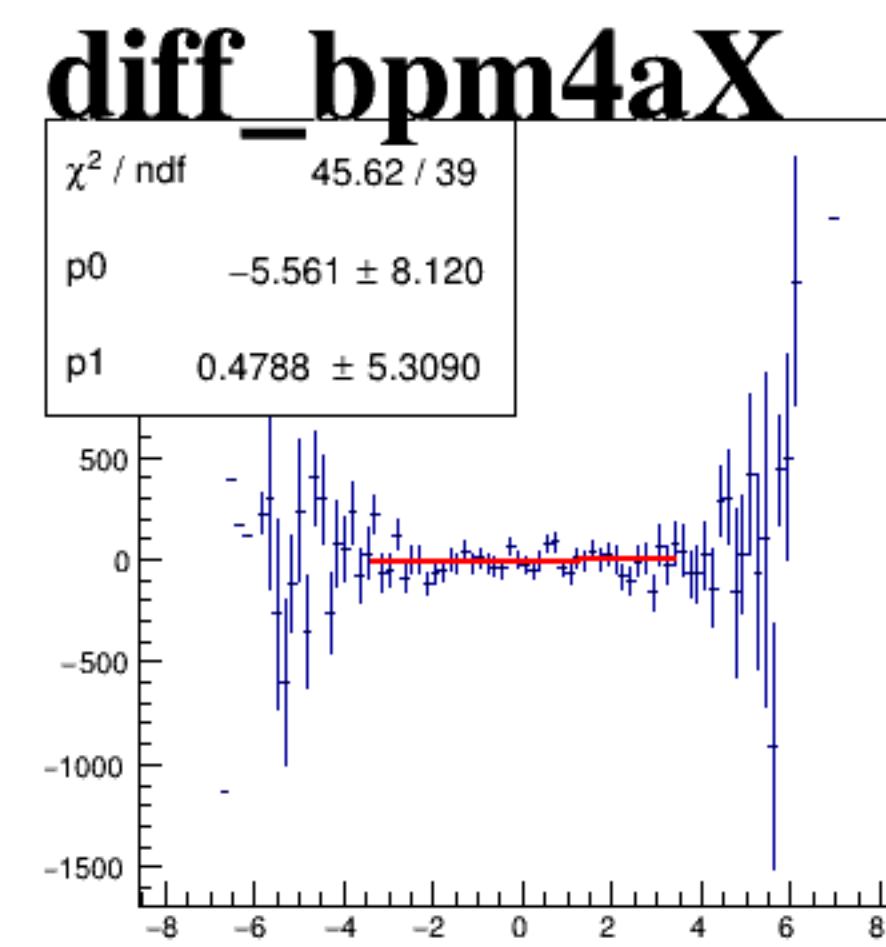
asym_sam8



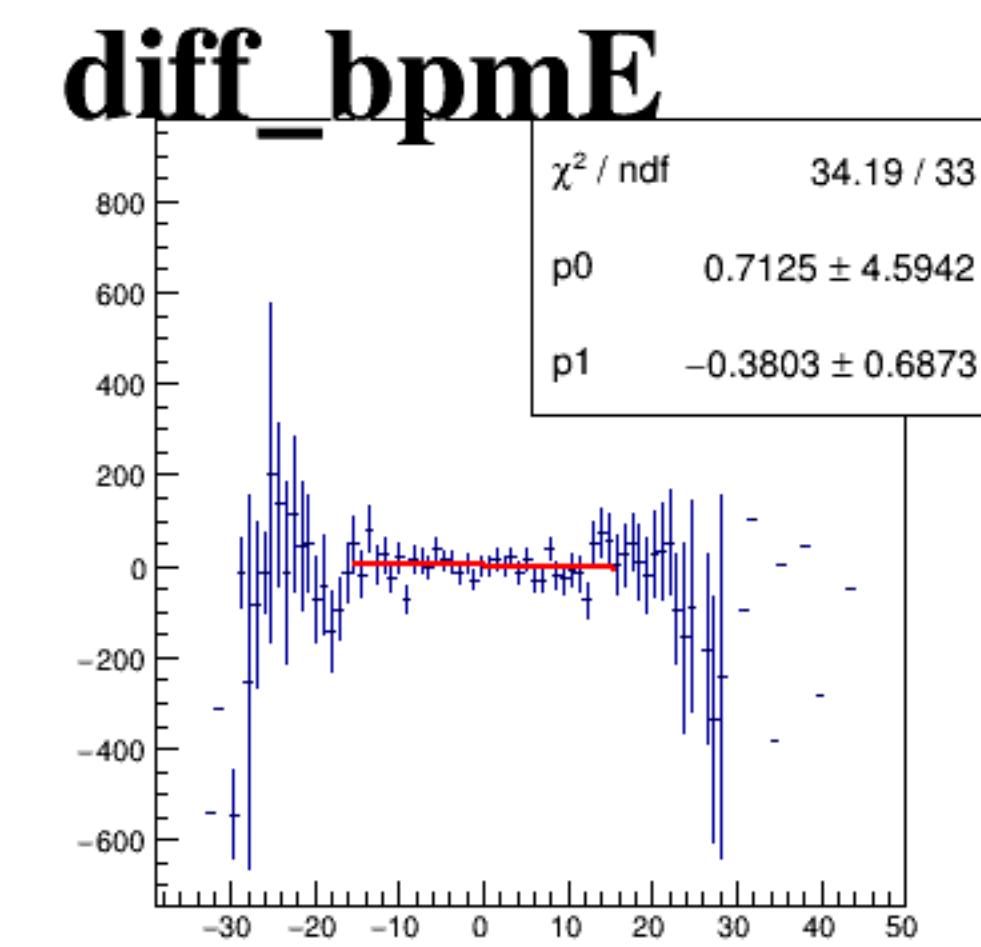
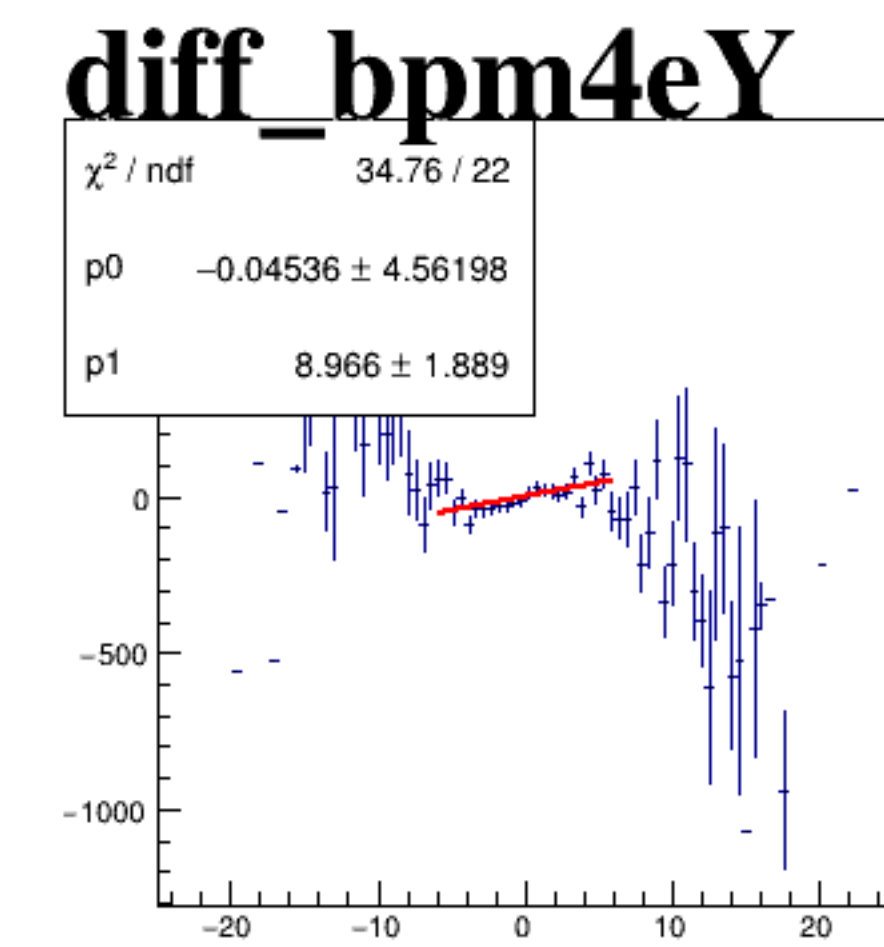
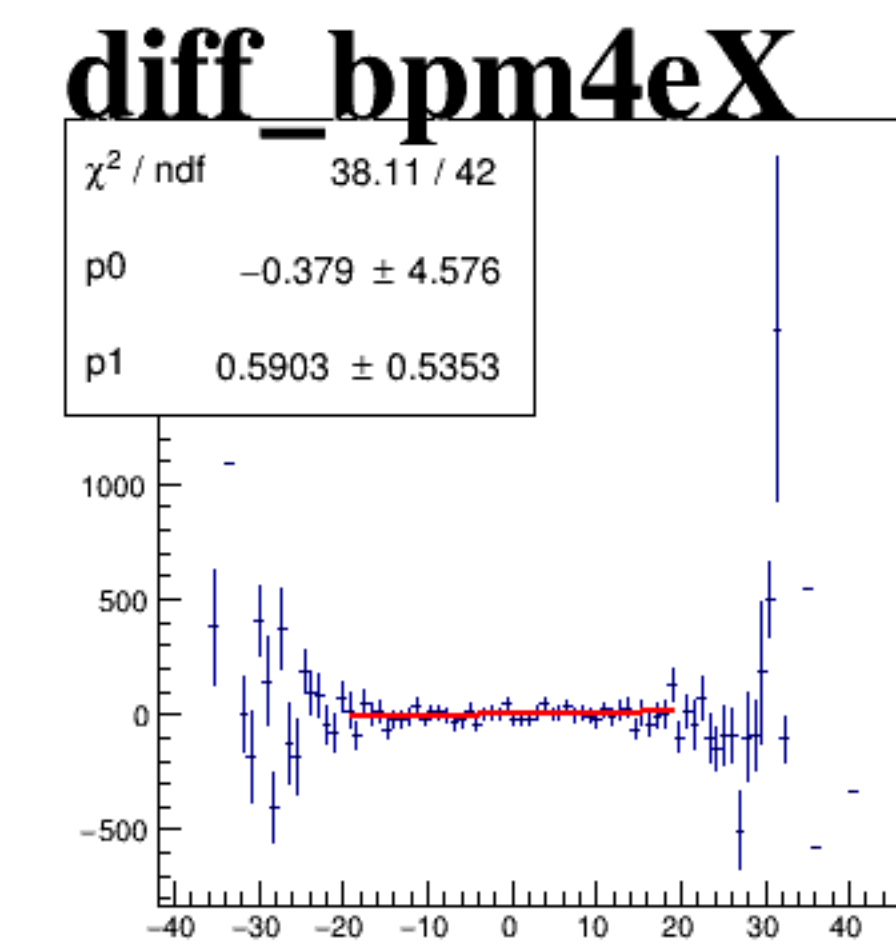
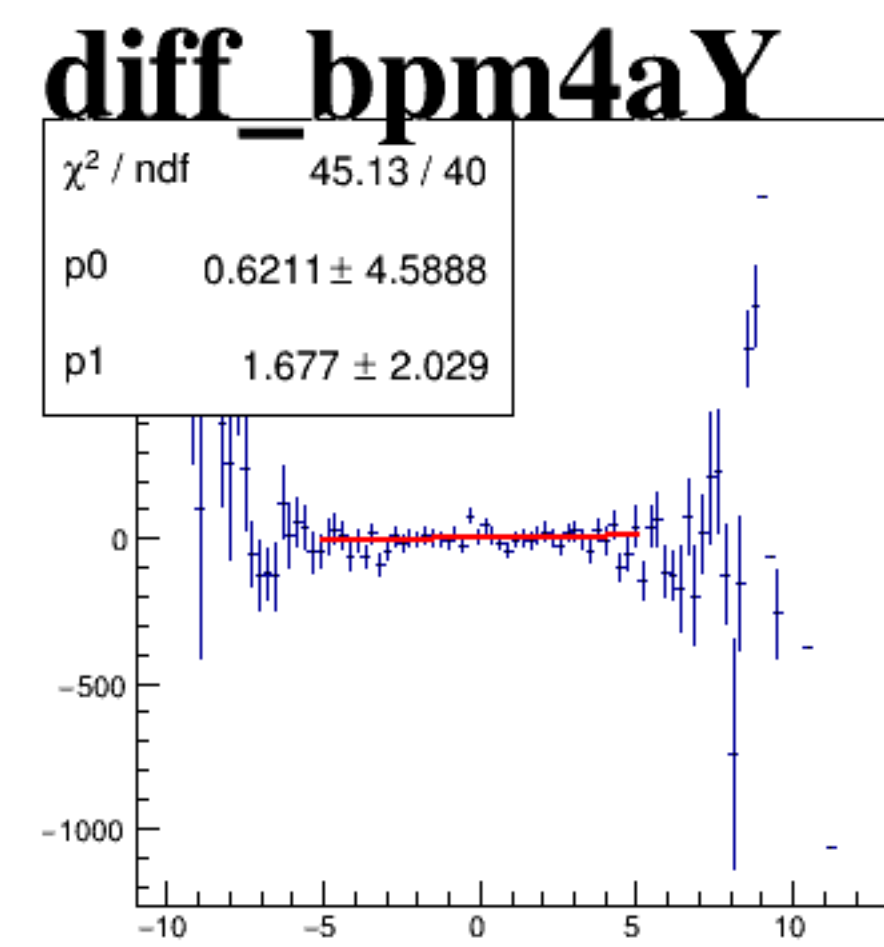
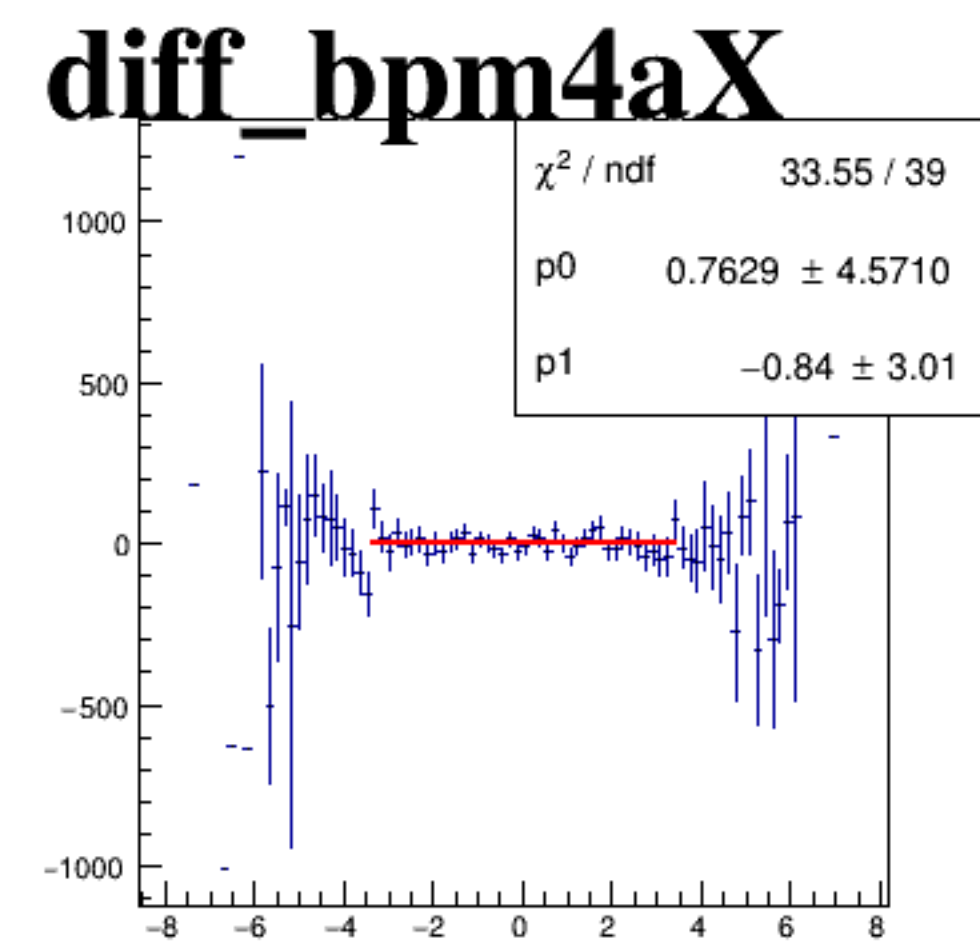
reg_asym_sam2



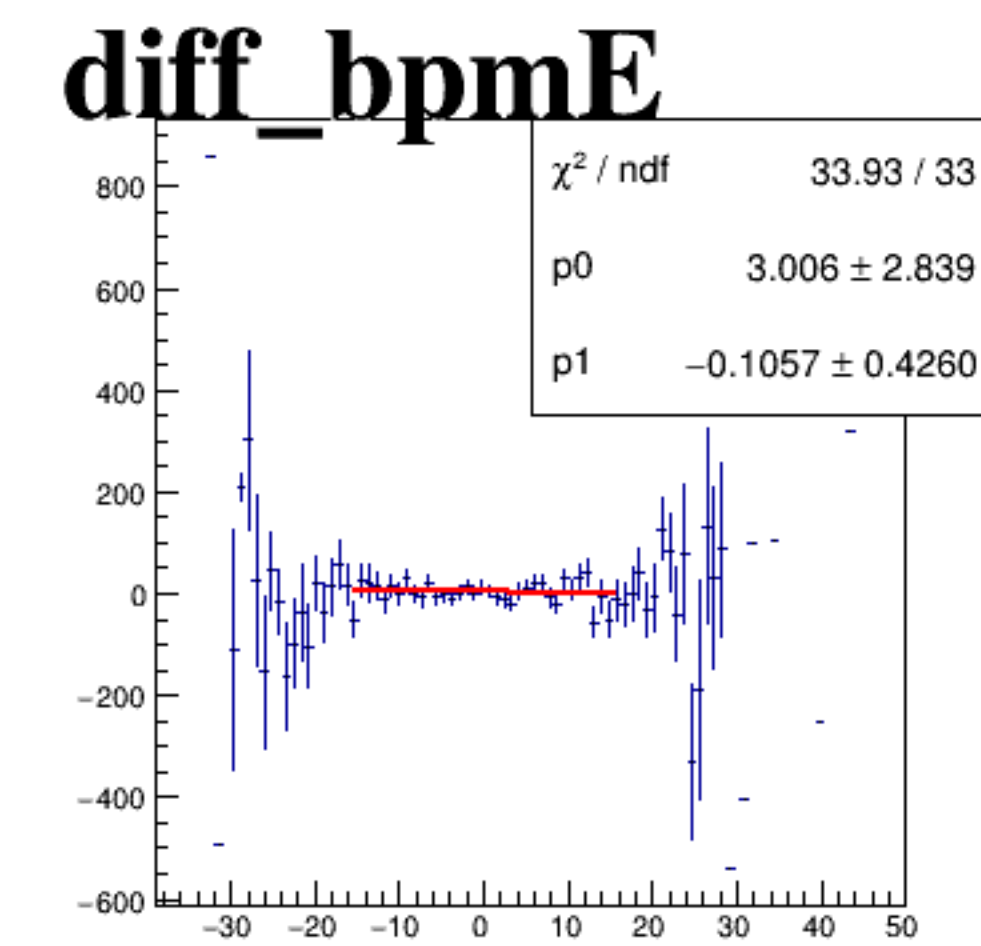
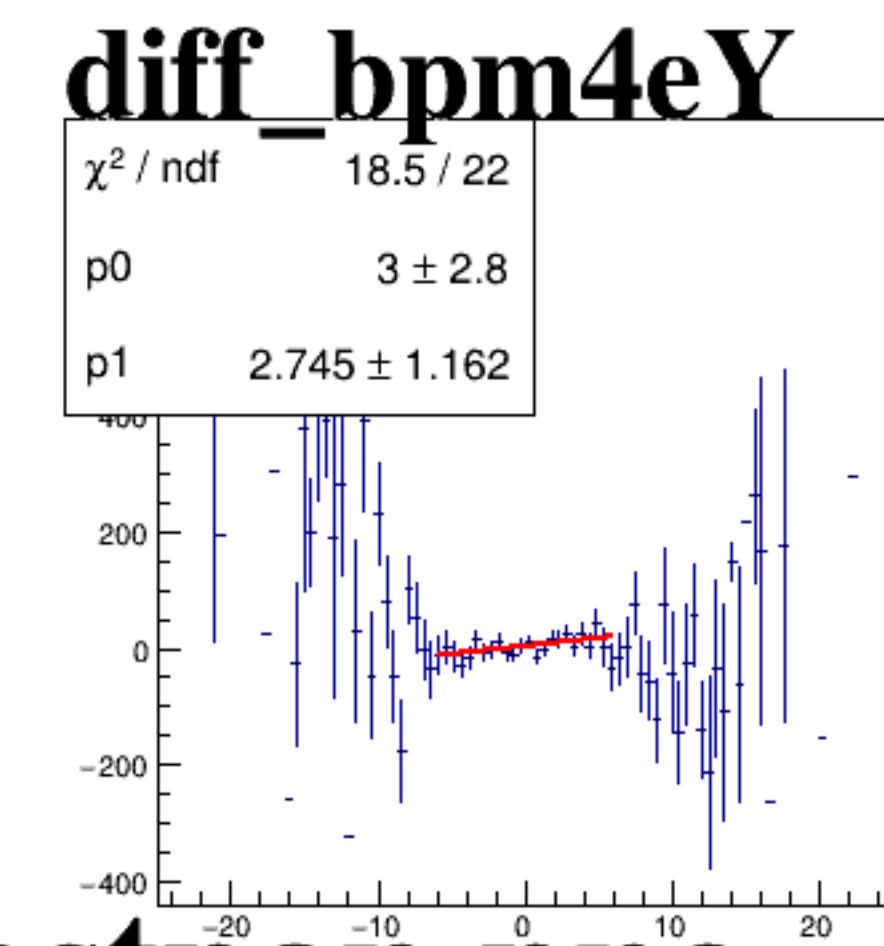
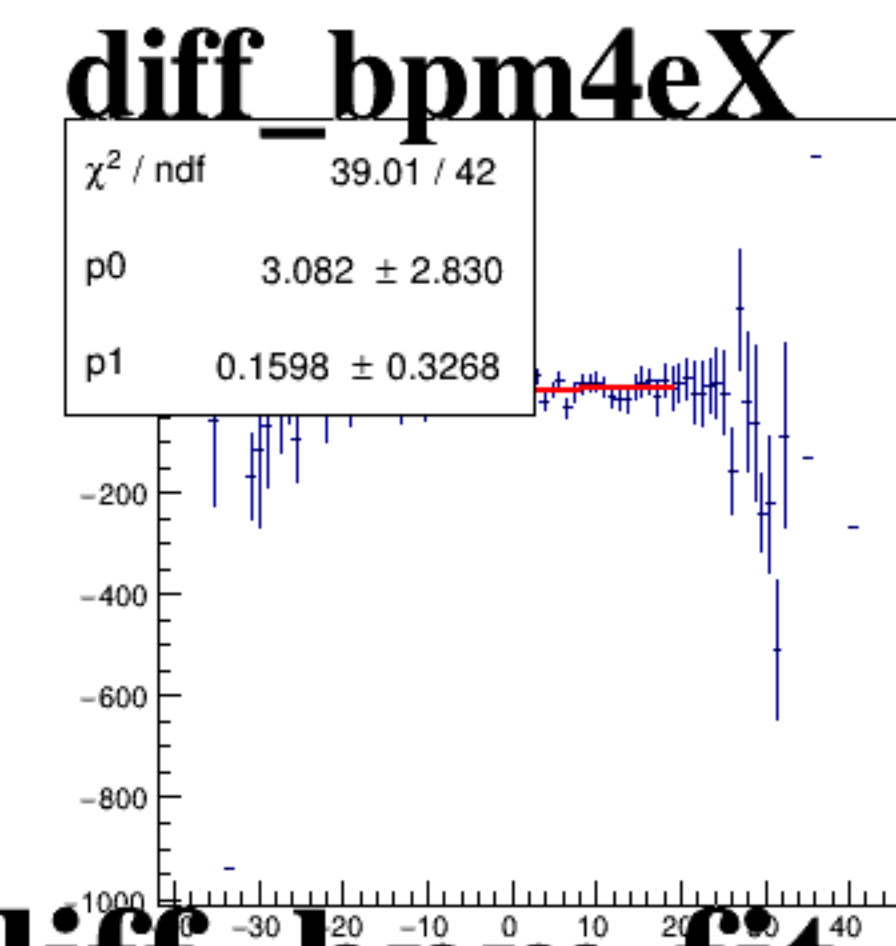
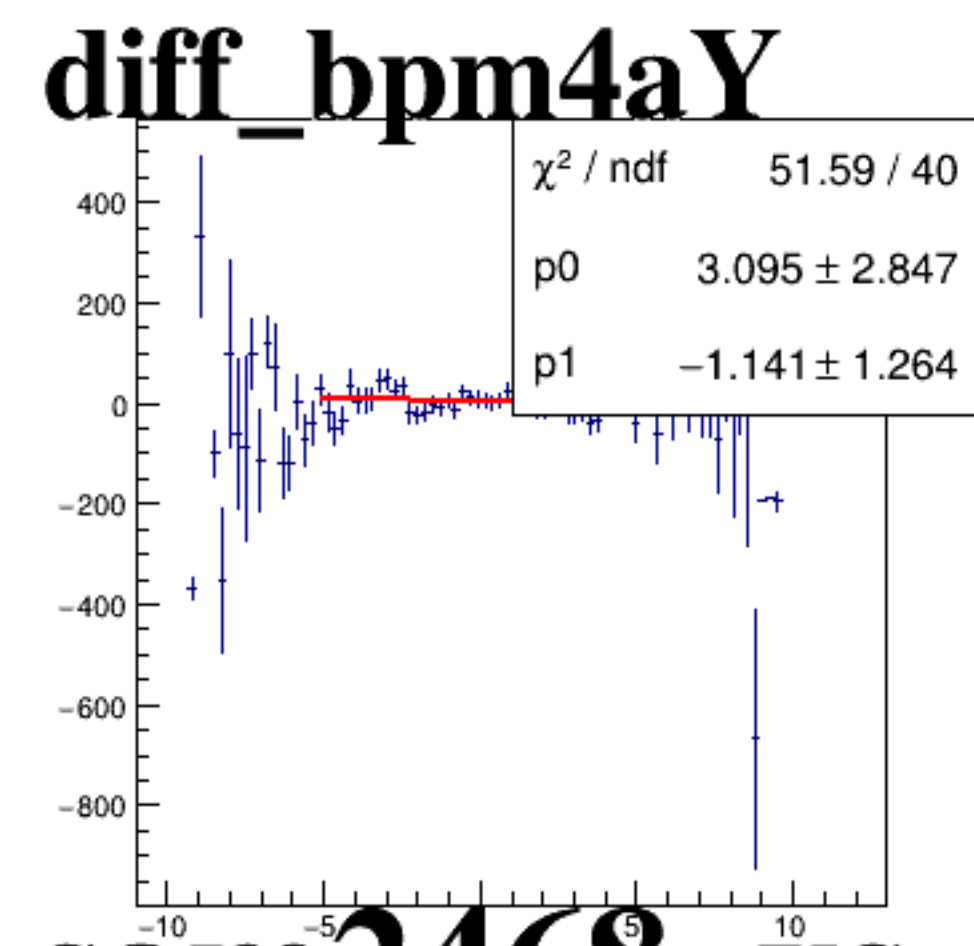
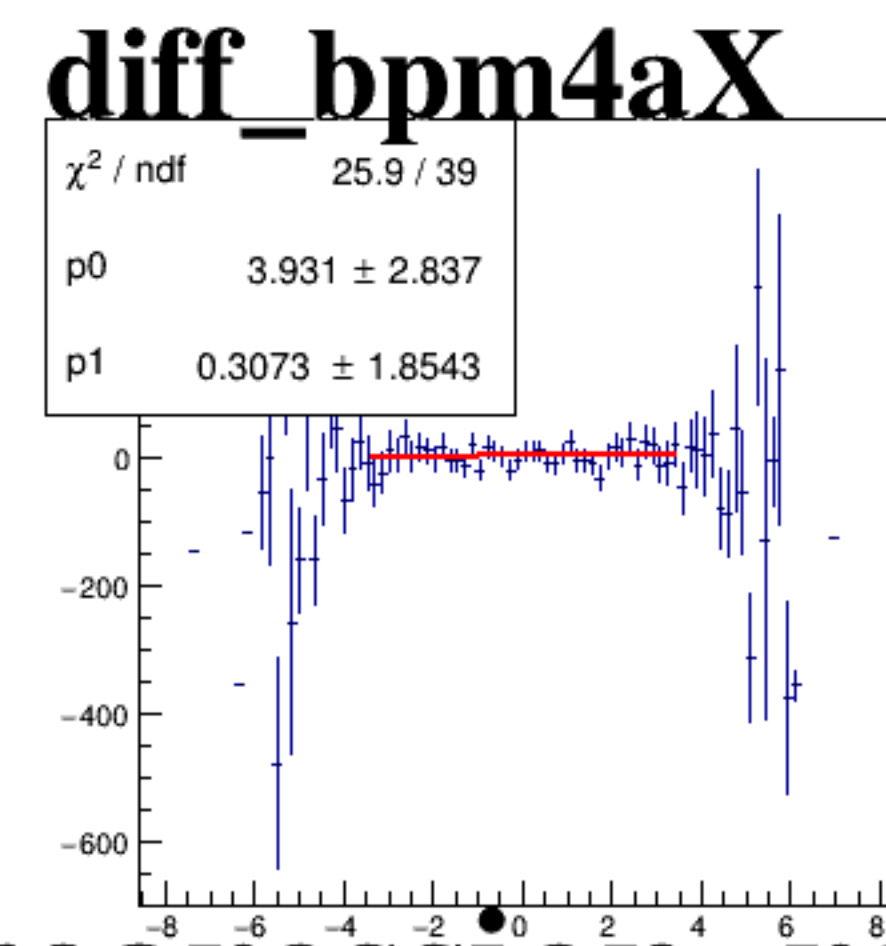
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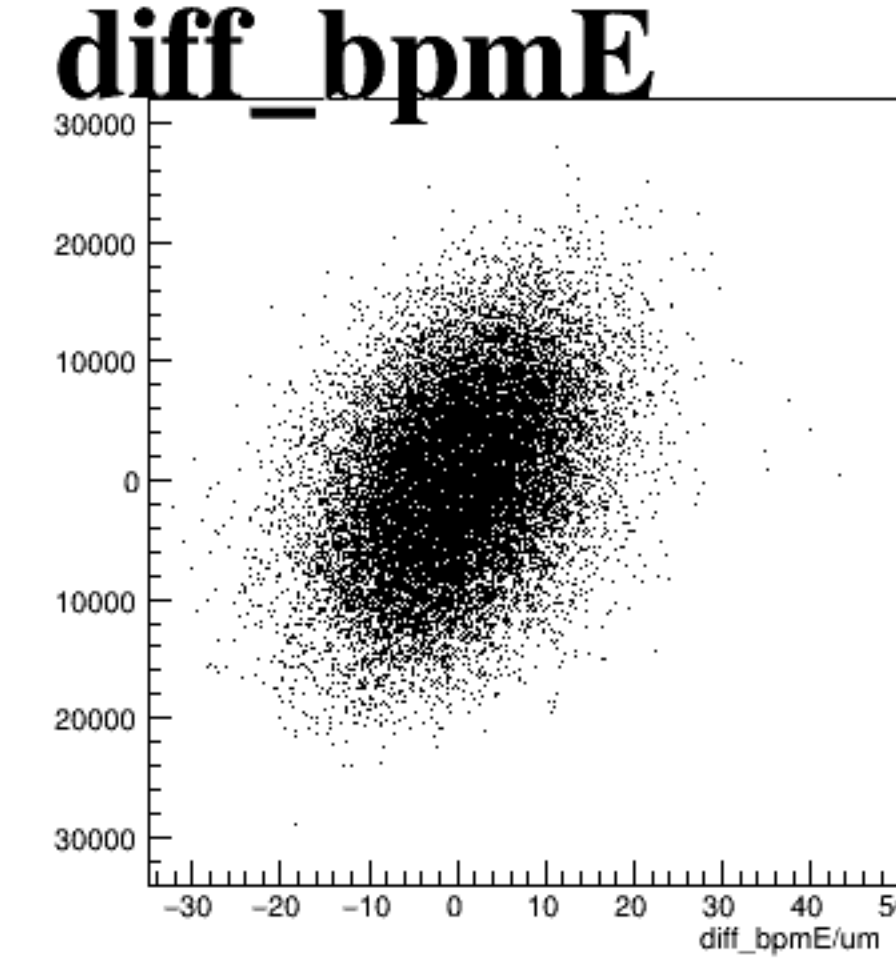
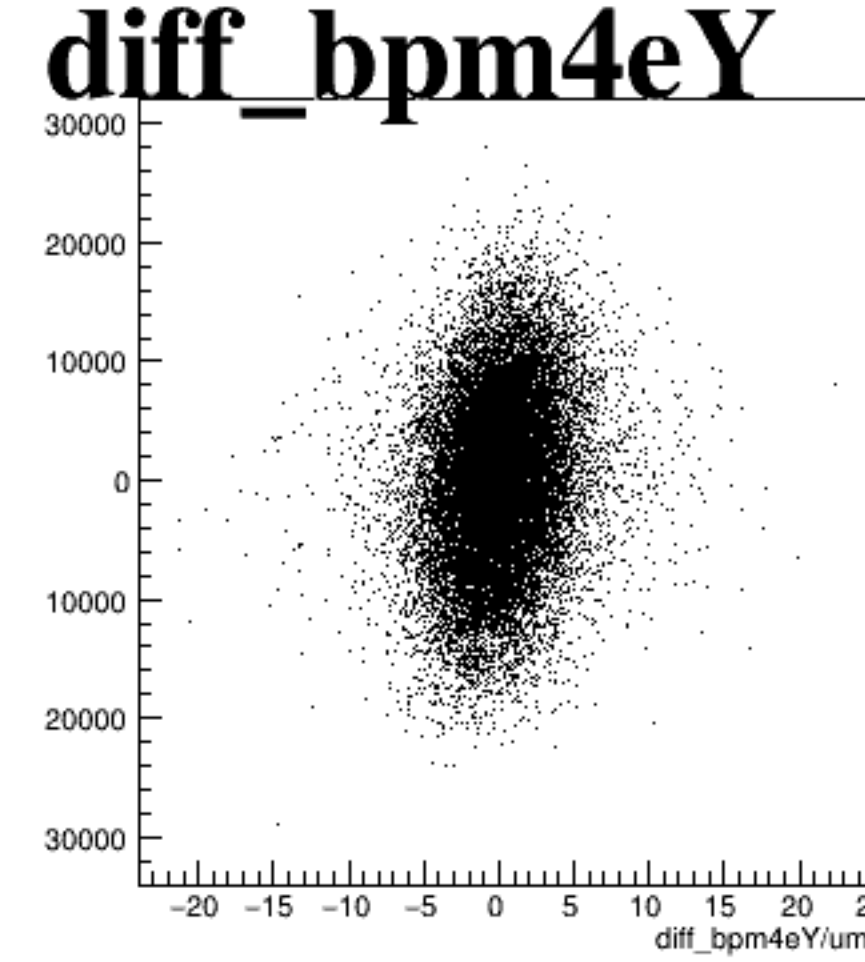
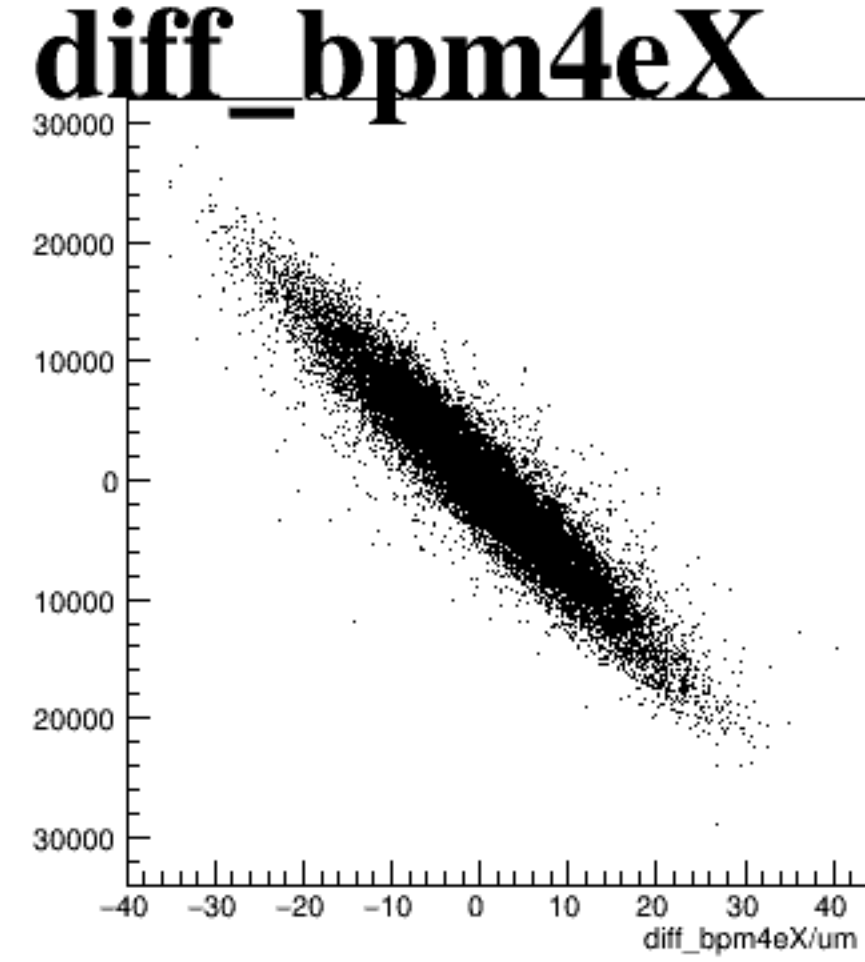
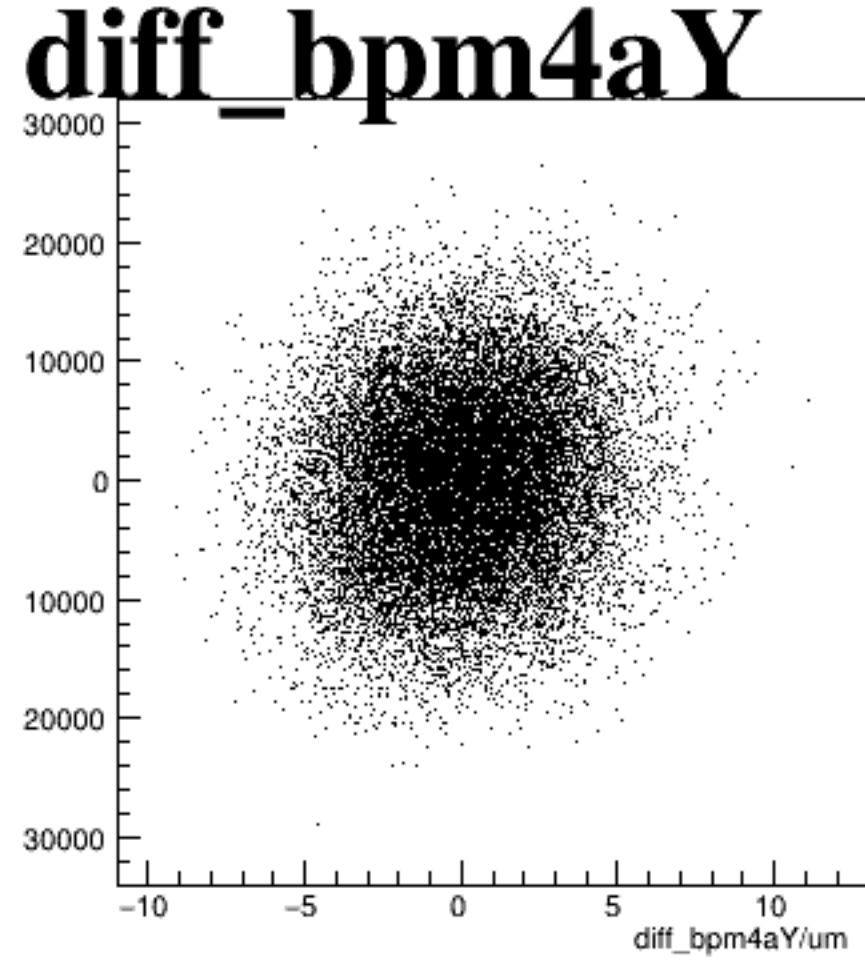
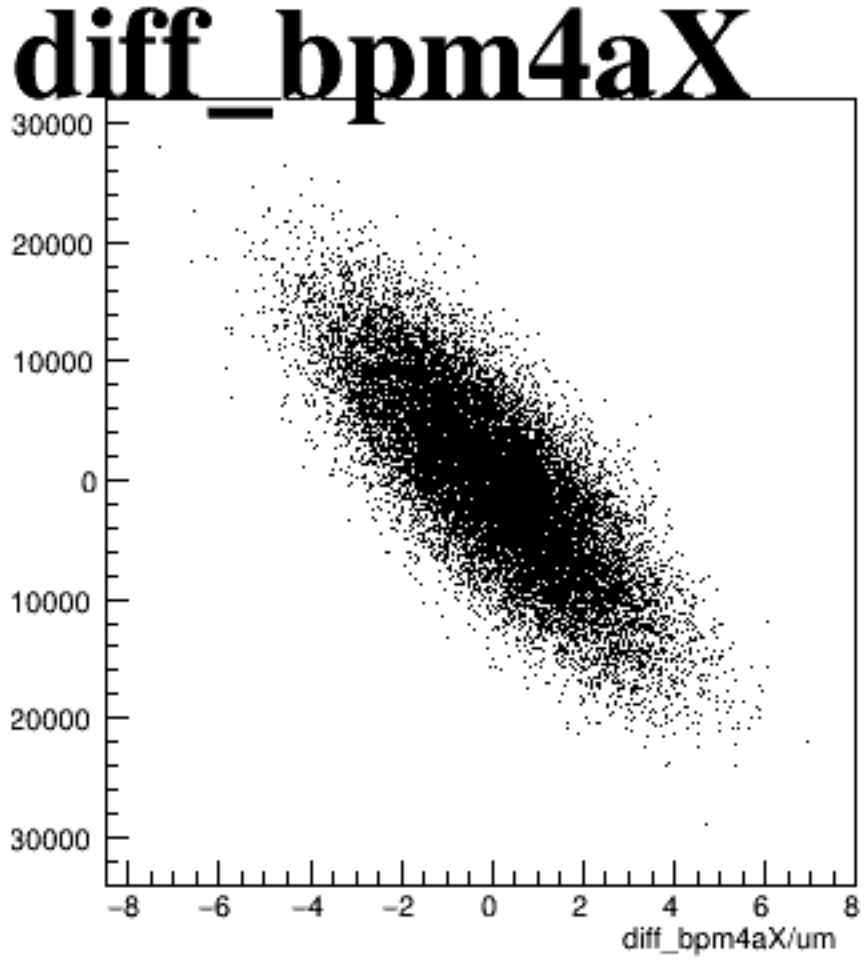
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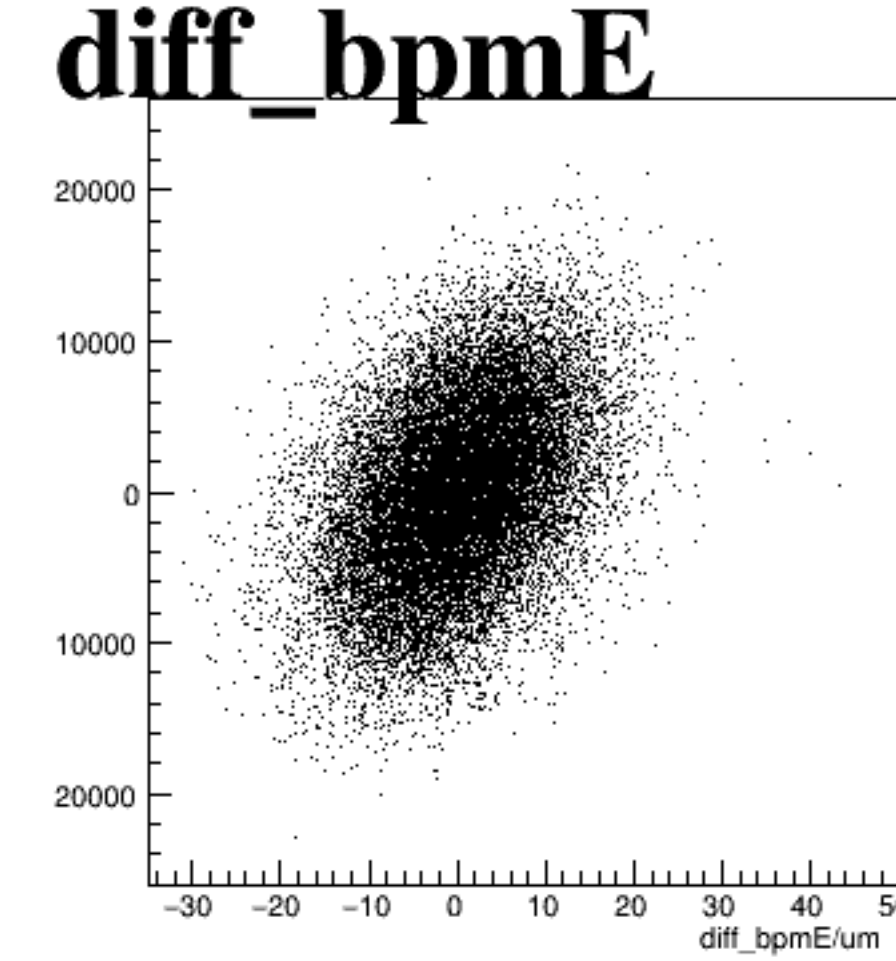
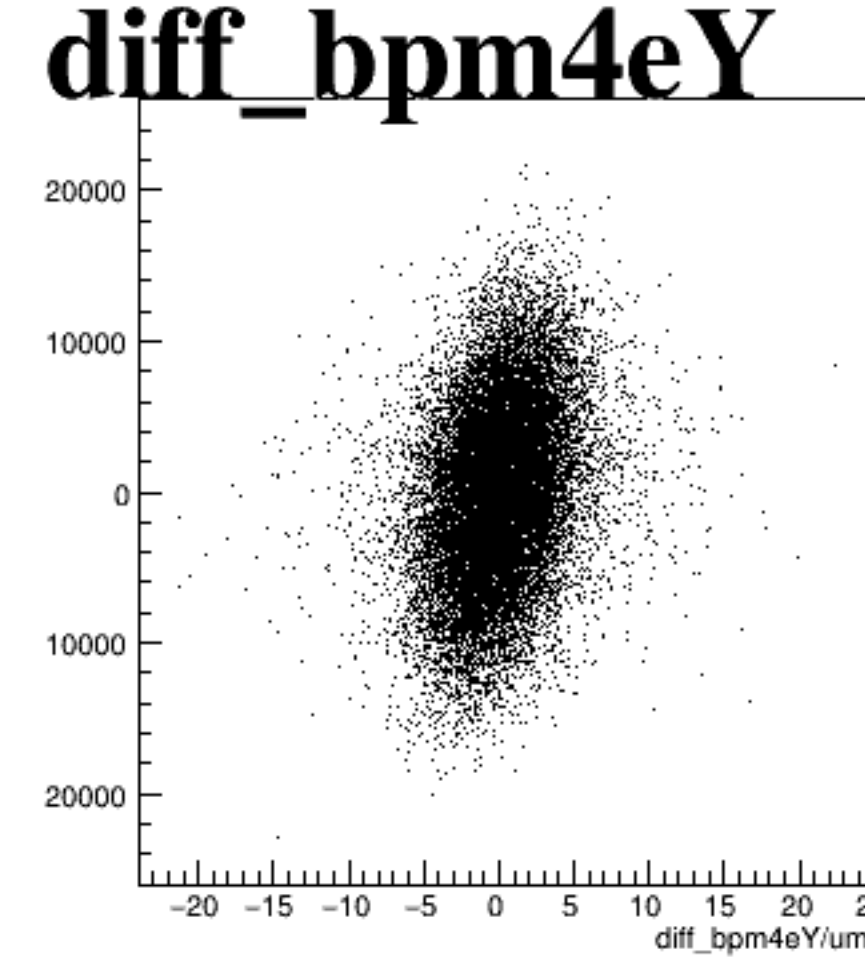
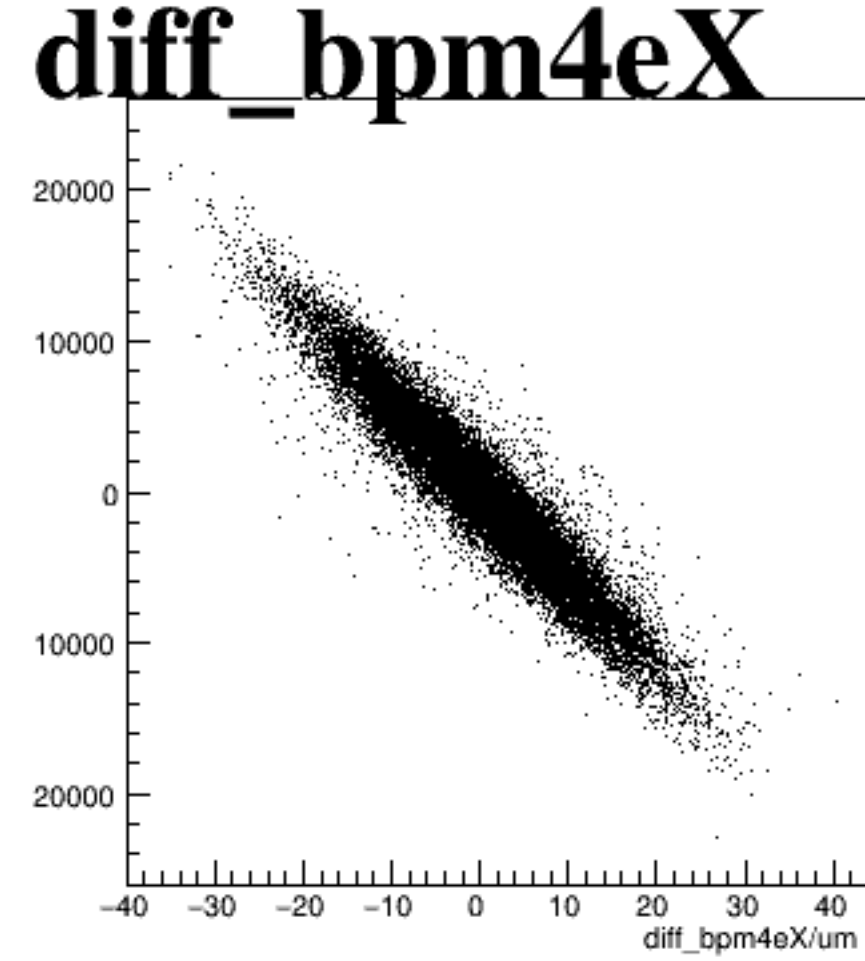
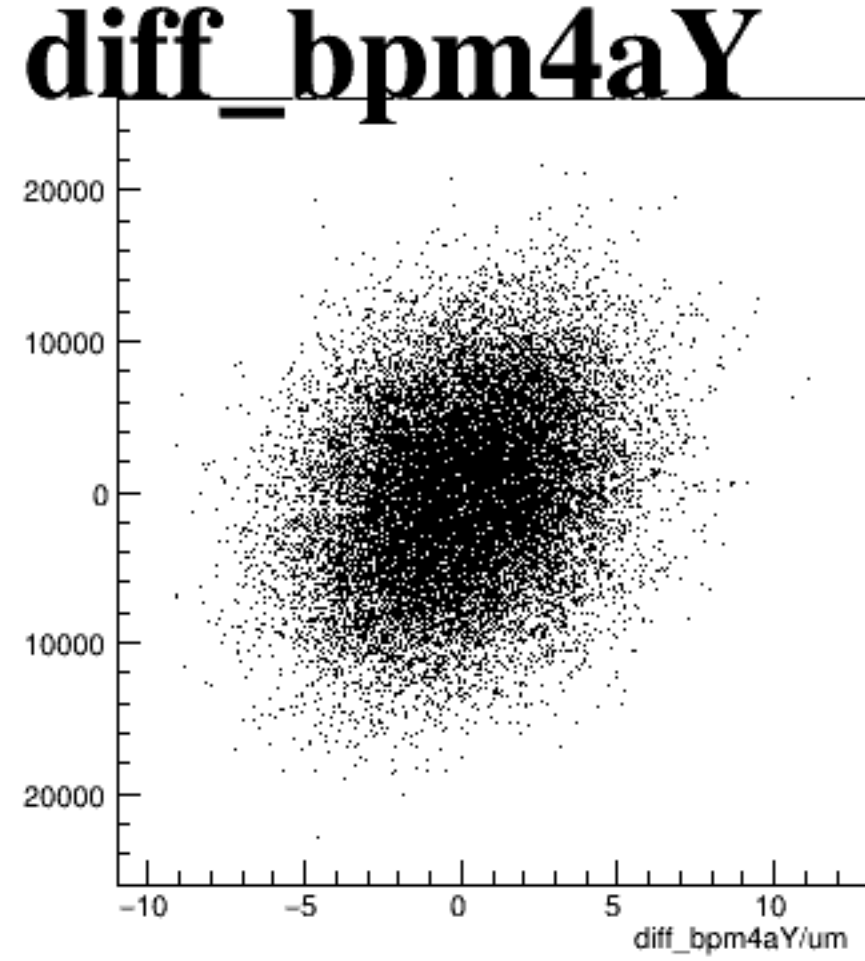
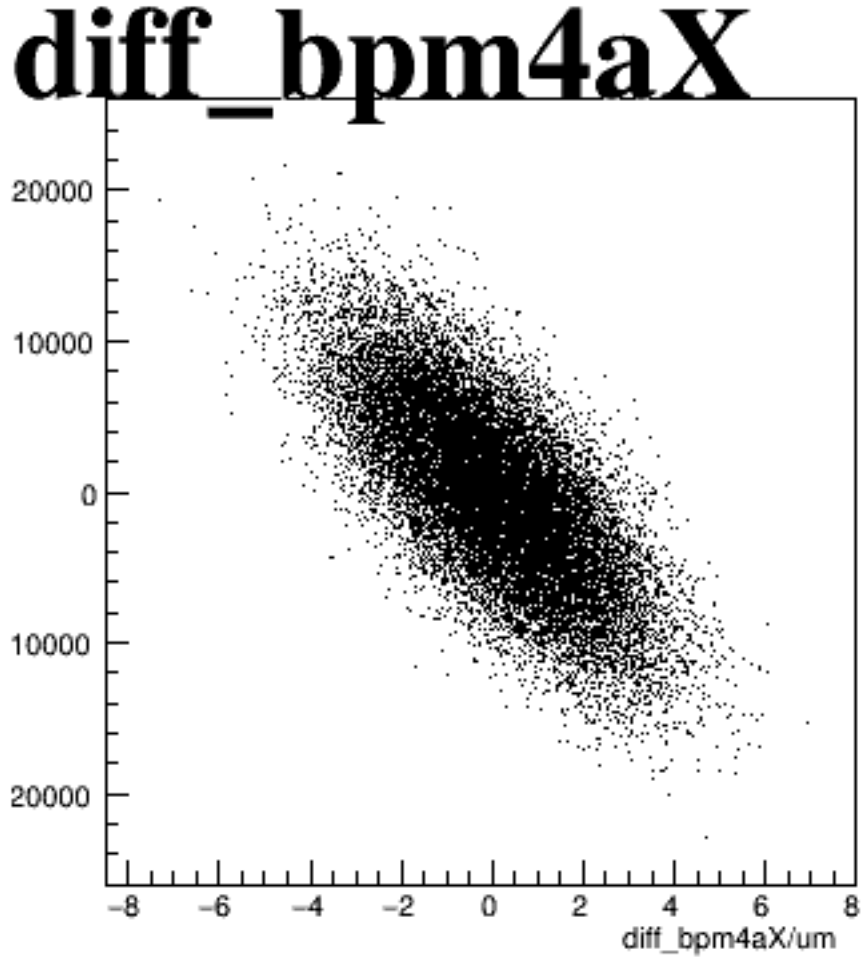
reg_asym_sam8



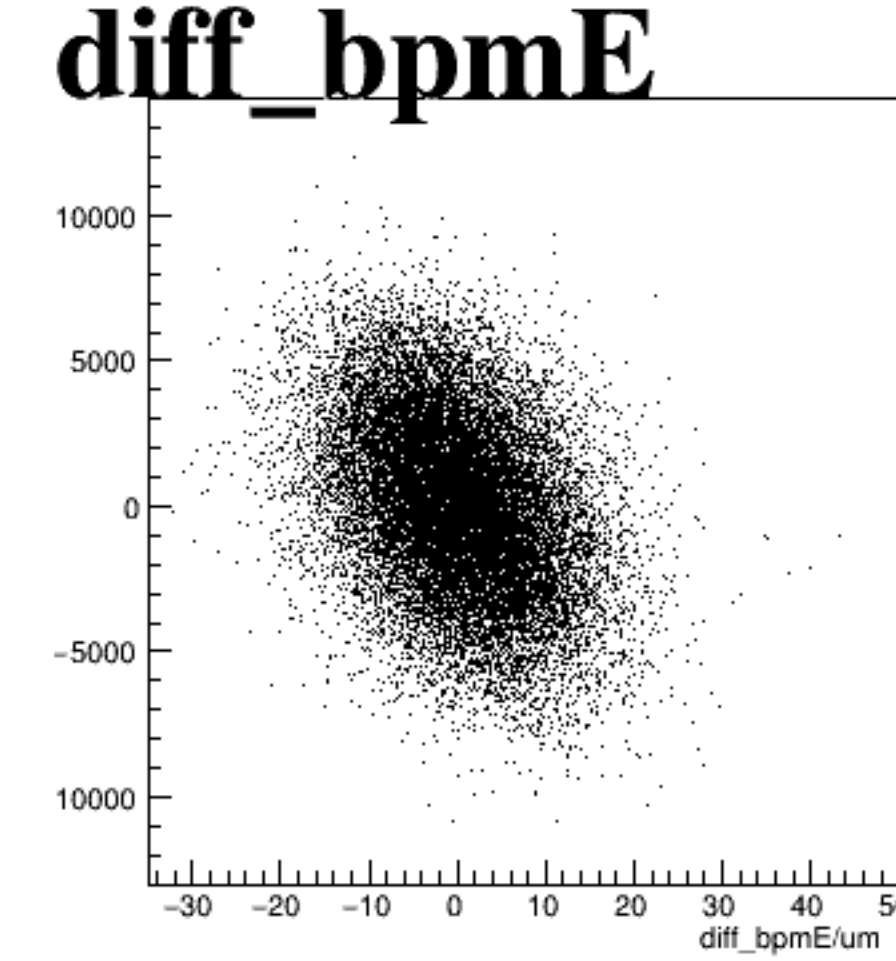
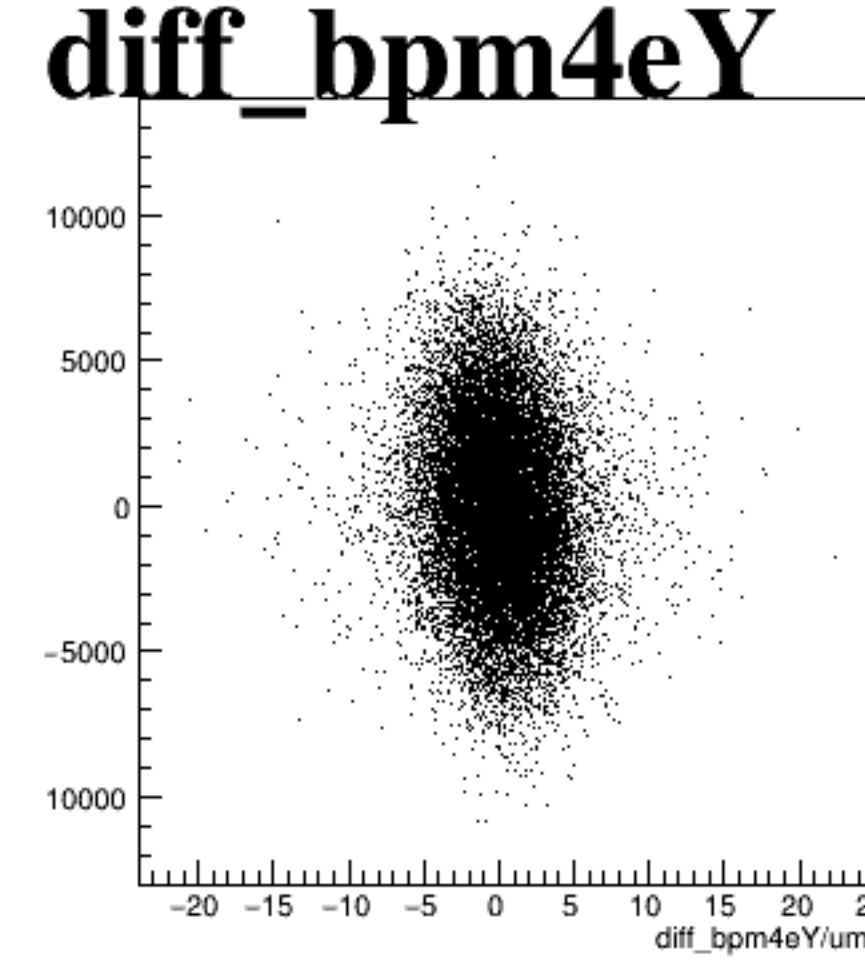
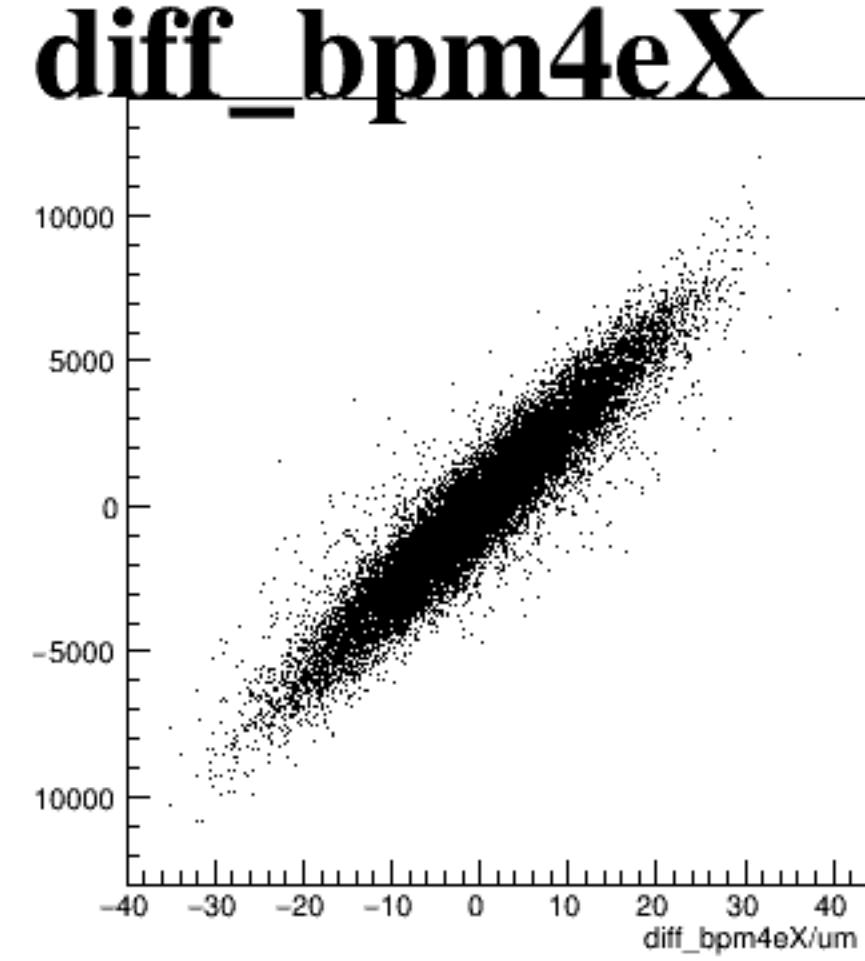
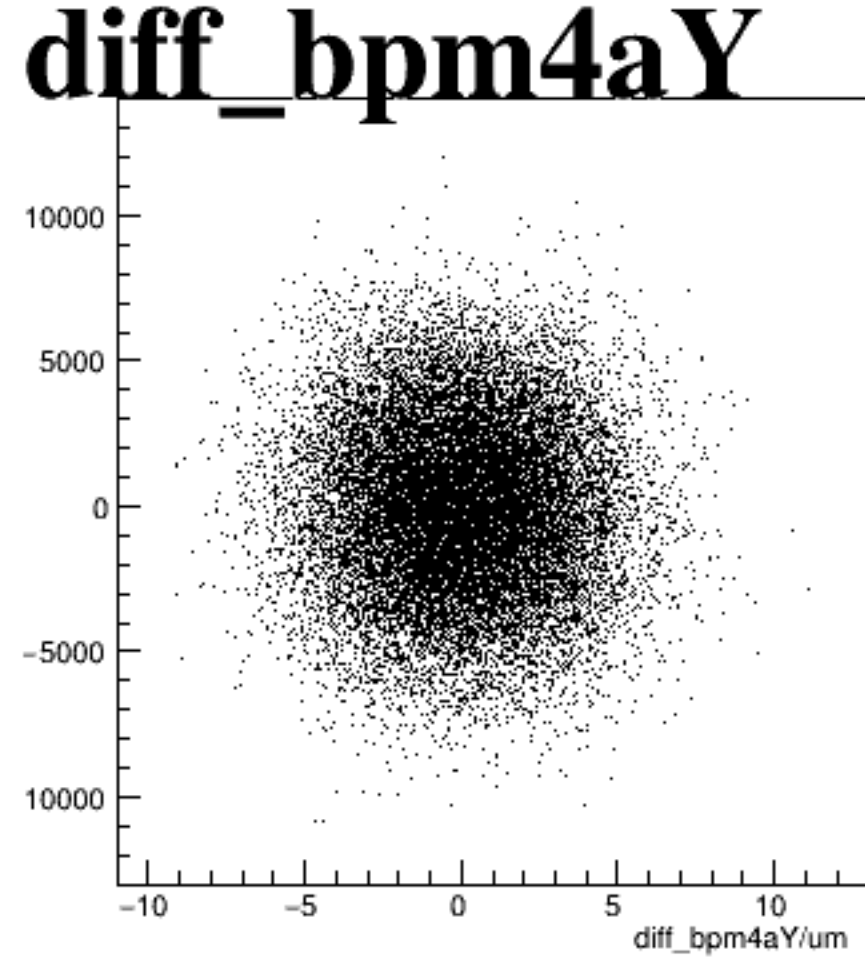
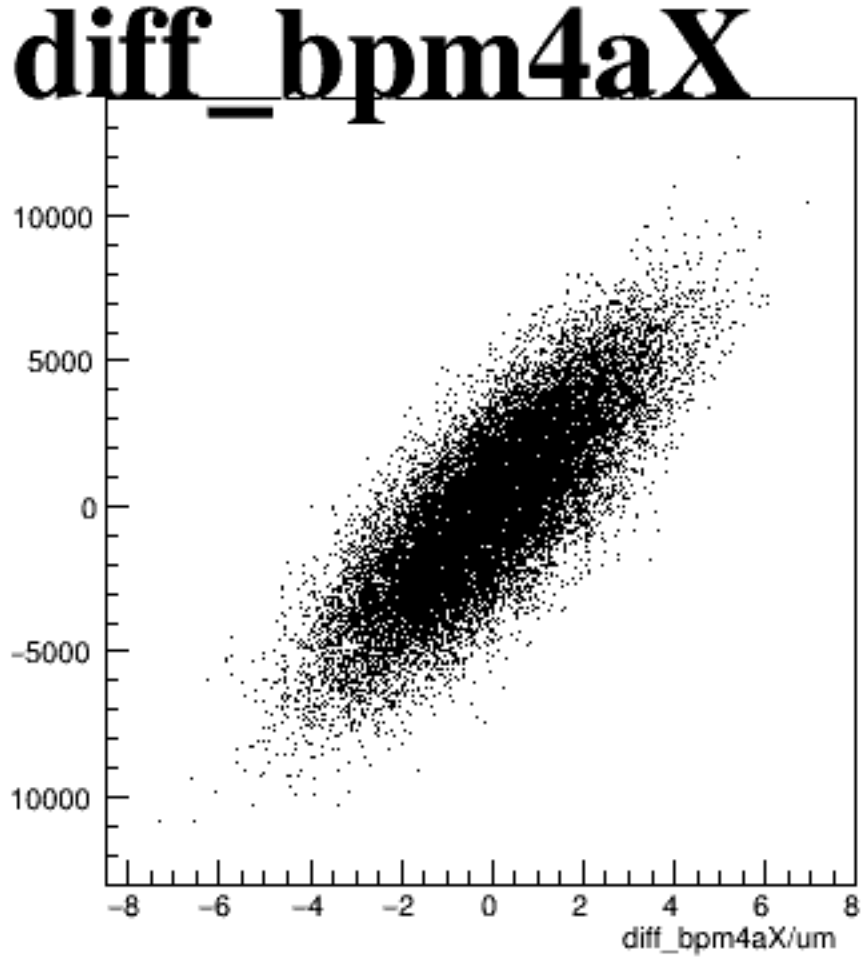
asym_sam2



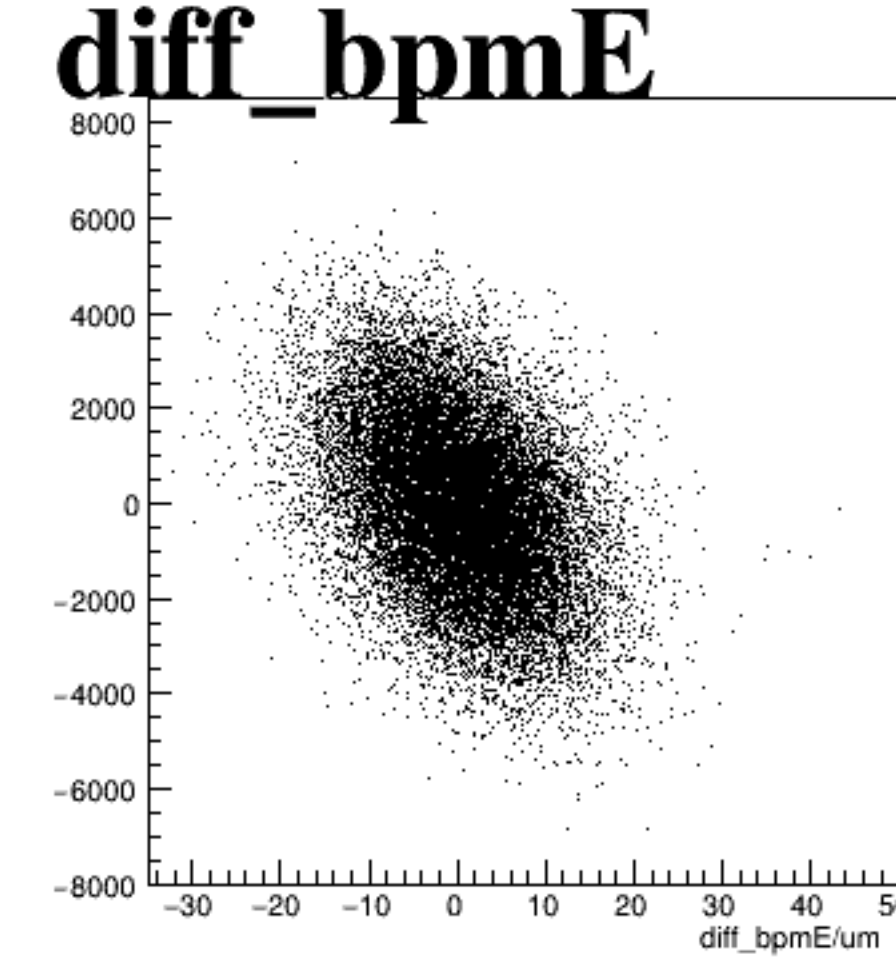
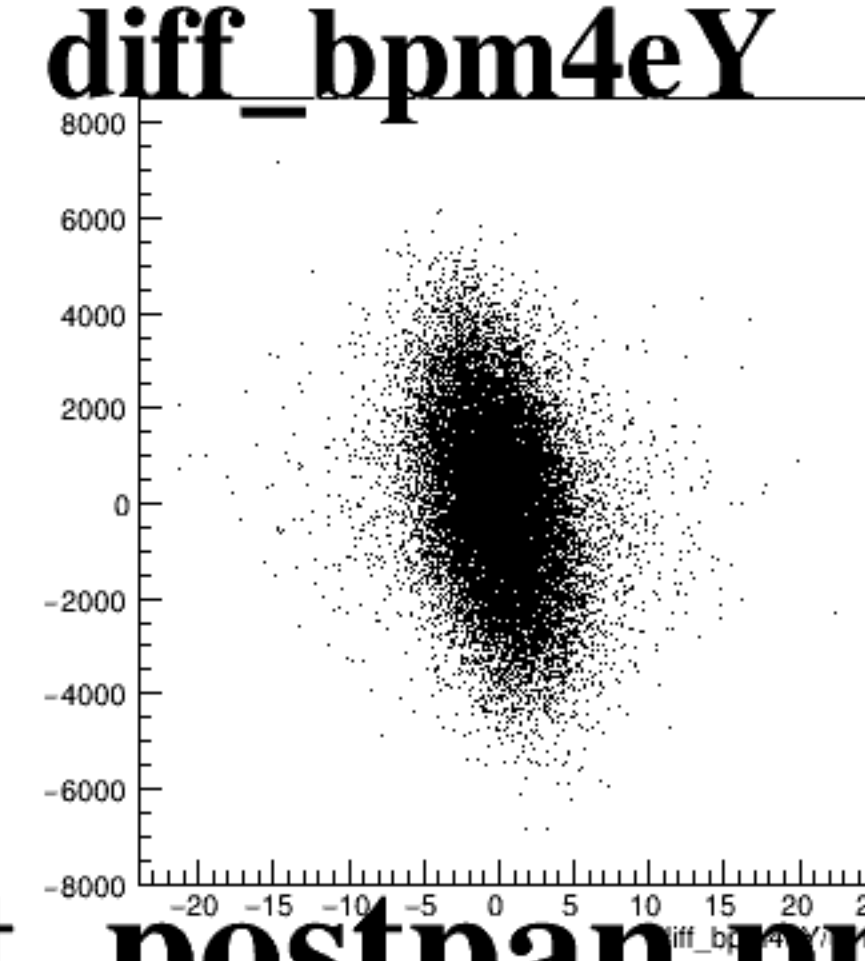
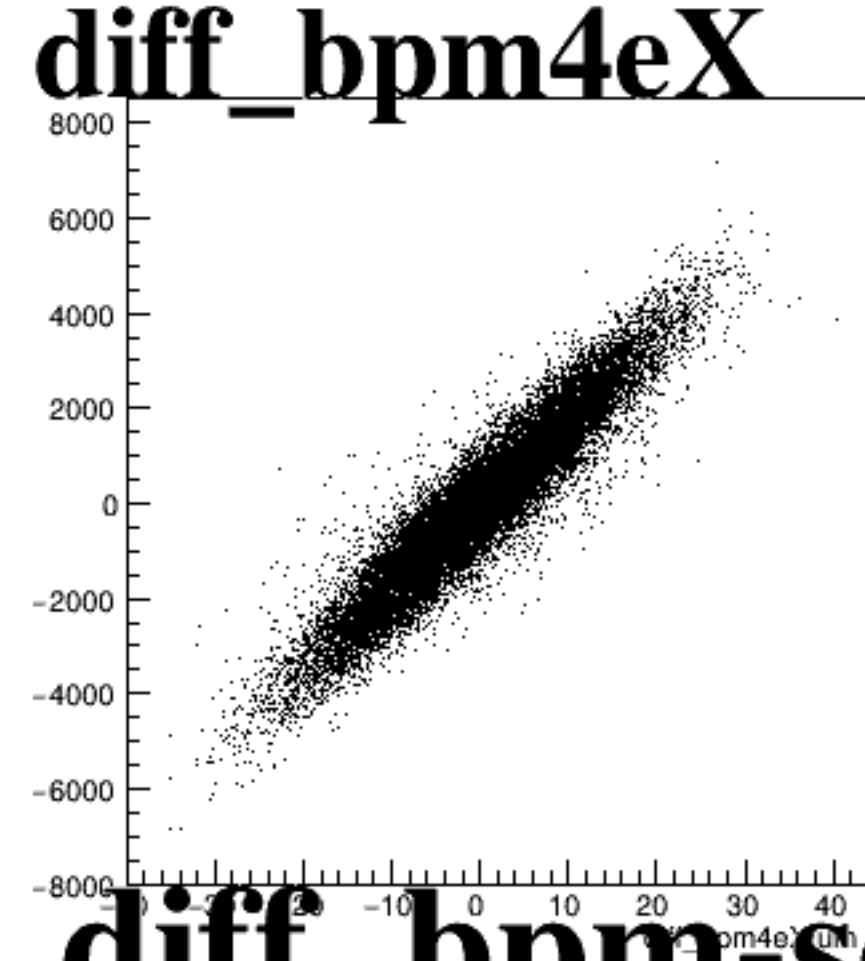
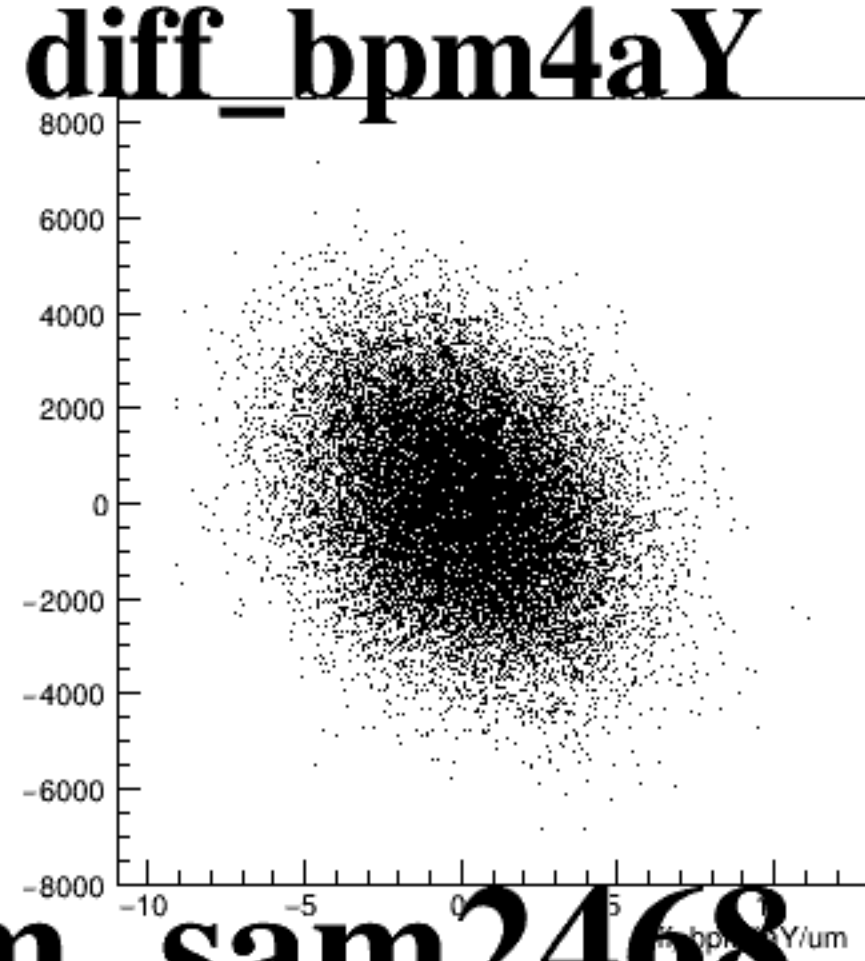
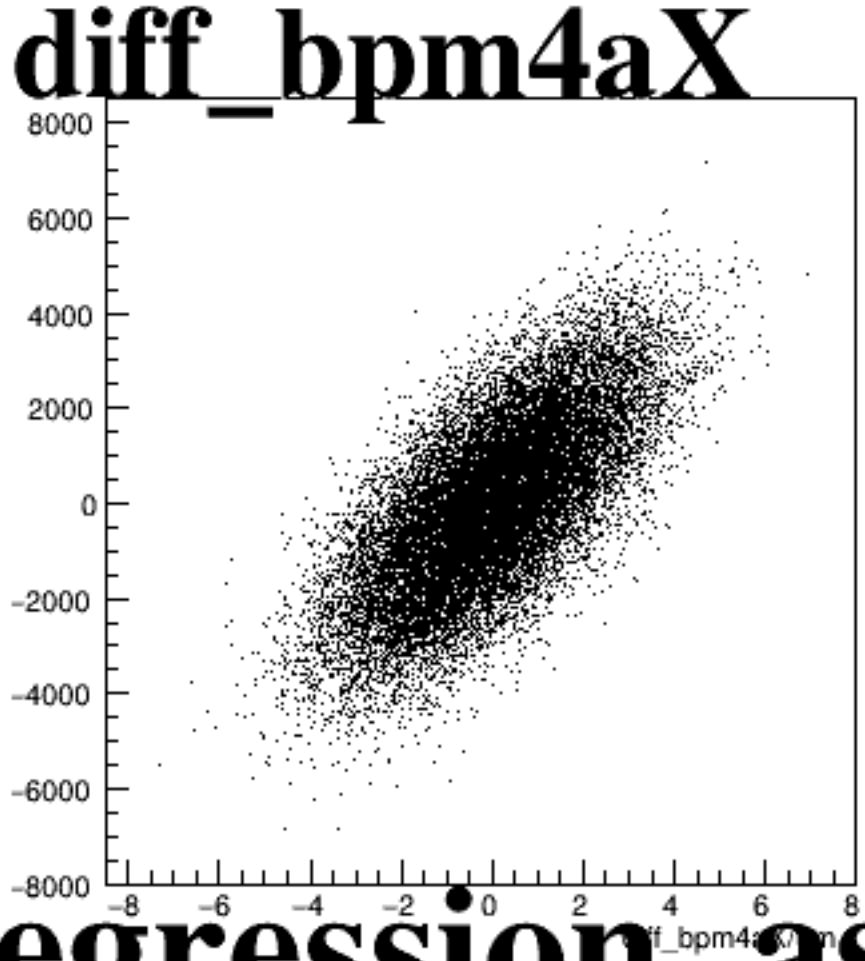
asym_sam4



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 is labeled 'diff_bpm' and ranges from -8000 to 8000. The x-axis for each plot is labeled 'diff_bpm[parameter]/um'.

- diff_bpm4aX**: The x-axis ranges from -8 to 8. The data points are centered around 0.
- diff_bpm4aY**: The x-axis ranges from -10 to 10. The data points are centered around 0.
- diff_bpm4eX**: The x-axis ranges from -40 to 40. The data points are centered around 0.
- diff_bpm4eY**: The x-axis ranges from -20 to 25. The data points are centered around 0.
- diff_bpmE**: The x-axis ranges from -30 to 50. The data points are centered around 0.

All plots show a dense, roughly circular distribution of points centered at the origin, indicating that the difference in BPM is small and centered around zero for all parameters.

The figure consists of five scatter plots arranged horizontally, each showing the distribution of diffraction orders for a specific BPM. The plots are titled 'diff_bpm4aX', 'diff_bpm4aY', 'diff_bpm4eX', 'diff_bpm4eY', and 'diff_bpmE'. Each plot has a y-axis ranging from -2000 to 3000 and an x-axis ranging from -8 to 8, -10 to 10, -40 to 40, -20 to 25, and -30 to 50 respectively. The data points are densely clustered around the origin, indicating a high concentration of diffraction orders near zero.

diff_bpm4aX

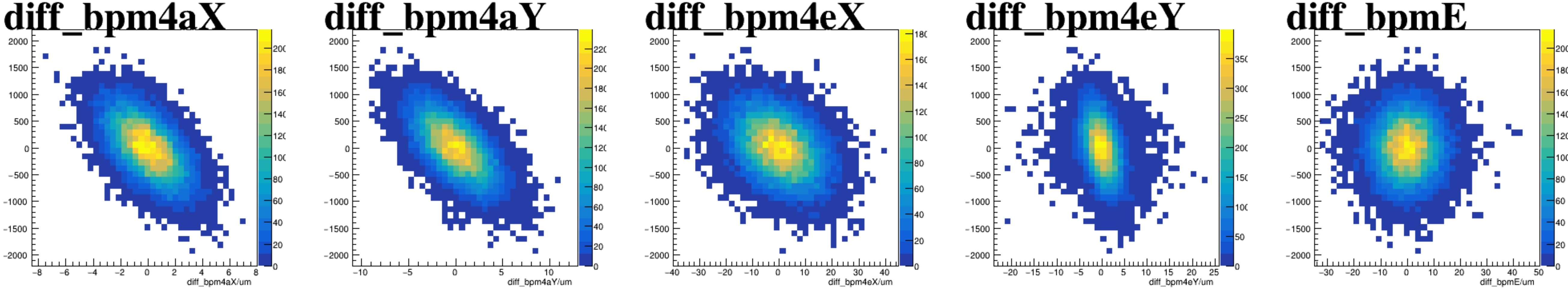
diff_bpm4aY

diff_bpm4eX

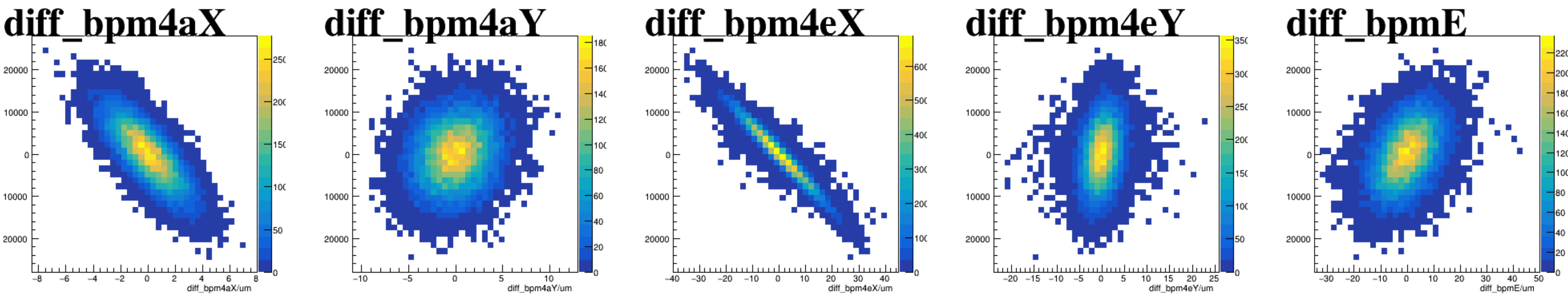
diff_bpm4eY

diff_bpmE

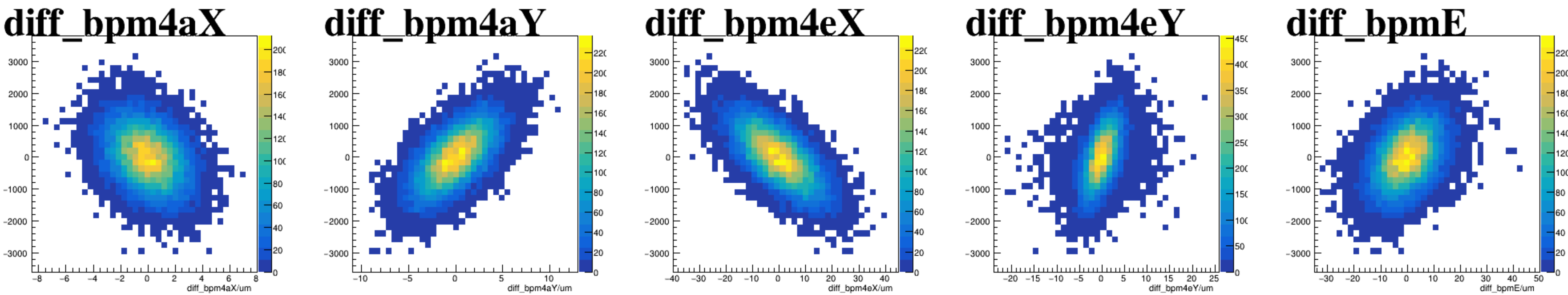
asym_sam1



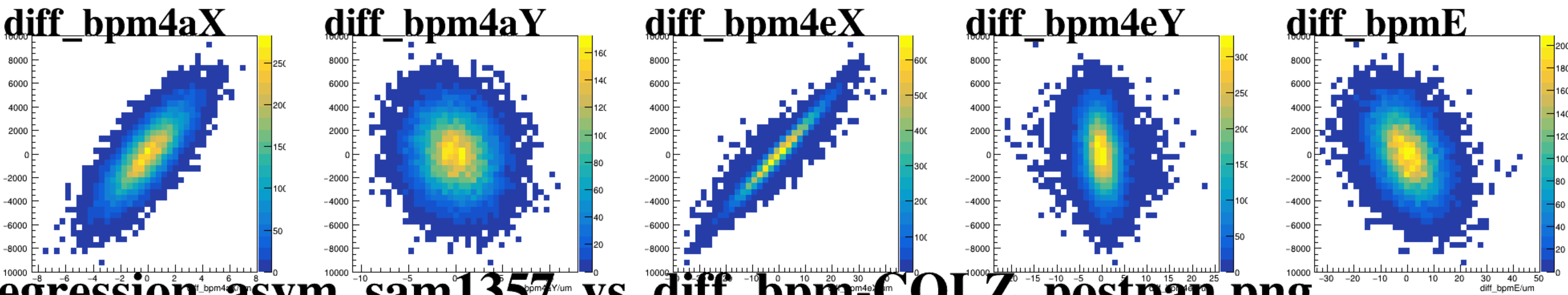
asym_sam3



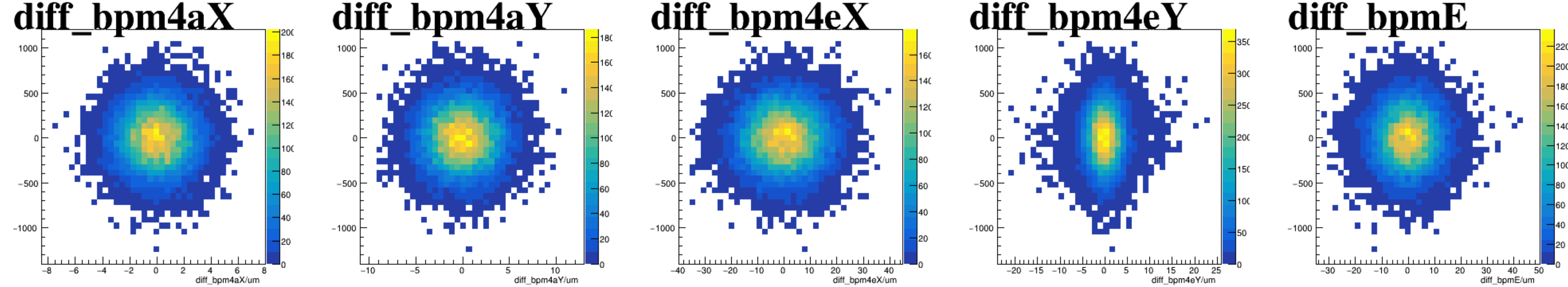
asym_sam5



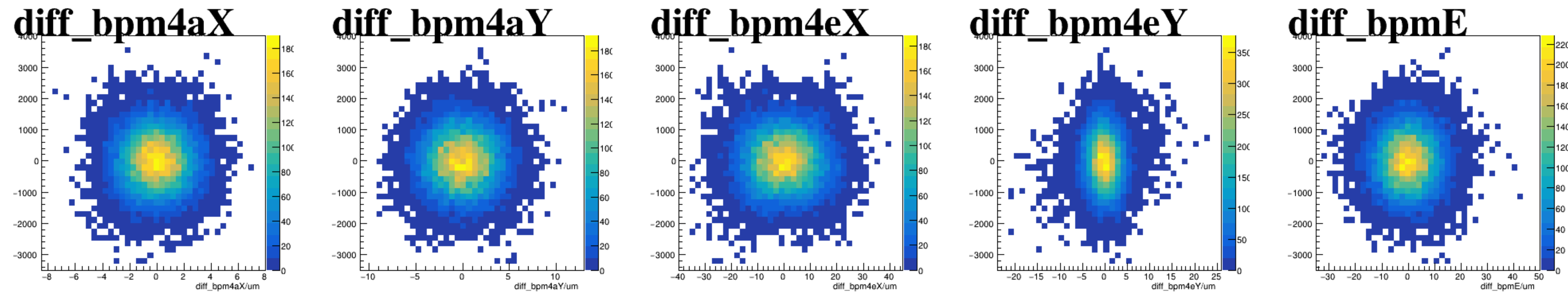
asym_sam7



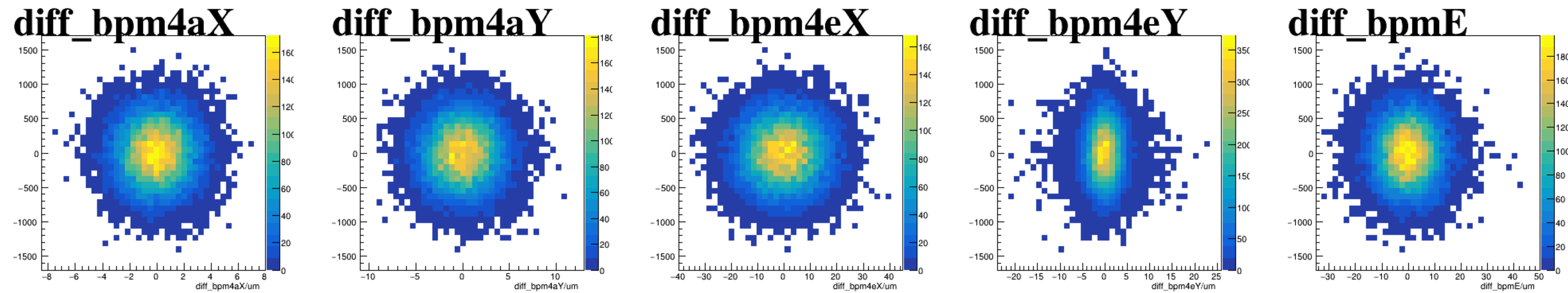
reg_asym_sam1



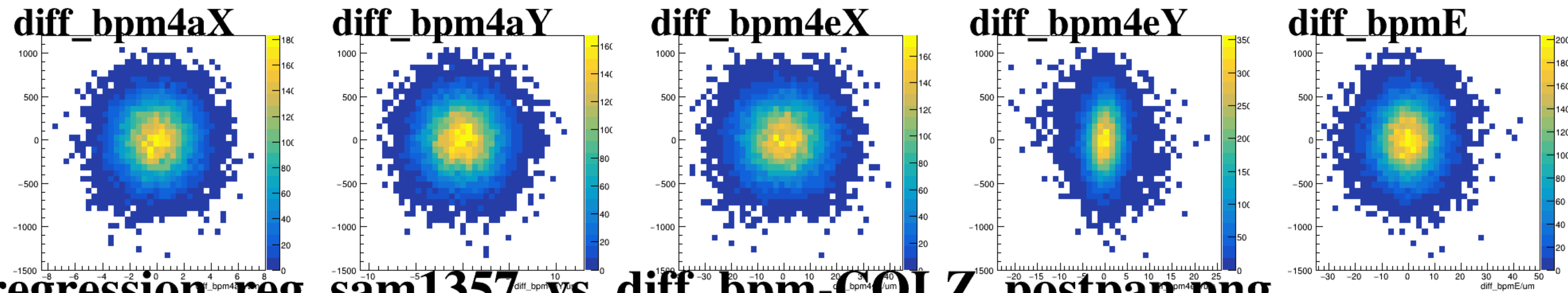
reg_asym_sam3



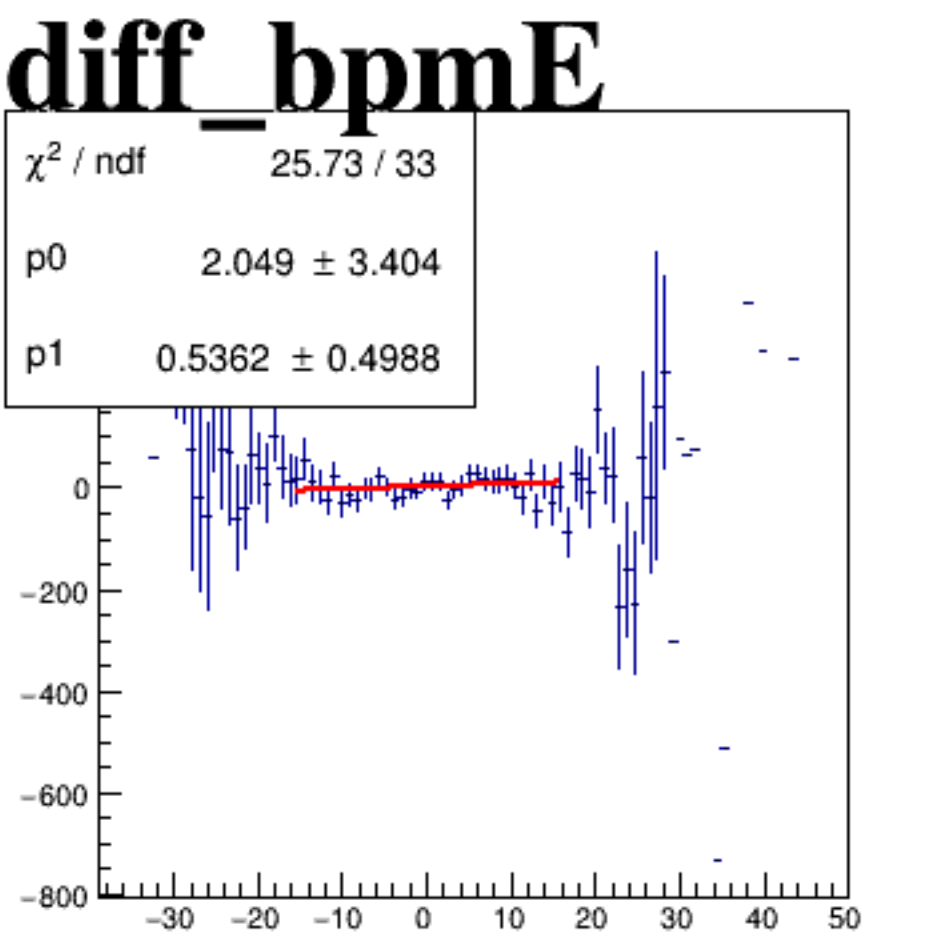
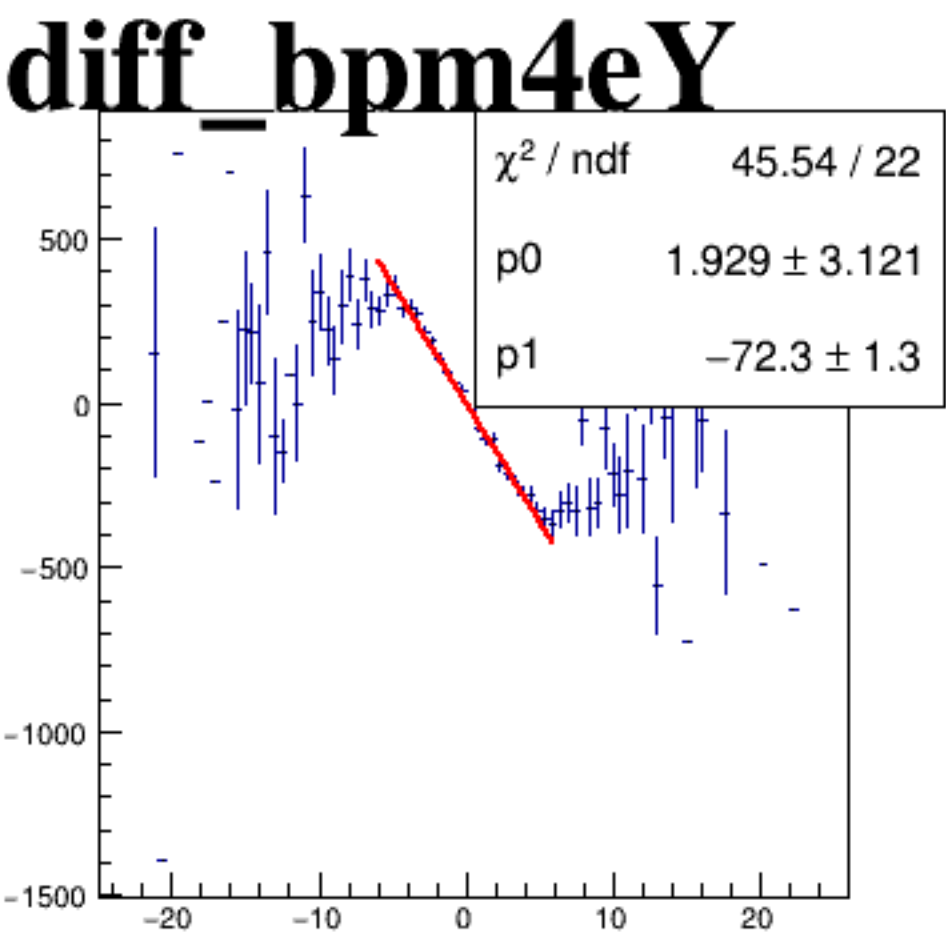
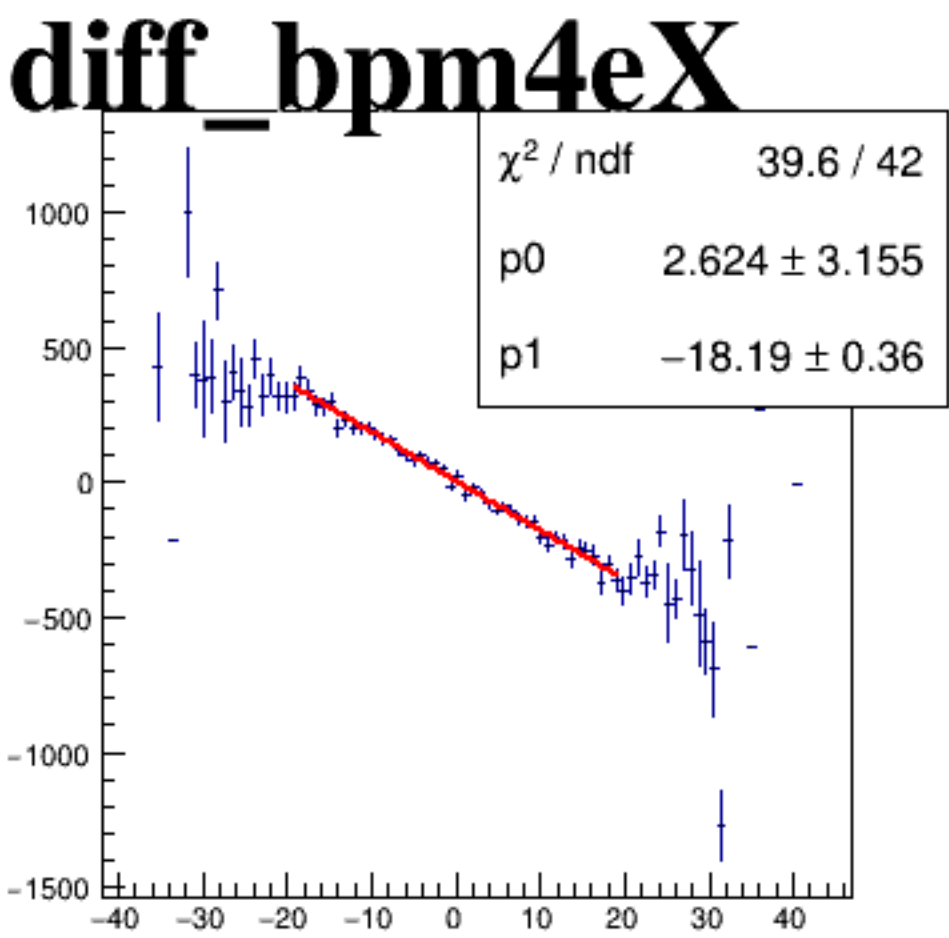
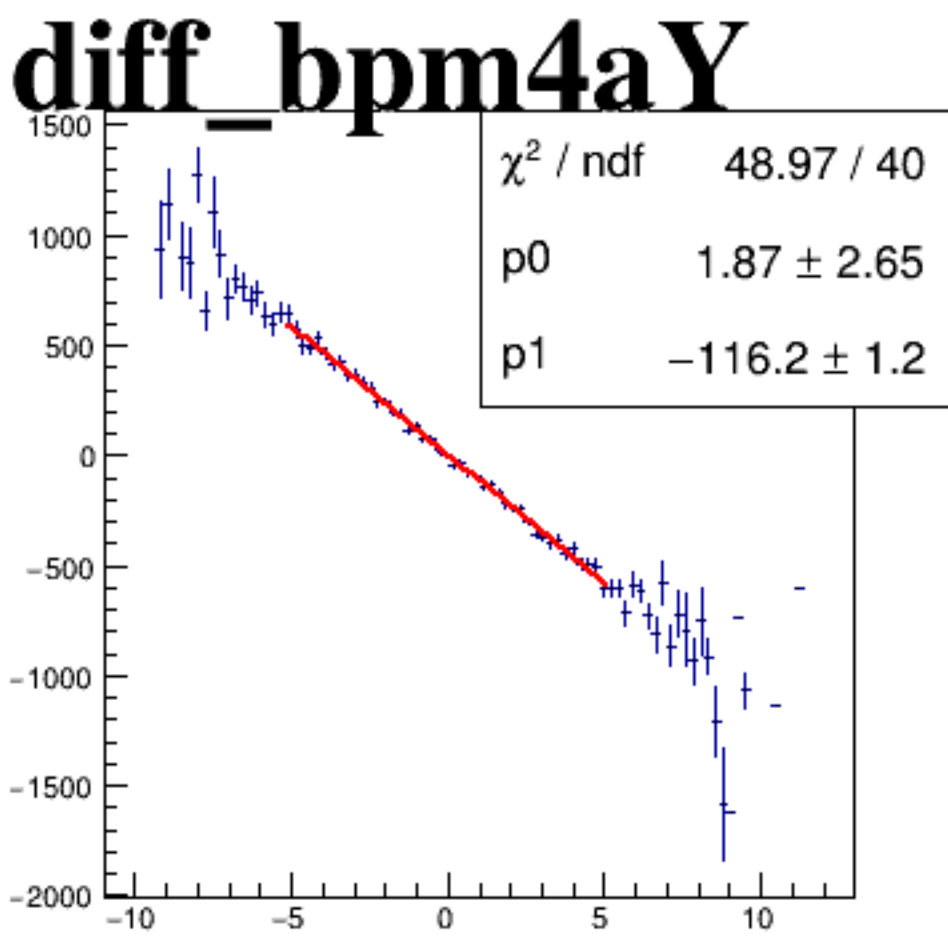
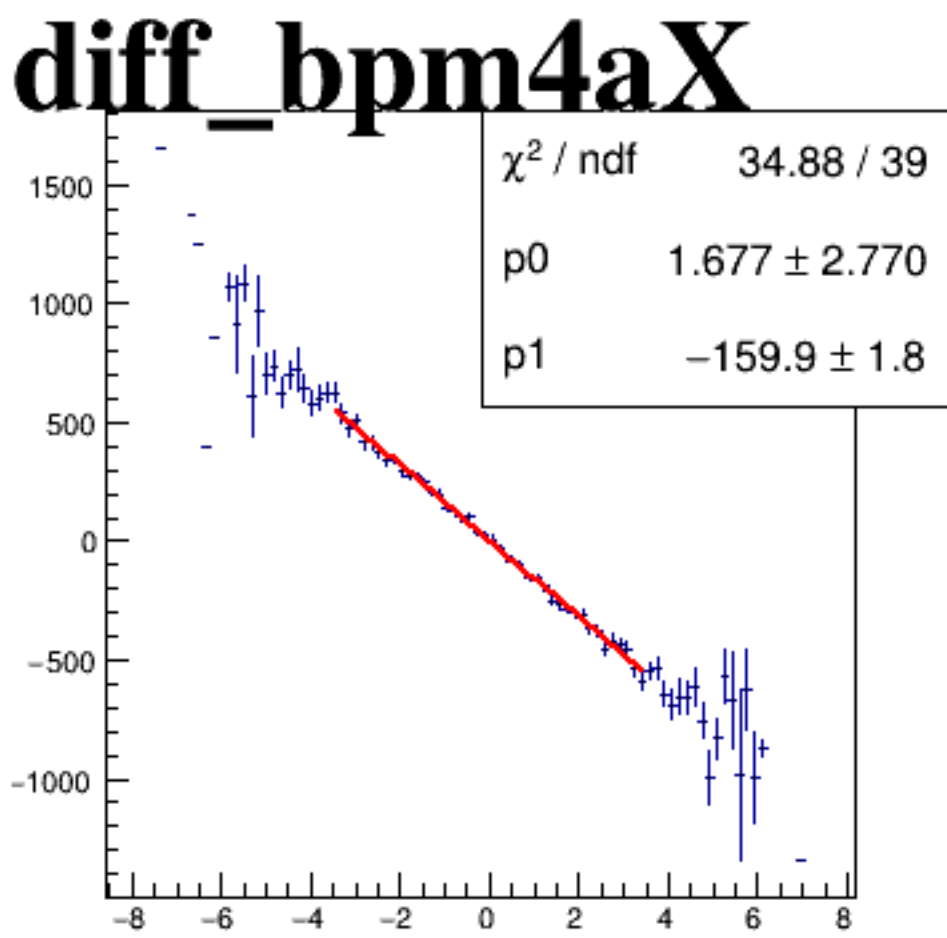
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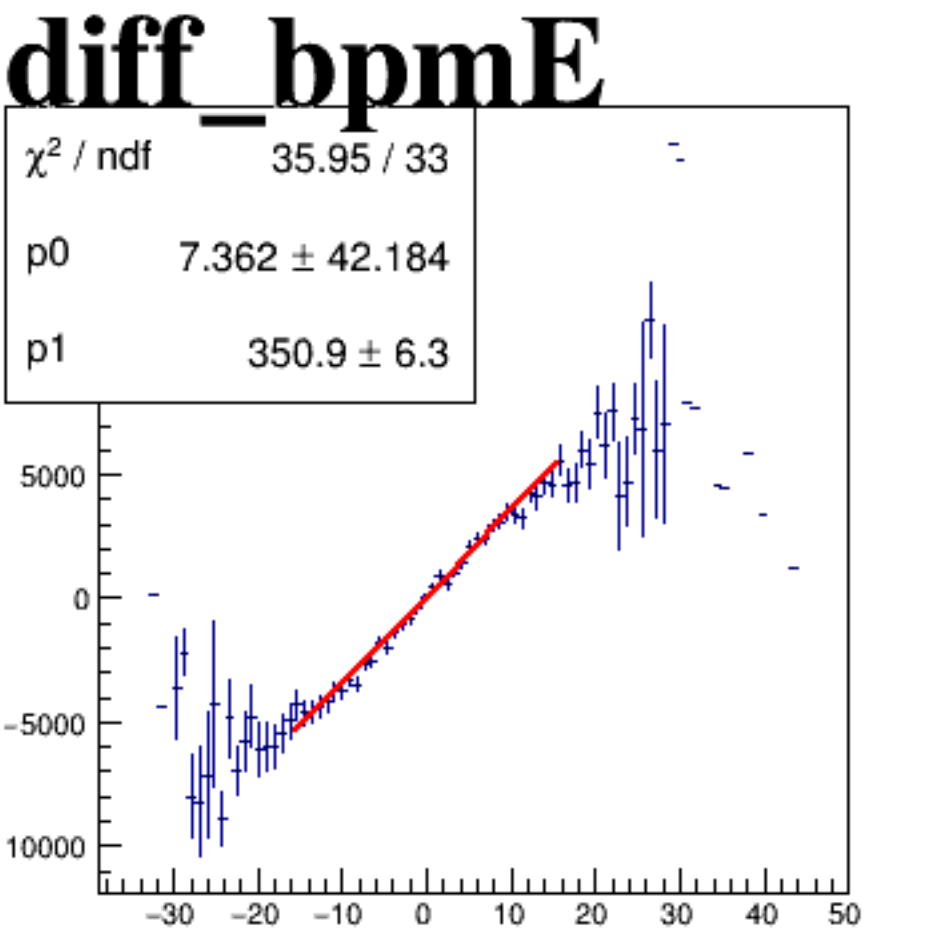
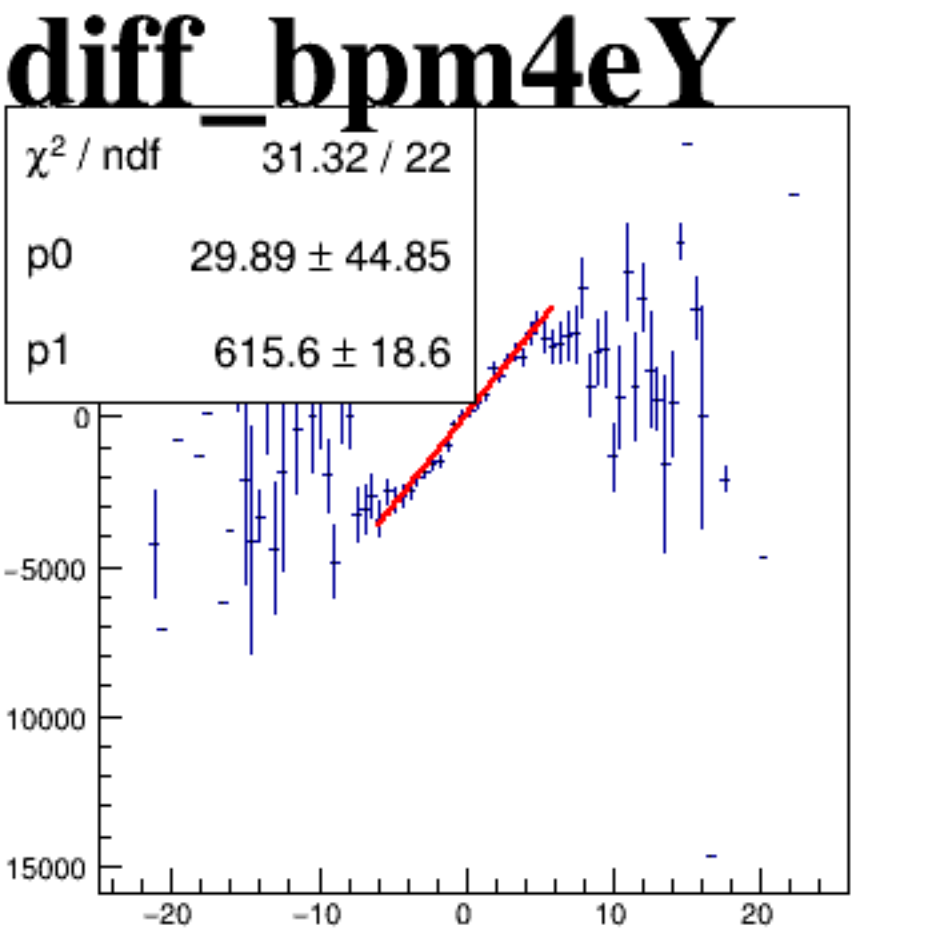
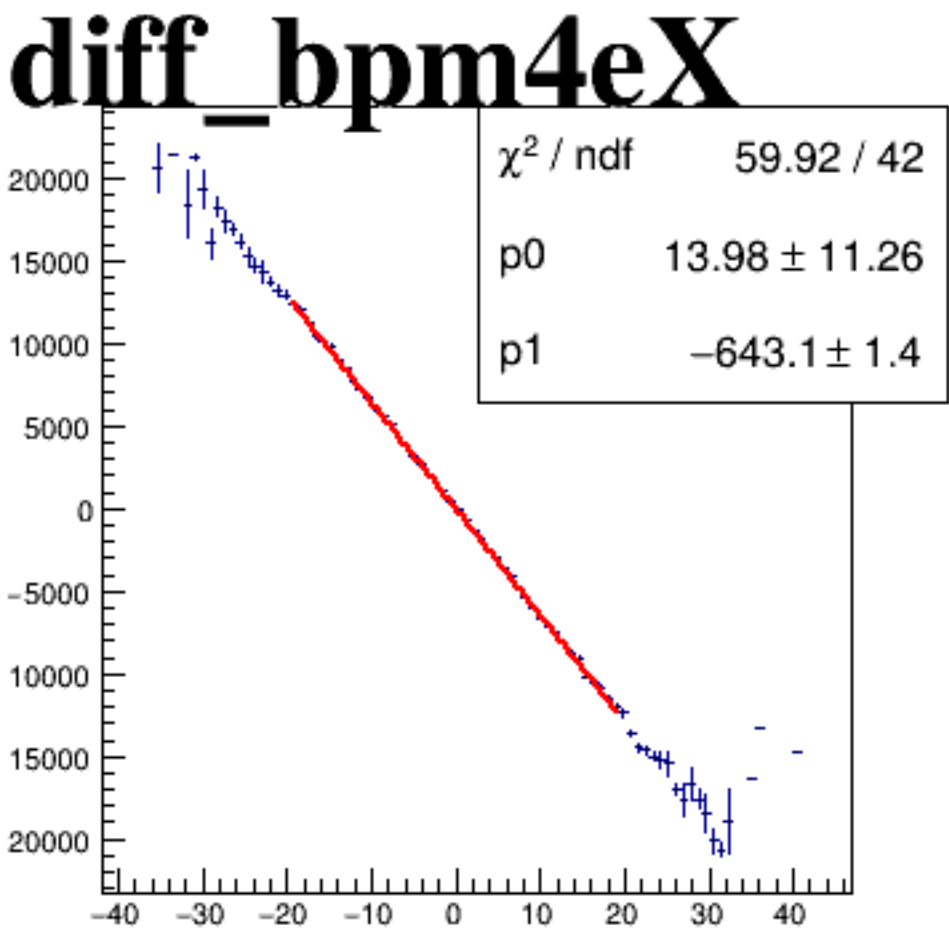
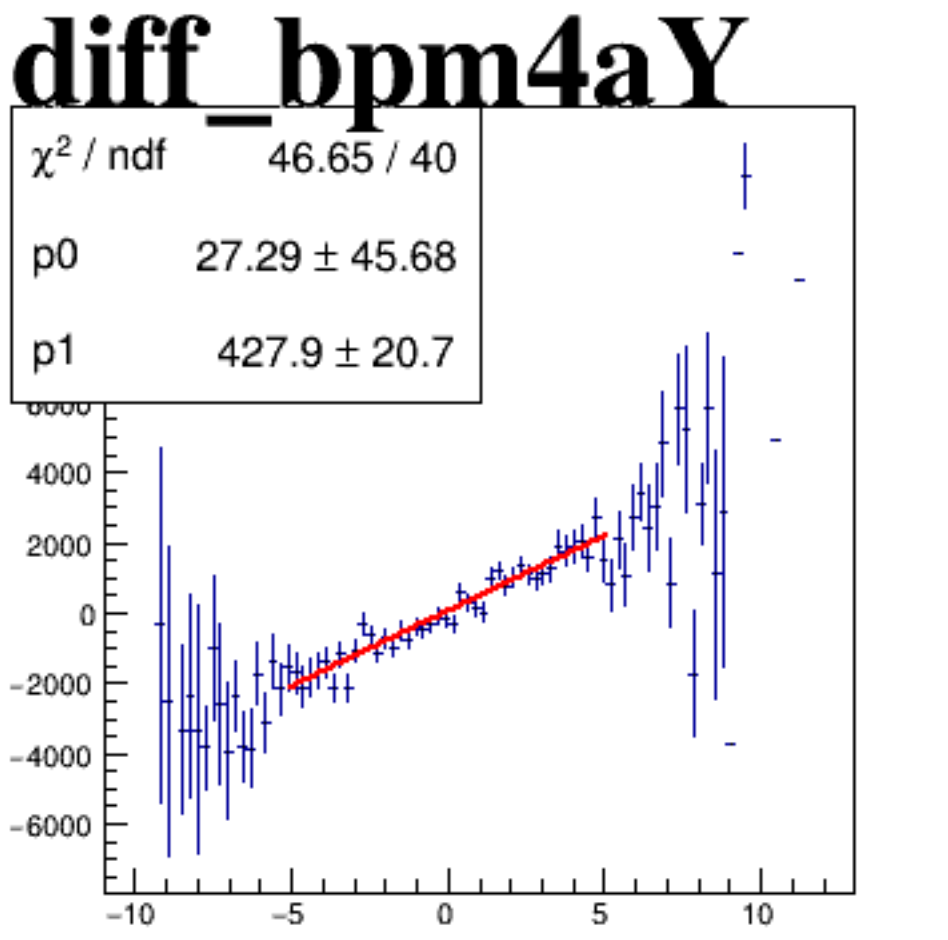
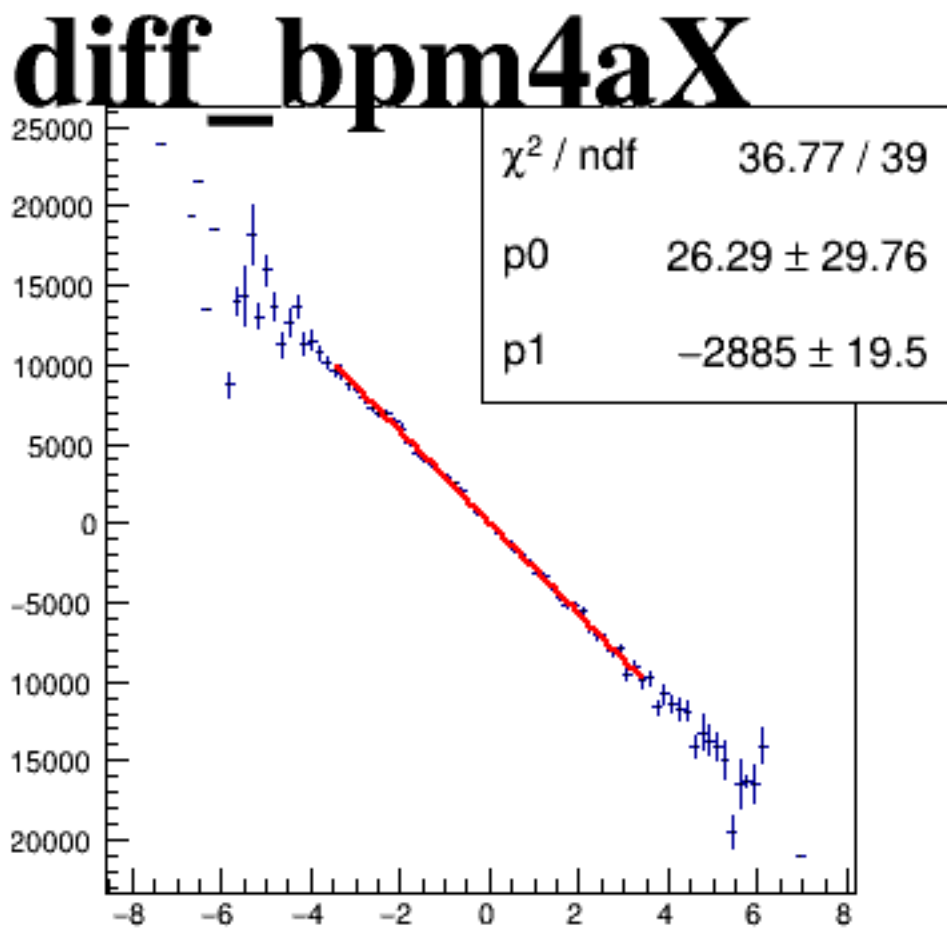
reg_asym_sam7



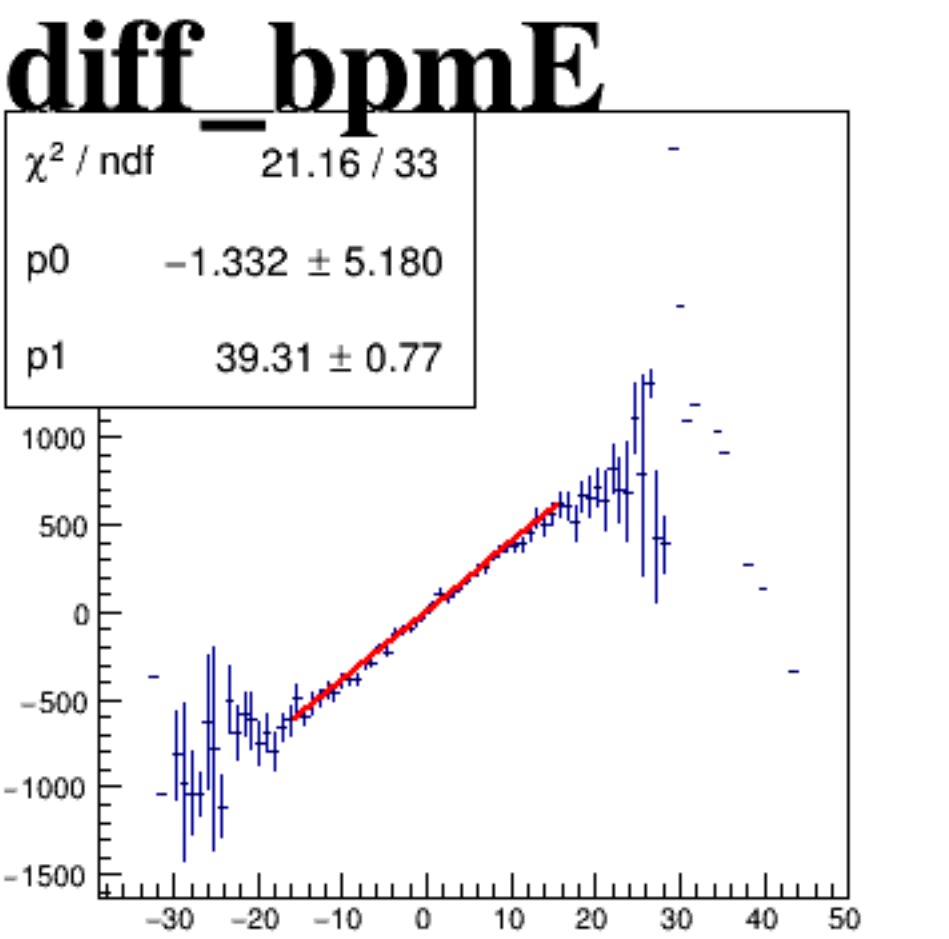
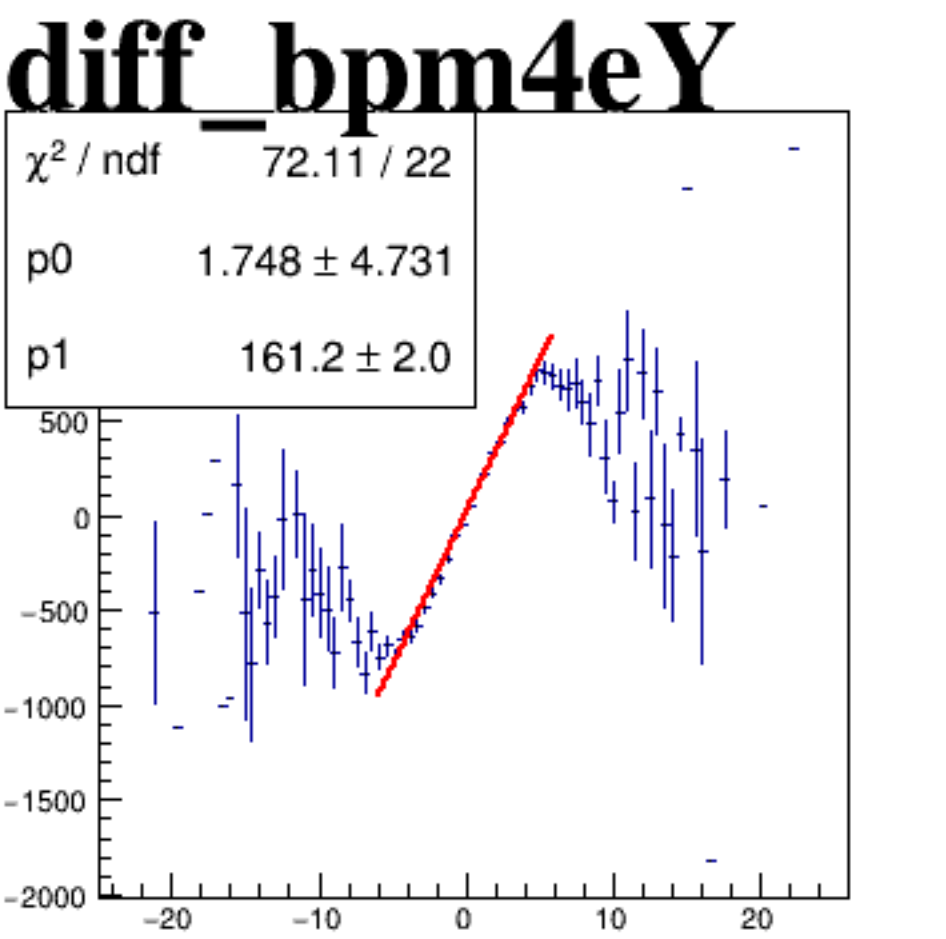
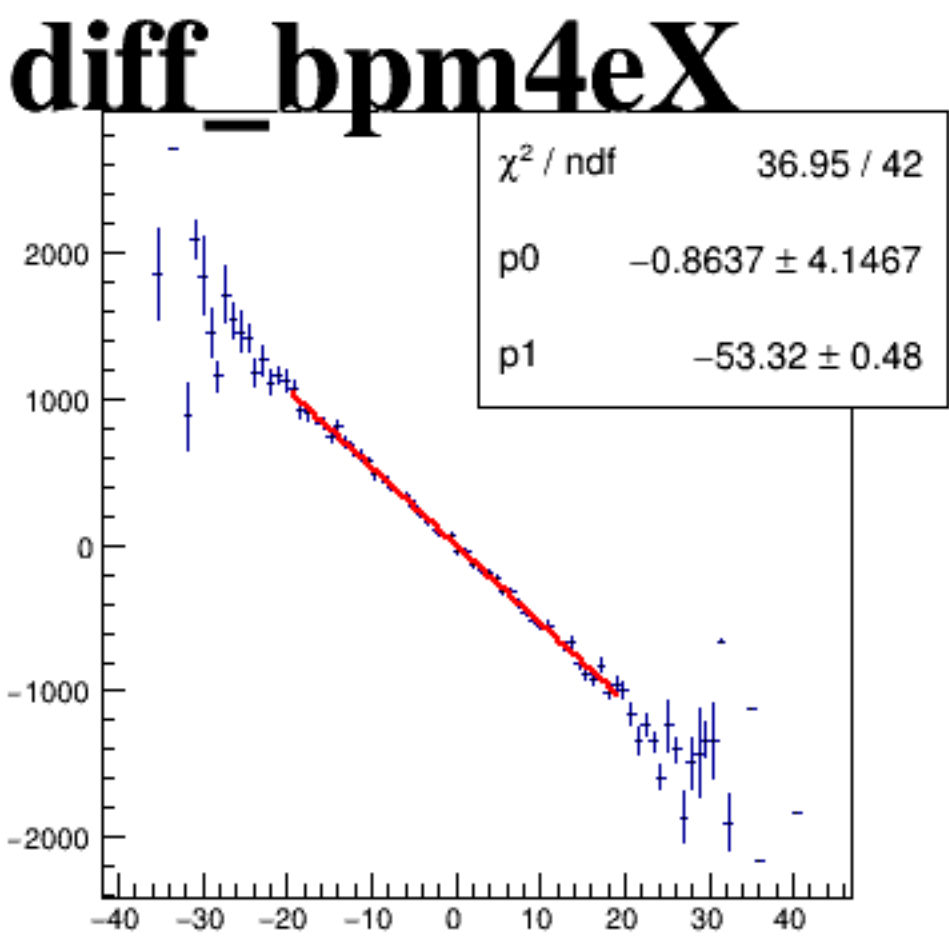
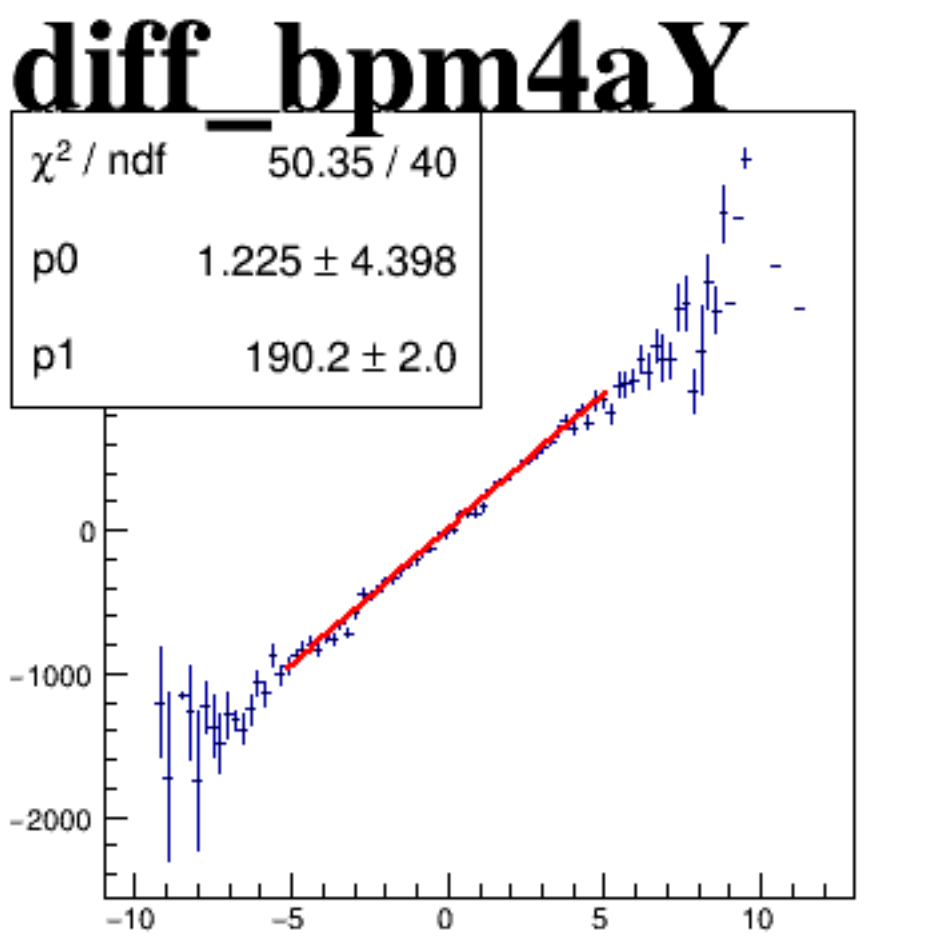
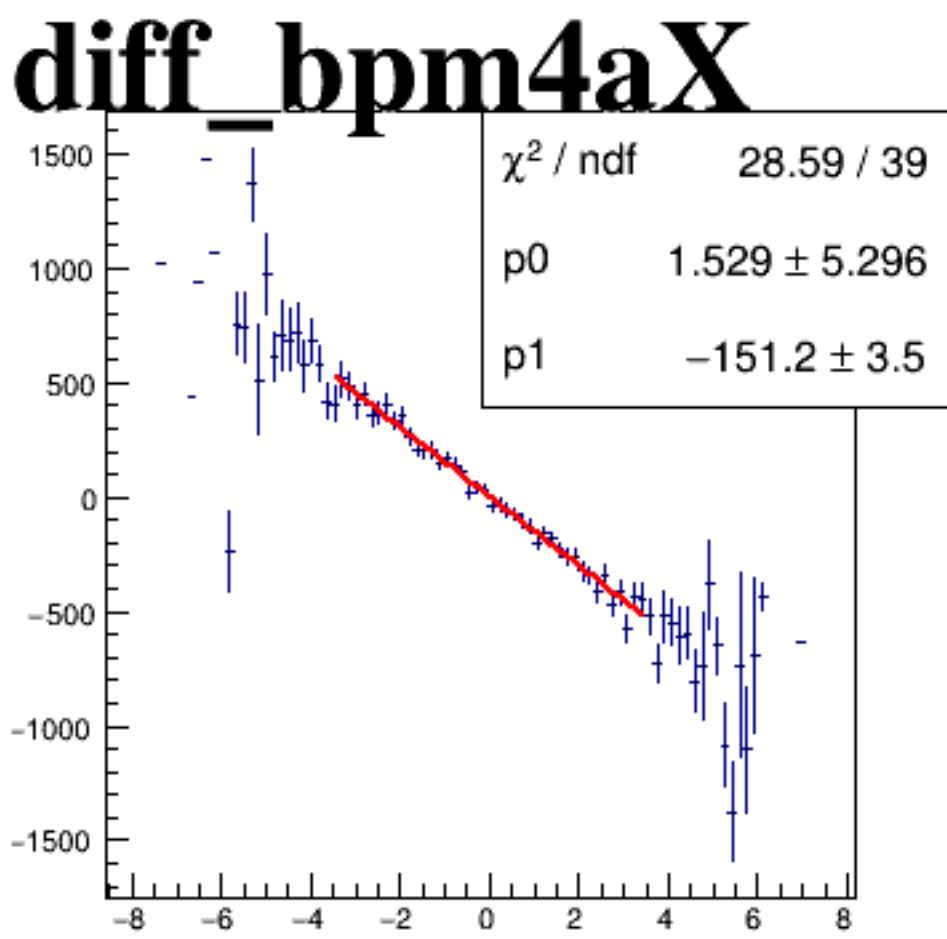
asym_sam1



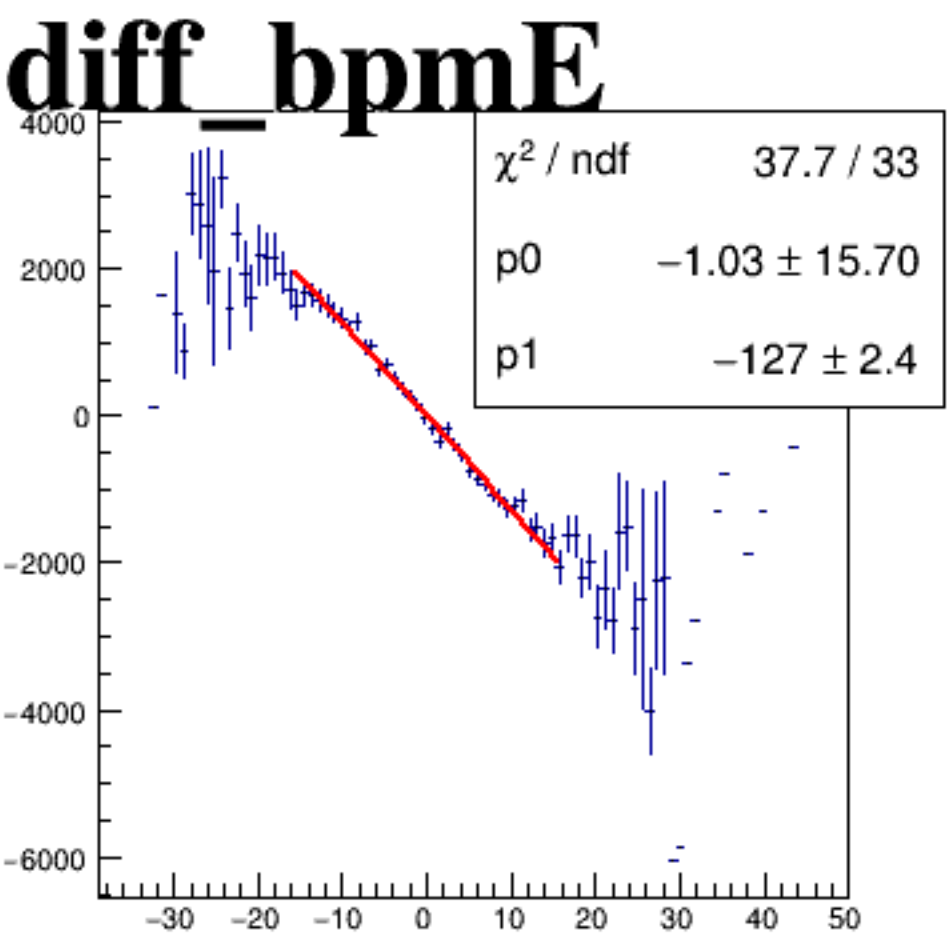
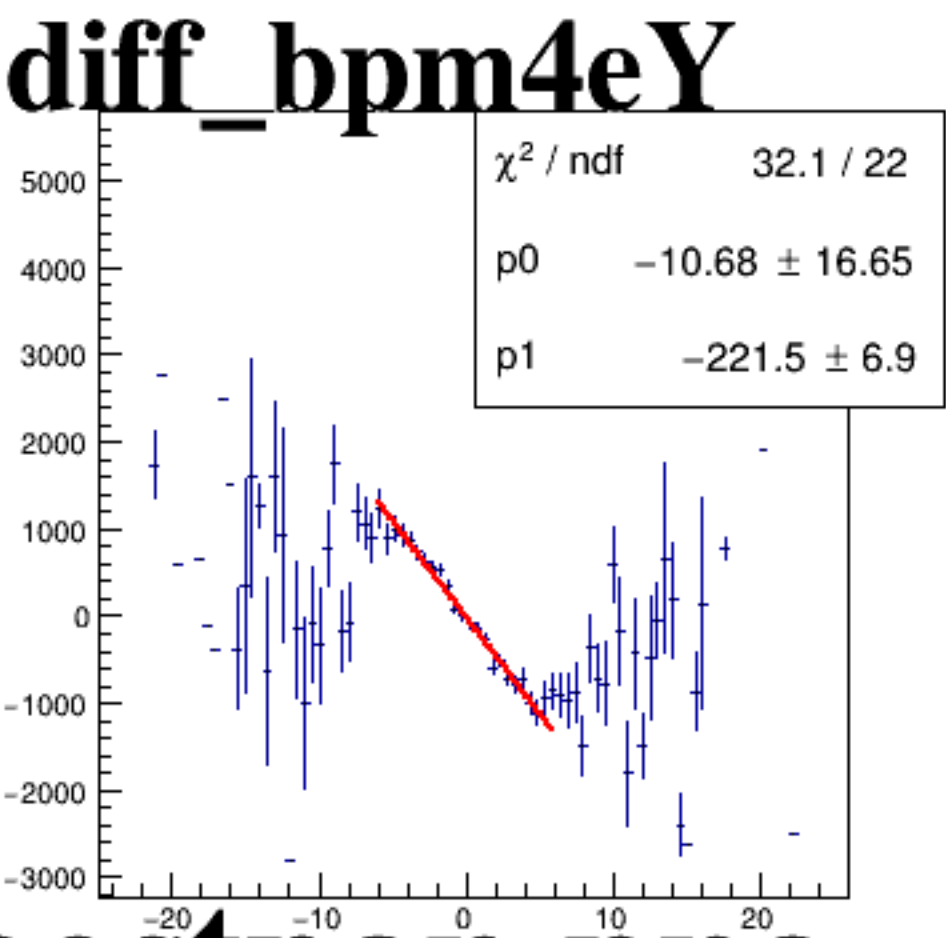
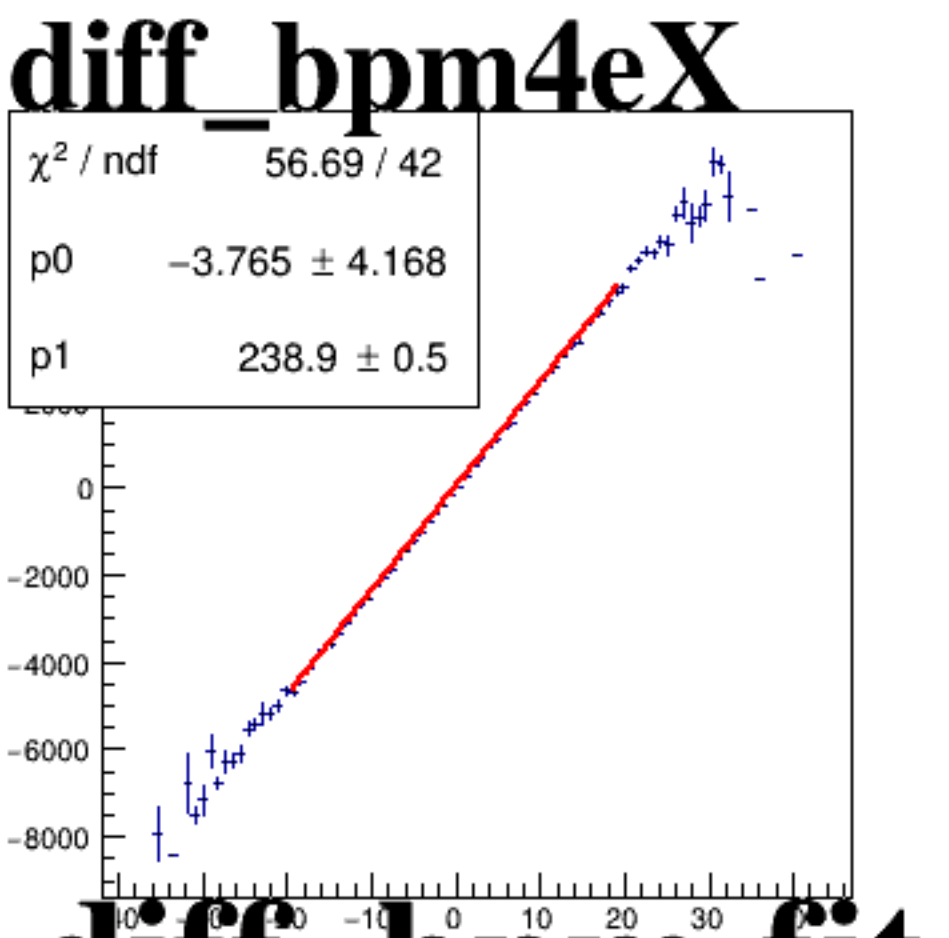
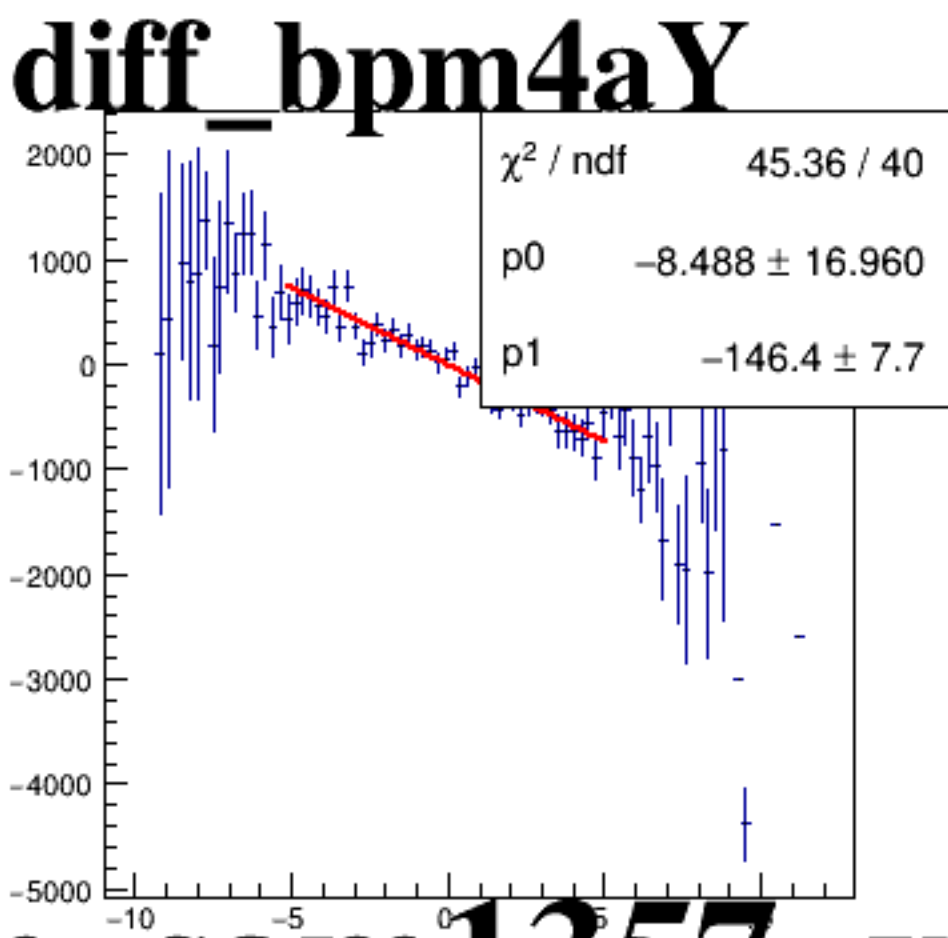
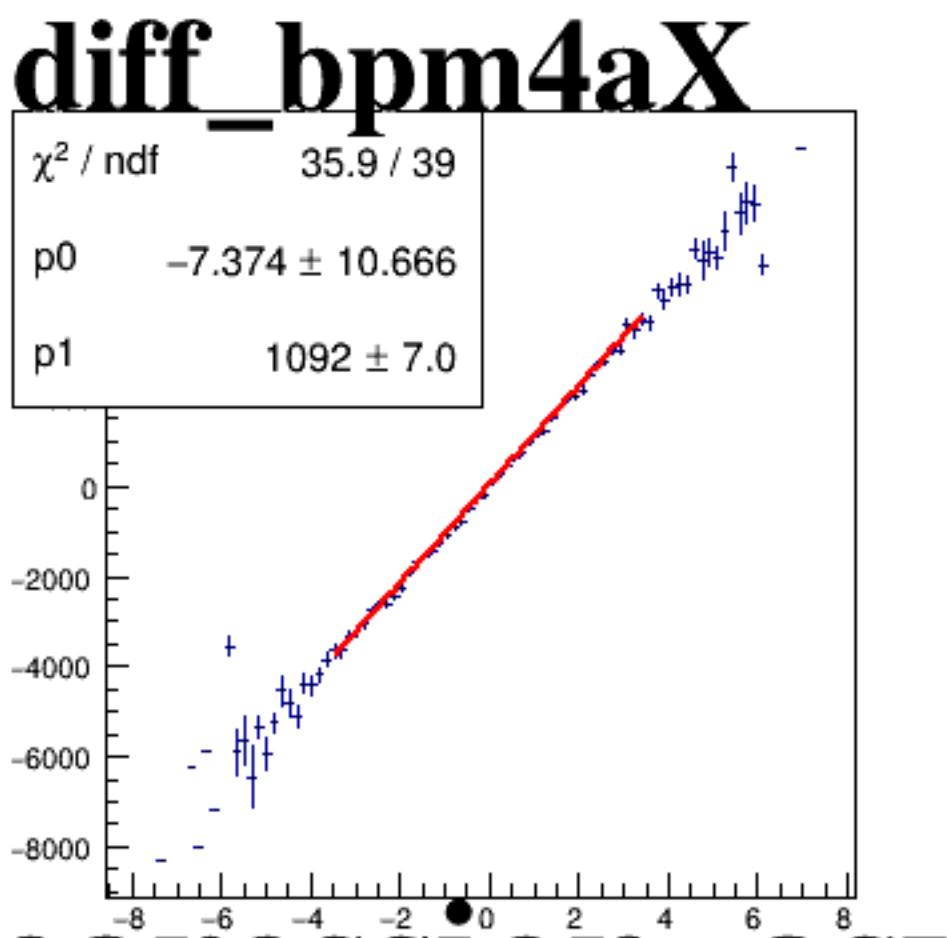
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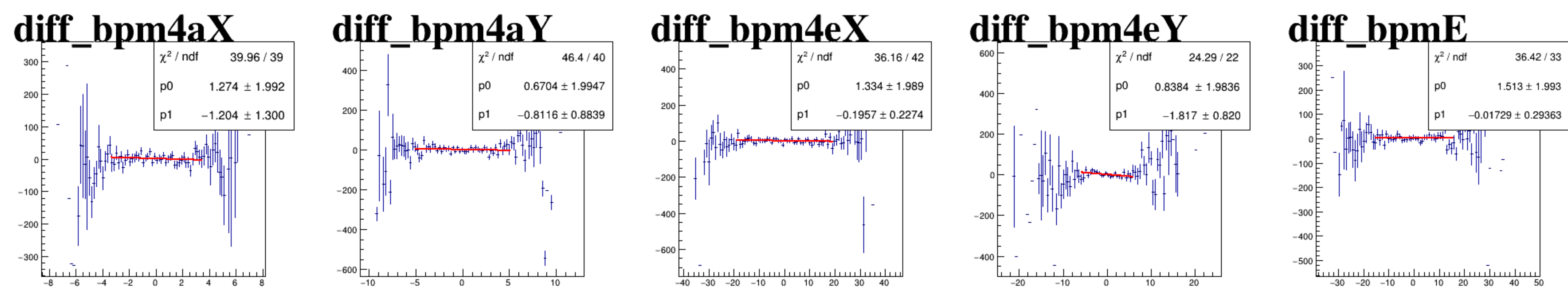
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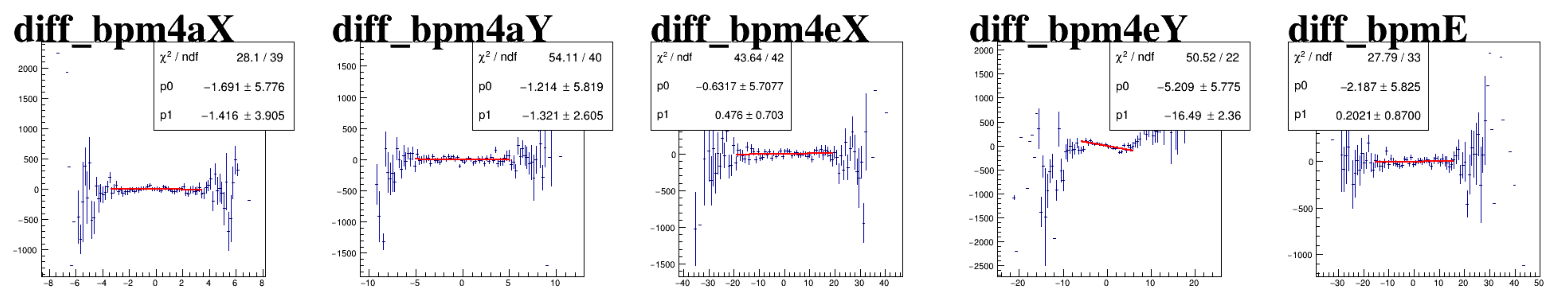
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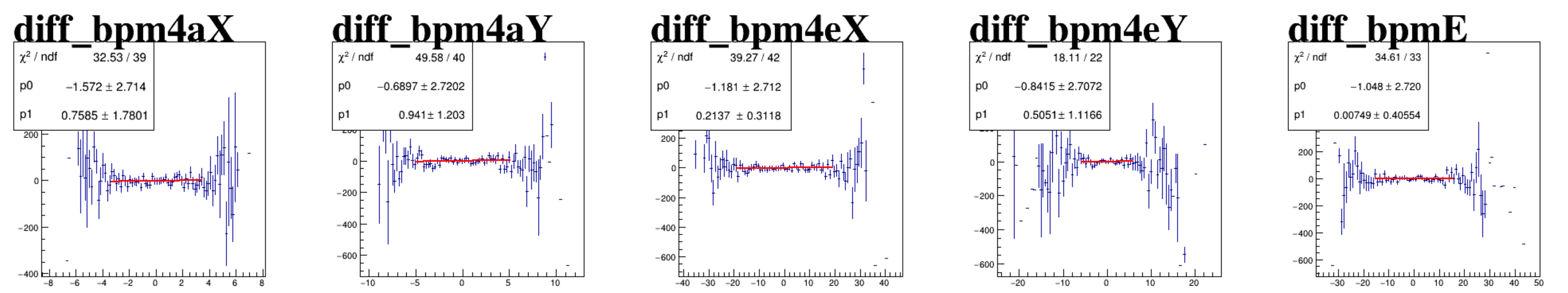
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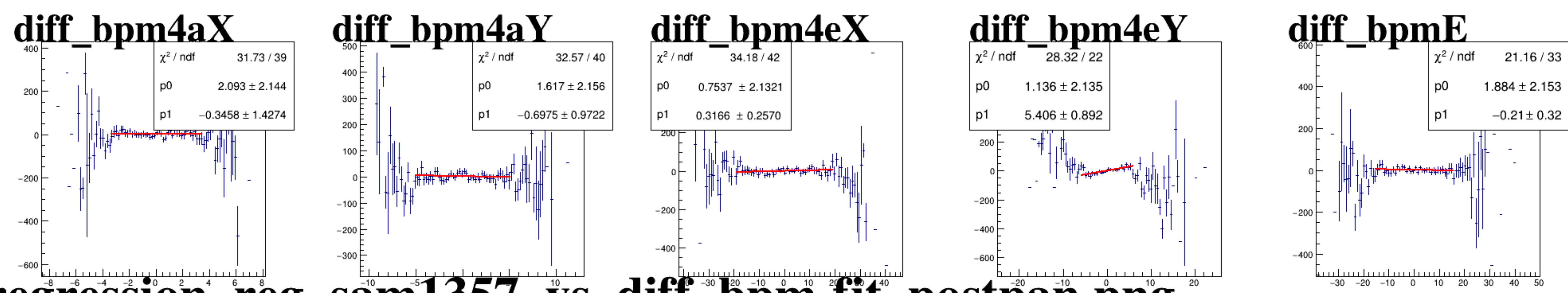
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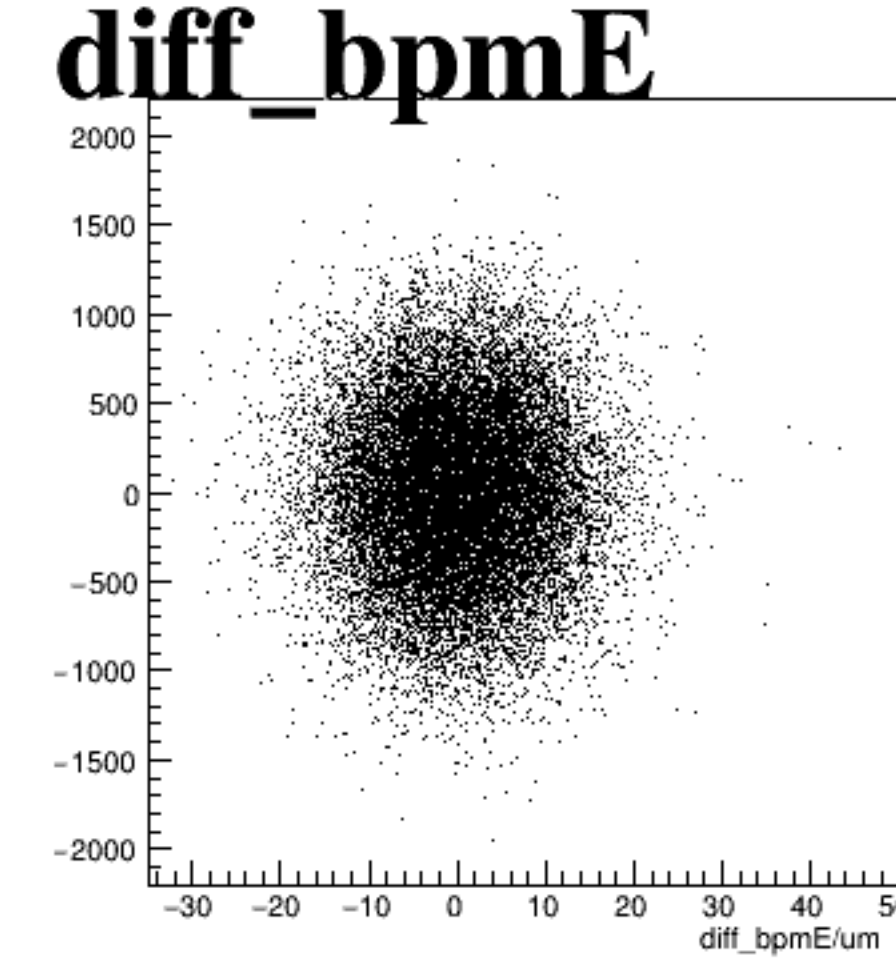
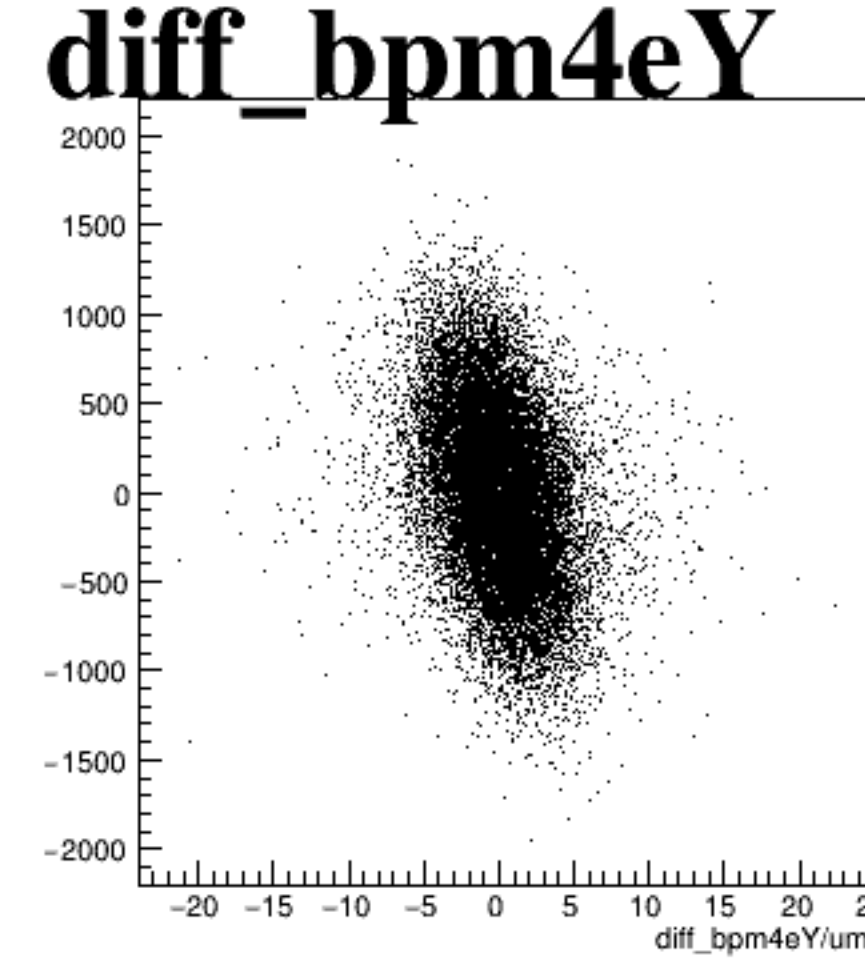
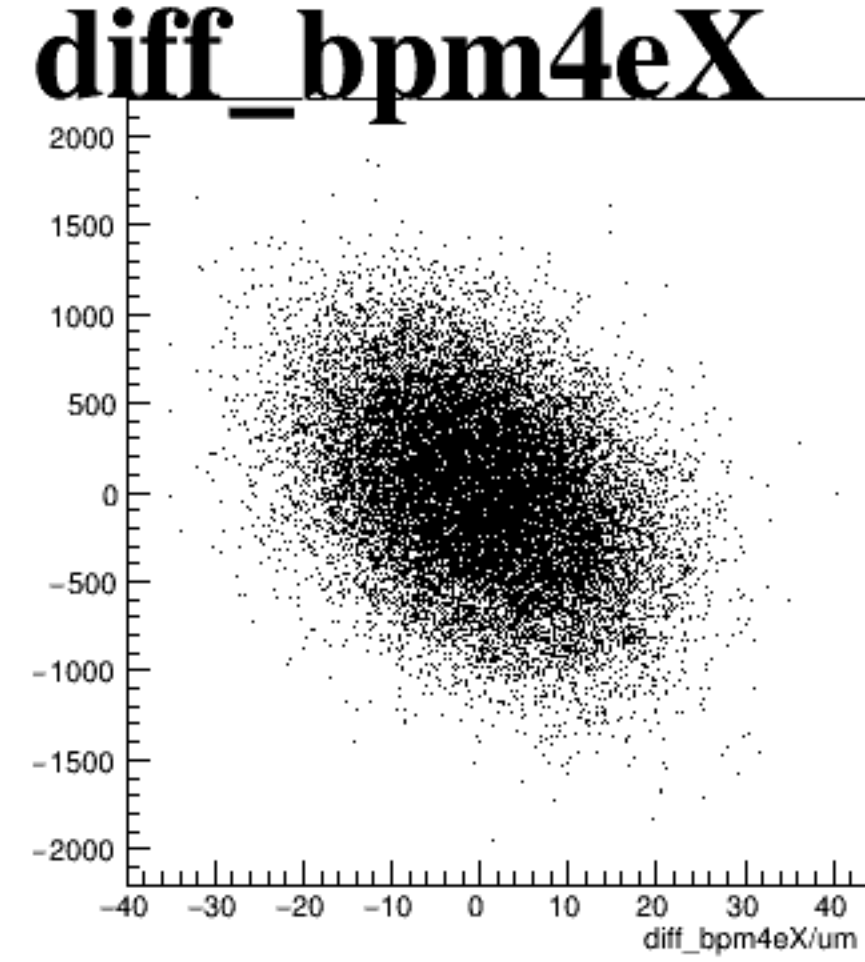
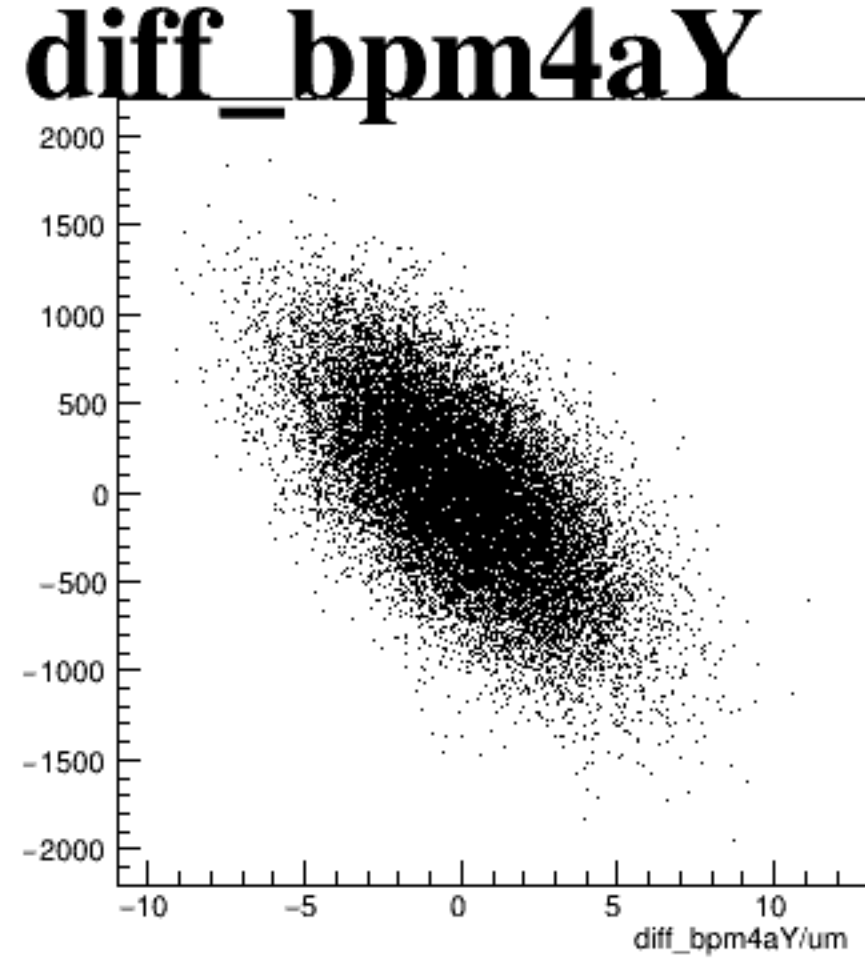
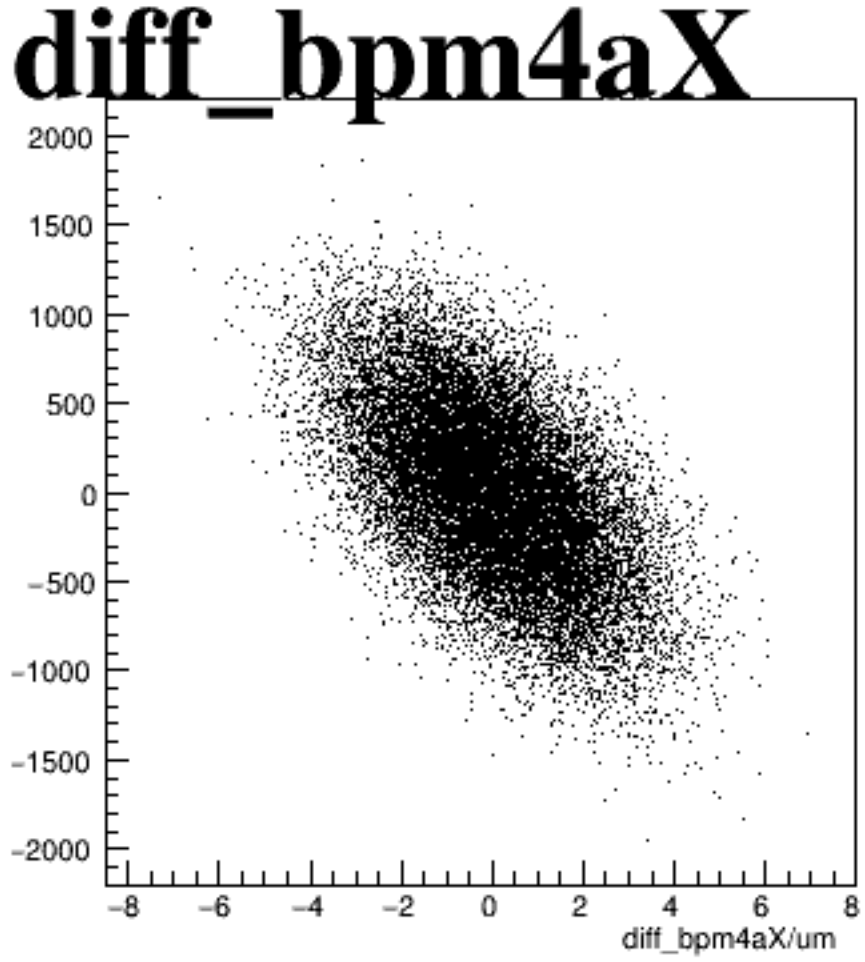
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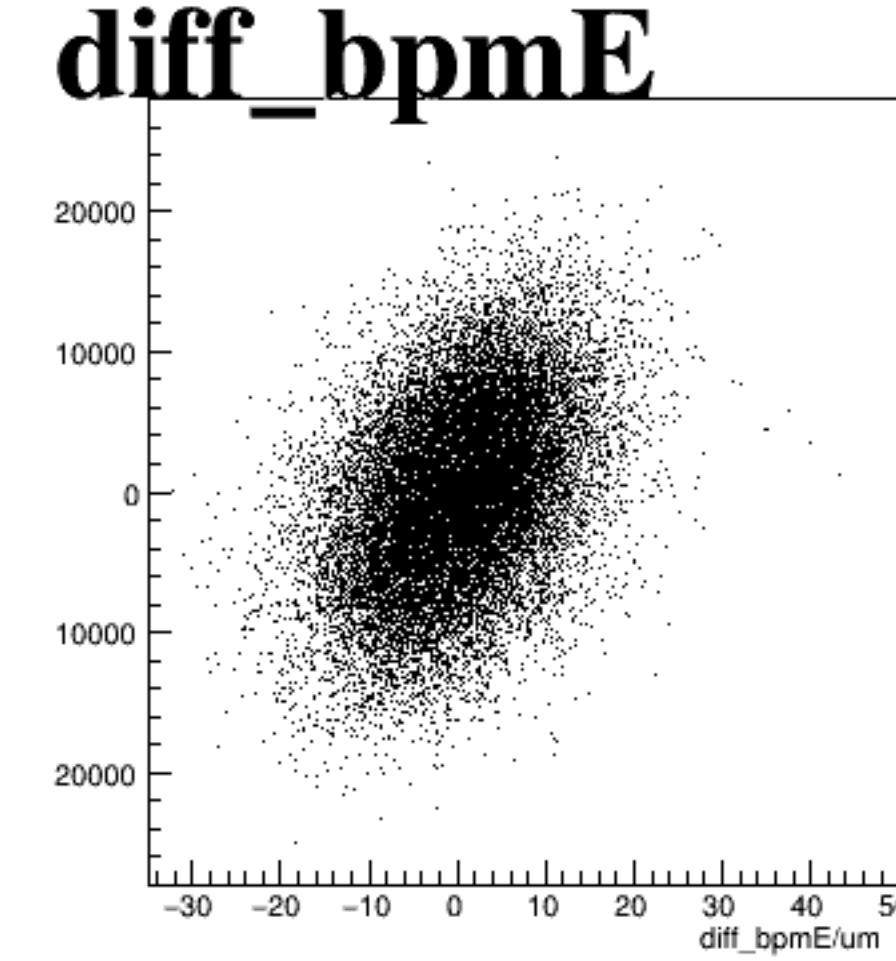
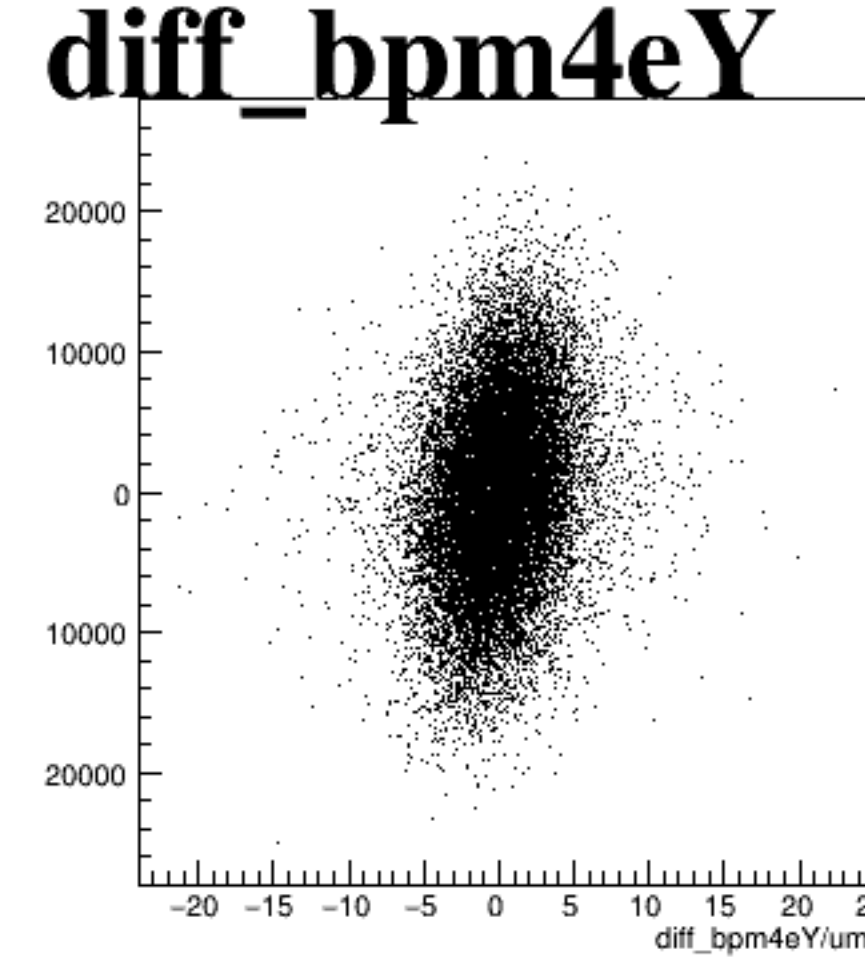
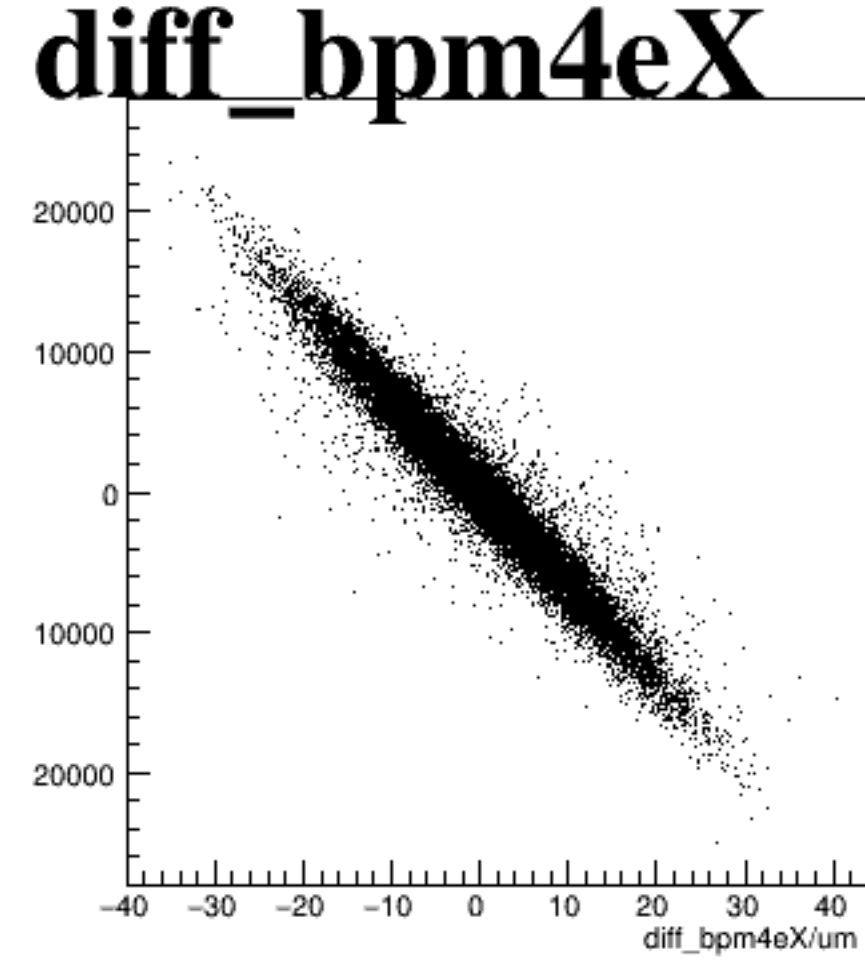
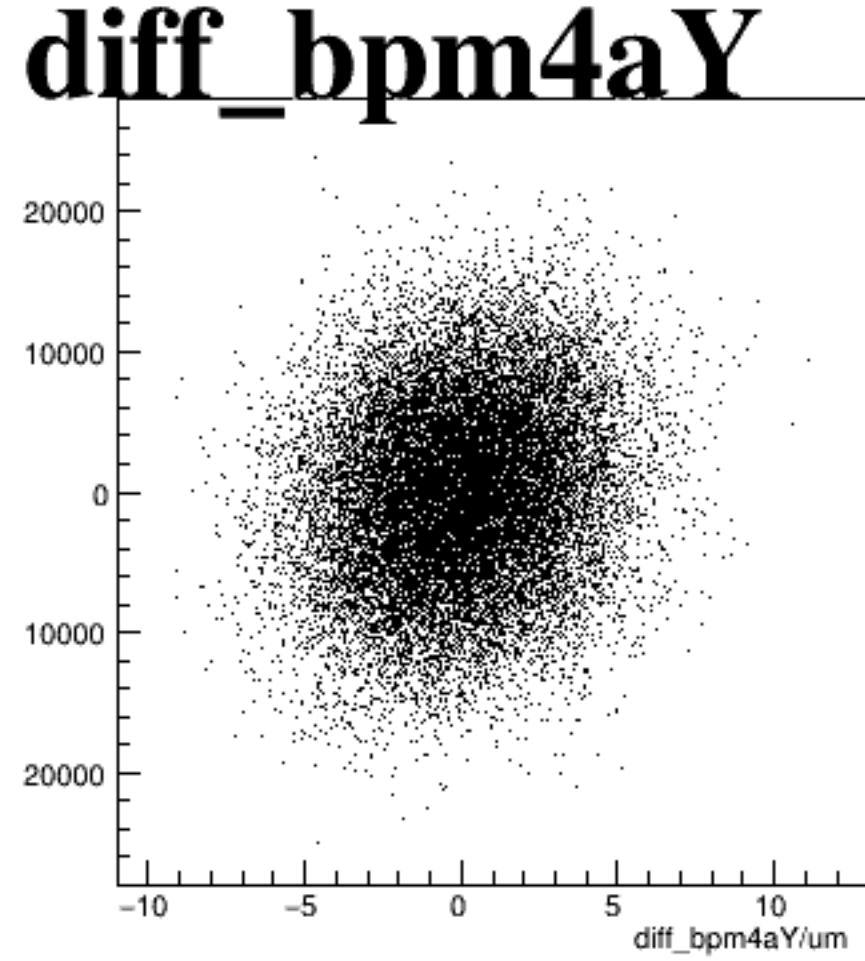
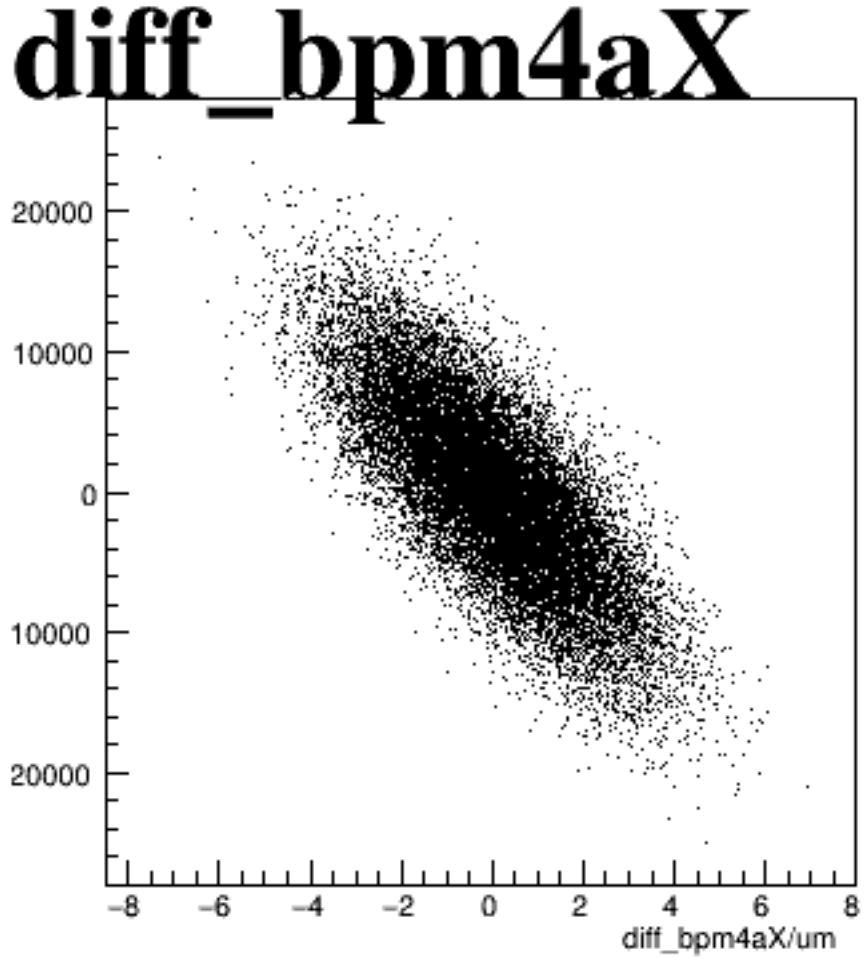
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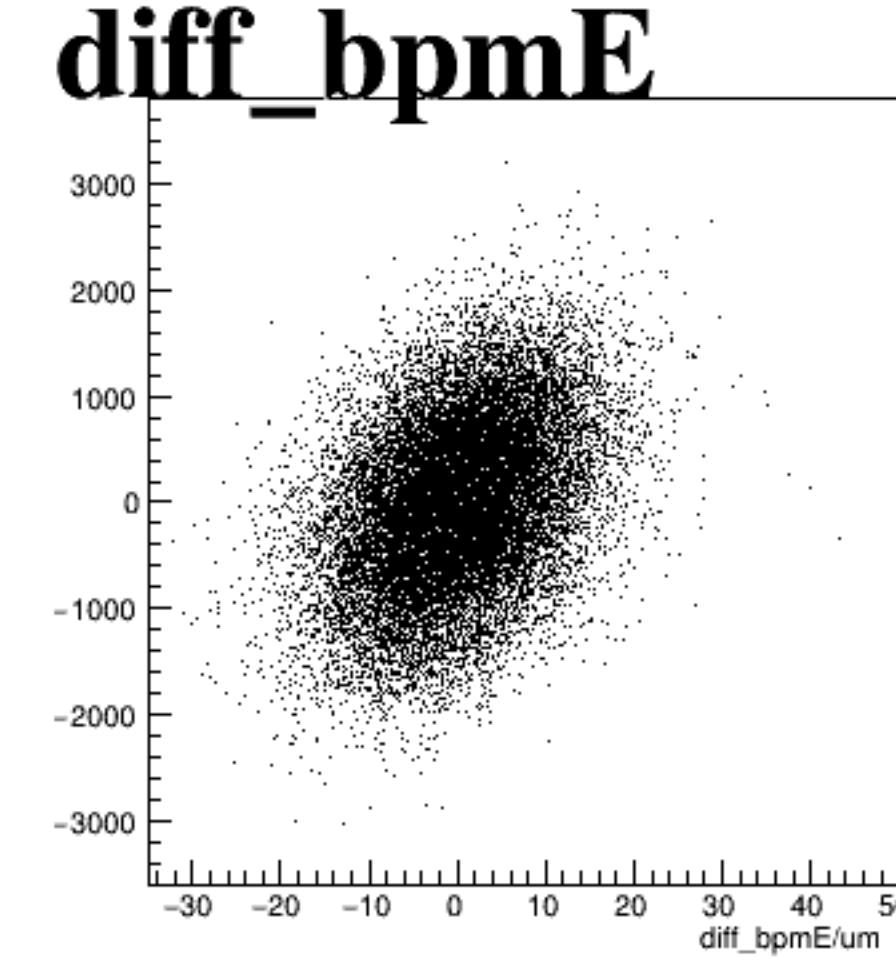
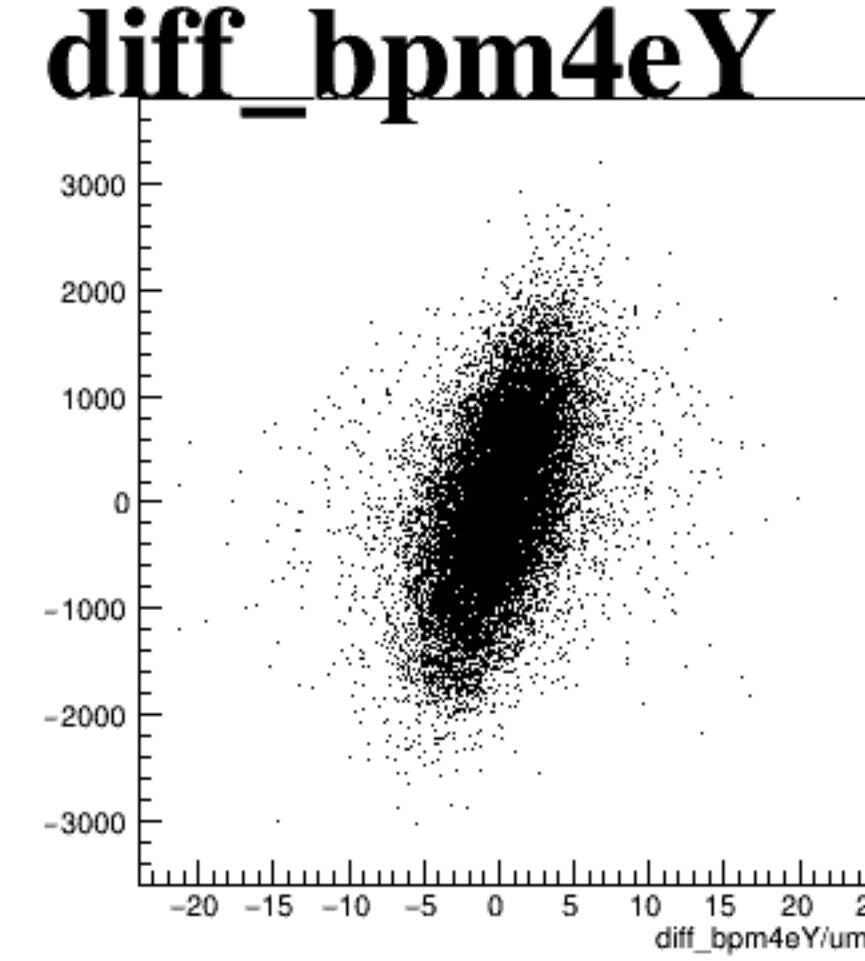
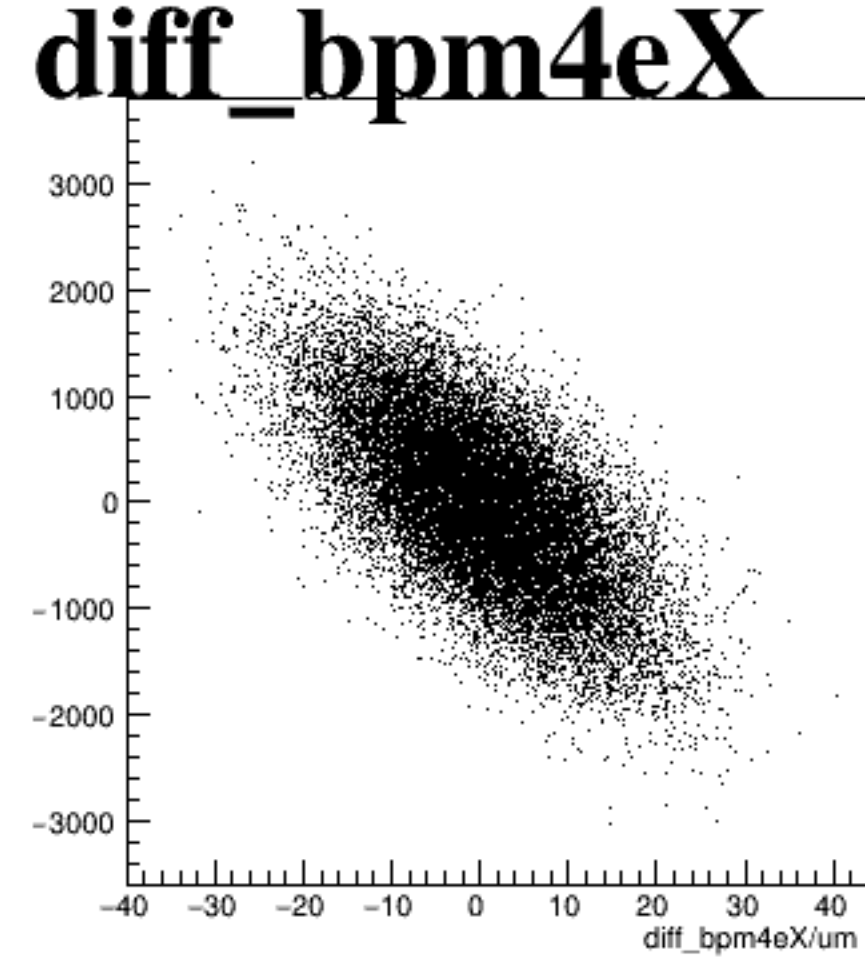
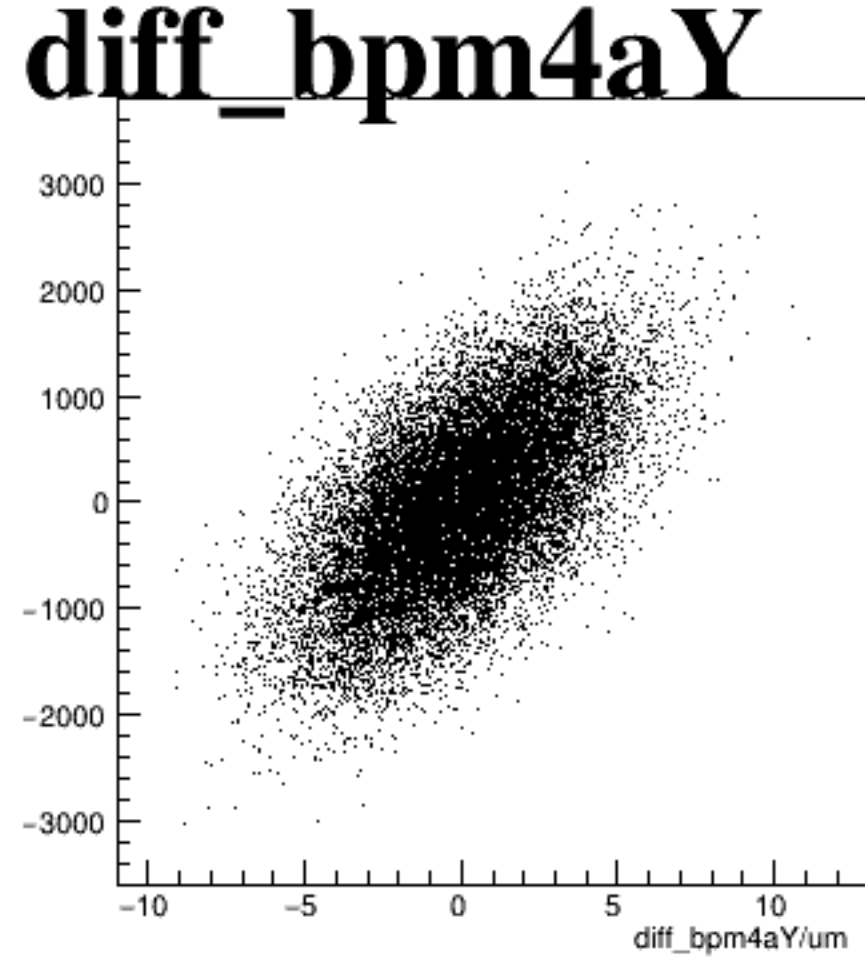
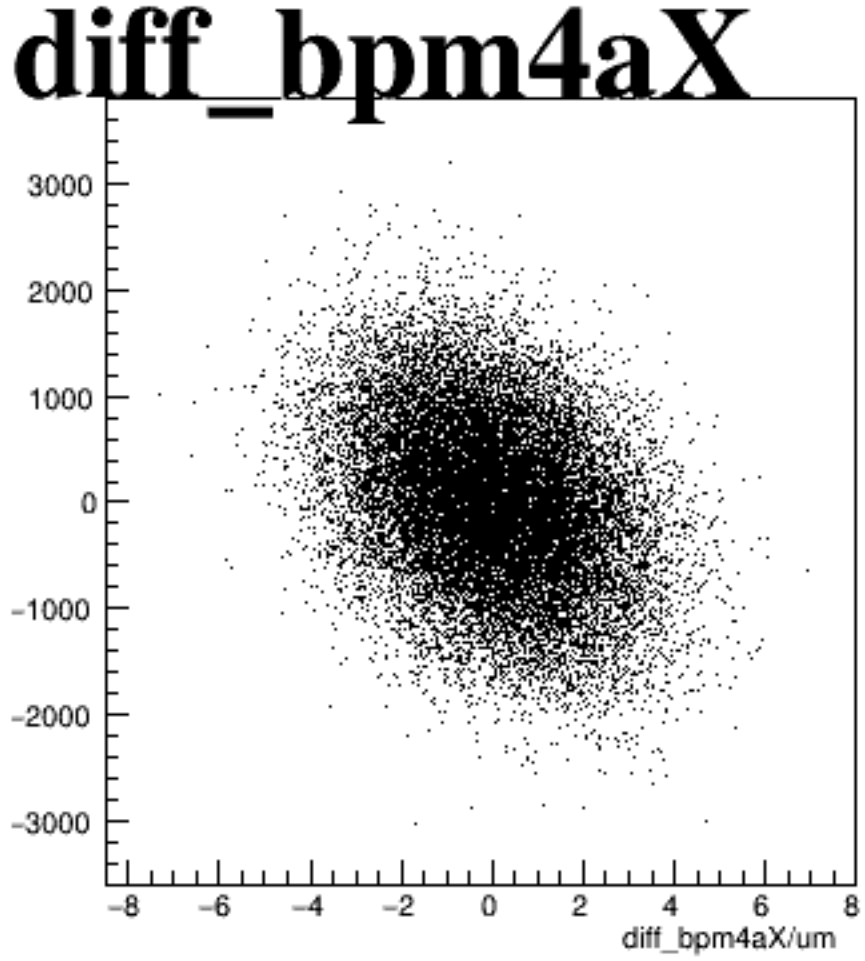
asym_sam1



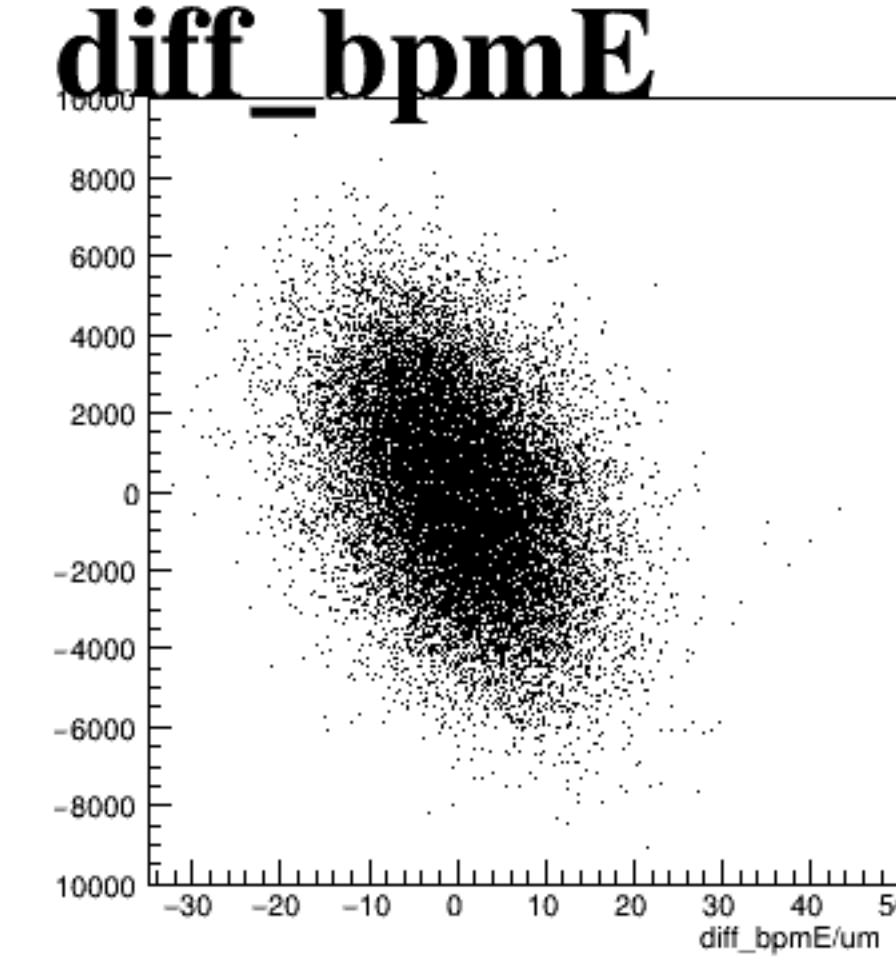
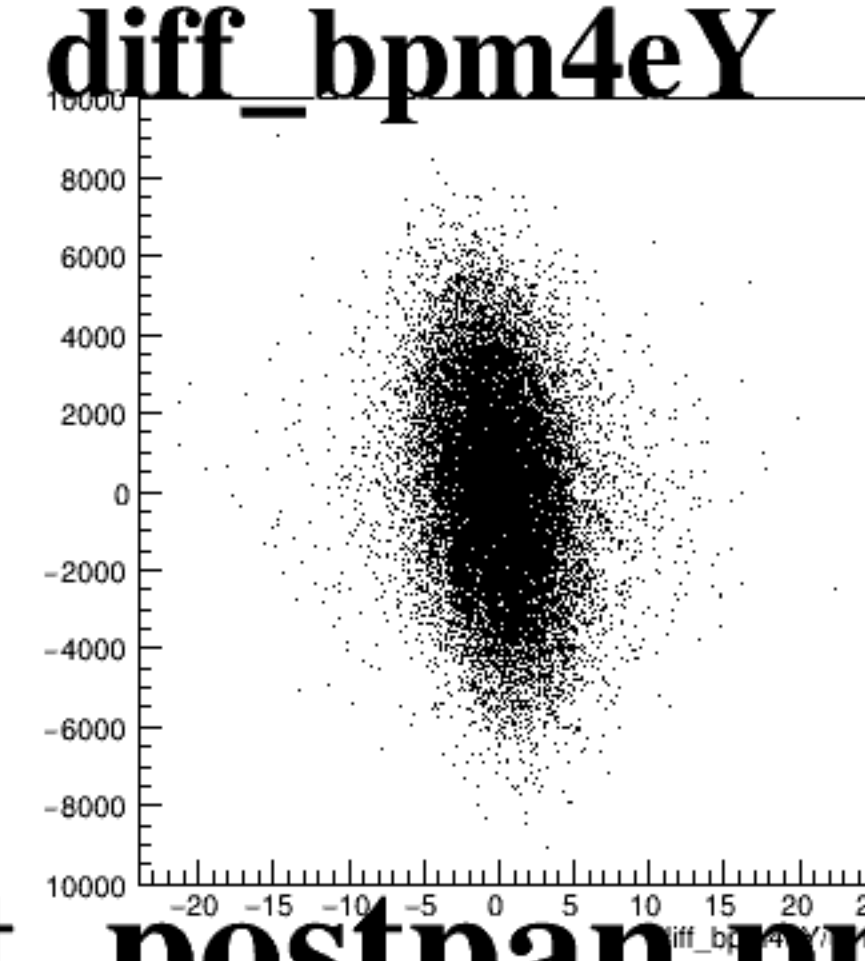
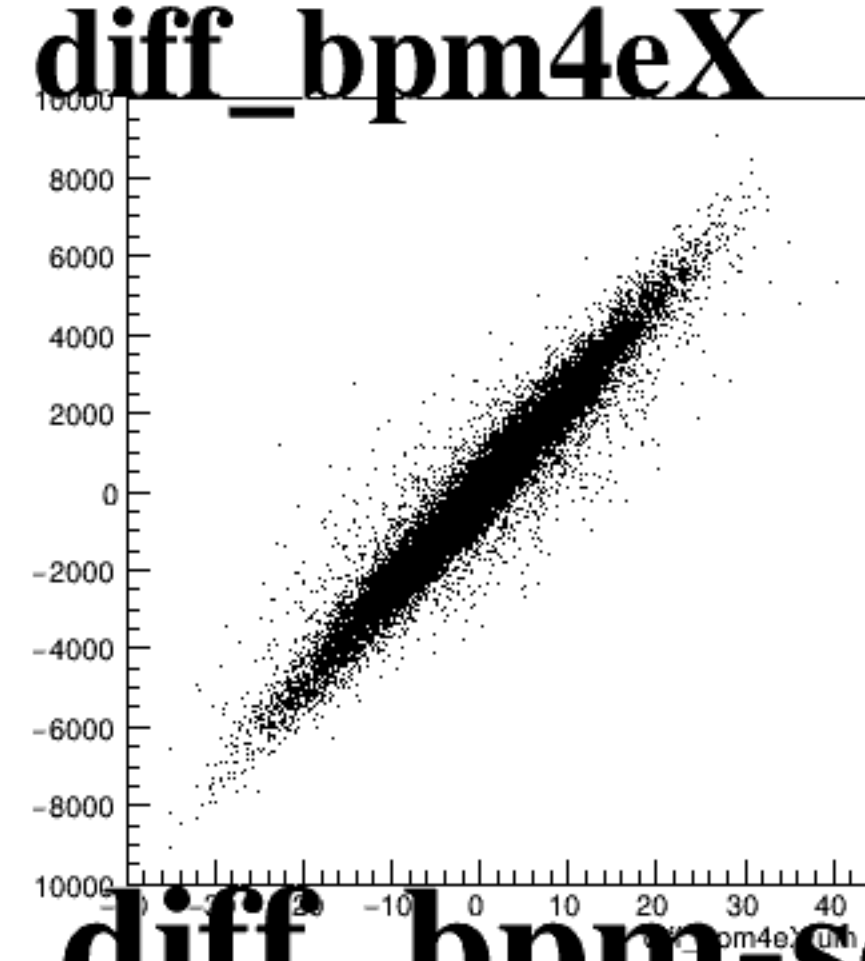
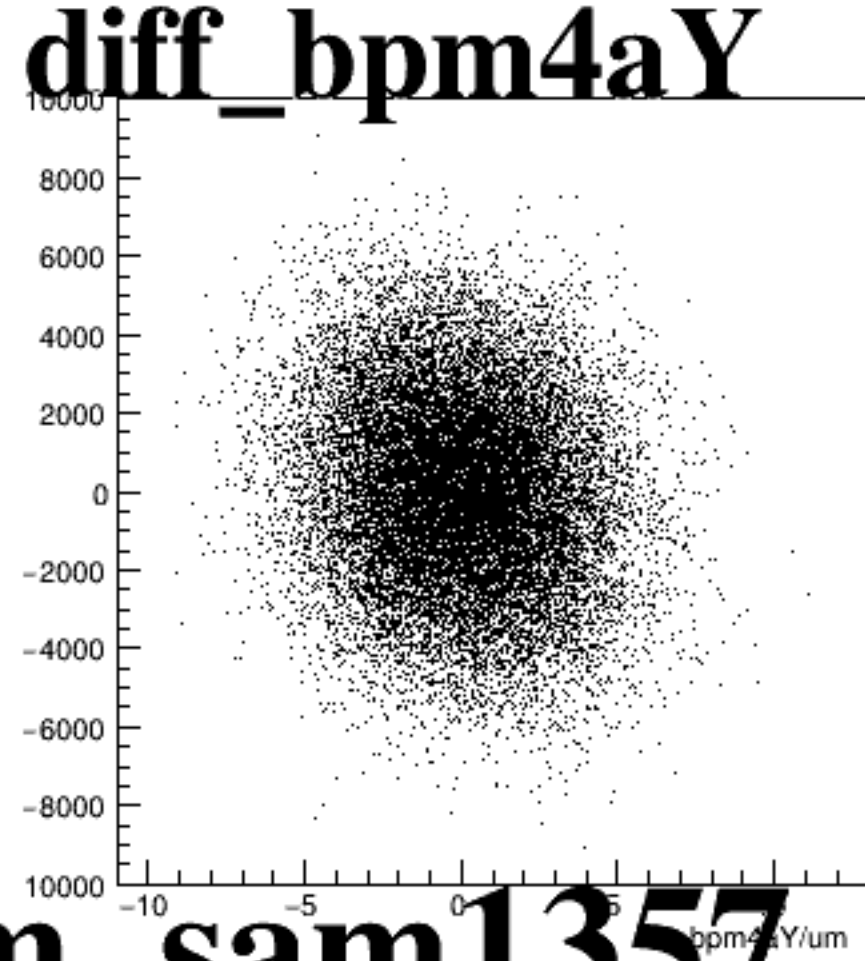
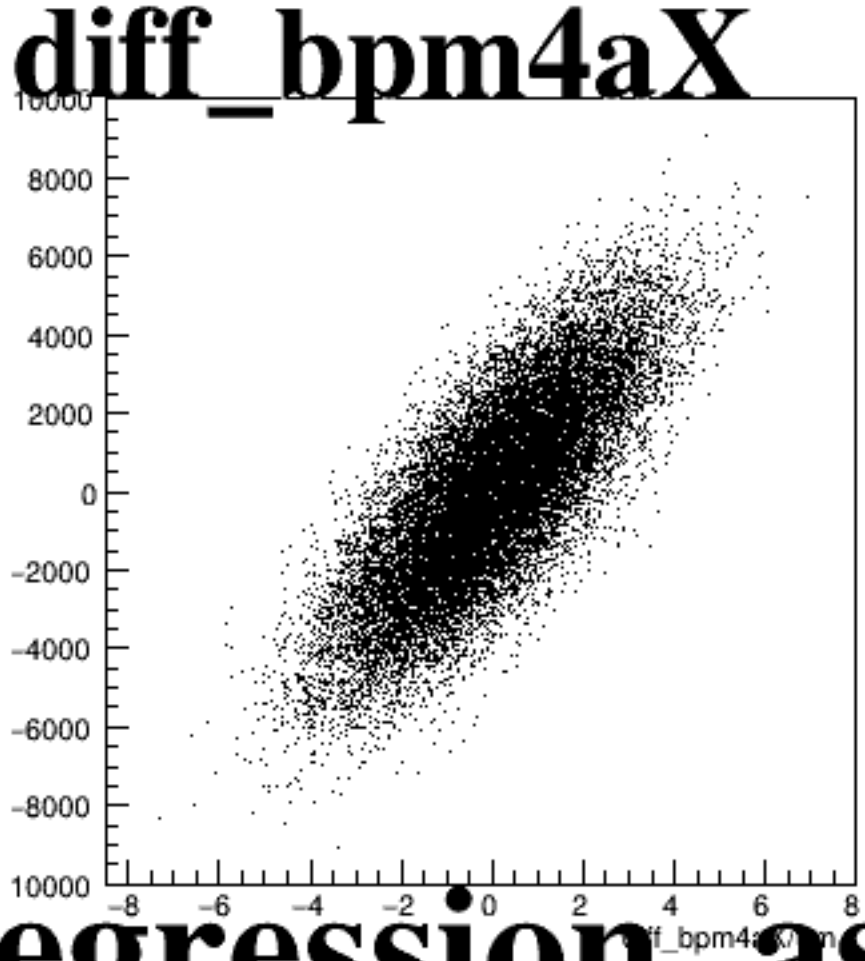
asym_sam3



asym_sam5



asym_sam7



The figure consists of five scatter plots arranged horizontally, each showing the distribution of differences between BPM4 and other datasets. The y-axis for all plots ranges from -1000 to 1000. The x-axis for each plot is labeled as follows:

- diff_bpm4aX**: x-axis ranges from -8 to 8.
- diff_bpm4aY**: x-axis ranges from -10 to 10.
- diff_bpm4eX**: x-axis ranges from -40 to 40.
- diff_bpm4eY**: x-axis ranges from -20 to 25.
- diff_bpmE**: x-axis ranges from -30 to 50.

In all plots, the data points are densely clustered around the origin (0,0), indicating that the differences between the datasets are generally small. The plots show a slight elongation along the x-axis, suggesting that the differences in the x-dimension are slightly larger than in the y-dimension.

run3431_000_regression_reg_sam1357_vs_diff_bpm-scat_postpan.png