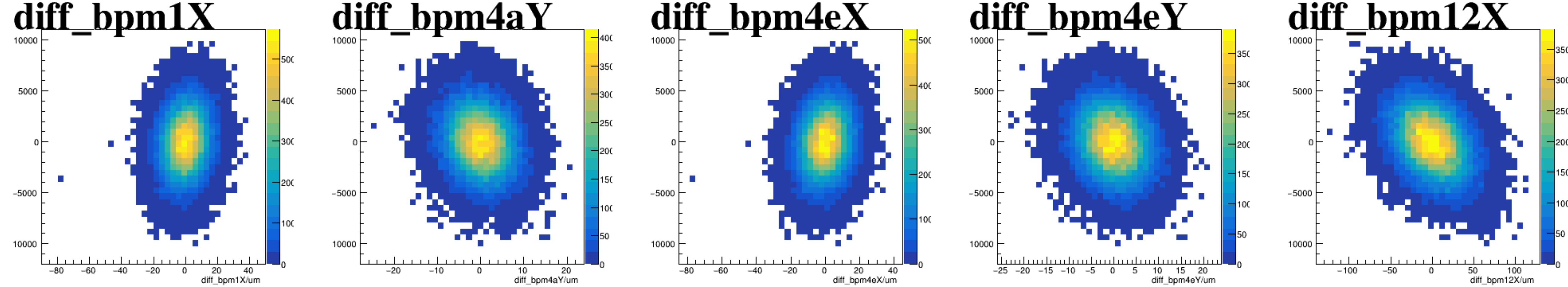
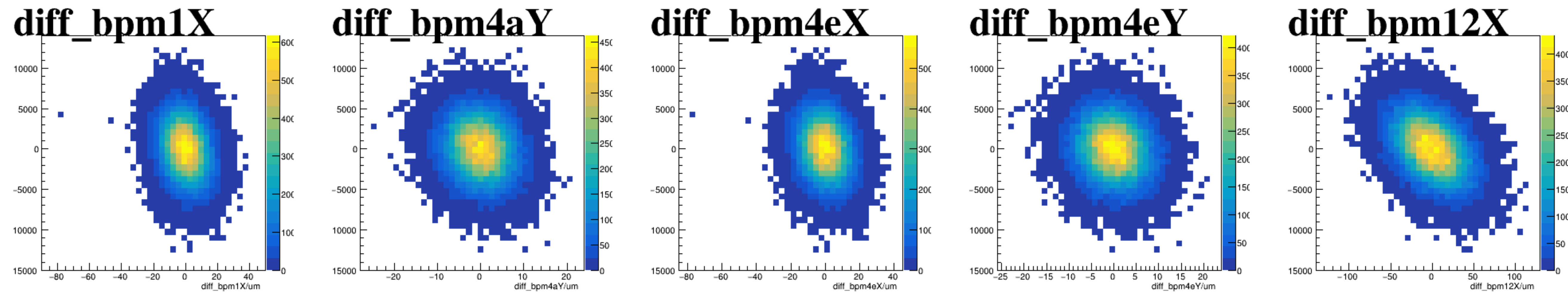


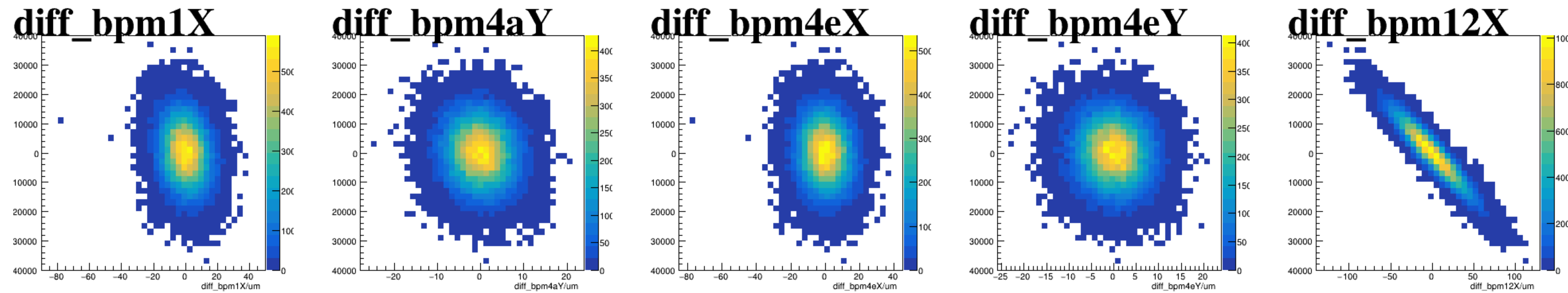
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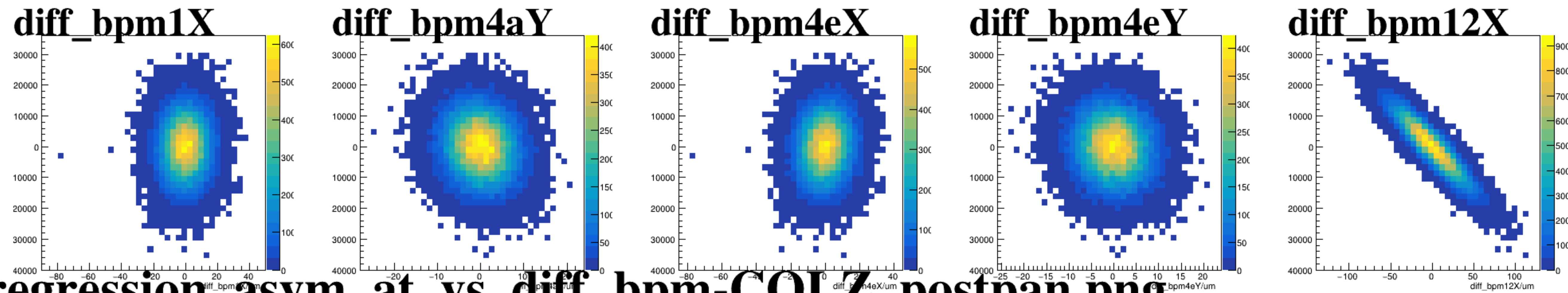
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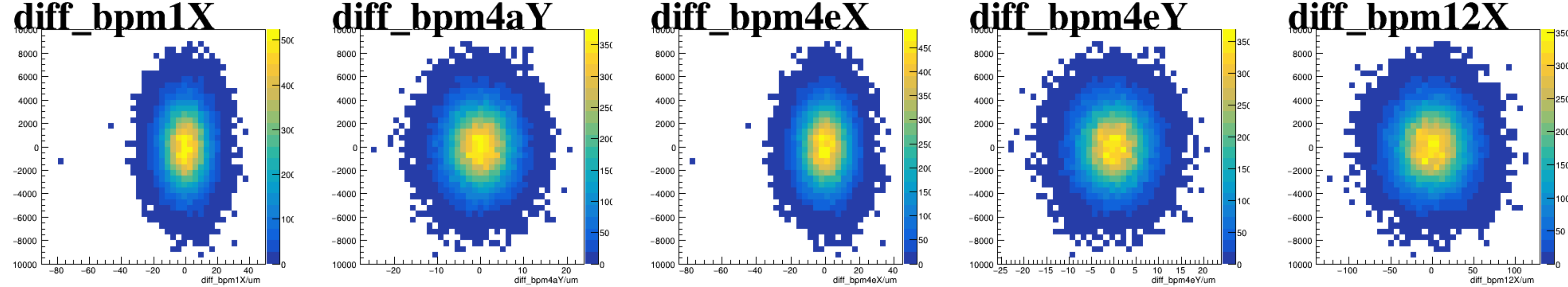
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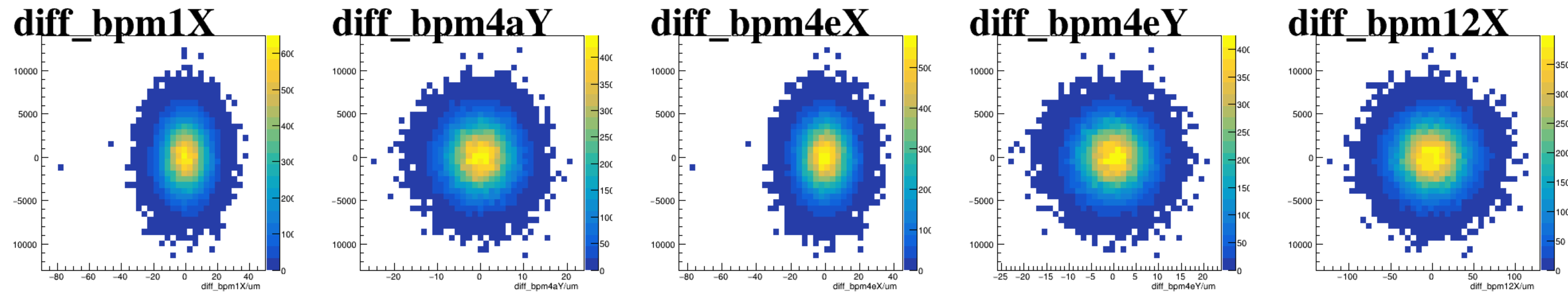
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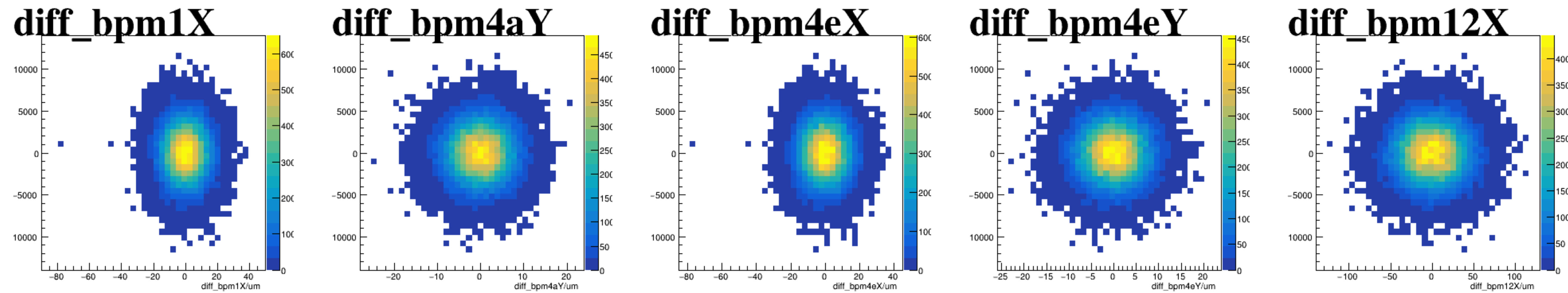
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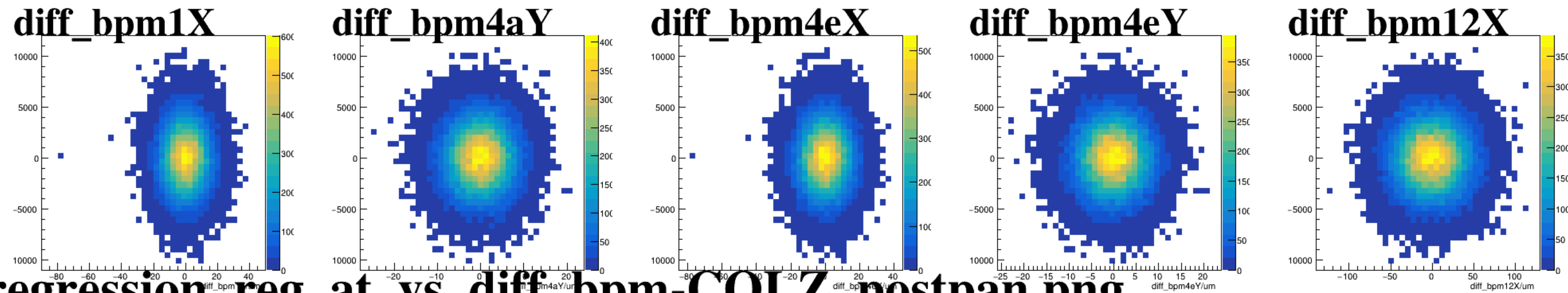
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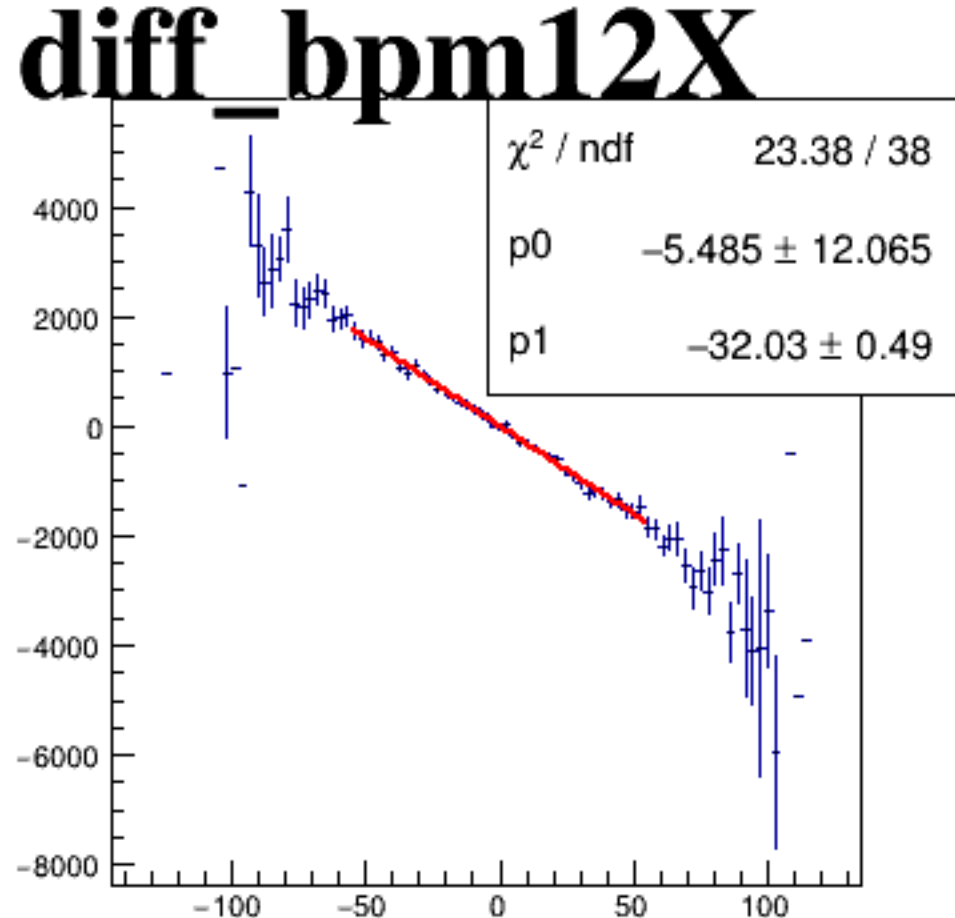
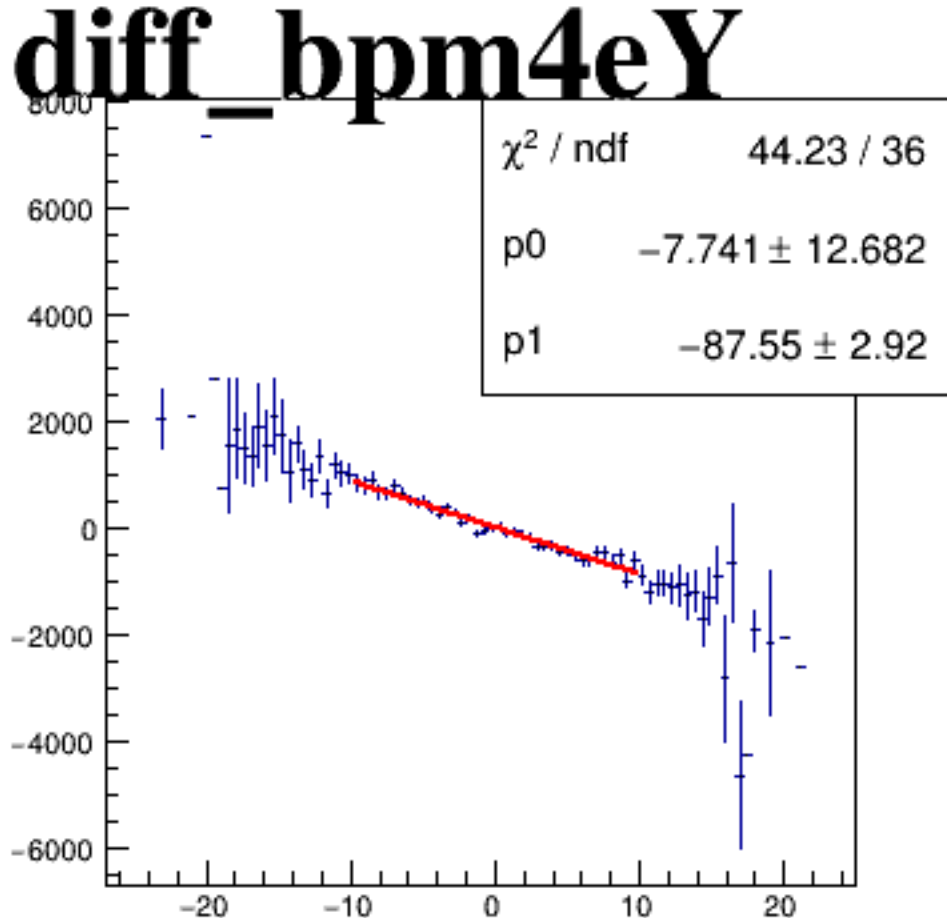
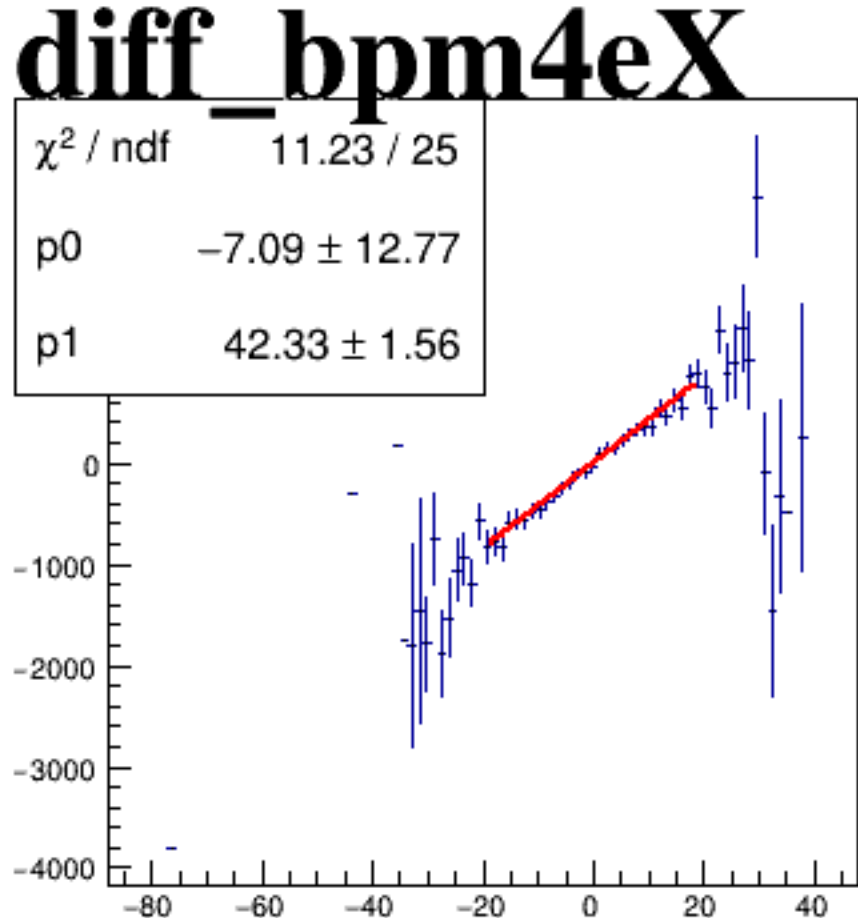
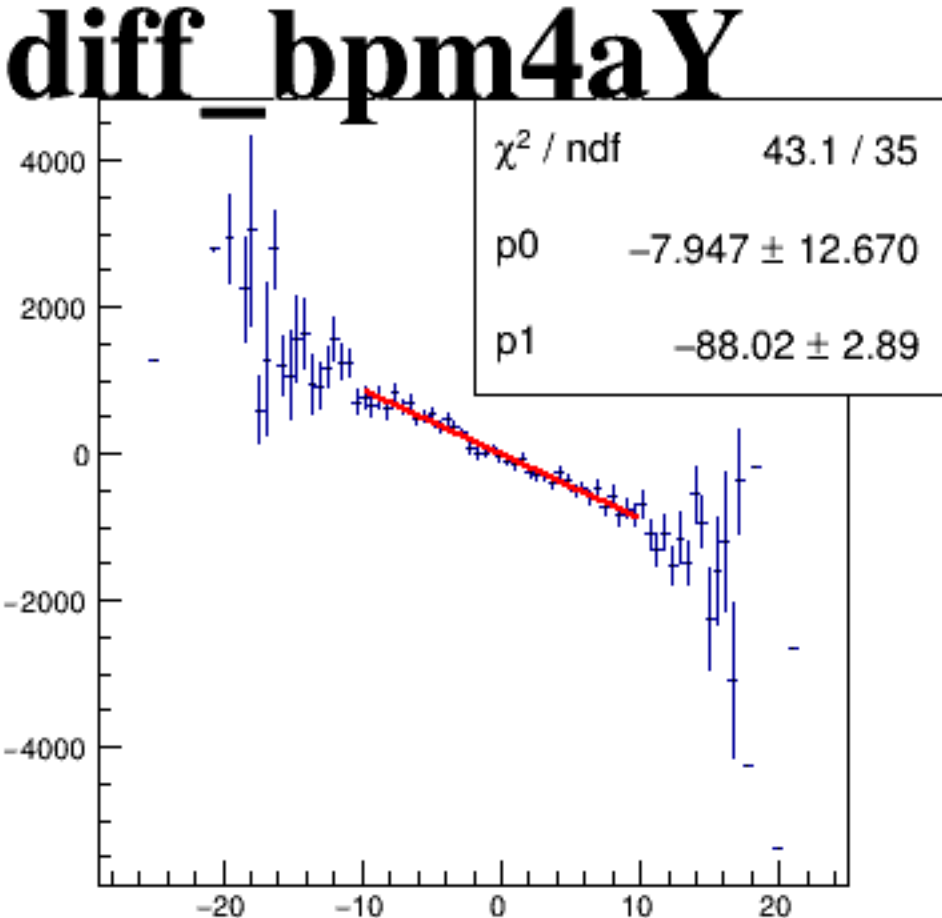
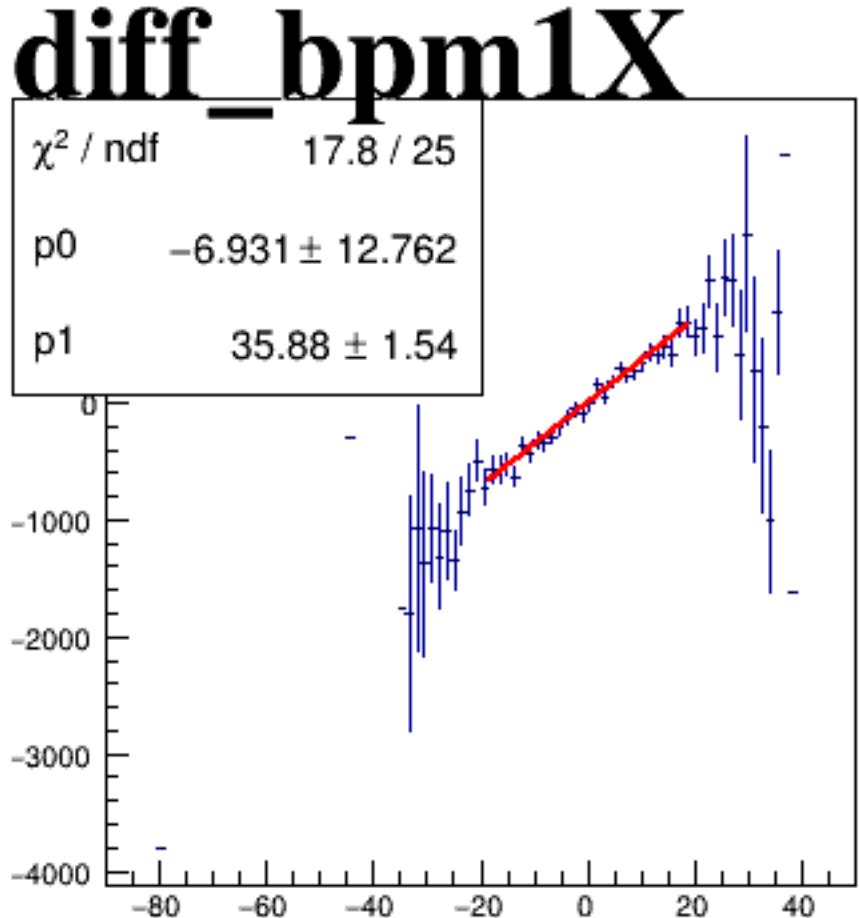
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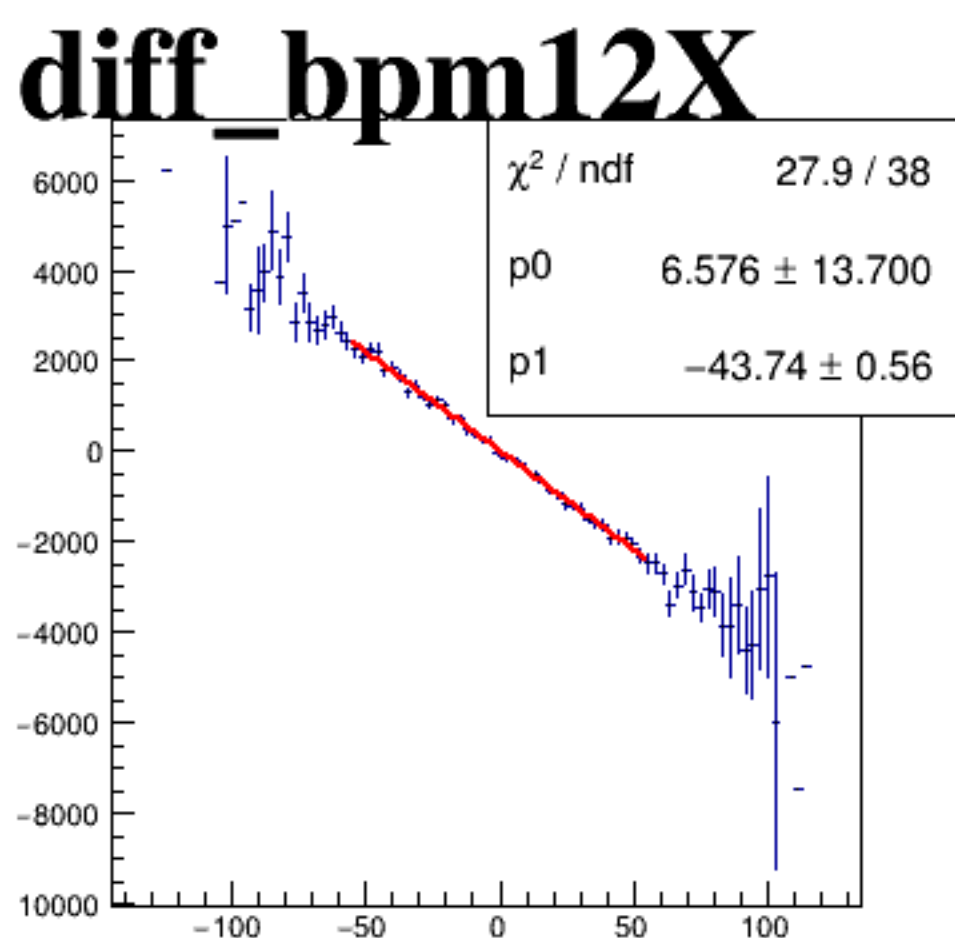
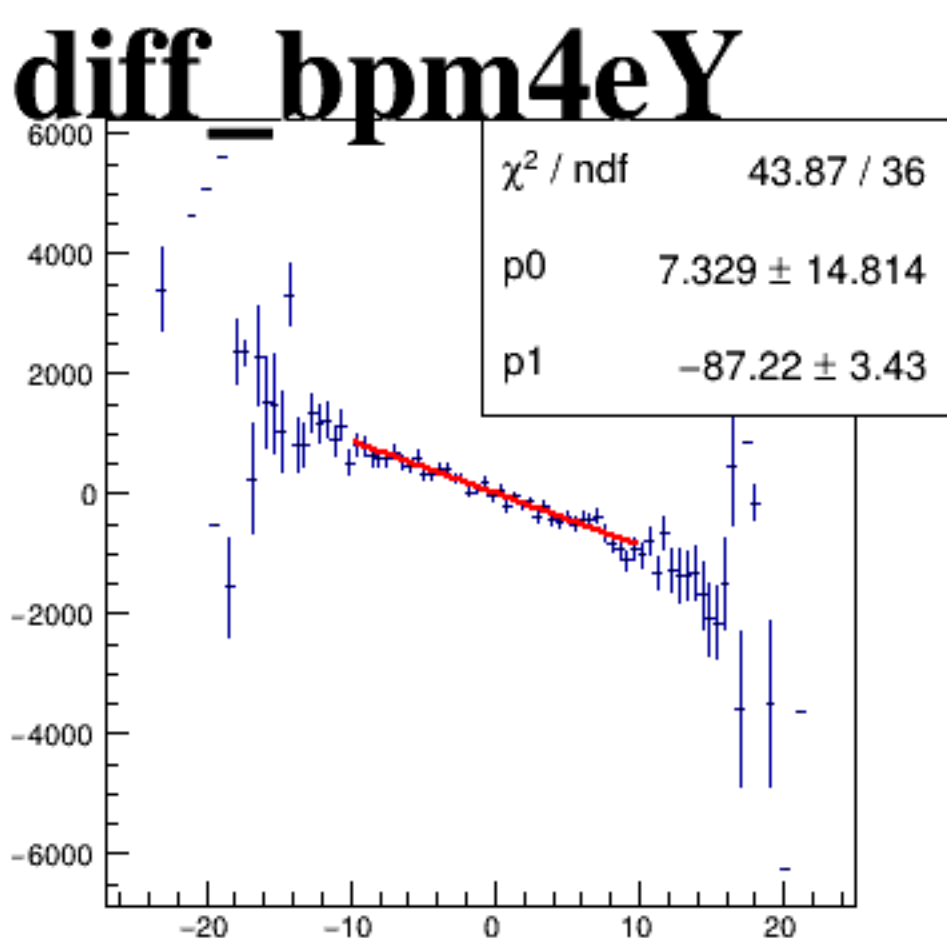
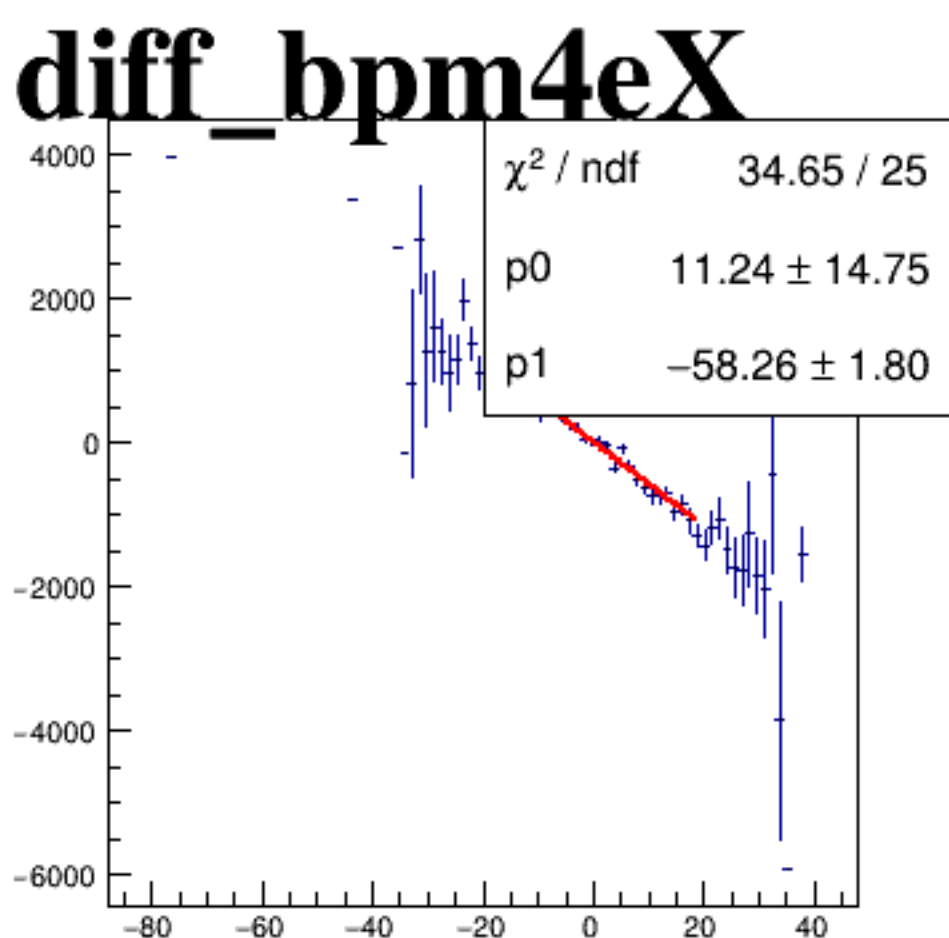
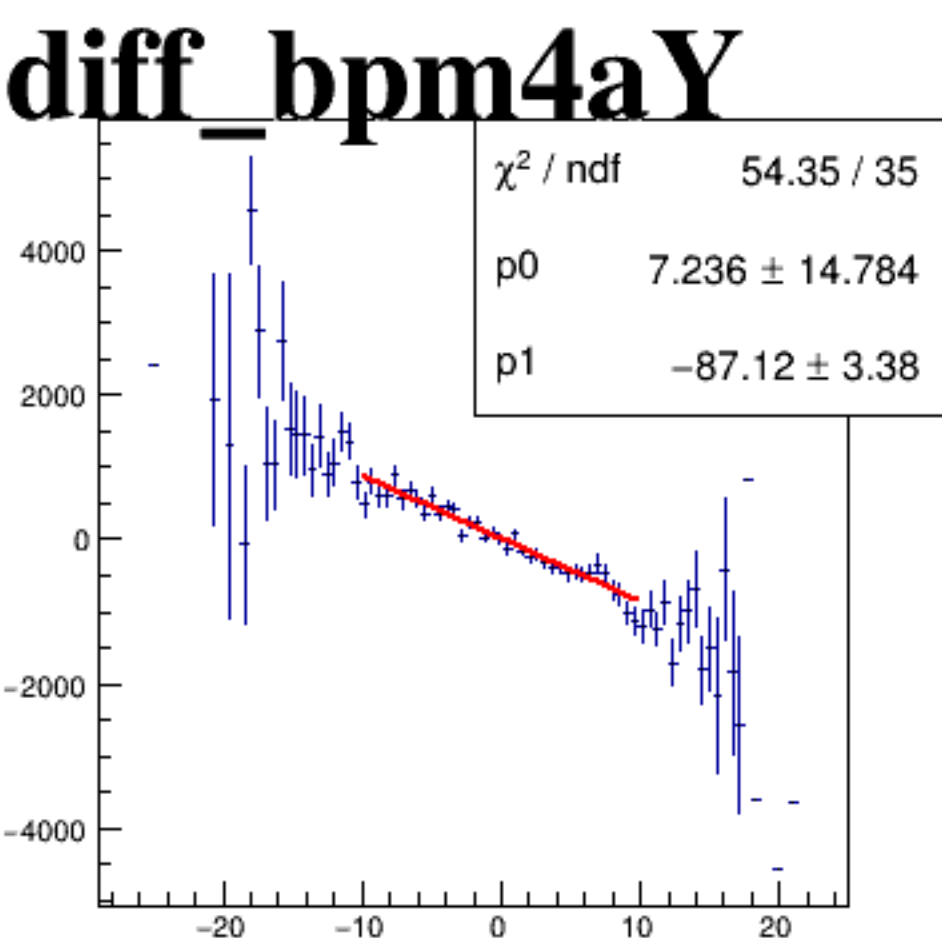
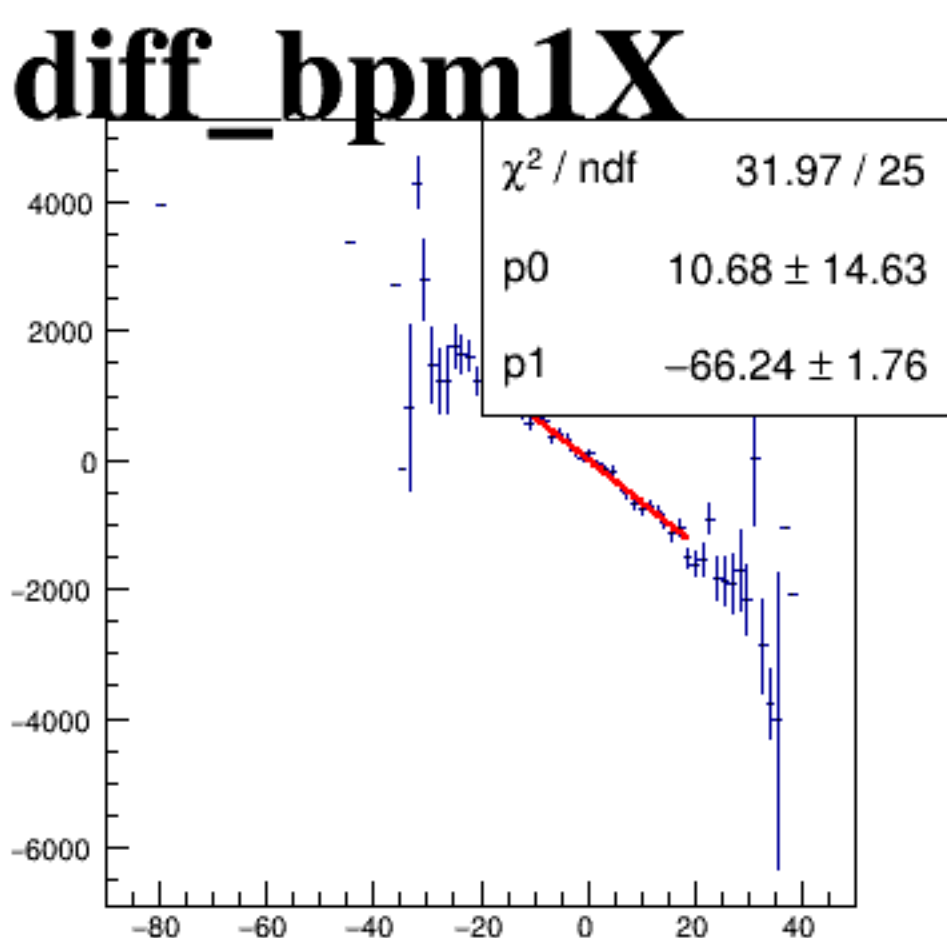
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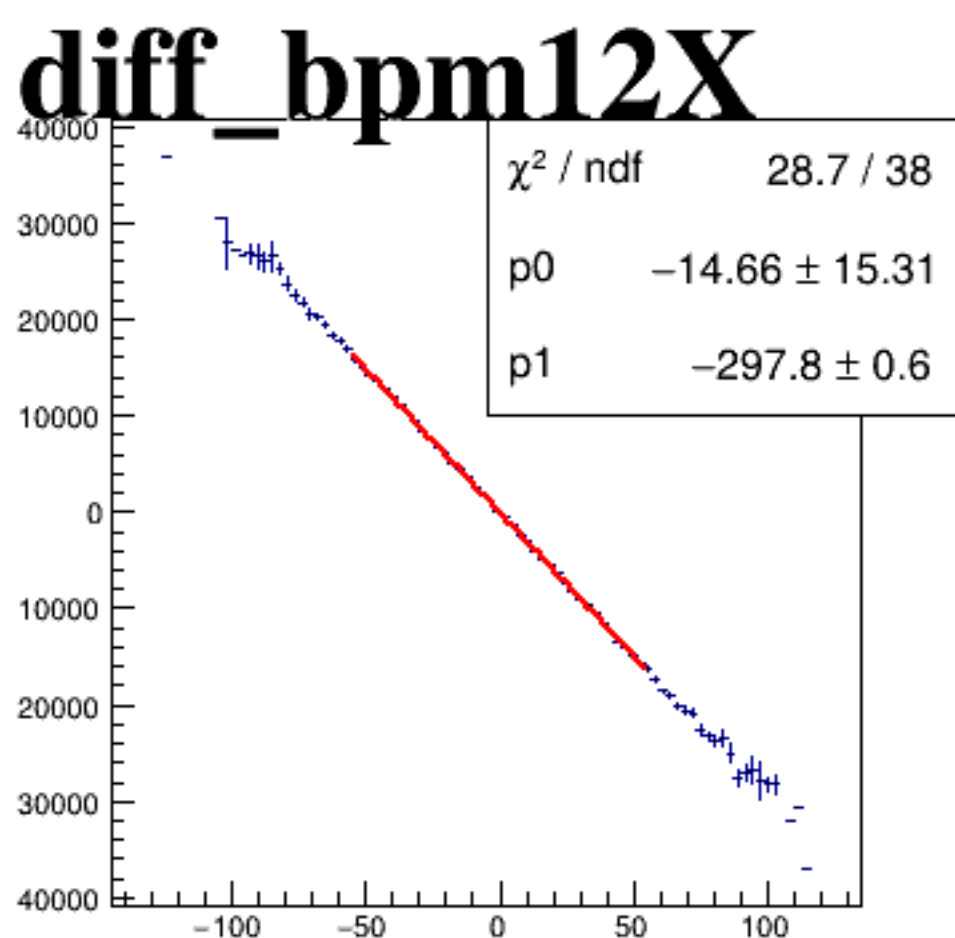
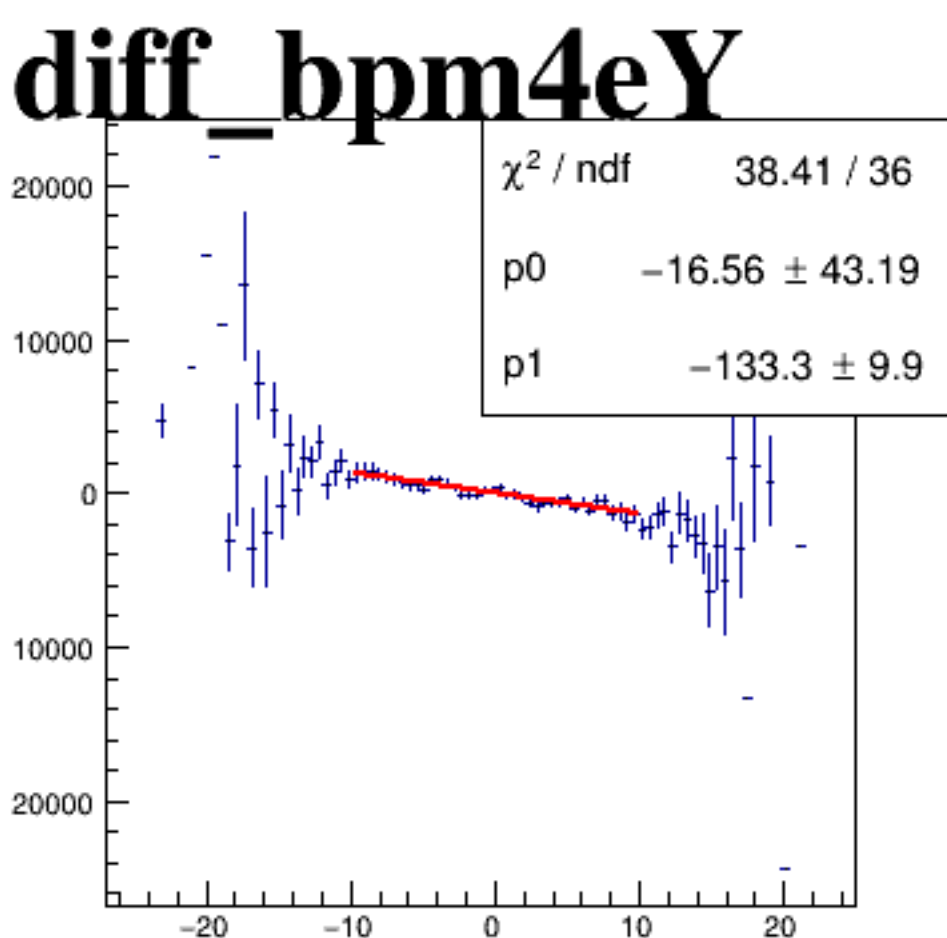
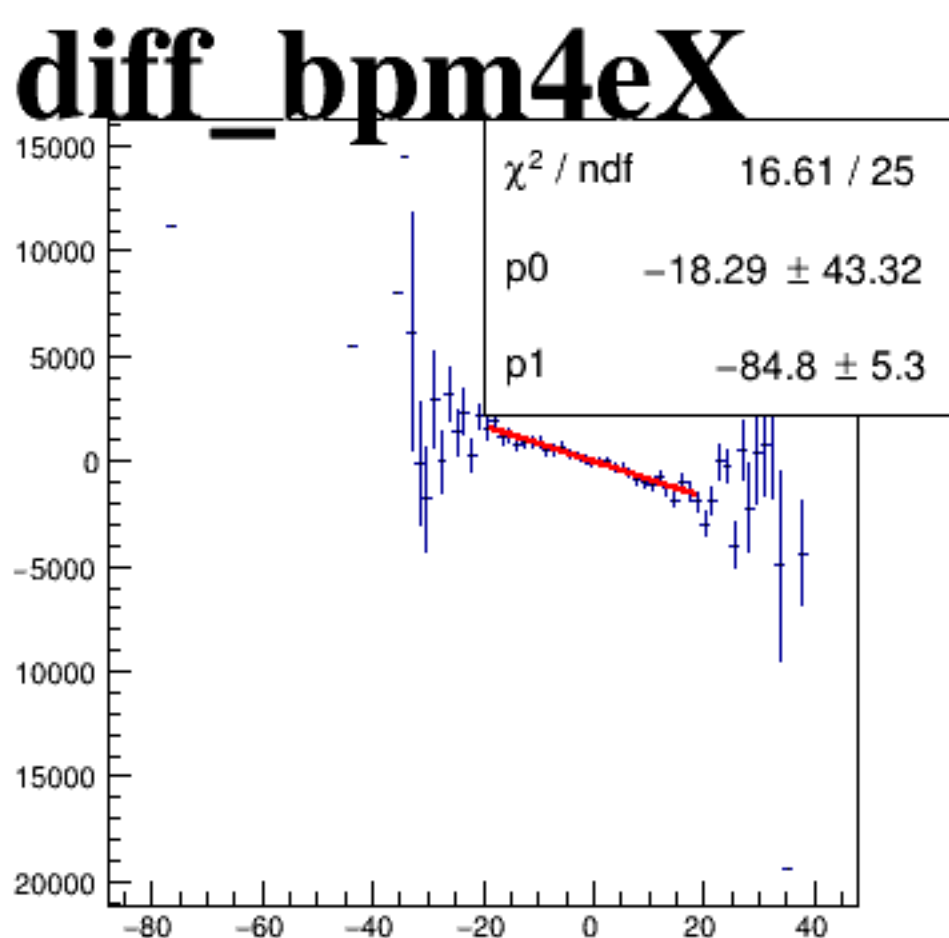
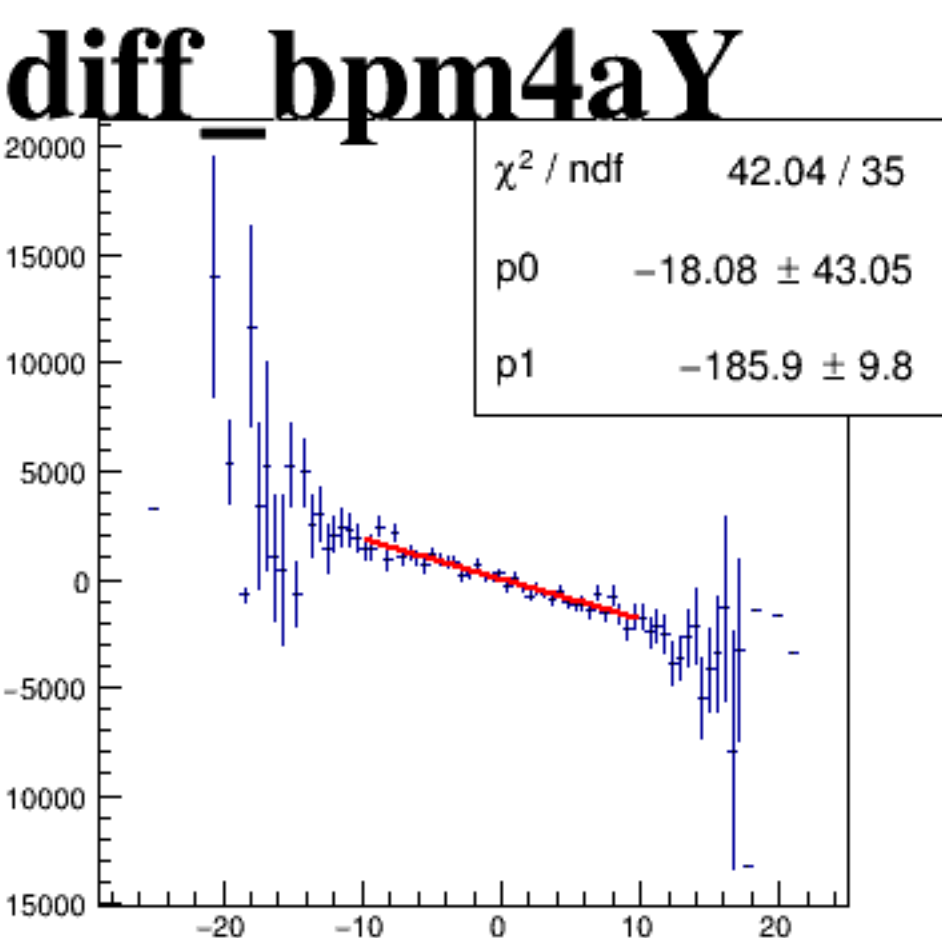
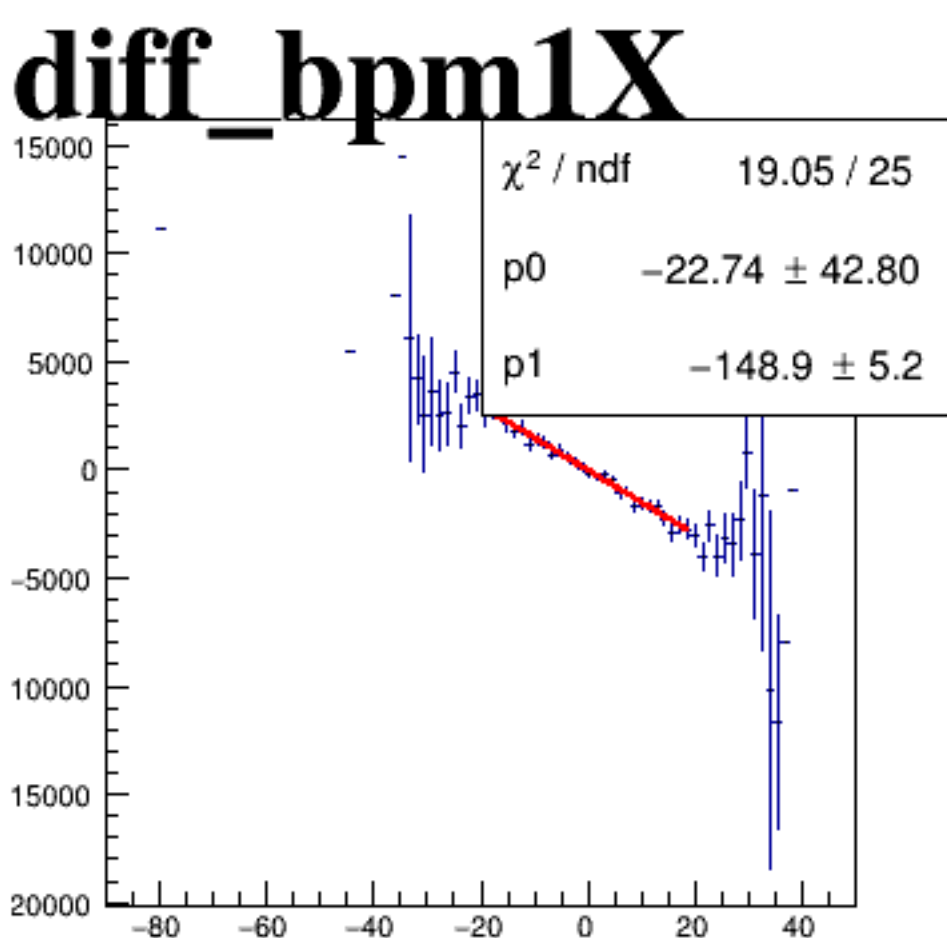
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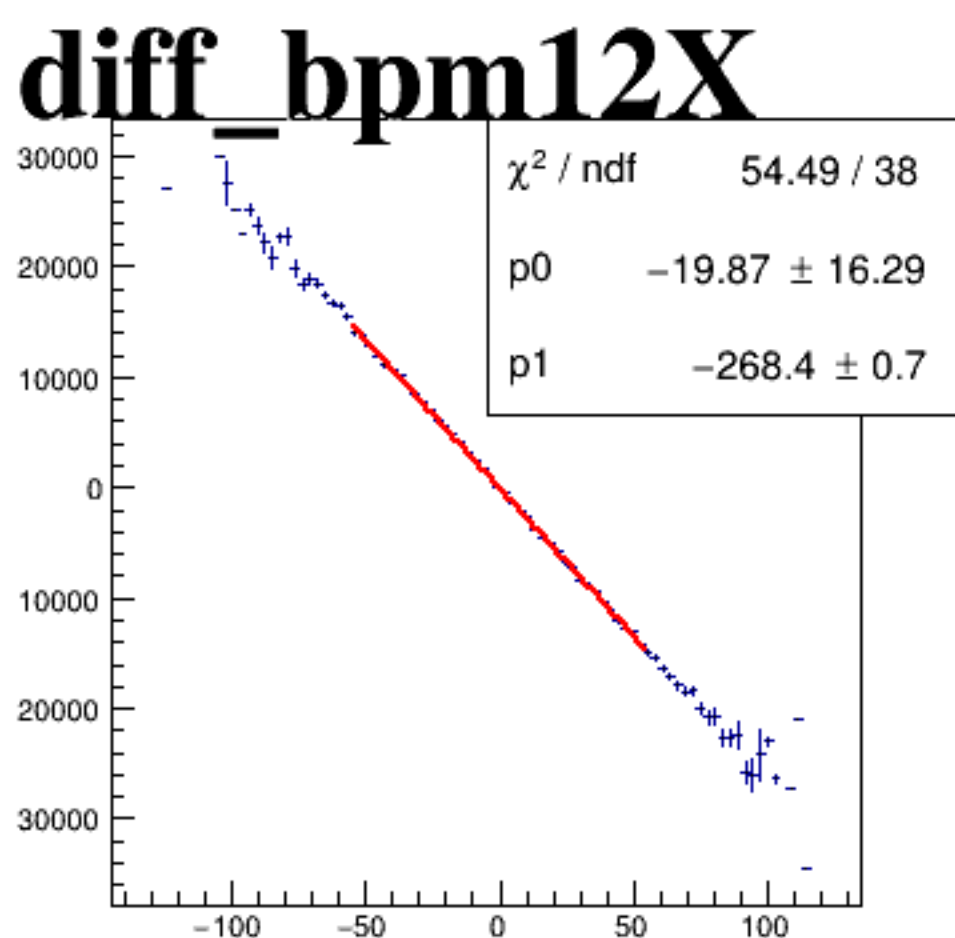
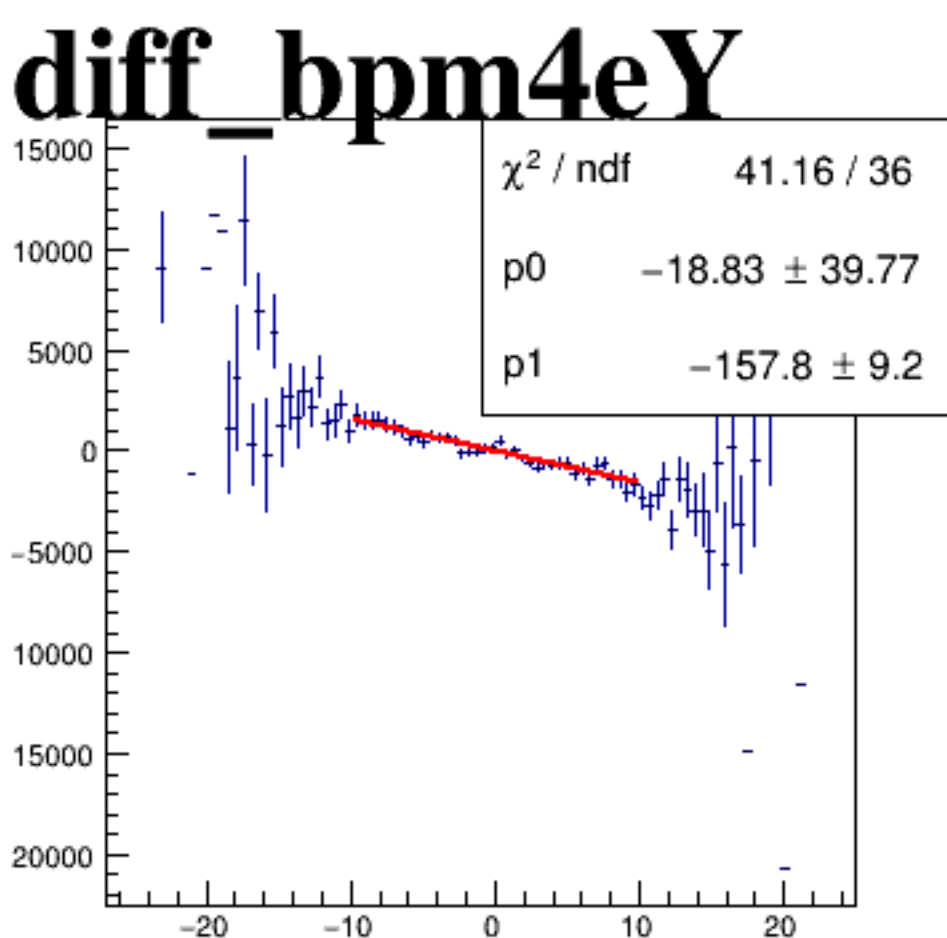
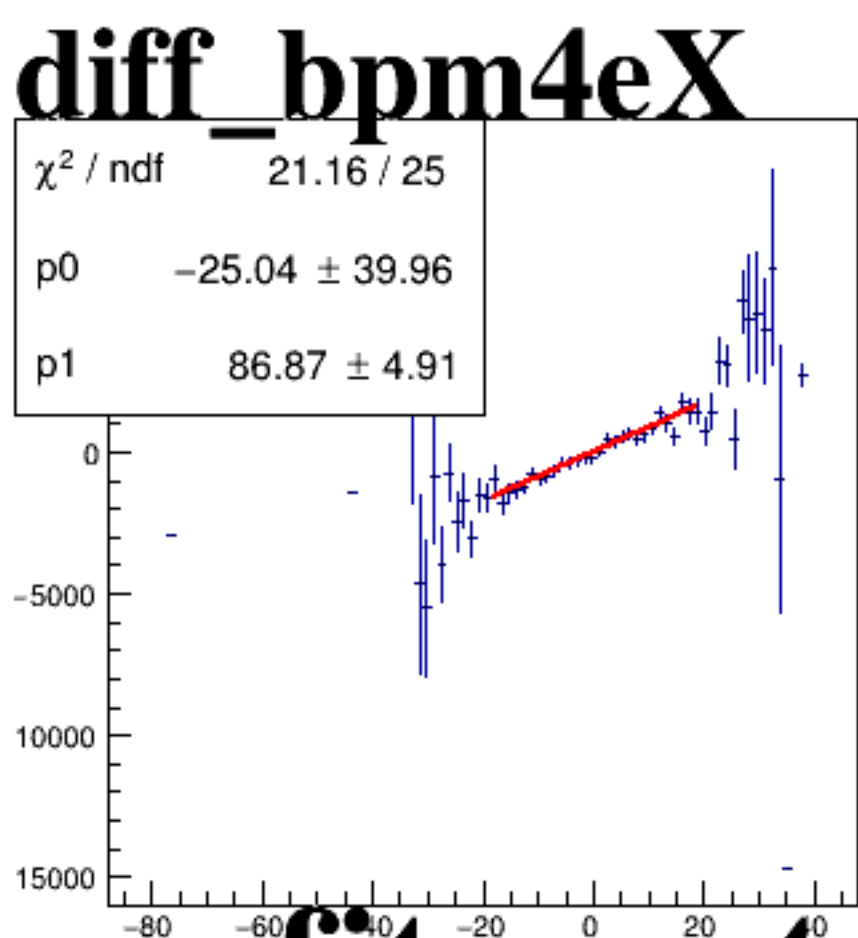
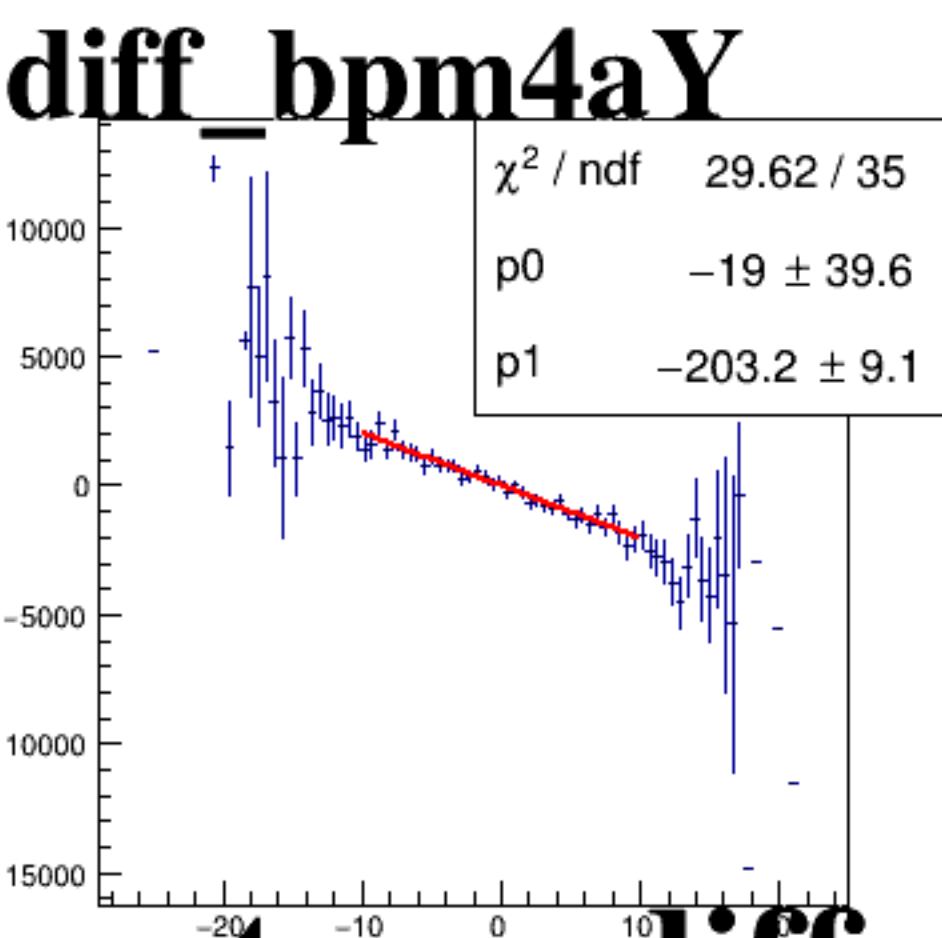
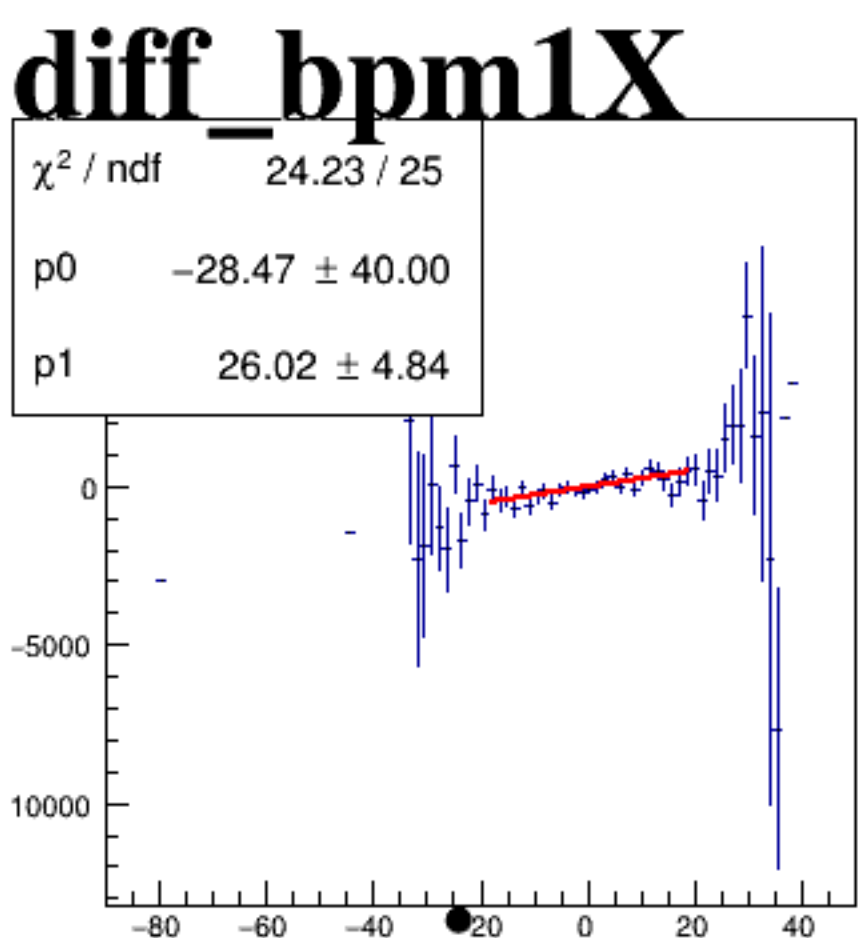
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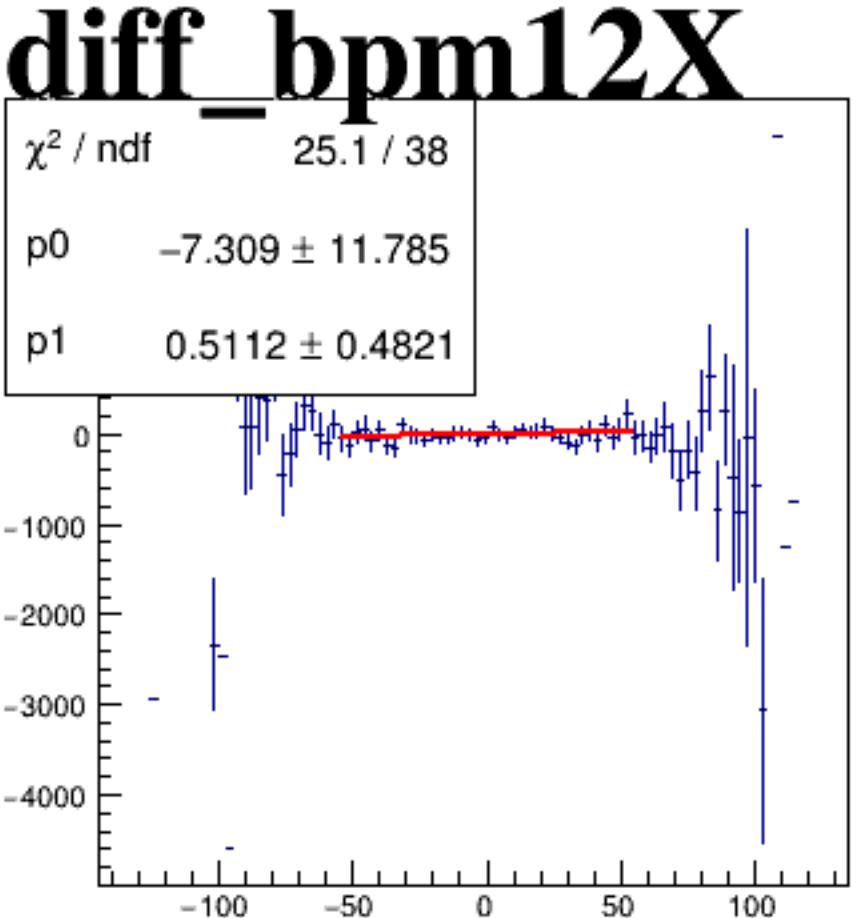
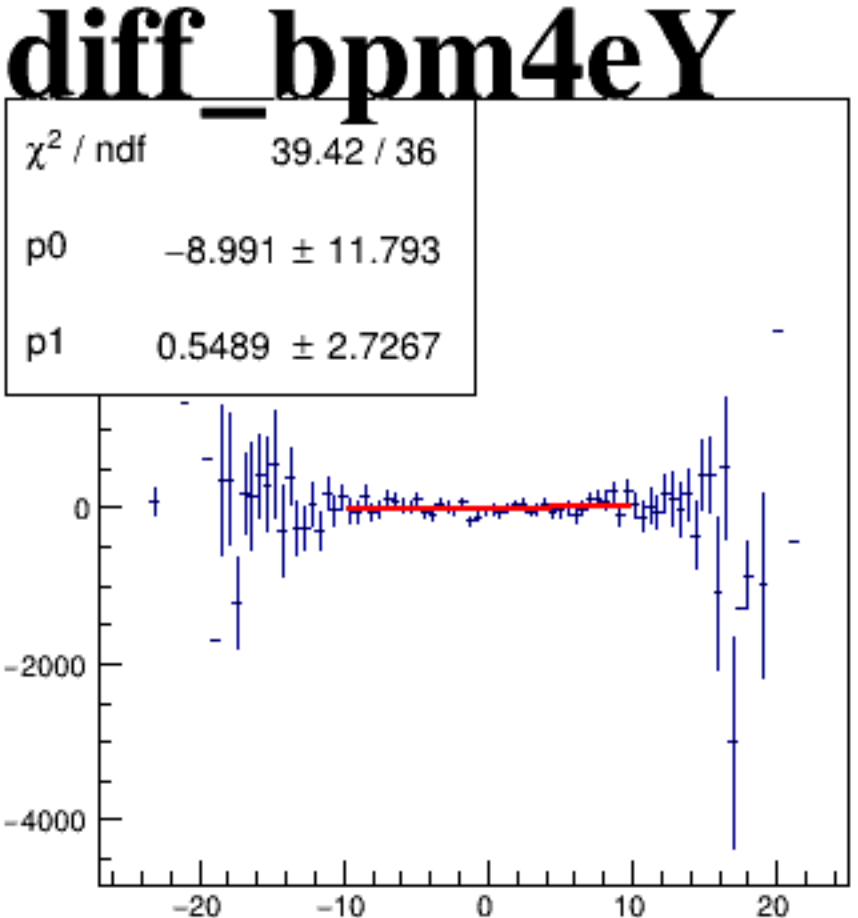
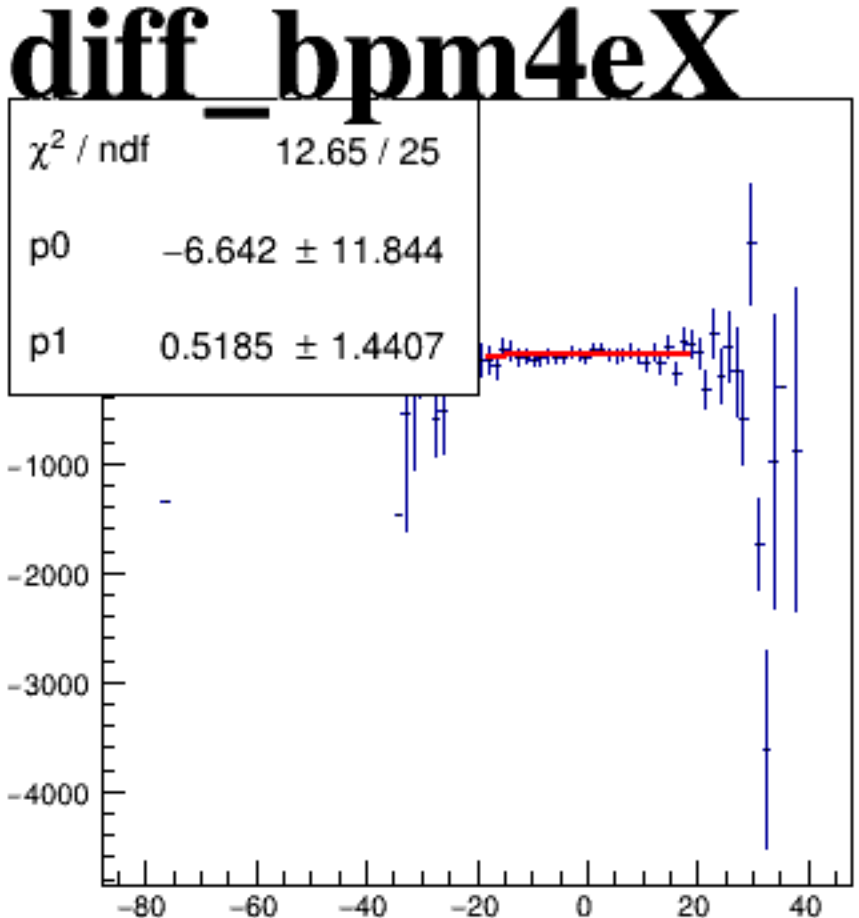
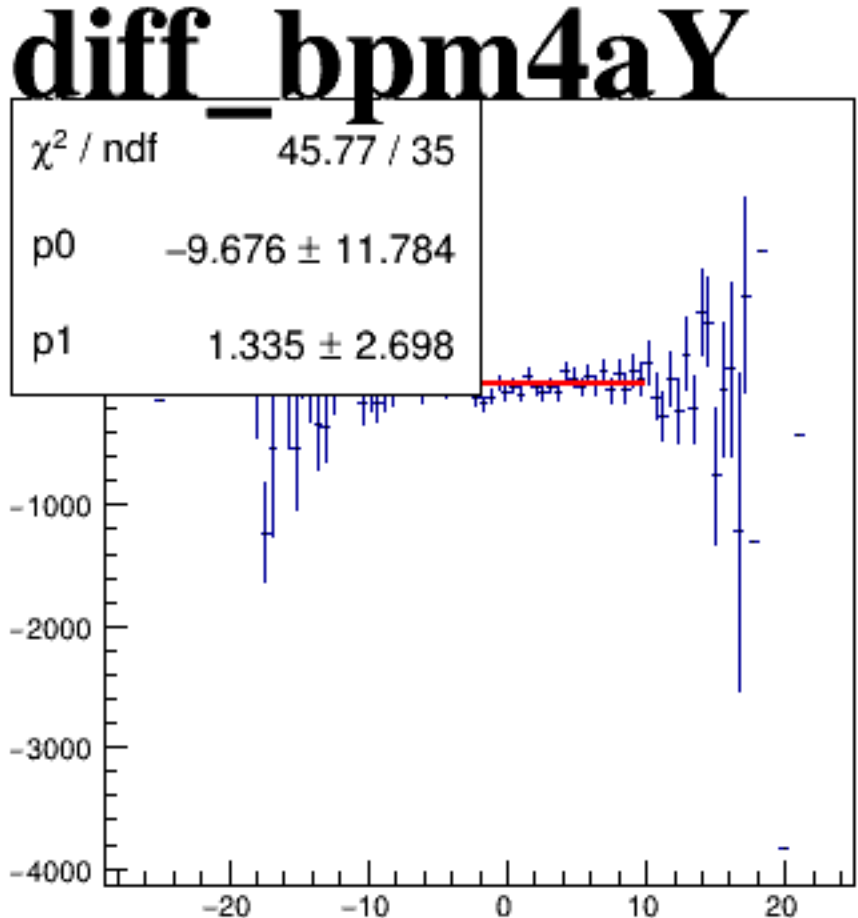
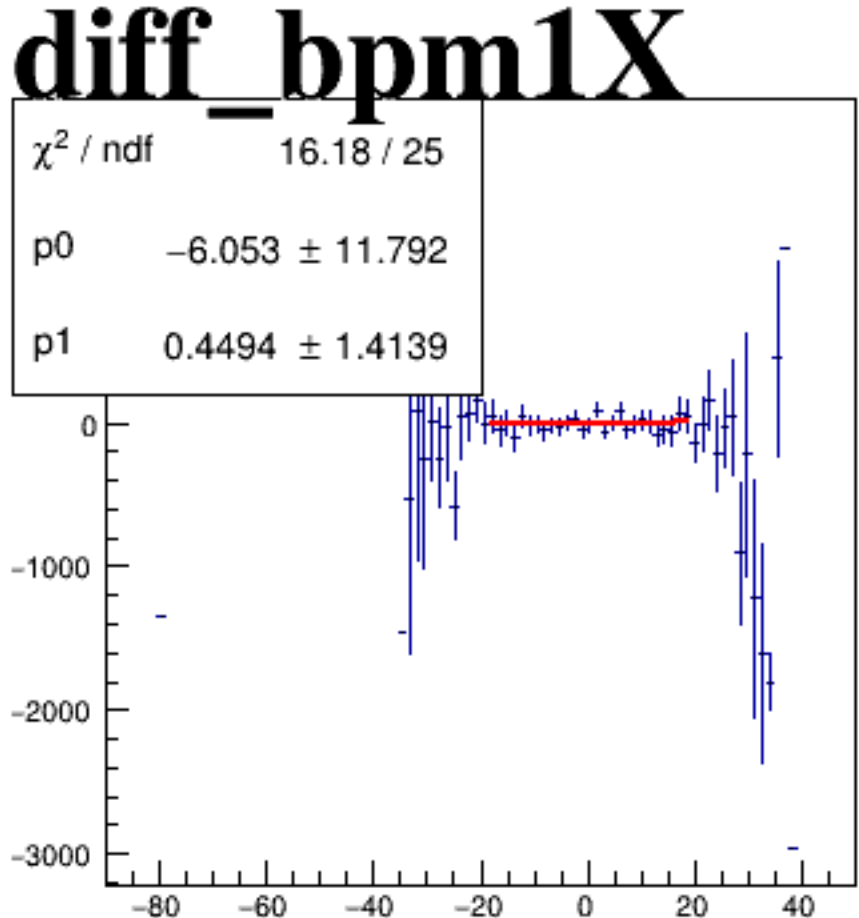
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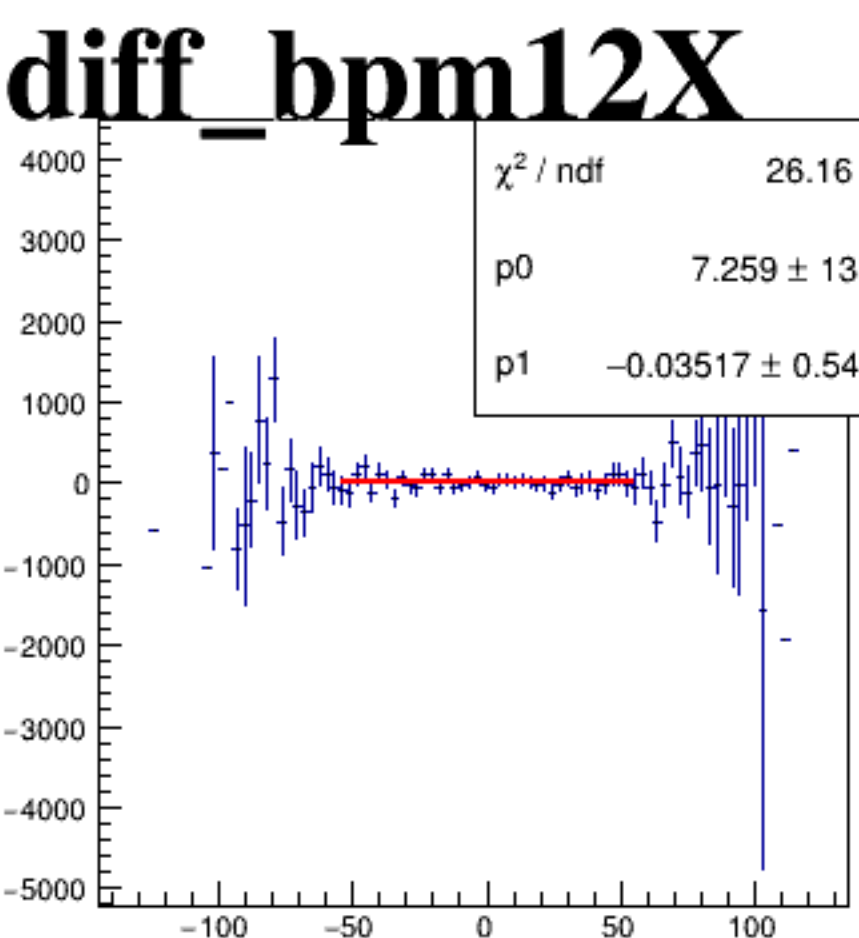
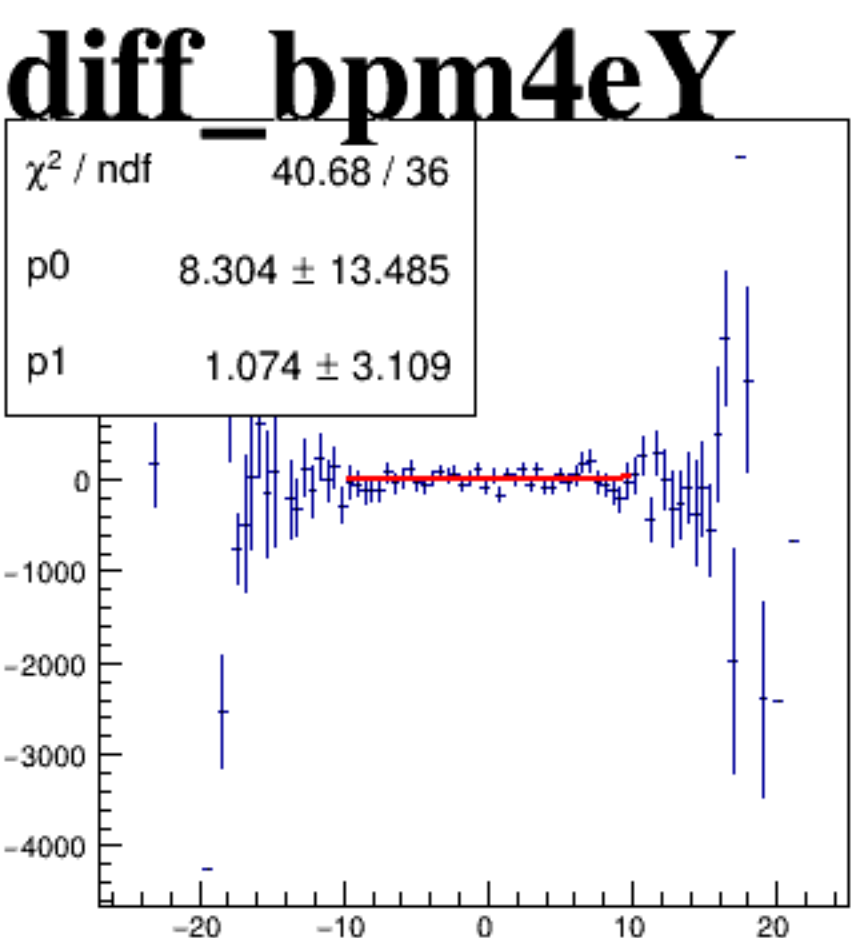
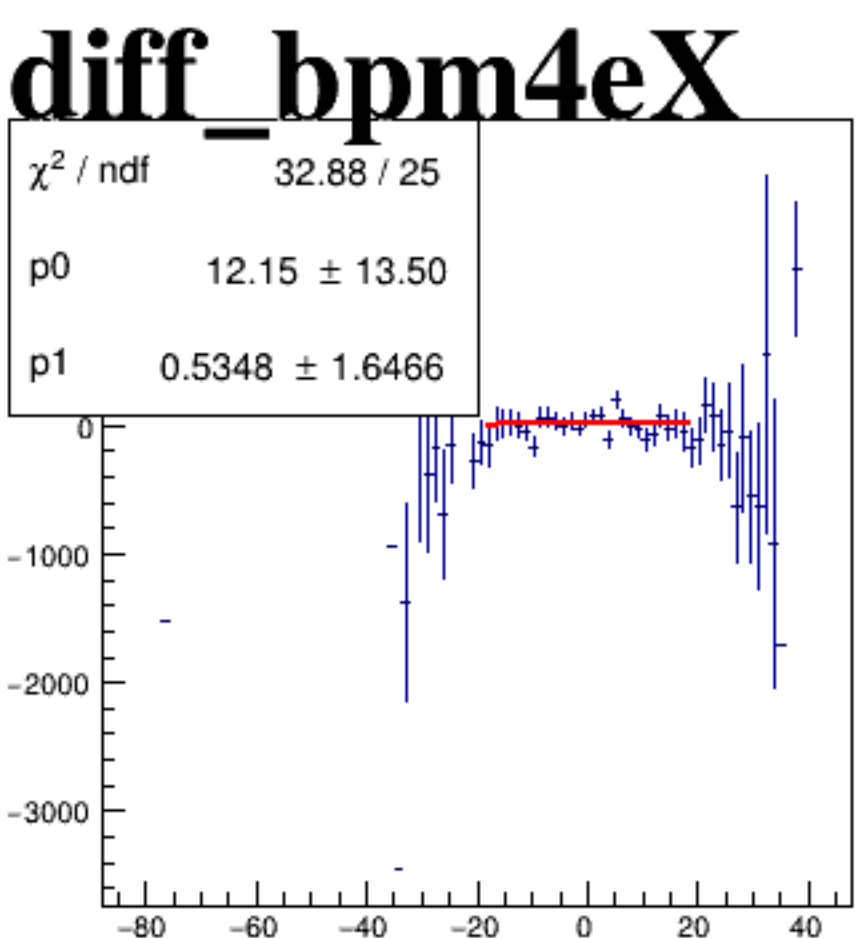
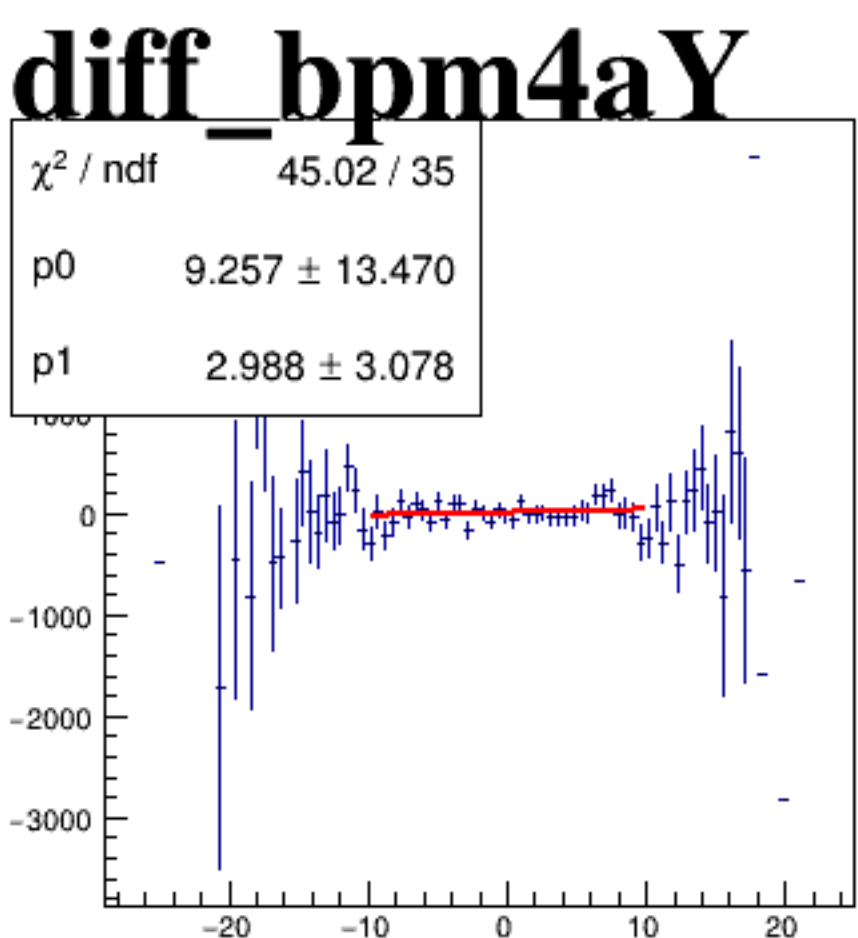
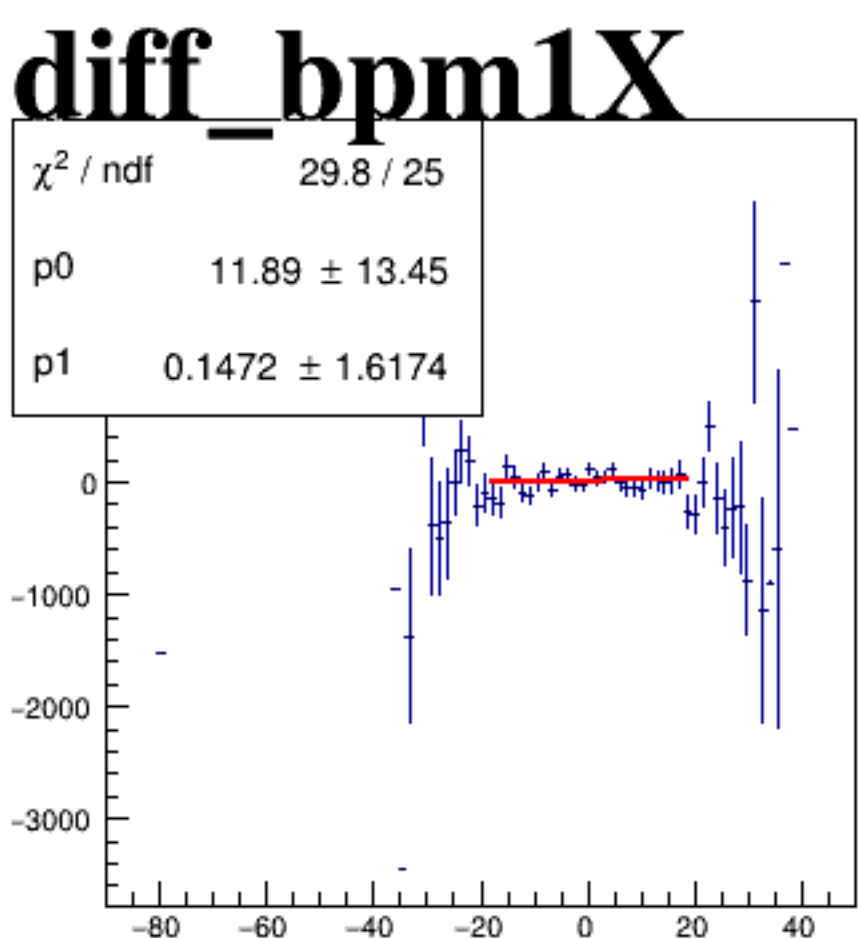
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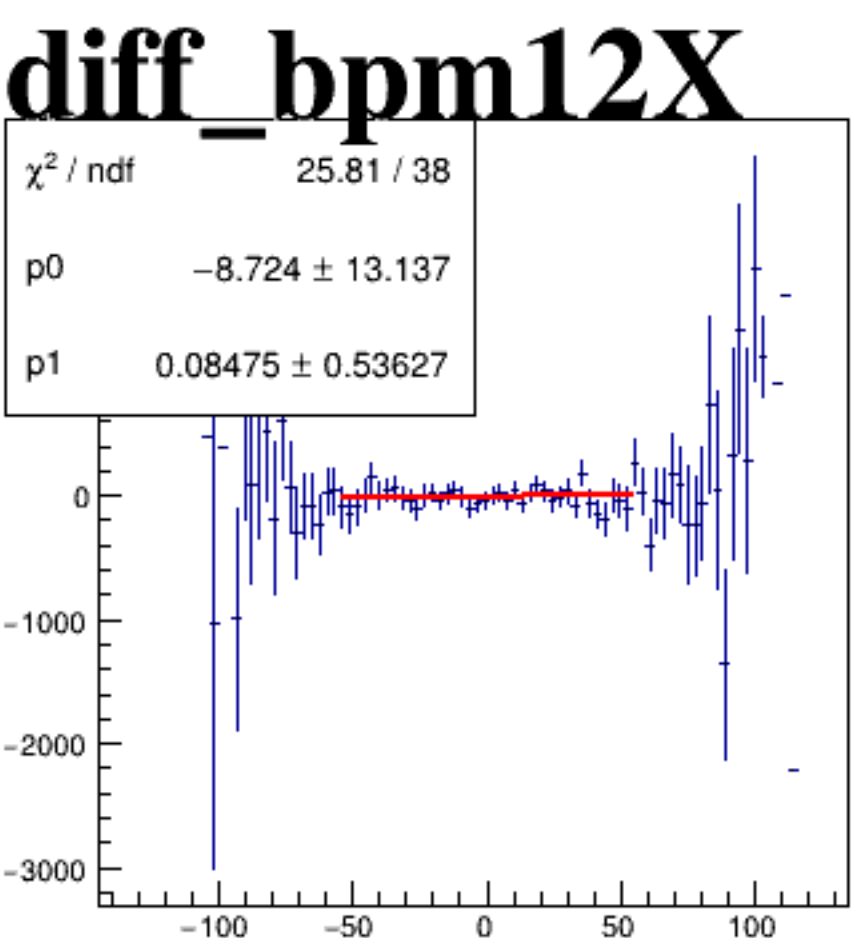
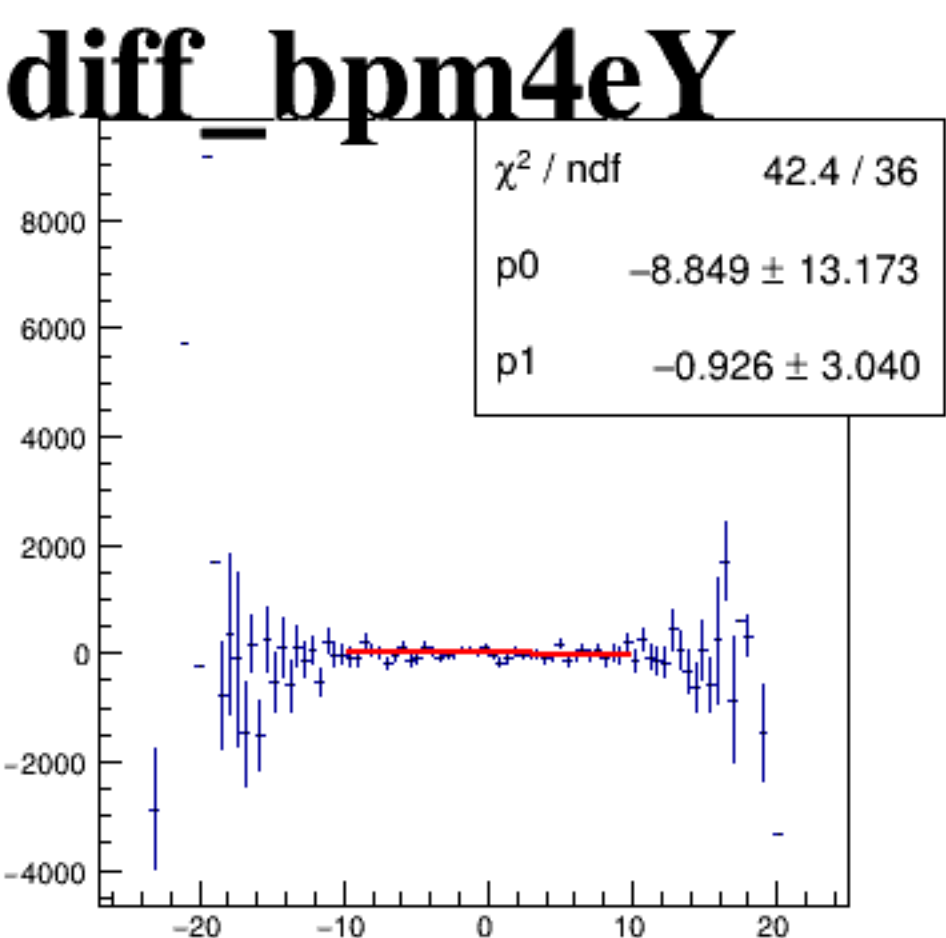
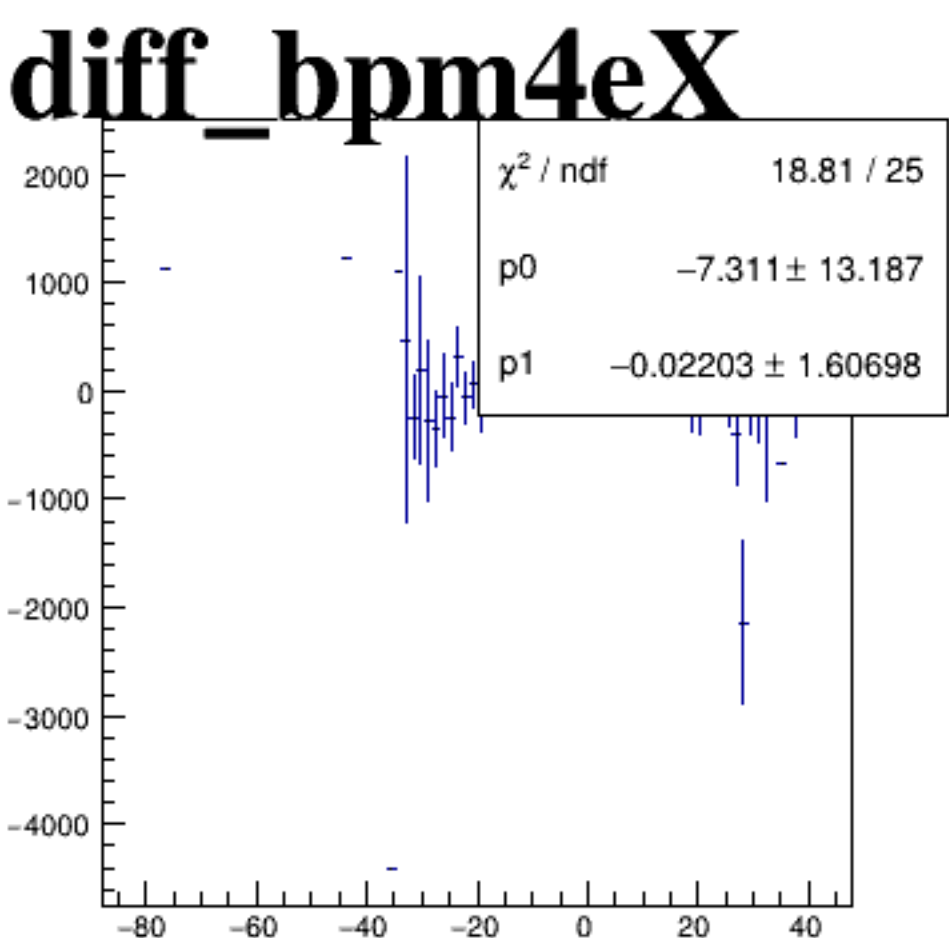
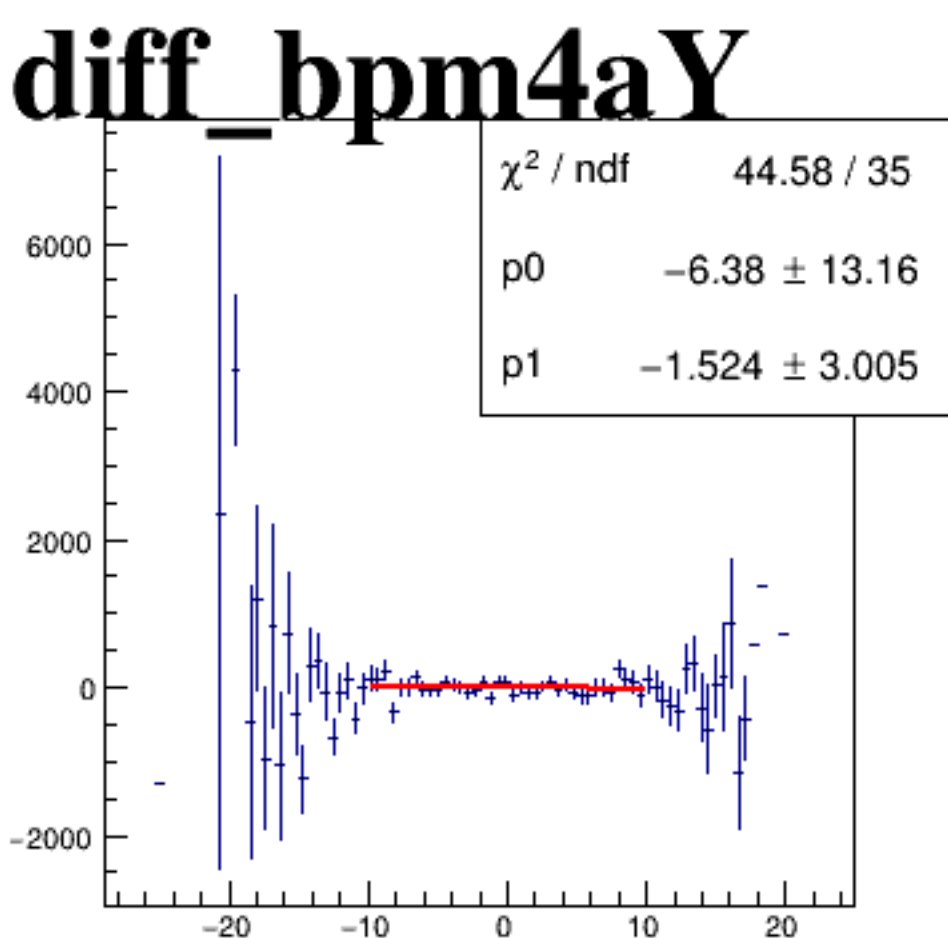
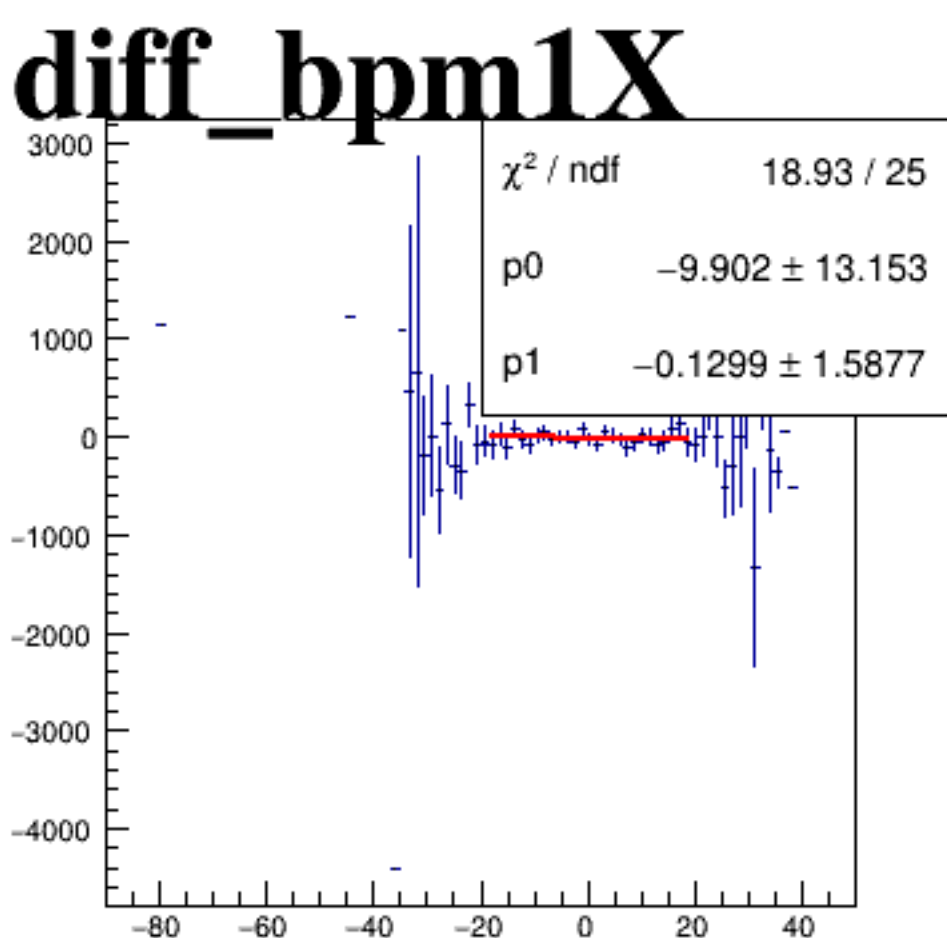
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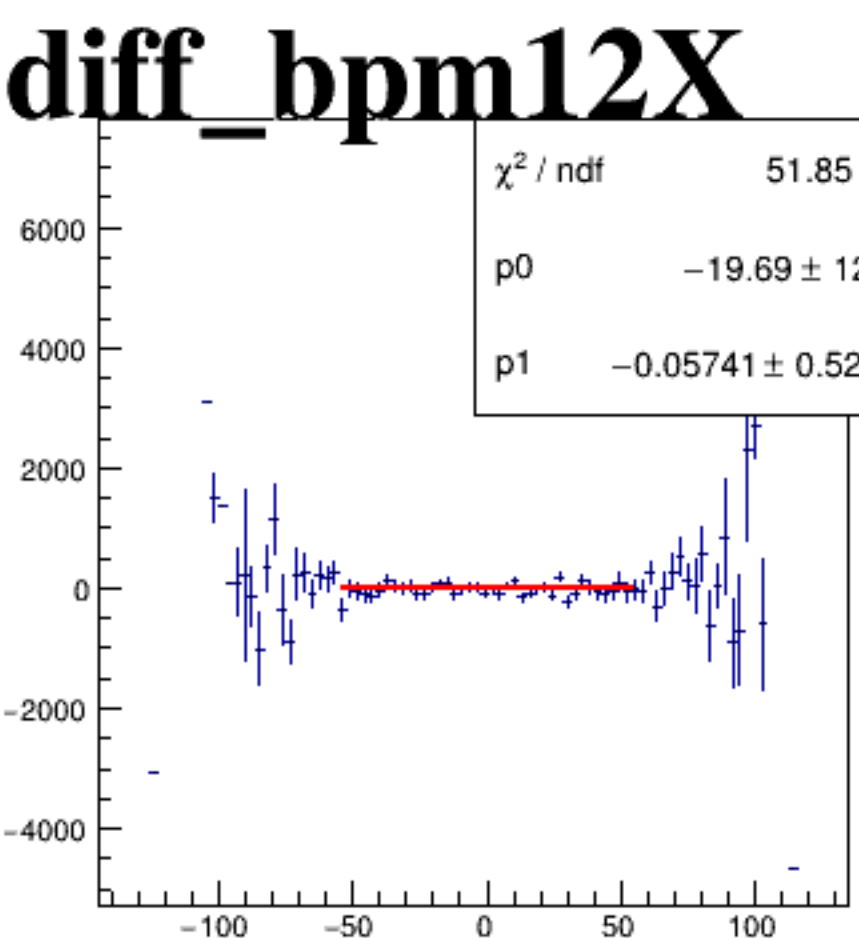
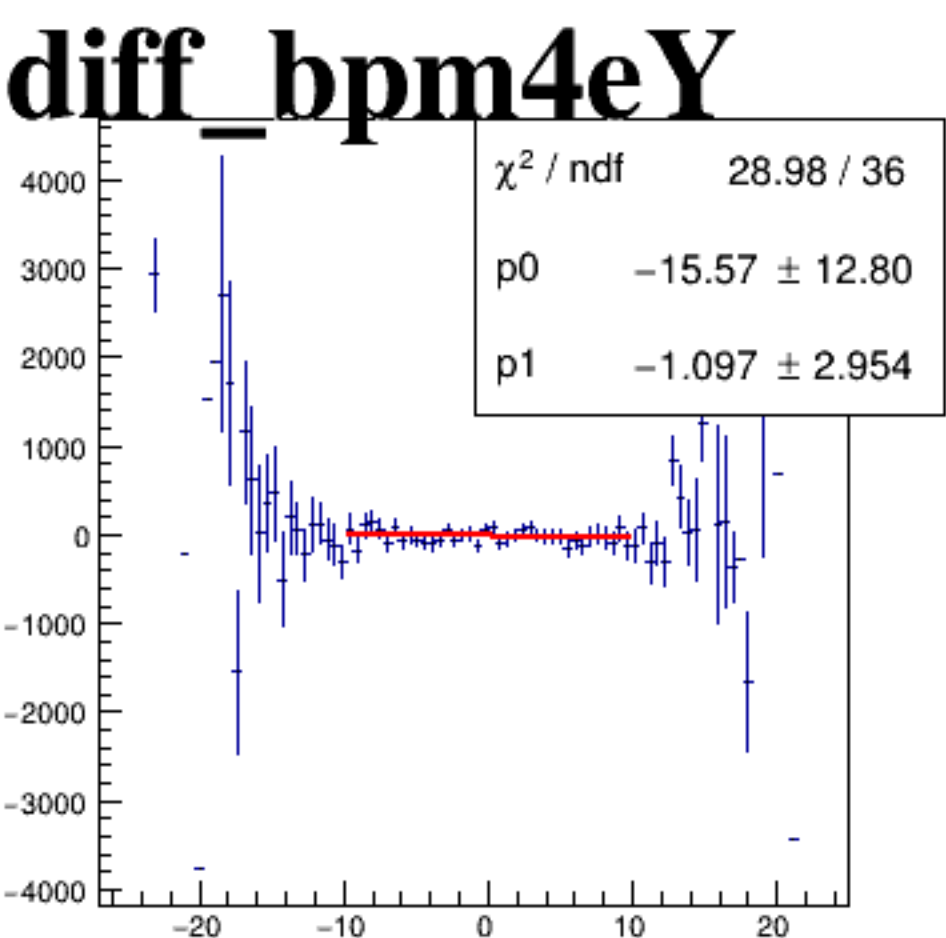
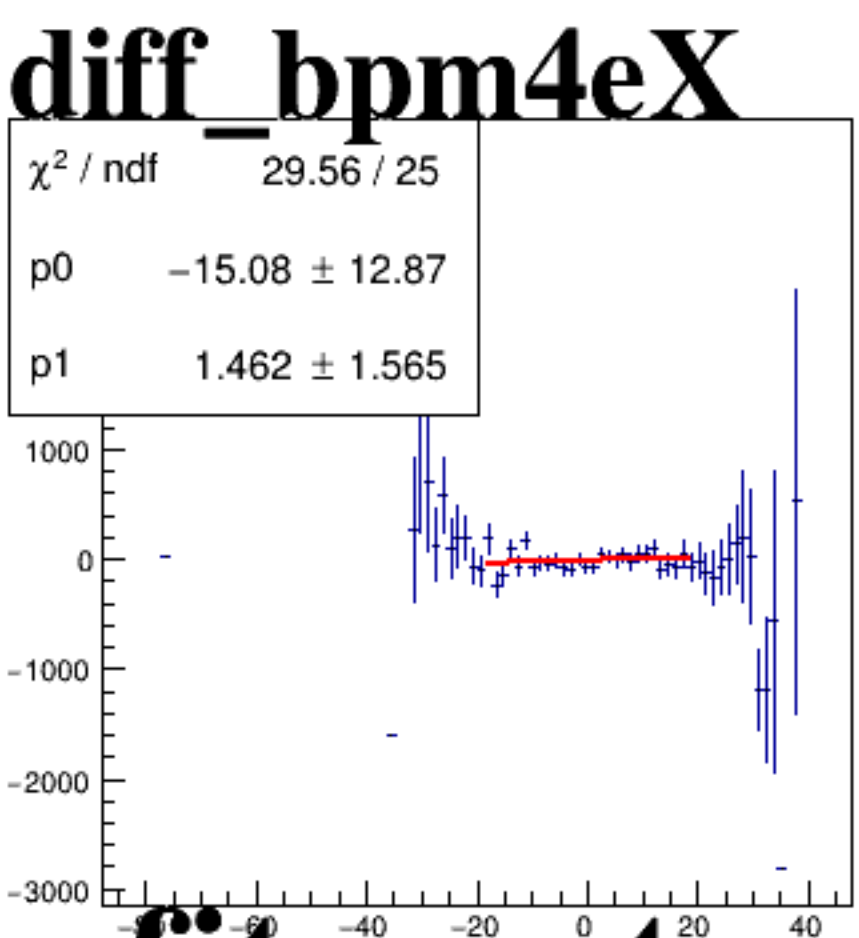
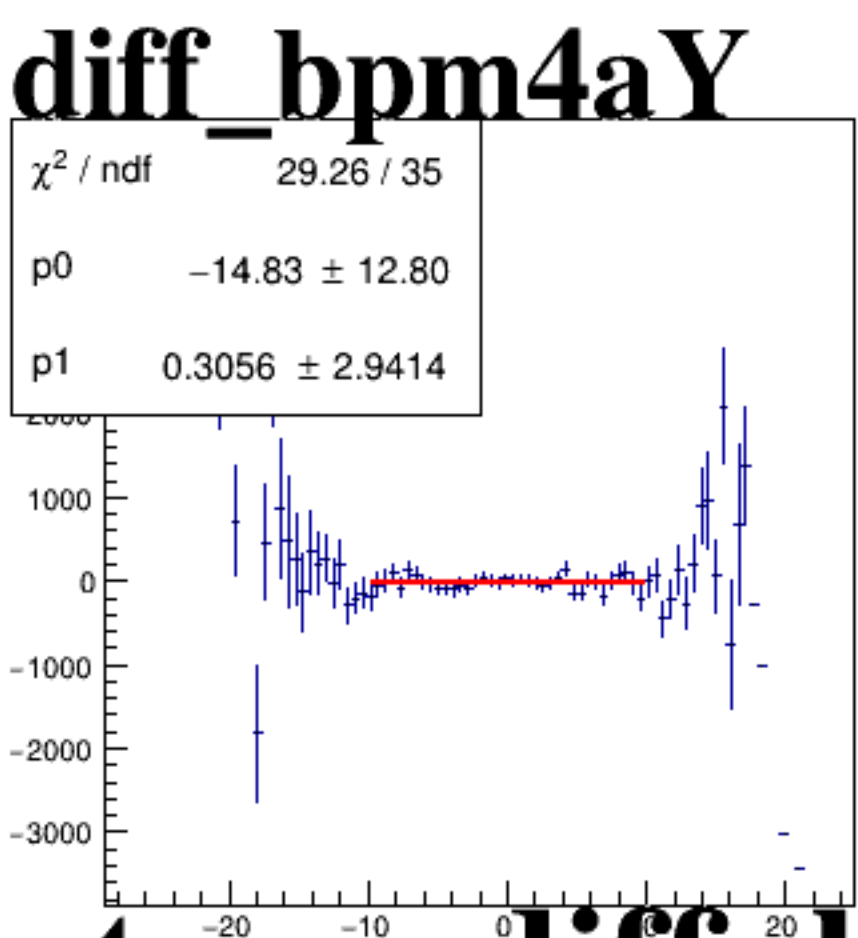
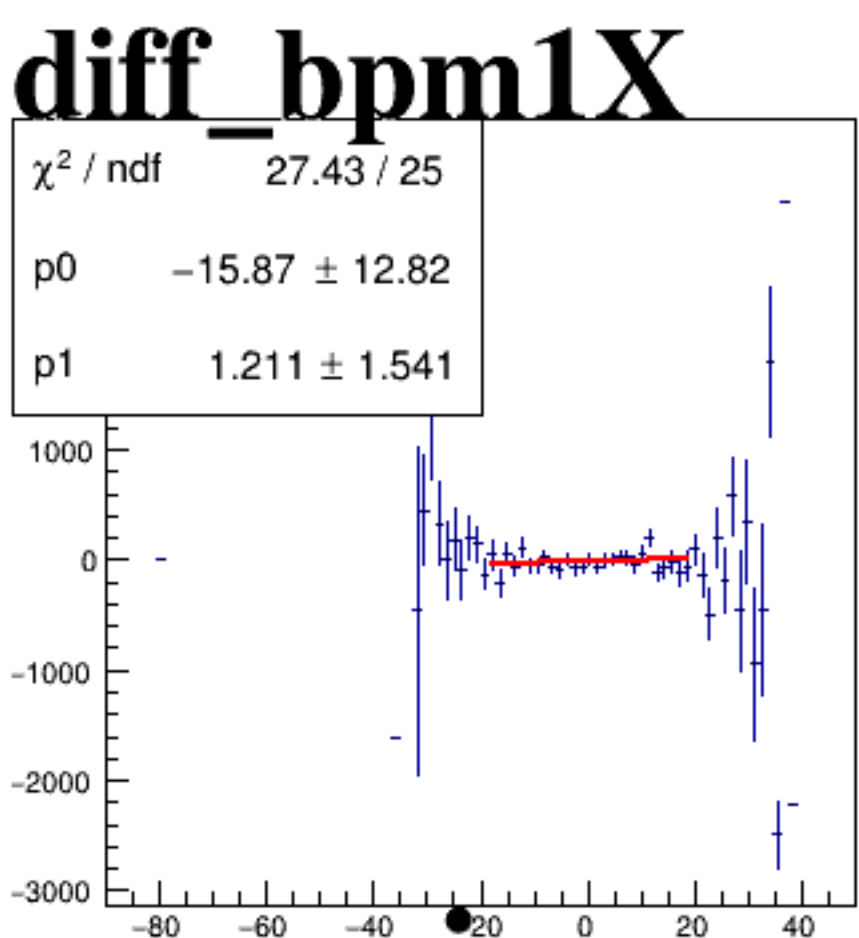
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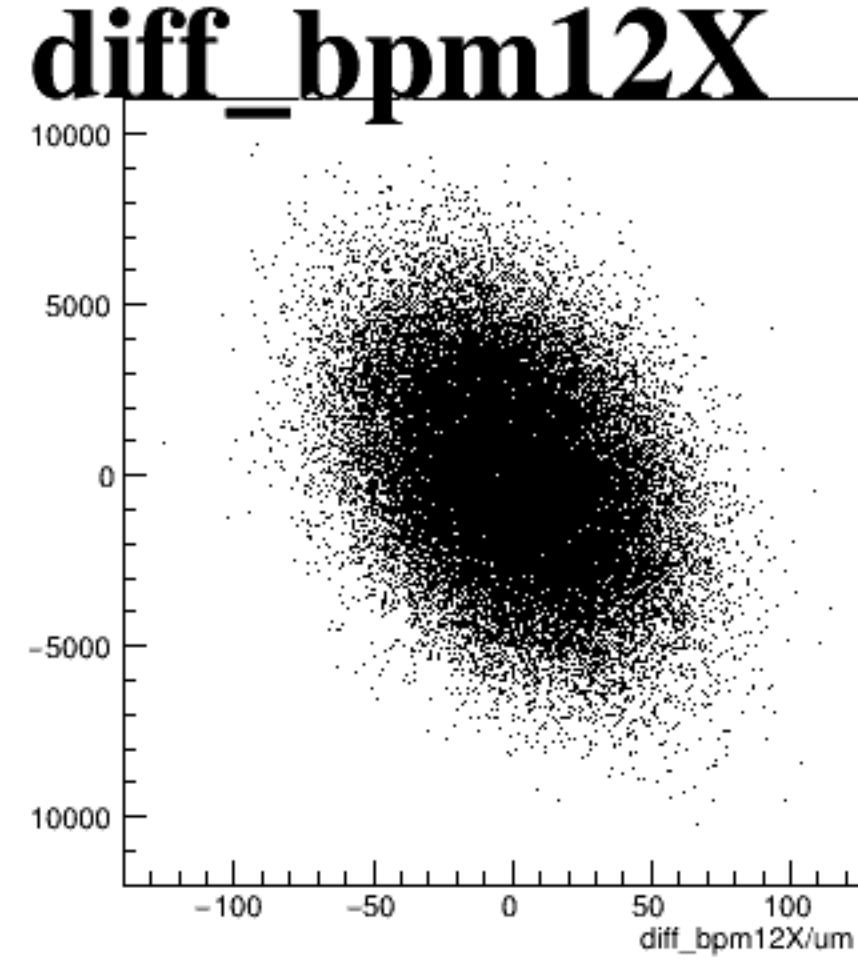
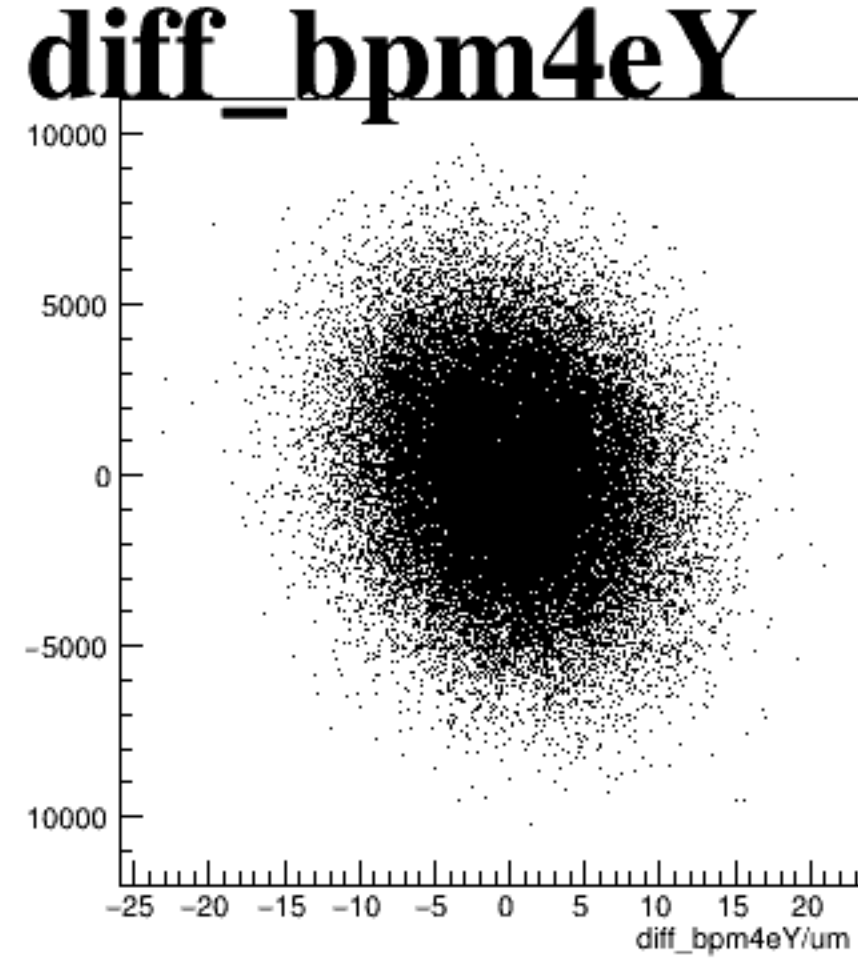
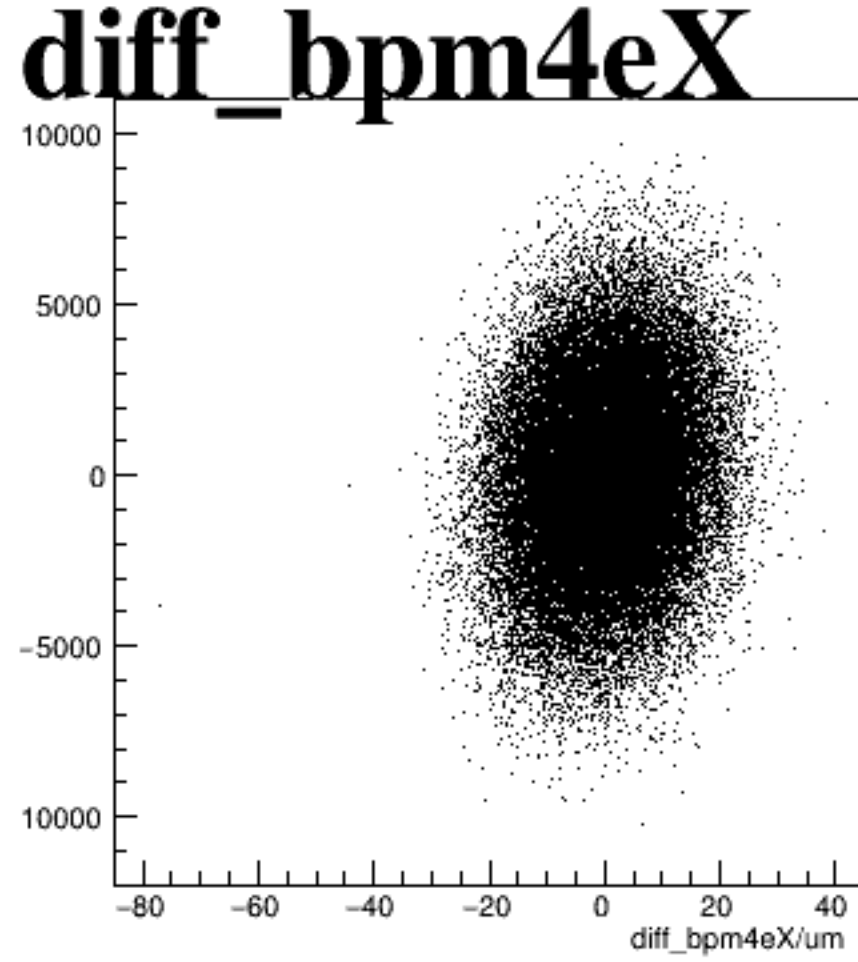
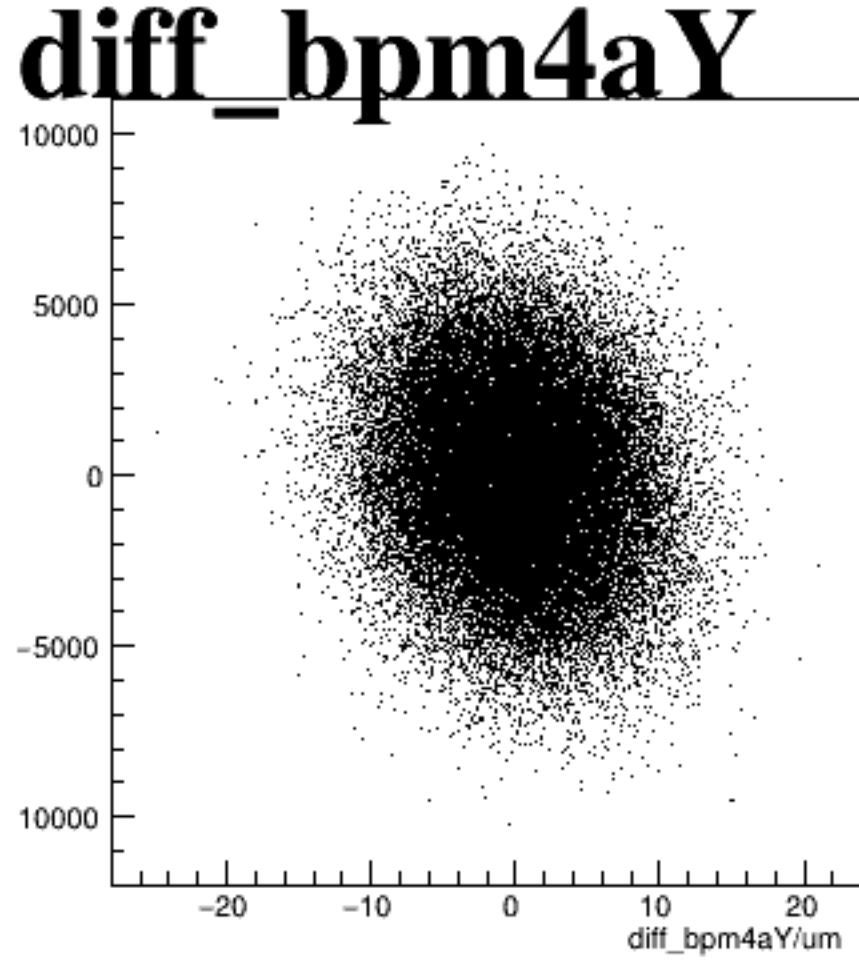
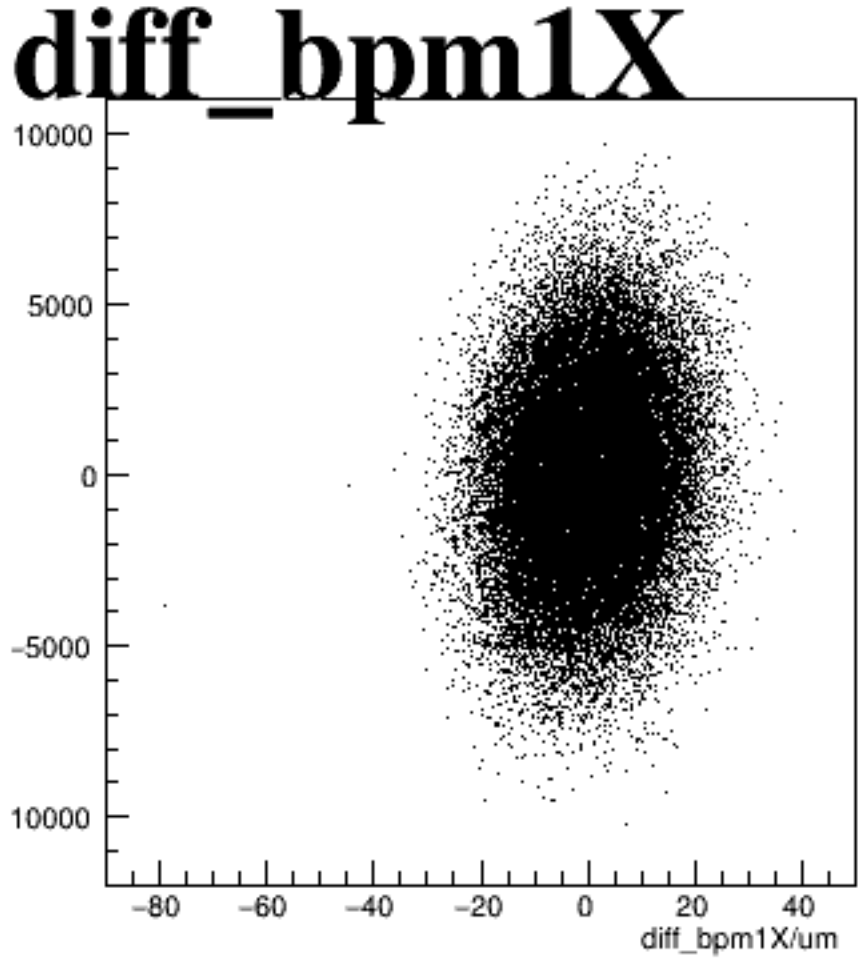
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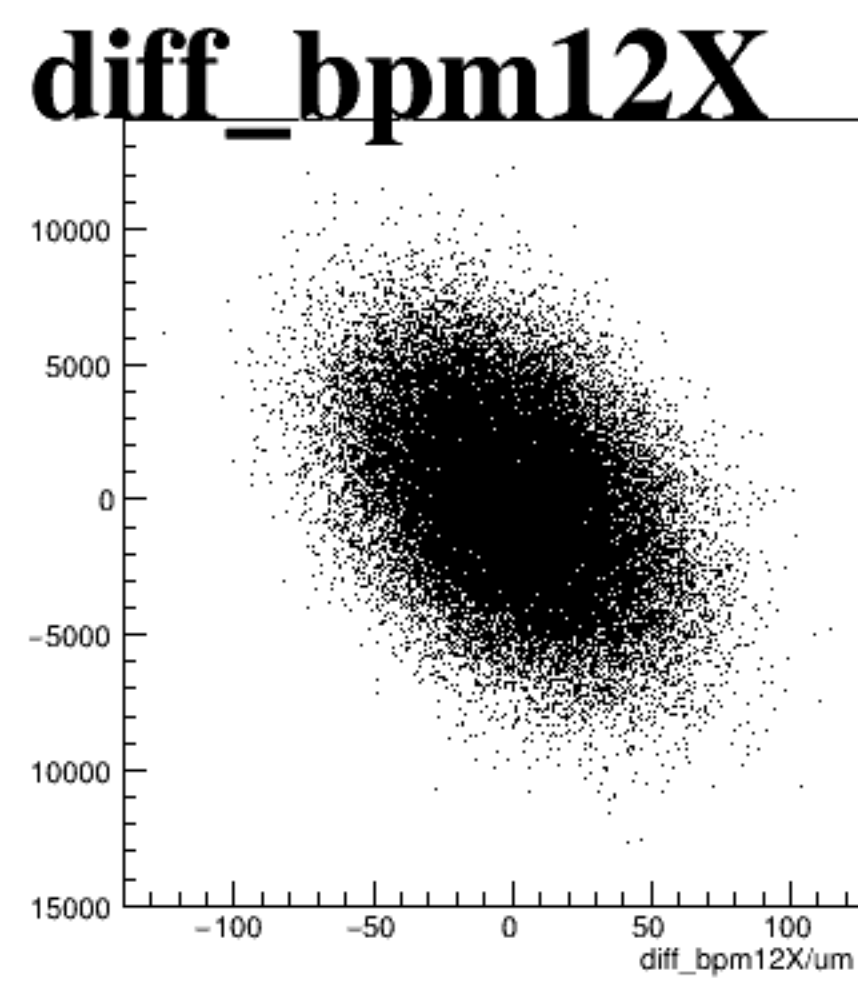
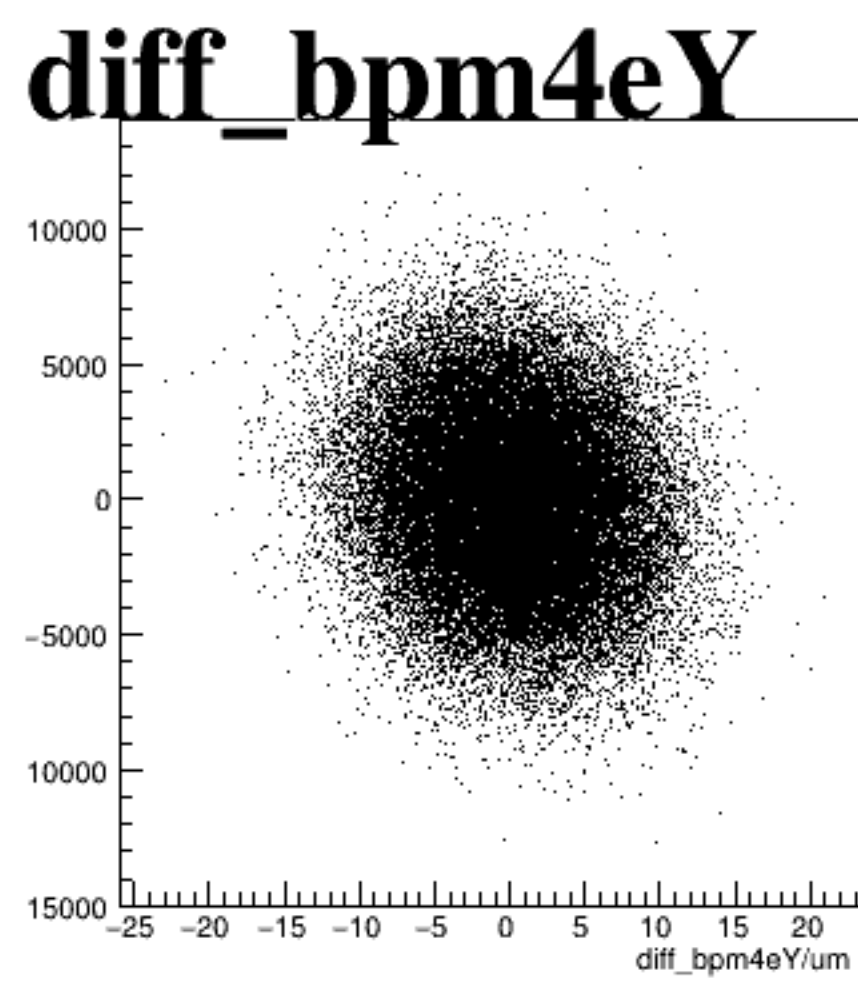
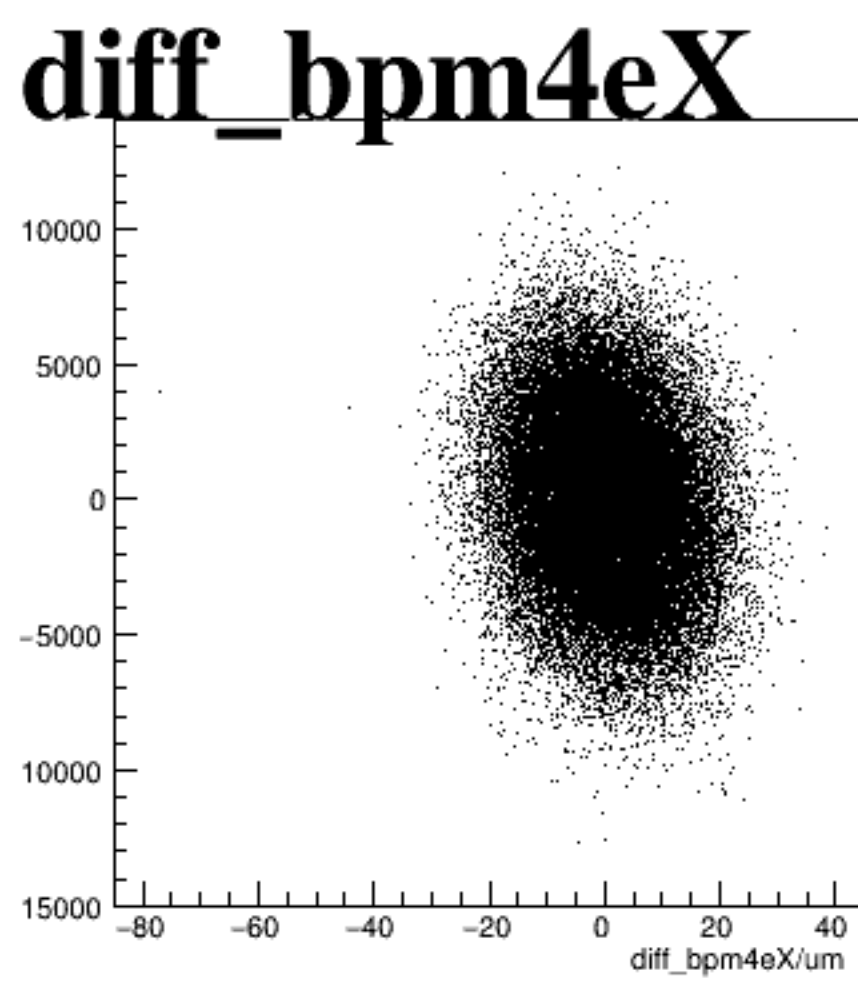
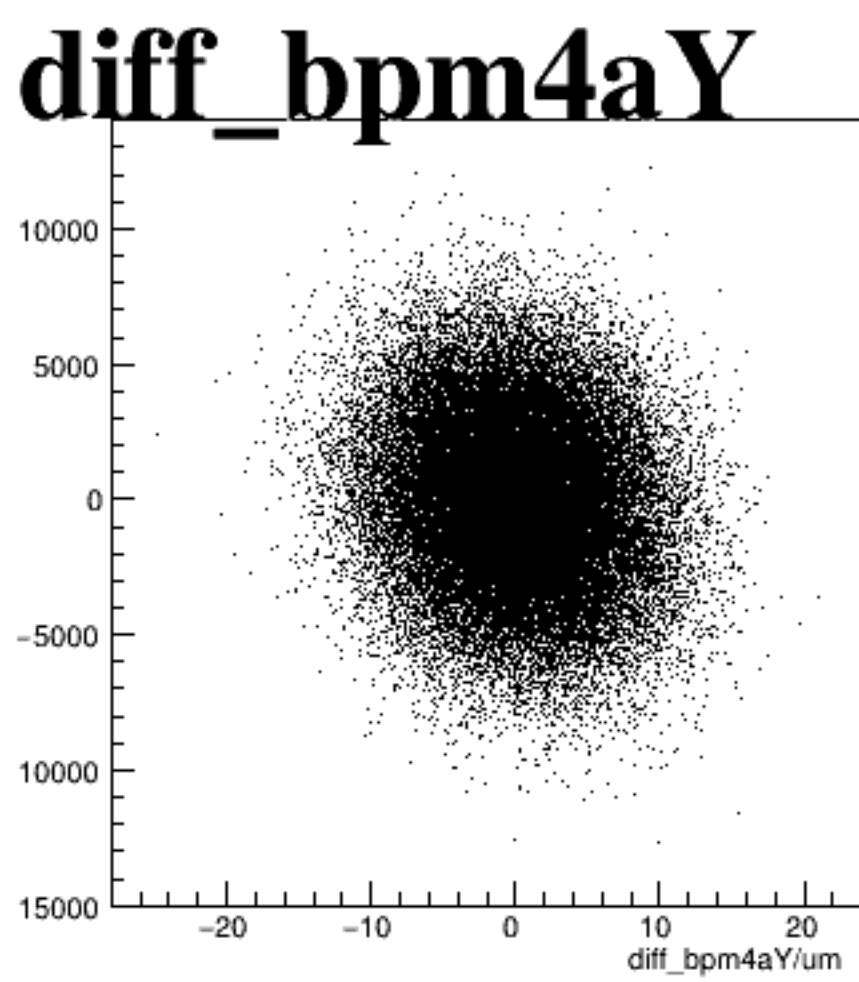
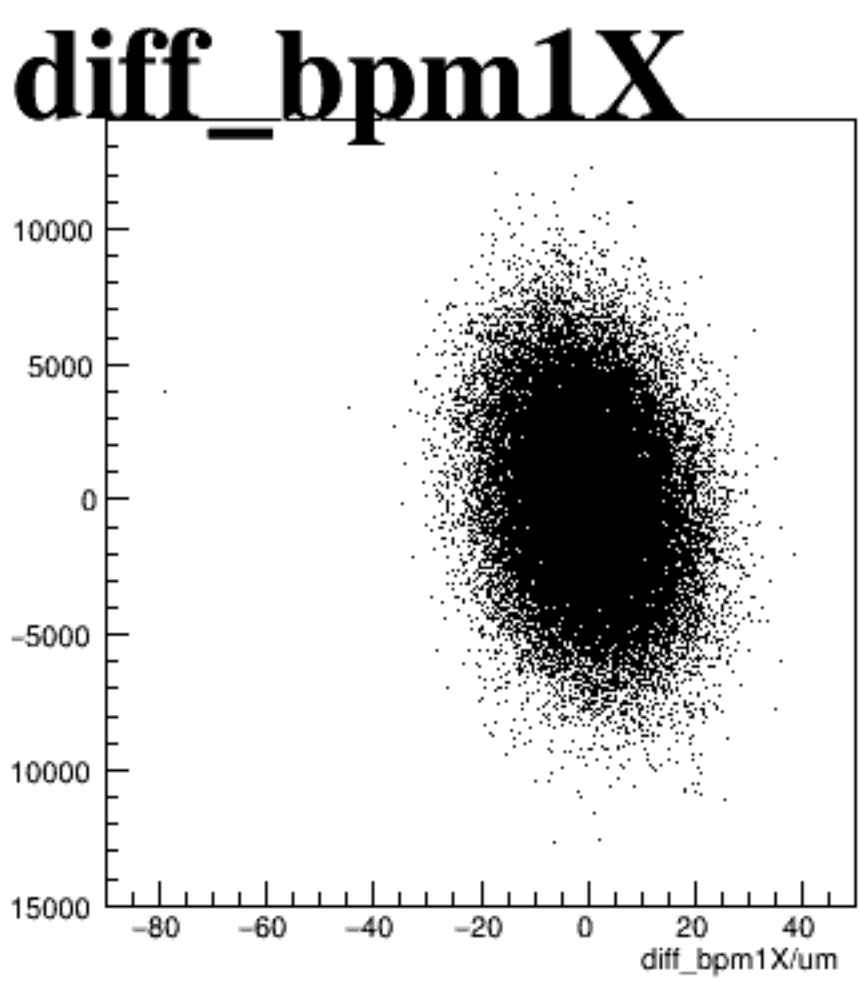
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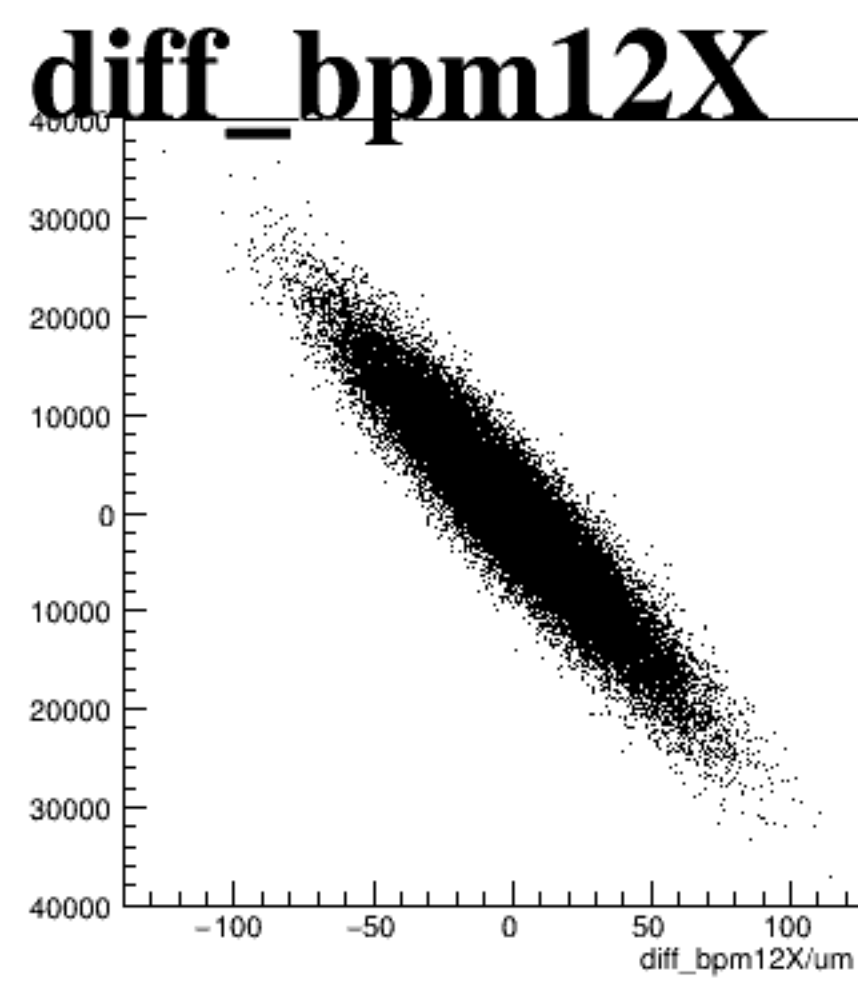
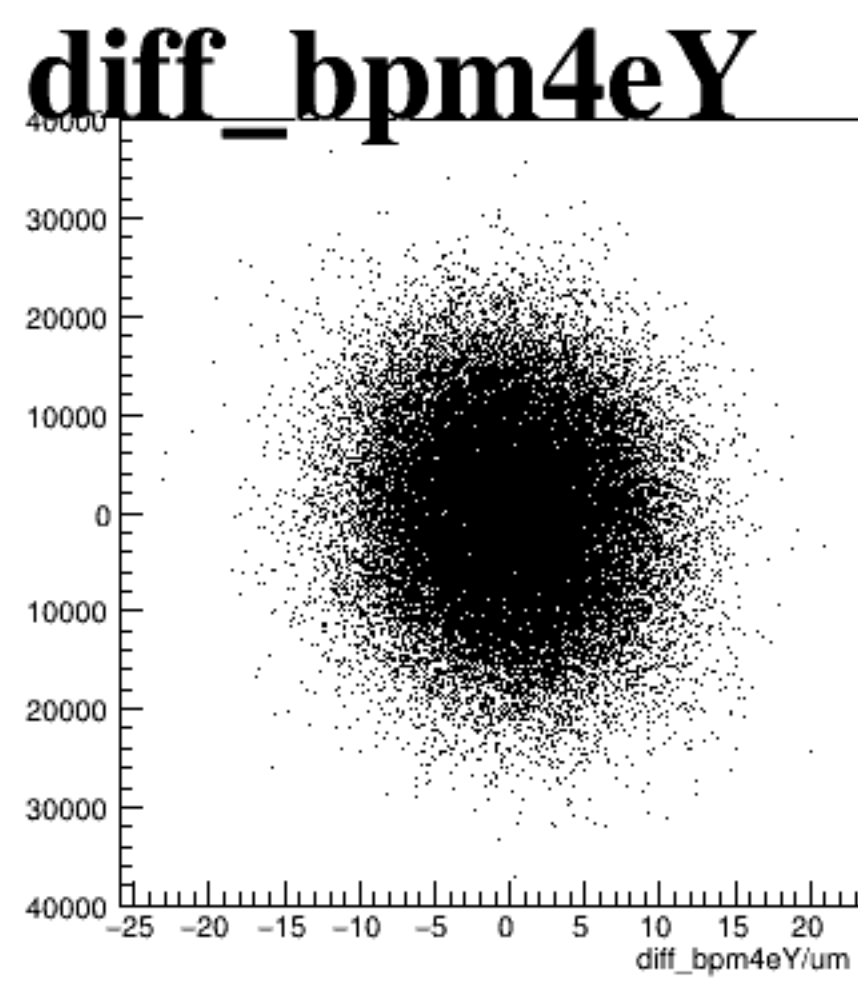
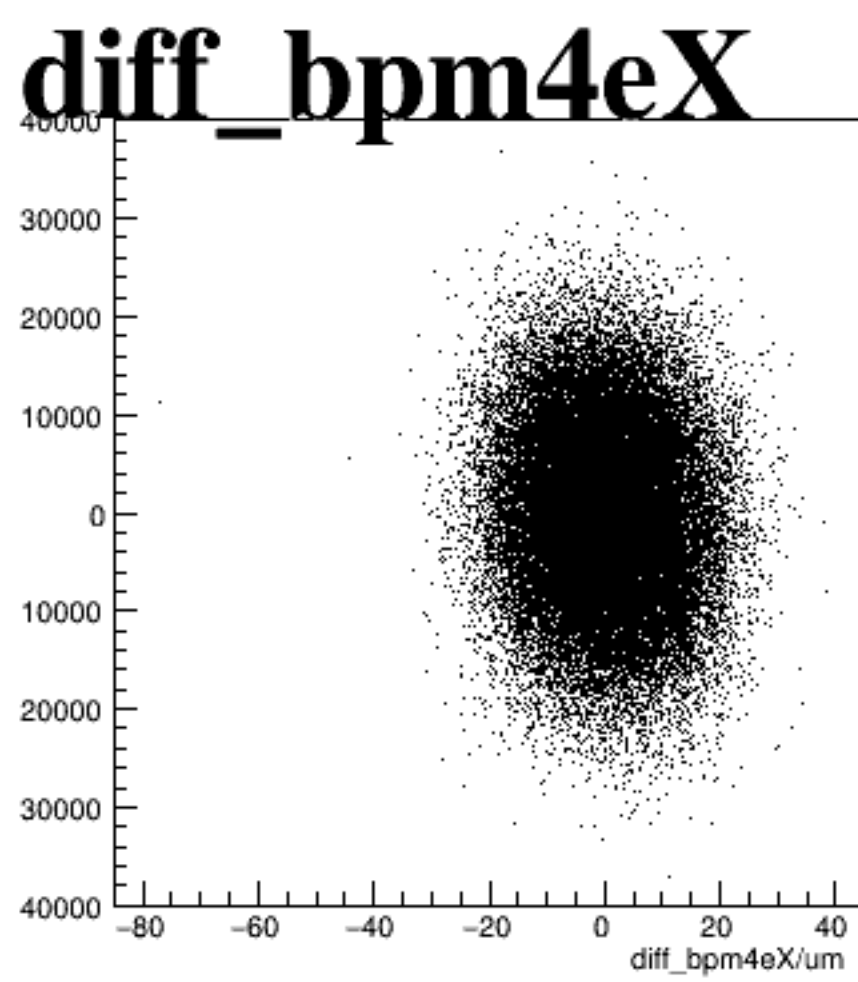
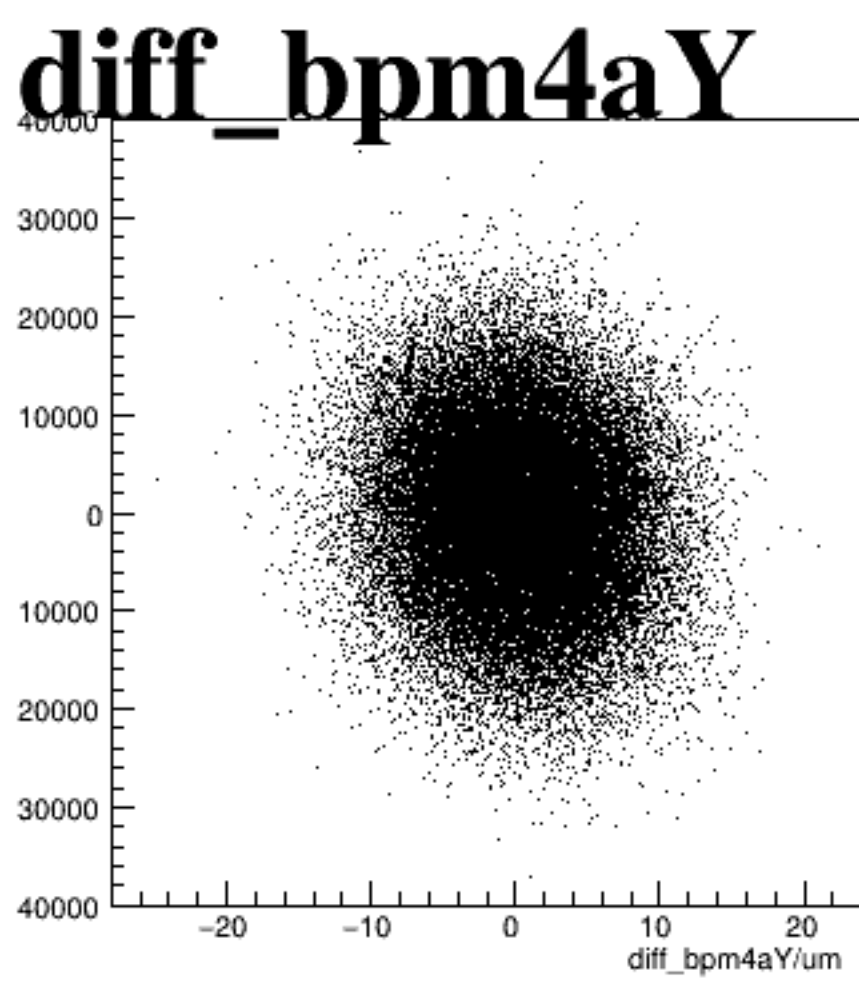
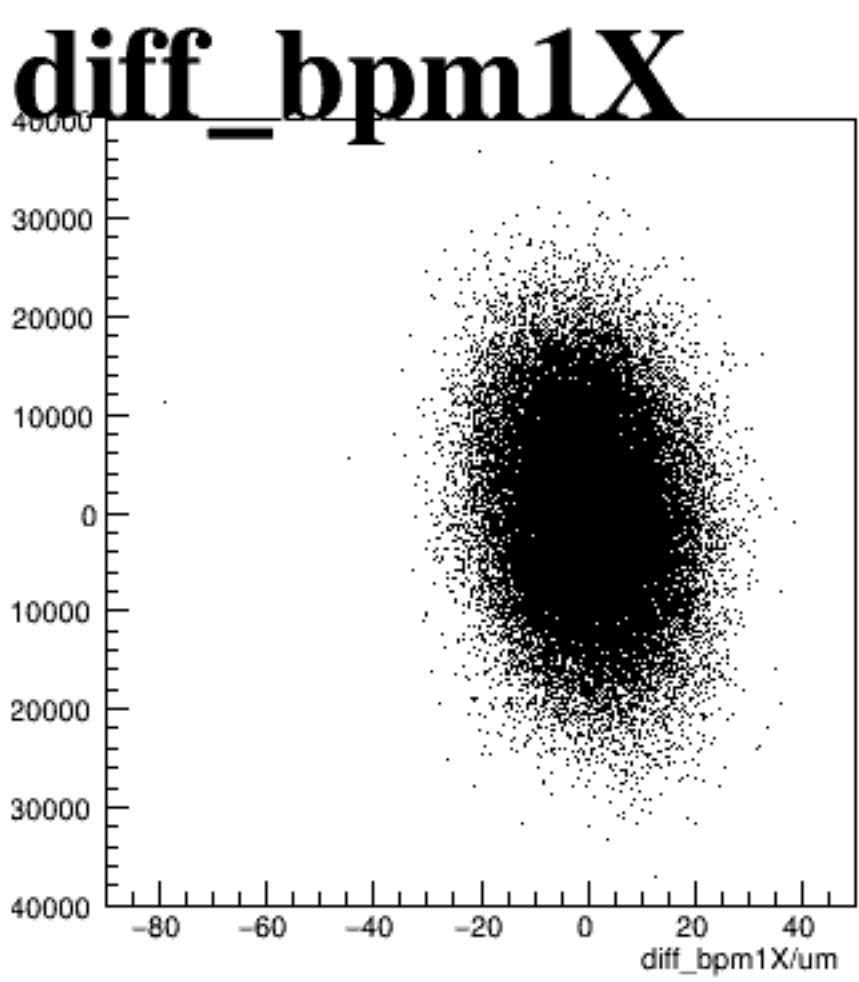
asym_atl1



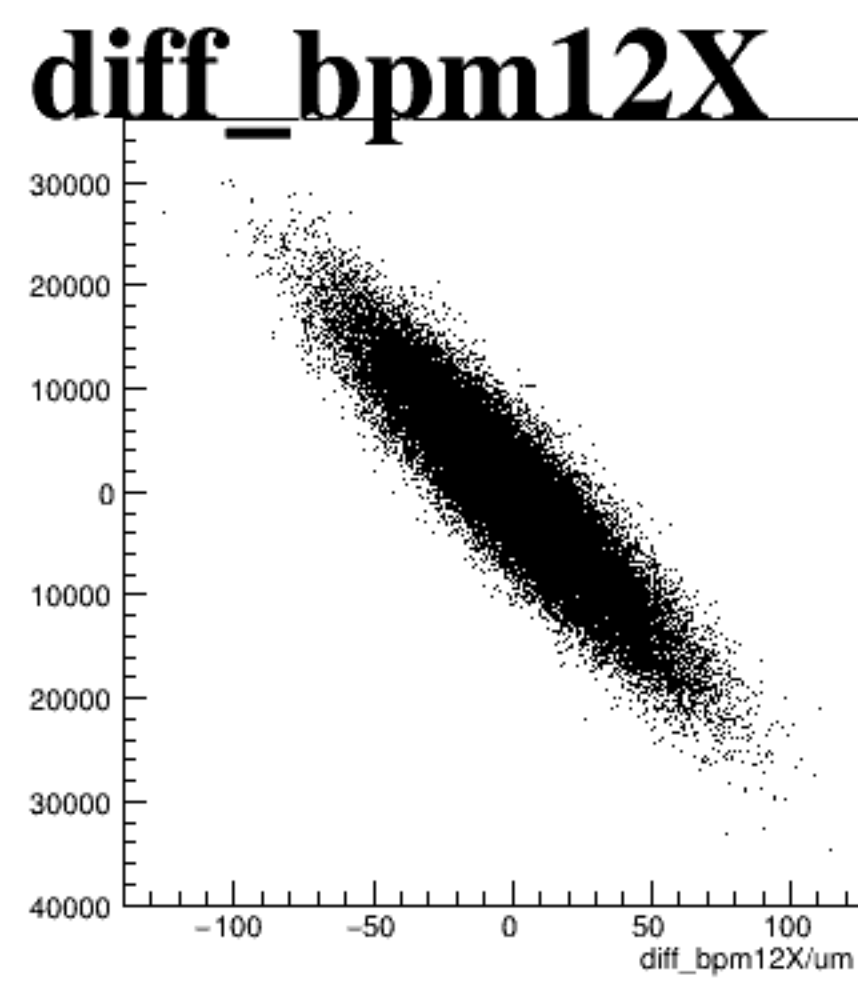
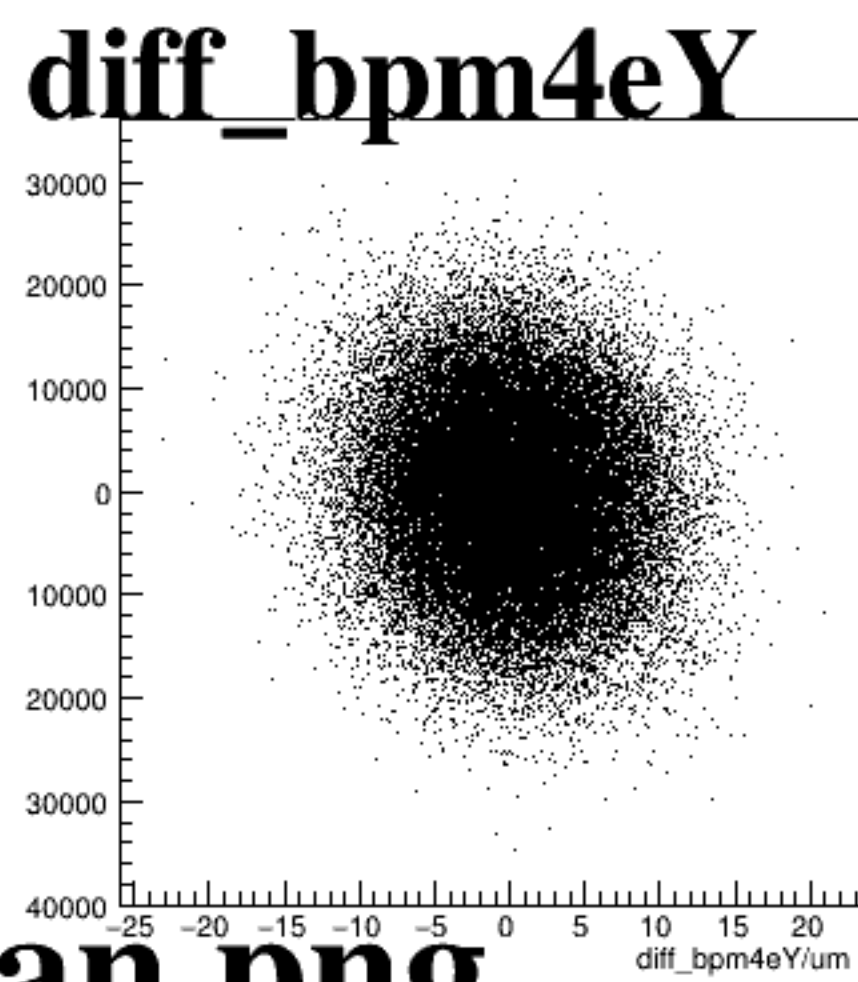
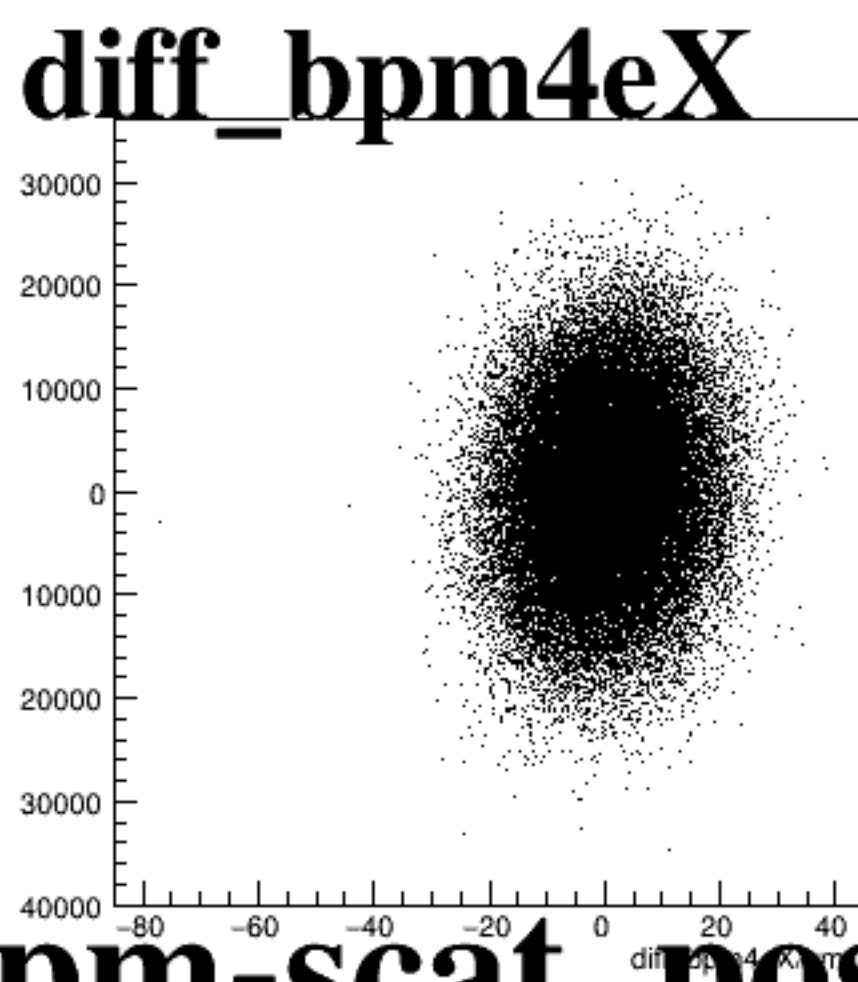
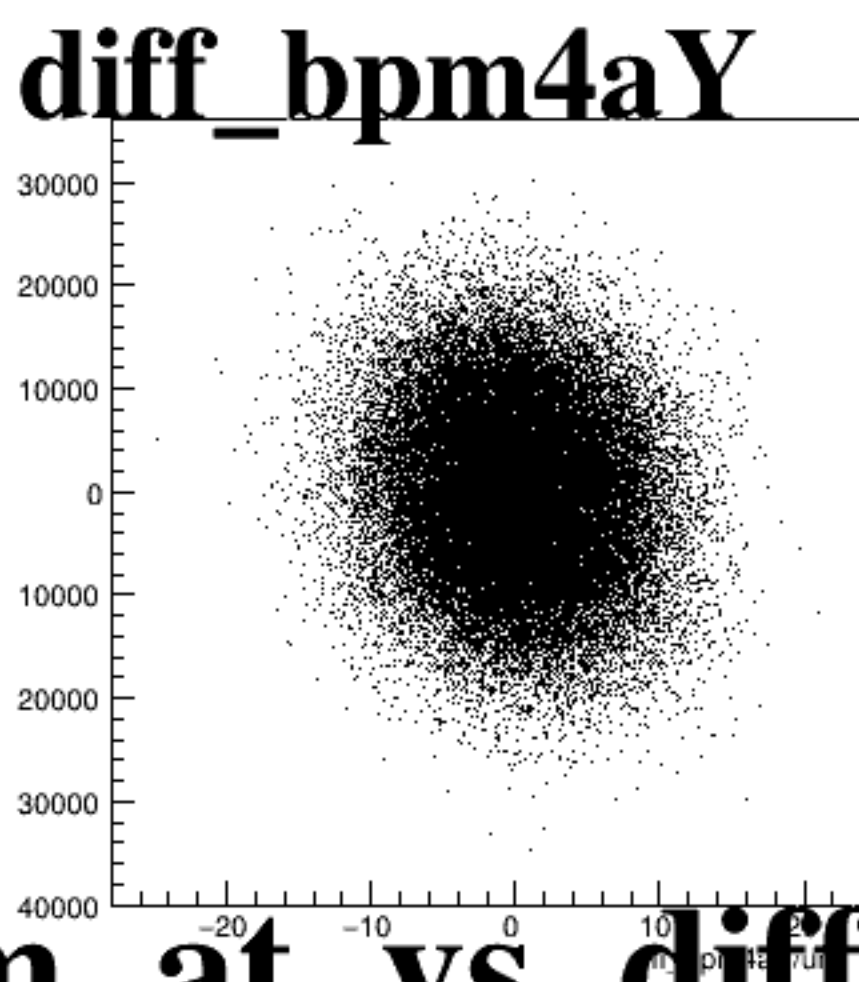
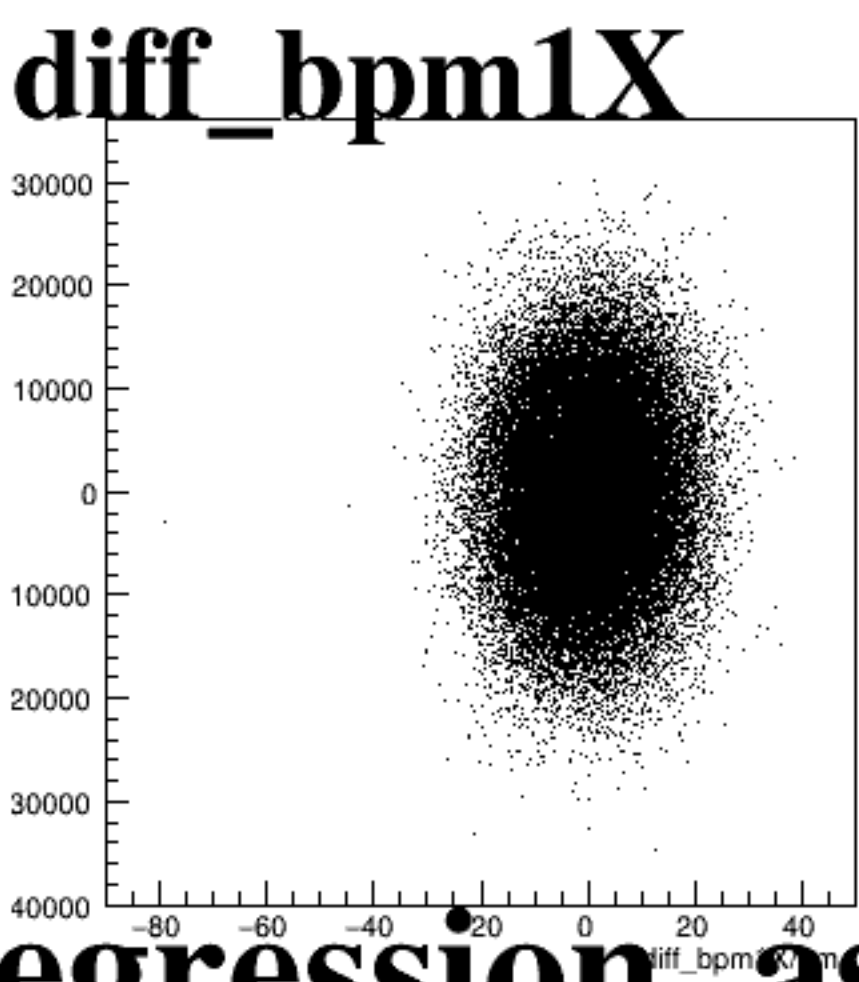
asym_atr1



asym_atl2



asym_atr2



The figure consists of five scatter plots arranged horizontally, each showing the distribution of a specific diffraction order. The y-axis for all plots ranges from -10000 to 10000. The x-axis for each plot represents a different diffraction order, with labels below the axis.

- diff_bpm1X**: The x-axis ranges from -80 to 40. The distribution is centered around 0.
- diff_bpm4aY**: The x-axis ranges from -20 to 20. The distribution is centered around 0.
- diff_bpm4eX**: The x-axis ranges from -80 to 40. The distribution is centered around 0.
- diff_bpm4eY**: The x-axis ranges from -25 to 20. The distribution is centered around 0.
- diff_bpm12X**: The x-axis ranges from -100 to 100. The distribution is centered around 0.

The figure displays five scatter plots comparing the difference between BPM measurements and regression results for various beam parameters. 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 high agreement between the two methods. The x-axis for all plots is labeled **diff_bpm[parameter]** and the y-axis is labeled **diff_regression[parameter]**. The axes ranges are: **diff_bpm1X** (x: -80 to 40, y: -10000 to 10000), **diff_bpm4aY** (x: -20 to 20, y: -10000 to 10000), **diff_bpm4eX** (x: -80 to 40, y: -10000 to 10000), **diff_bpm4eY** (x: -25 to 20, y: -10000 to 10000), and **diff_bpm12X** (x: -100 to 100, y: -10000 to 10000).