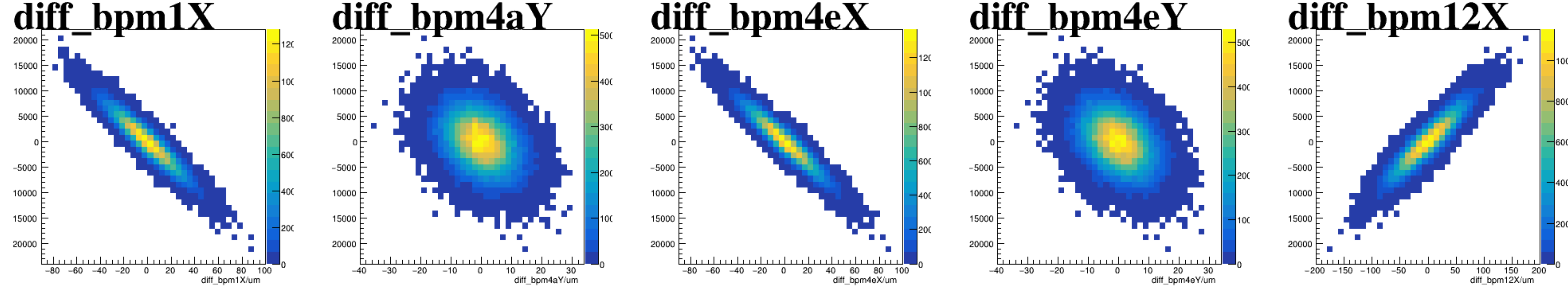
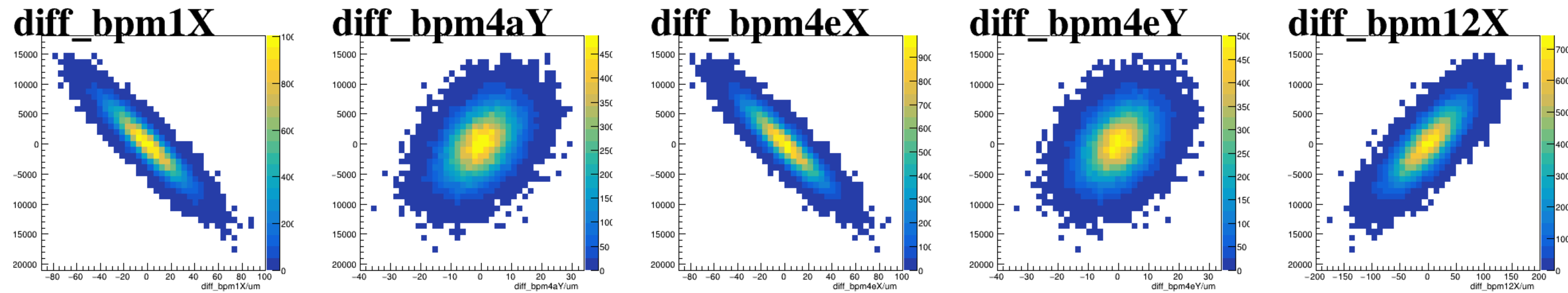


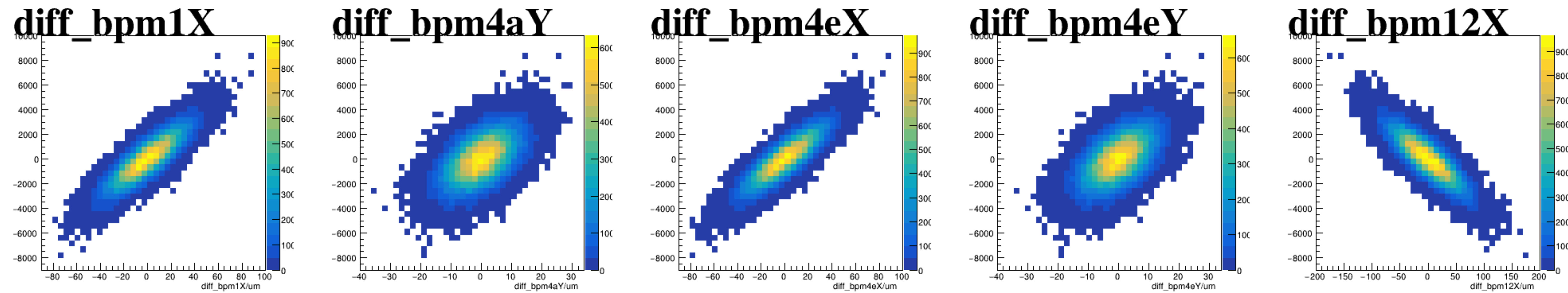
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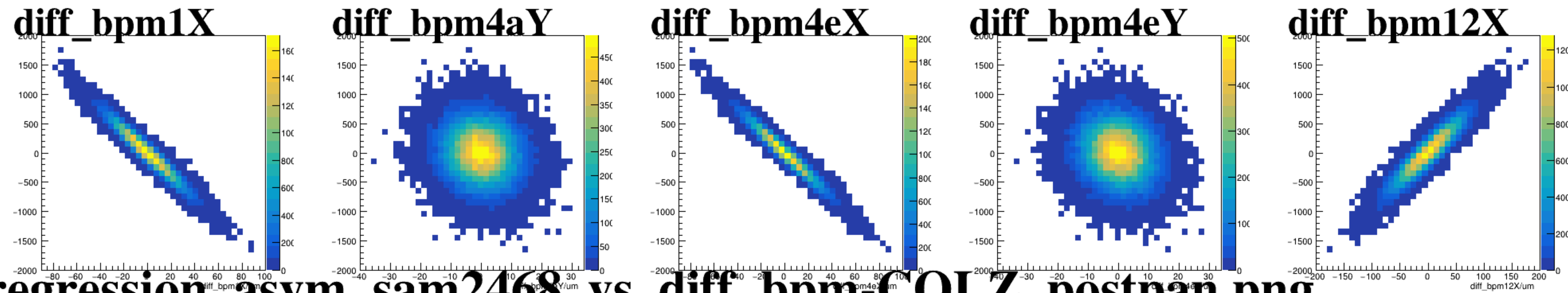
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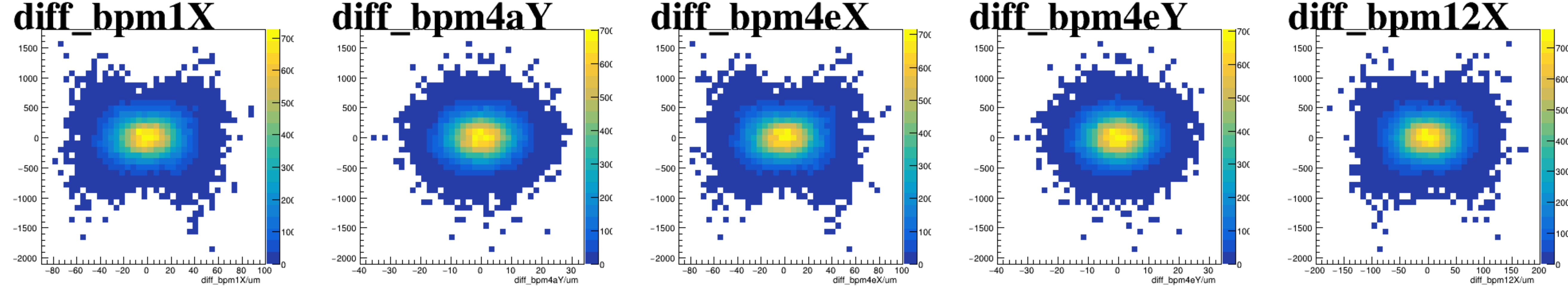
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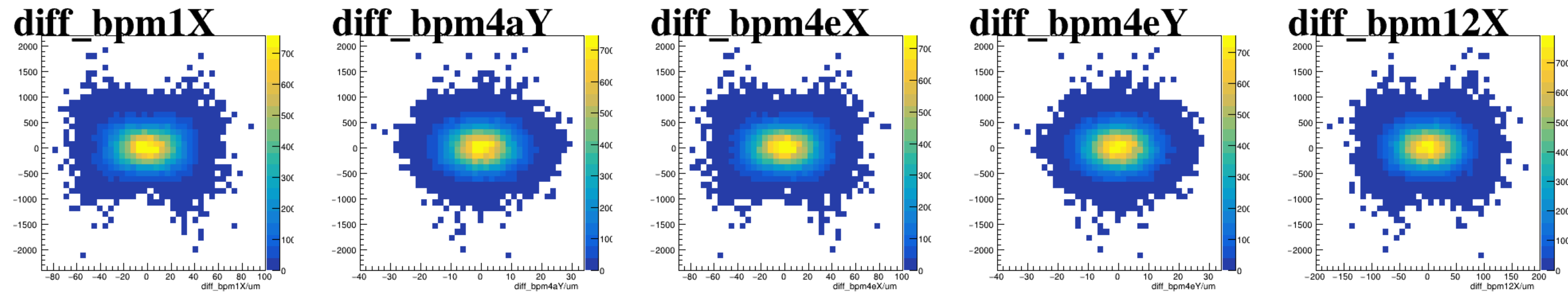
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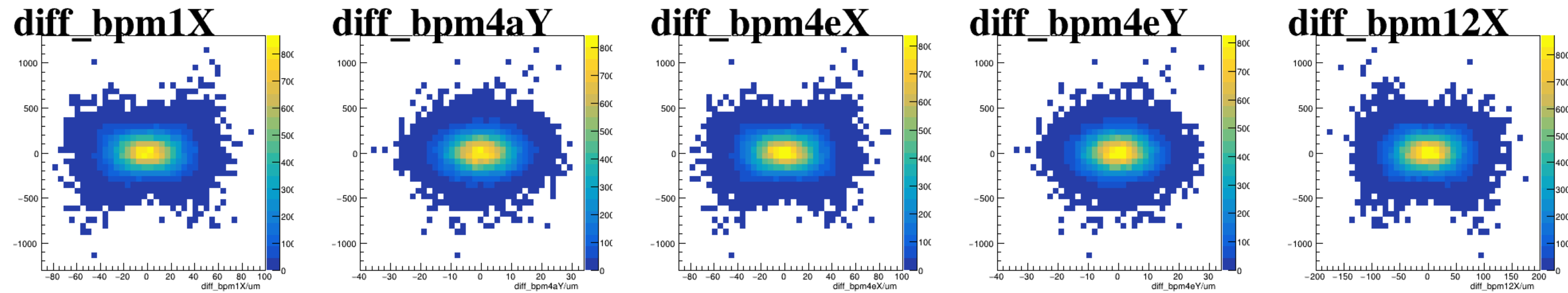
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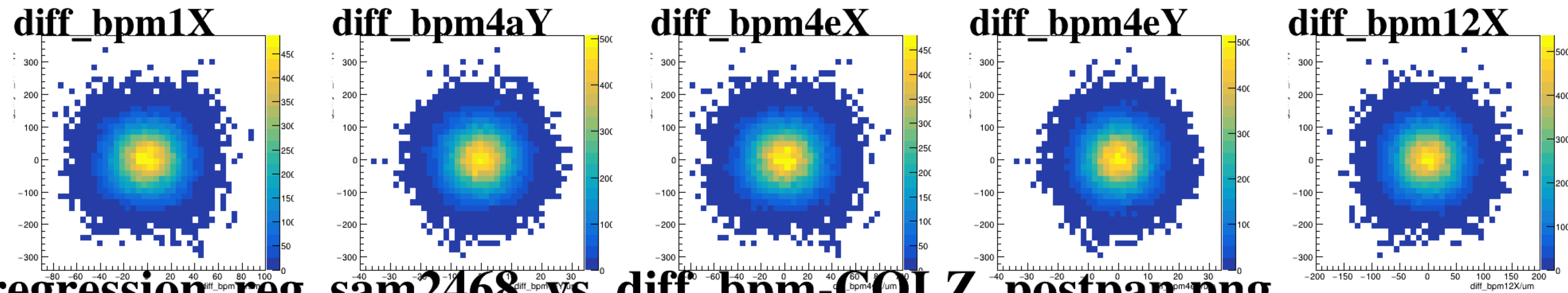
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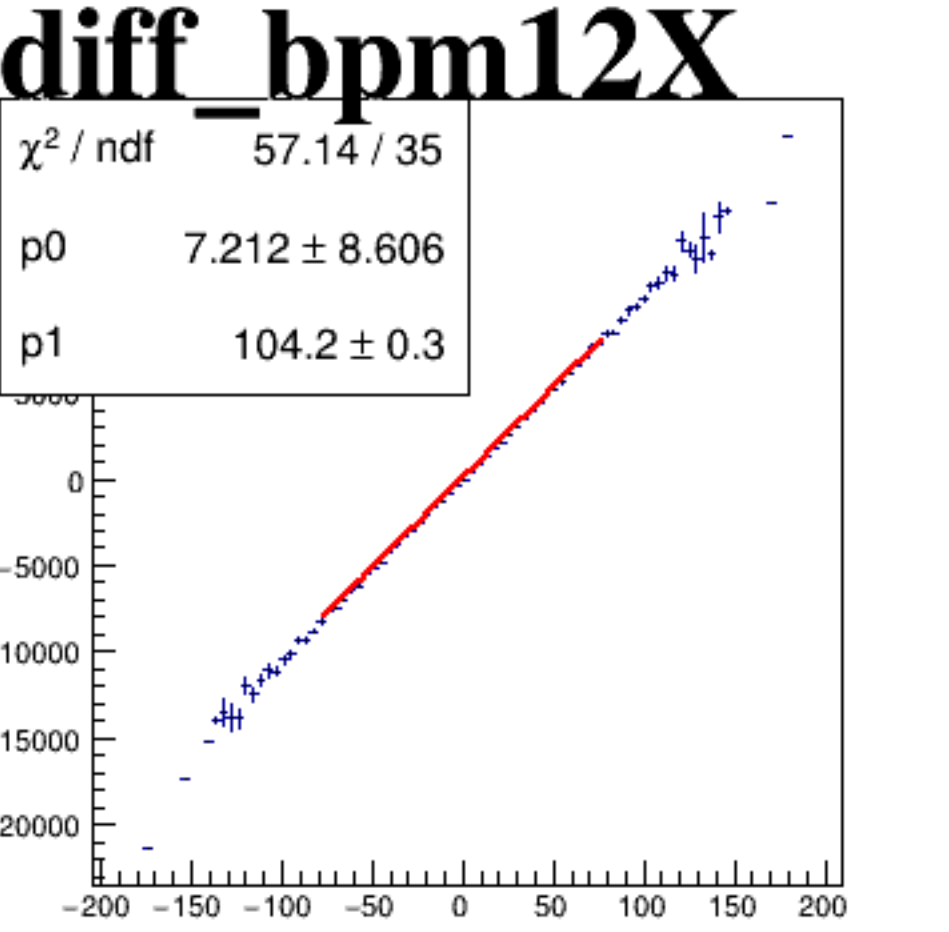
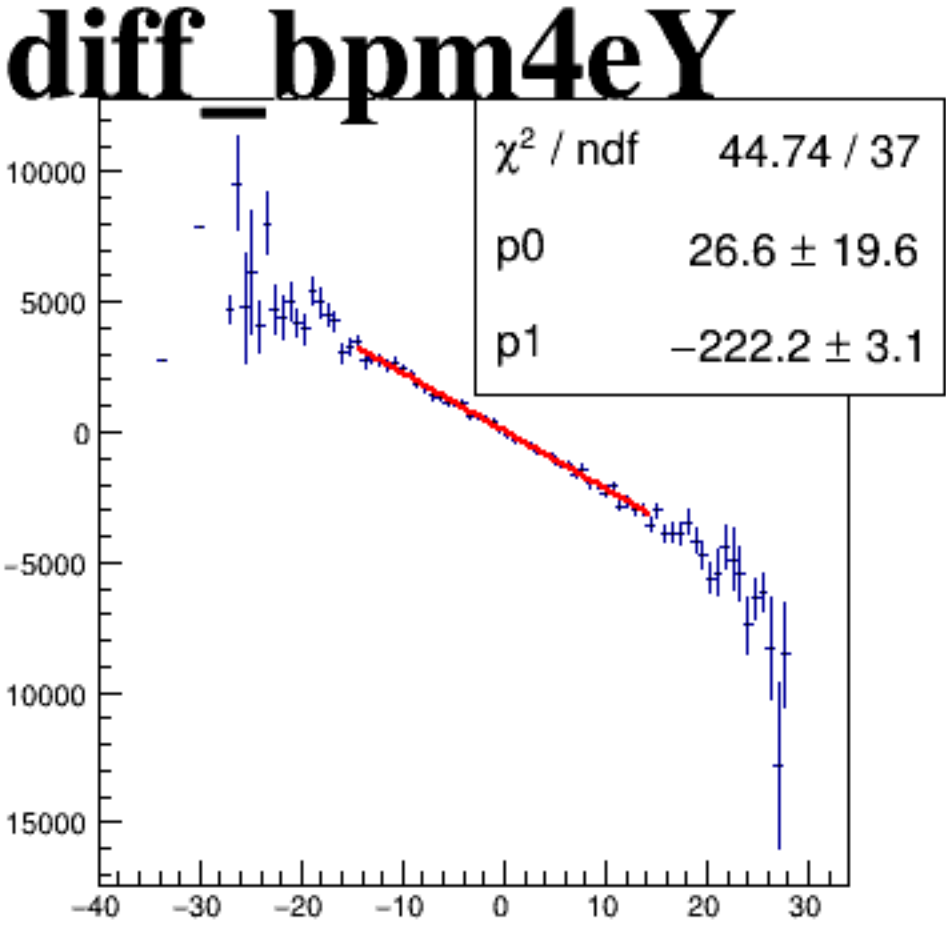
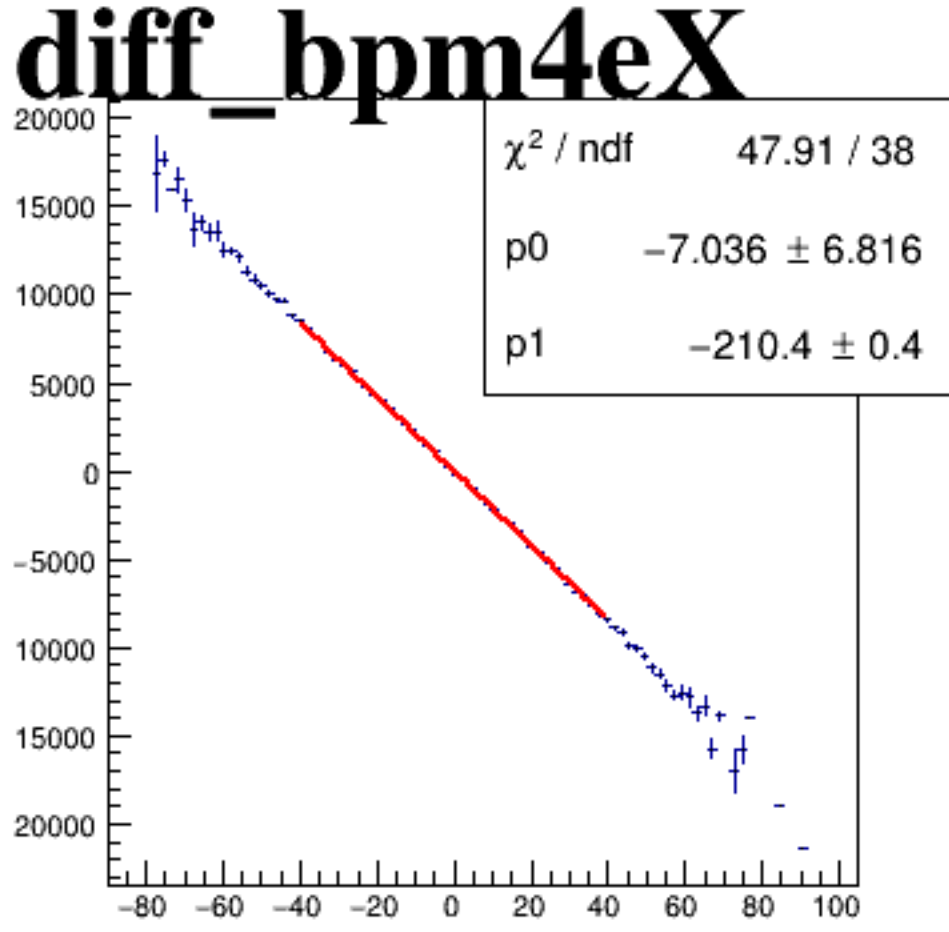
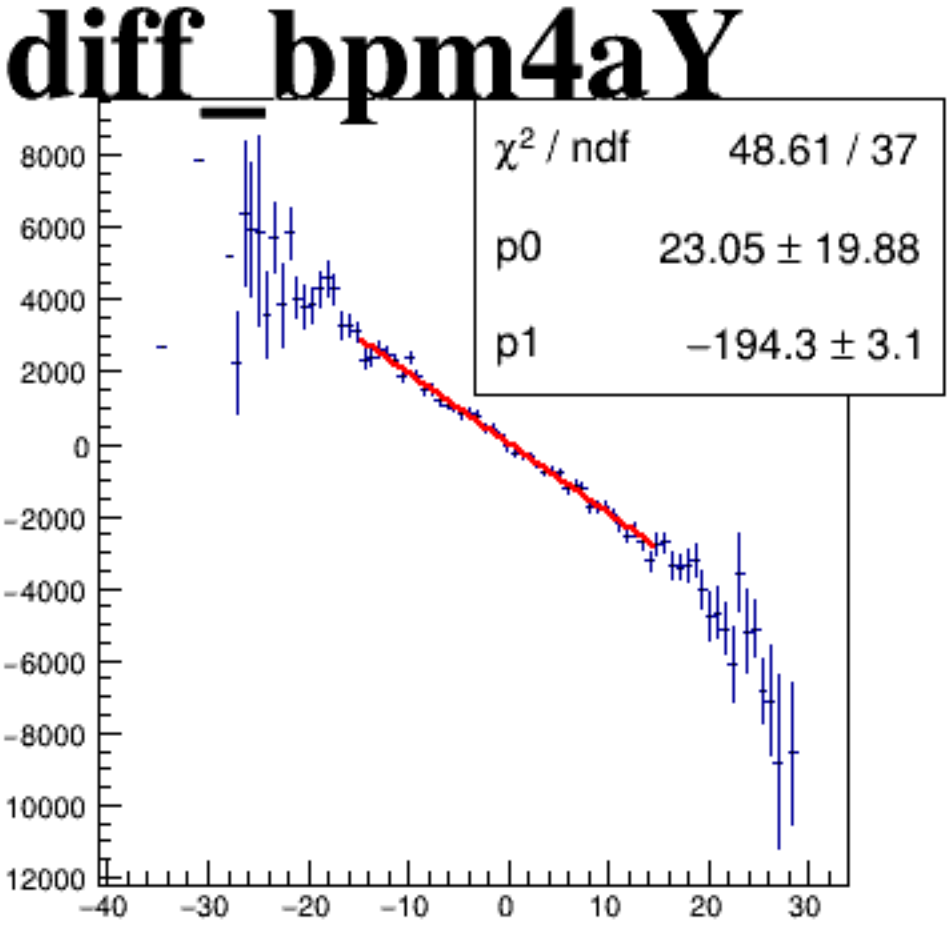
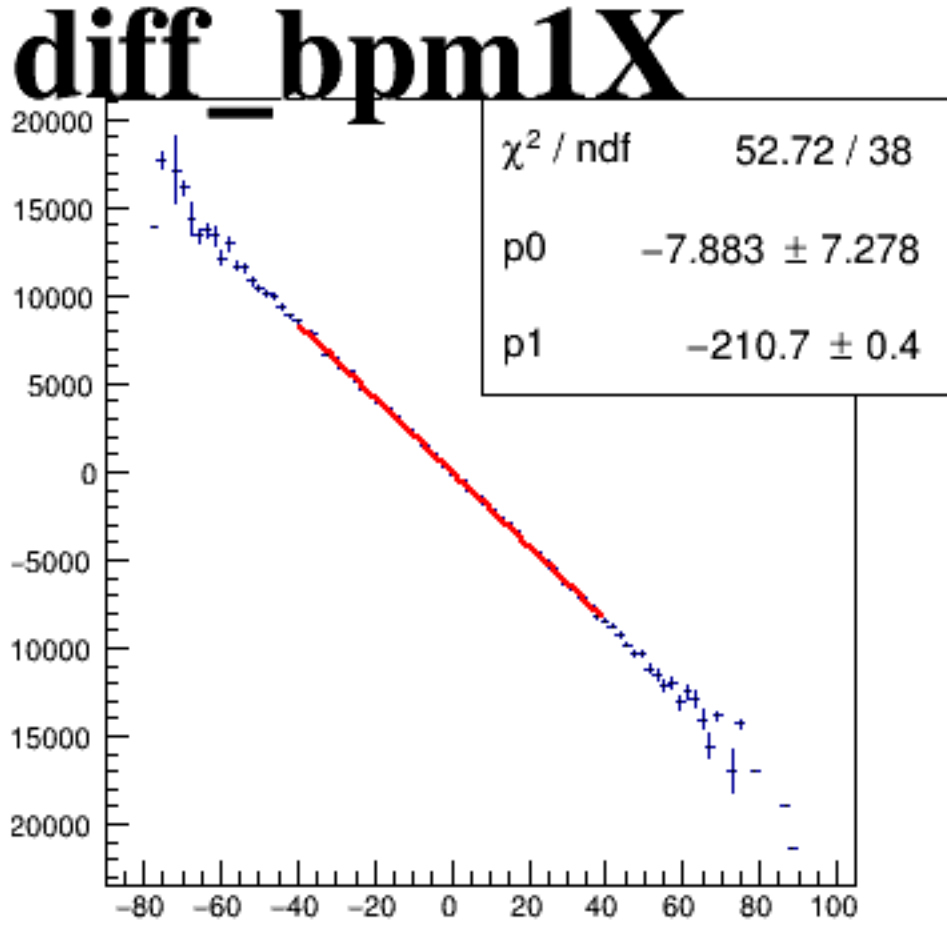
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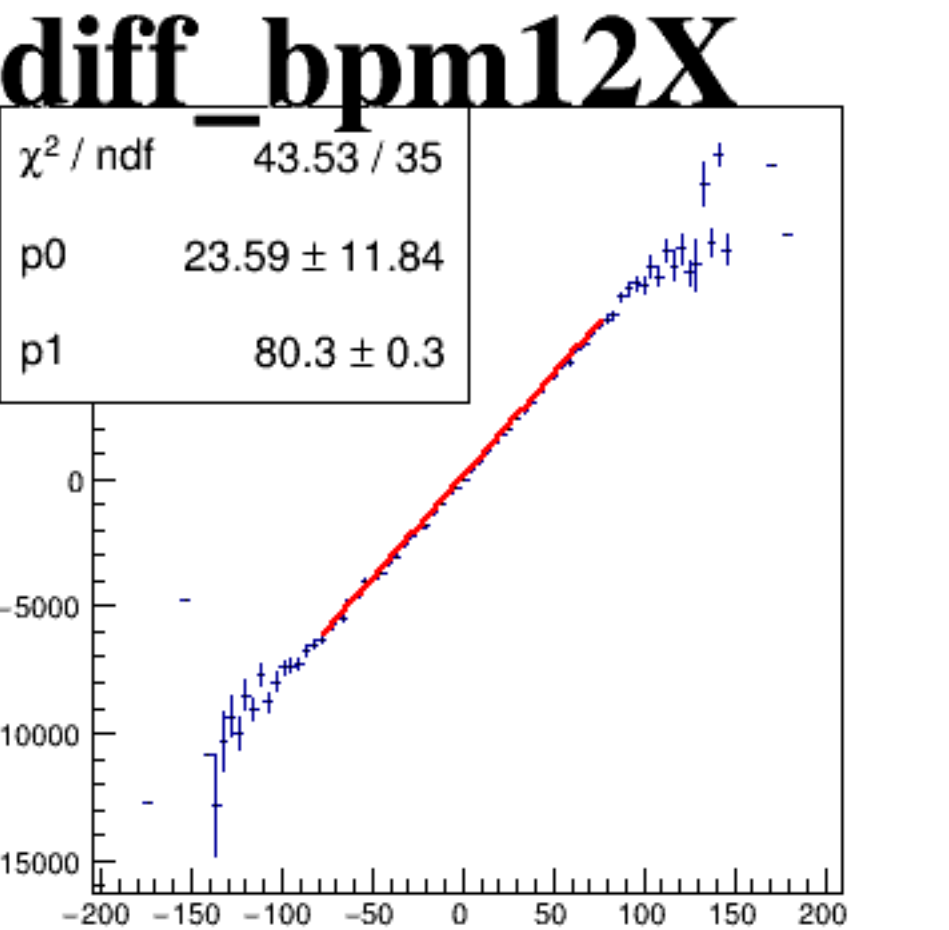
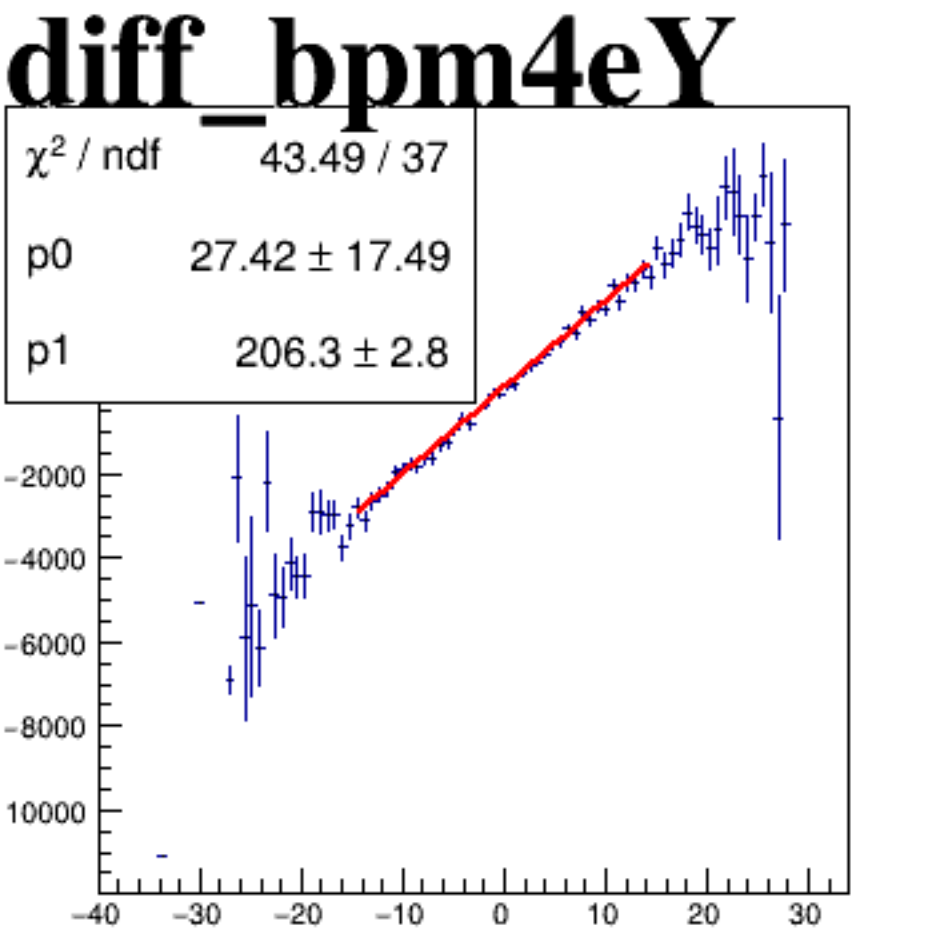
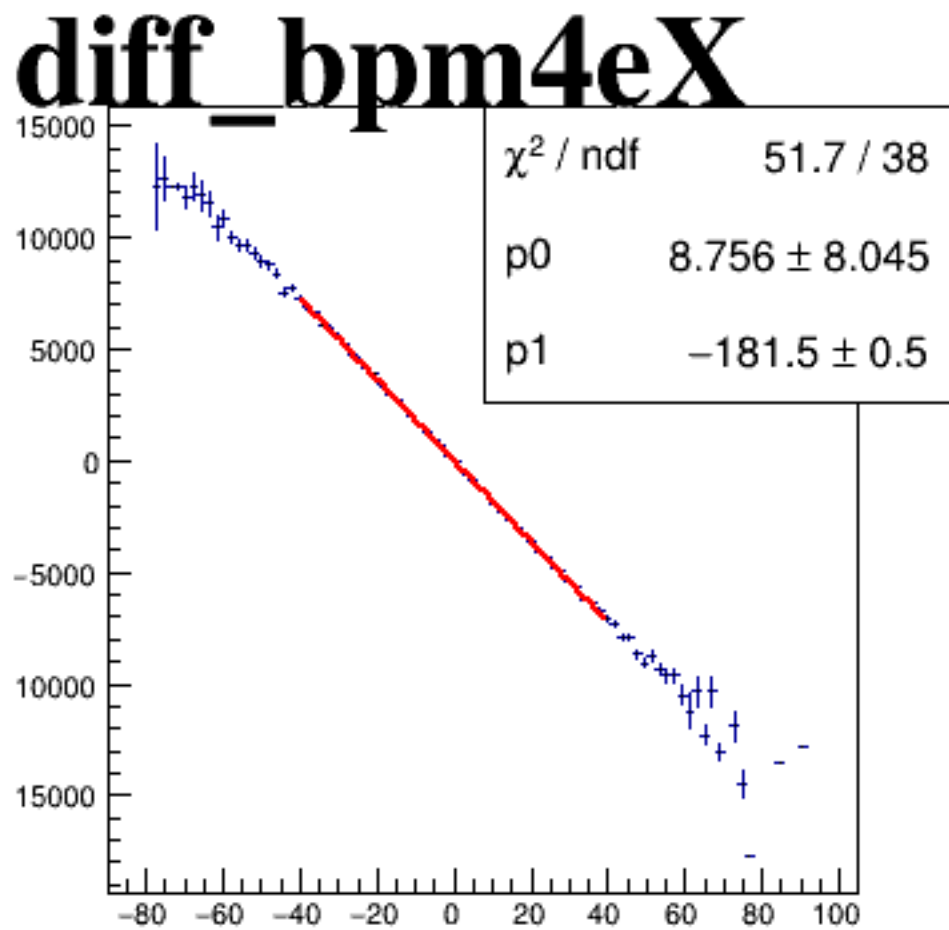
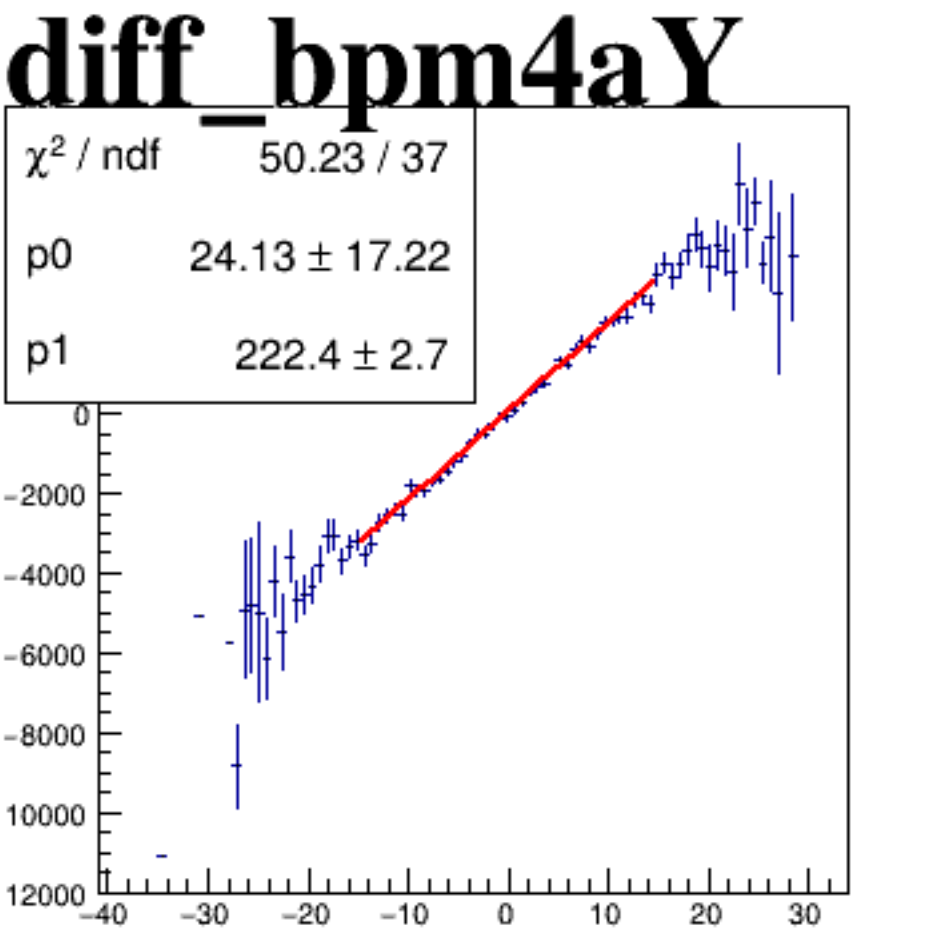
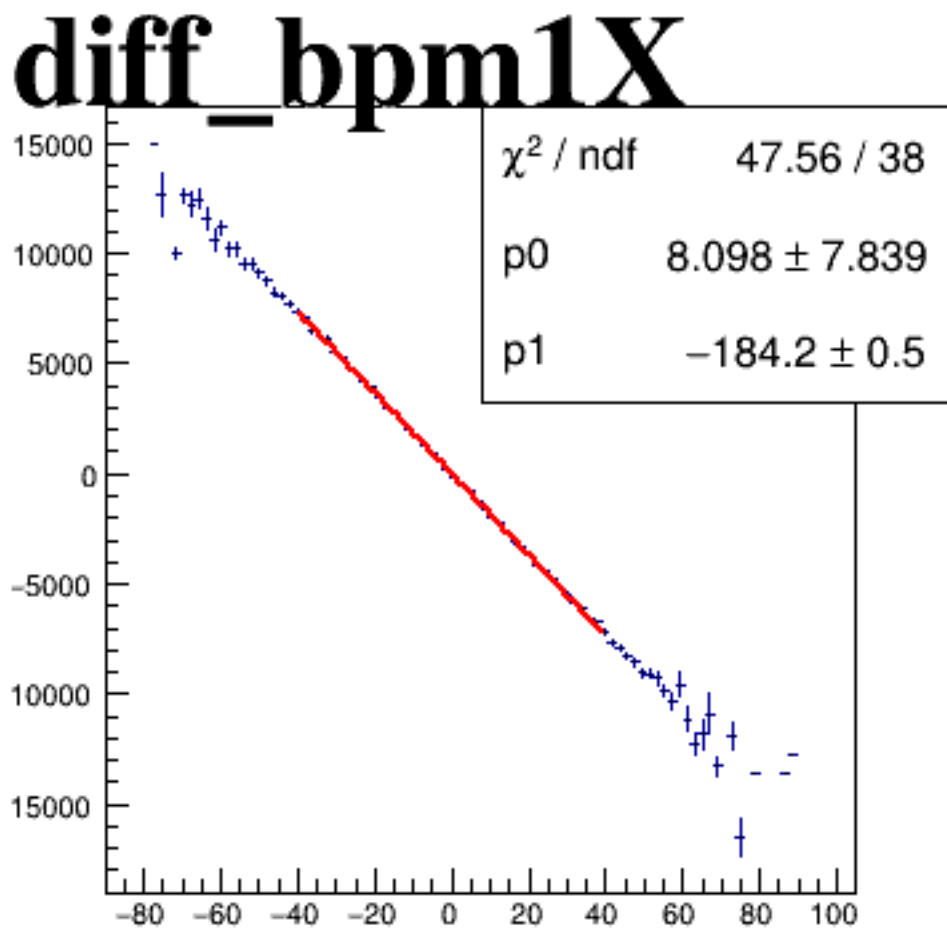
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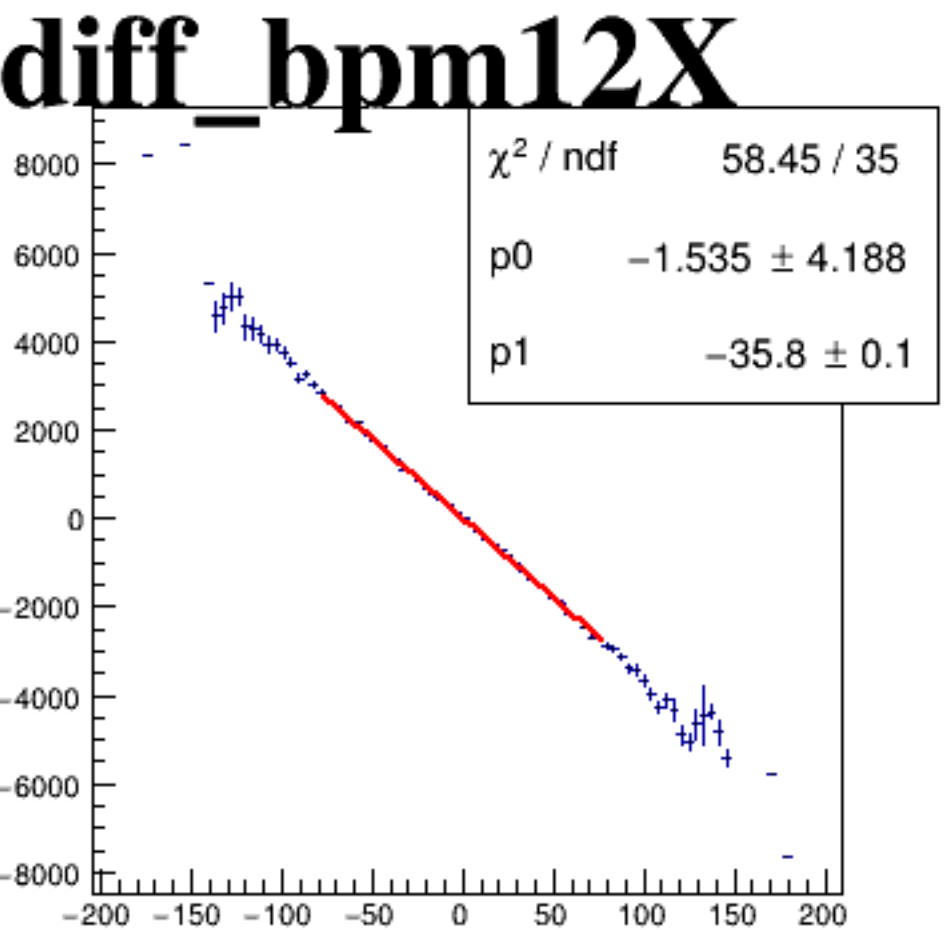
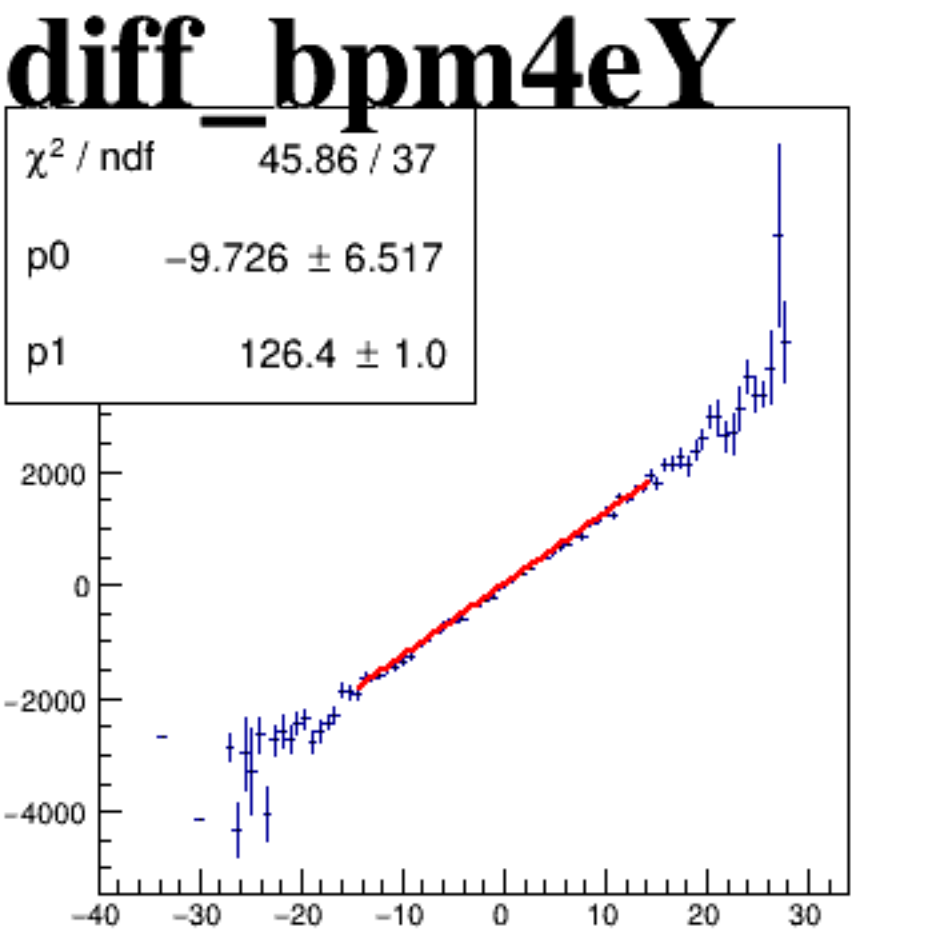
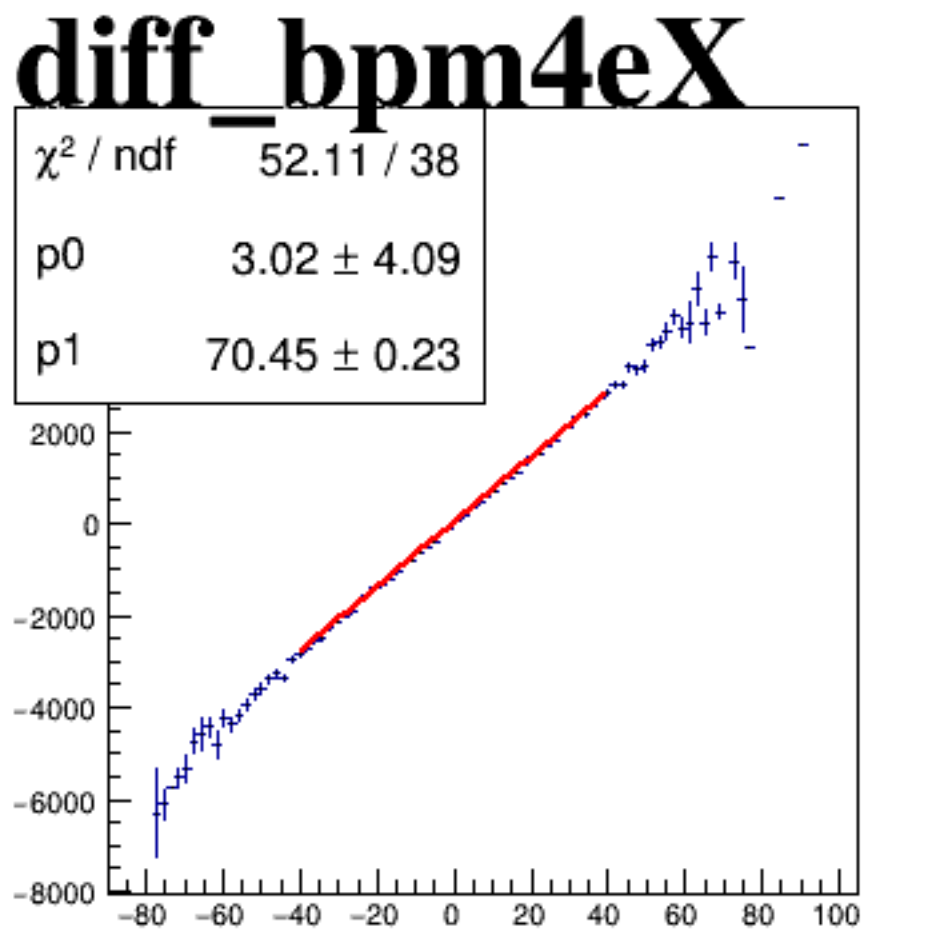
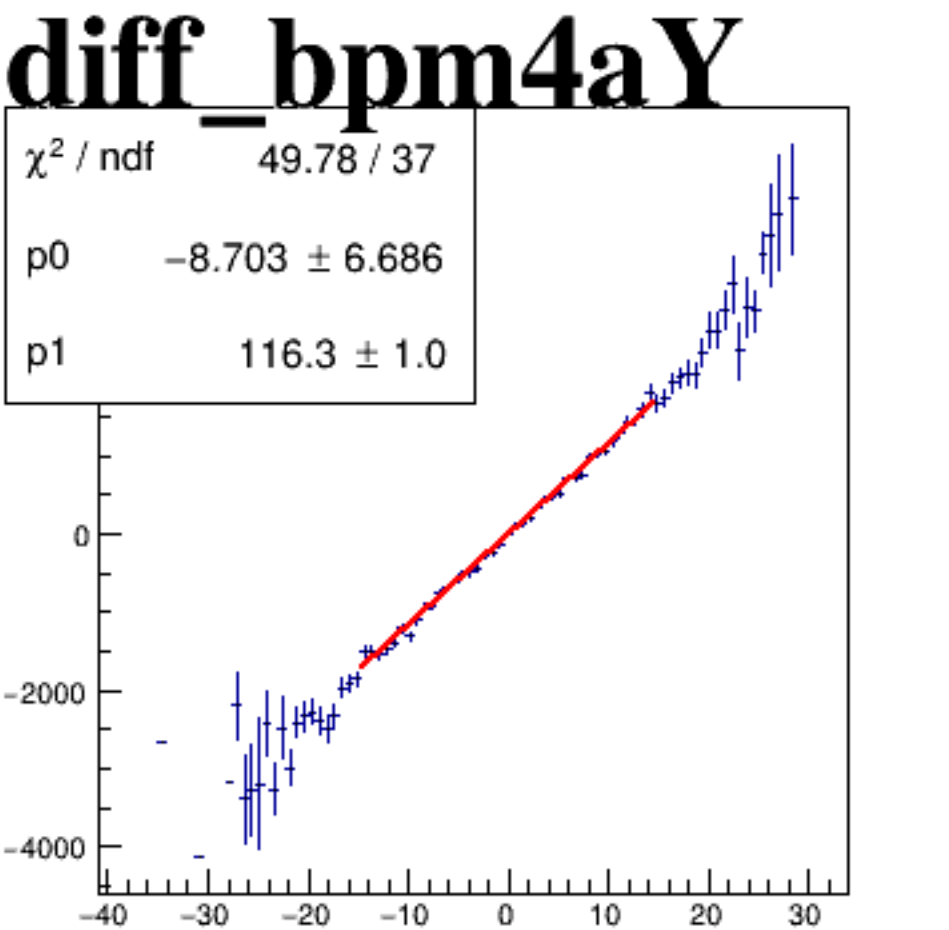
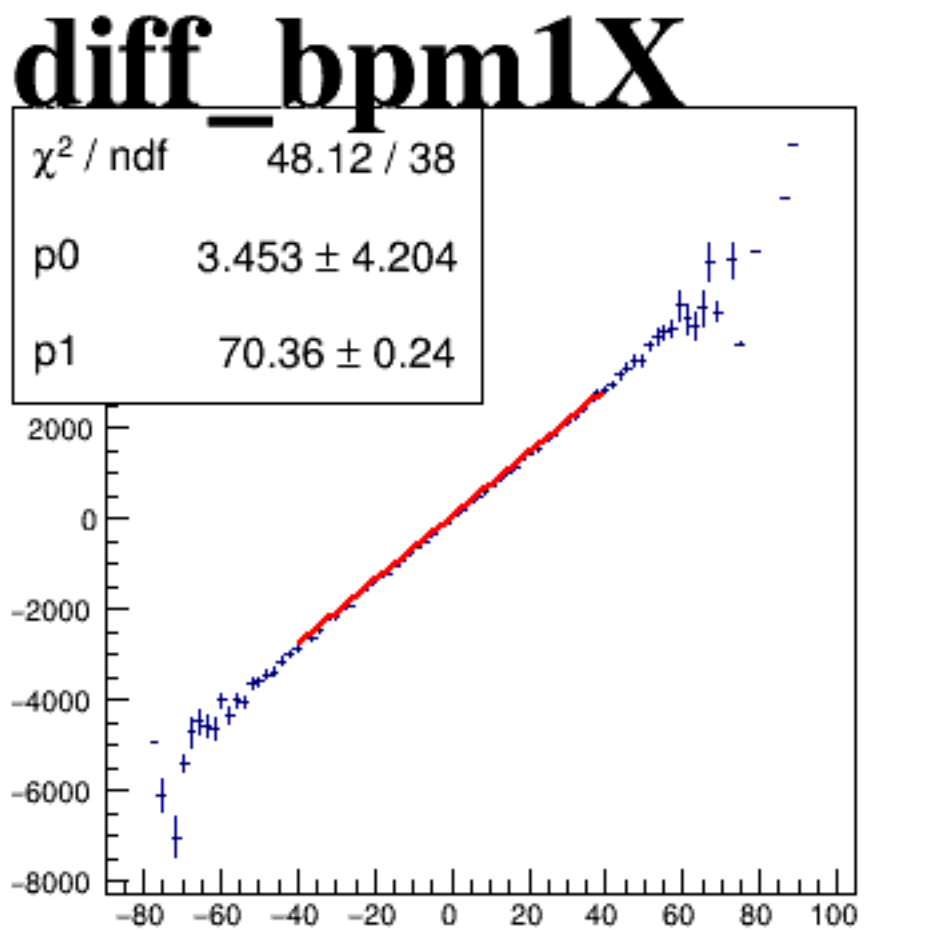
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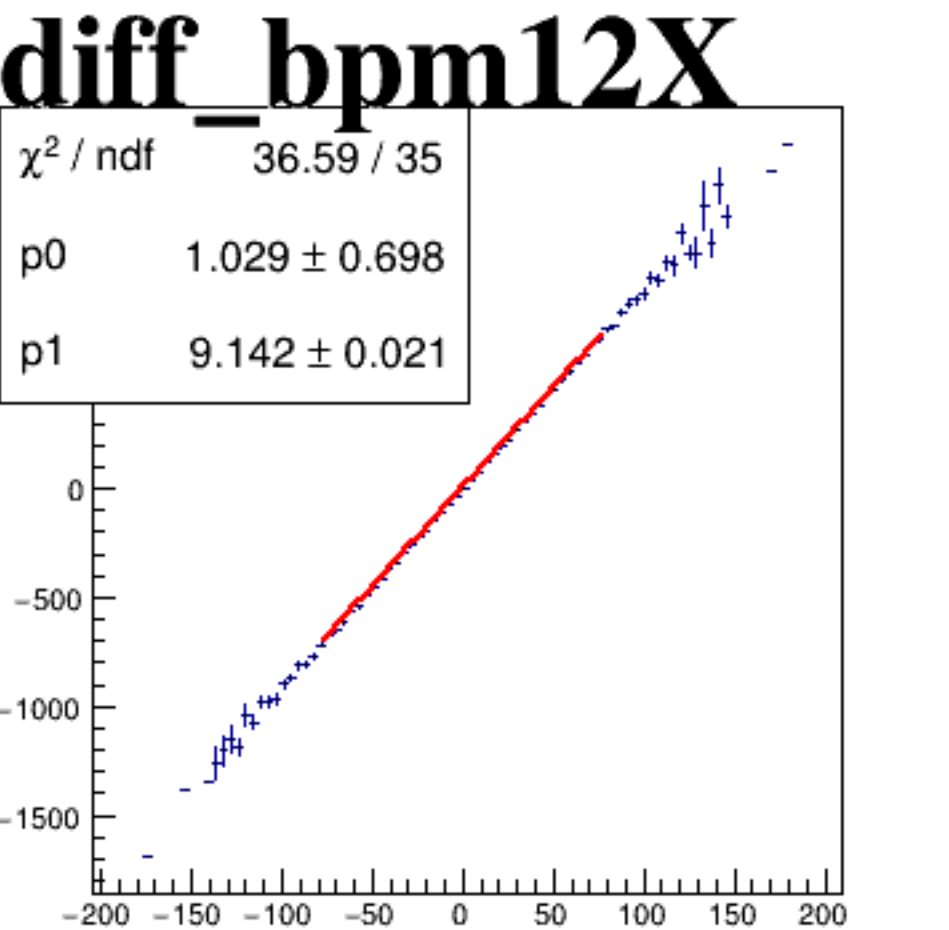
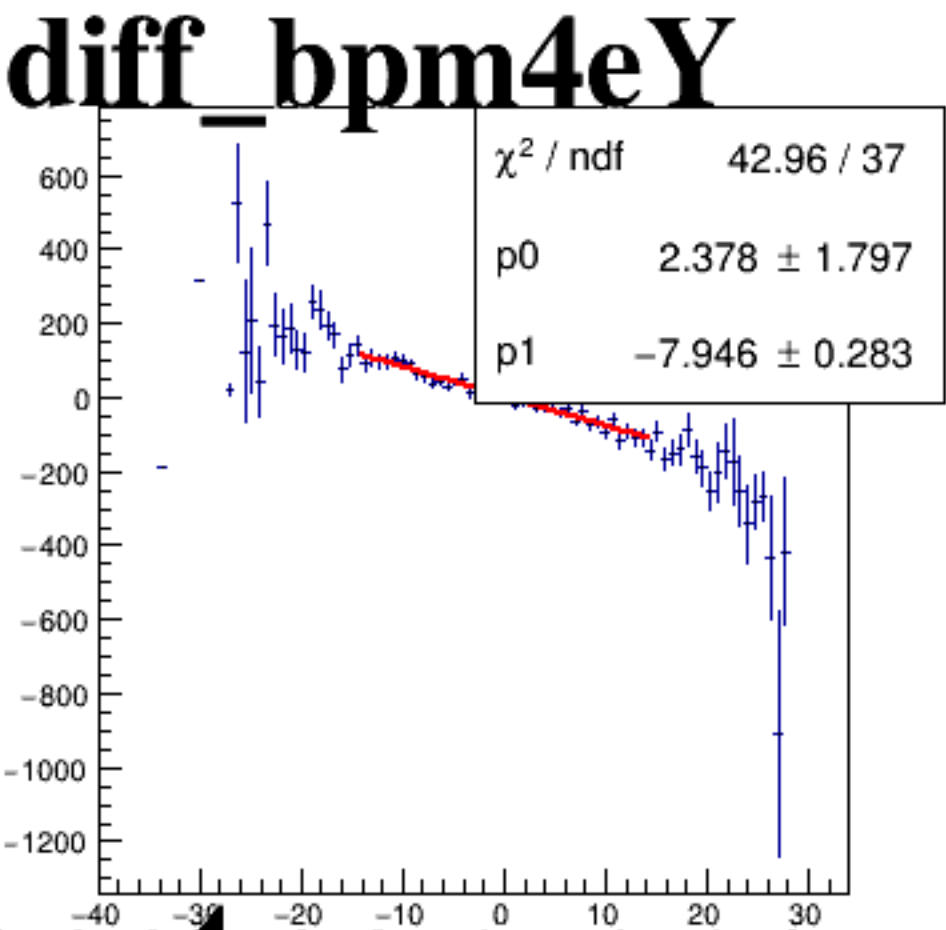
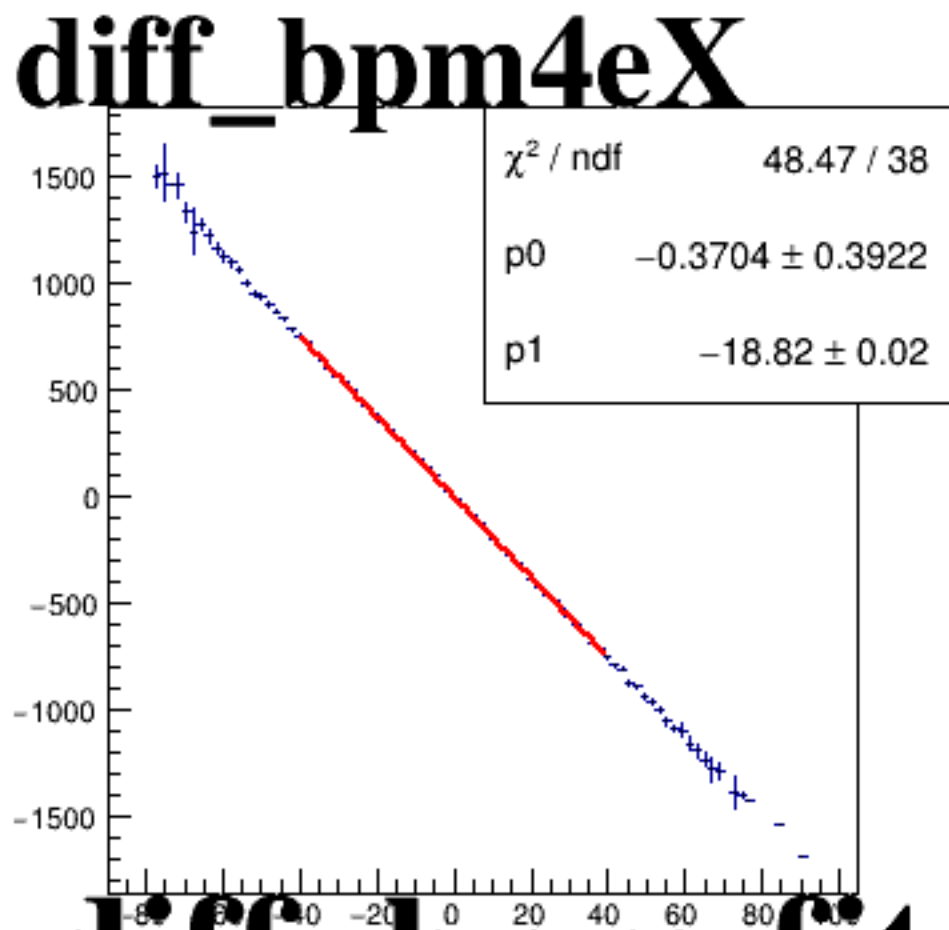
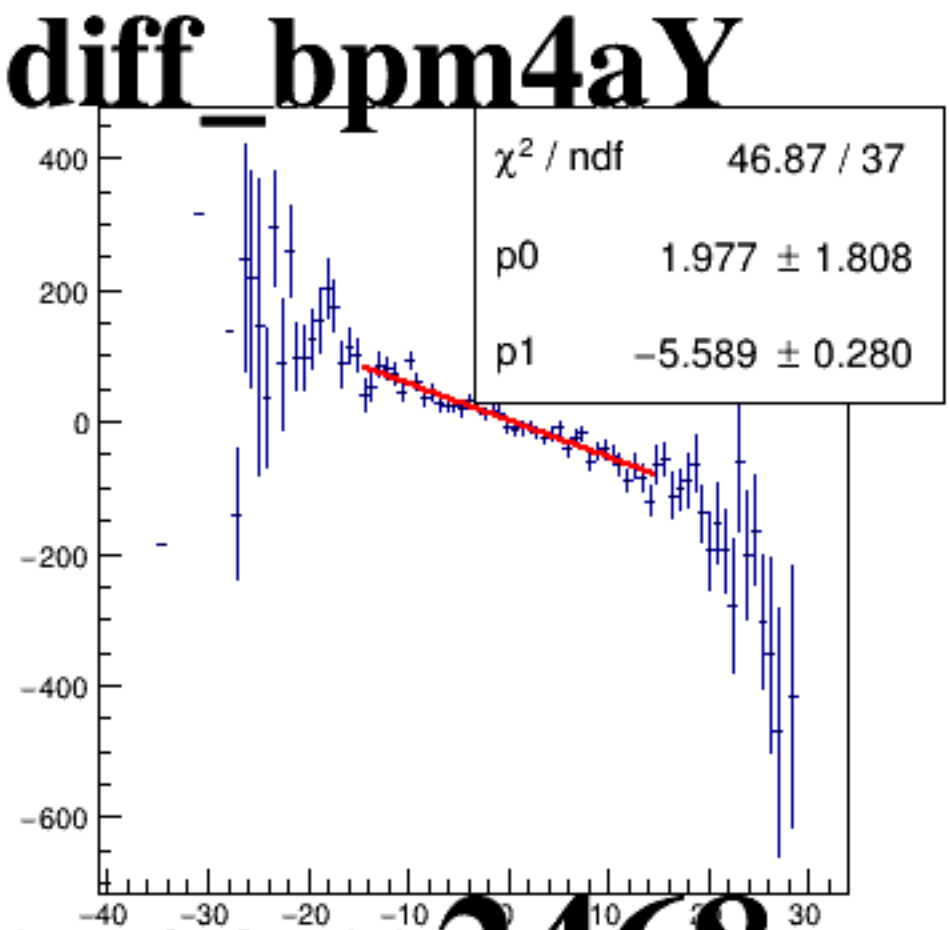
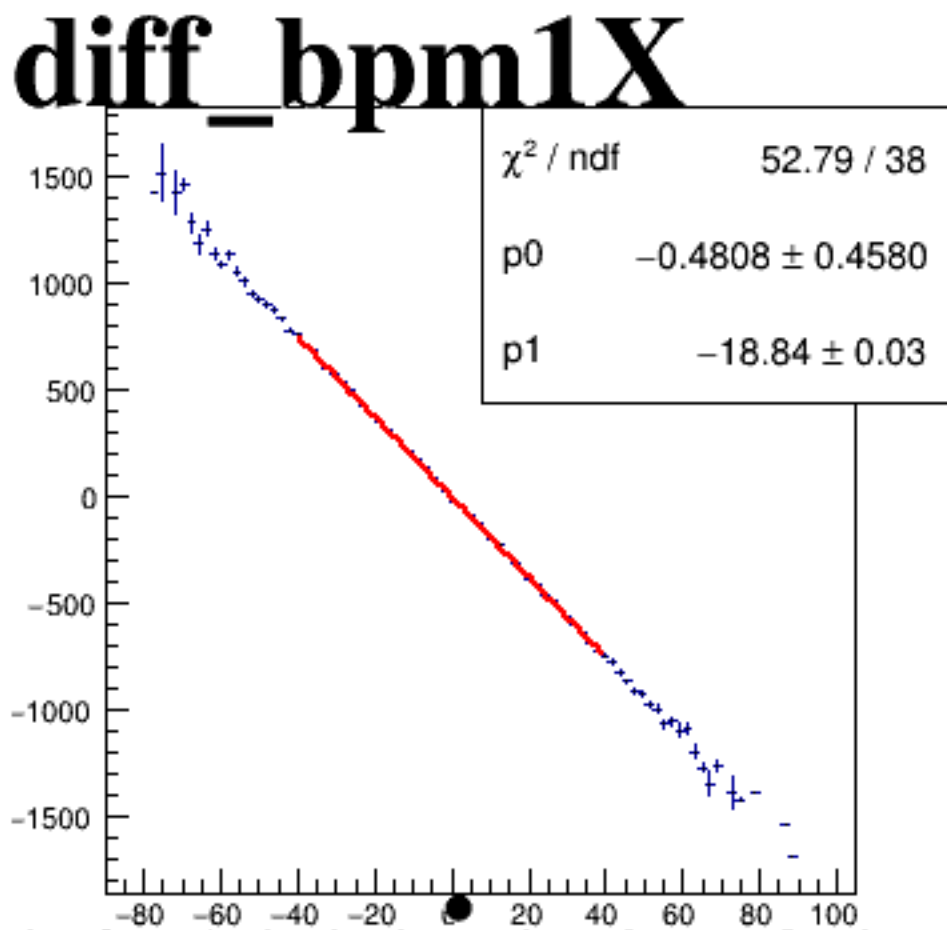
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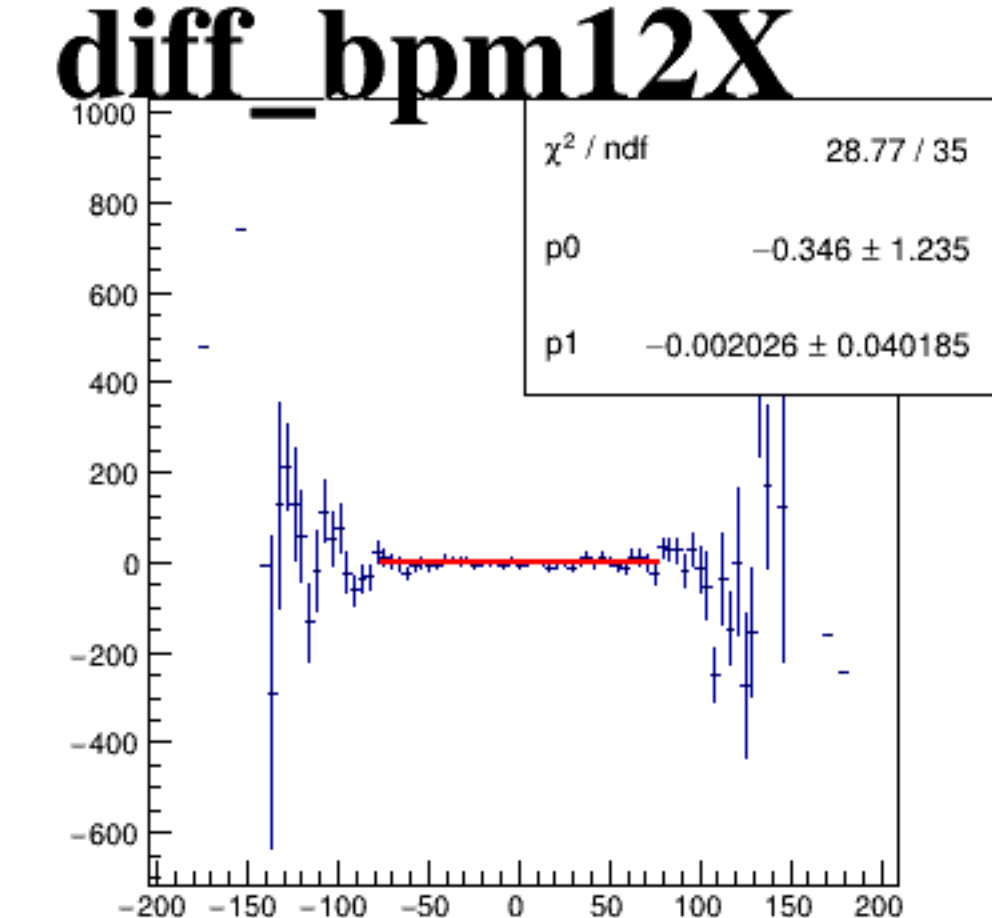
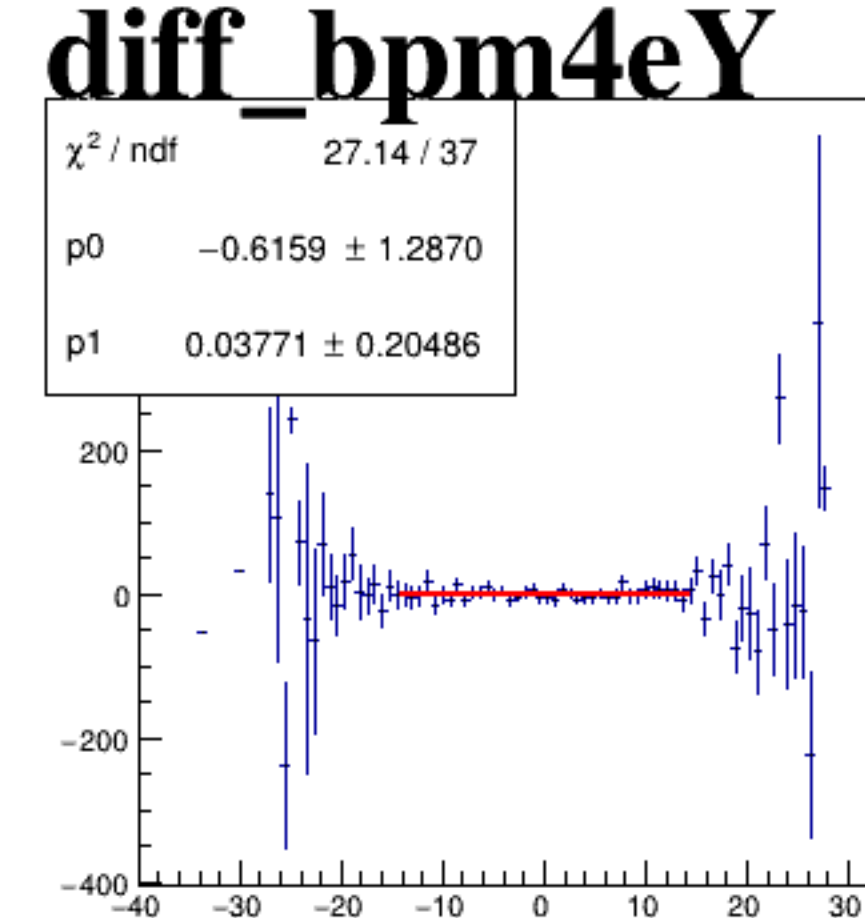
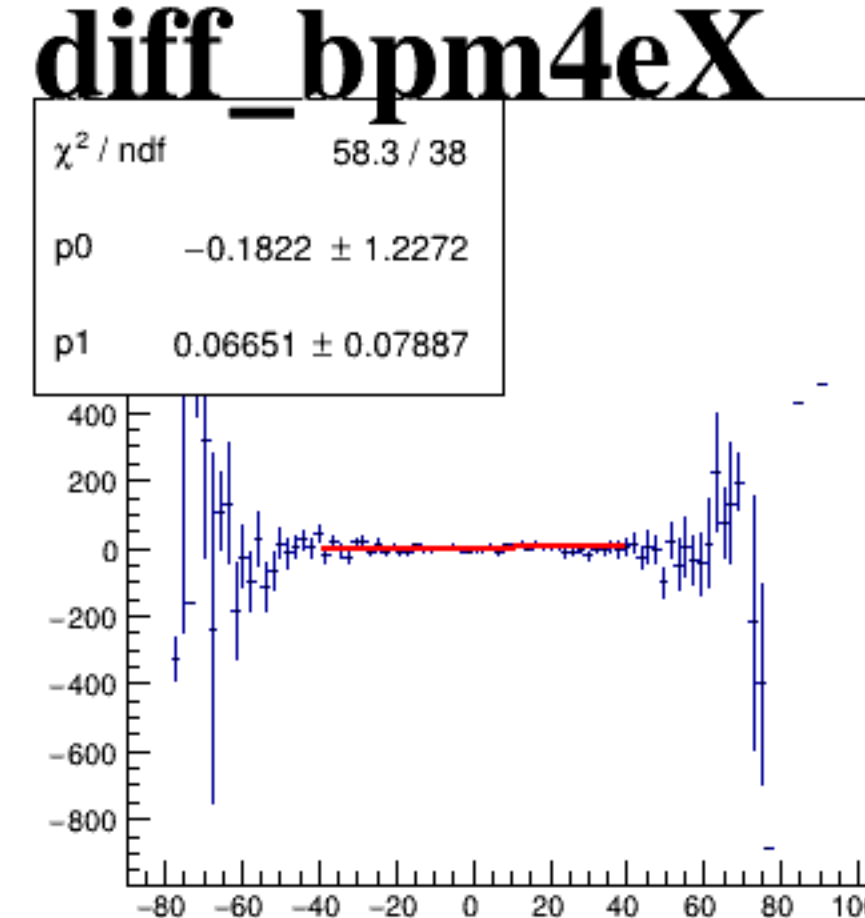
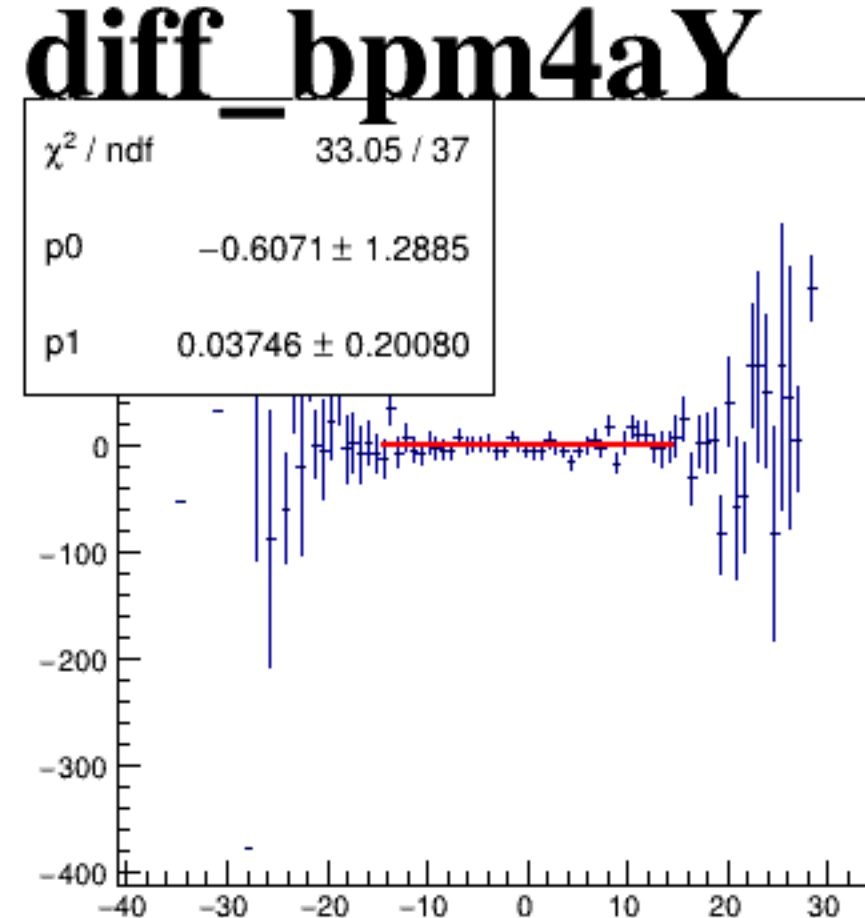
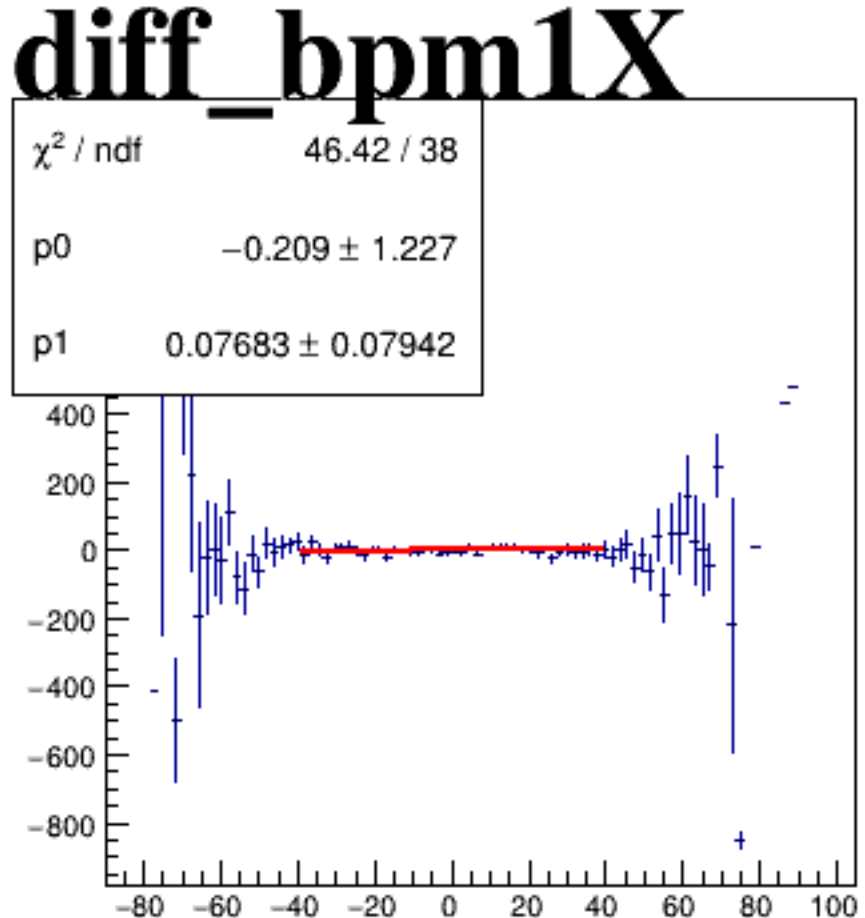
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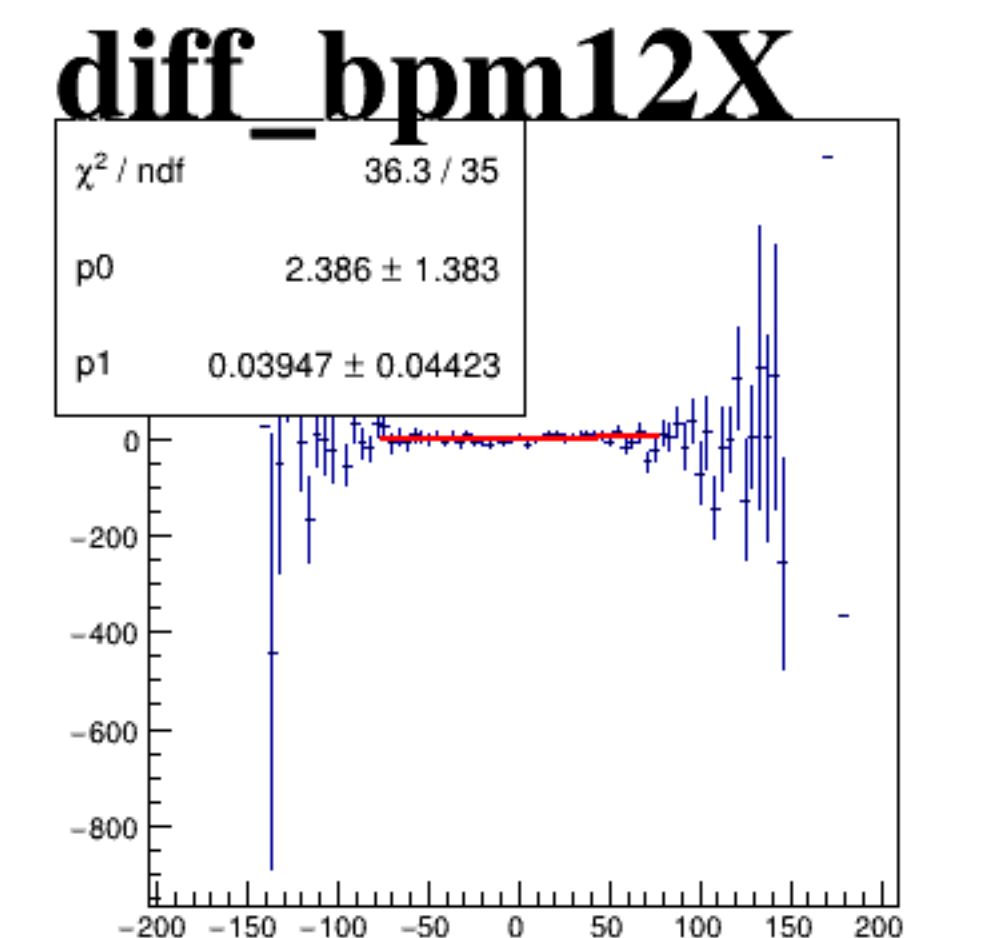
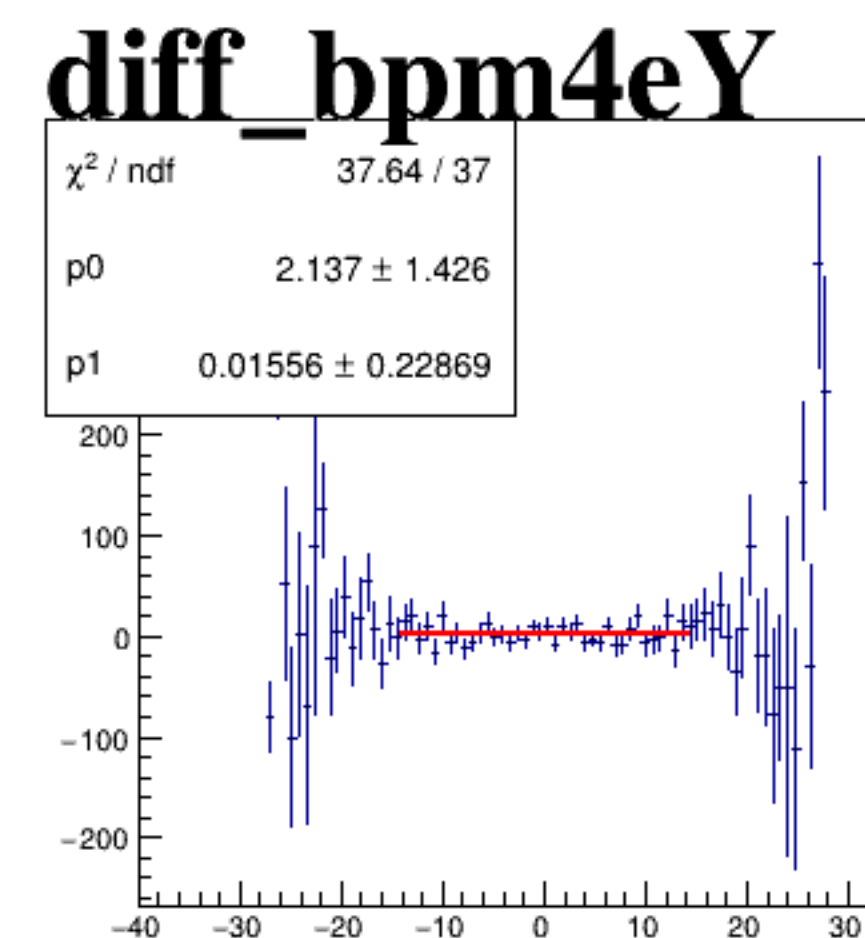
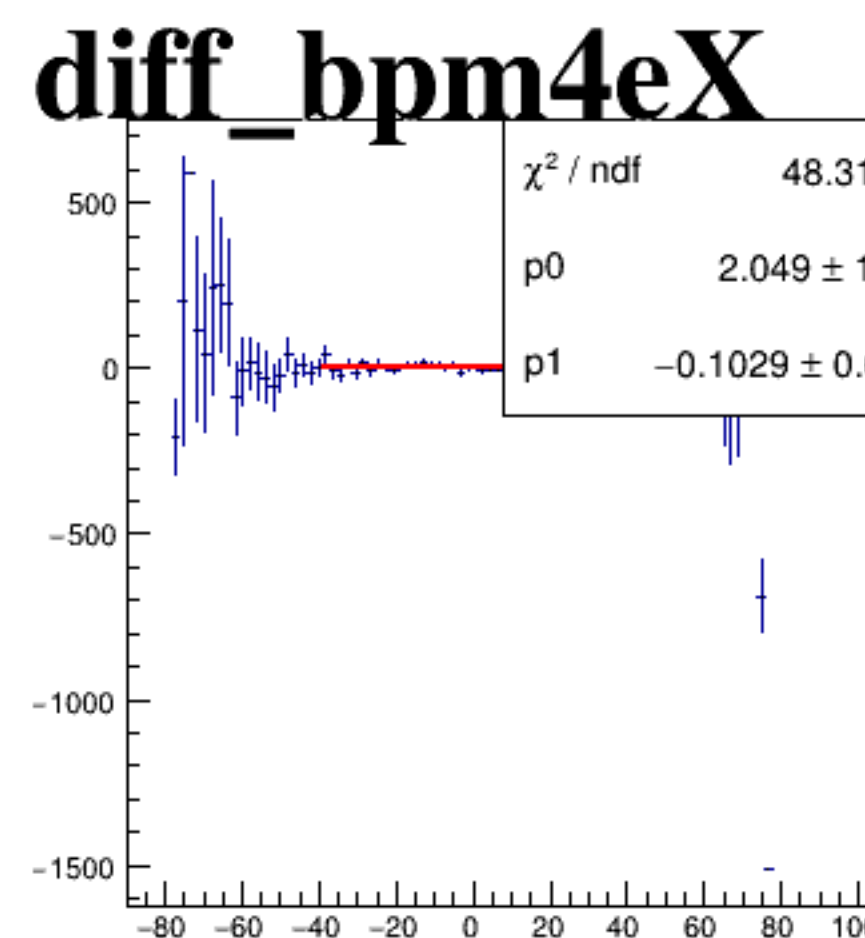
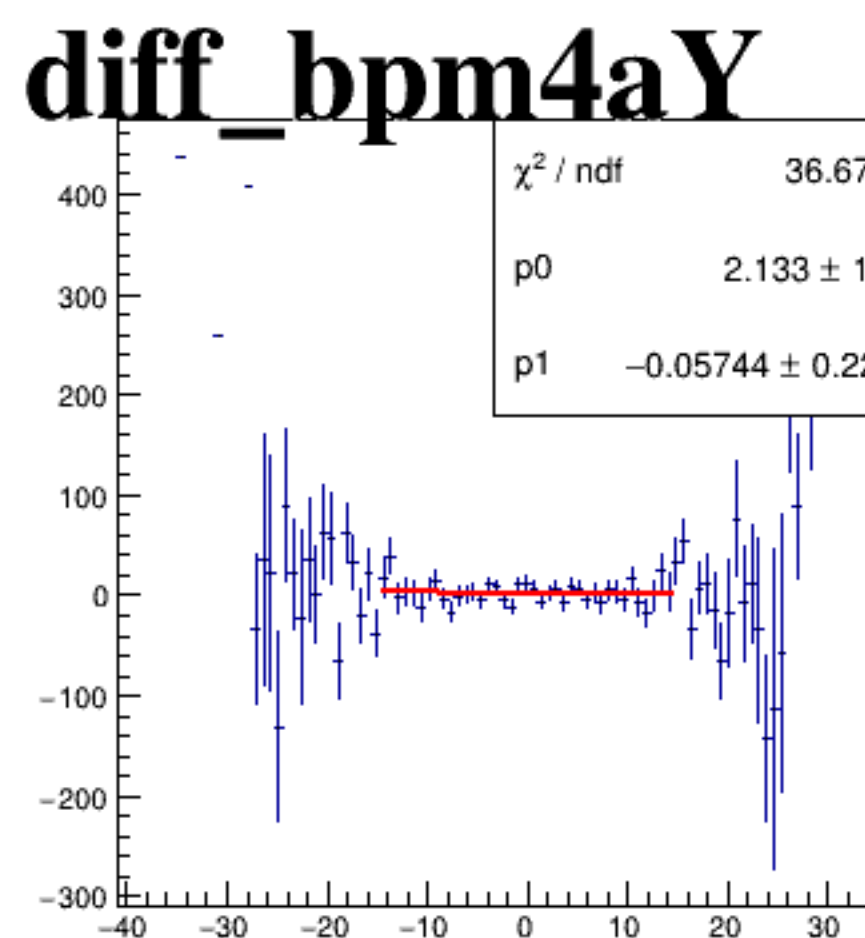
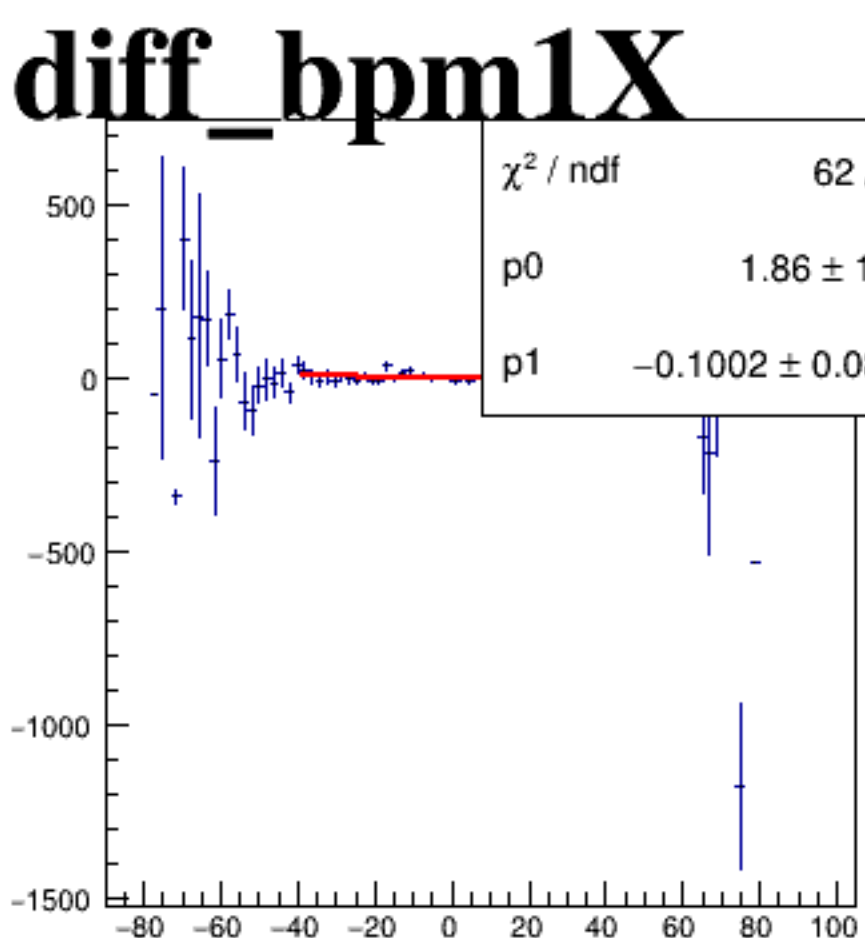
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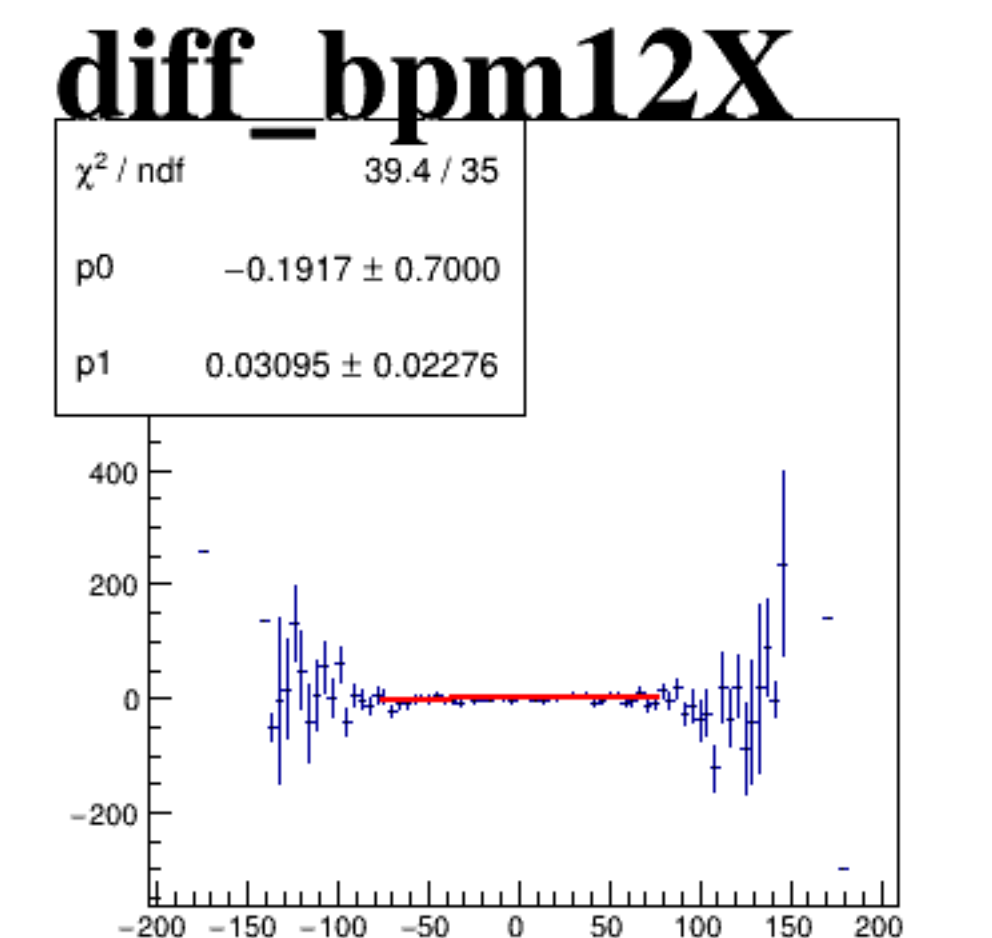
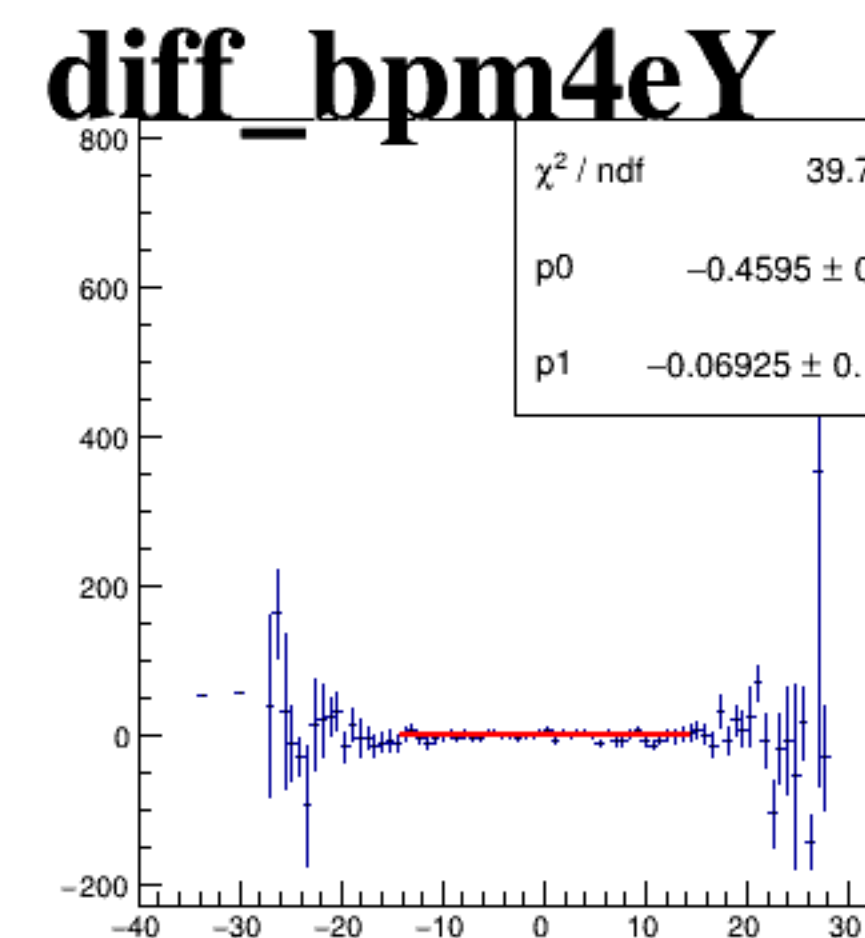
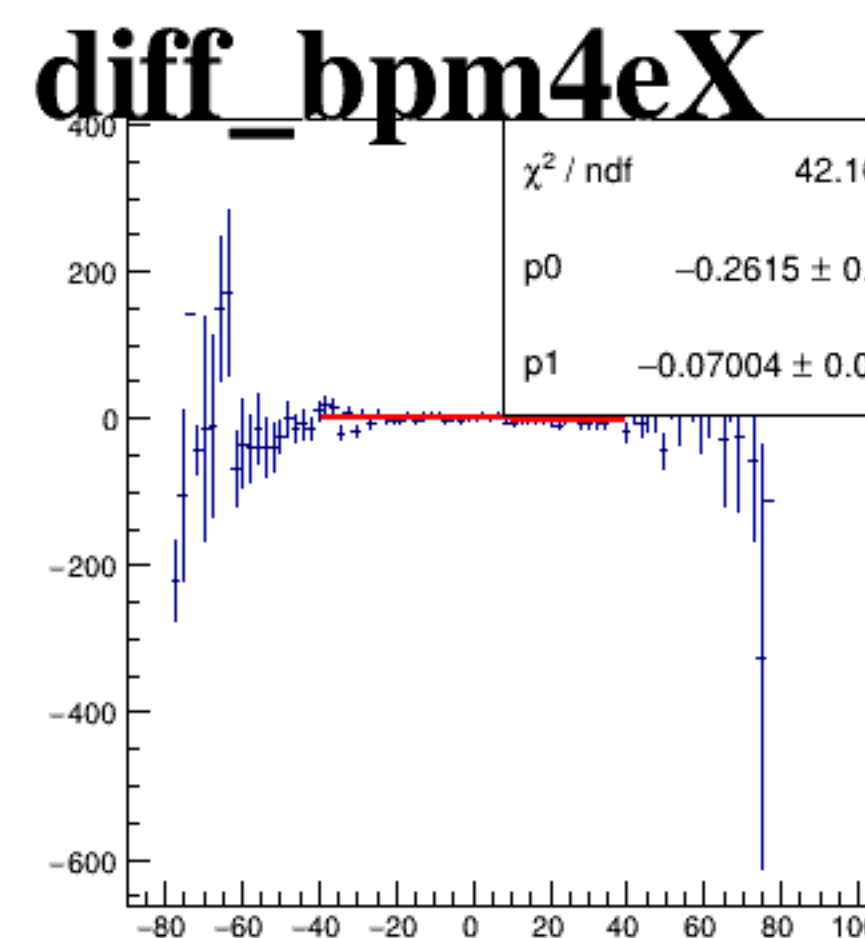
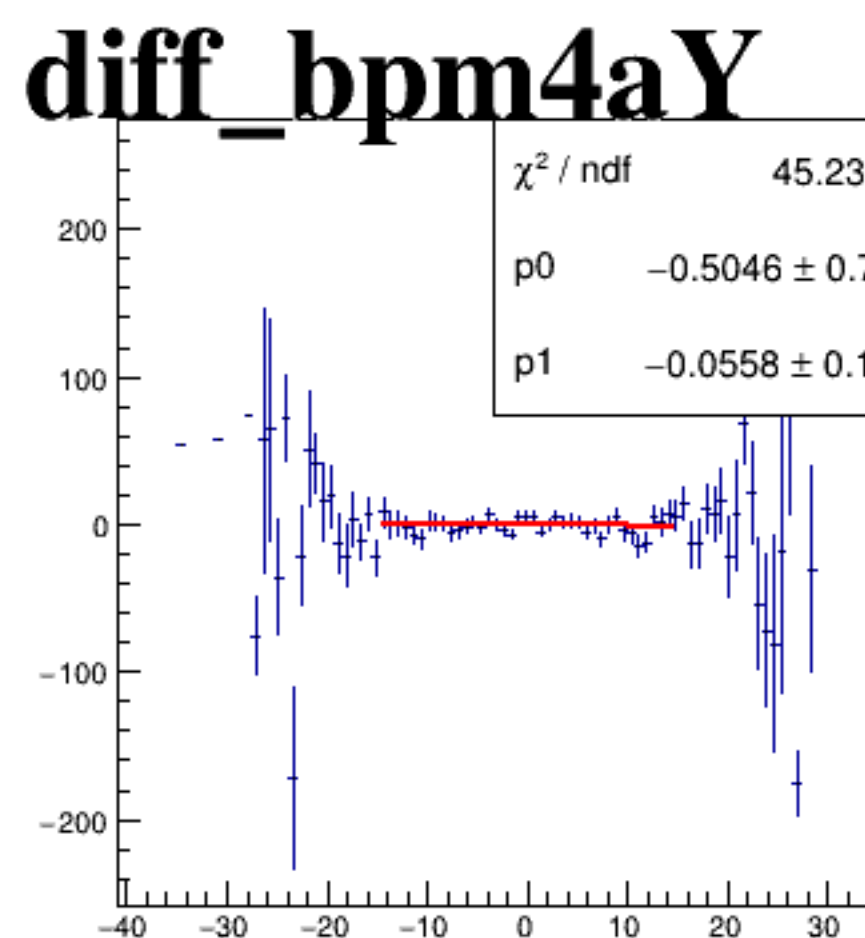
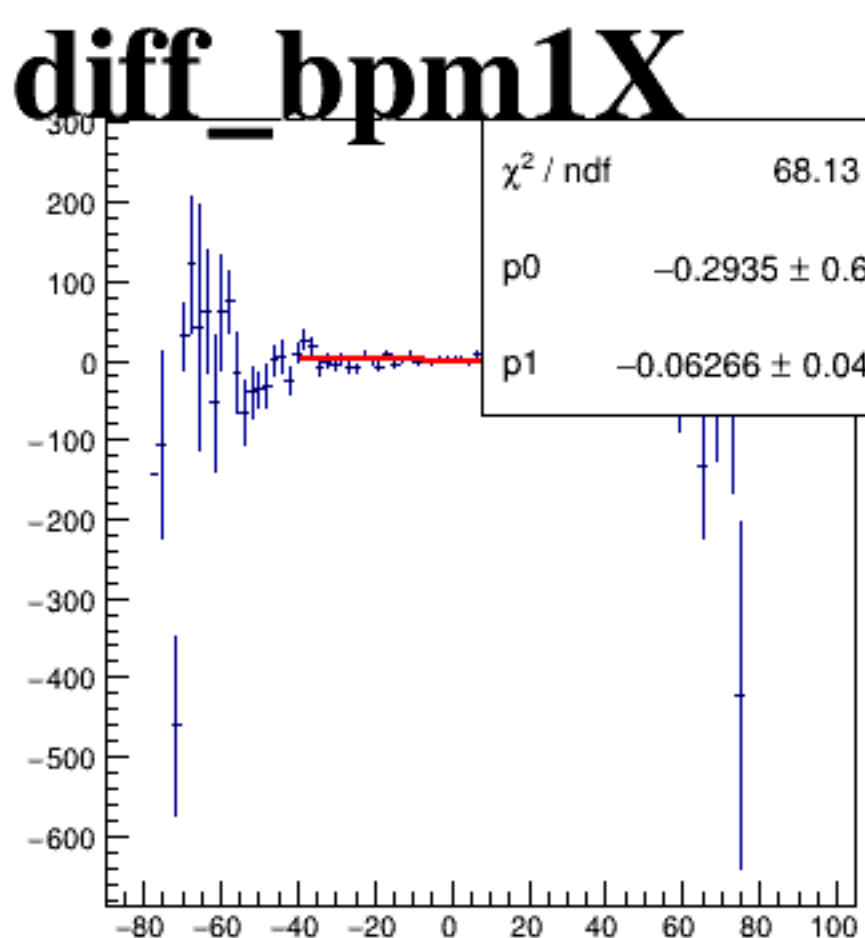
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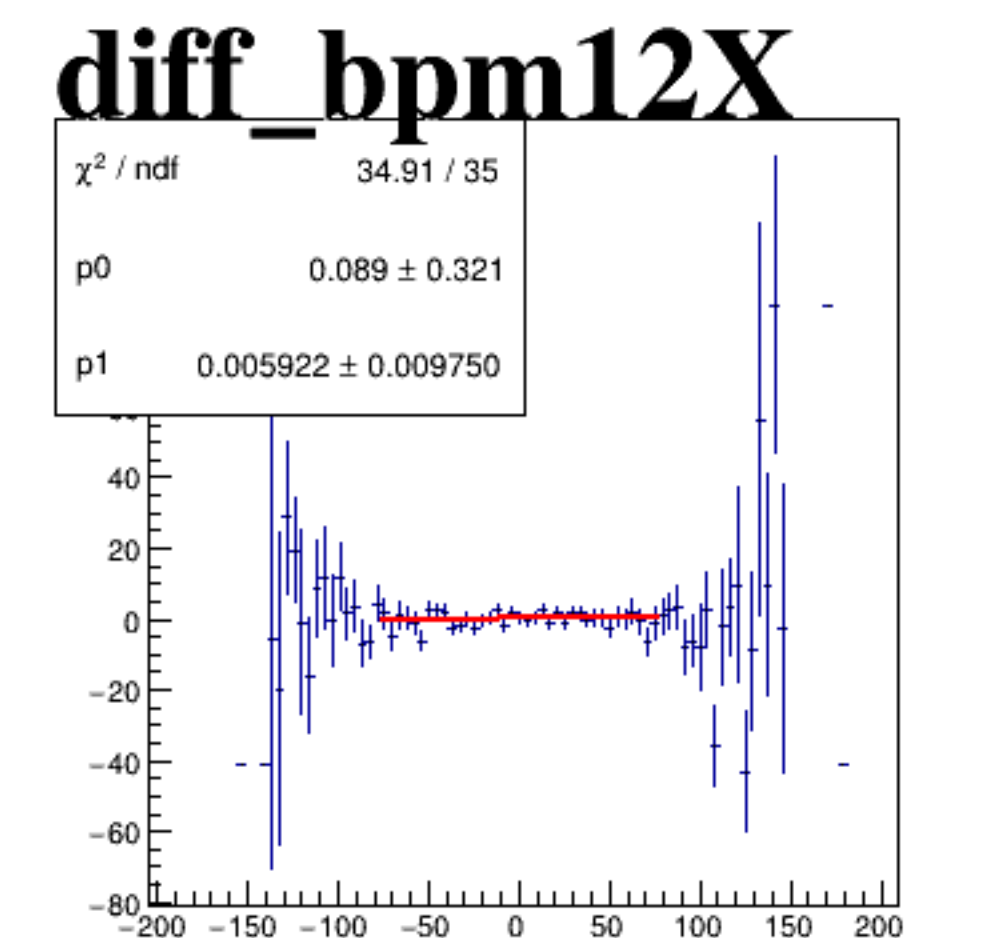
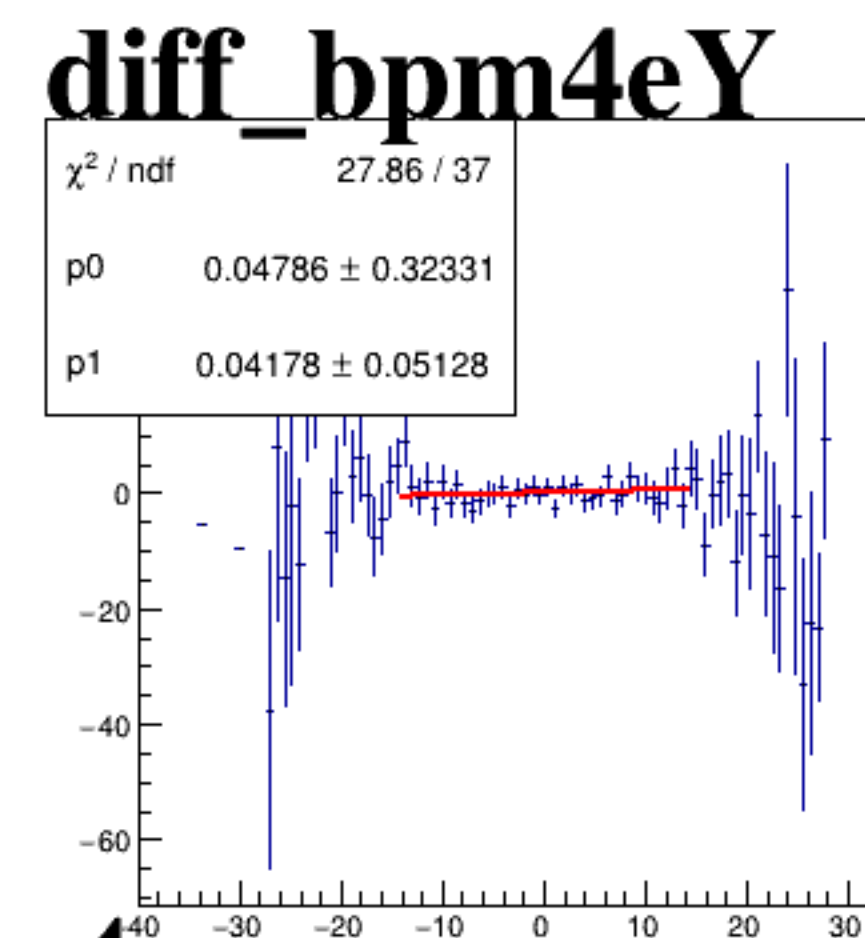
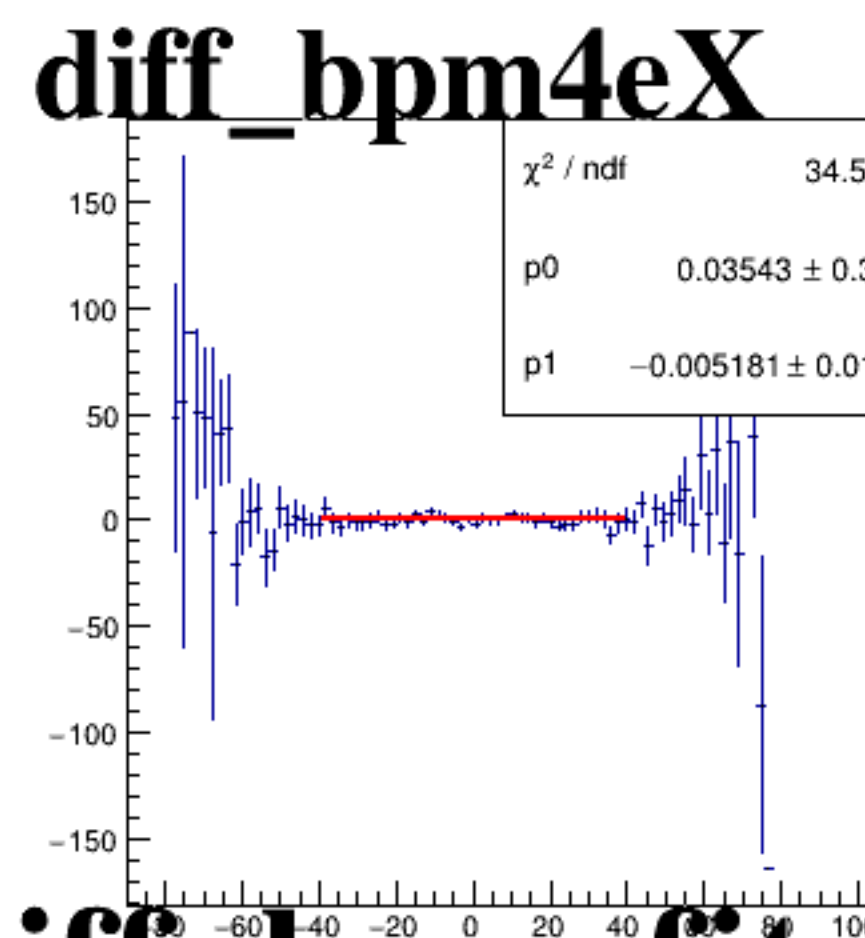
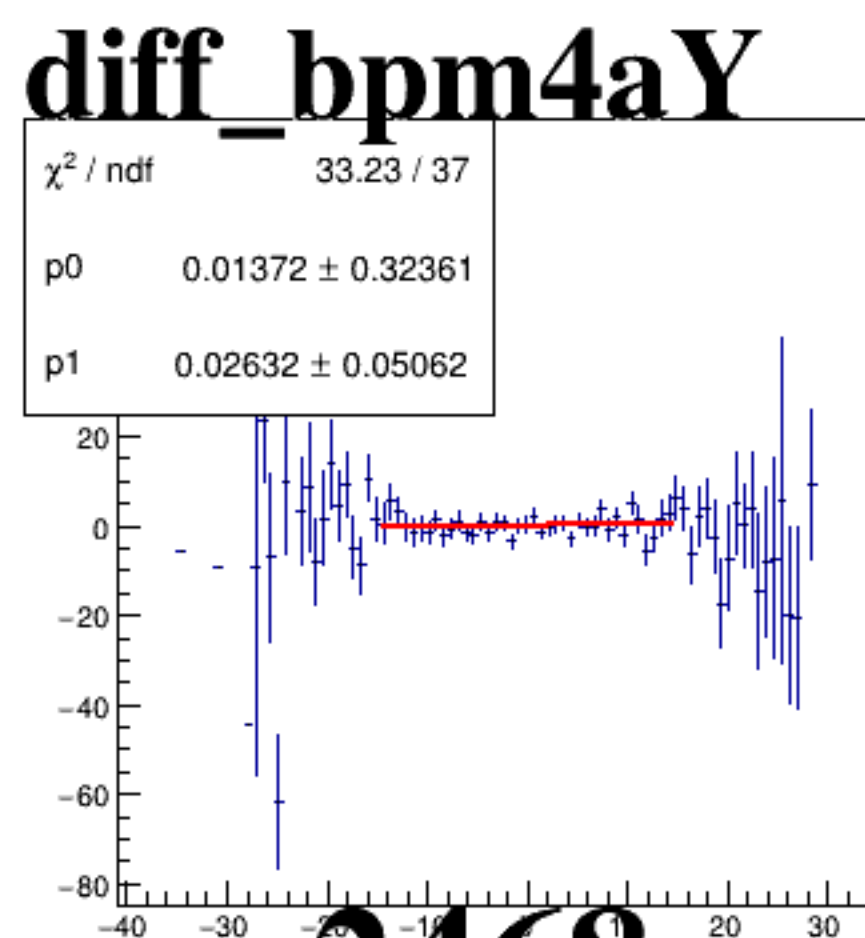
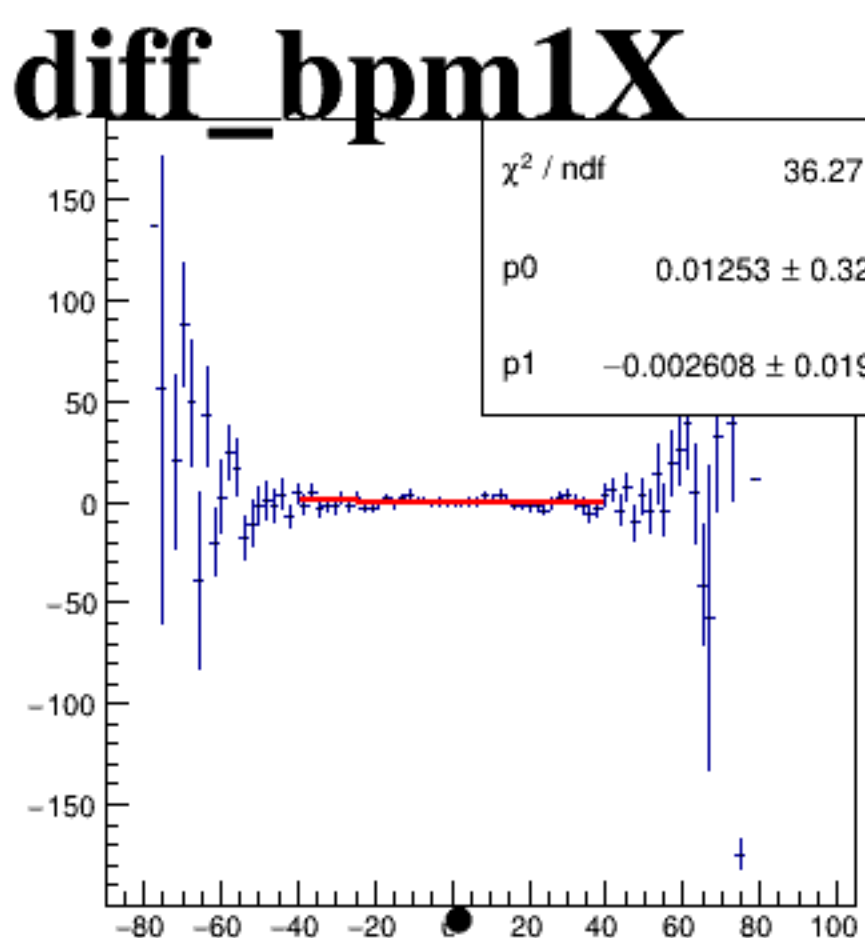
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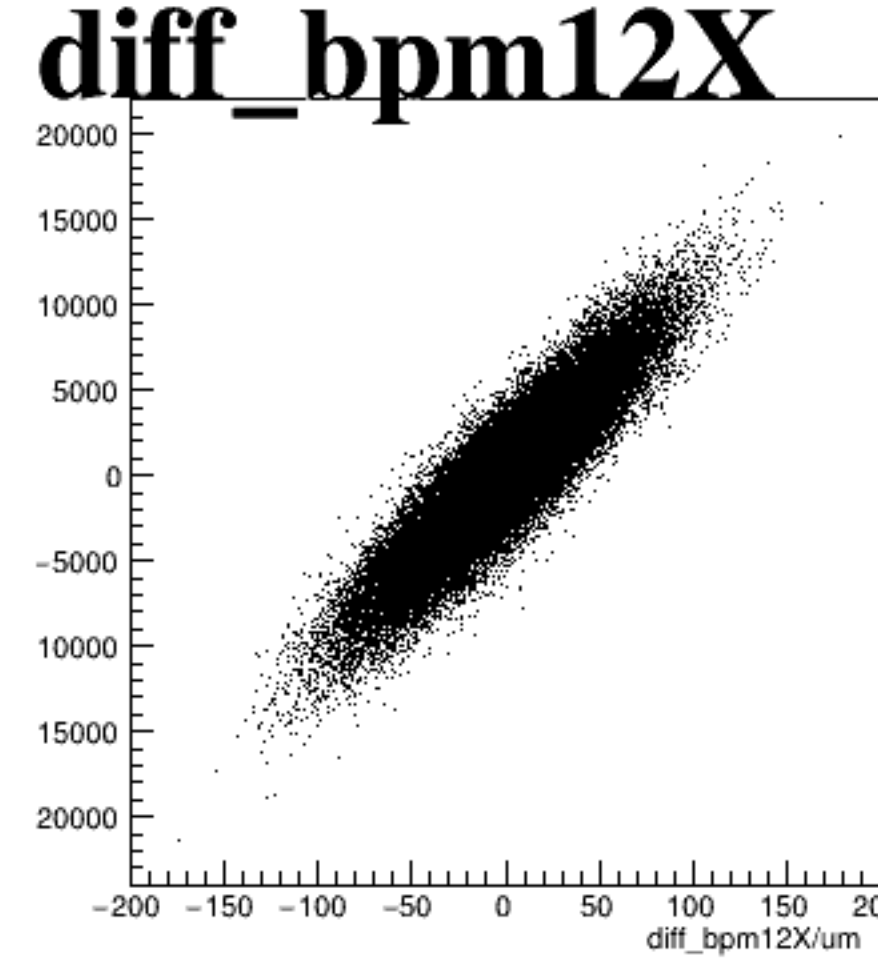
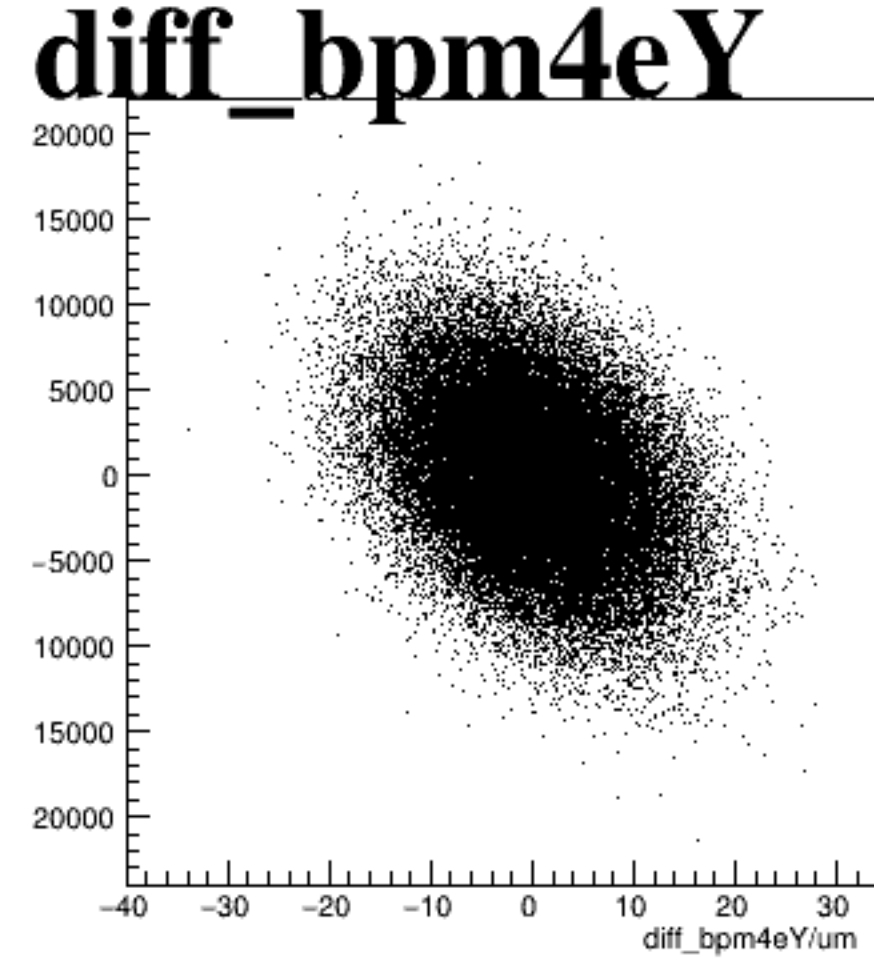
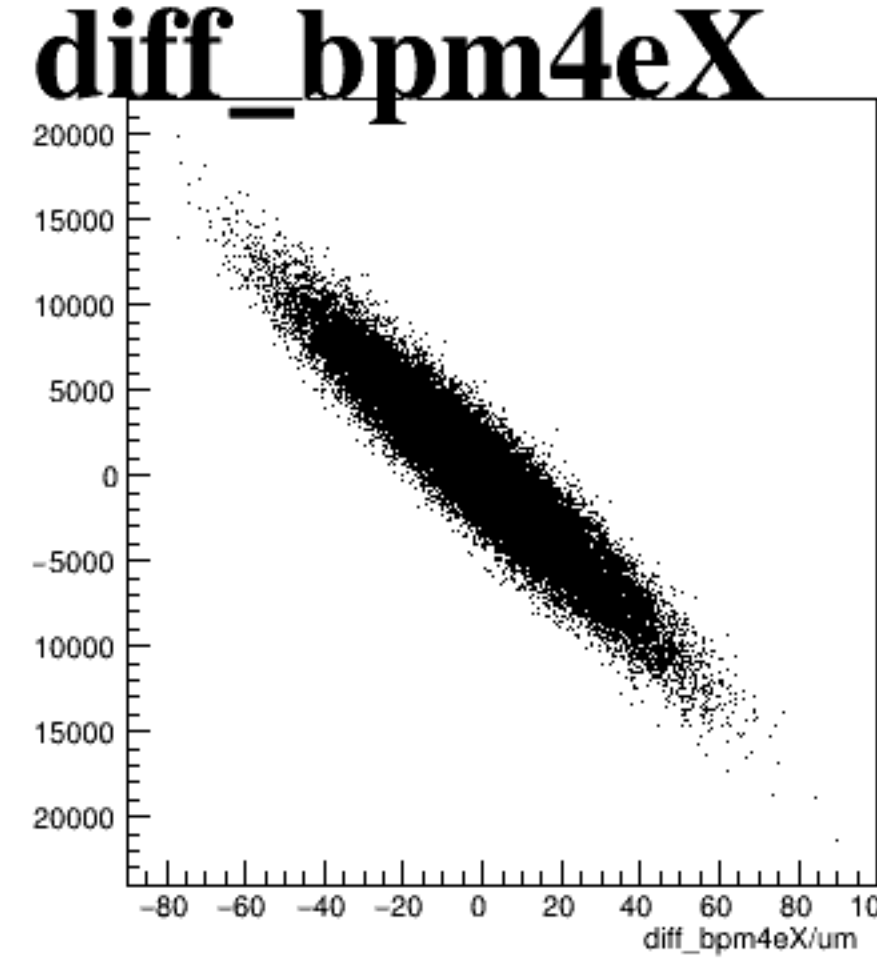
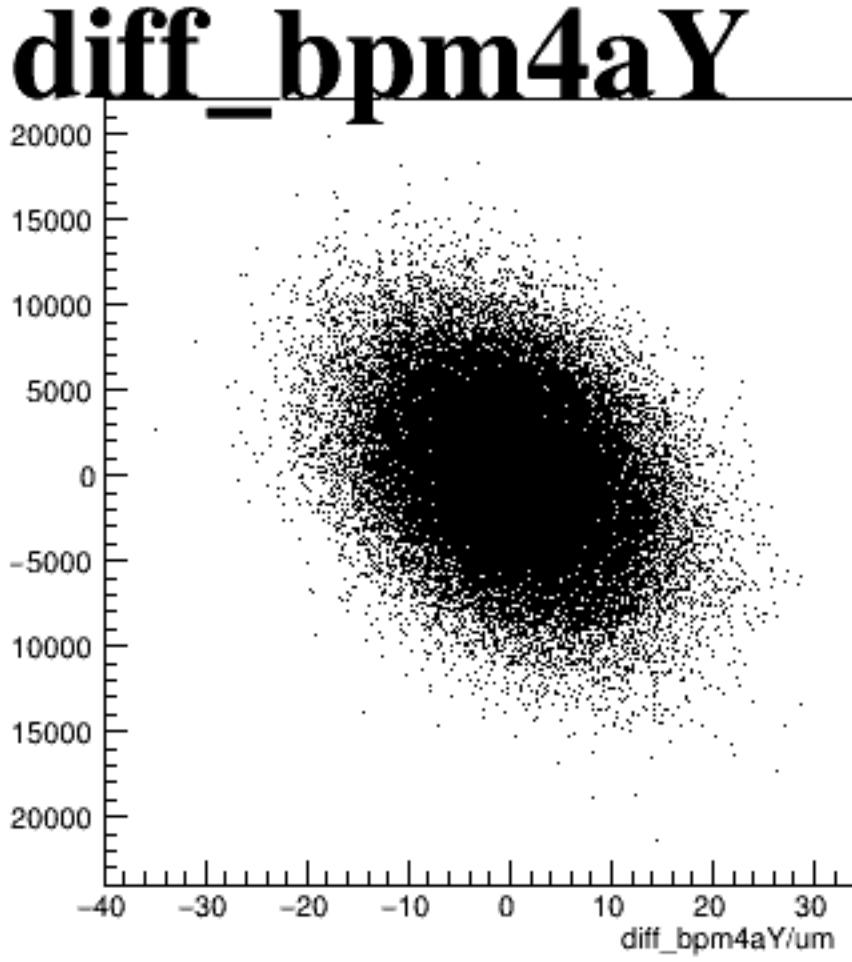
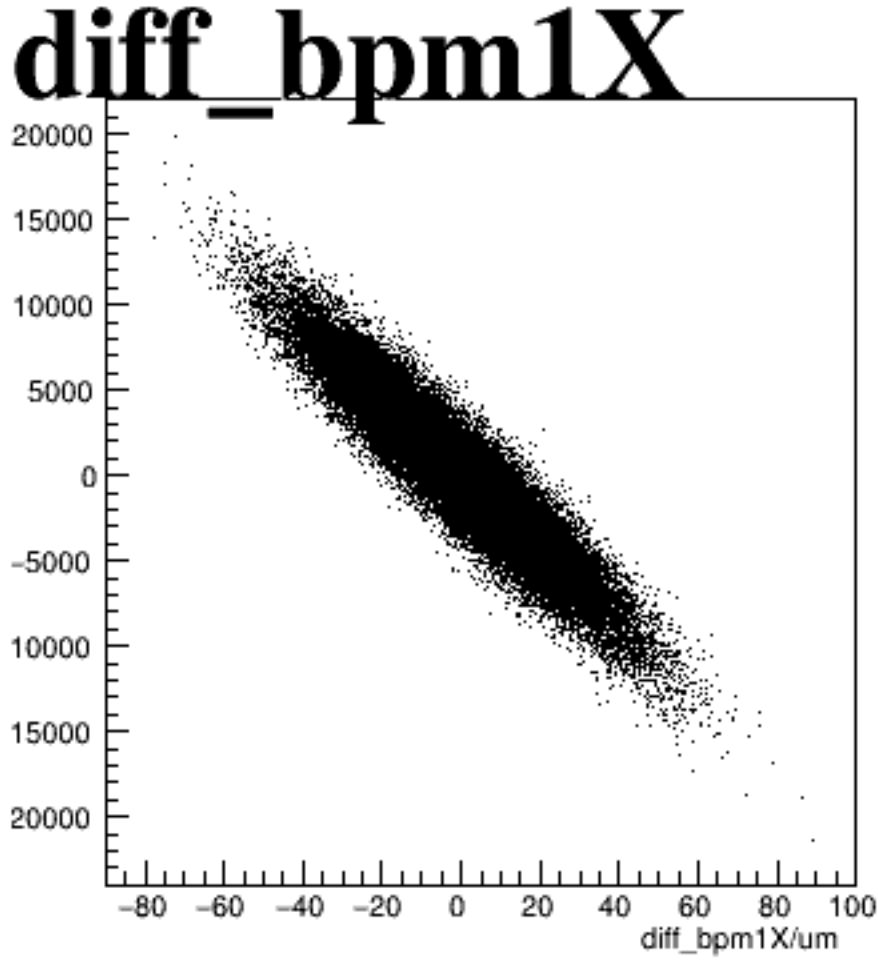
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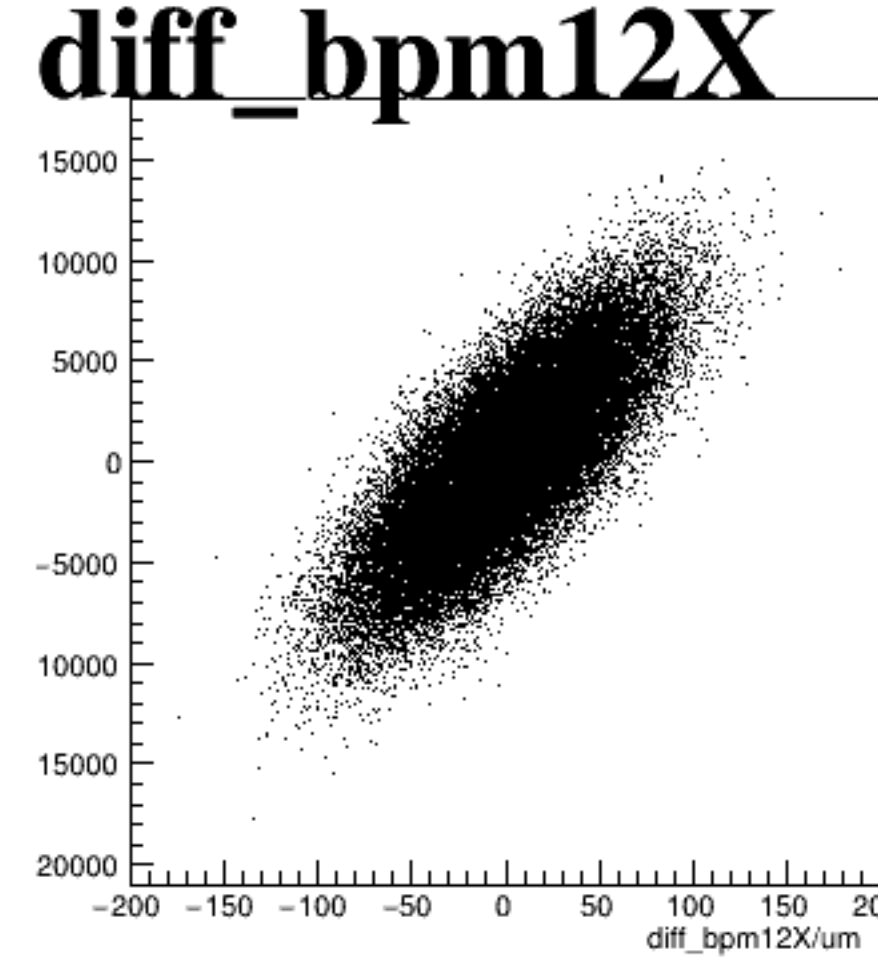
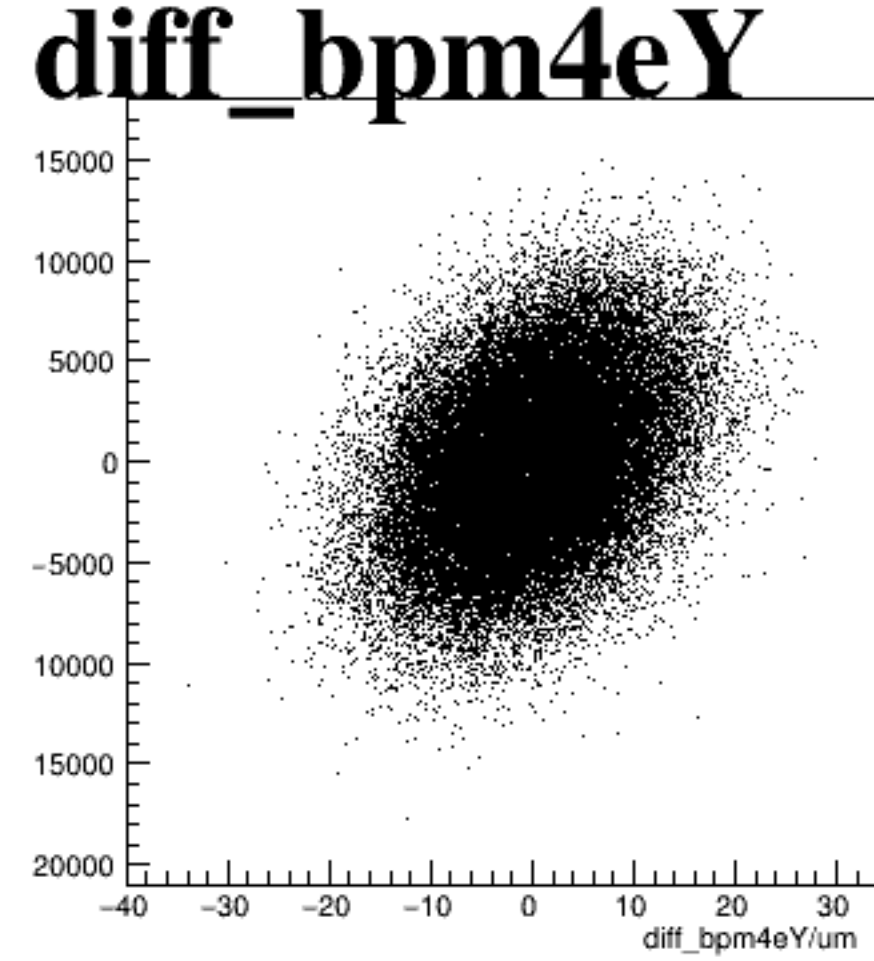
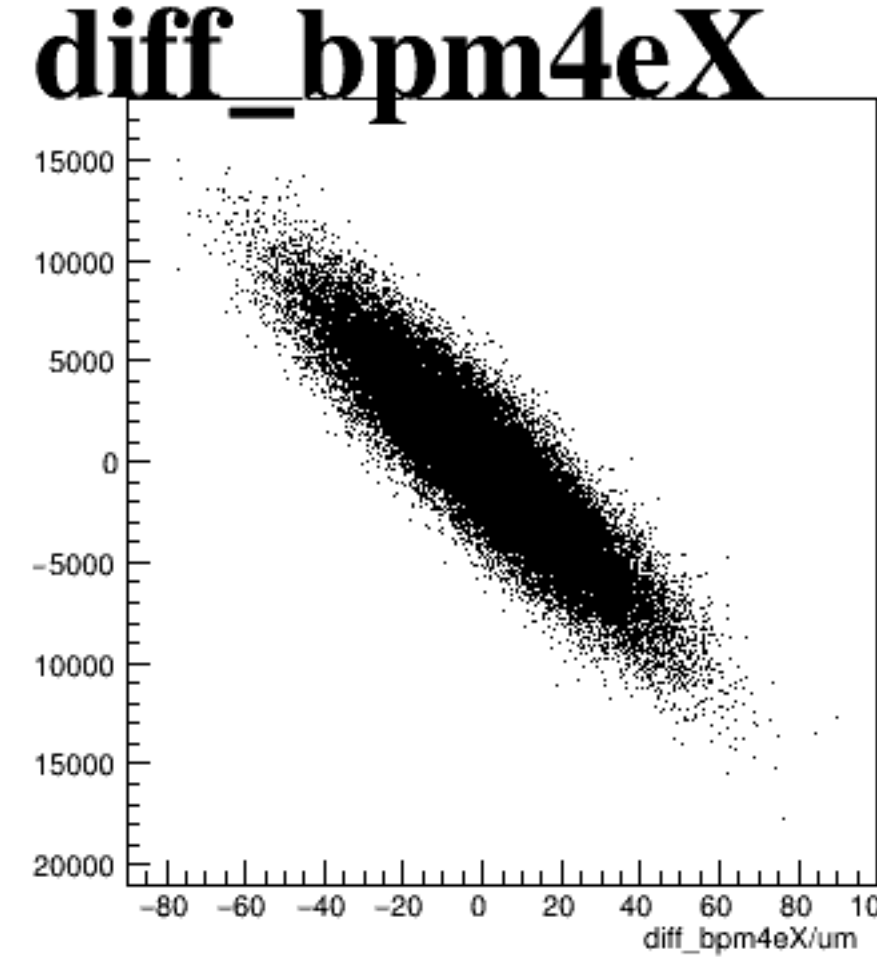
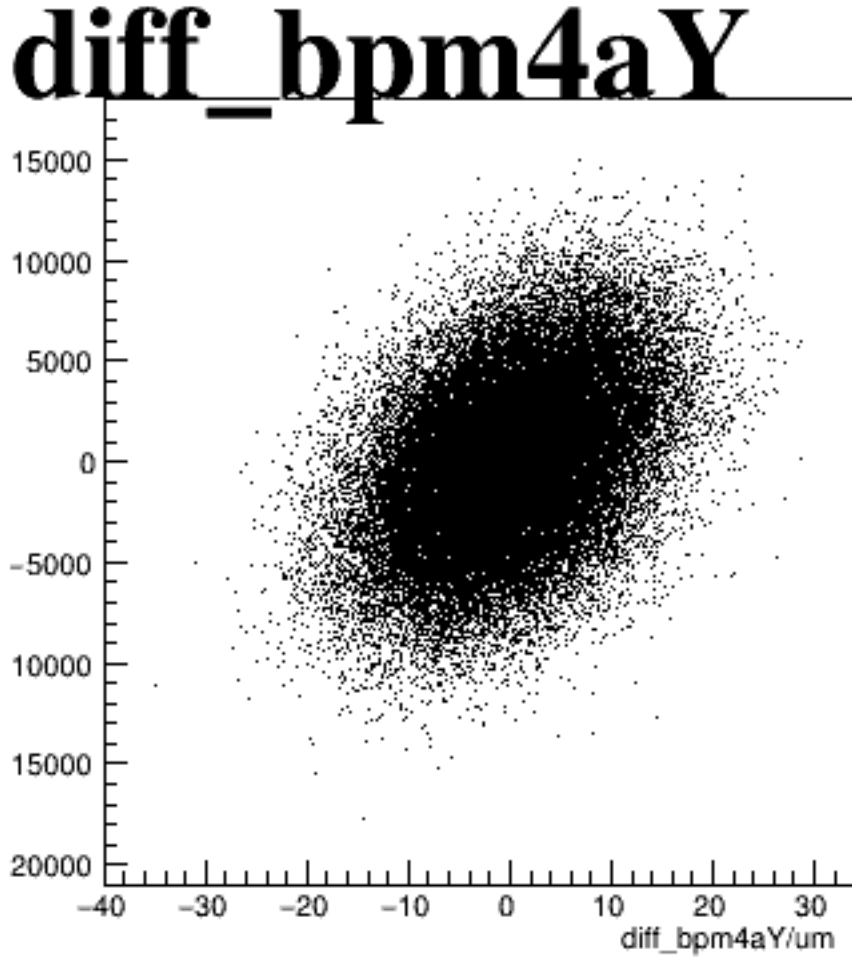
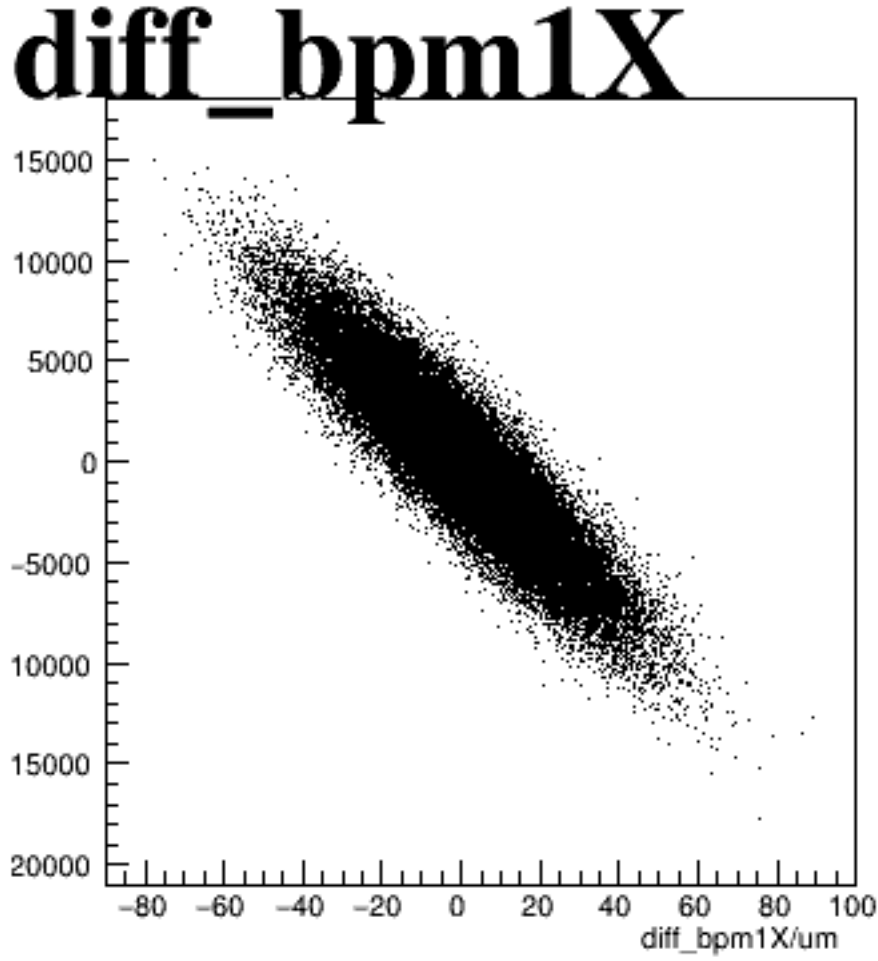
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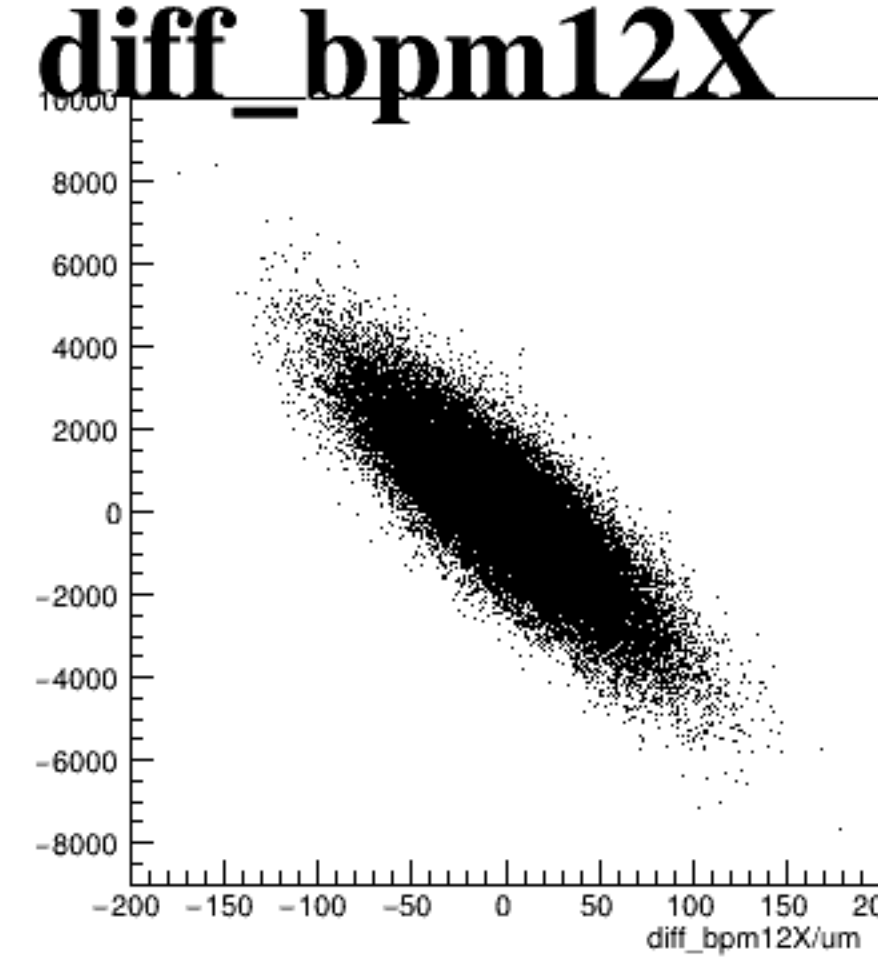
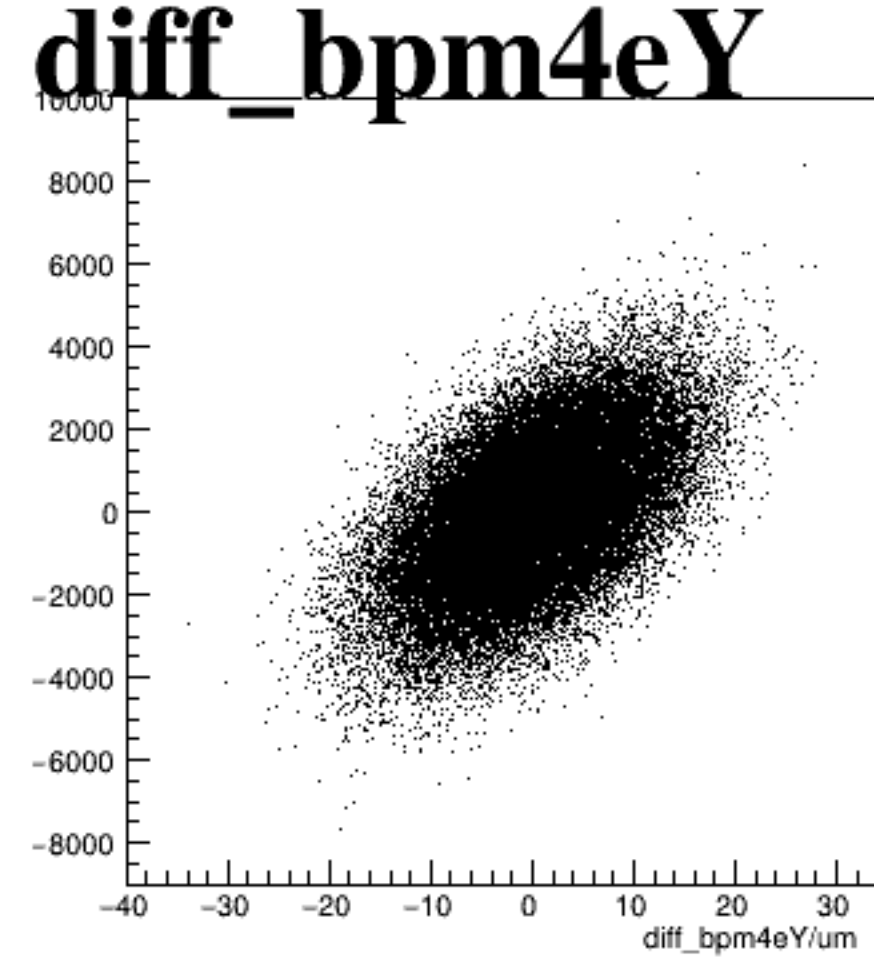
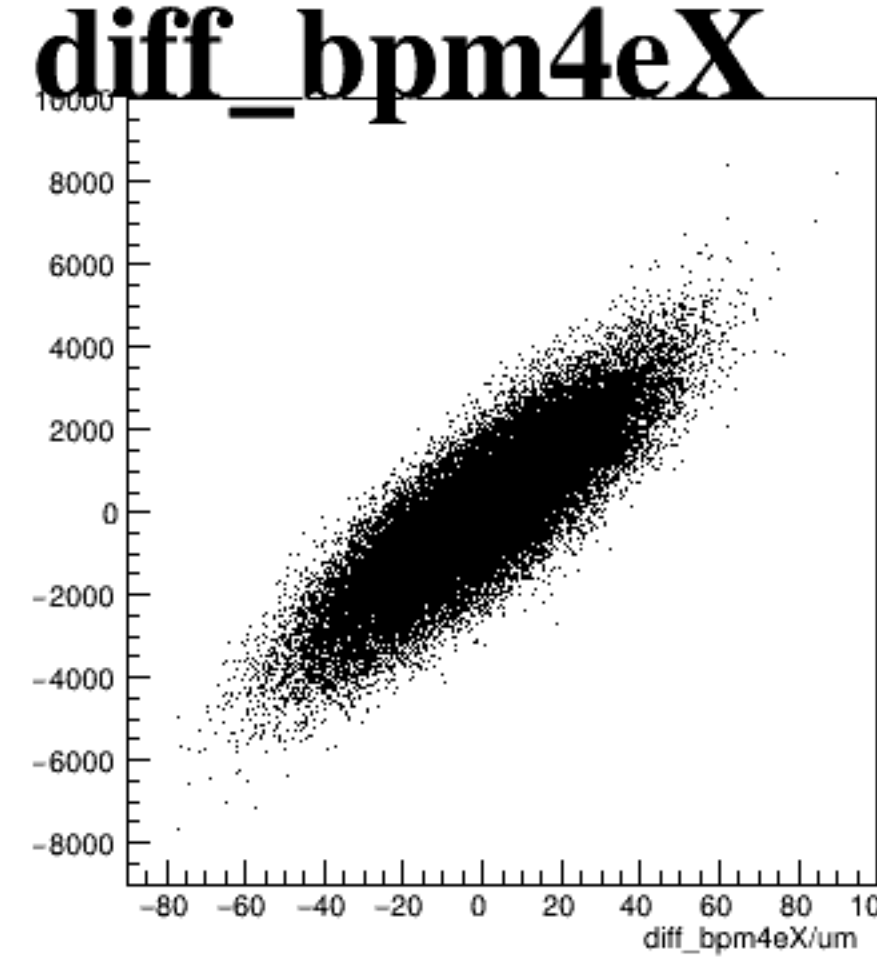
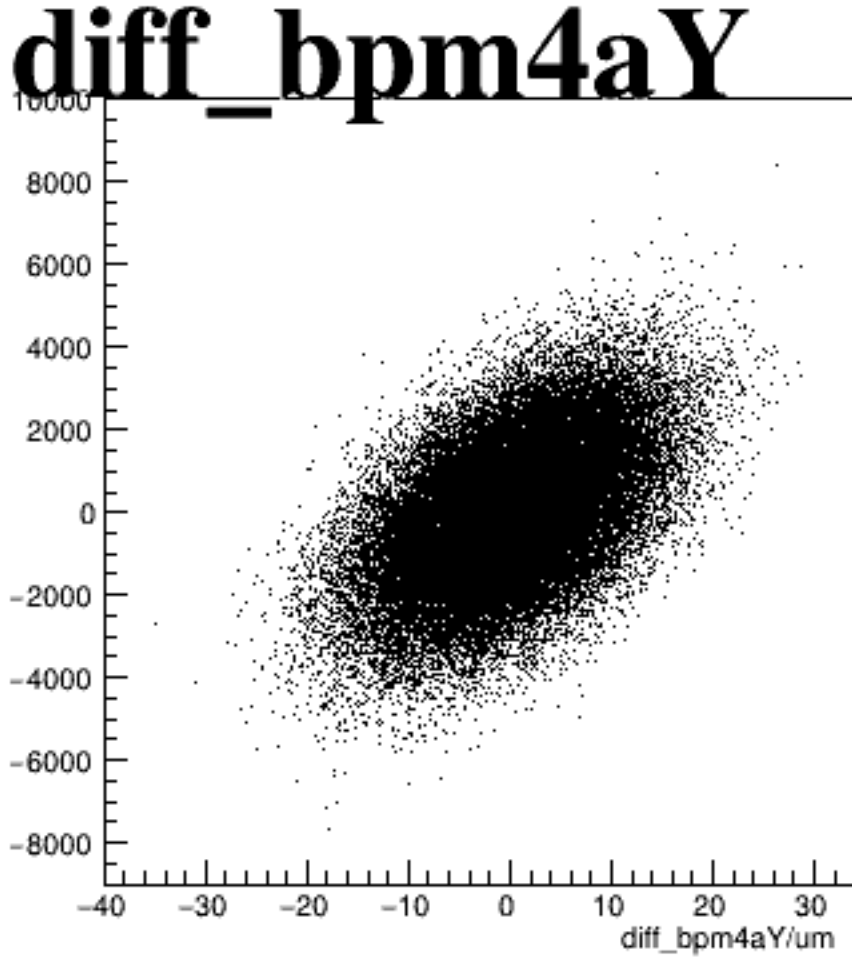
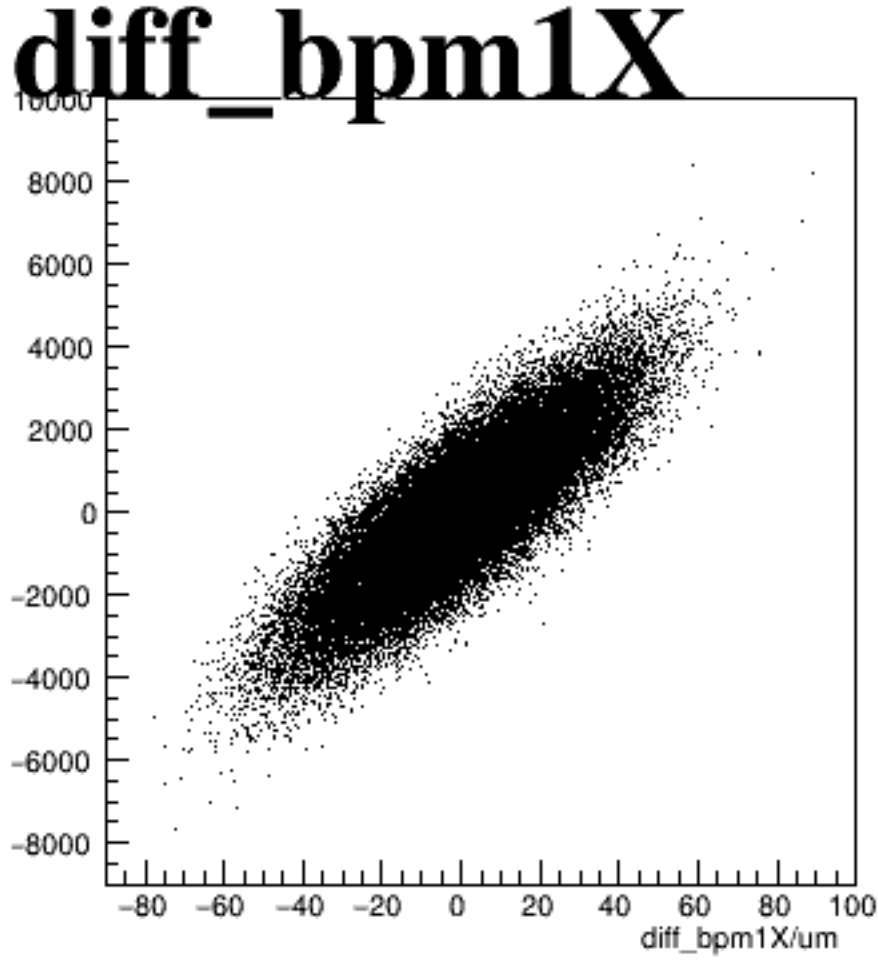
asym_sam2



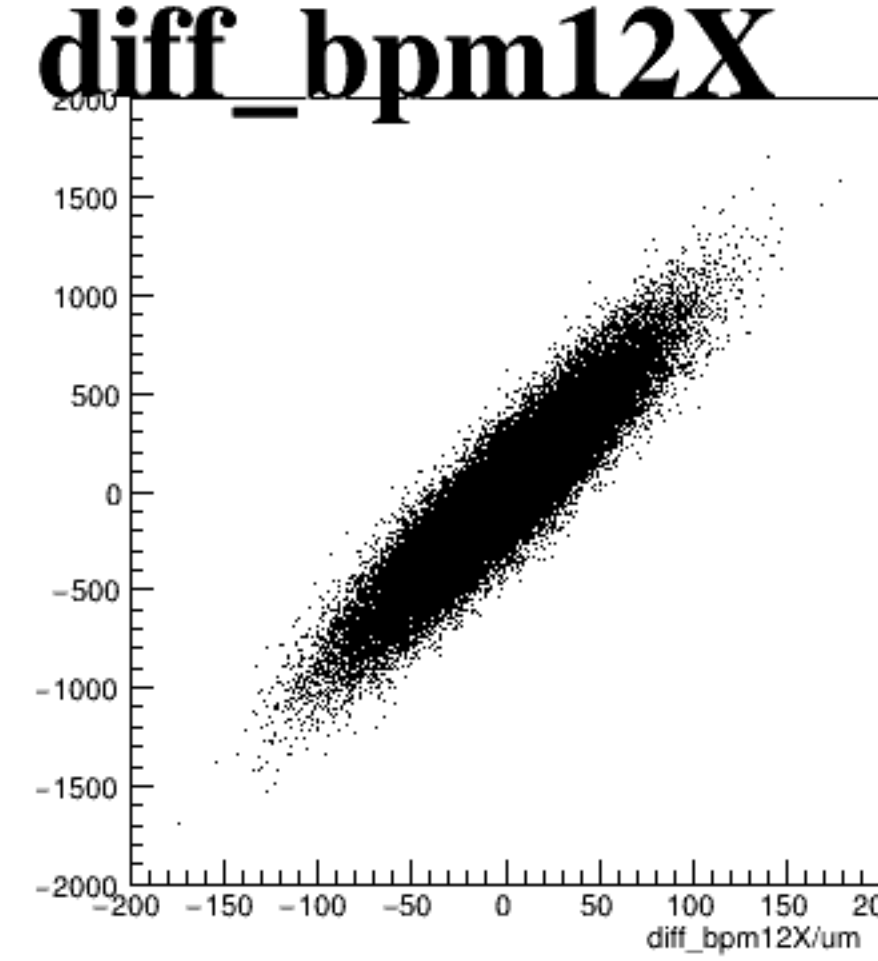
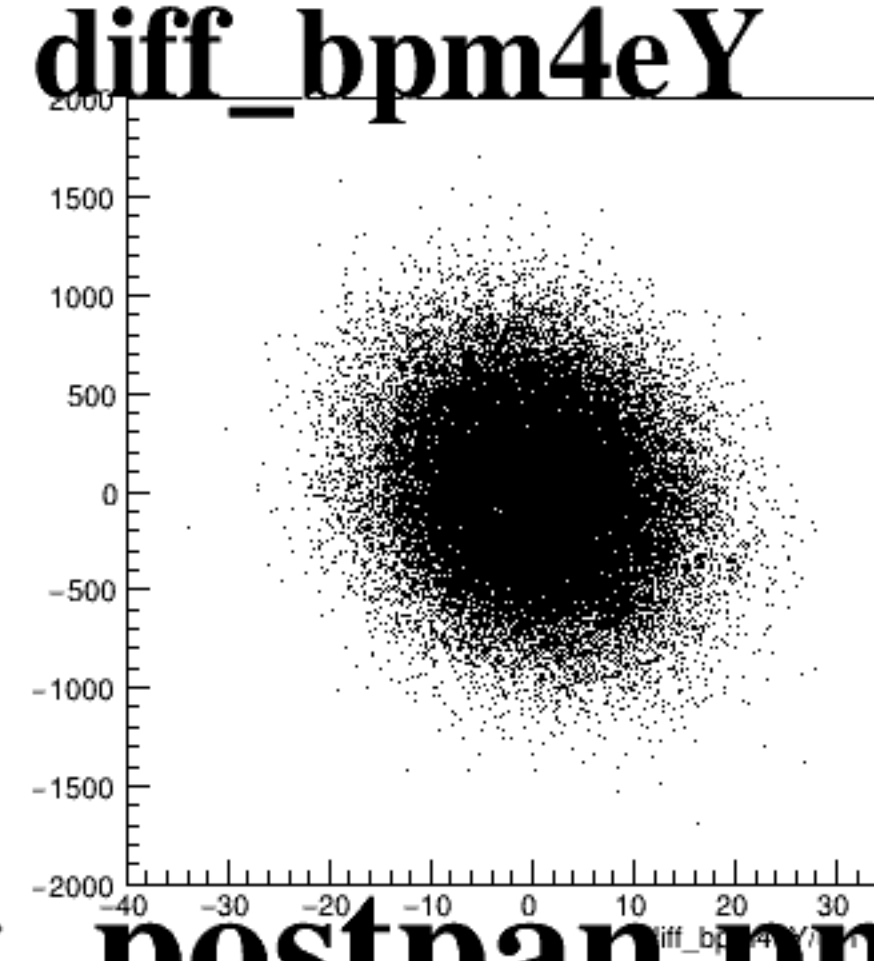
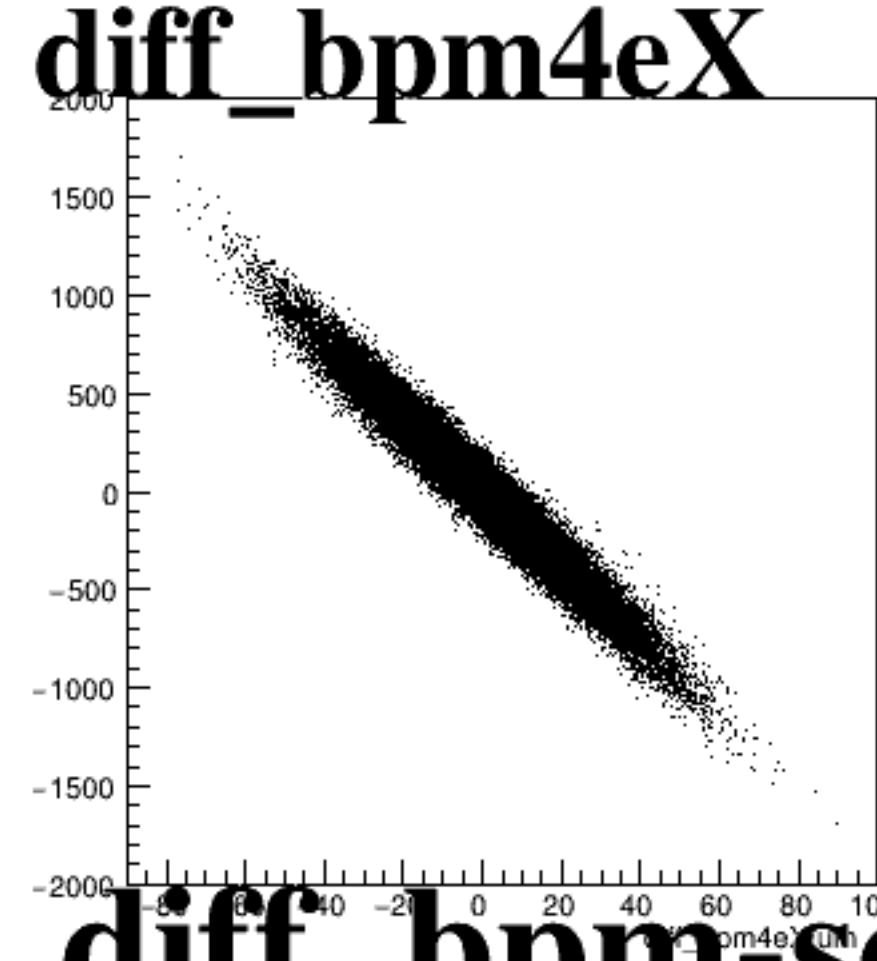
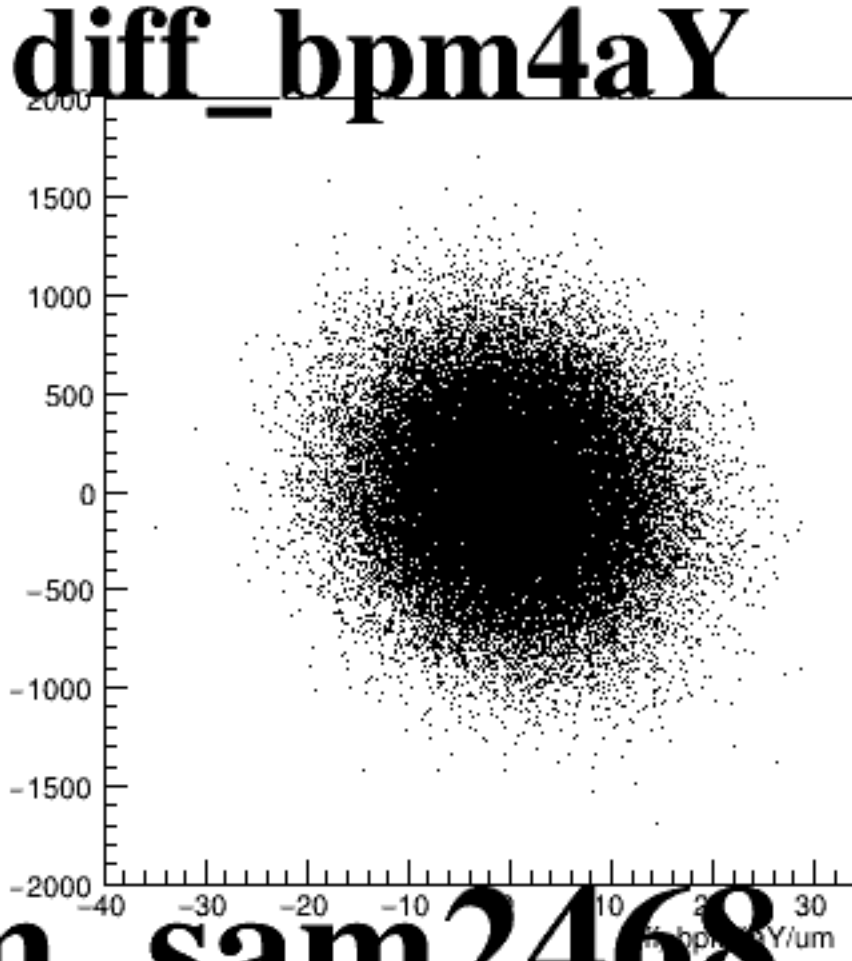
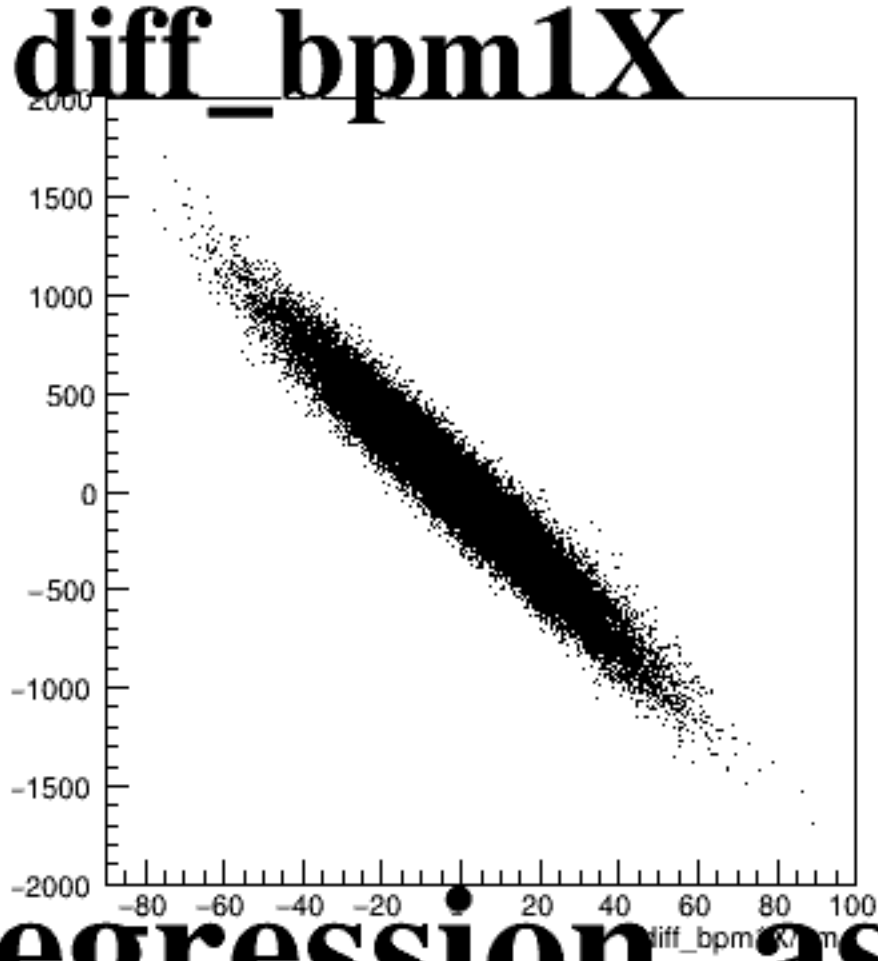
asym_sam4



asym_sam6



asym_sam8

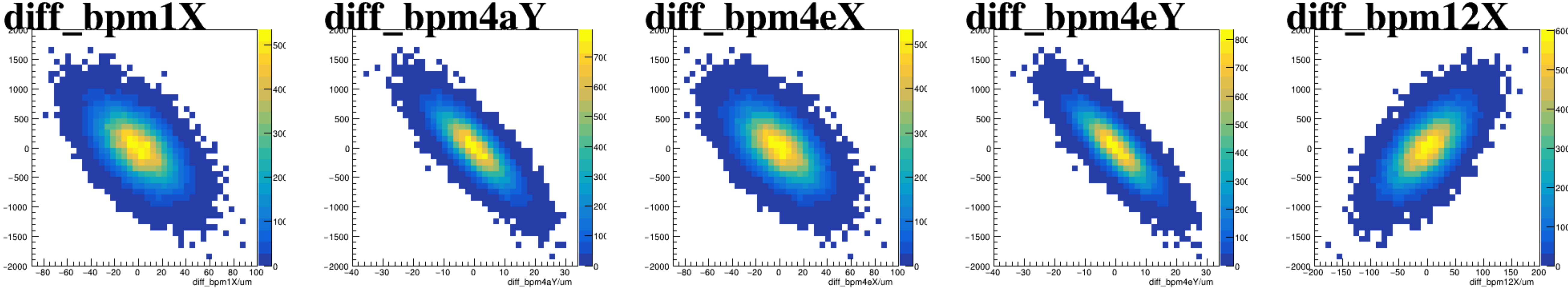


The figure consists of five scatter plots arranged horizontally, each showing the distribution of difference coordinates for a specific BPM. The plots are titled as follows:

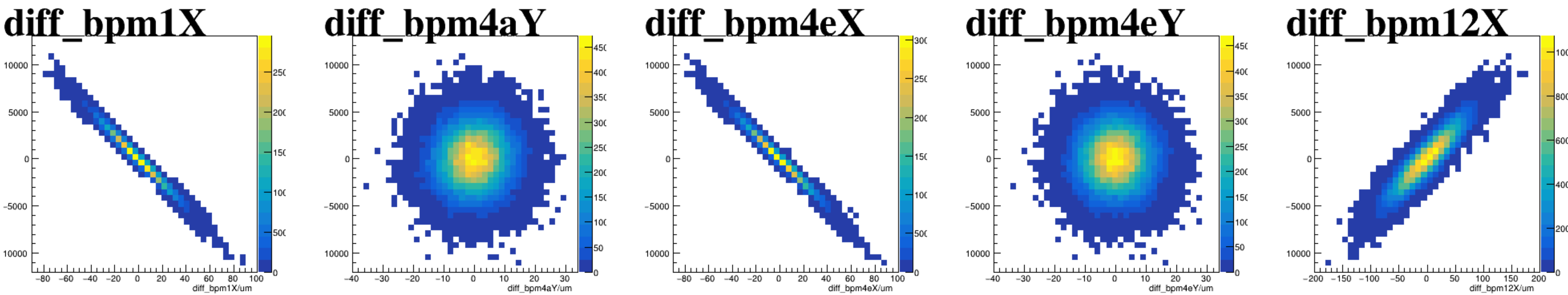
- diff_bpm1X**: The x-axis is labeled $\text{diff_bpm1X}/\mu\text{m}$ and ranges from -80 to 100. The y-axis is labeled $\text{diff_bpm1X}/\mu\text{m}$ and ranges from -2000 to 1500.
- diff_bpm4aY**: The x-axis is labeled $\text{diff_bpm4aY}/\mu\text{m}$ and ranges from -40 to 30. The y-axis is labeled $\text{diff_bpm4aY}/\mu\text{m}$ and ranges from -2000 to 1500.
- diff_bpm4eX**: The x-axis is labeled $\text{diff_bpm4eX}/\mu\text{m}$ and ranges from -80 to 100. The y-axis is labeled $\text{diff_bpm4eX}/\mu\text{m}$ and ranges from -2000 to 1500.
- diff_bpm4eY**: The x-axis is labeled $\text{diff_bpm4eY}/\mu\text{m}$ and ranges from -40 to 30. The y-axis is labeled $\text{diff_bpm4eY}/\mu\text{m}$ and ranges from -2000 to 1500.
- diff_bpm12X**: The x-axis is labeled $\text{diff_bpm12X}/\mu\text{m}$ and ranges from -200 to 200. The y-axis is labeled $\text{diff_bpm12X}/\mu\text{m}$ and ranges from -2000 to 1500.

All plots show a dense, roughly elliptical cloud of points centered around the origin (0,0), indicating a Gaussian-like distribution of the difference coordinates.

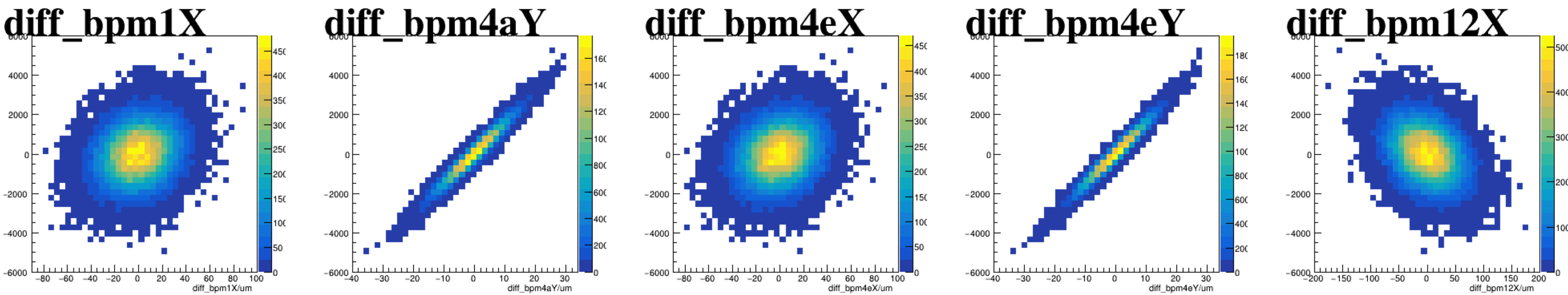
asym_sam1



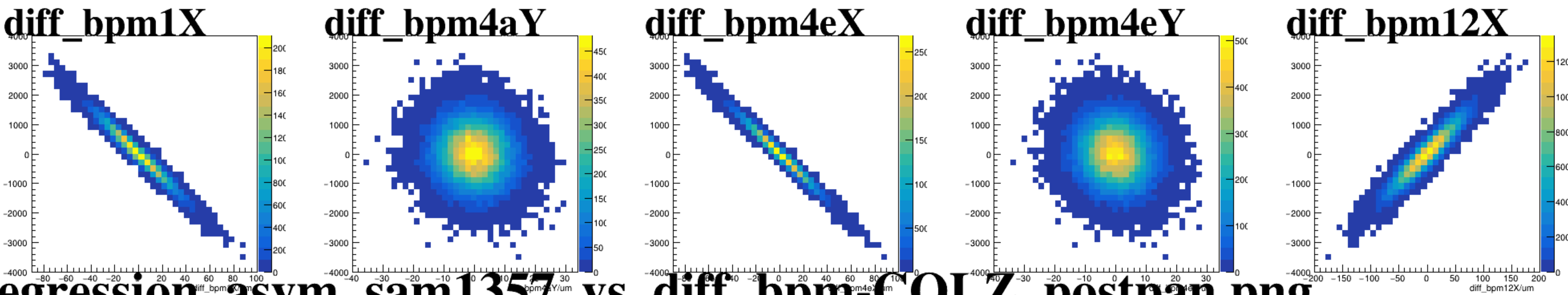
asym_sam3



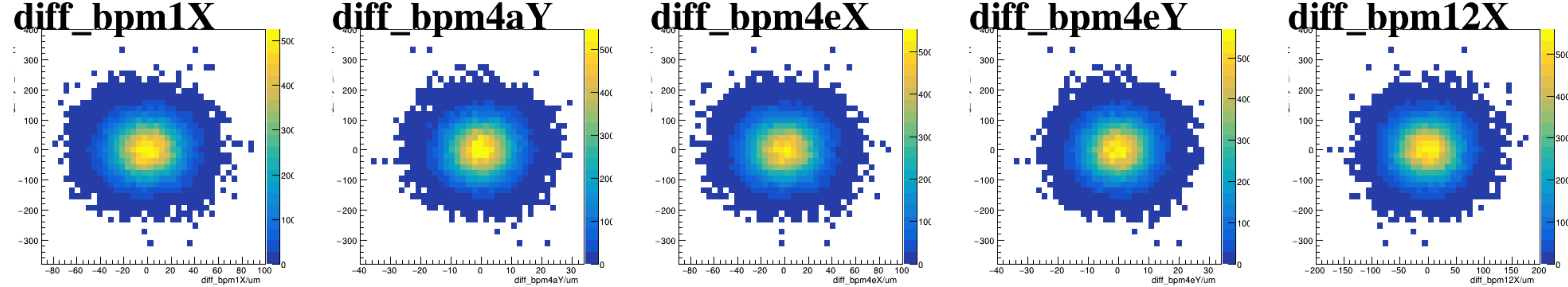
asym_sam5



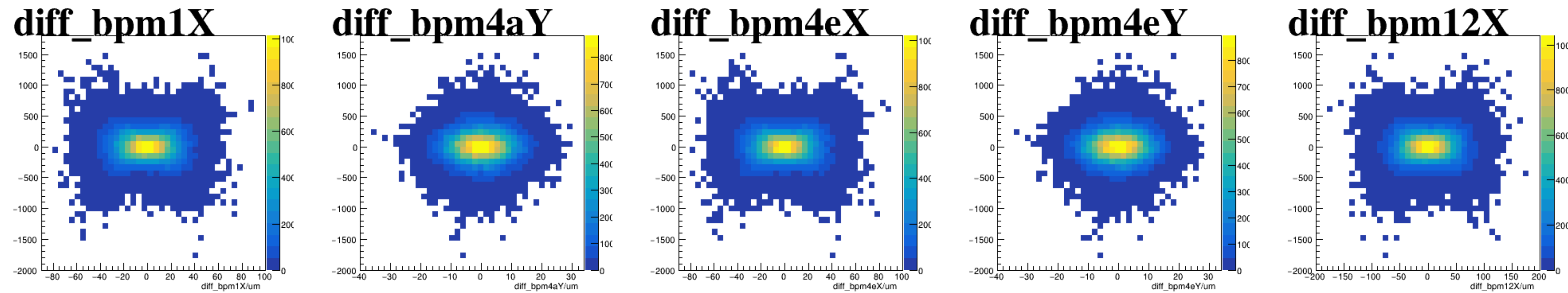
asym_sam7



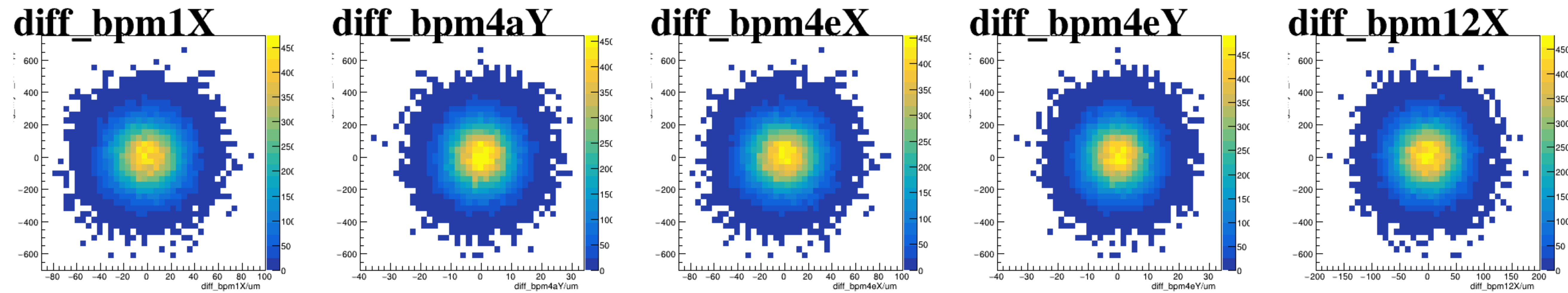
reg_asym_sam1



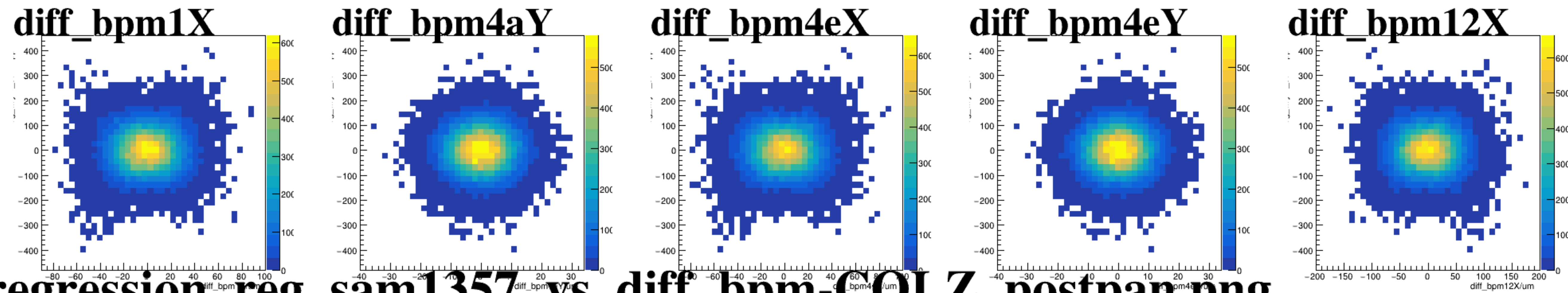
reg_asym_sam3



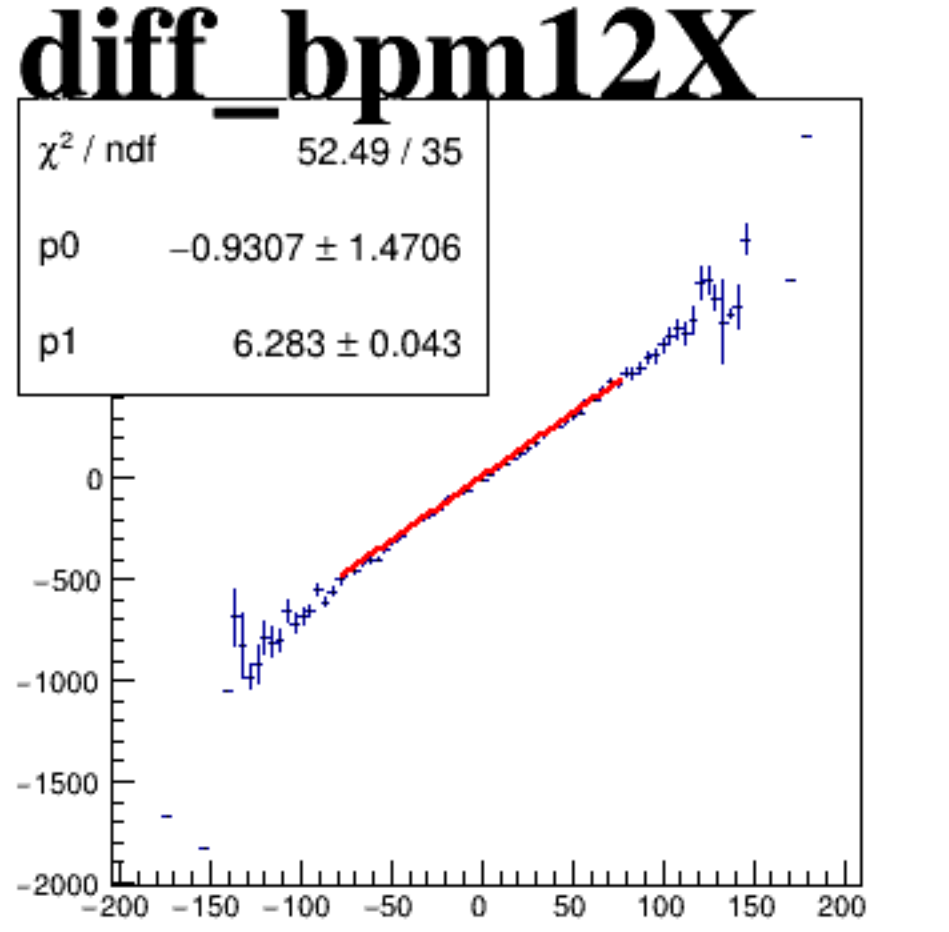
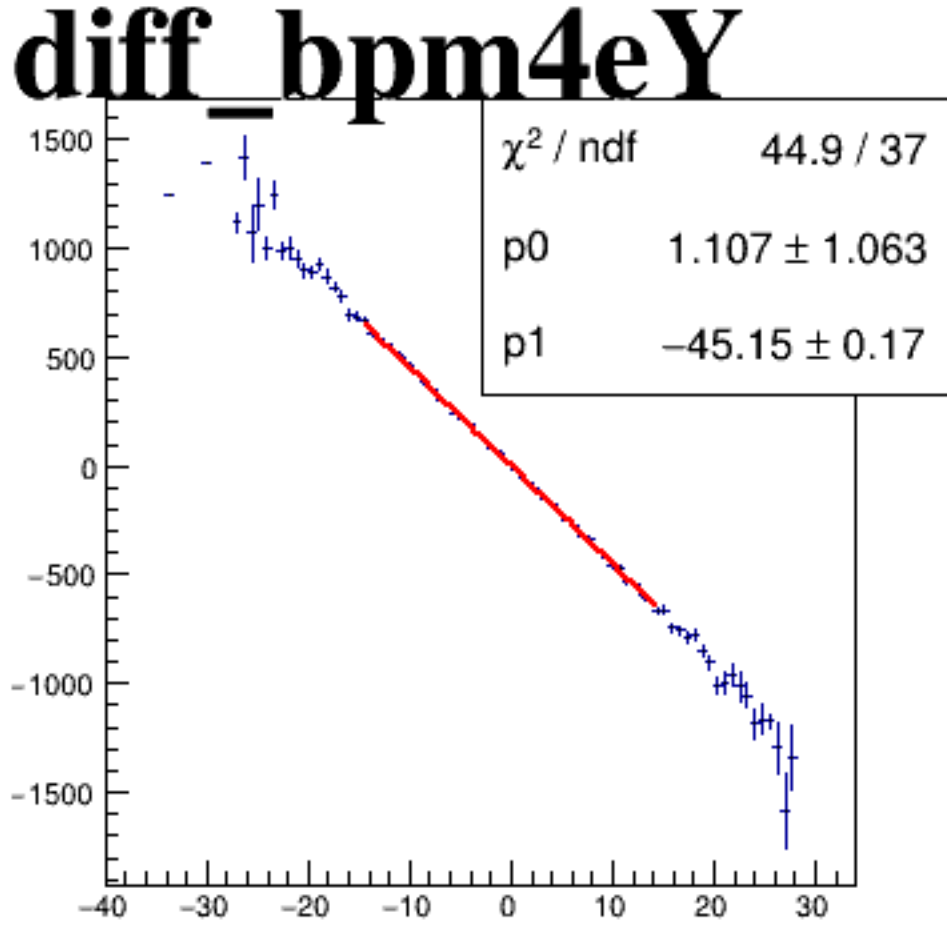
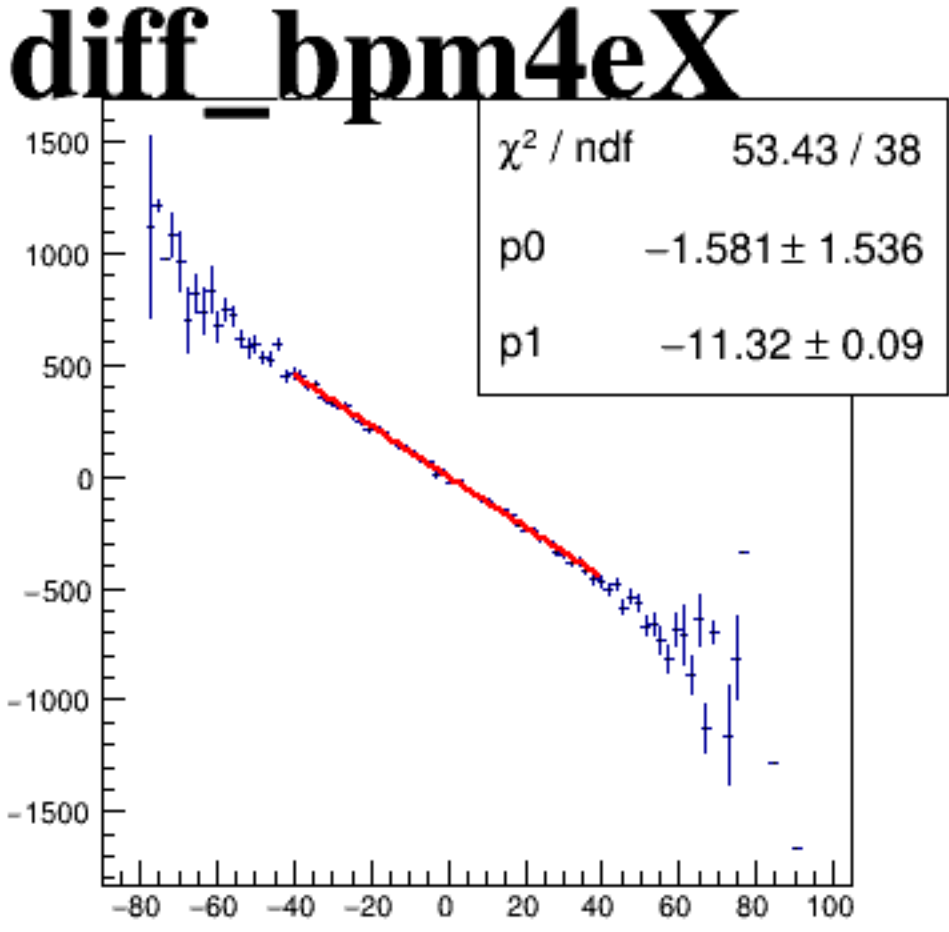
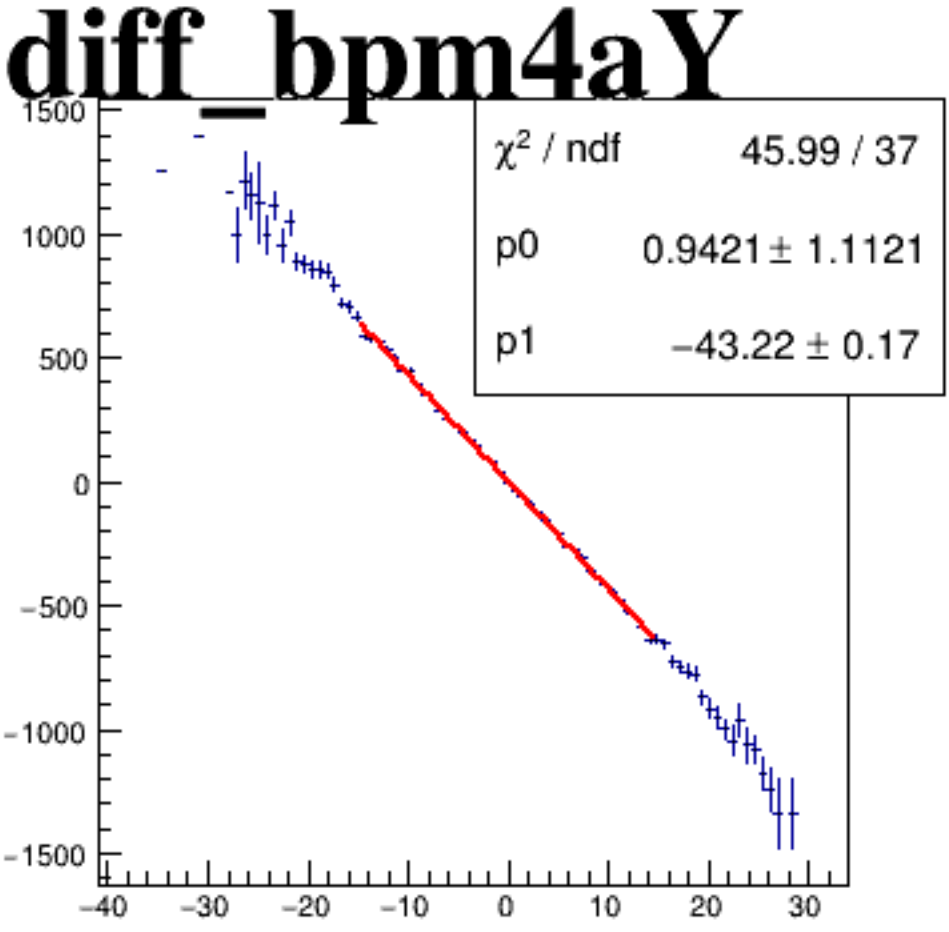
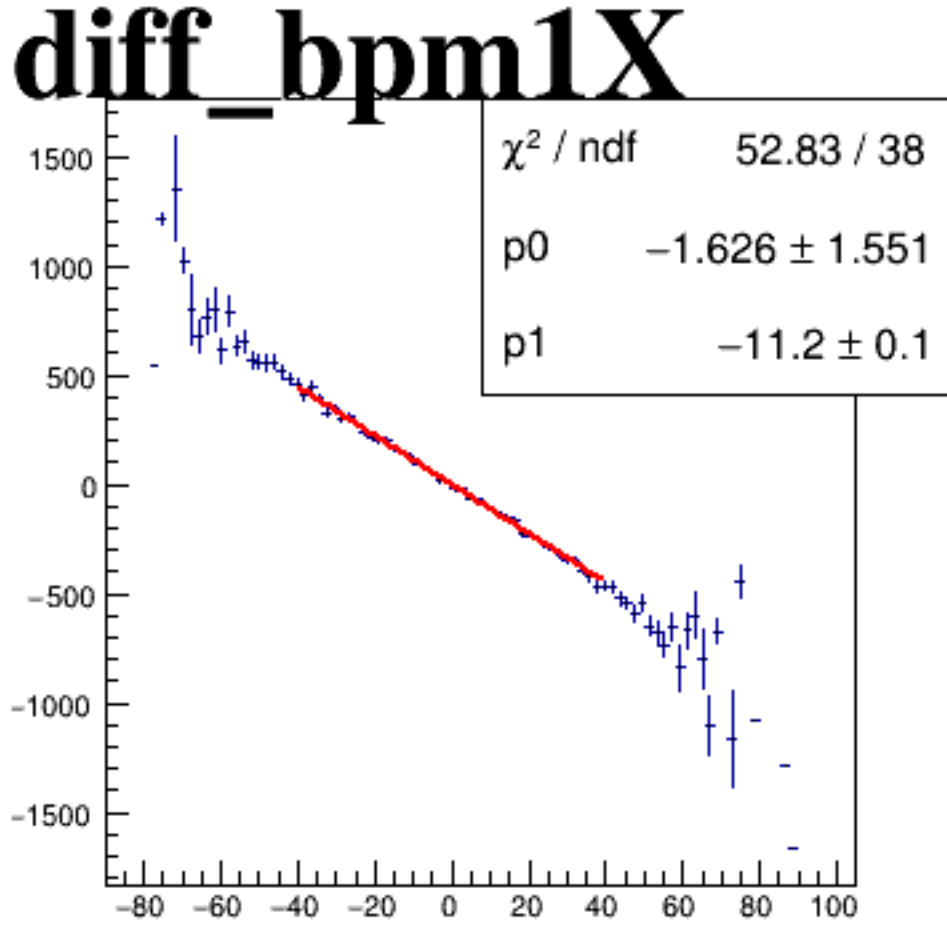
reg_asym_sam5



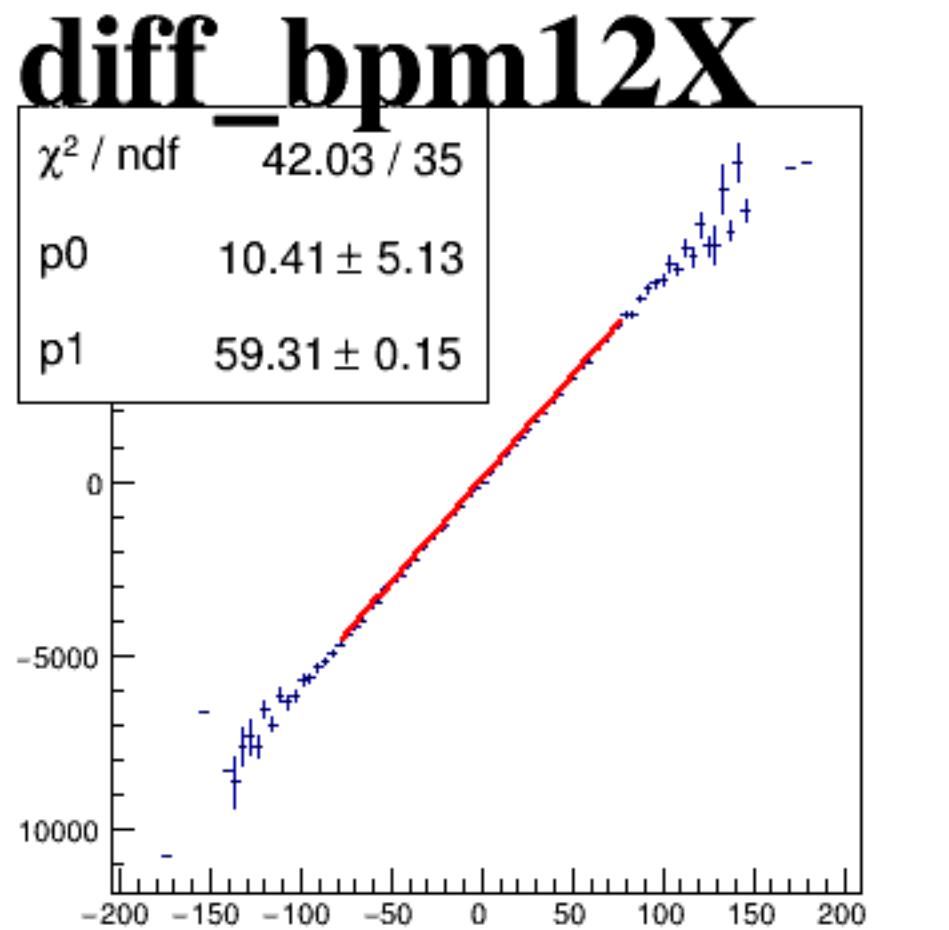
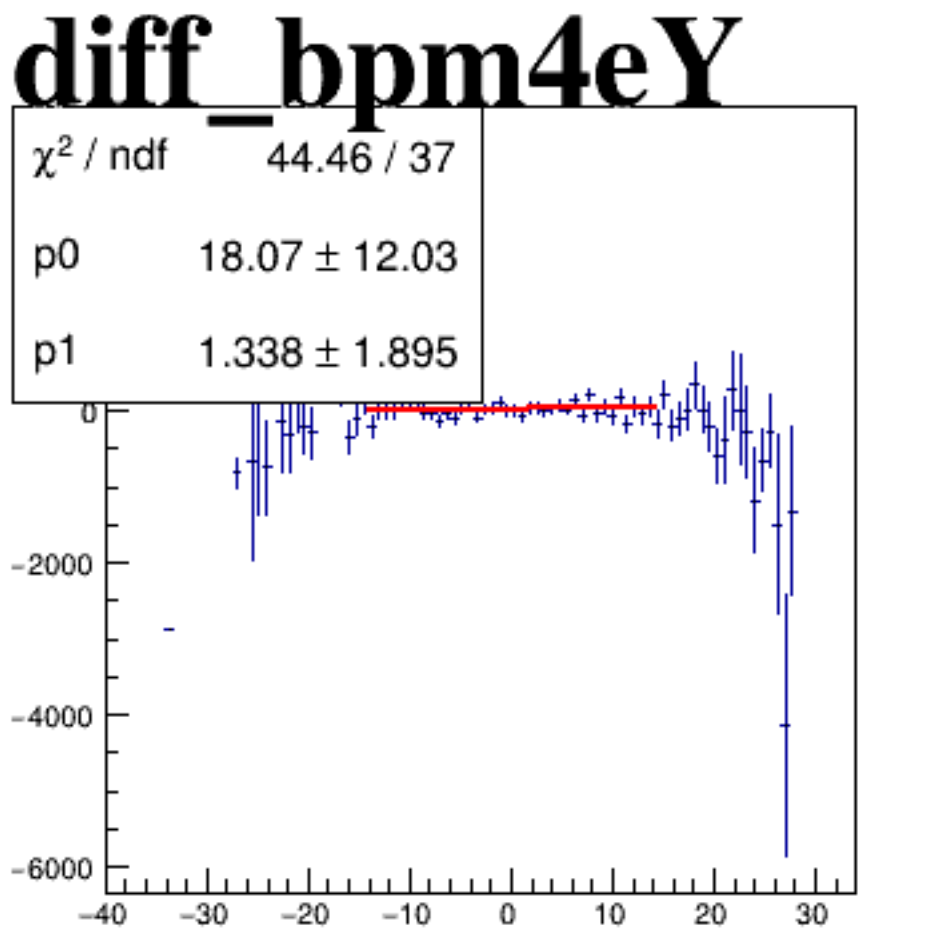
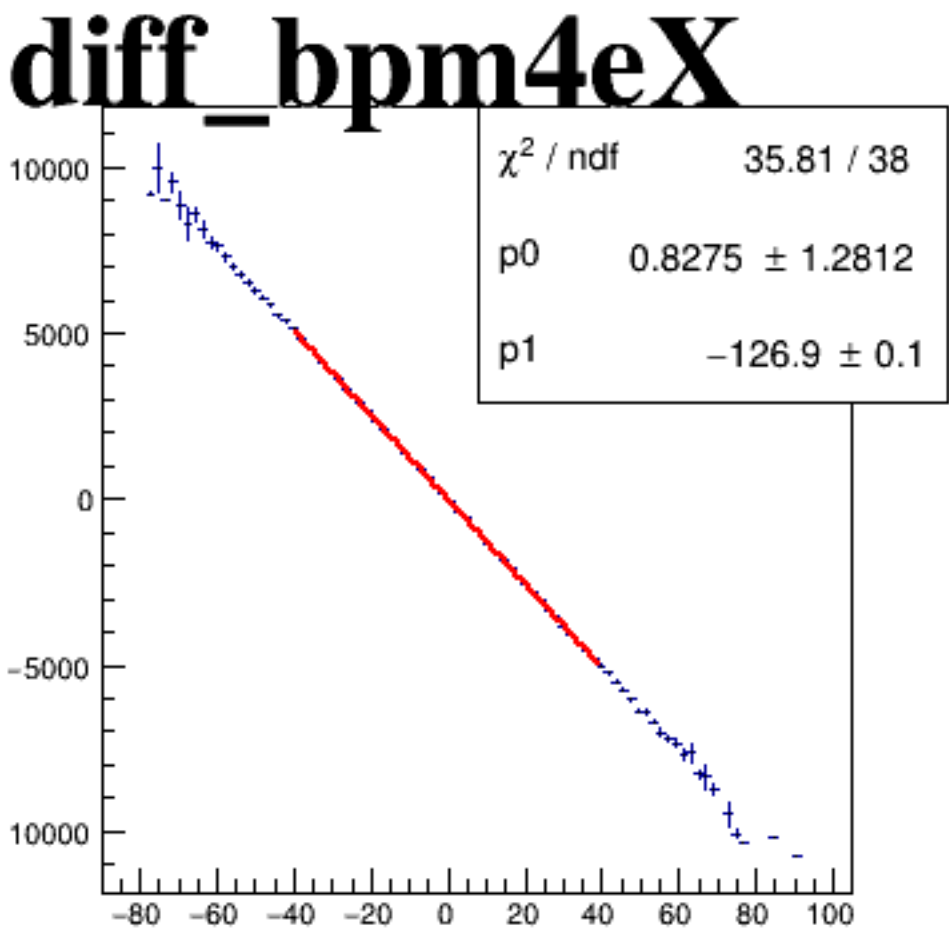
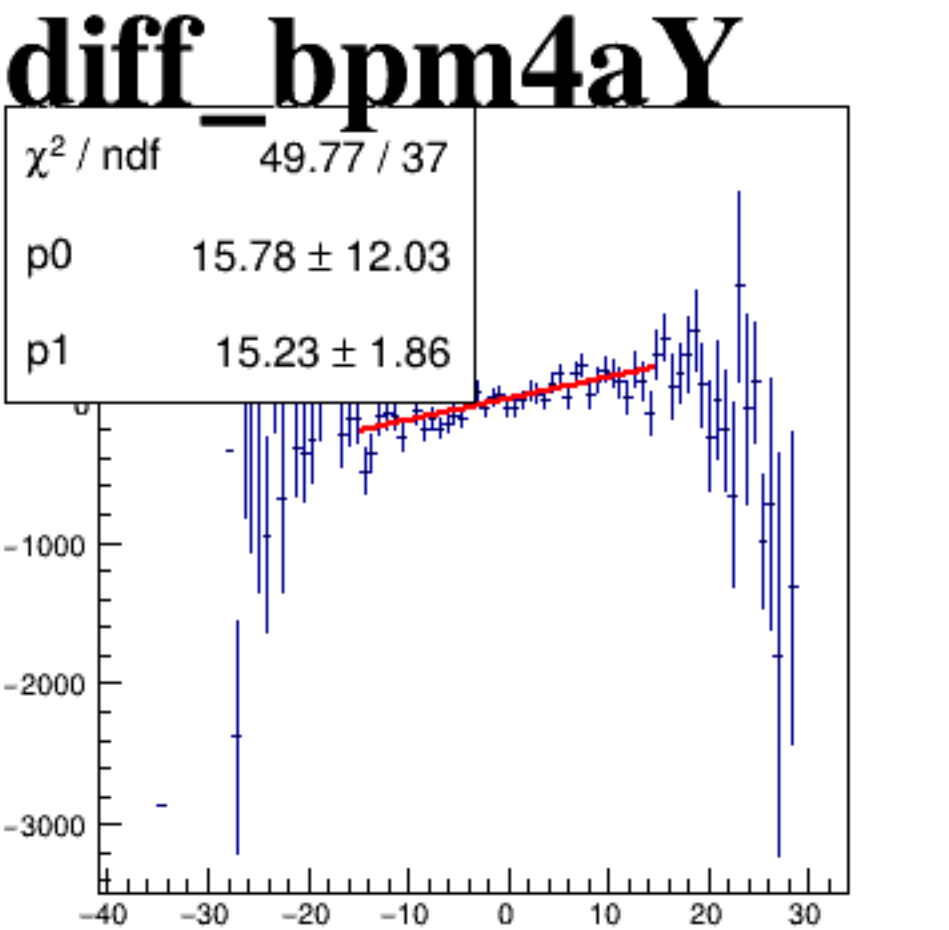
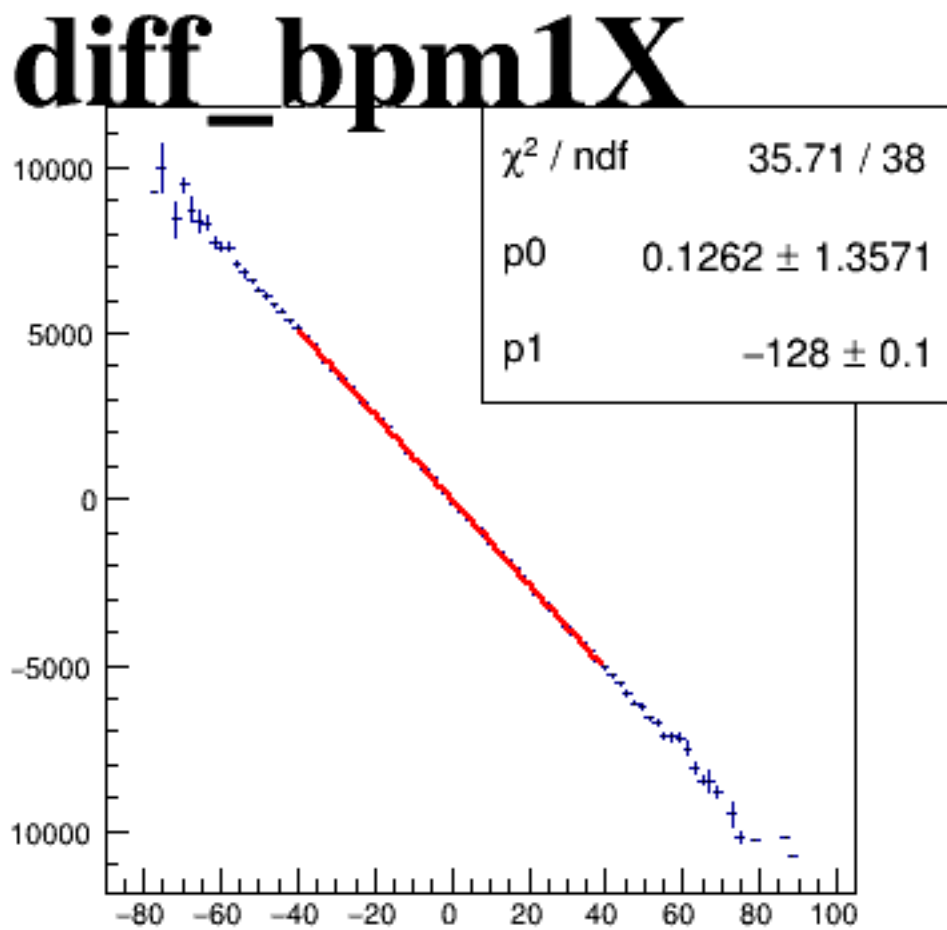
reg_asym_sam7



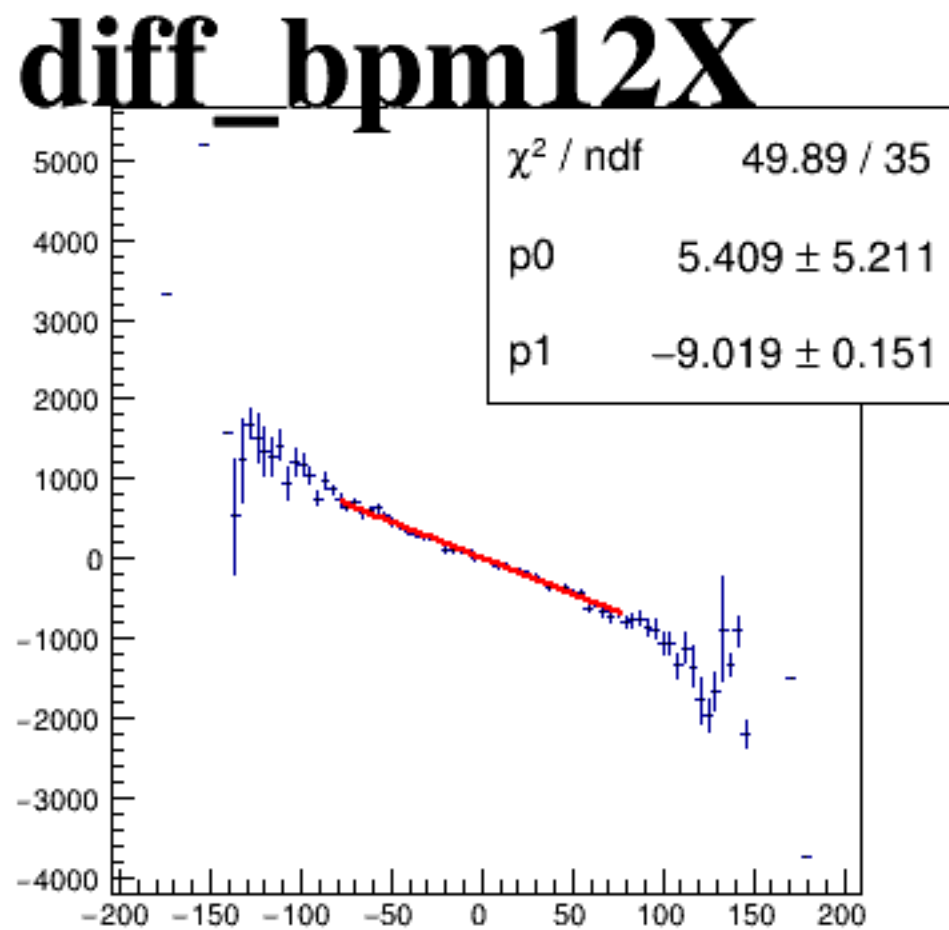
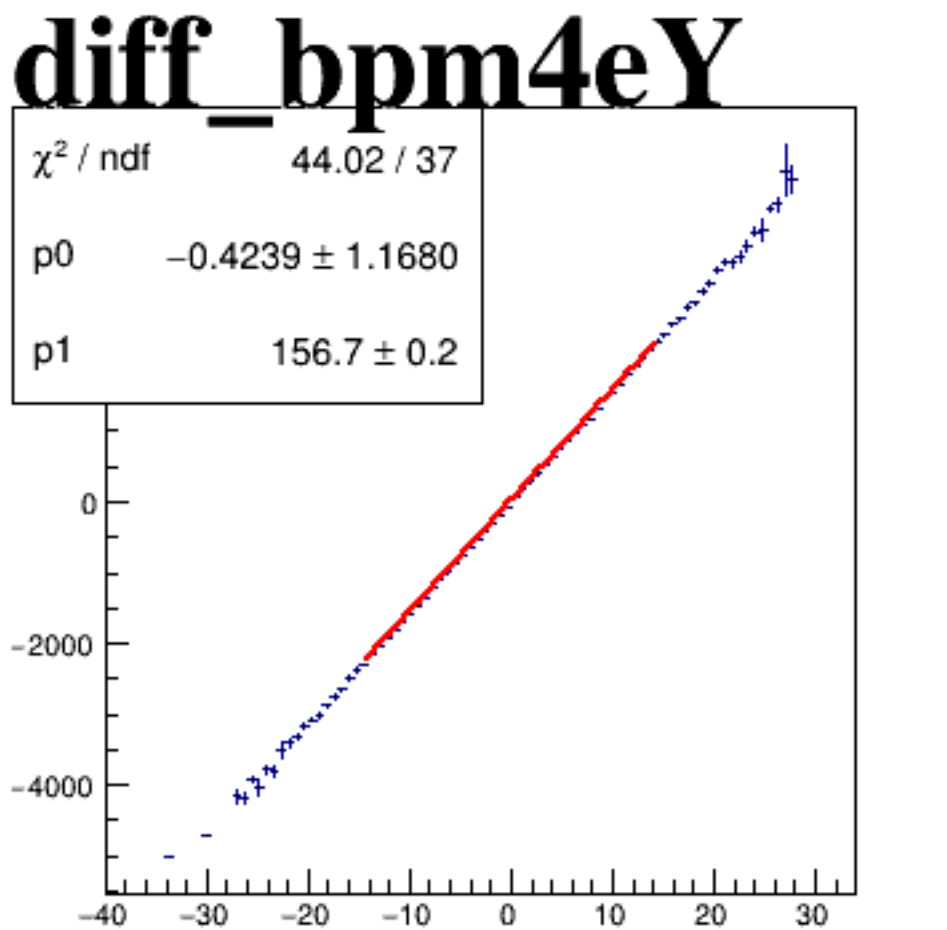
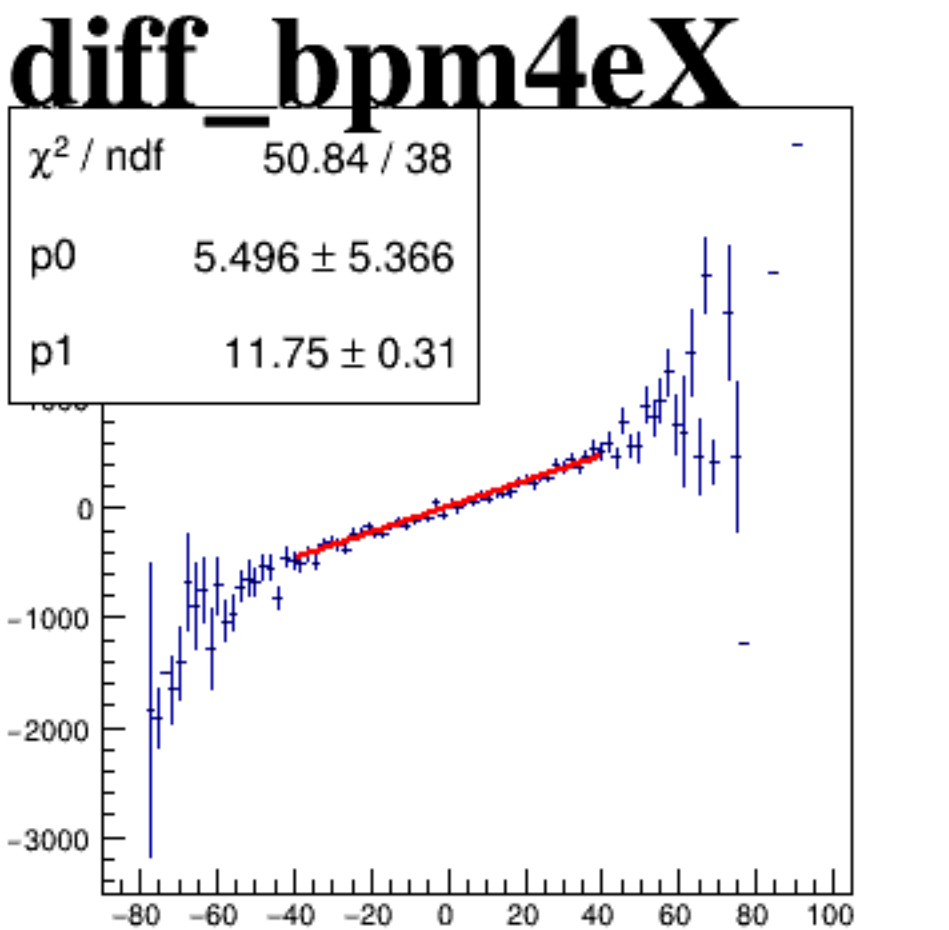
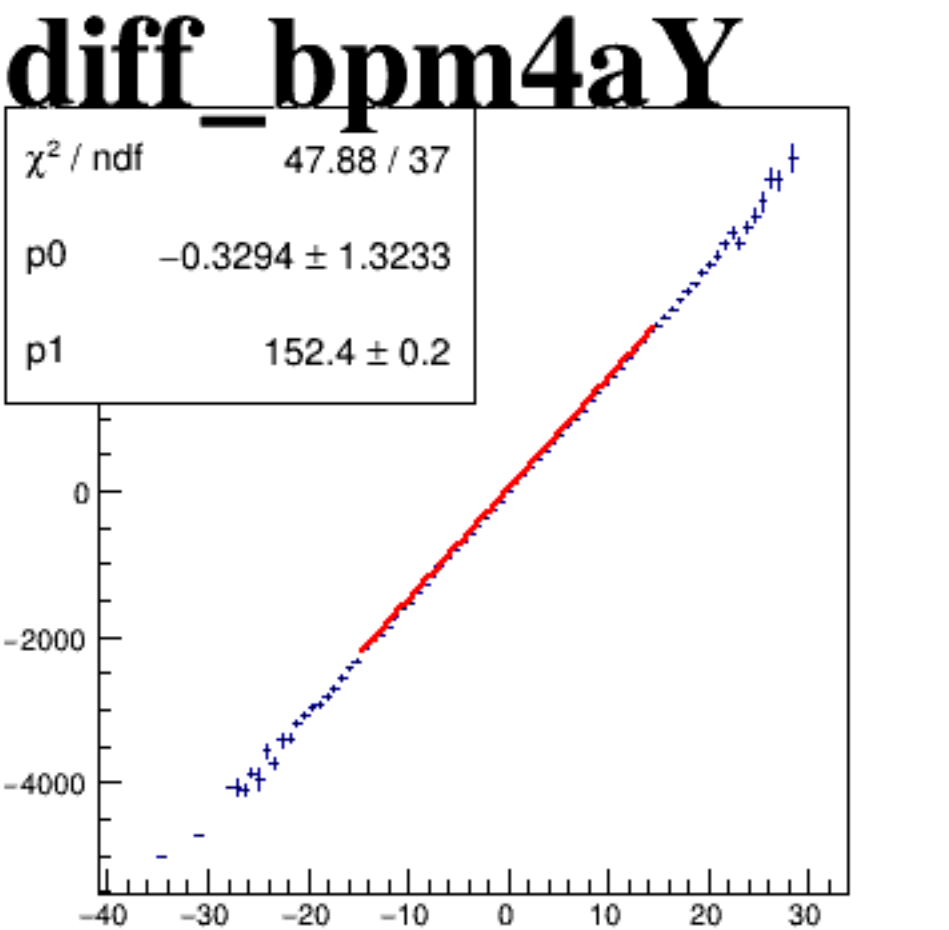
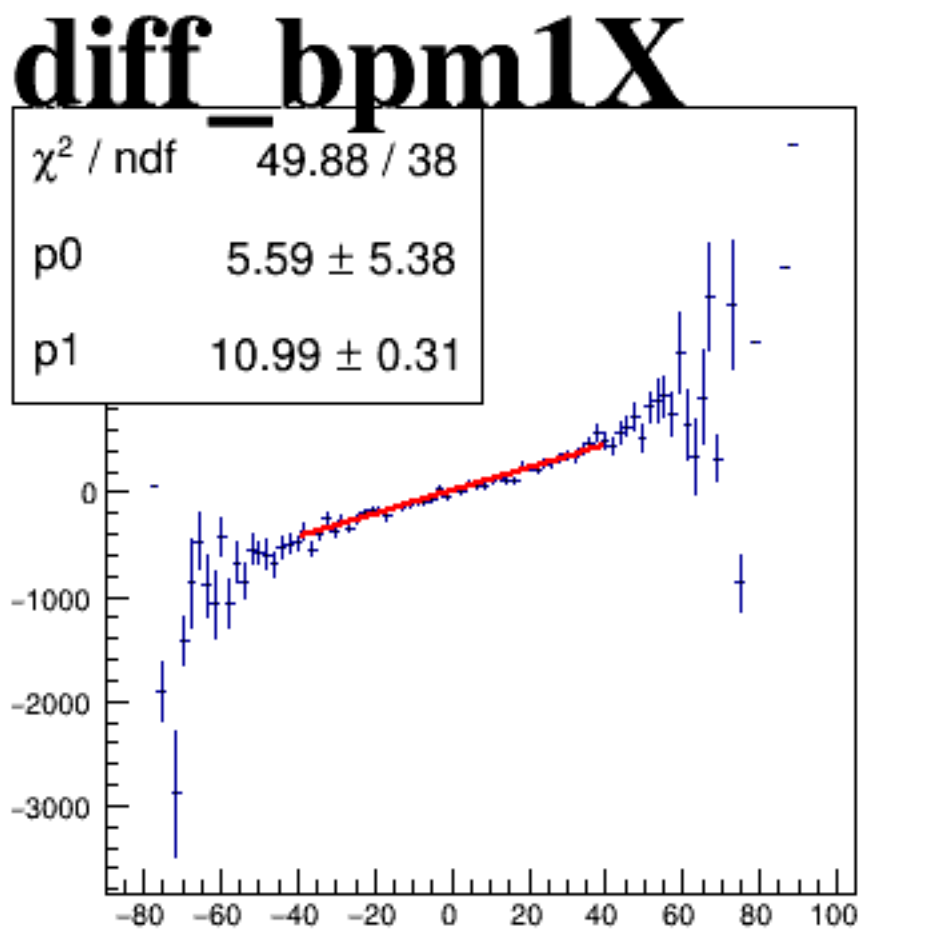
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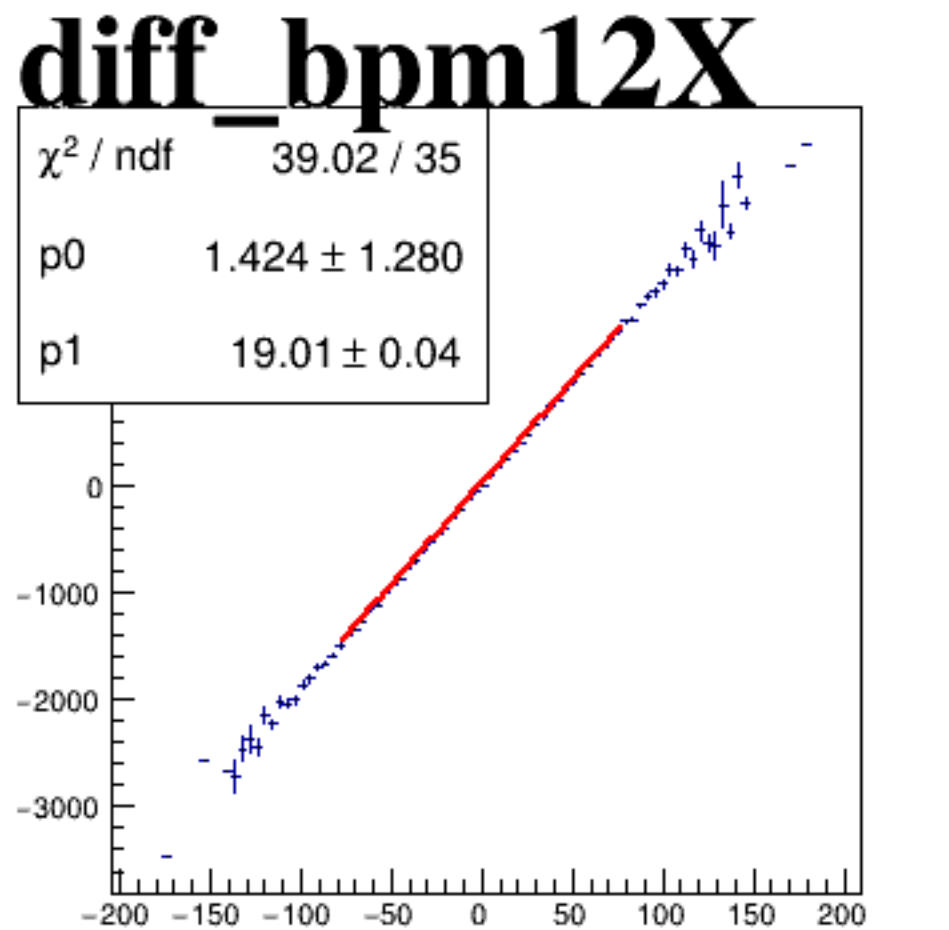
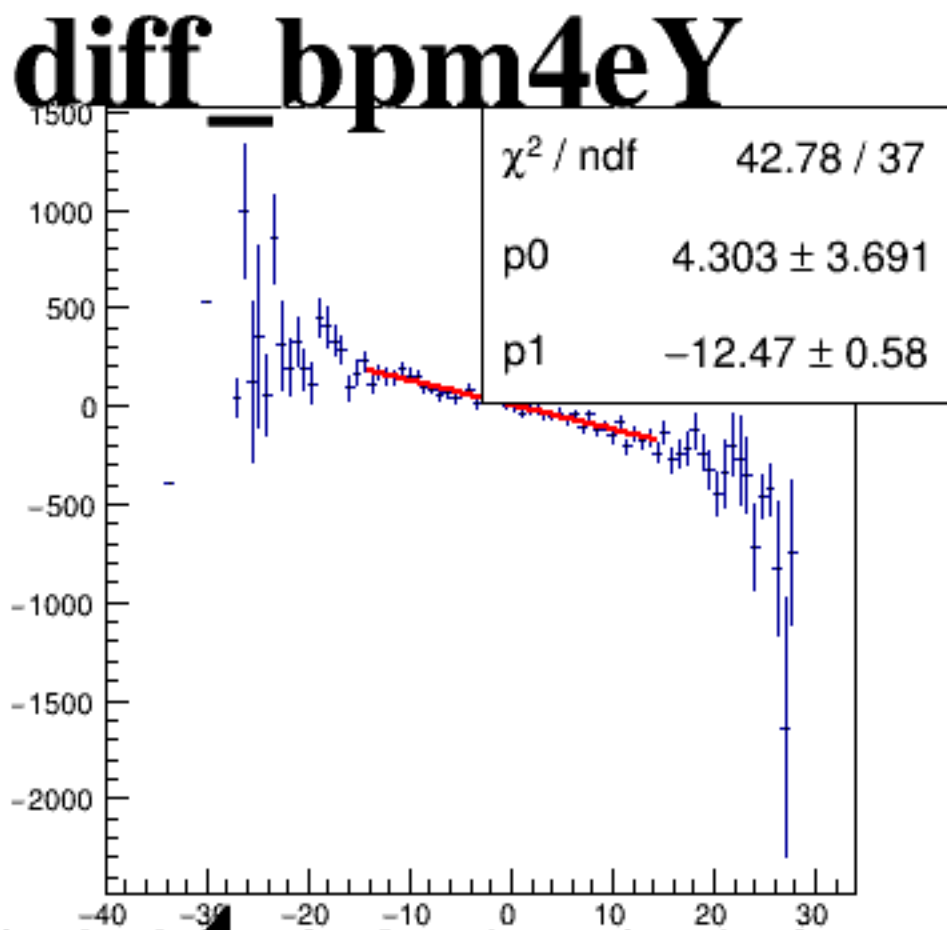
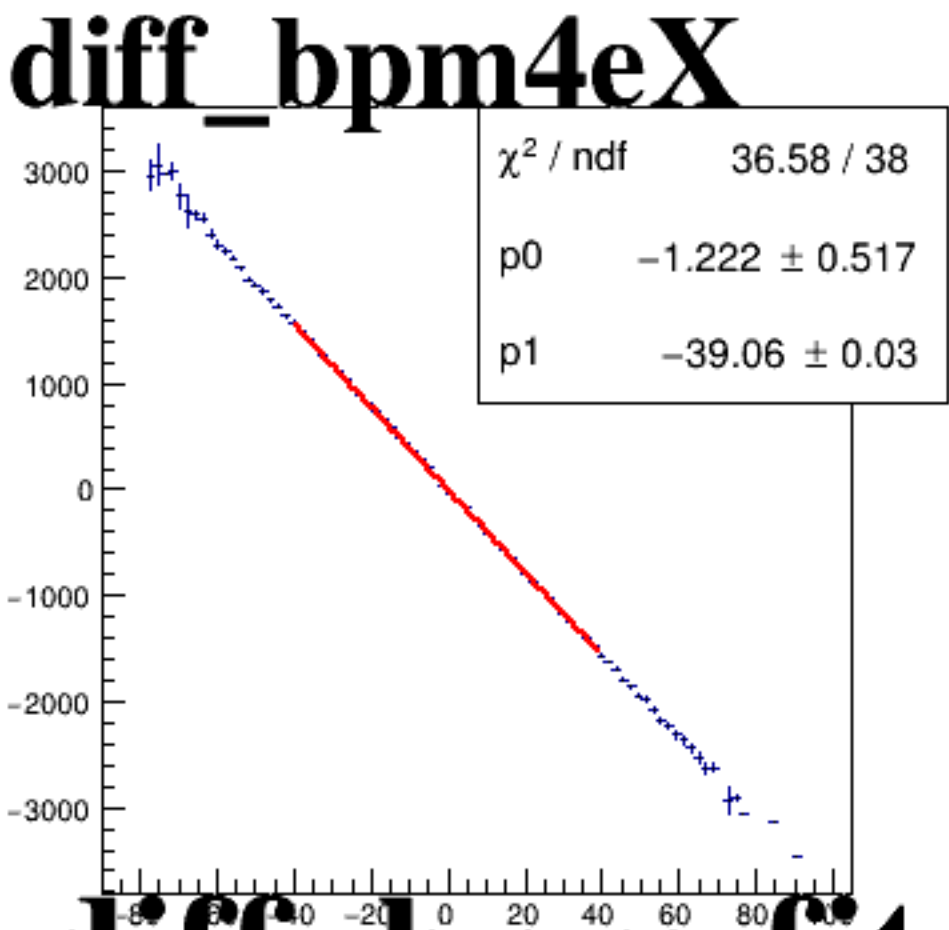
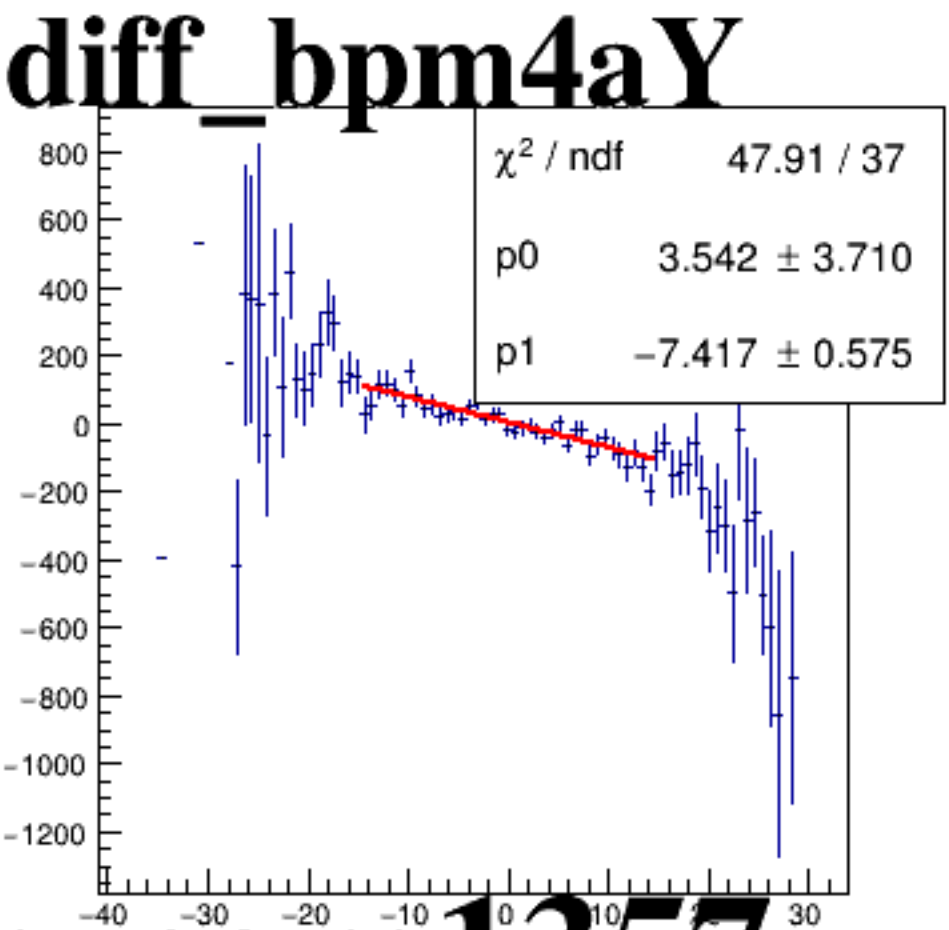
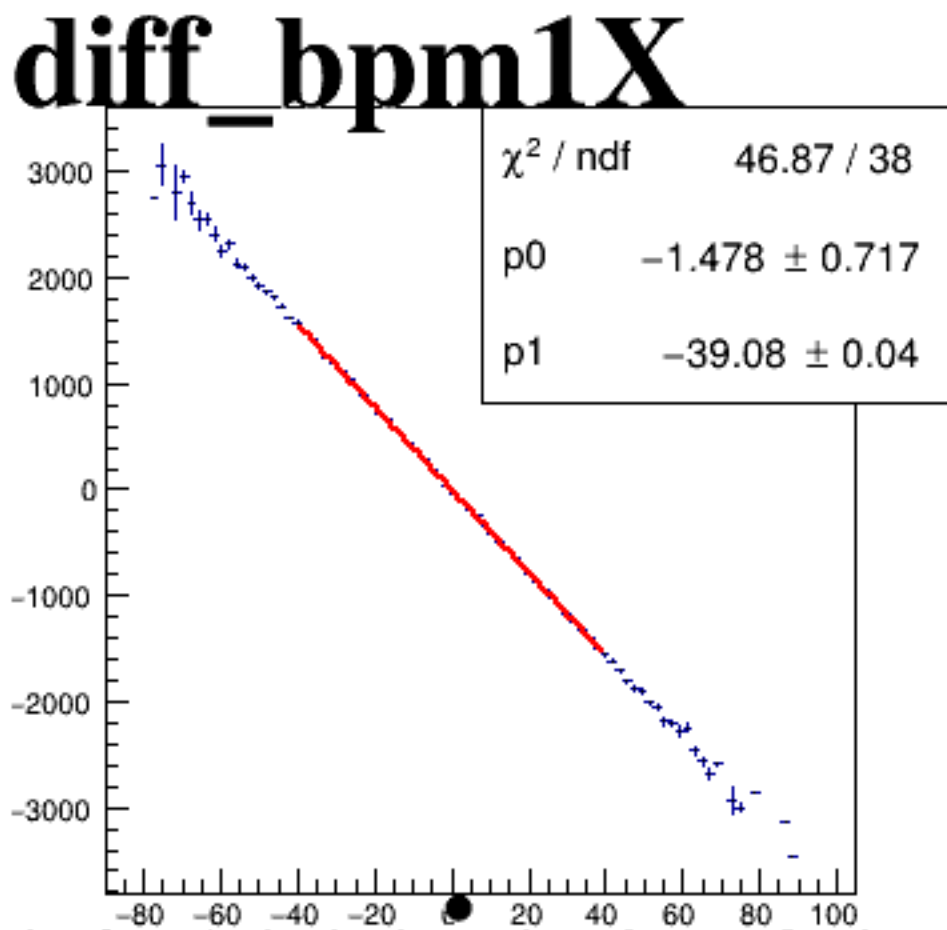
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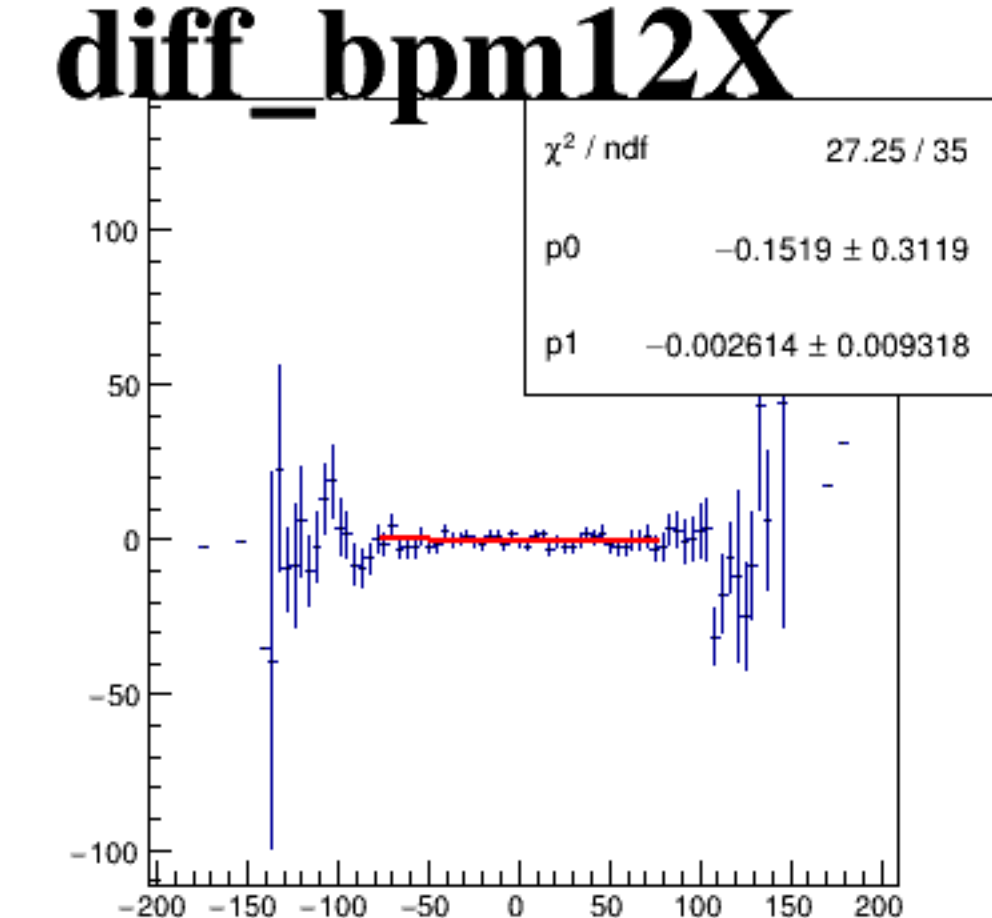
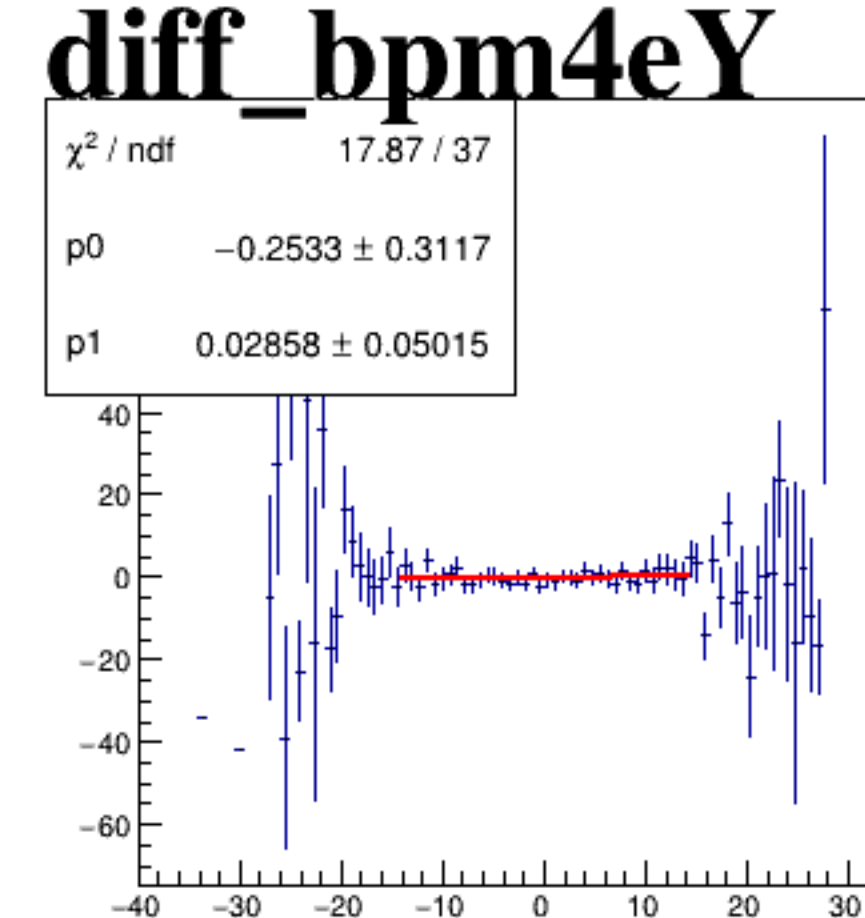
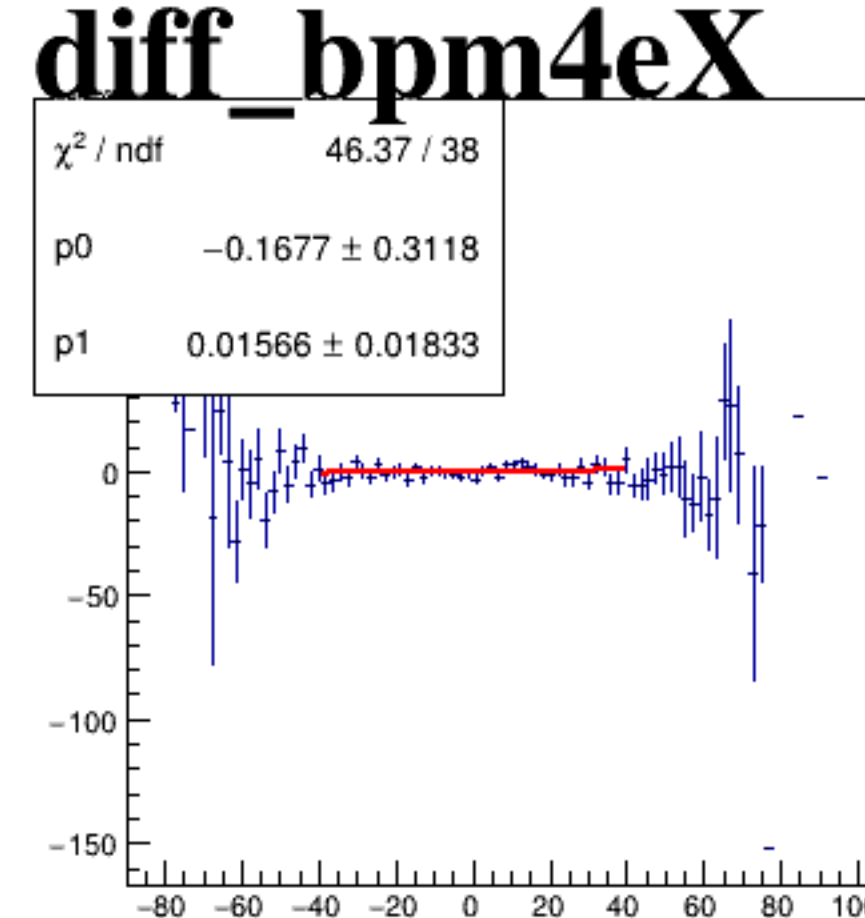
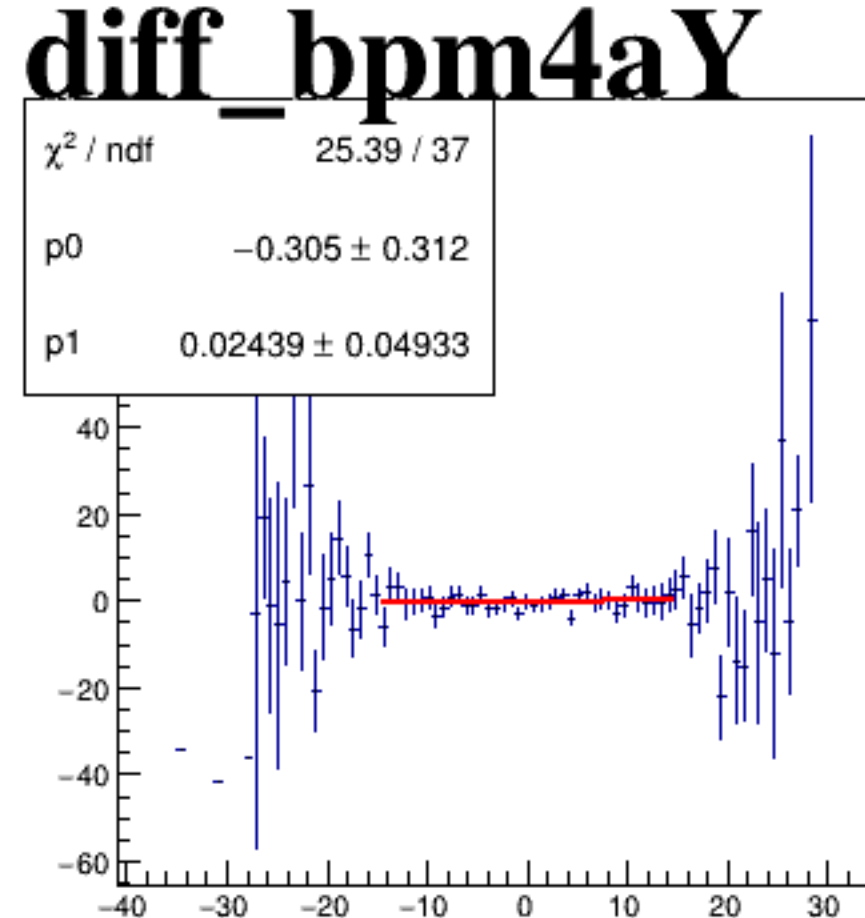
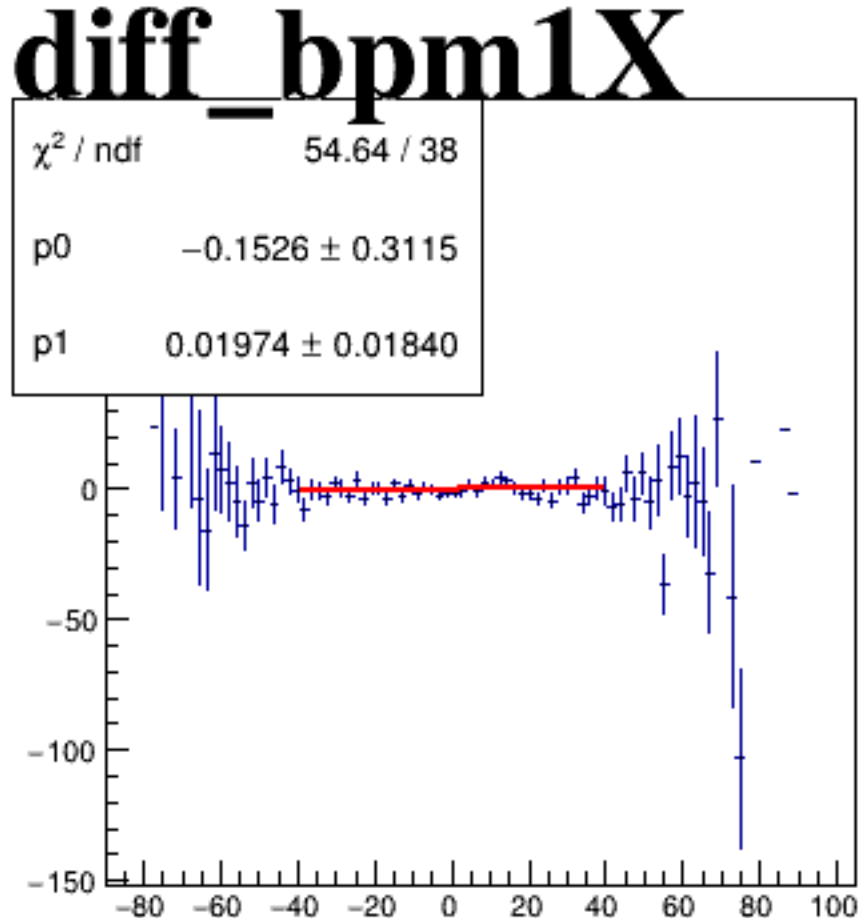
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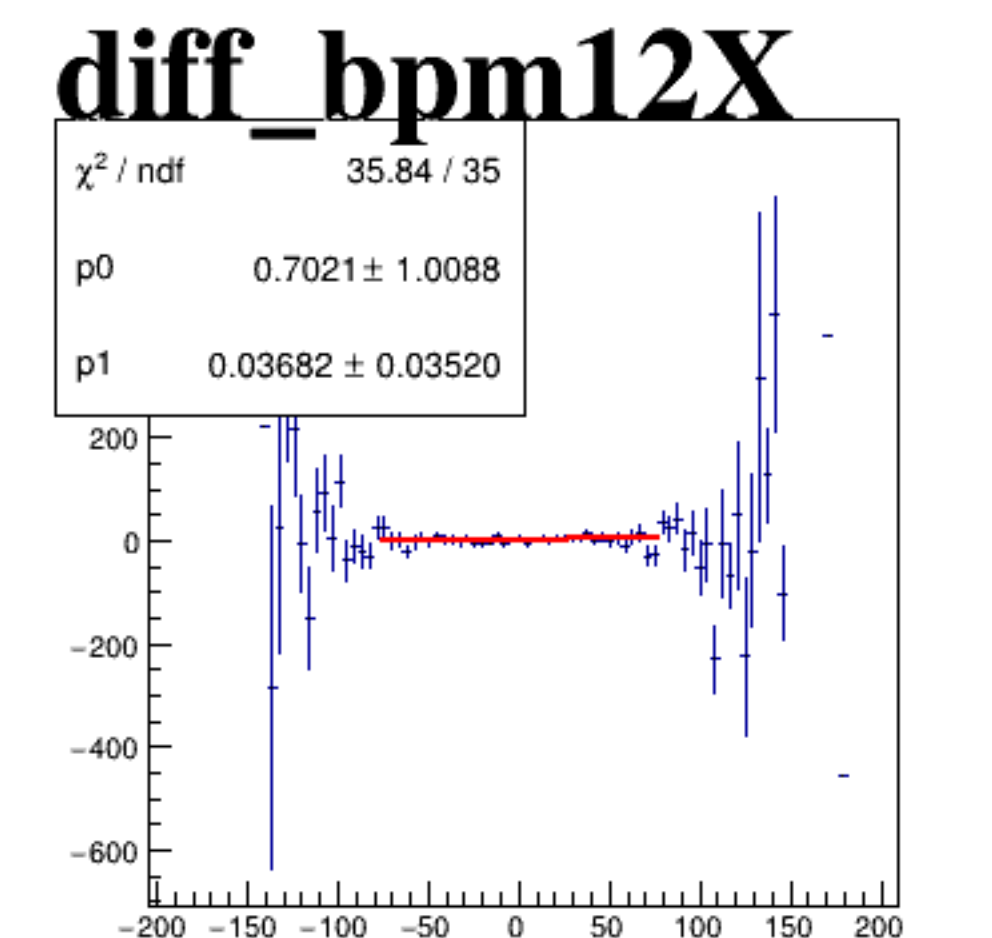
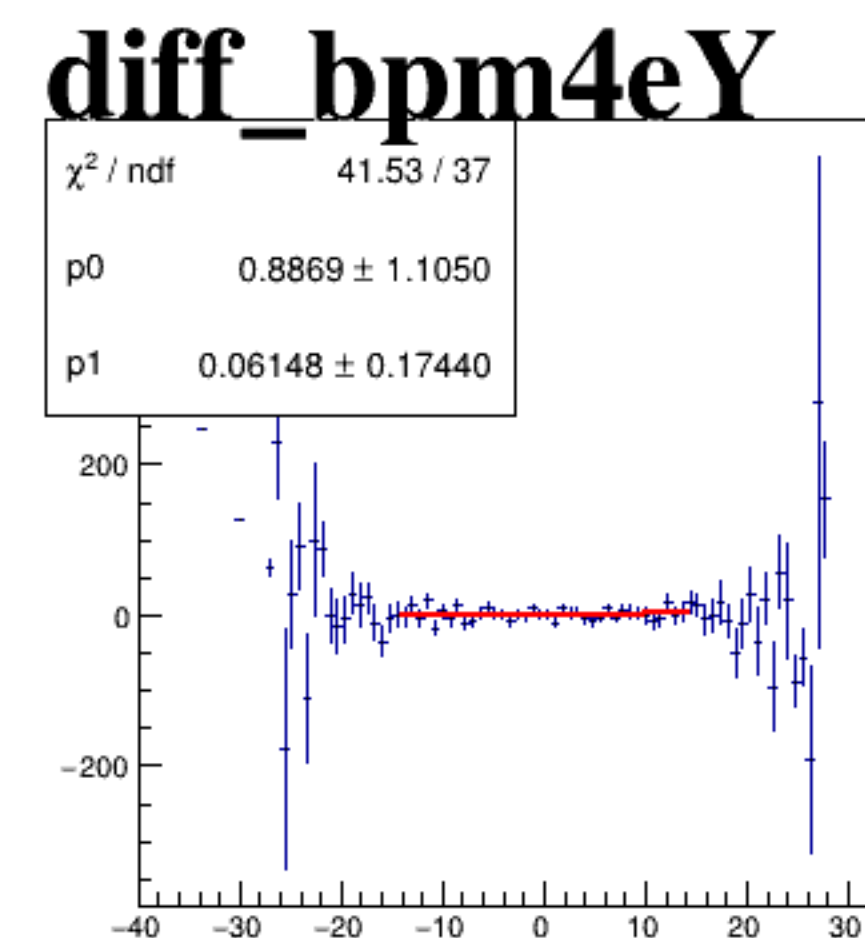
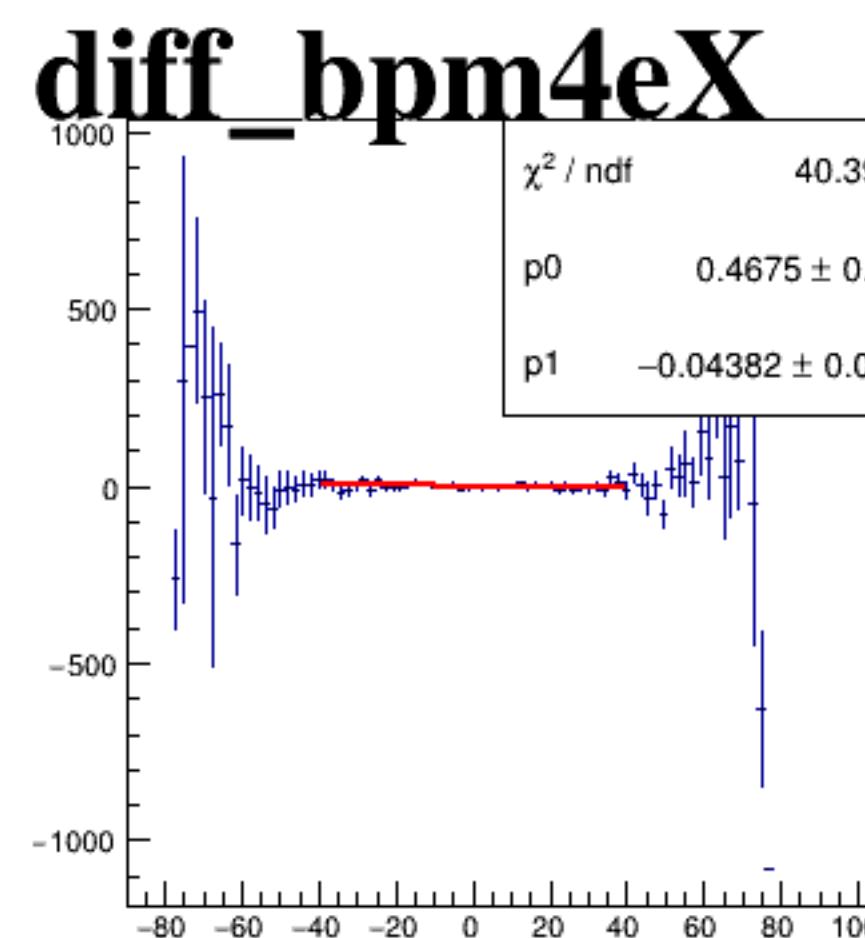
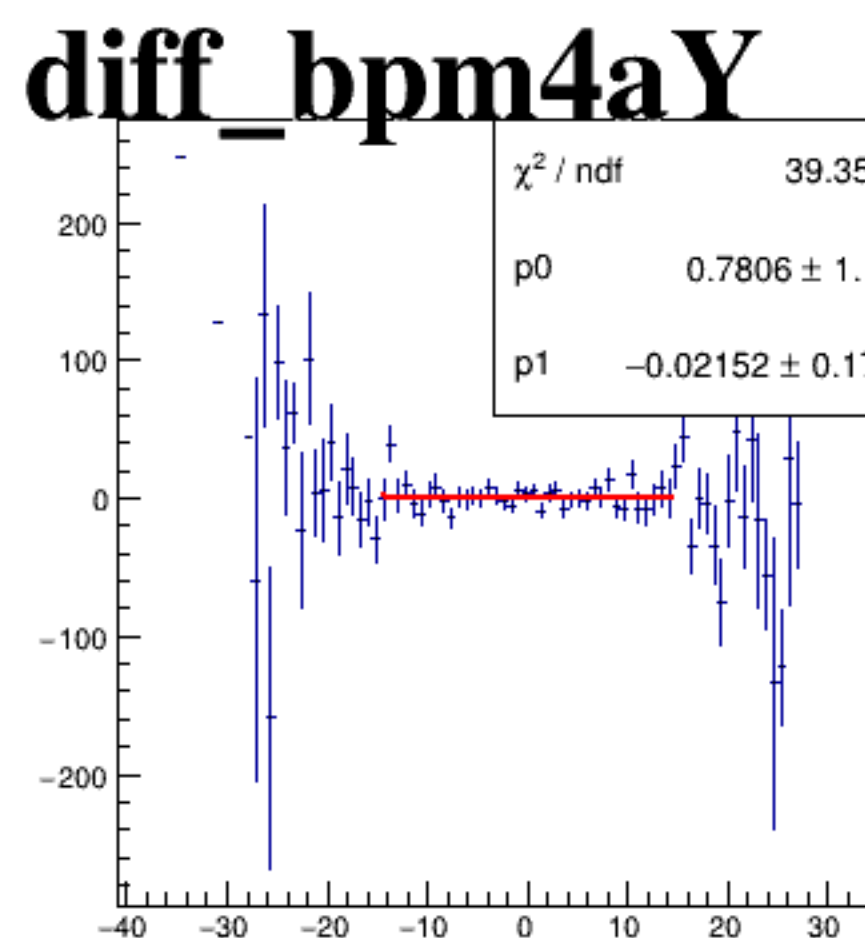
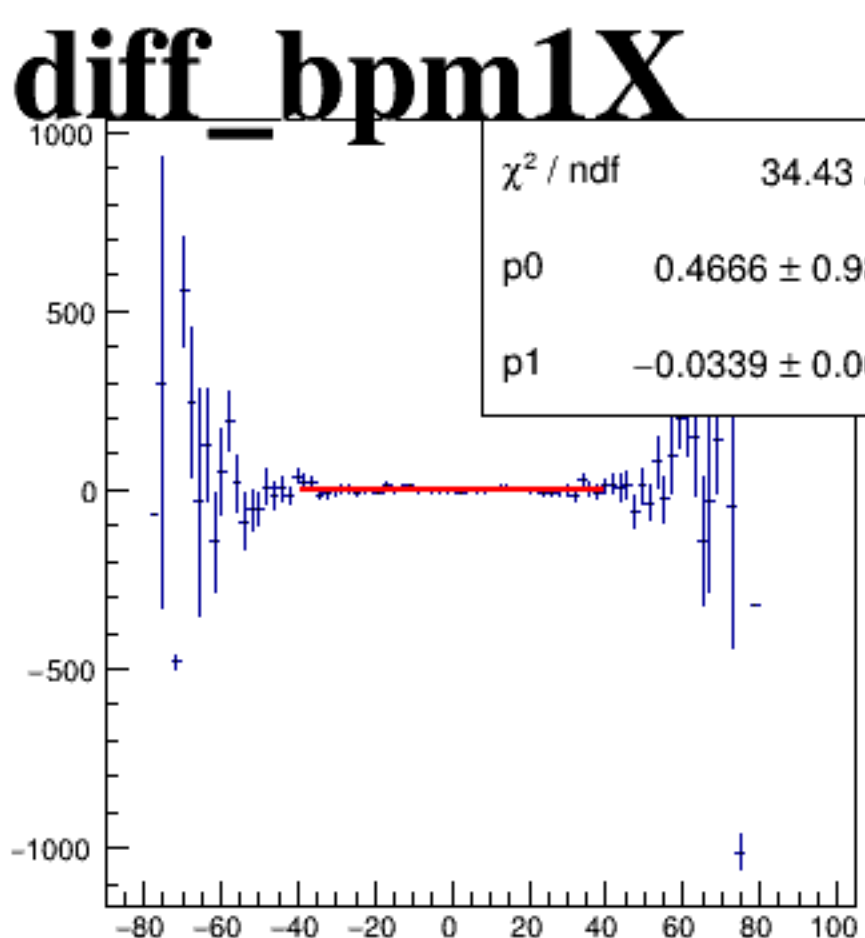
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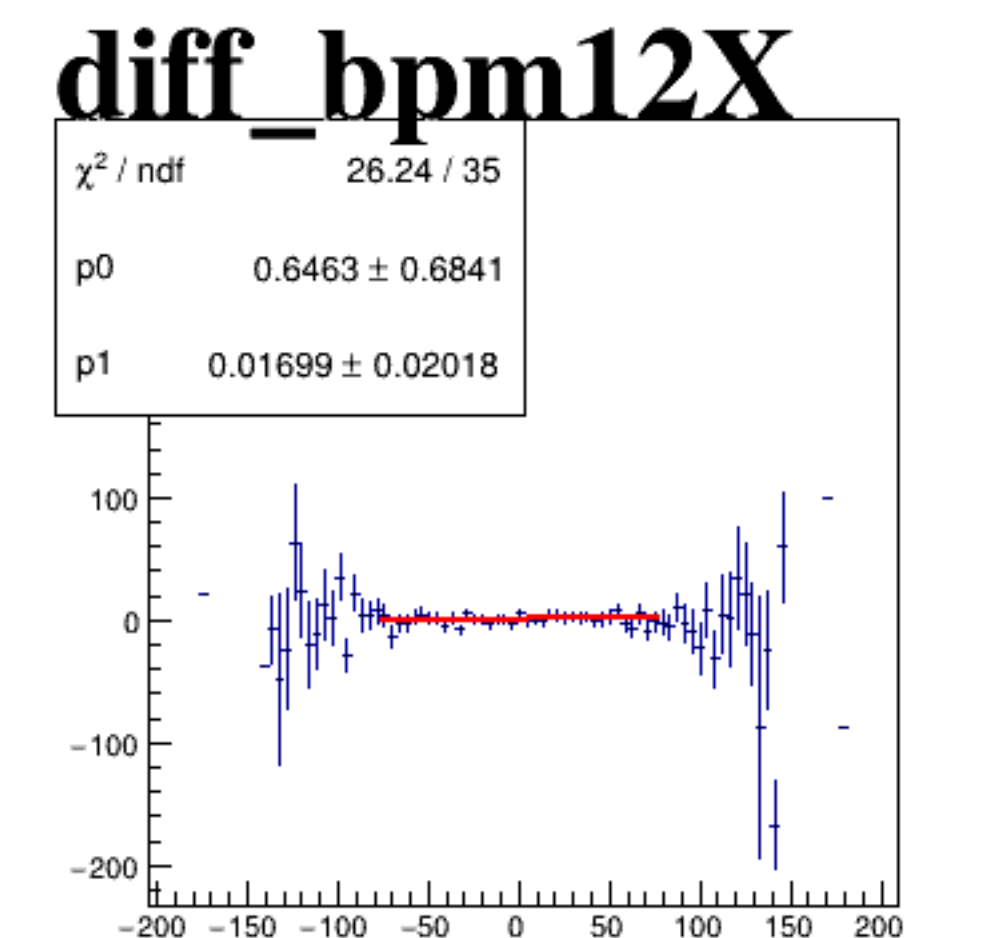
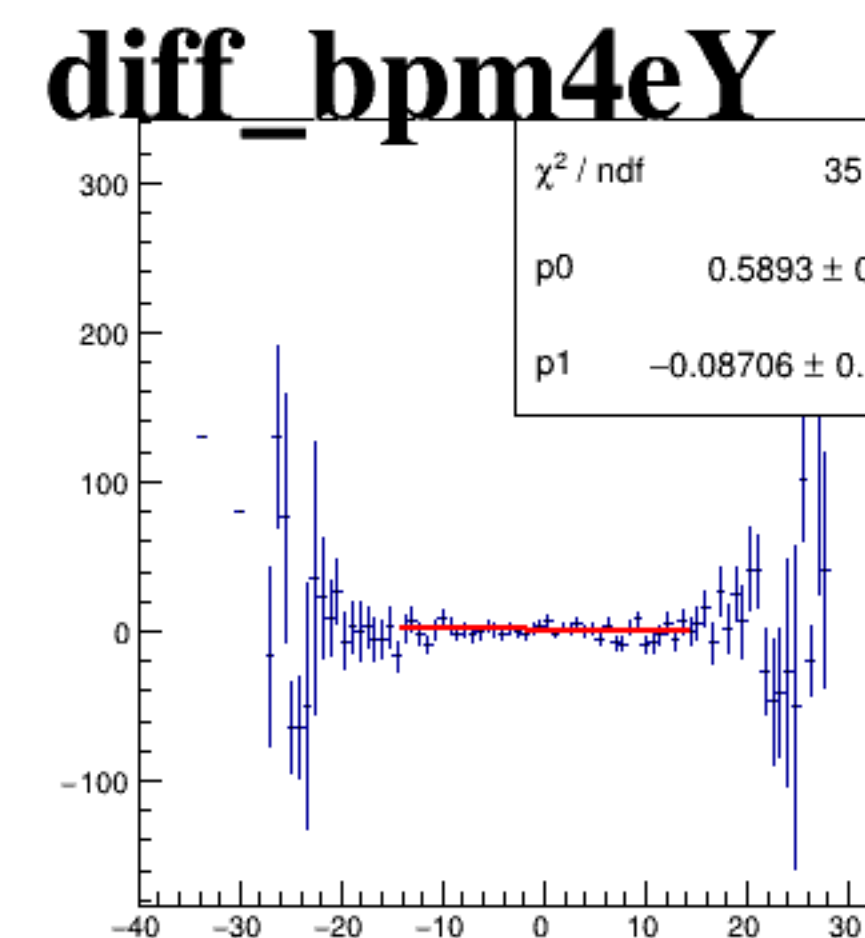
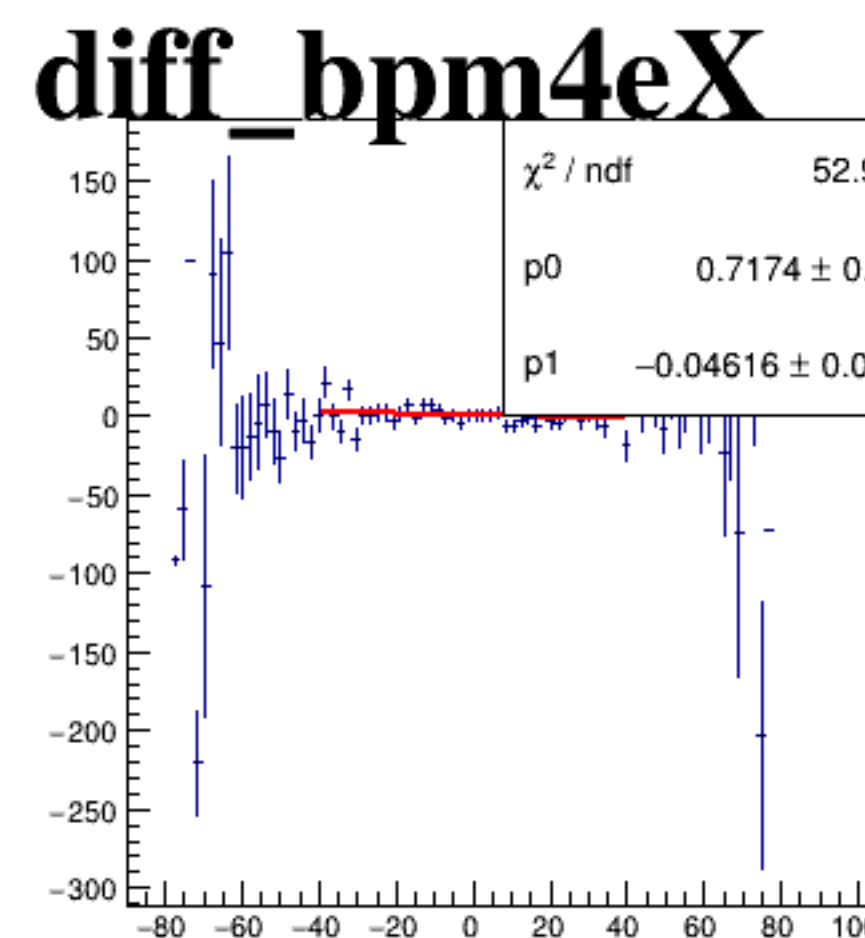
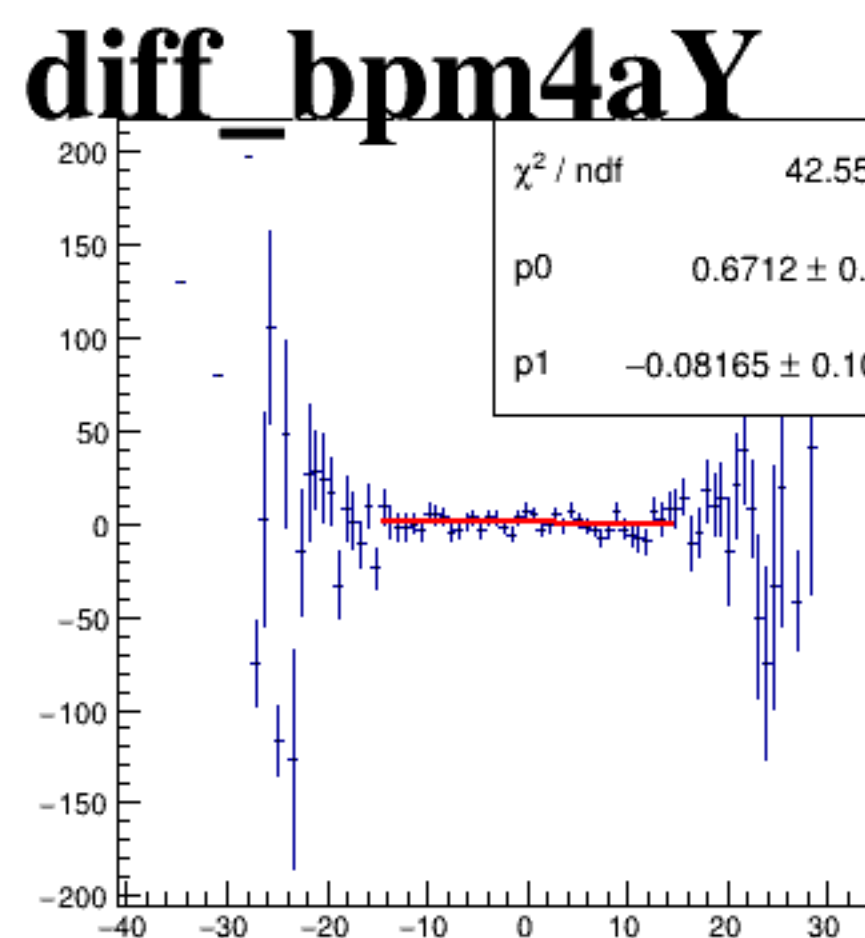
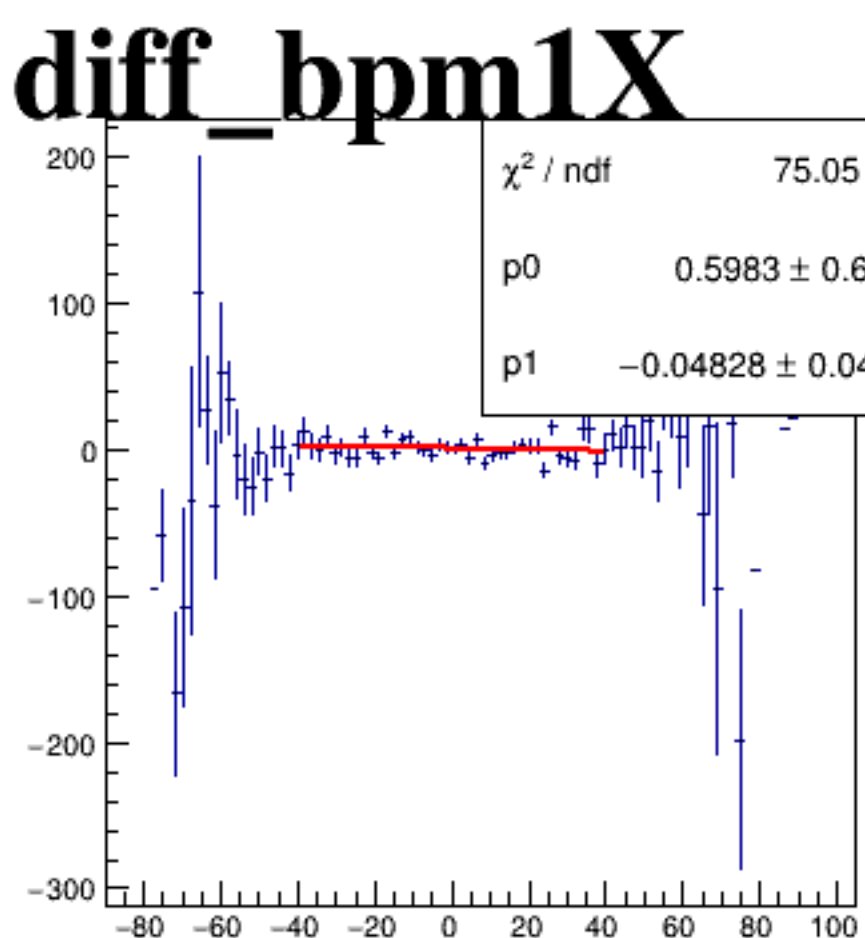
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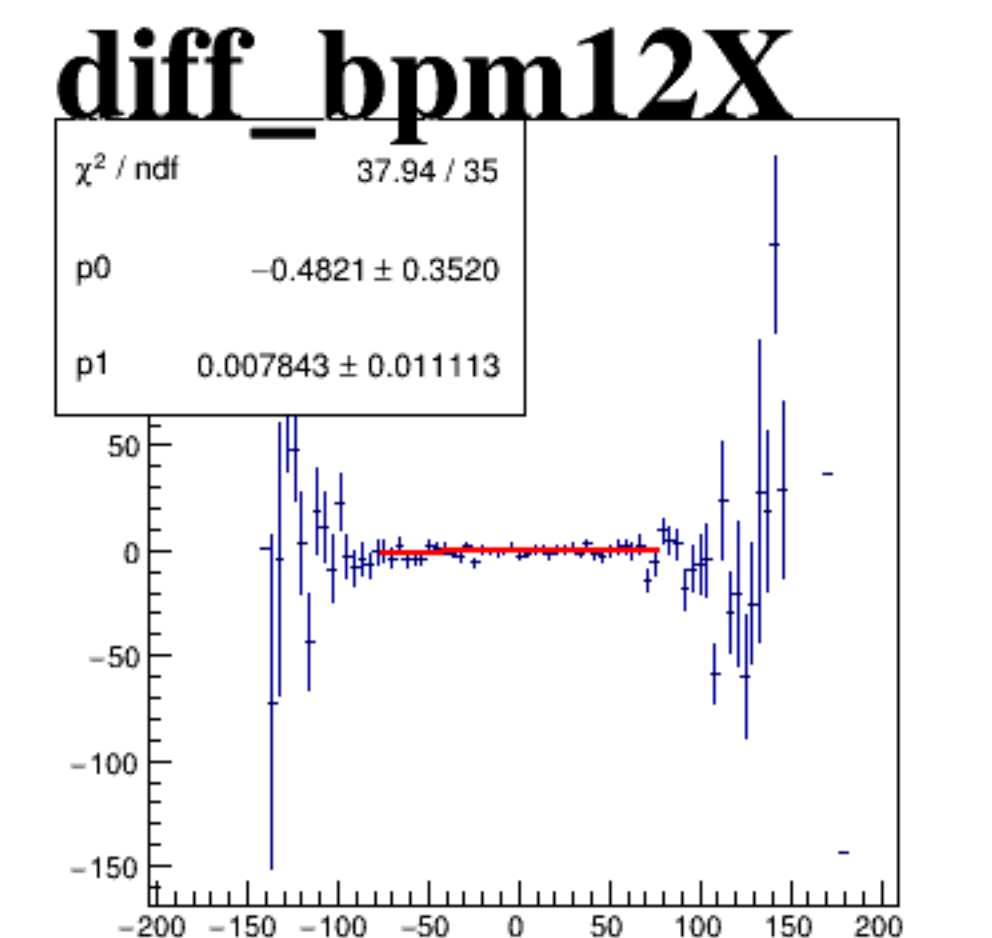
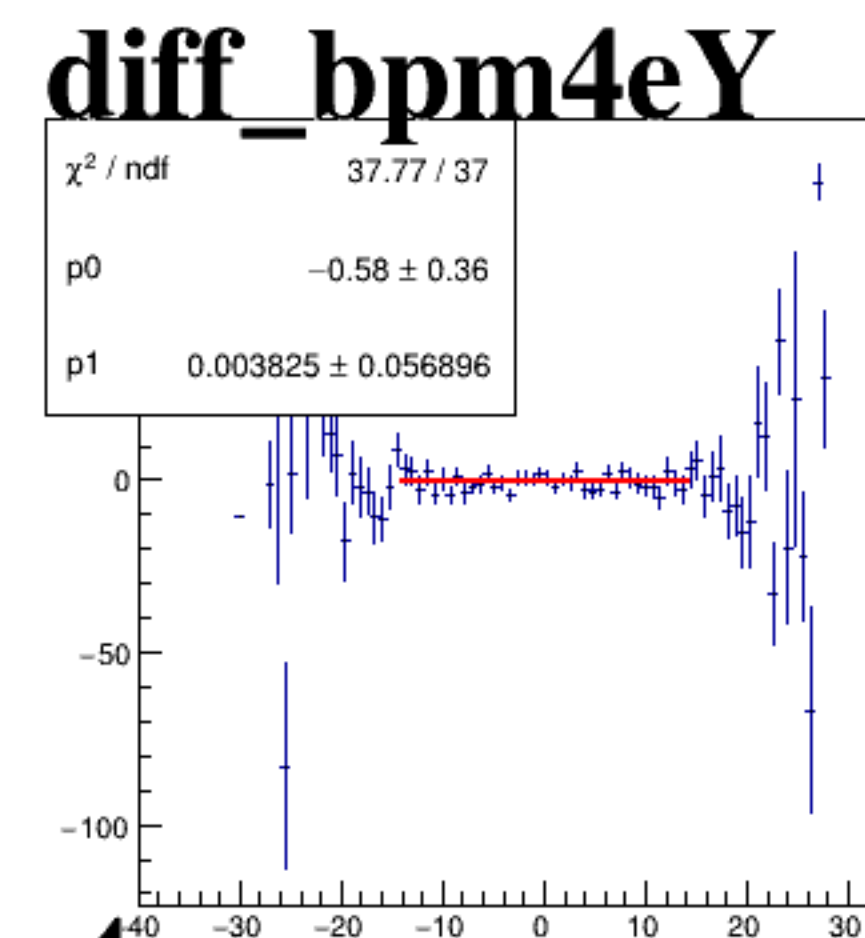
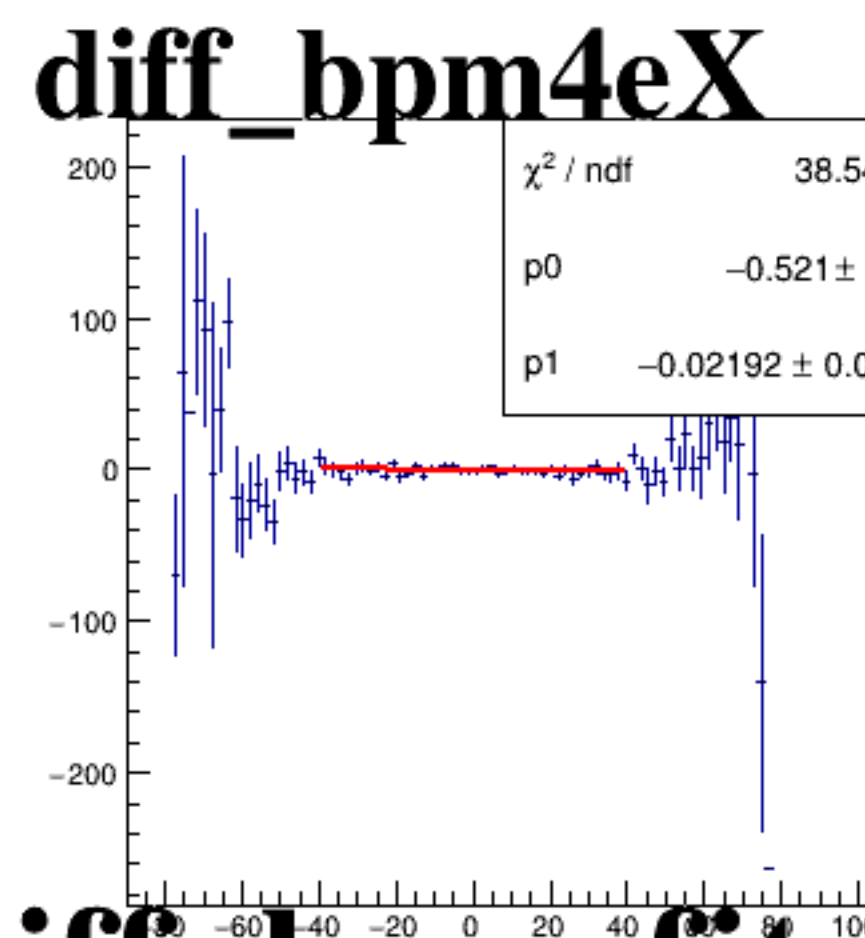
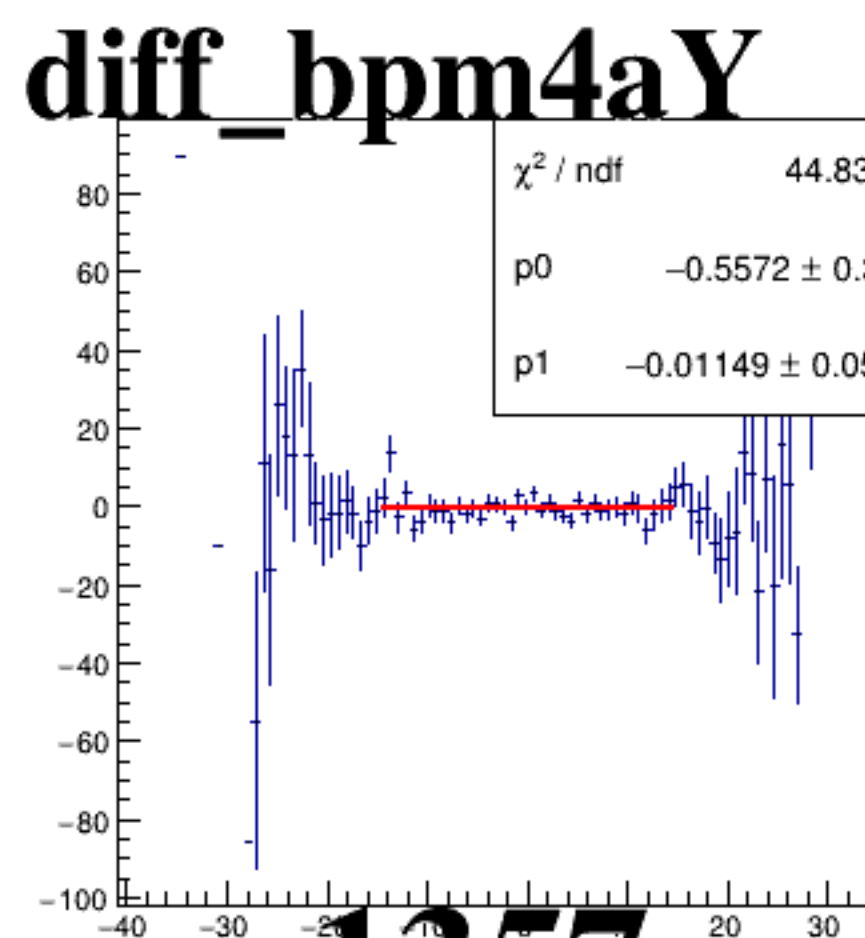
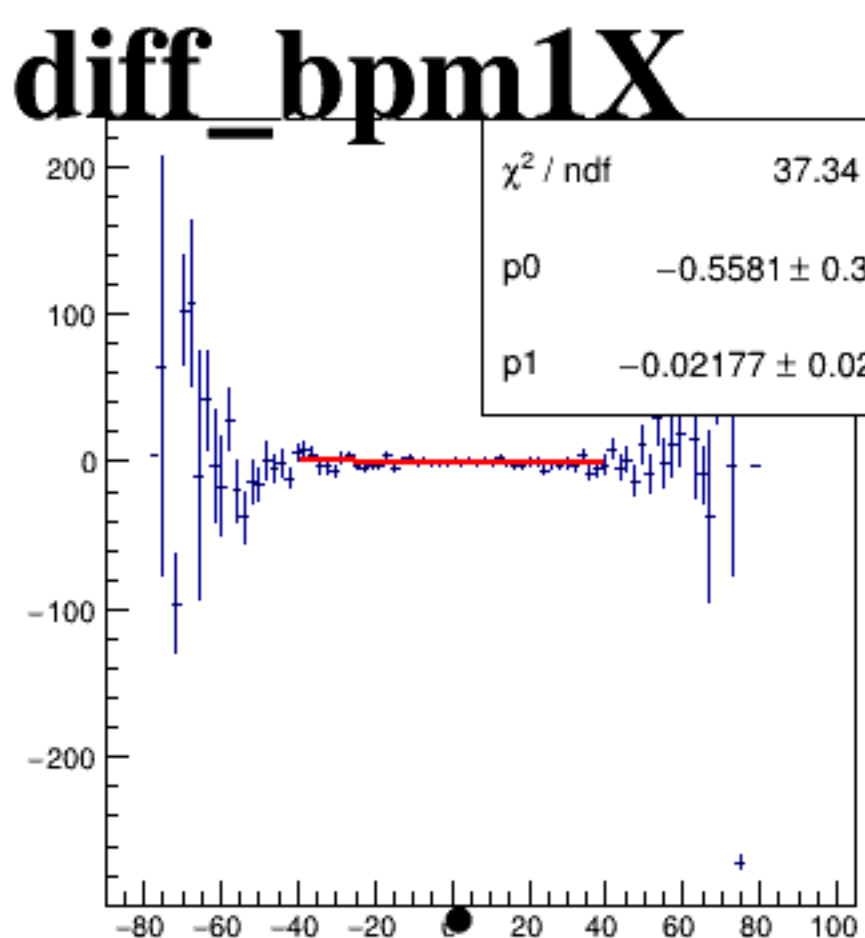
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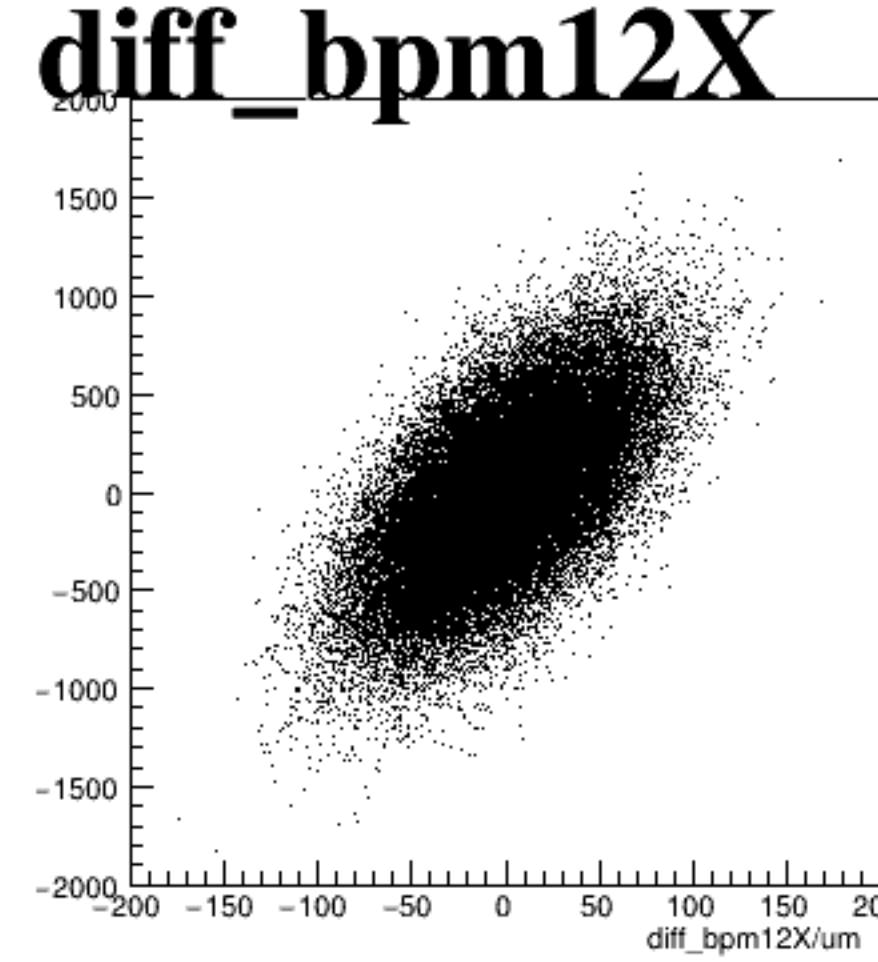
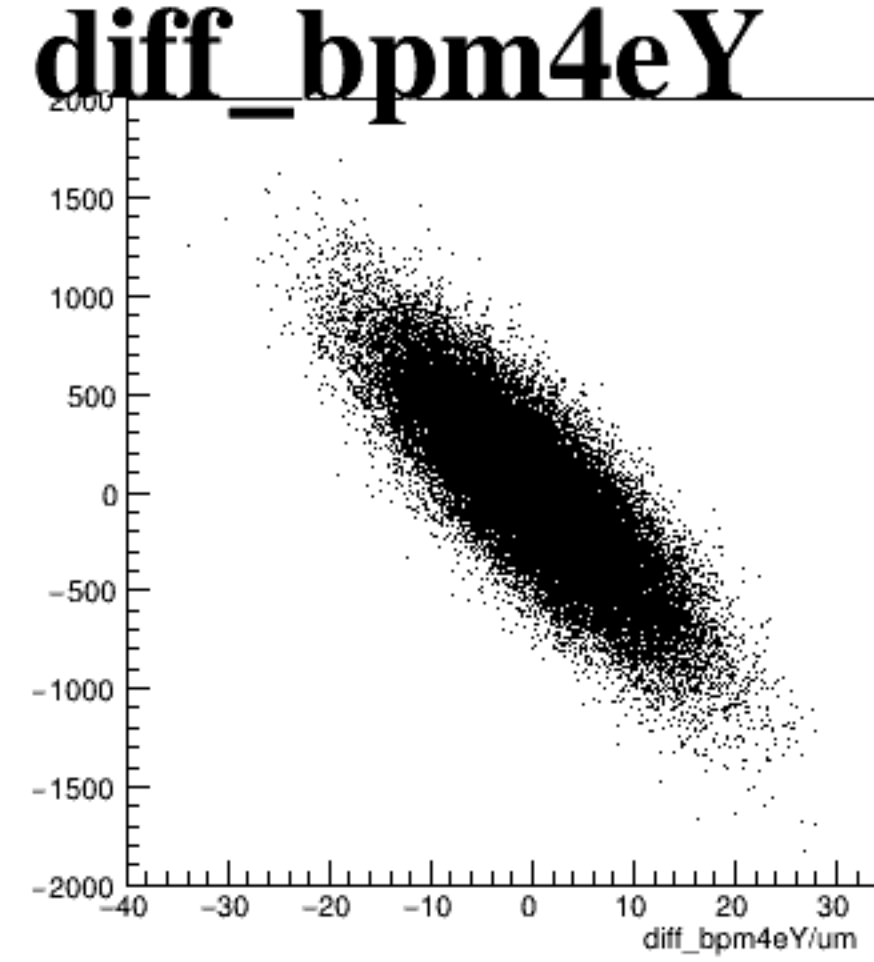
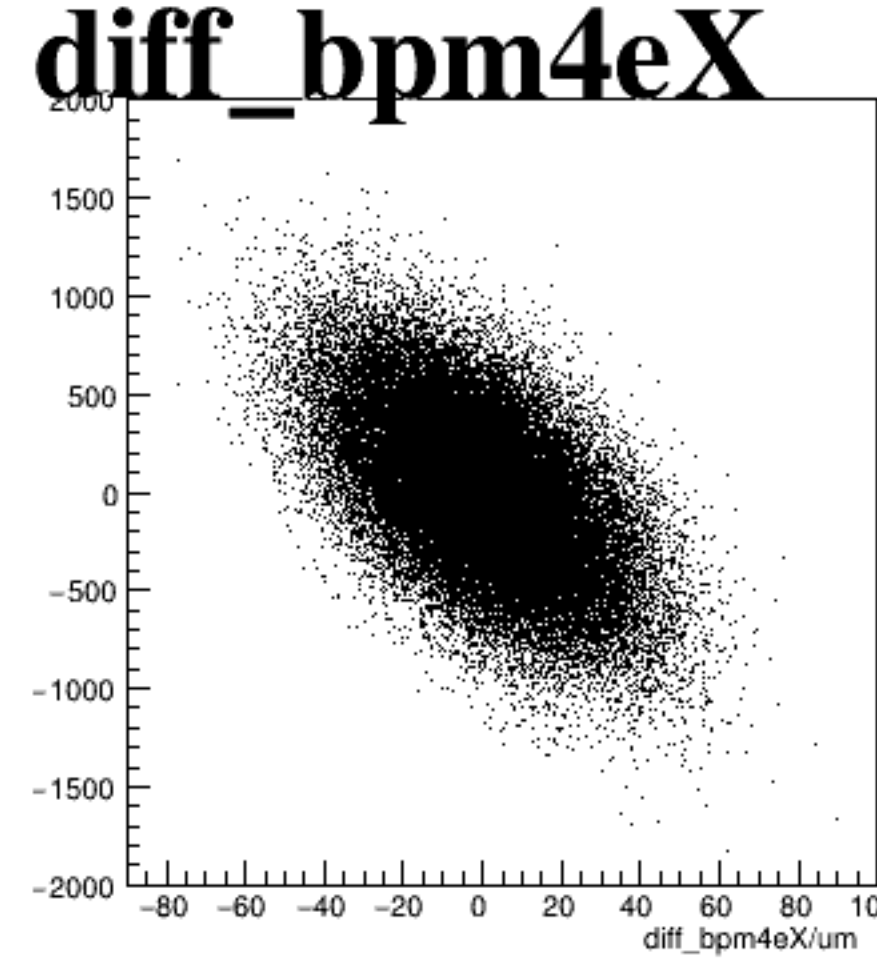
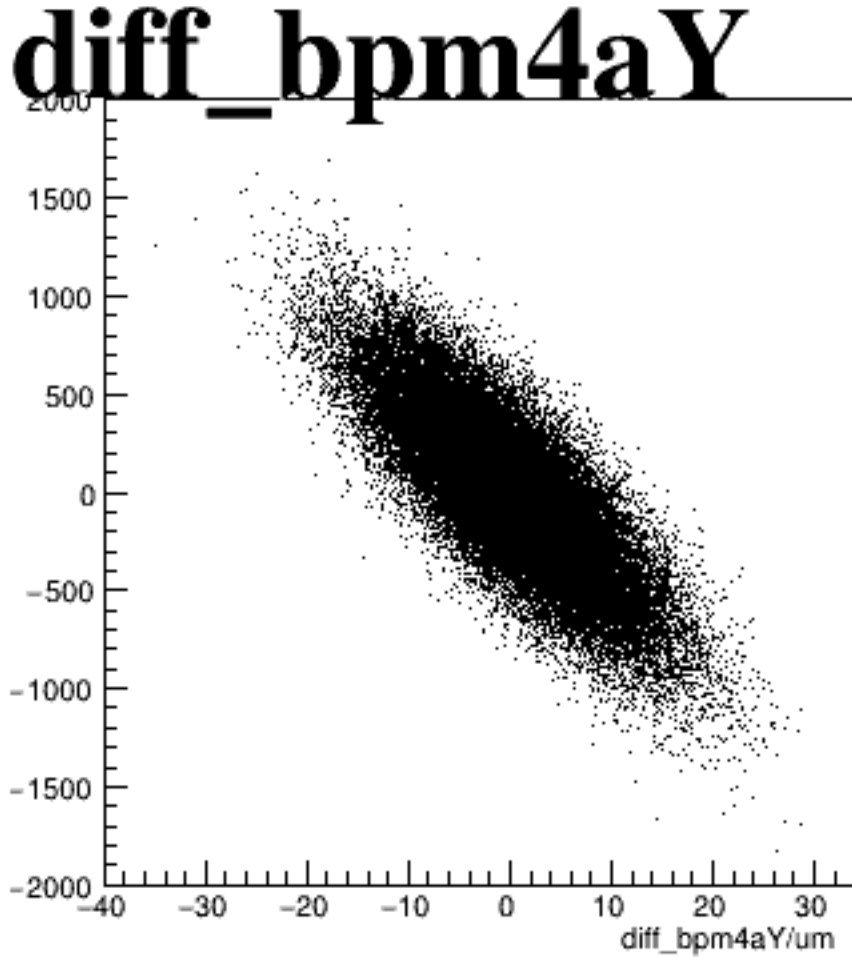
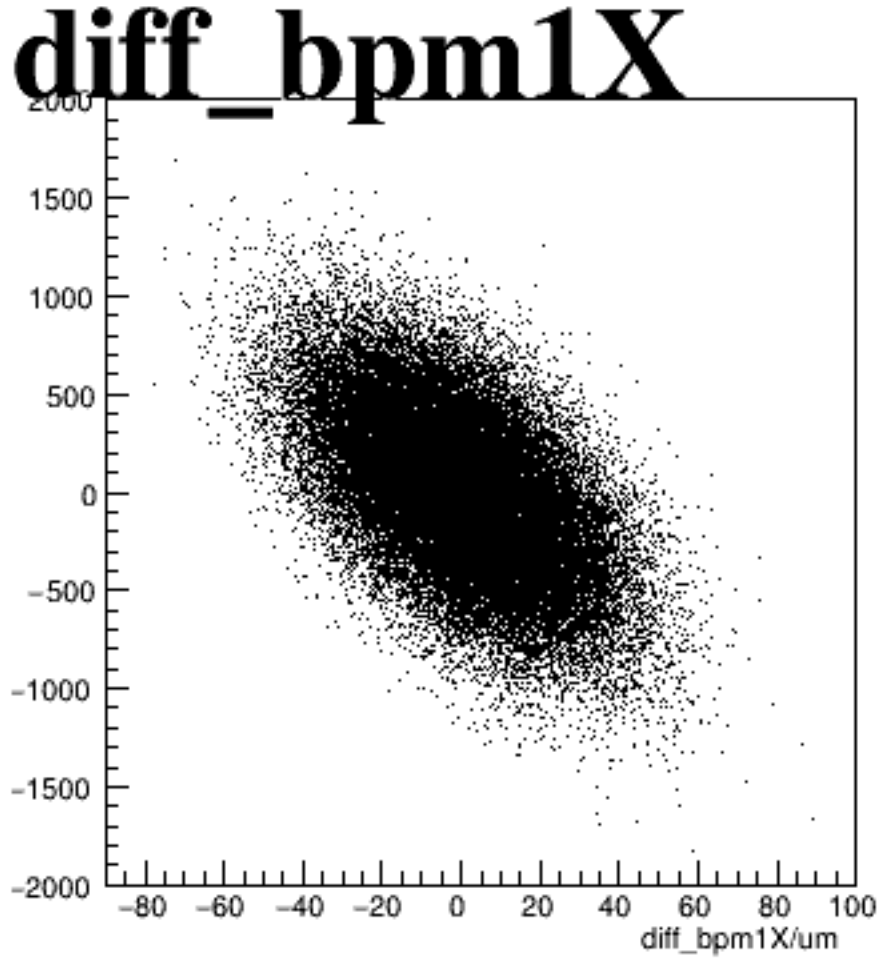
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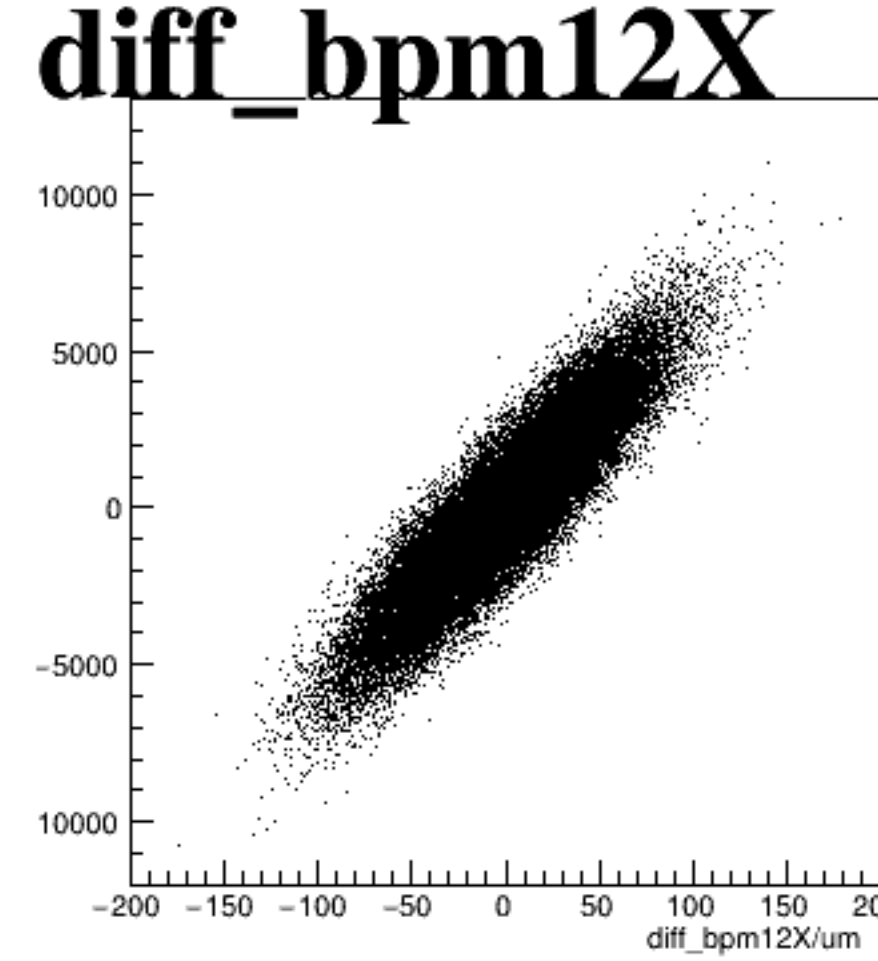
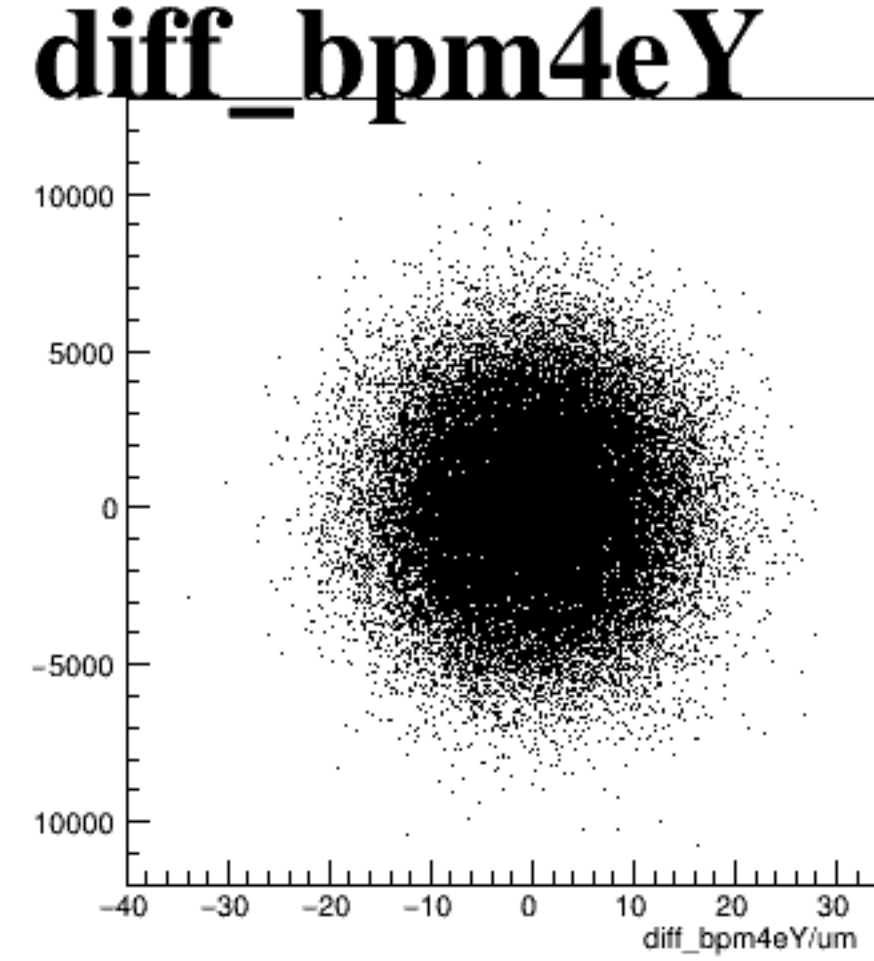
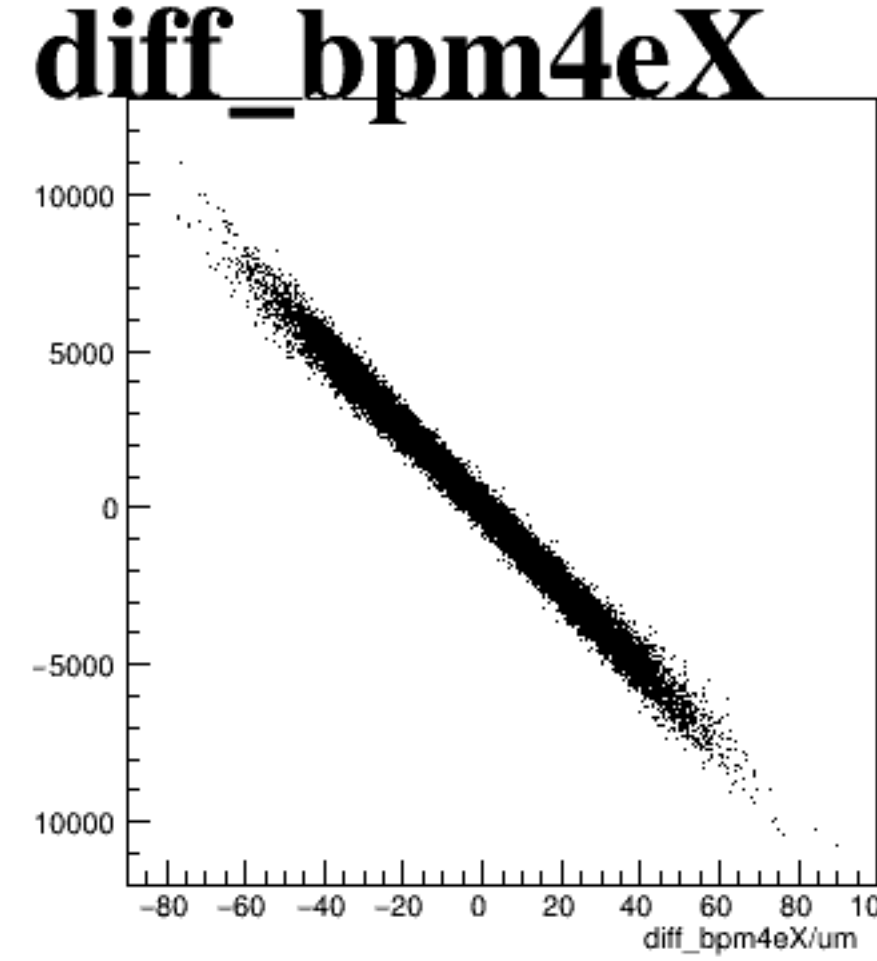
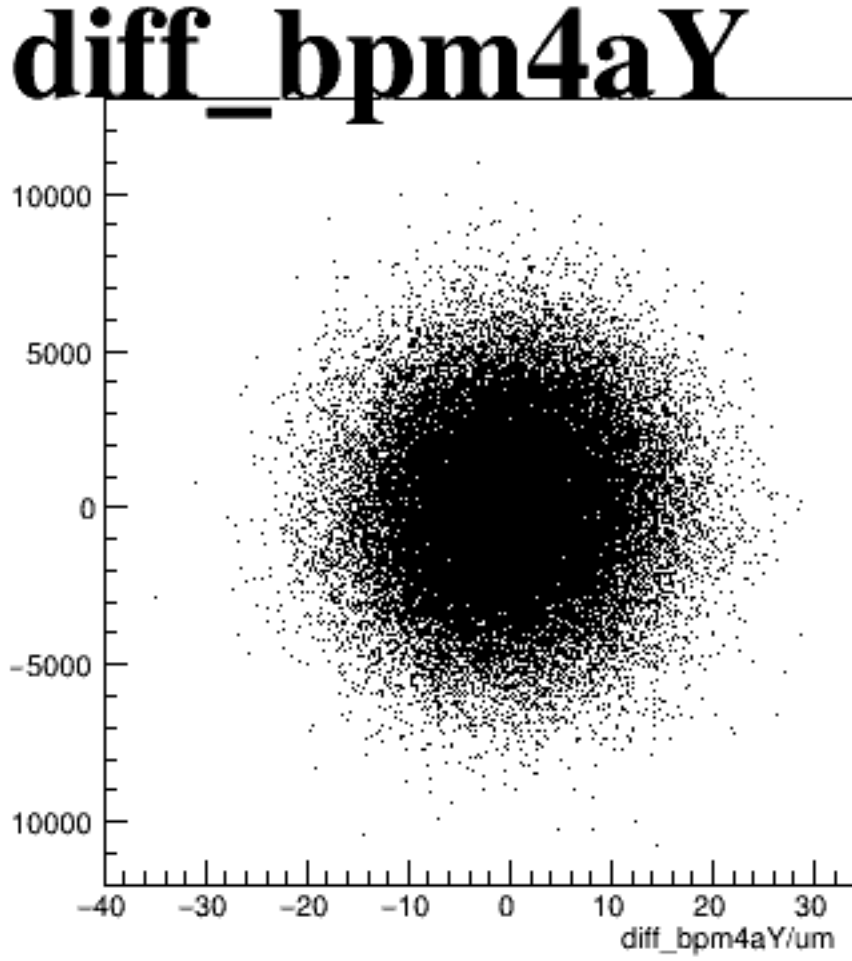
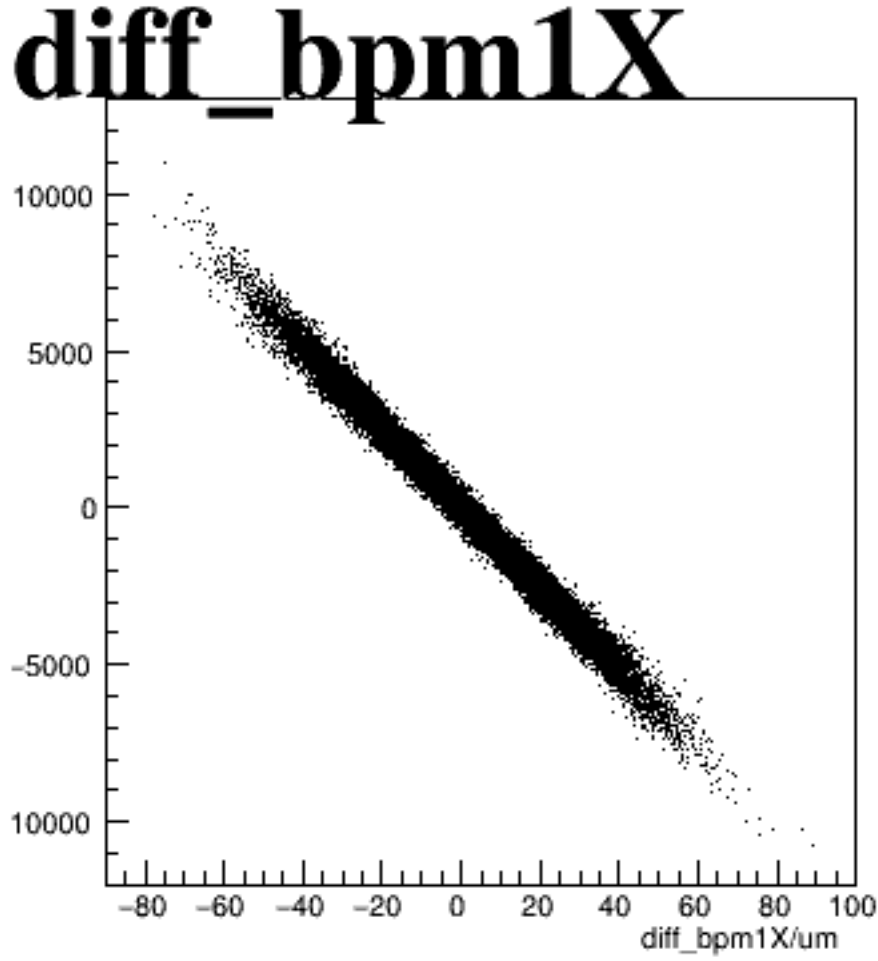
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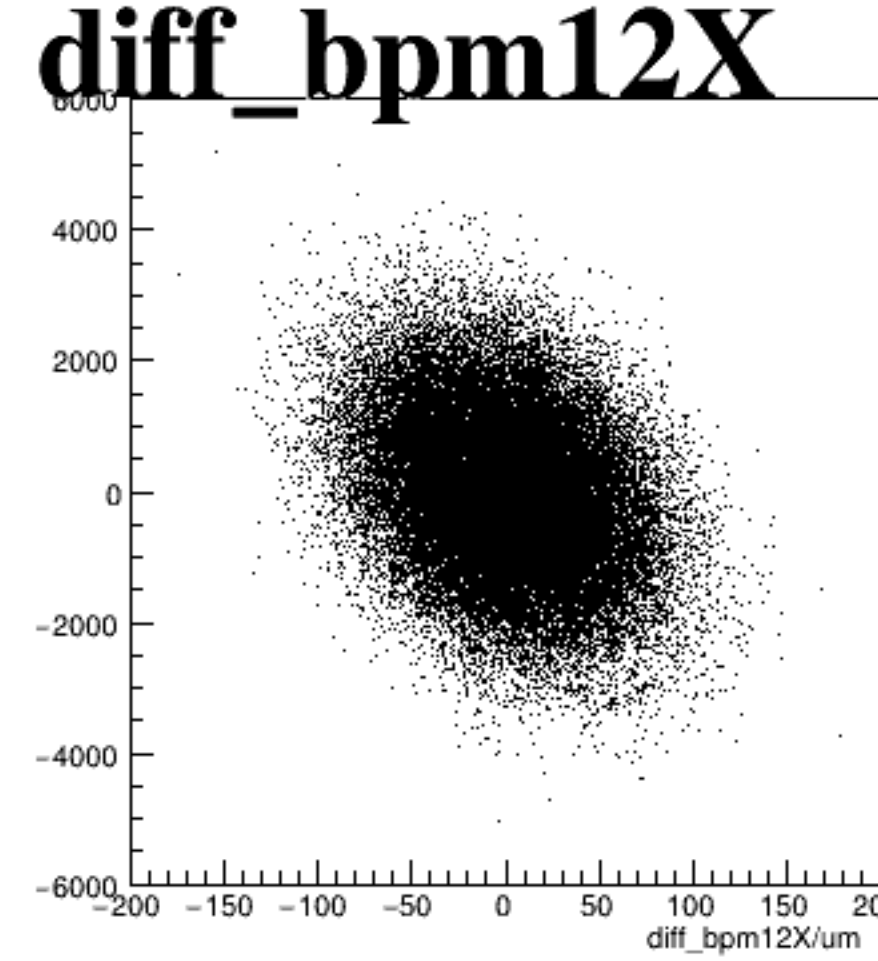
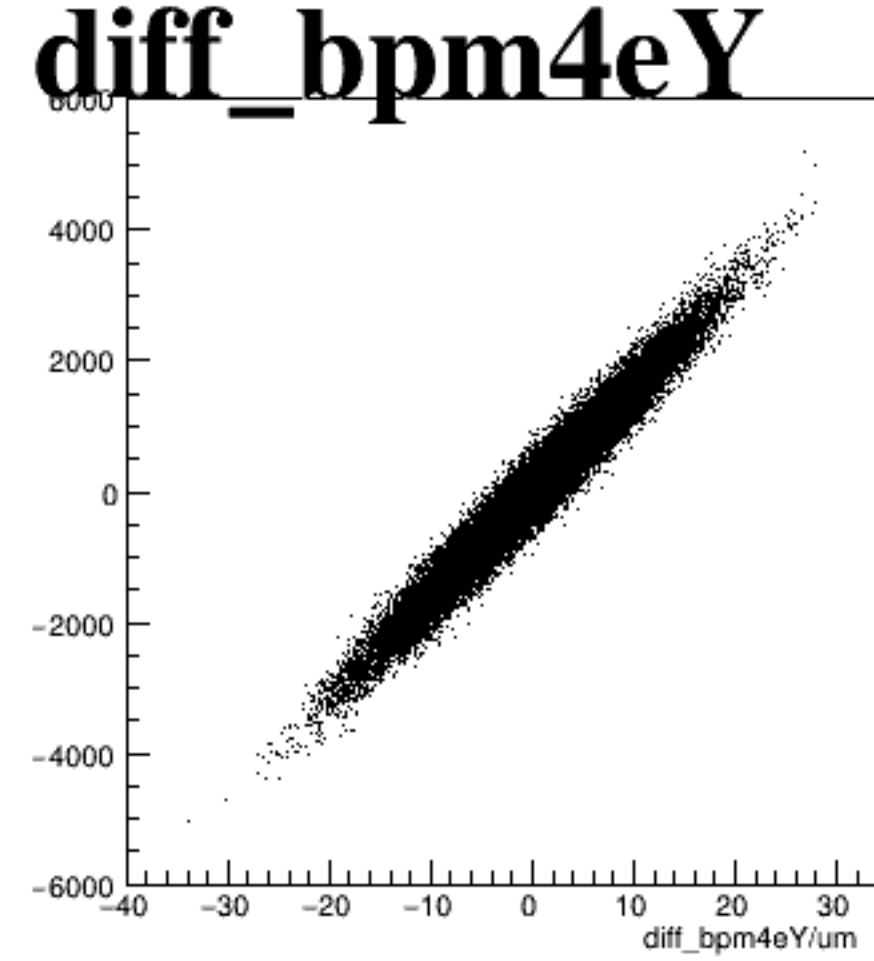
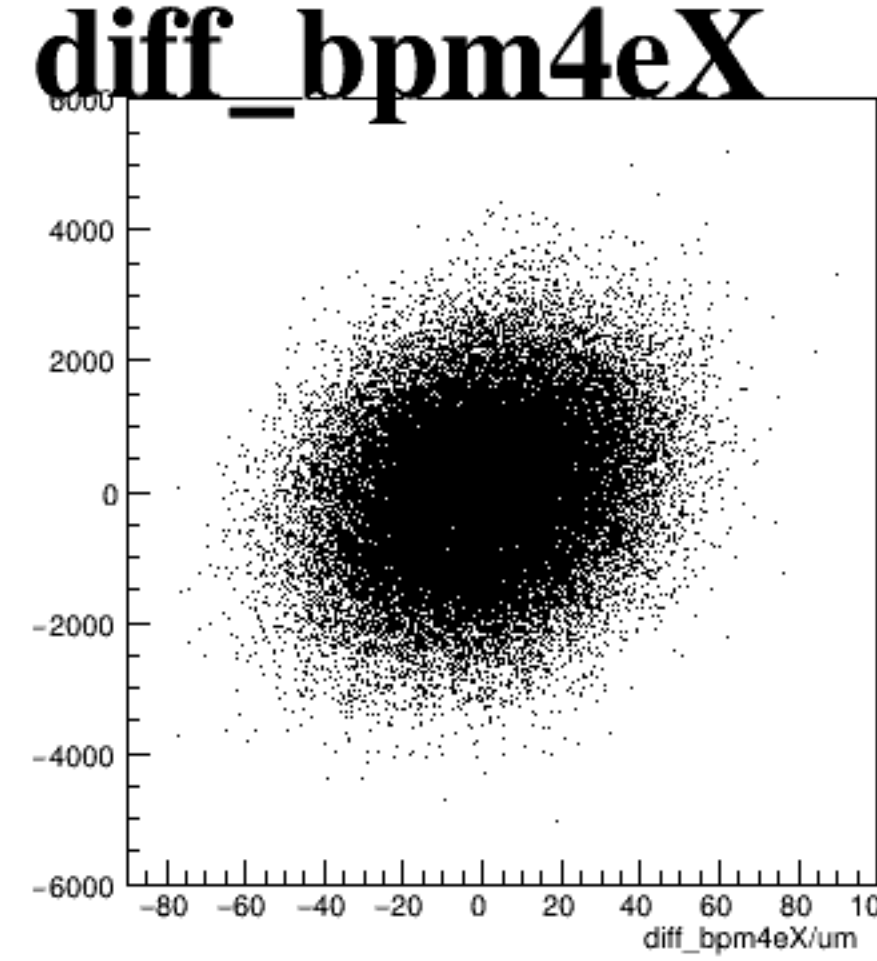
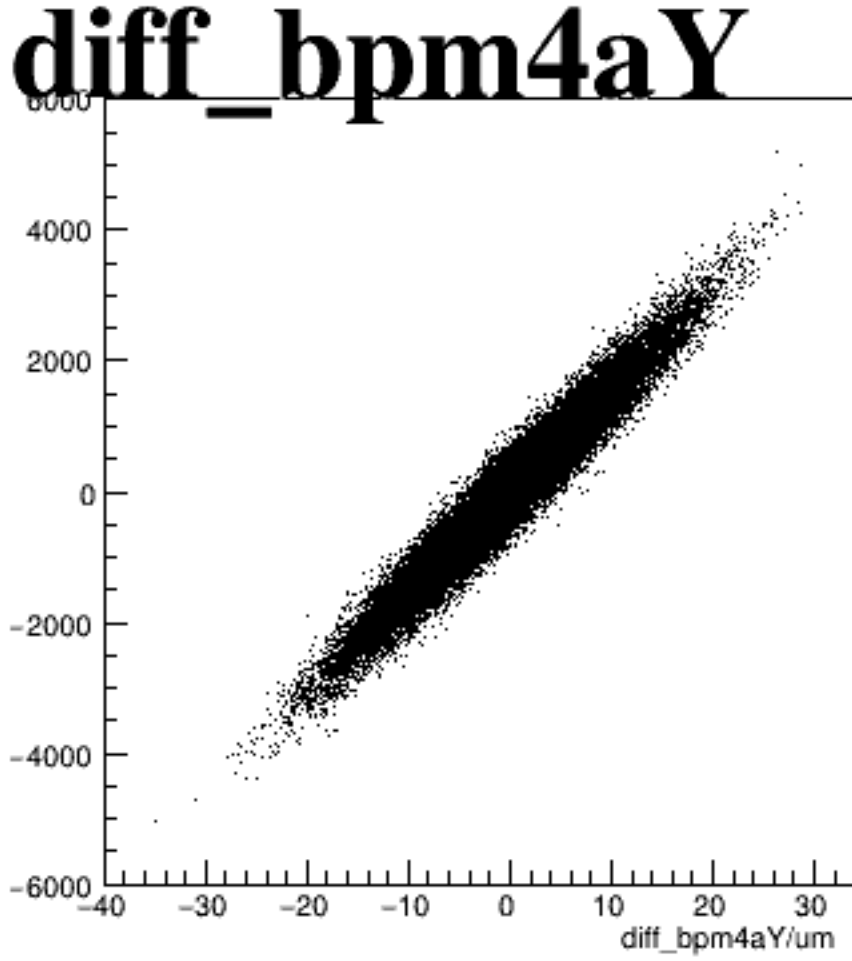
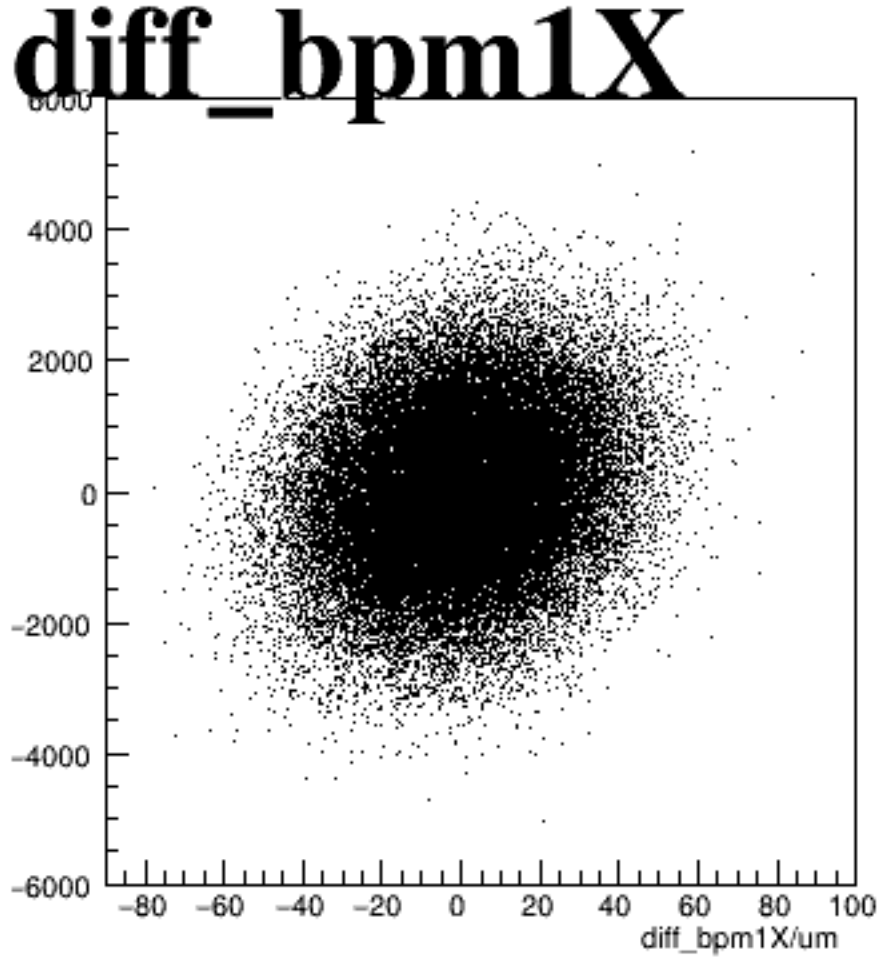
asym_sam1



asym_sam3



asym_sam5



asym_sam7

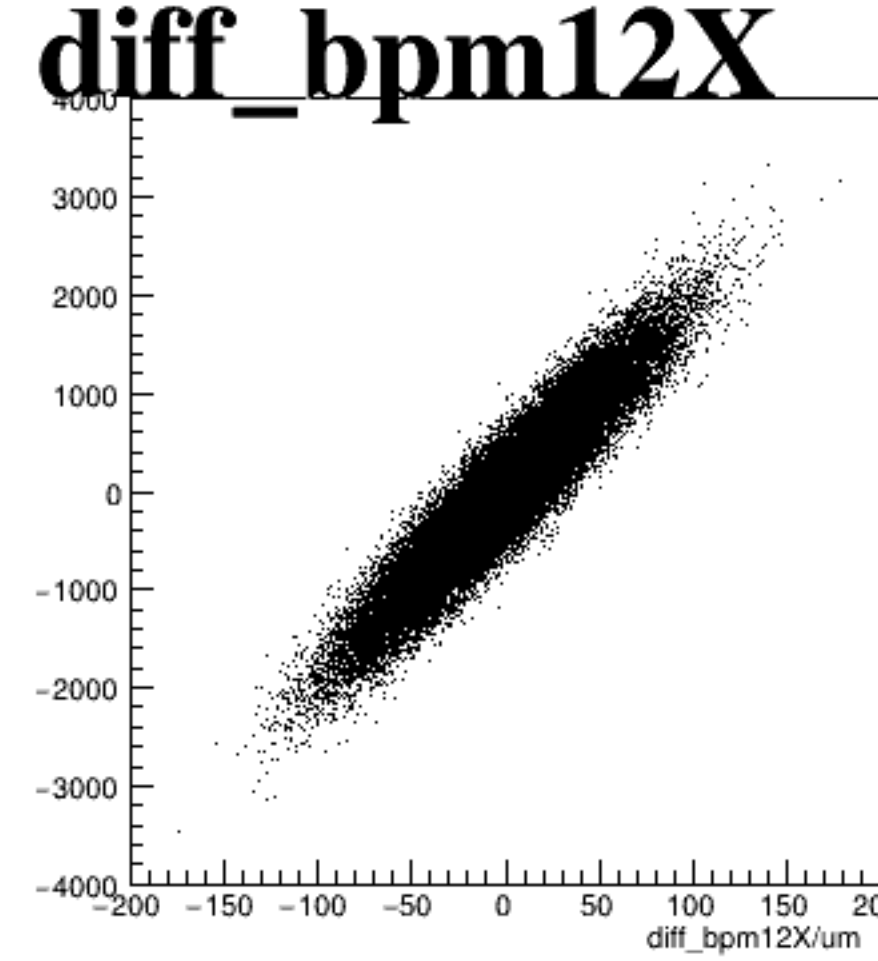
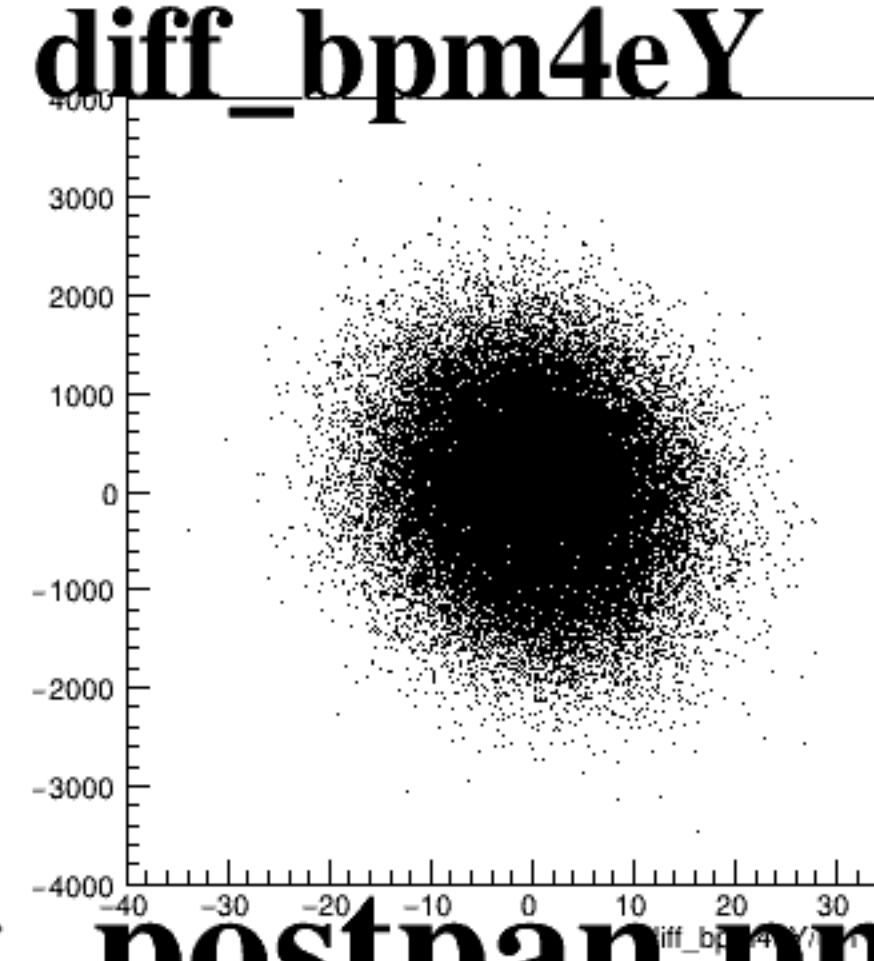
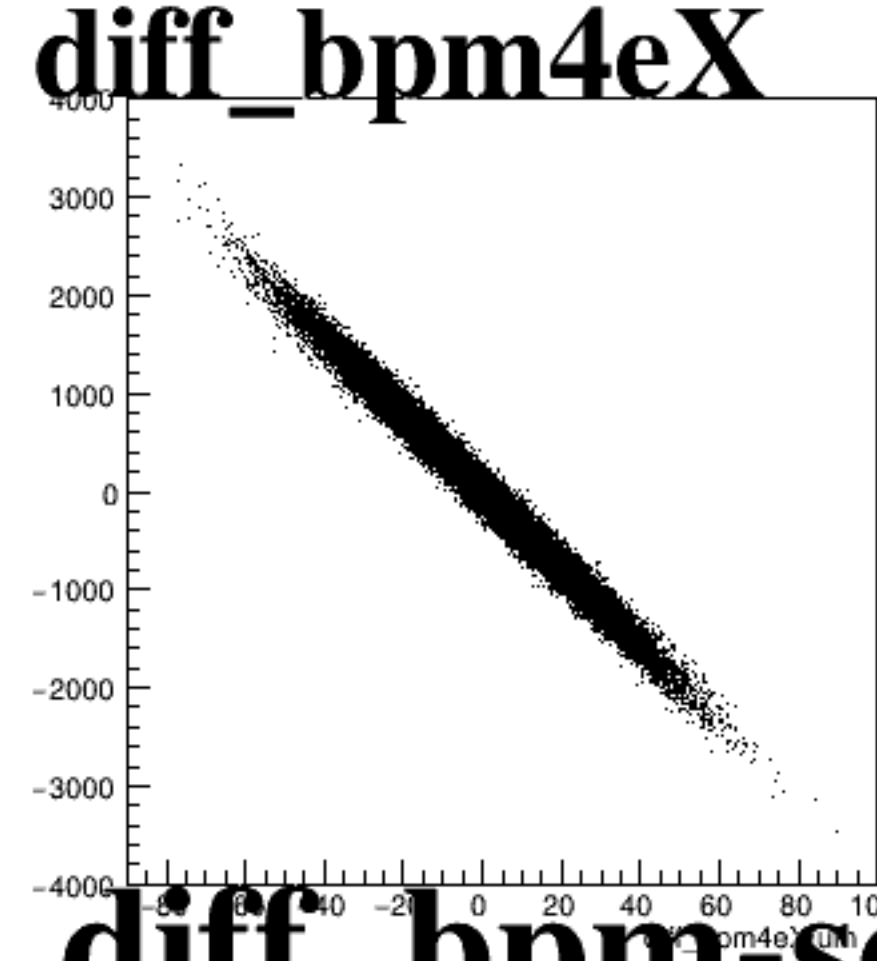
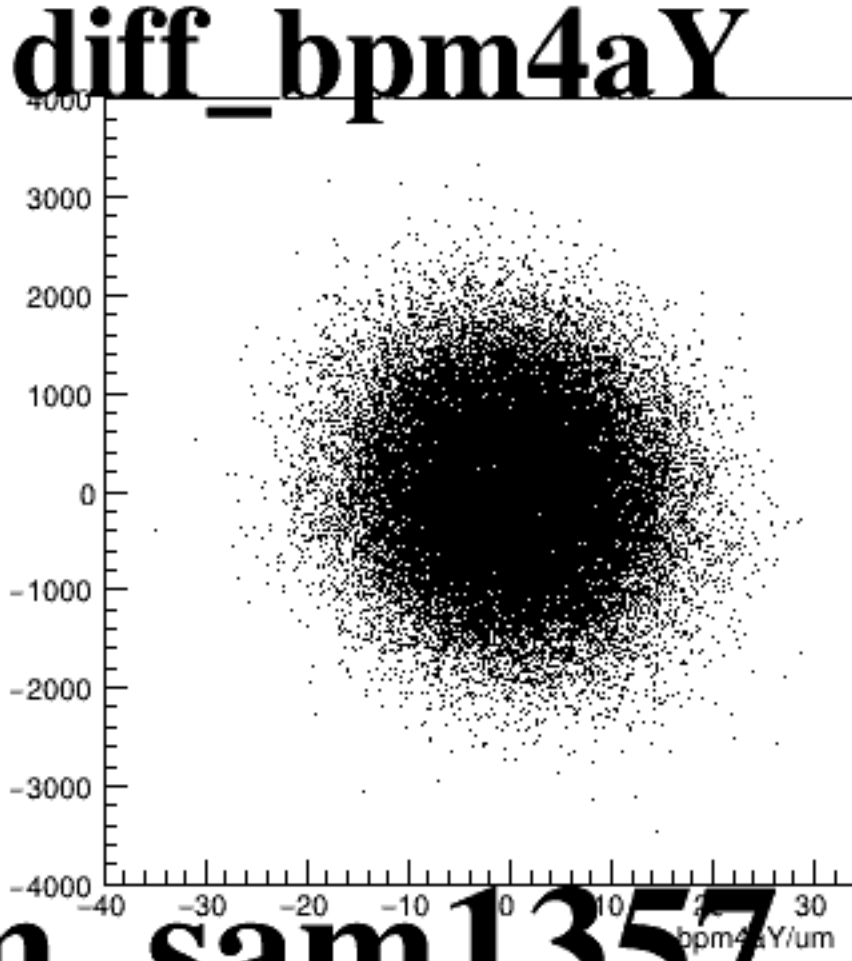
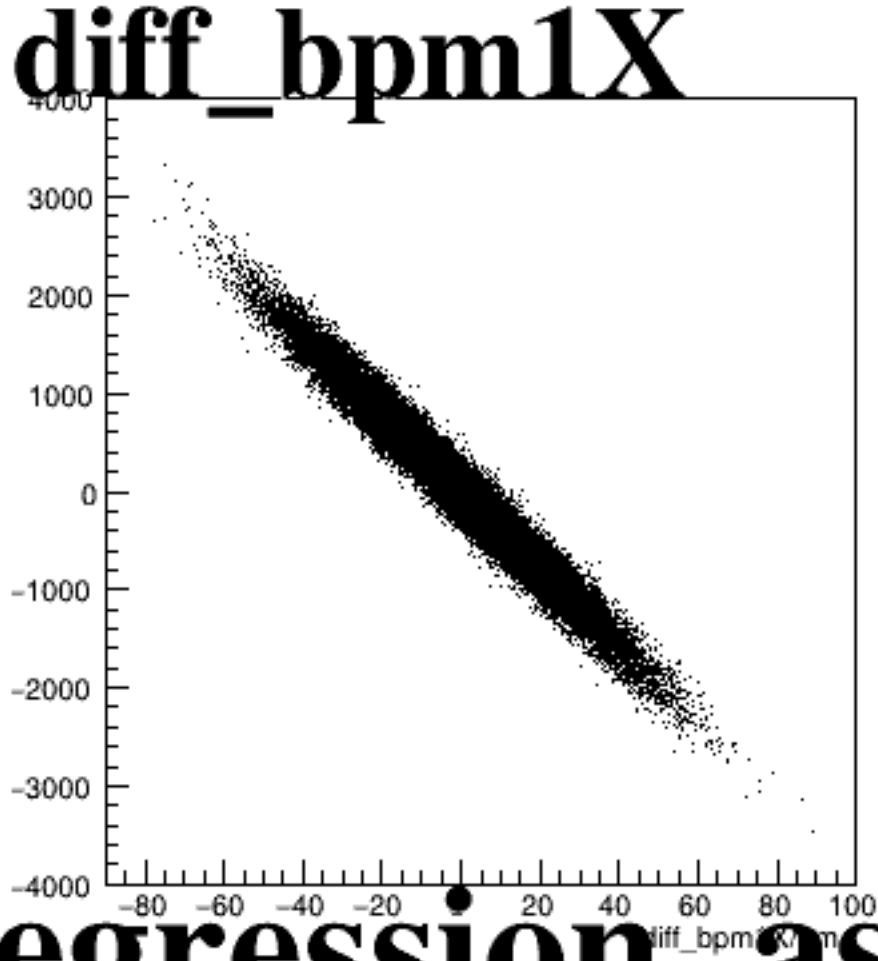


Figure 1 displays five scatter plots showing the distribution of difference between predicted and measured values for different models. The plots are labeled: **diff_bpm1X**, **diff_bpm4aY**, **diff_bpm4eX**, **diff_bpm4eY**, and **diff_bpm12X**. Each plot has a y-axis labeled 'diff_bpm' and an x-axis labeled 'diff_bpm'. The distributions are centered around zero, with varying spreads and axes ranges.