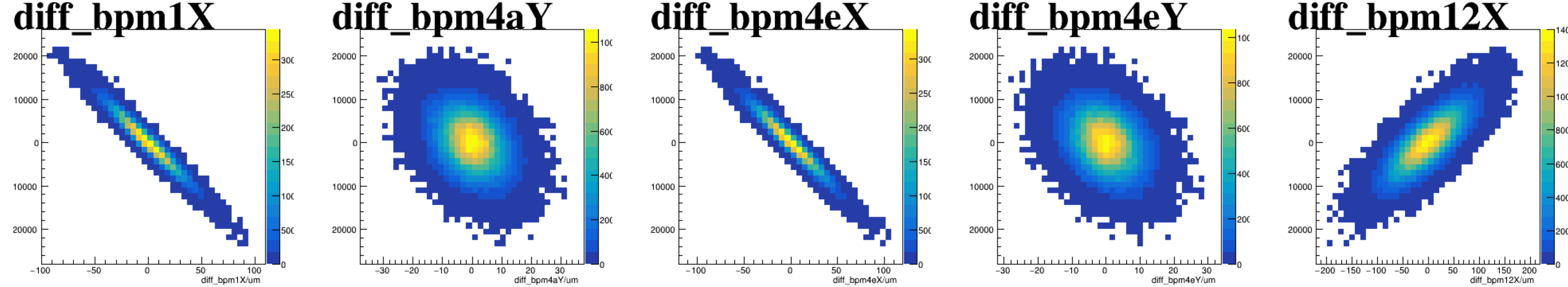
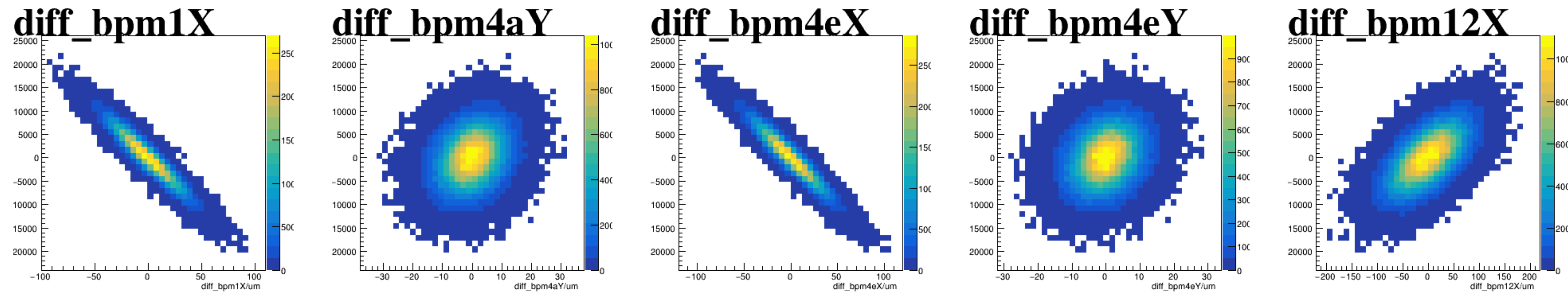


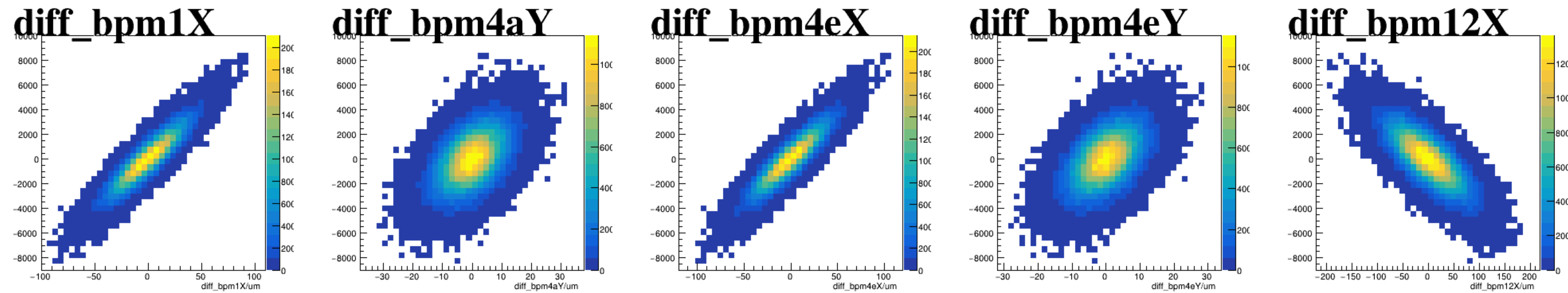
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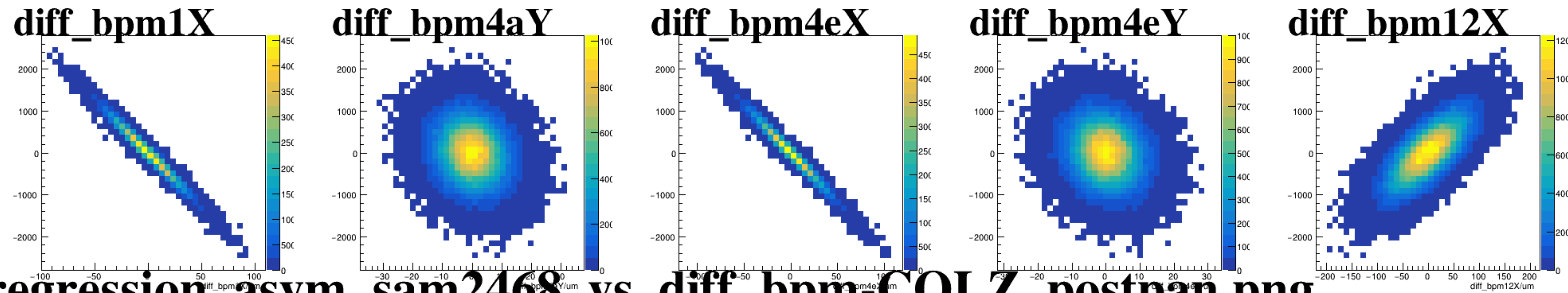
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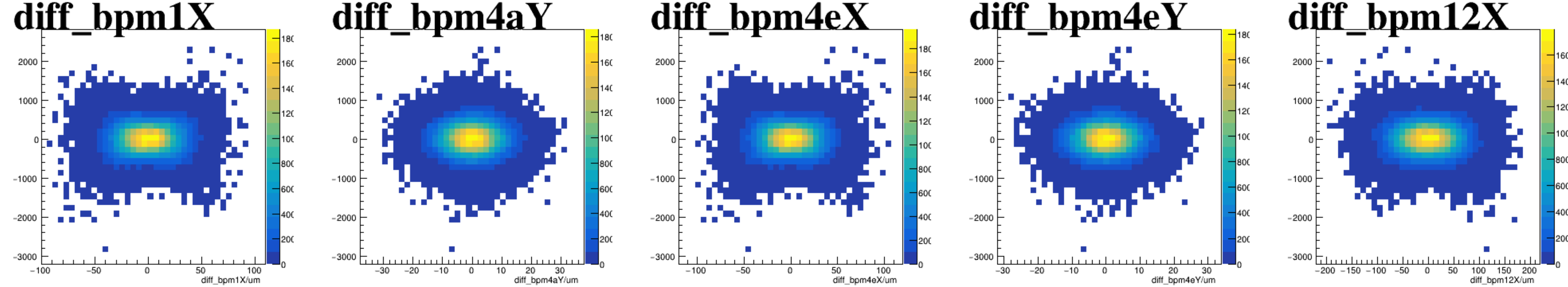
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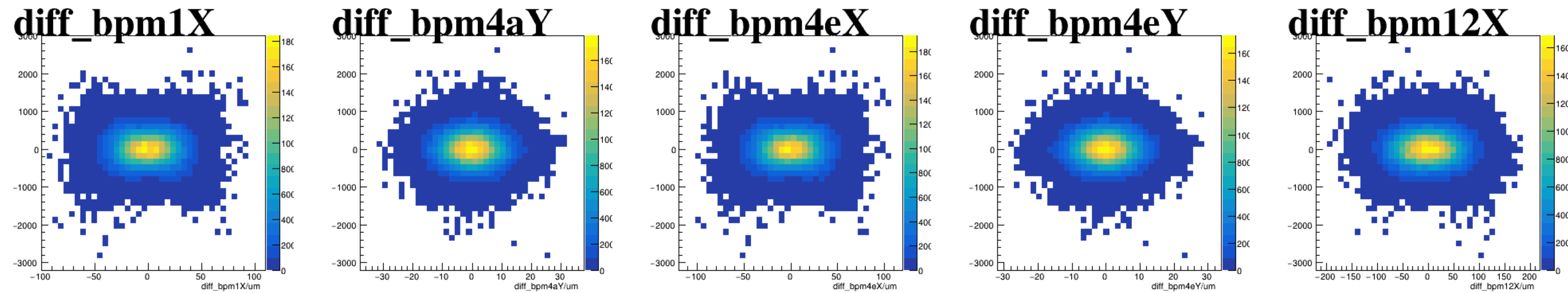
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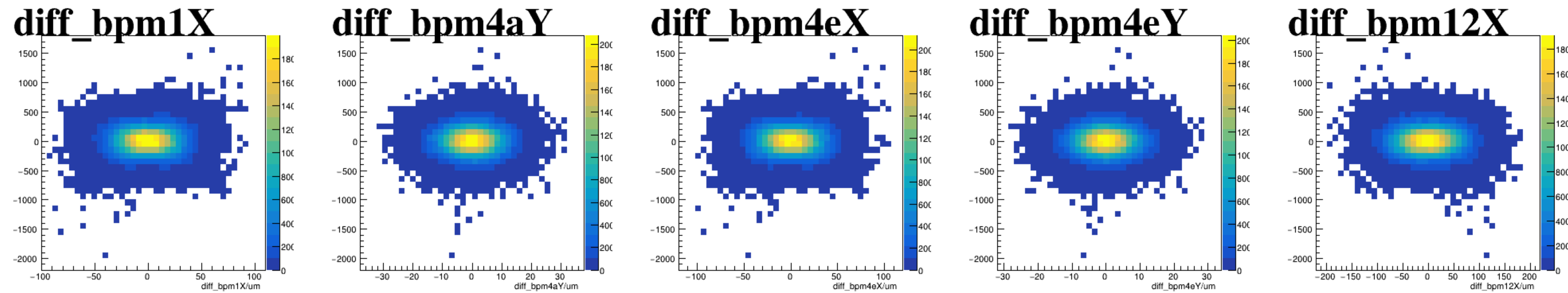
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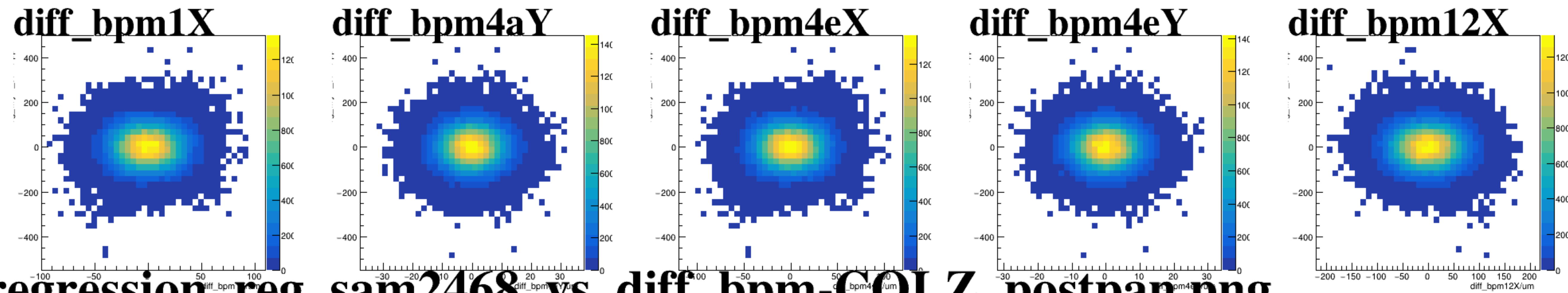
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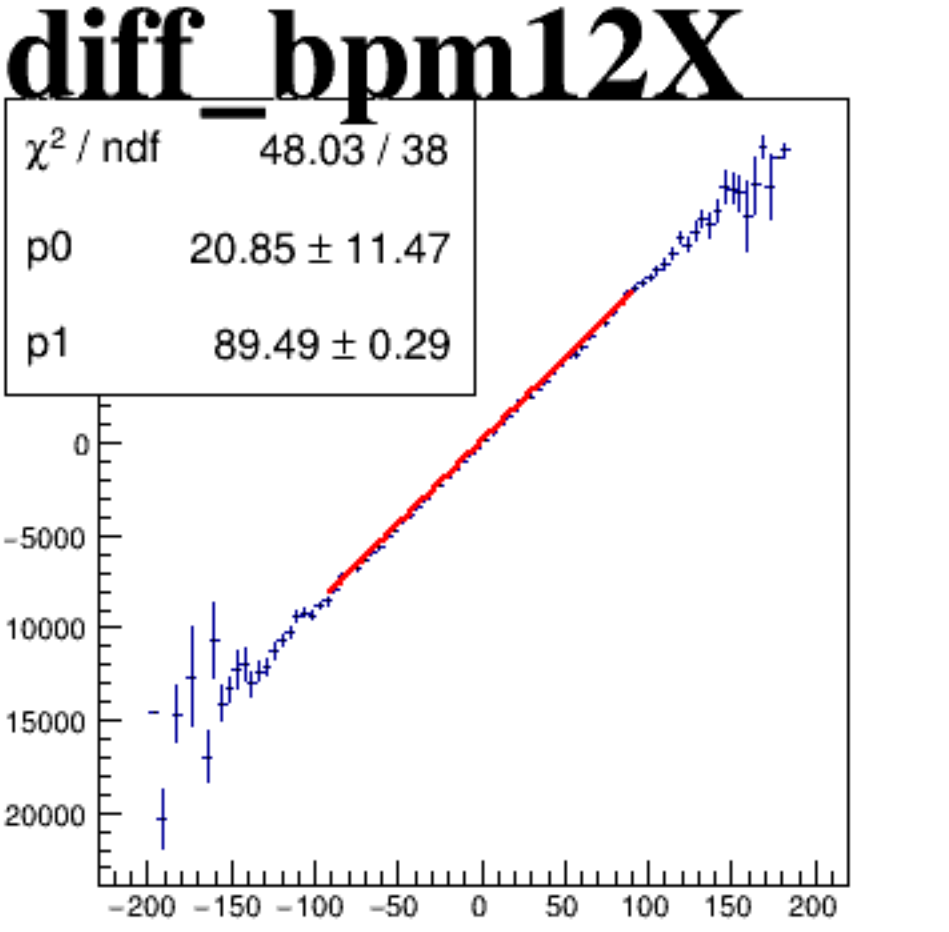
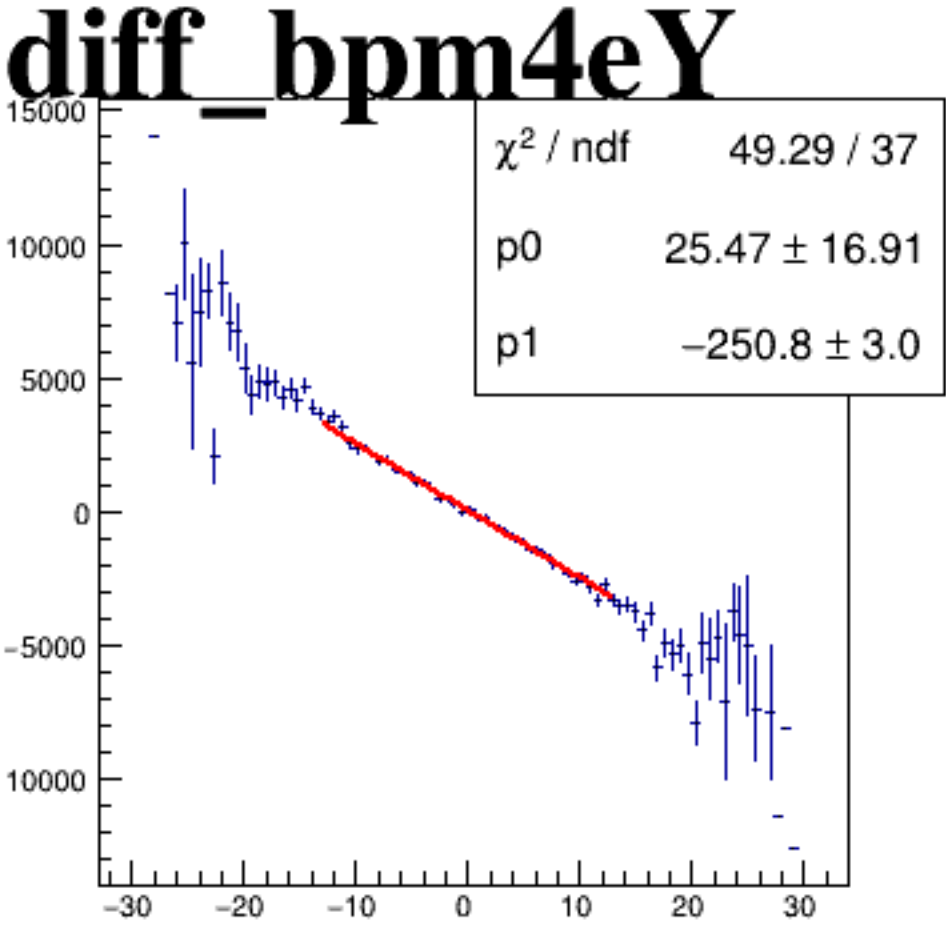
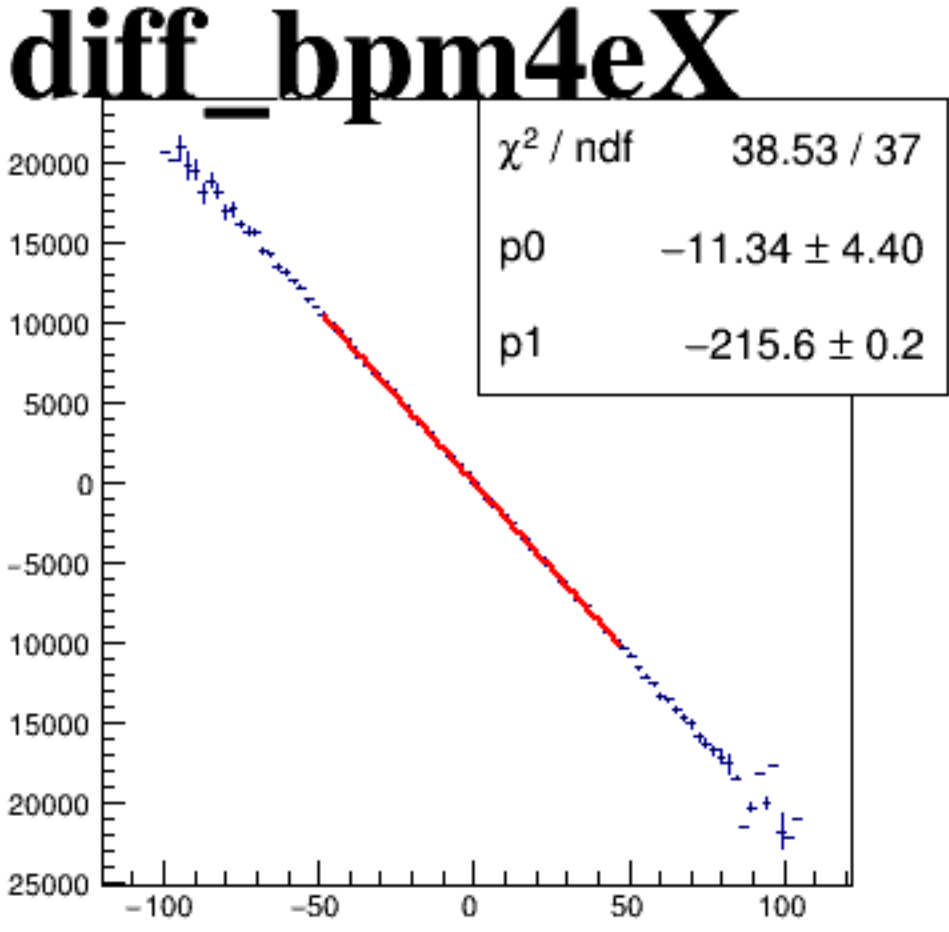
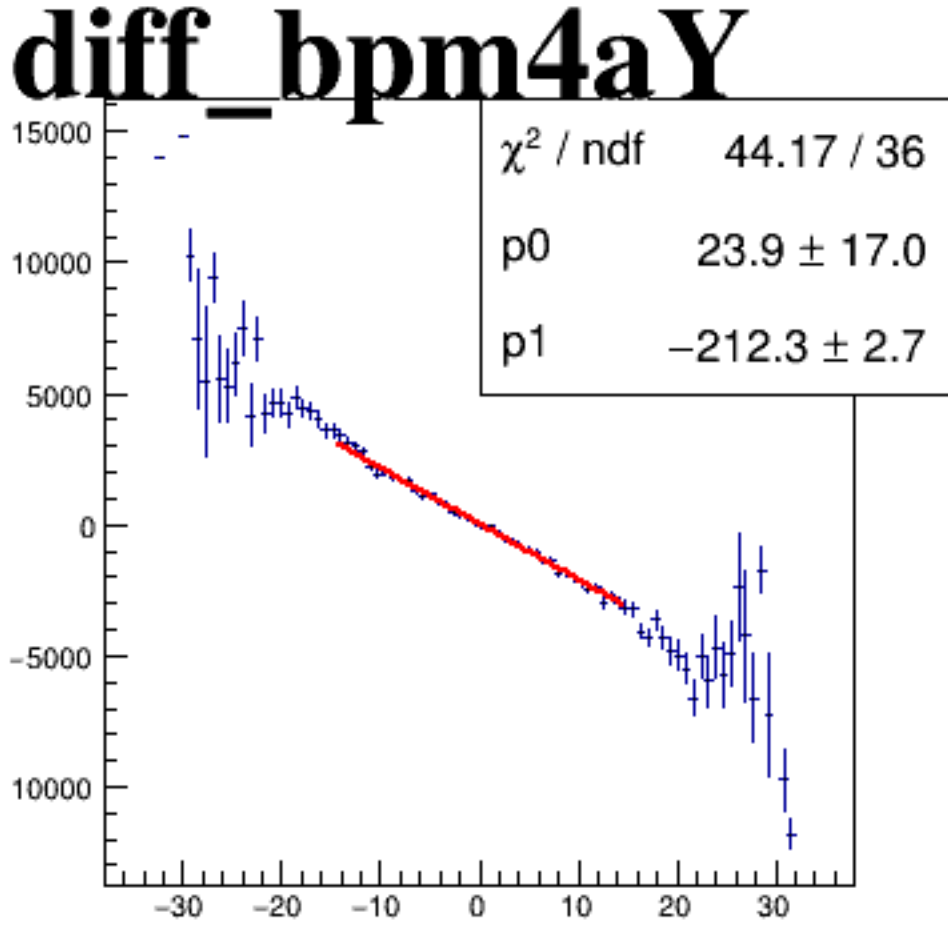
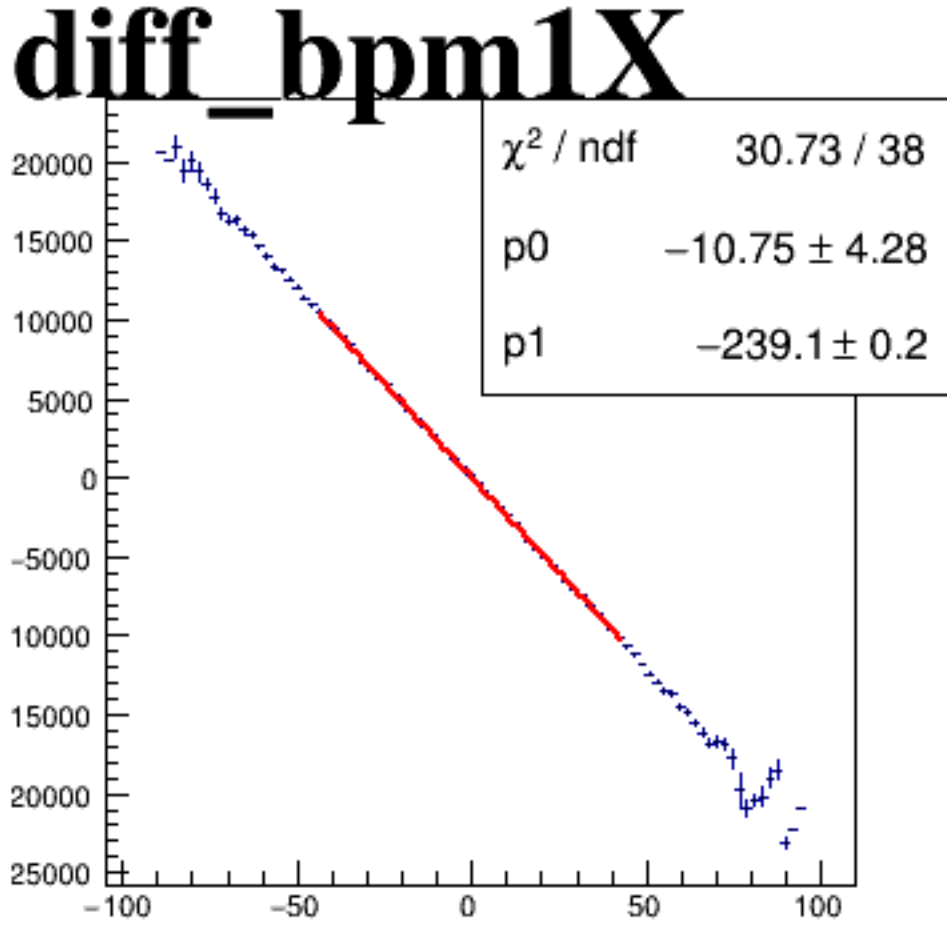
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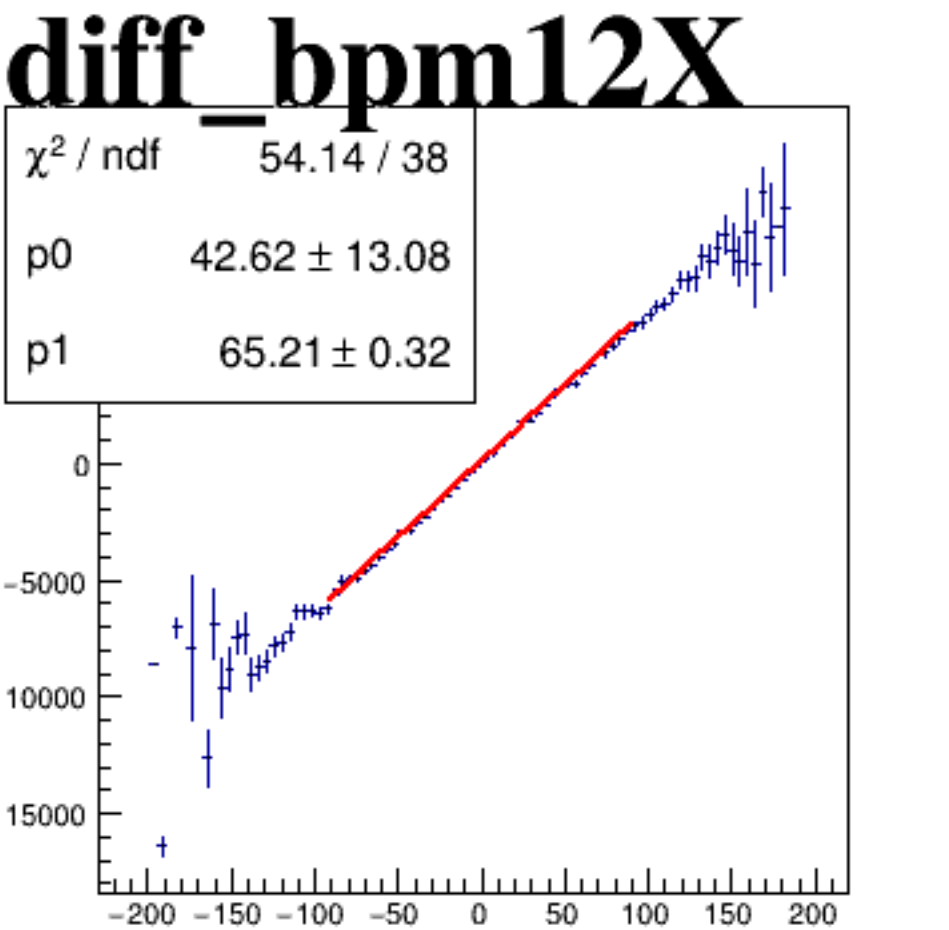
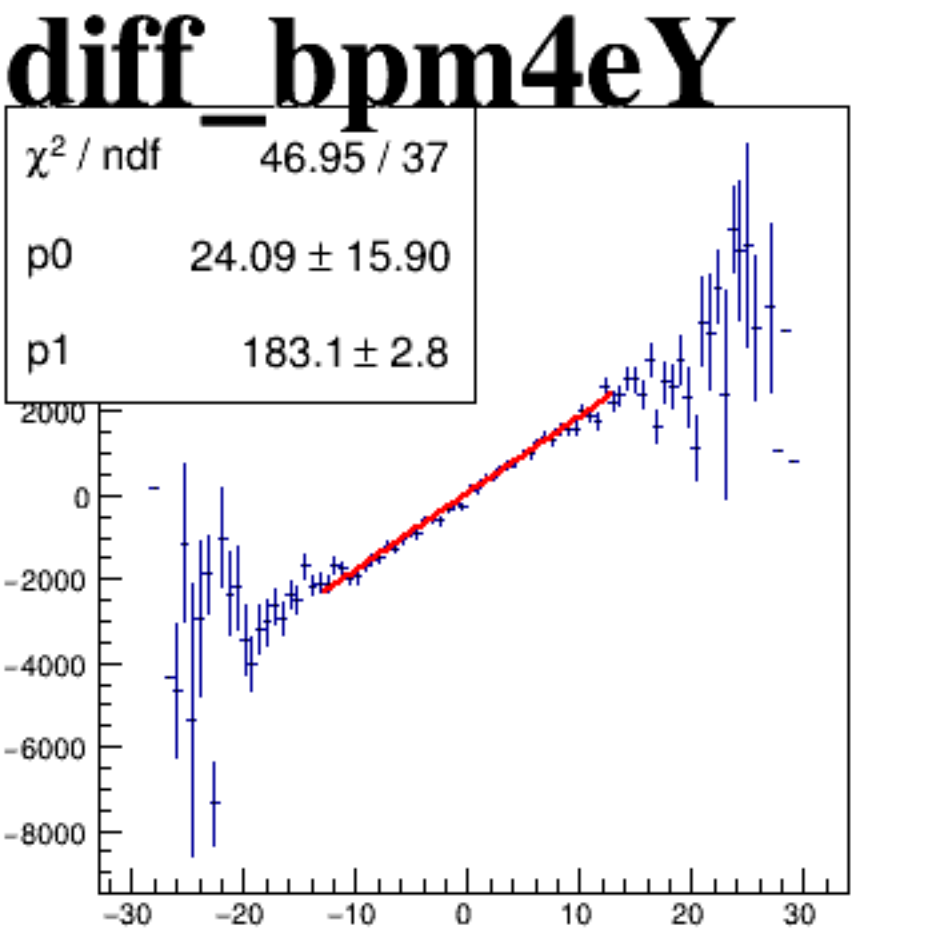
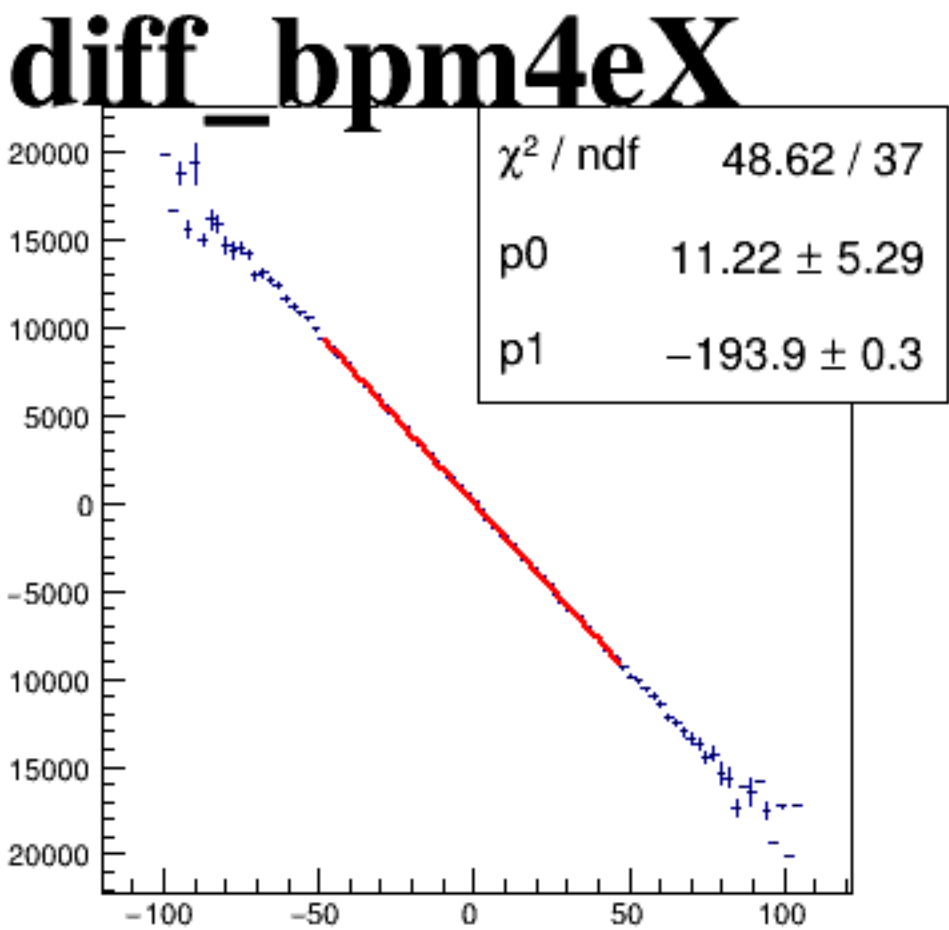
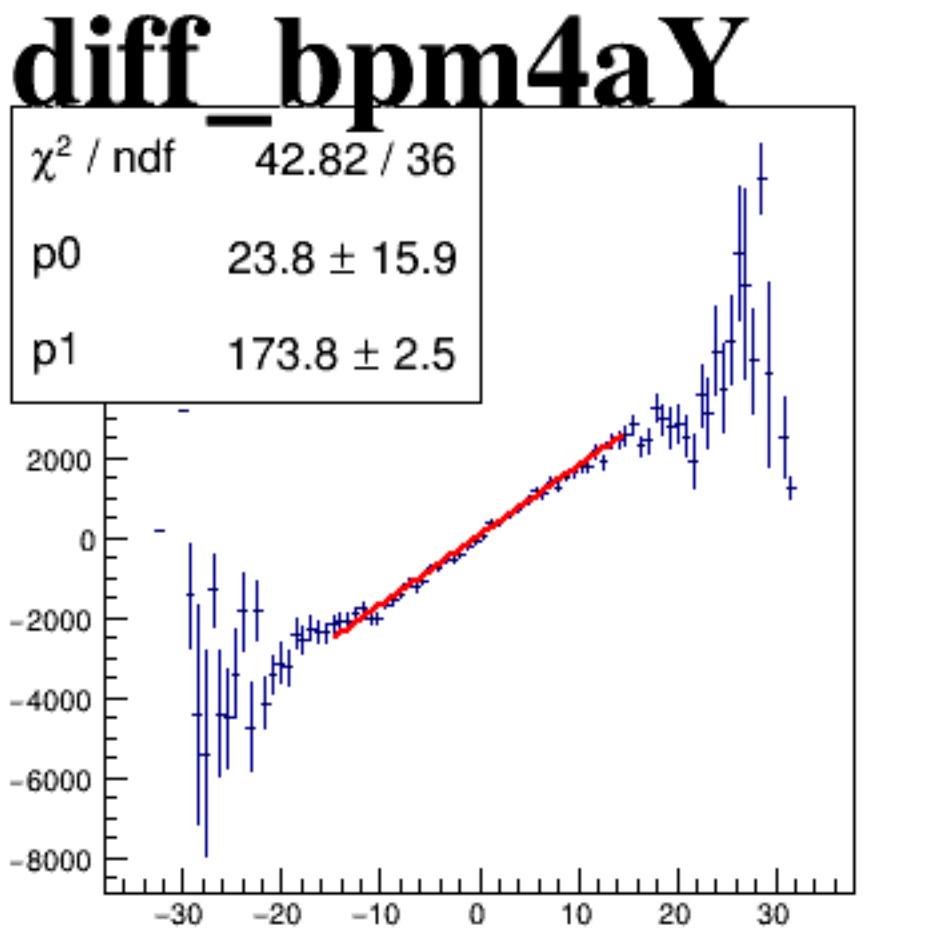
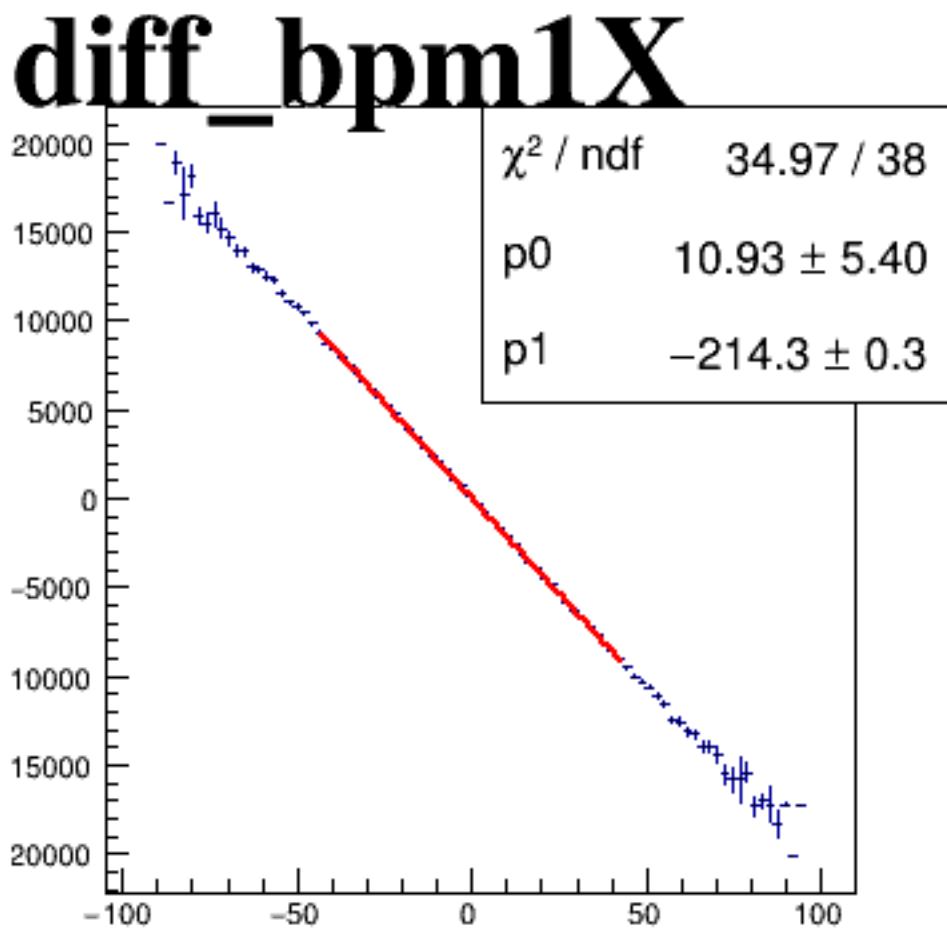
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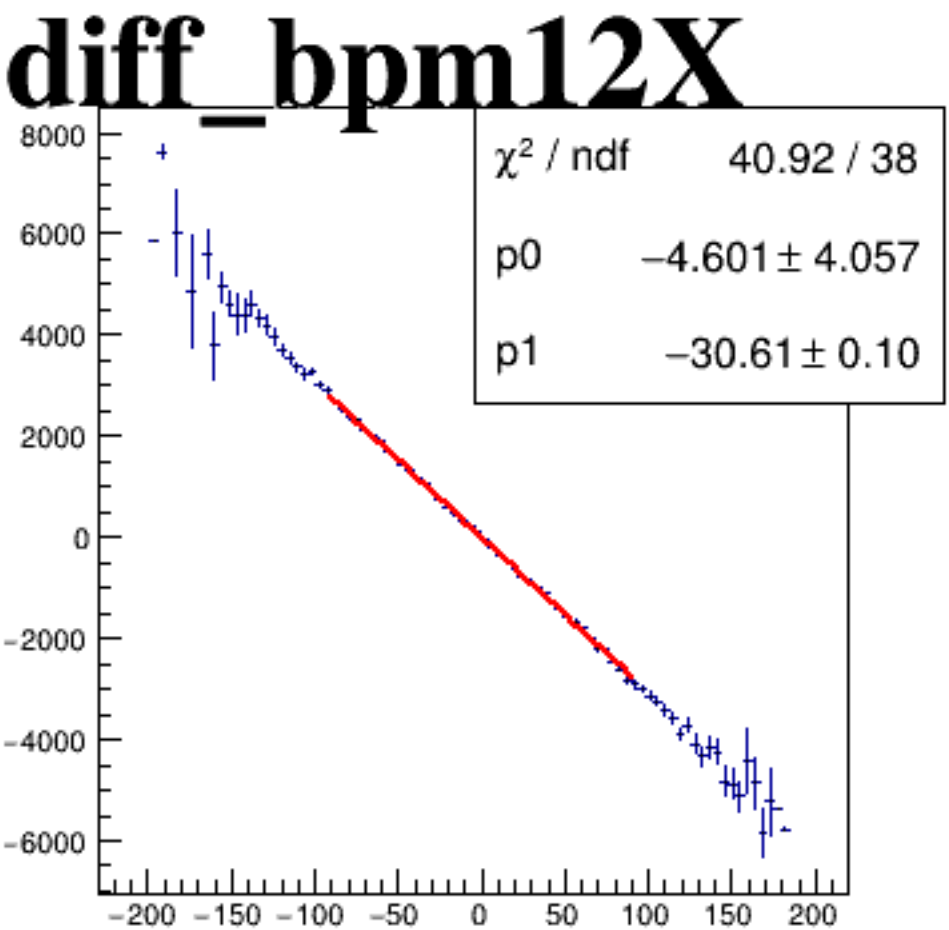
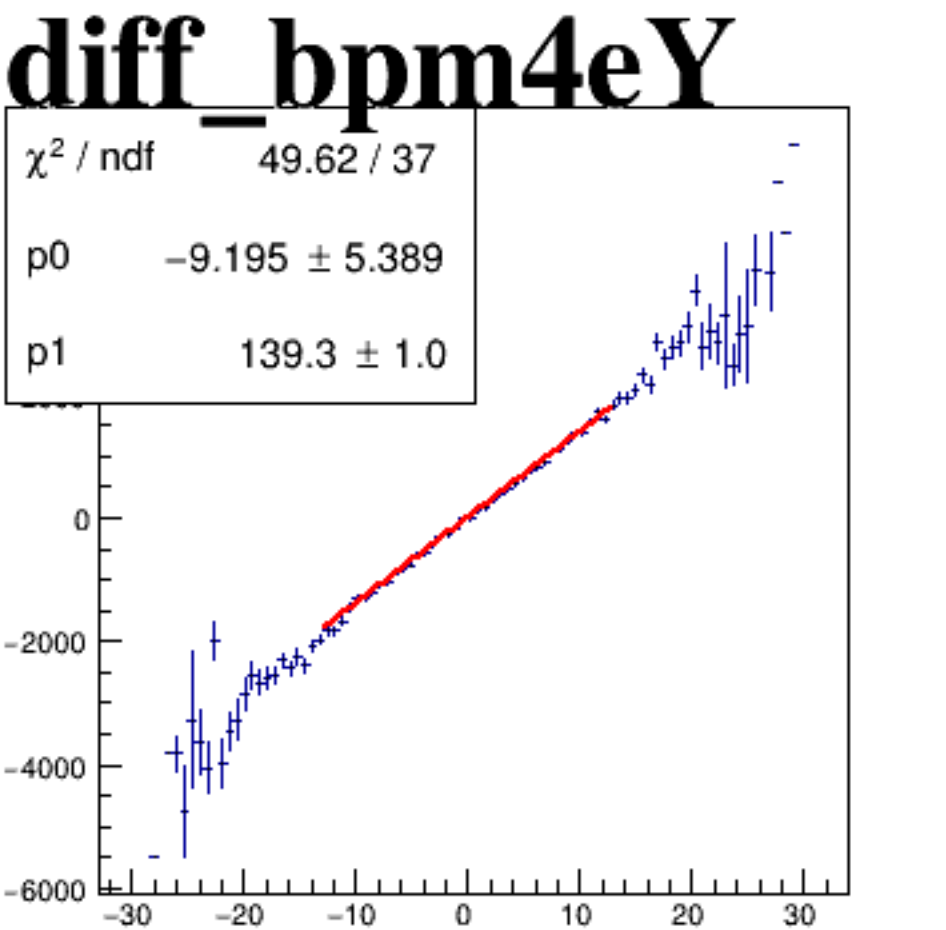
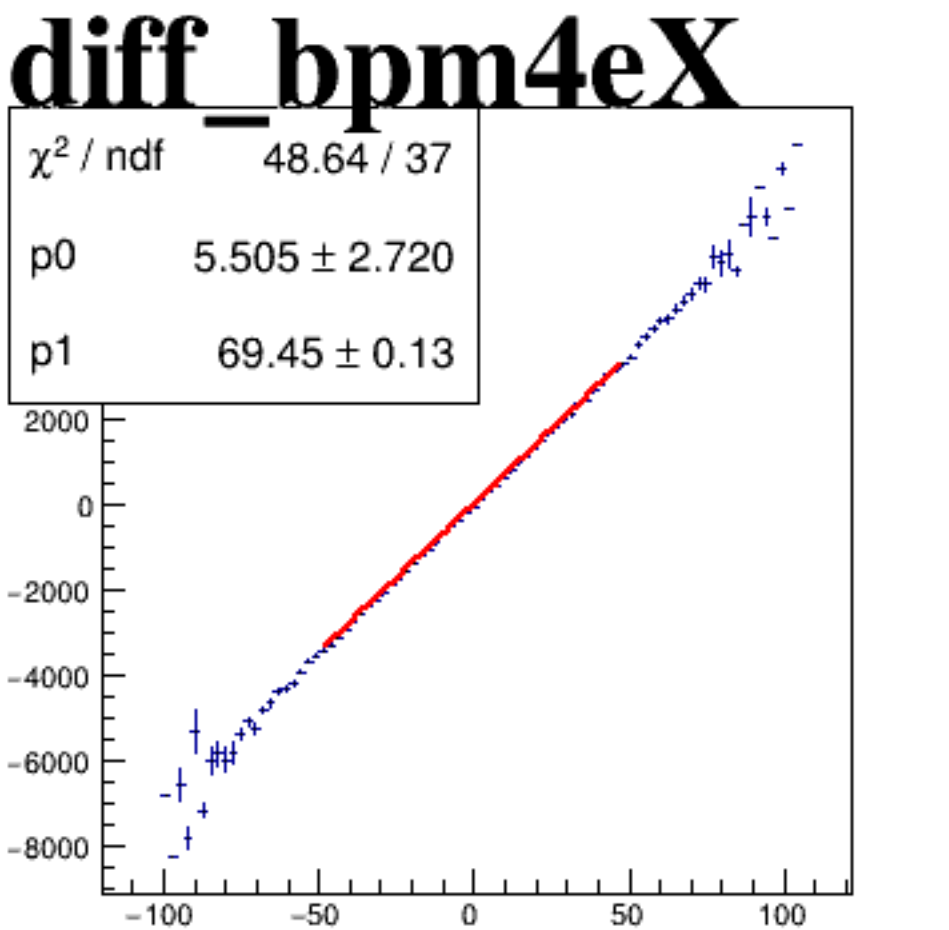
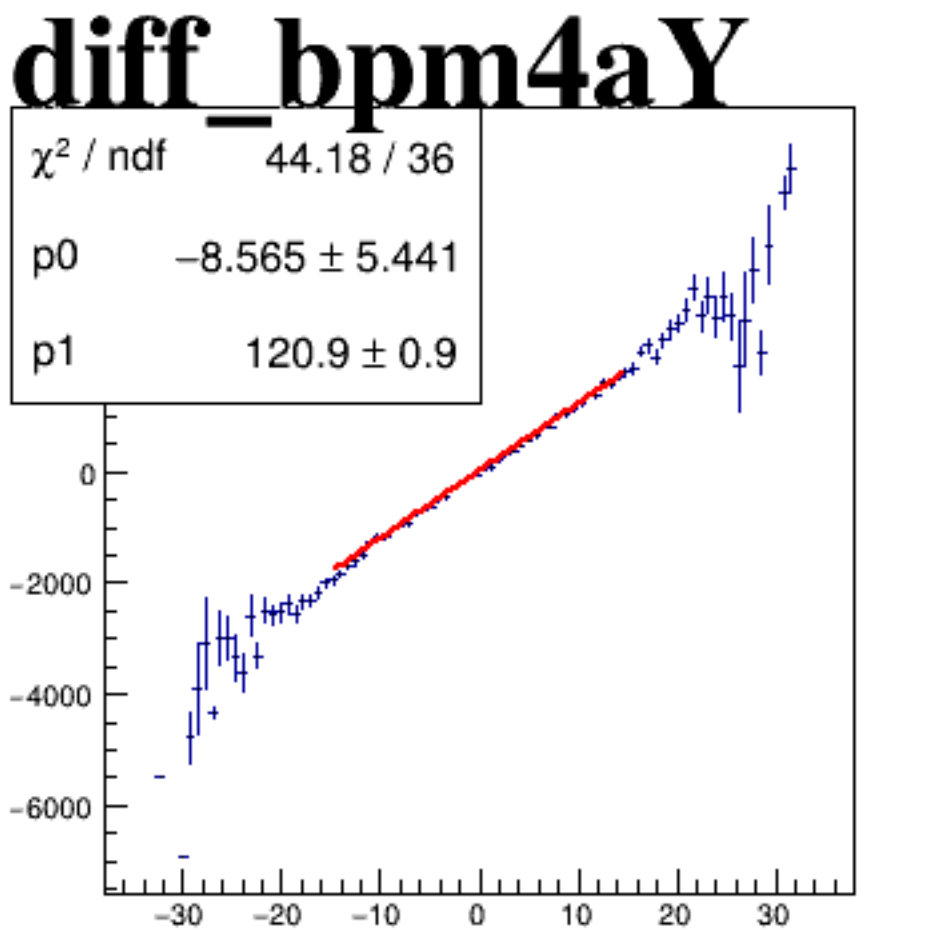
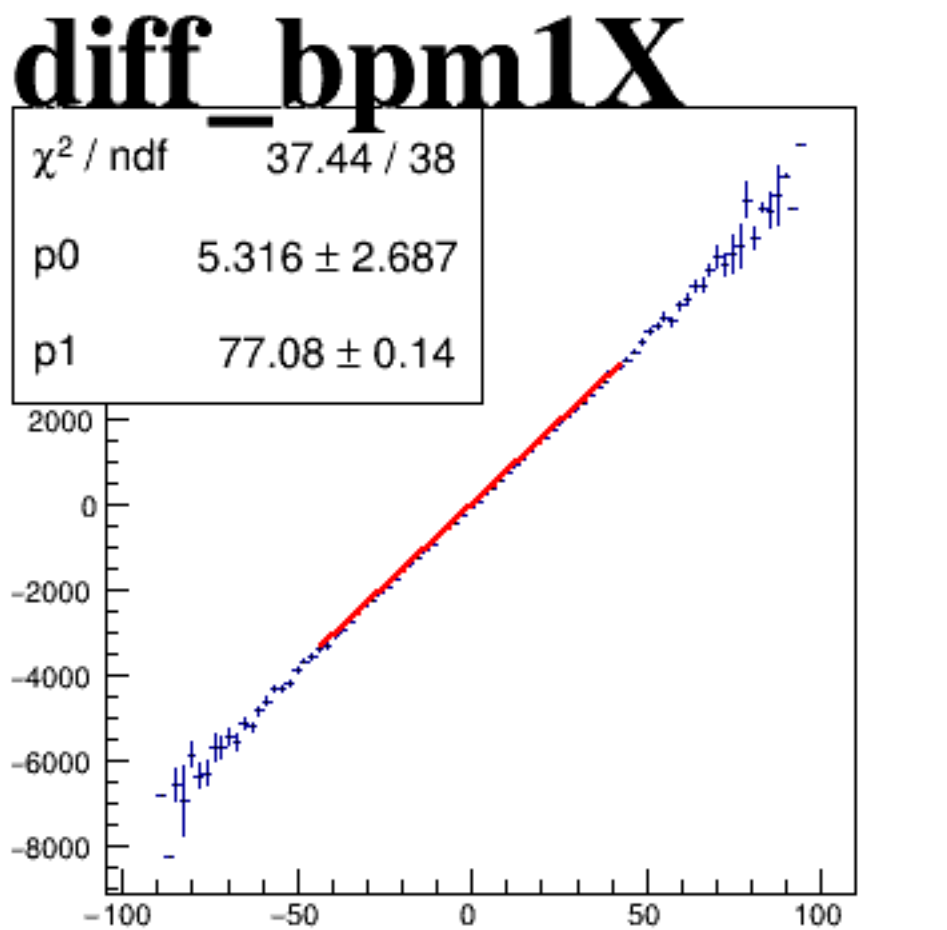
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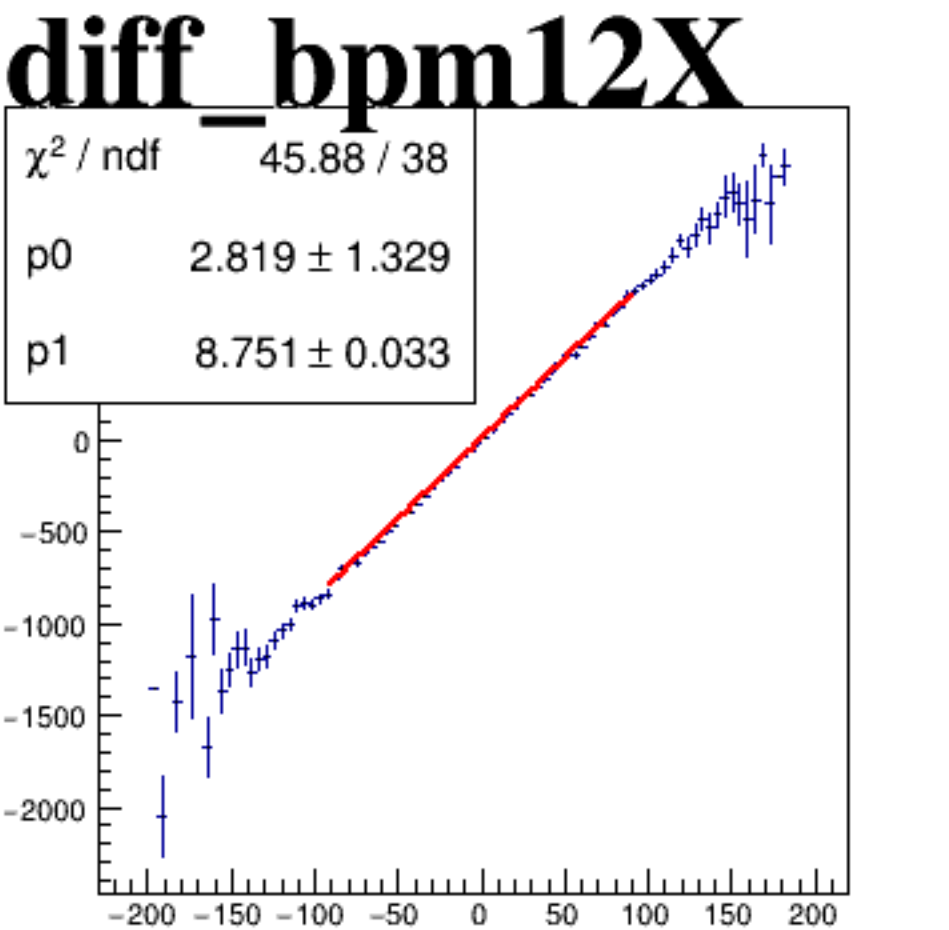
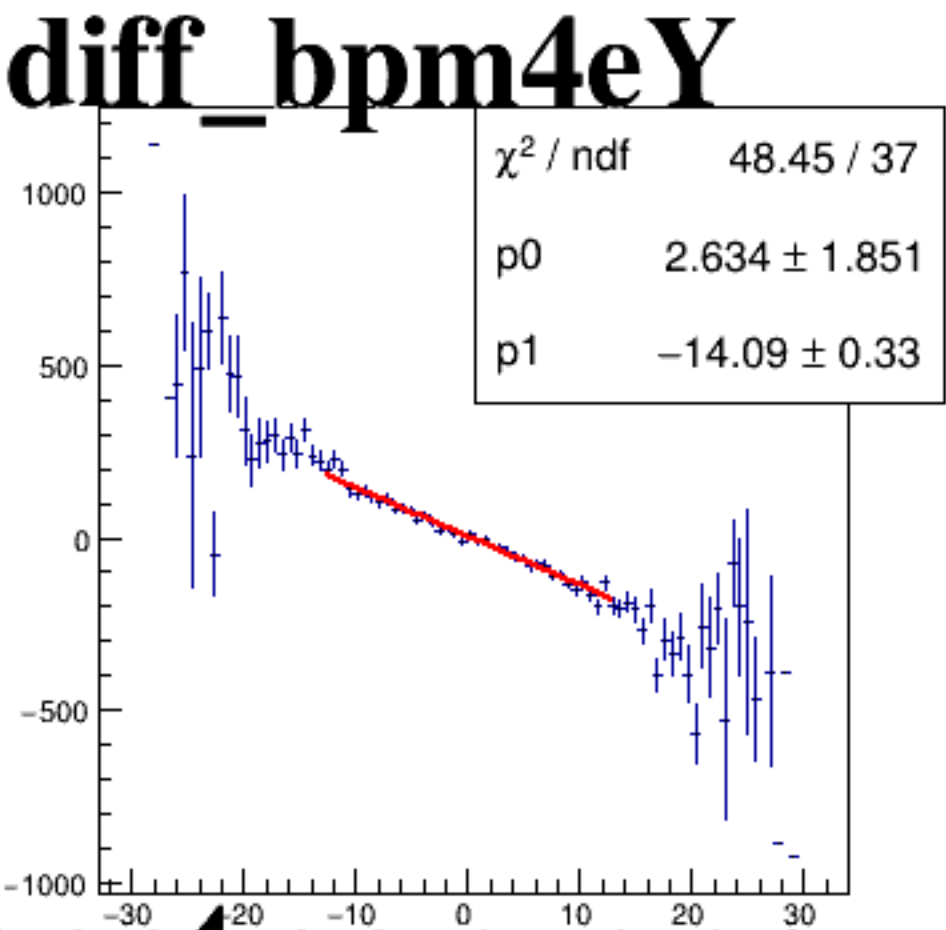
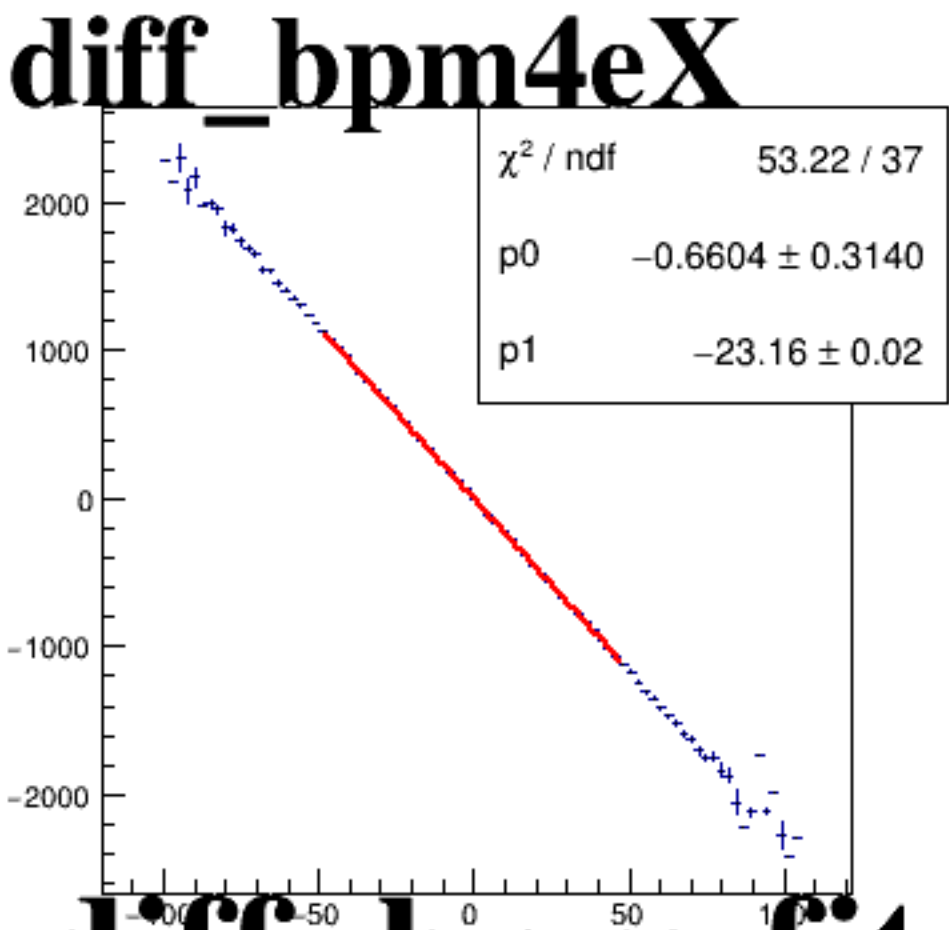
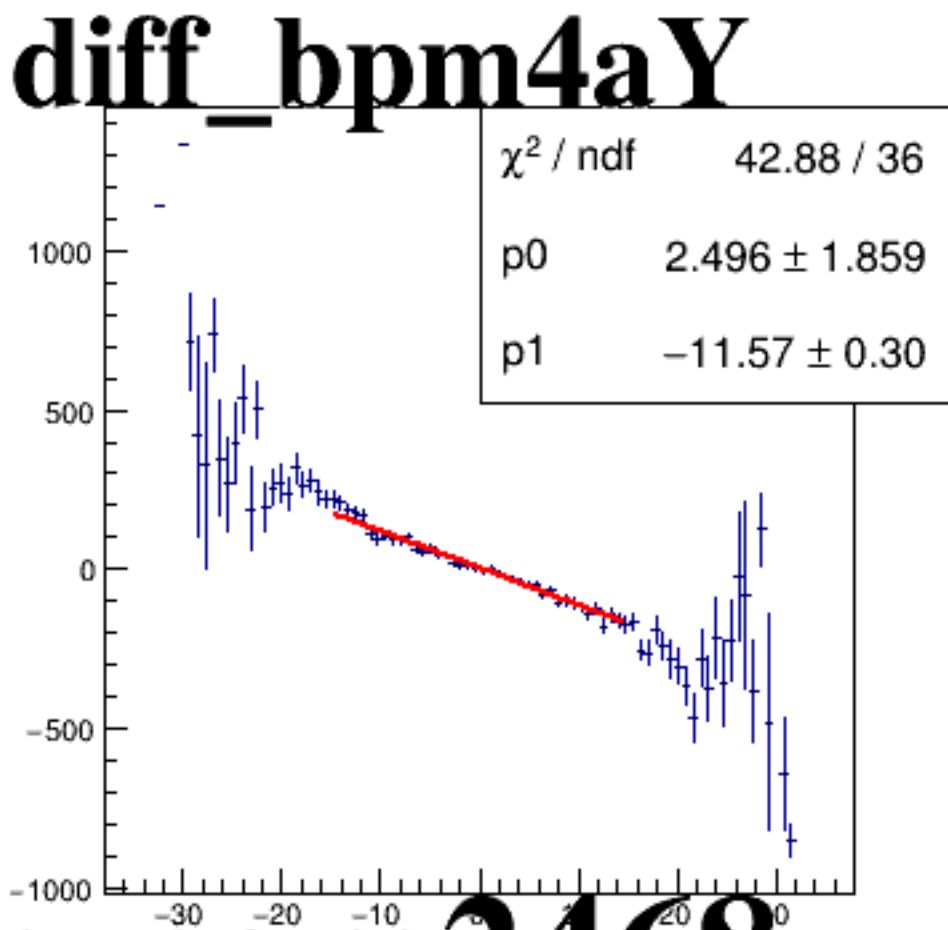
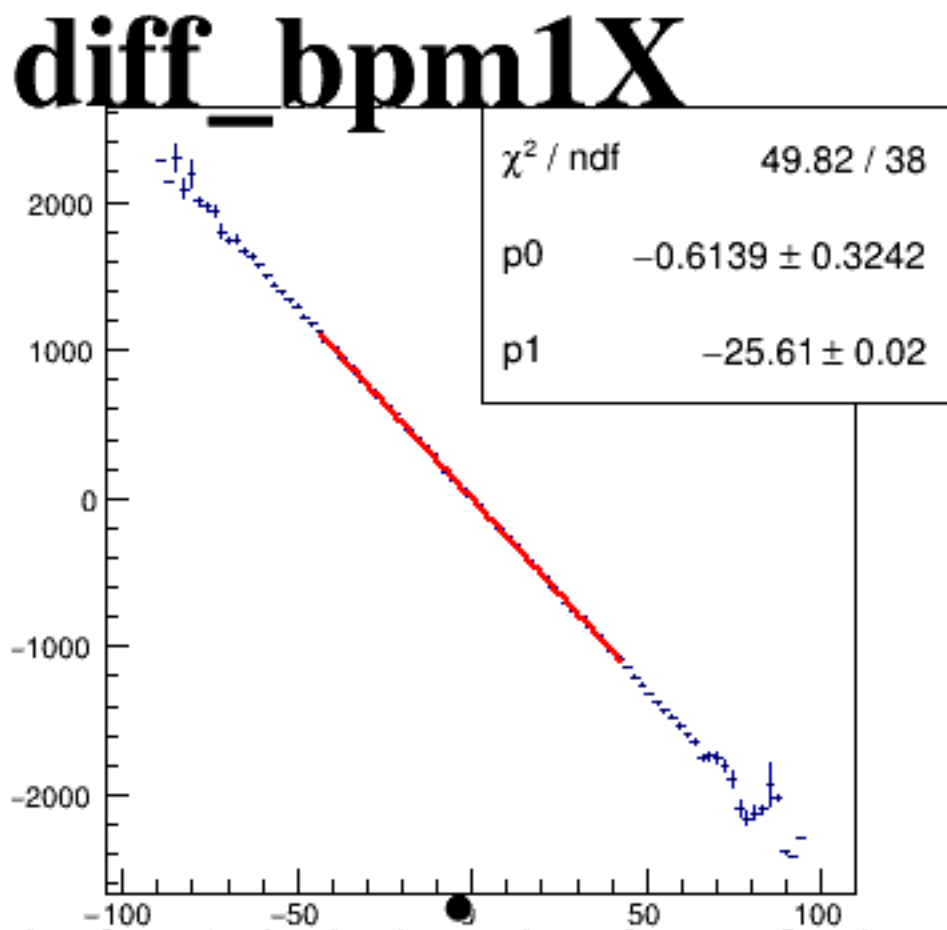
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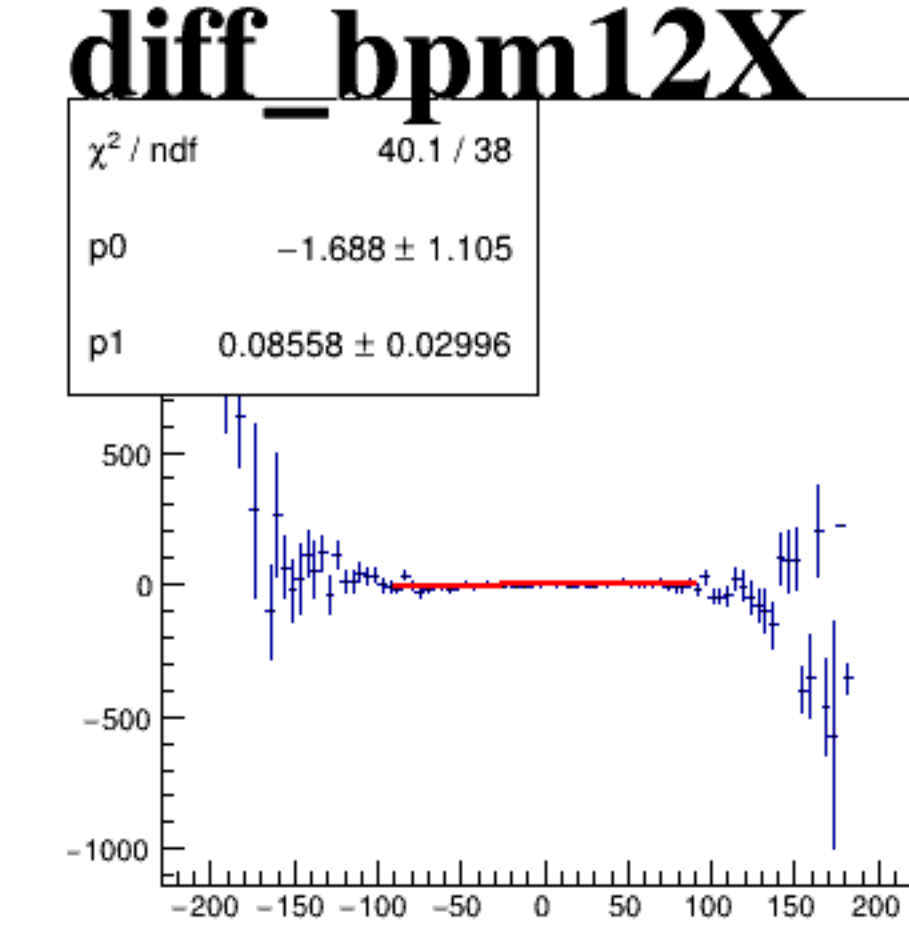
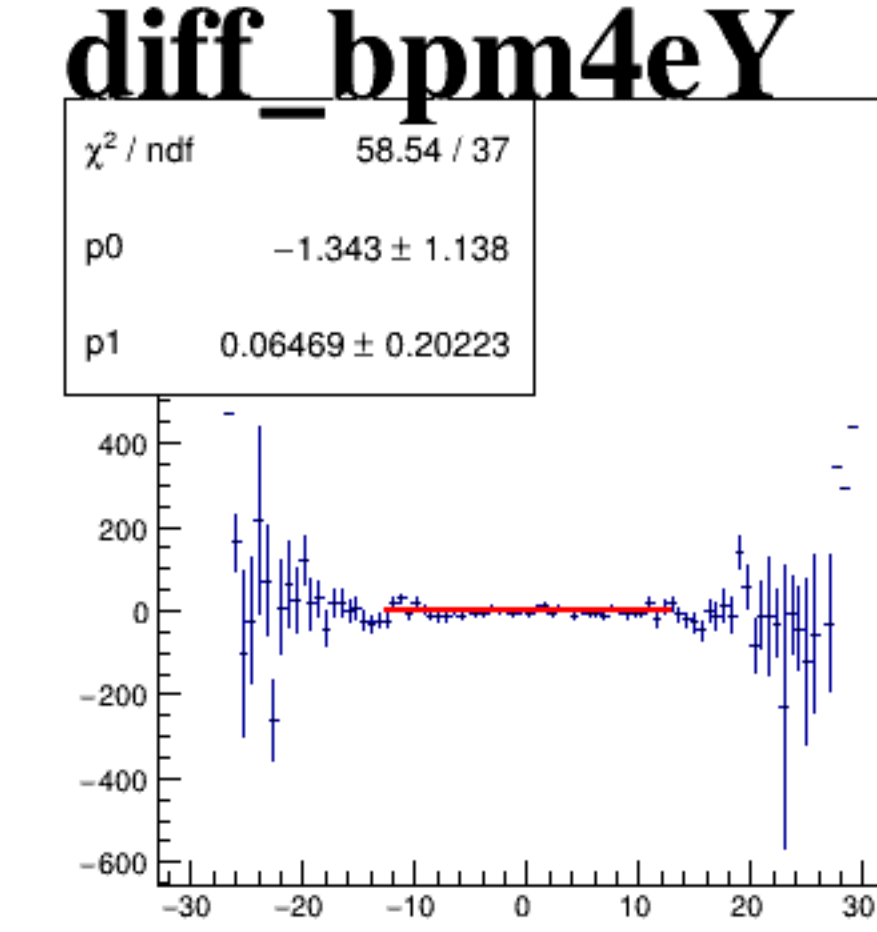
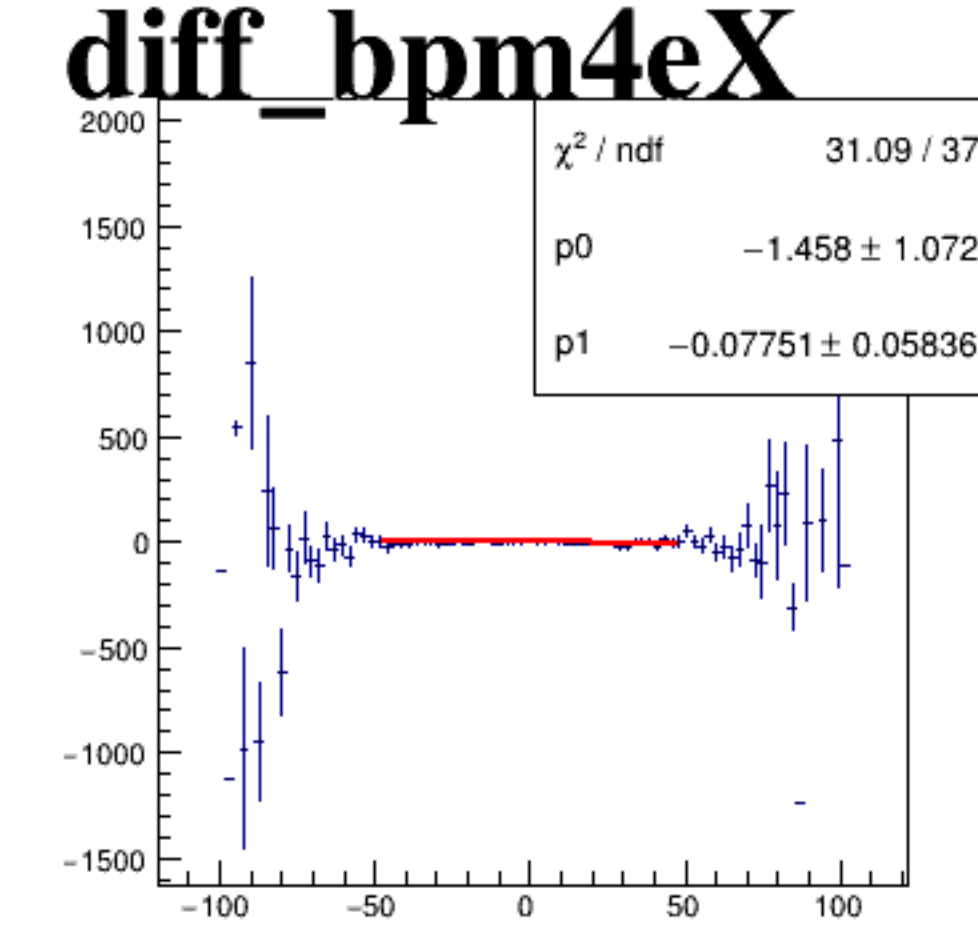
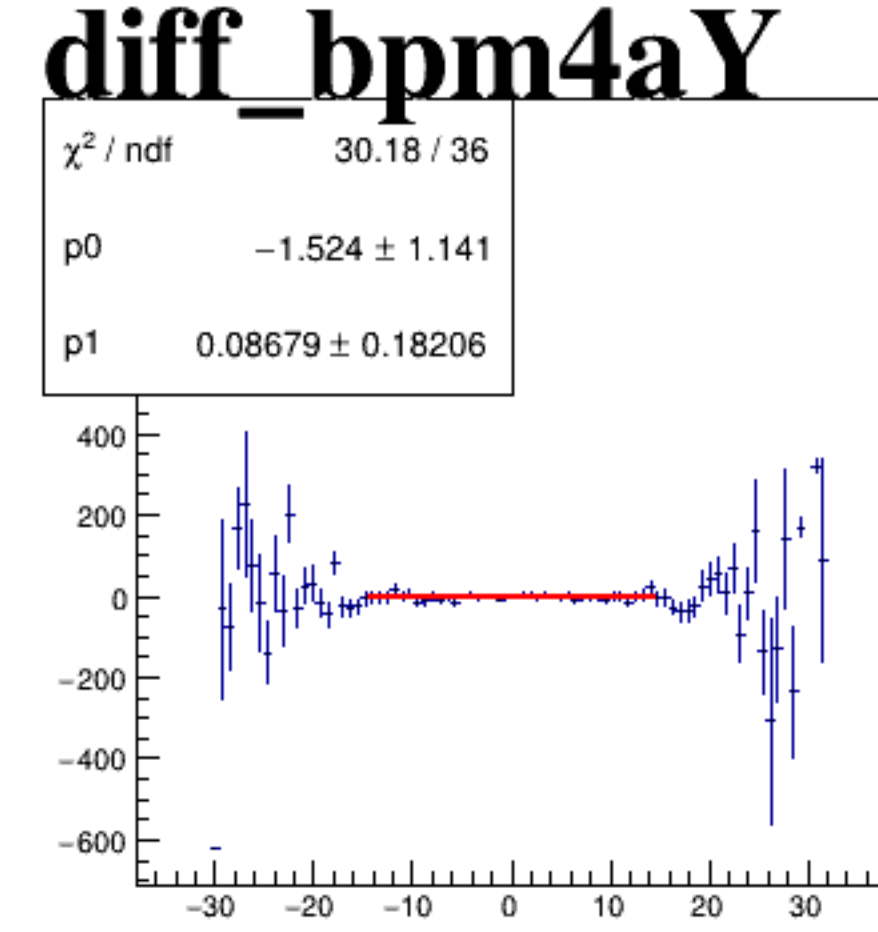
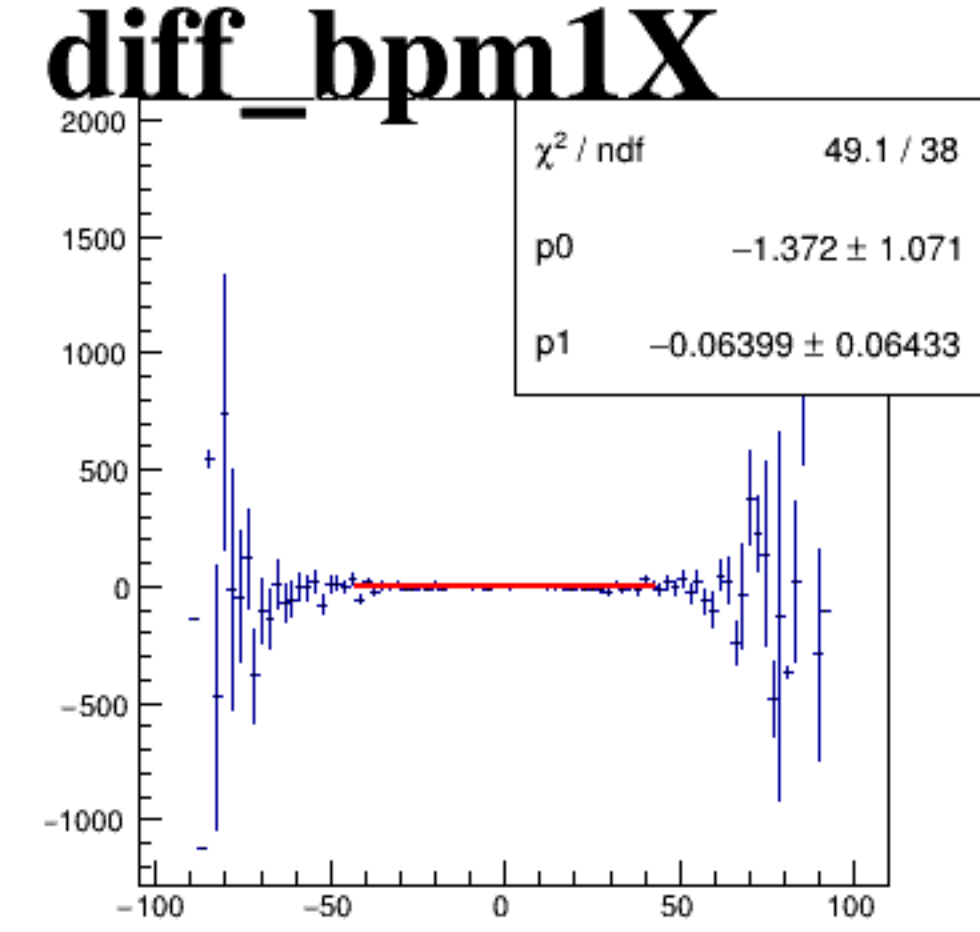
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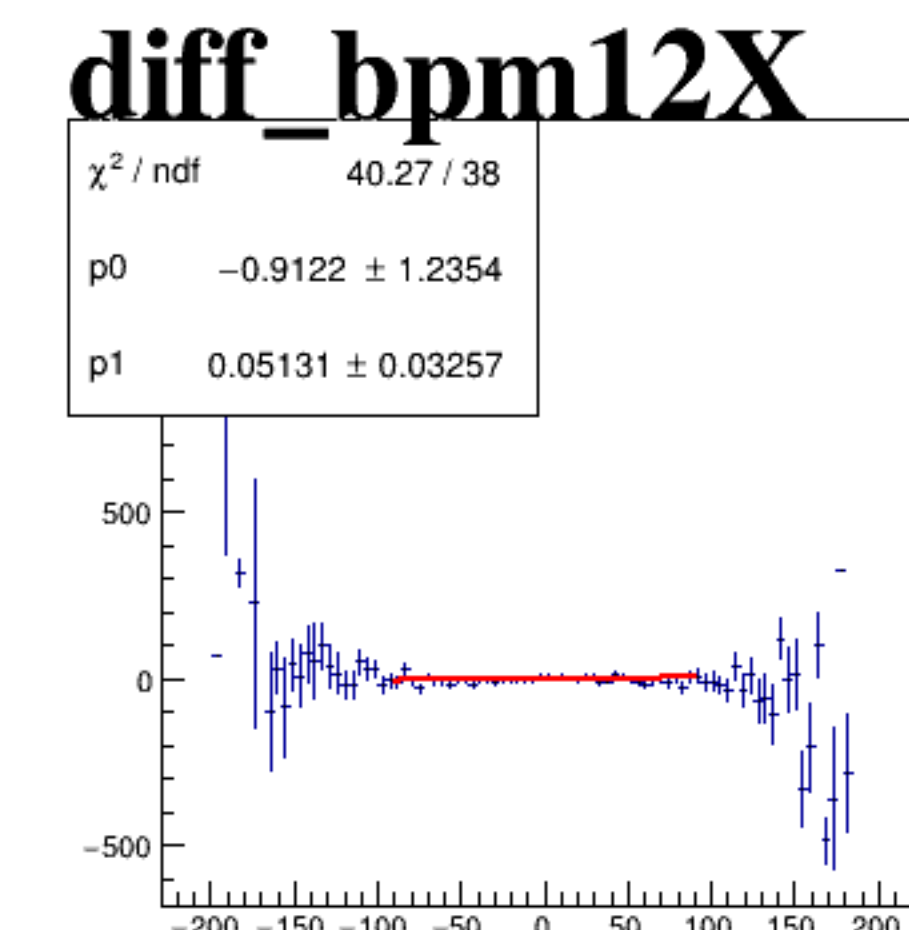
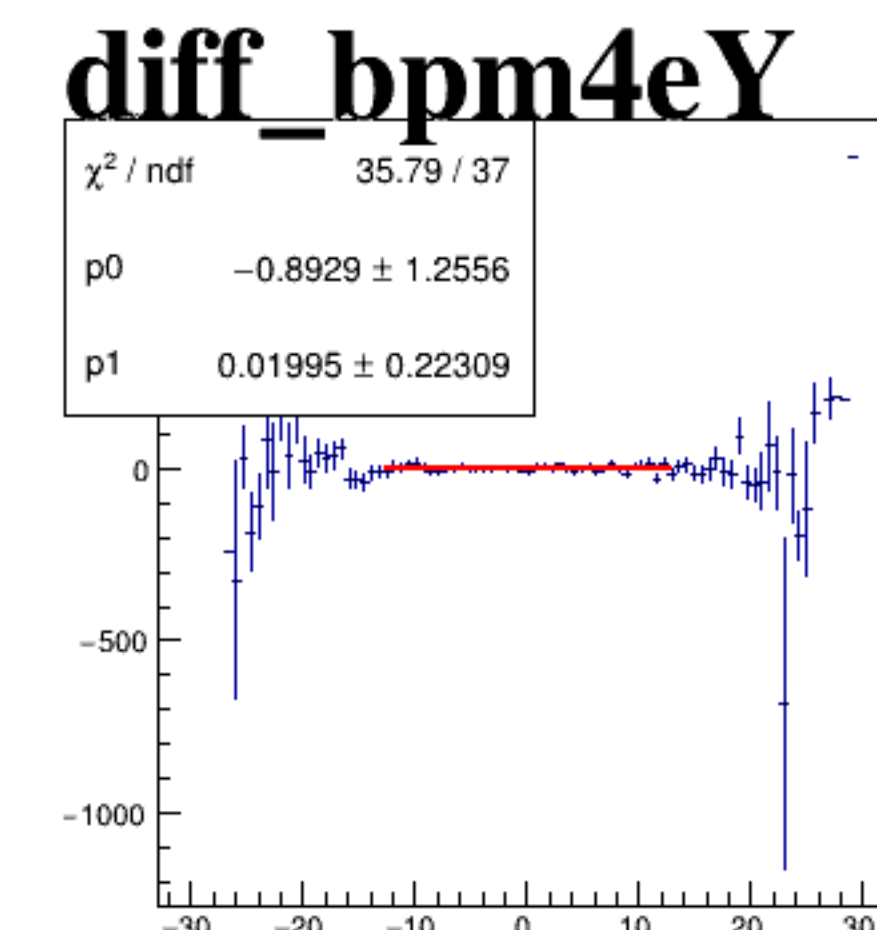
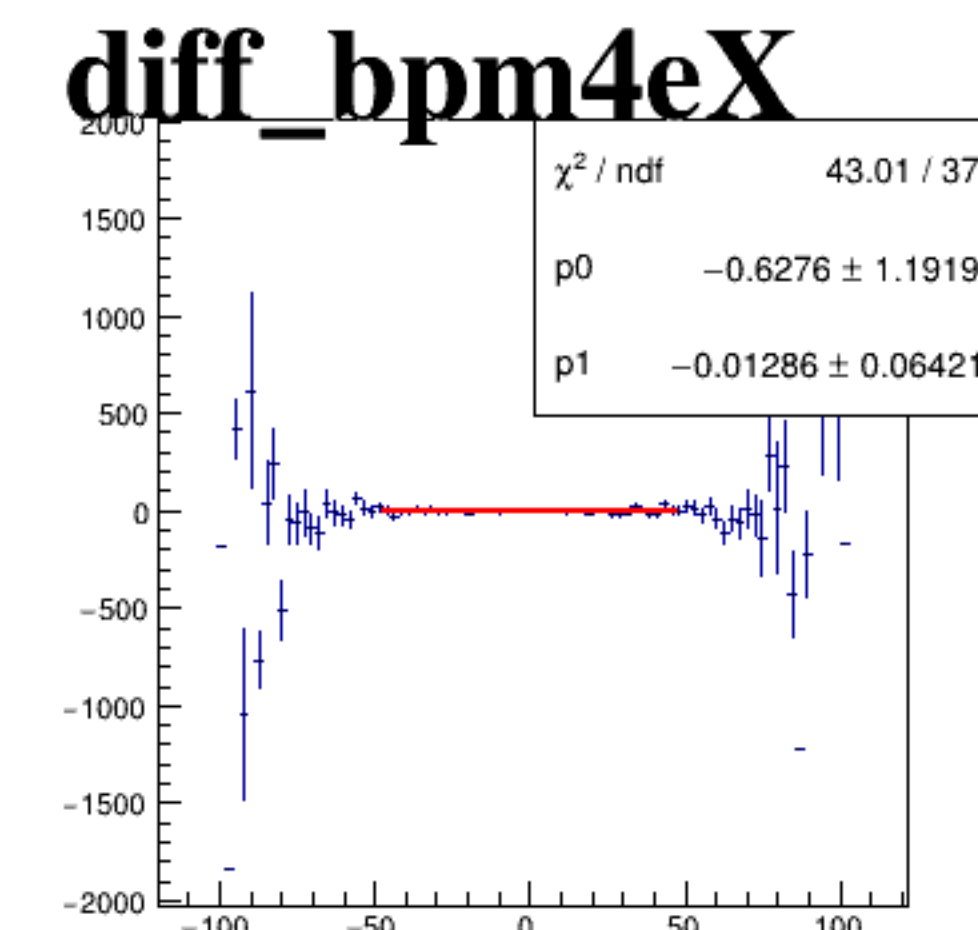
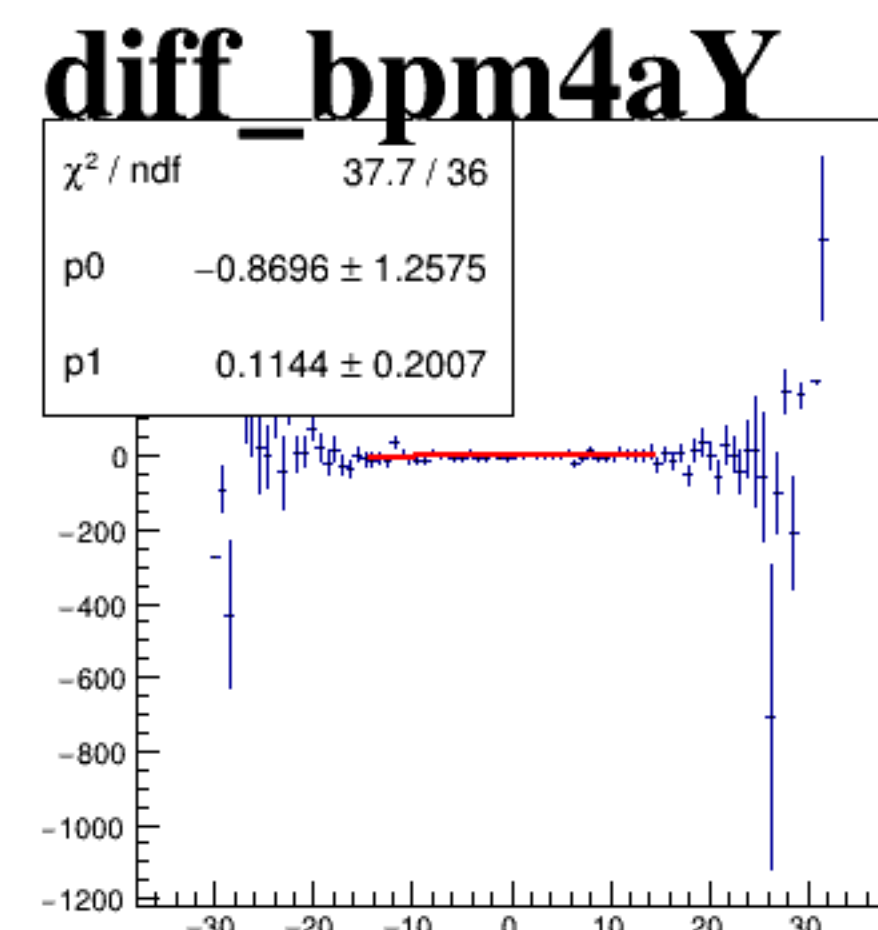
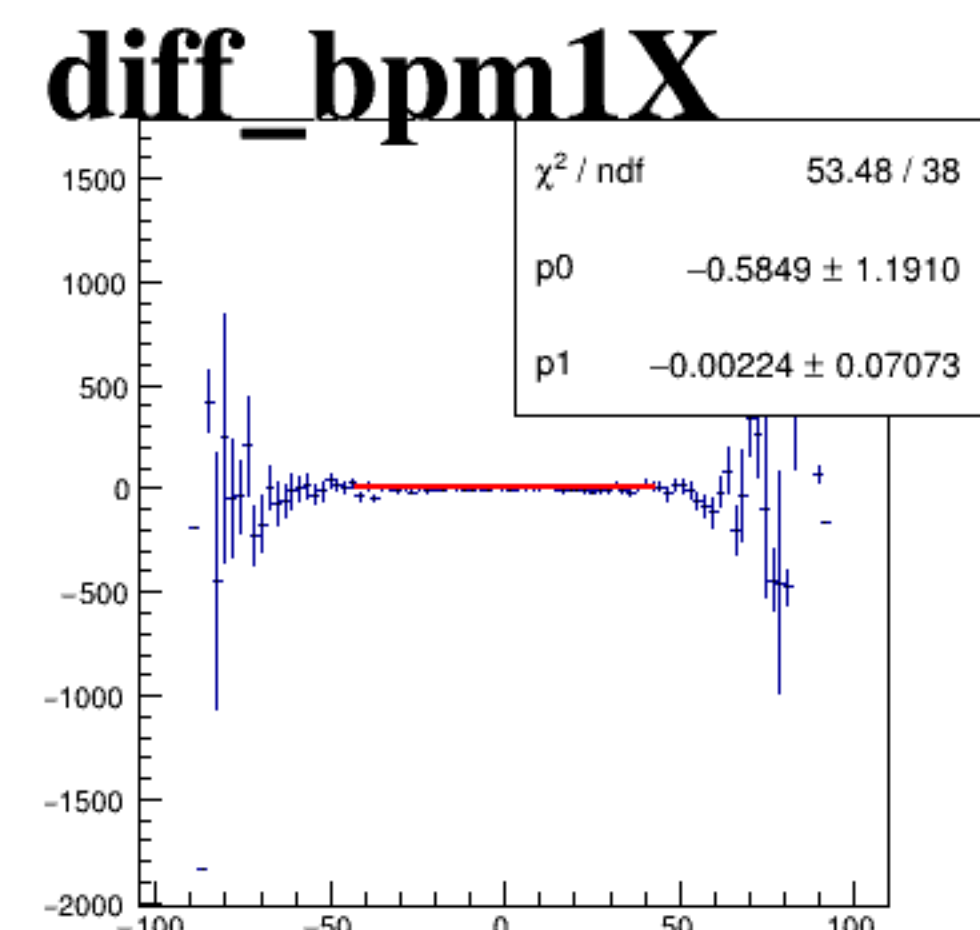
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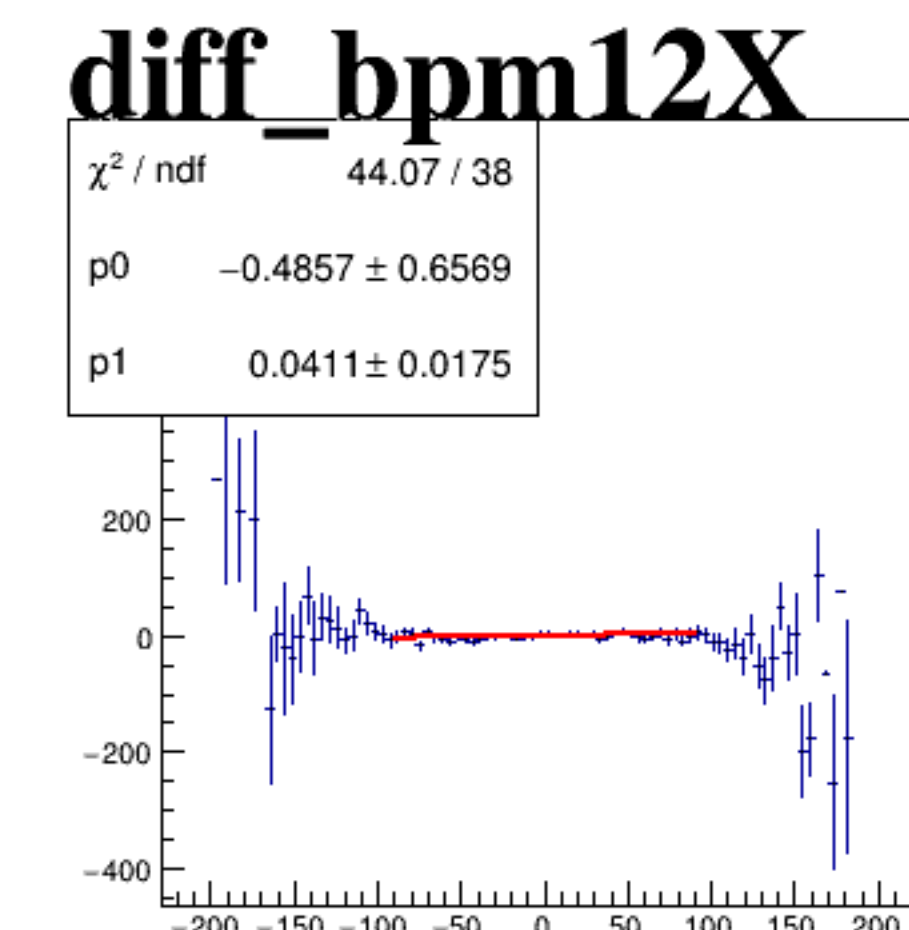
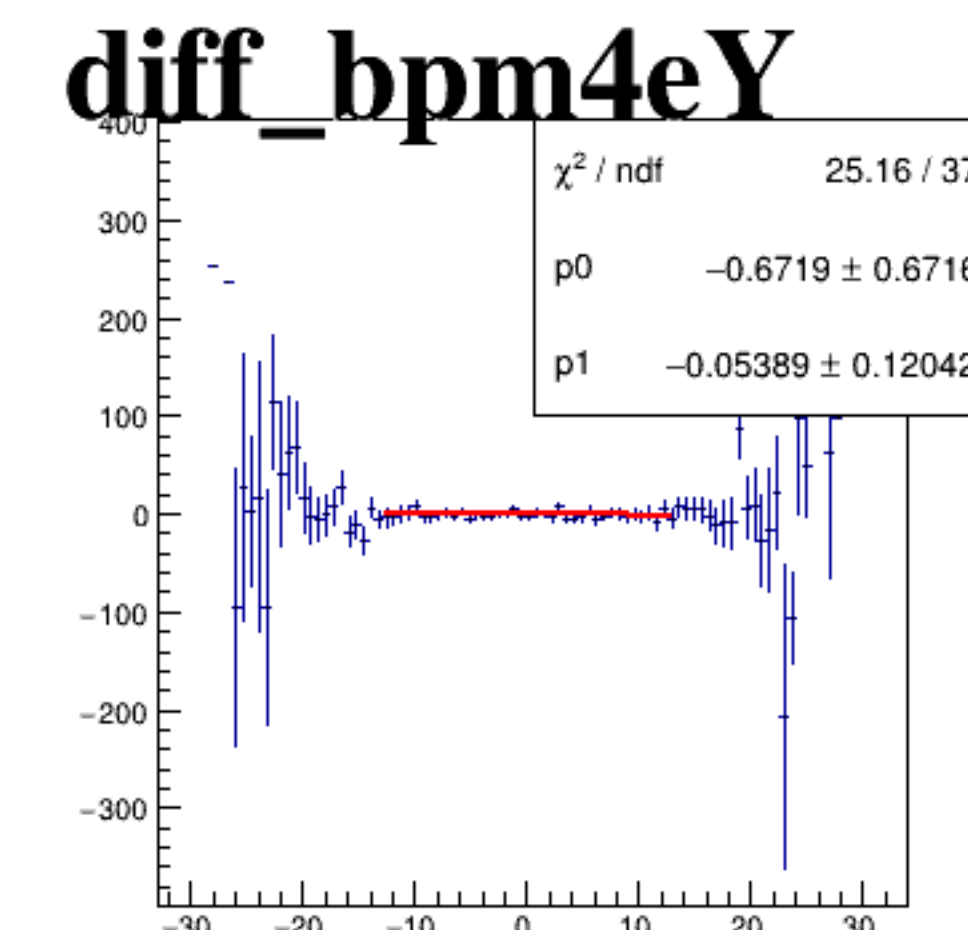
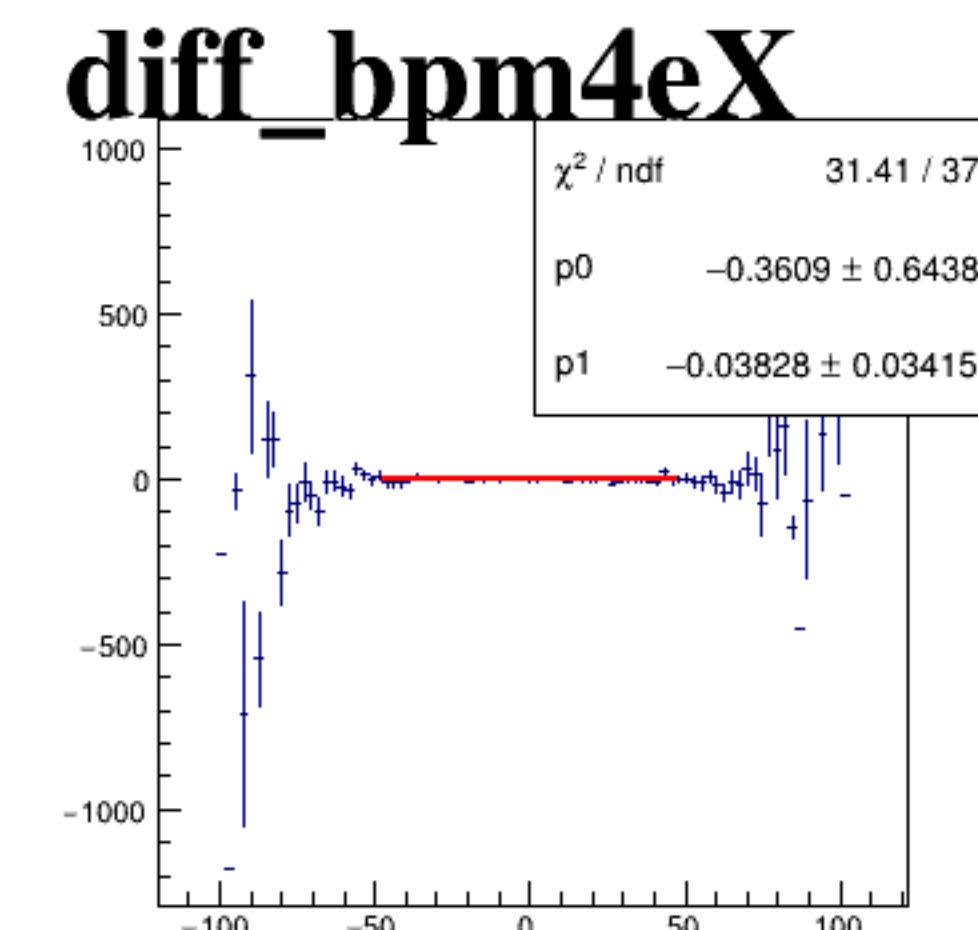
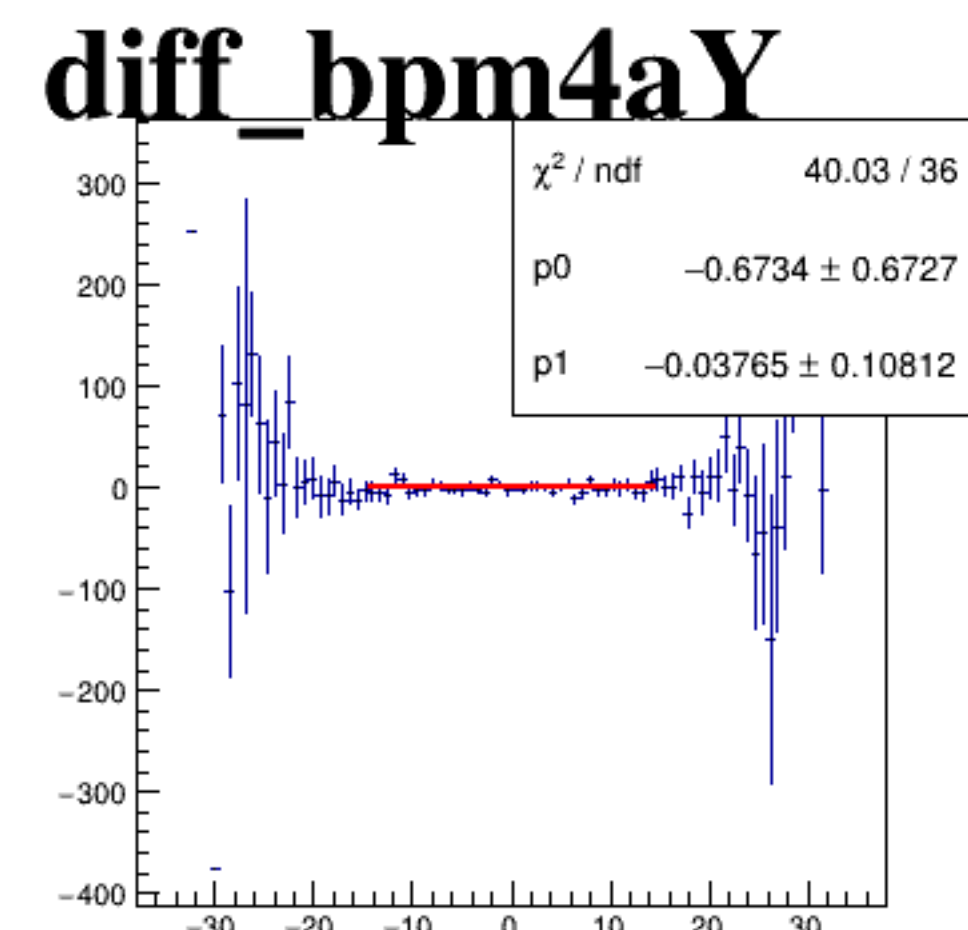
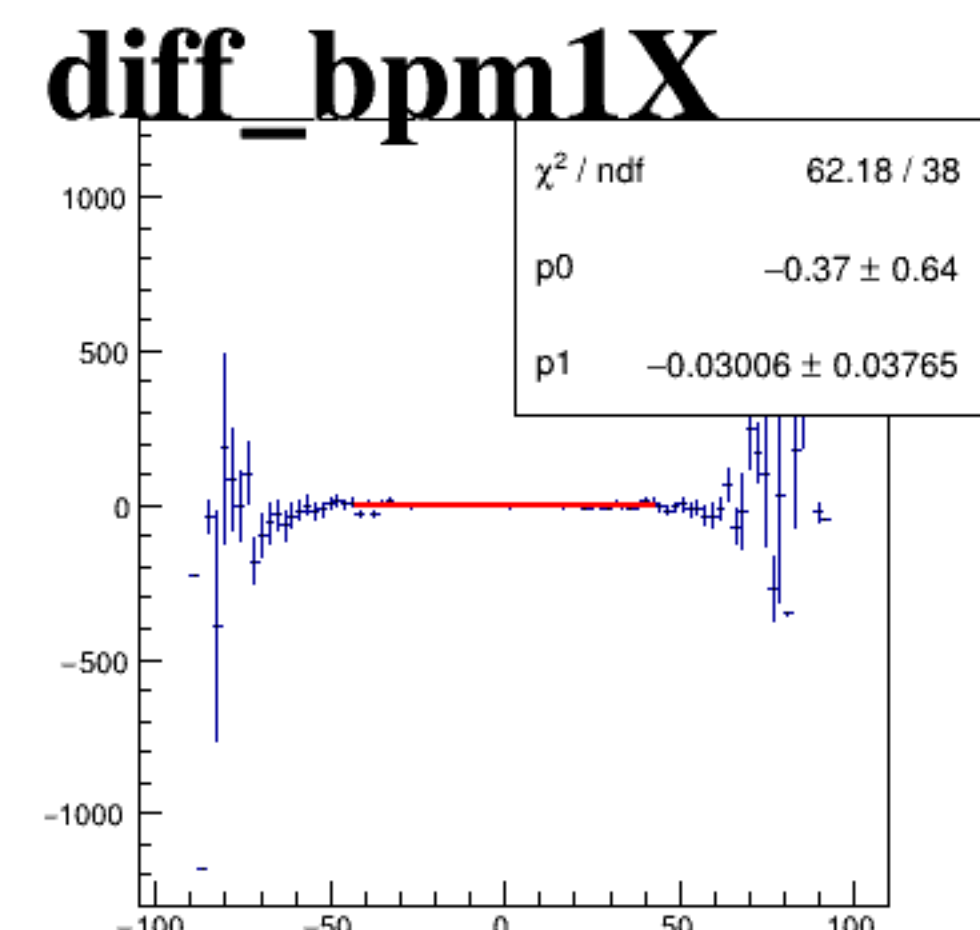
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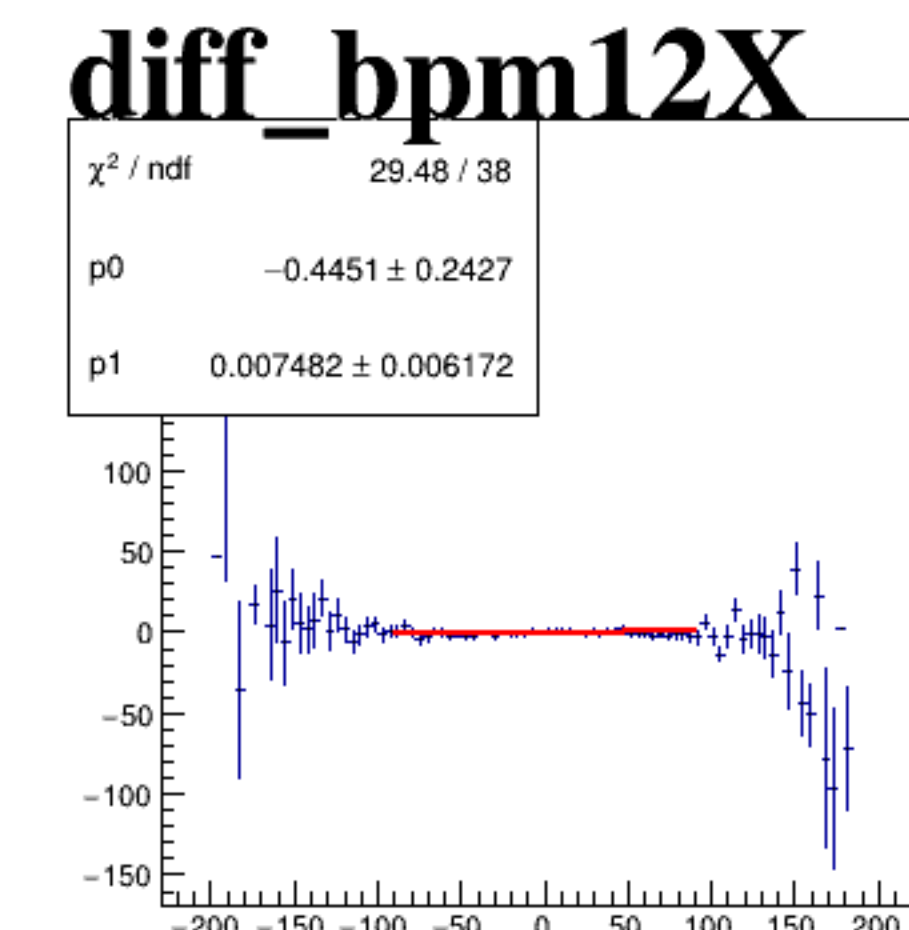
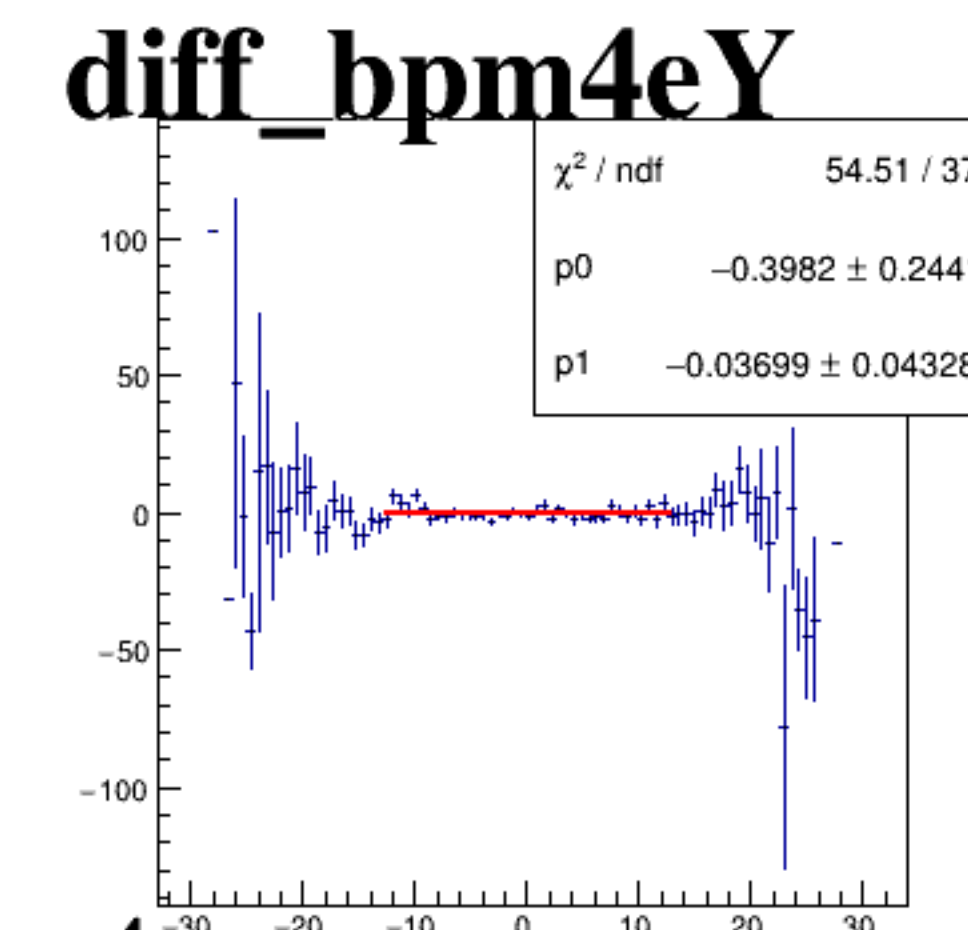
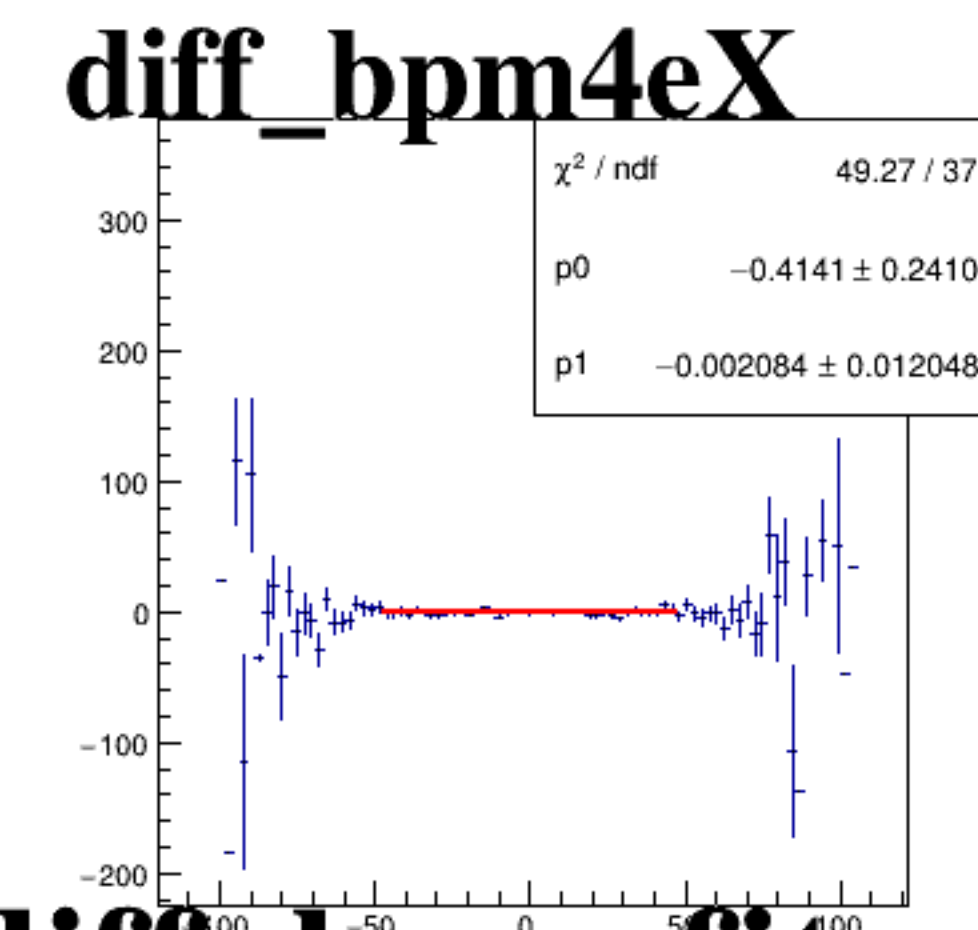
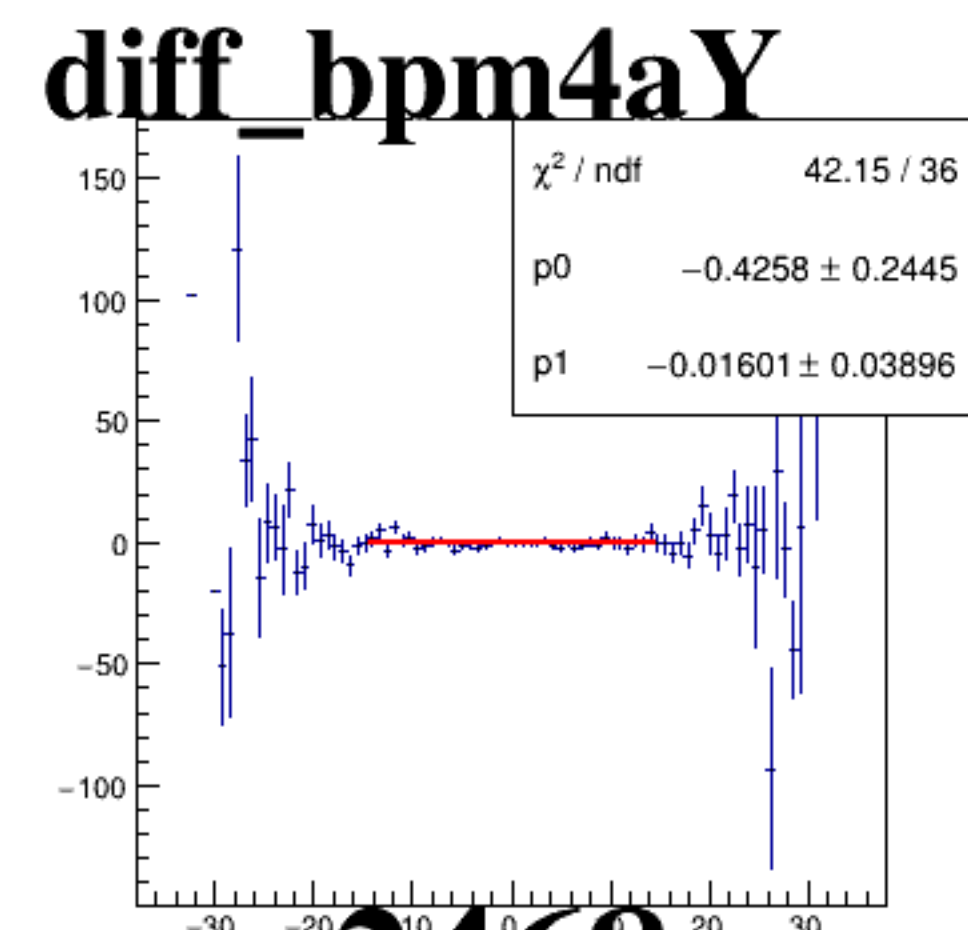
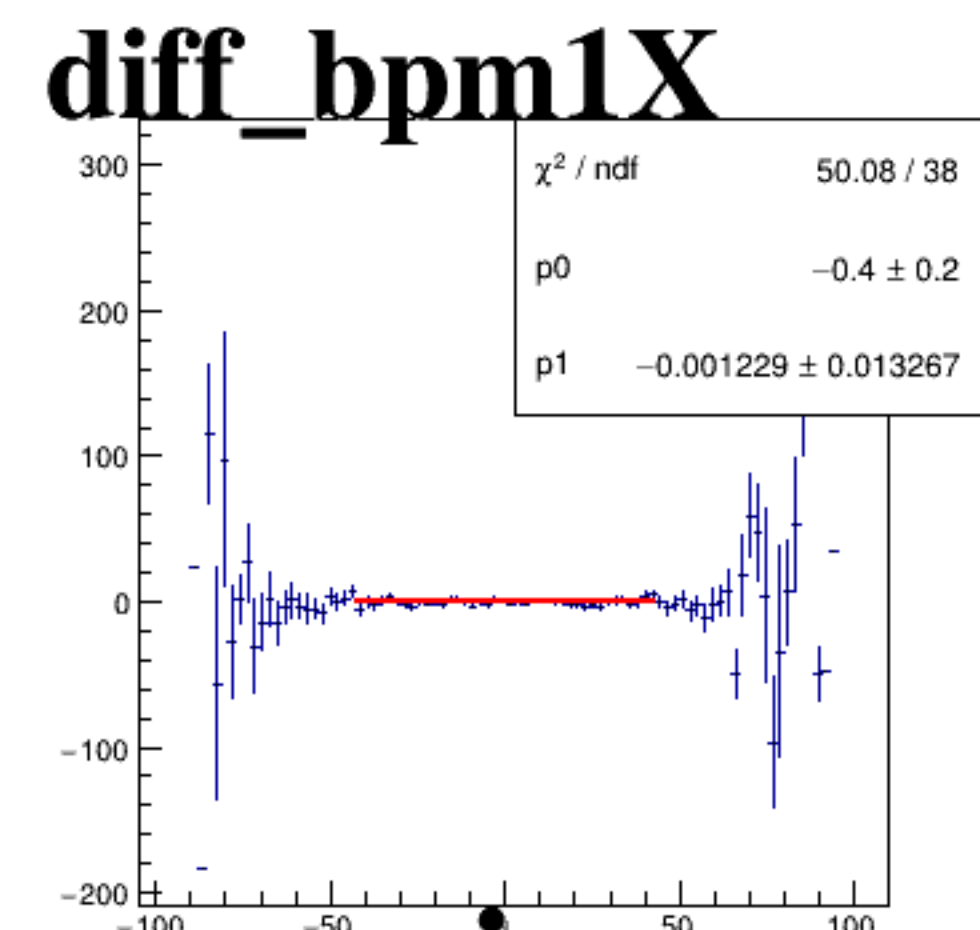
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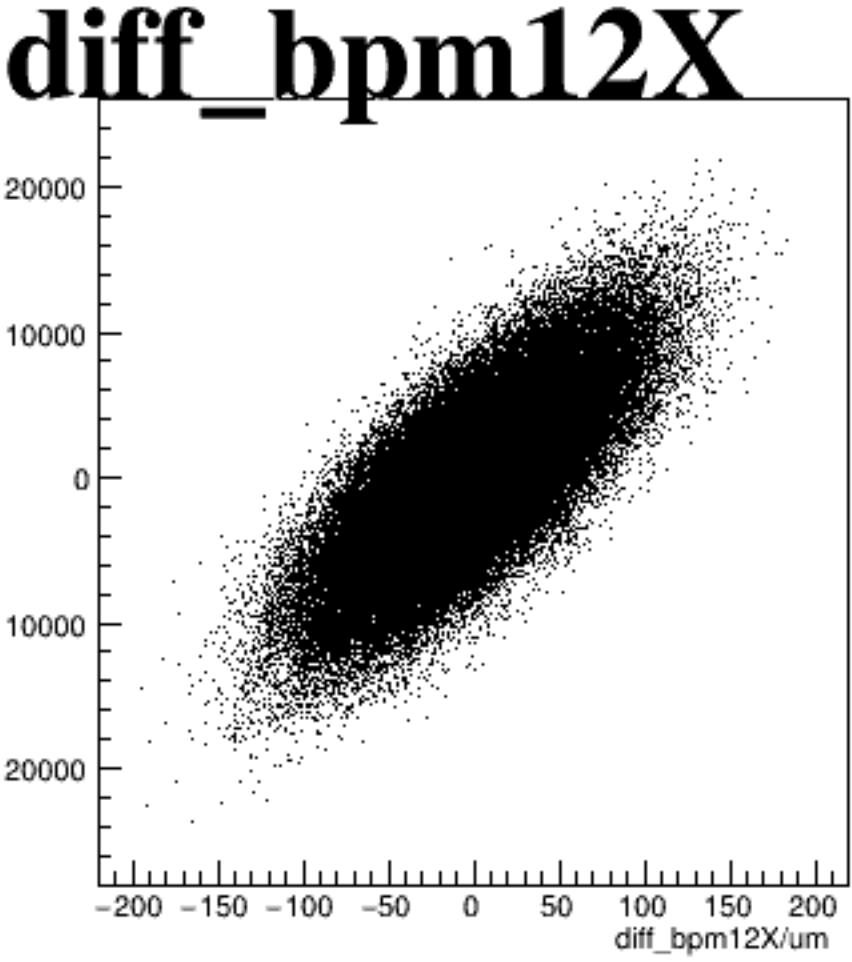
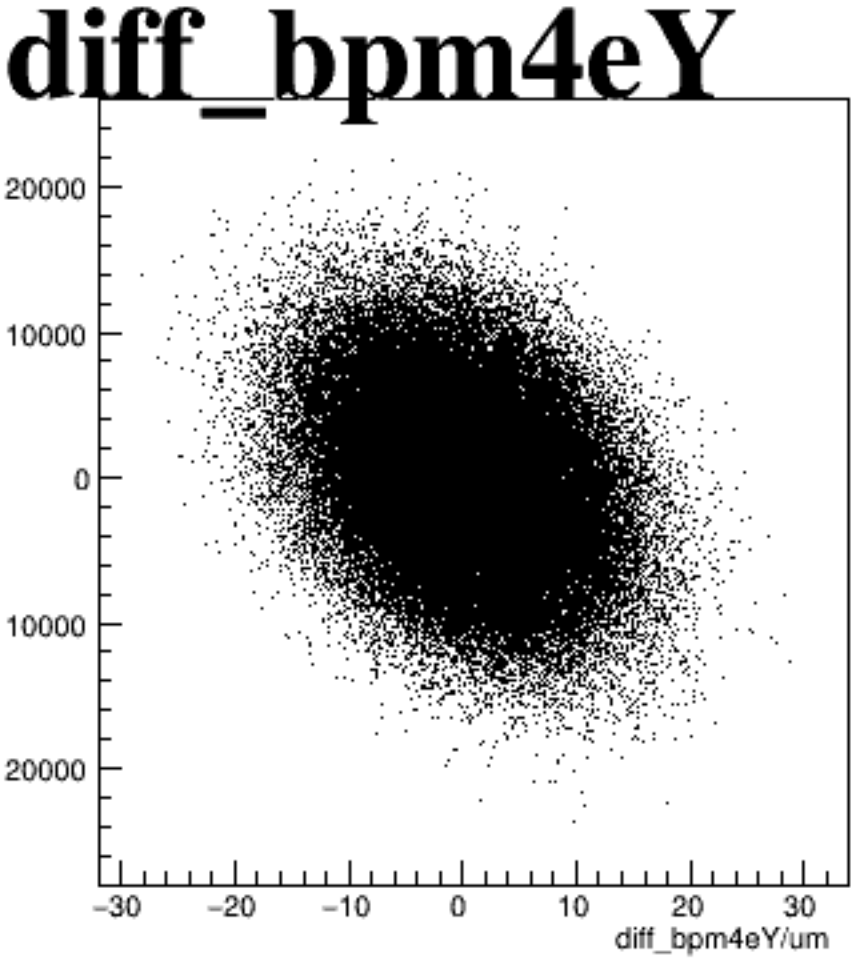
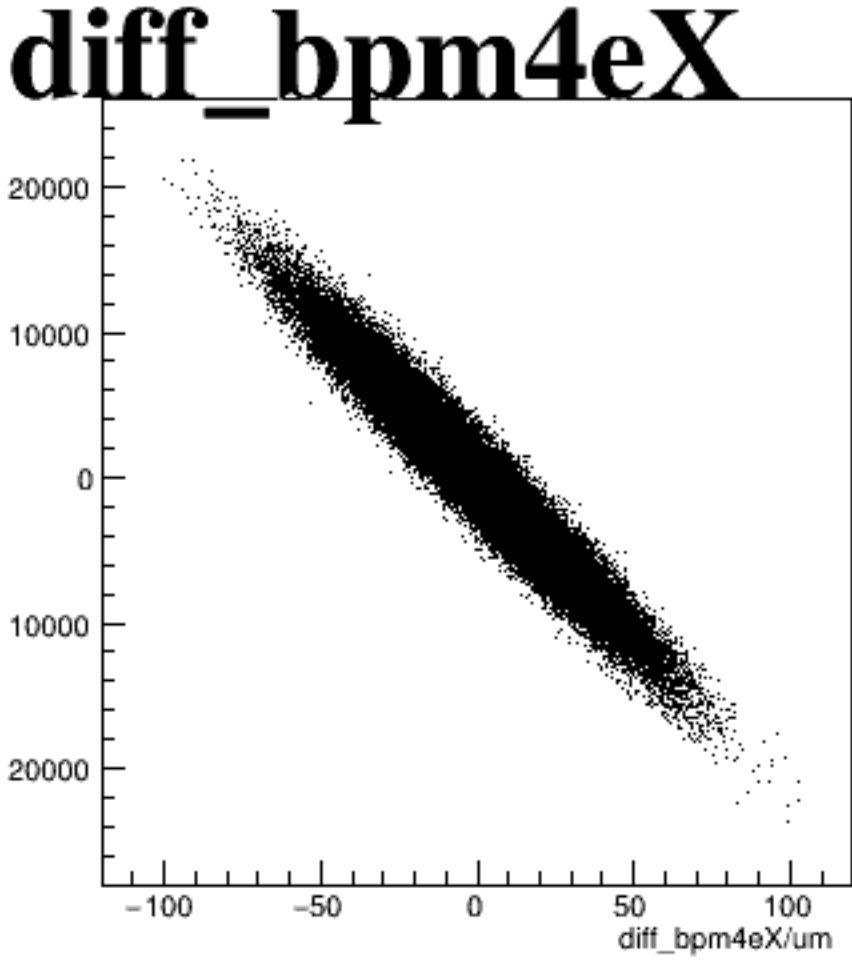
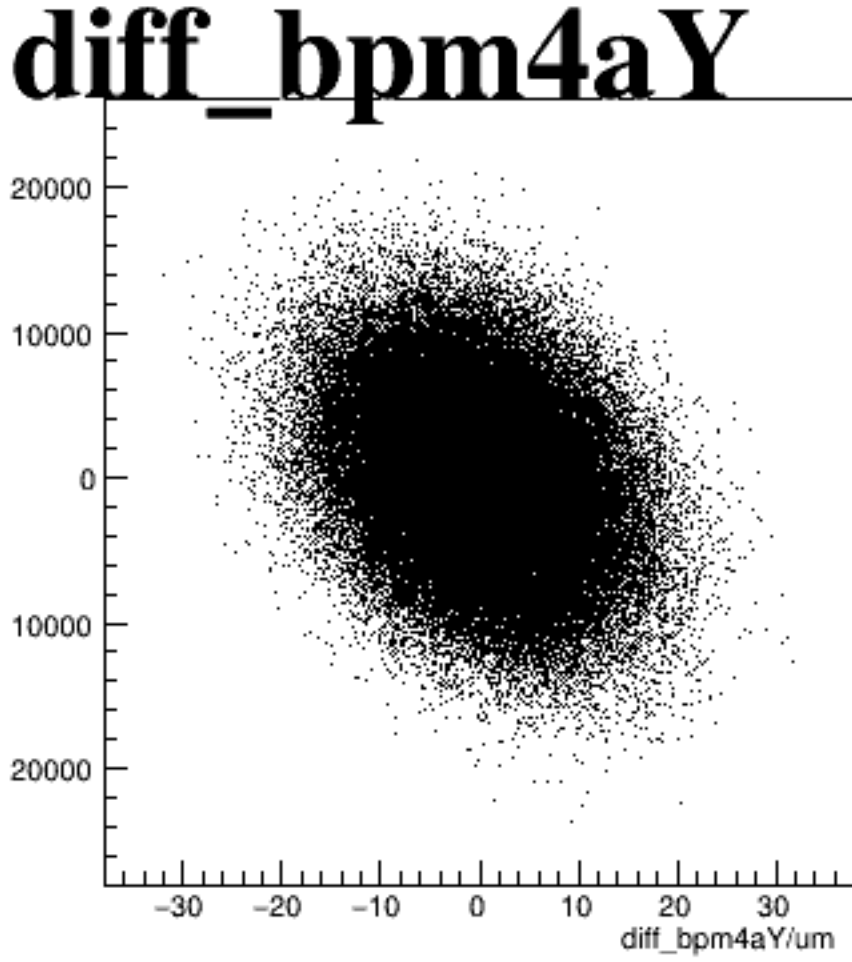
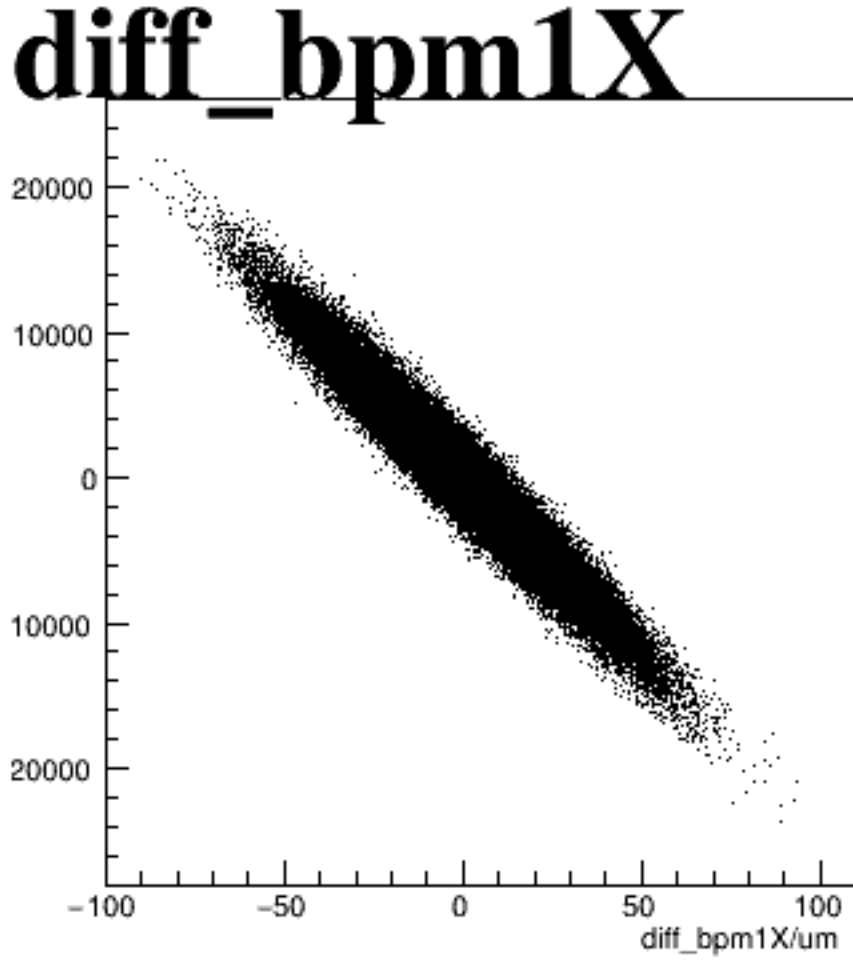
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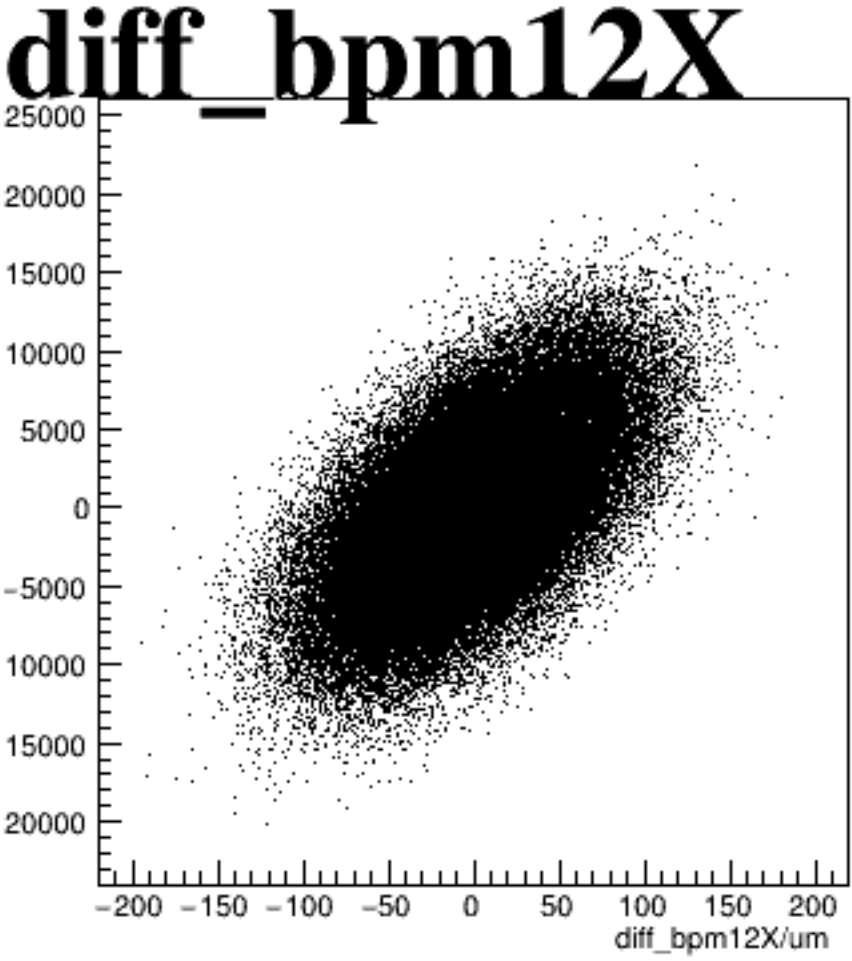
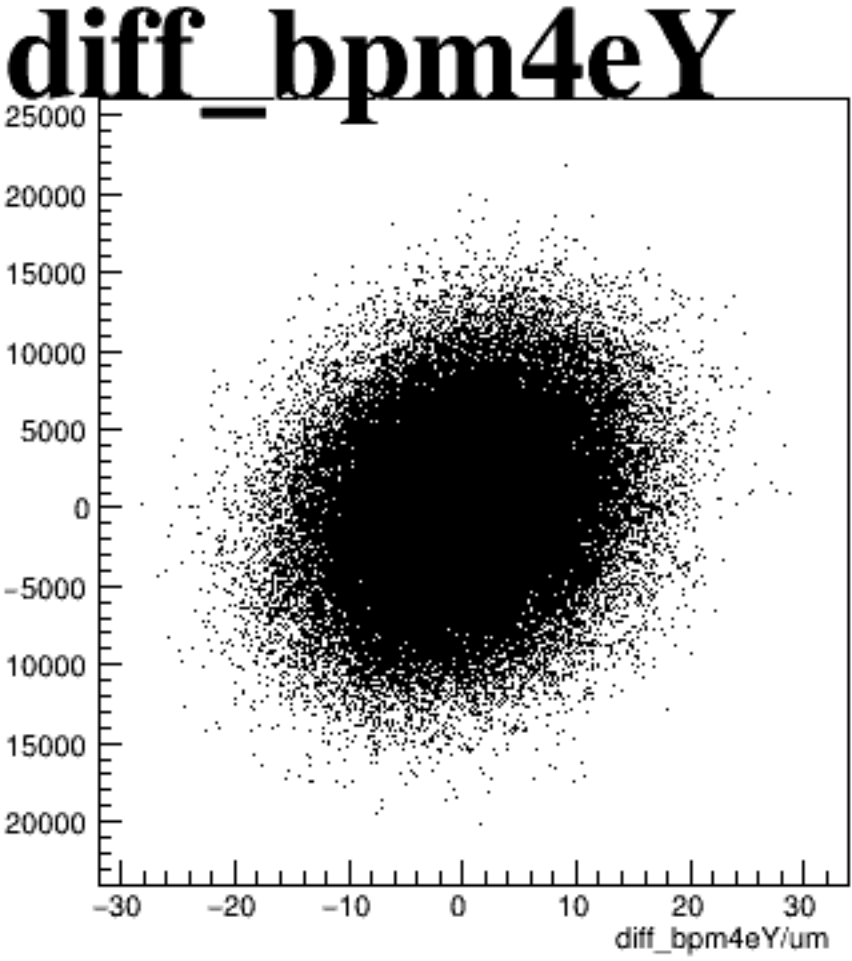
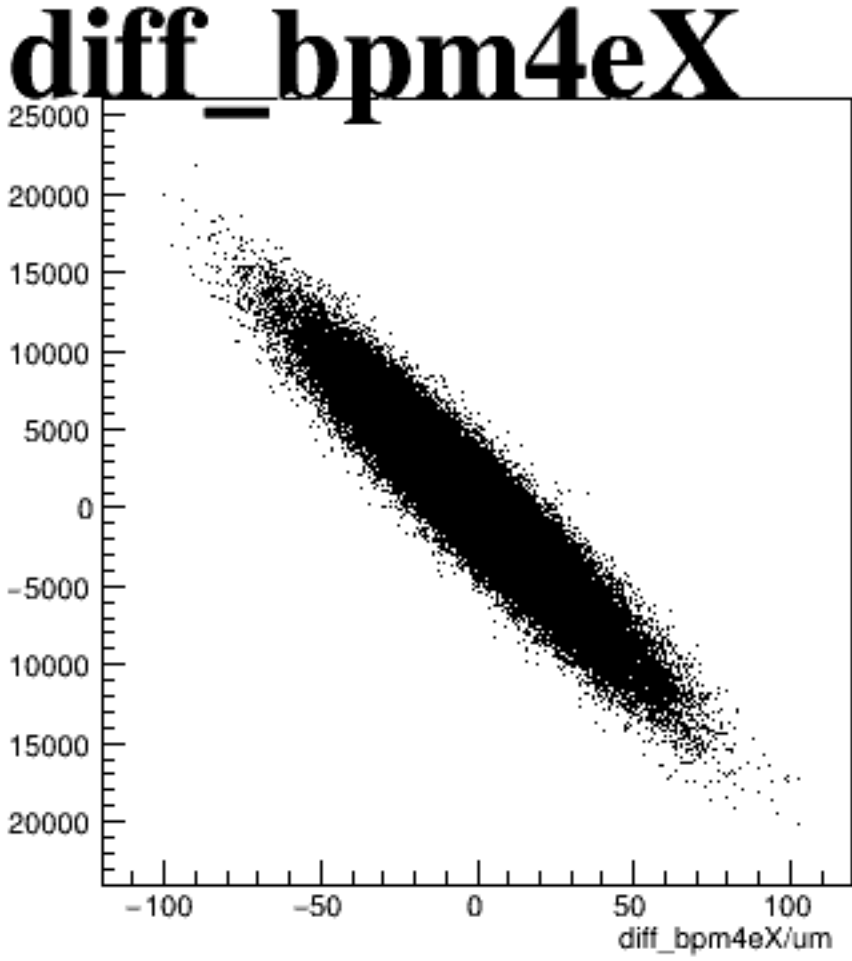
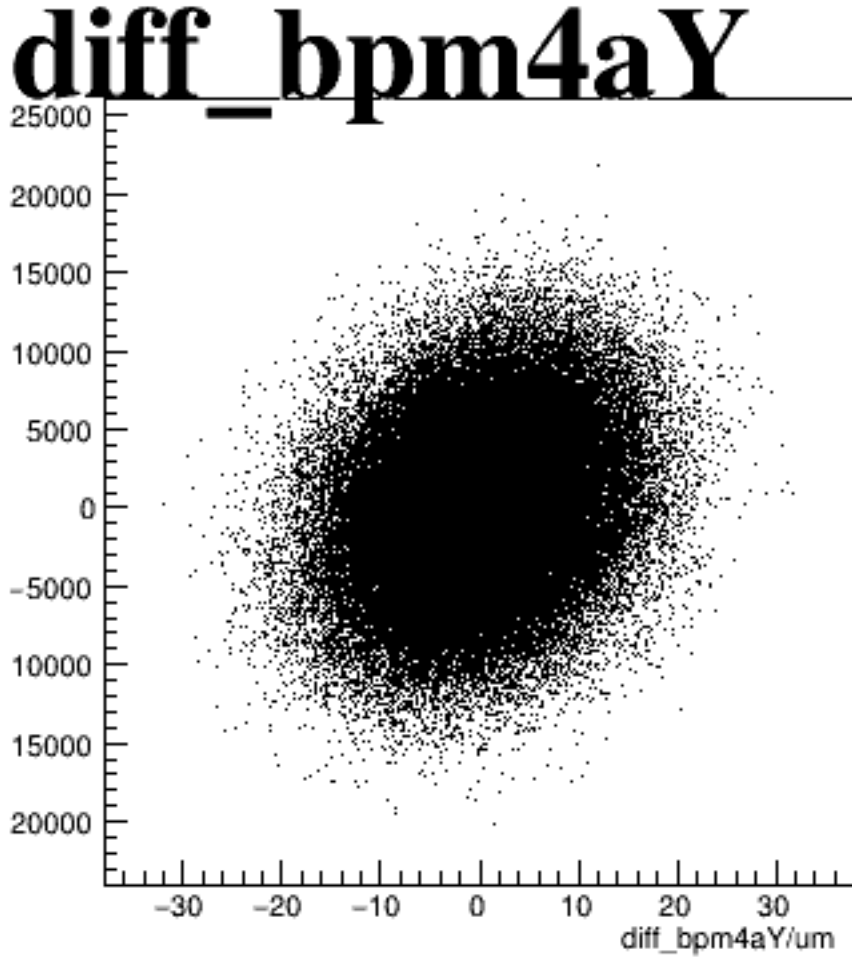
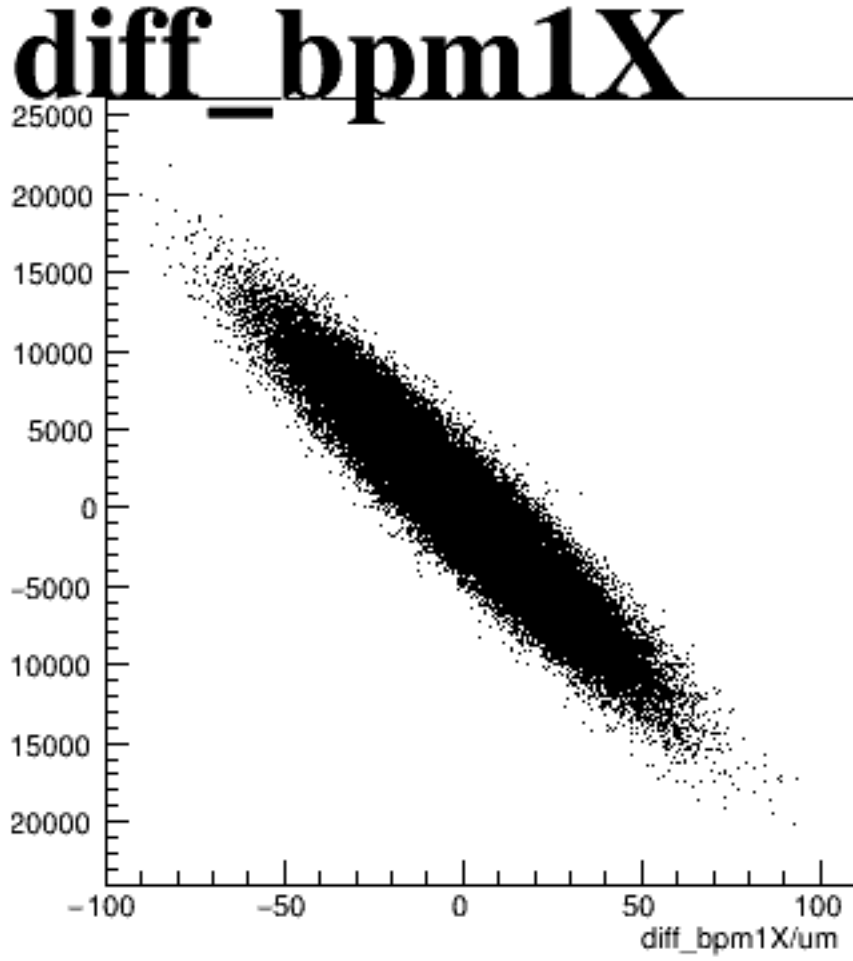
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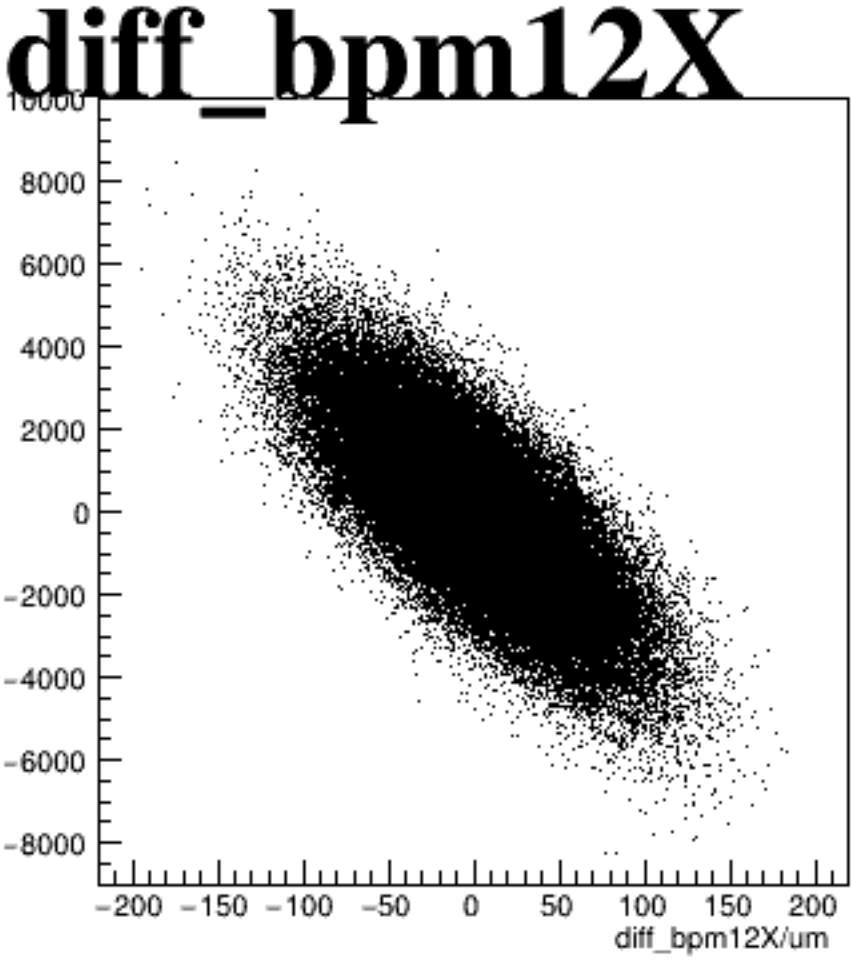
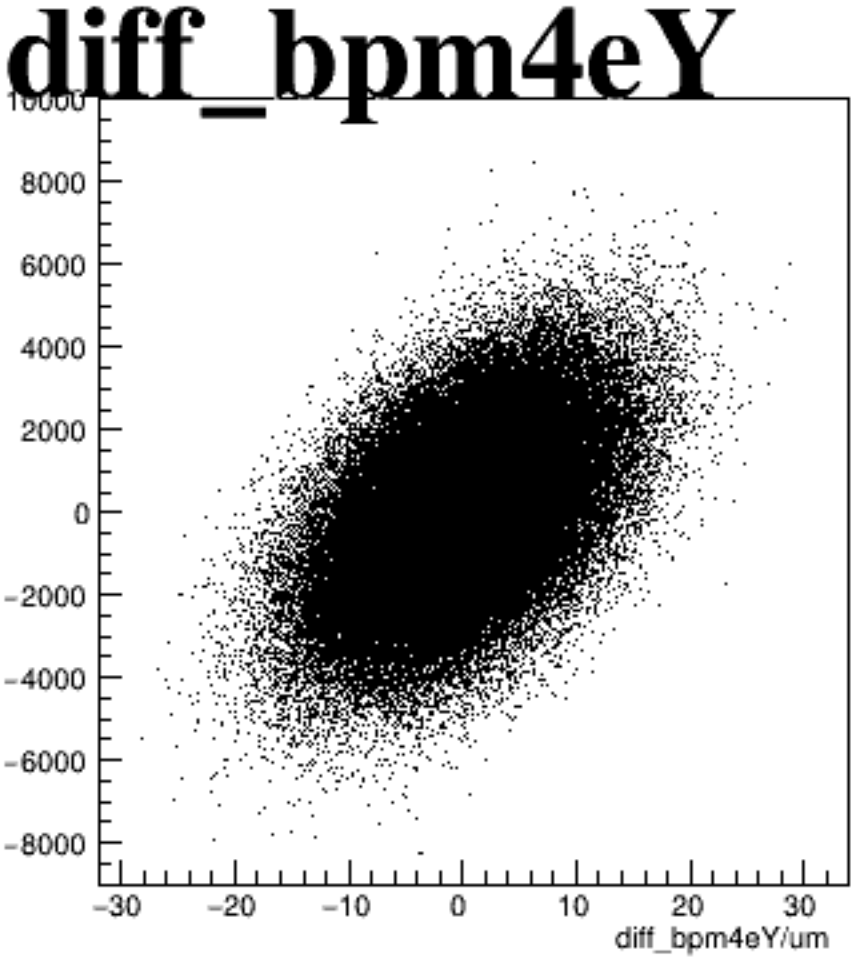
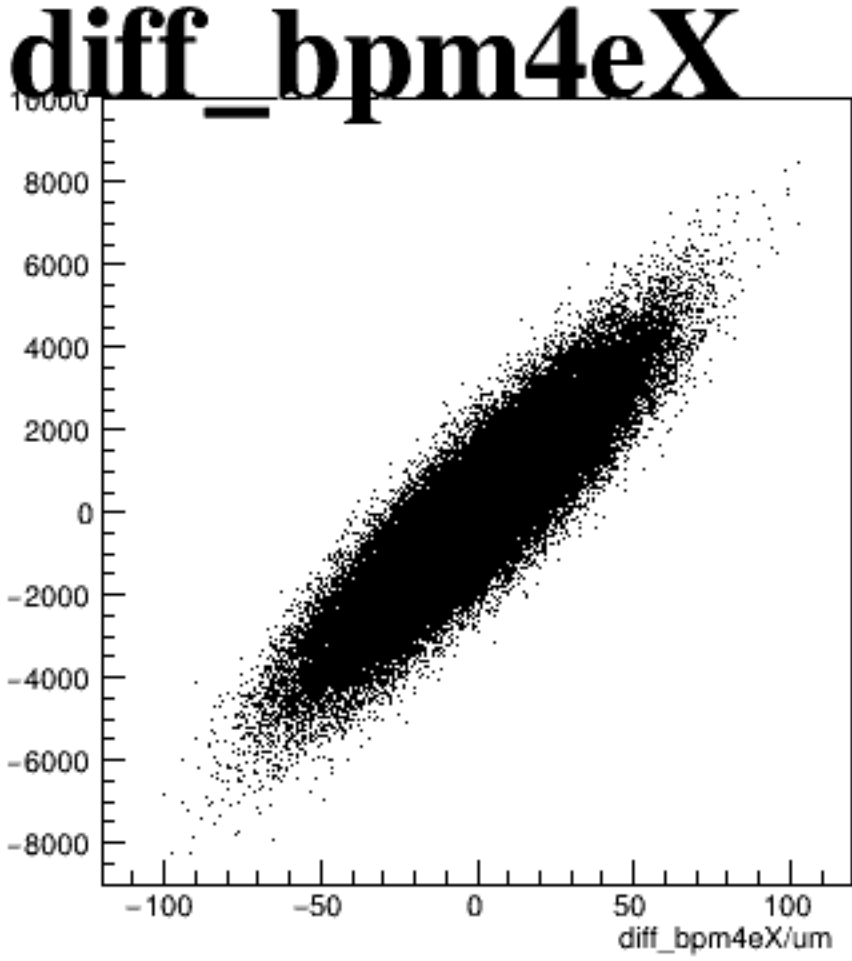
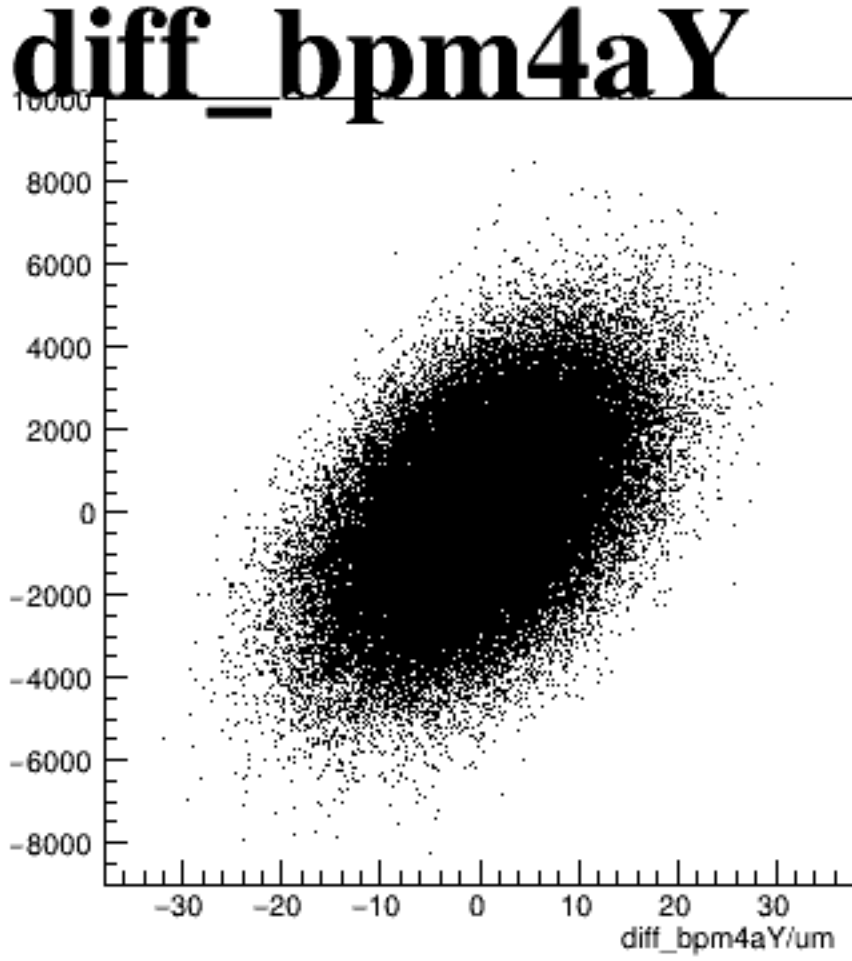
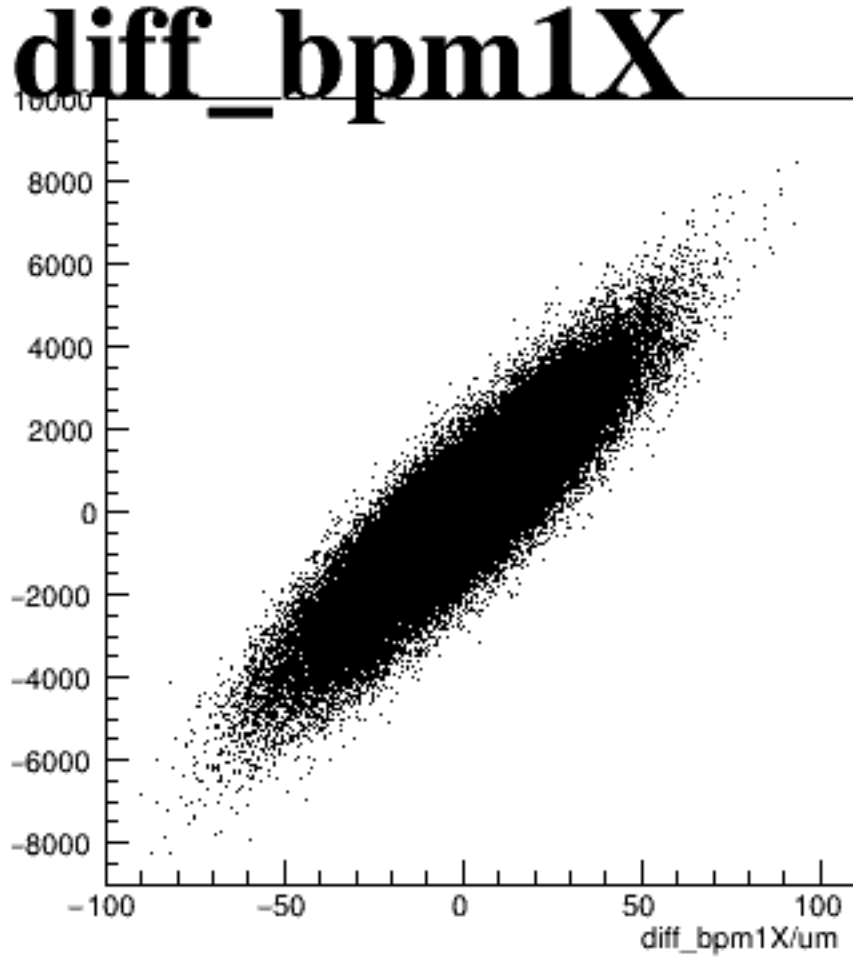
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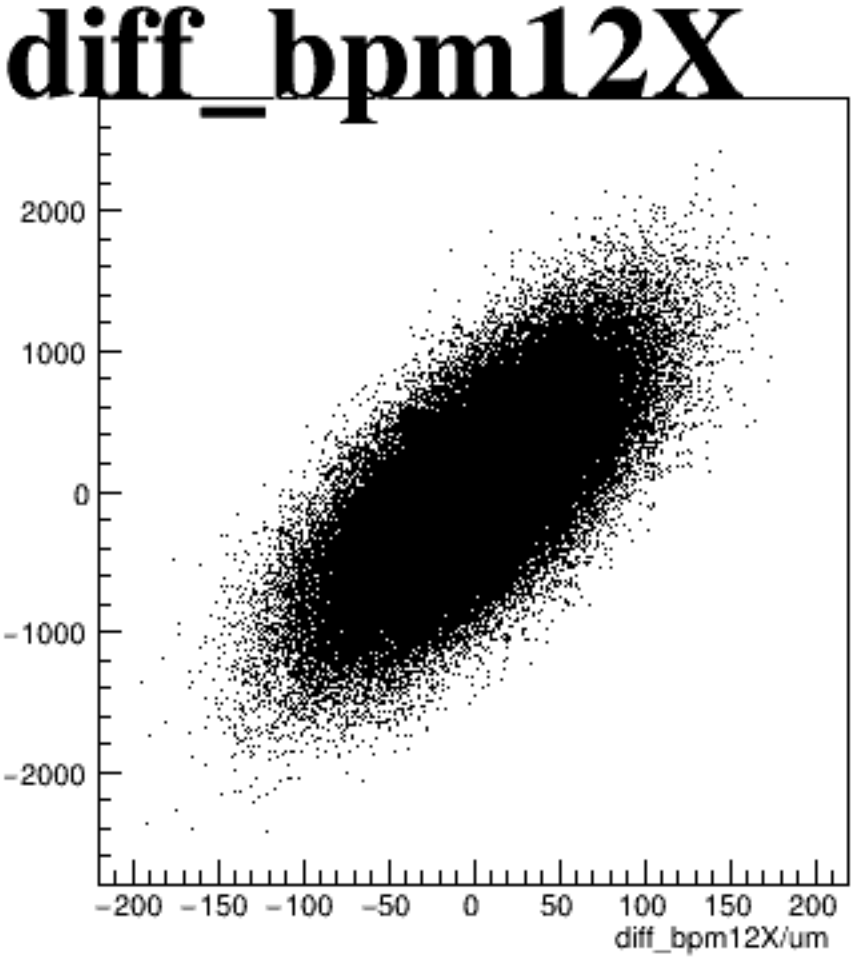
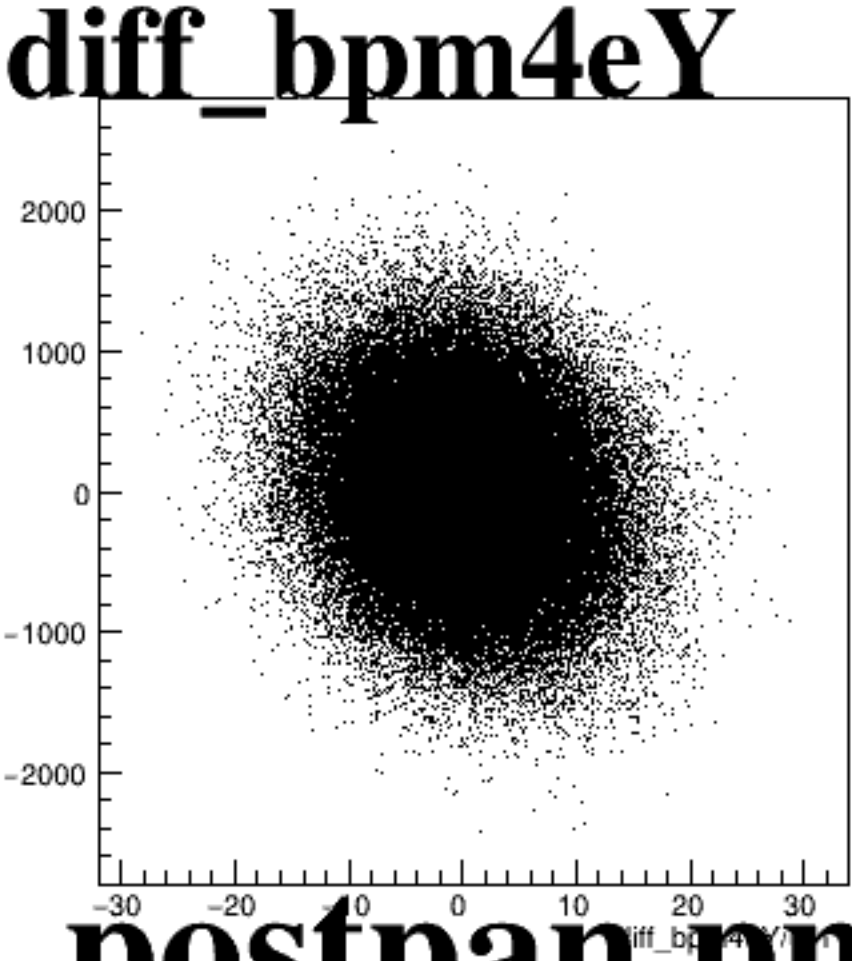
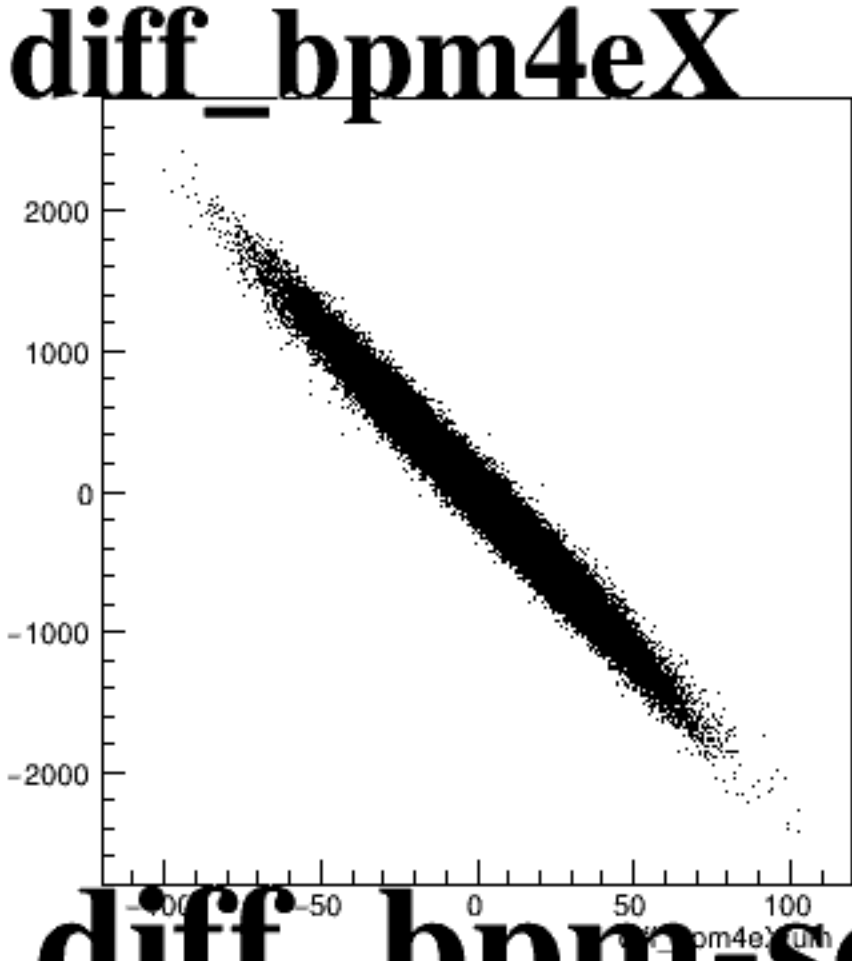
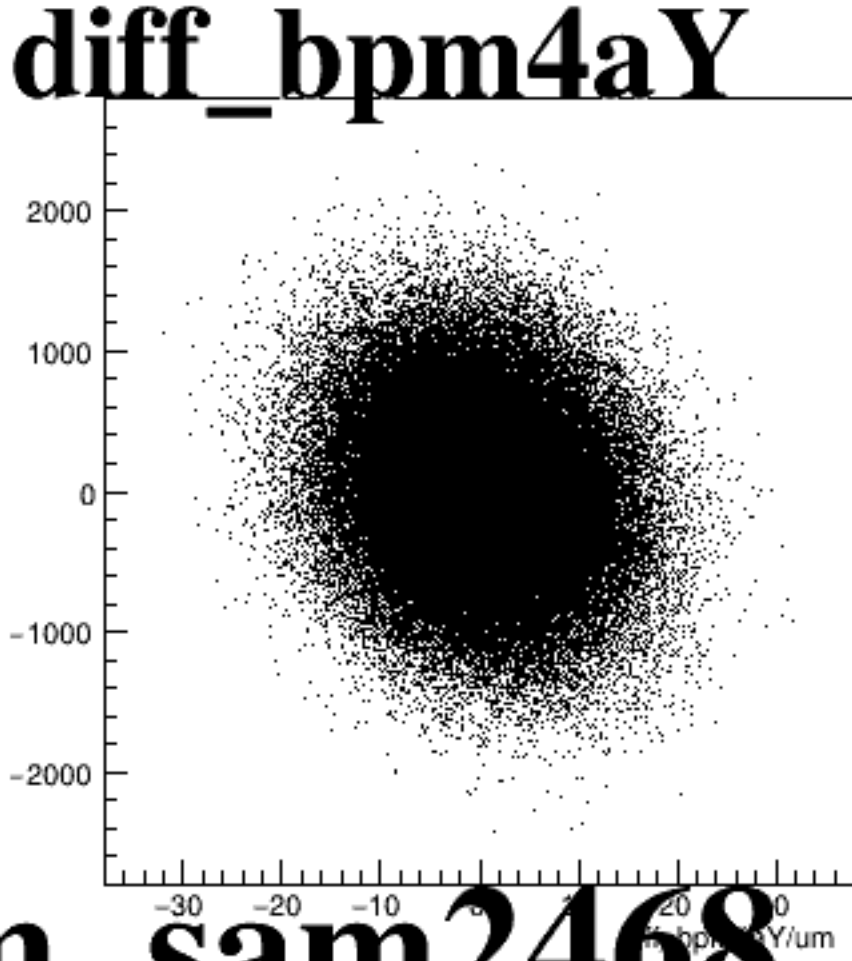
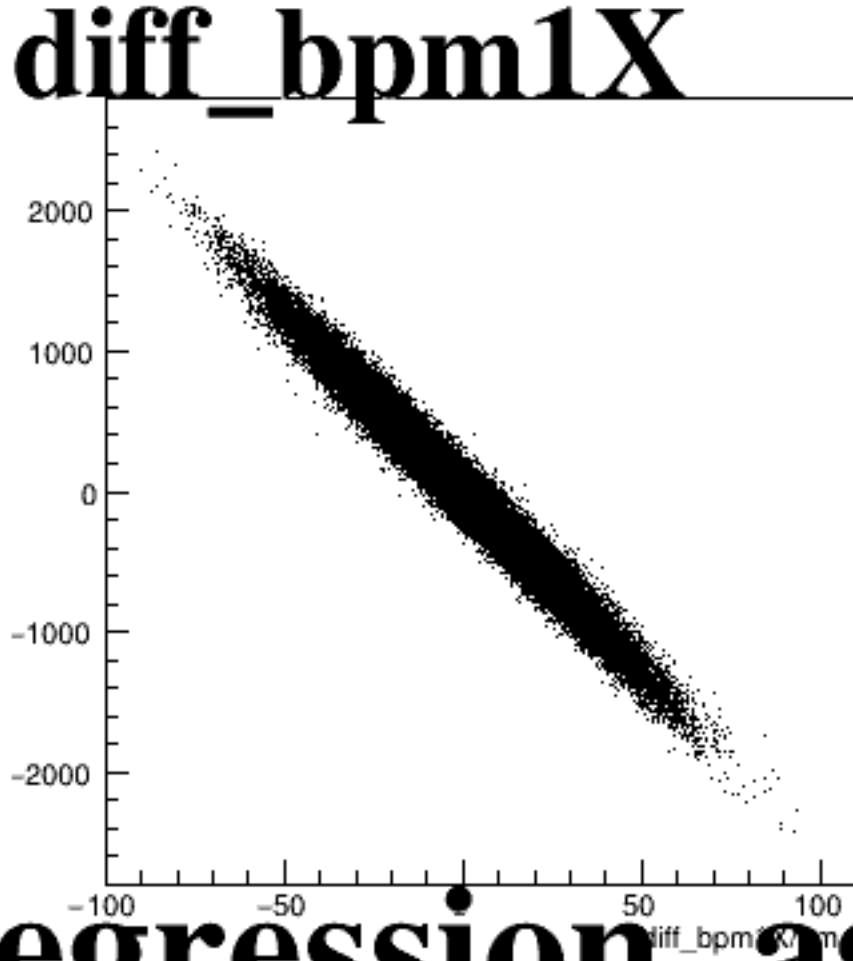
asym\_sam4



asym\_sam6



asym\_sam8



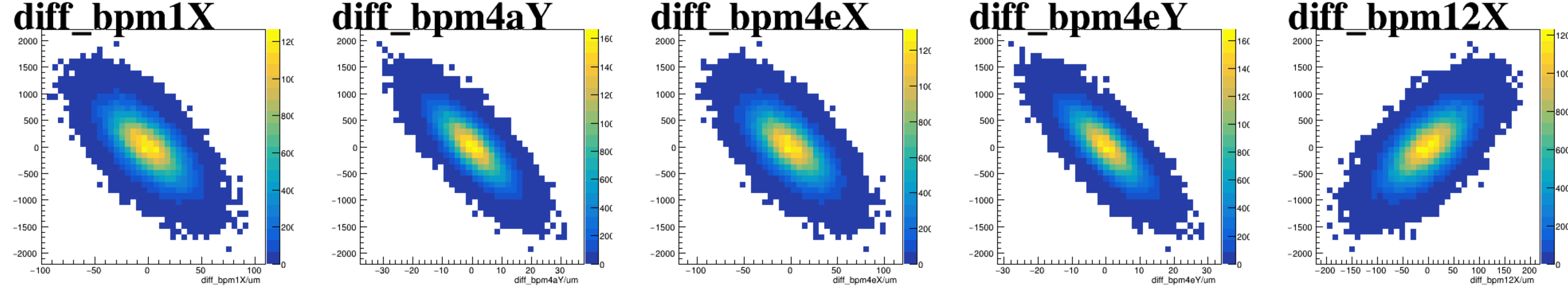
The figure consists of five scatter plots arranged horizontally, each showing the distribution of differences in BPM parameters. The plots are titled: **diff\_bpm1X**, **diff\_bpm4aY**, **diff\_bpm4eX**, **diff\_bpm4eY**, and **diff\_bpm12X**. Each plot has a y-axis ranging from -3000 to 2000 and an x-axis ranging from -100 to 100. The data points are densely clustered around the origin (0,0), indicating that the differences are small and centered around the origin.

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

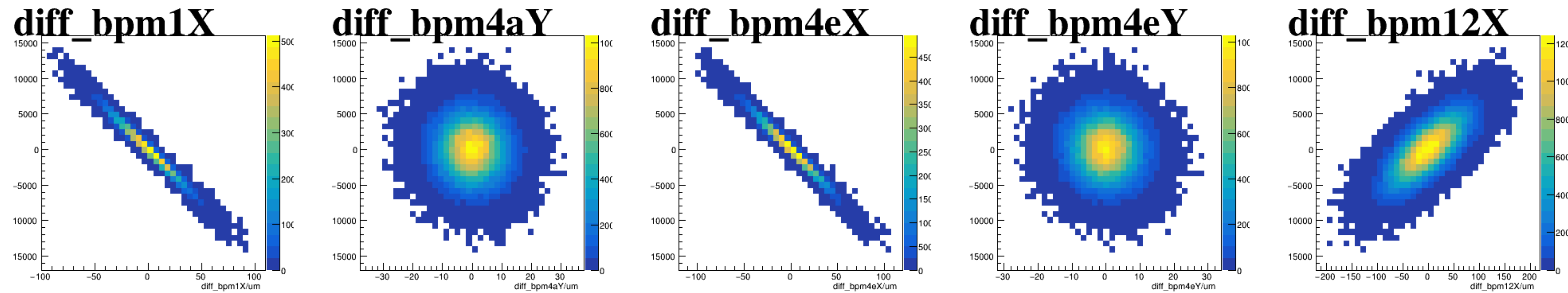
- diff\_bpm1X**: x-axis ranges from -100 to 100.
- diff\_bpm4aY**: x-axis ranges from -30 to 30.
- diff\_bpm4eX**: x-axis ranges from -100 to 100.
- diff\_bpm4eY**: x-axis ranges from -30 to 30.
- diff\_bpm12X**: x-axis ranges from -200 to 200.

Each plot shows a dense, roughly elliptical cloud of points centered around the origin (0,0) on the y-axis, indicating the distribution of that specific diffraction order.

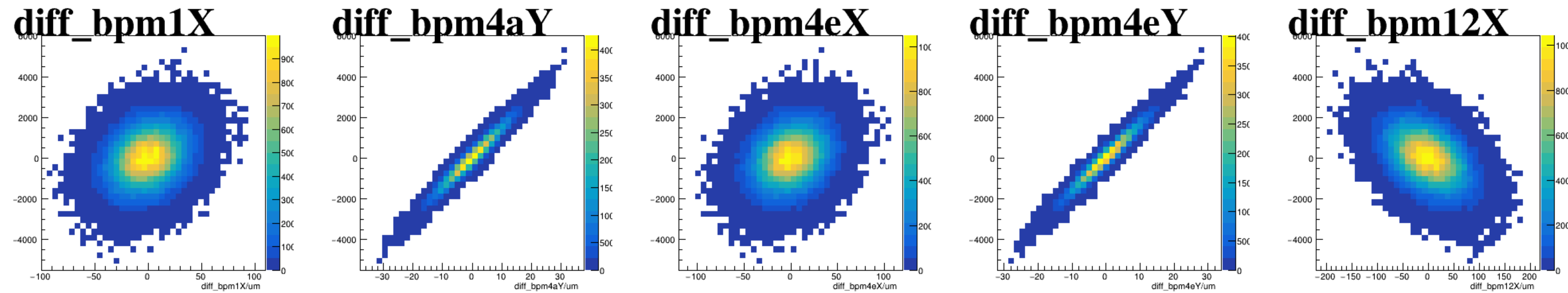
asym\_sam1



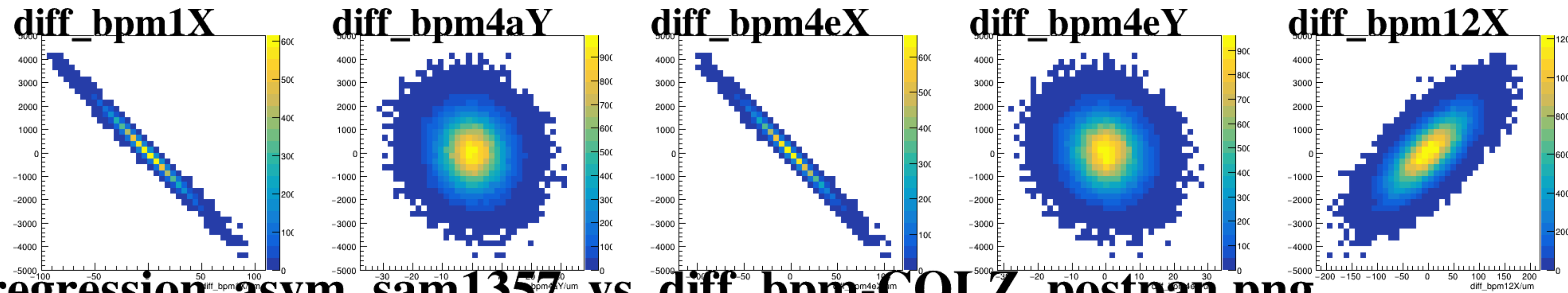
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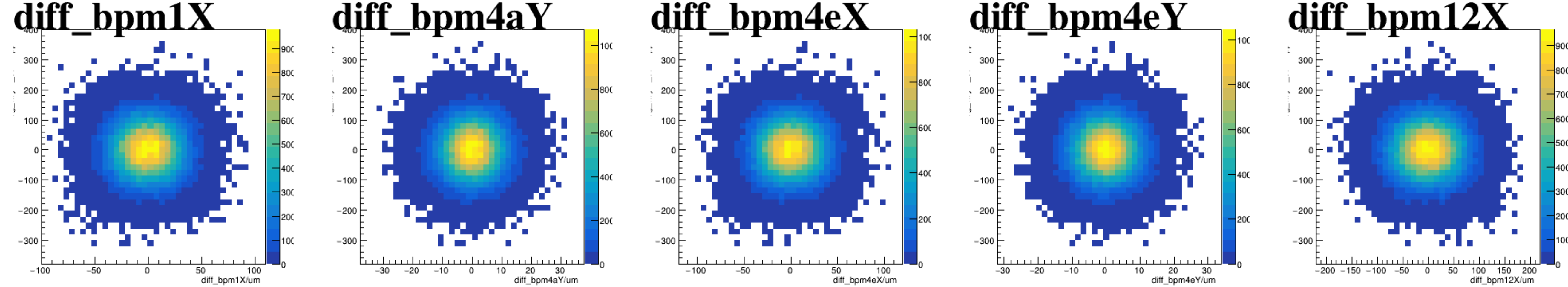
asym\_sam5



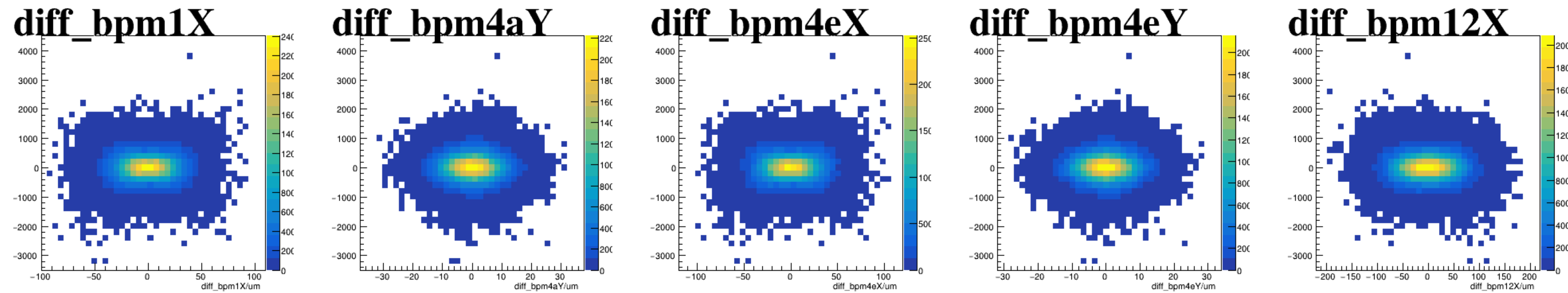
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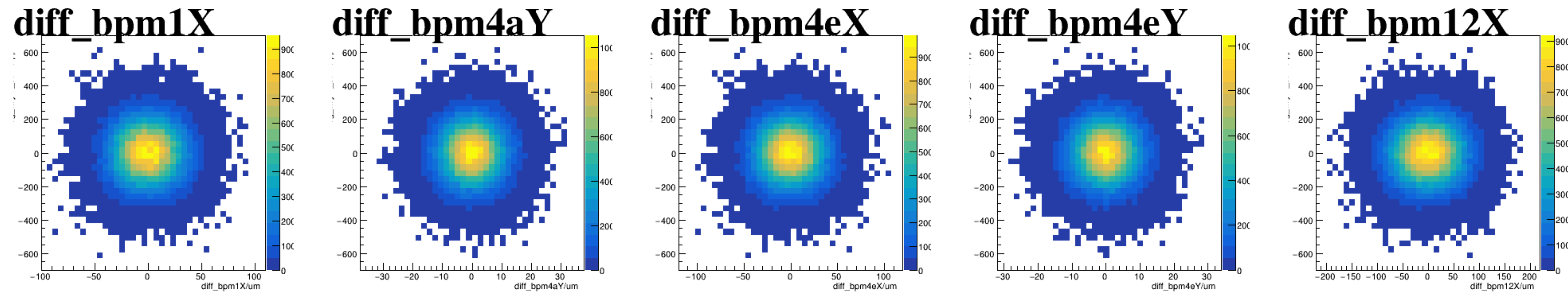
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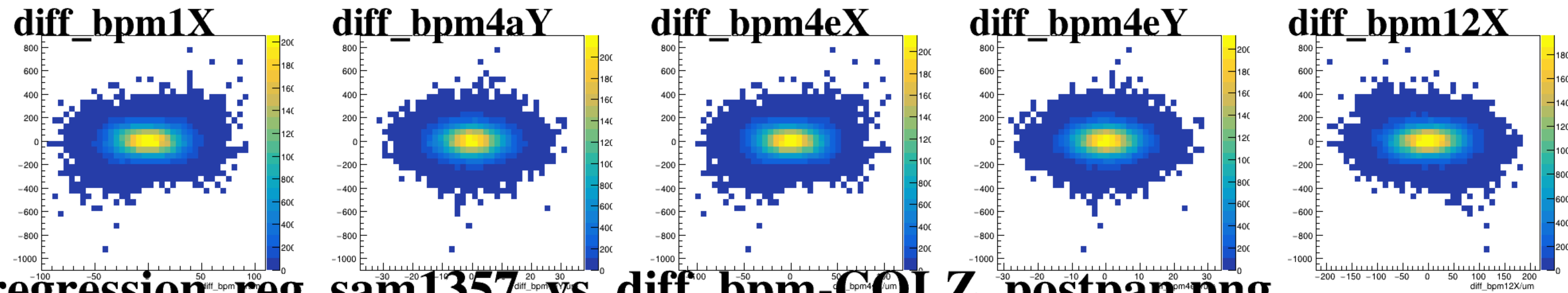
reg\_asym\_sam3



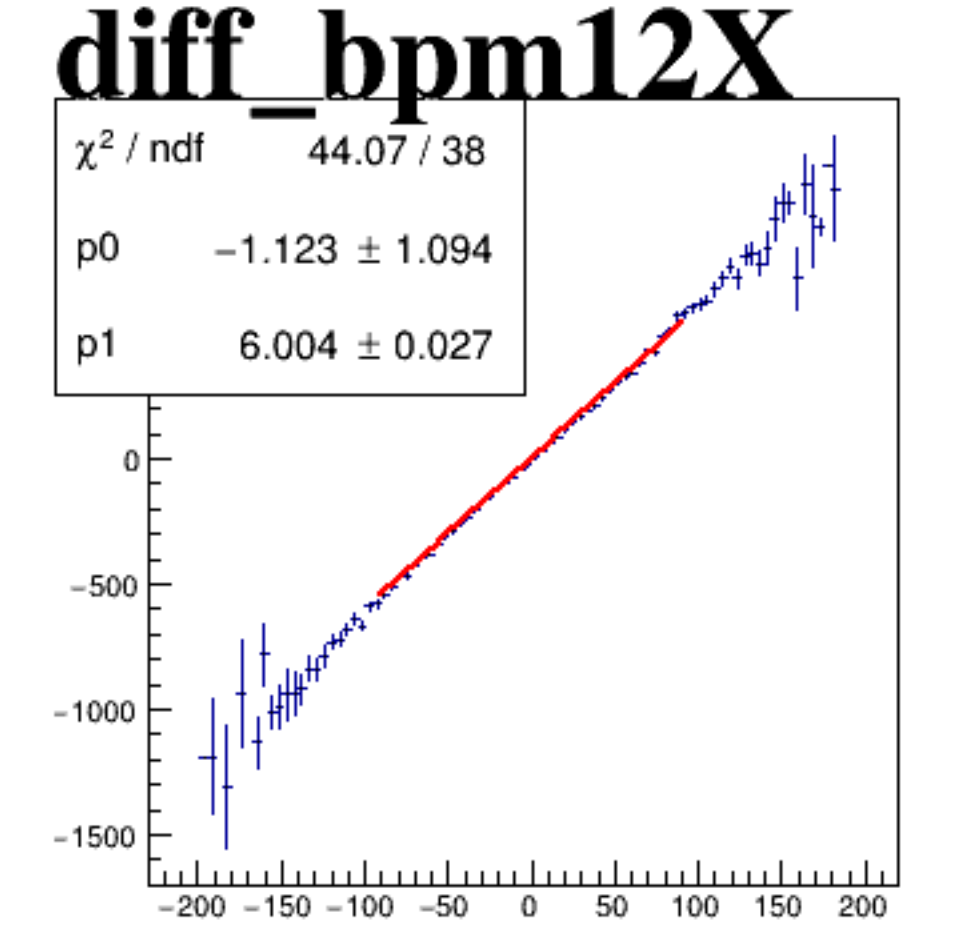
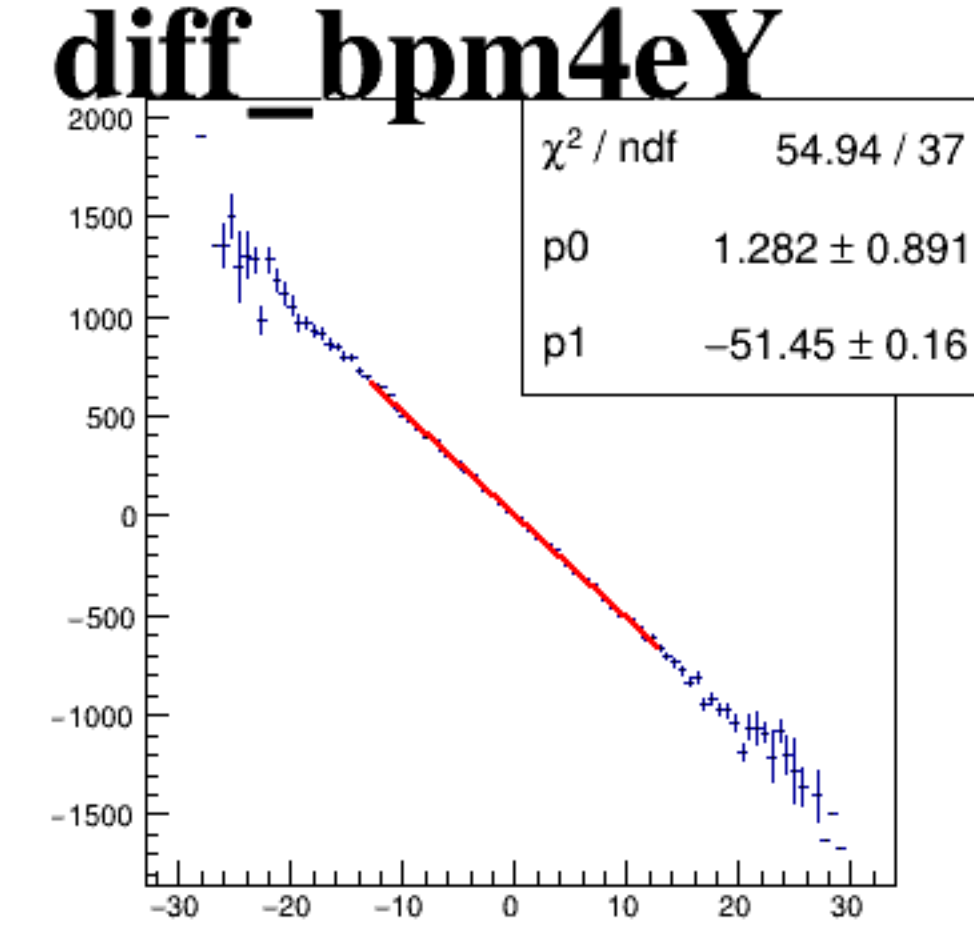
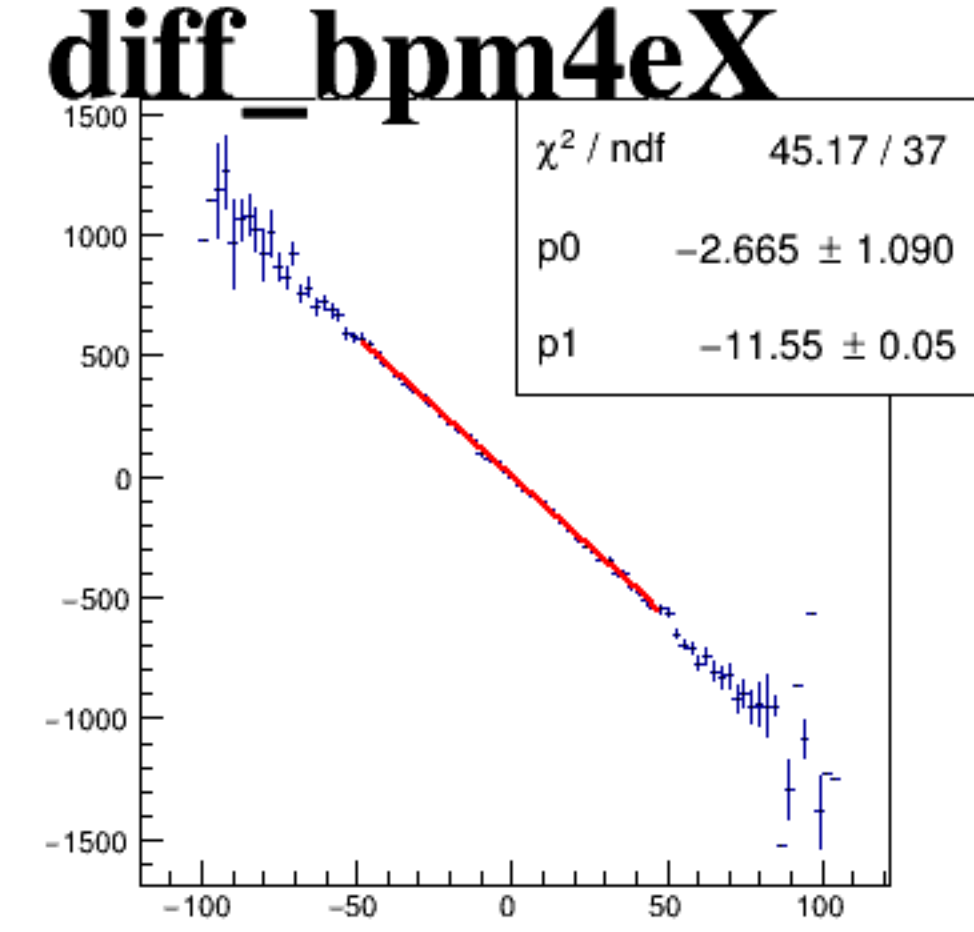
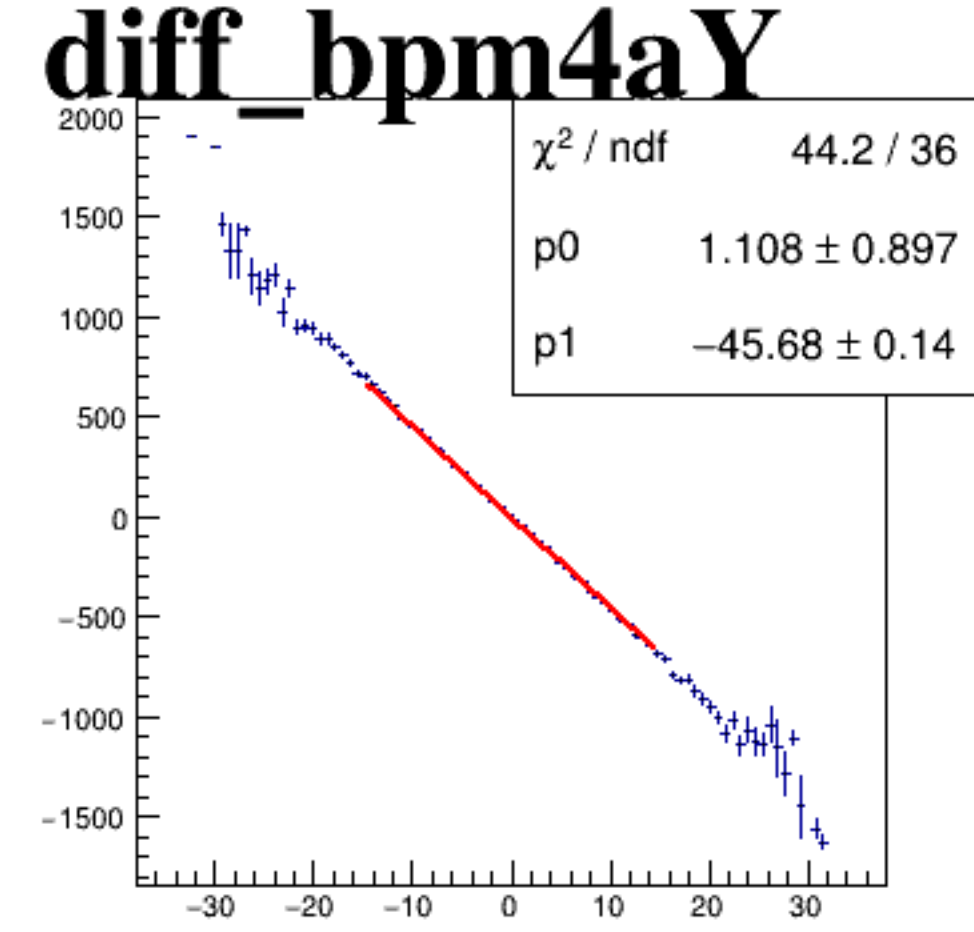
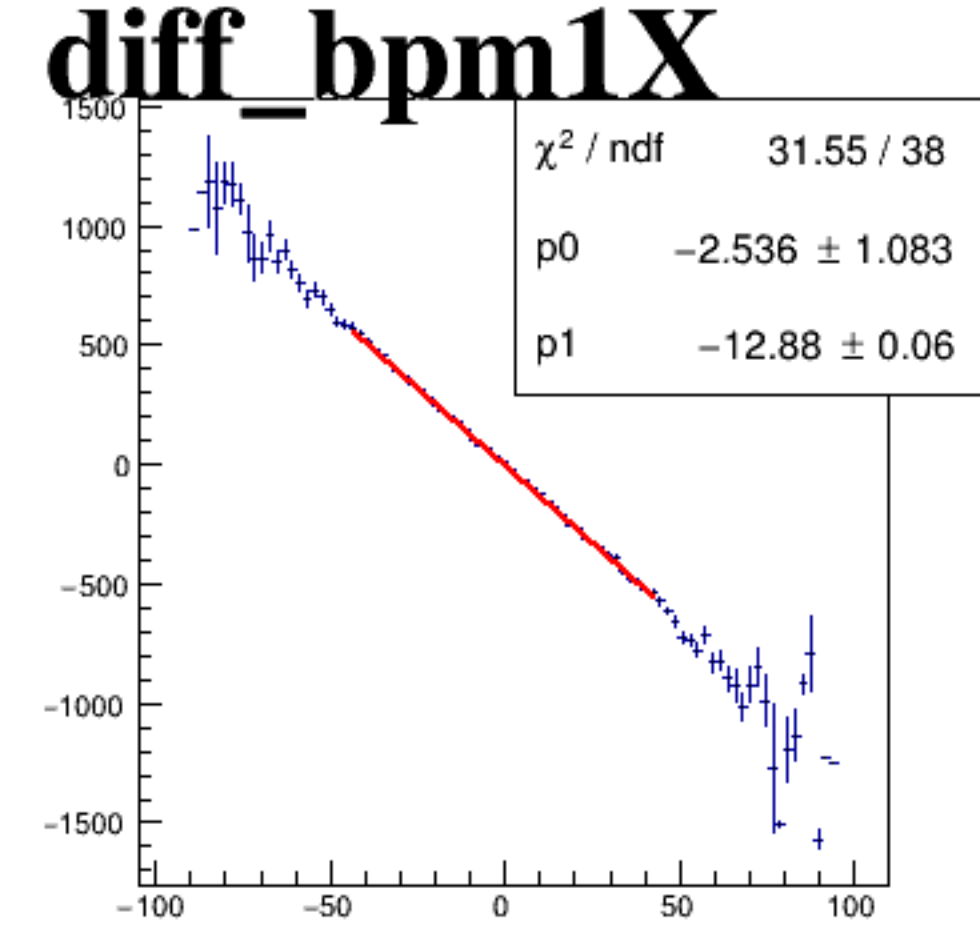
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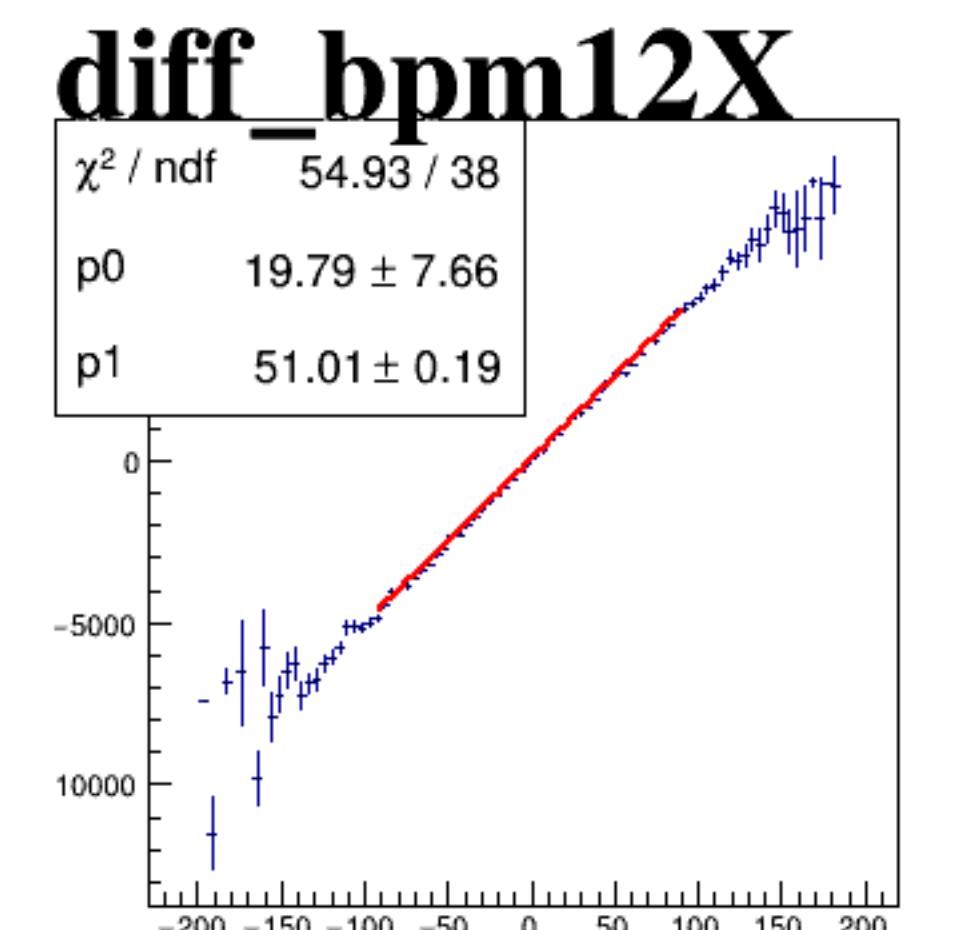
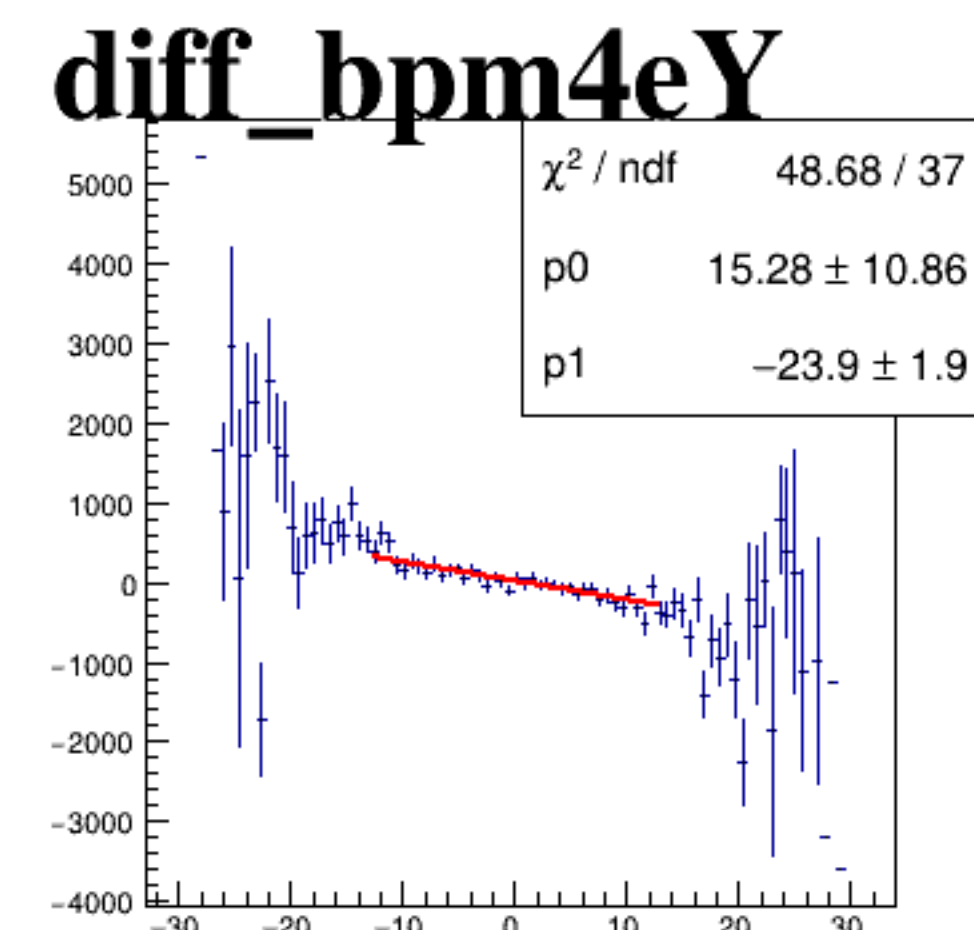
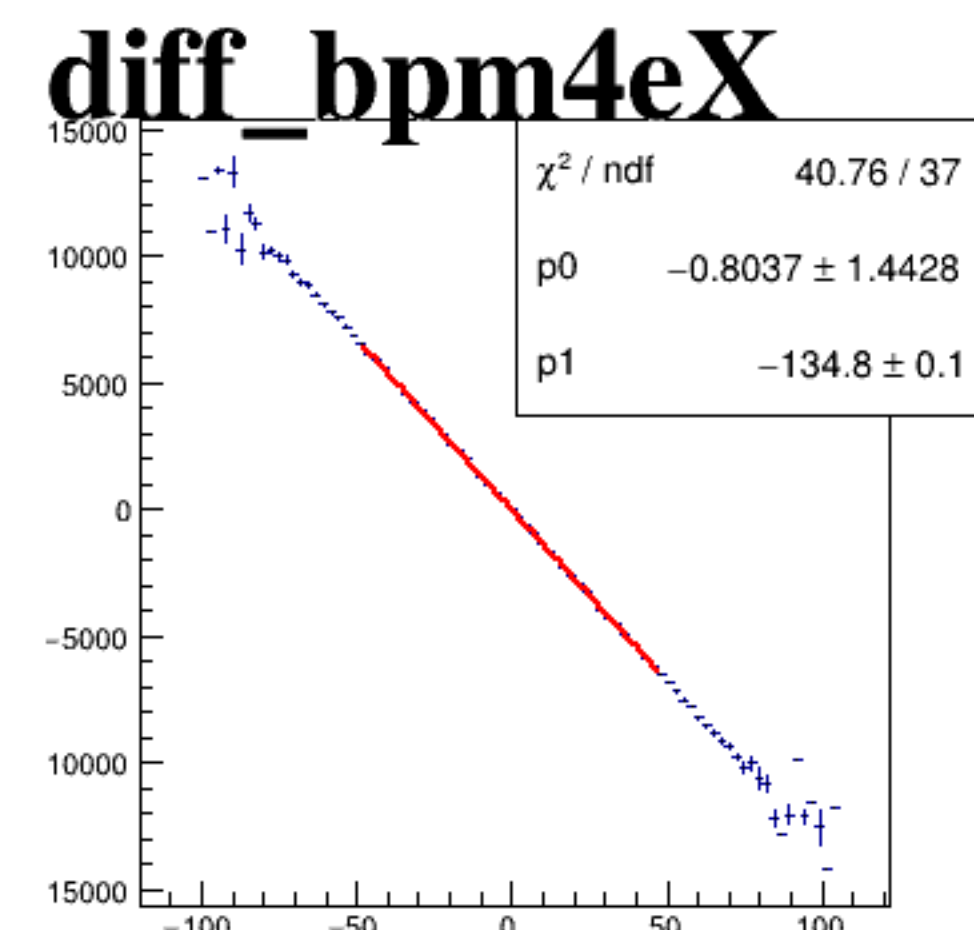
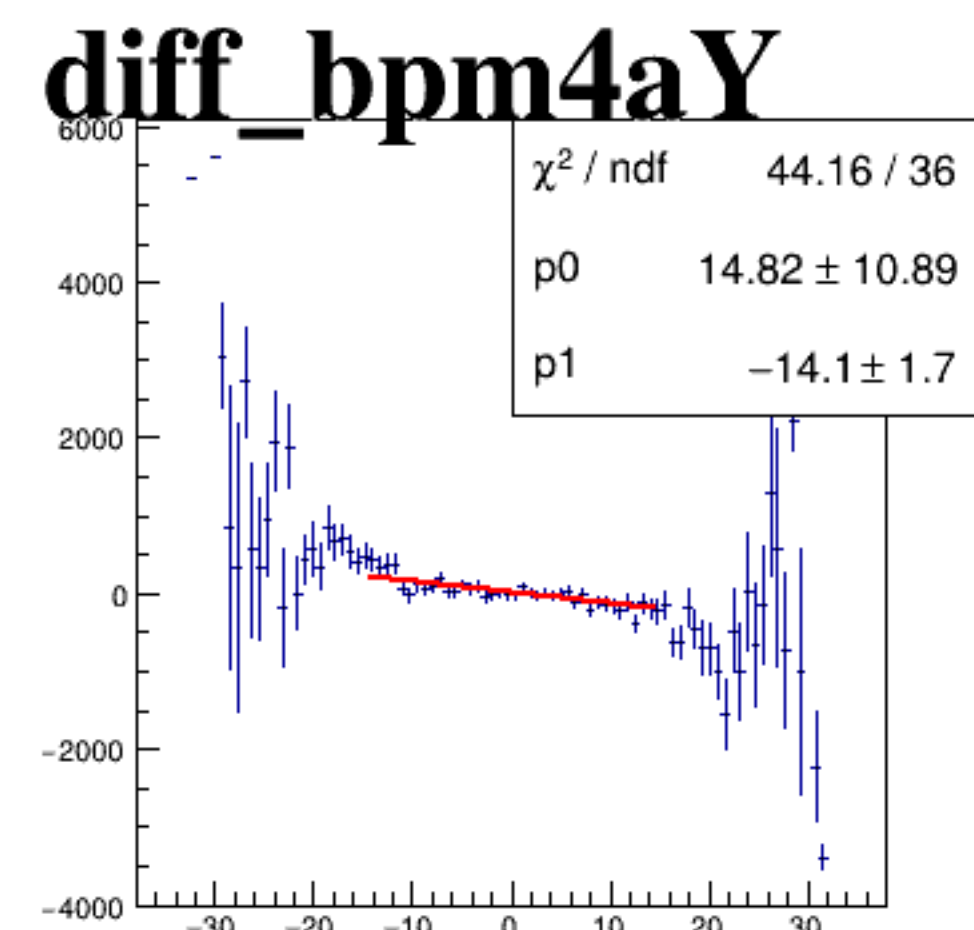
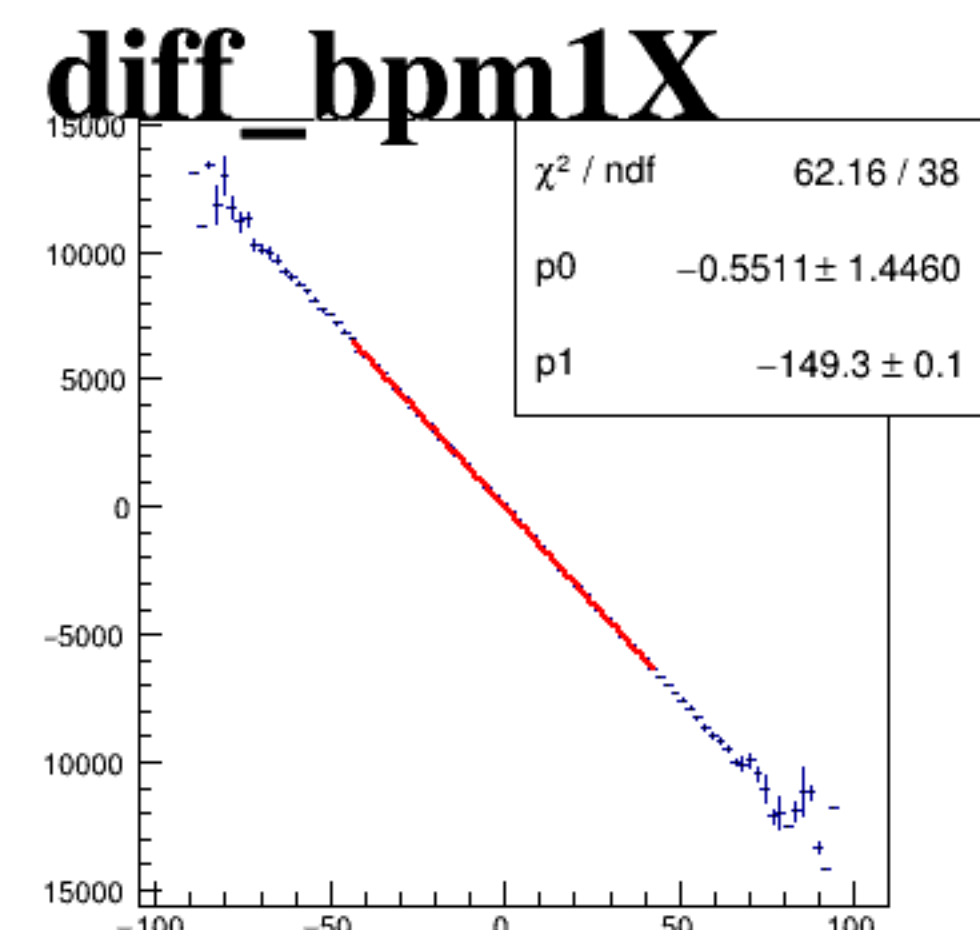
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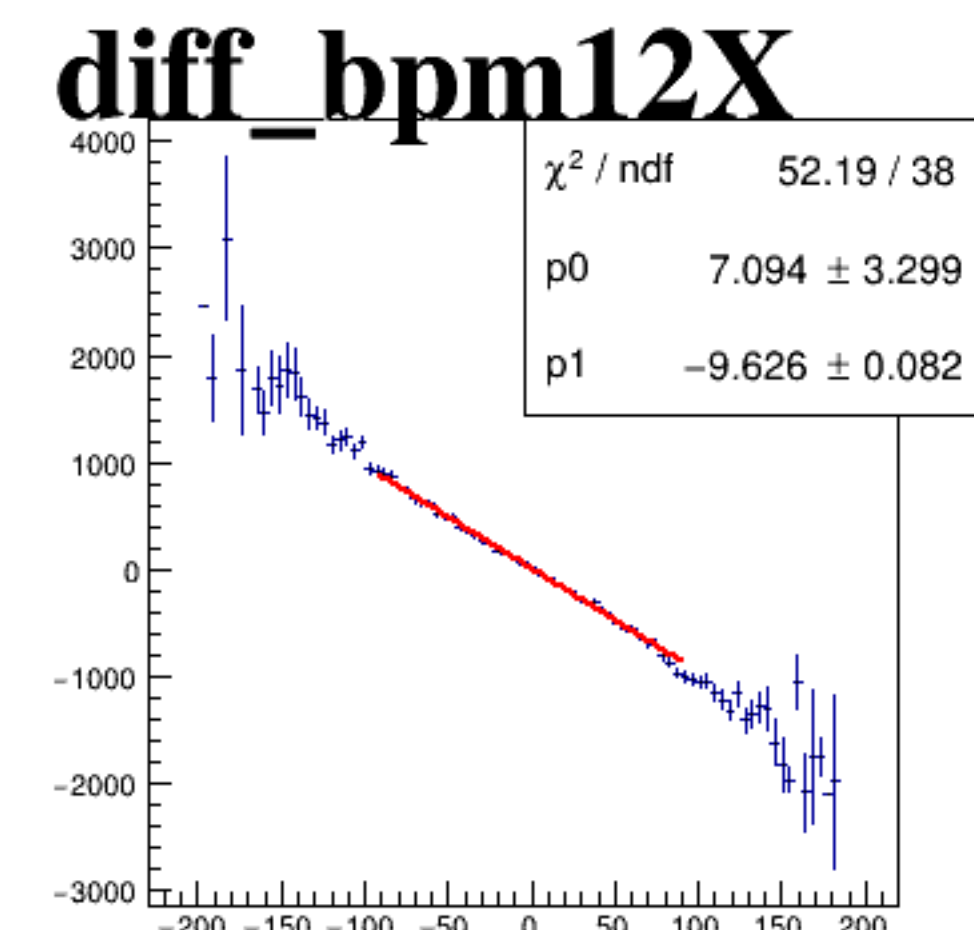
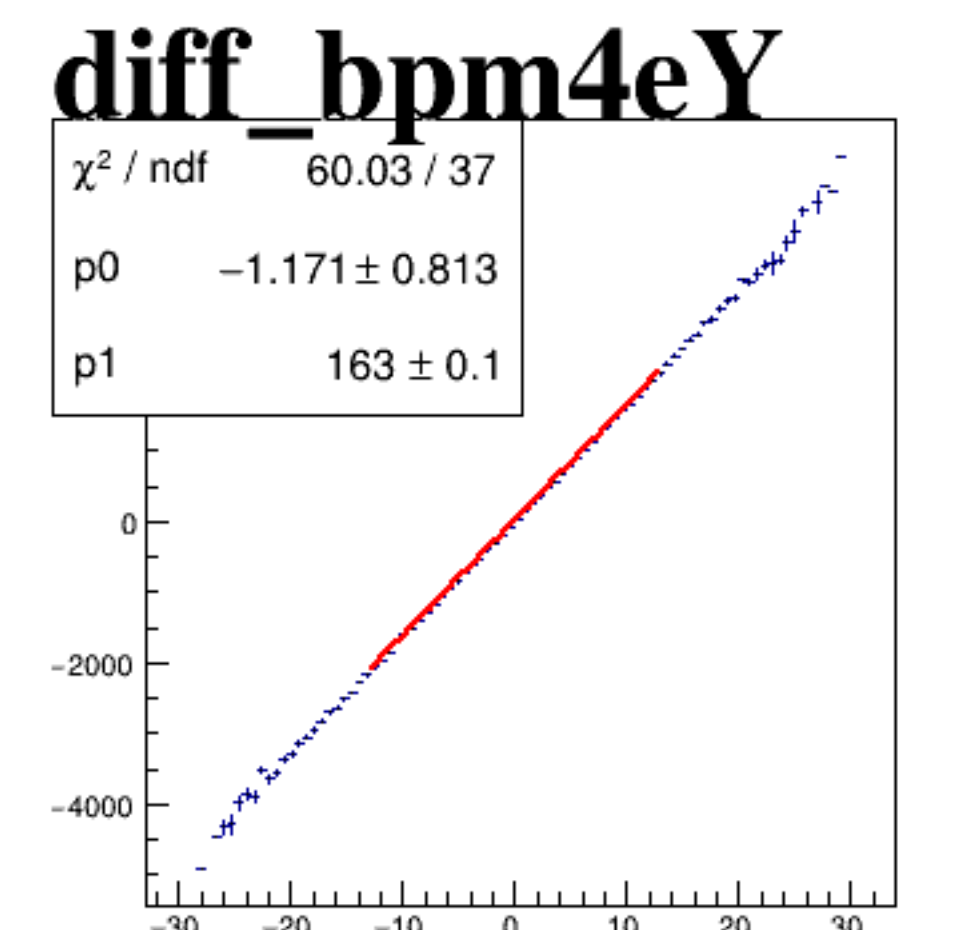
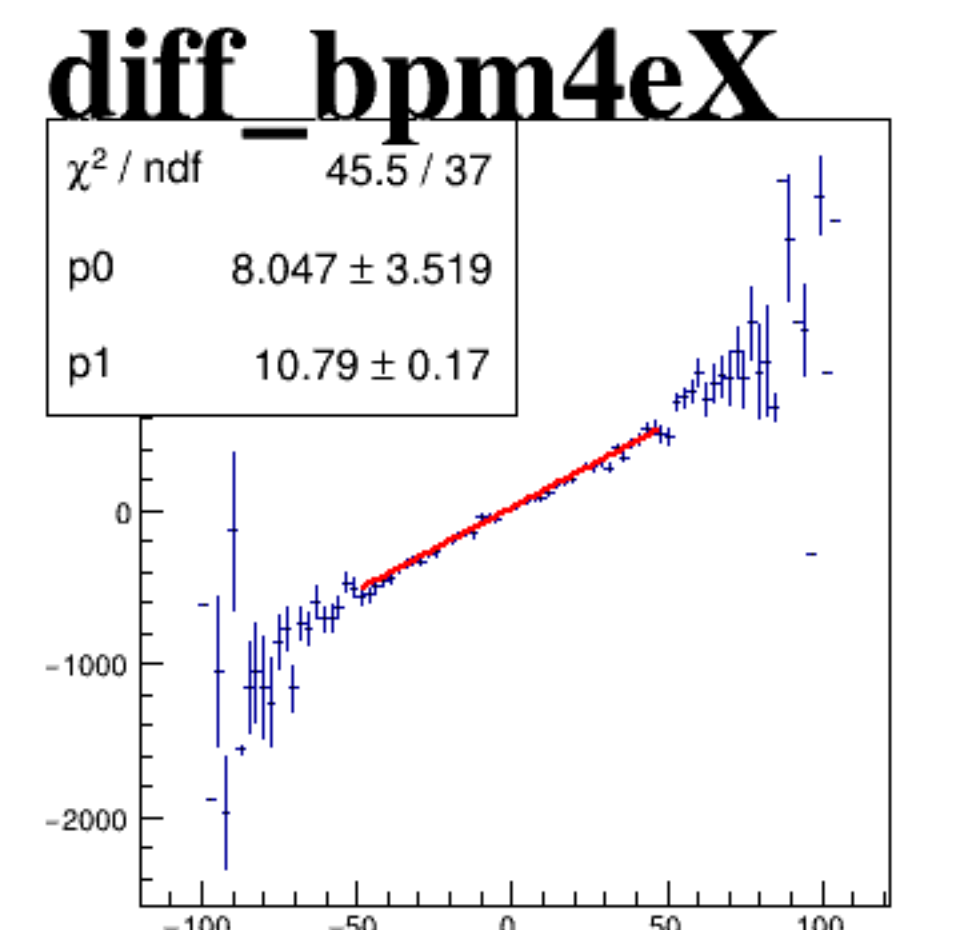
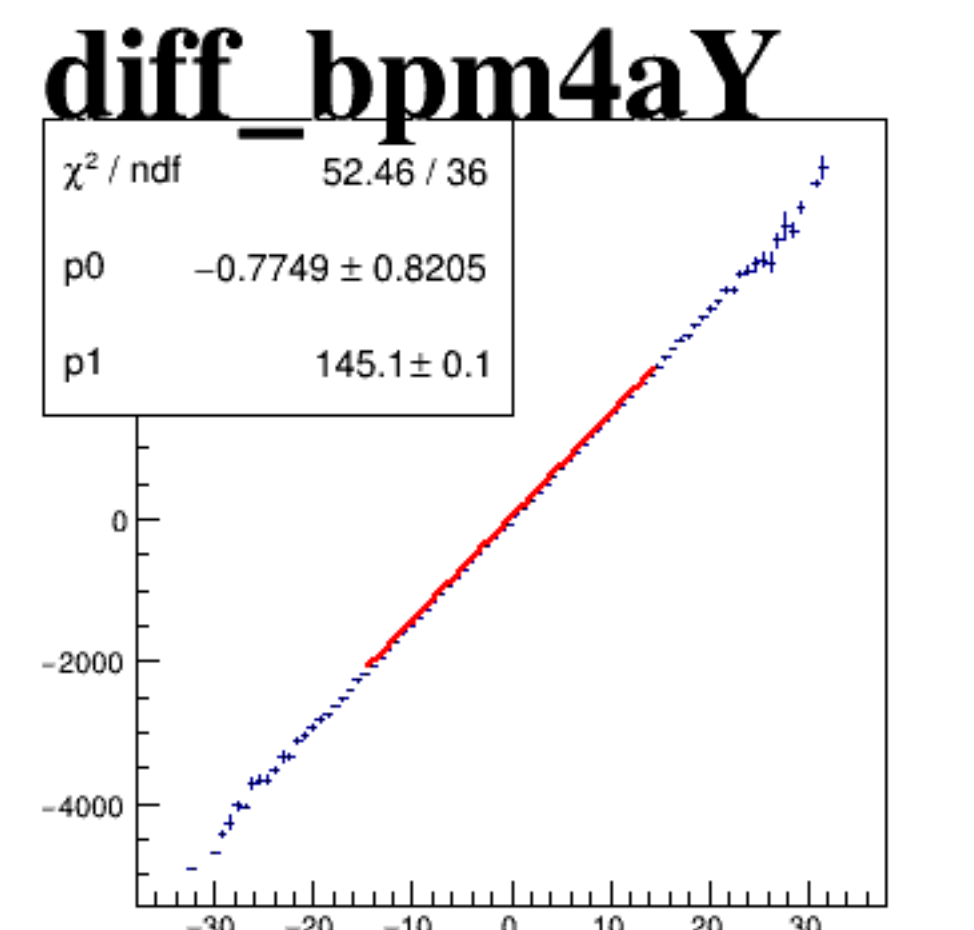
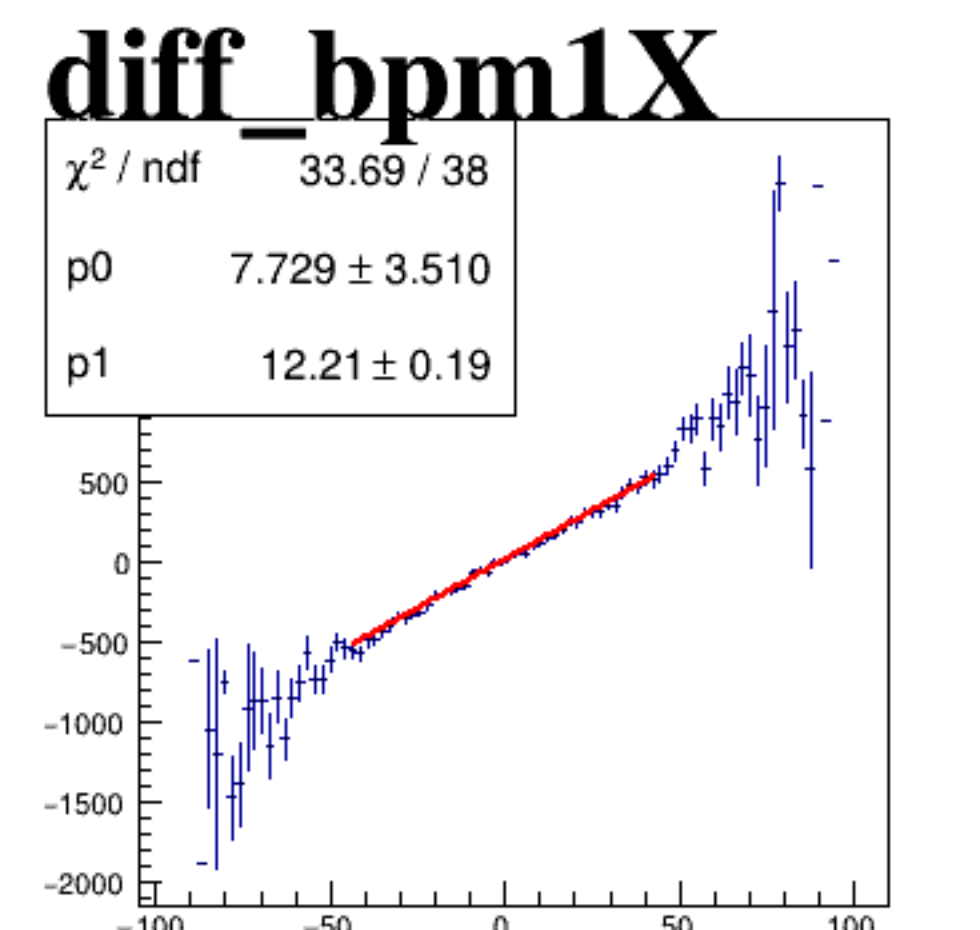
asym\_sam1



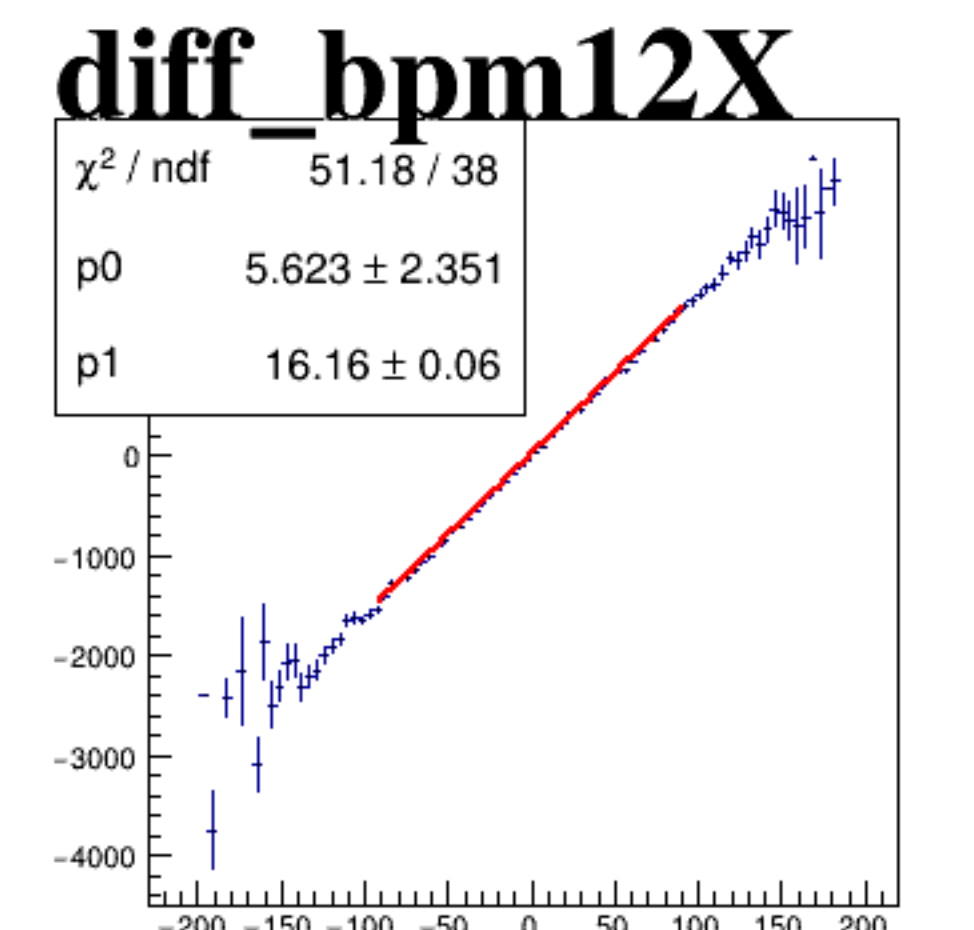
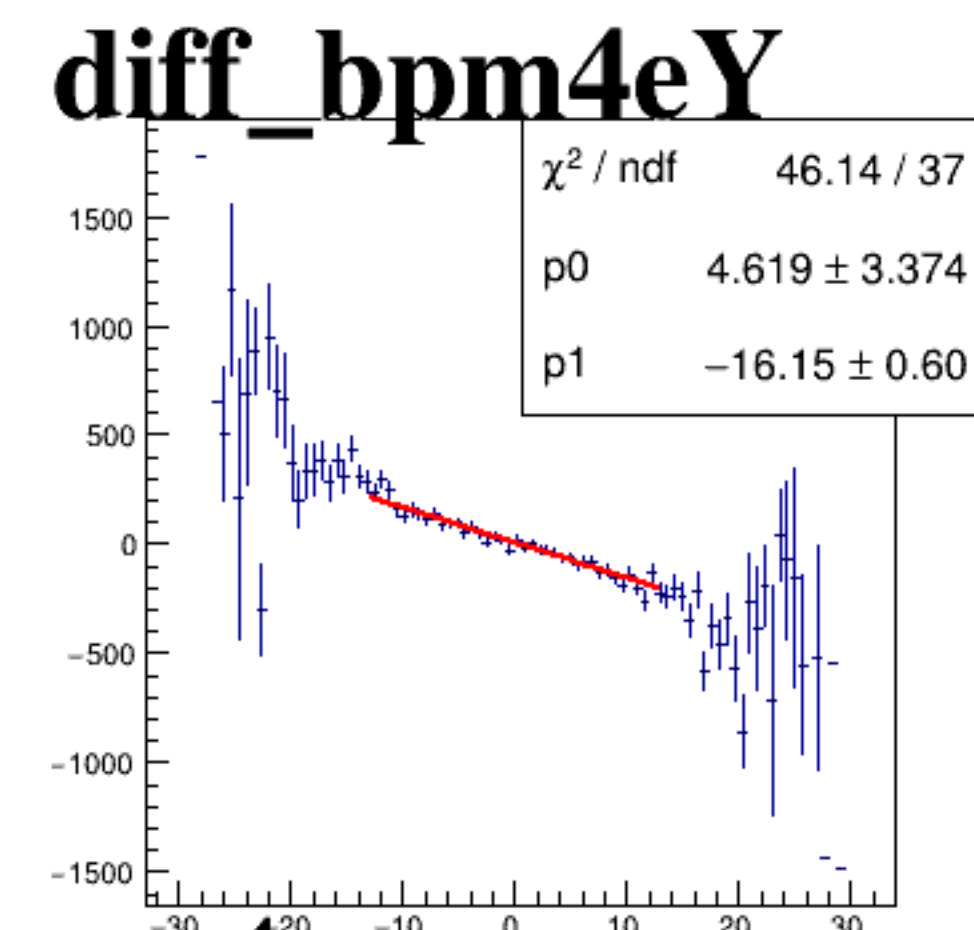
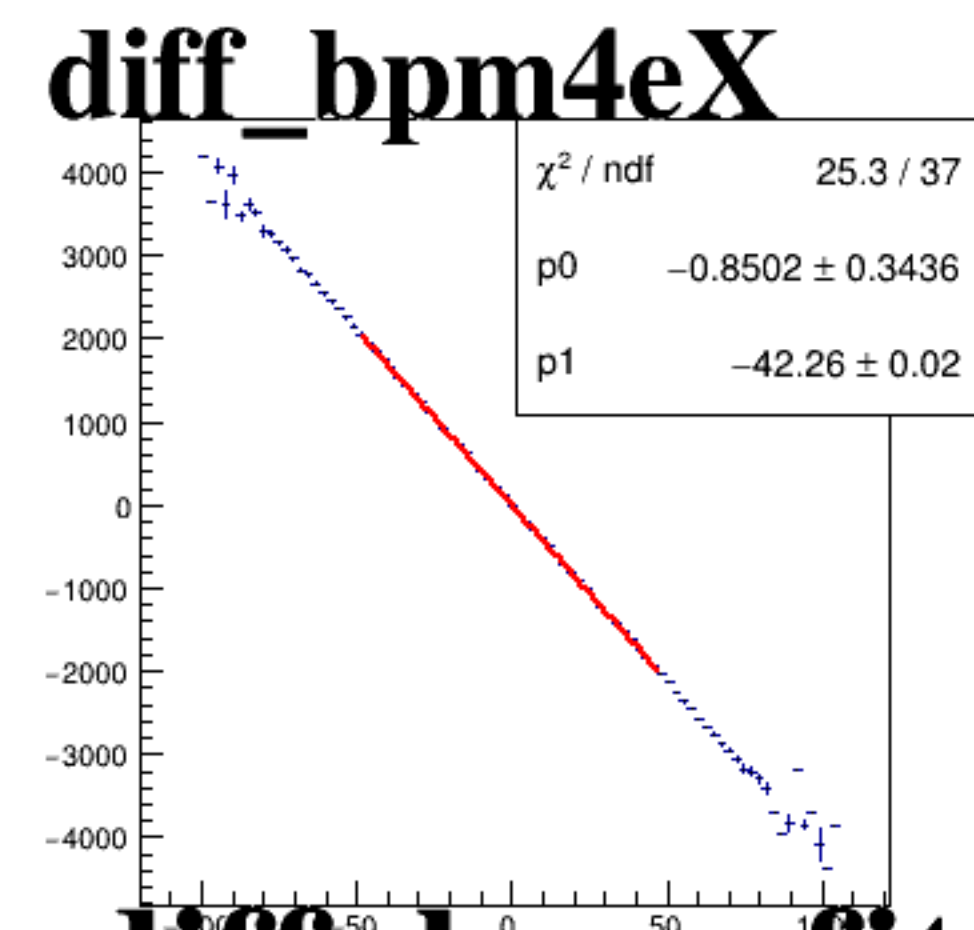
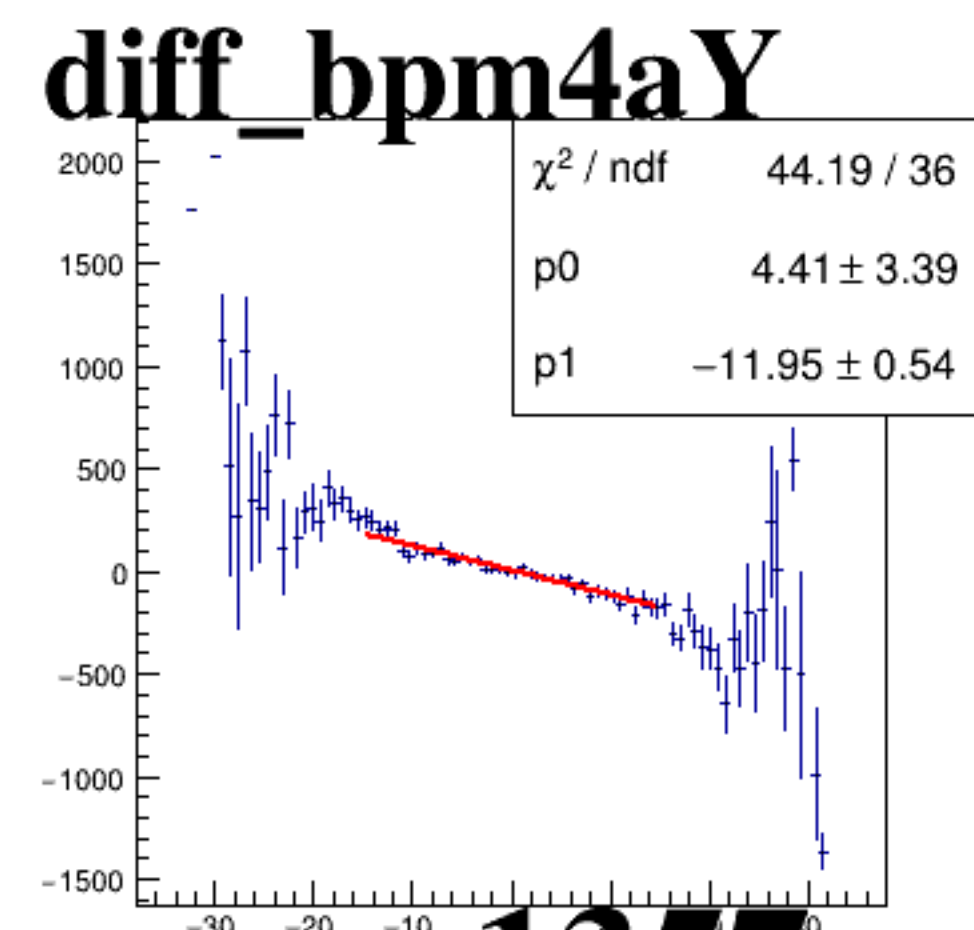
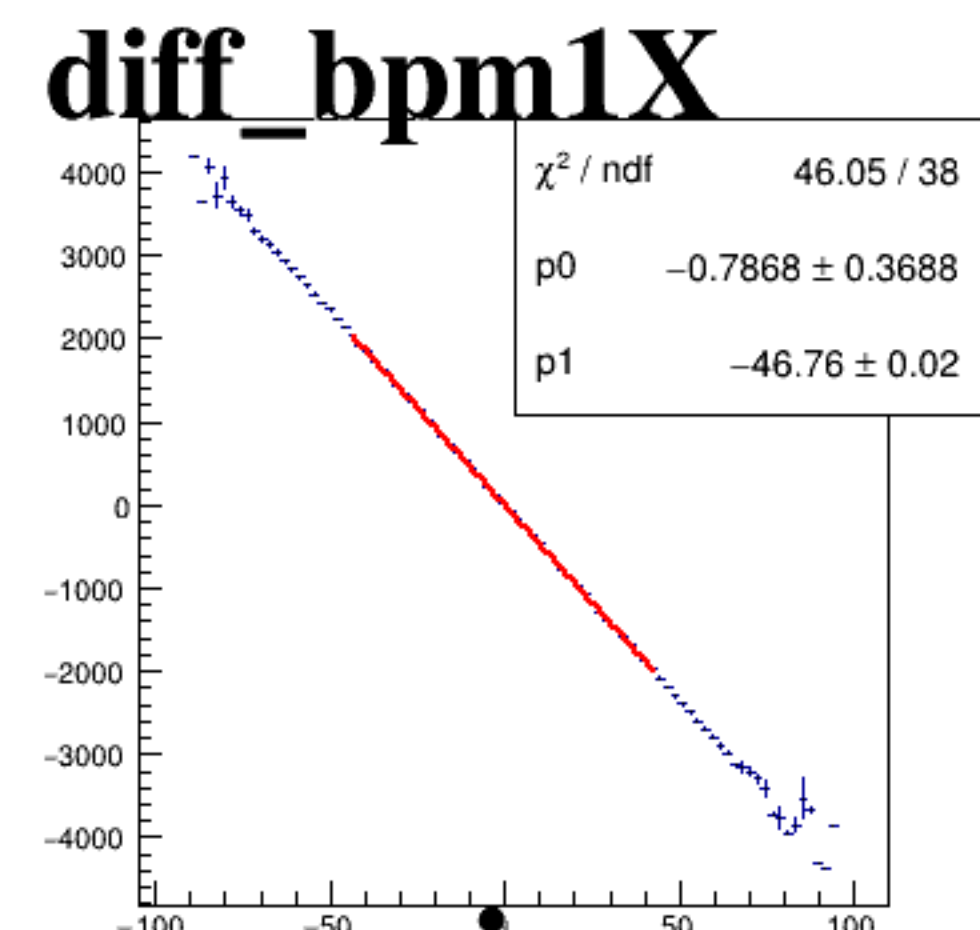
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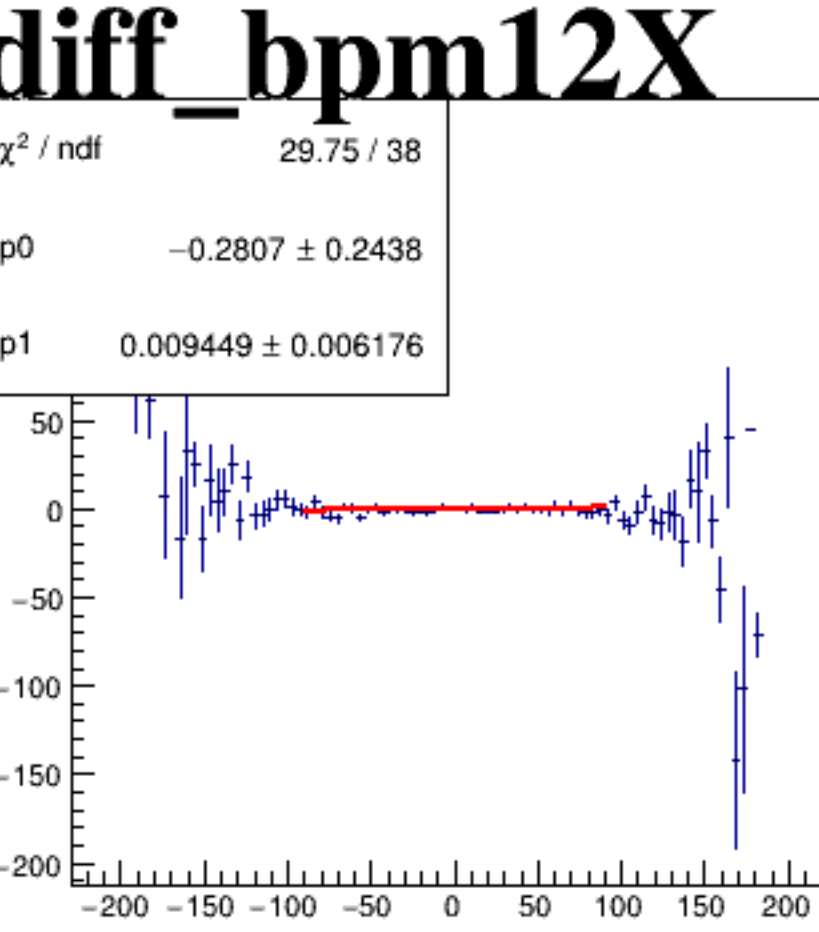
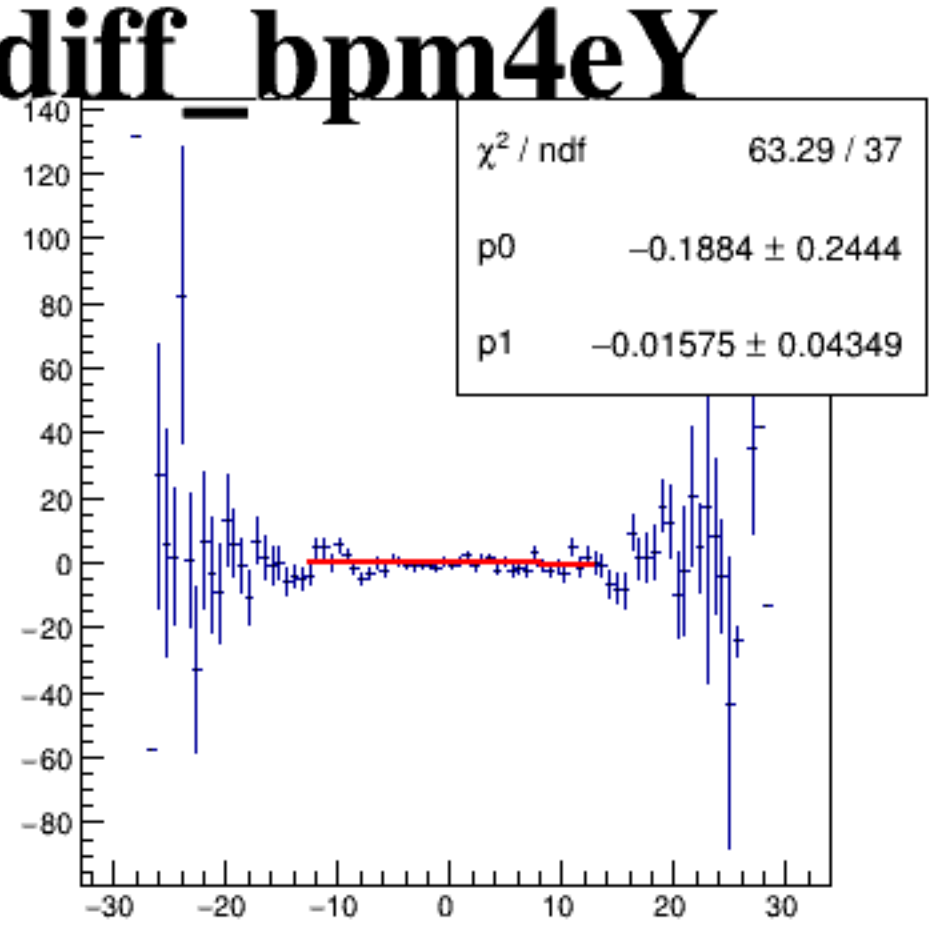
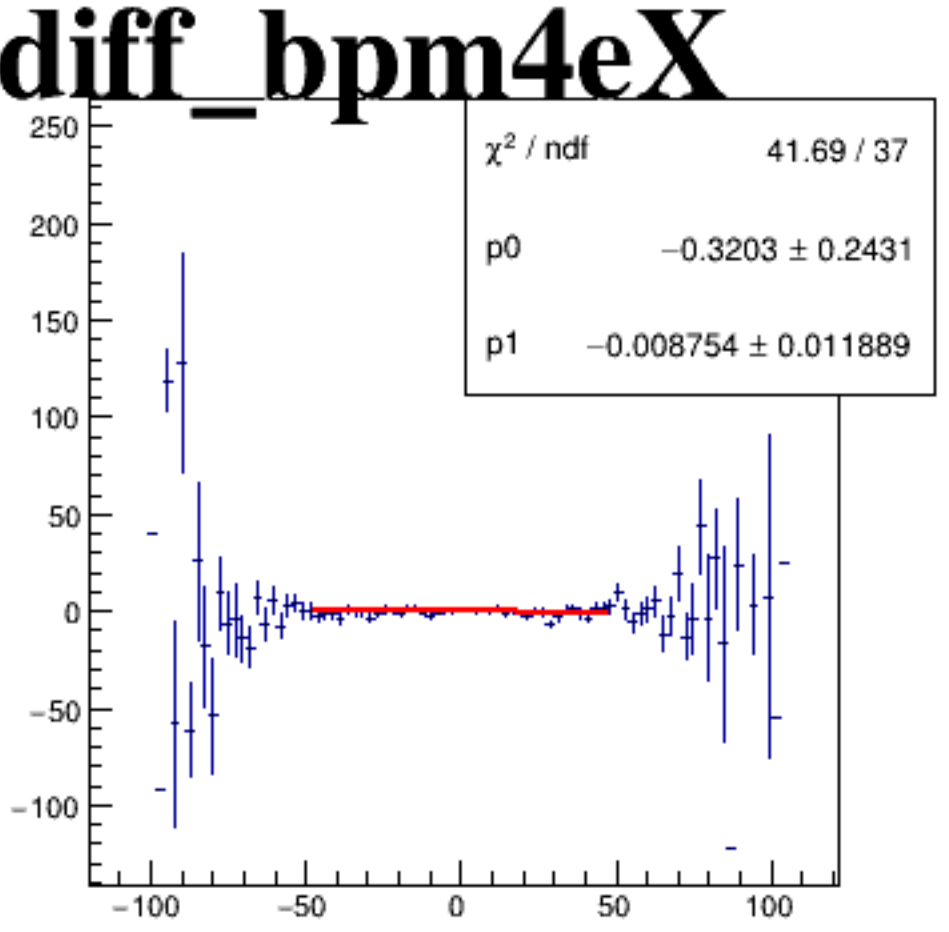
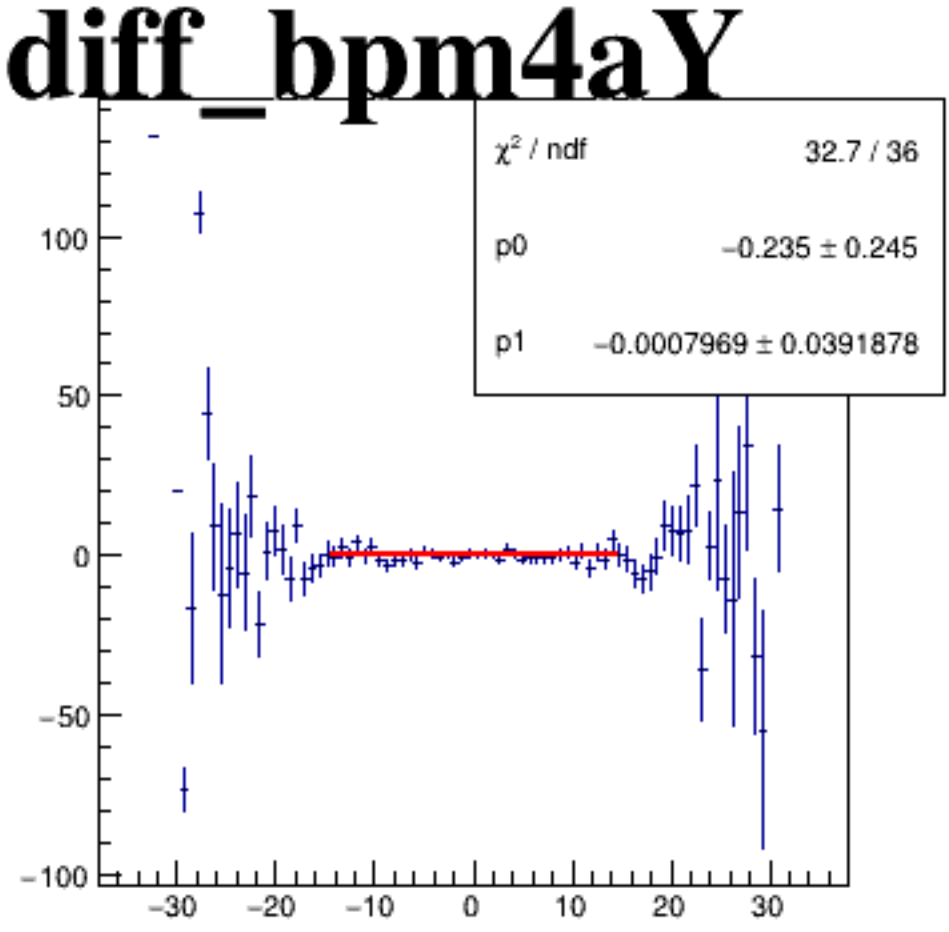
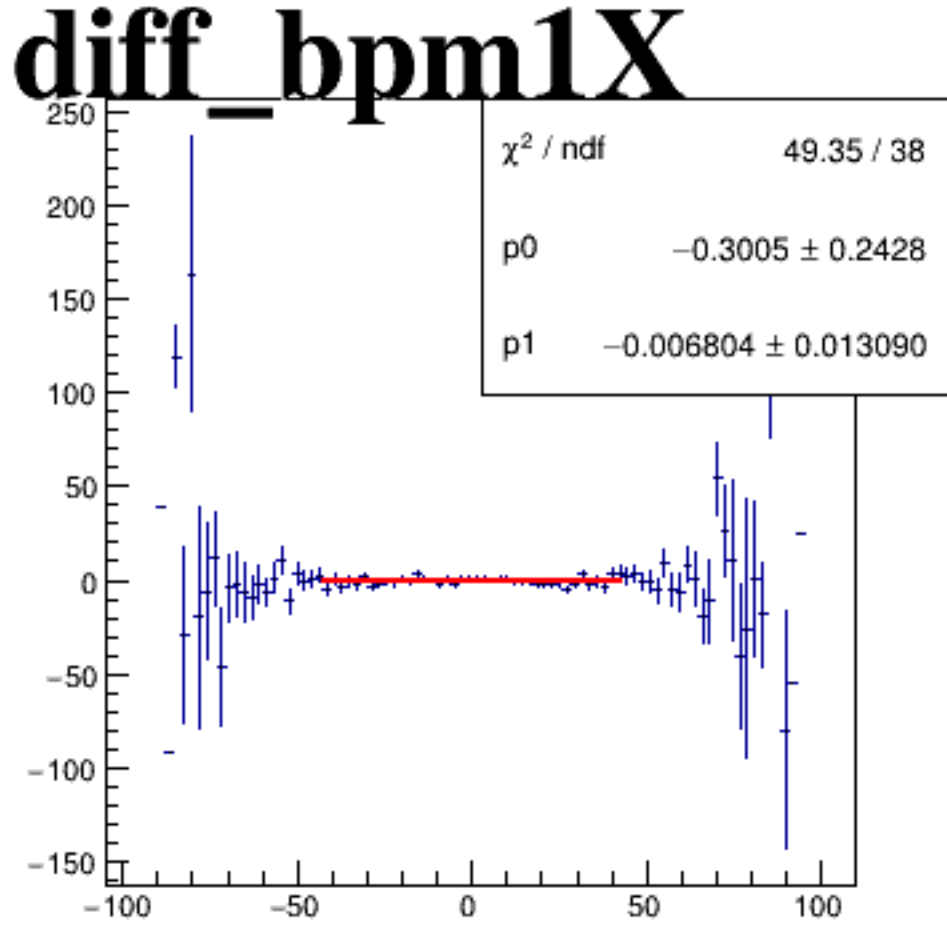
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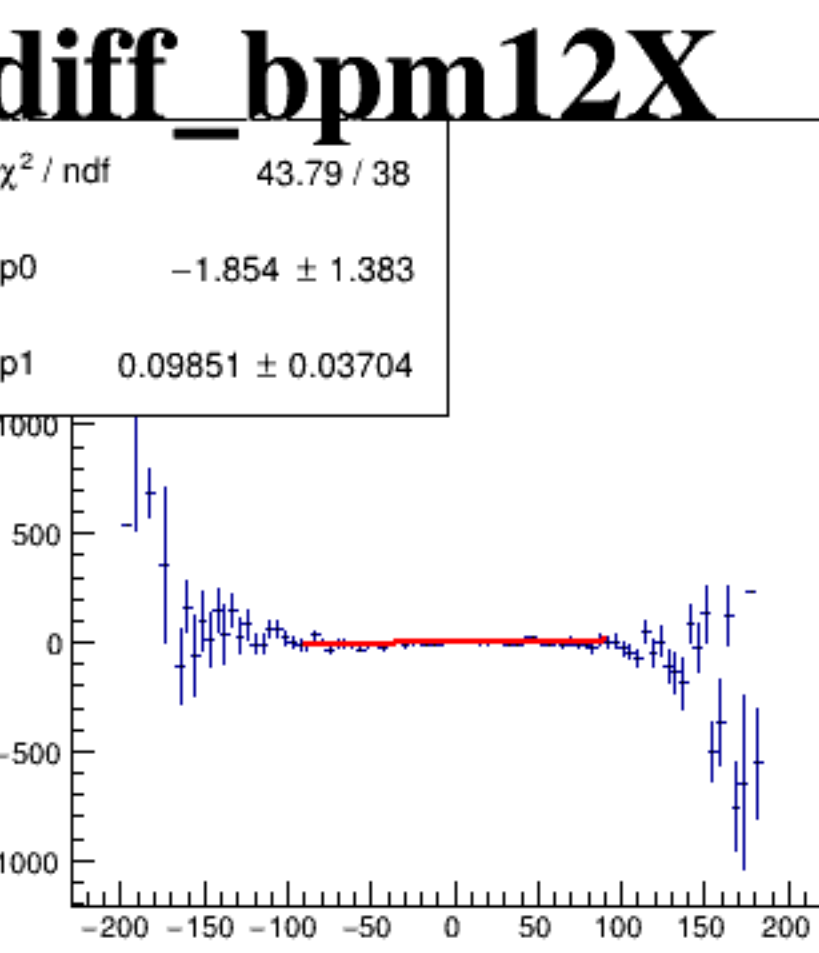
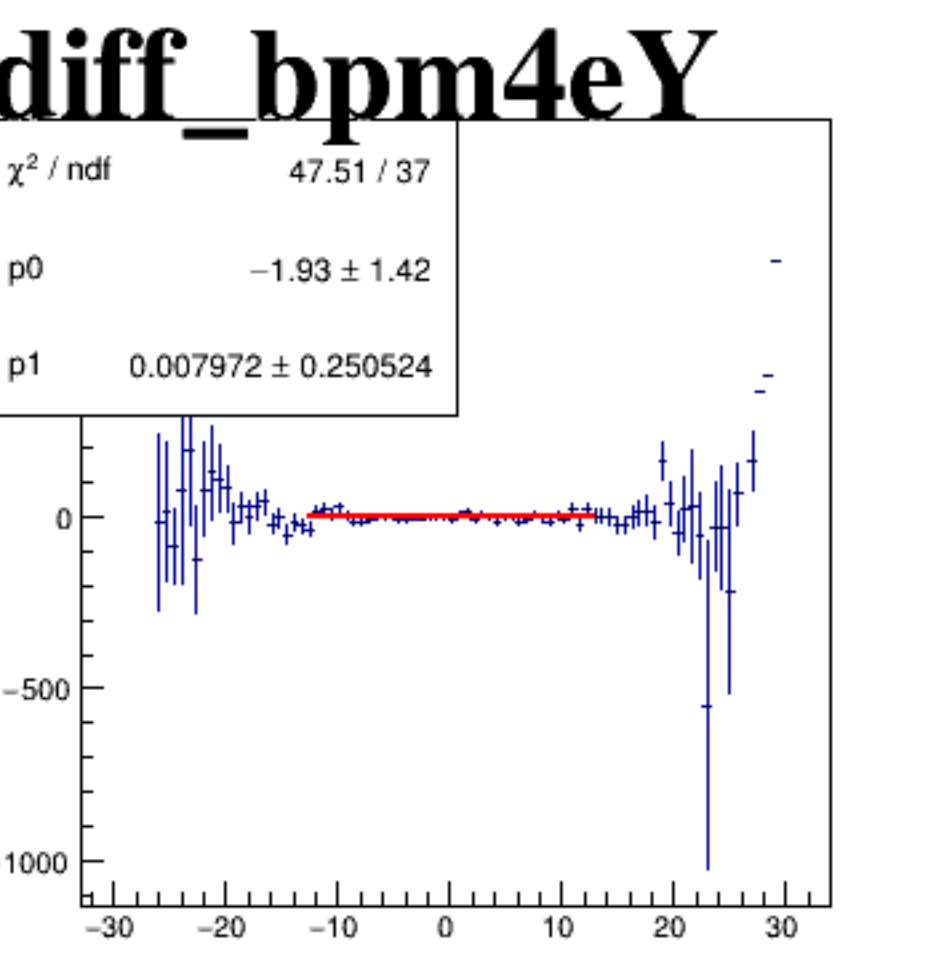
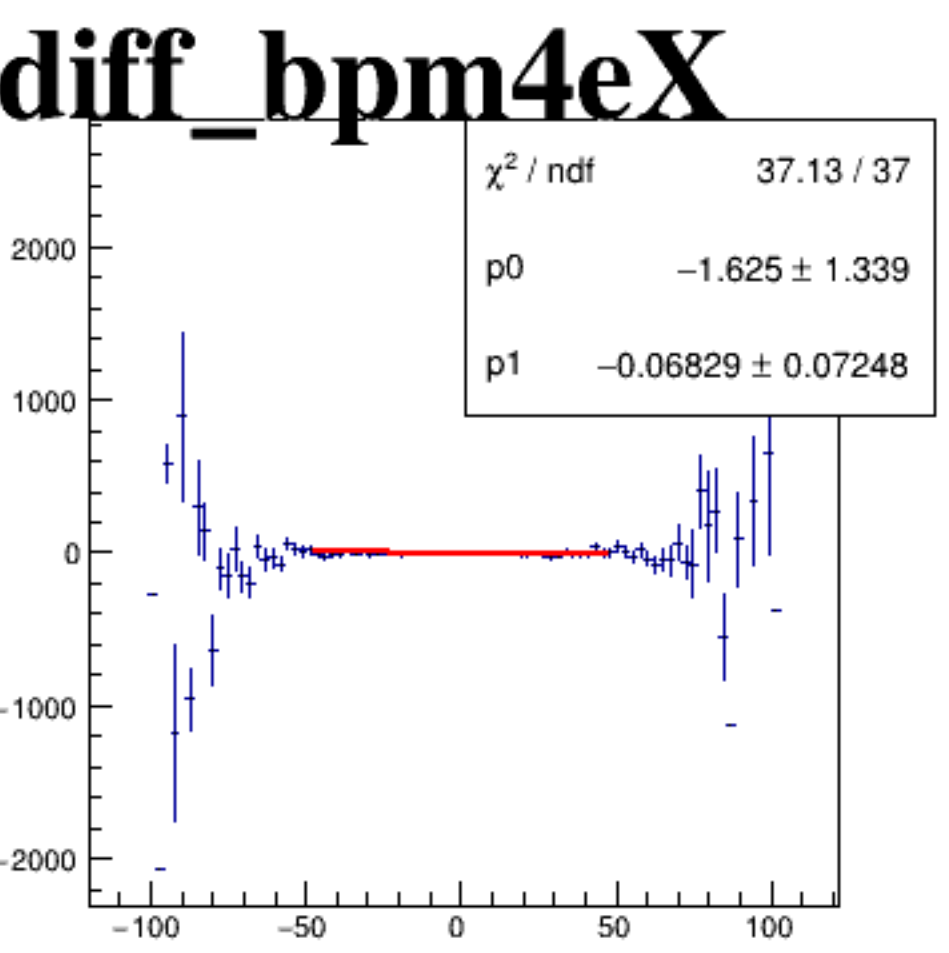
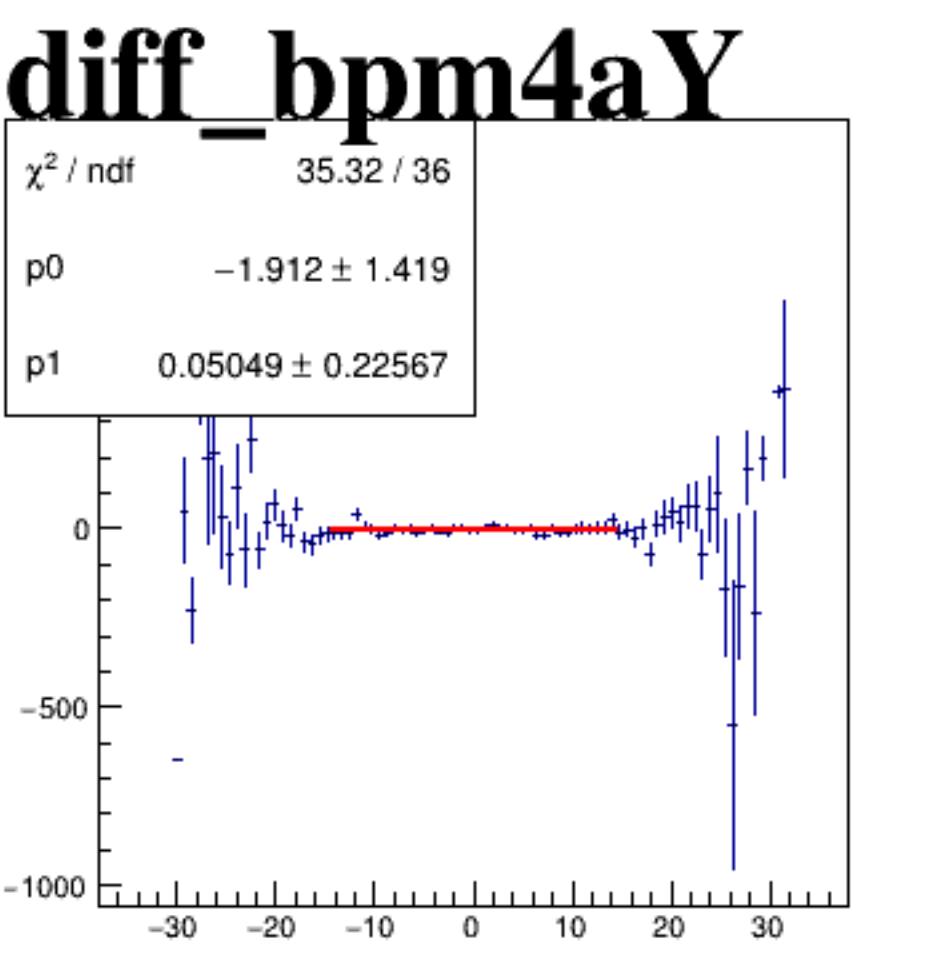
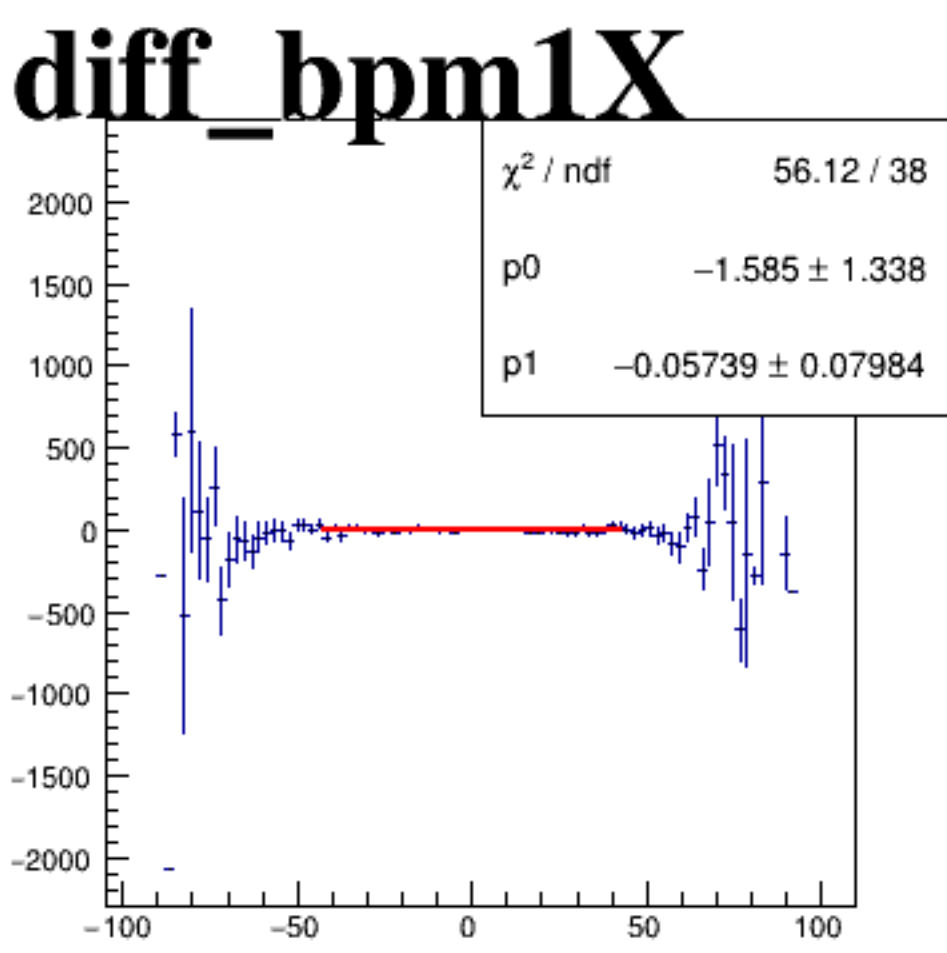
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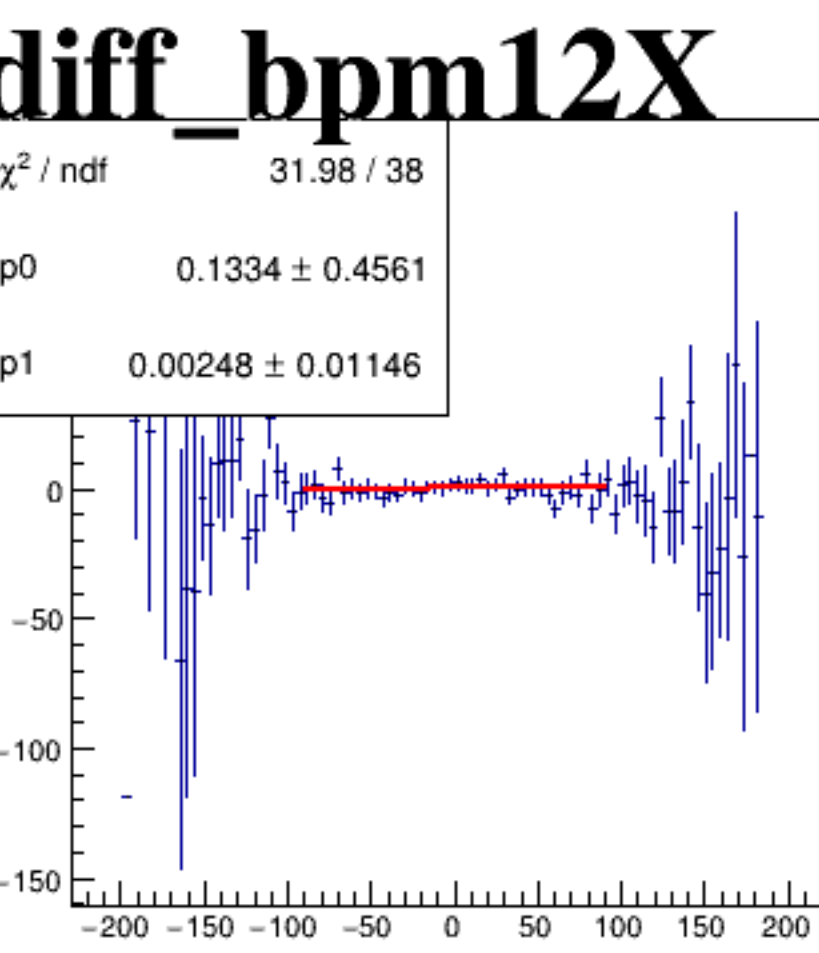
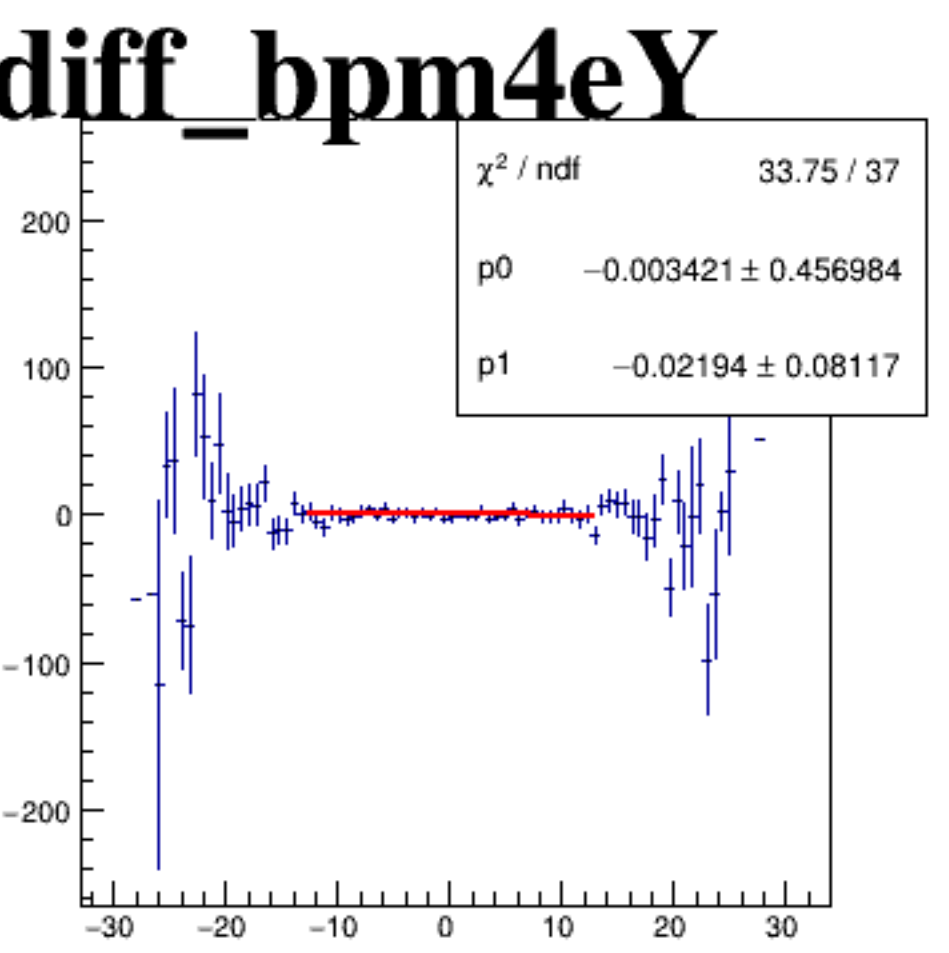
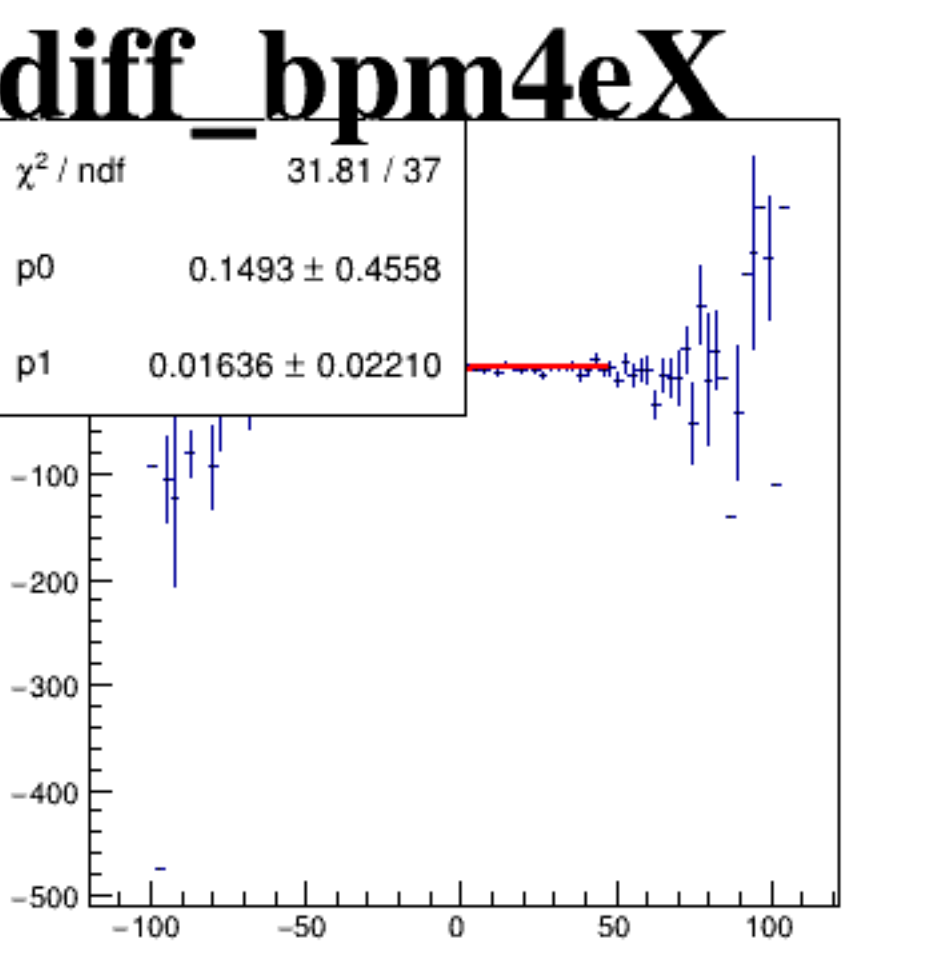
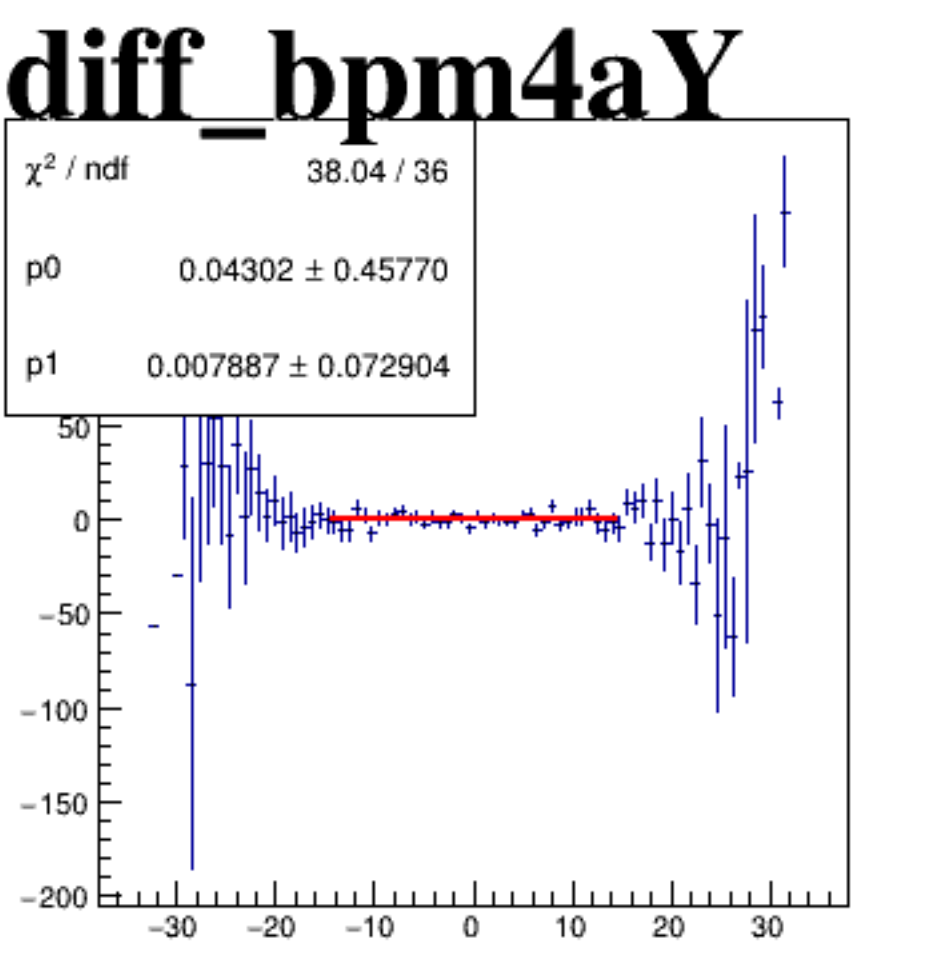
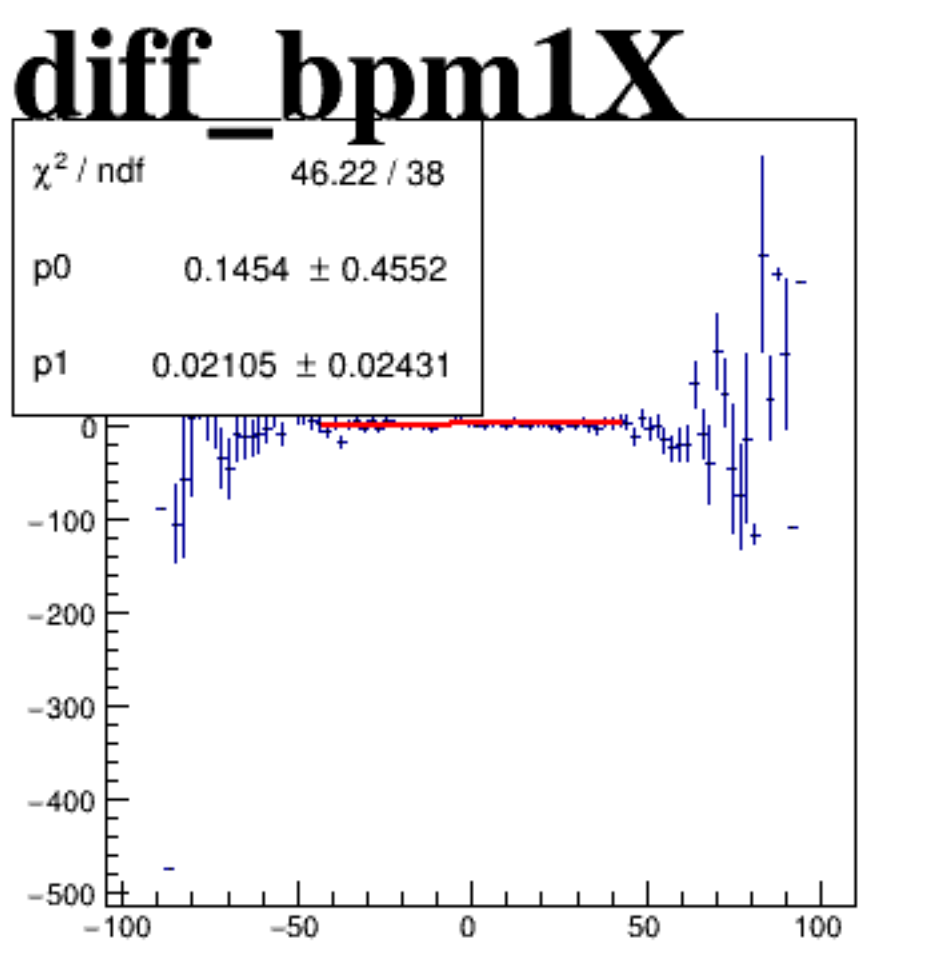
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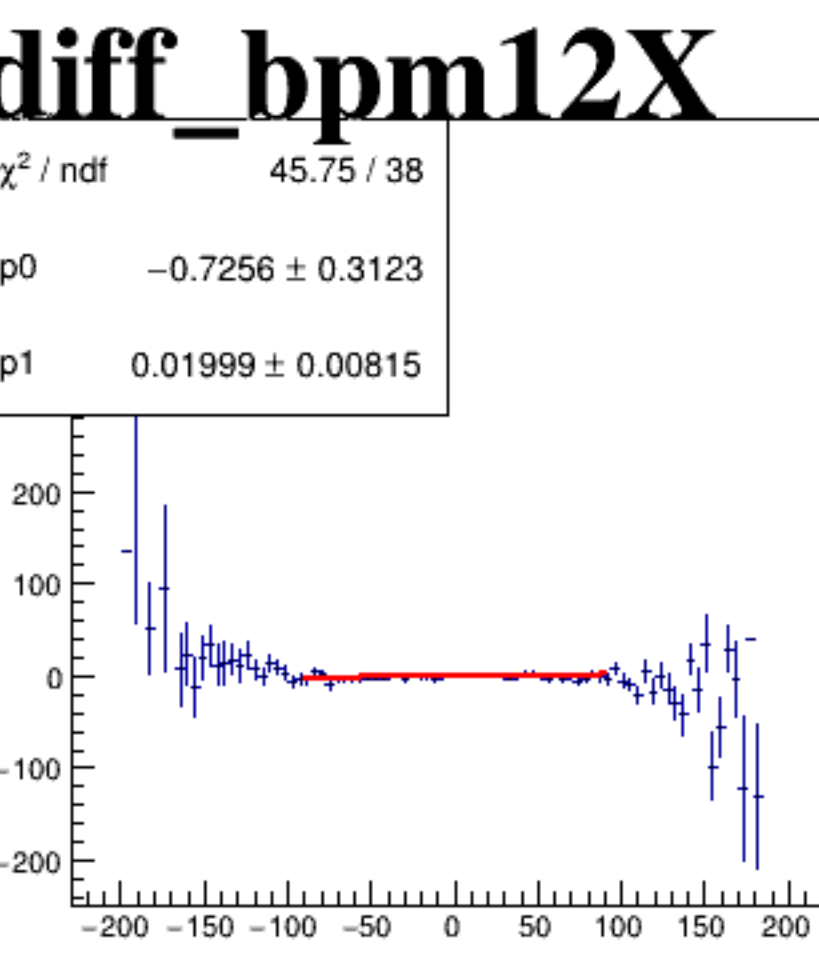
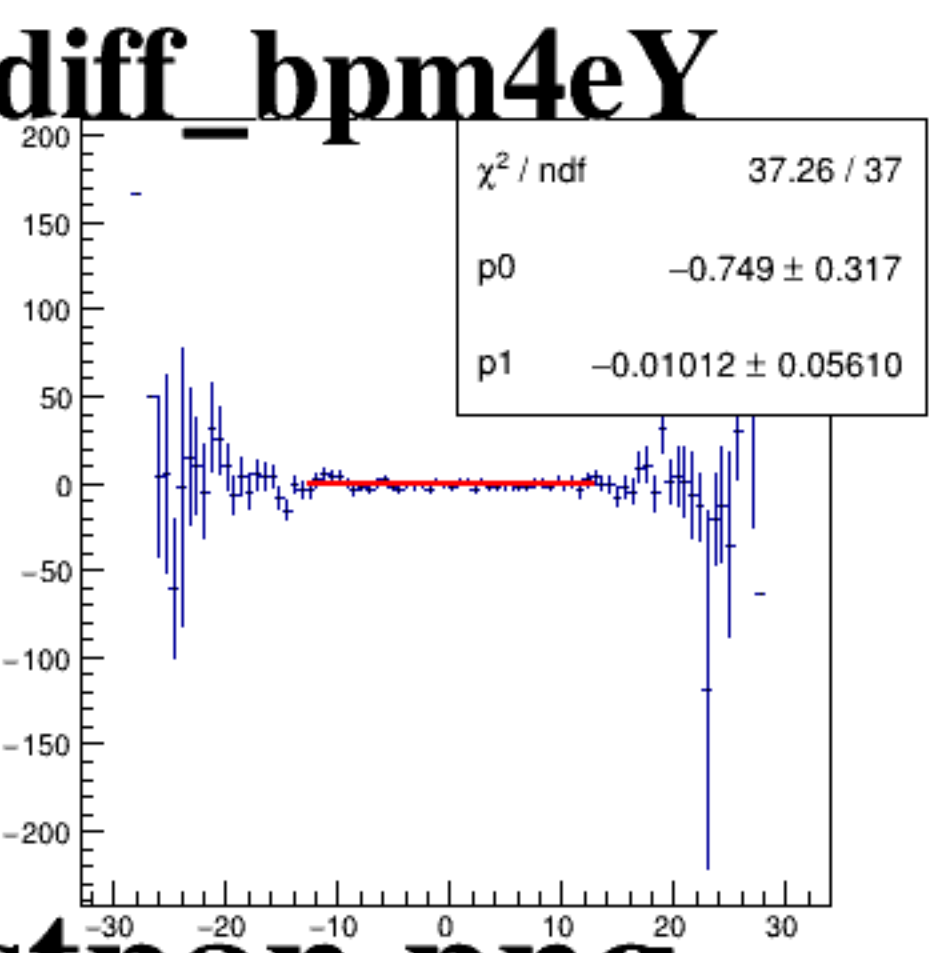
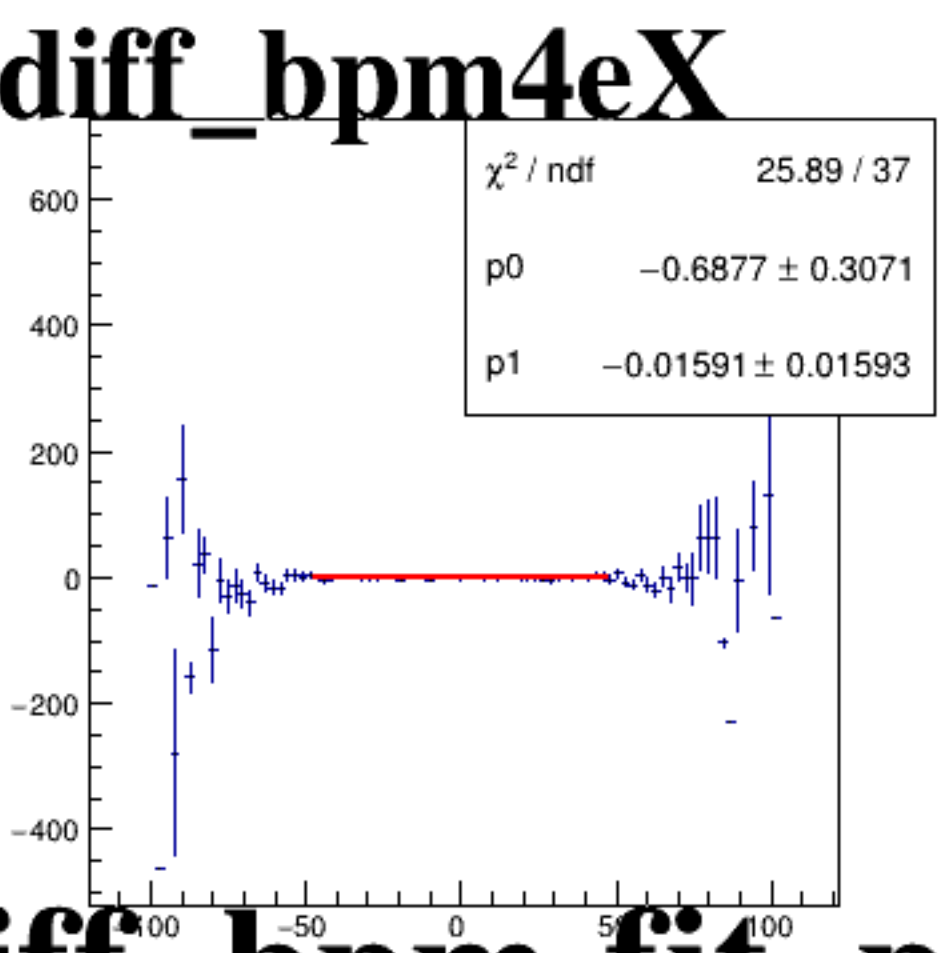
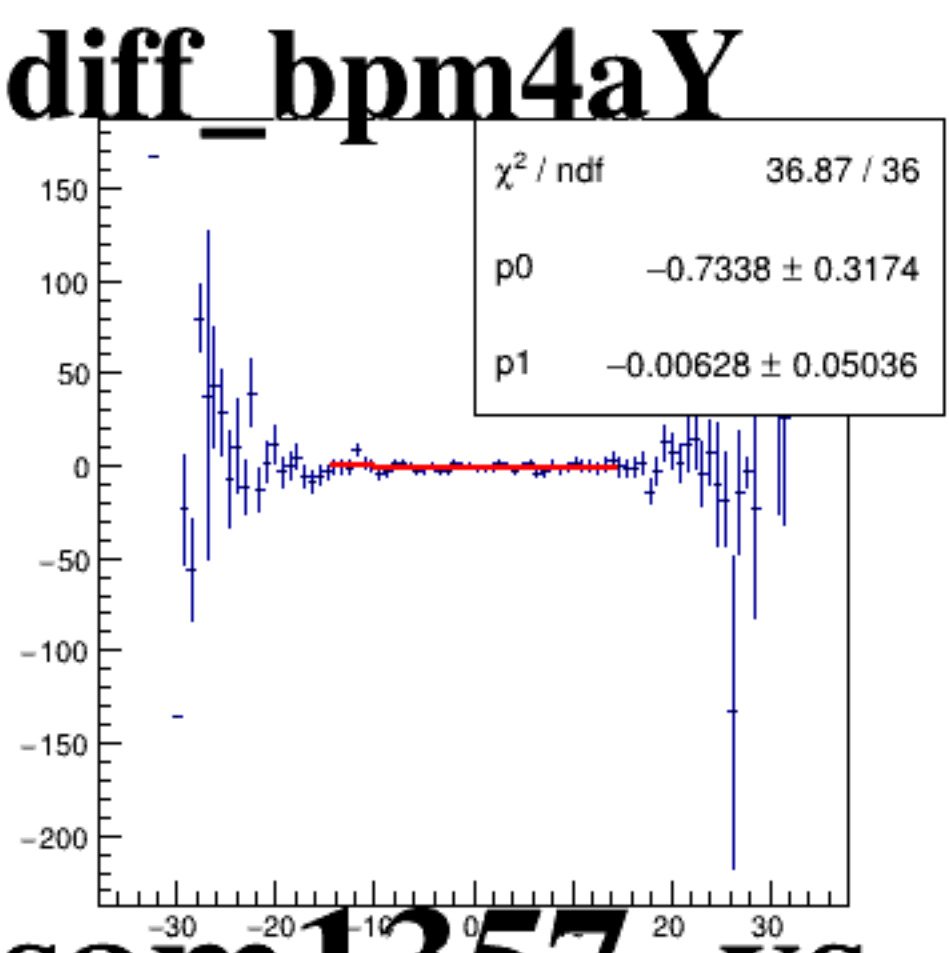
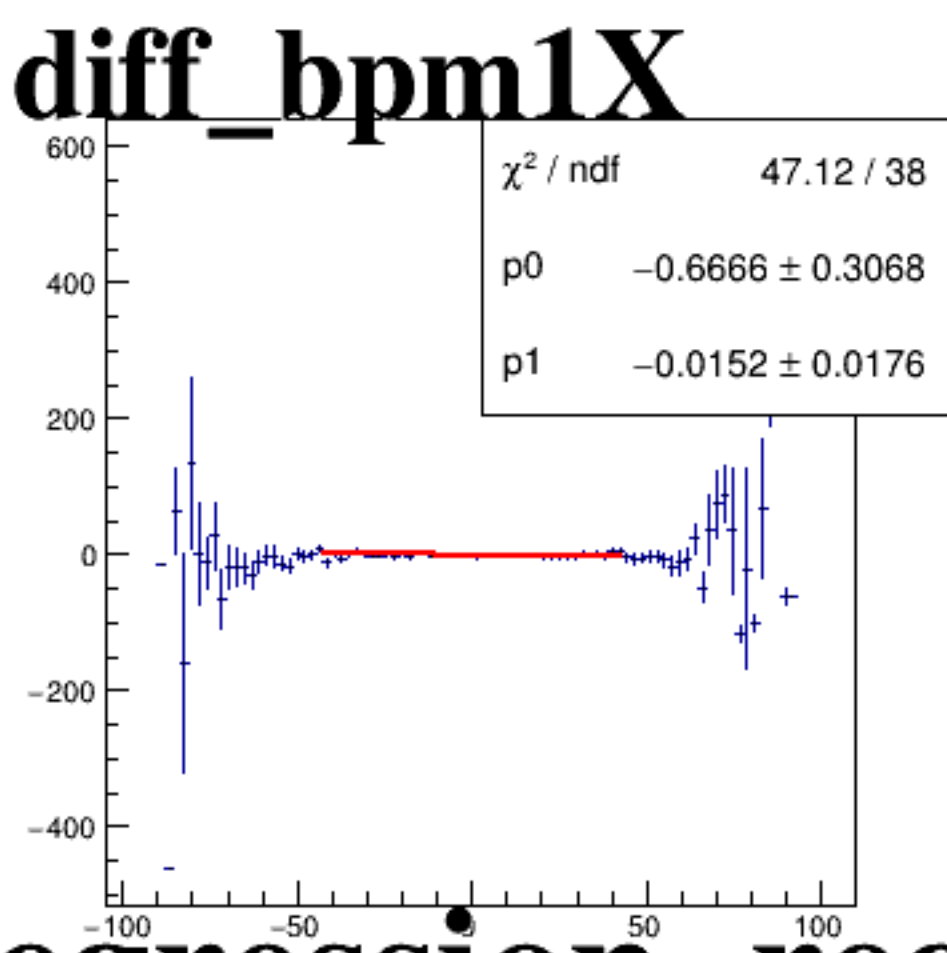
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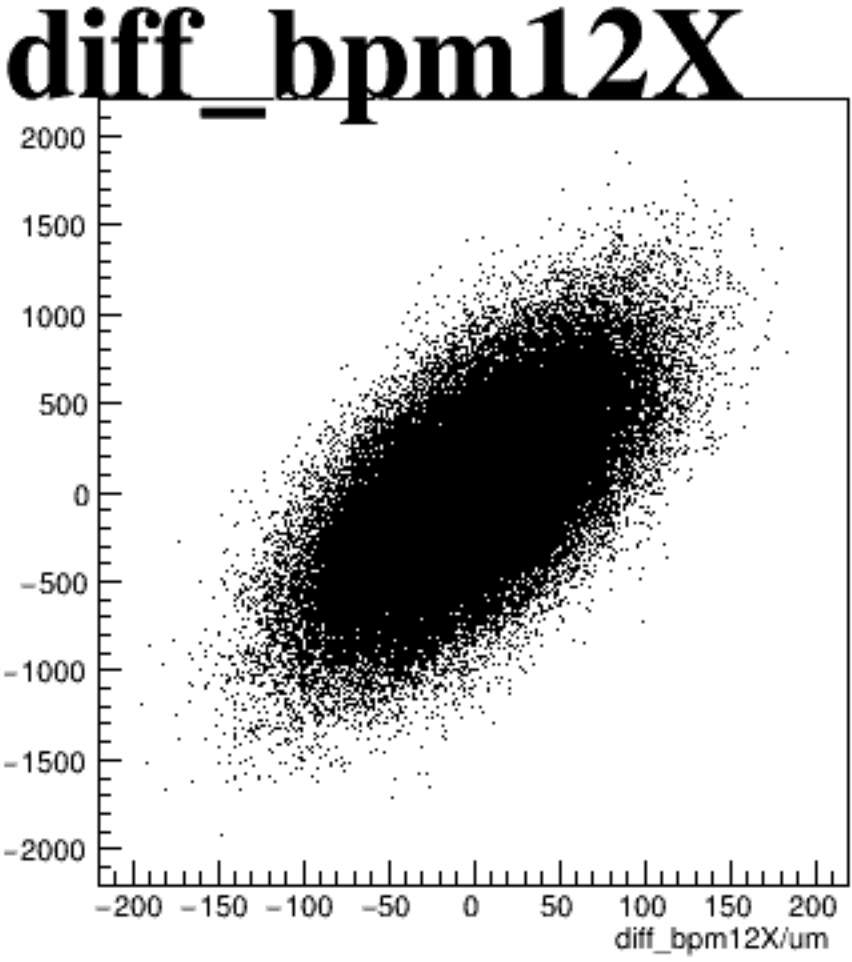
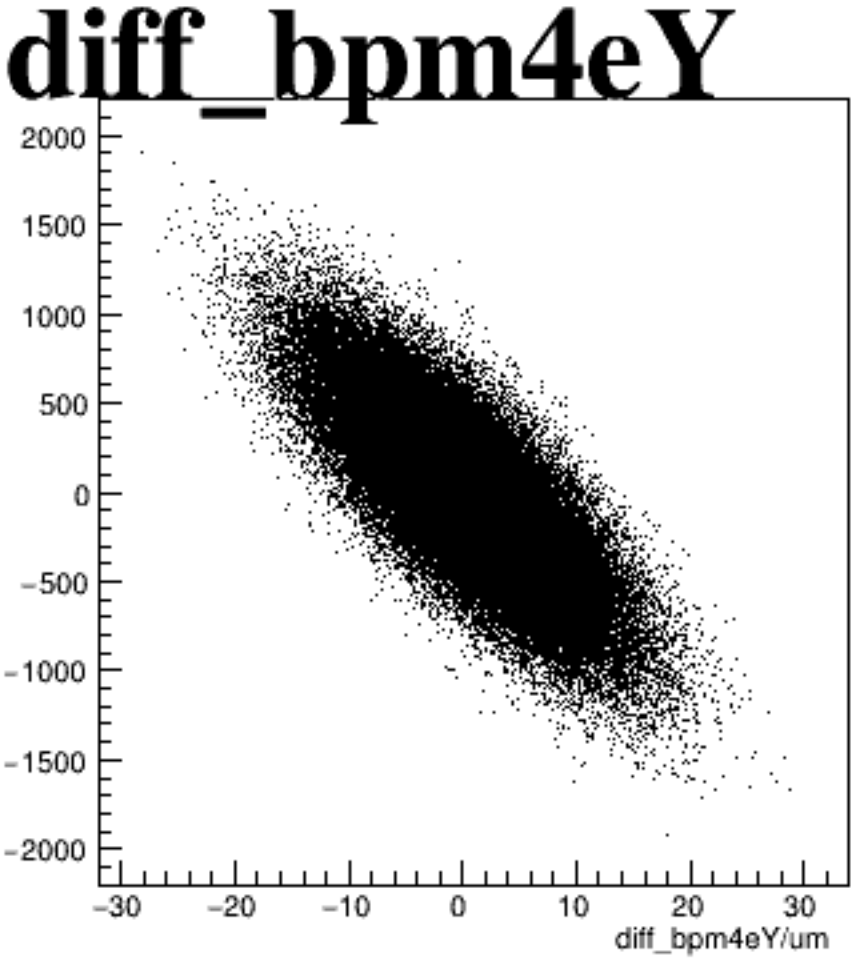
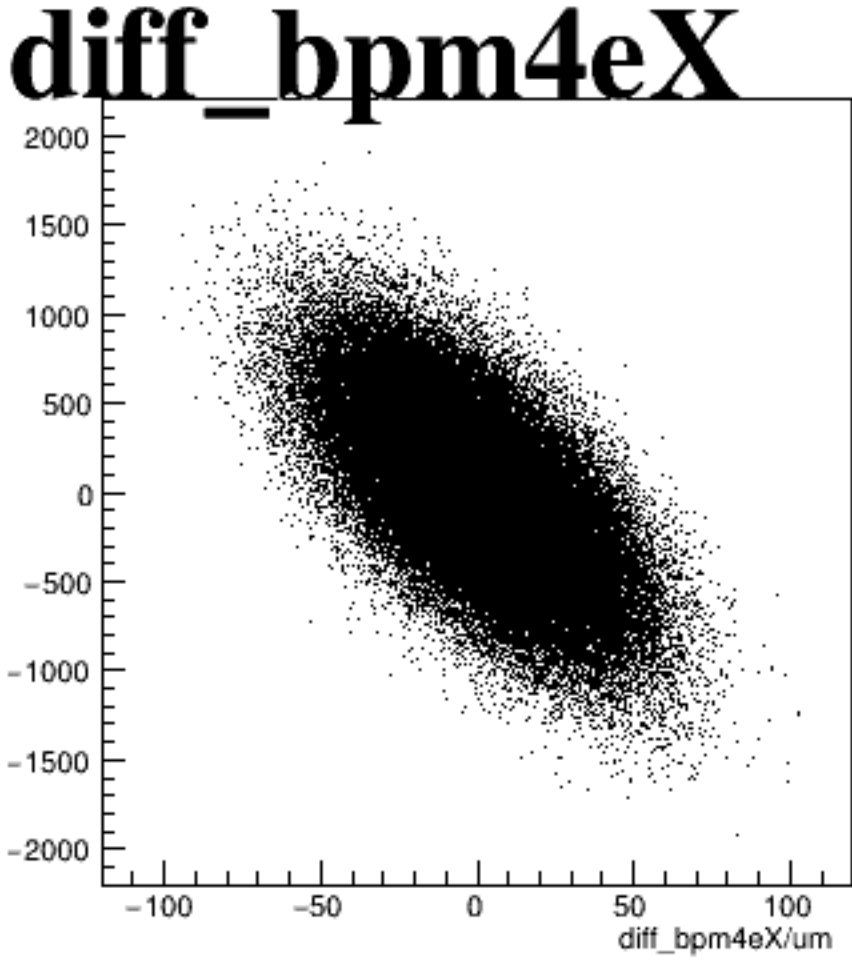
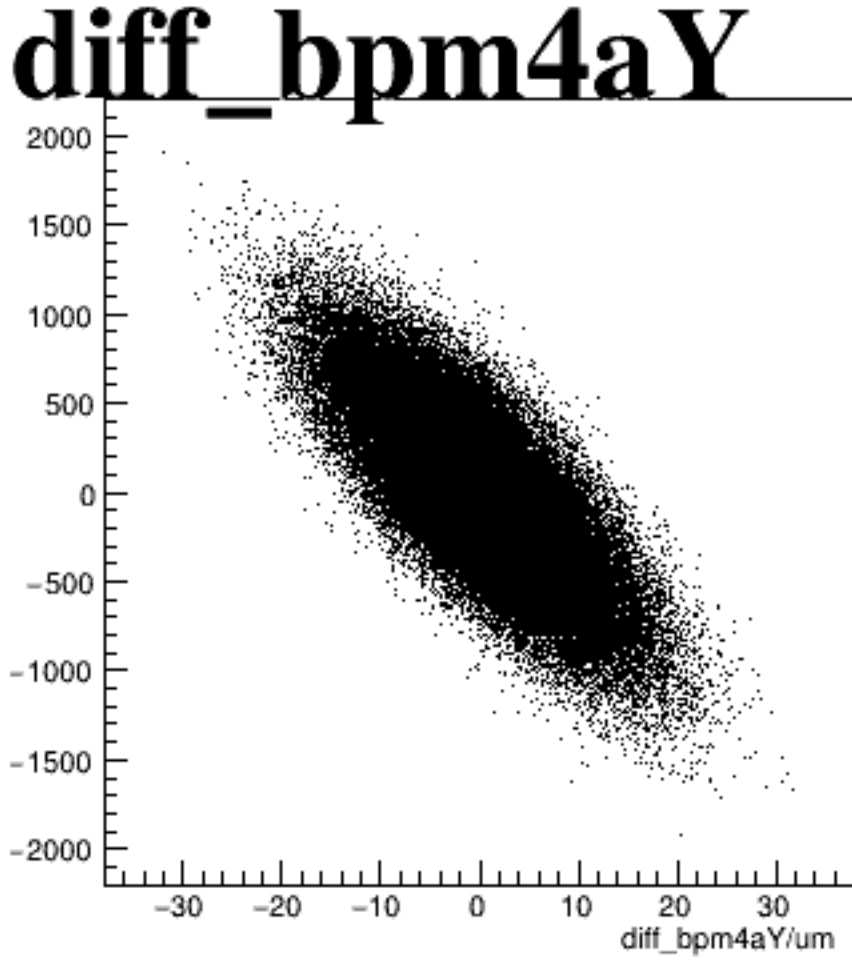
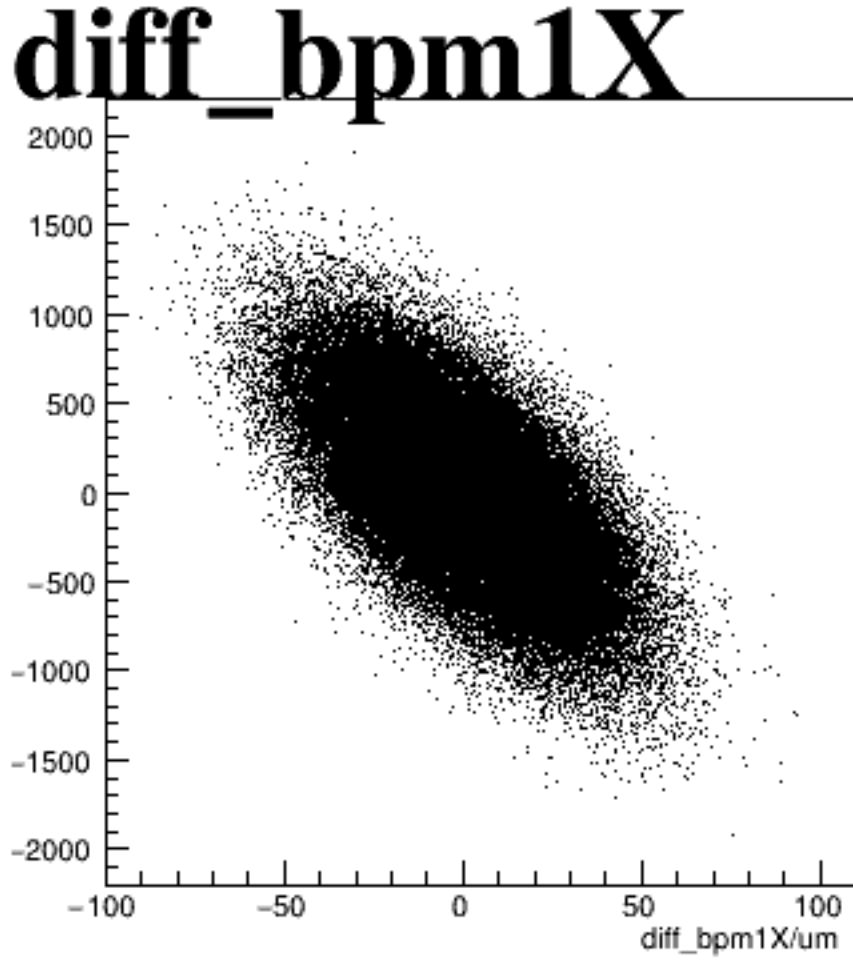
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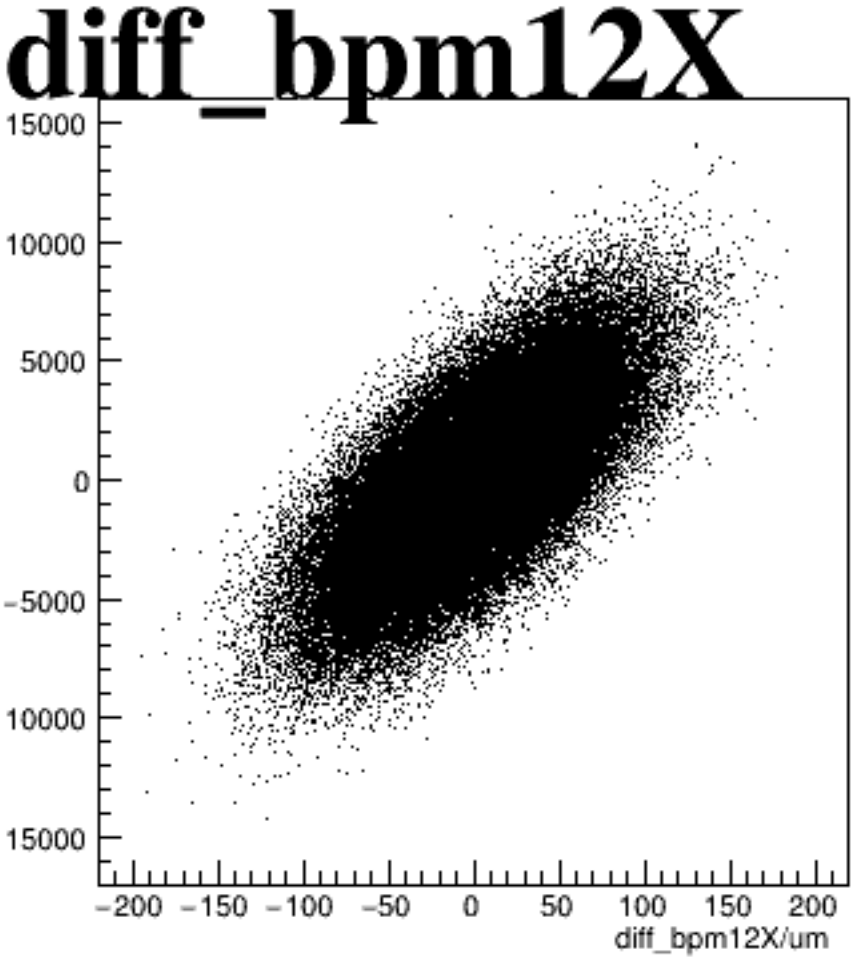
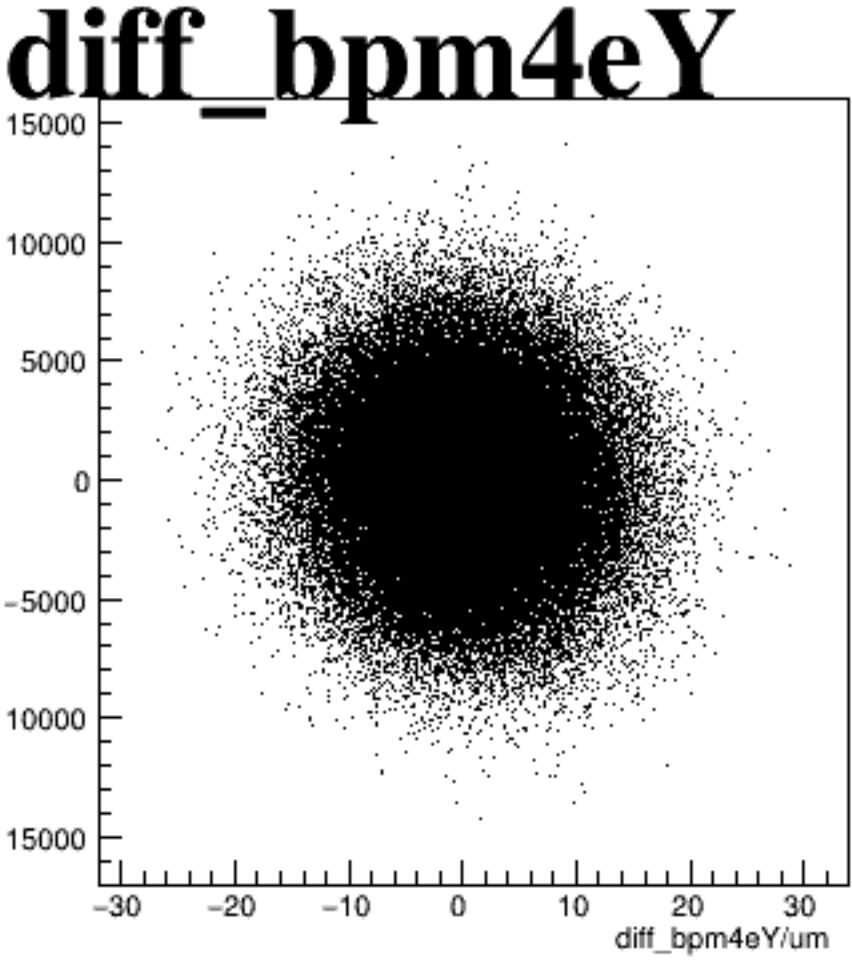
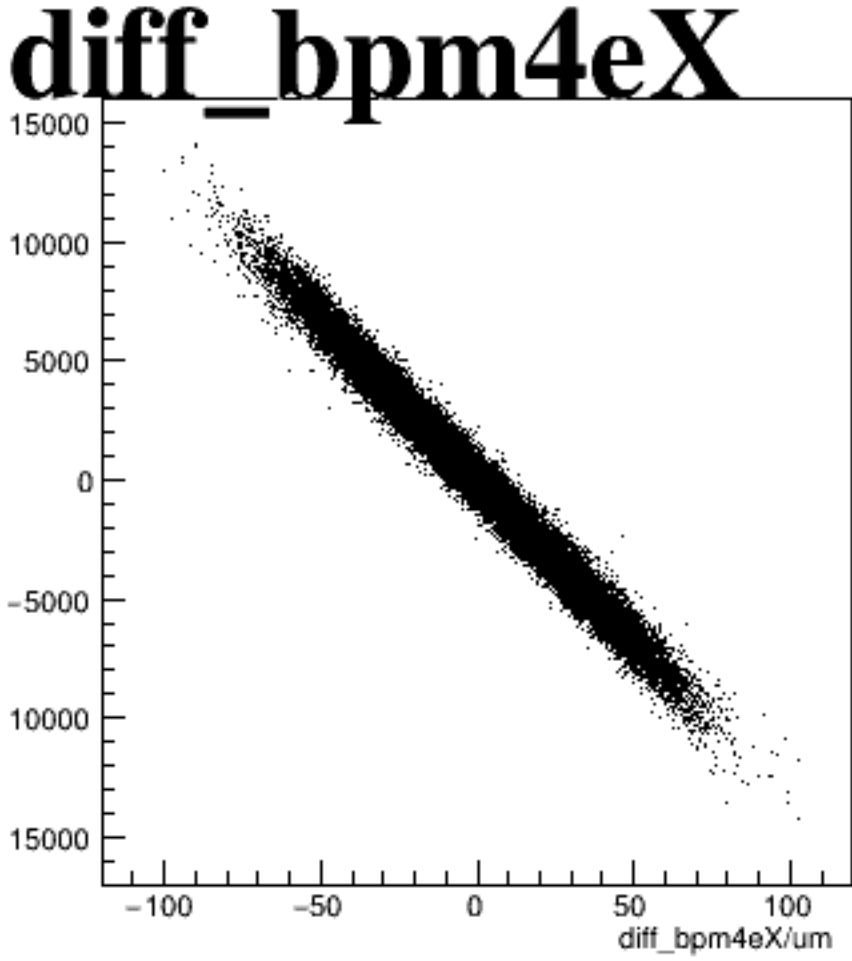
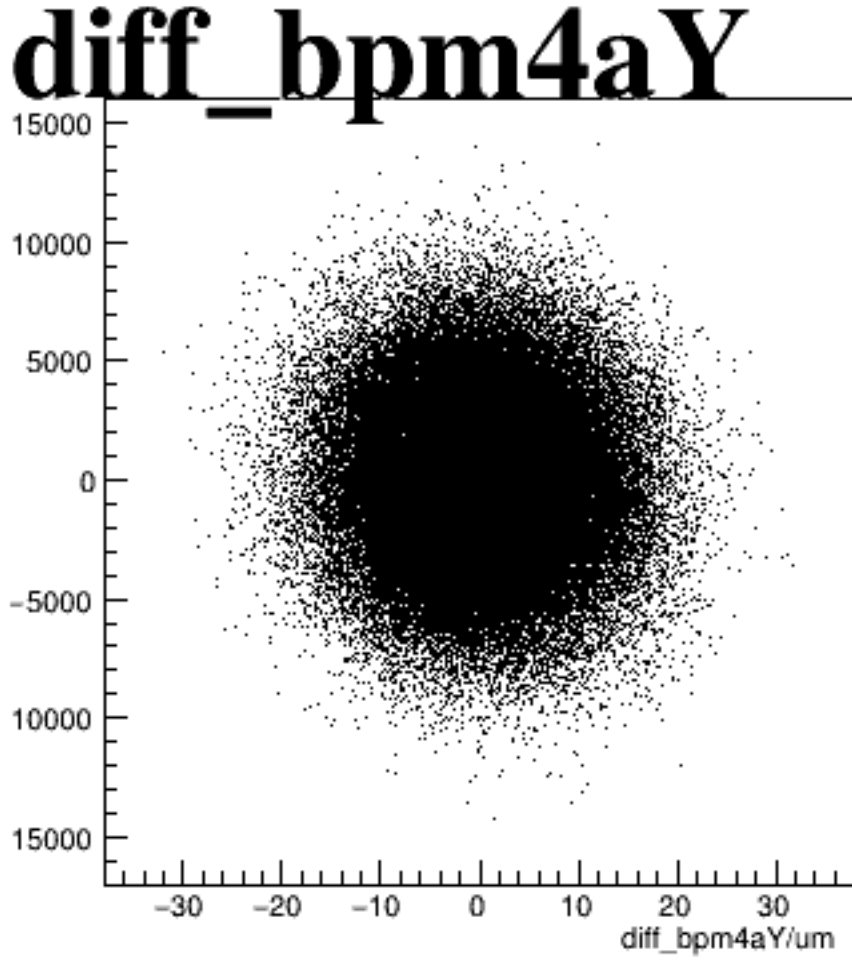
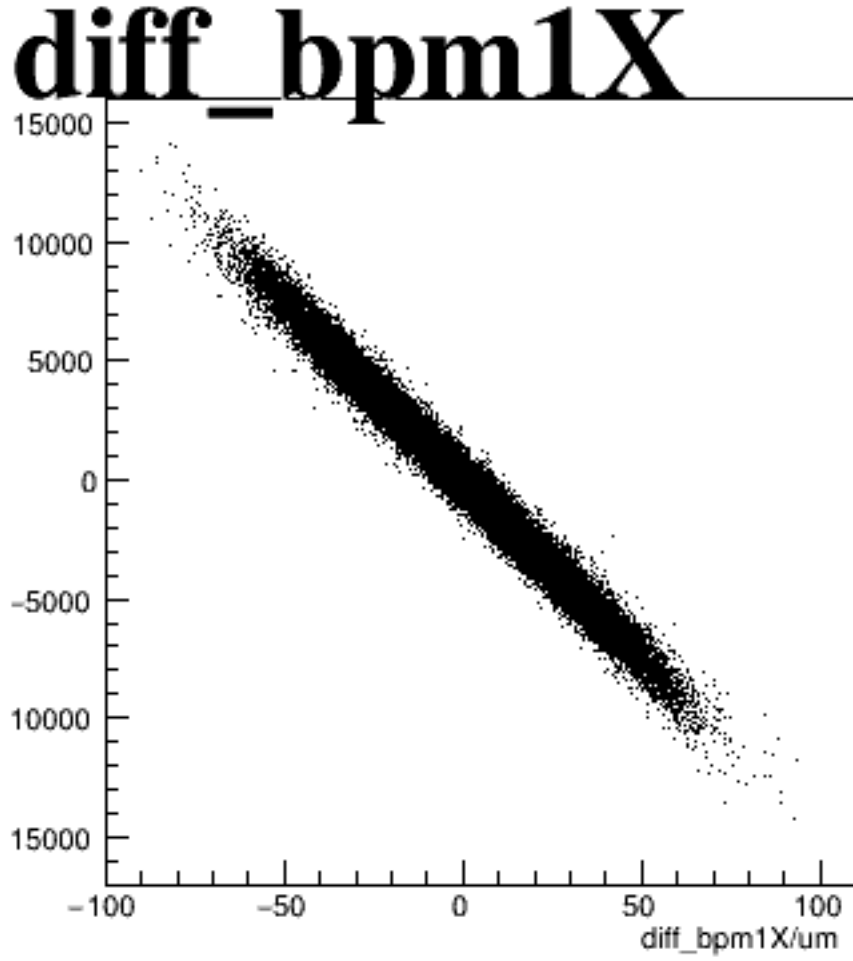
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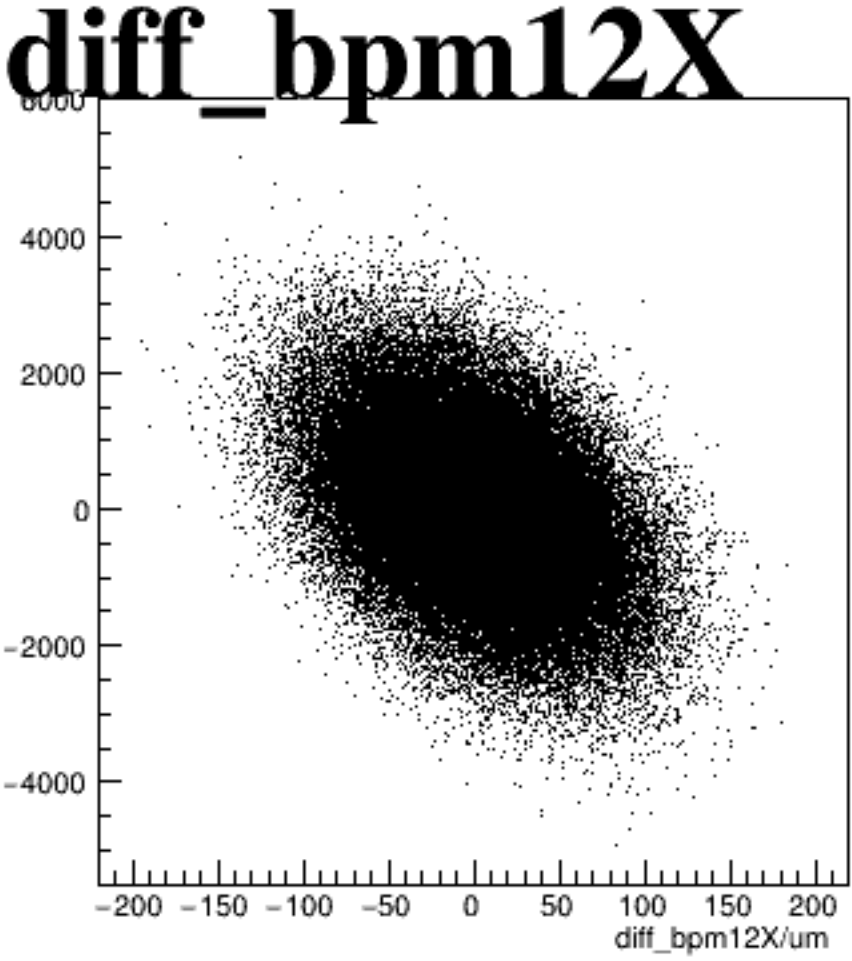
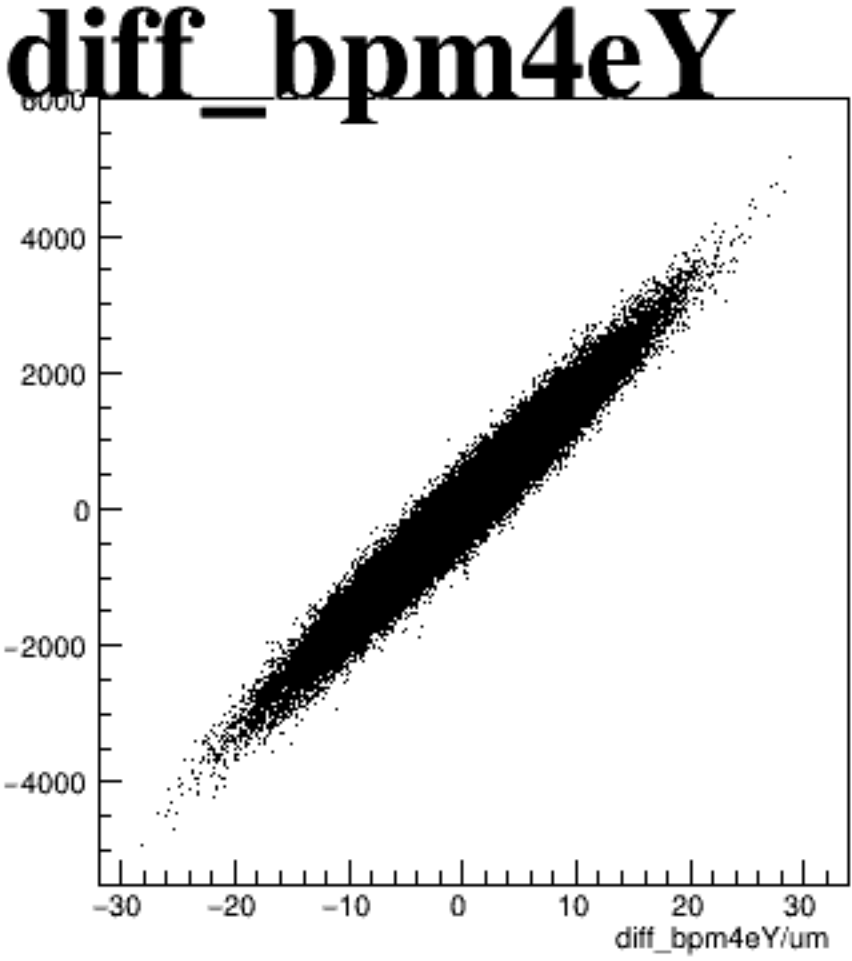
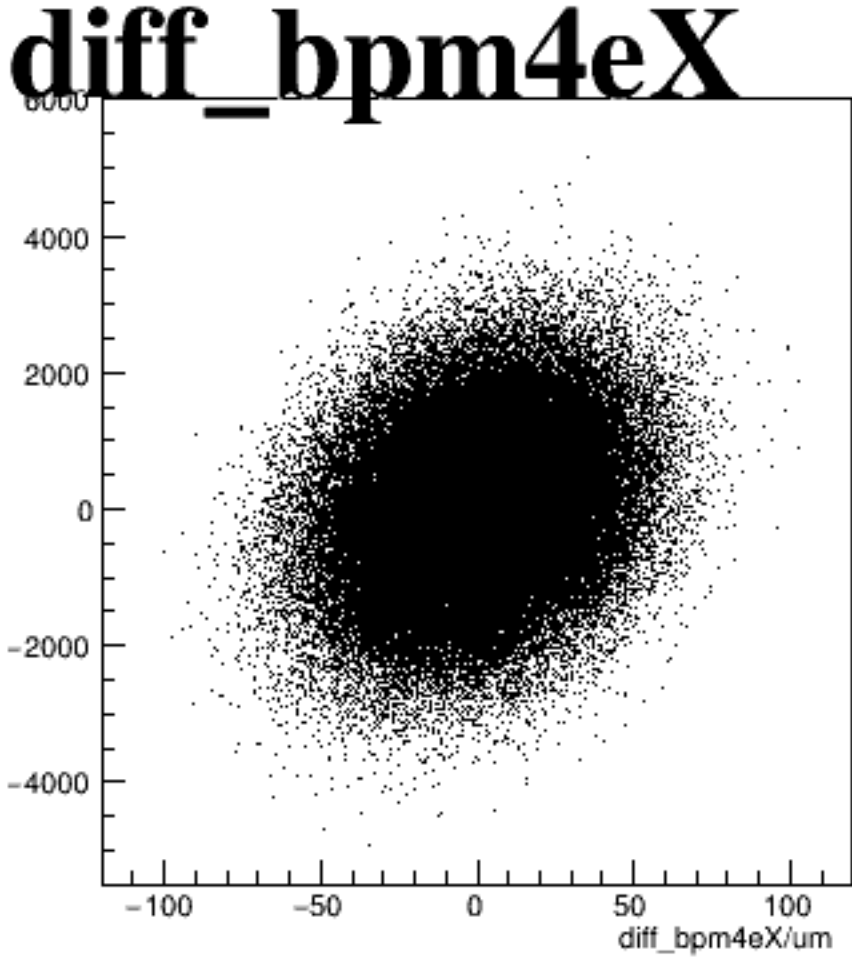
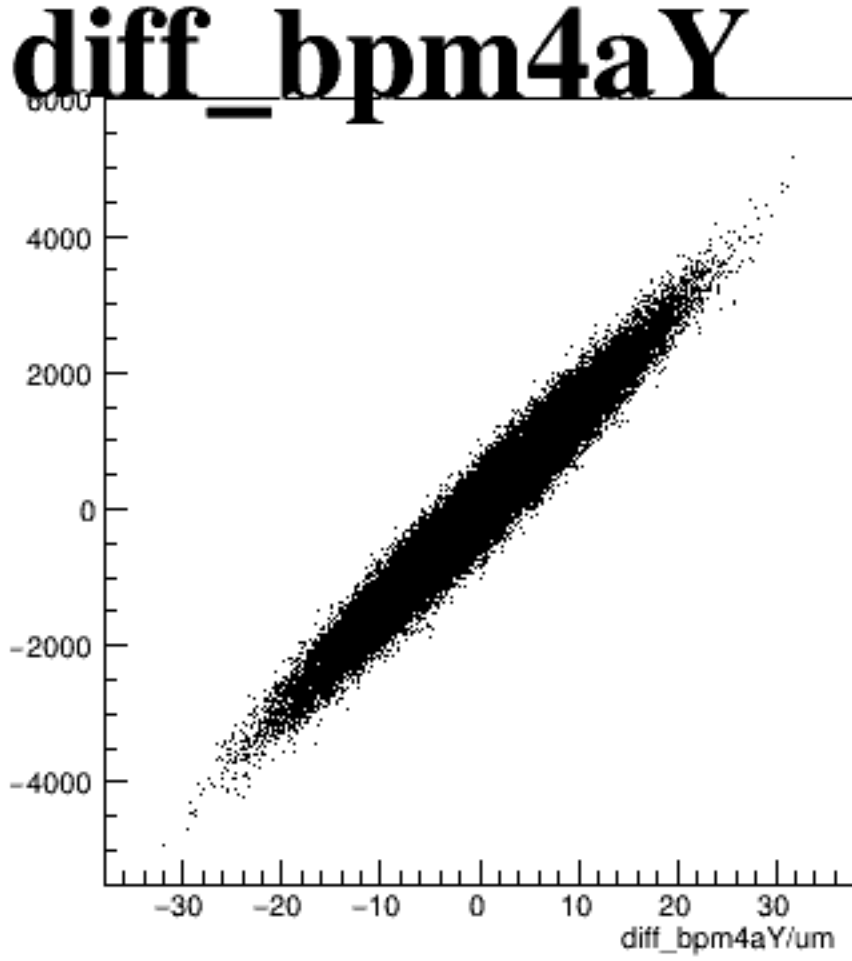
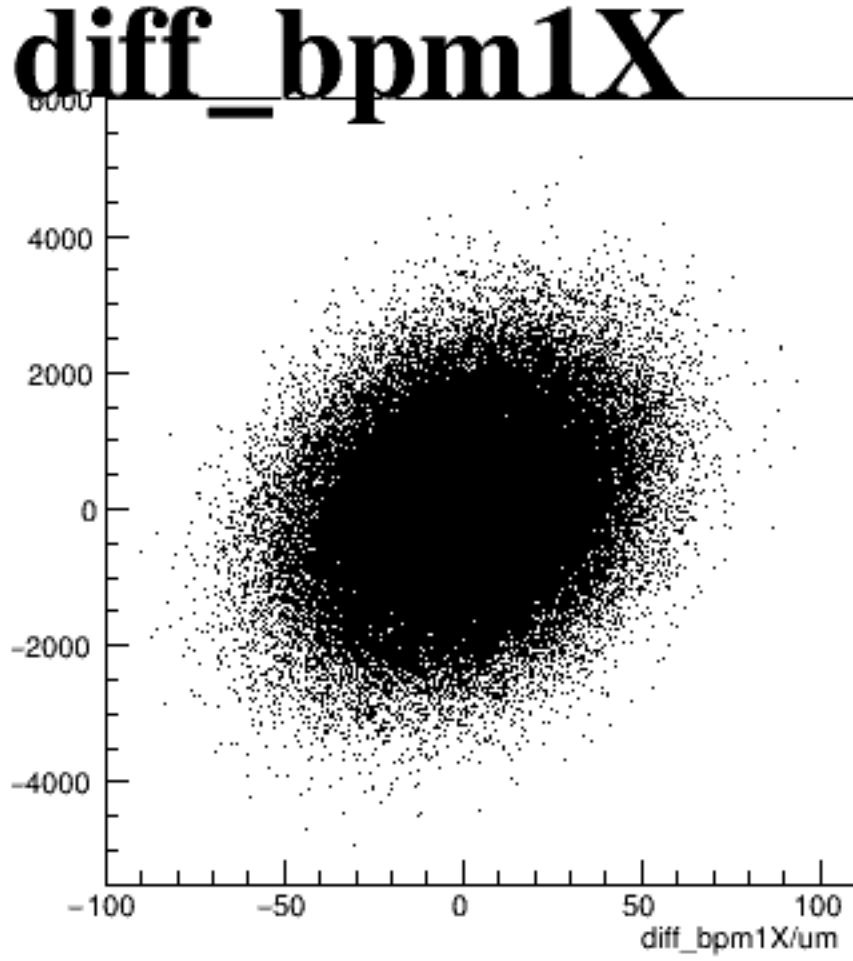
asym\_sam1



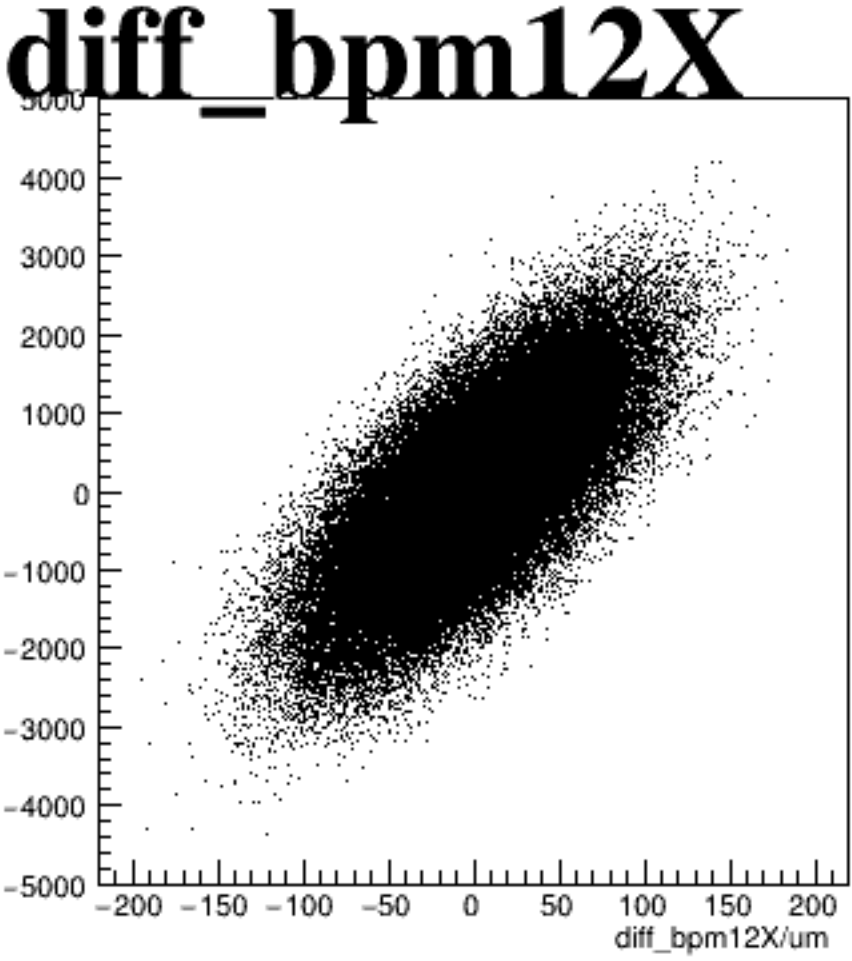
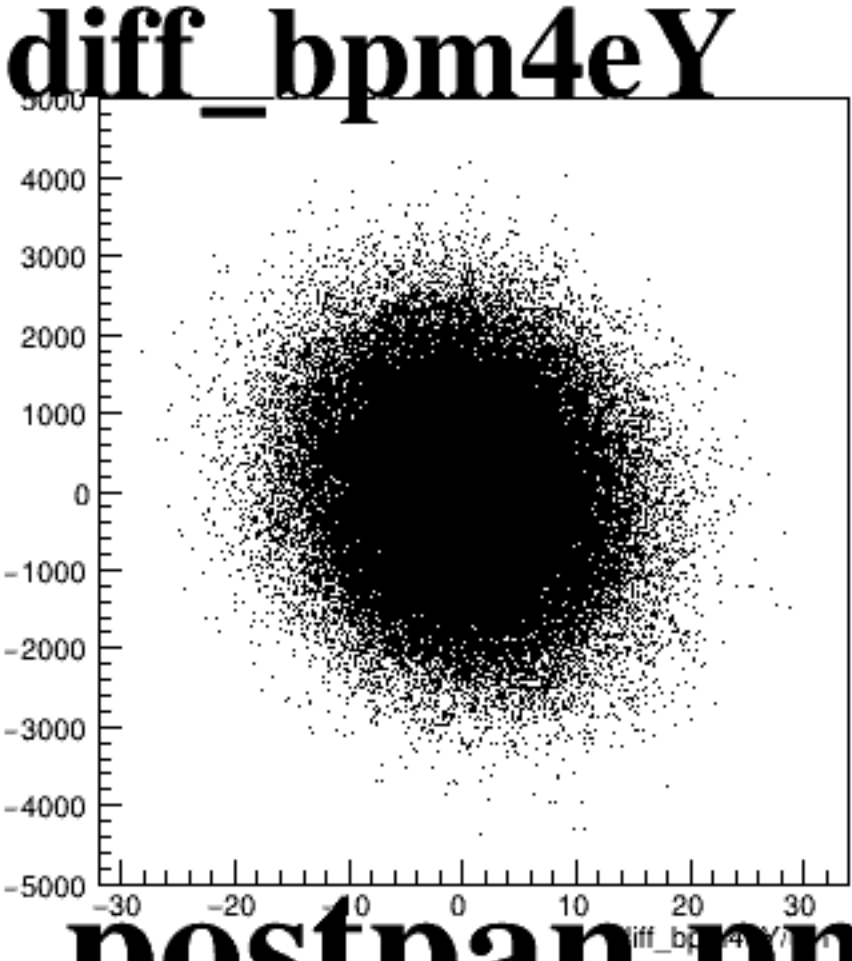
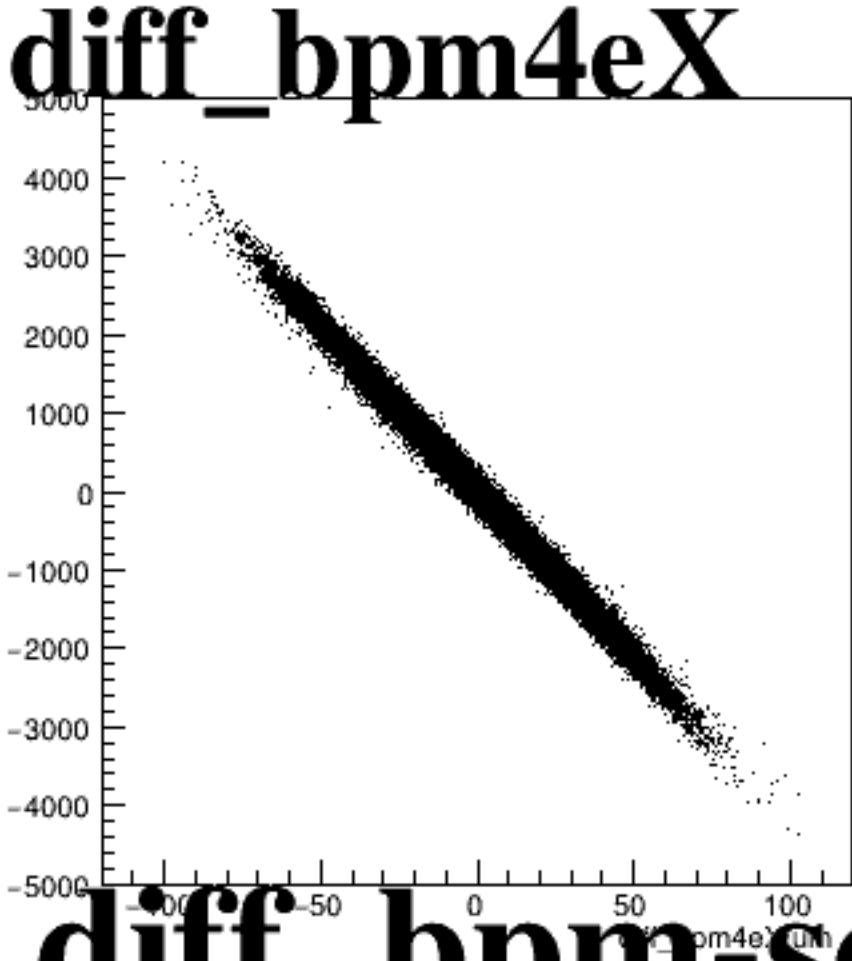
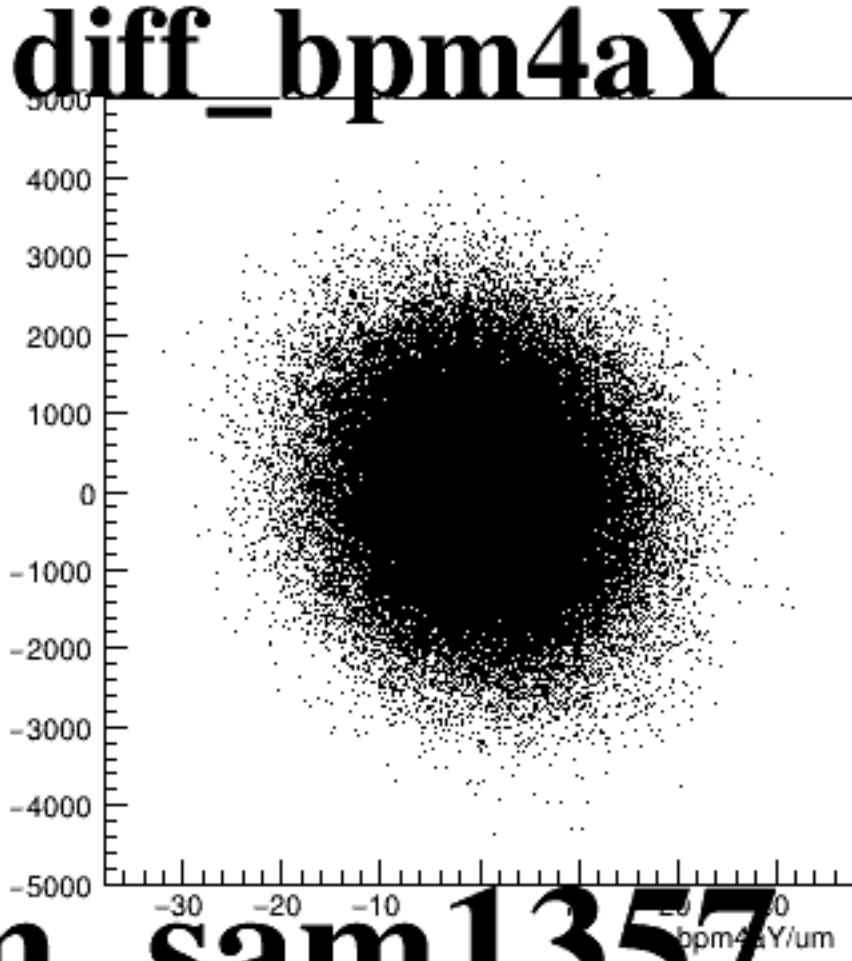
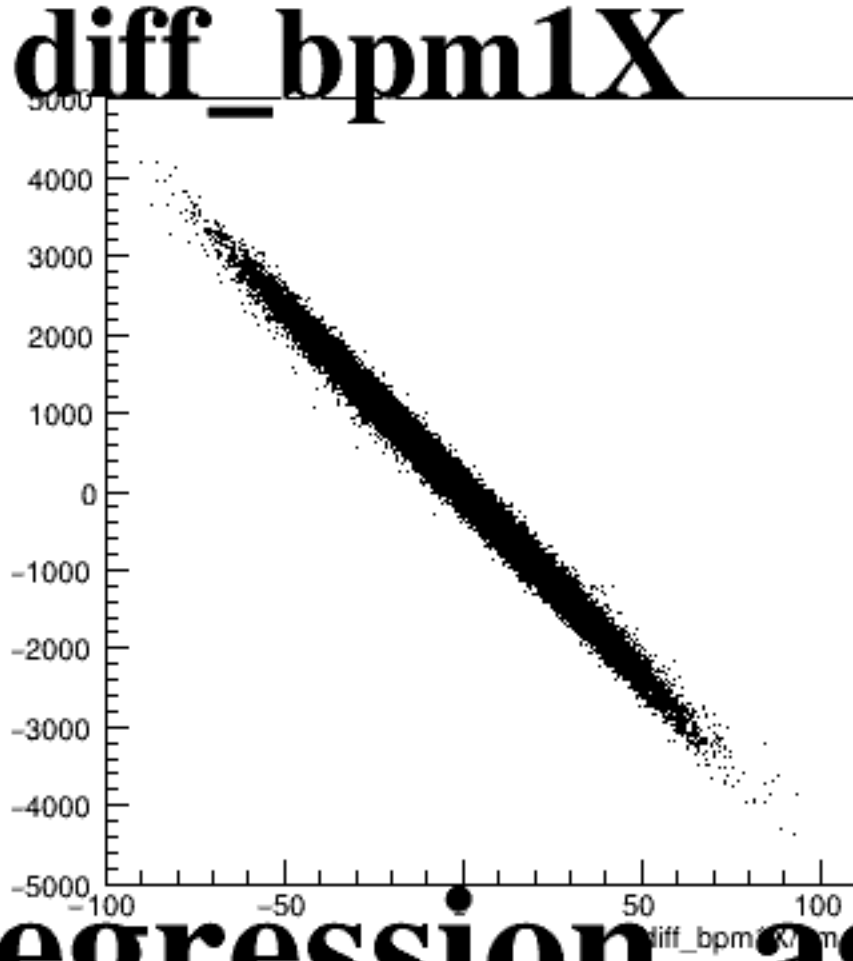
asym\_sam3



asym\_sam5



asym\_sam7



The figure consists of five scatter plots arranged horizontally, each showing the difference in beam position measurements (diff\_bpm) for different beam sizes and positions. The plots are labeled as follows:

- diff\_bpm1X**: The x-axis is labeled "diff\_bpm1X/um" and ranges from -100 to 100. The y-axis ranges from -300 to 400.
- diff\_bpm4aY**: The x-axis is labeled "diff\_bpm4aY/um" and ranges from -30 to 30. The y-axis ranges from -300 to 400.
- diff\_bpm4eX**: The x-axis is labeled "diff\_bpm4eX/um" and ranges from -100 to 100. The y-axis ranges from -300 to 400.
- diff\_bpm4eY**: The x-axis is labeled "diff\_bpm4eY/um" and ranges from -30 to 30. The y-axis ranges from -300 to 400.
- diff\_bpm12X**: The x-axis is labeled "diff\_bpm12X/um" and ranges from -200 to 200. The y-axis ranges from -300 to 400.

Each plot shows a dense cloud of points centered around the origin, indicating good agreement between measurements. The points are distributed in a roughly circular pattern, with the density highest at the center. The x-axis for each plot represents the difference in beam position measurements for a specific beam size and position, while the y-axis represents the difference in beam position measurements for a different beam size and position.