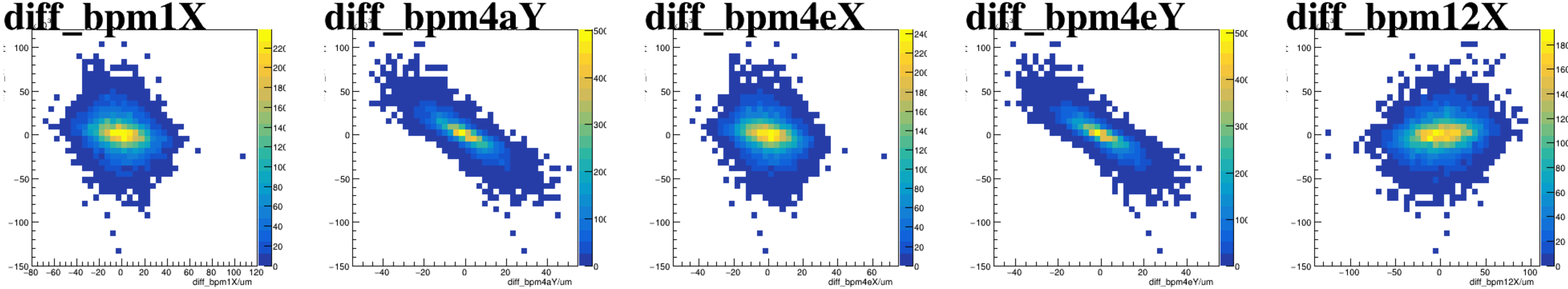
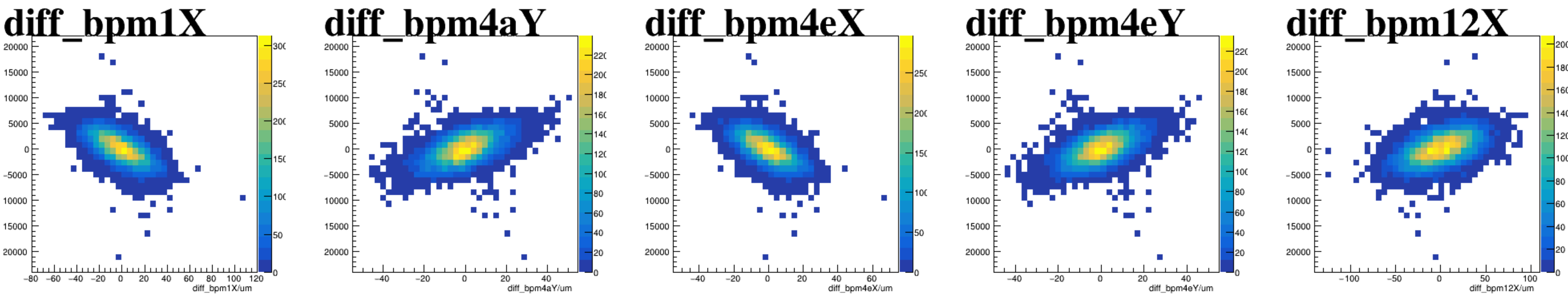


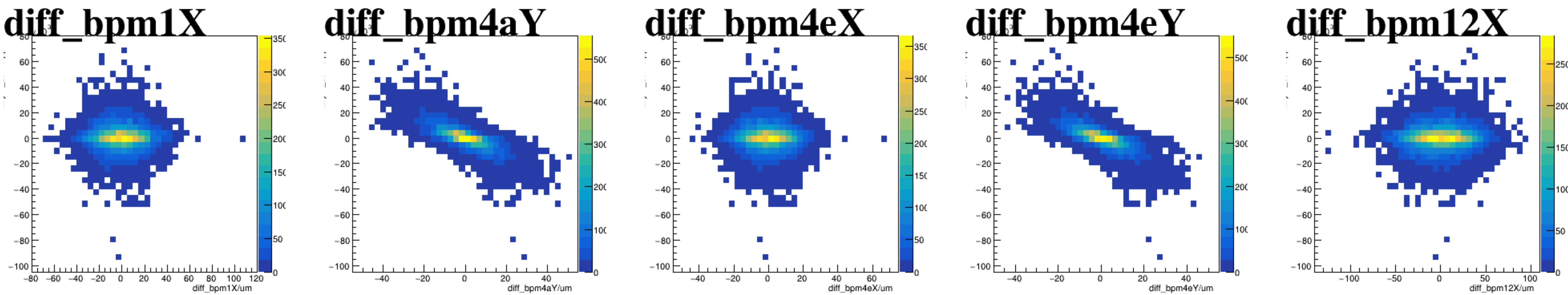
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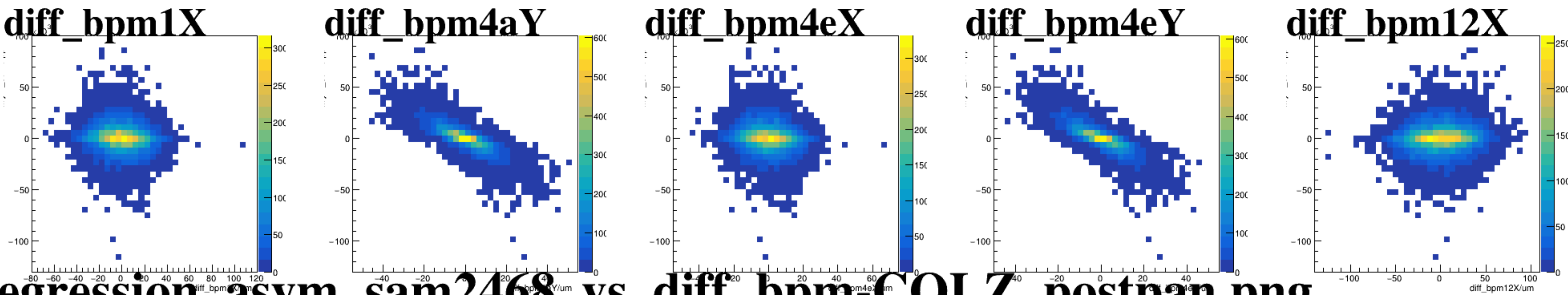
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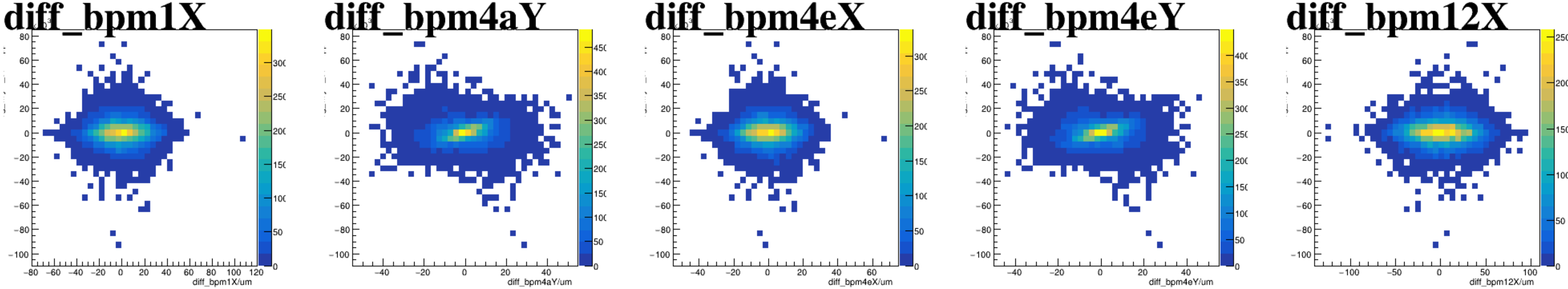
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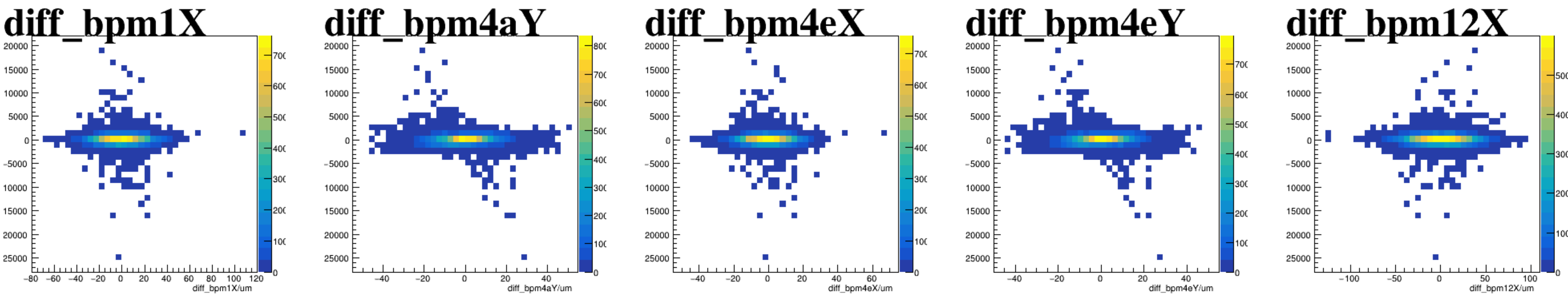
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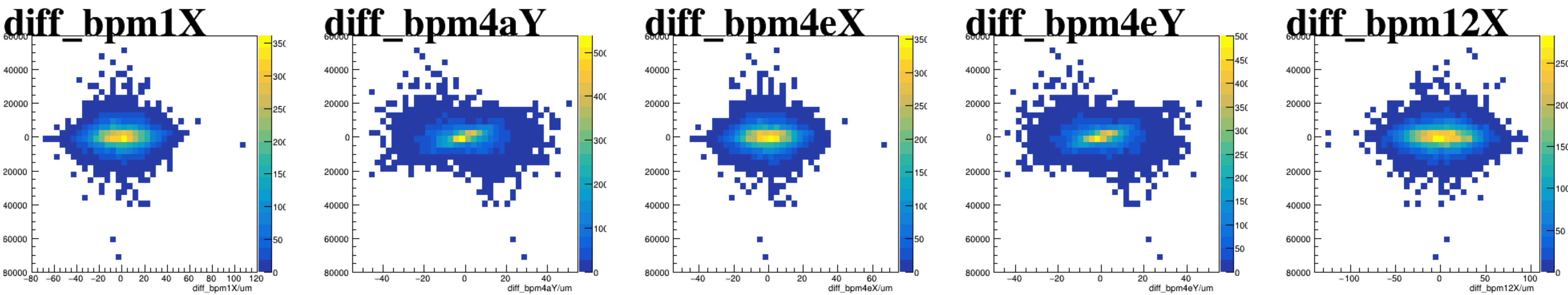
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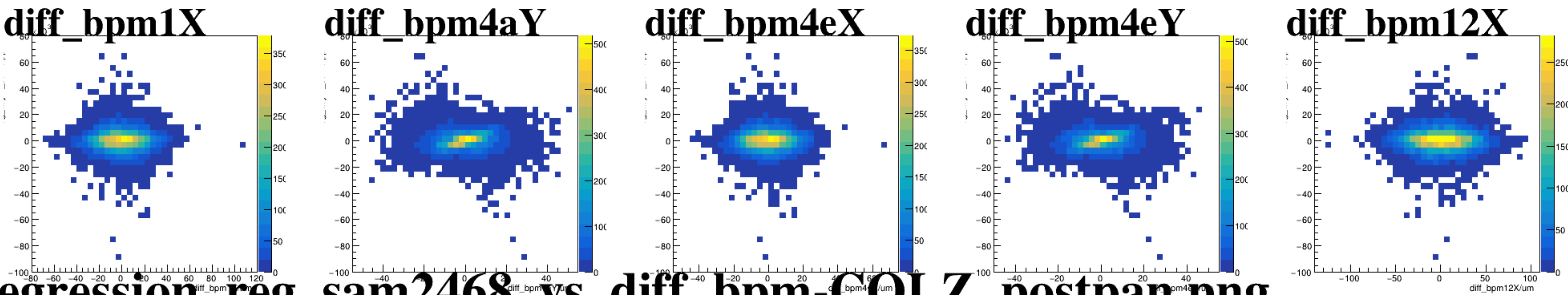
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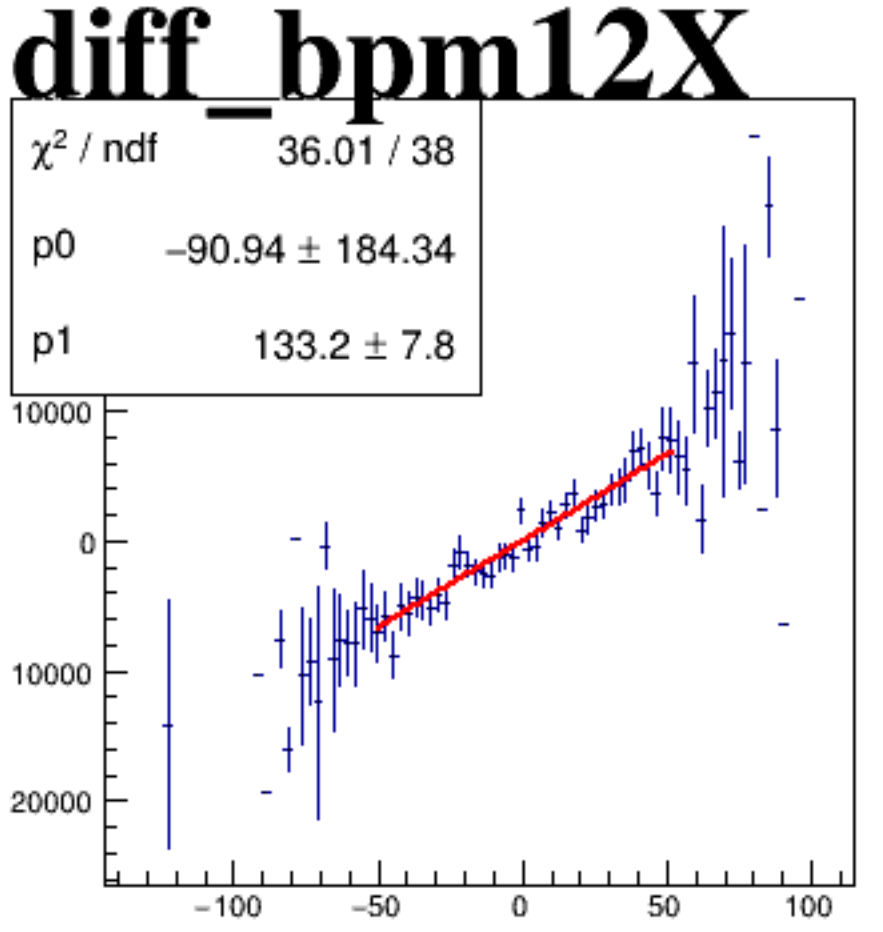
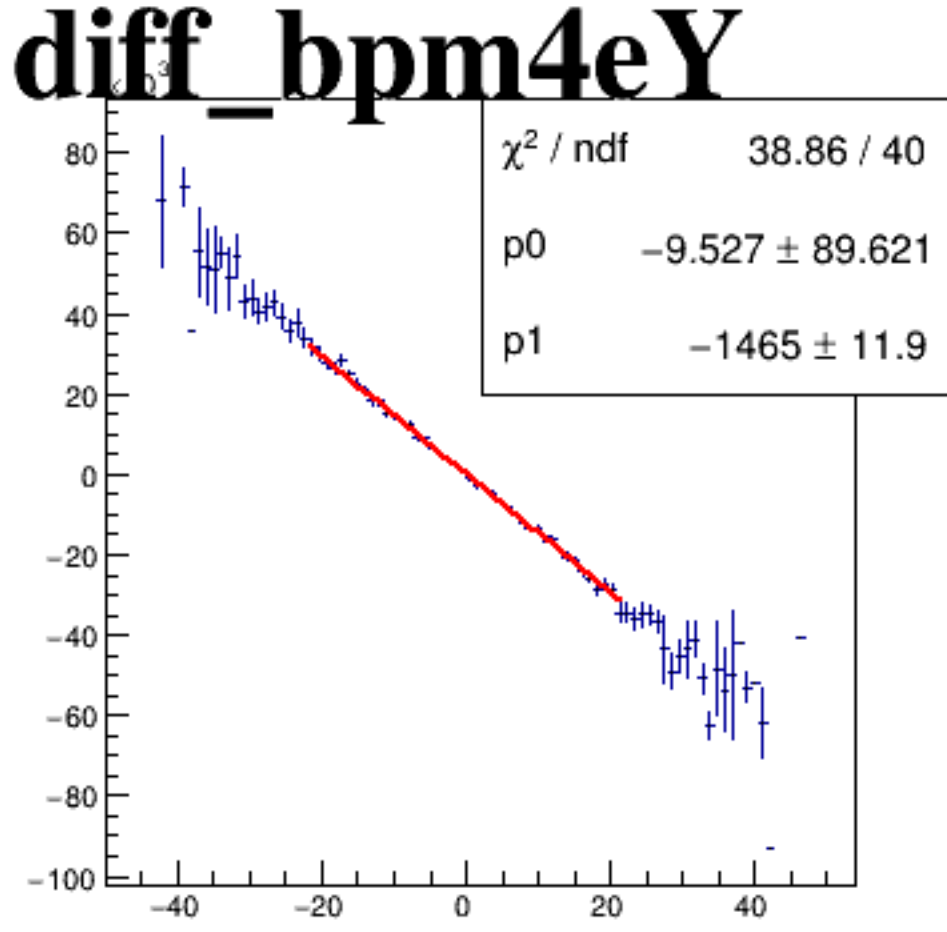
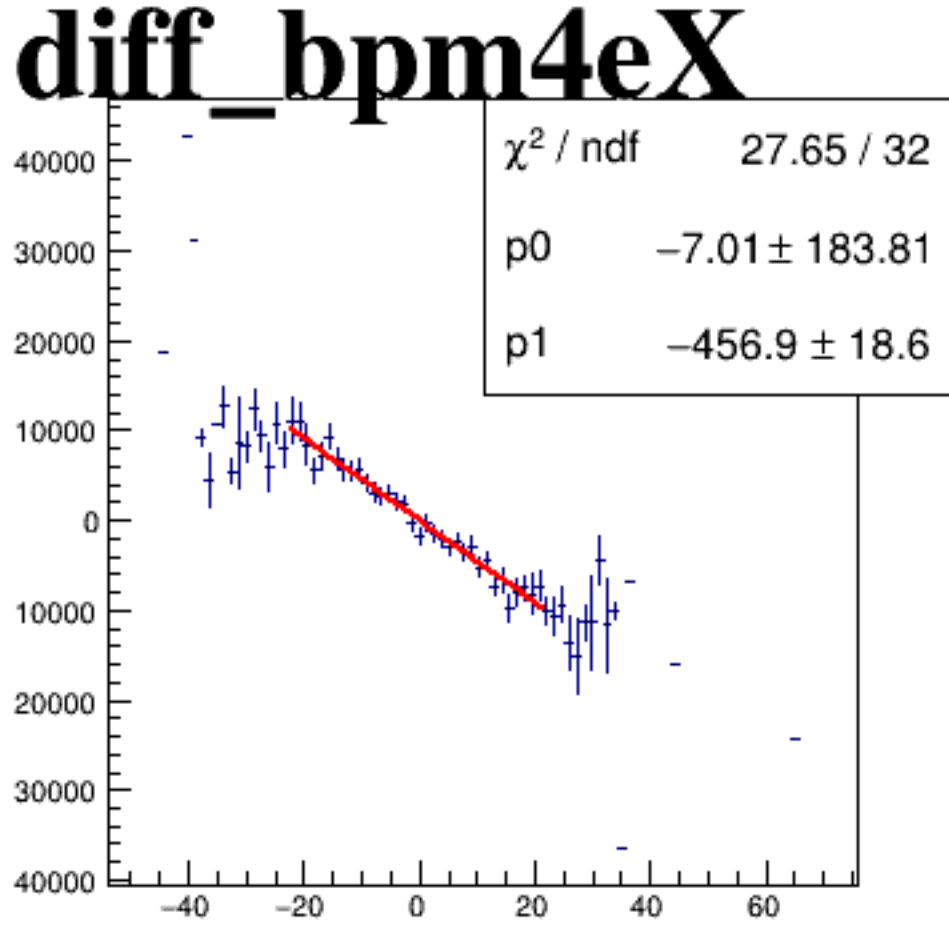
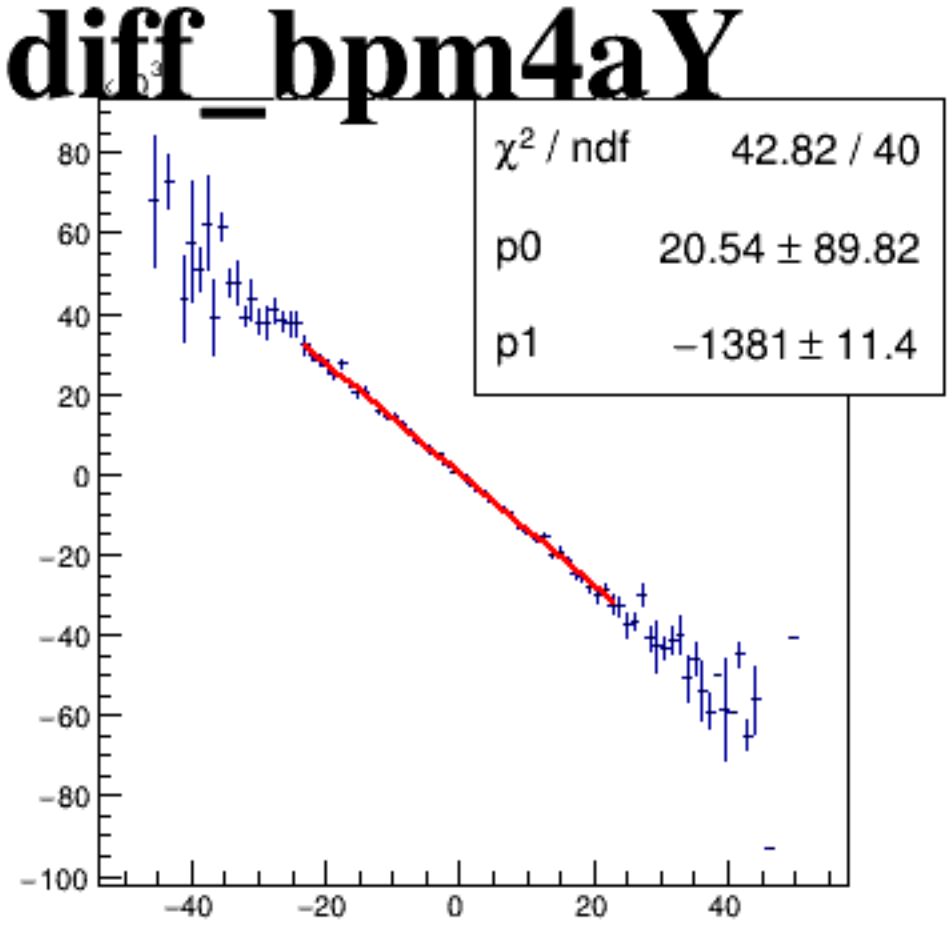
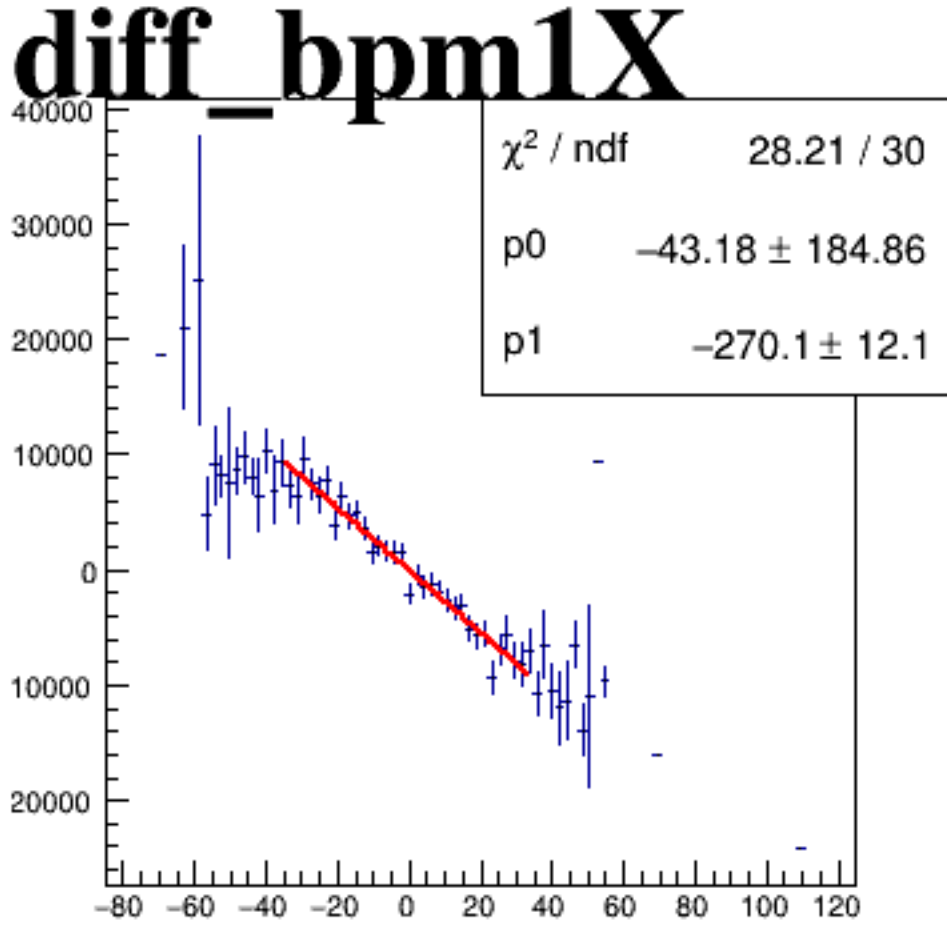
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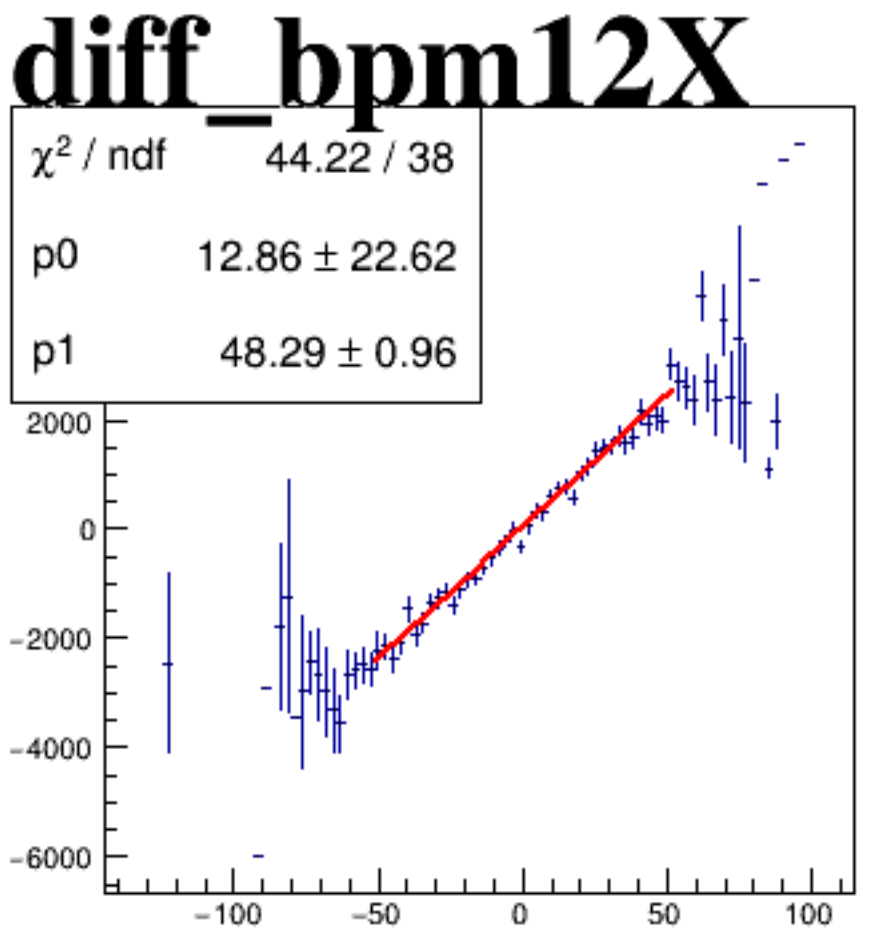
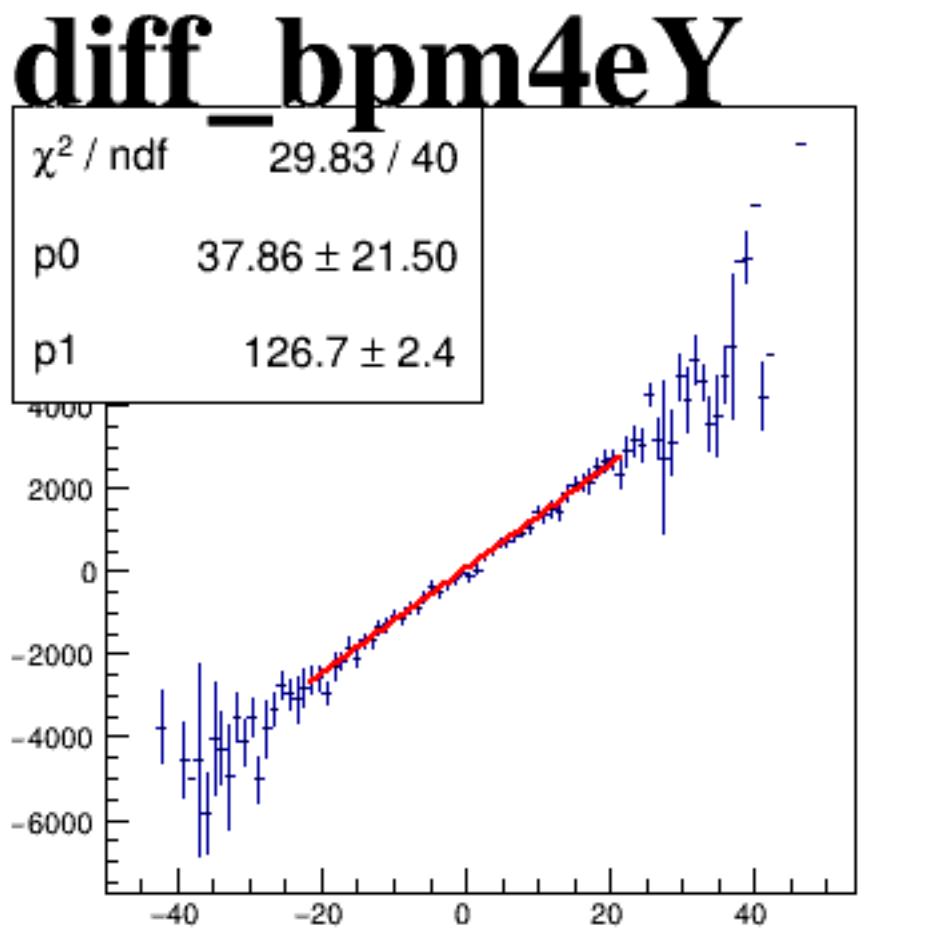
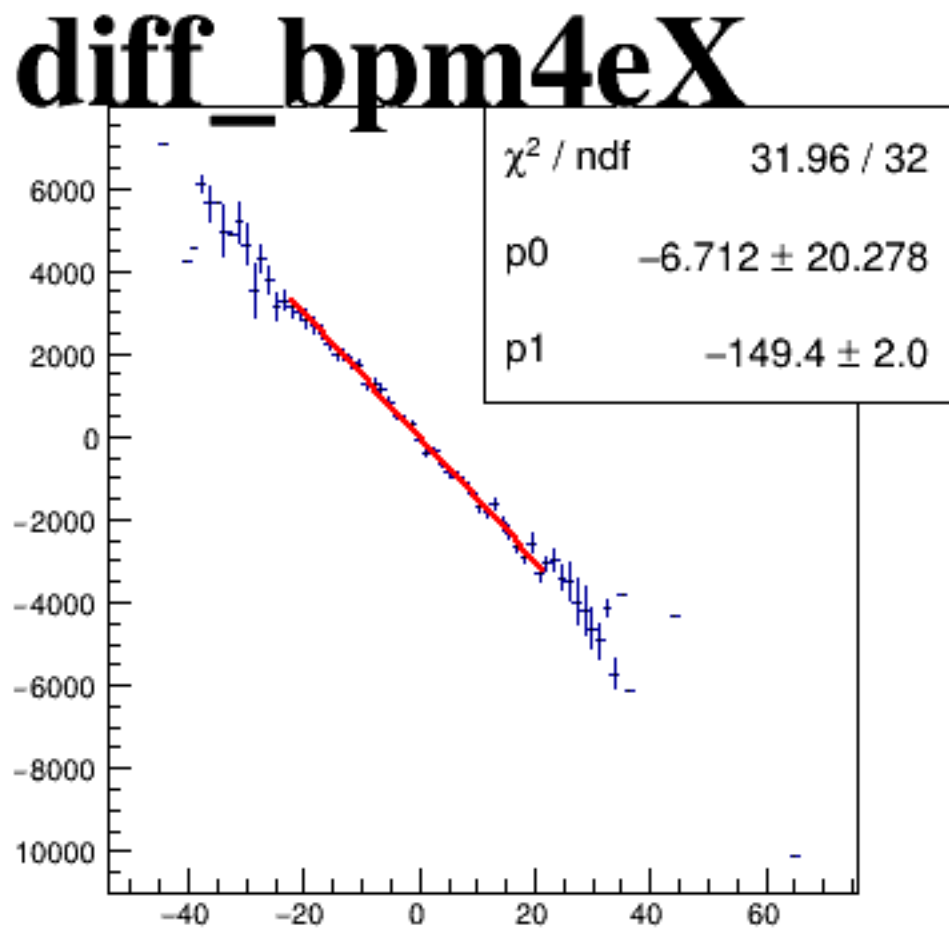
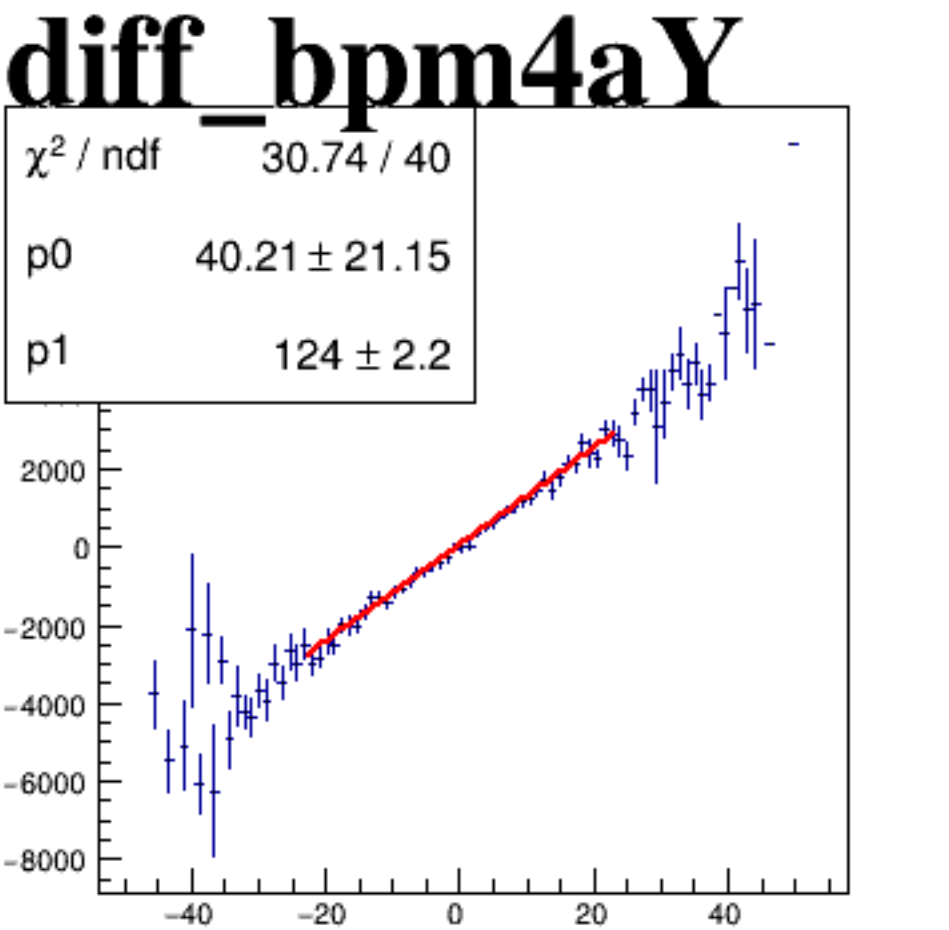
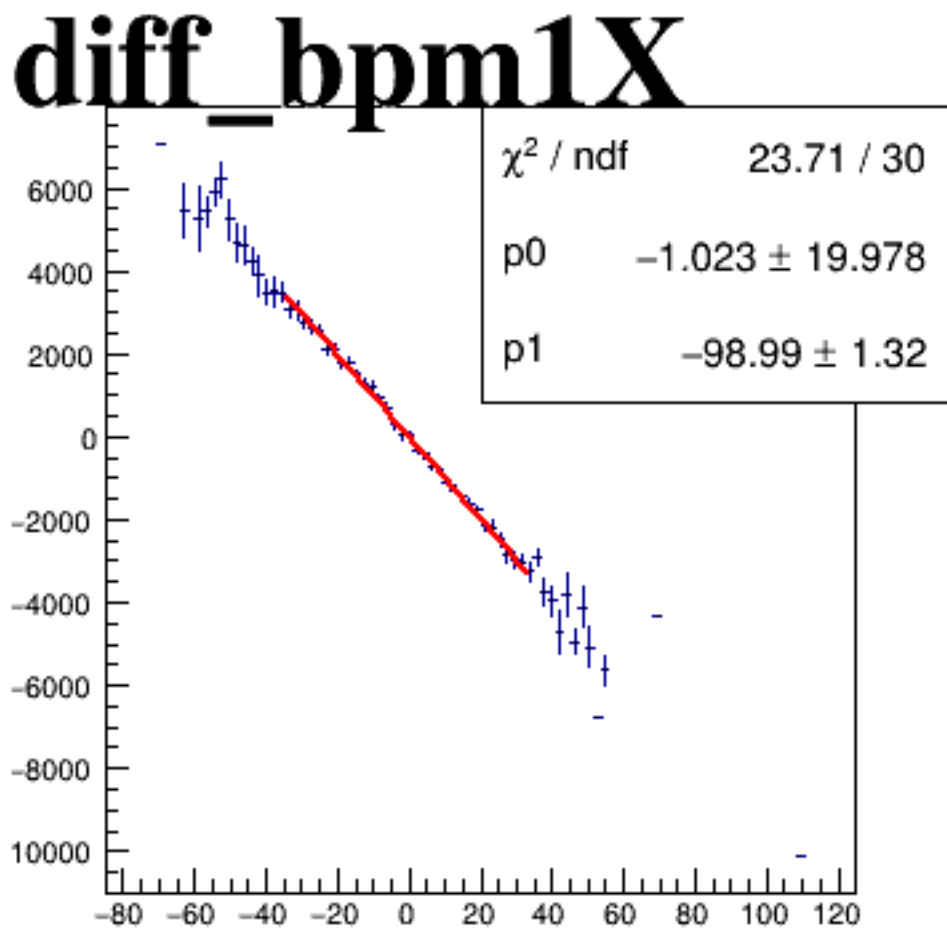
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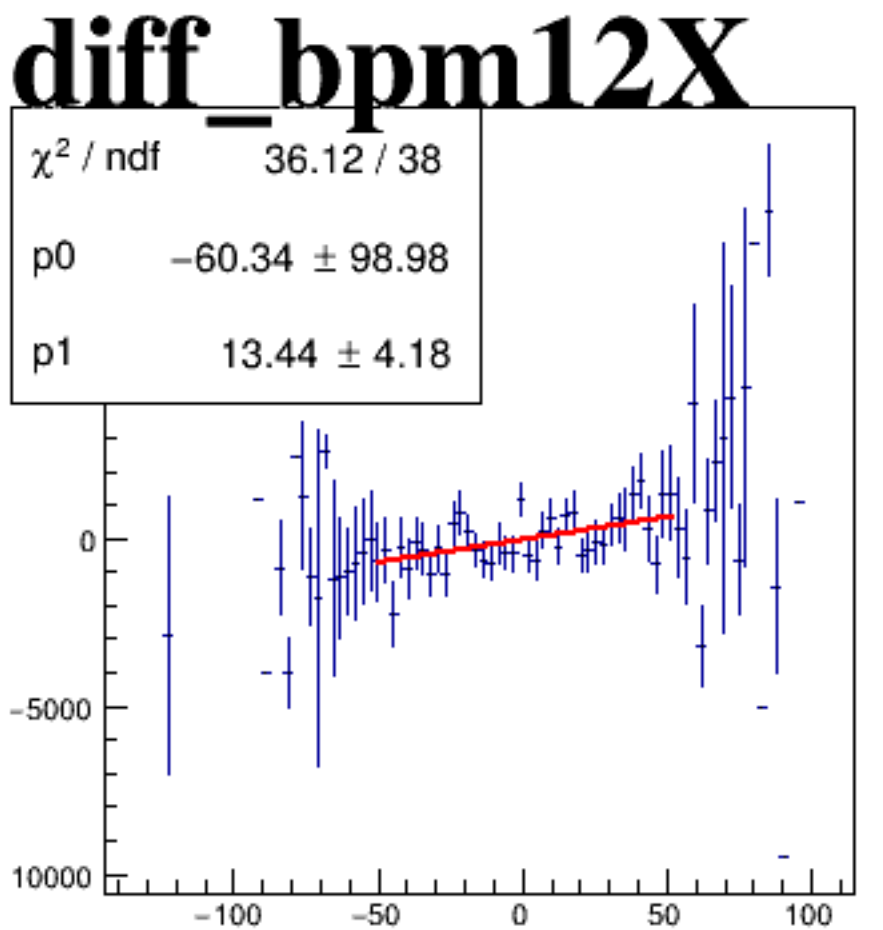
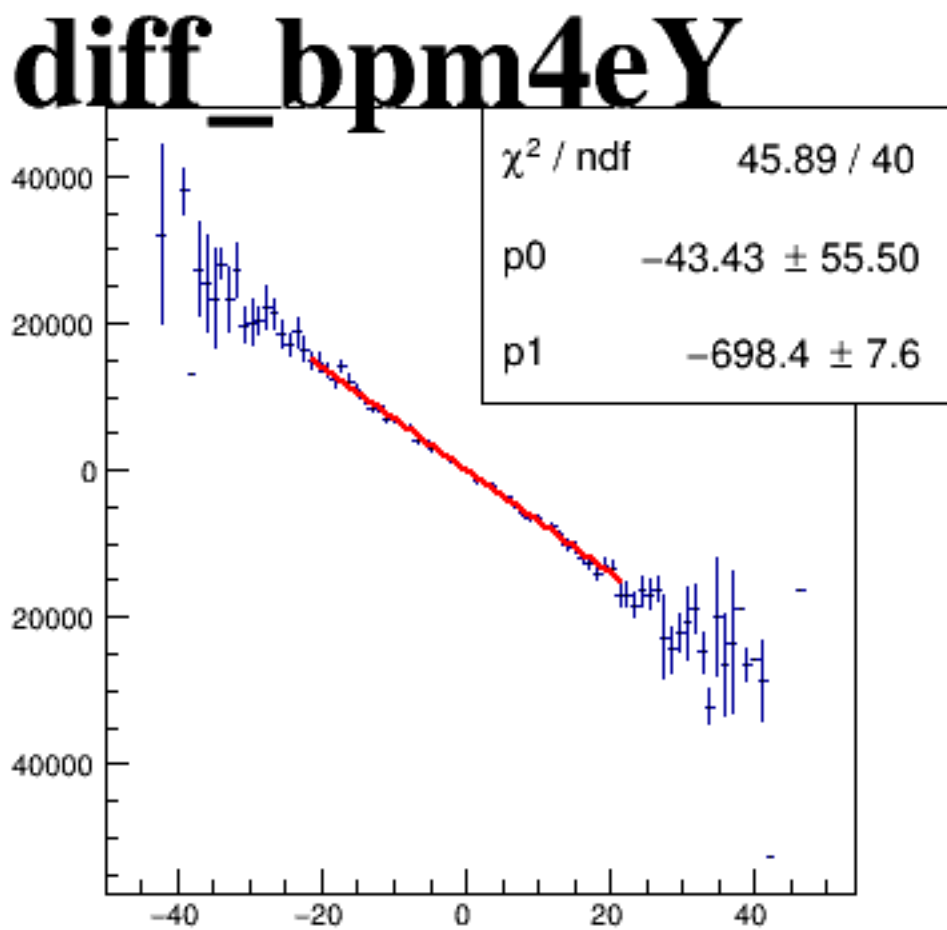
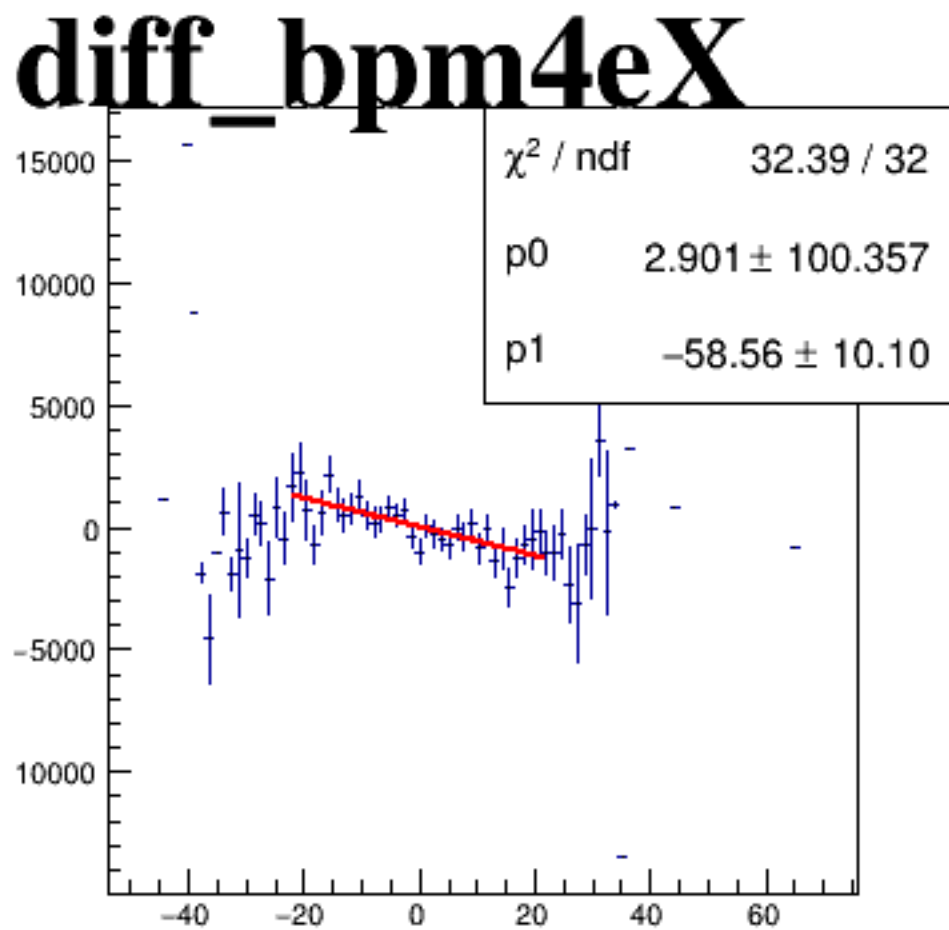
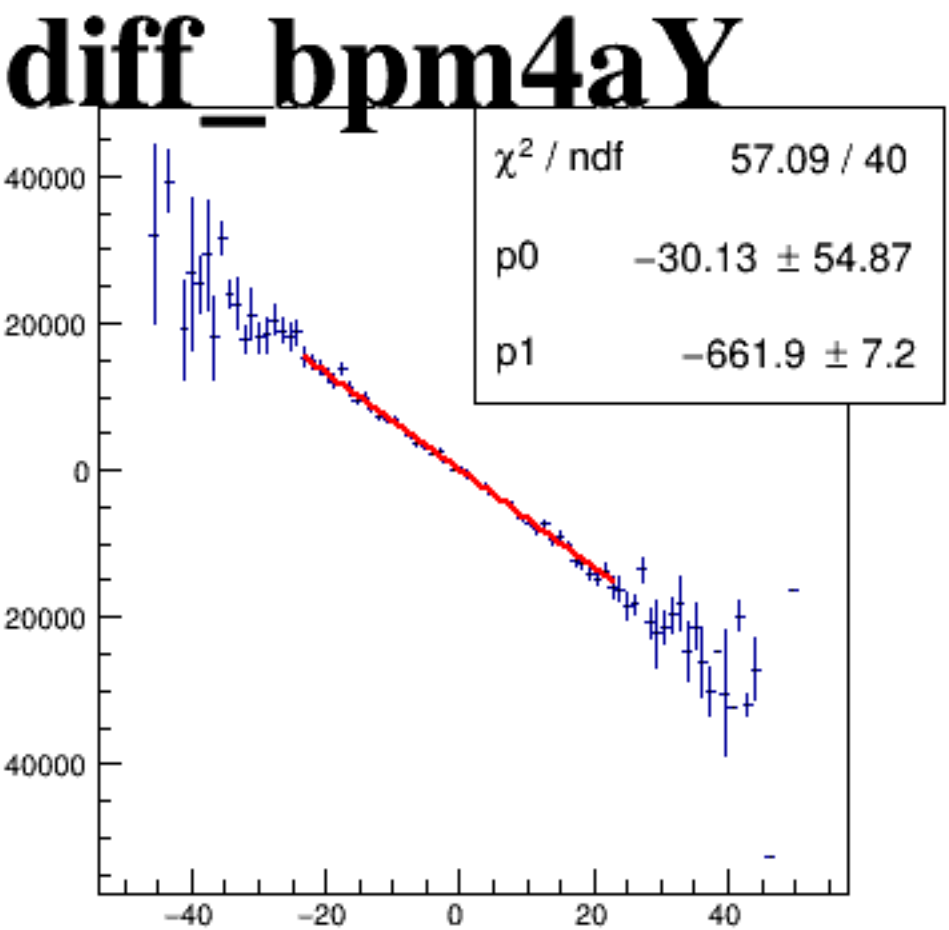
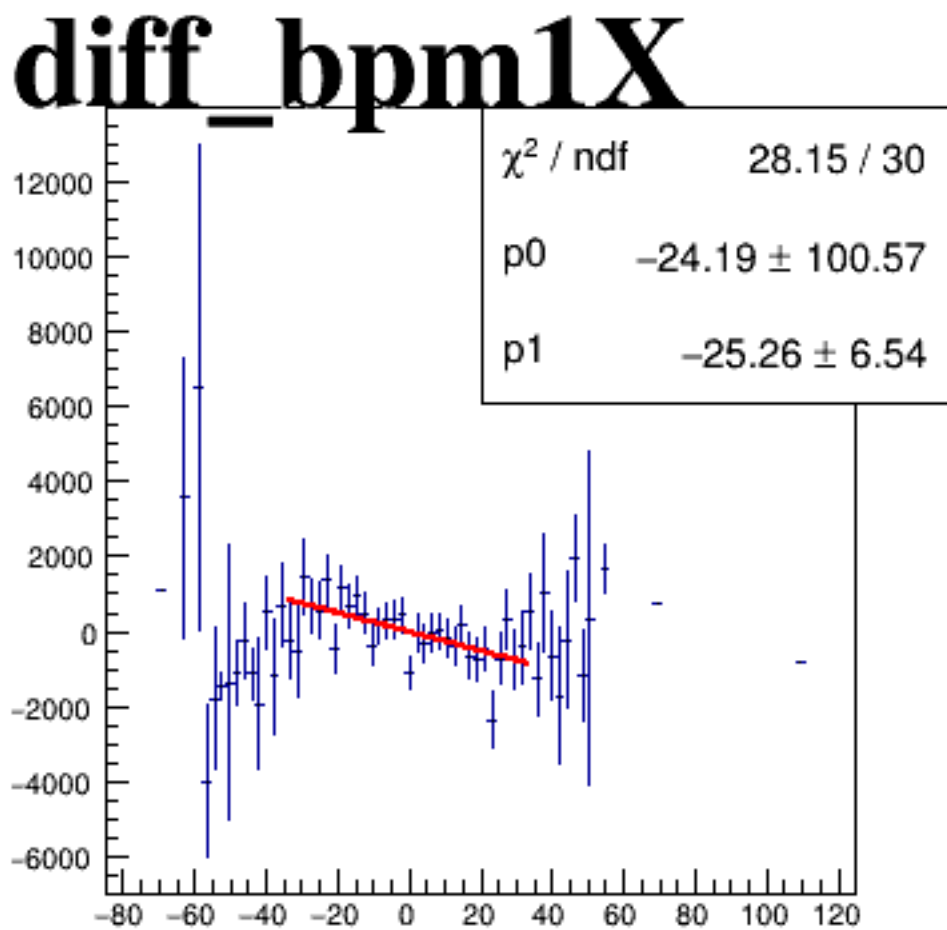
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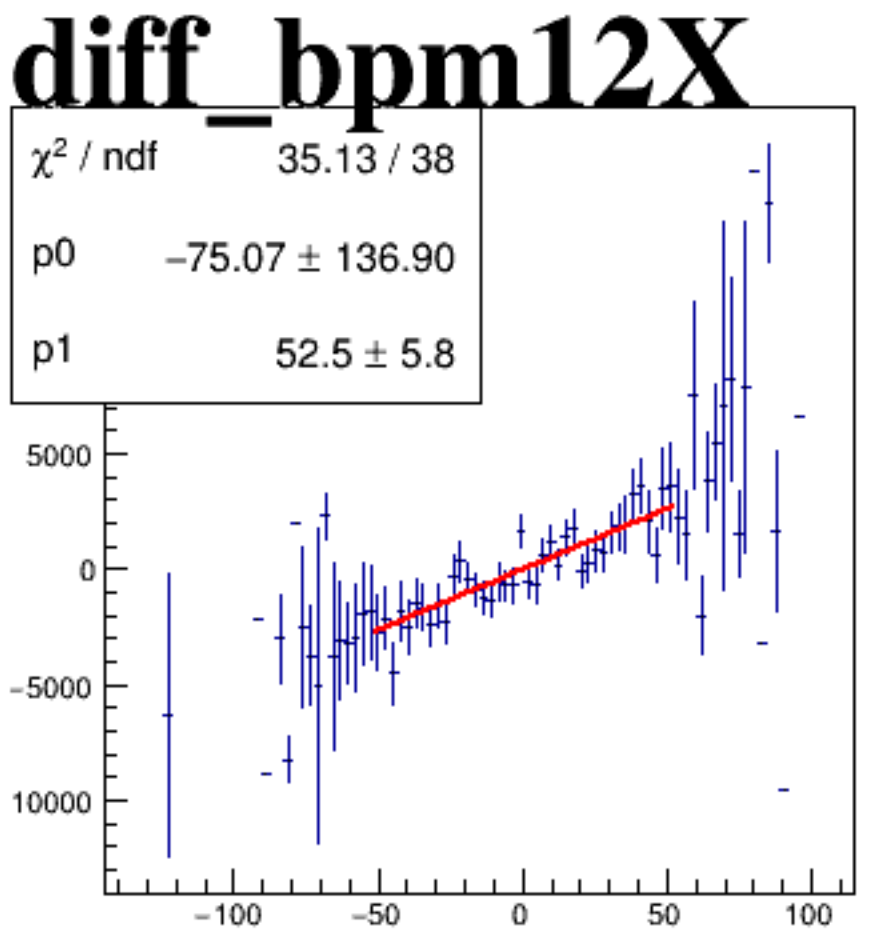
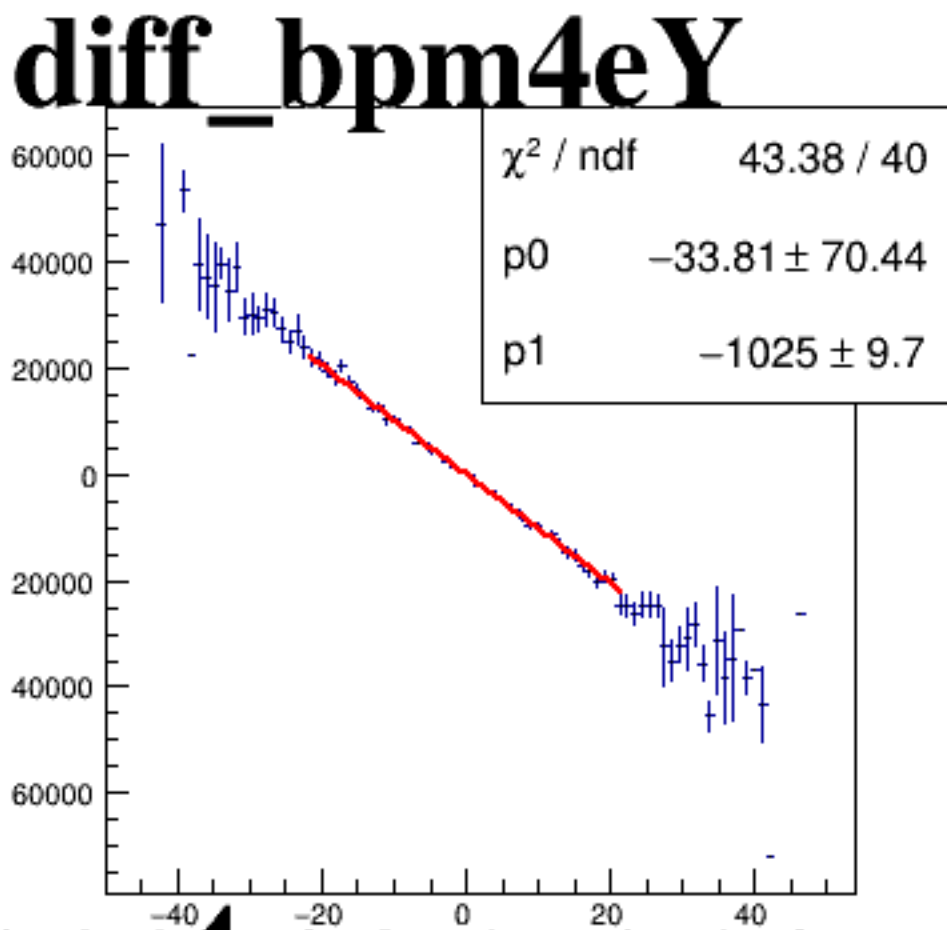
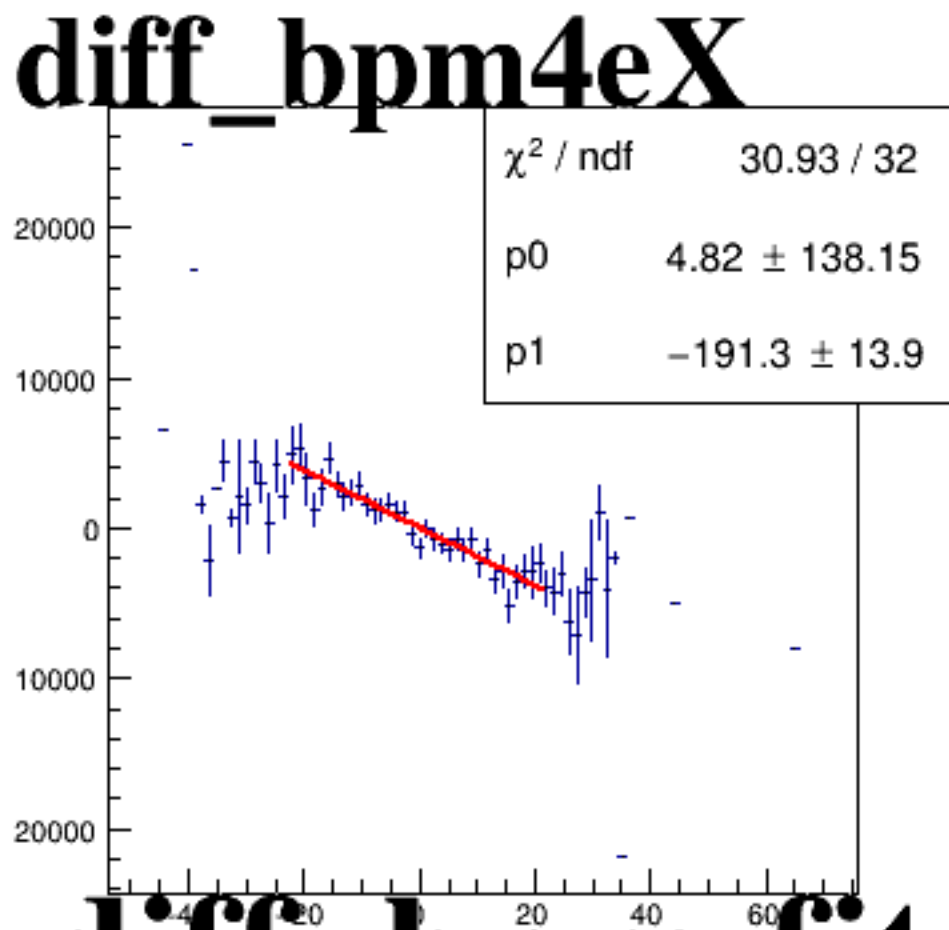
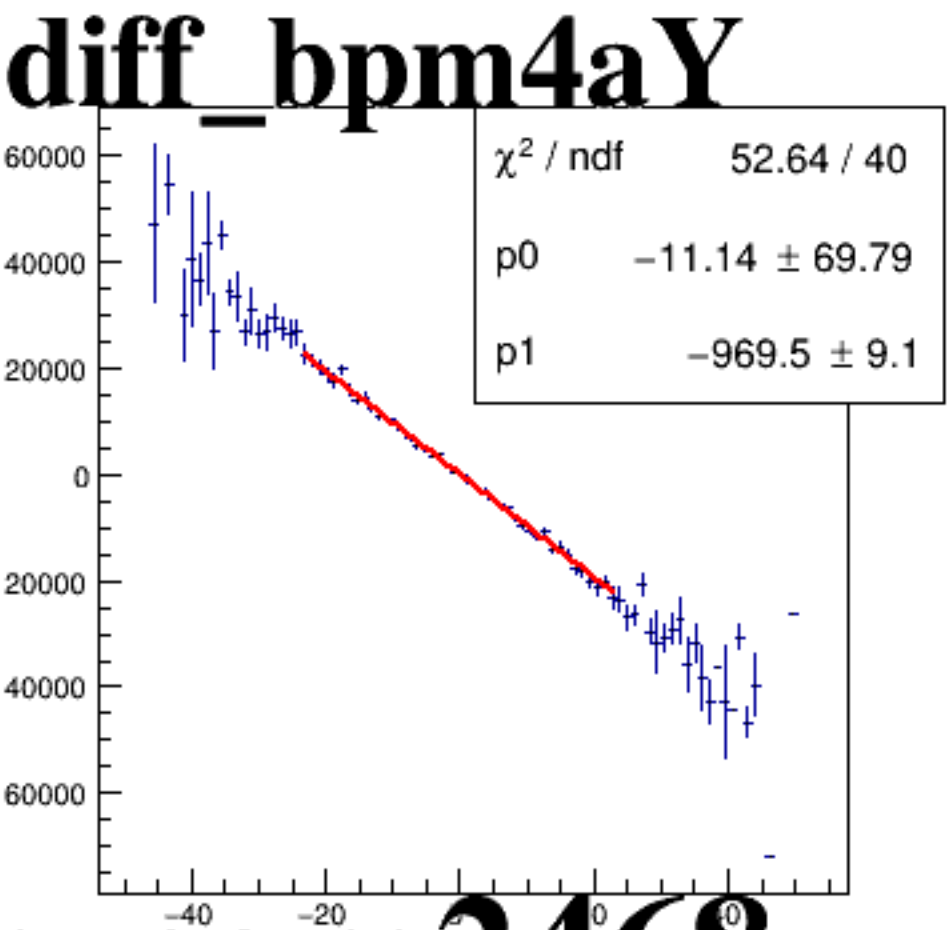
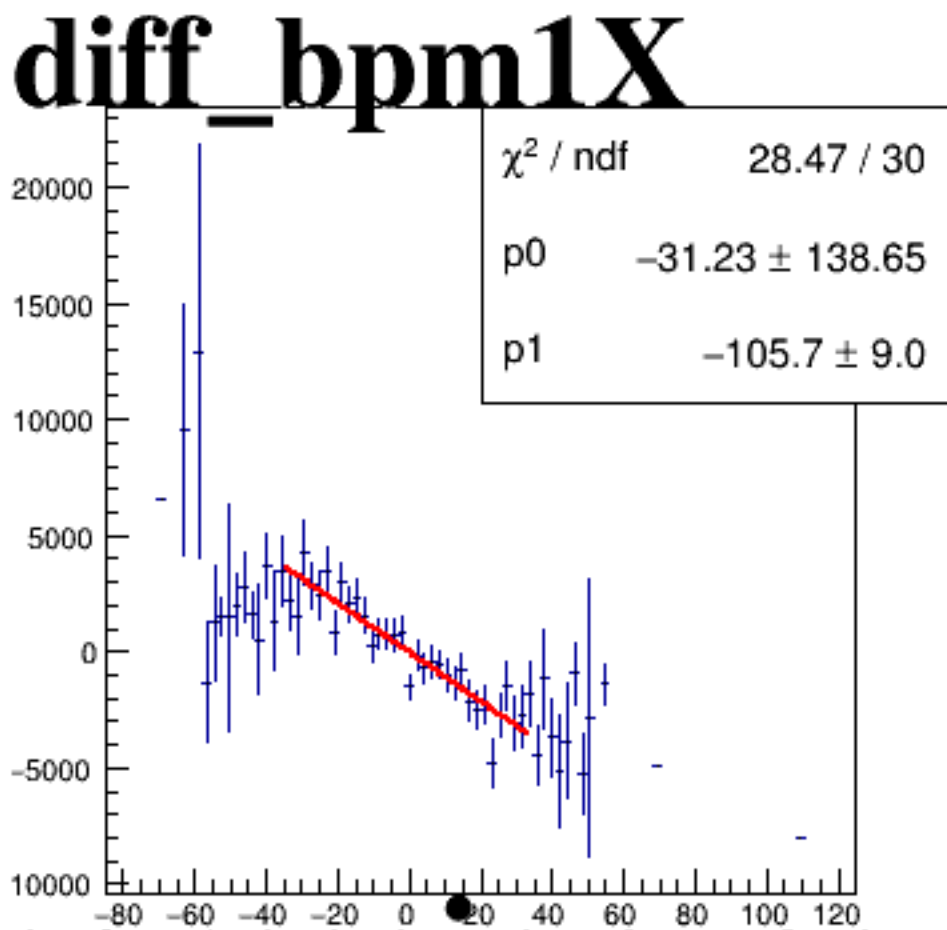
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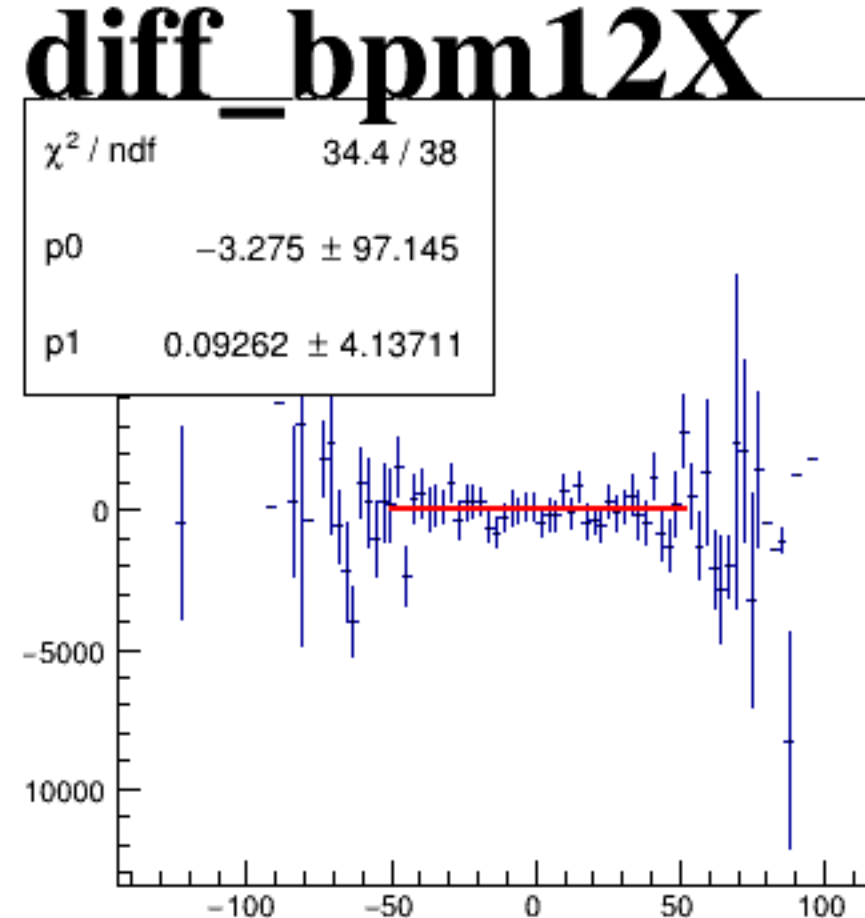
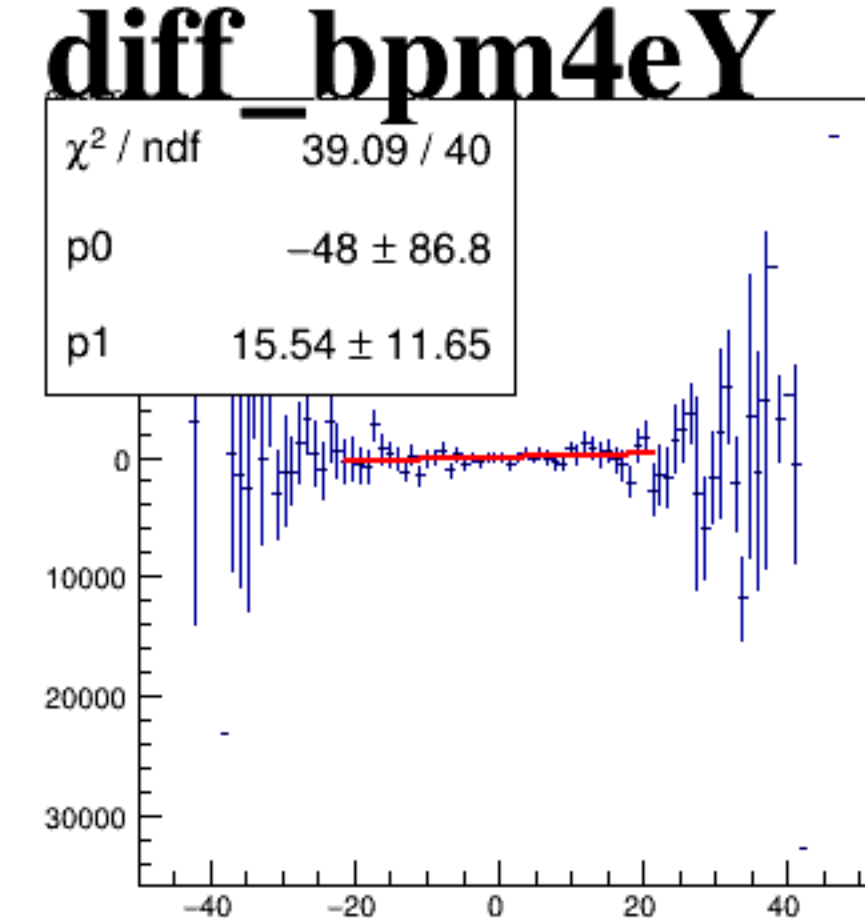
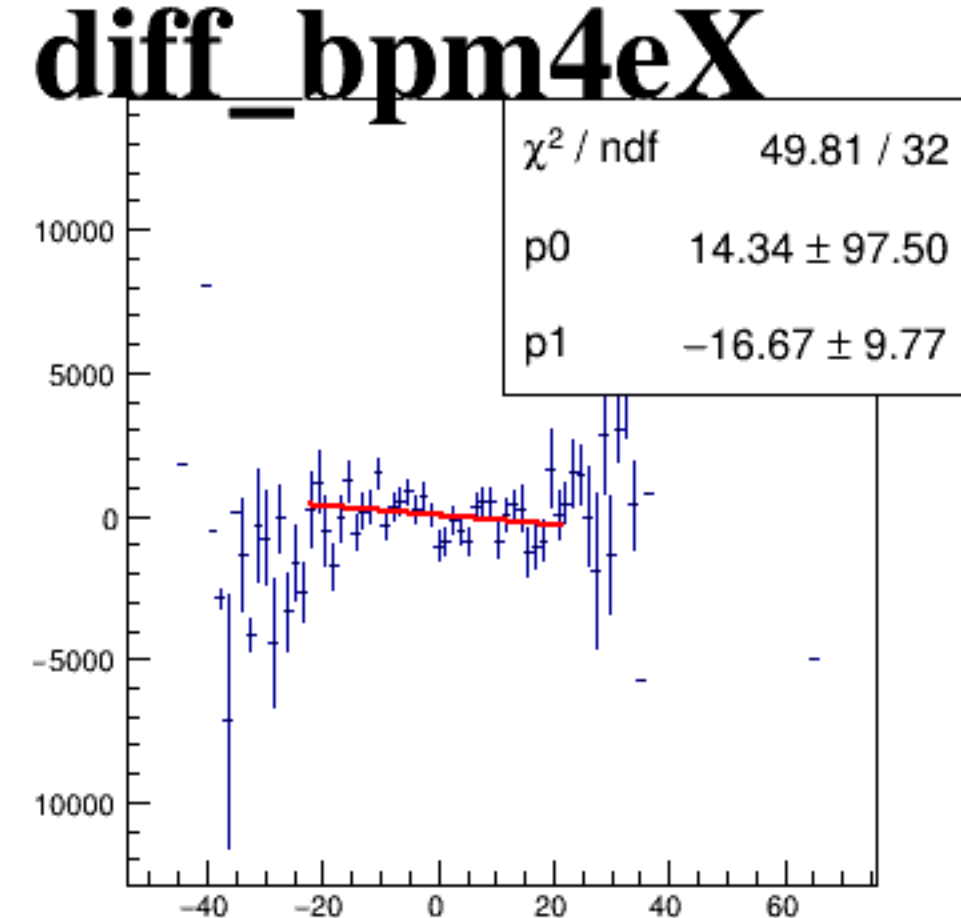
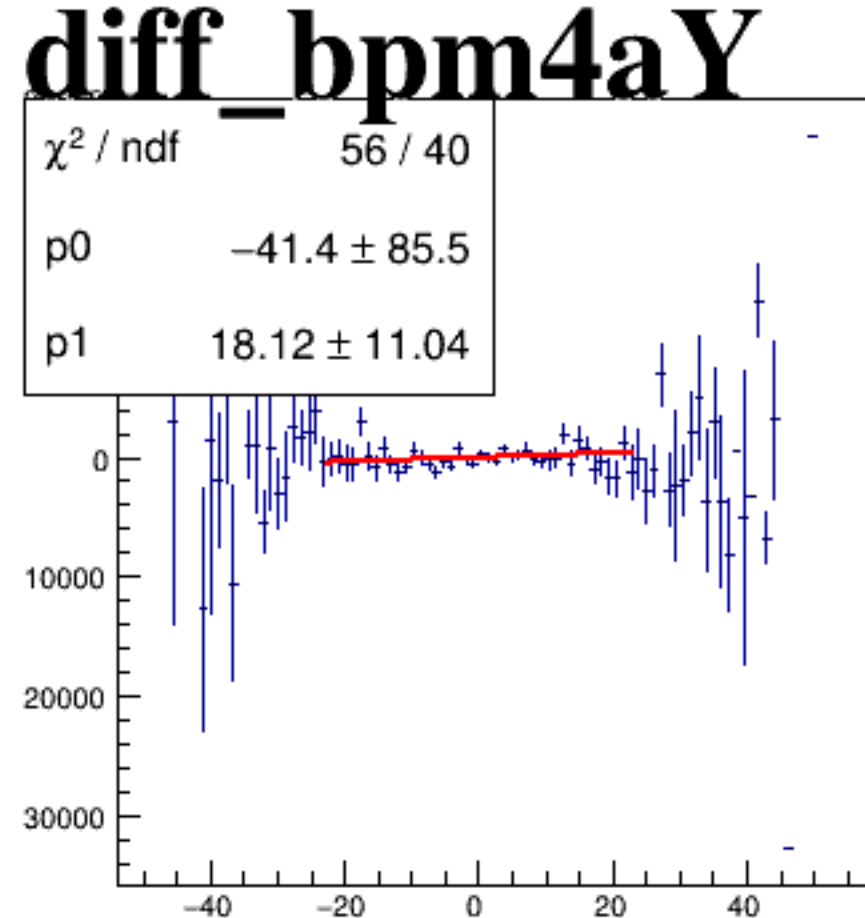
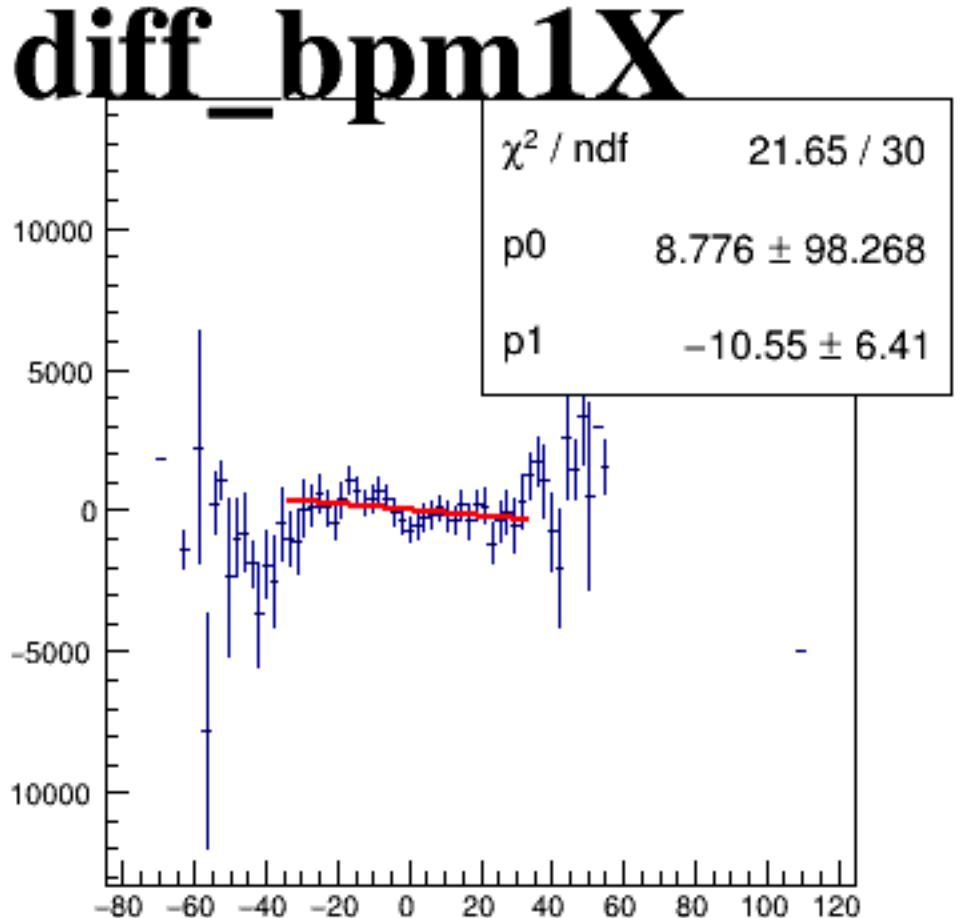
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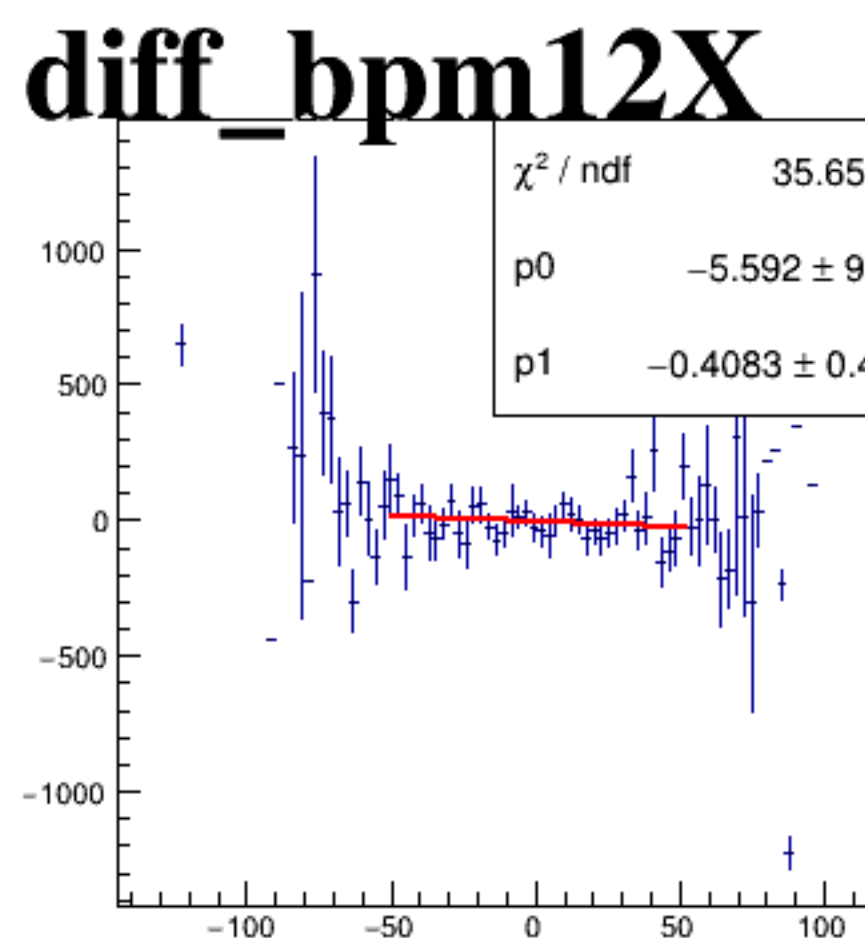
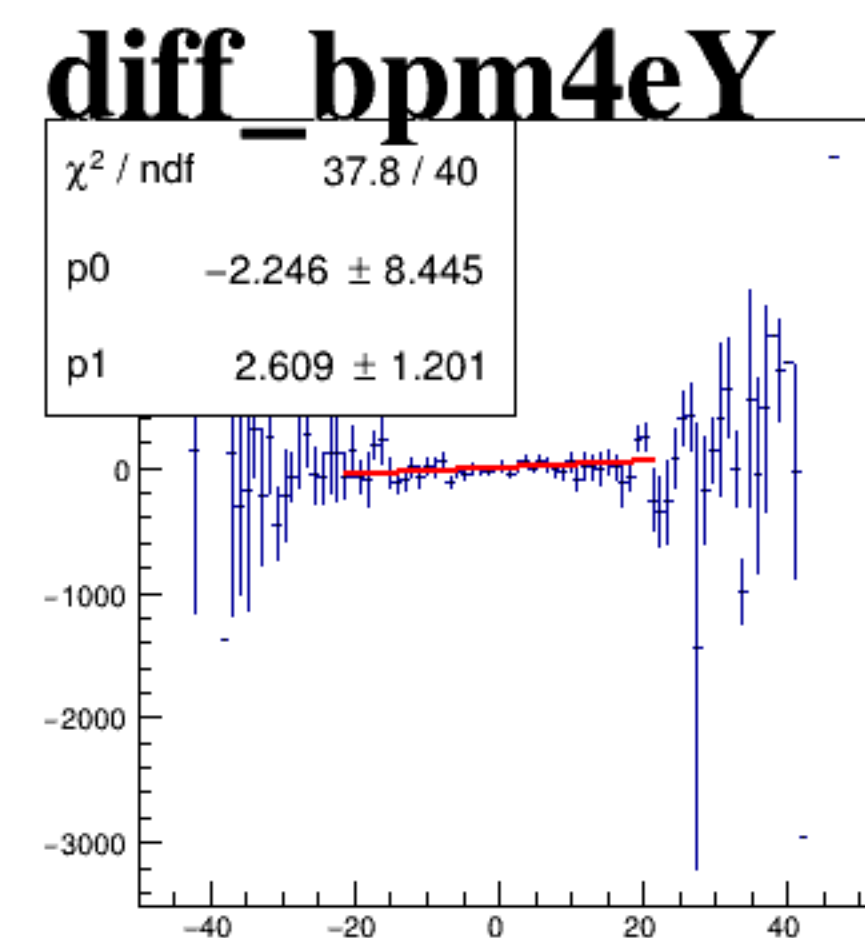
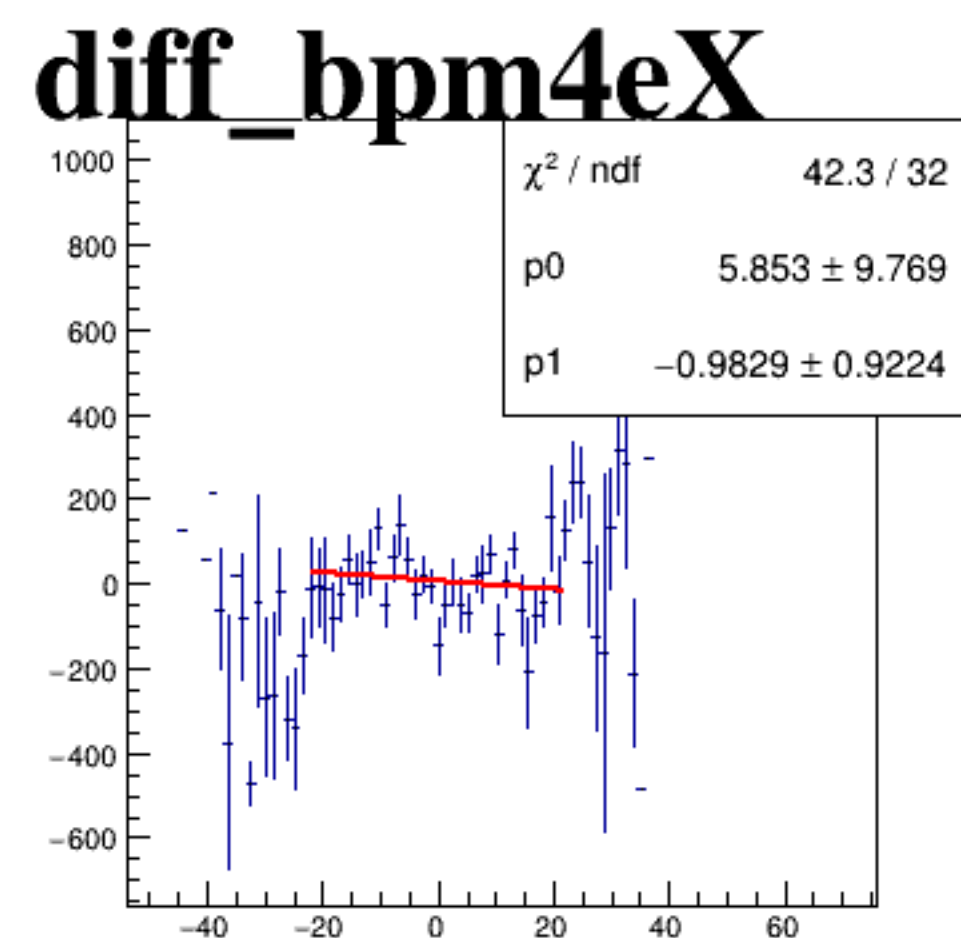
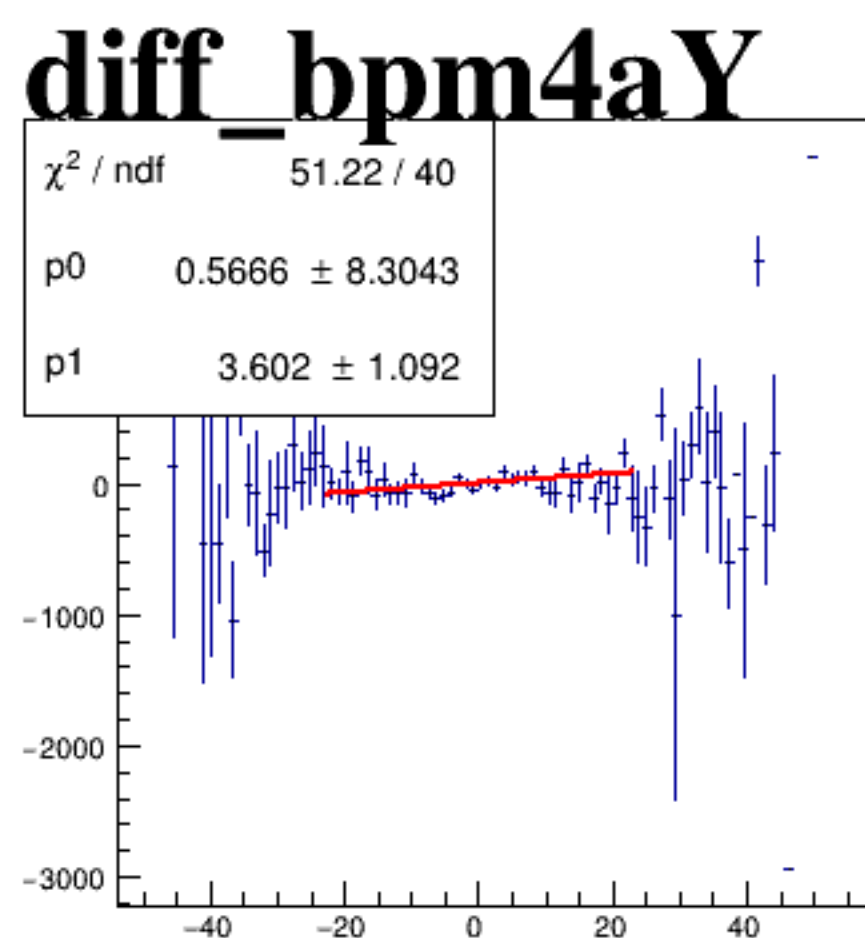
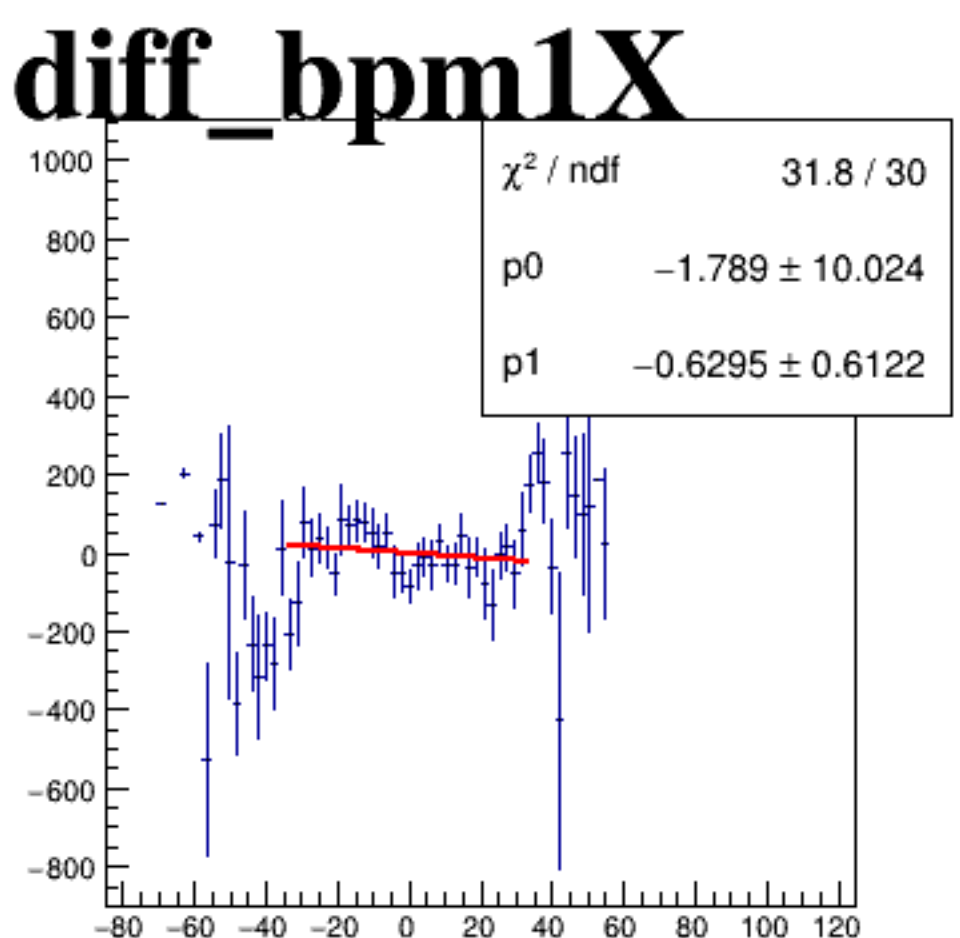
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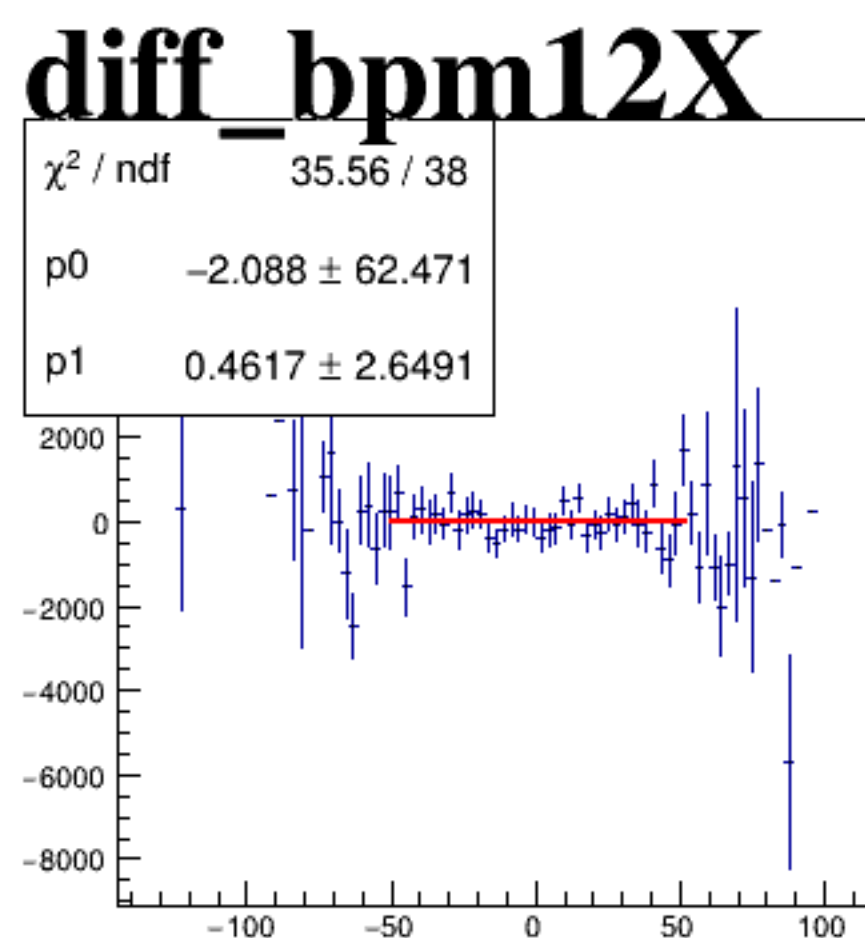
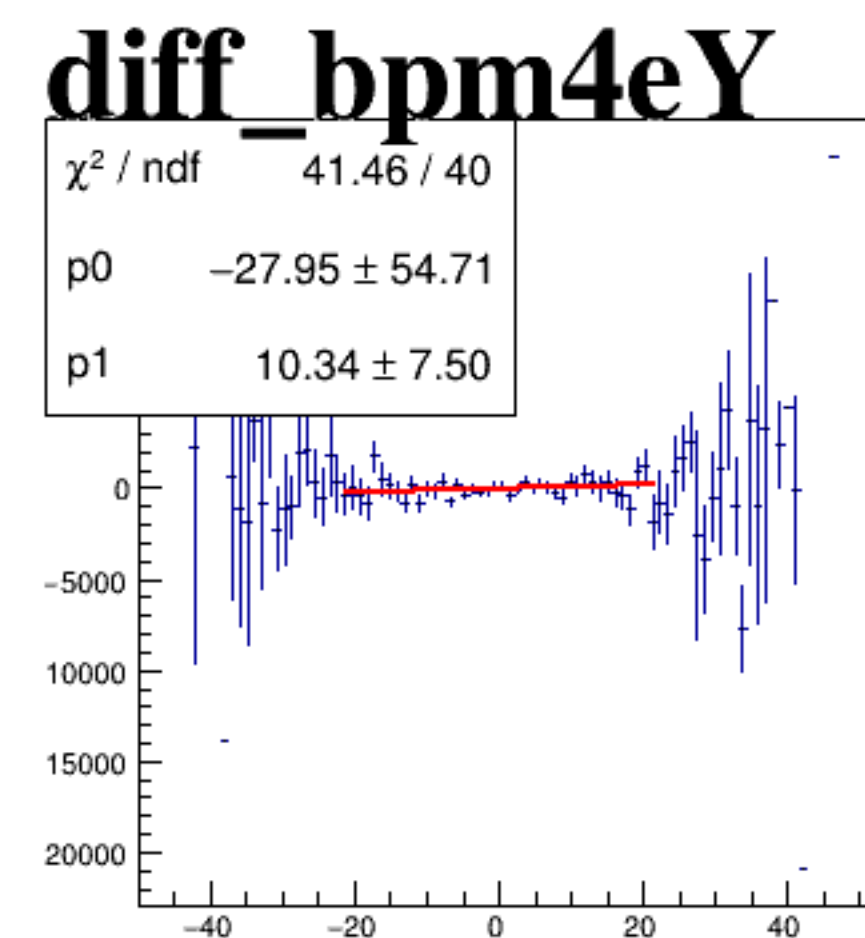
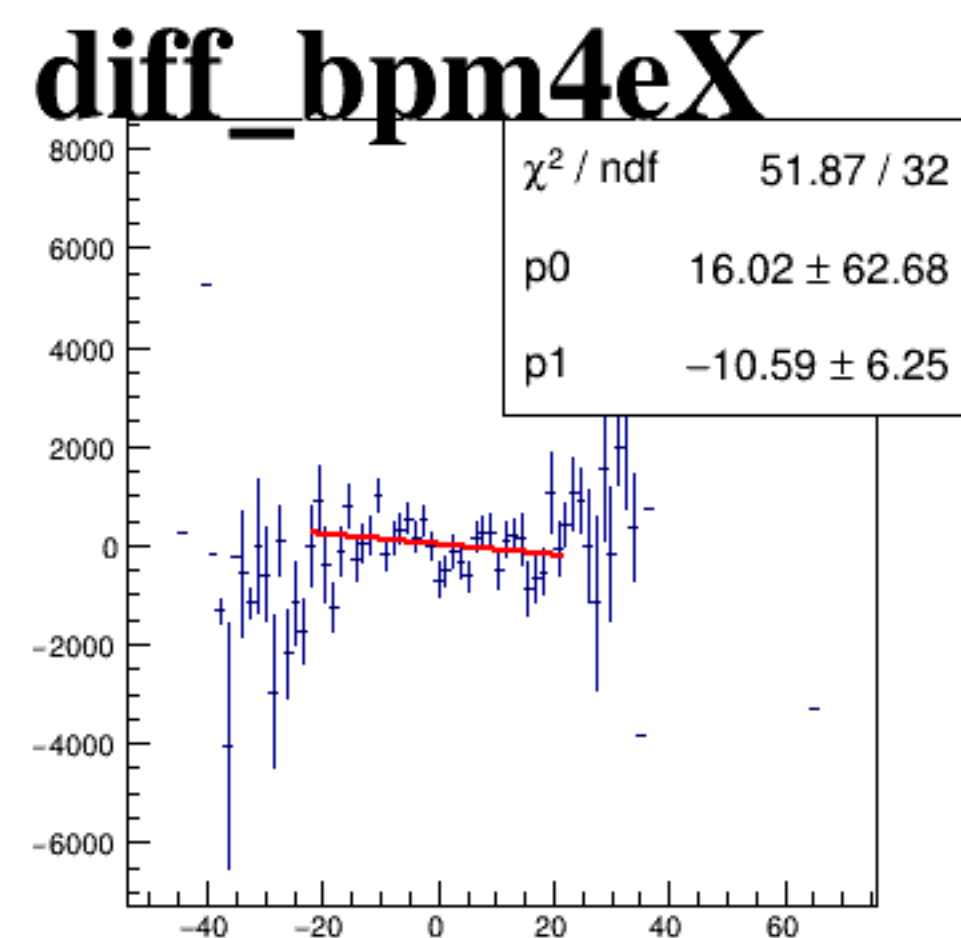
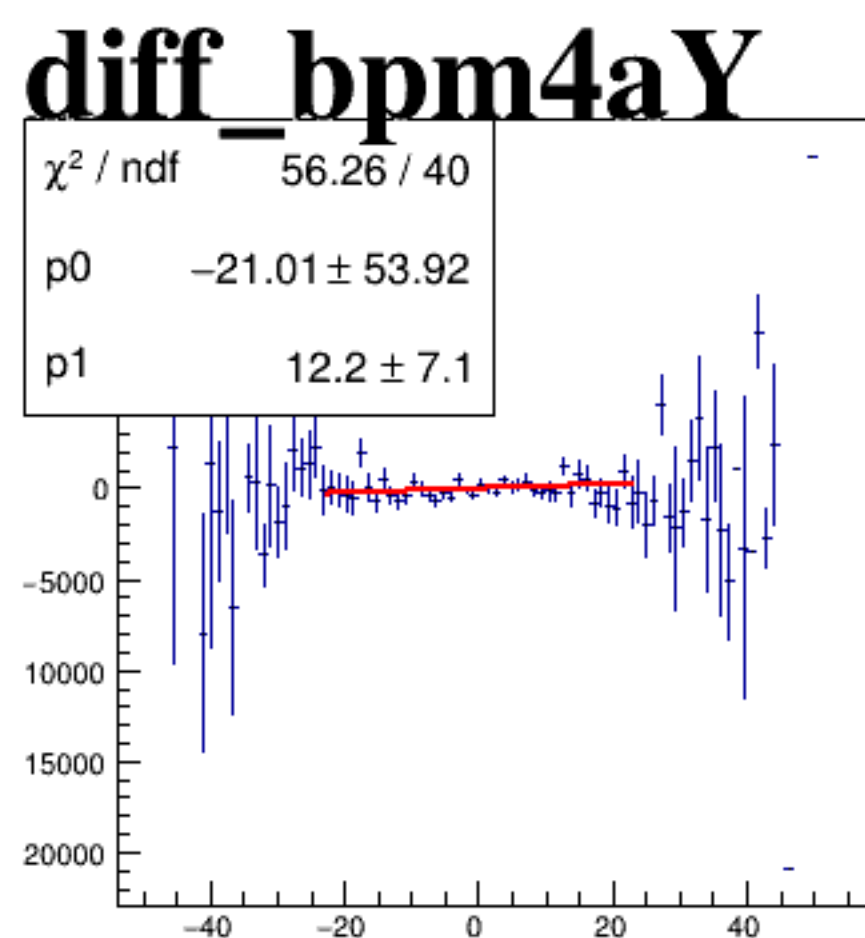
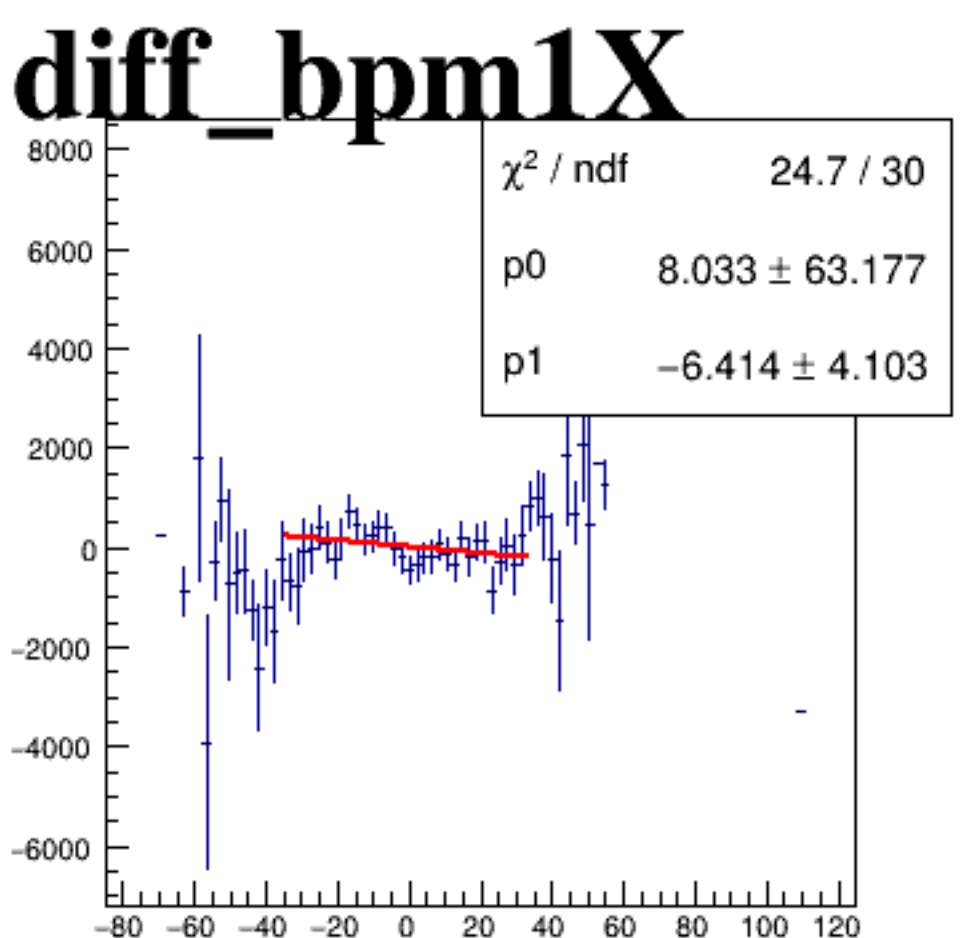
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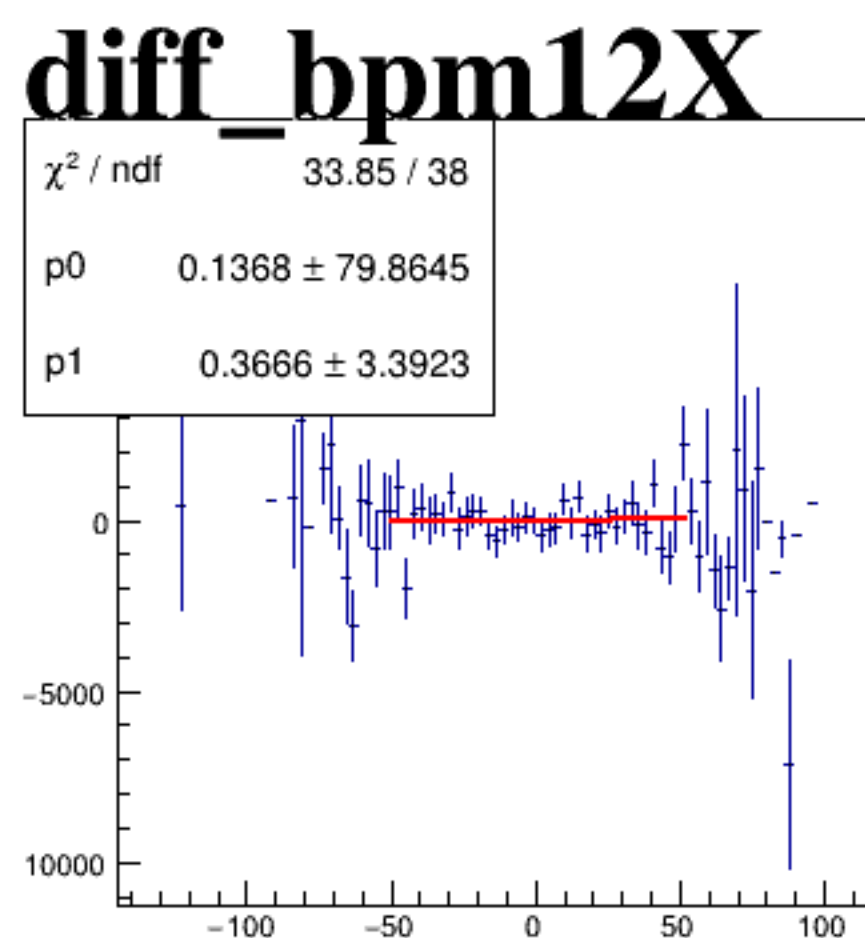
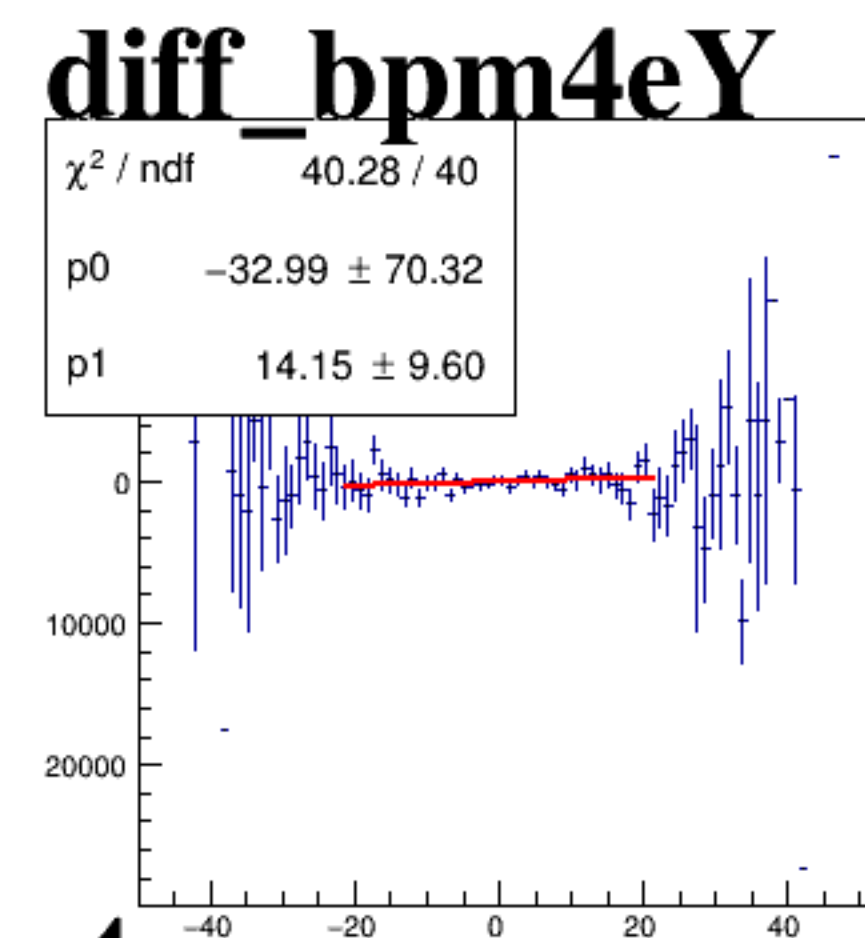
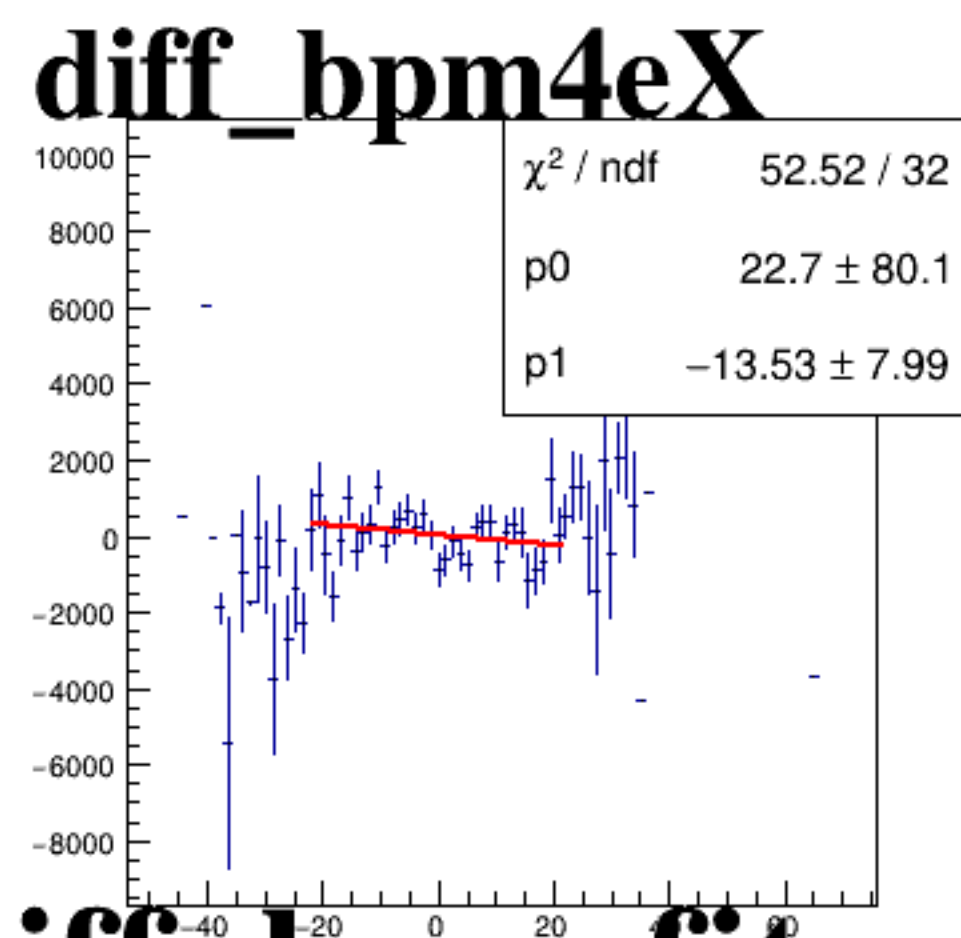
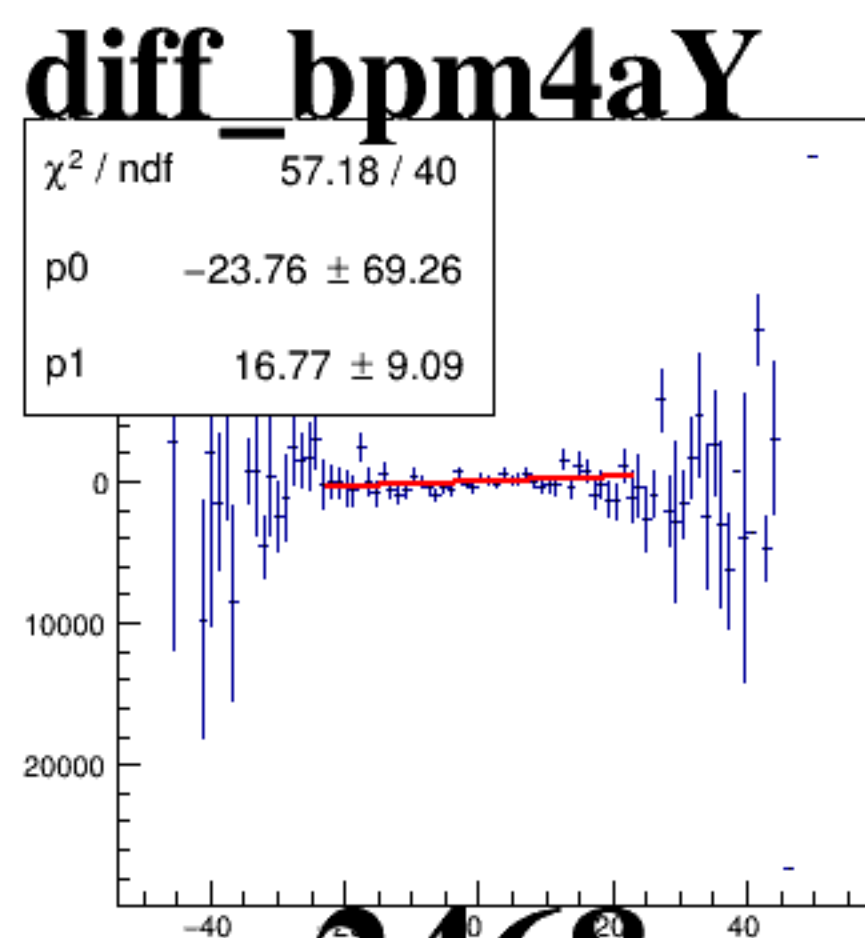
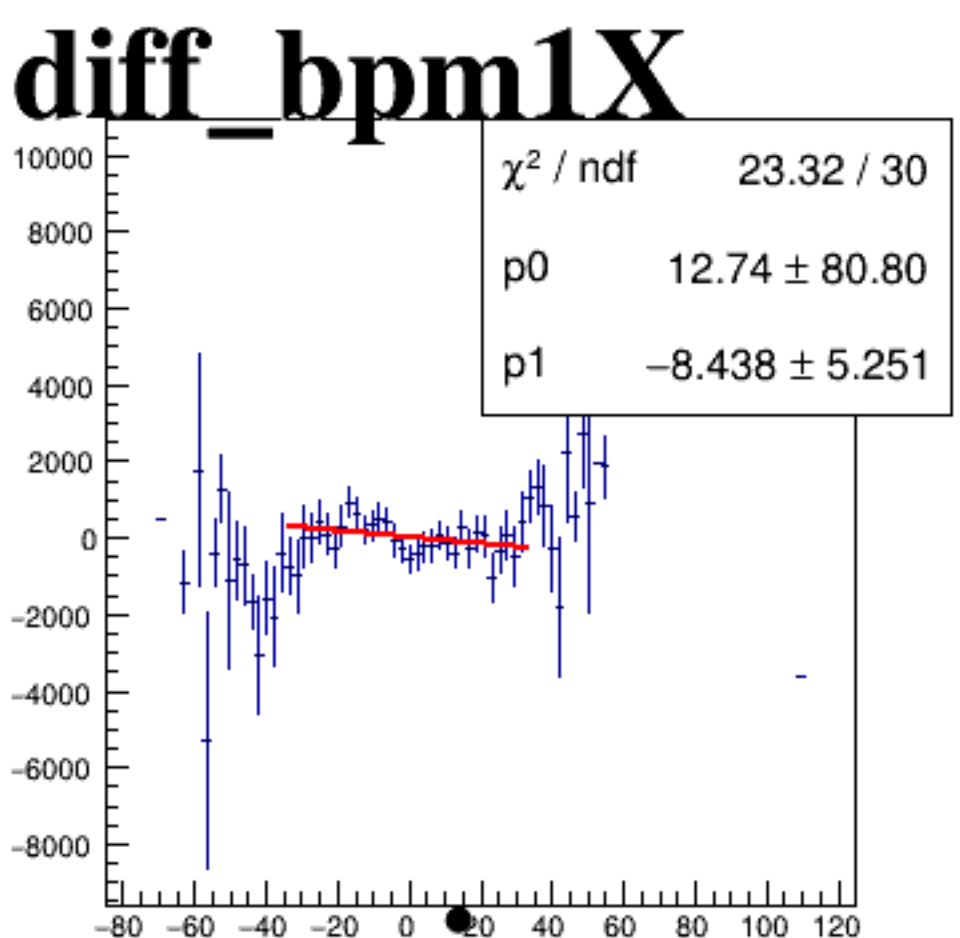
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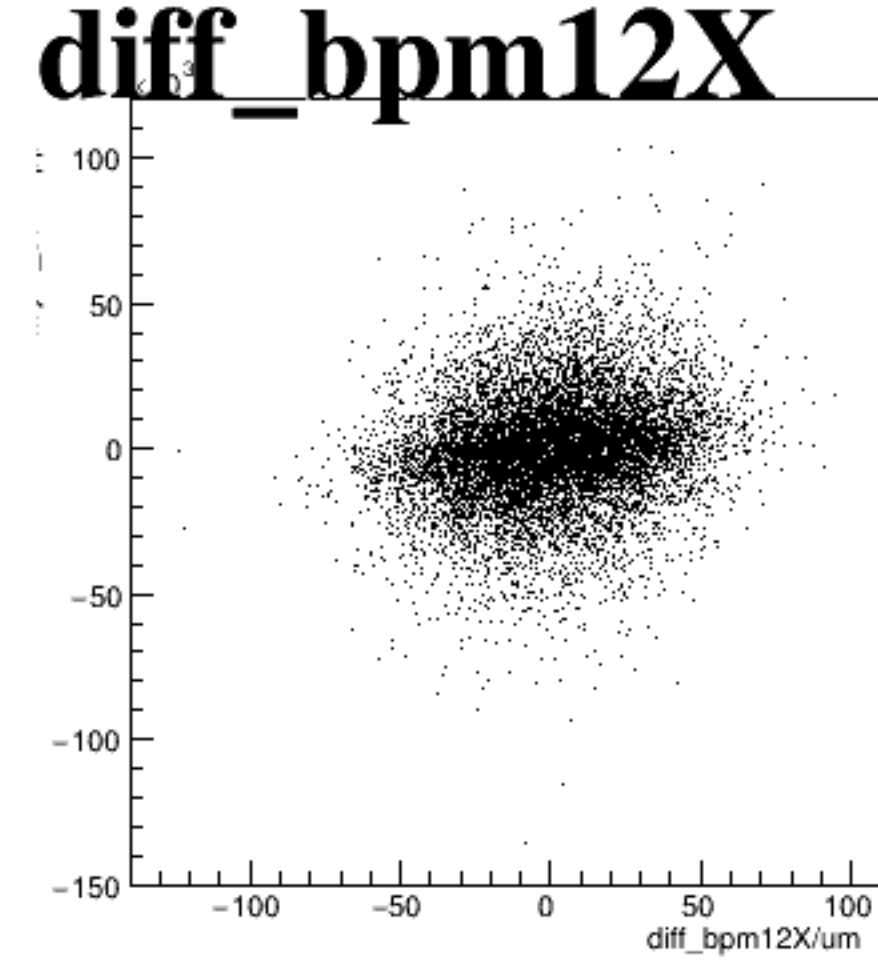
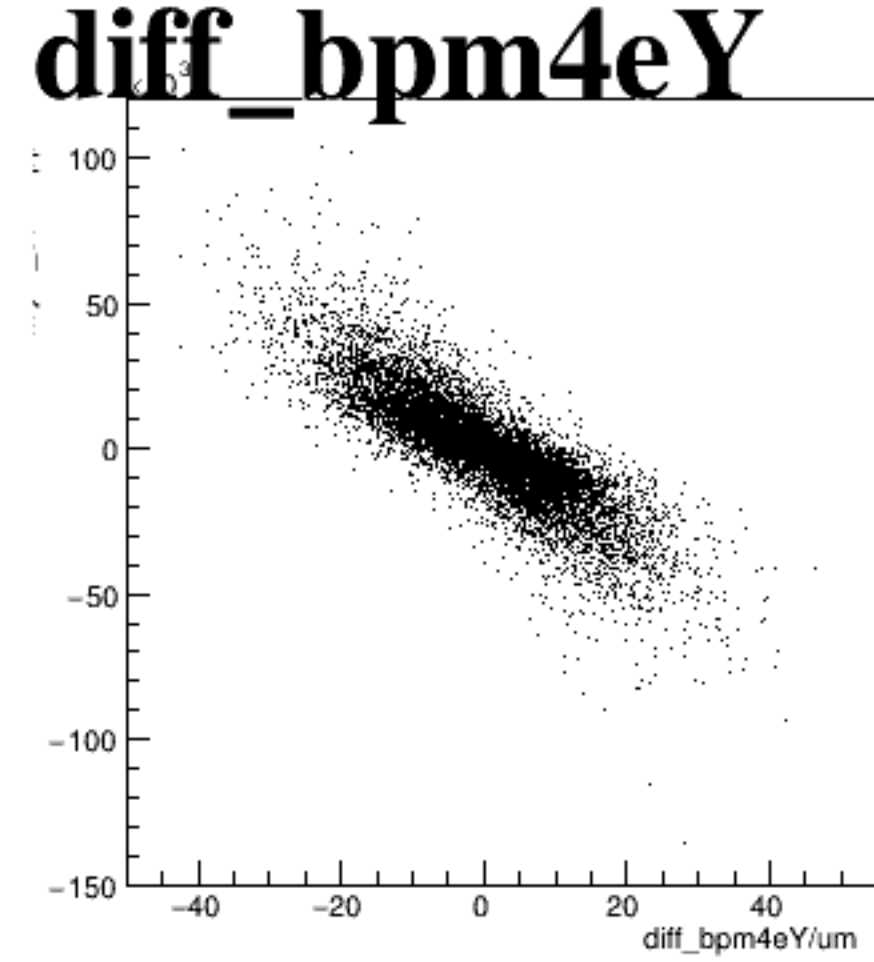
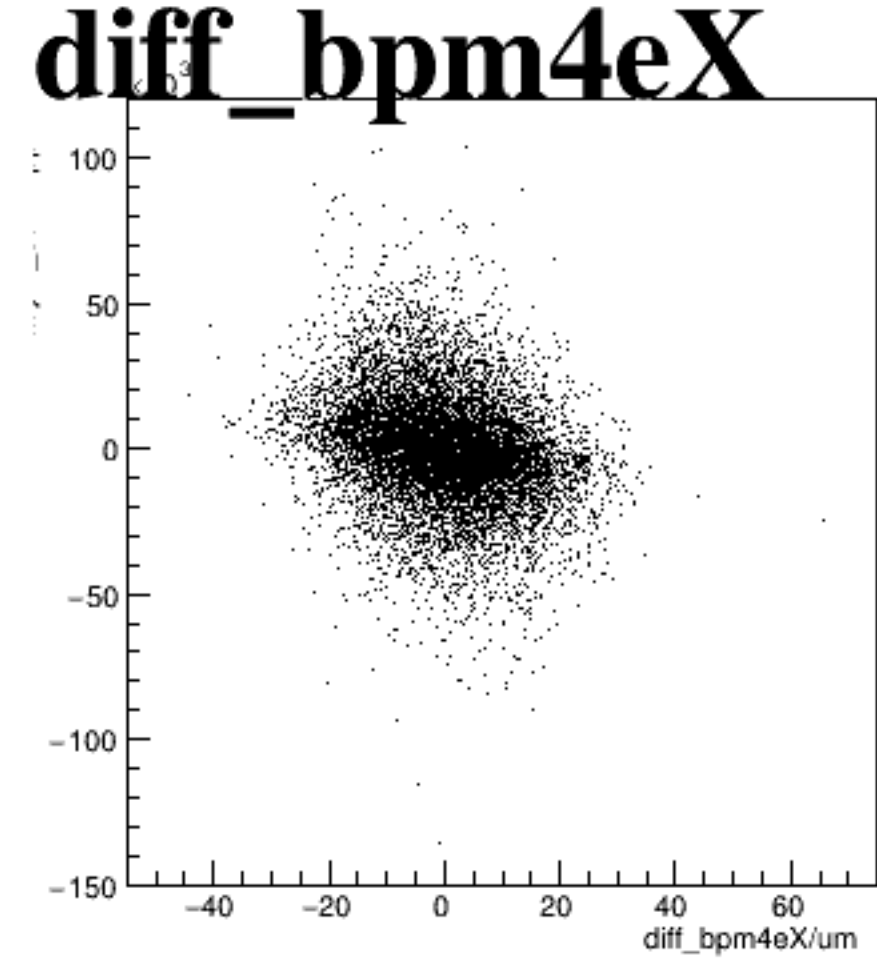
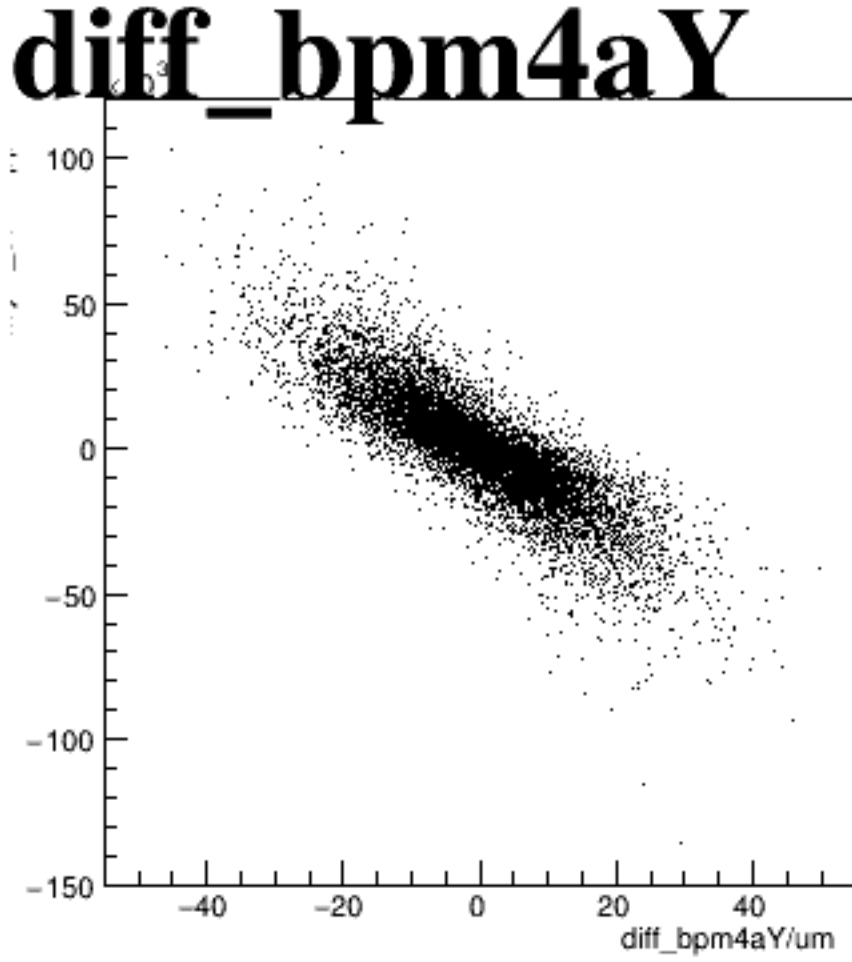
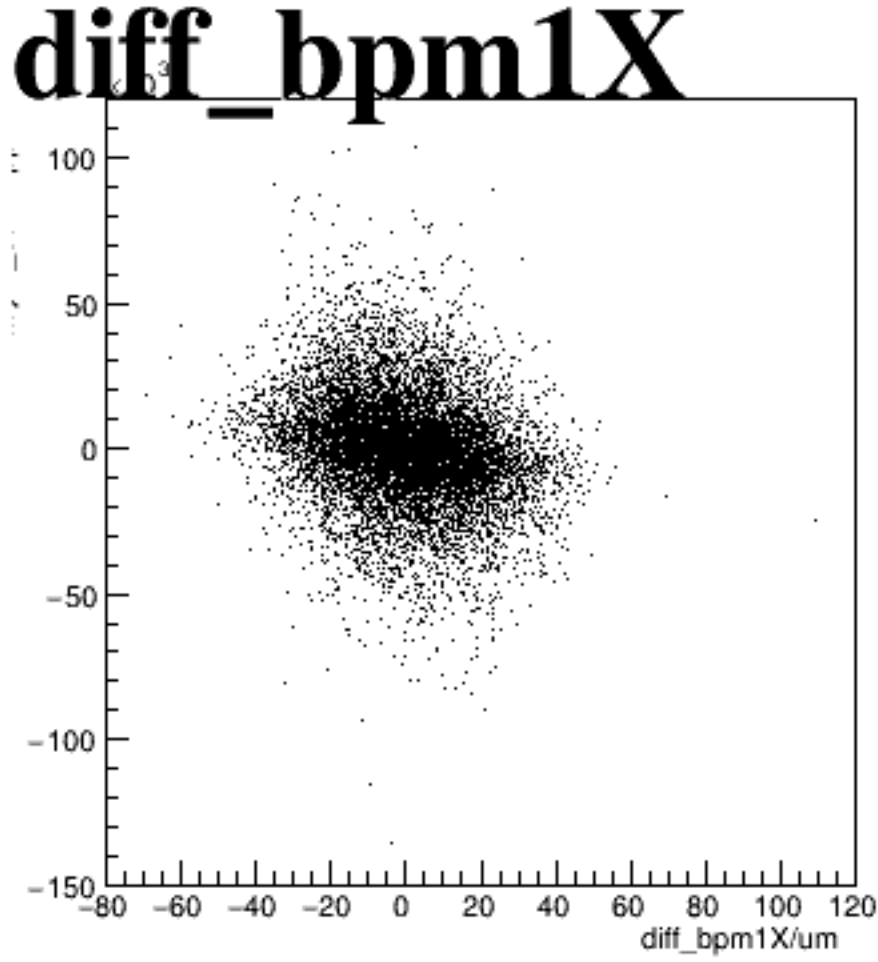
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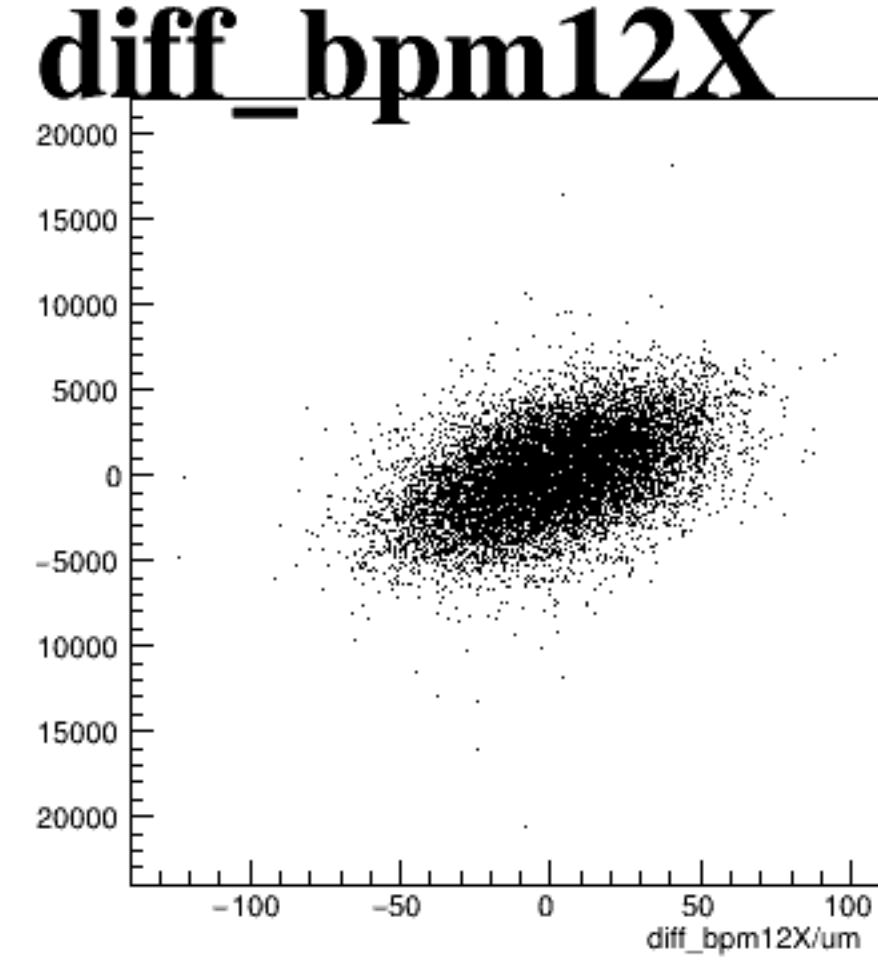
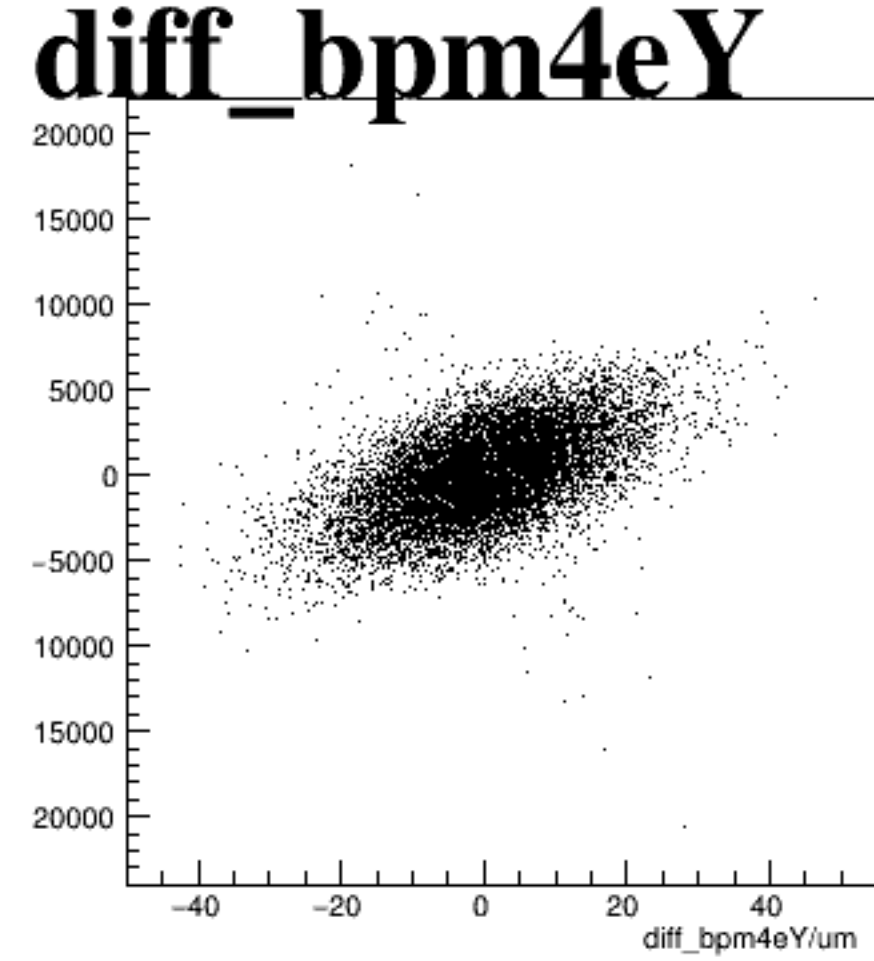
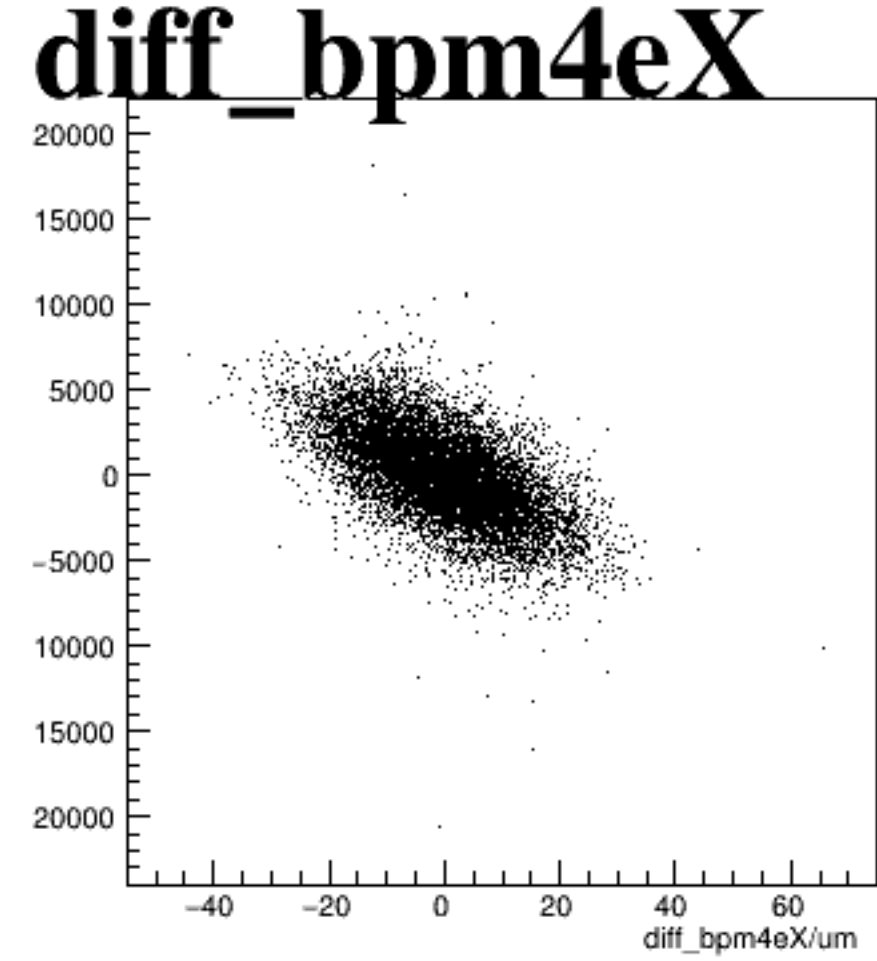
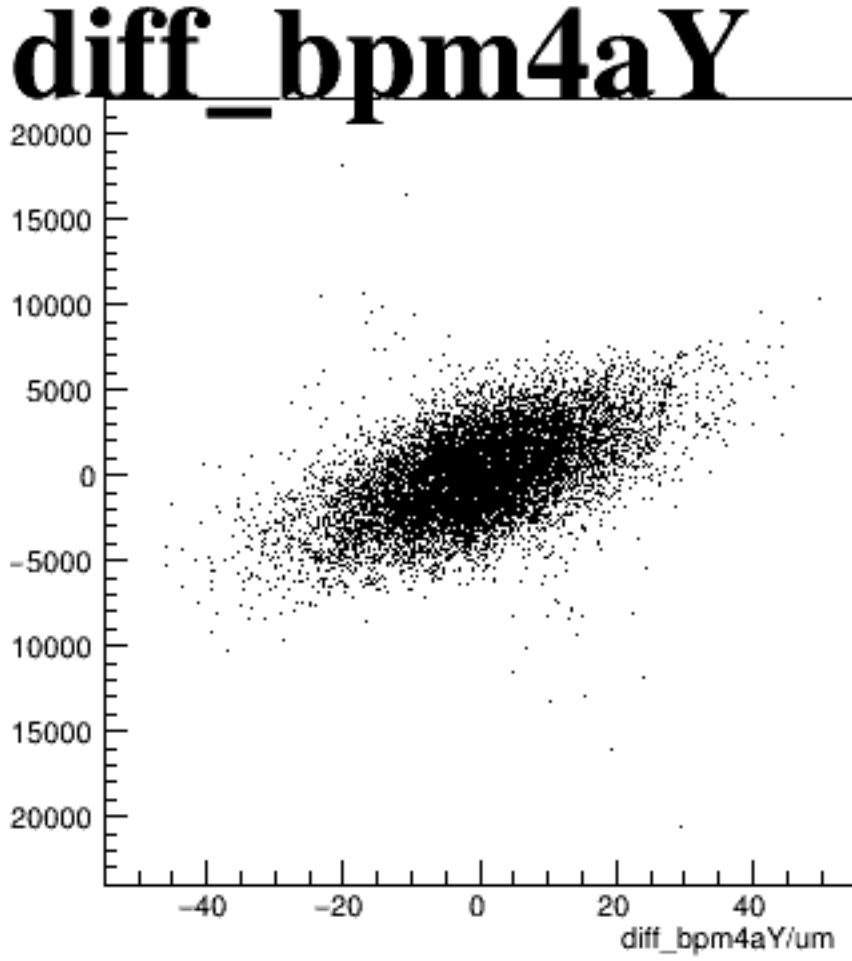
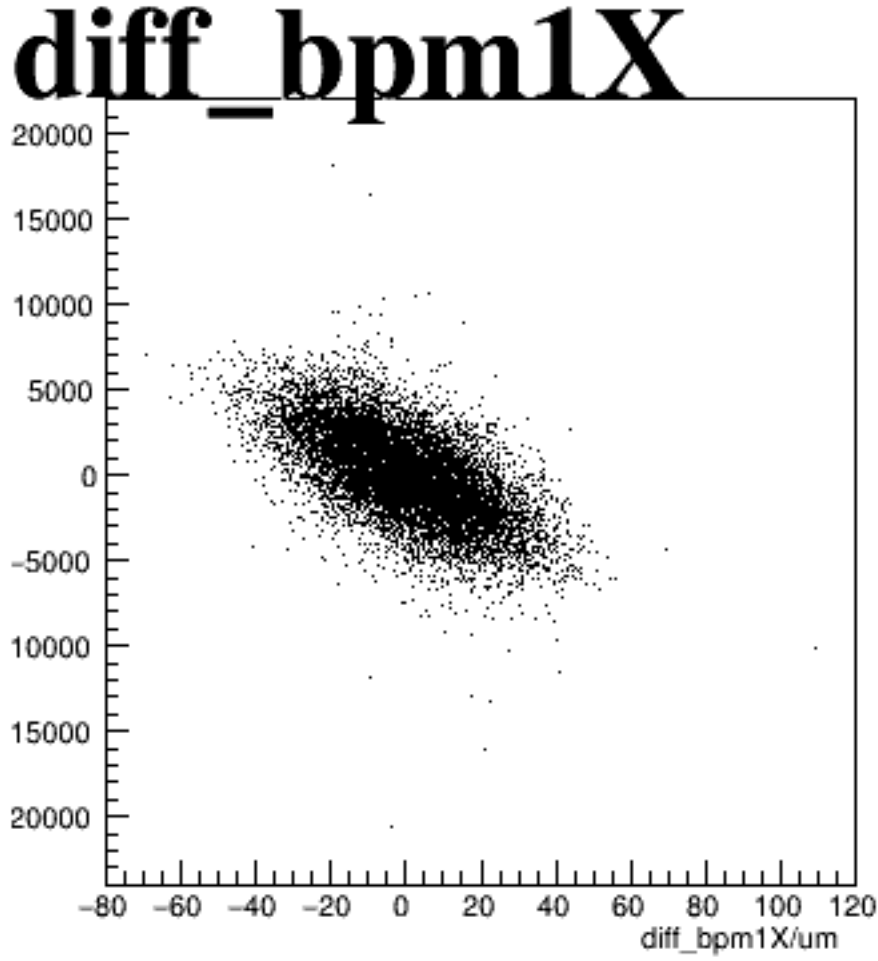
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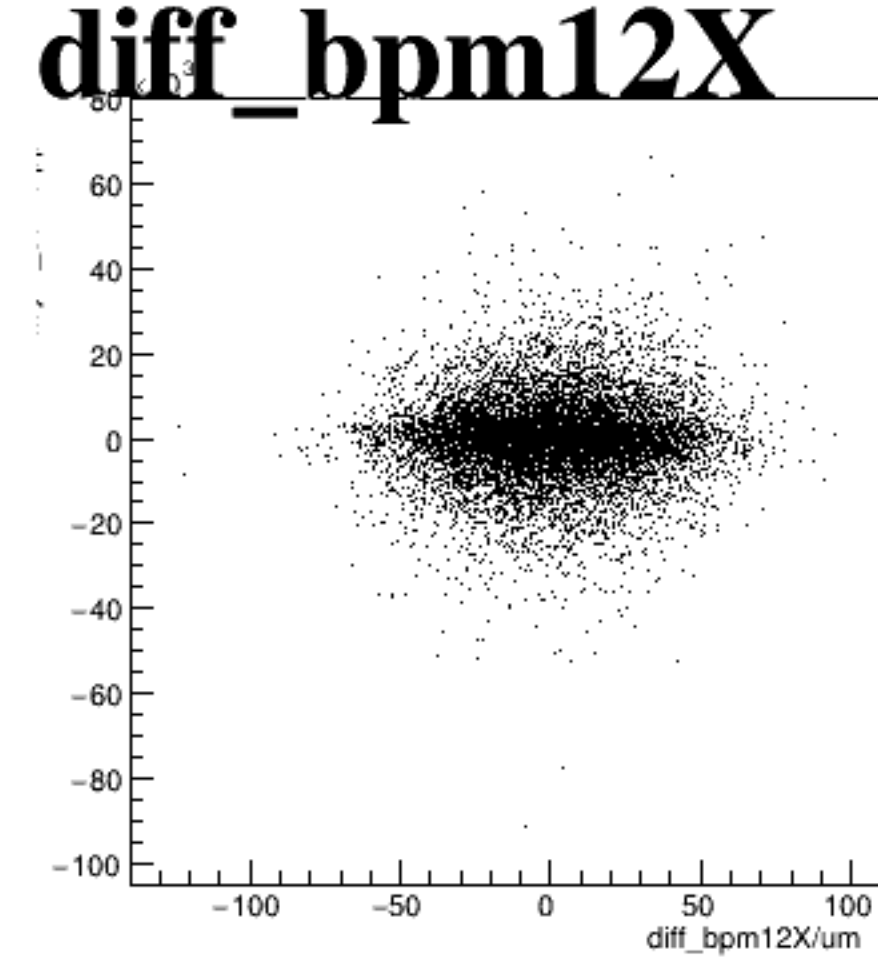
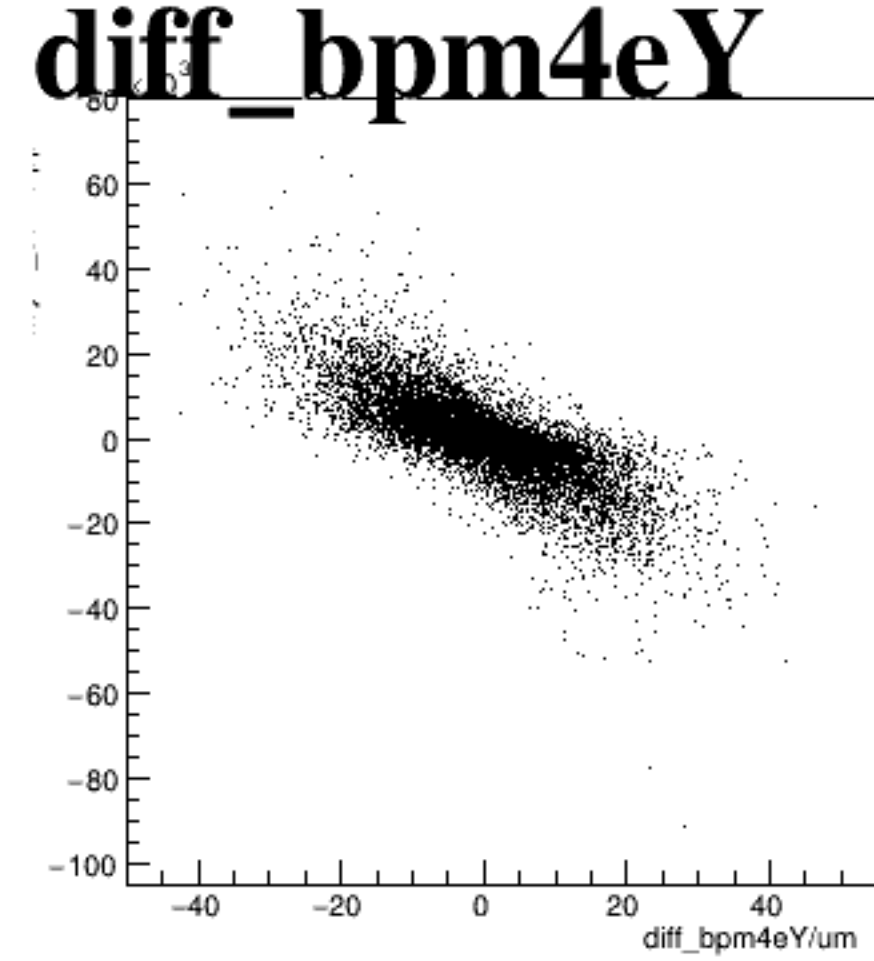
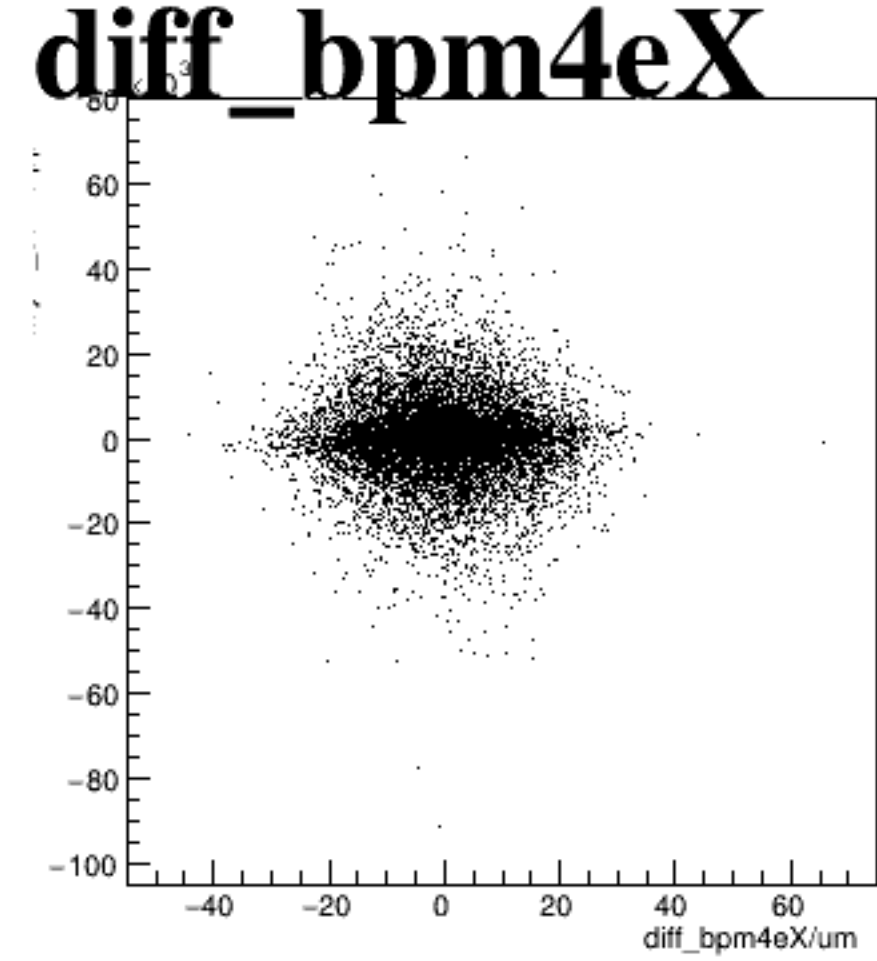
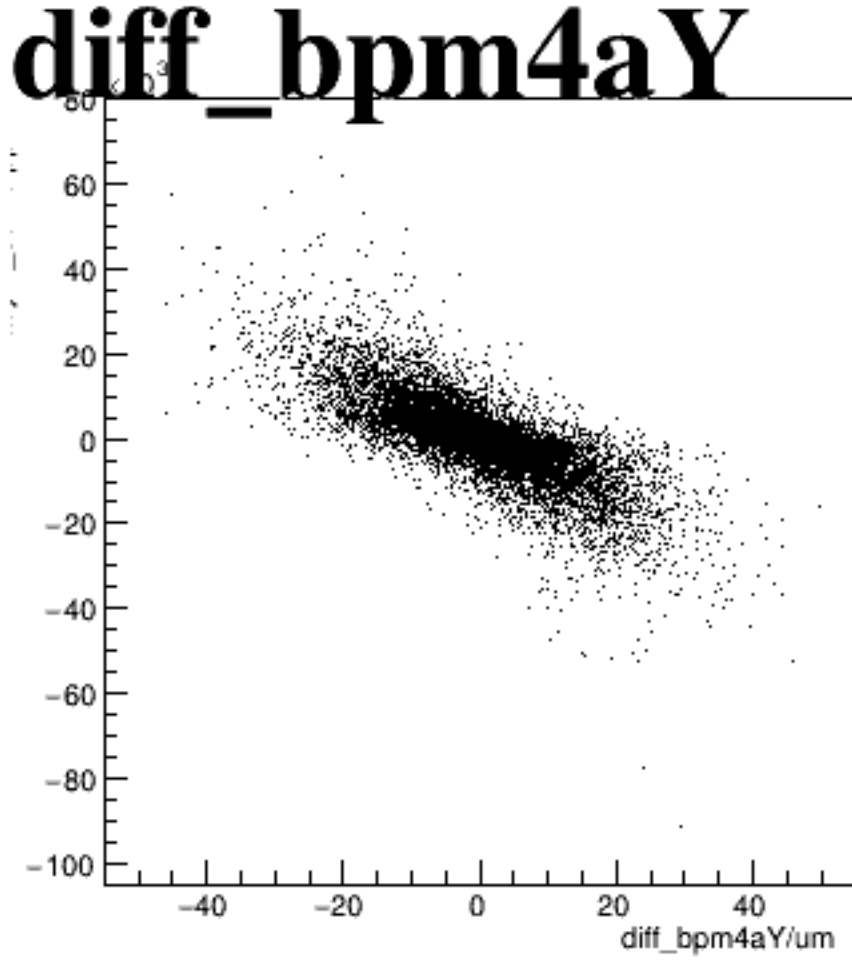
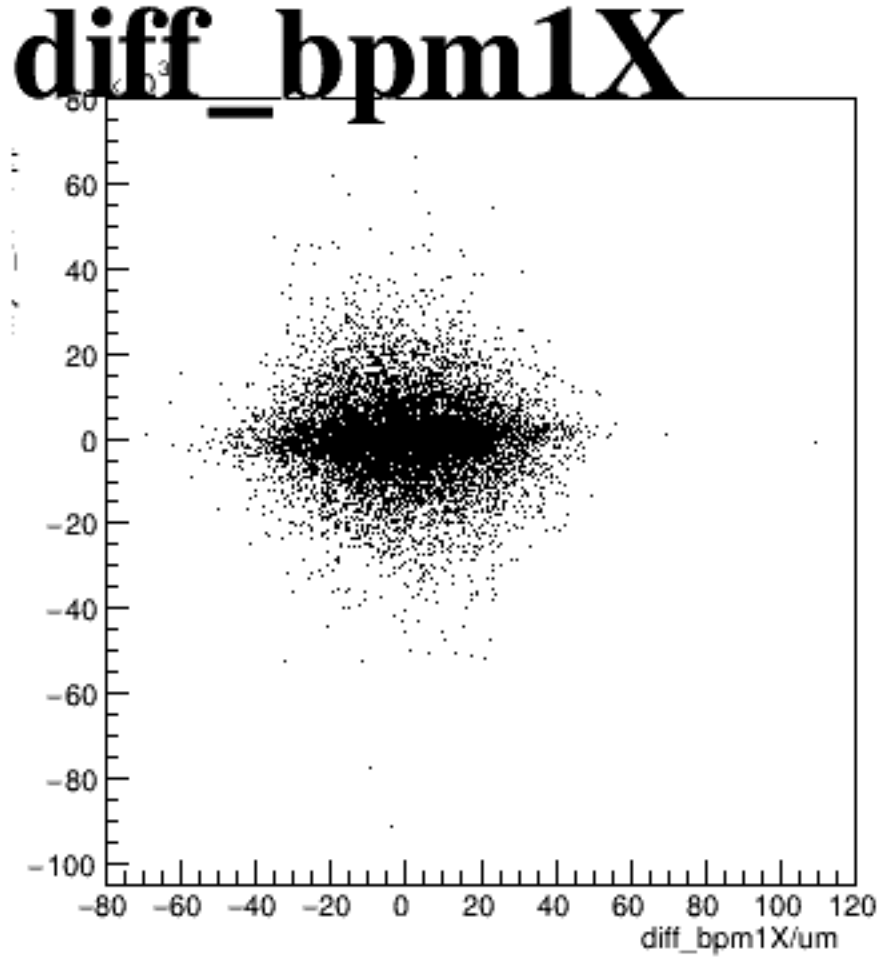
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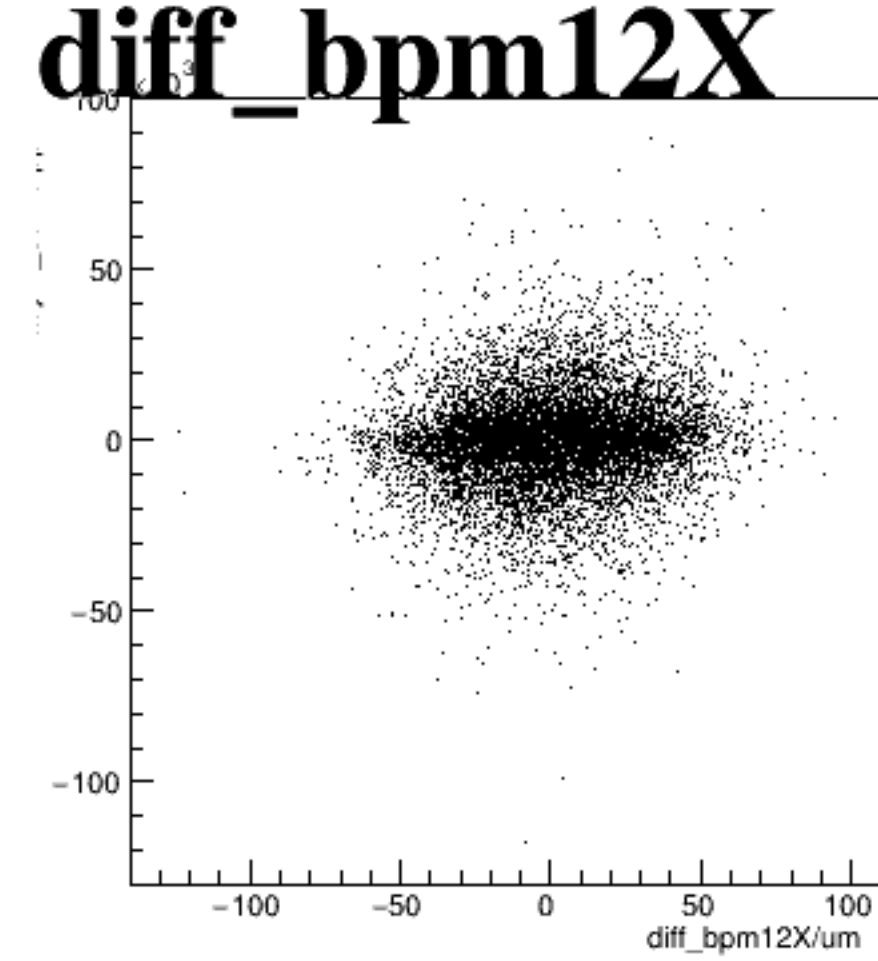
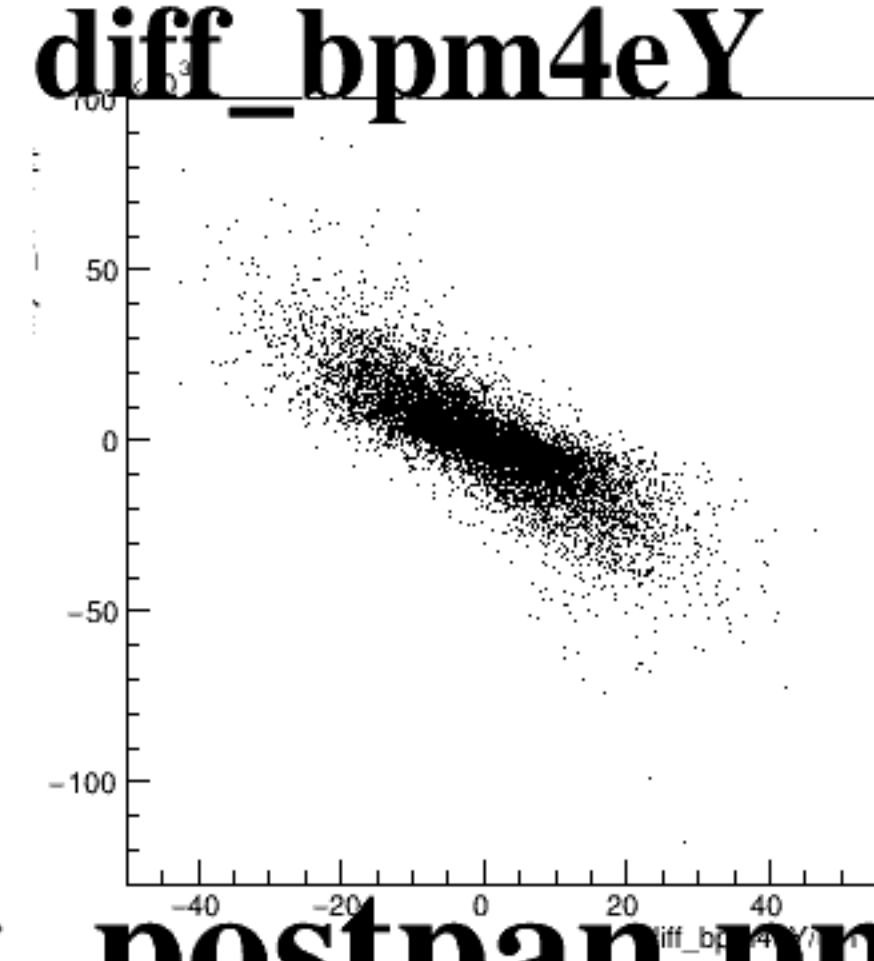
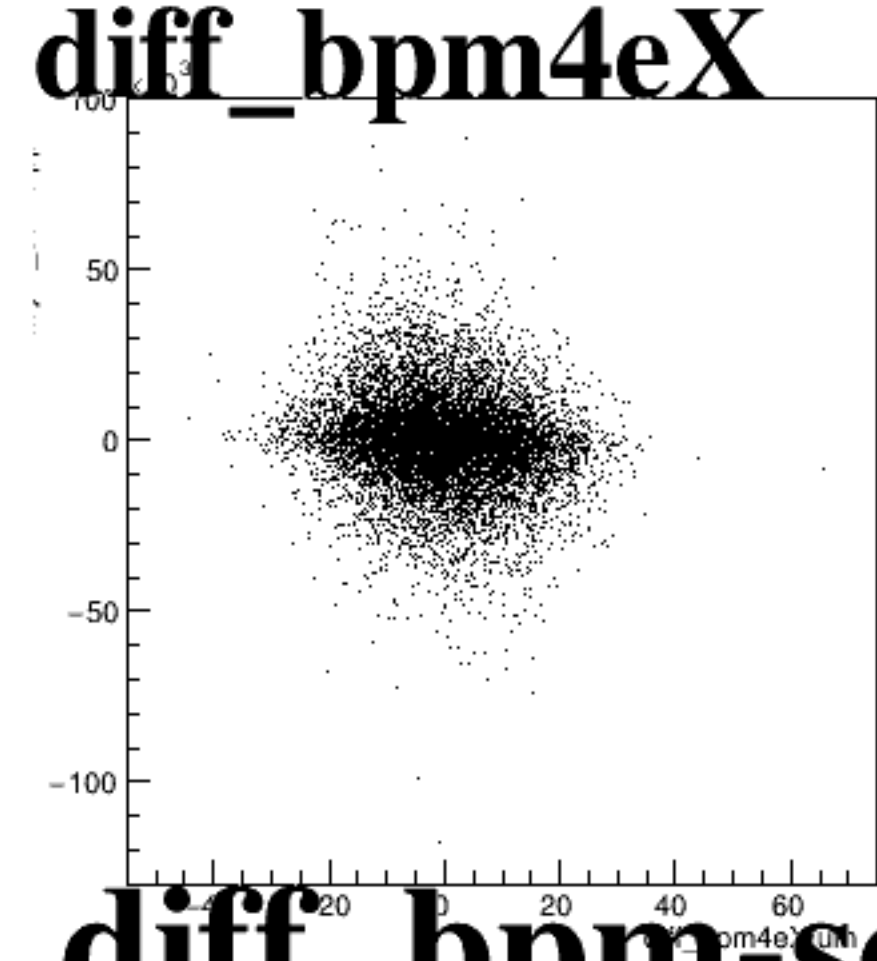
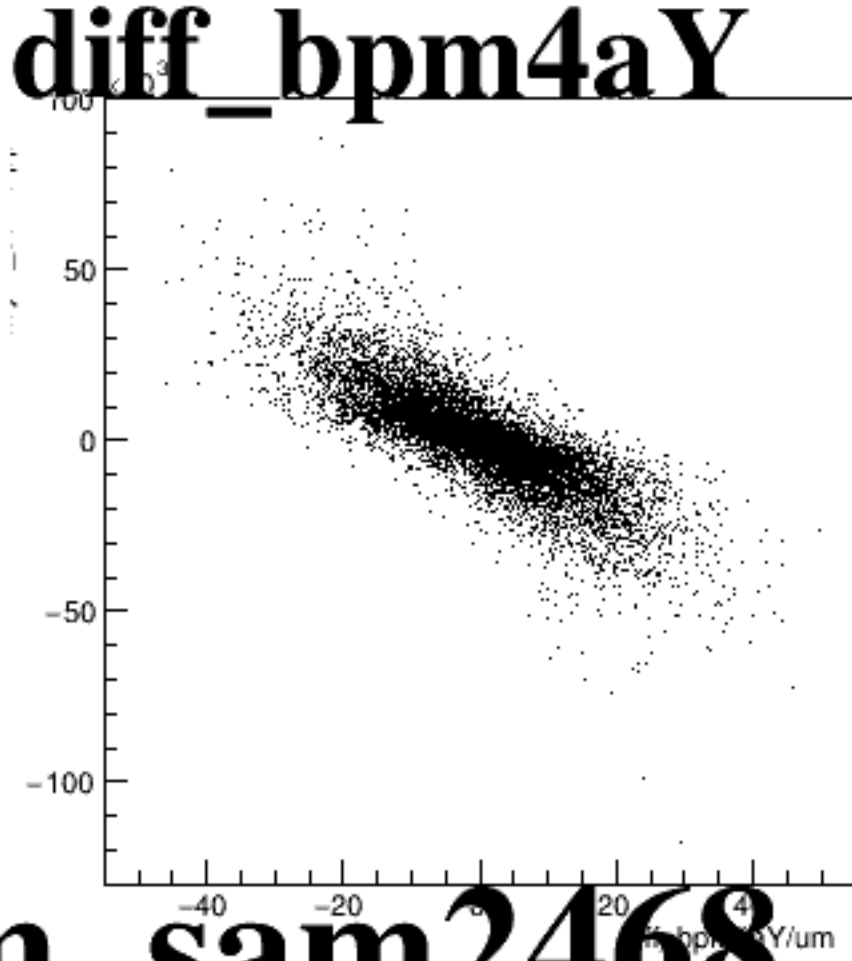
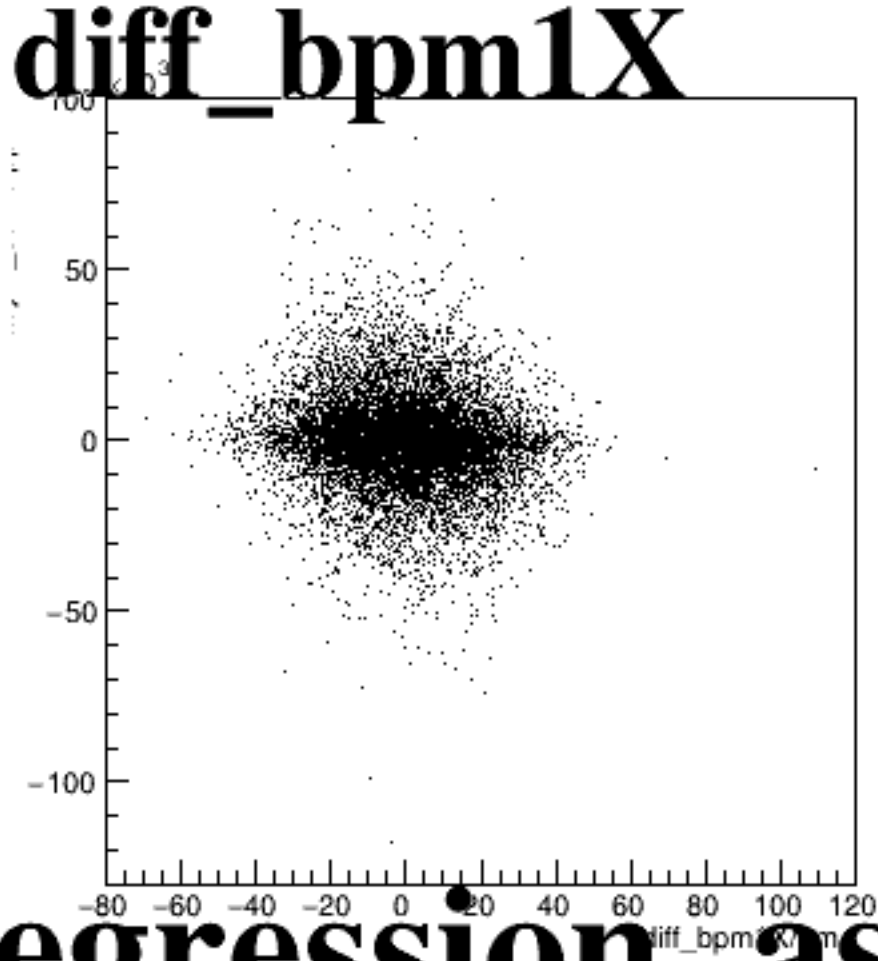
asym_sam4



asym_sam6



asym_sam8



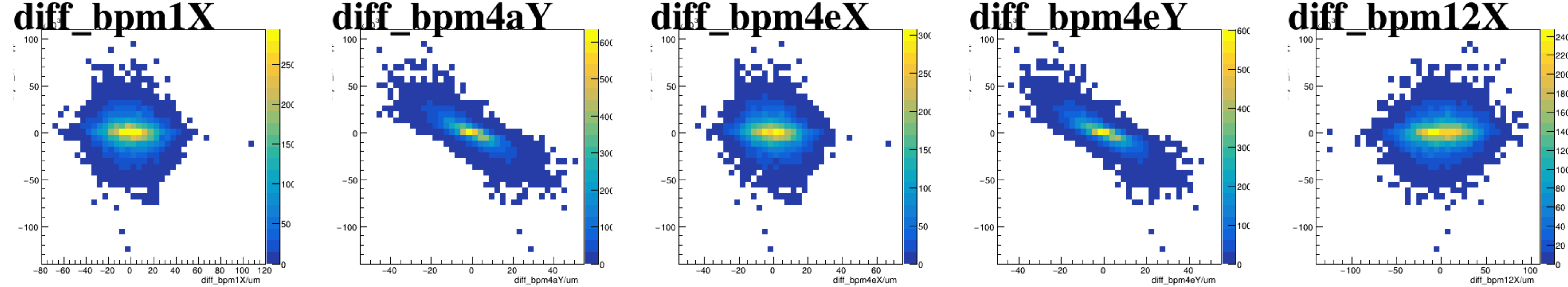
The figure consists of five scatter plots arranged horizontally, each showing the difference in BPM (diff_bpm) for a specific beam parameter. The y-axis for all plots is labeled 'diff_bpm' and ranges from -100 to 80. The x-axis for each plot is labeled 'diff_bpm[parameter]/um' and ranges from -80 to 120 for the first plot, and -40 to 60 for the others. The plots are titled 'diff_bpm1X', 'diff_bpm4aY', 'diff_bpm4eX', 'diff_bpm4eY', and 'diff_bpm12X'. Each plot shows a dense cloud of points centered around zero, indicating that the difference in BPM is generally small and centered around zero for these parameters.

The figure displays five scatter plots, each representing the distribution of a specific difference variable. The plots are arranged horizontally and labeled as follows:

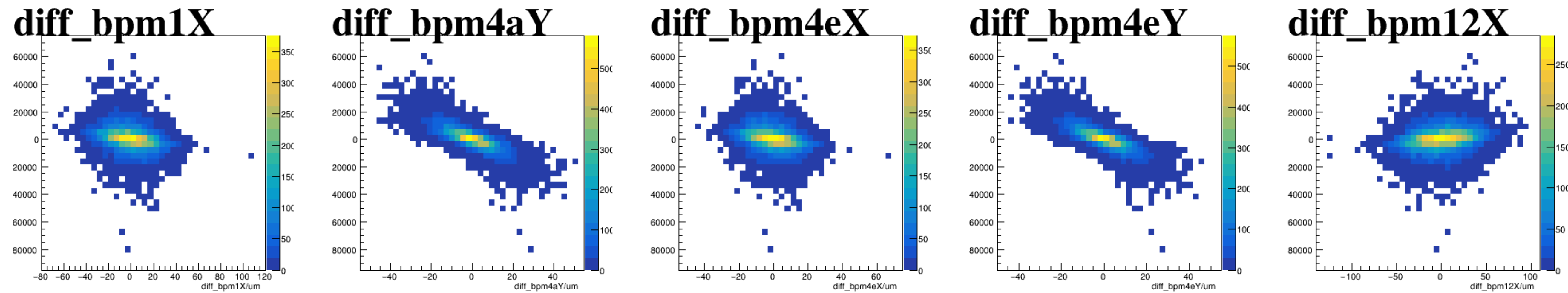
- diff_bpm1X**: The x-axis ranges from -80 to 120, and the y-axis ranges from -80,000 to 80,000.
- diff_bpm4aY**: The x-axis ranges from -40 to 40, and the y-axis ranges from -80,000 to 80,000.
- diff_bpm4eX**: The x-axis ranges from -40 to 60, and the y-axis ranges from -80,000 to 80,000.
- diff_bpm4eY**: The x-axis ranges from -40 to 40, and the y-axis ranges from -80,000 to 80,000.
- diff_bpm12X**: The x-axis ranges from -100 to 100, and the y-axis ranges from -80,000 to 80,000.

All plots show a dense, roughly elliptical distribution of points centered around the origin (0,0), indicating that the difference variables are well-controlled and centered.

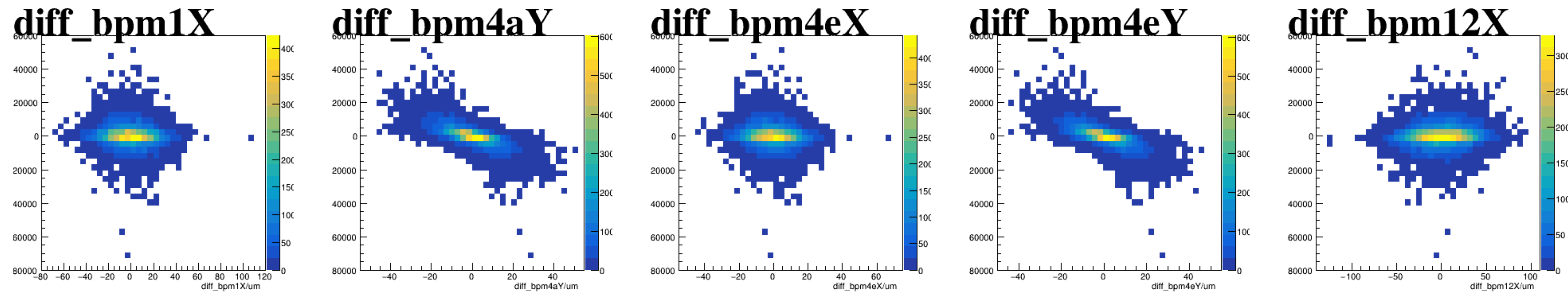
asym_sam1



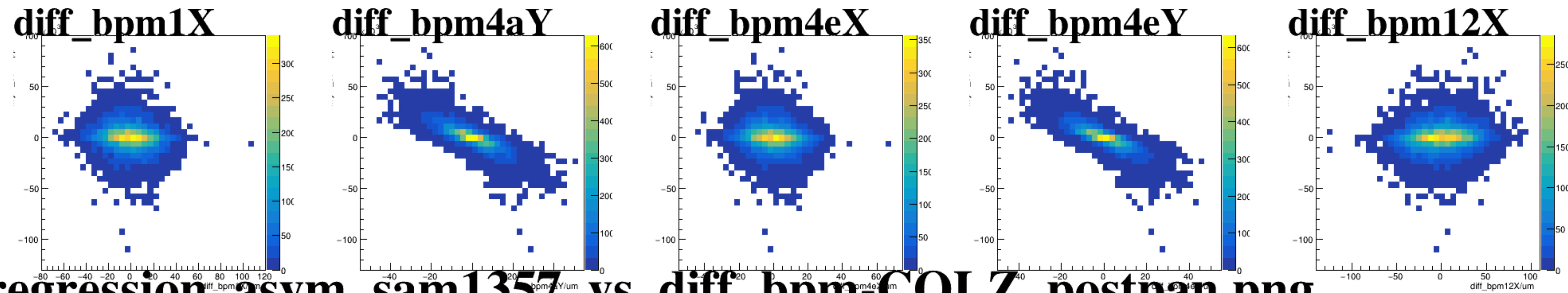
asym_sam3



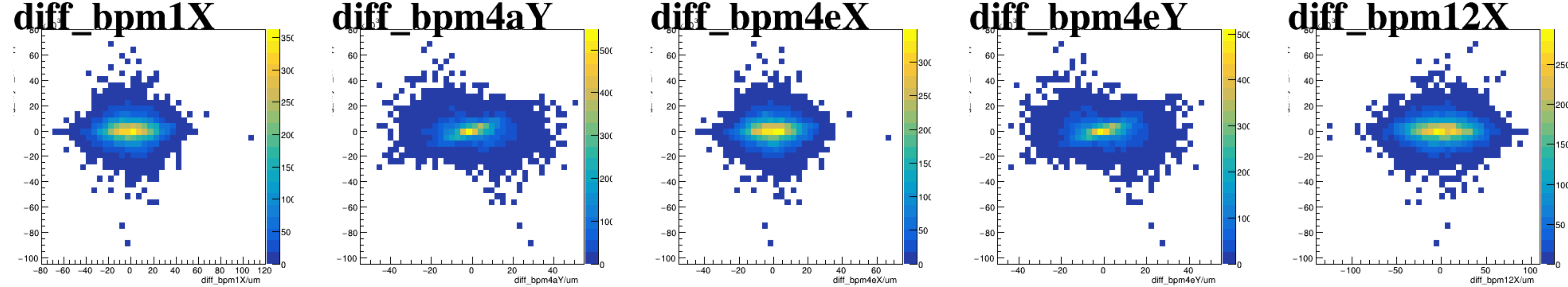
asym_sam5



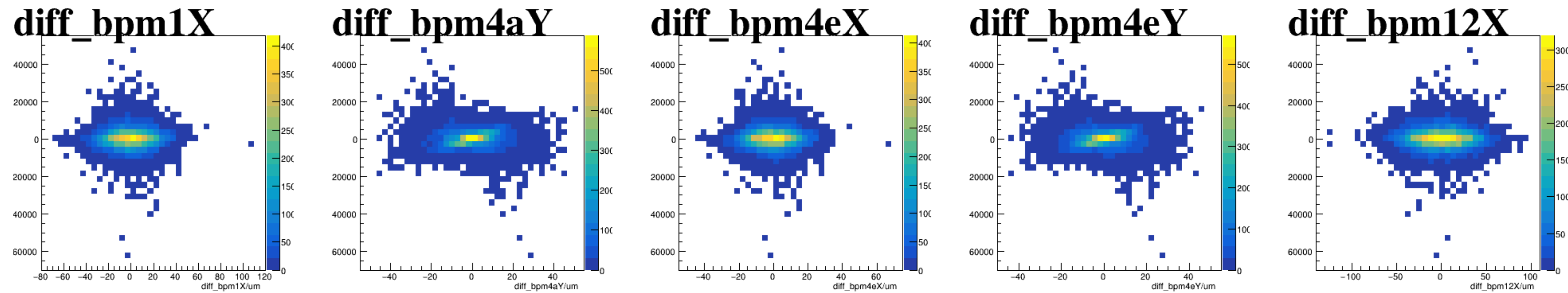
asym_sam7



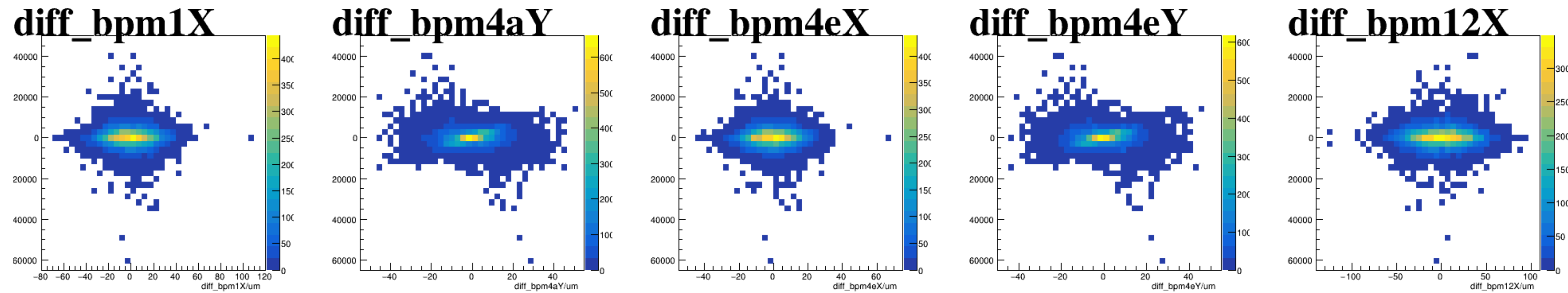
reg_asym_sam1



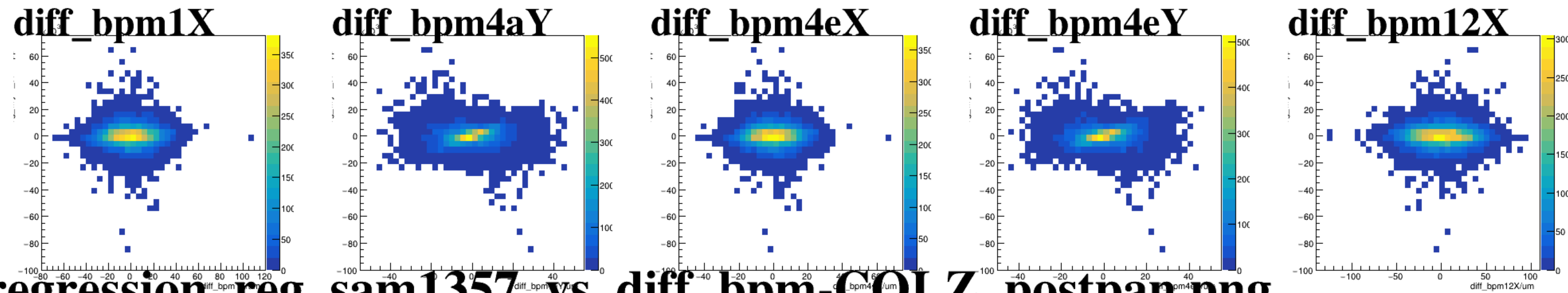
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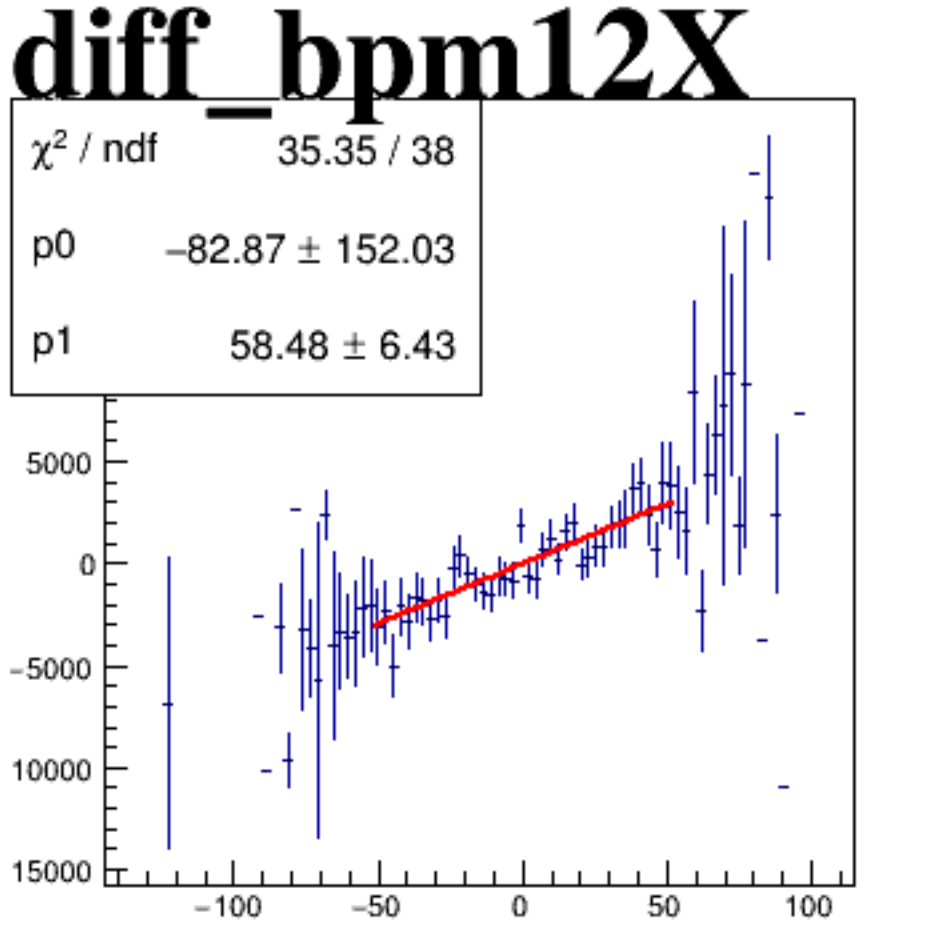
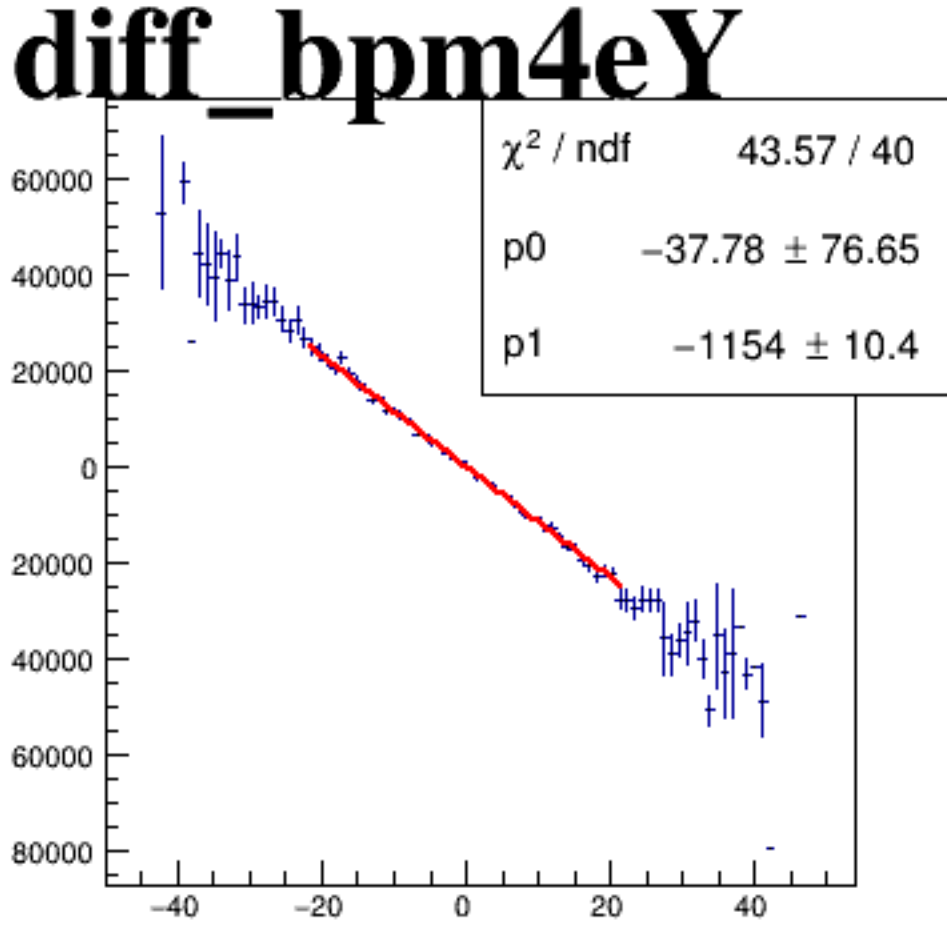
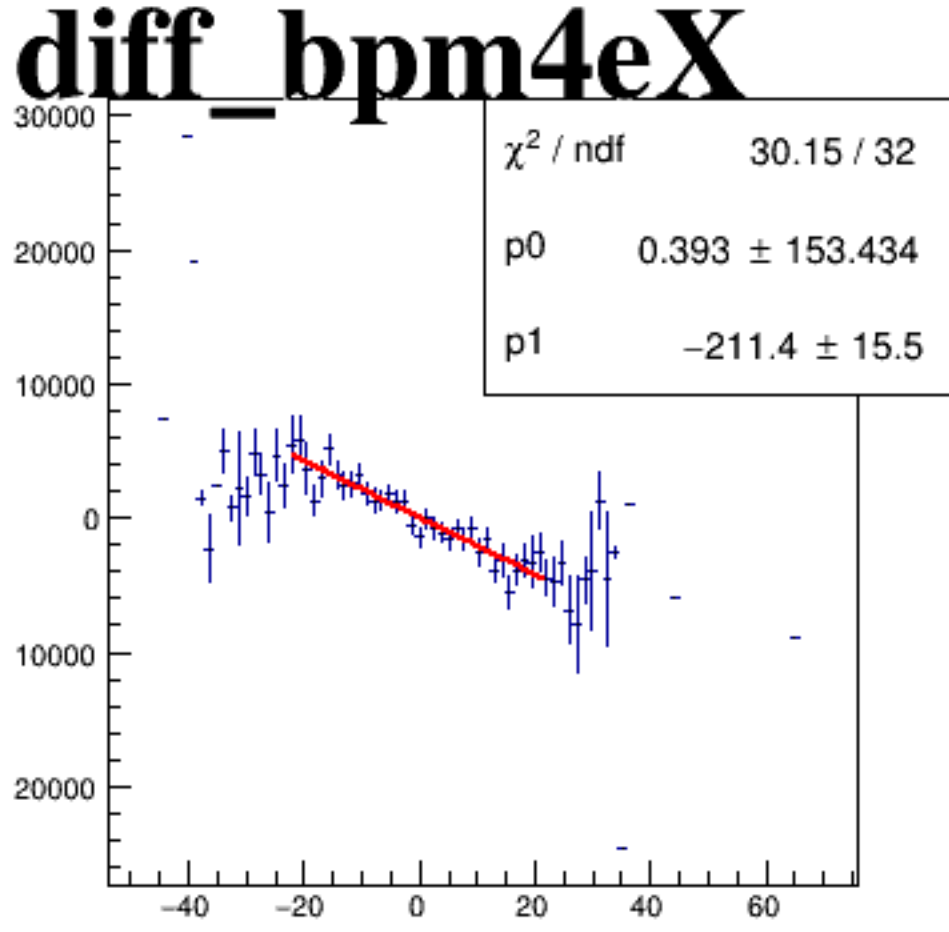
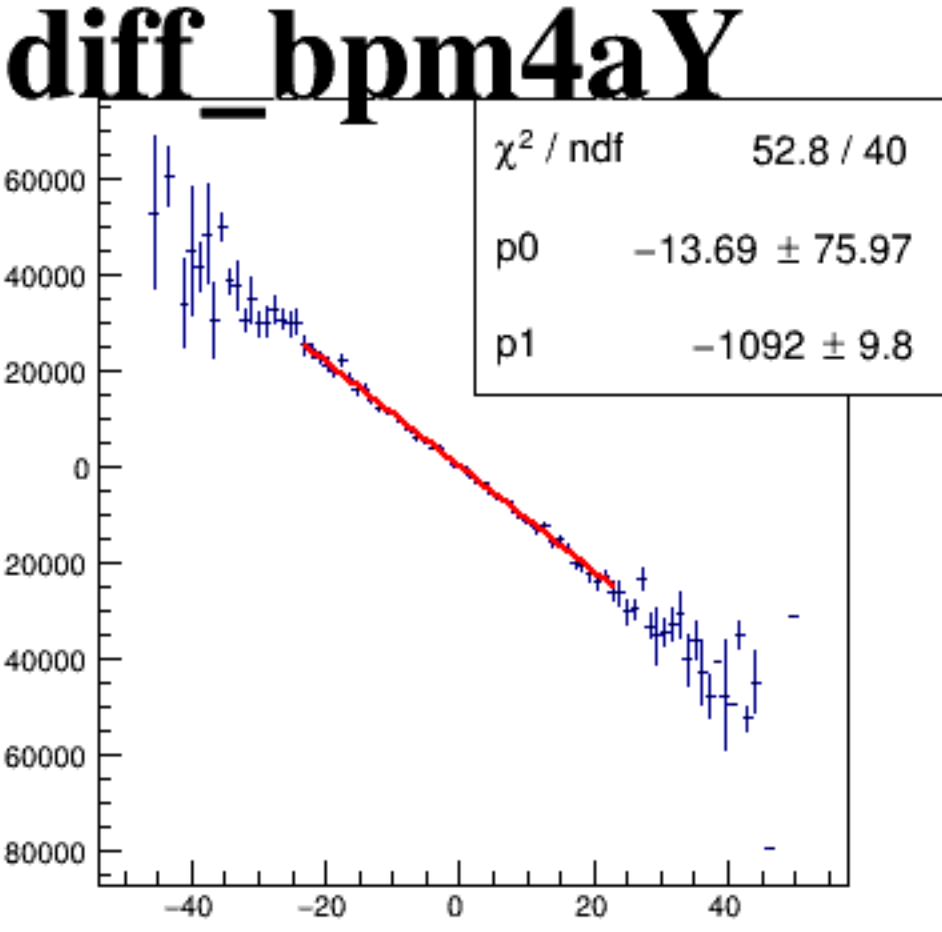
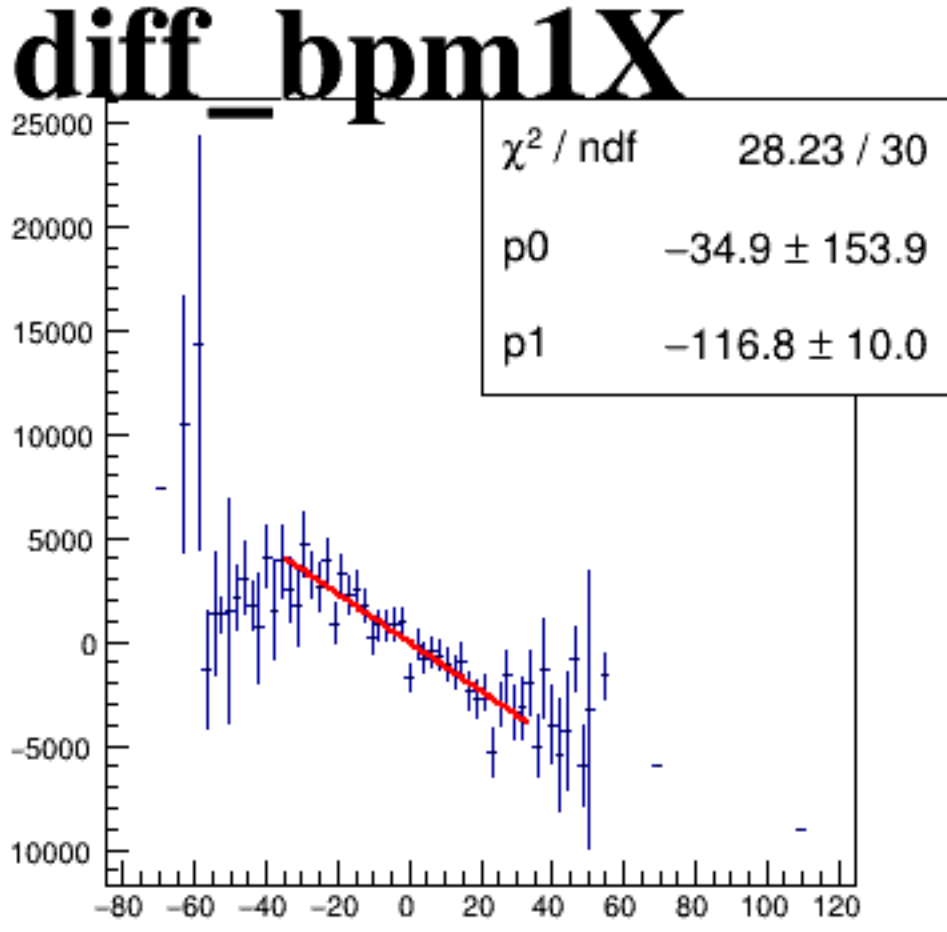
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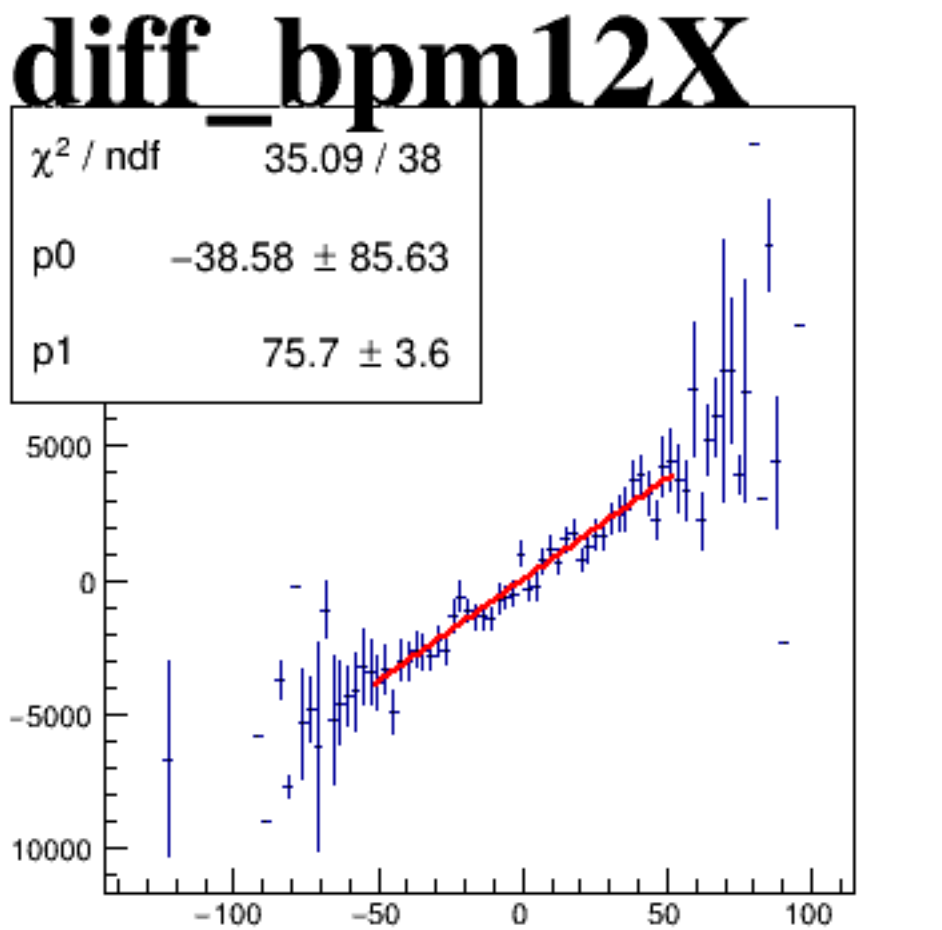
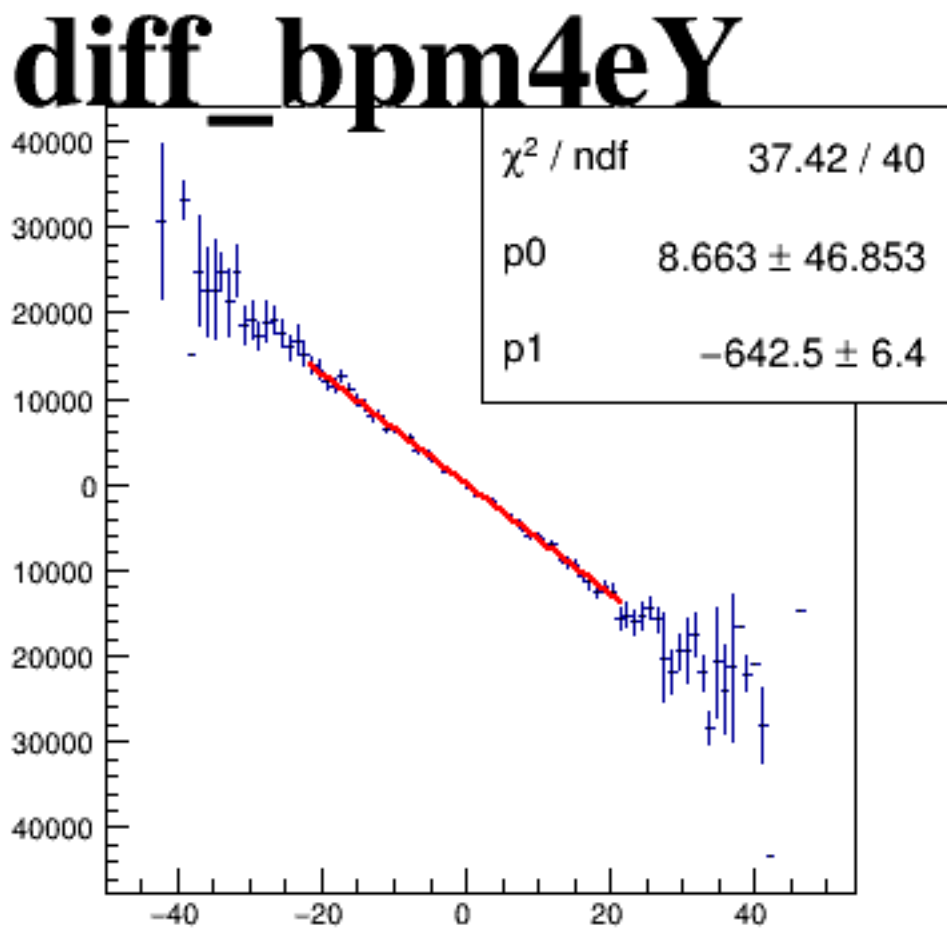
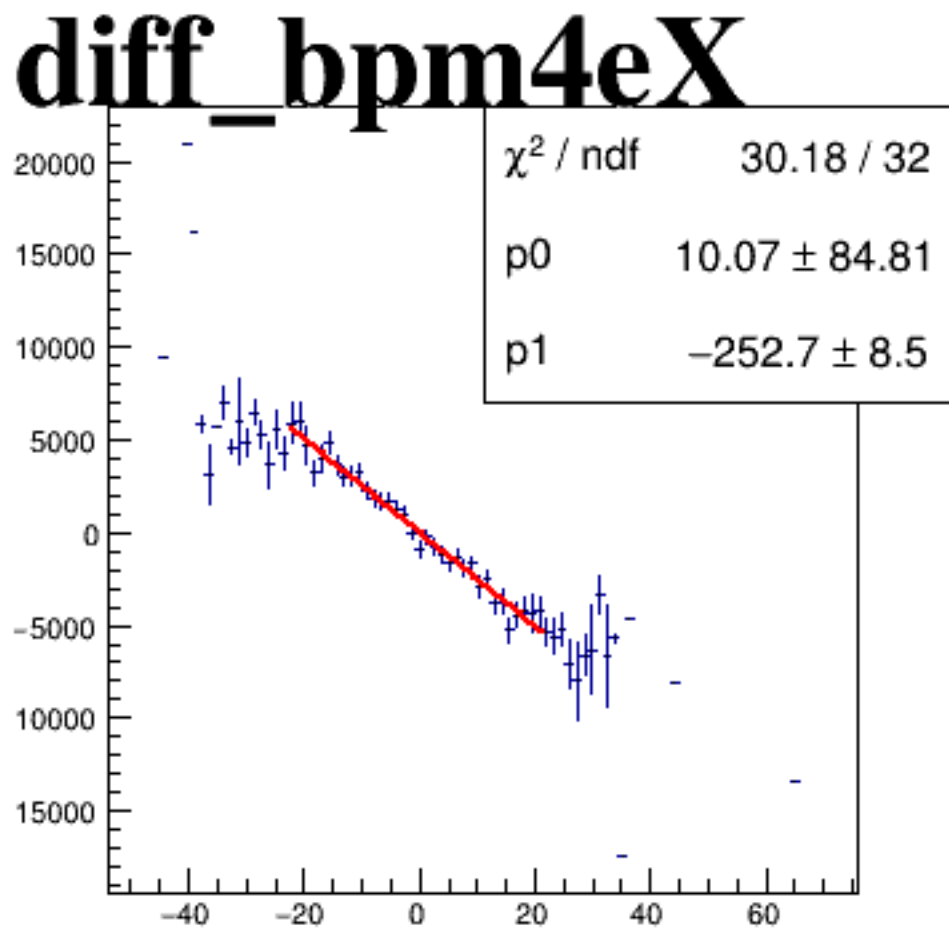
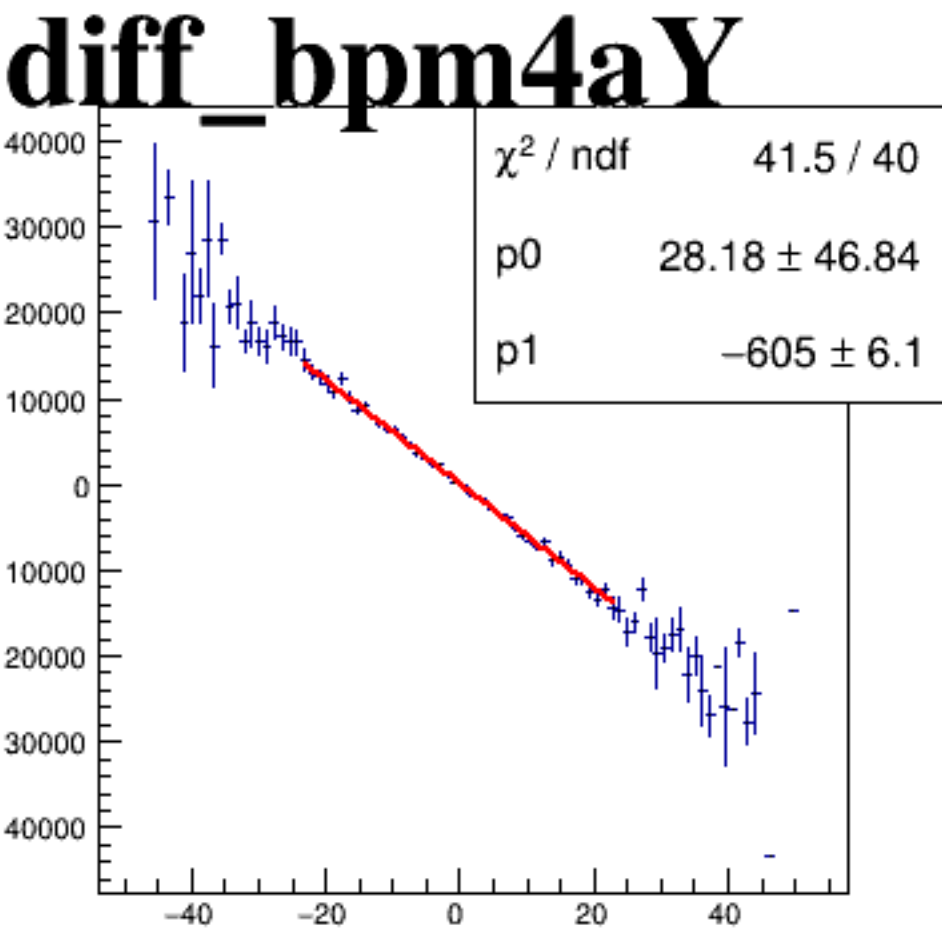
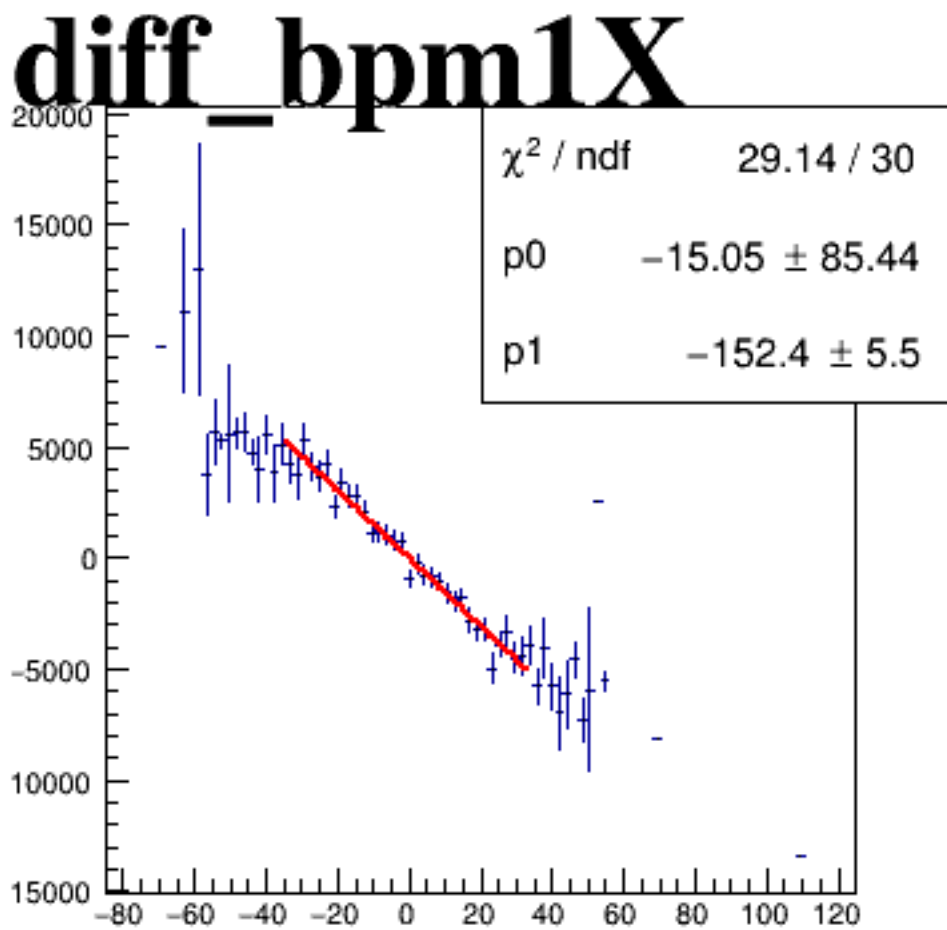
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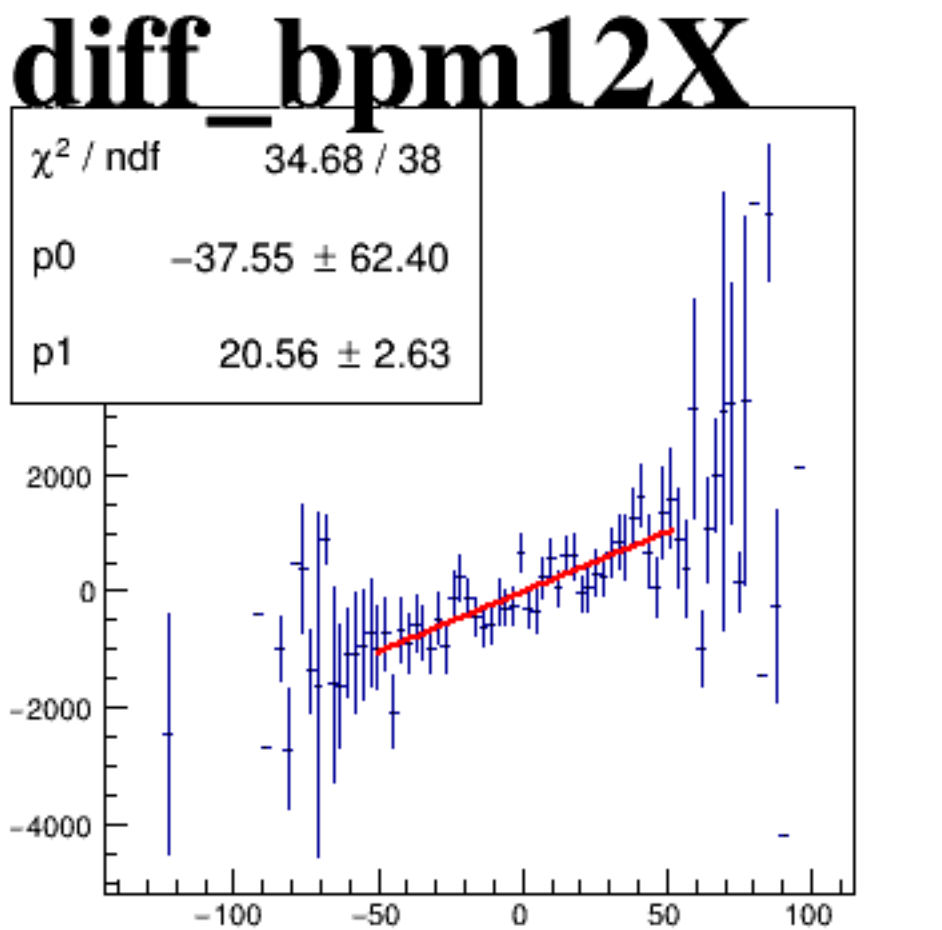
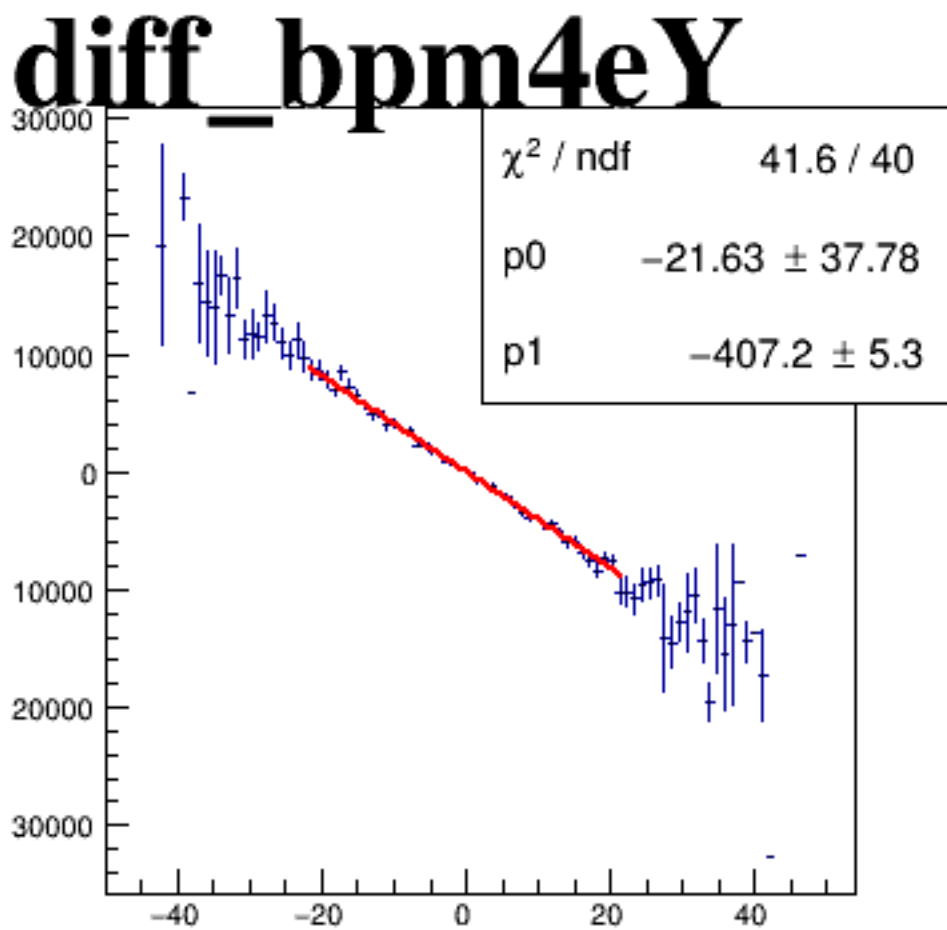
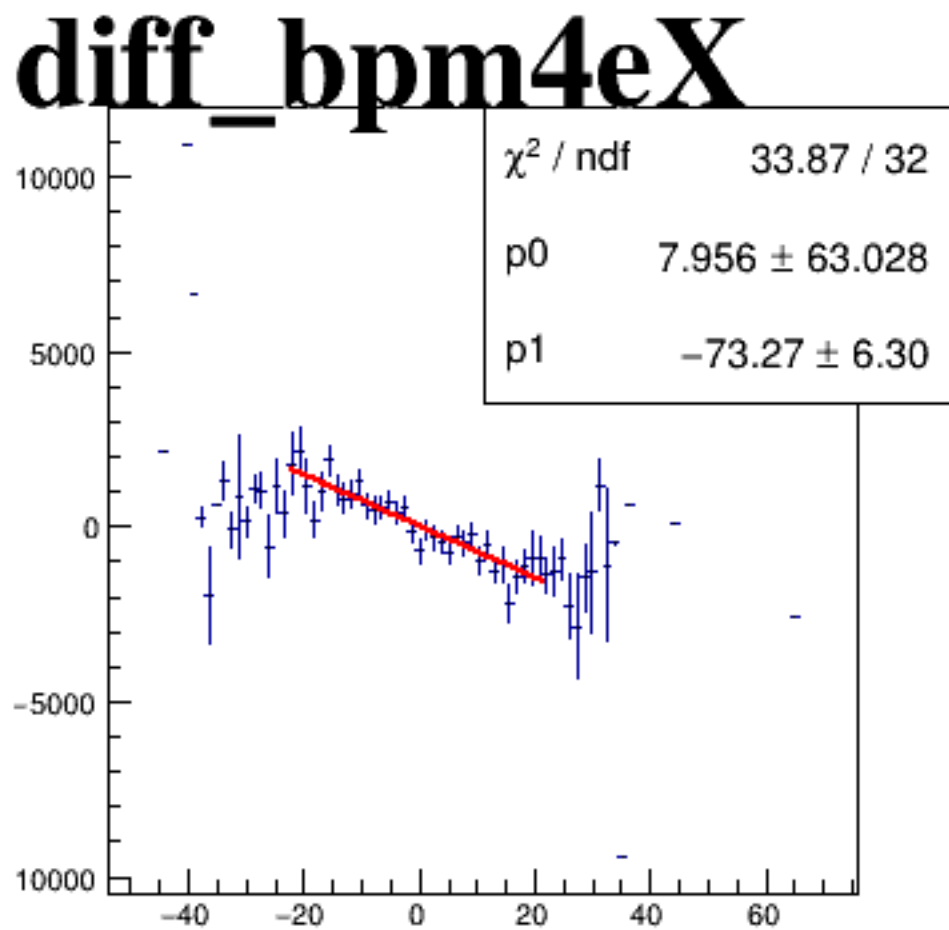
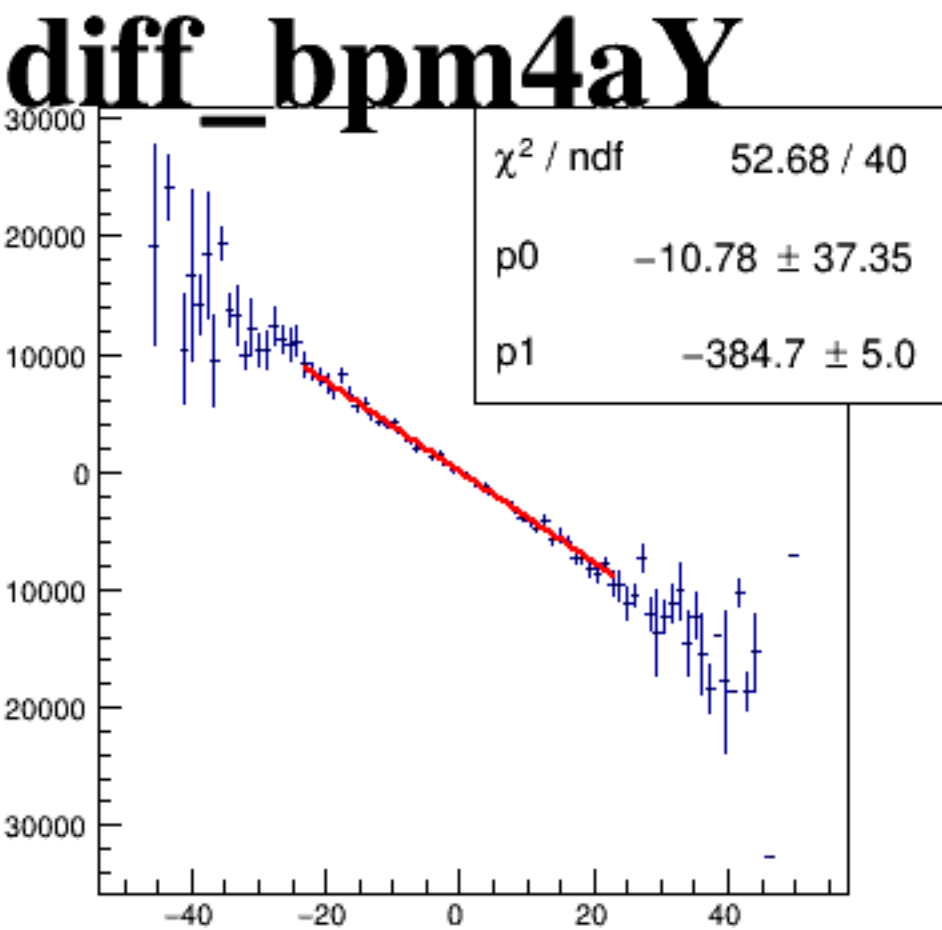
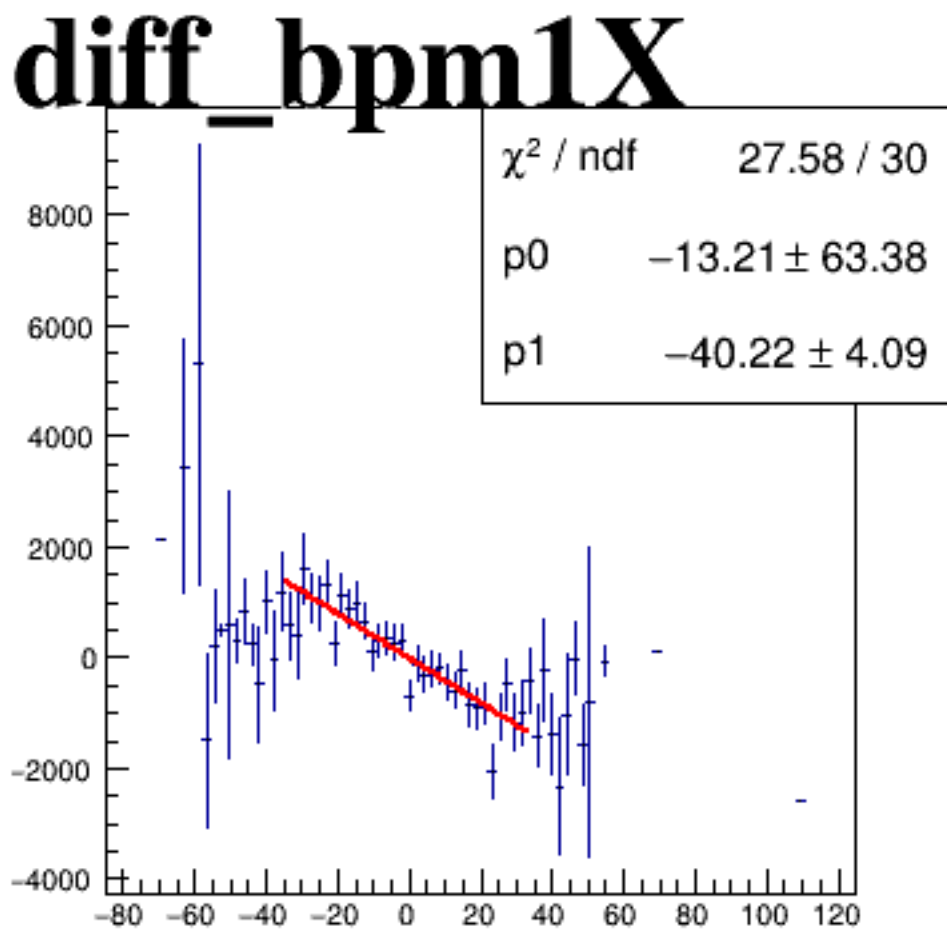
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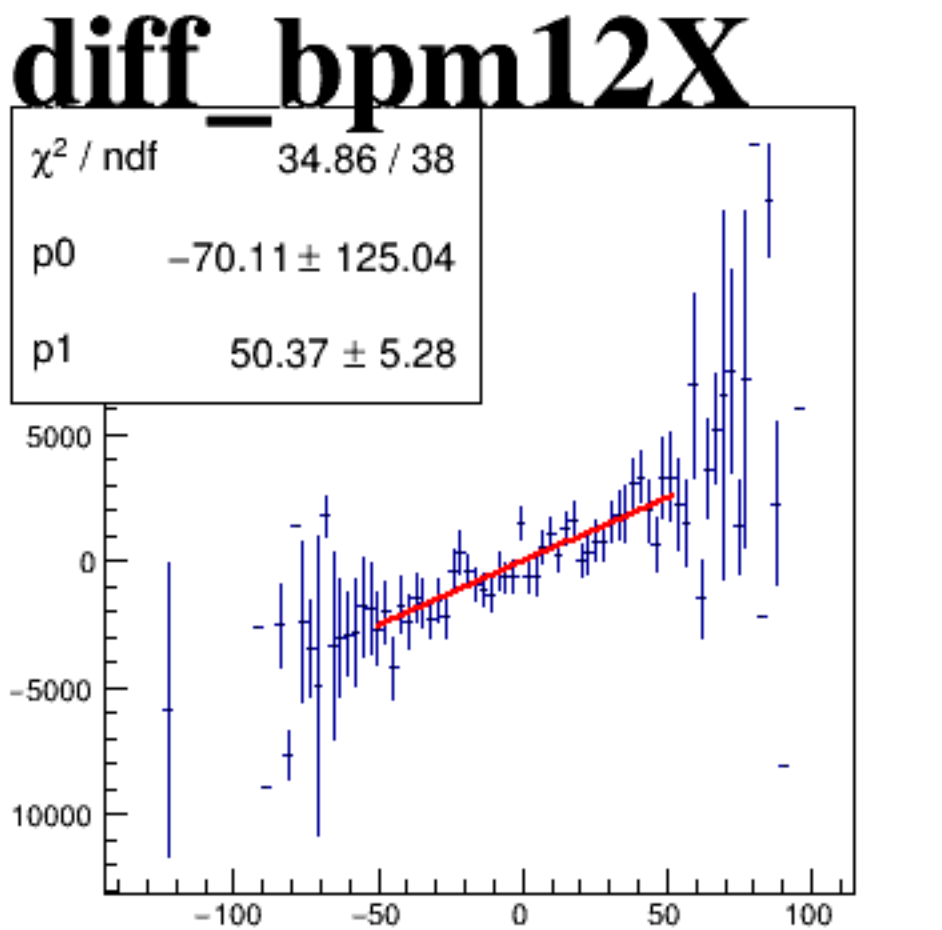
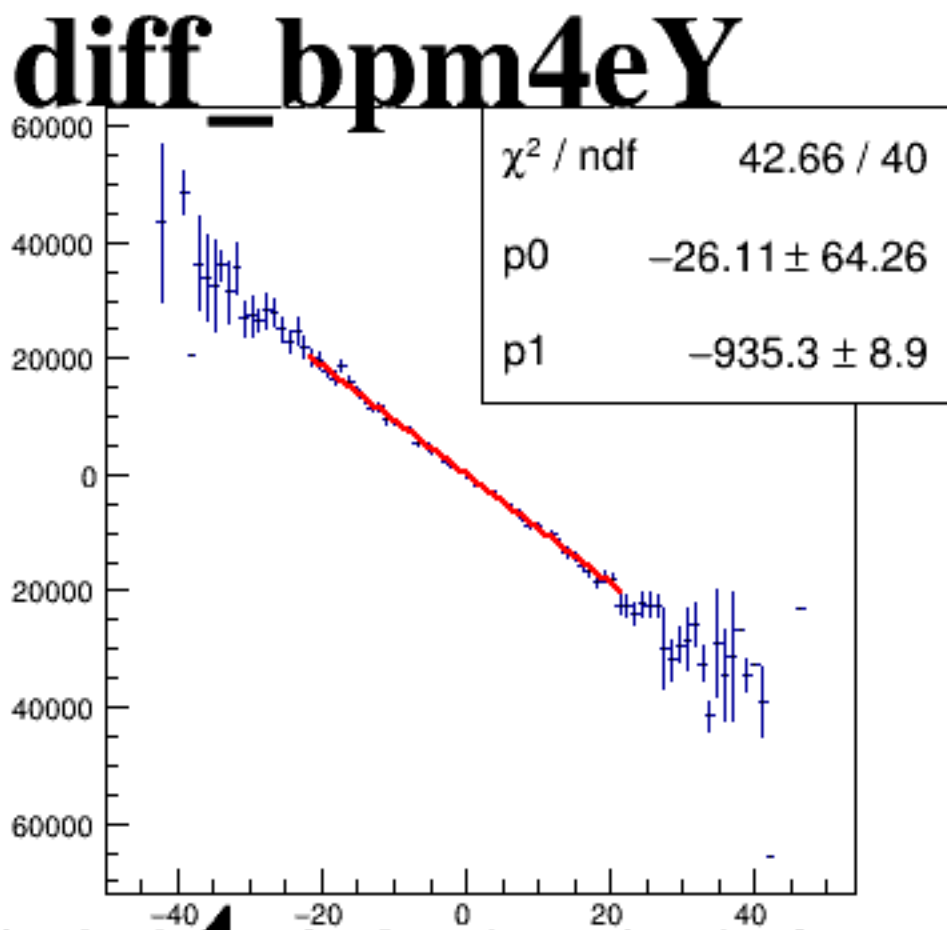
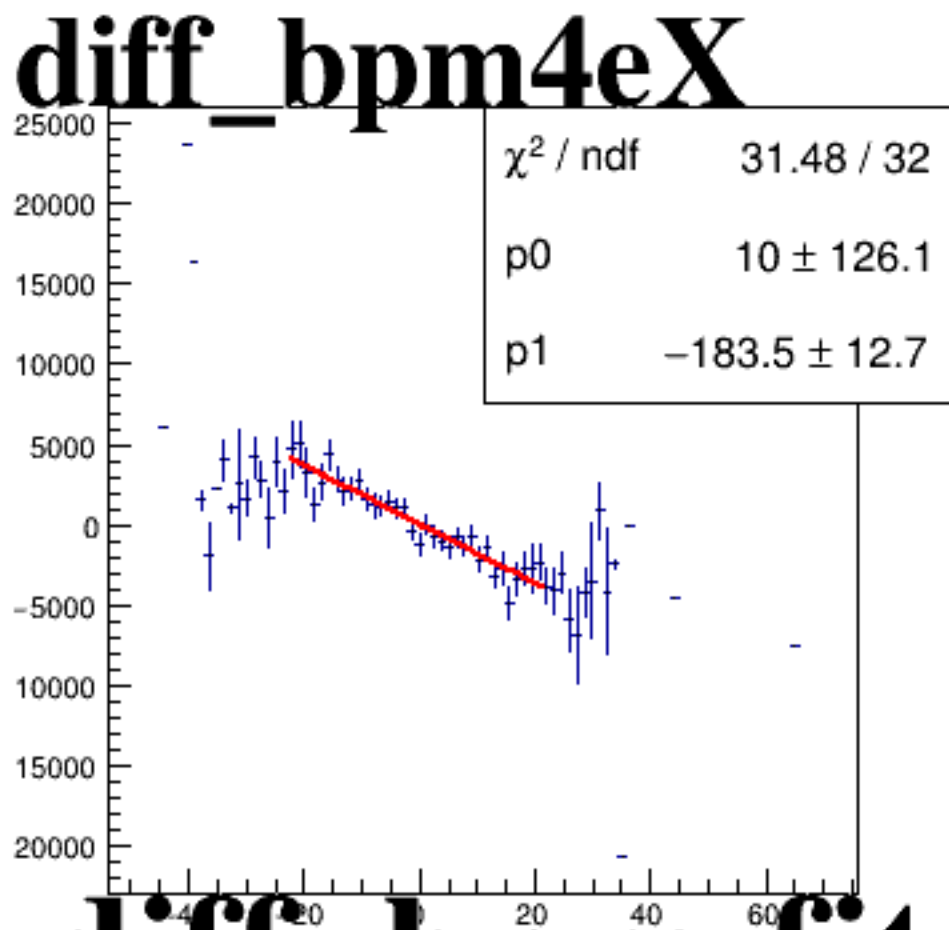
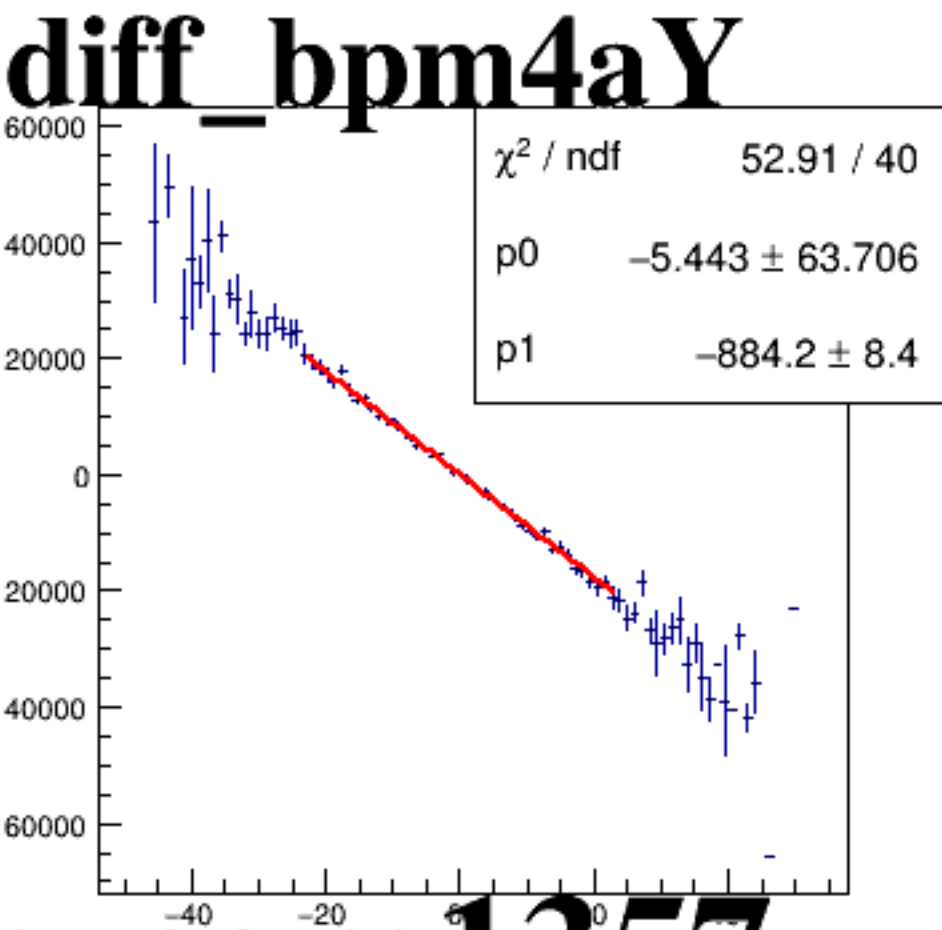
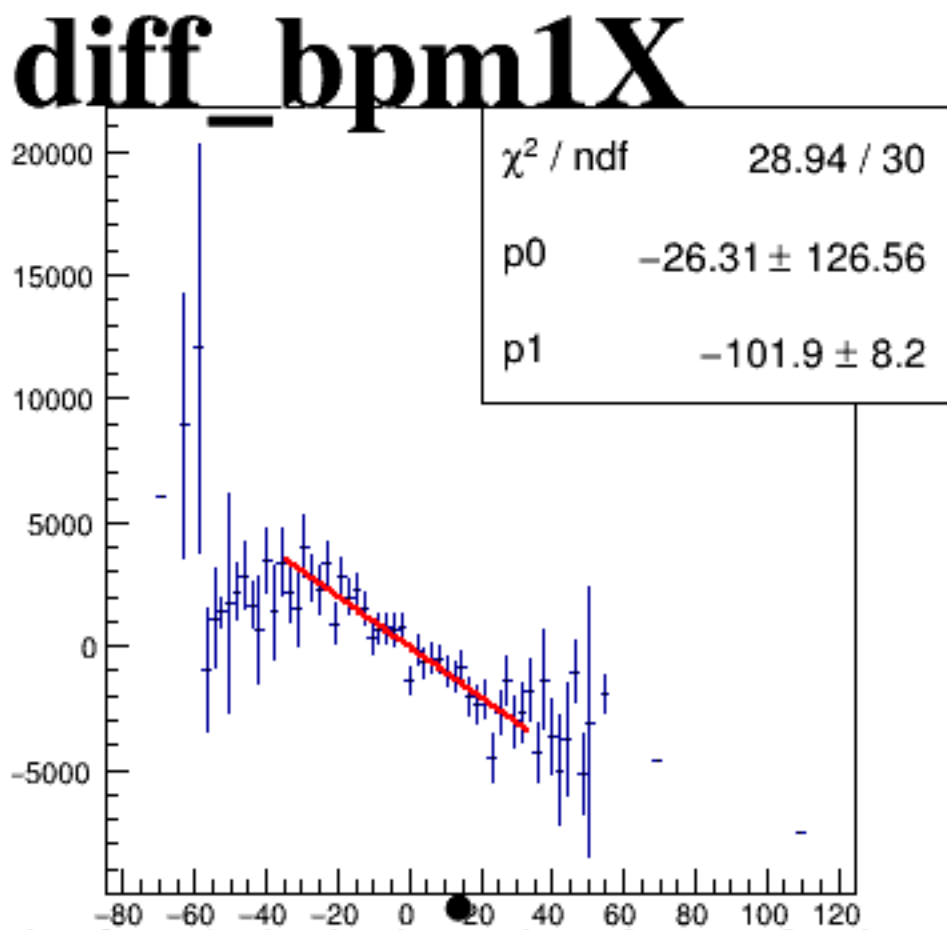
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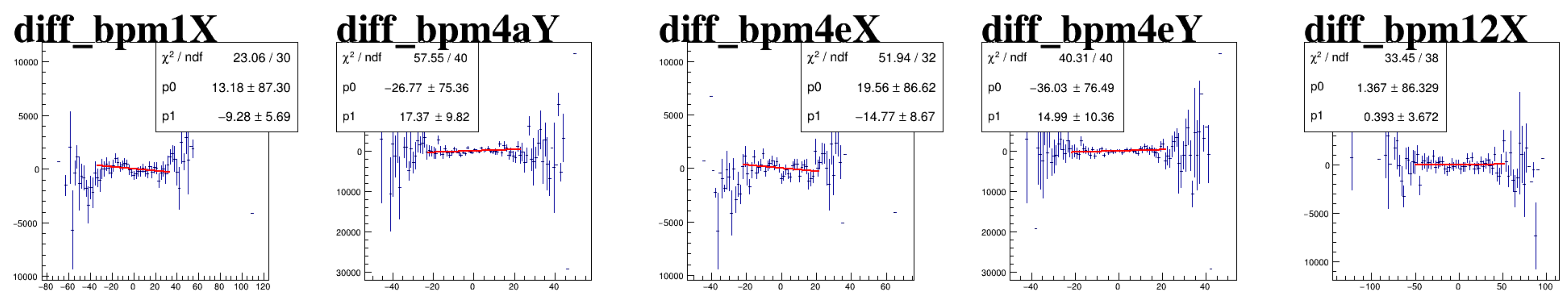
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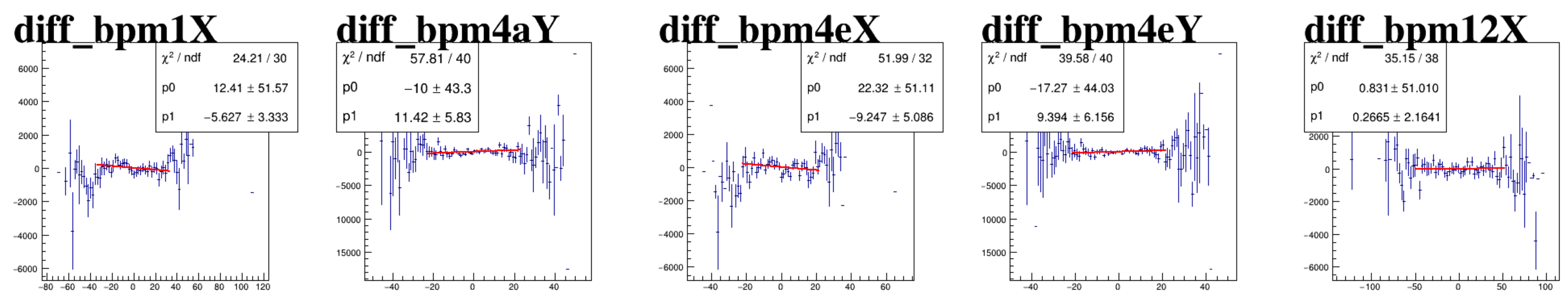
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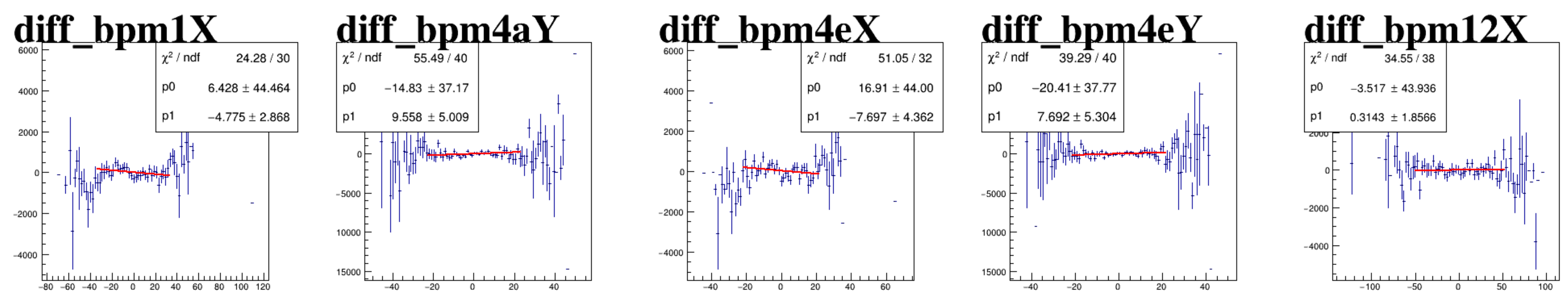
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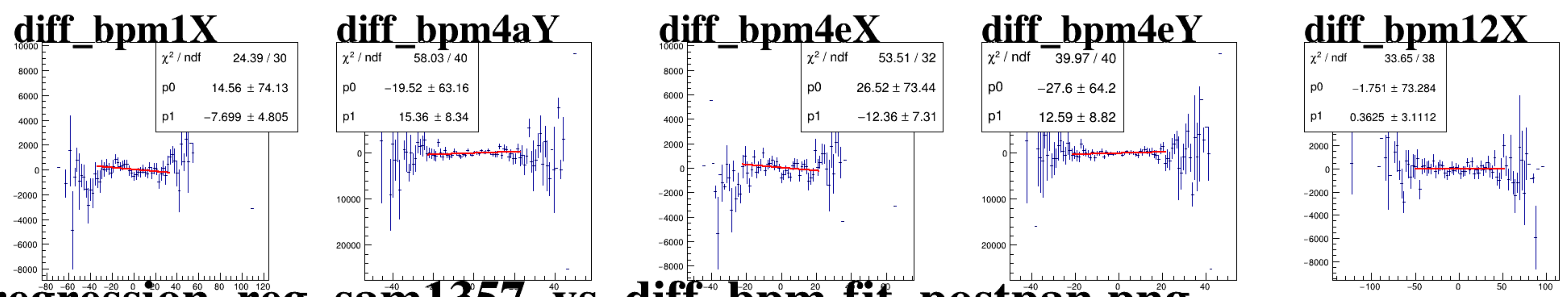
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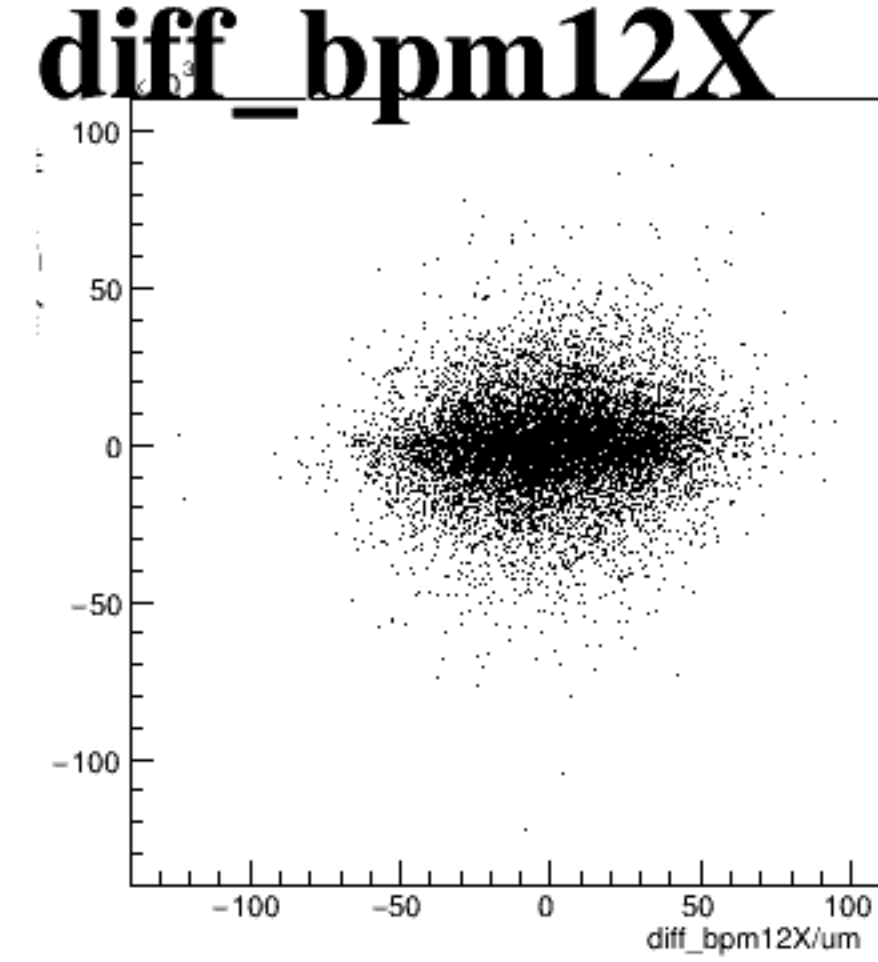
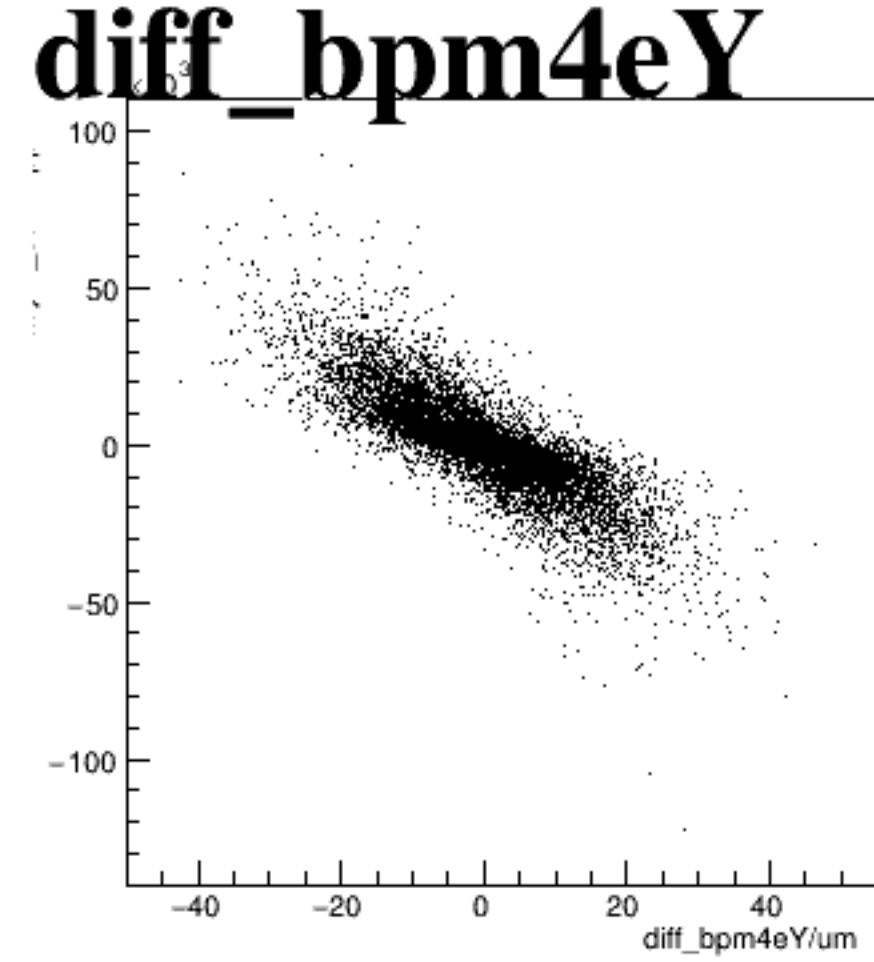
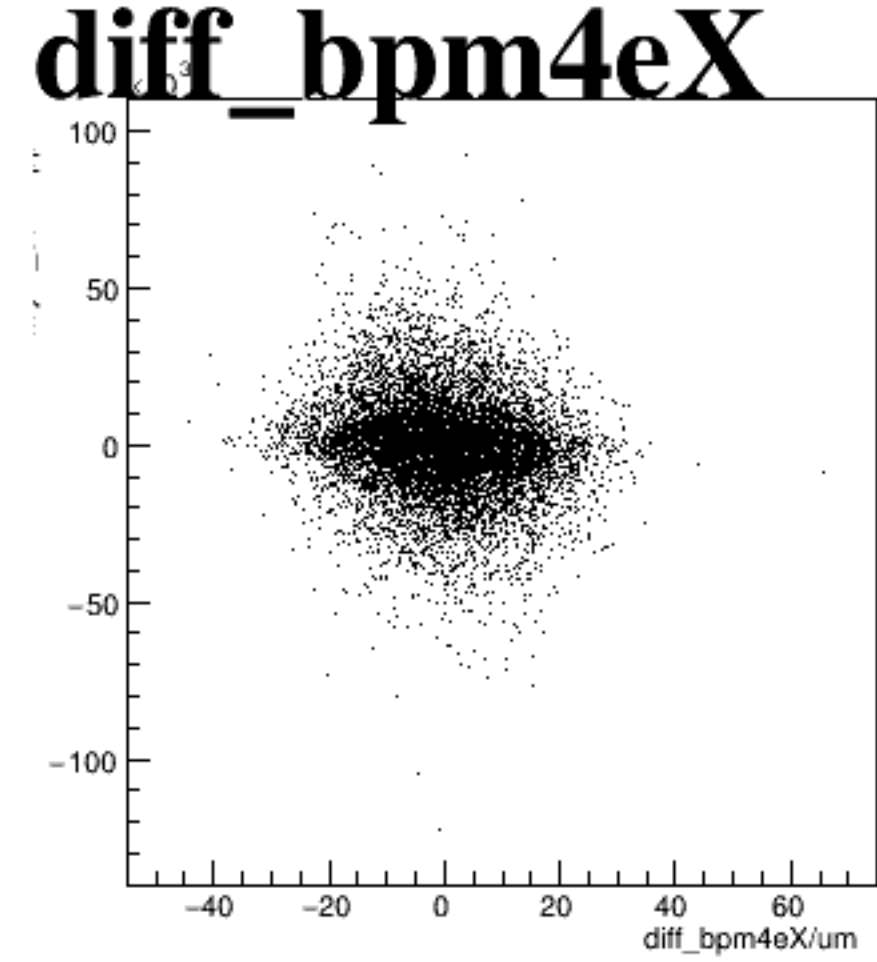
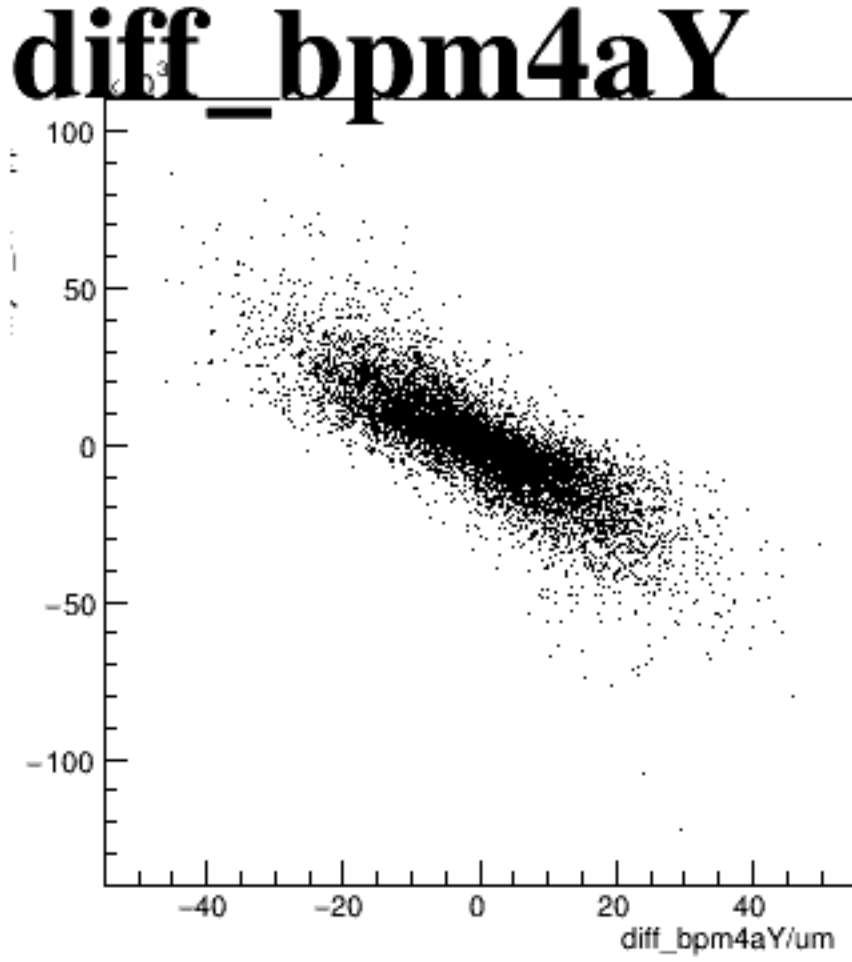
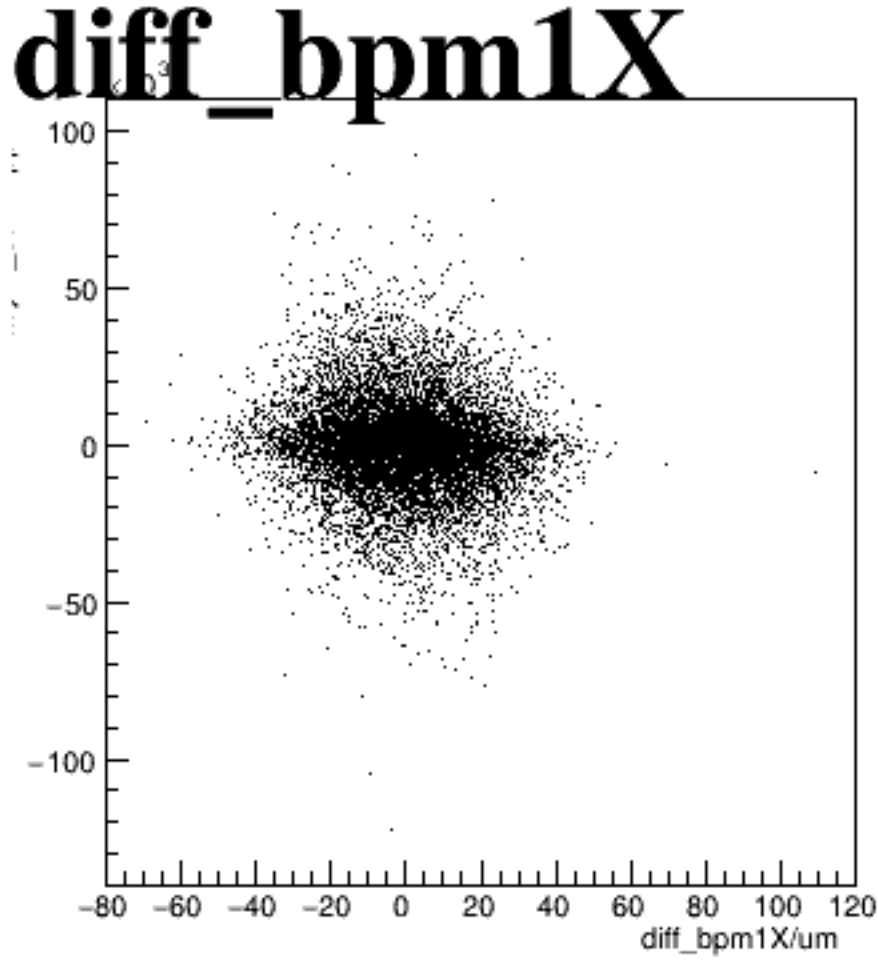
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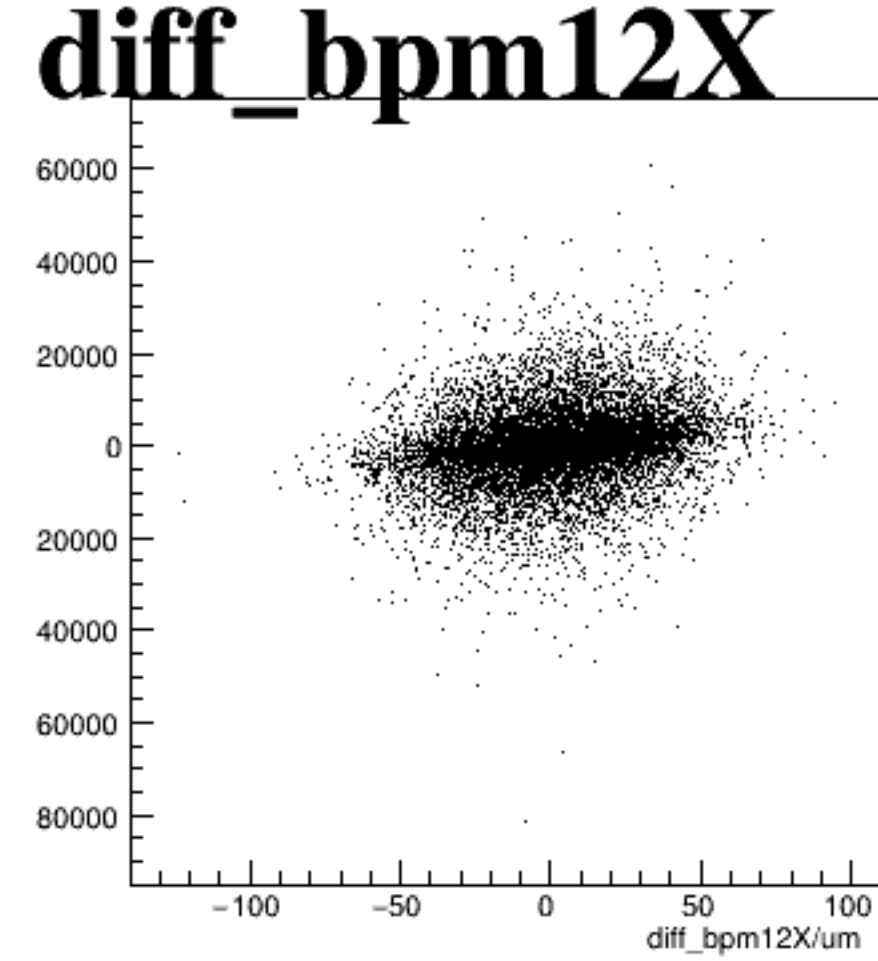
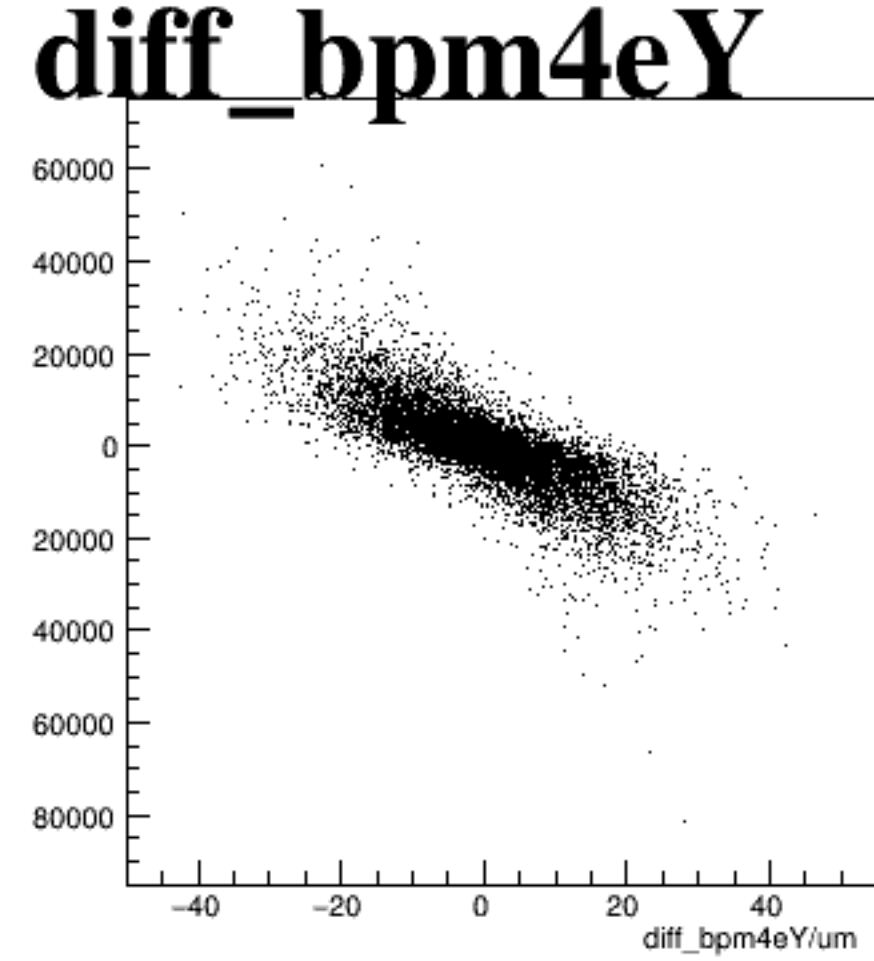
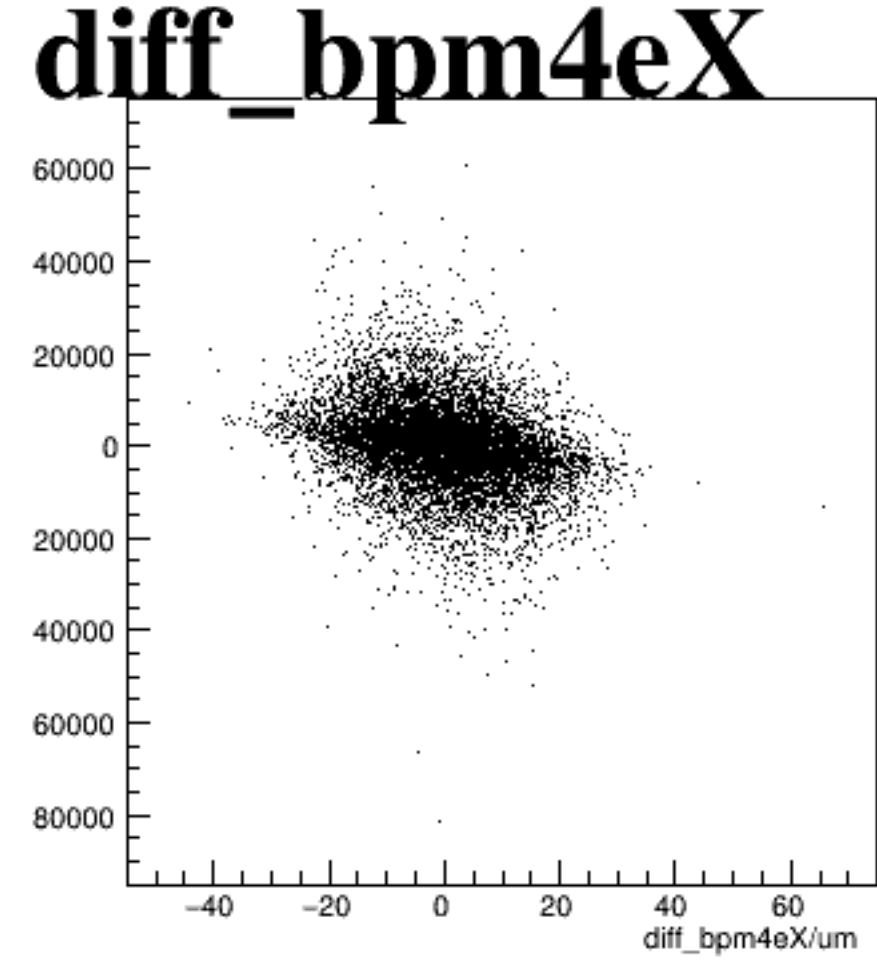
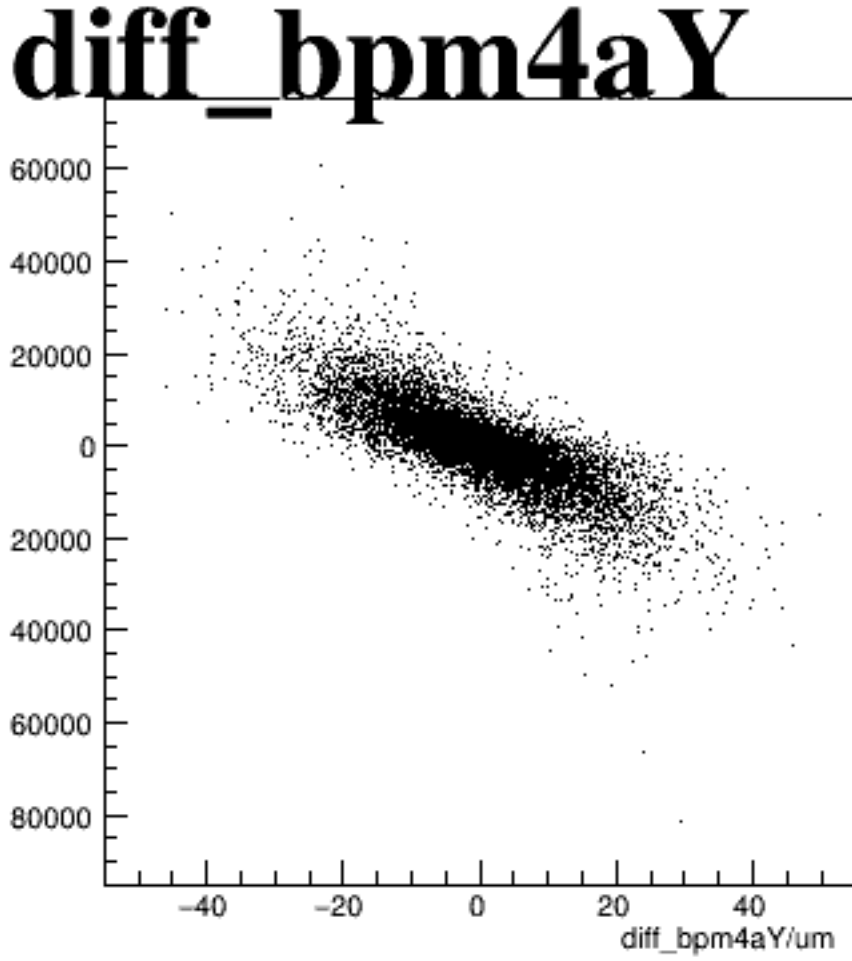
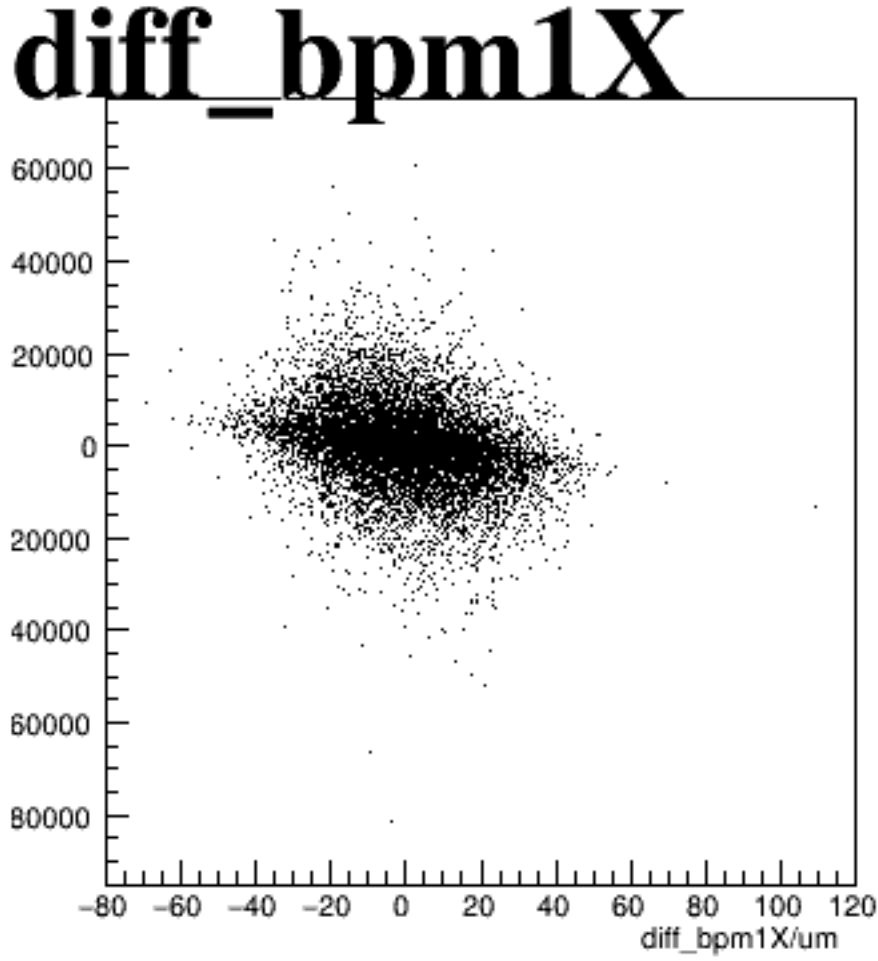
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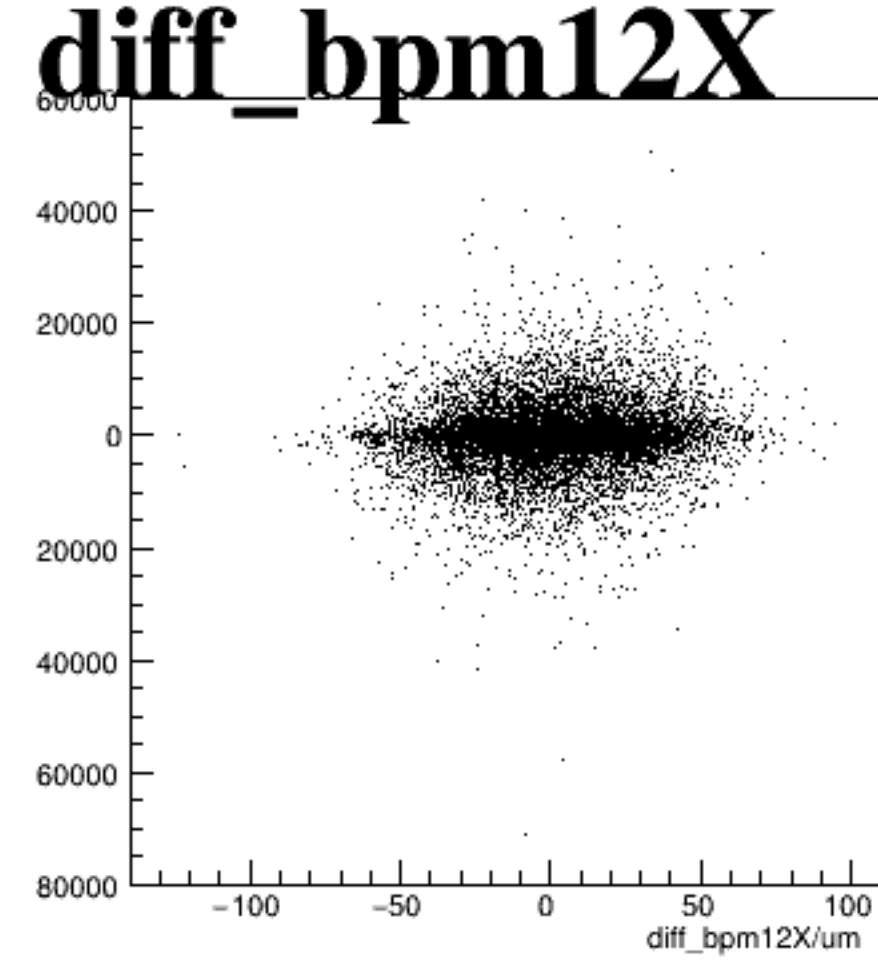
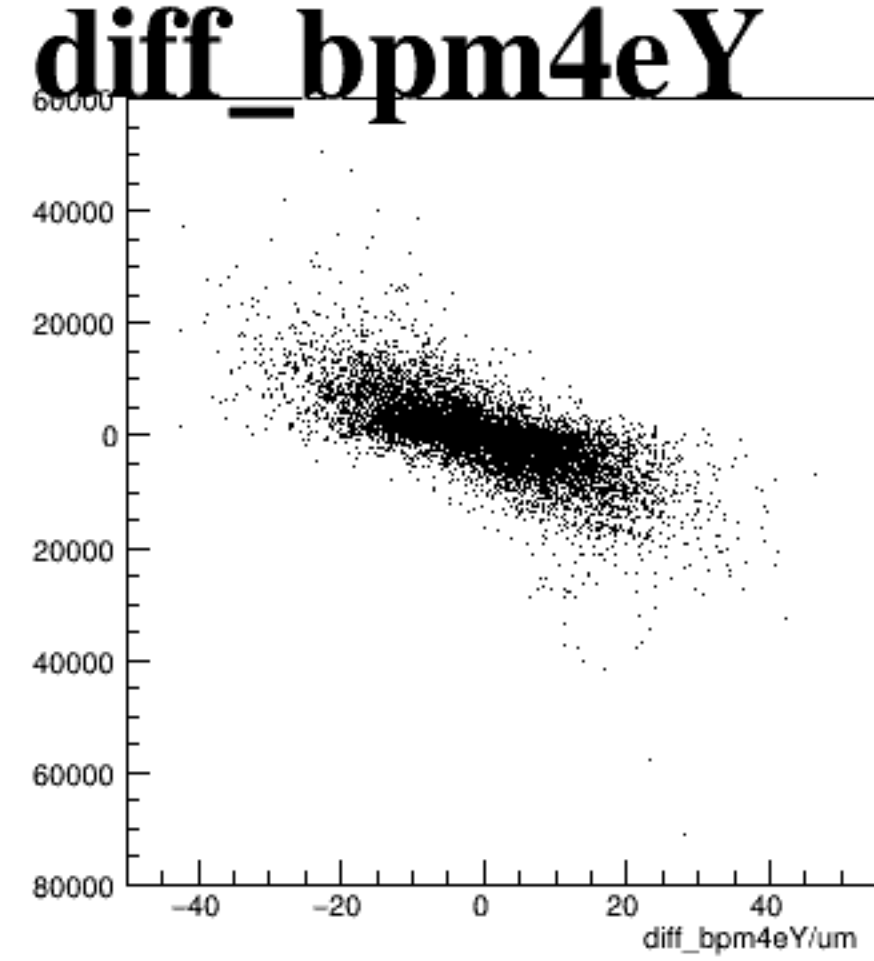
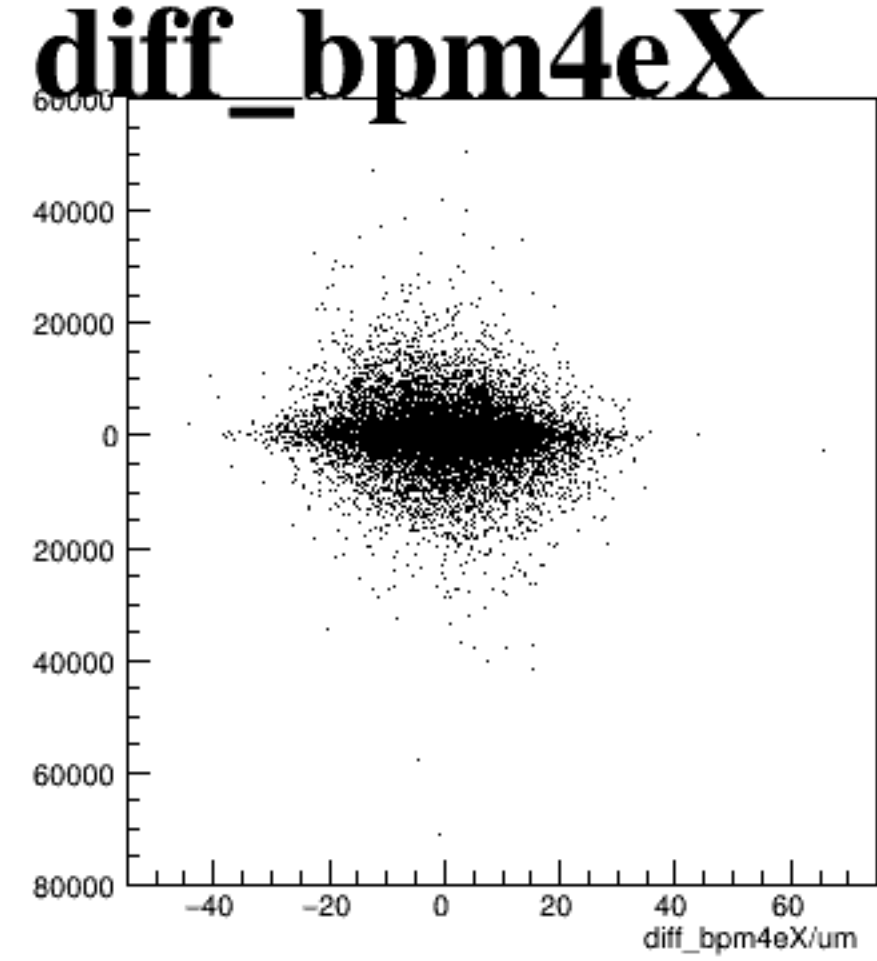
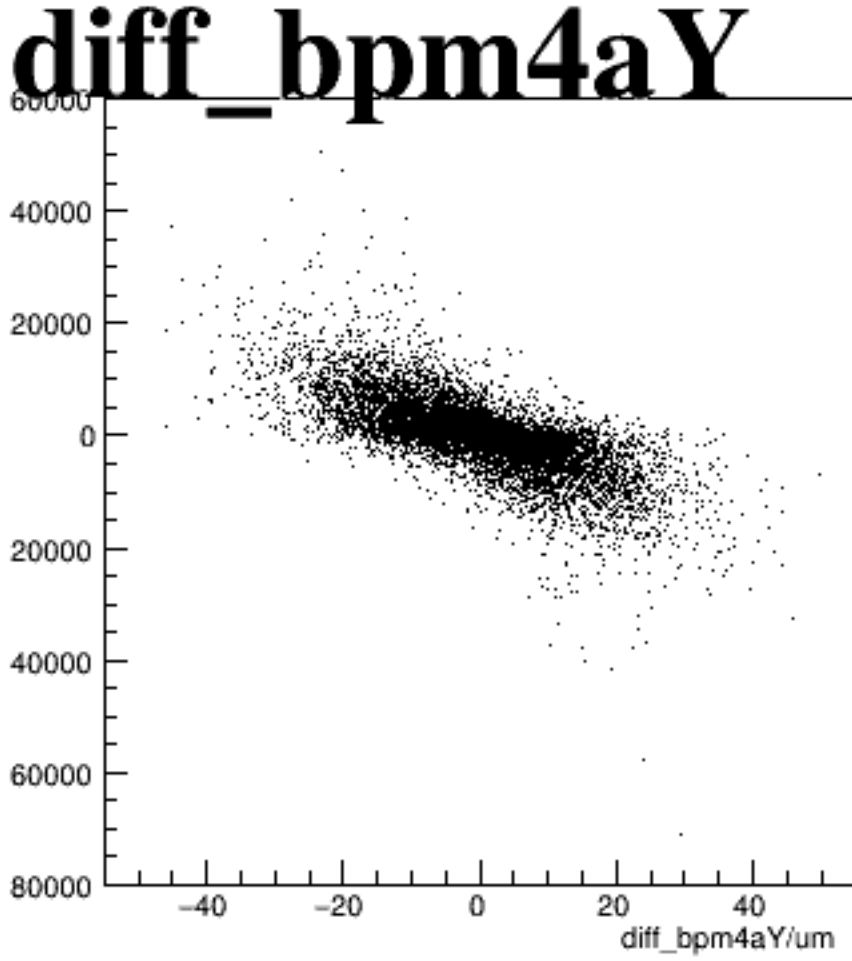
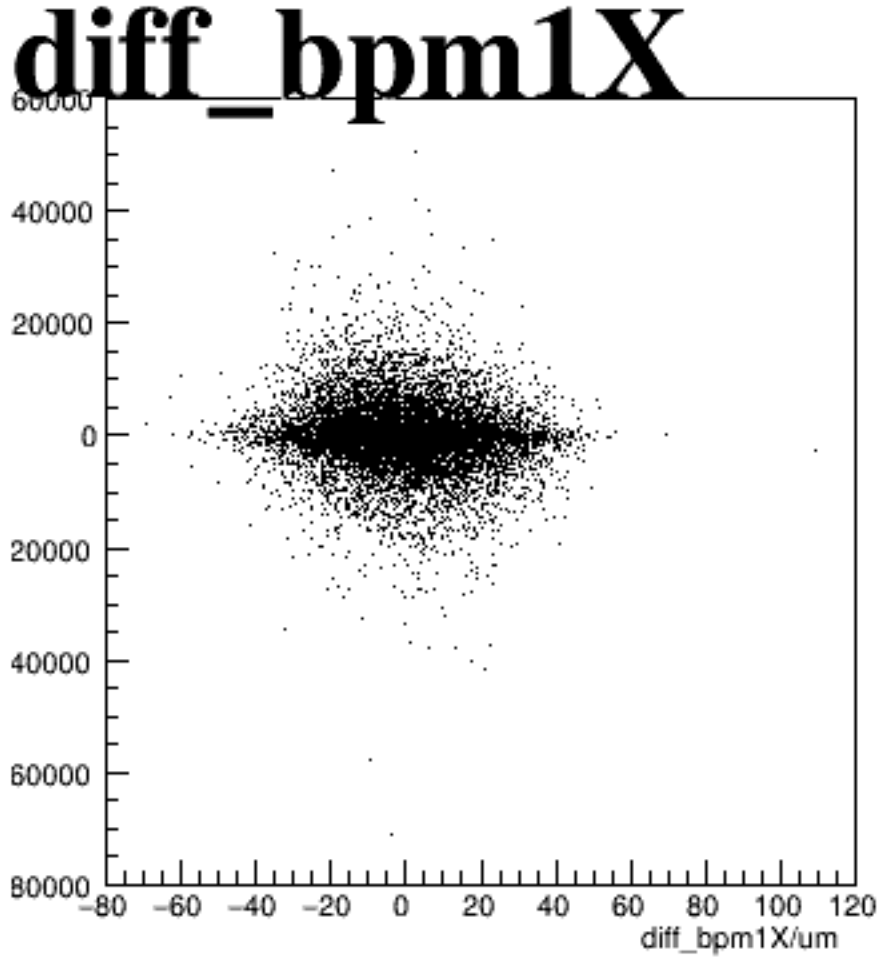
asym_sam1



asym_sam3



asym_sam5



asym_sam7

