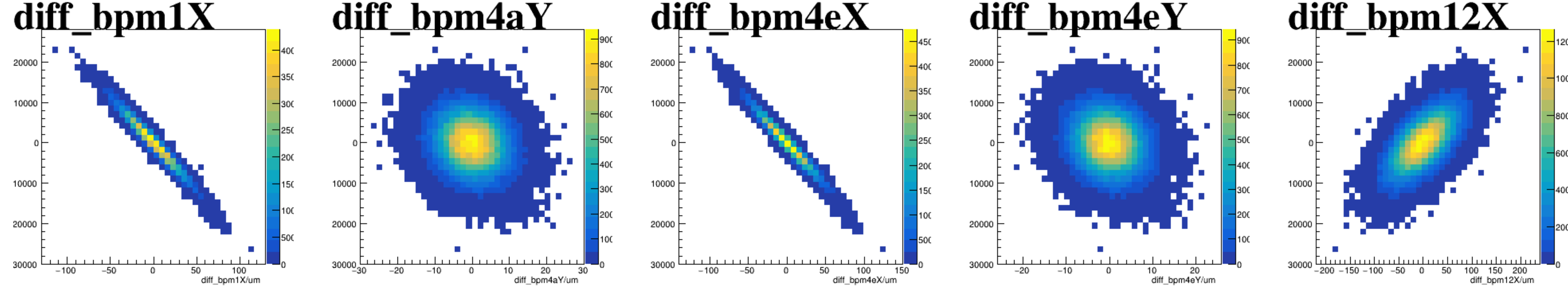
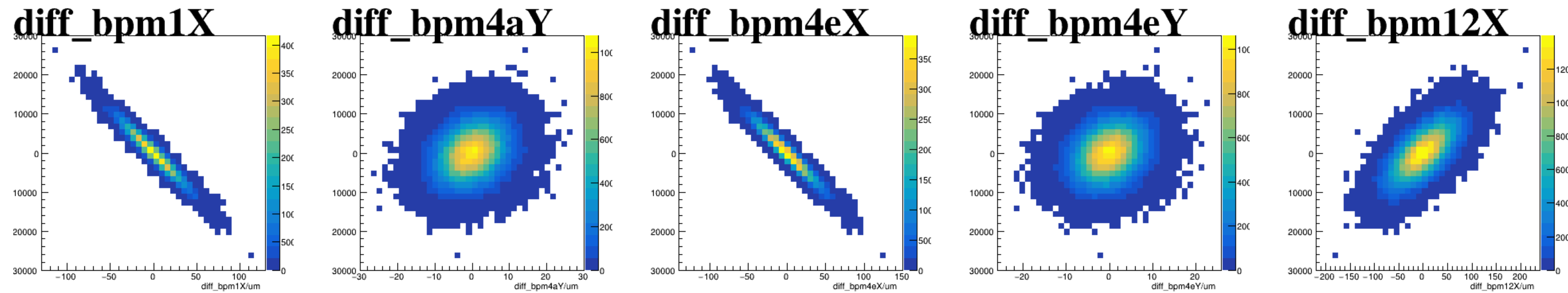


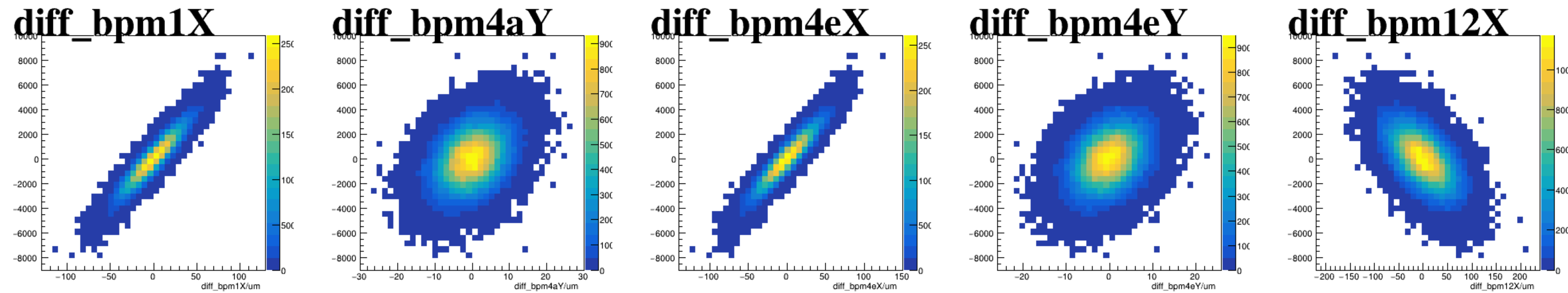
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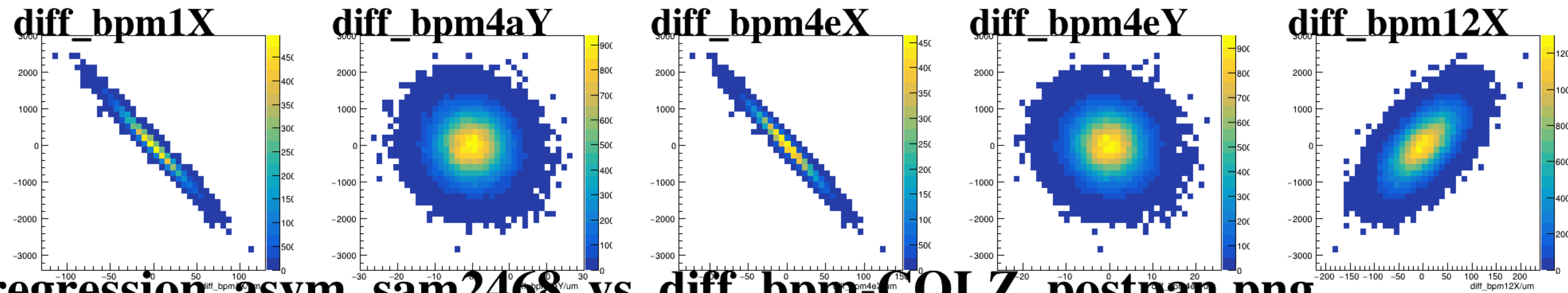
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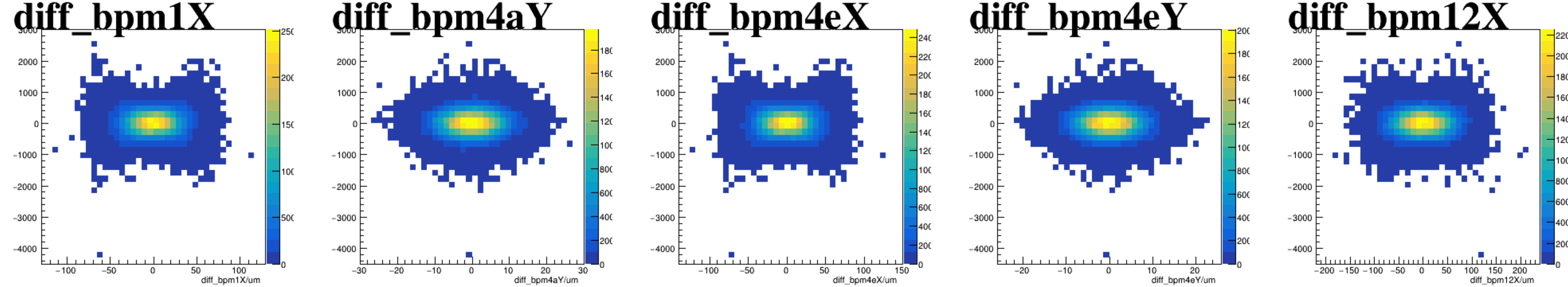
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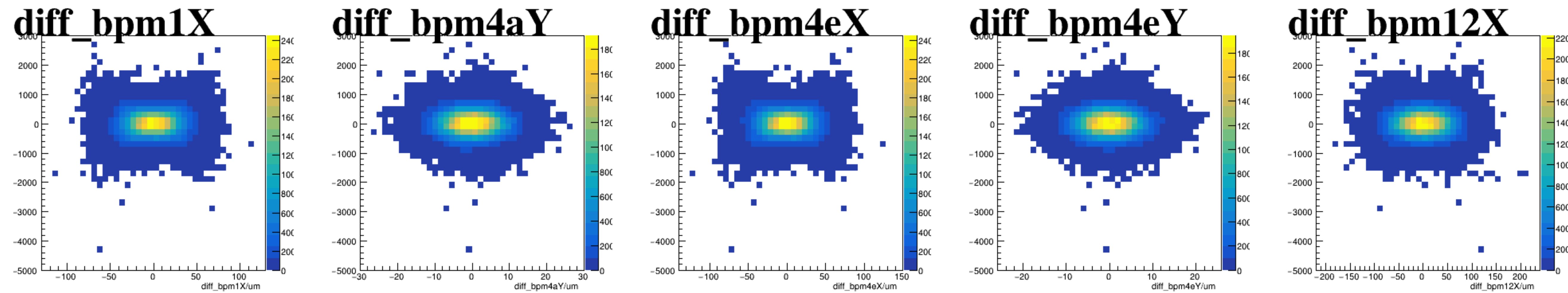
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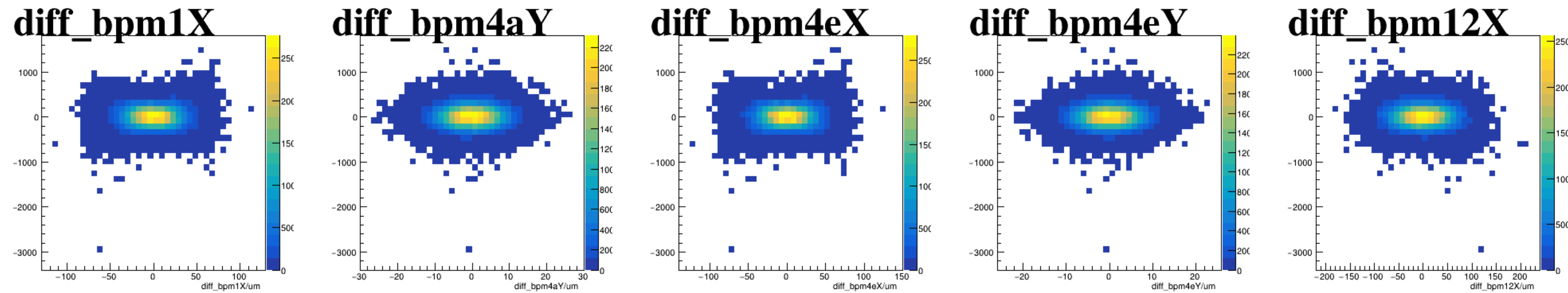
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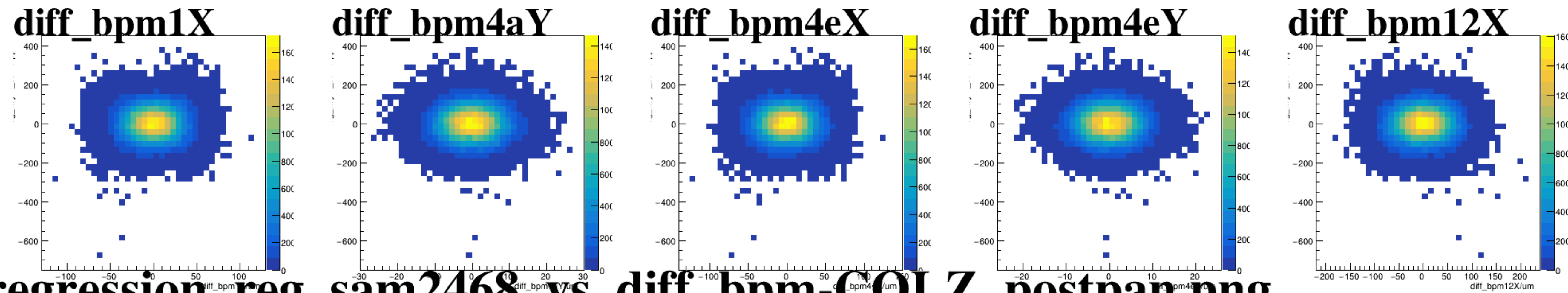
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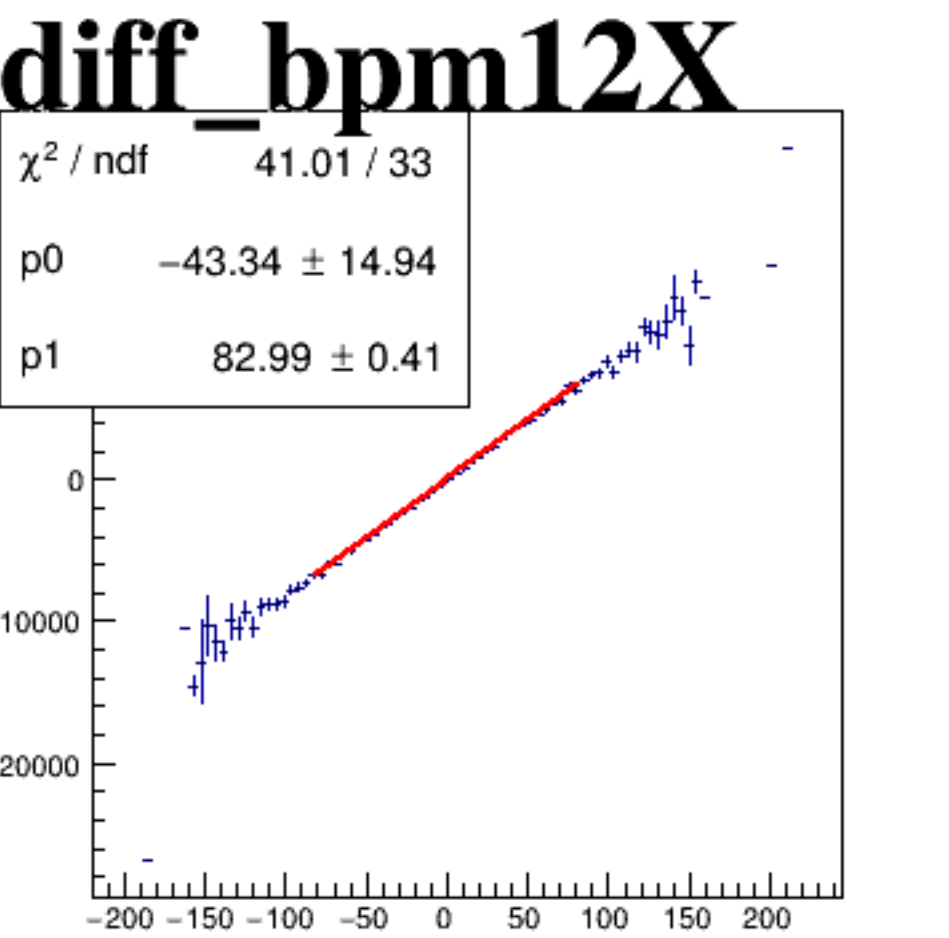
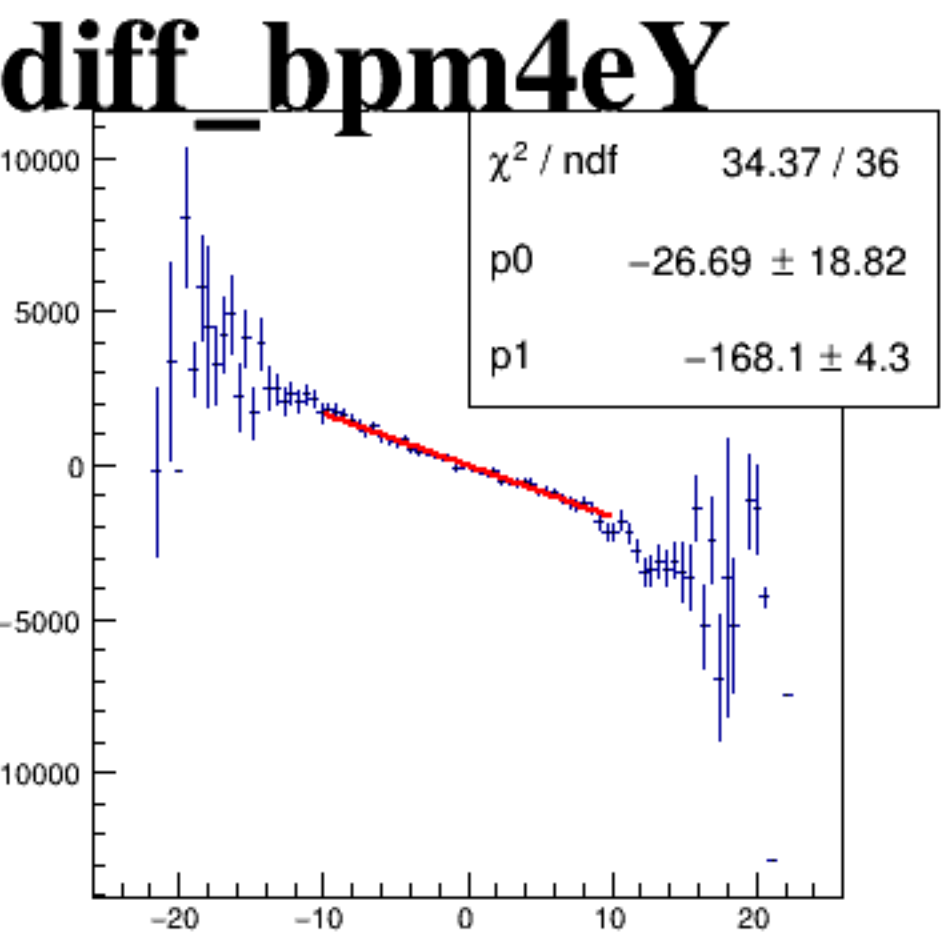
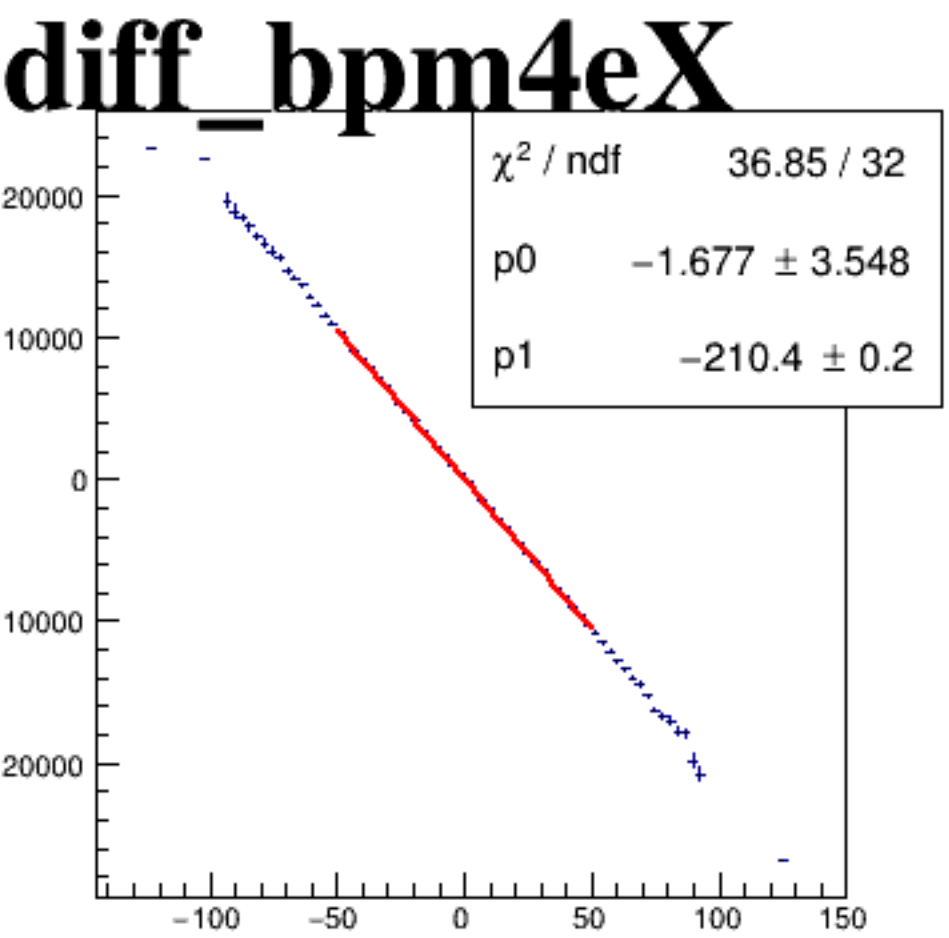
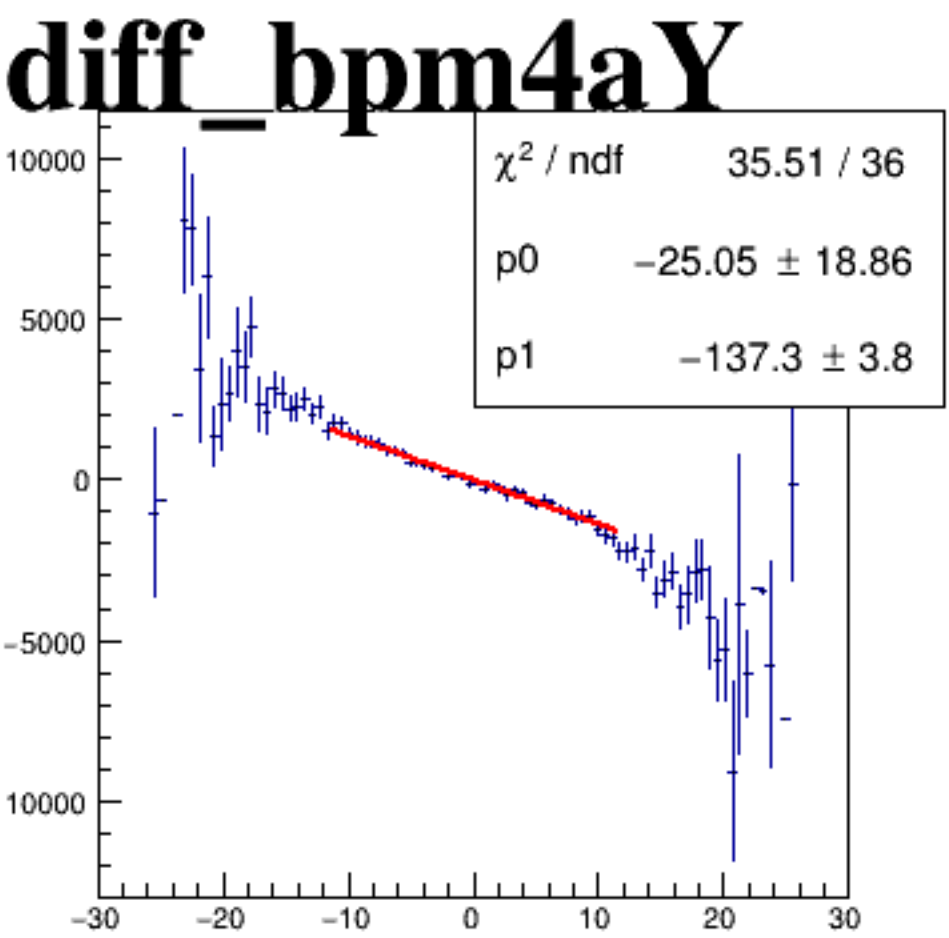
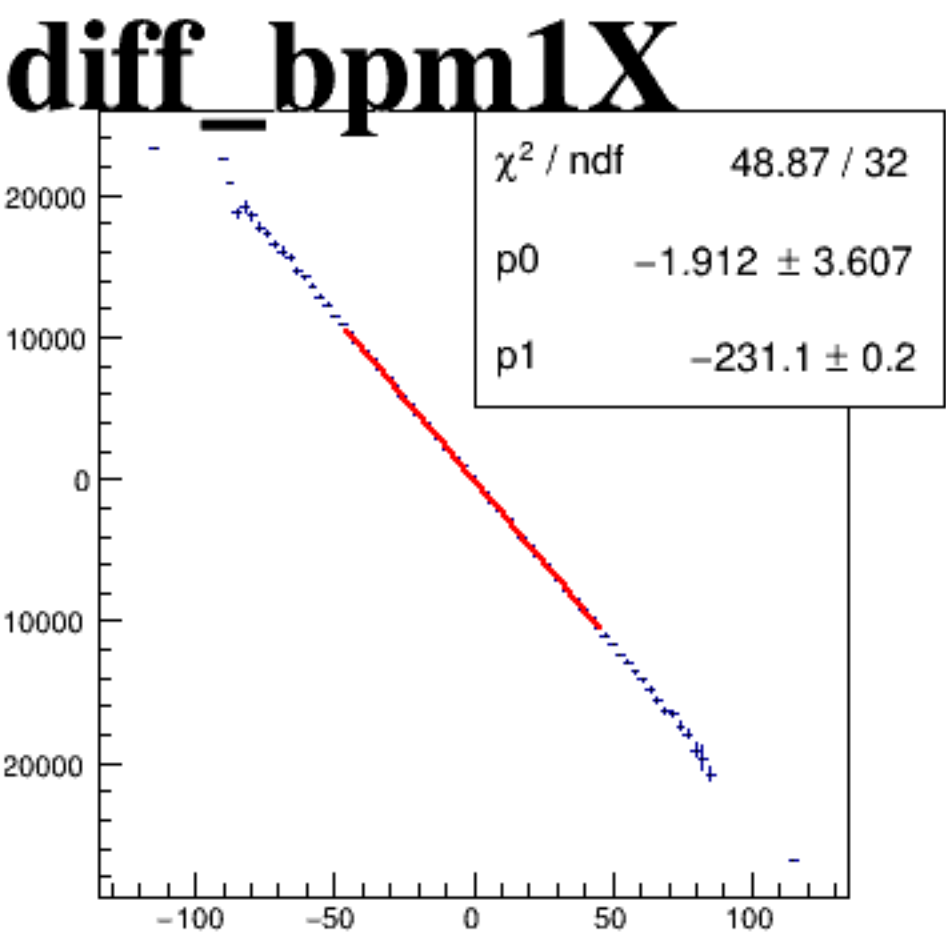
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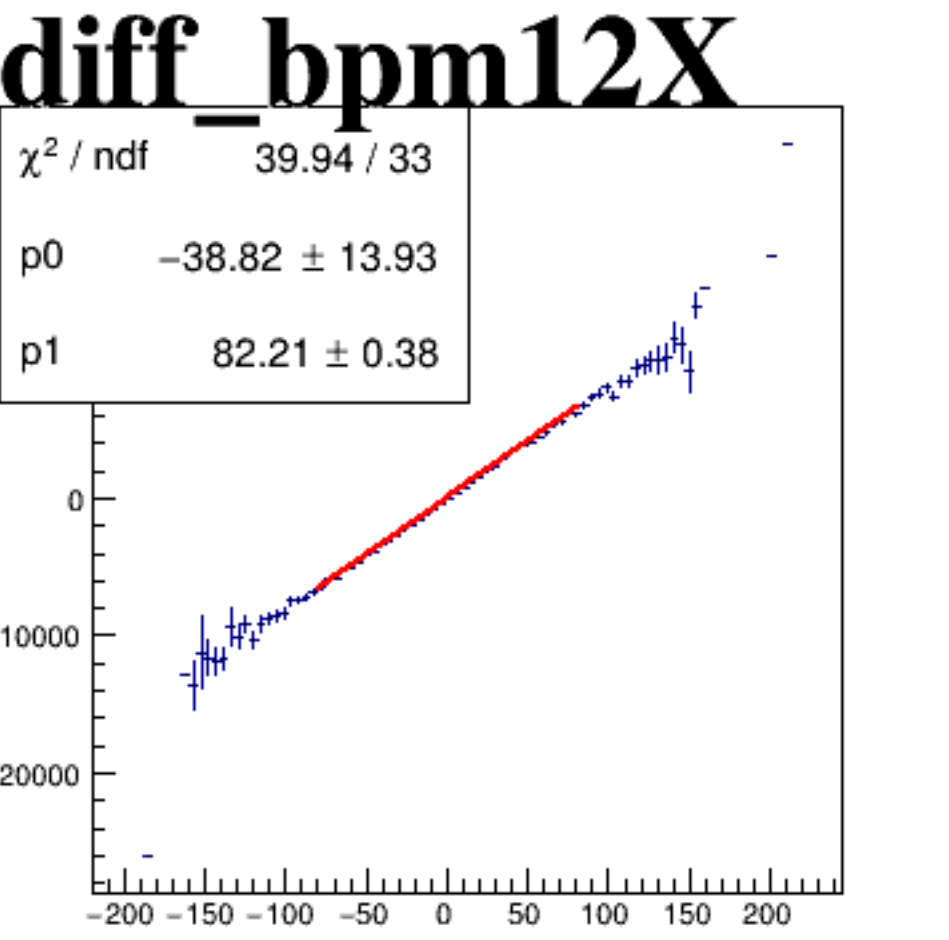
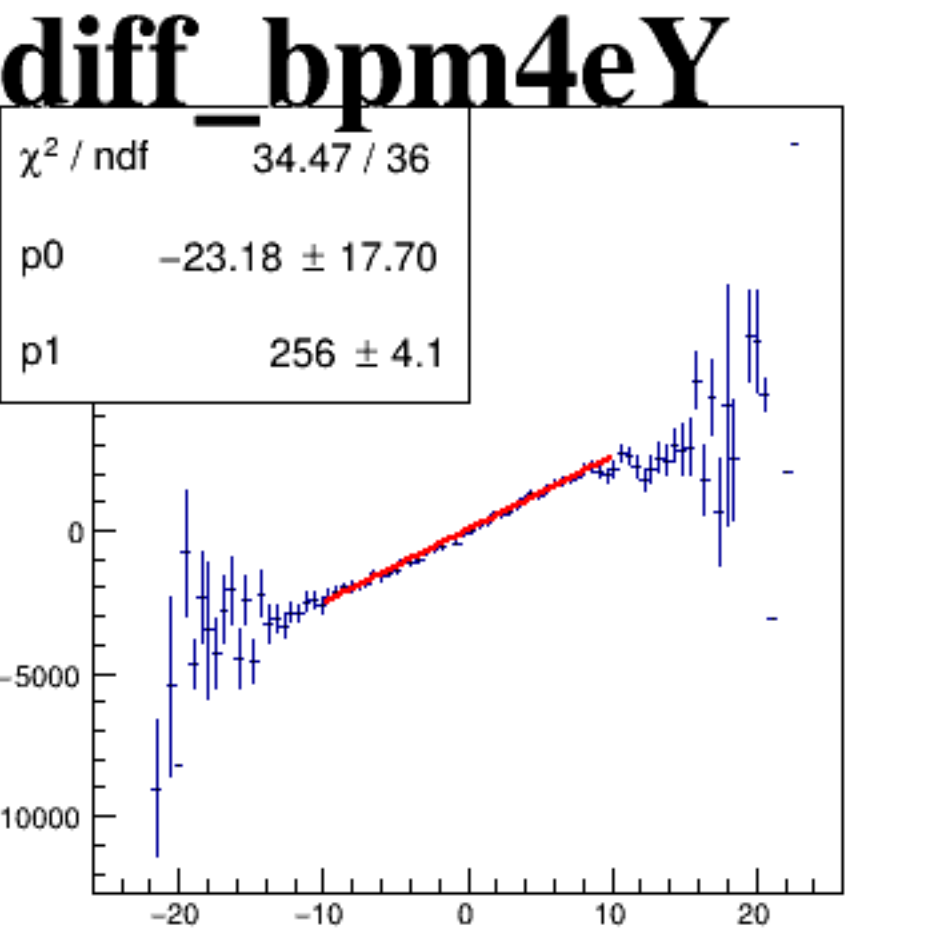
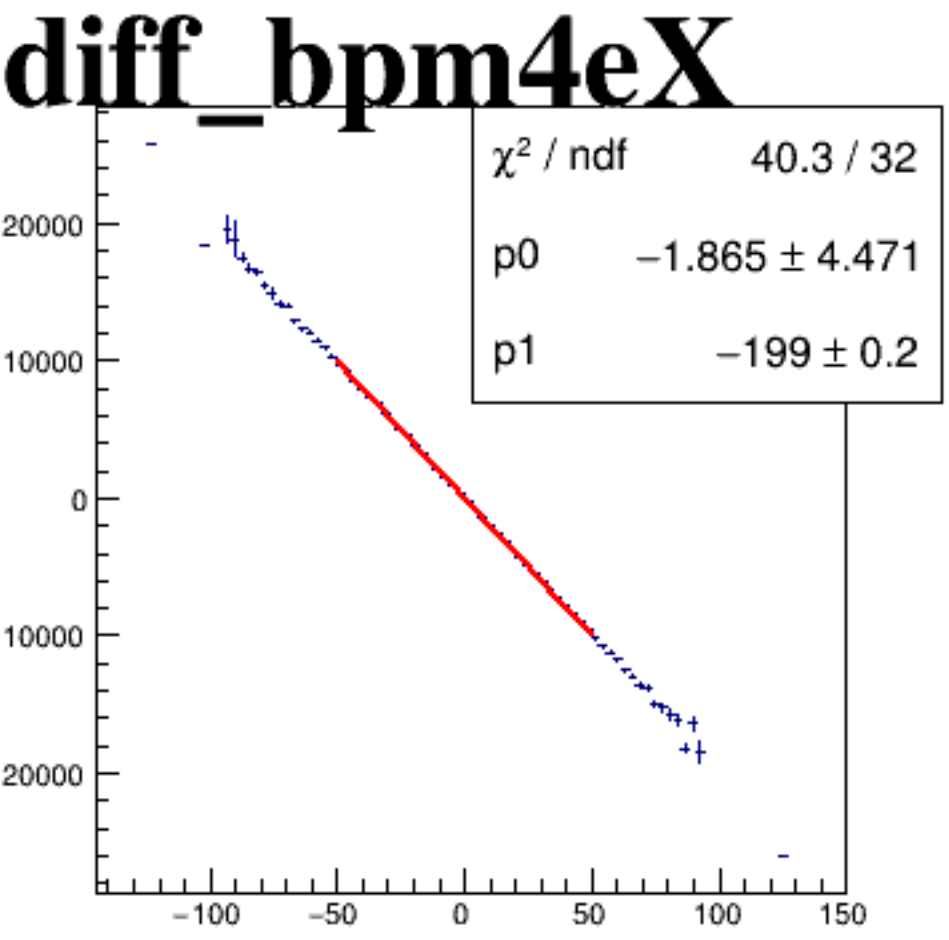
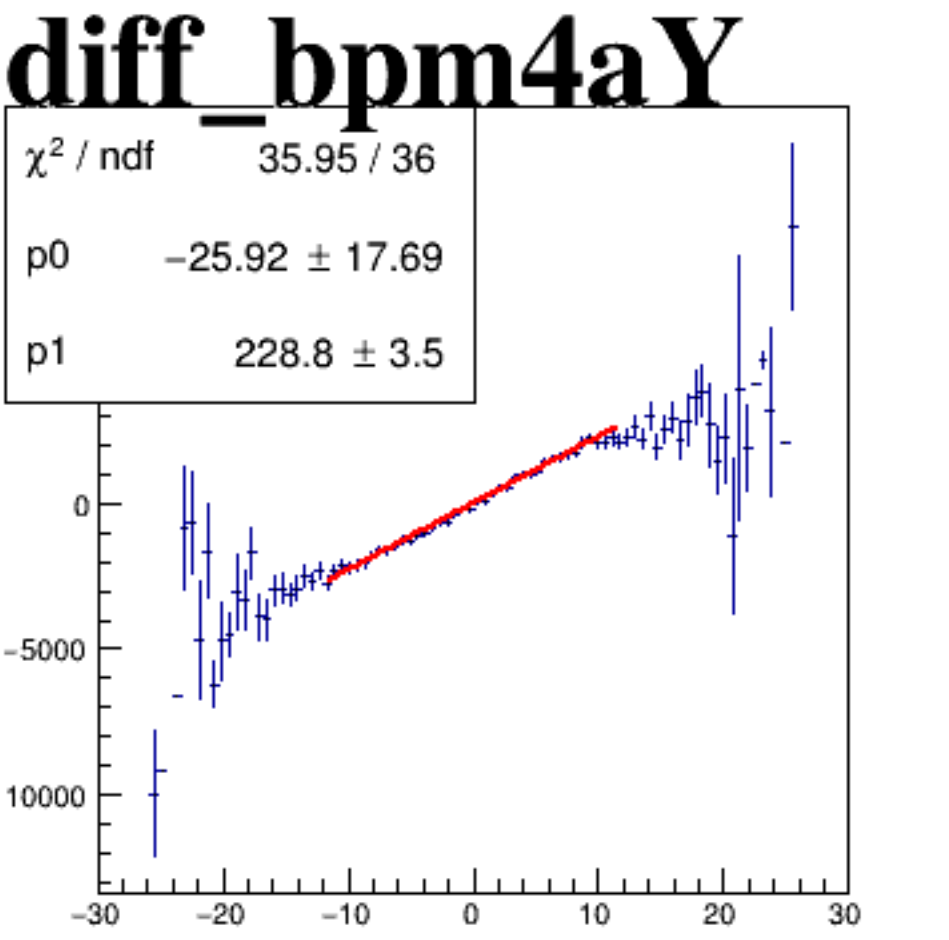
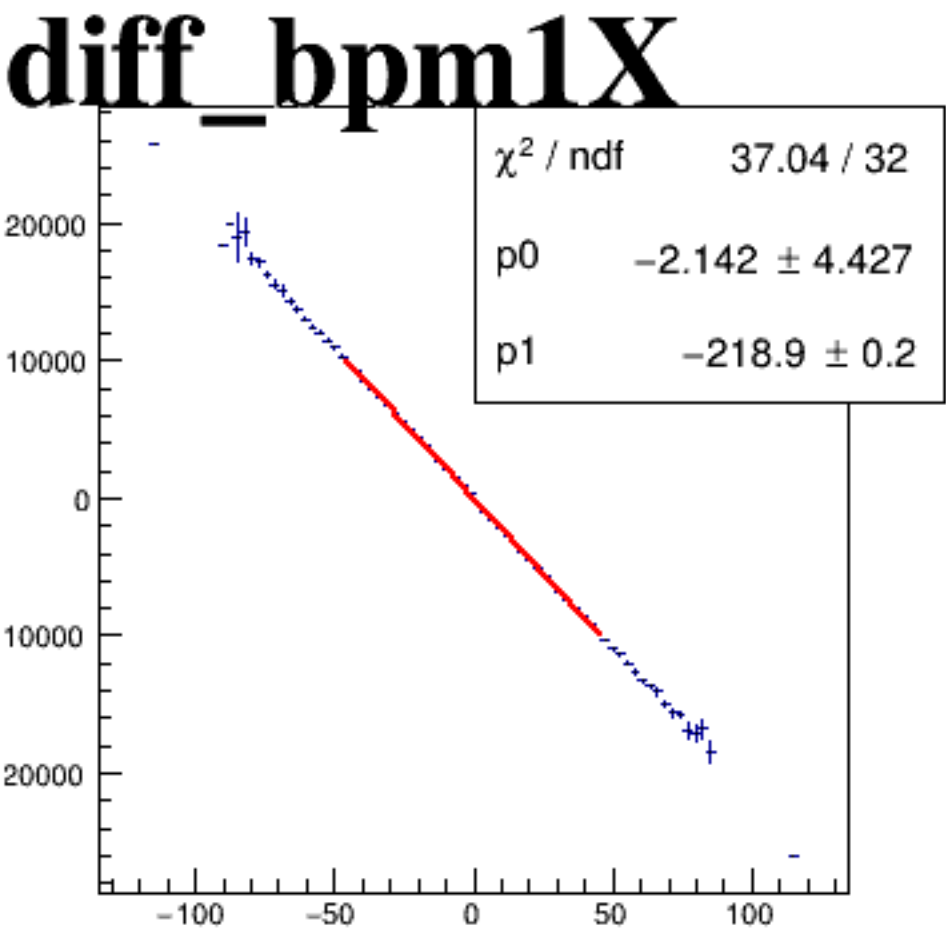
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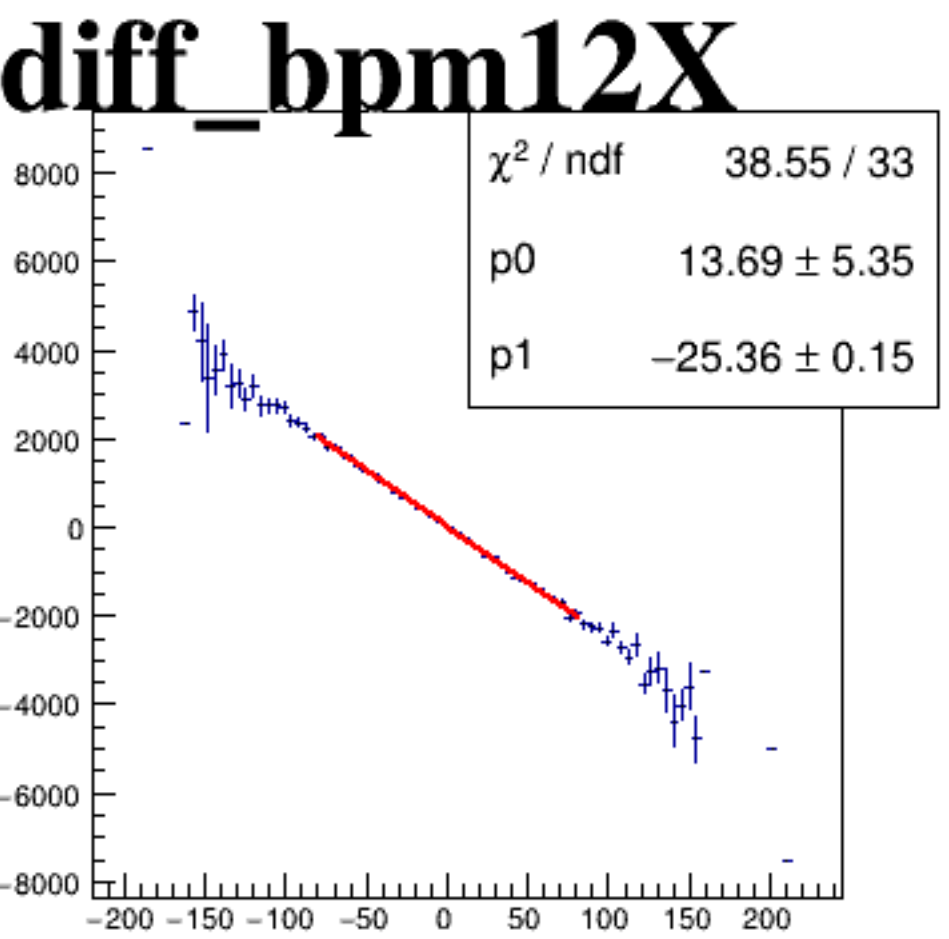
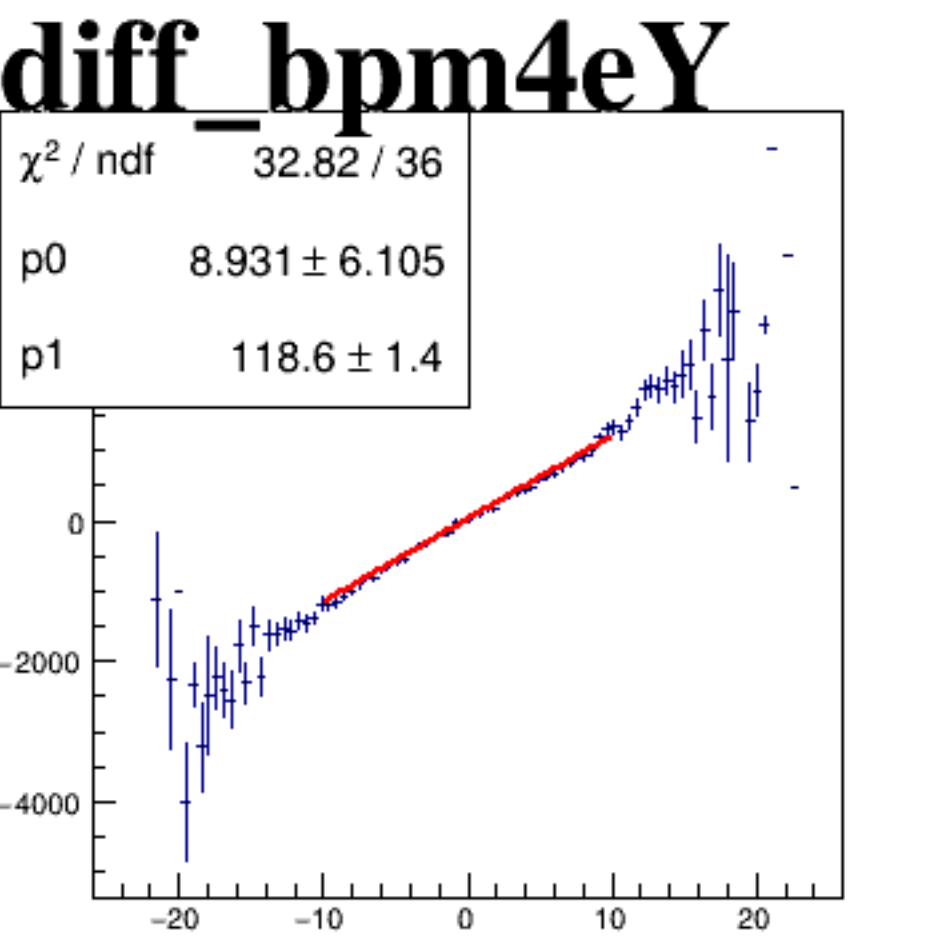
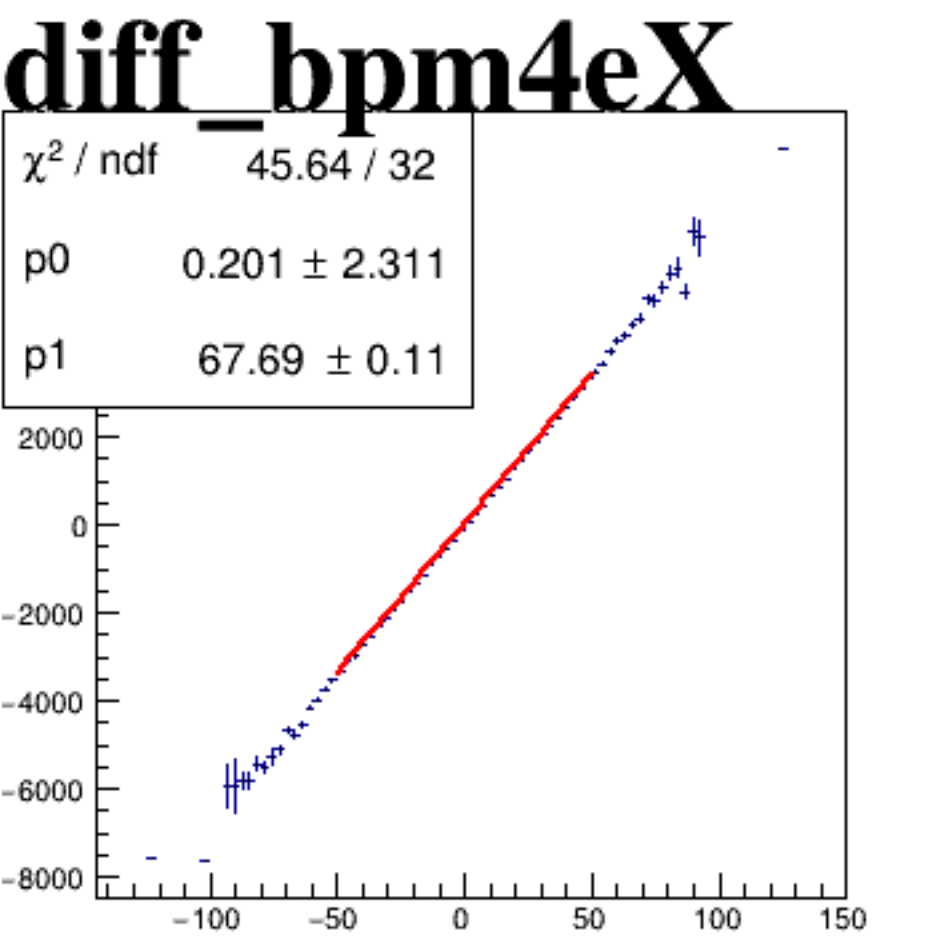
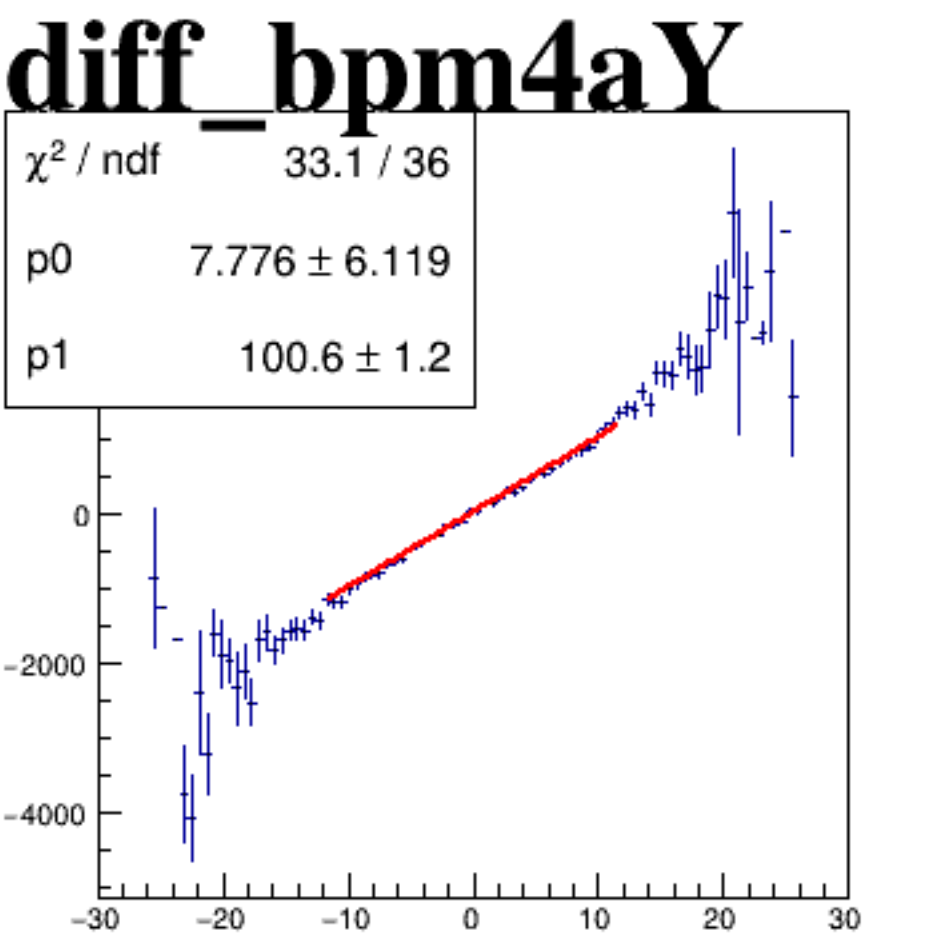
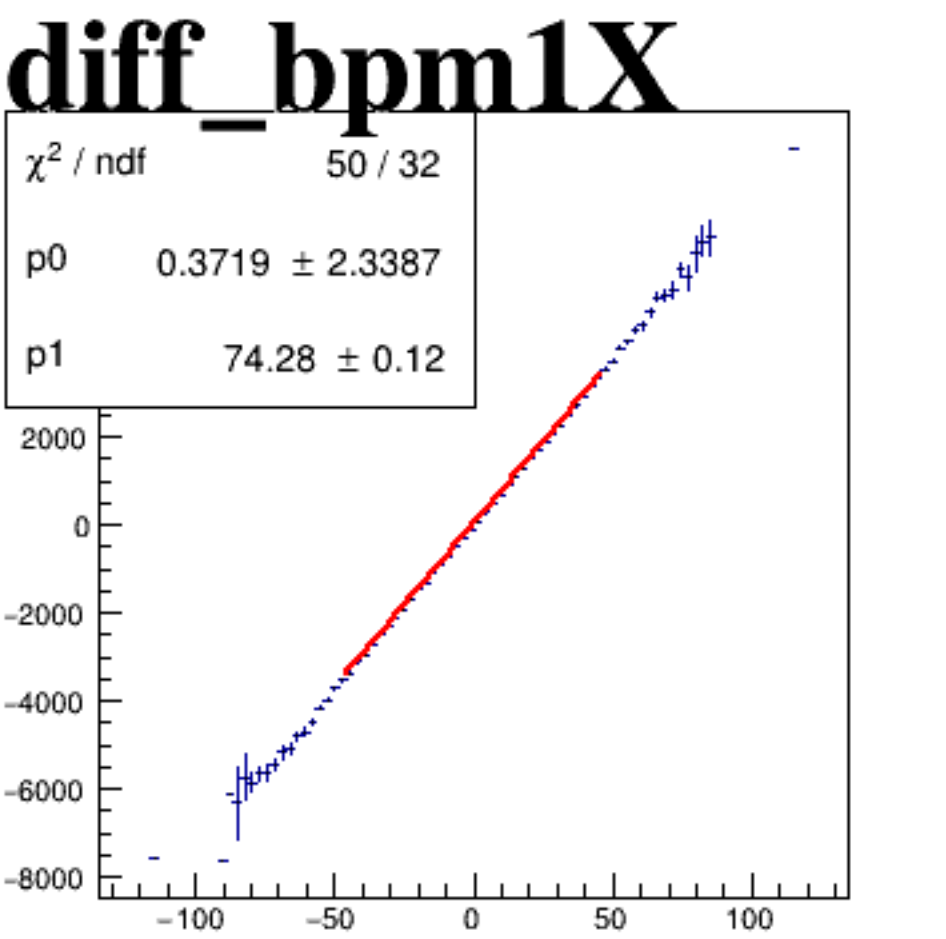
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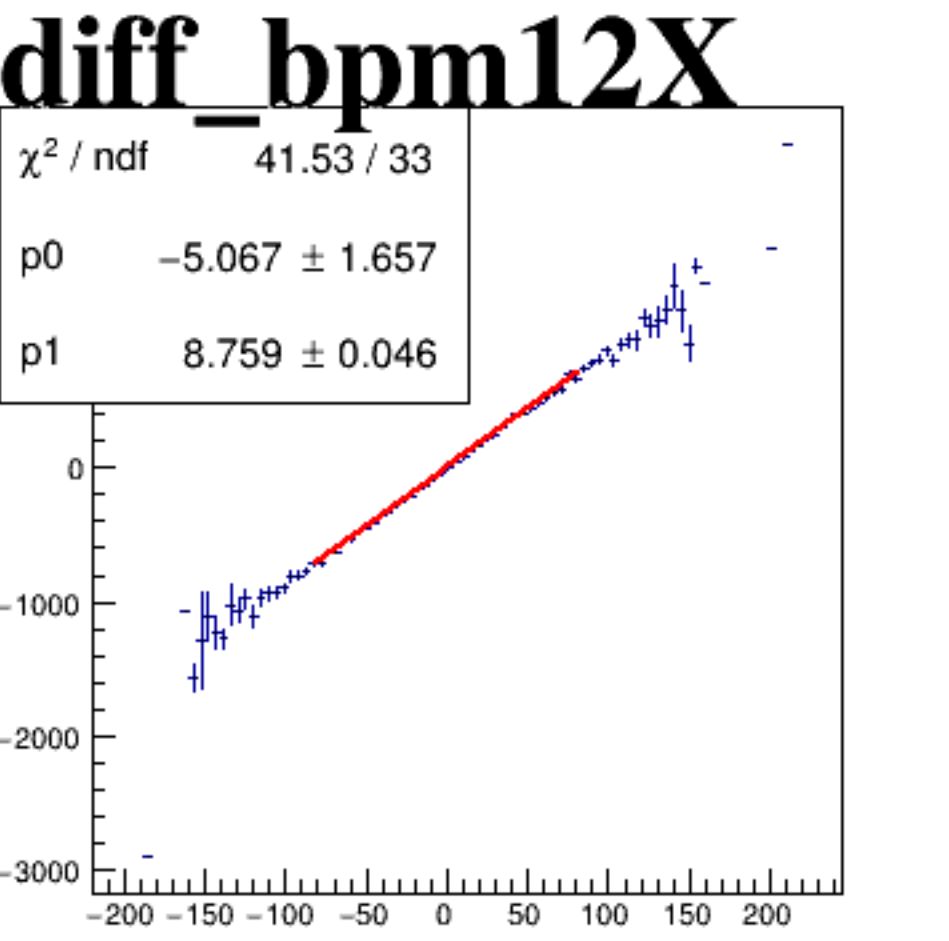
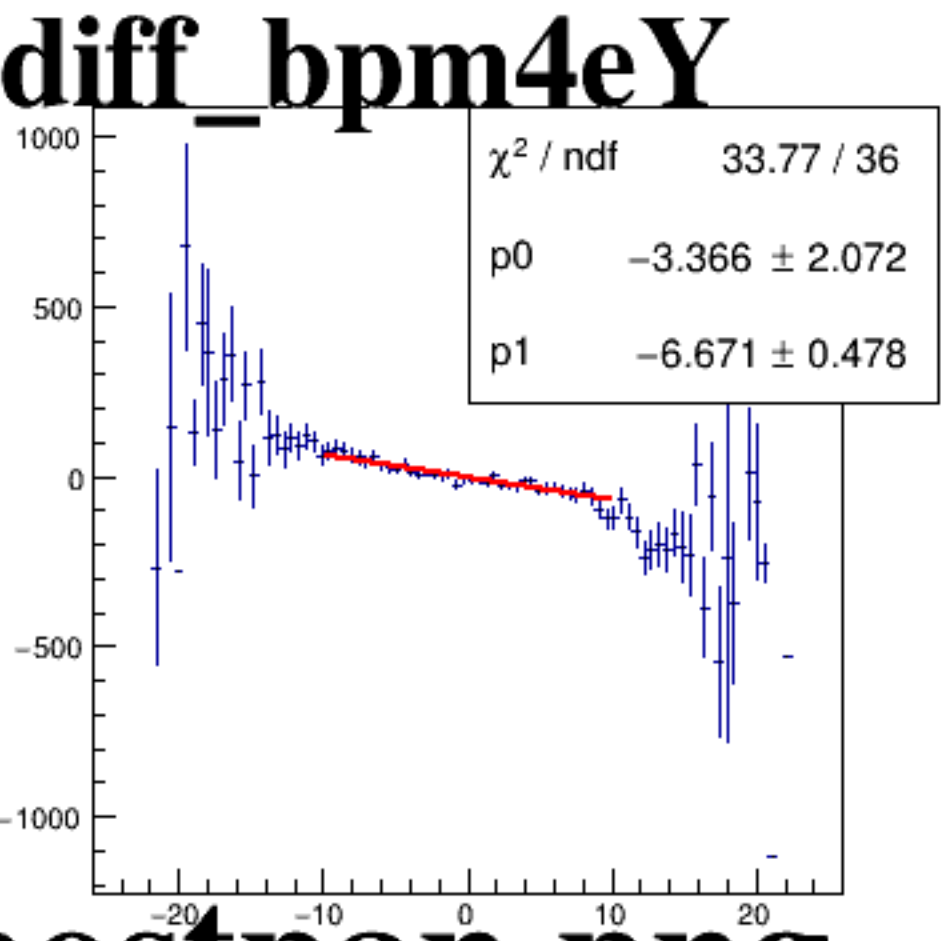
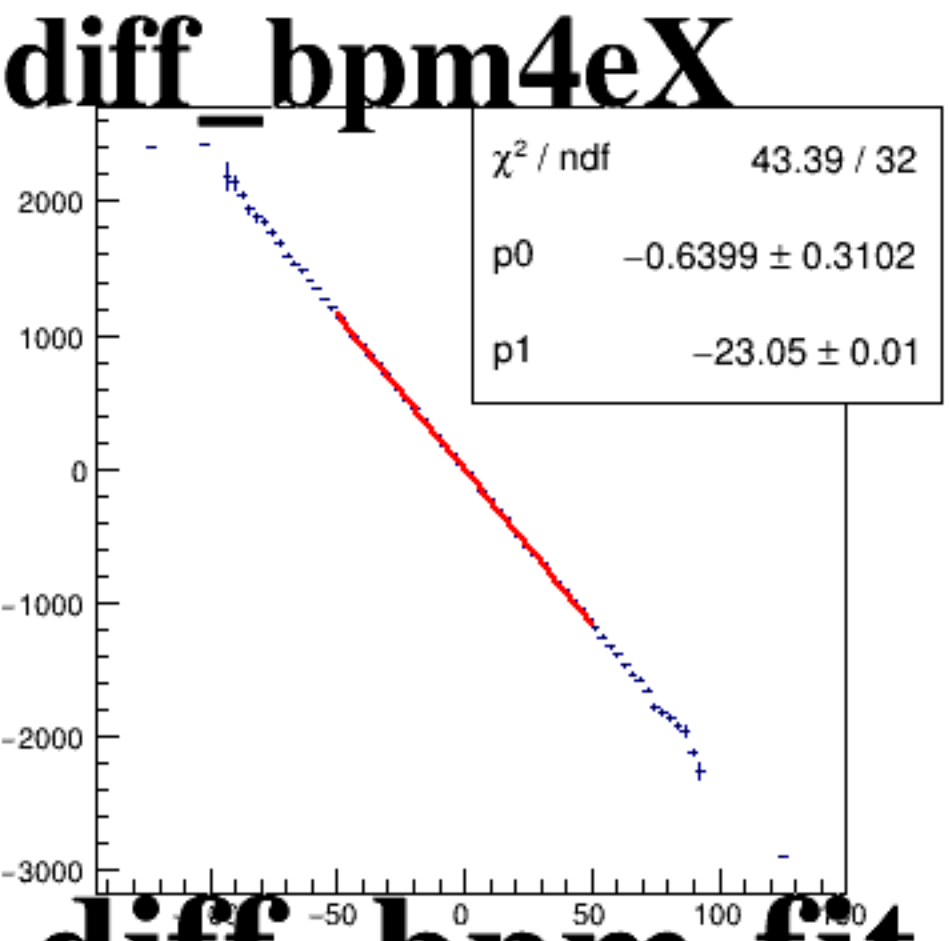
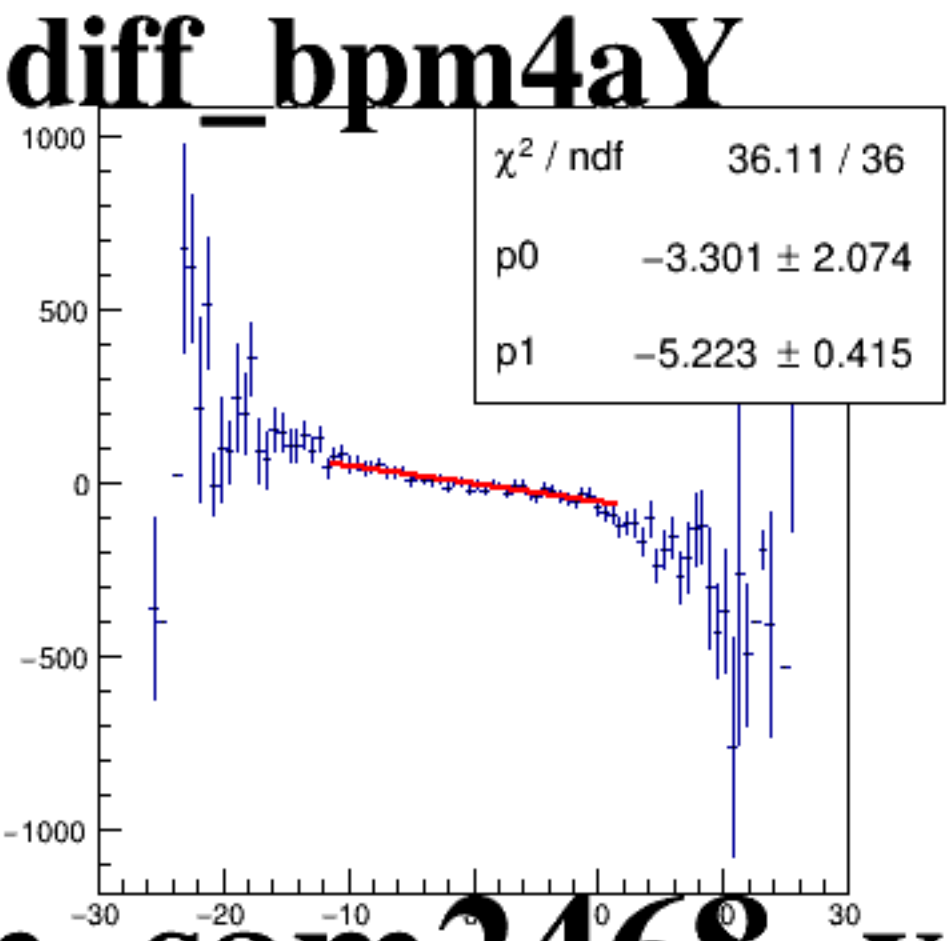
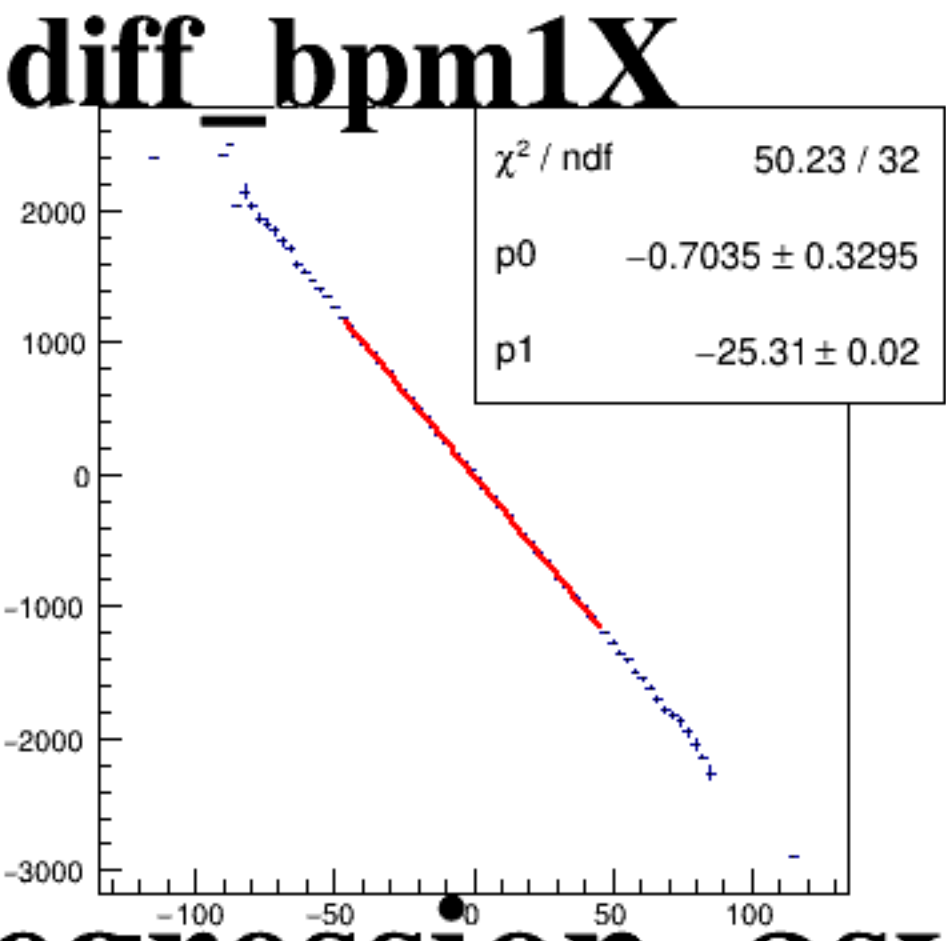
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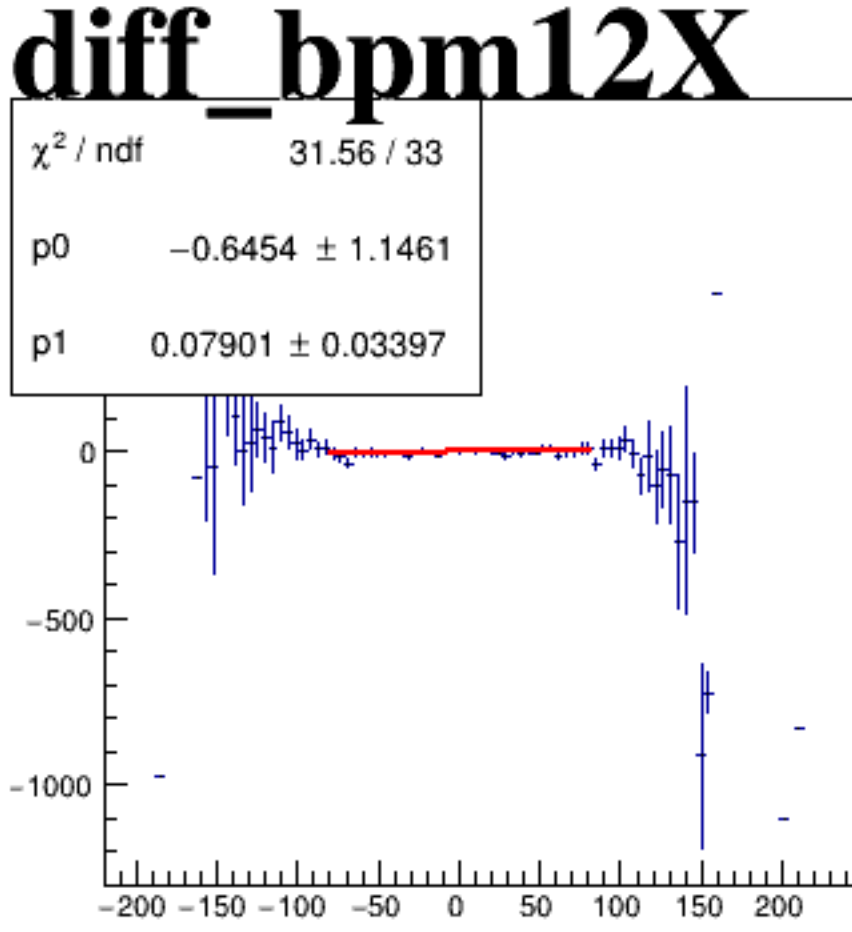
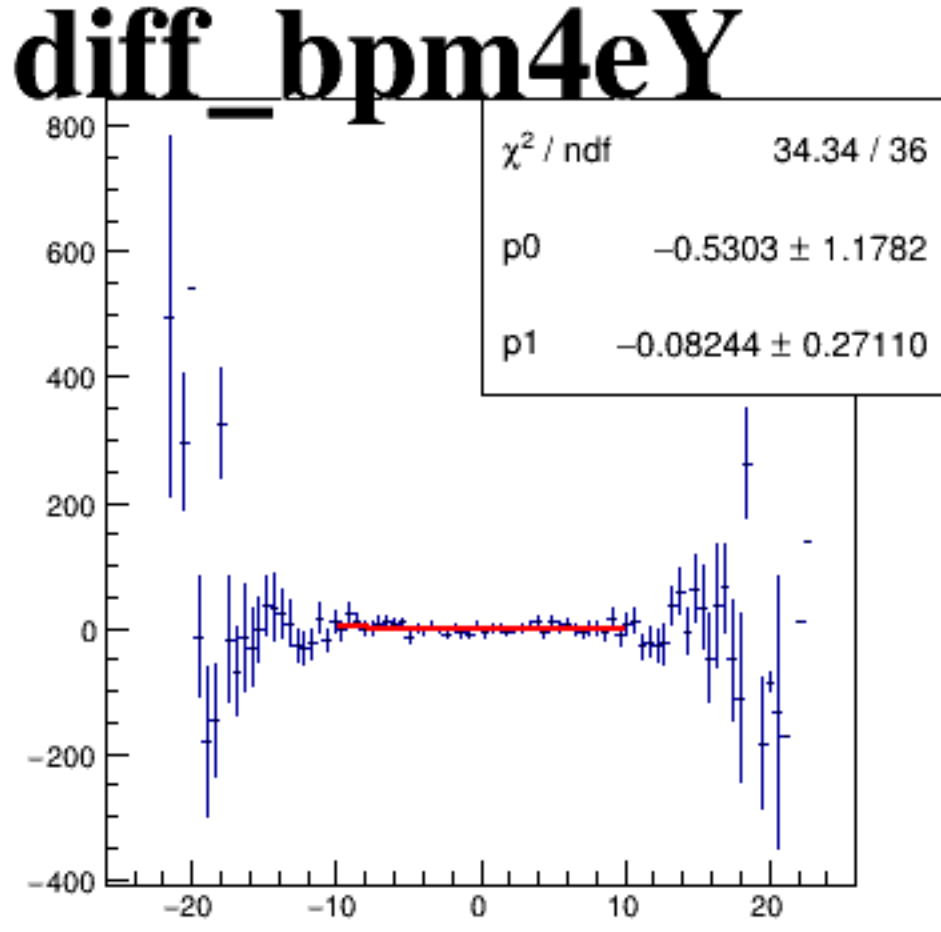
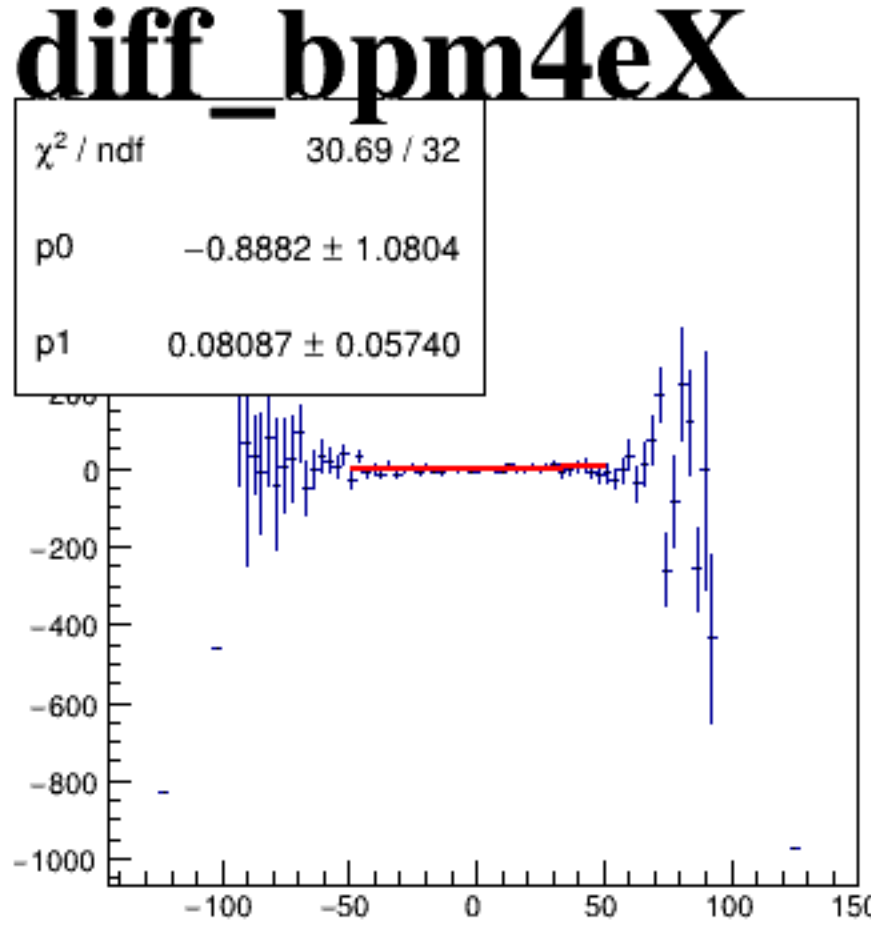
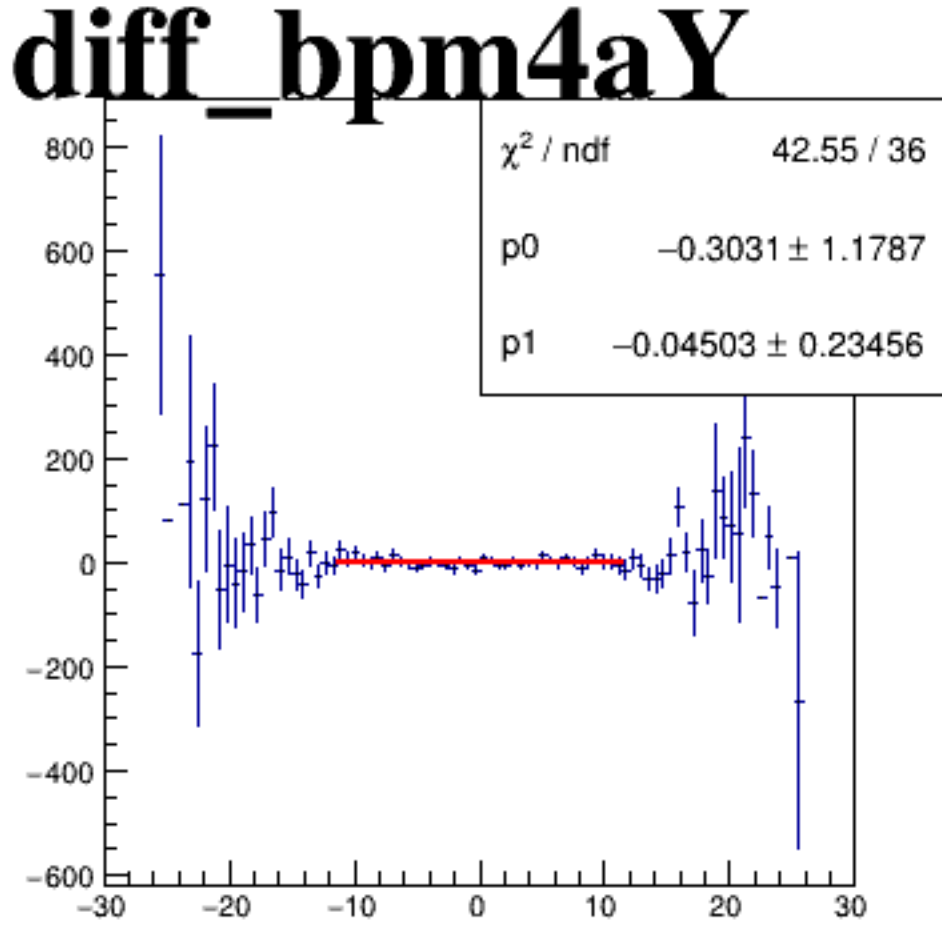
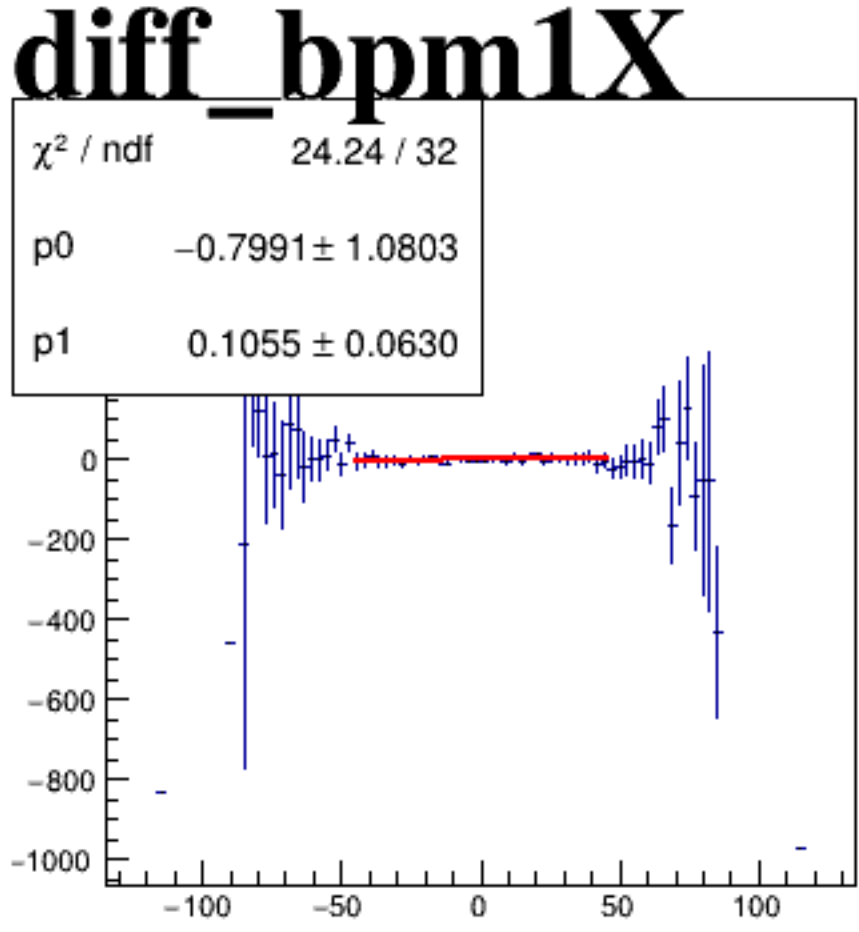
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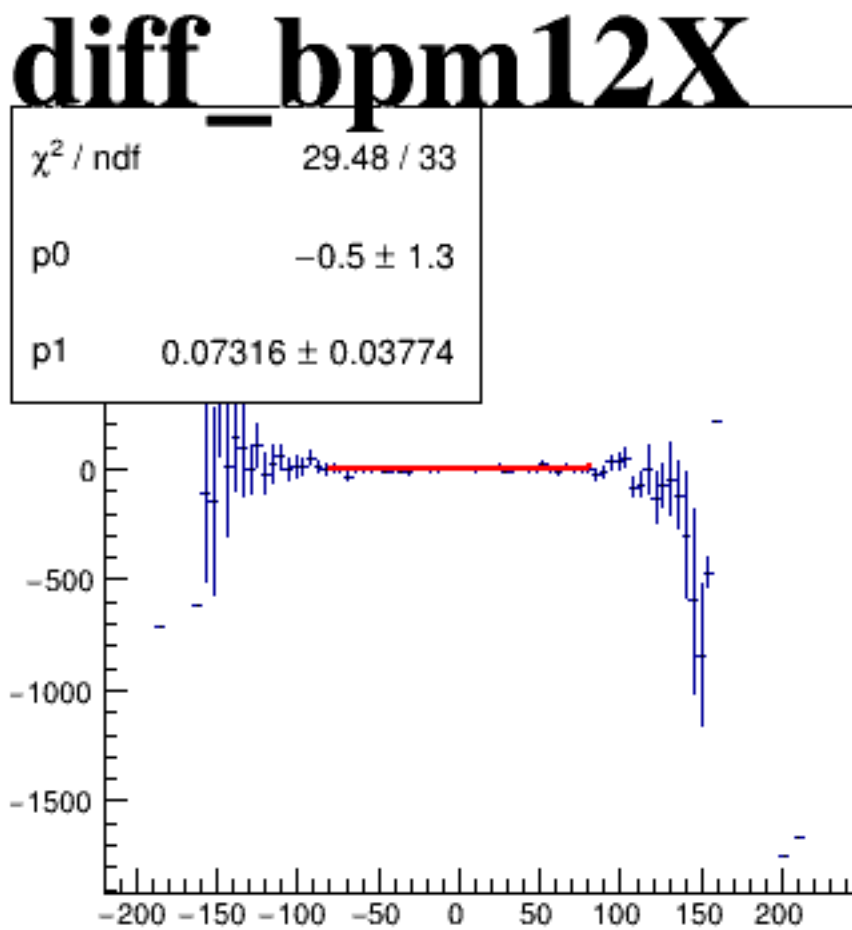
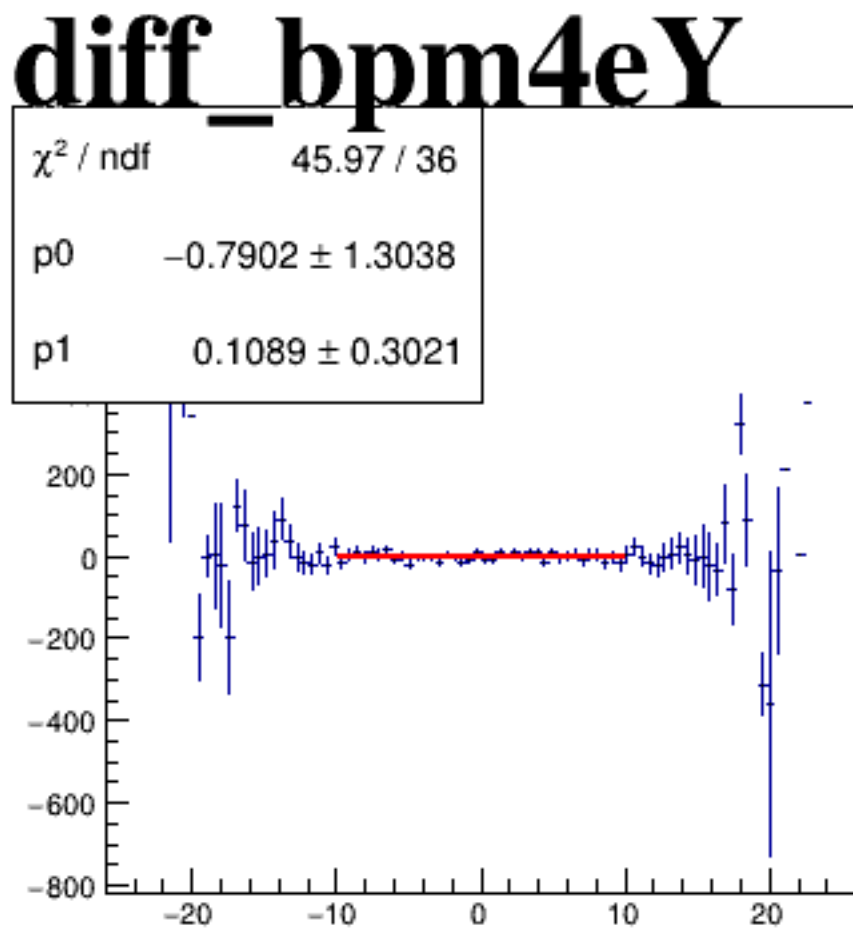
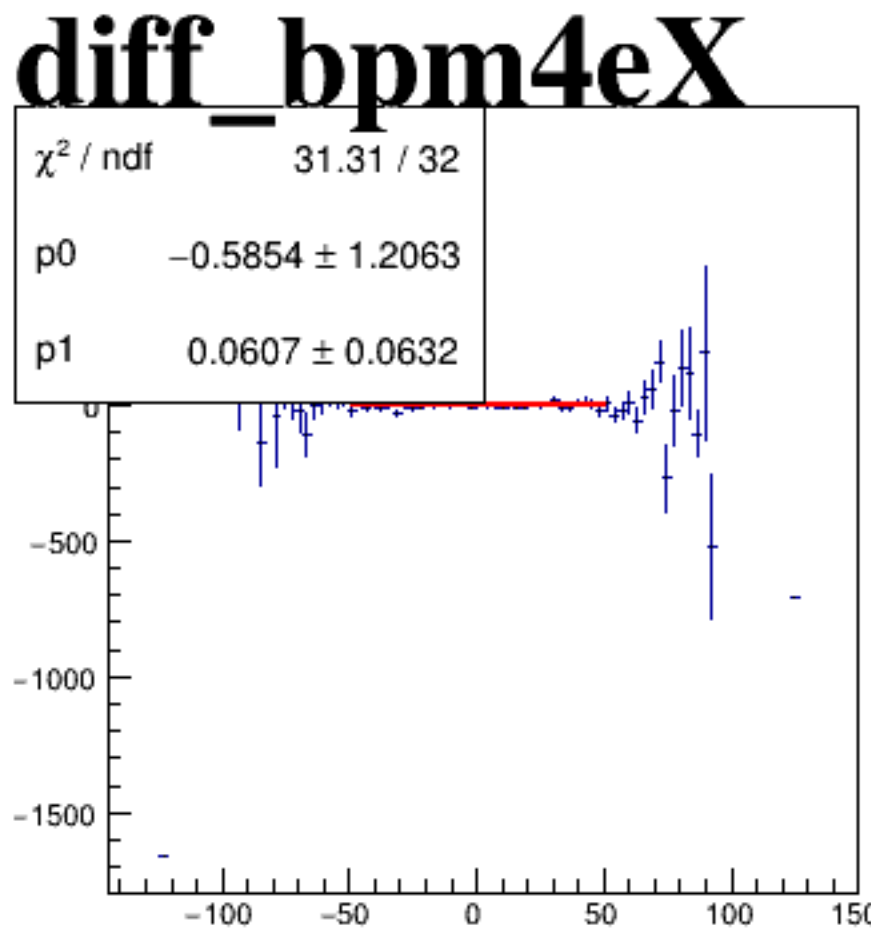
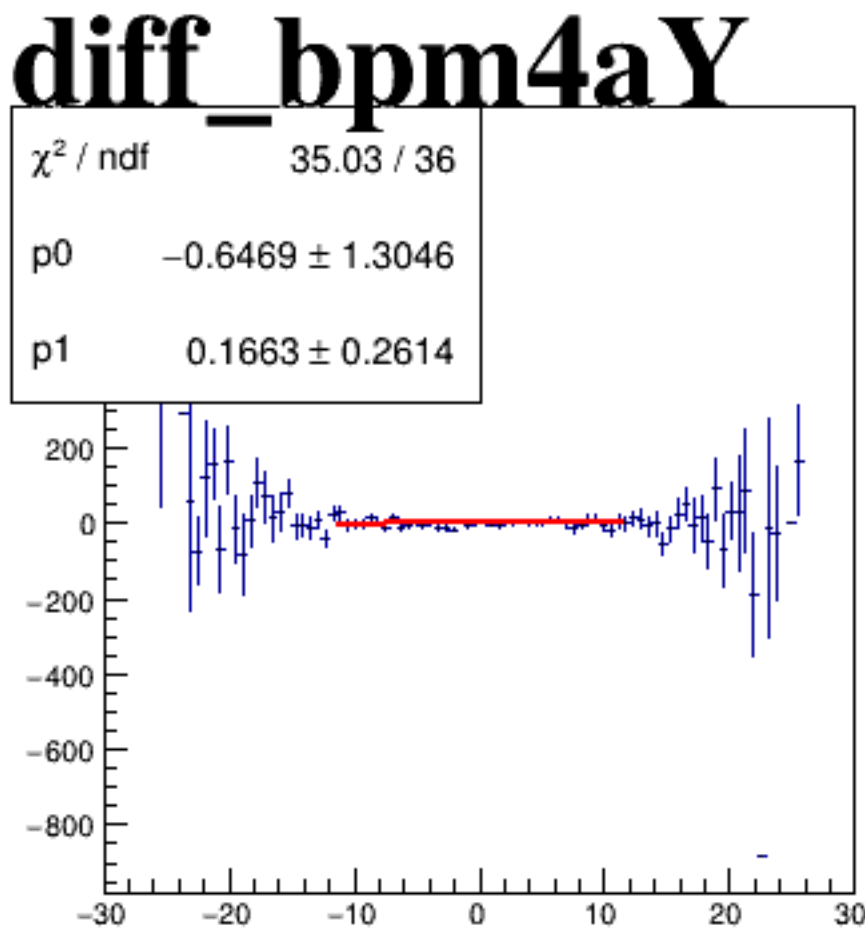
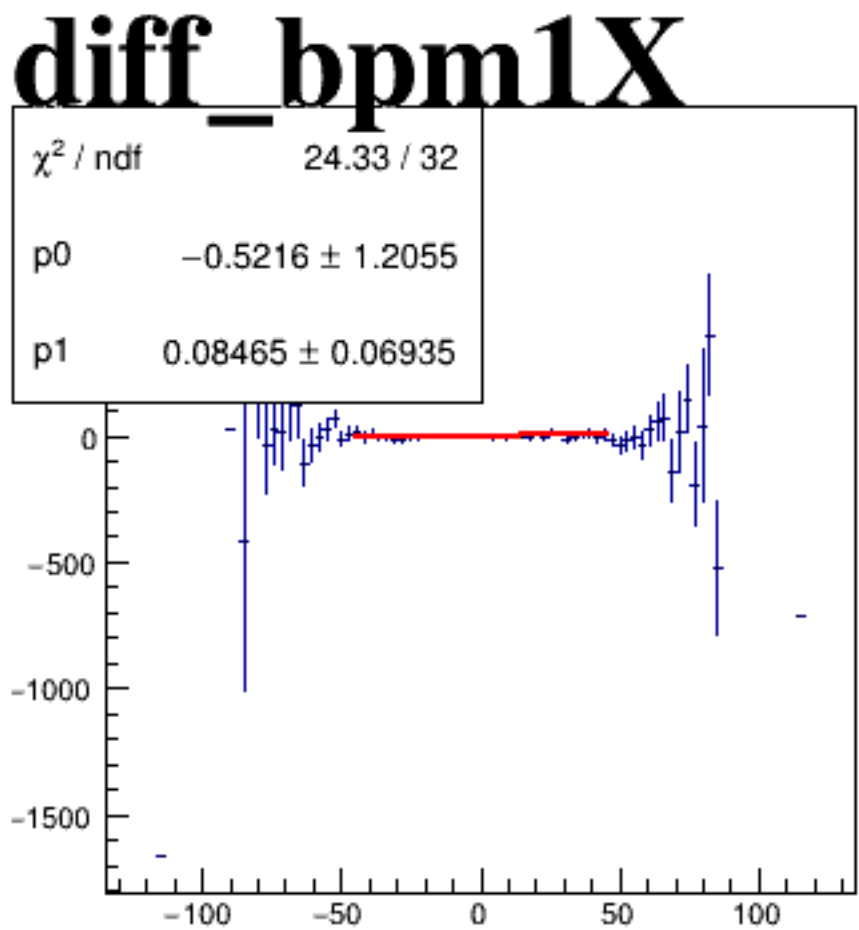
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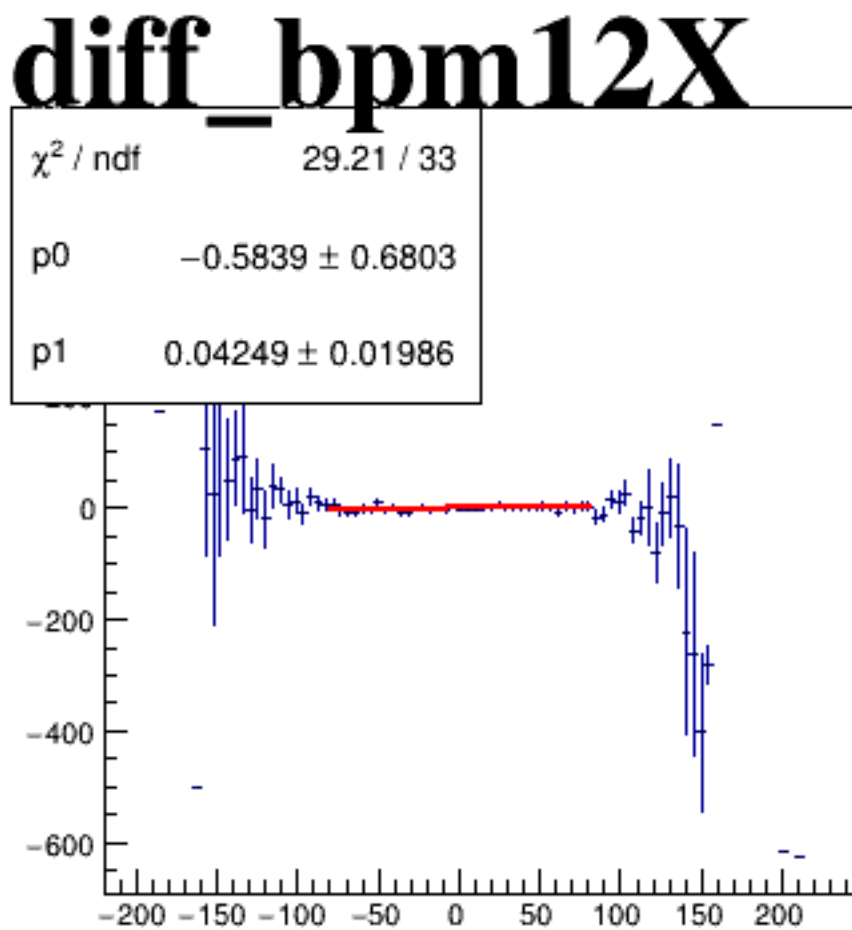
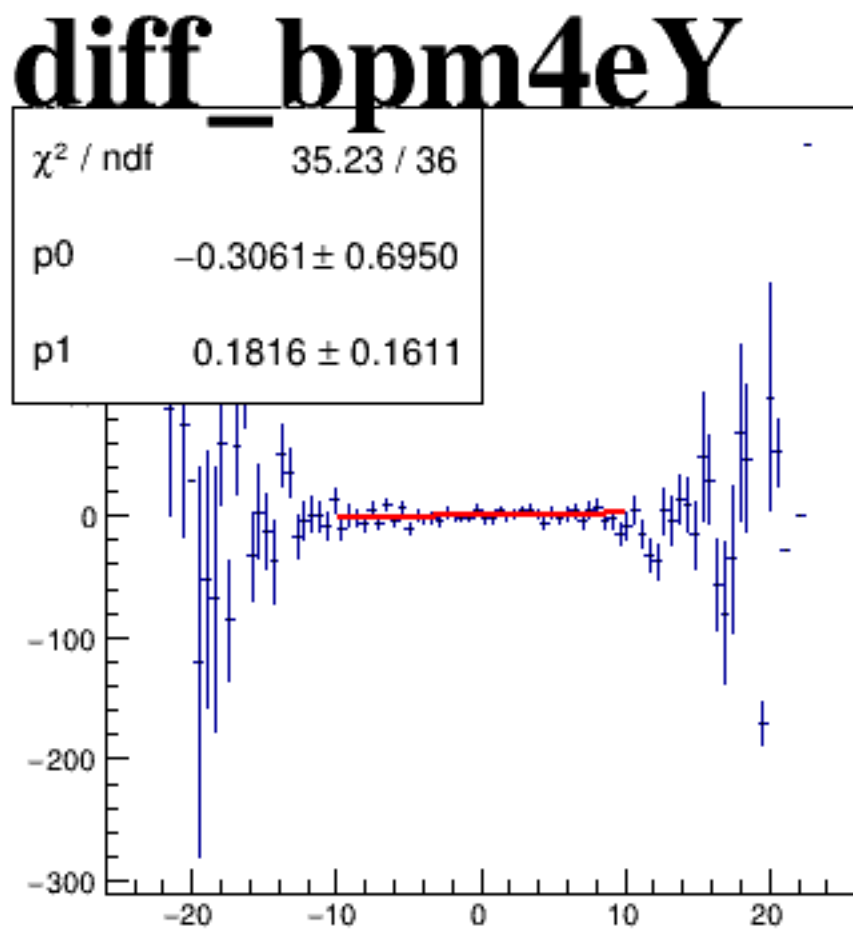
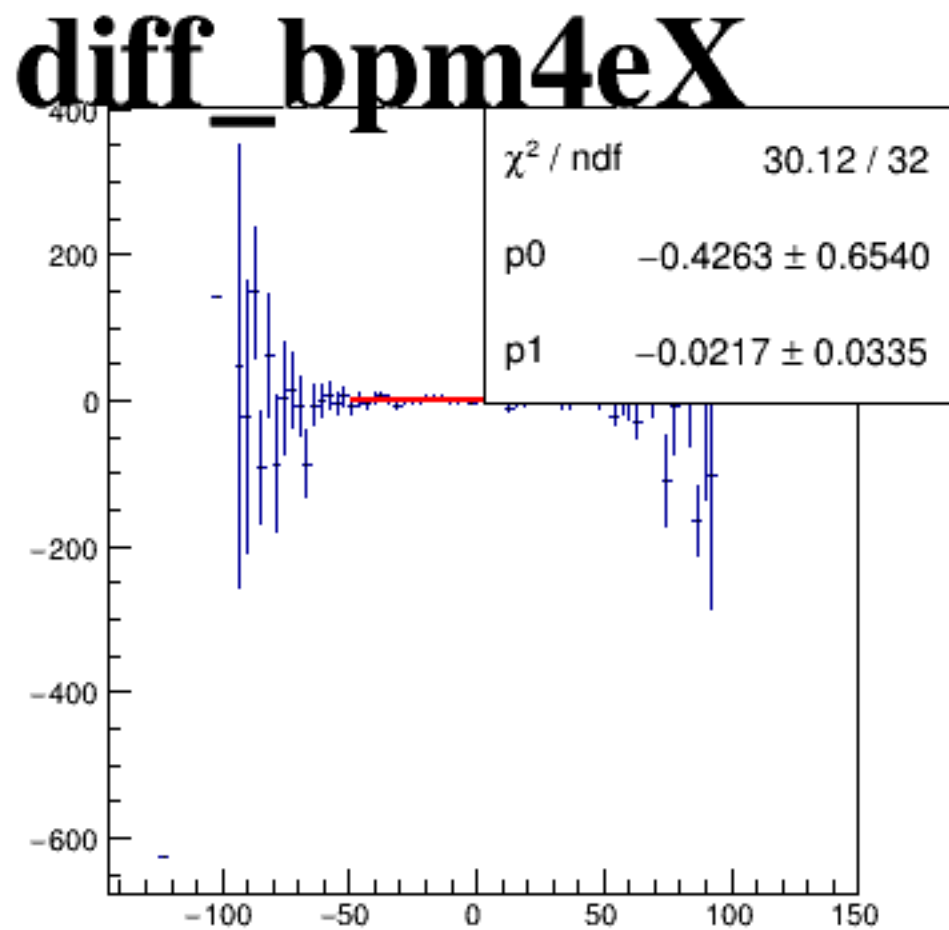
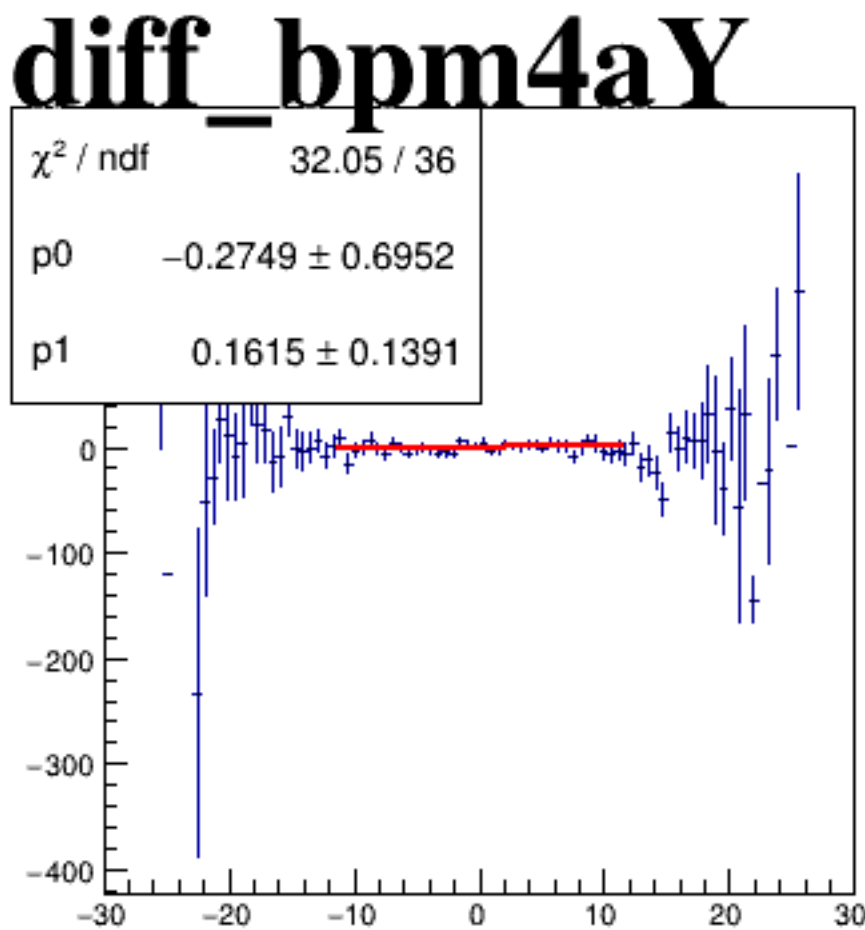
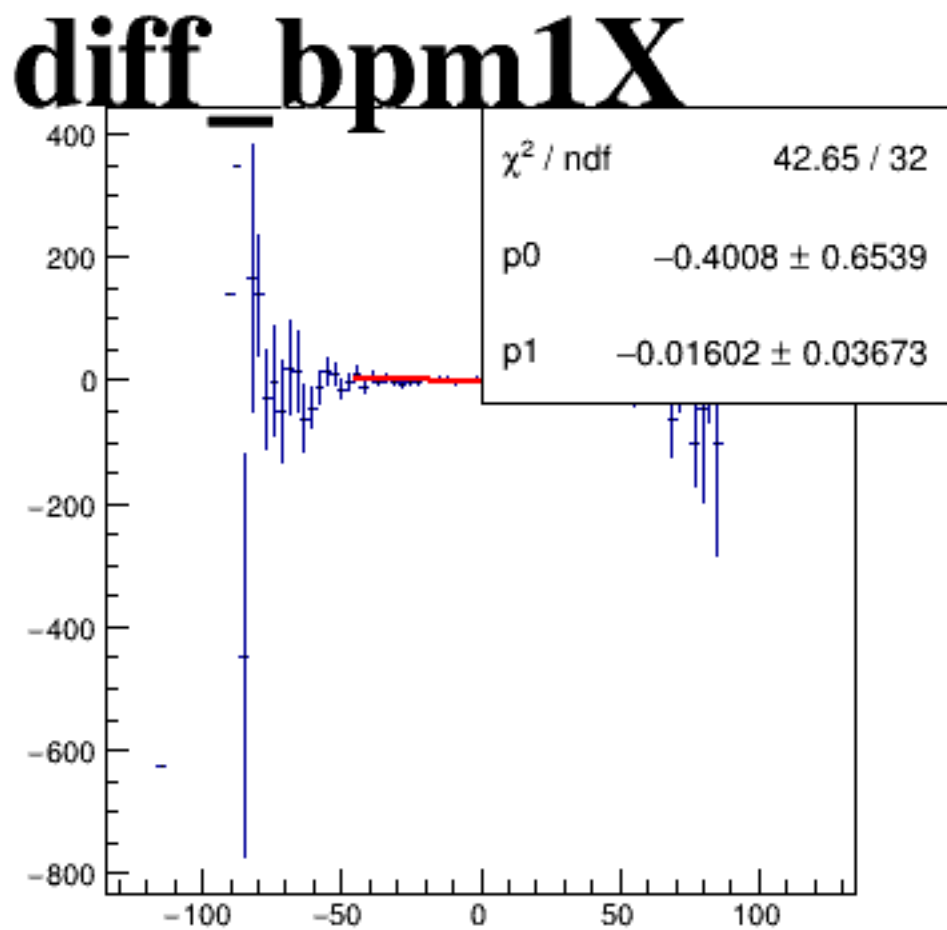
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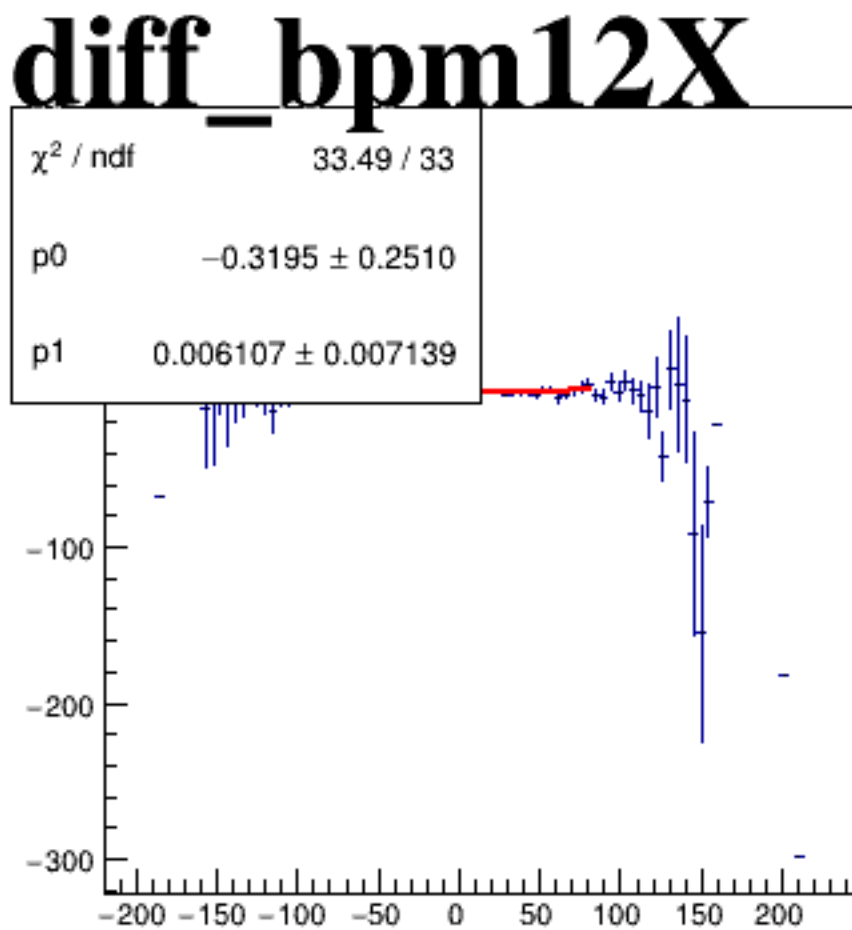
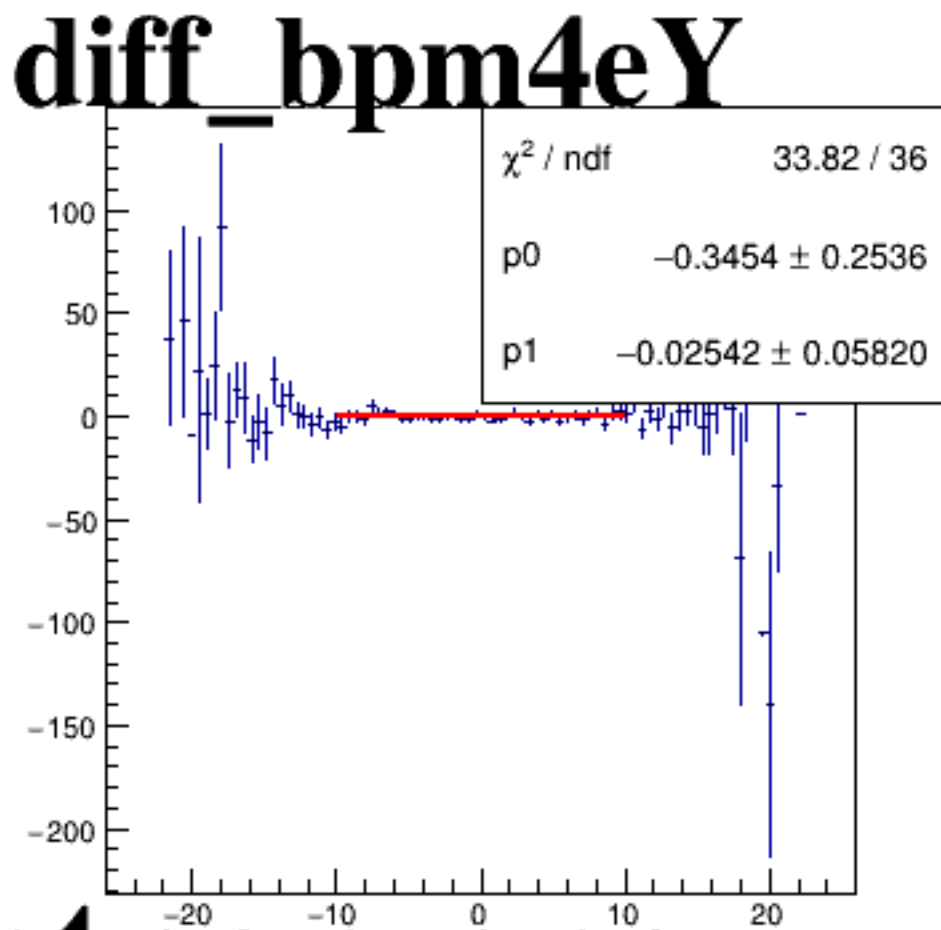
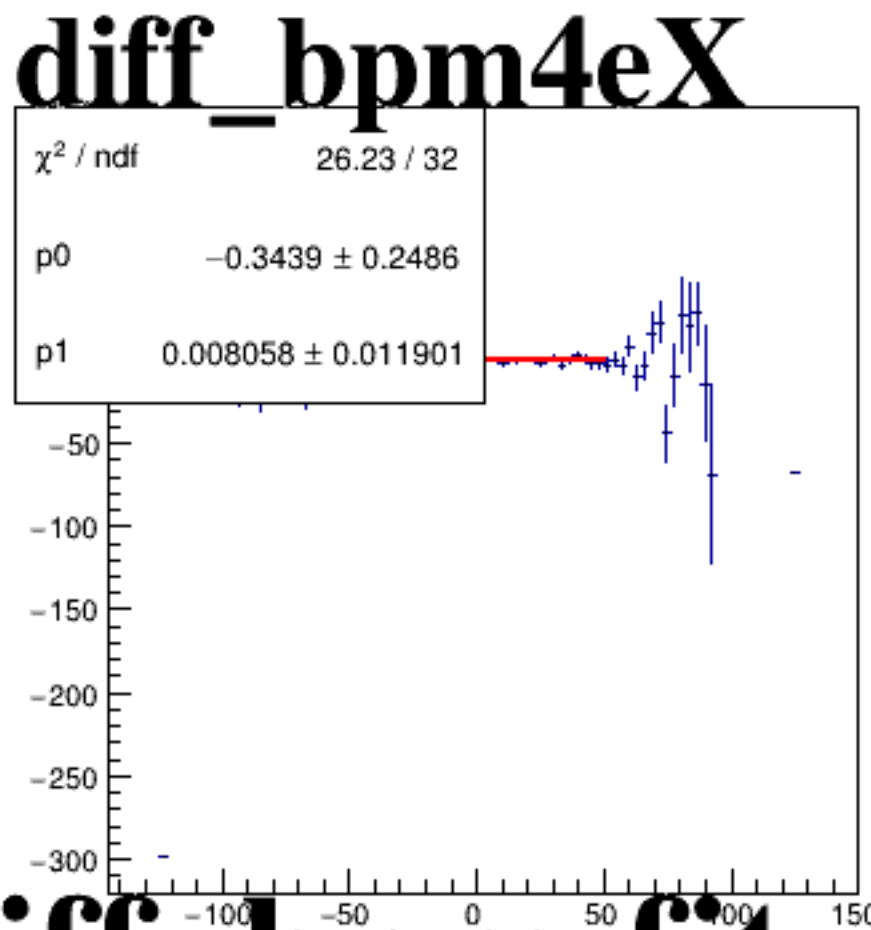
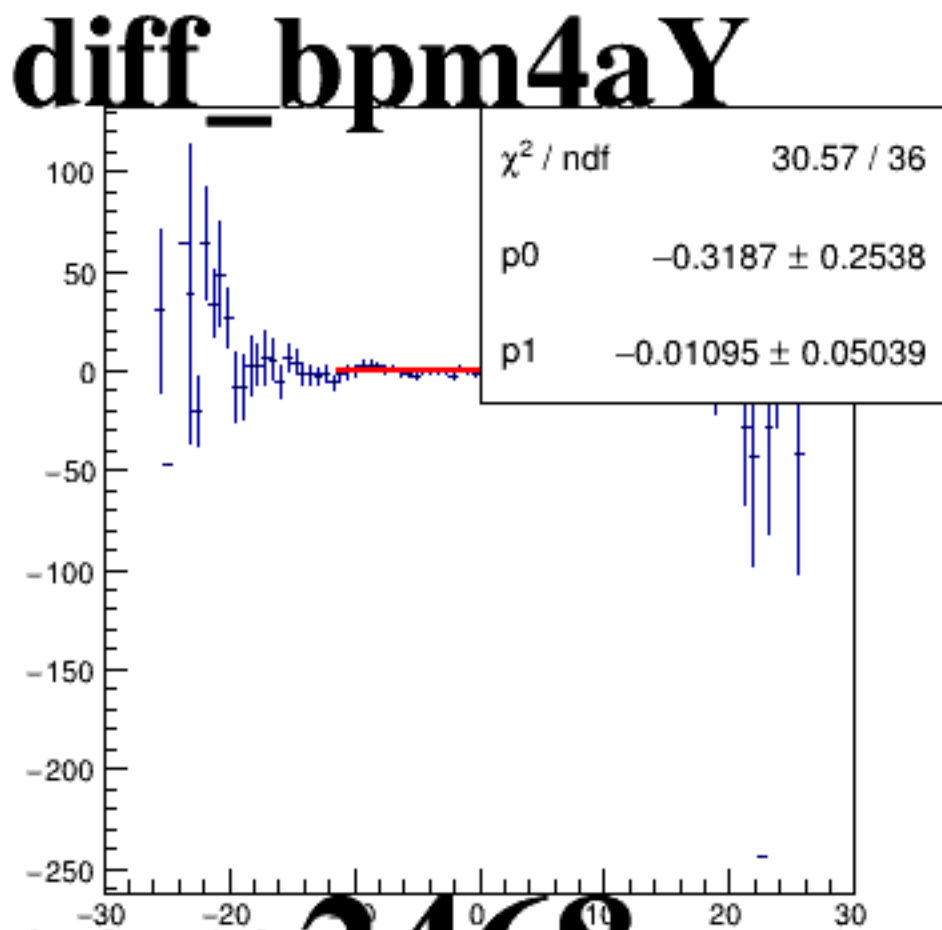
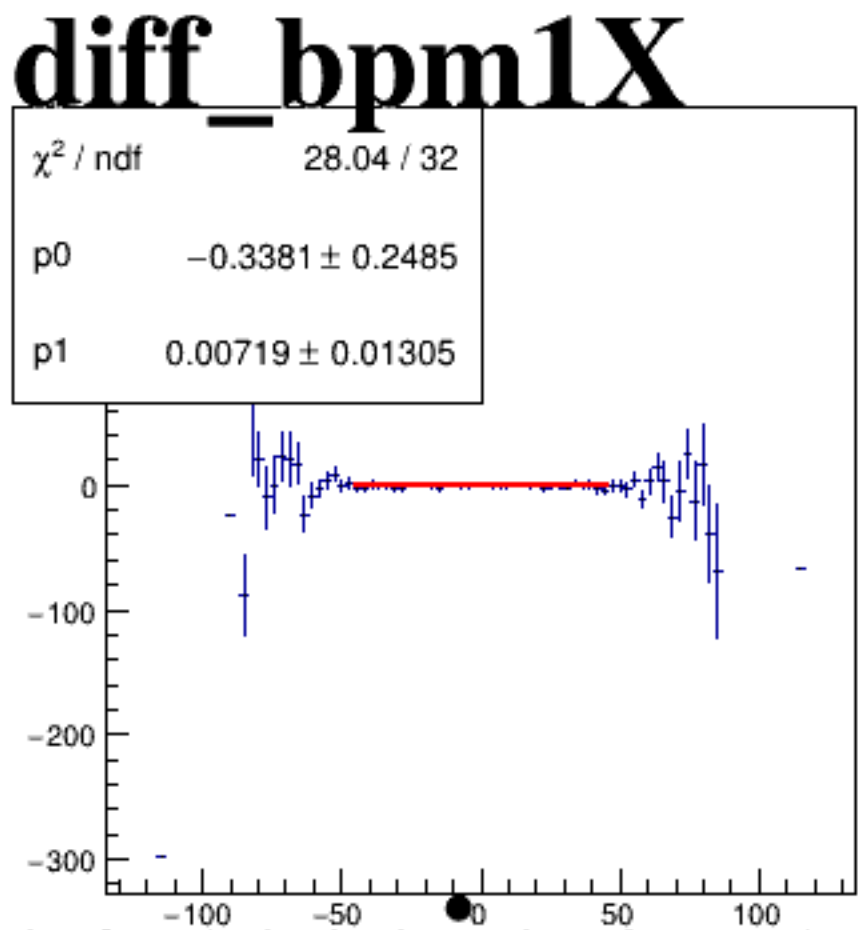
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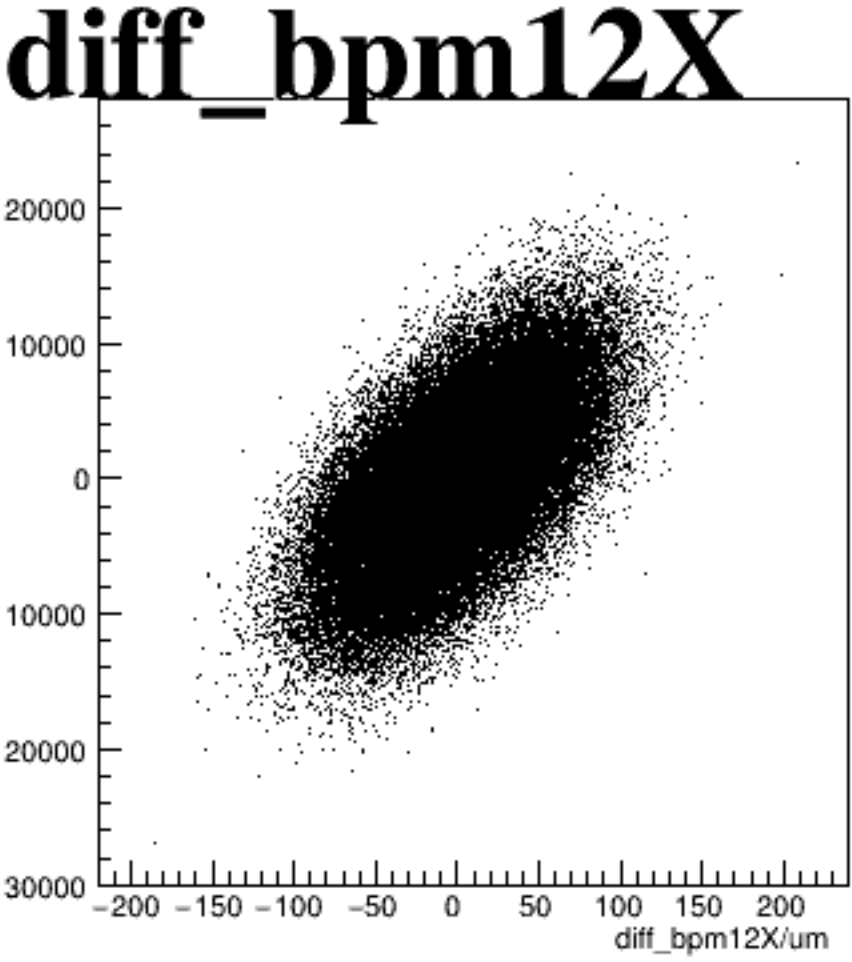
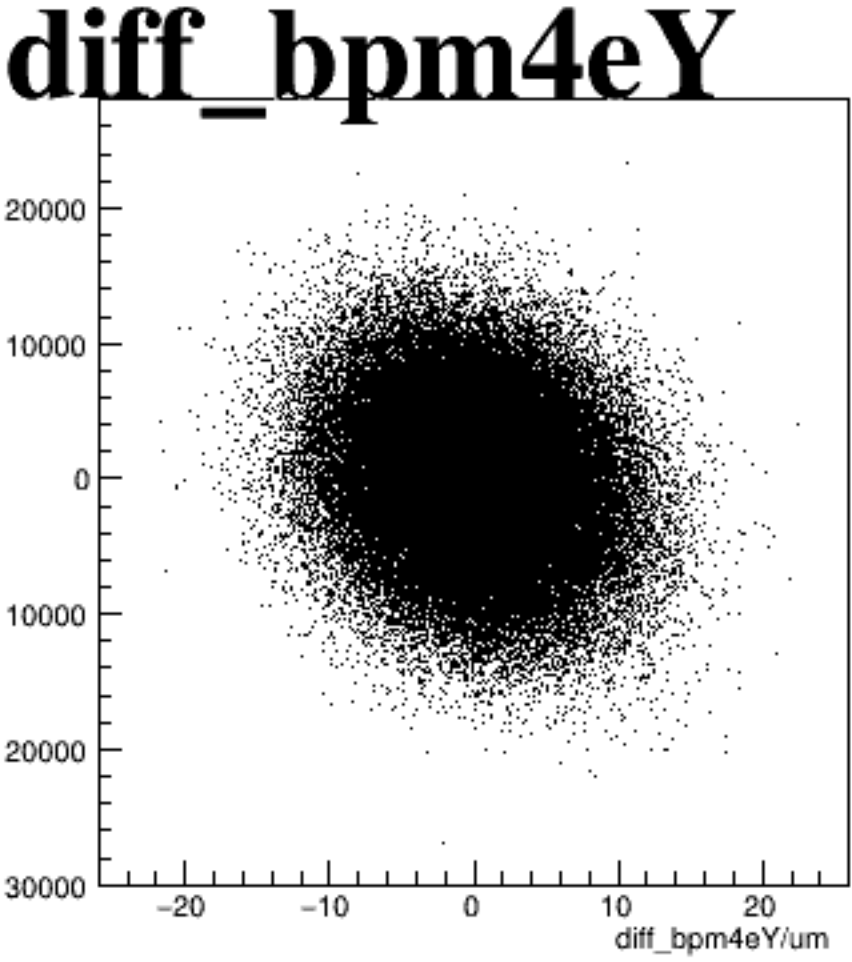
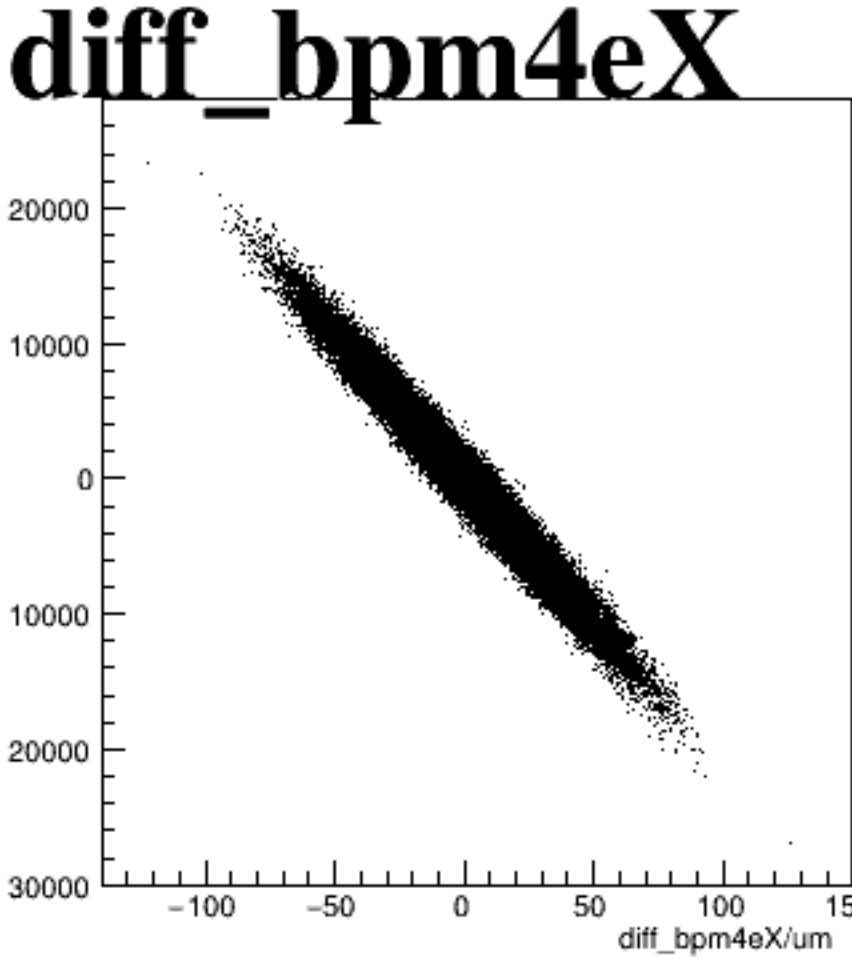
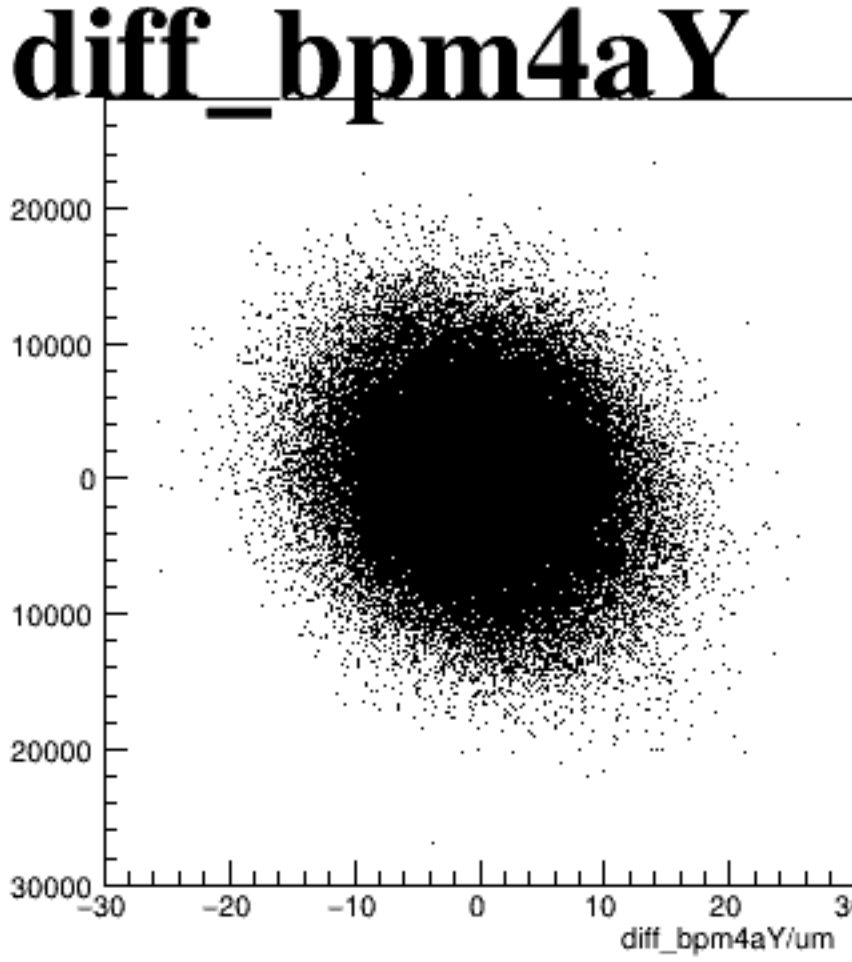
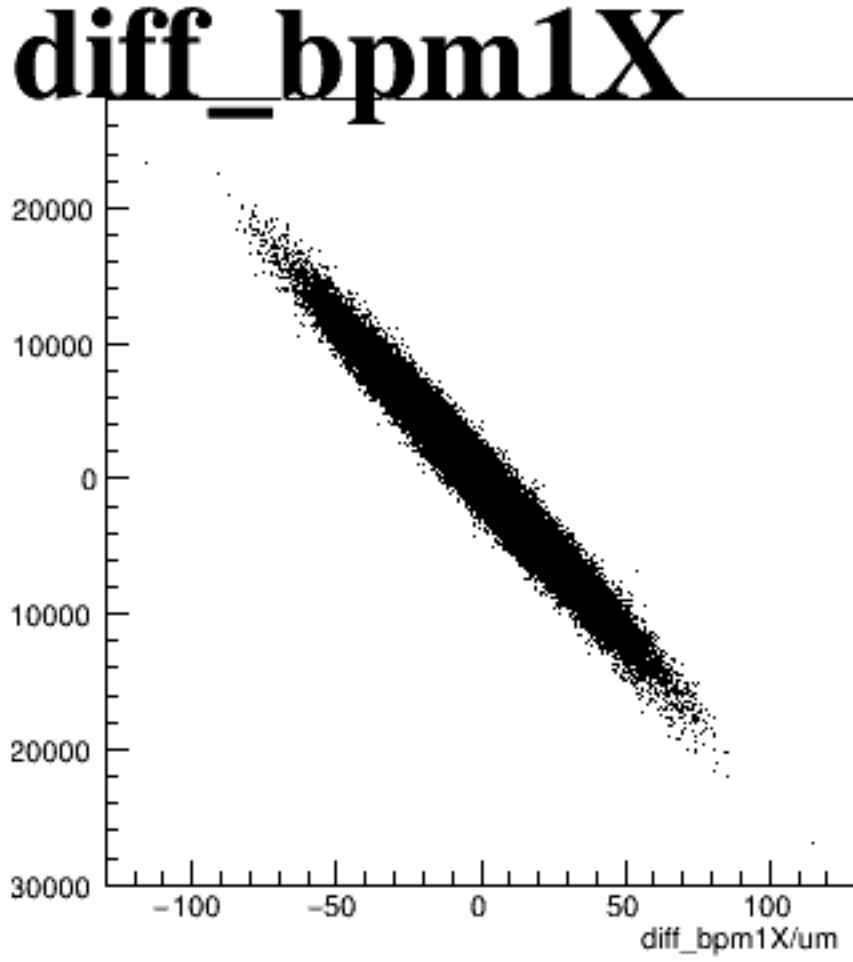
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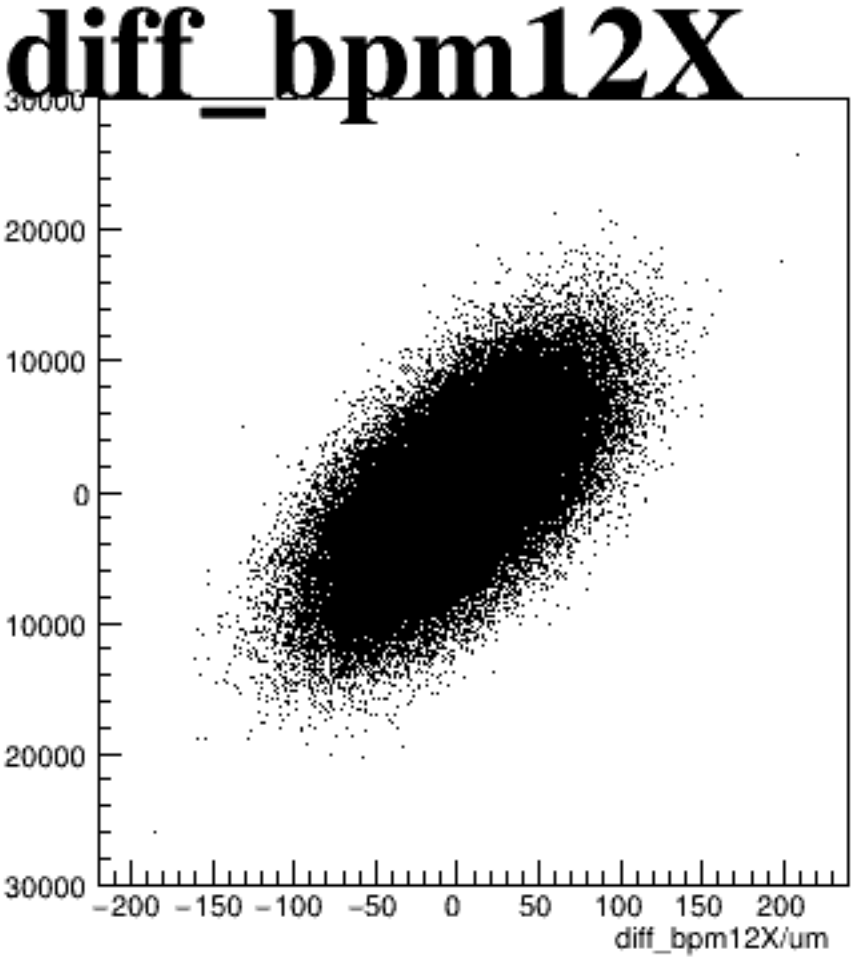
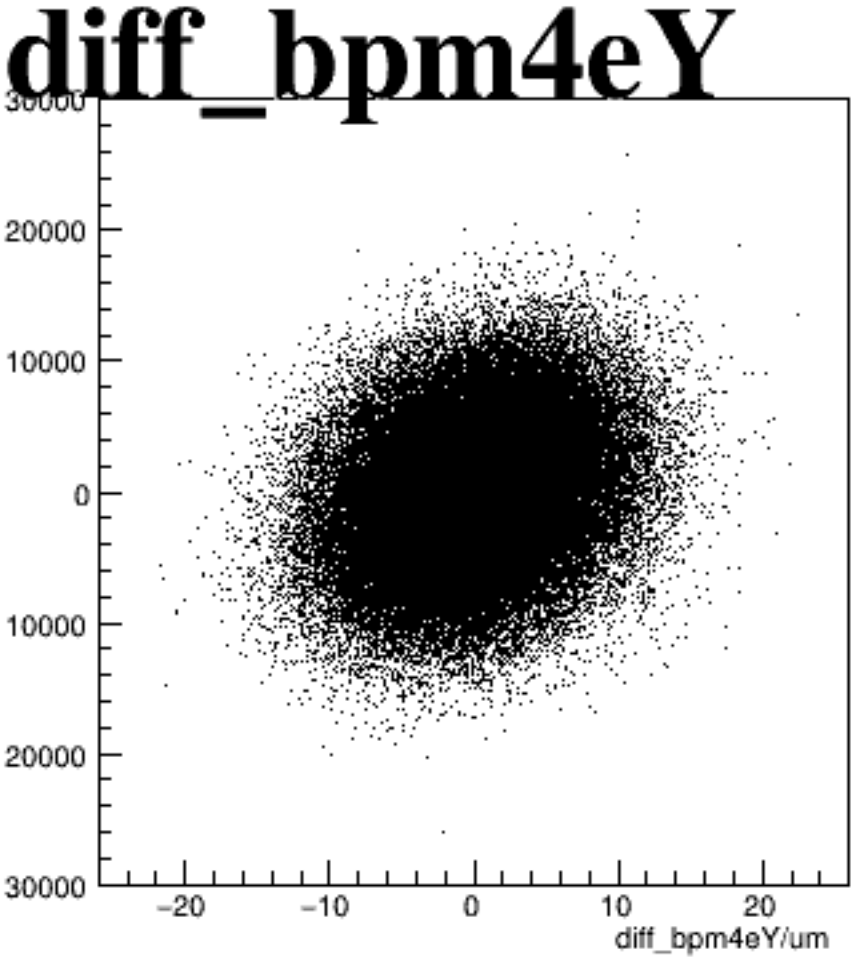
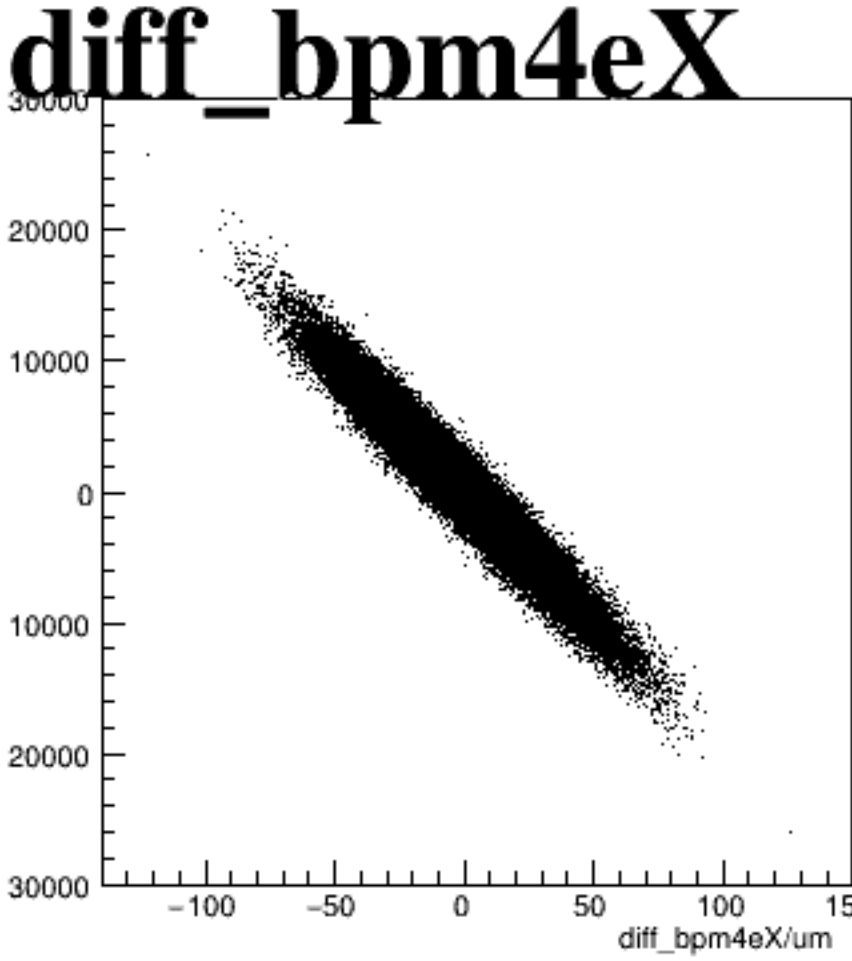
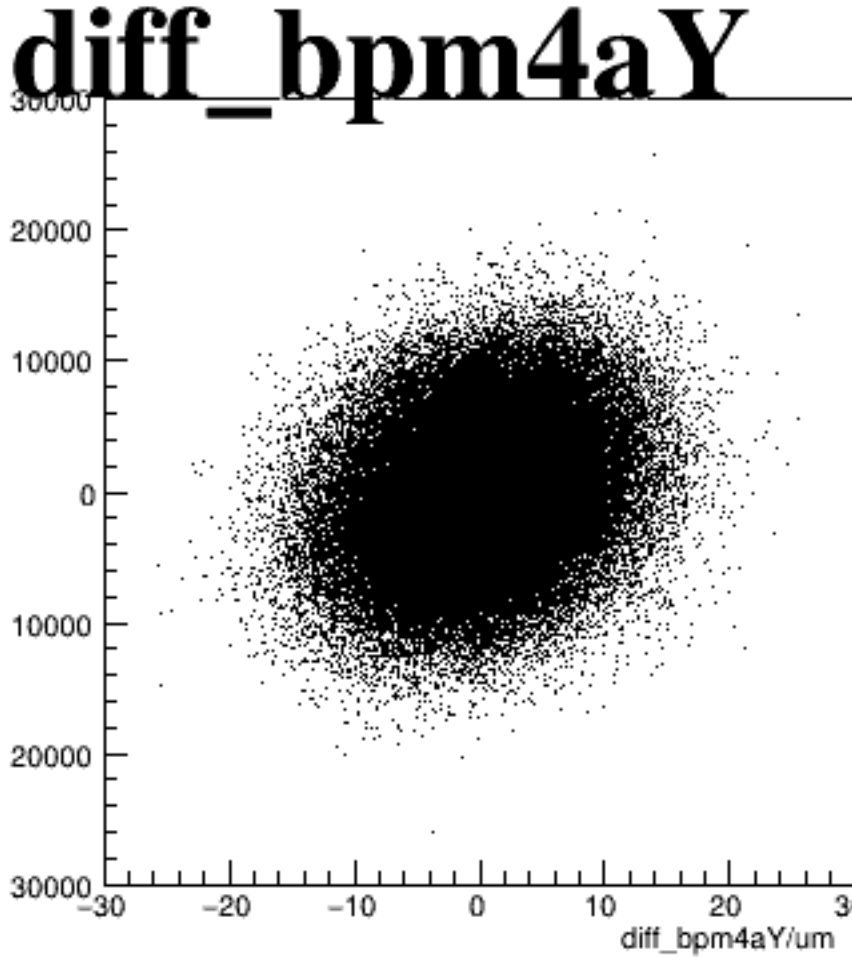
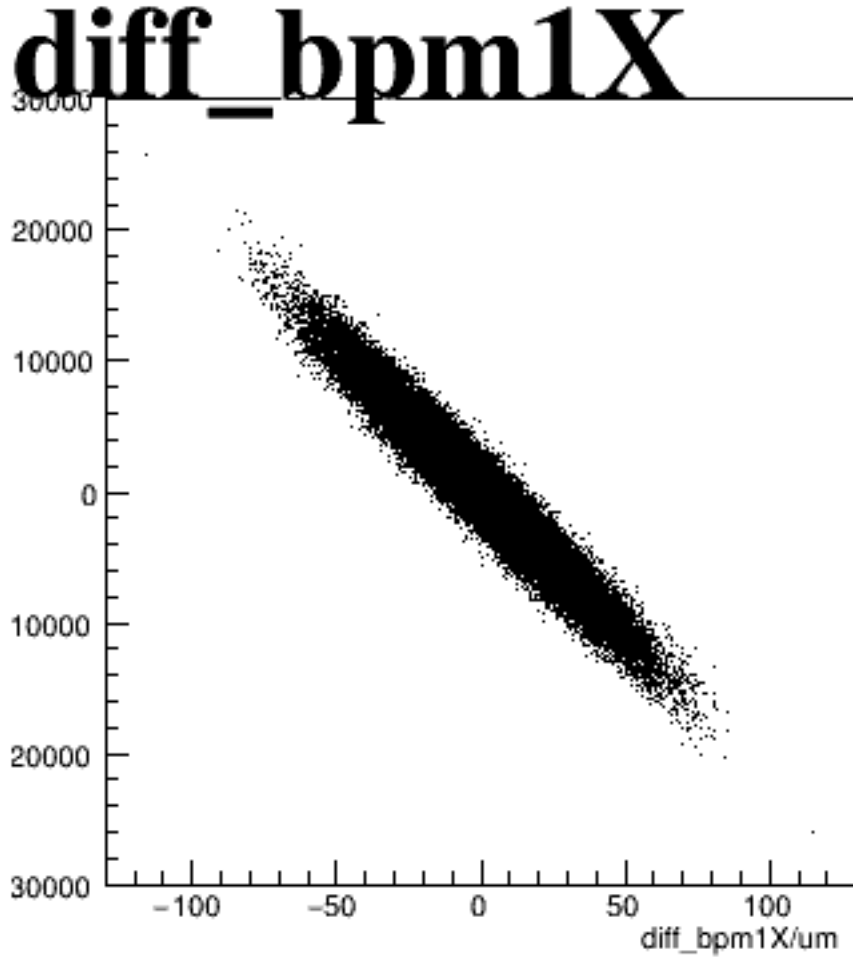
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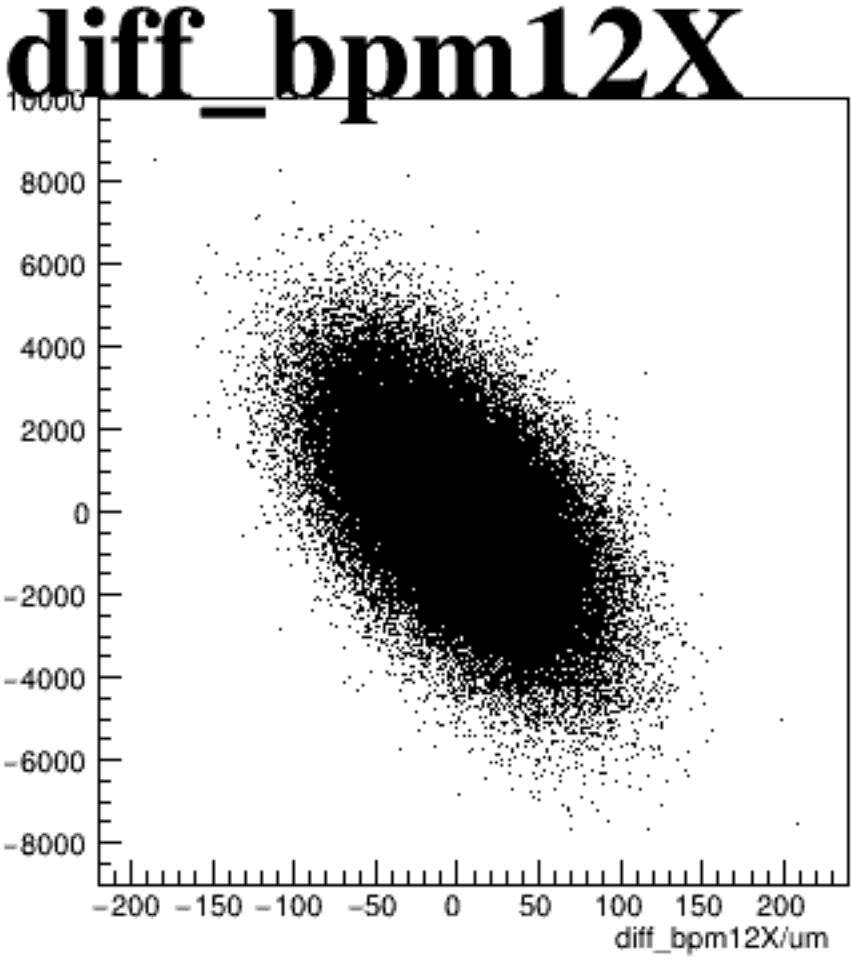
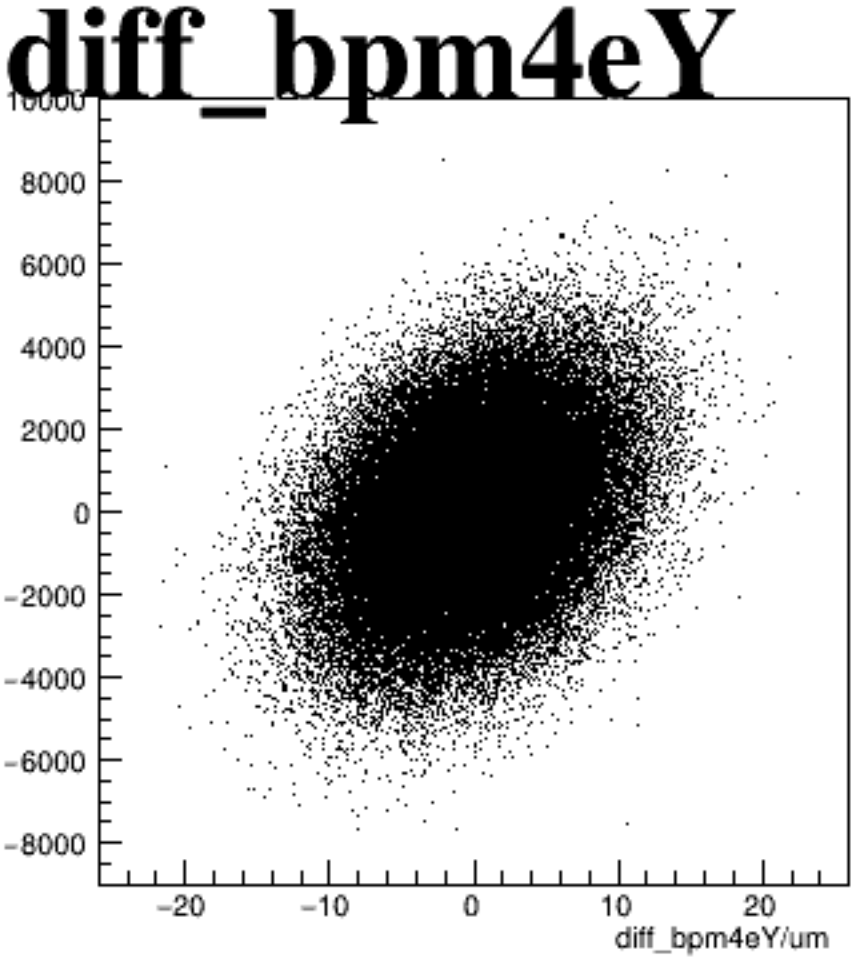
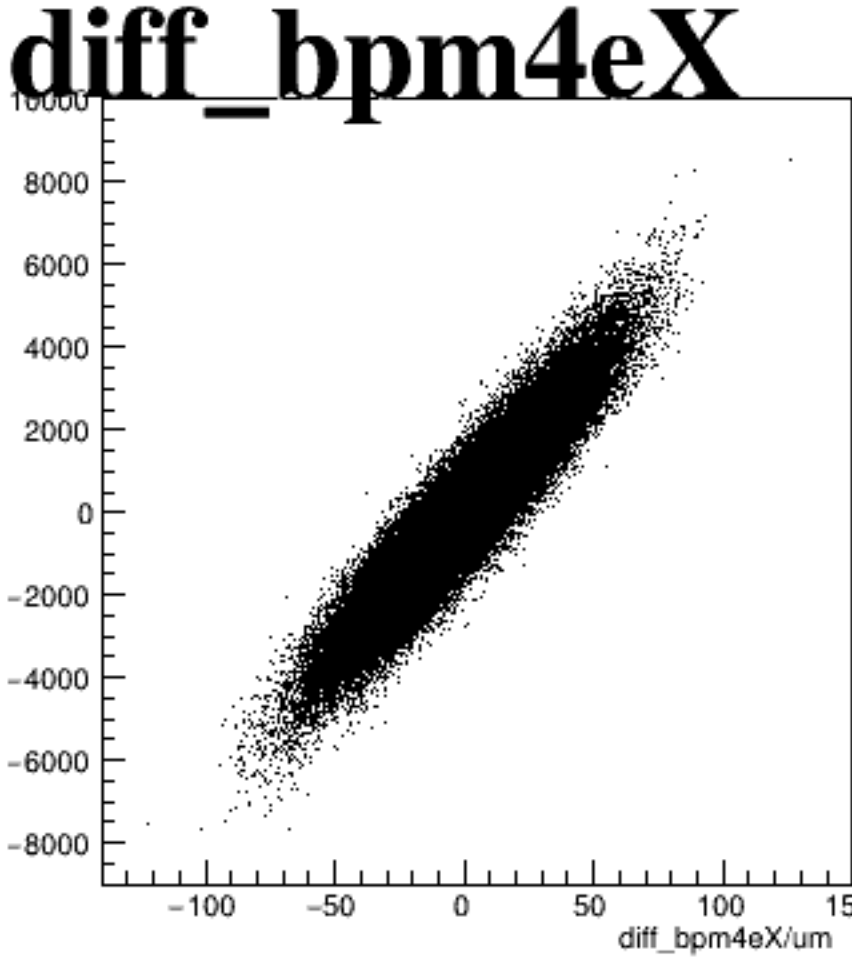
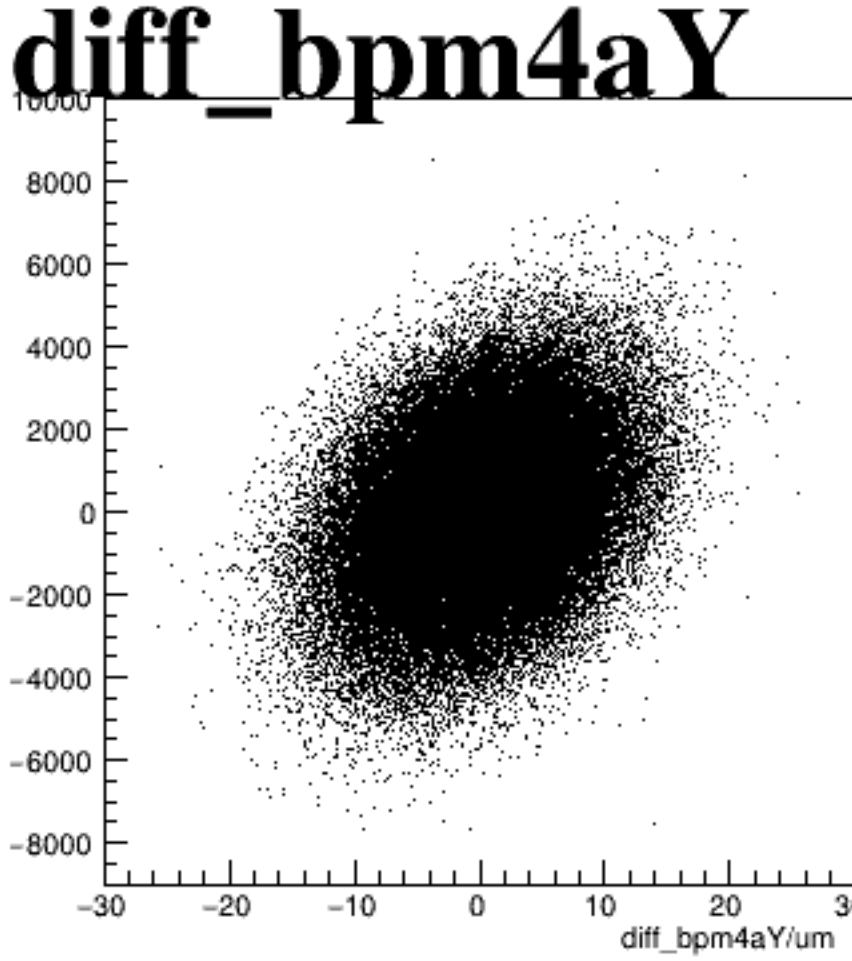
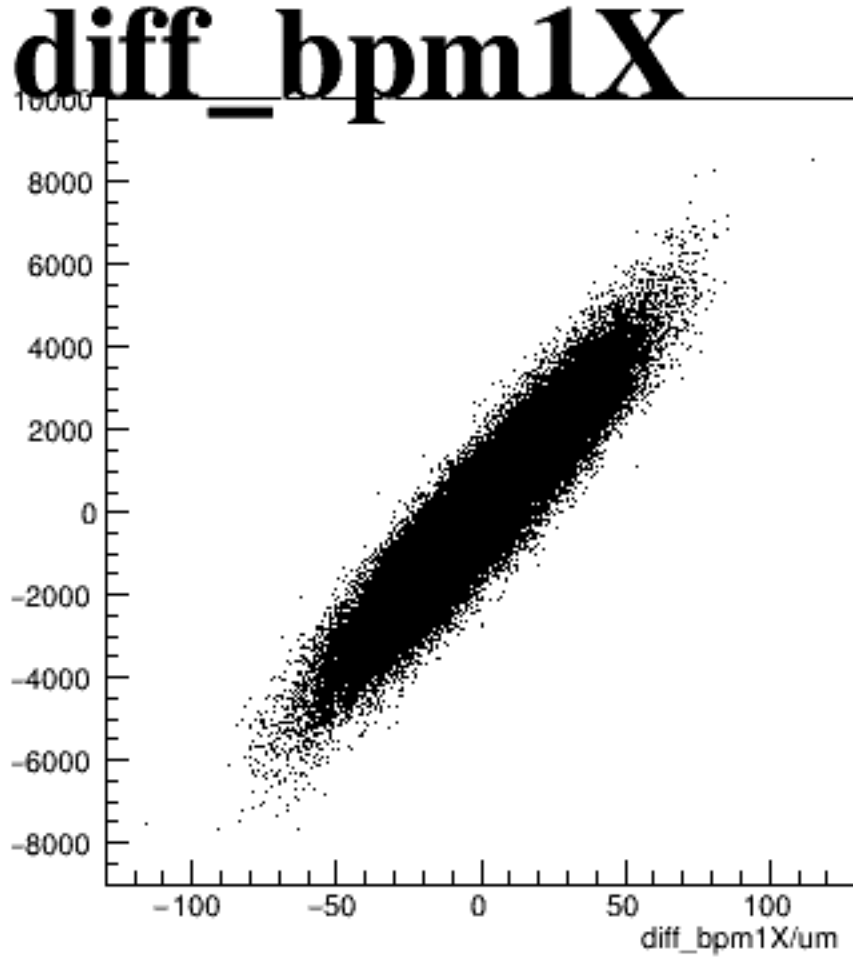
asym_sam2



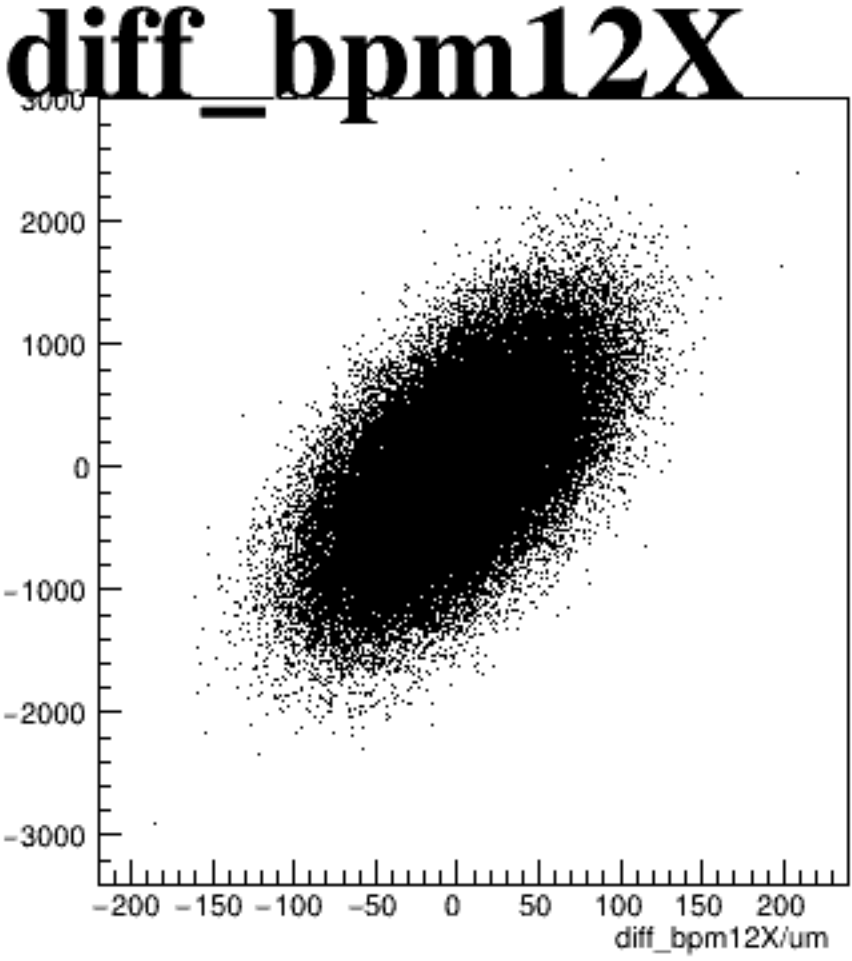
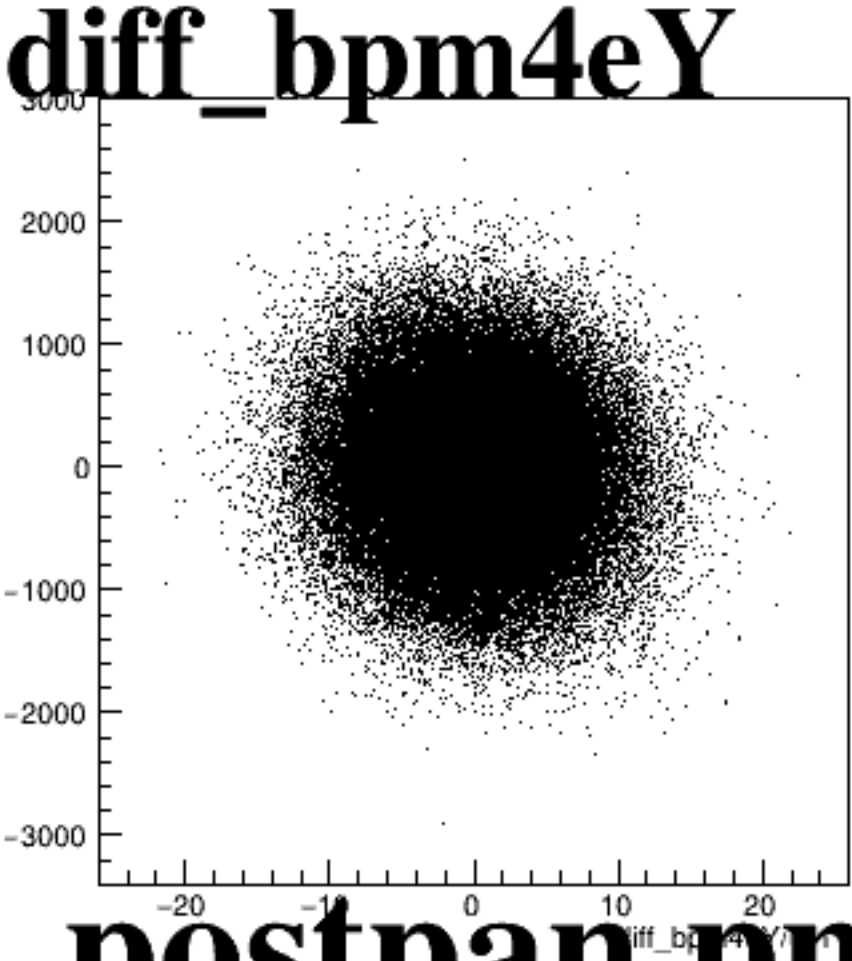
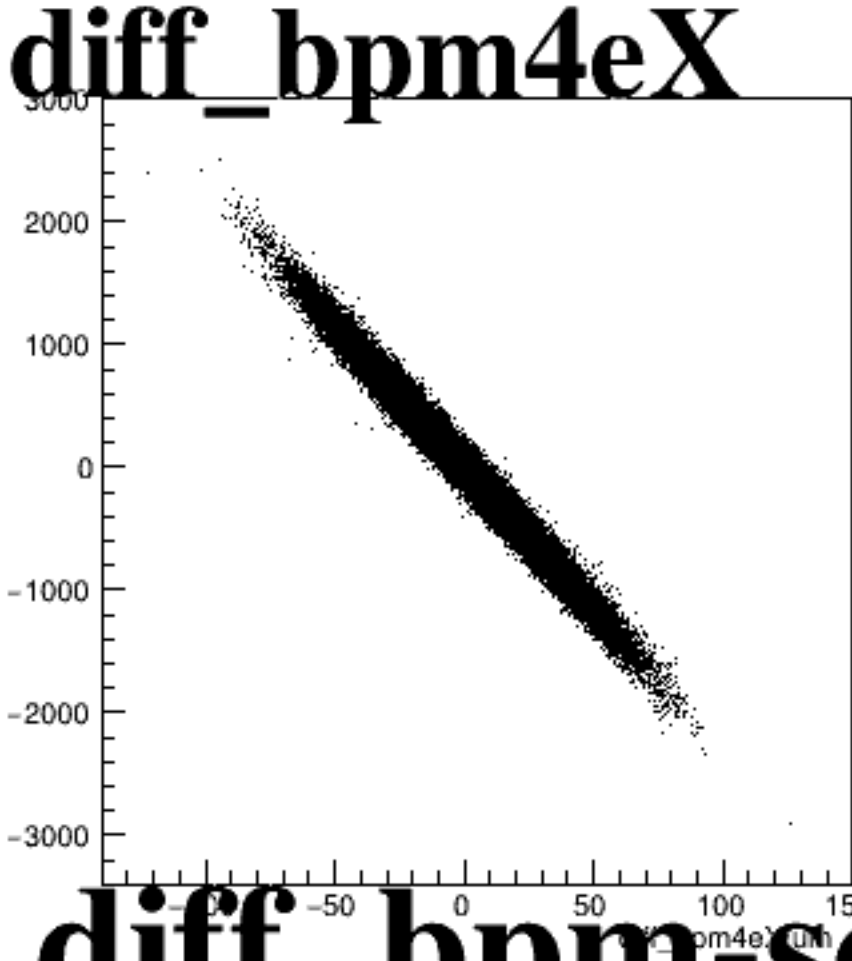
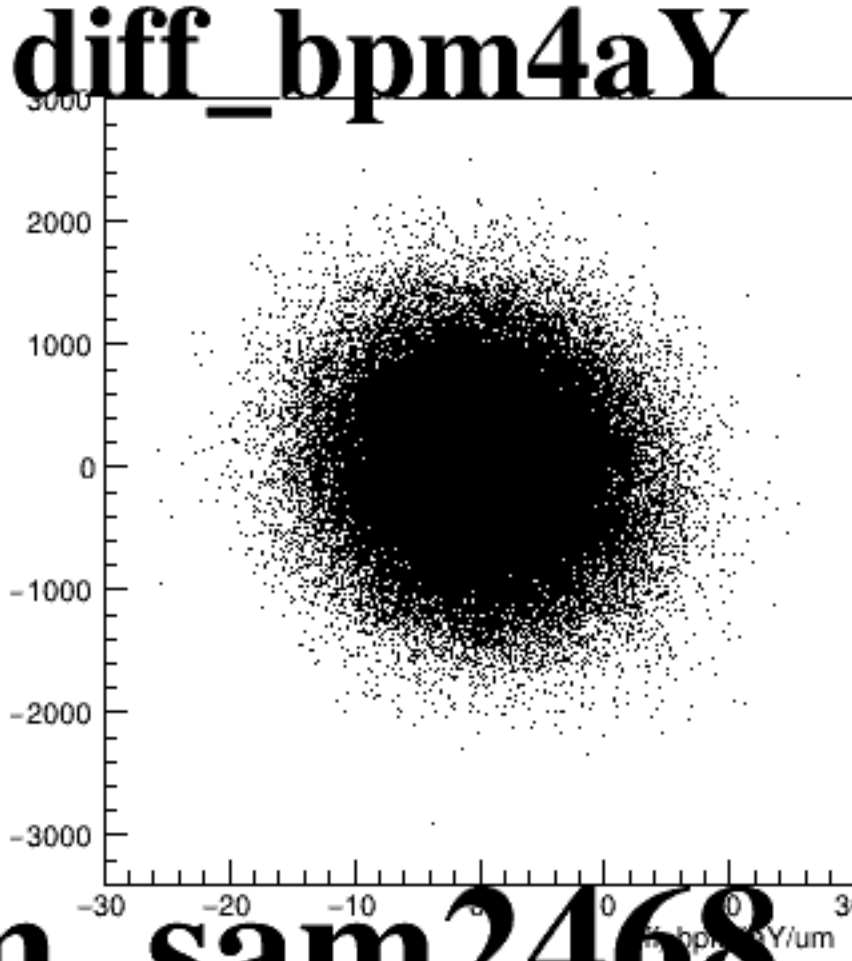
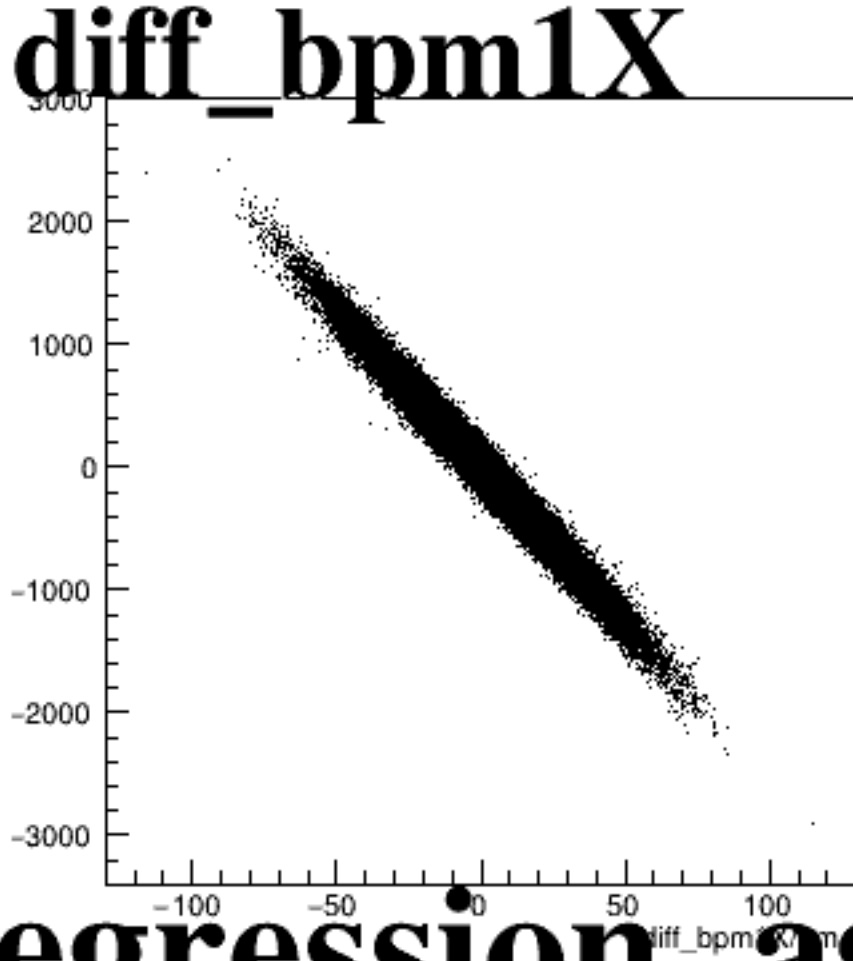
asym_sam4



asym_sam6



asym_sam8

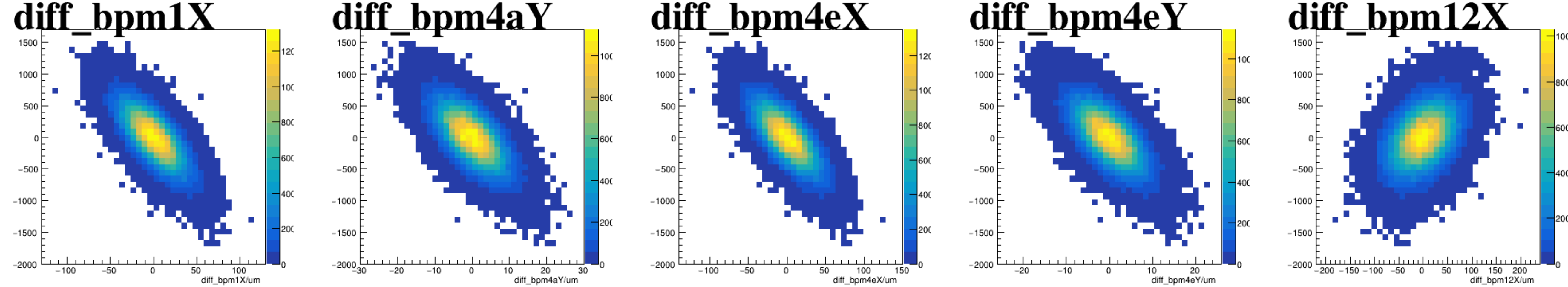


The figure consists of five scatter plots arranged horizontally, each showing the distribution of diffraction orders for a specific beam parameter. The plots are titled as follows:

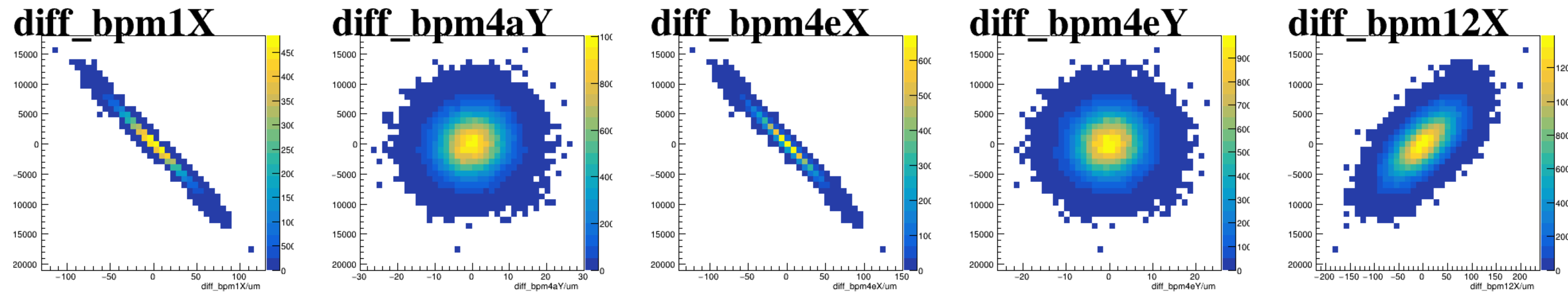
- diff_bpm1X**: The x-axis is labeled $\text{diff_bpm1X}/\mu\text{m}$ and ranges from -100 to 100. The y-axis ranges from -4000 to 3000.
- diff_bpm4aY**: The x-axis is labeled $\text{diff_bpm4aY}/\mu\text{m}$ and ranges from -30 to 30. The y-axis ranges from -4000 to 3000.
- diff_bpm4eX**: The x-axis is labeled $\text{diff_bpm4eX}/\mu\text{m}$ and ranges from -100 to 150. The y-axis ranges from -4000 to 3000.
- diff_bpm4eY**: The x-axis is labeled $\text{diff_bpm4eY}/\mu\text{m}$ and ranges from -20 to 20. The y-axis ranges from -4000 to 3000.
- diff_bpm12X**: The x-axis is labeled $\text{diff_bpm12X}/\mu\text{m}$ and ranges from -200 to 200. The y-axis ranges from -4000 to 3000.

Each plot displays a dense cloud of points, indicating a high density of diffraction orders. The distributions are roughly elliptical and centered around the origin (0,0).

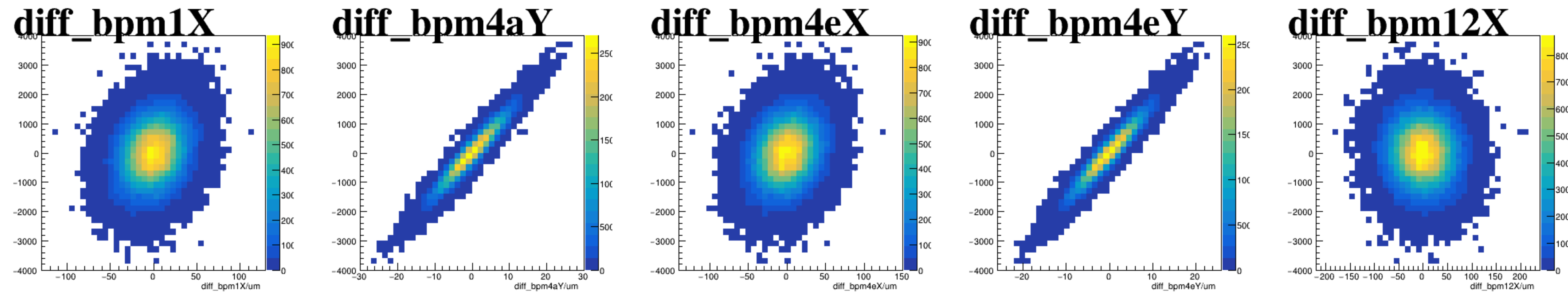
asym_sam1



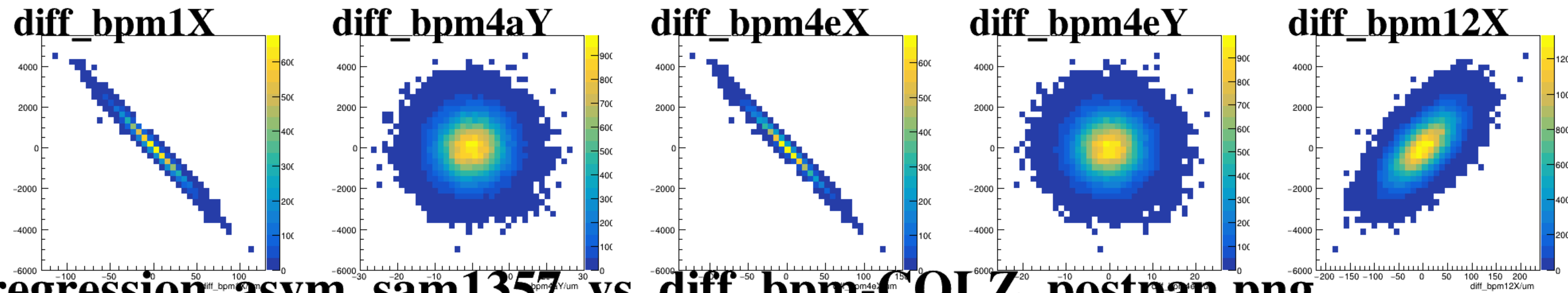
asym_sam3



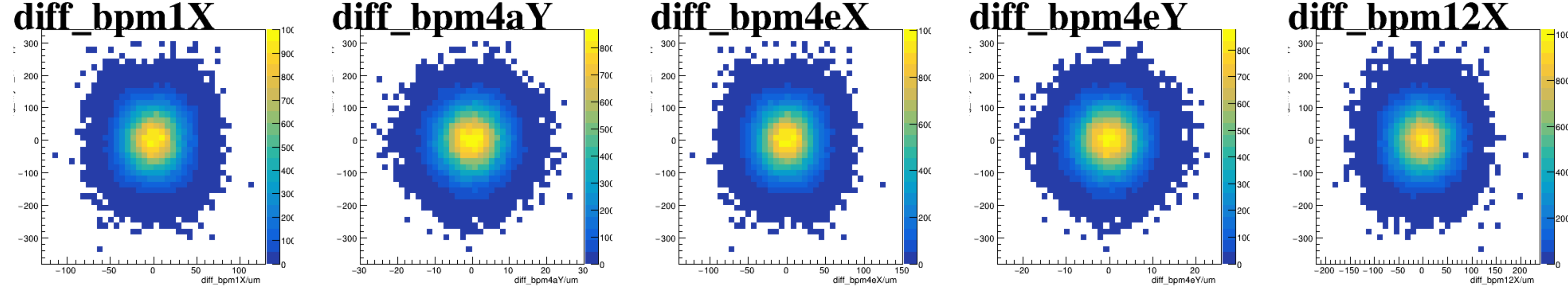
asym_sam5



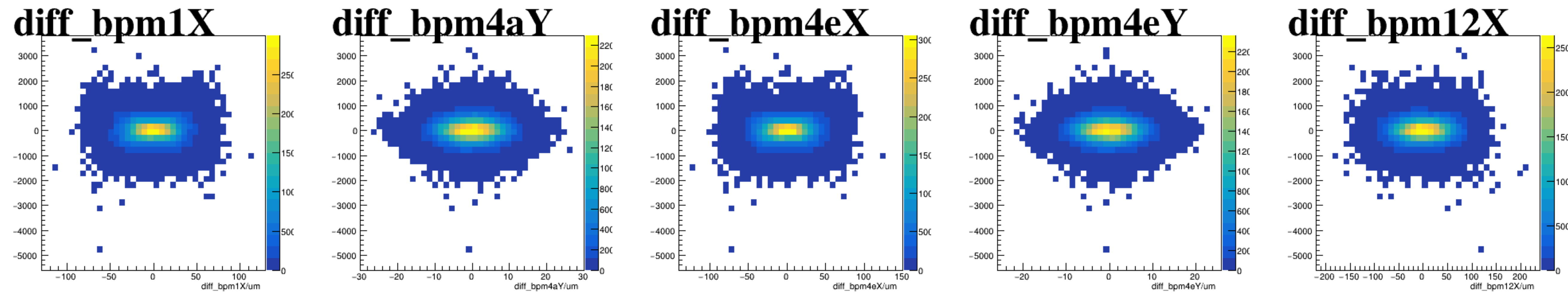
asym_sam7



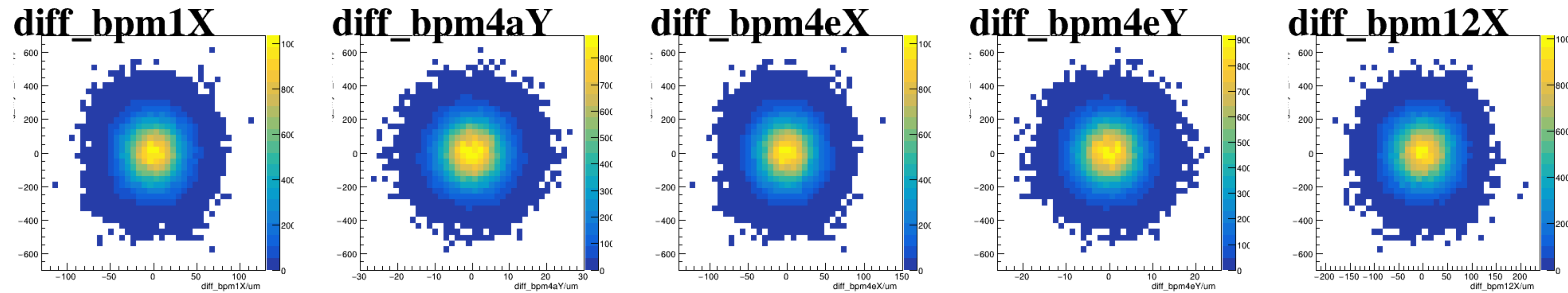
reg_asym_sam1



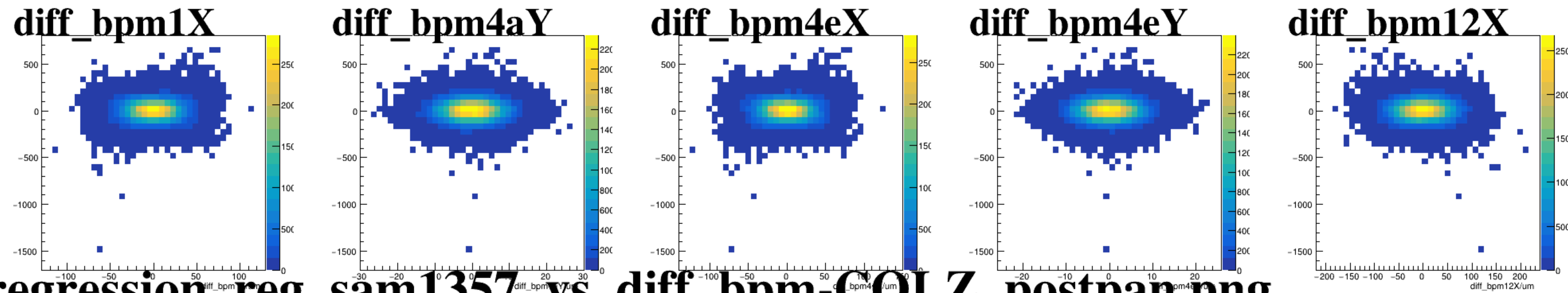
reg_asym_sam3



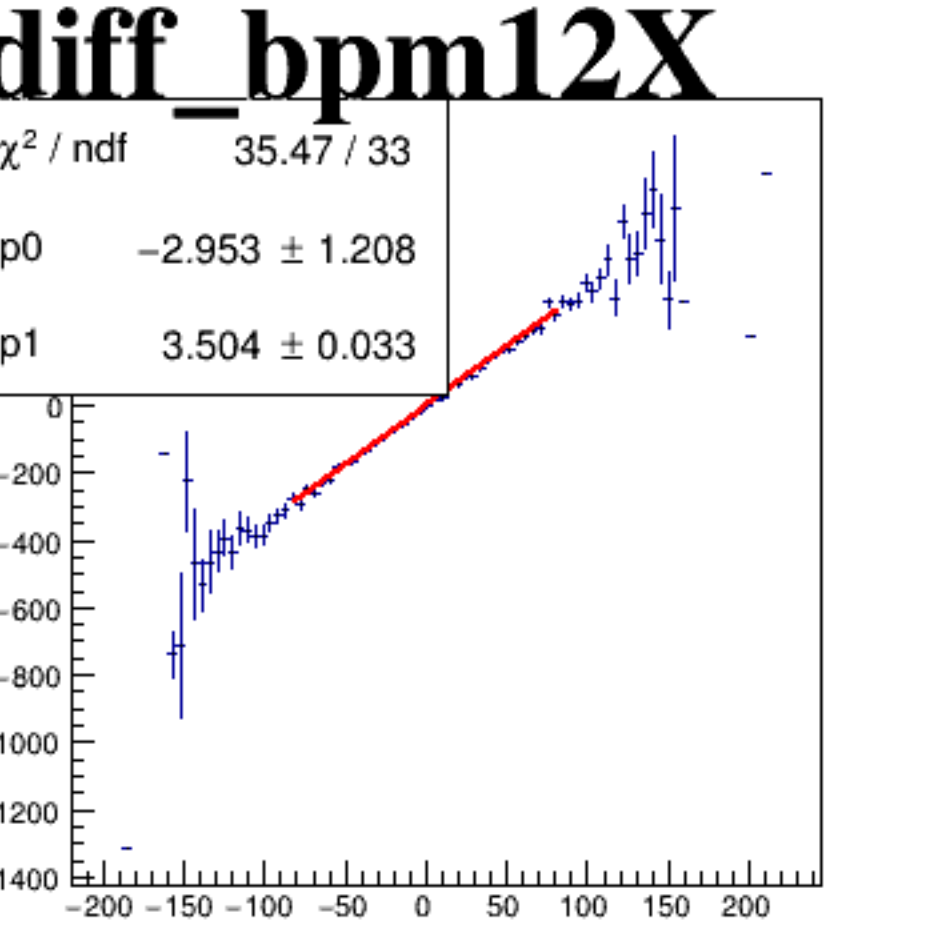
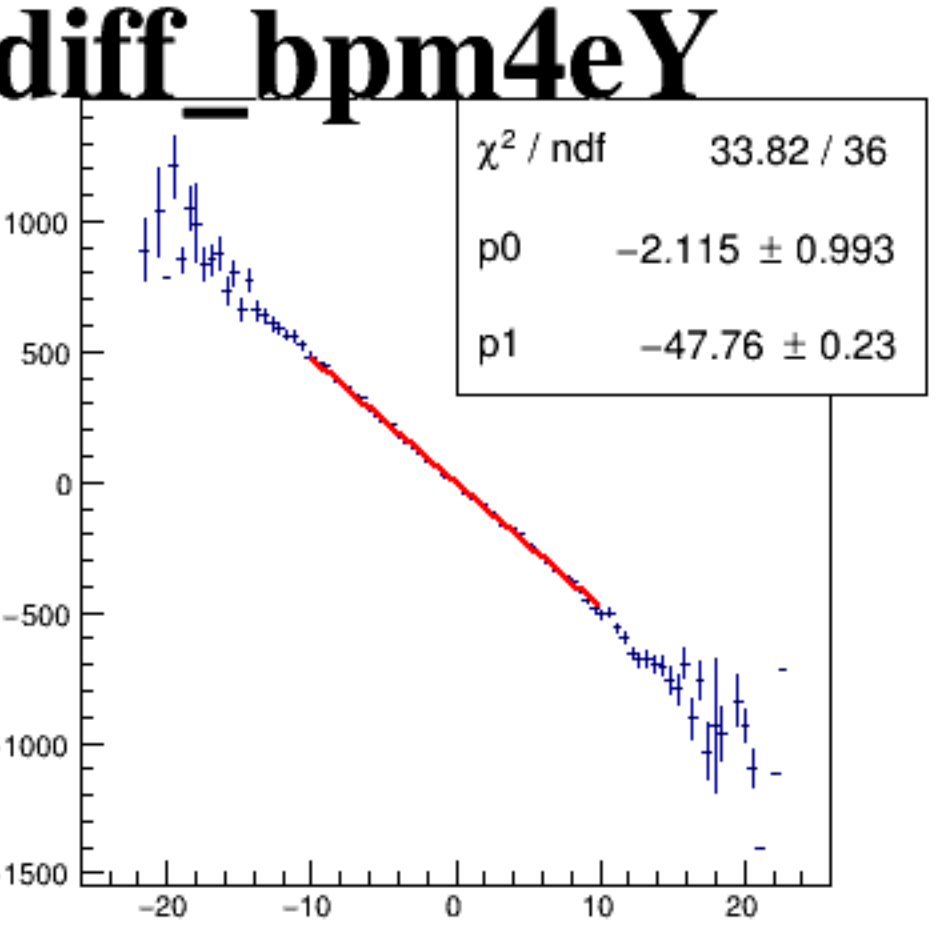
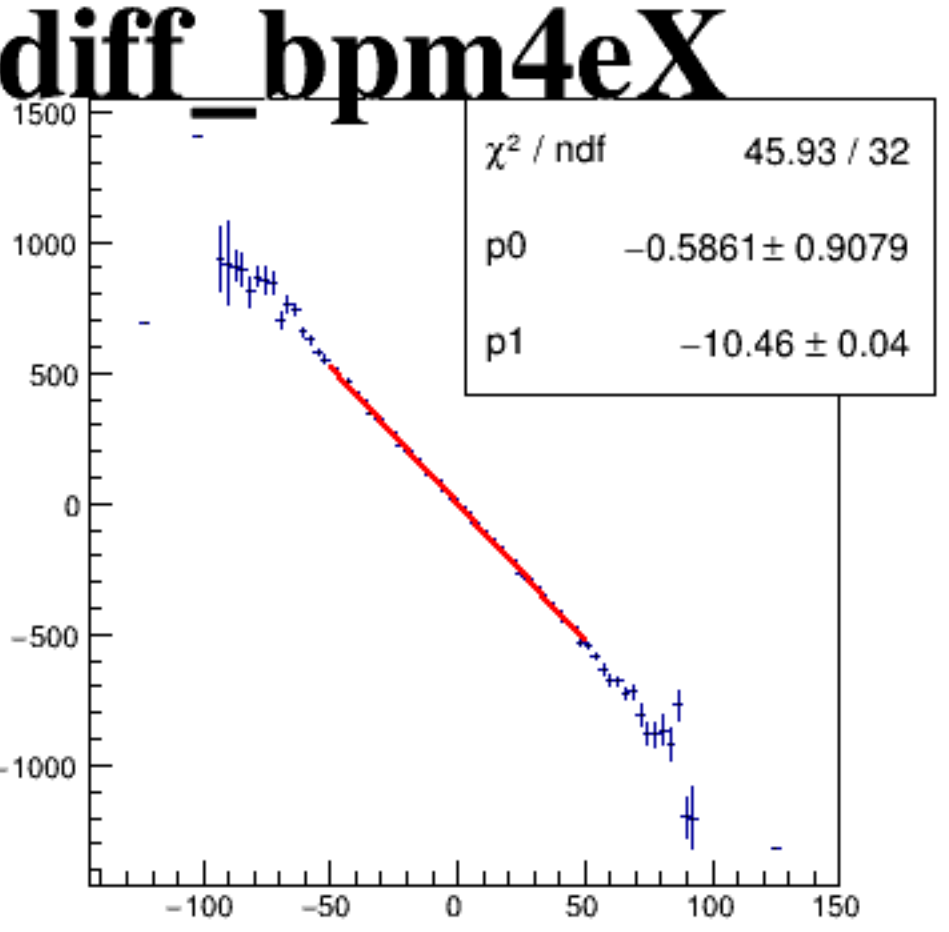
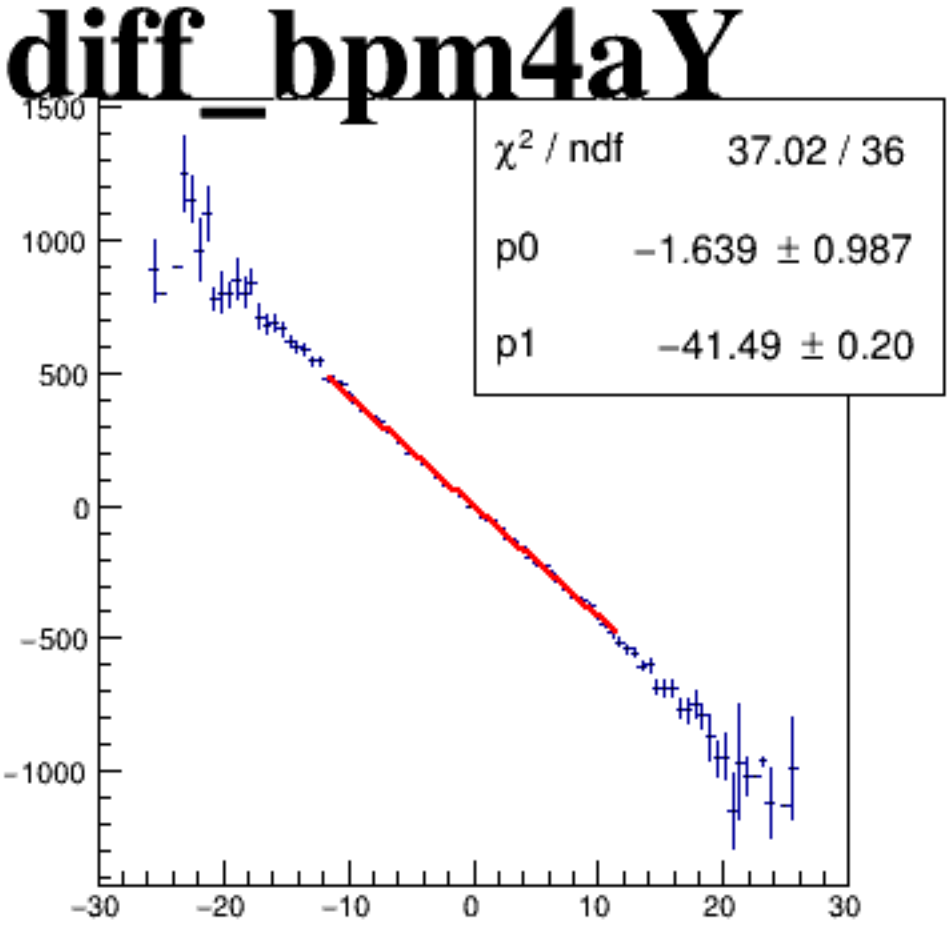
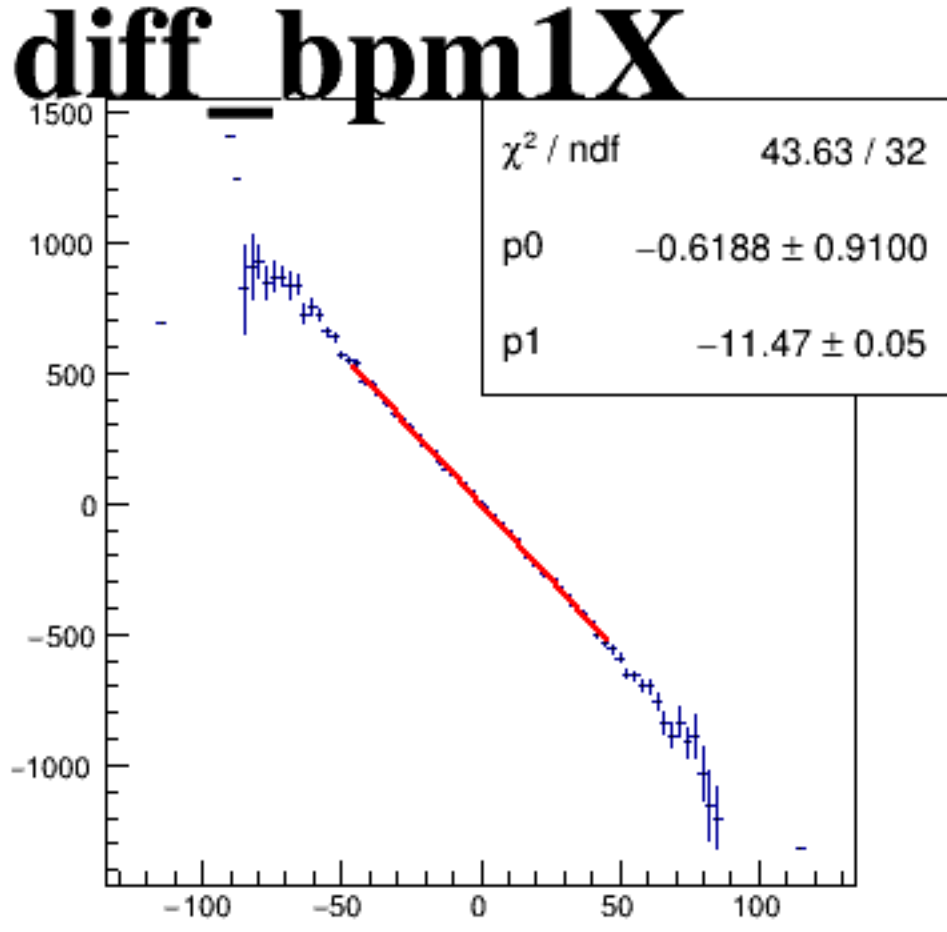
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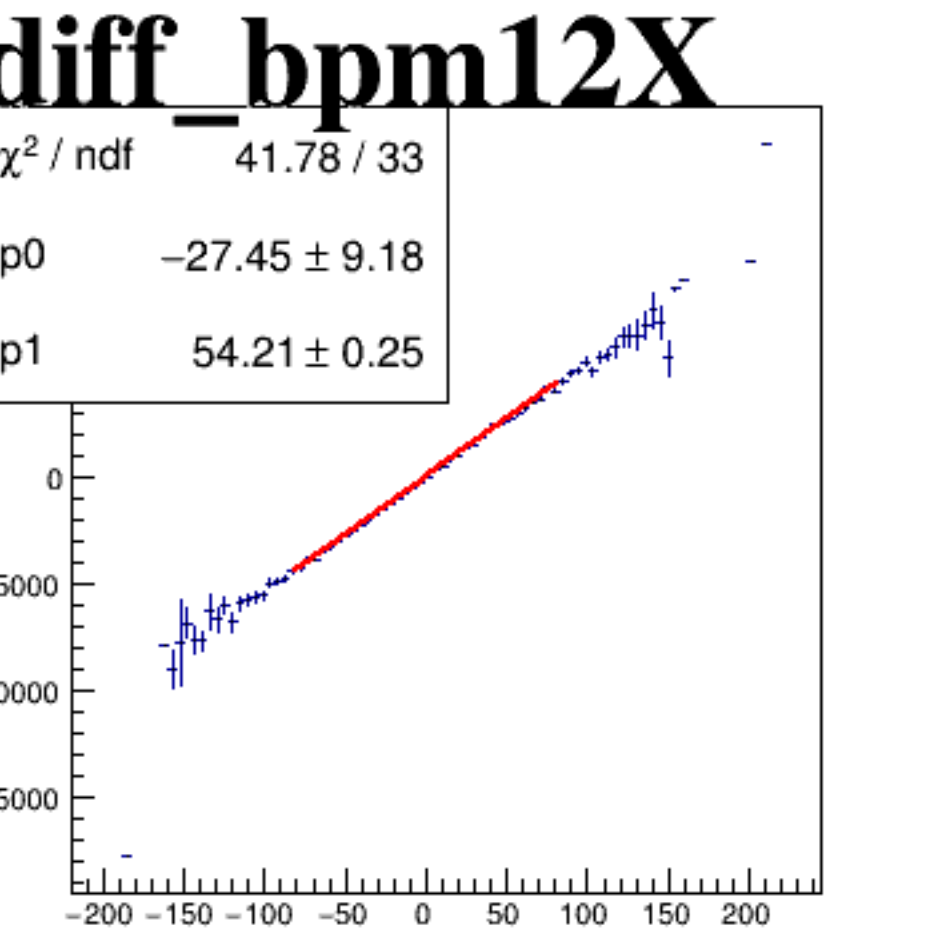
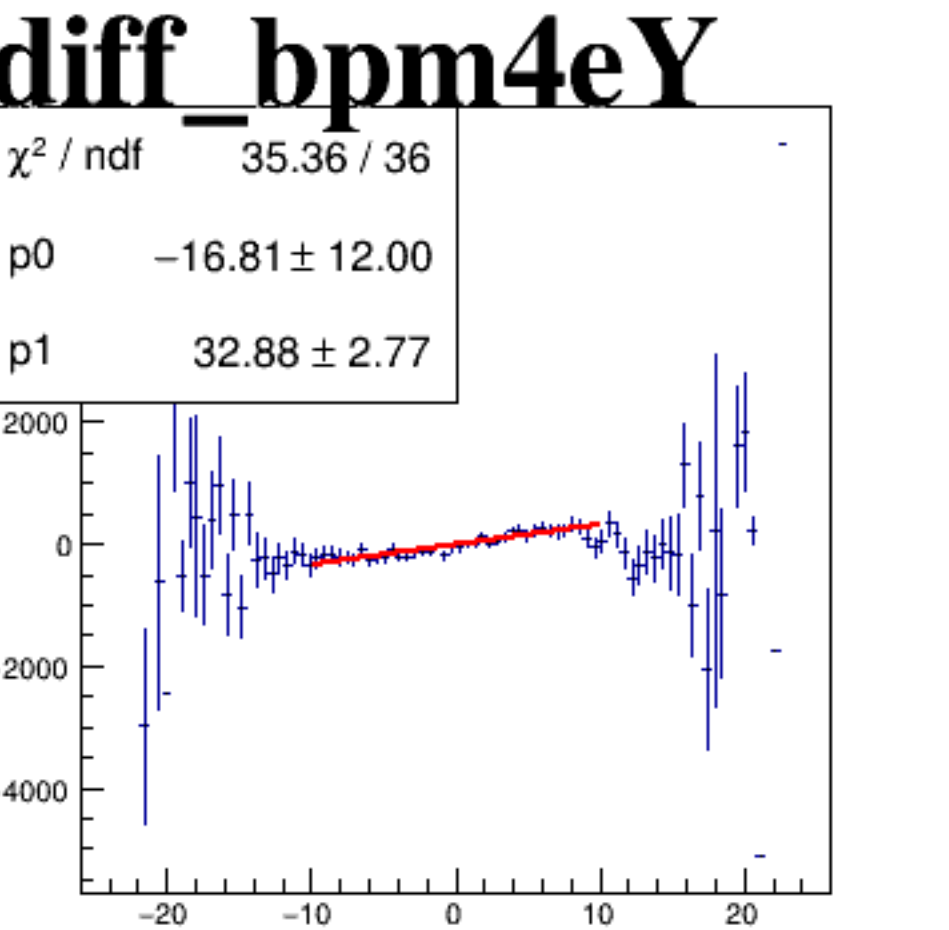
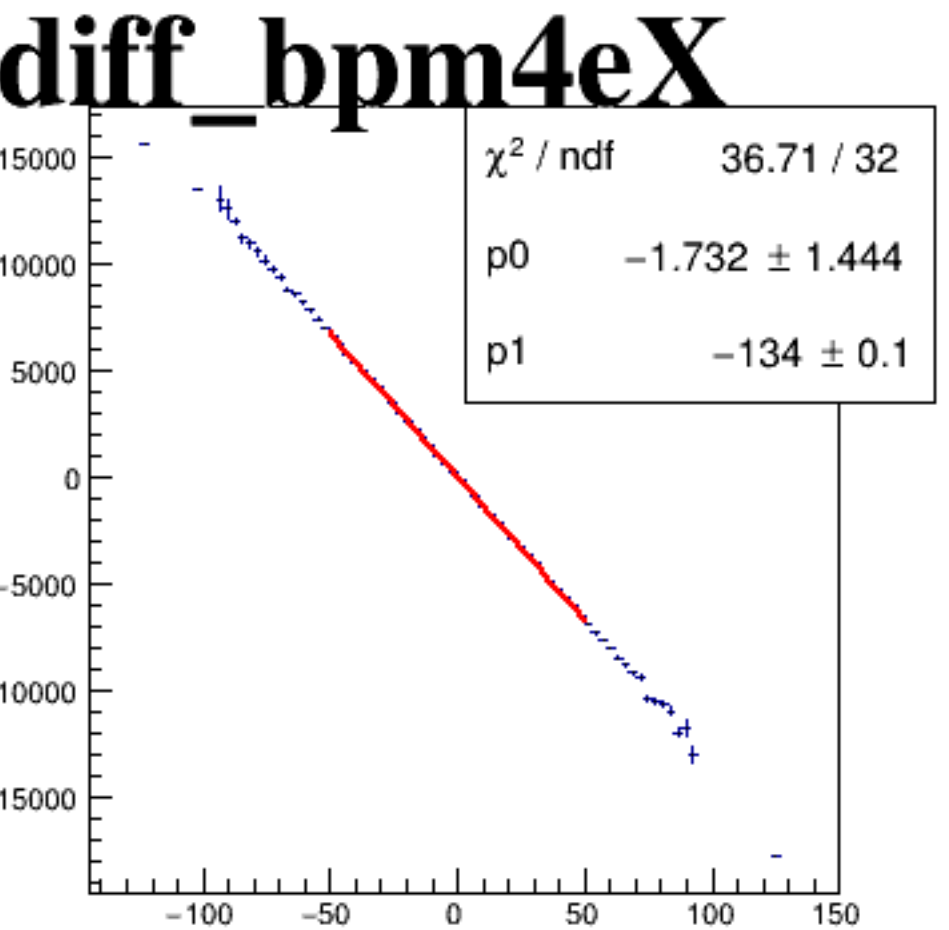
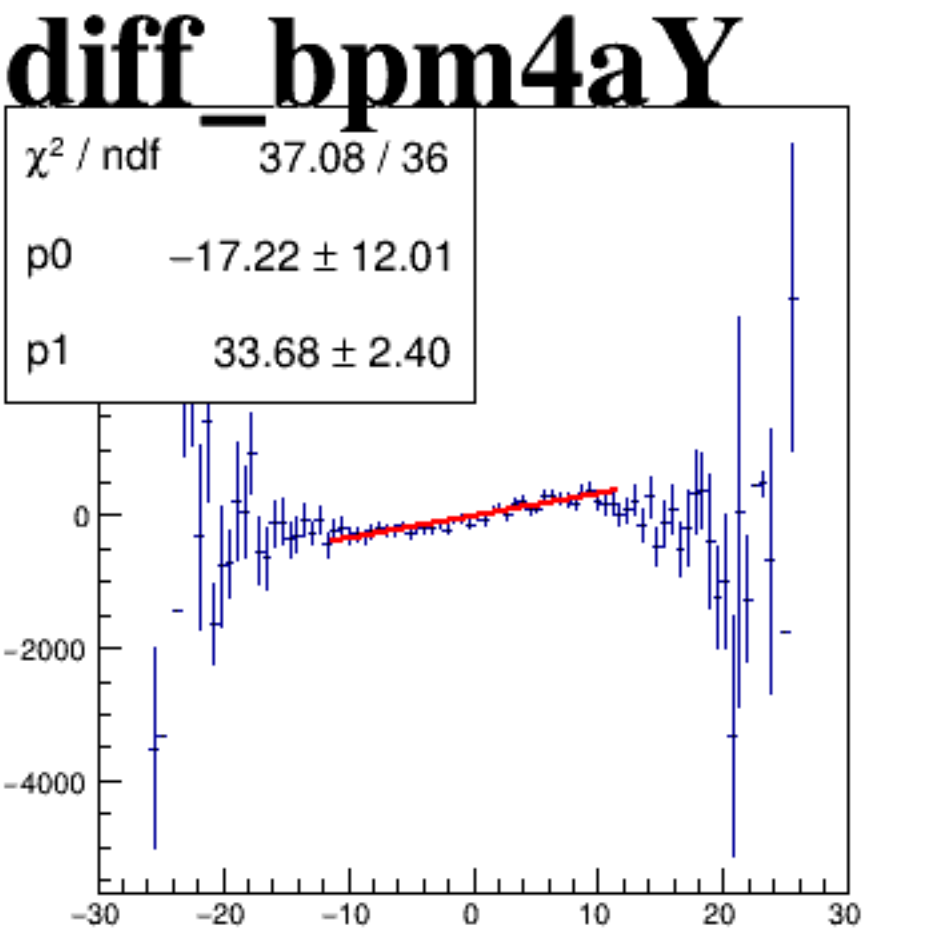
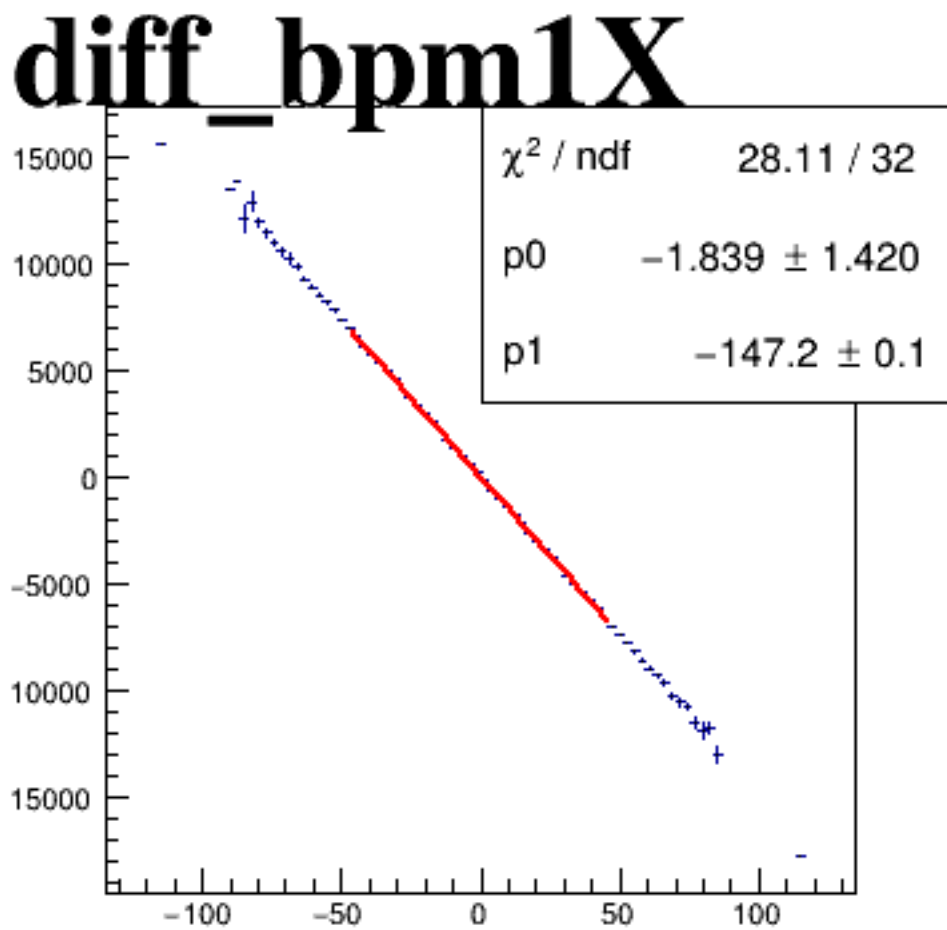
reg_asym_sam7



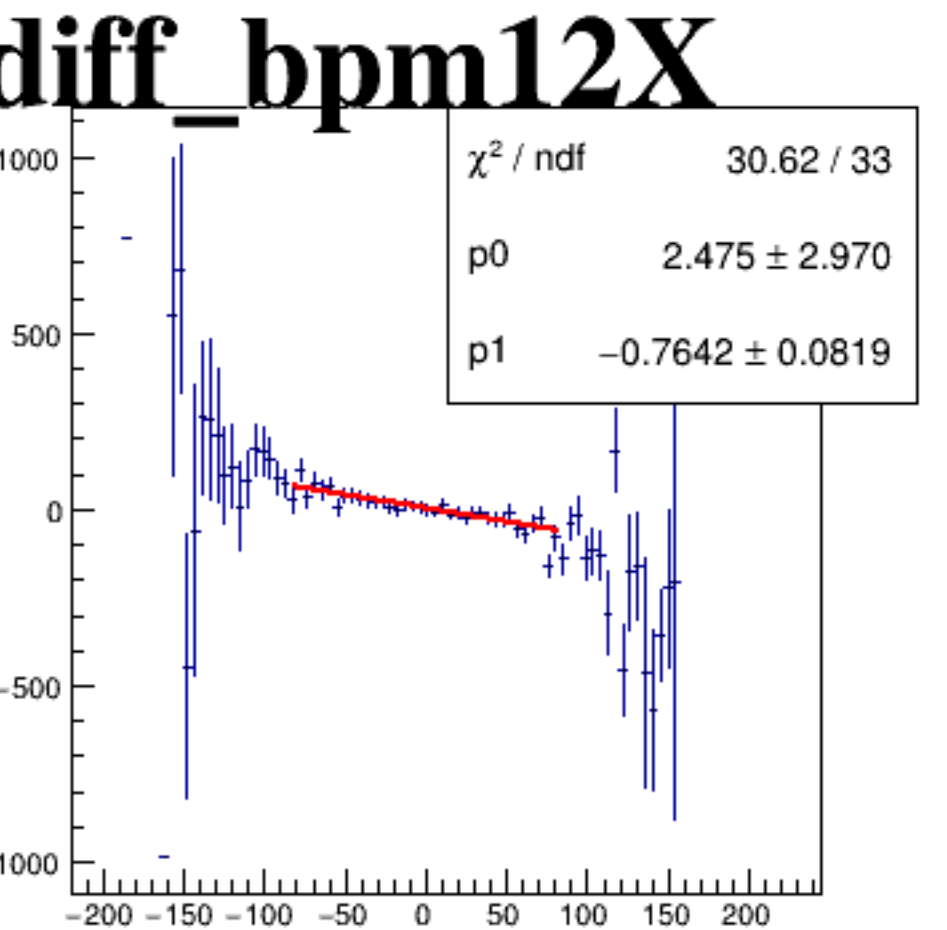
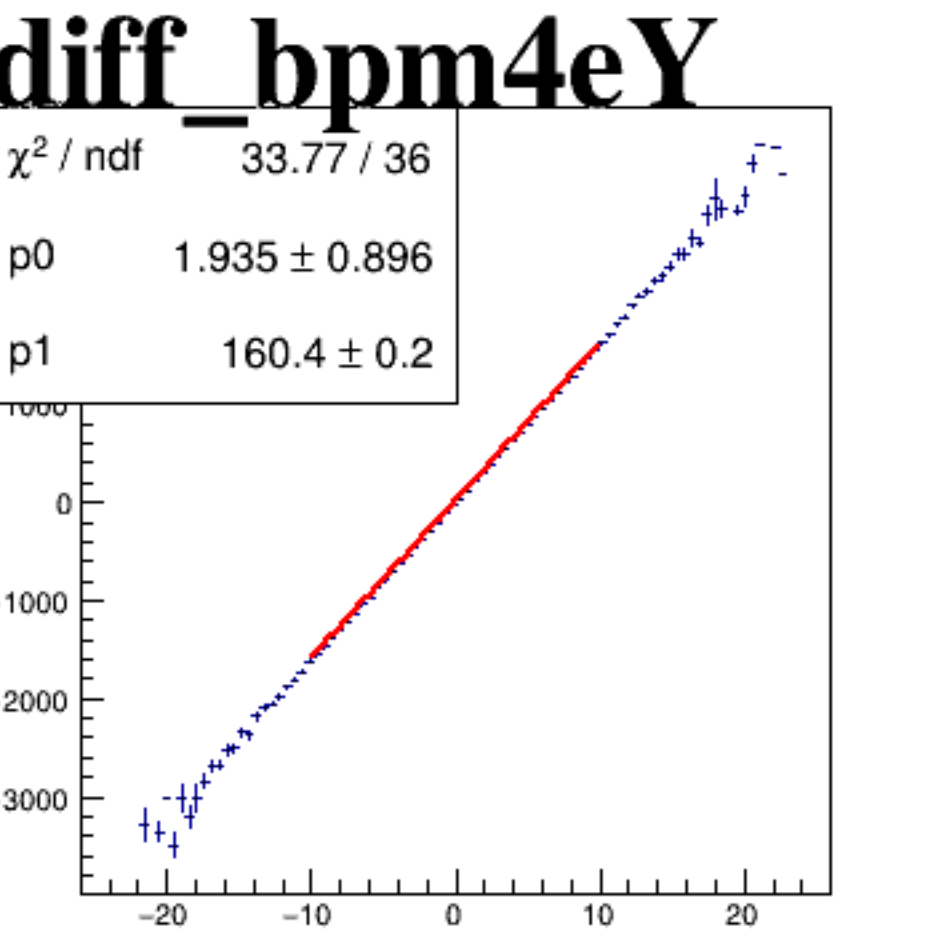
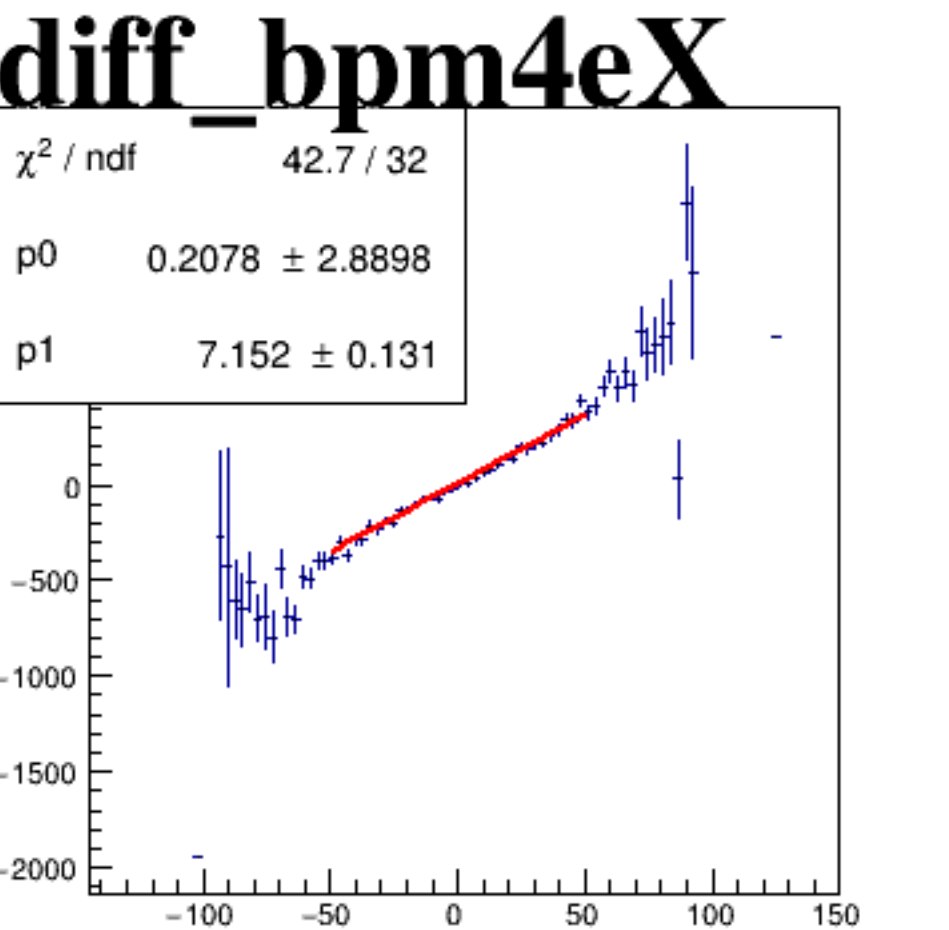
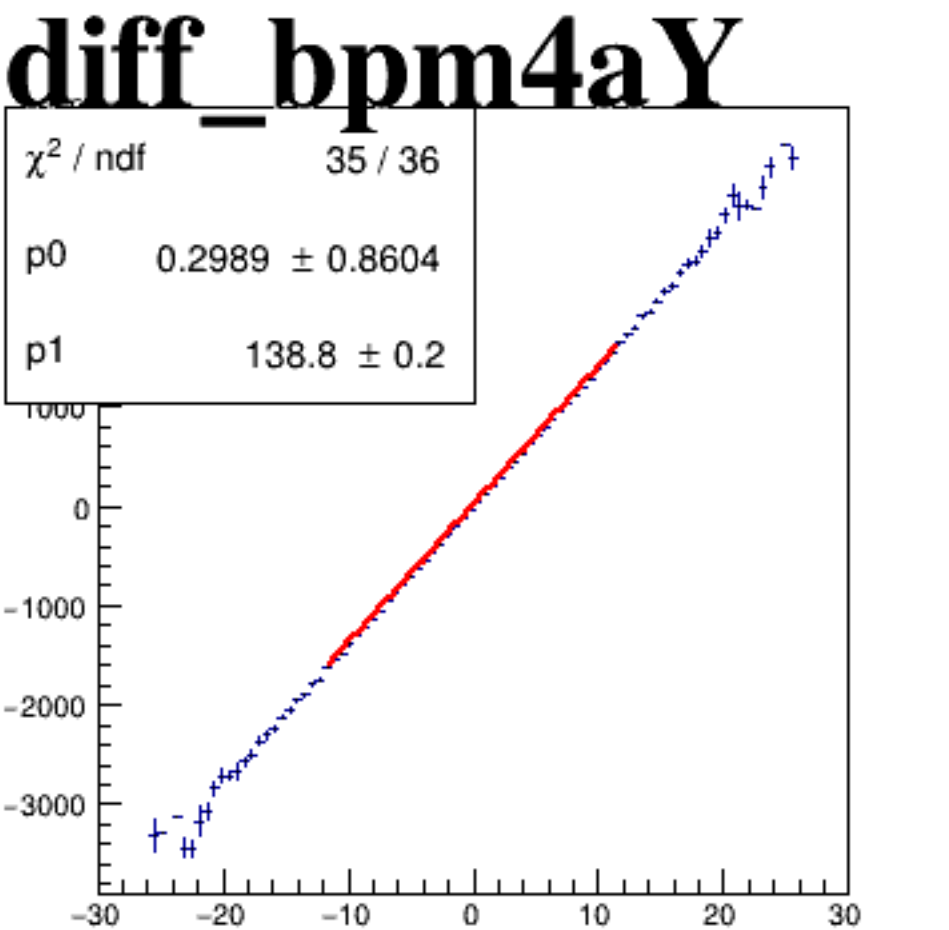
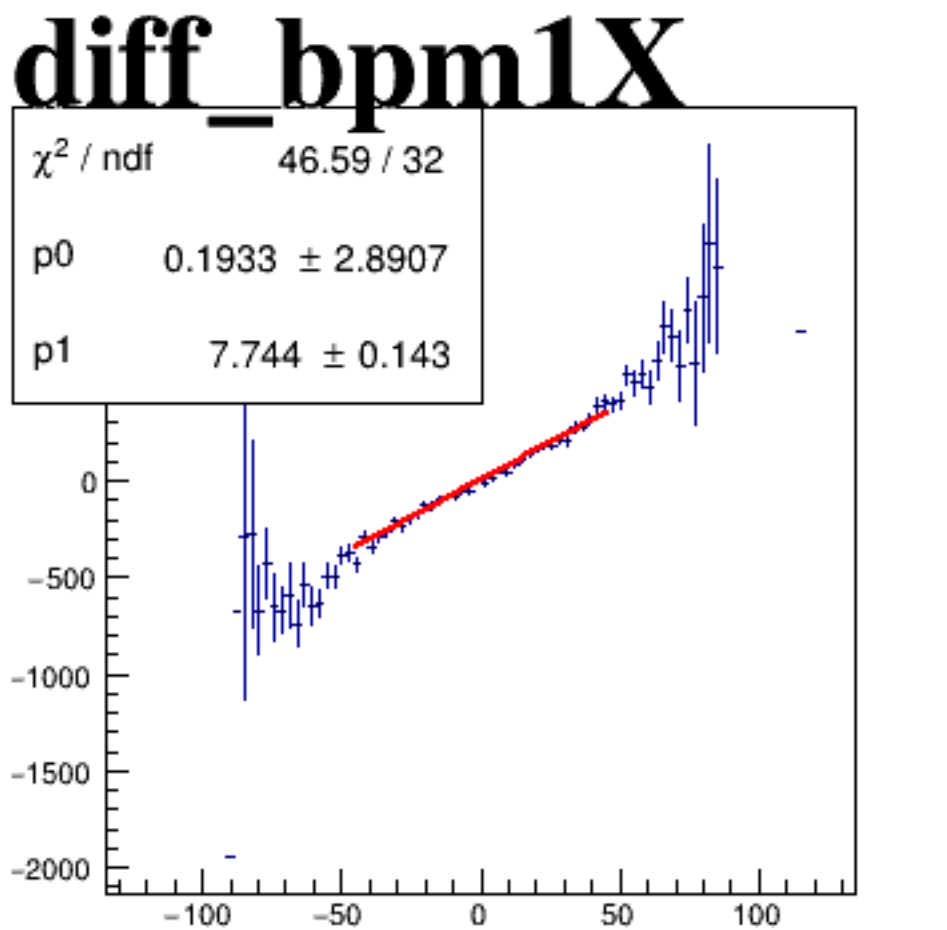
asym_sam1



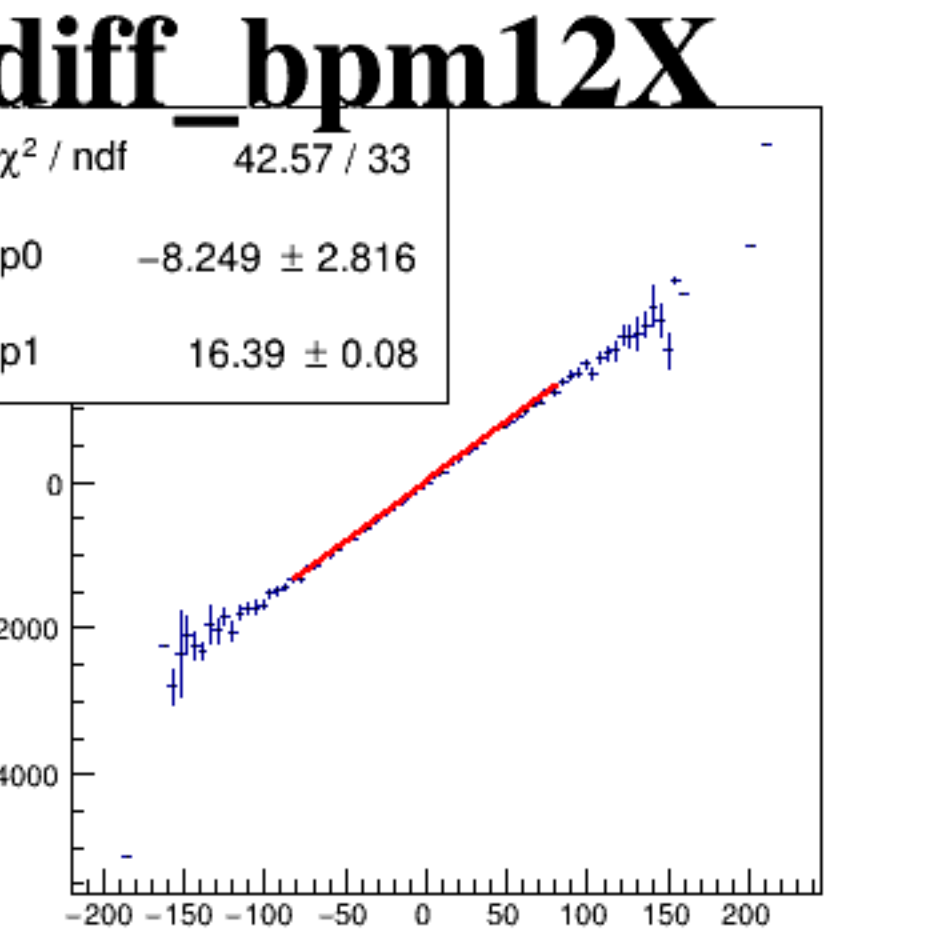
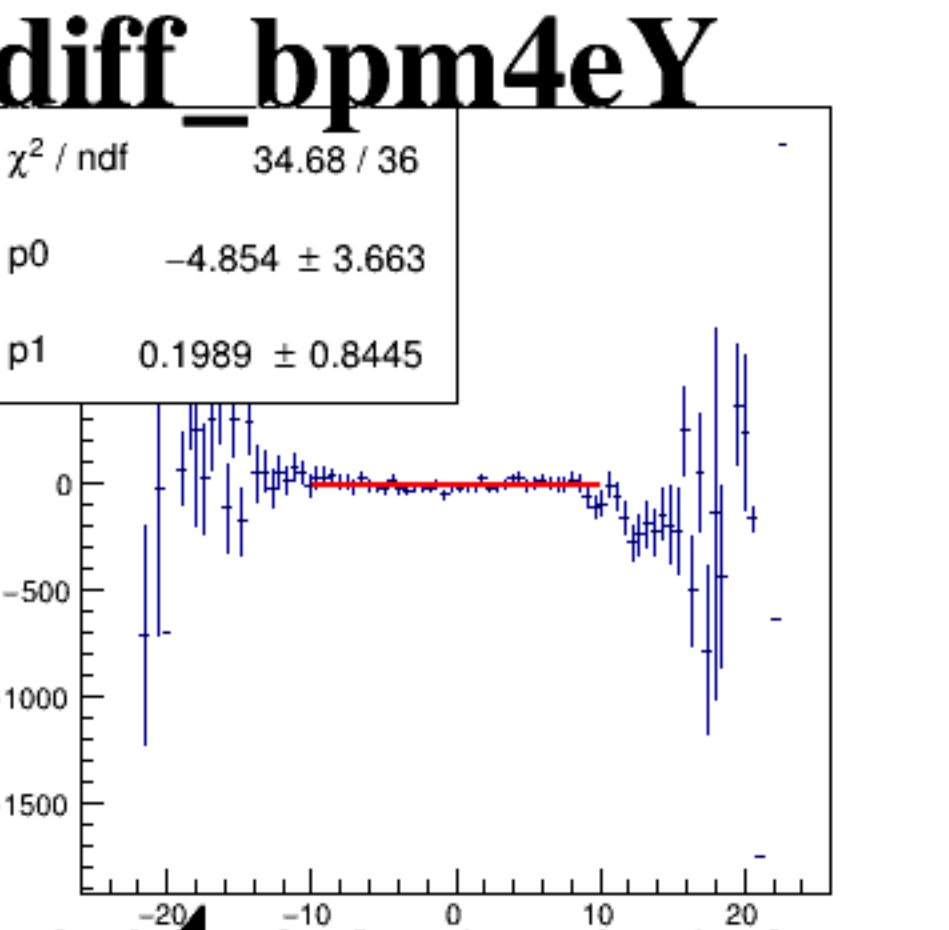
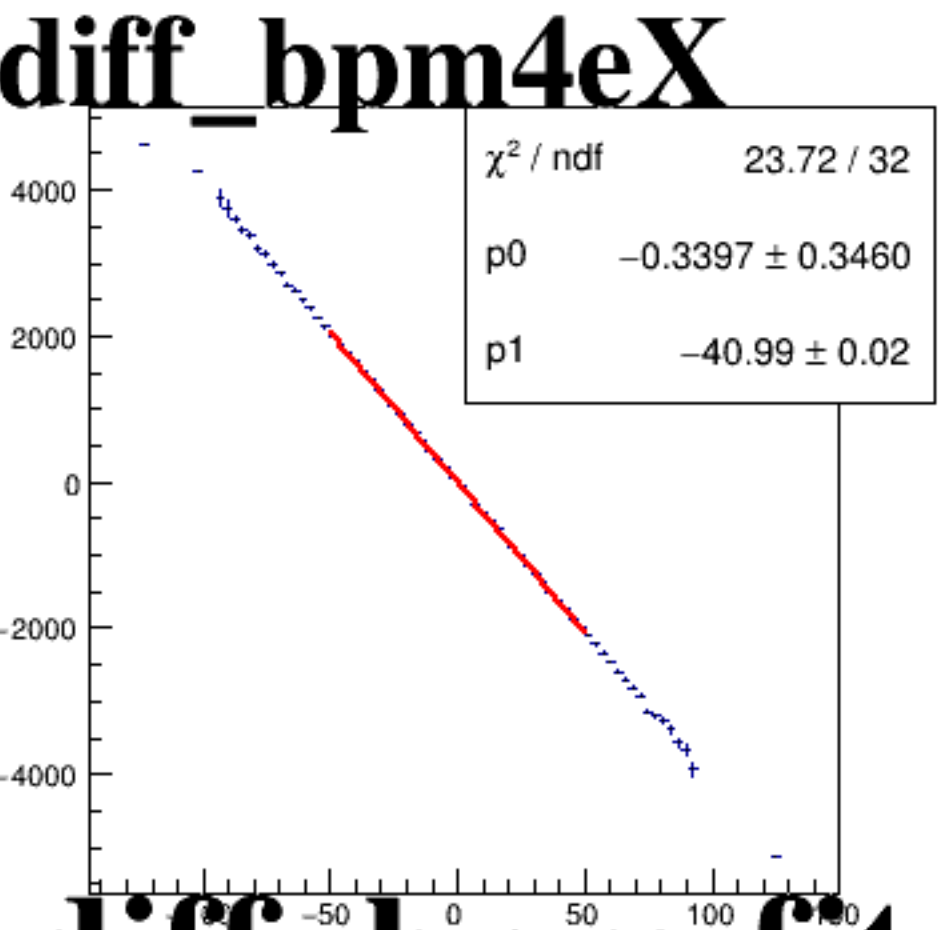
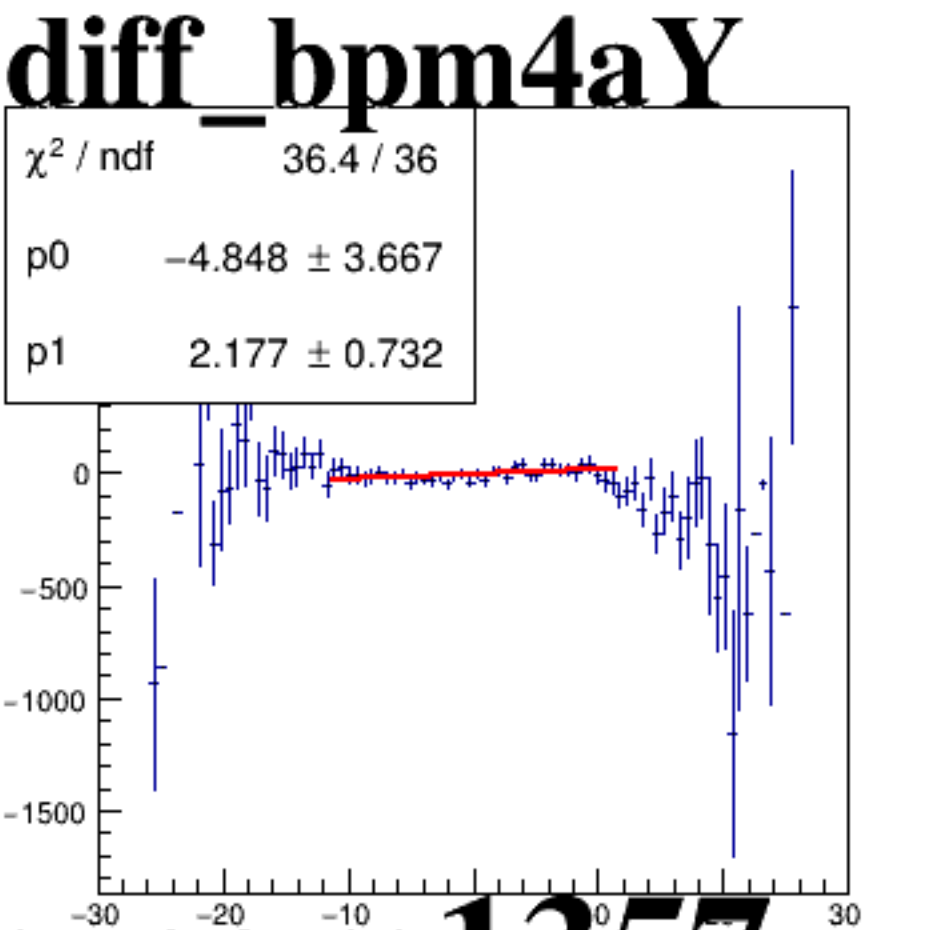
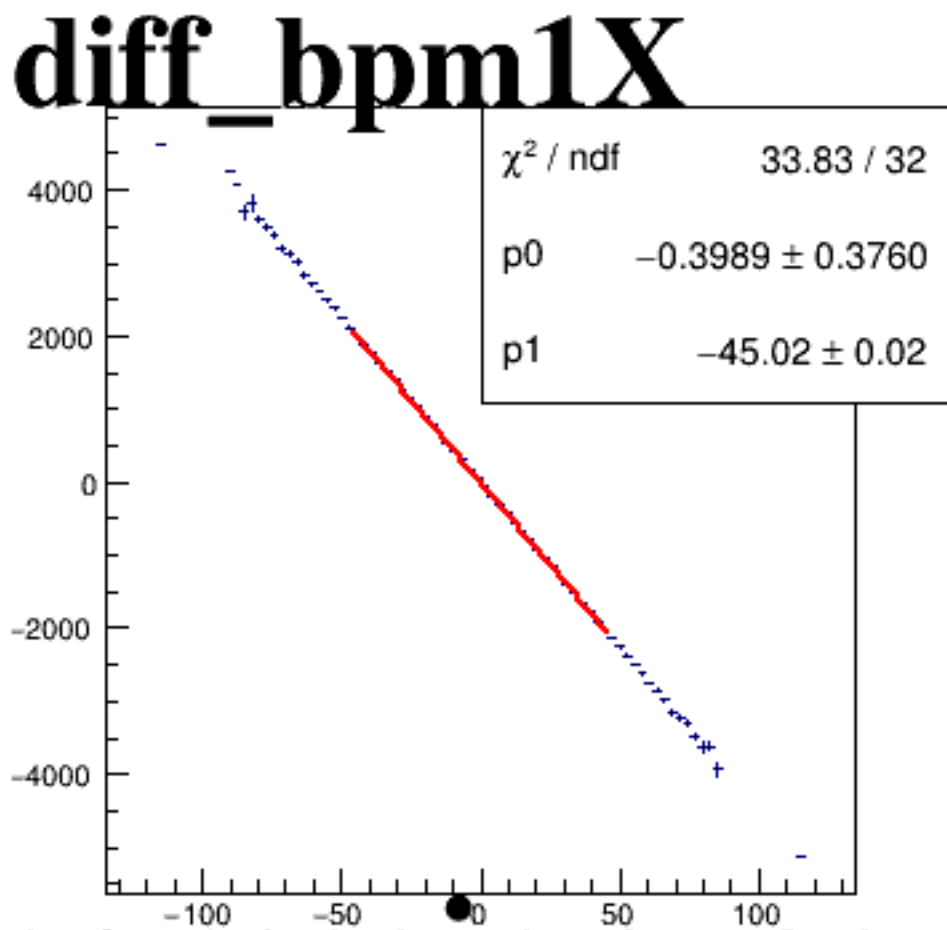
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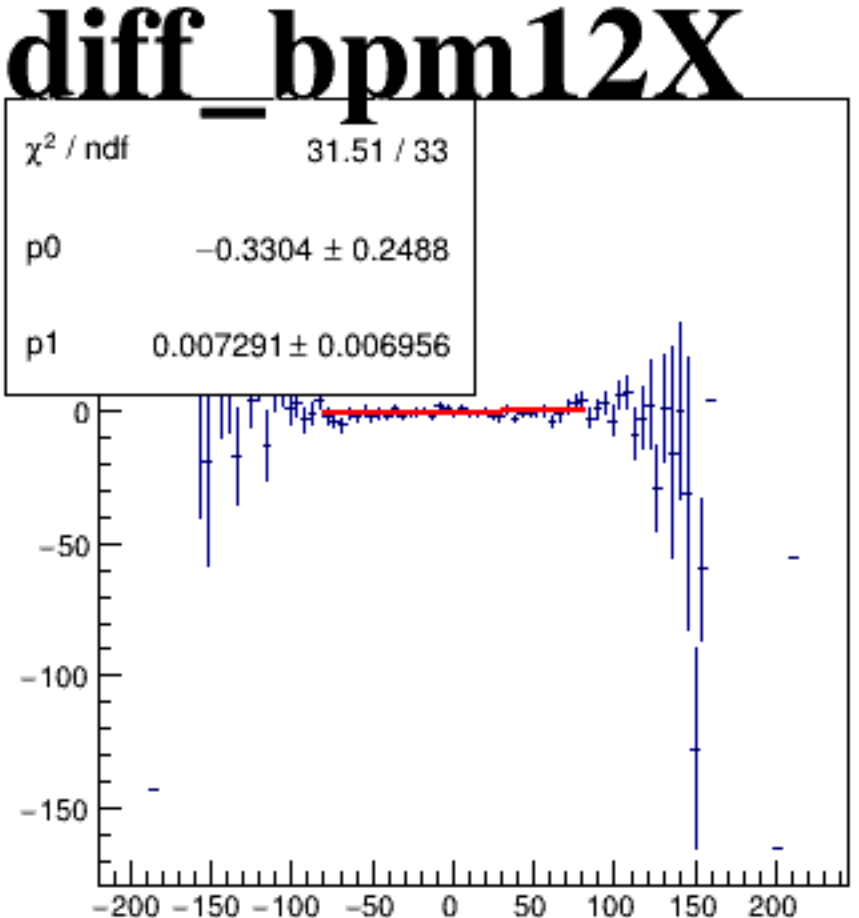
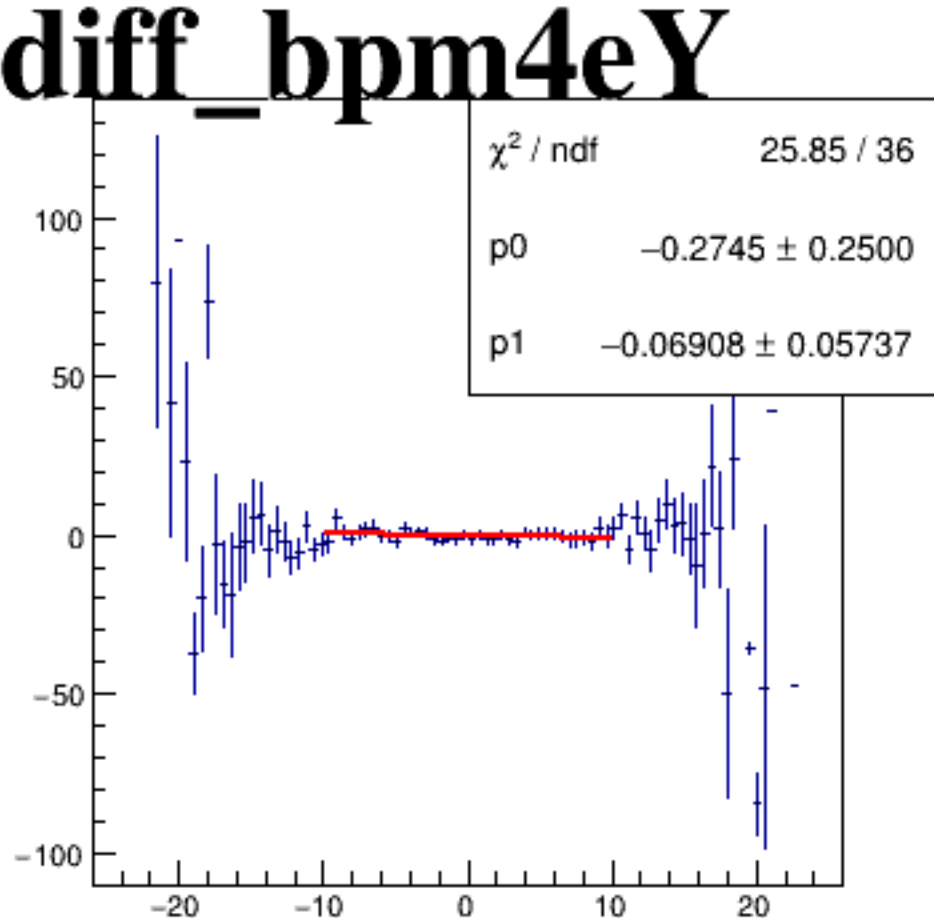
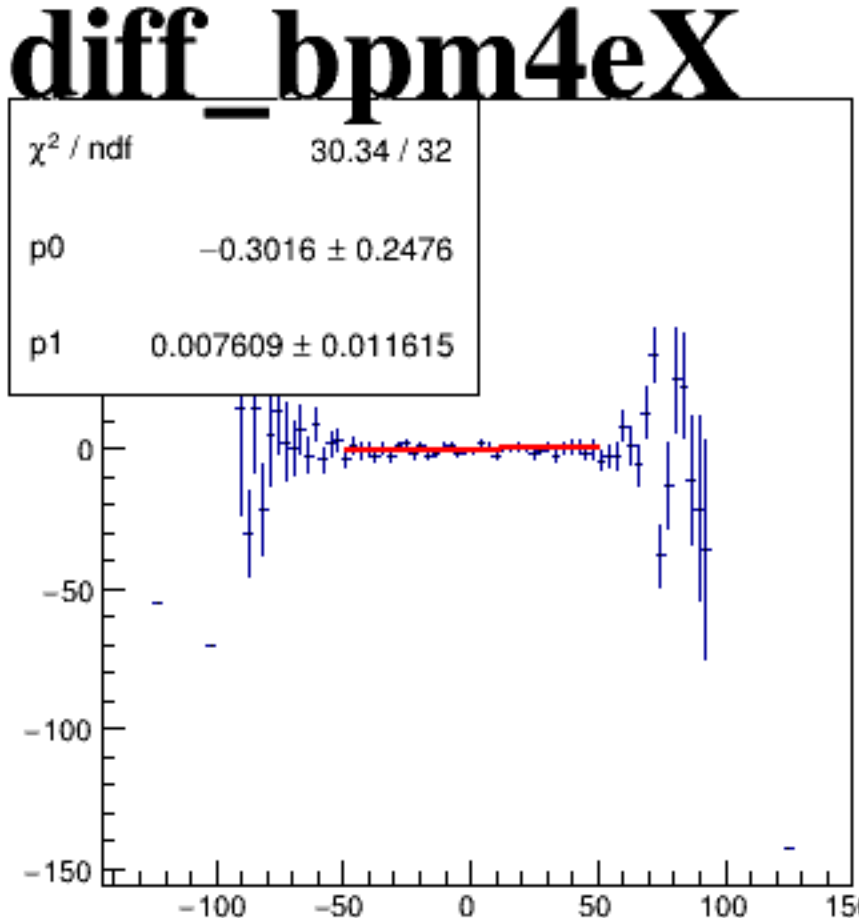
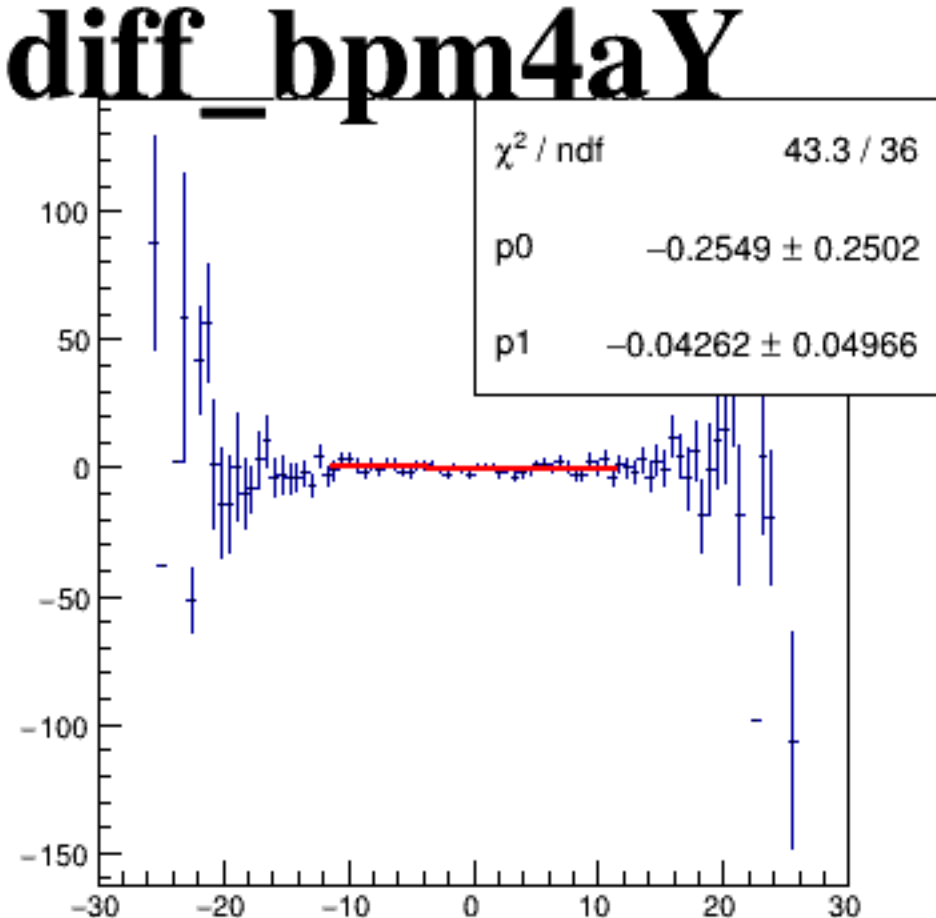
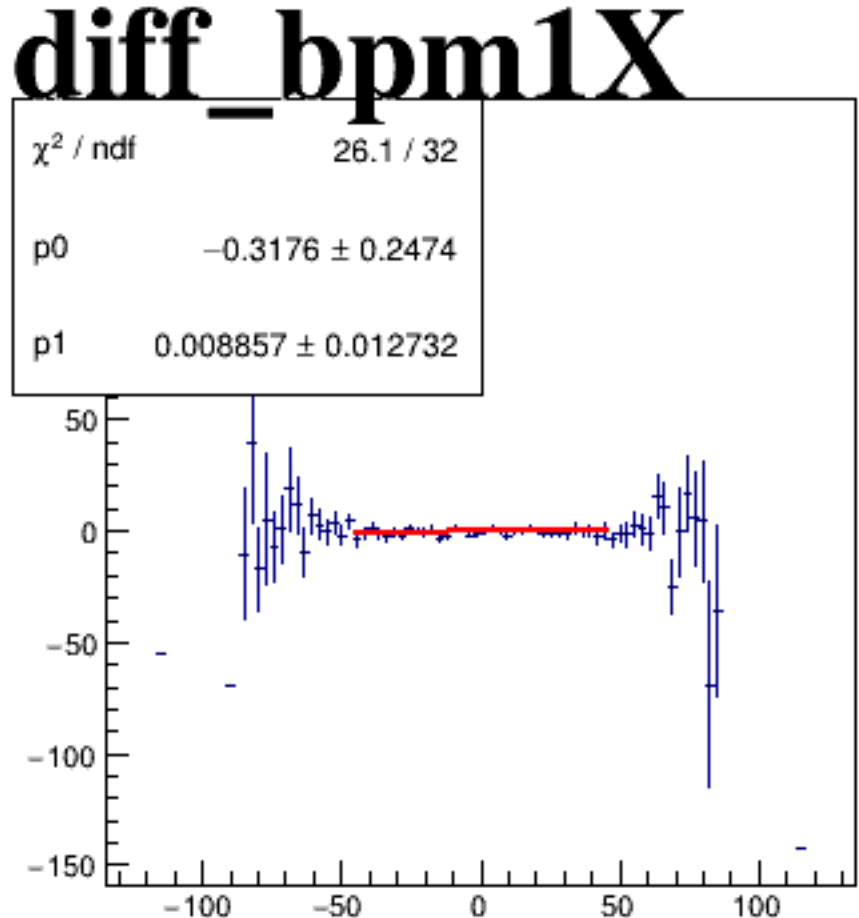
asym_sam5



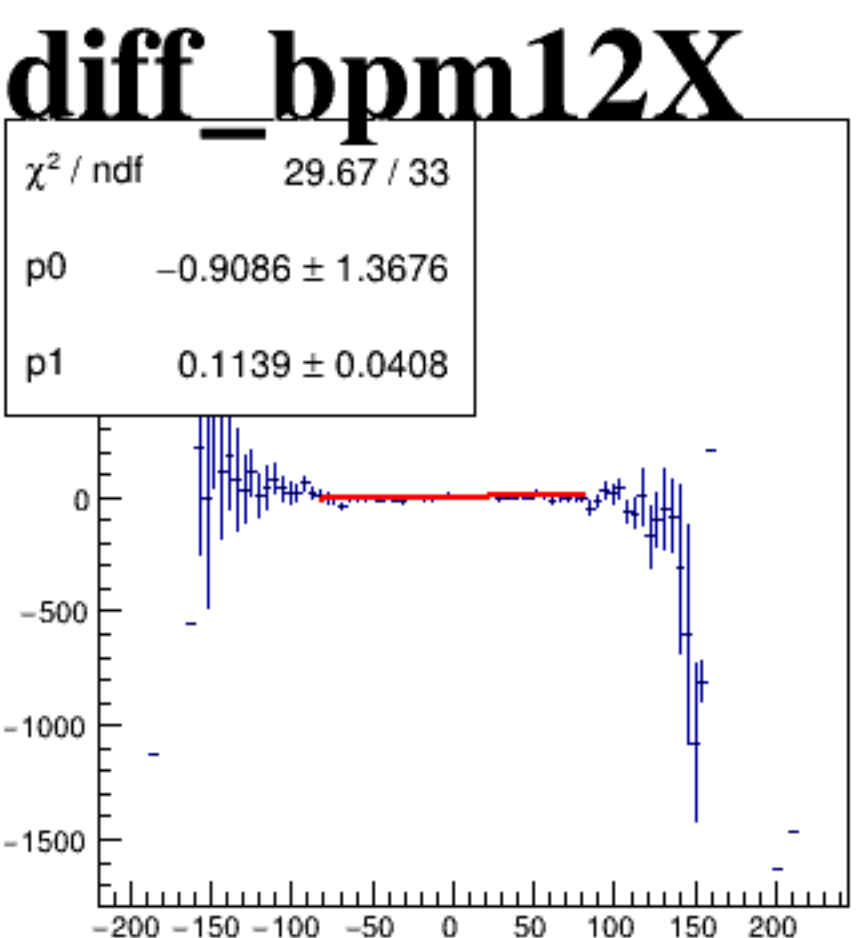
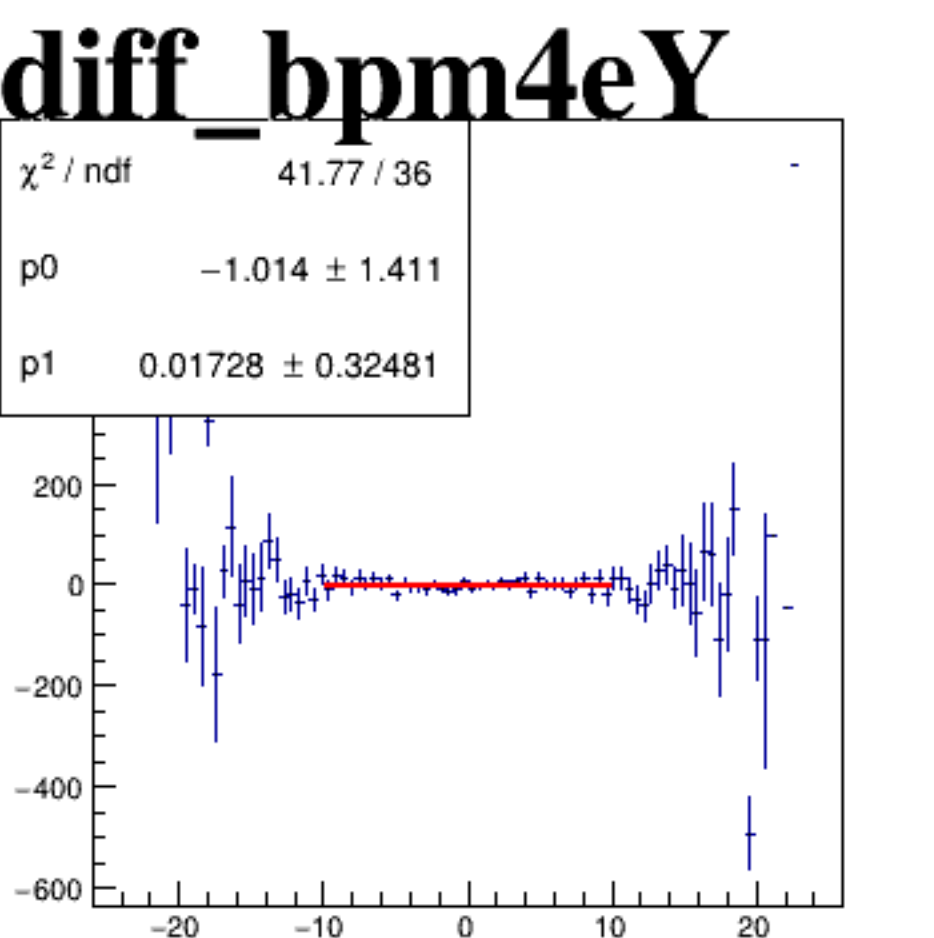
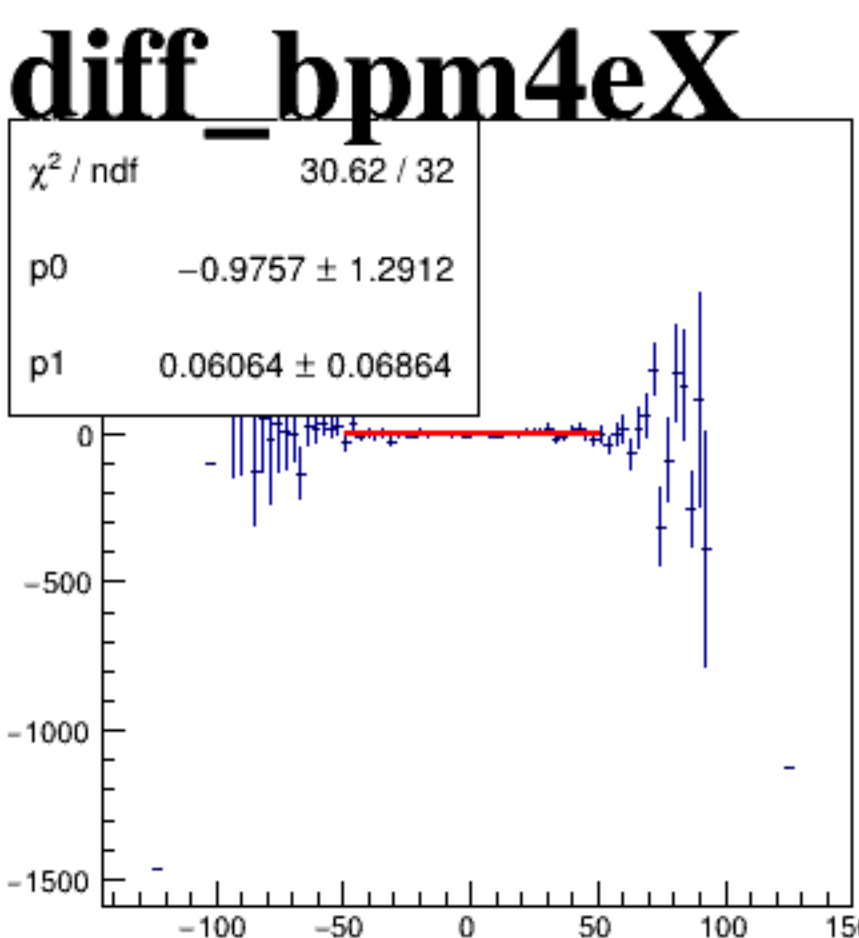
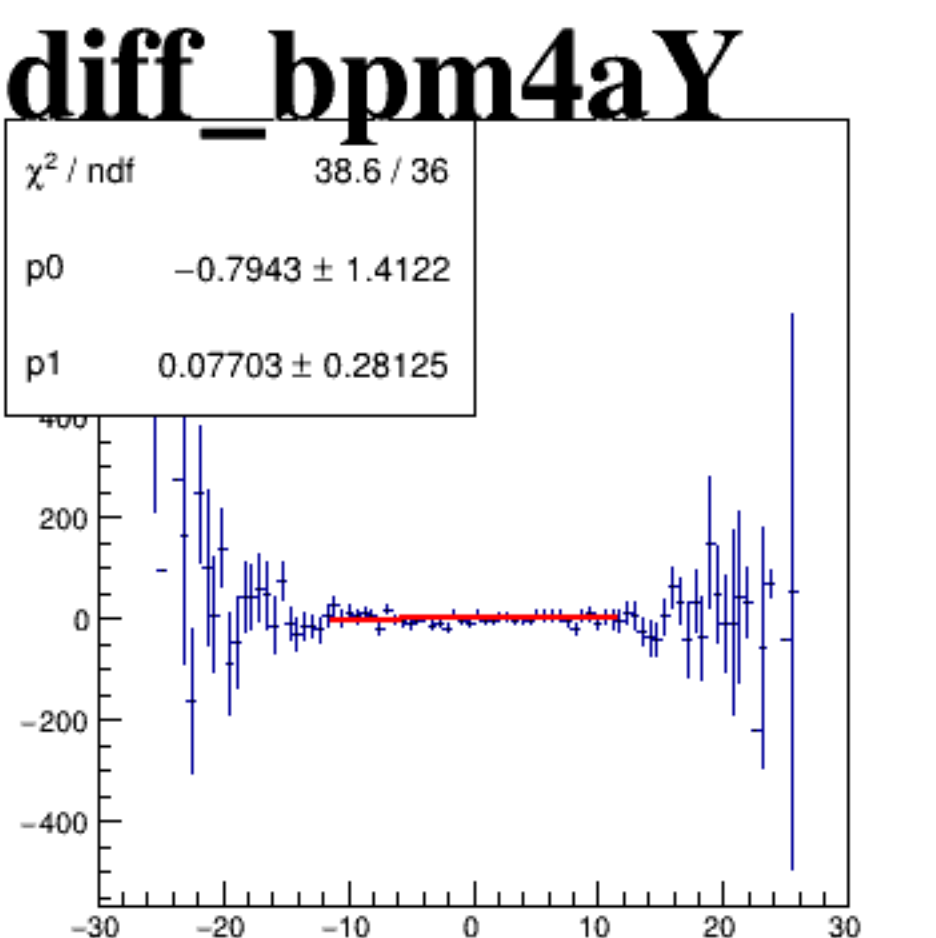
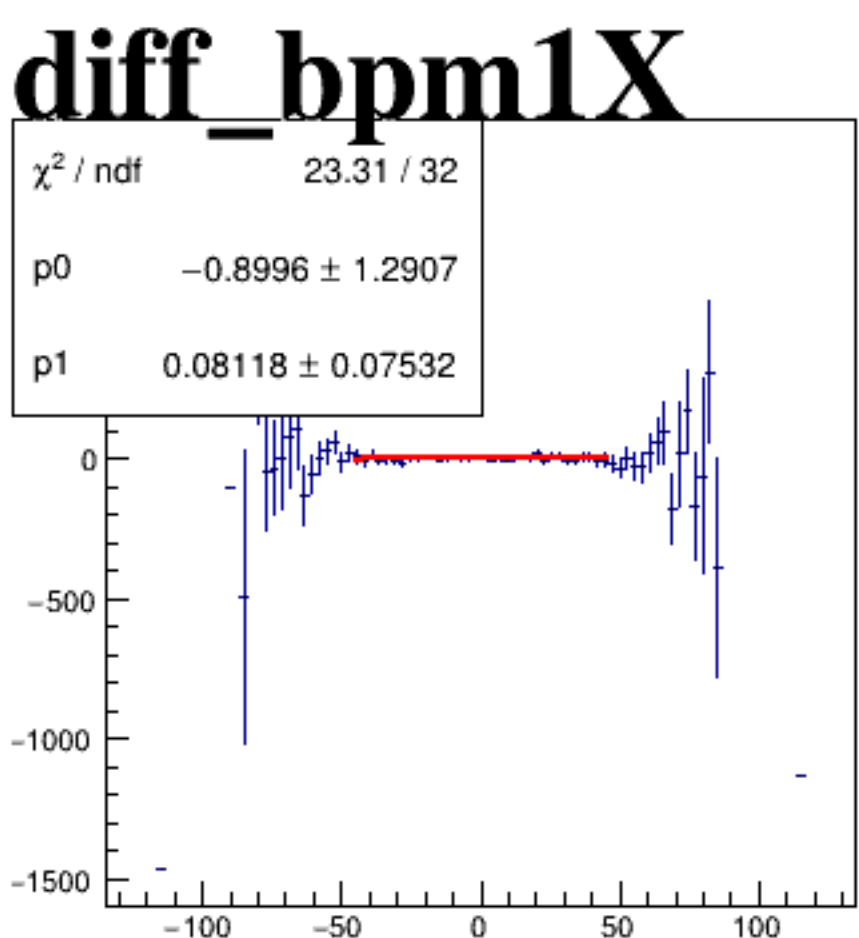
asym_sam7



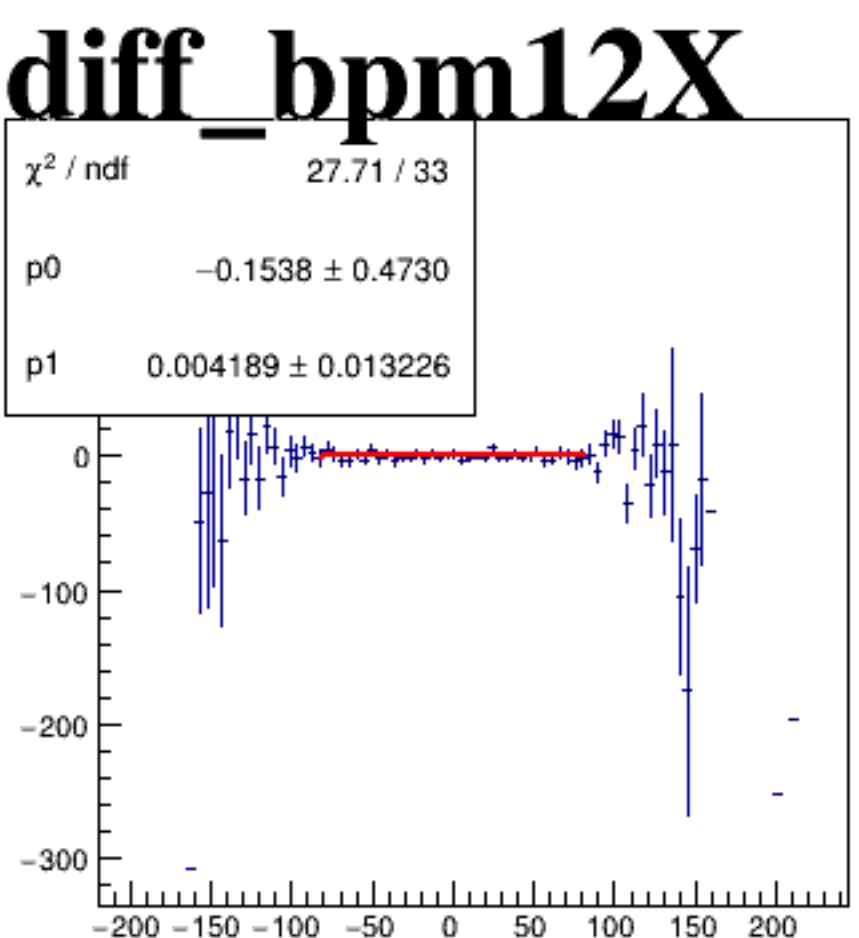
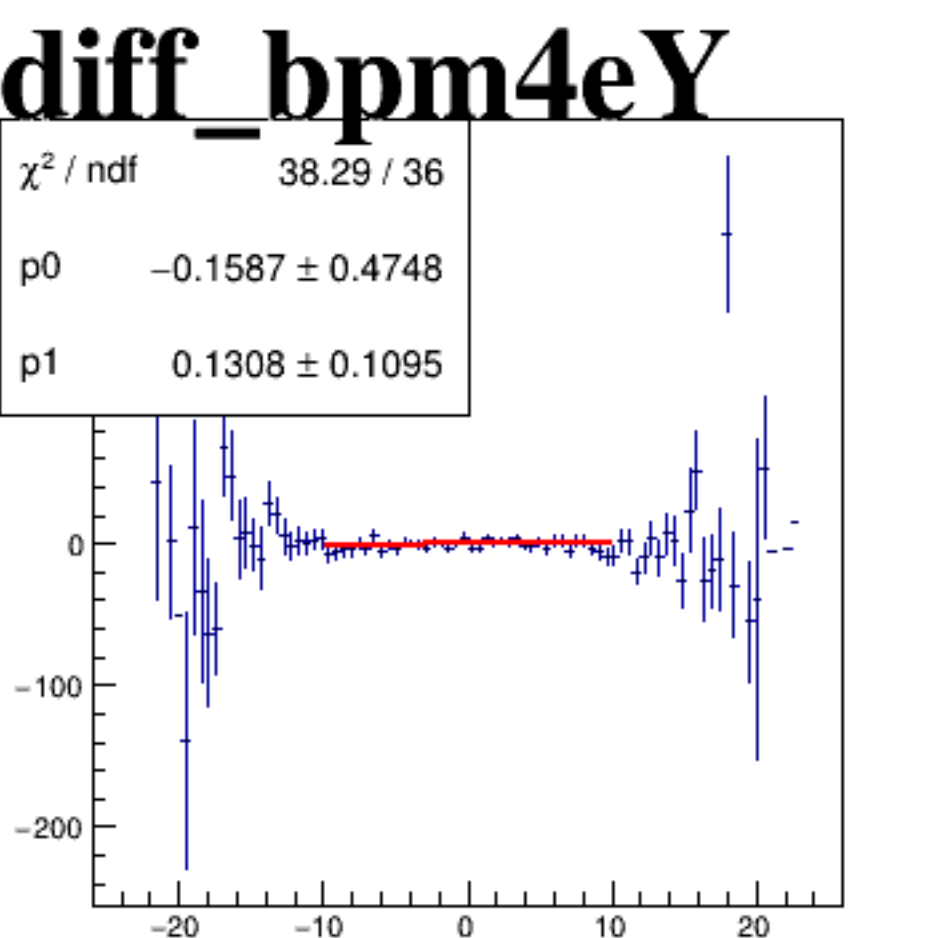
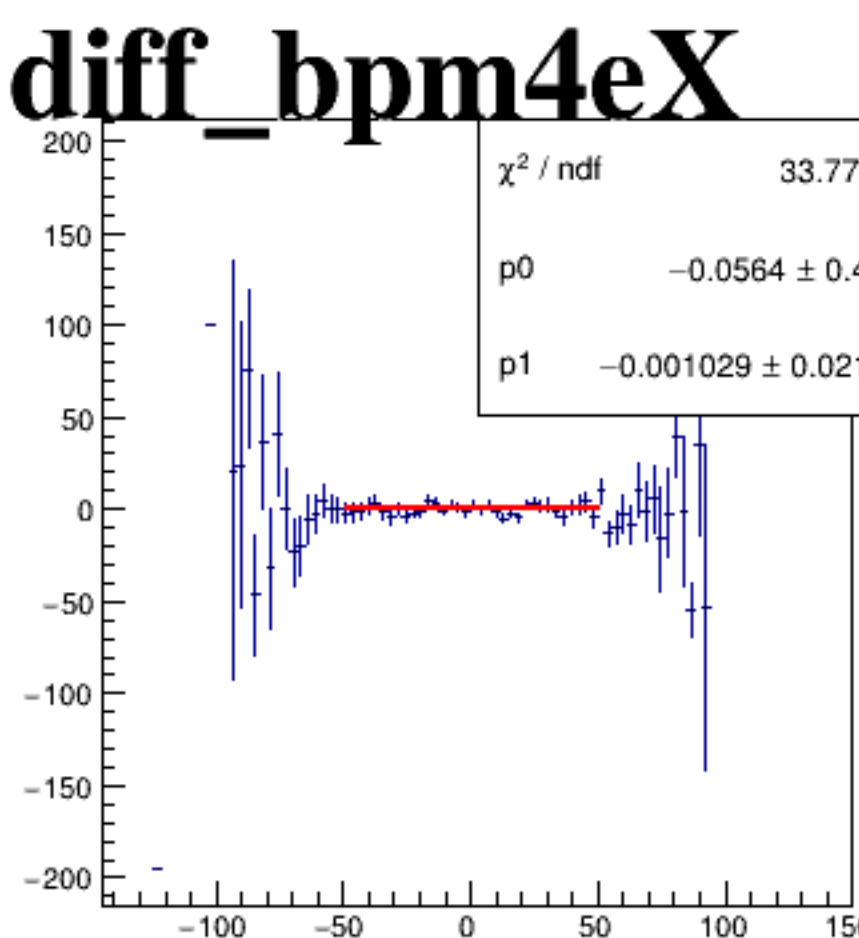
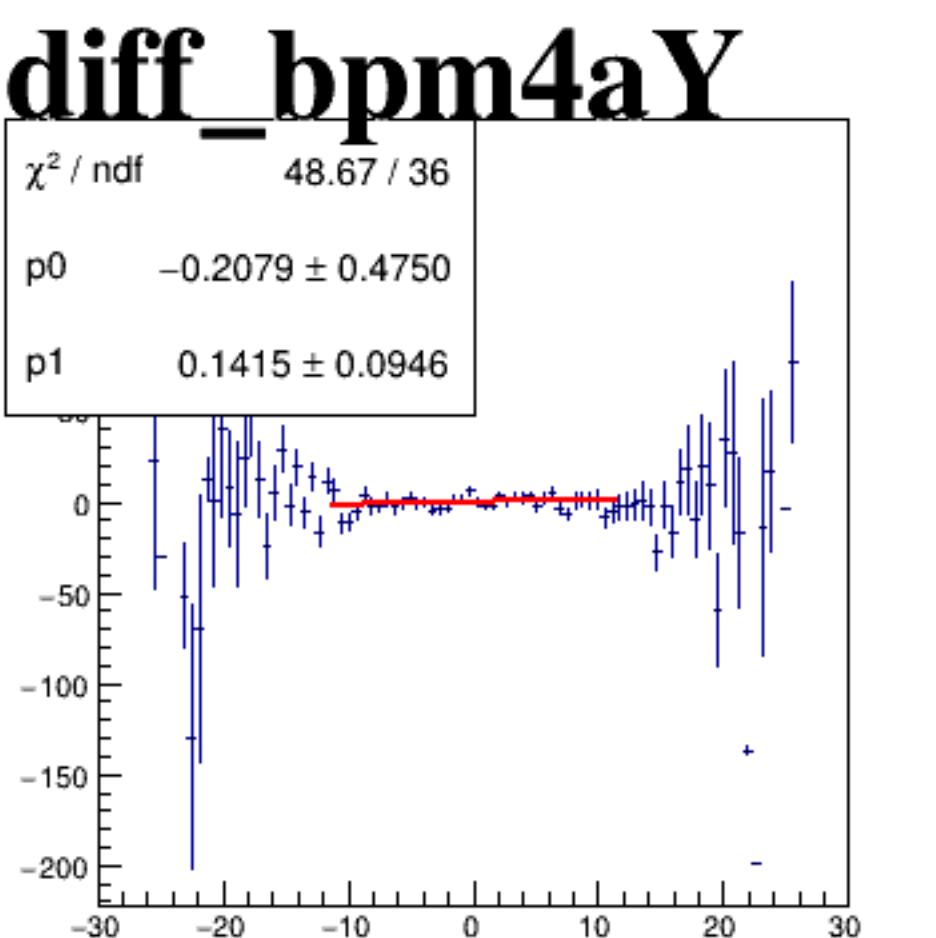
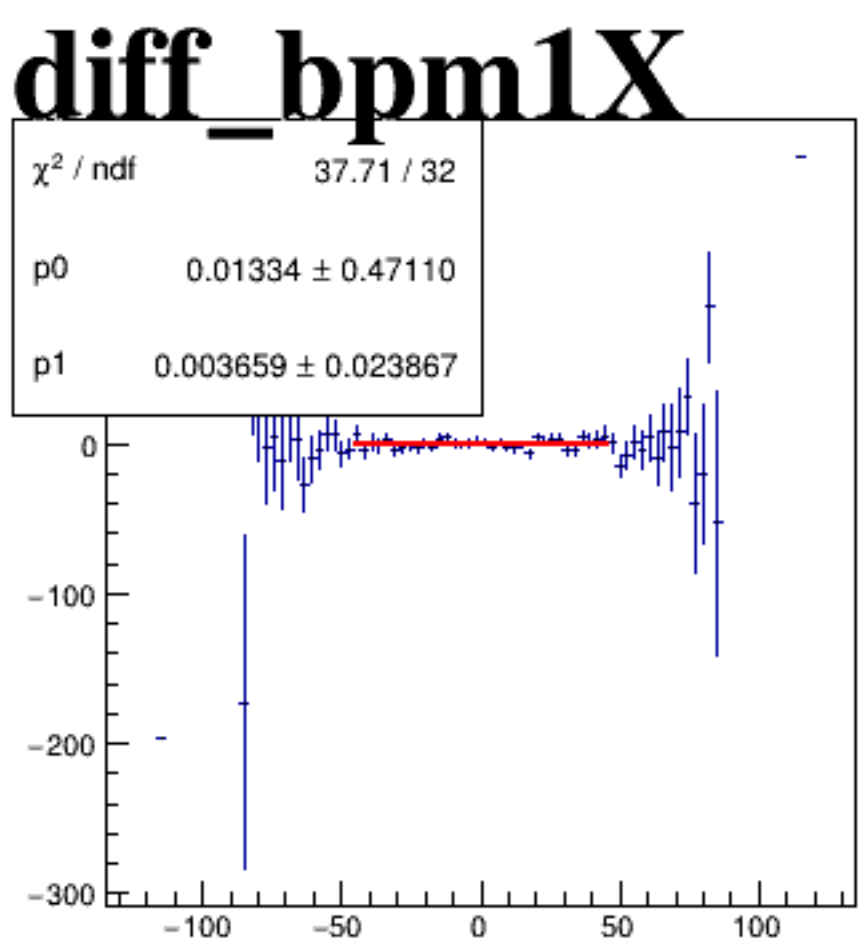
reg_asym_sam1



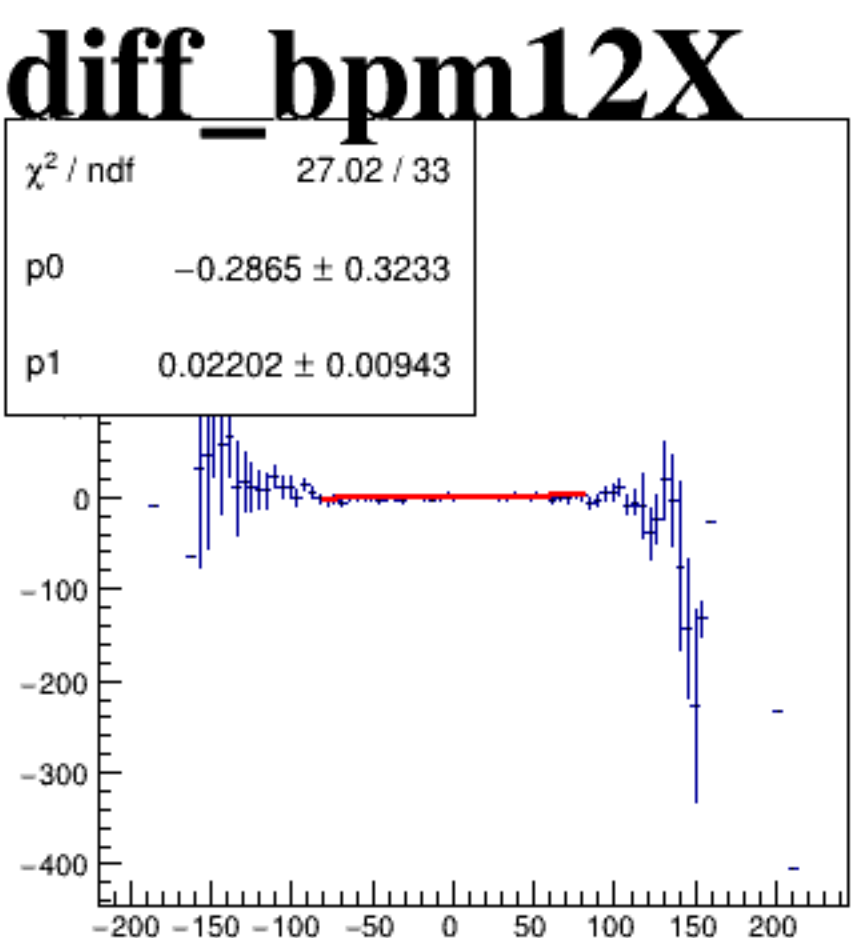
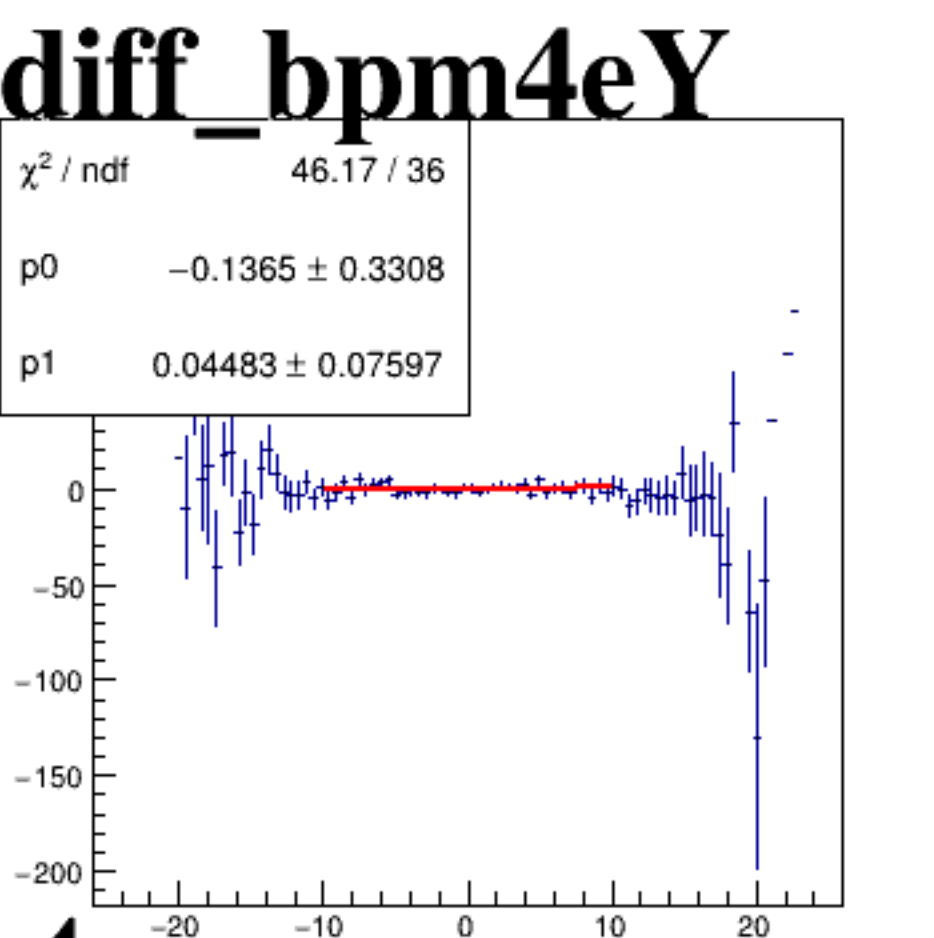
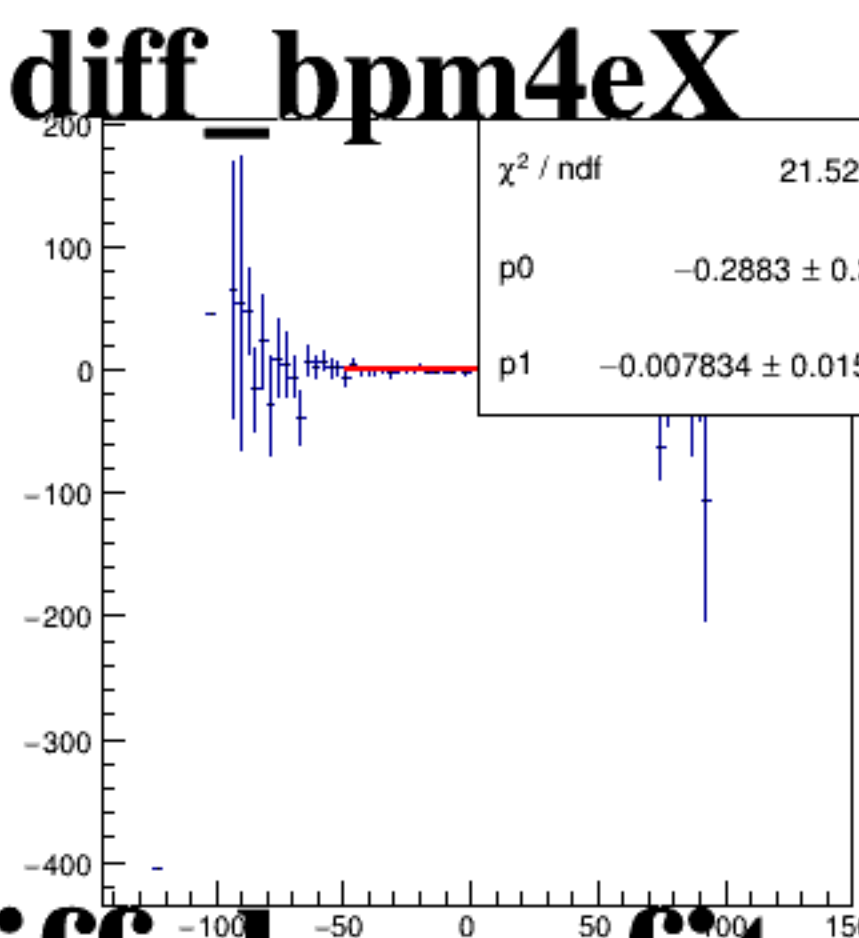
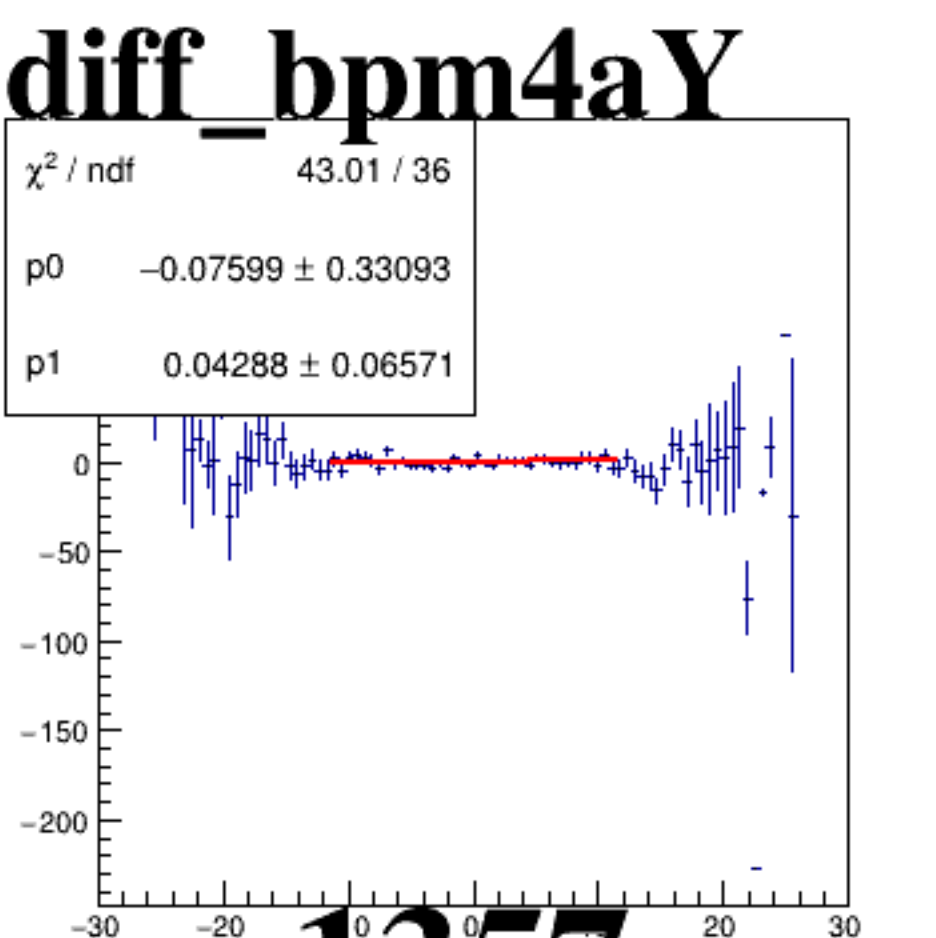
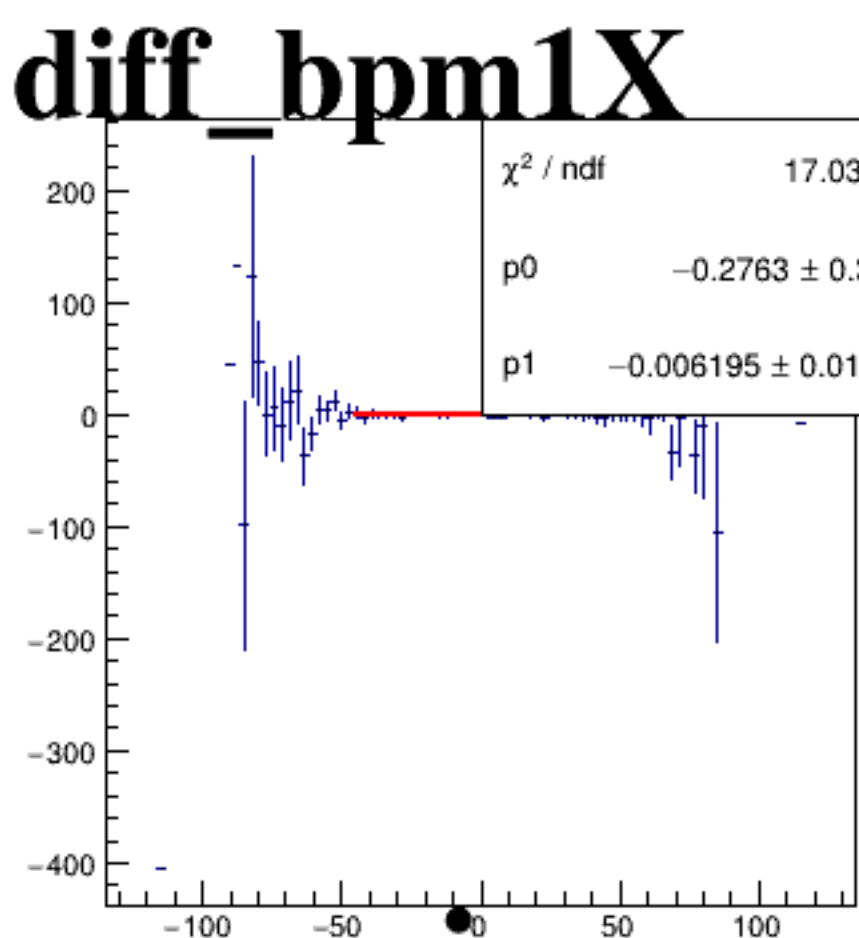
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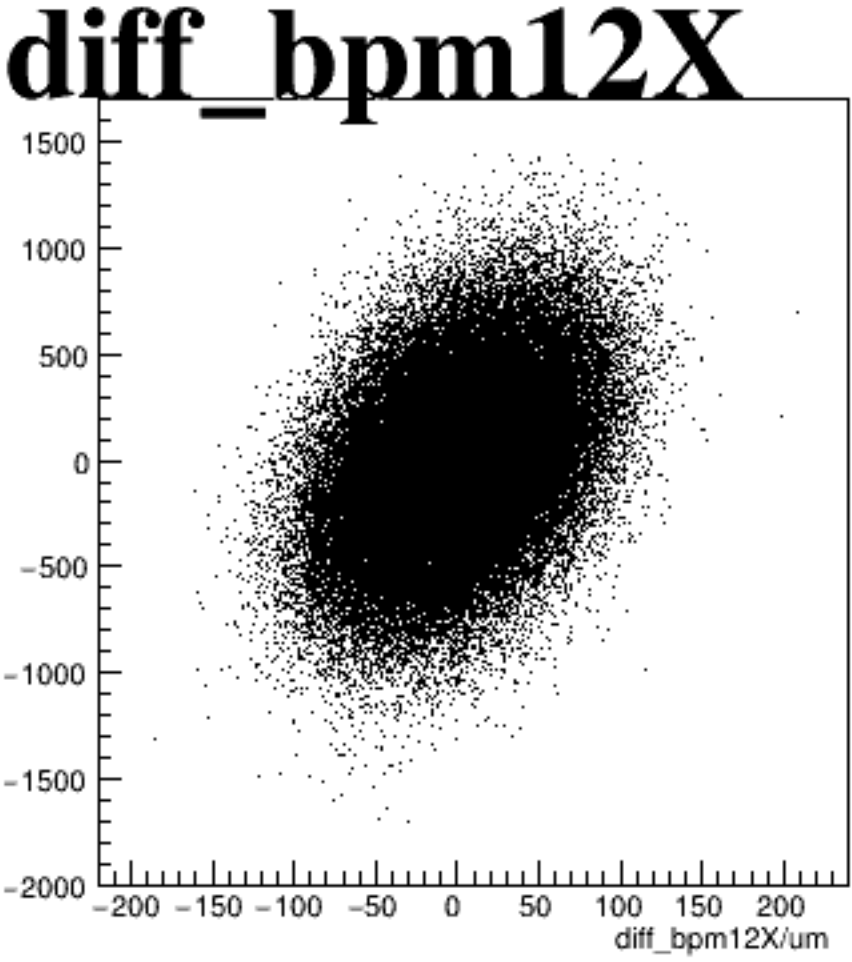
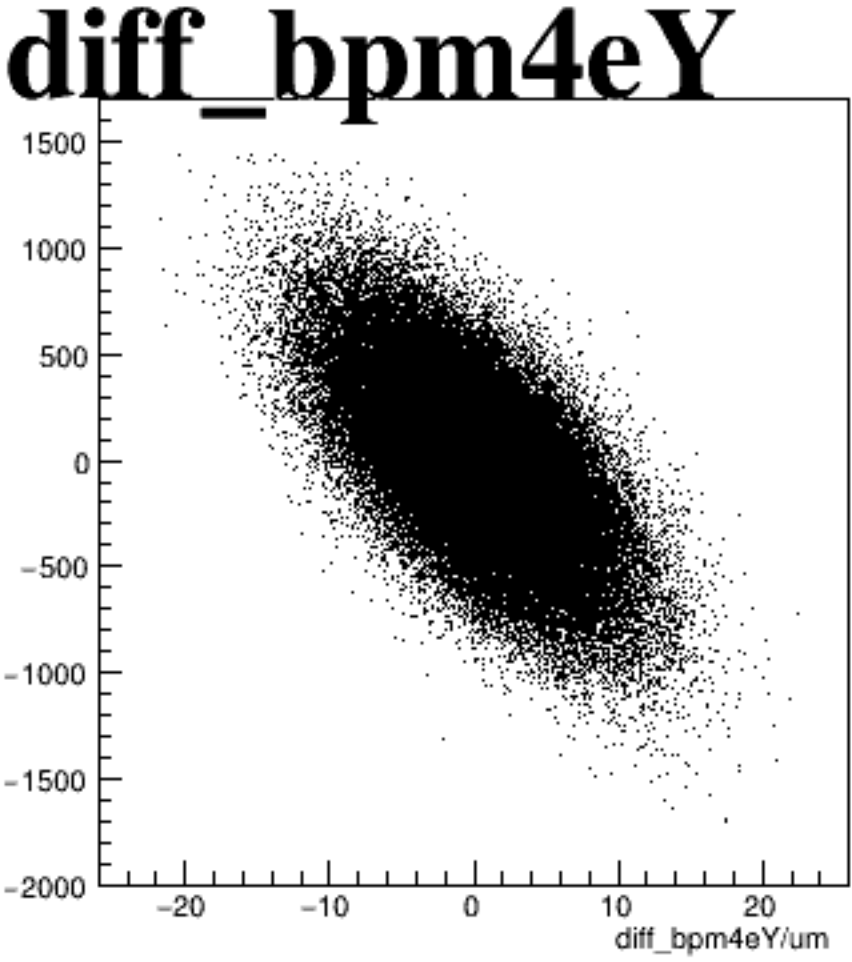
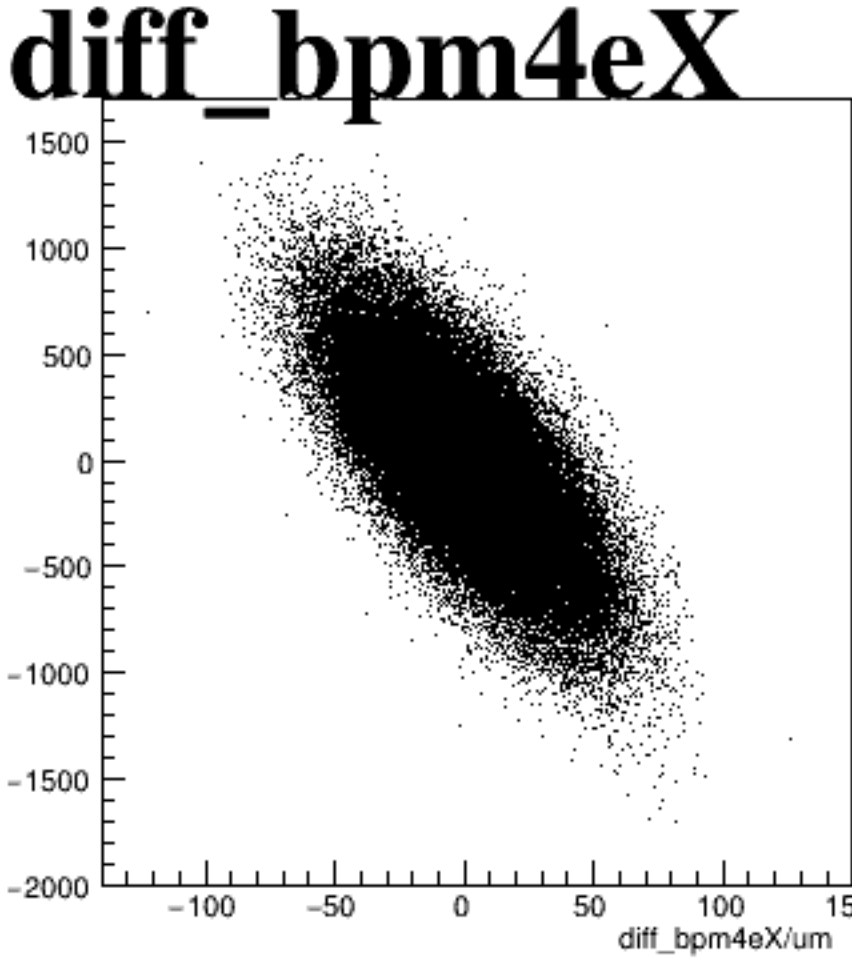
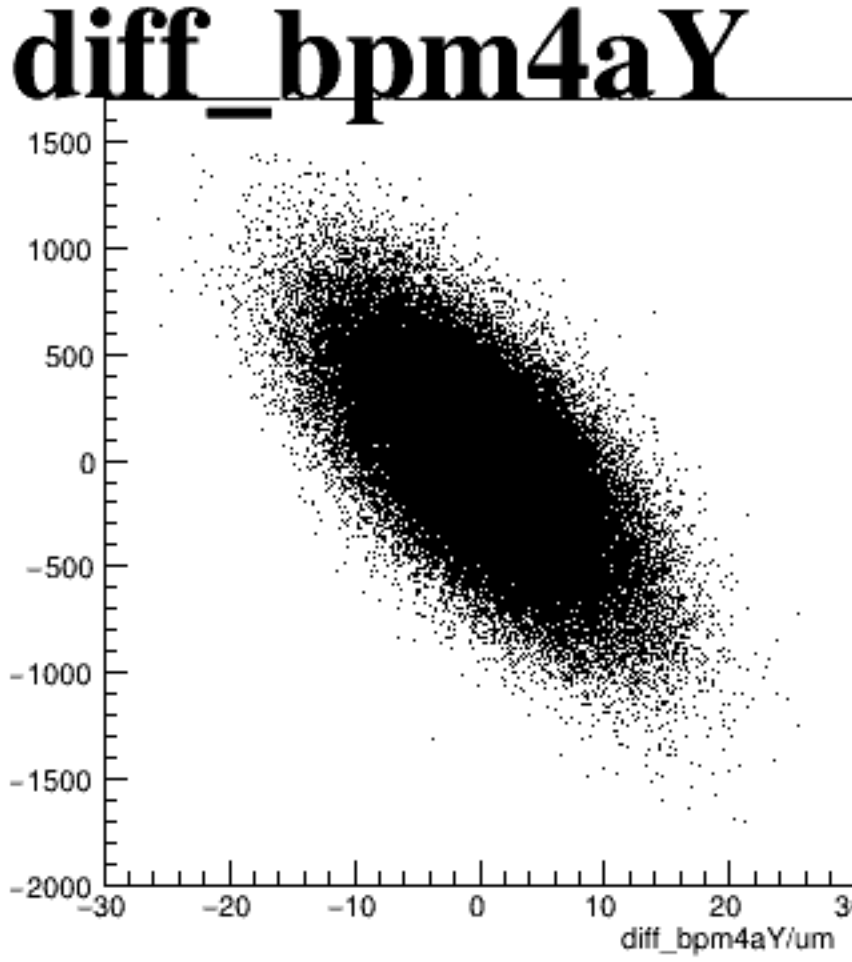
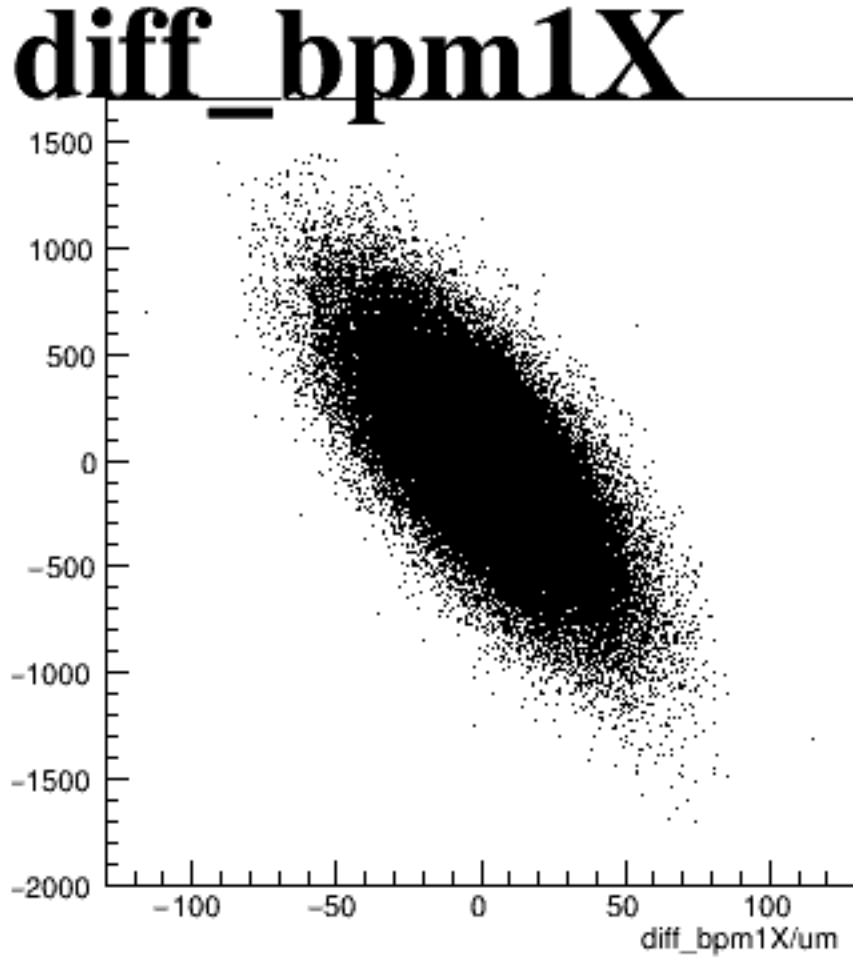
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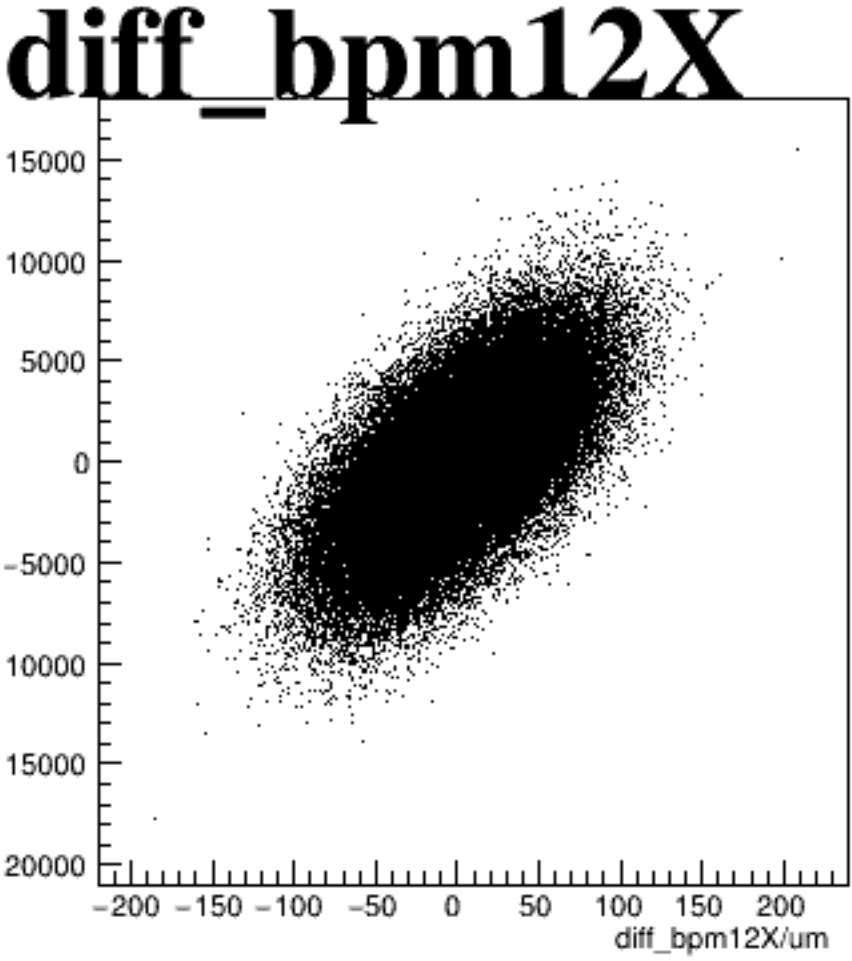
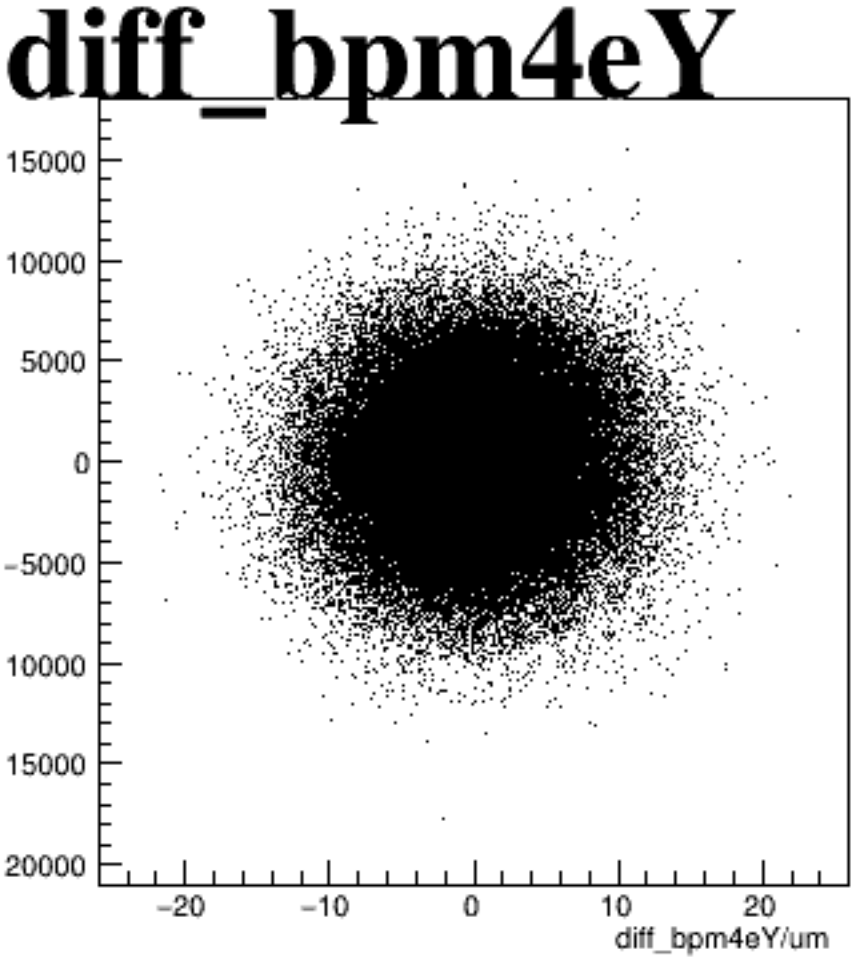
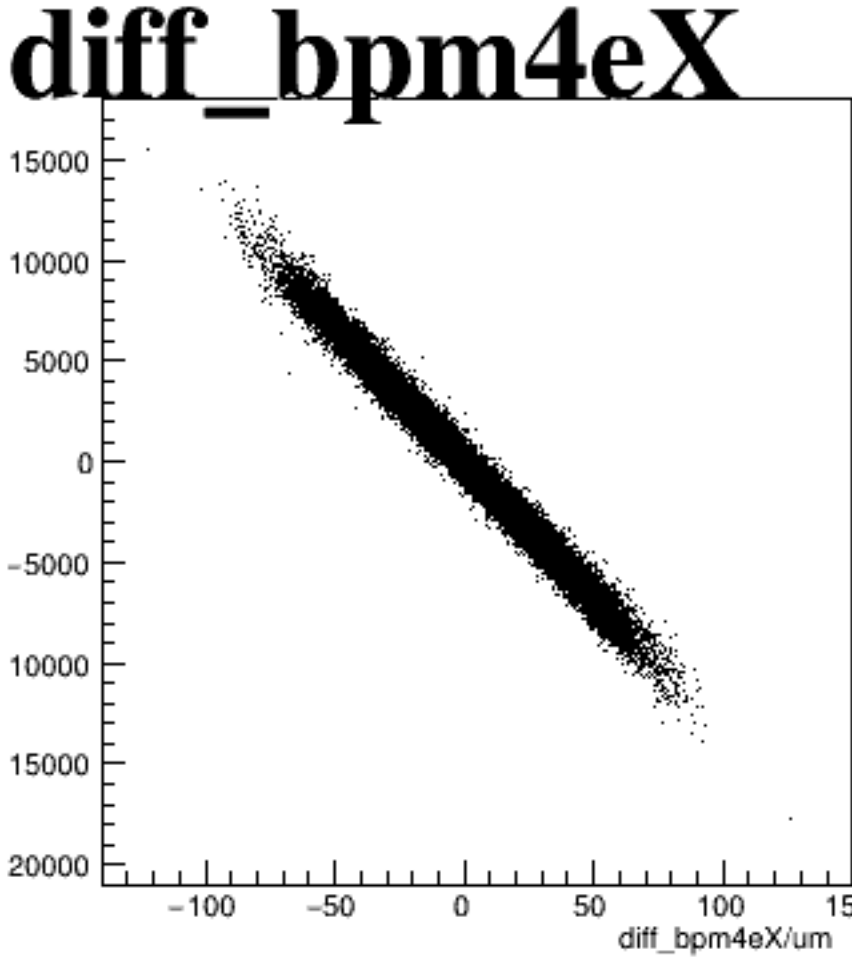
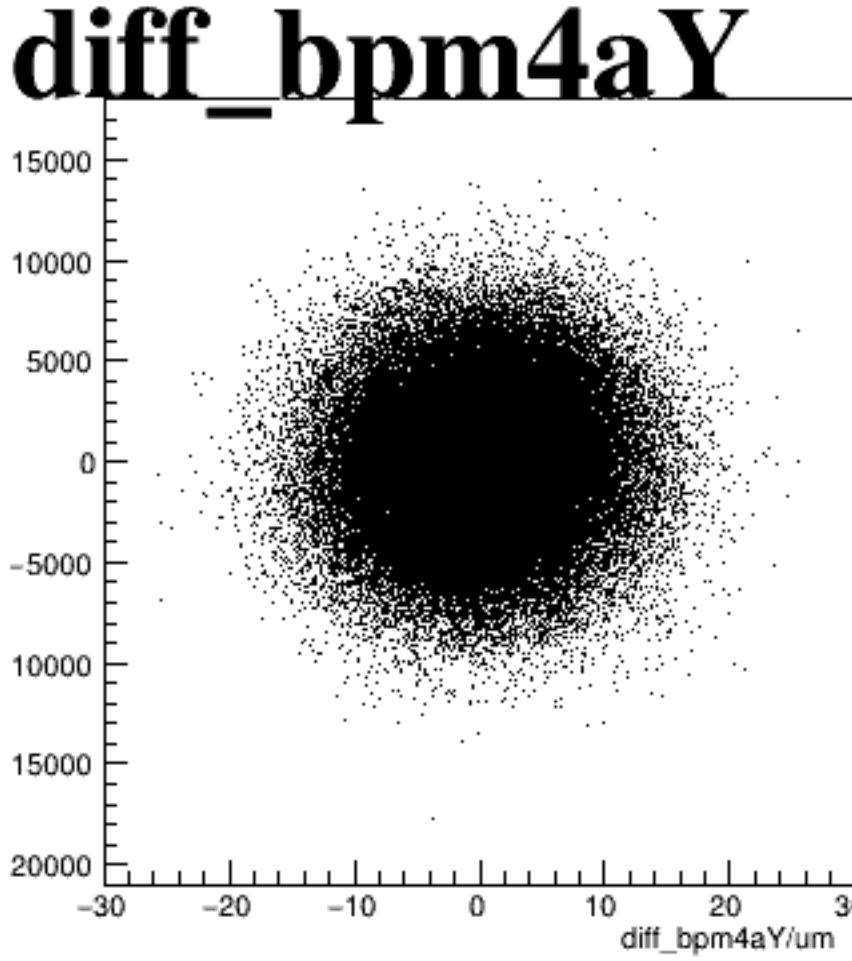
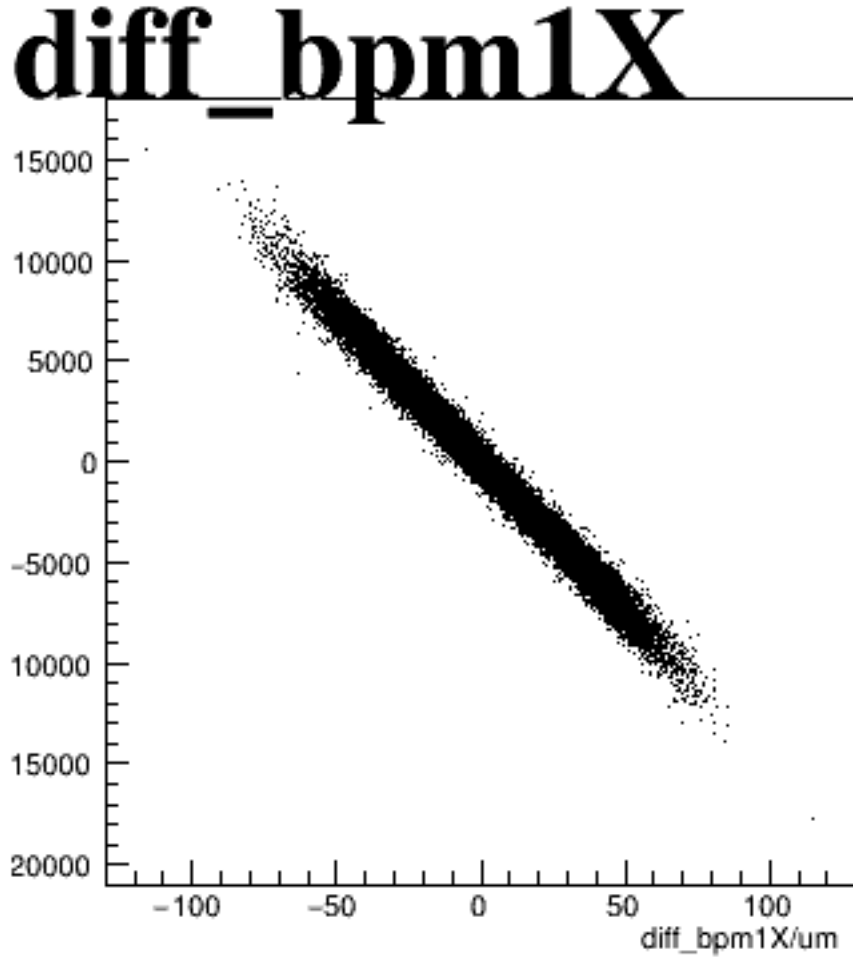
reg_asym_sam7



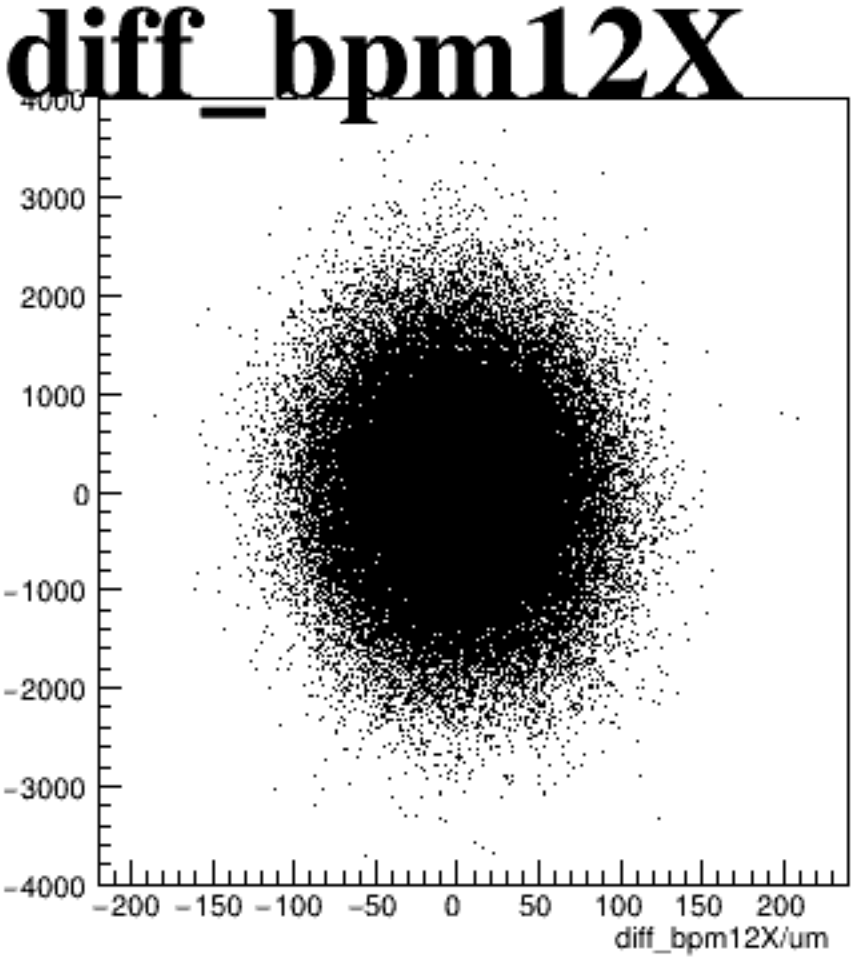
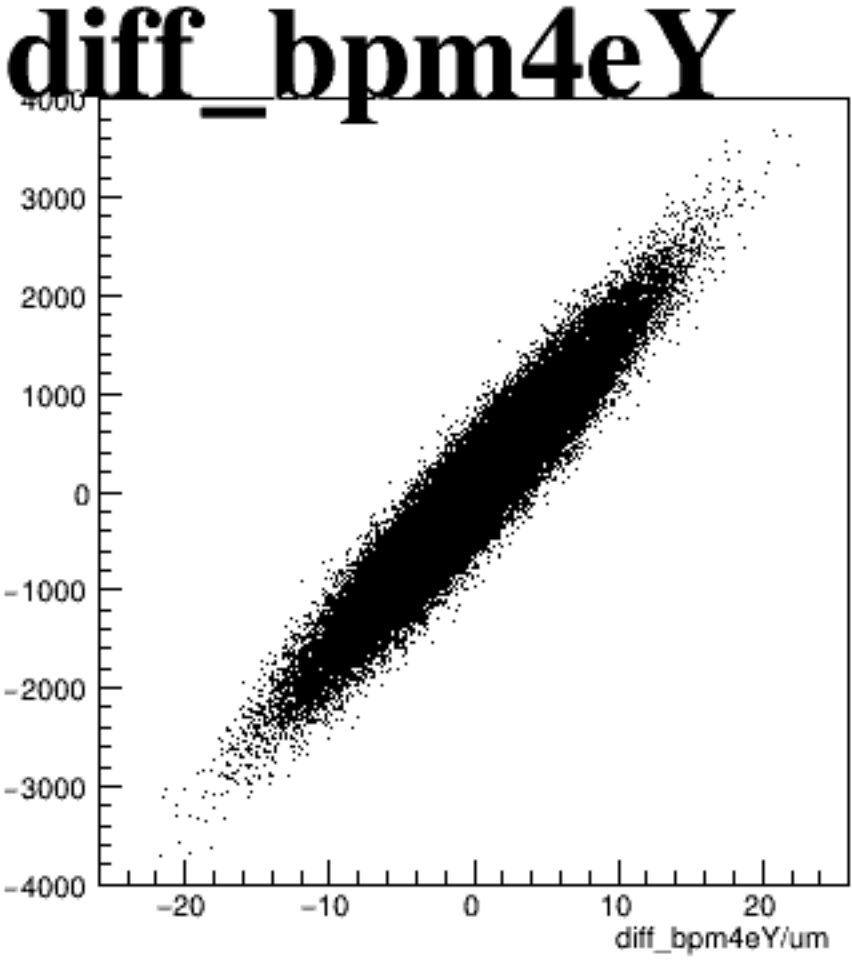
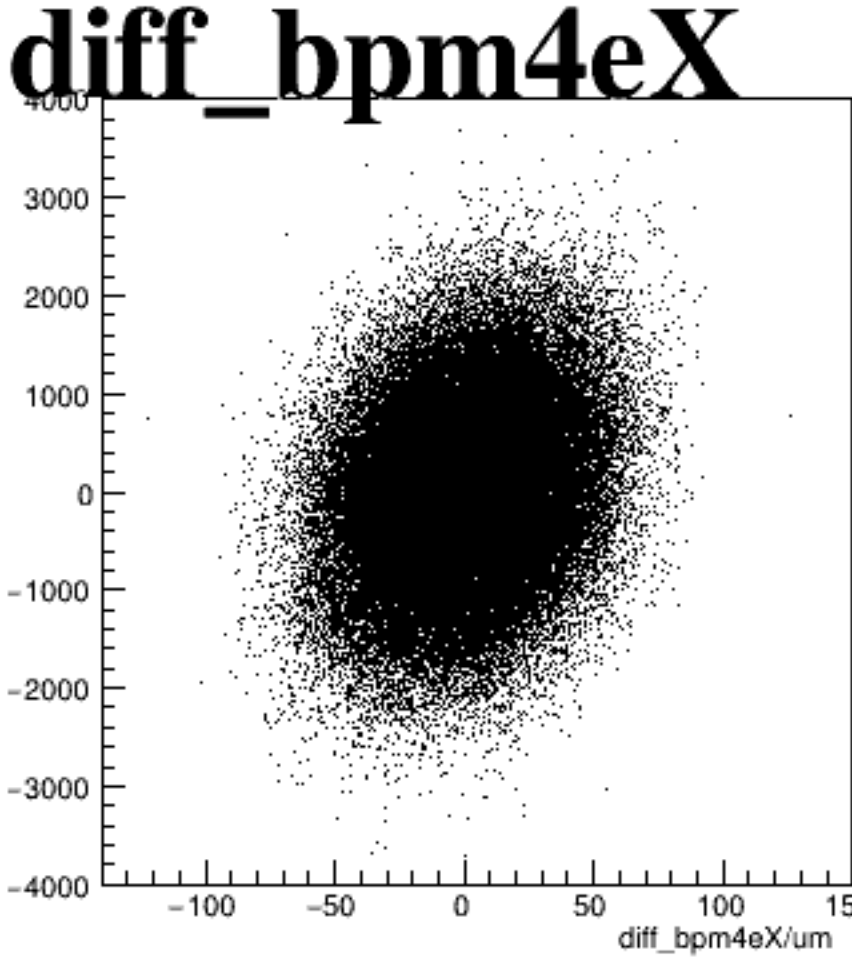
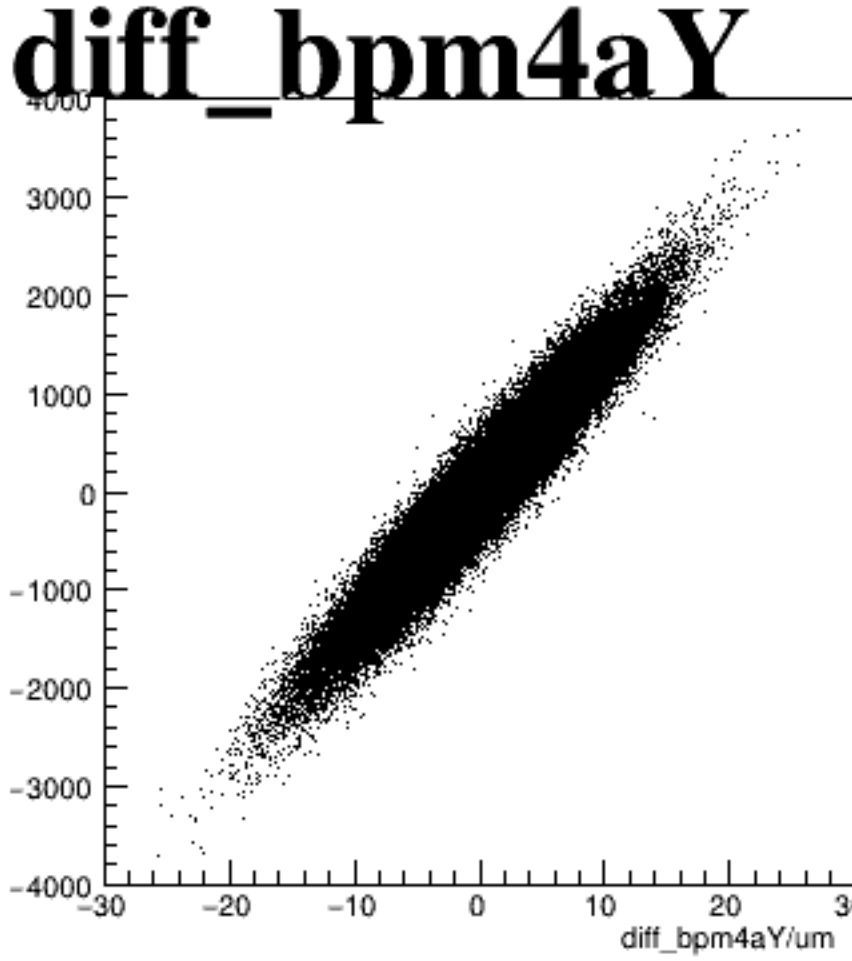
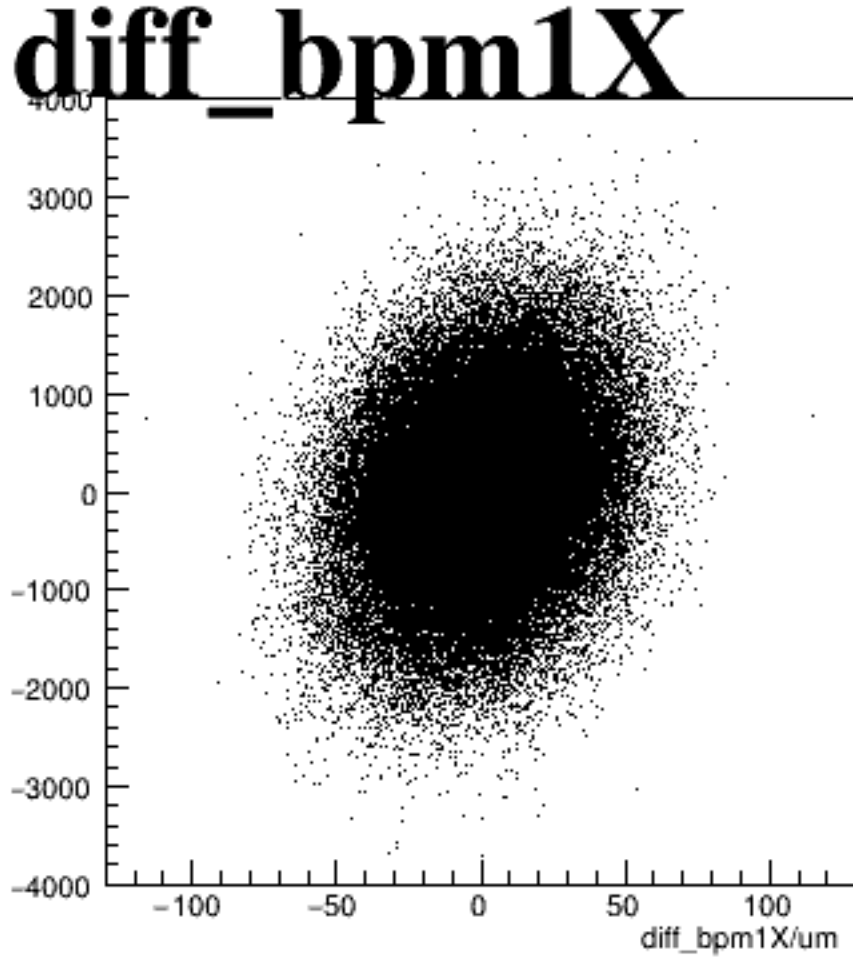
asym_sam1



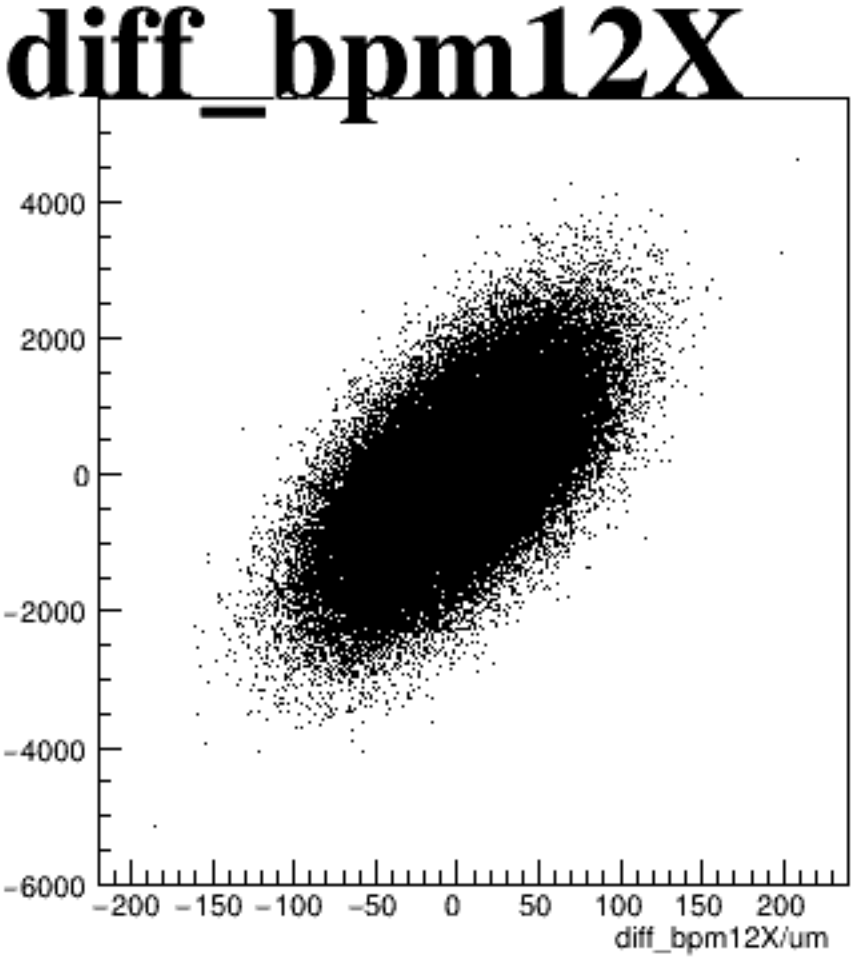
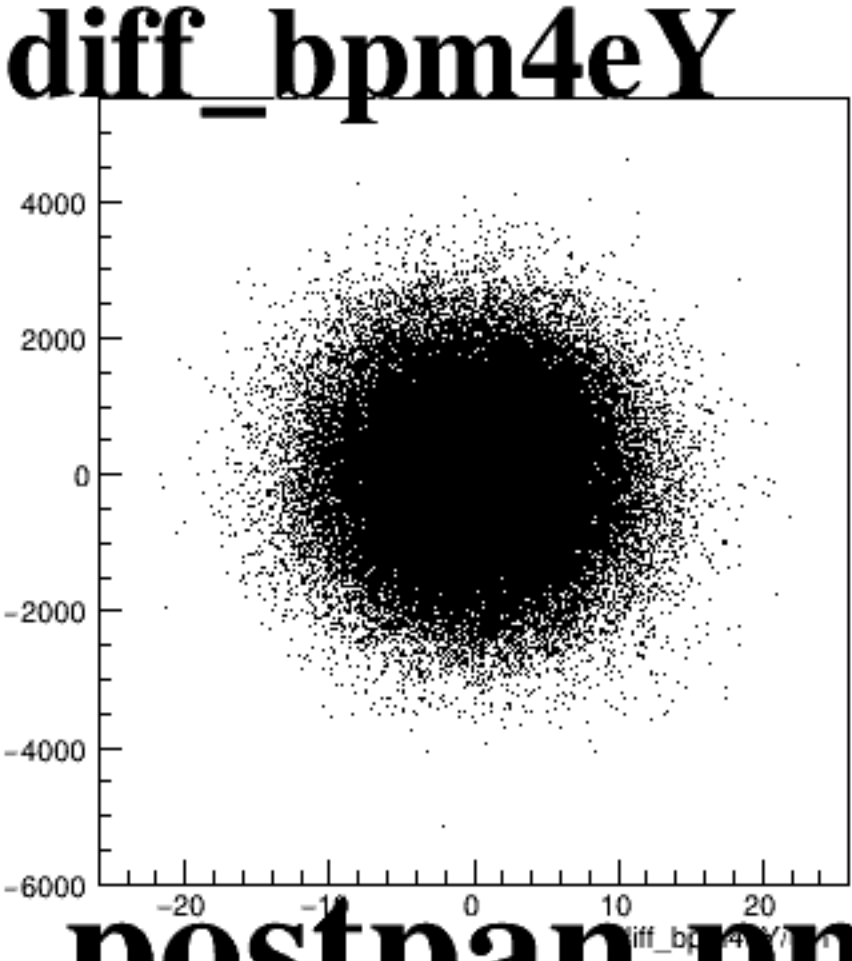
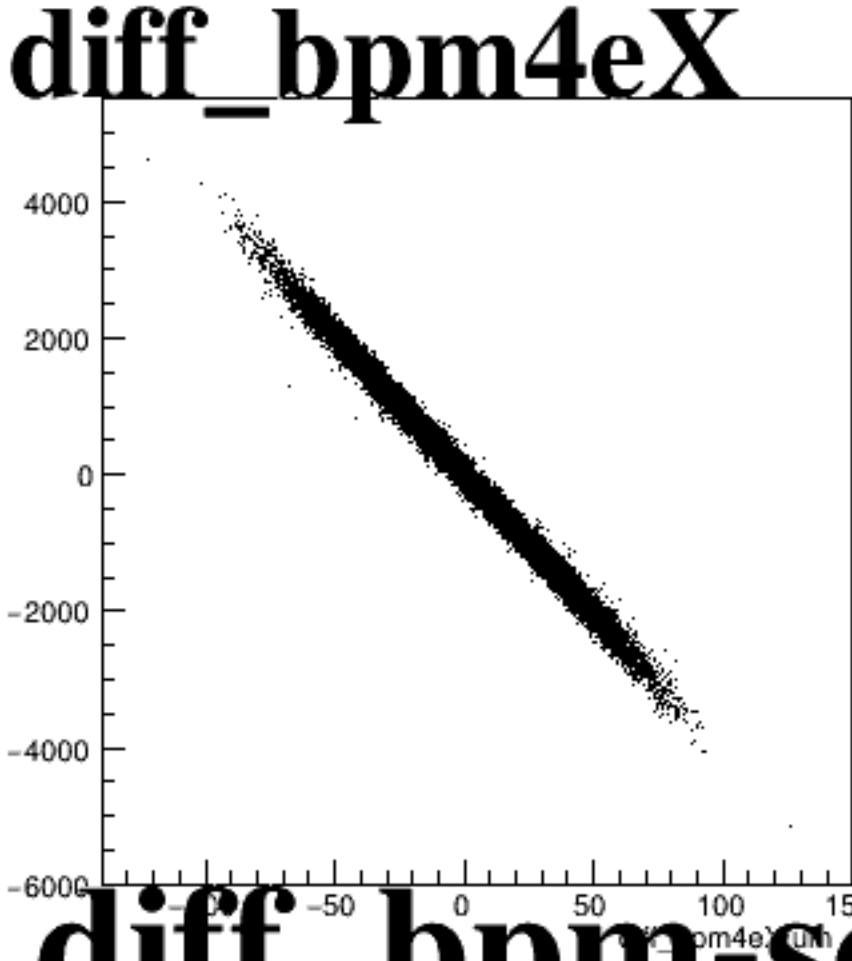
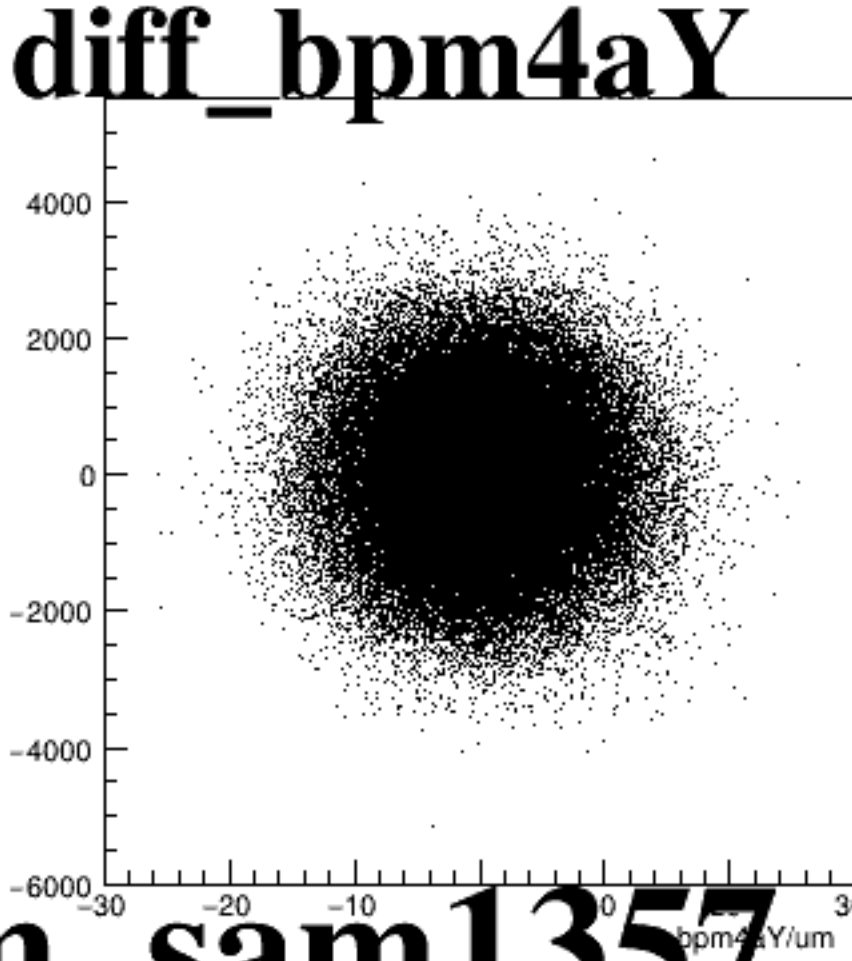
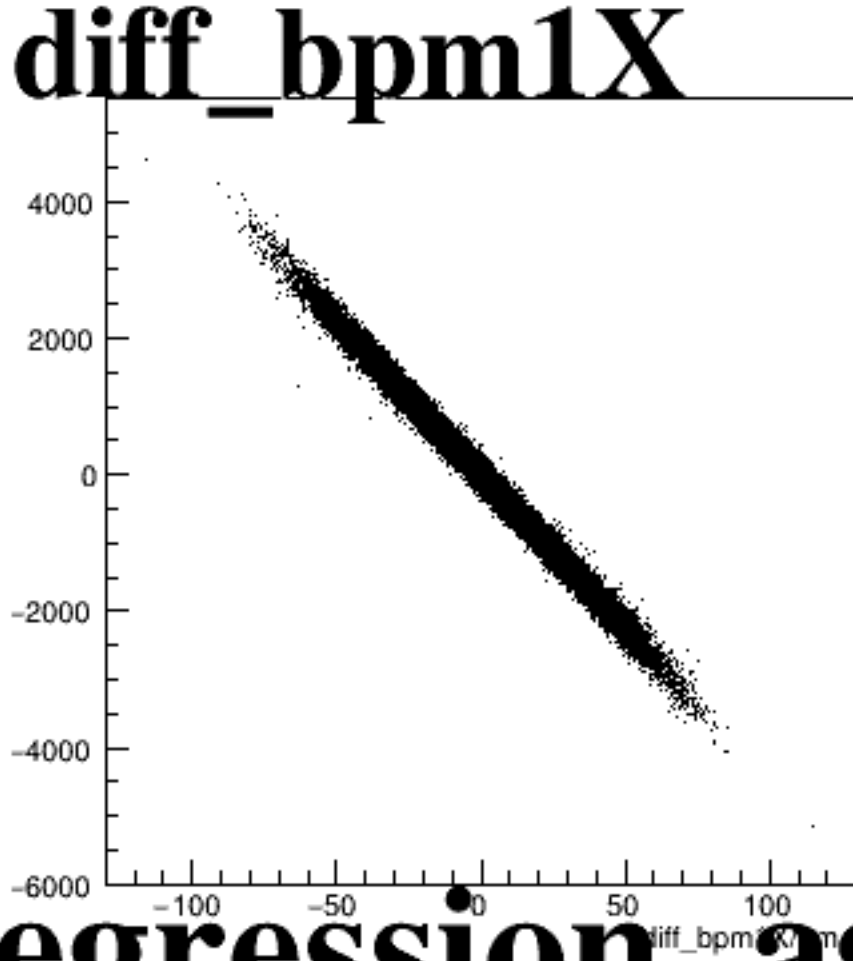
asym_sam3



asym_sam5



asym_sam7



The figure consists of five subplots, each showing a scatter plot of data points. The y-axis for all plots ranges from -600 to 600. The x-axis for each plot represents a different diffraction order in micrometers (um).

- 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 150.
- diff_bpm4eY**: x-axis ranges from -20 to 20.
- diff_bpm12X**: x-axis ranges from -200 to 200.

All plots show a dense, roughly circular distribution of points centered around the origin (0,0) of their respective axes.