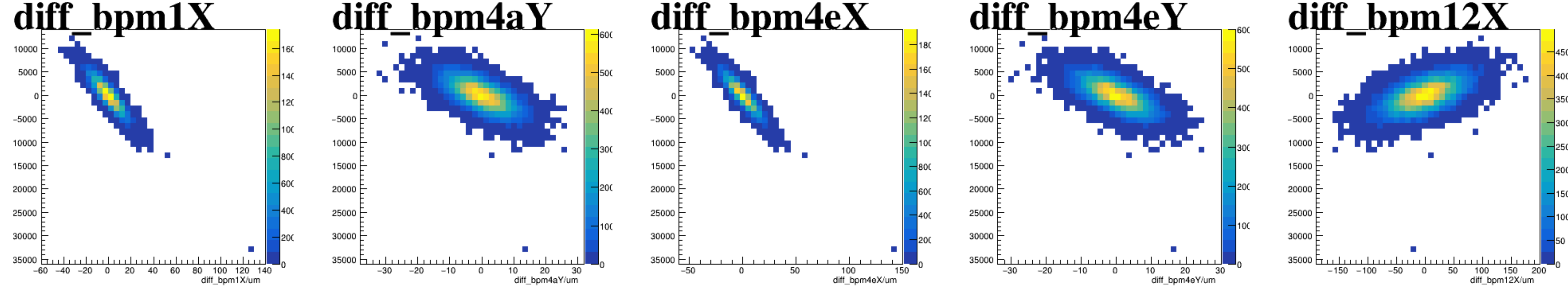
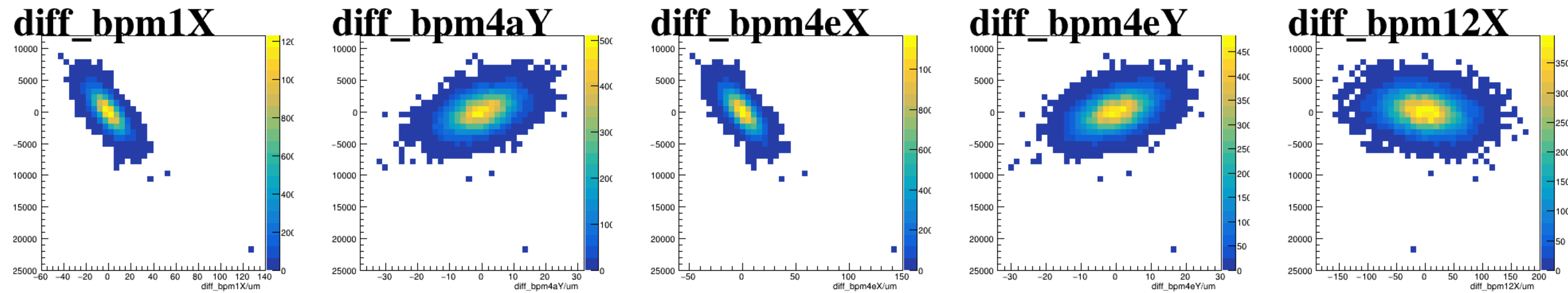


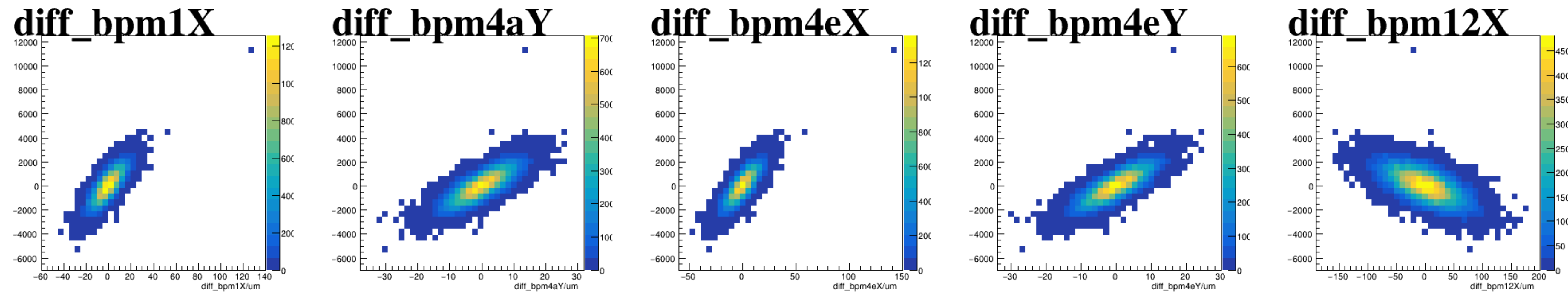
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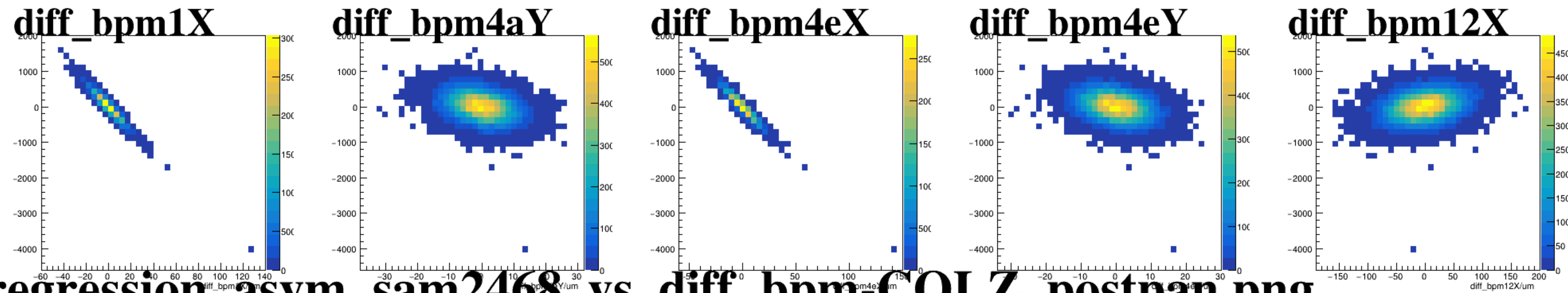
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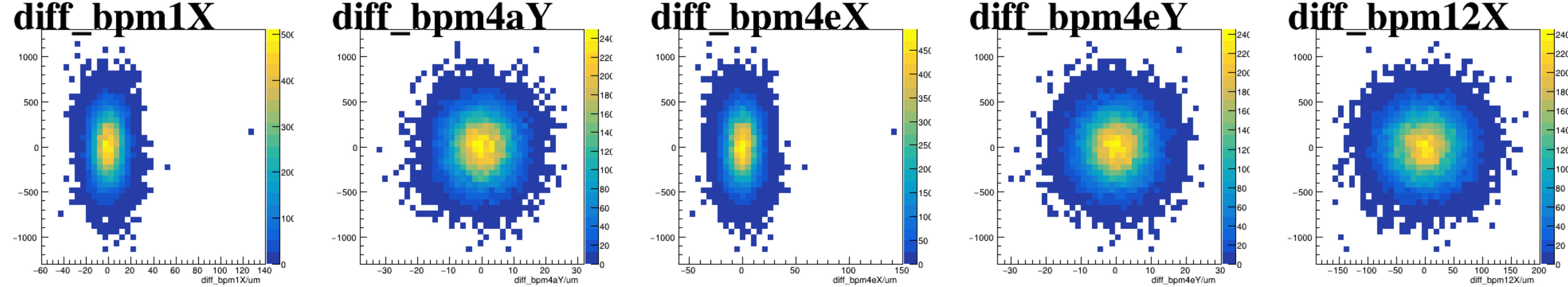
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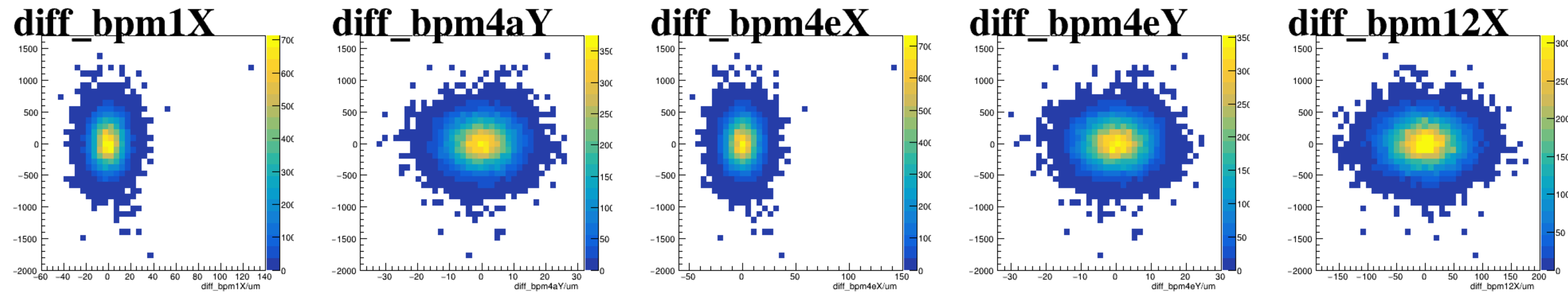
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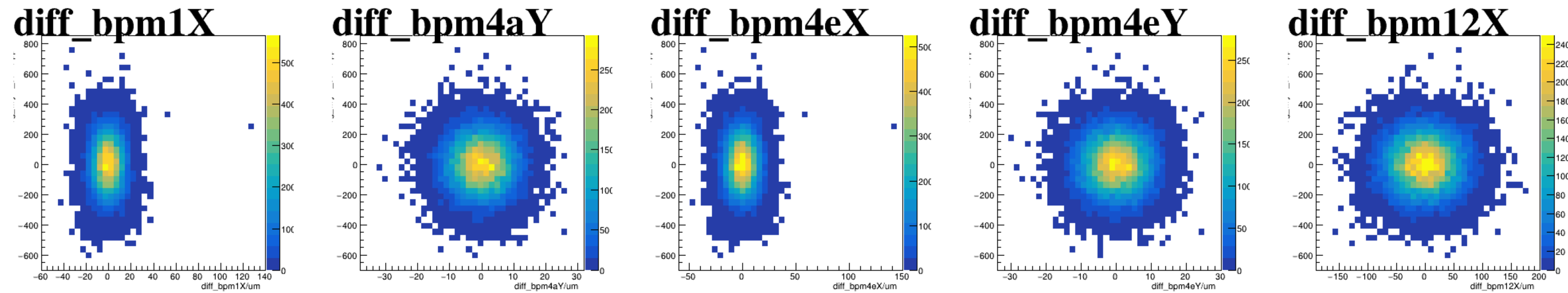
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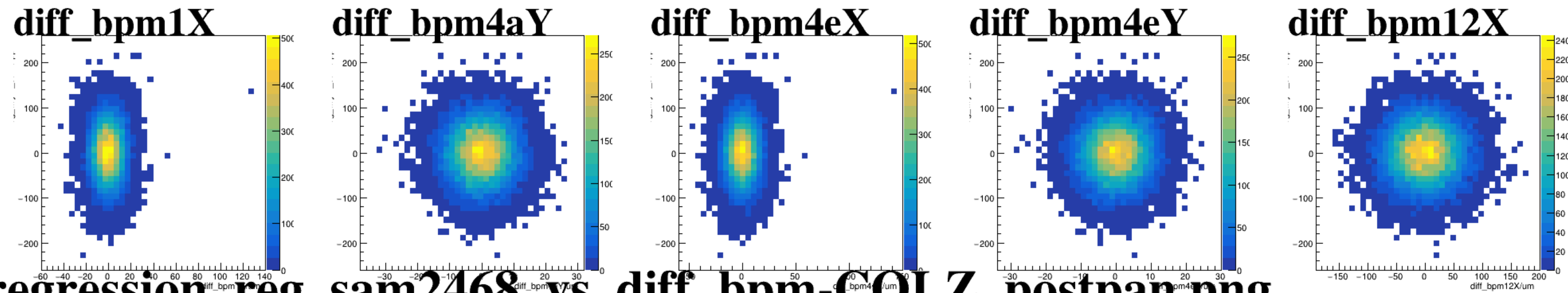
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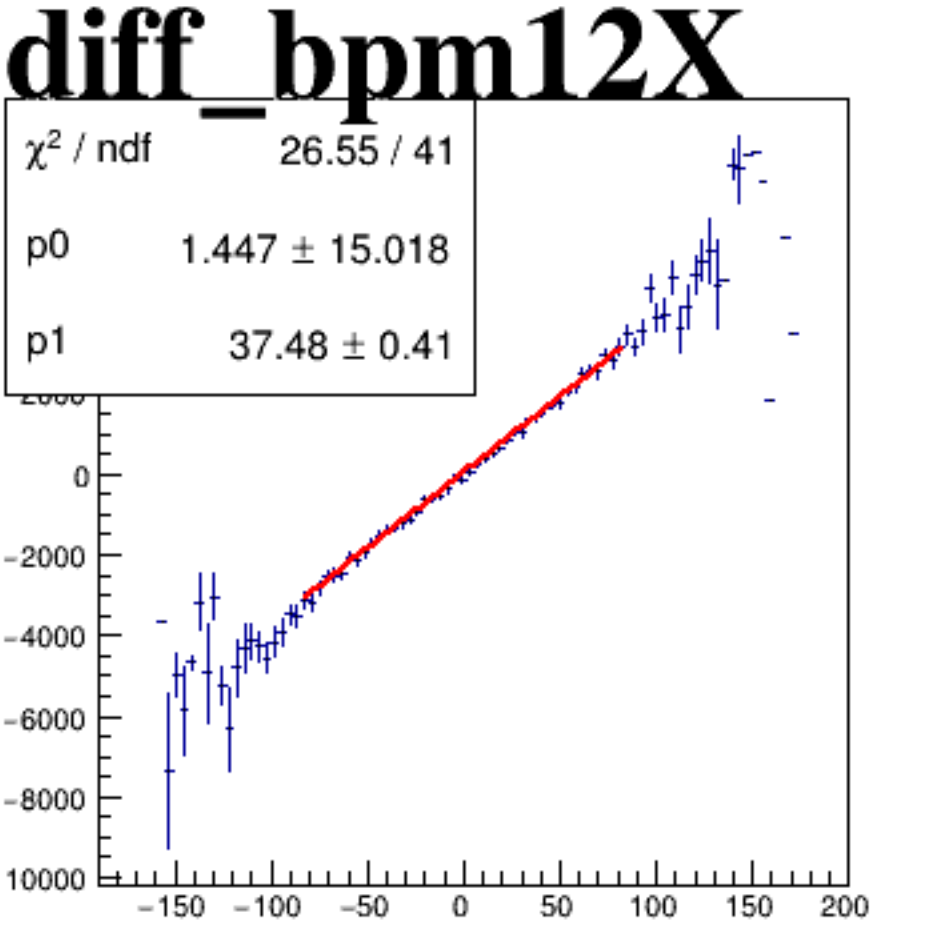
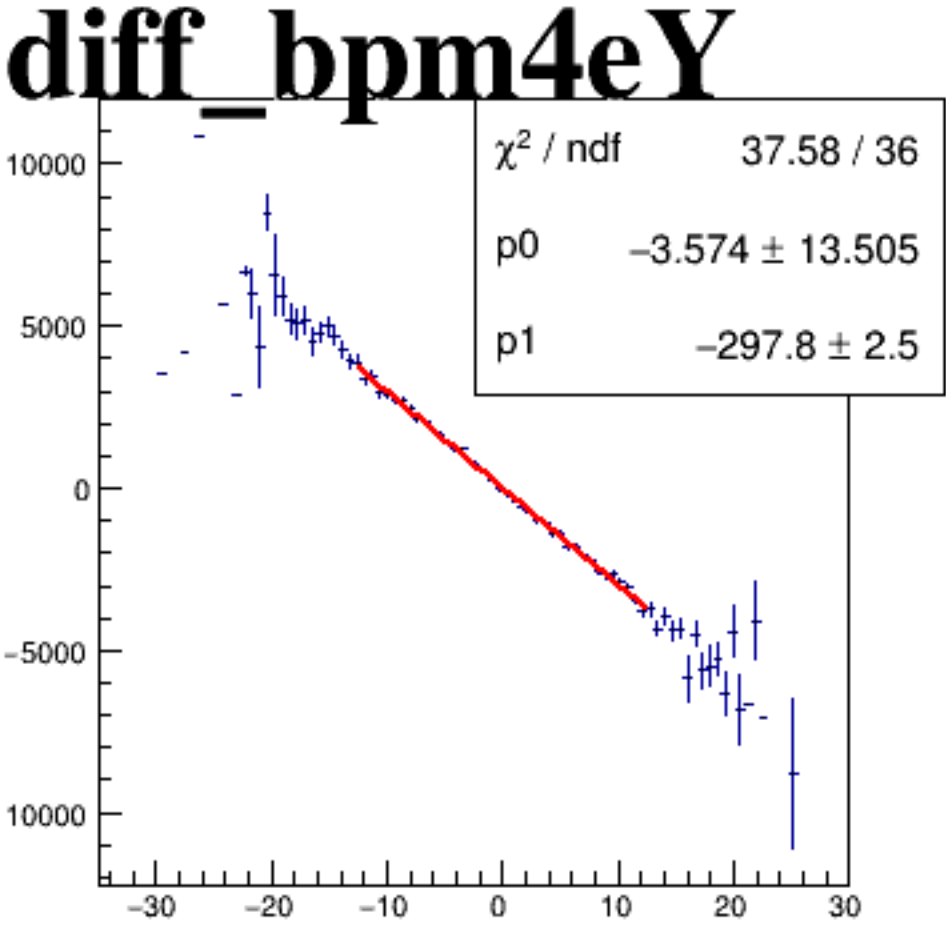
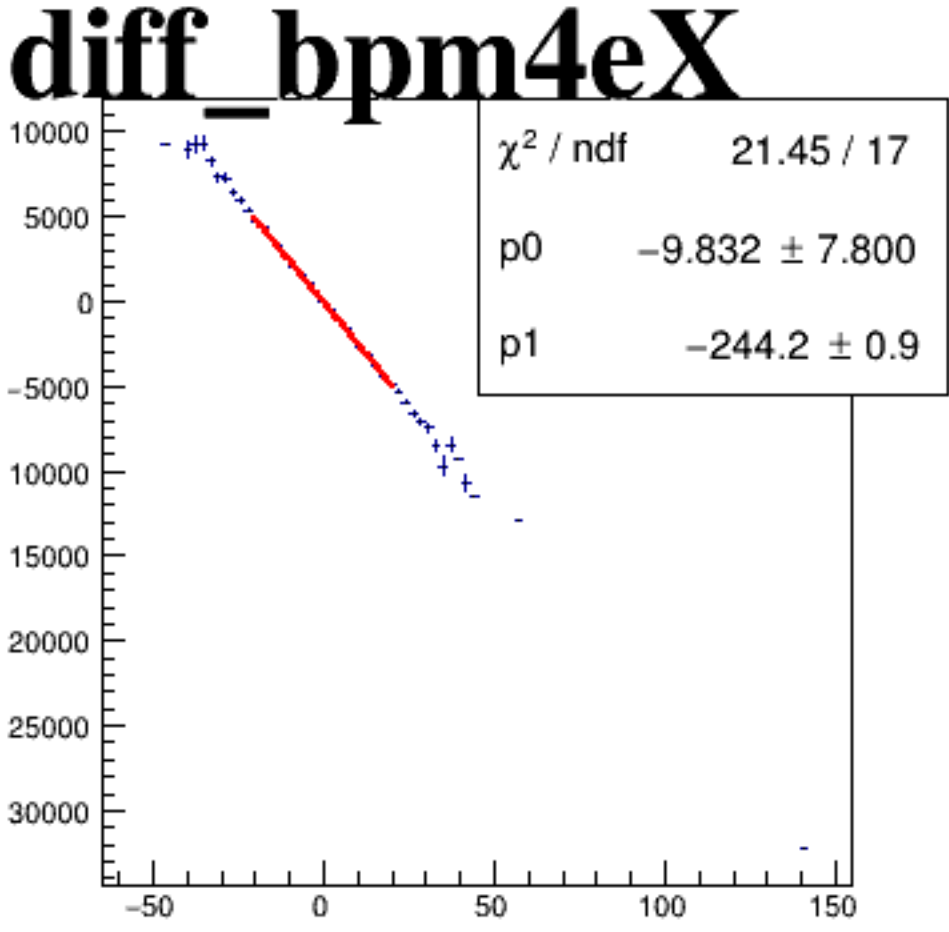
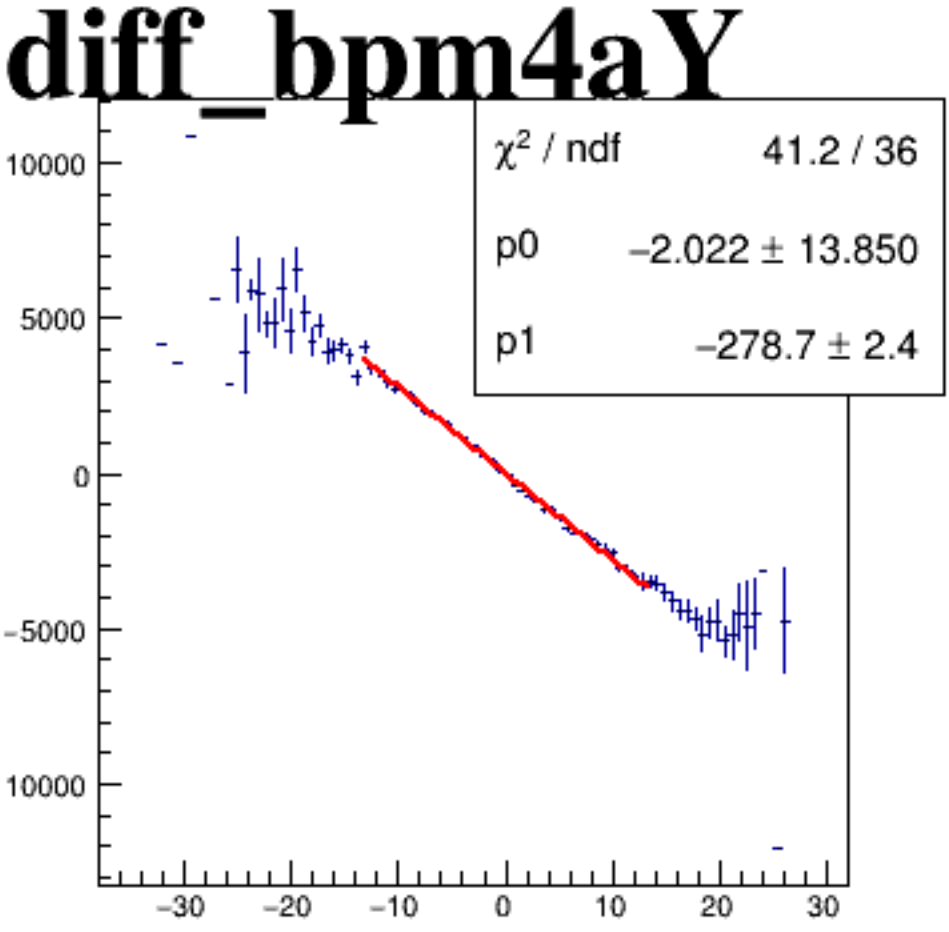
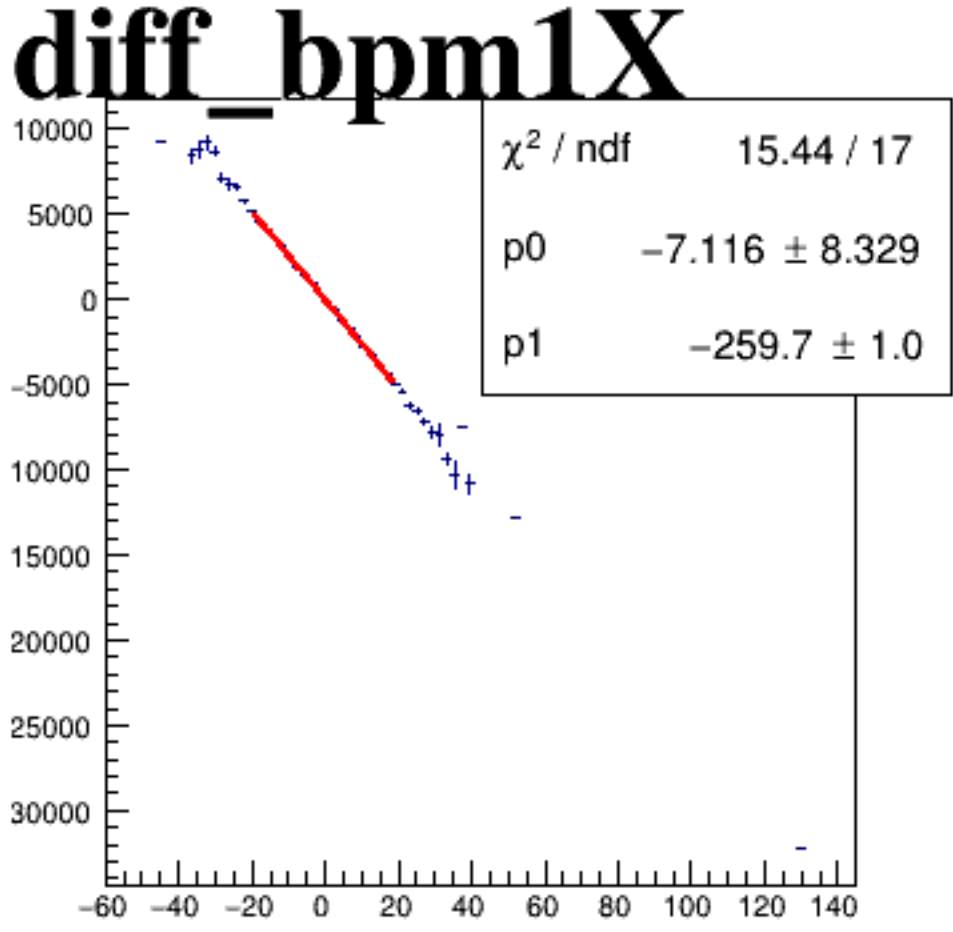
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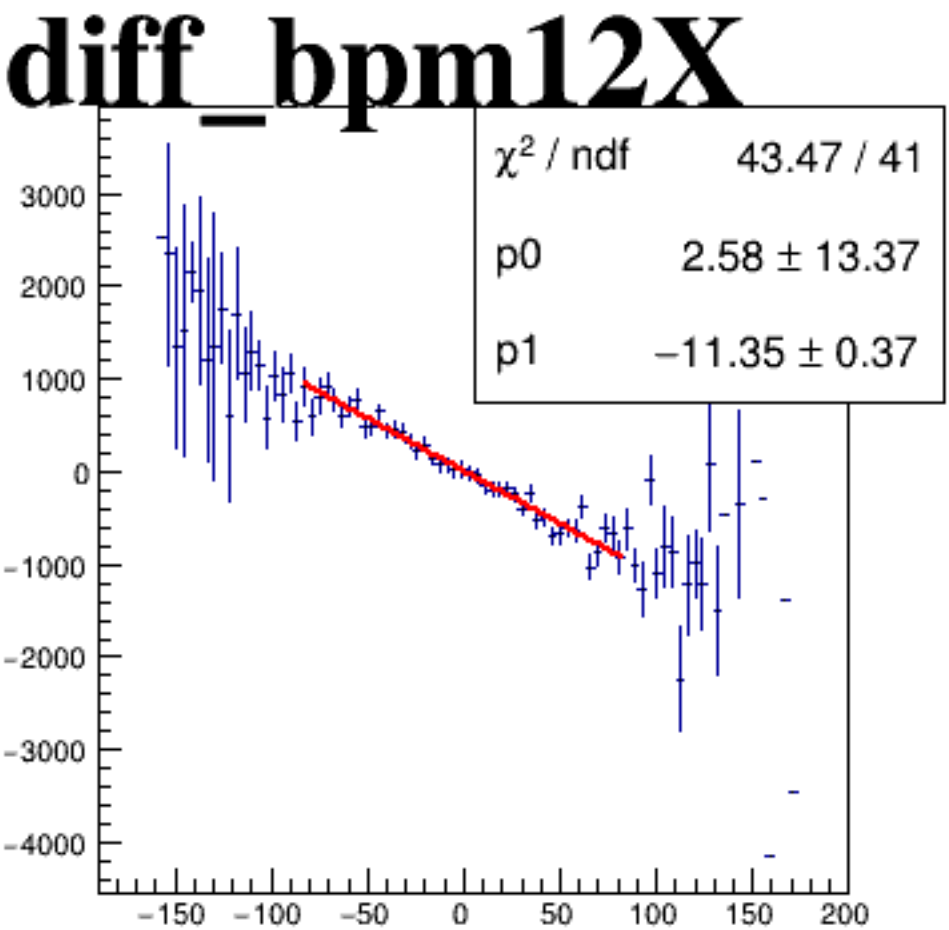
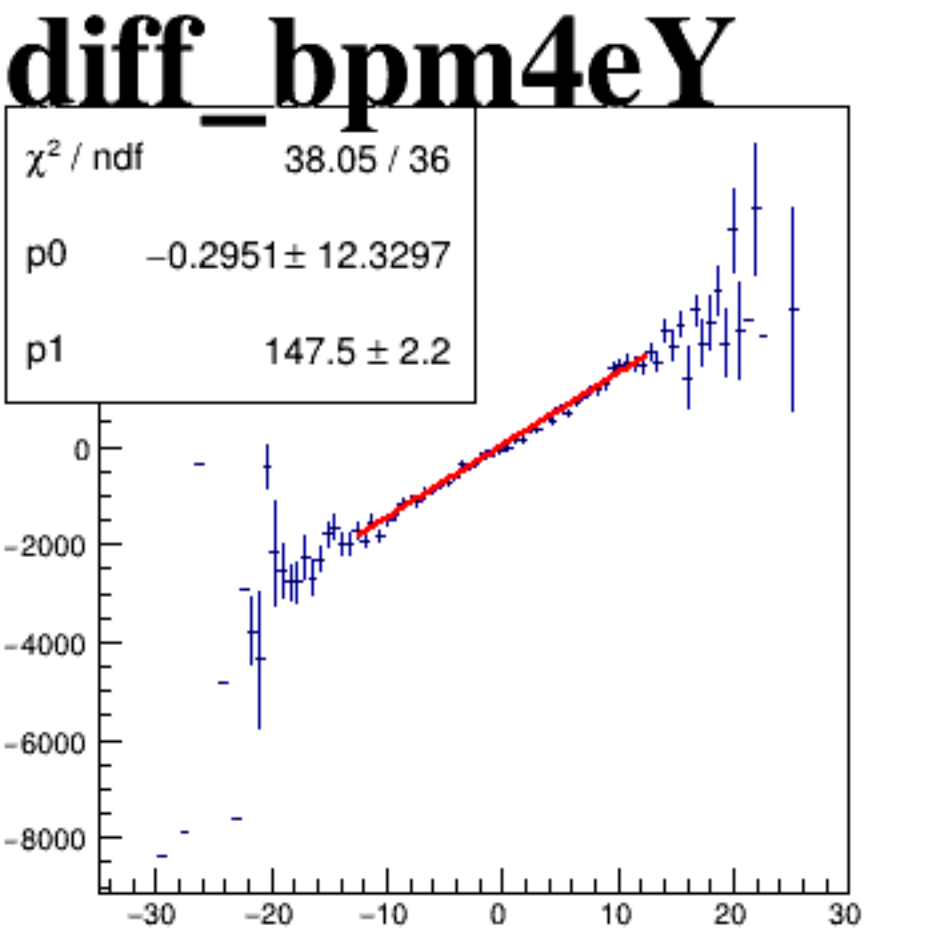
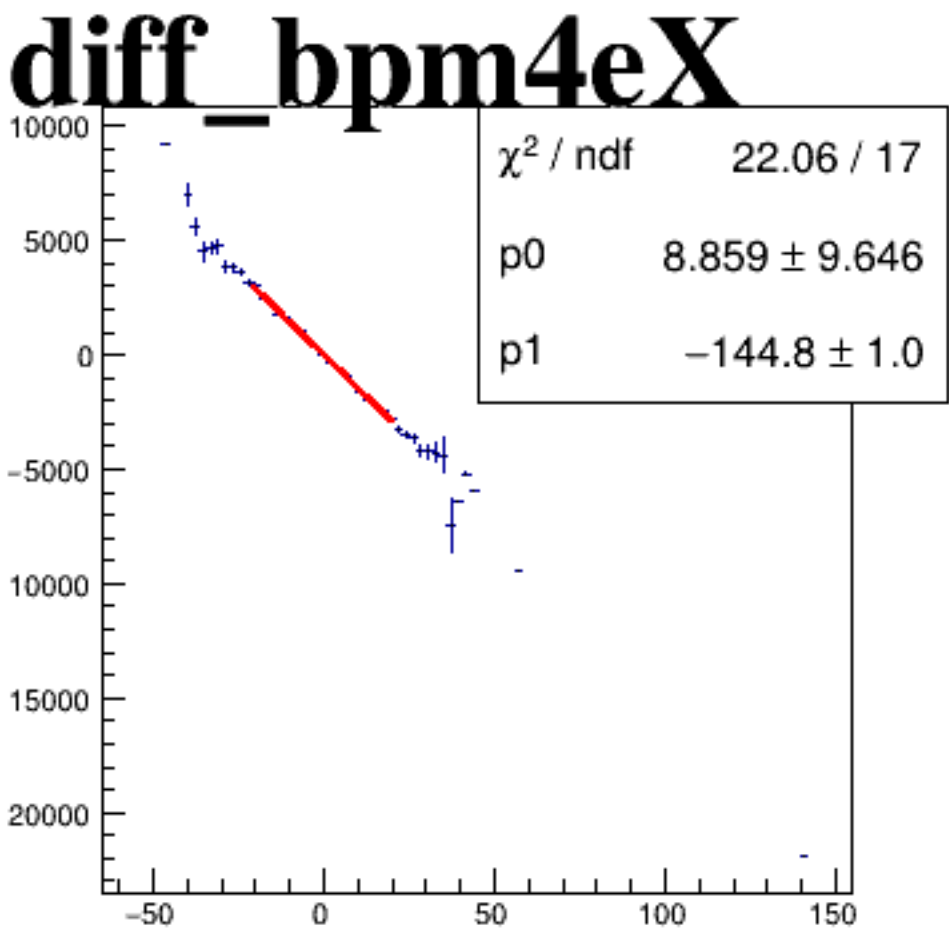
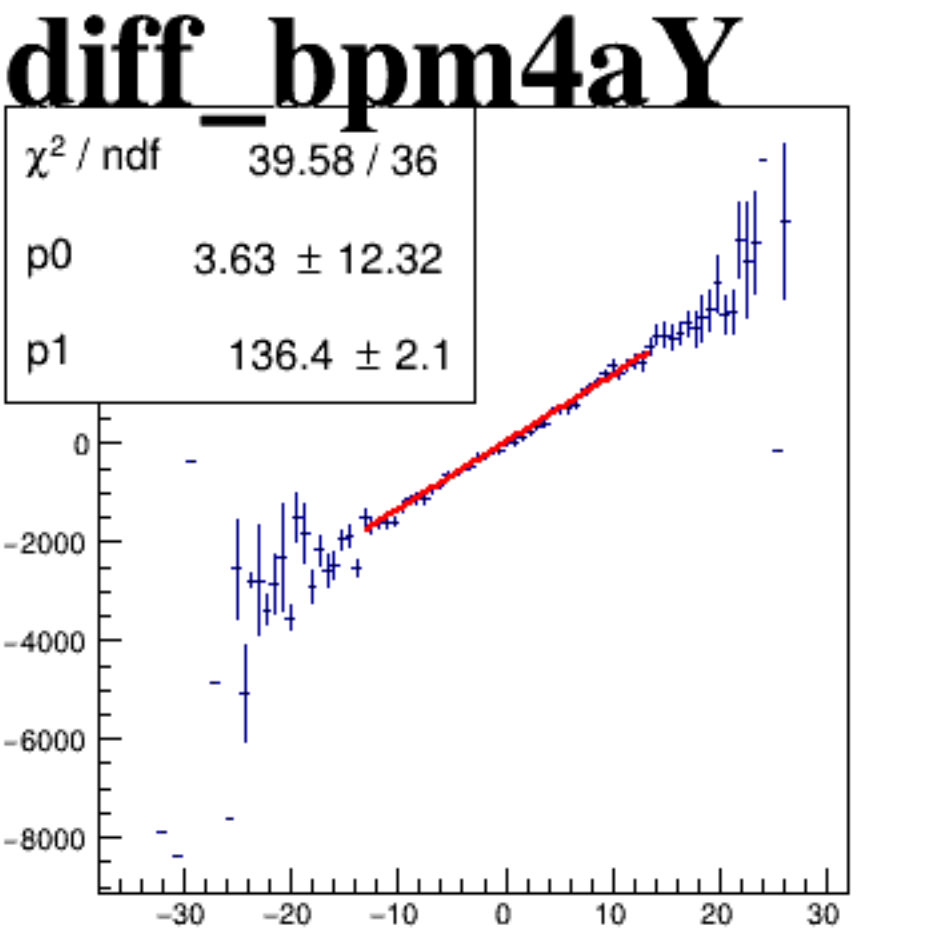
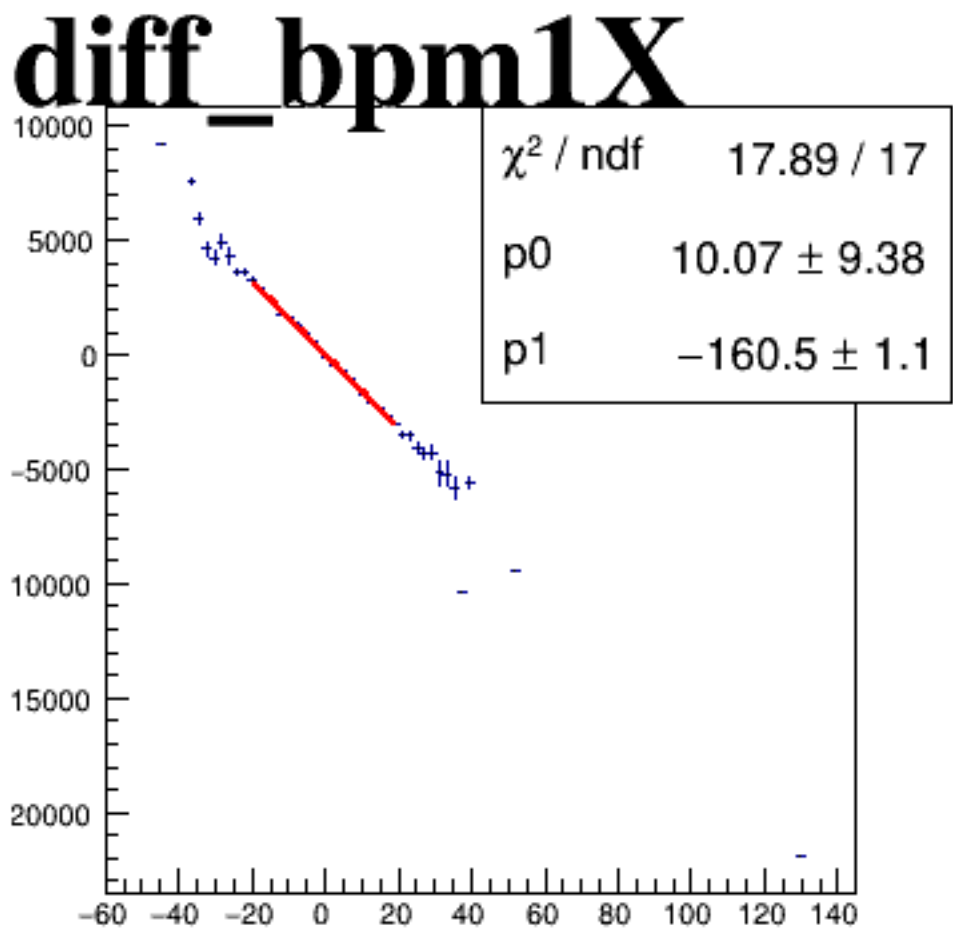
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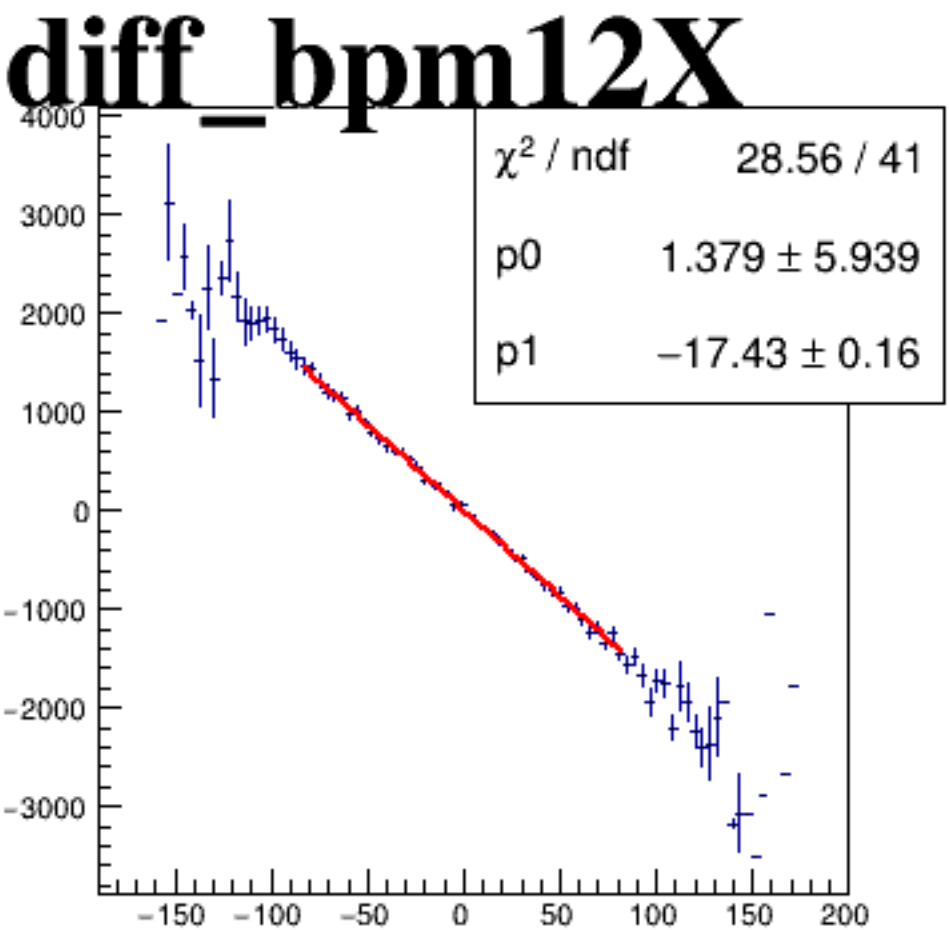
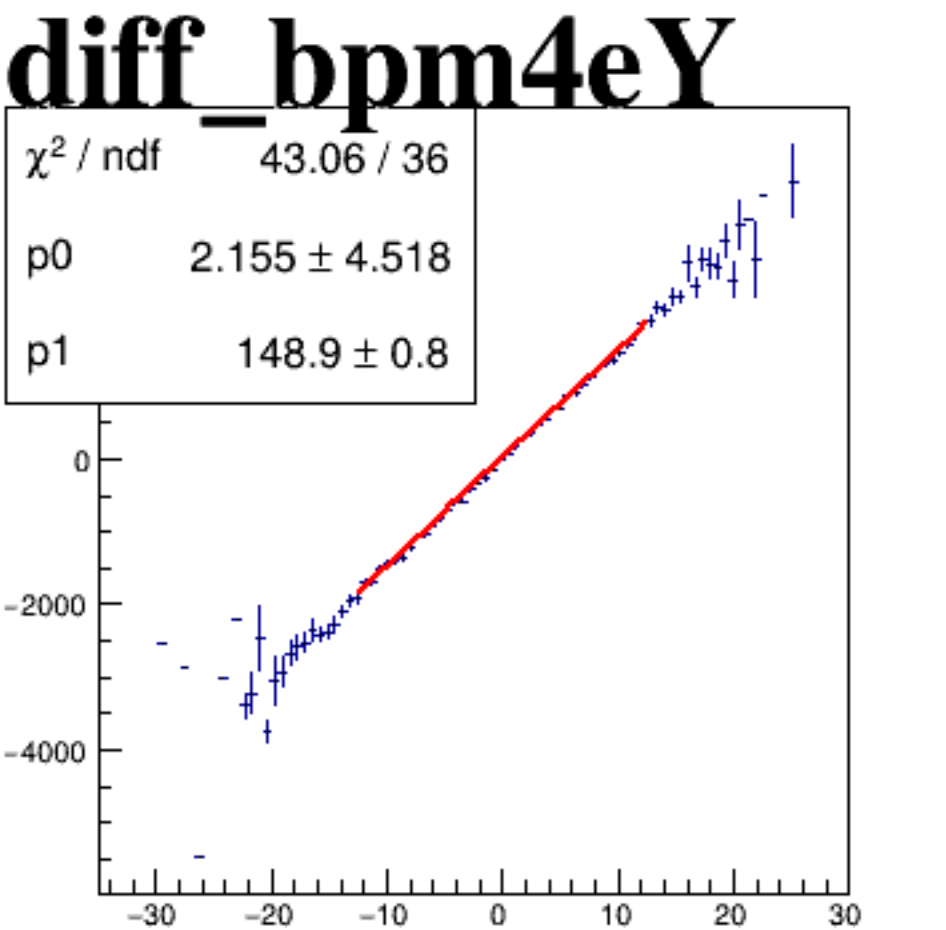
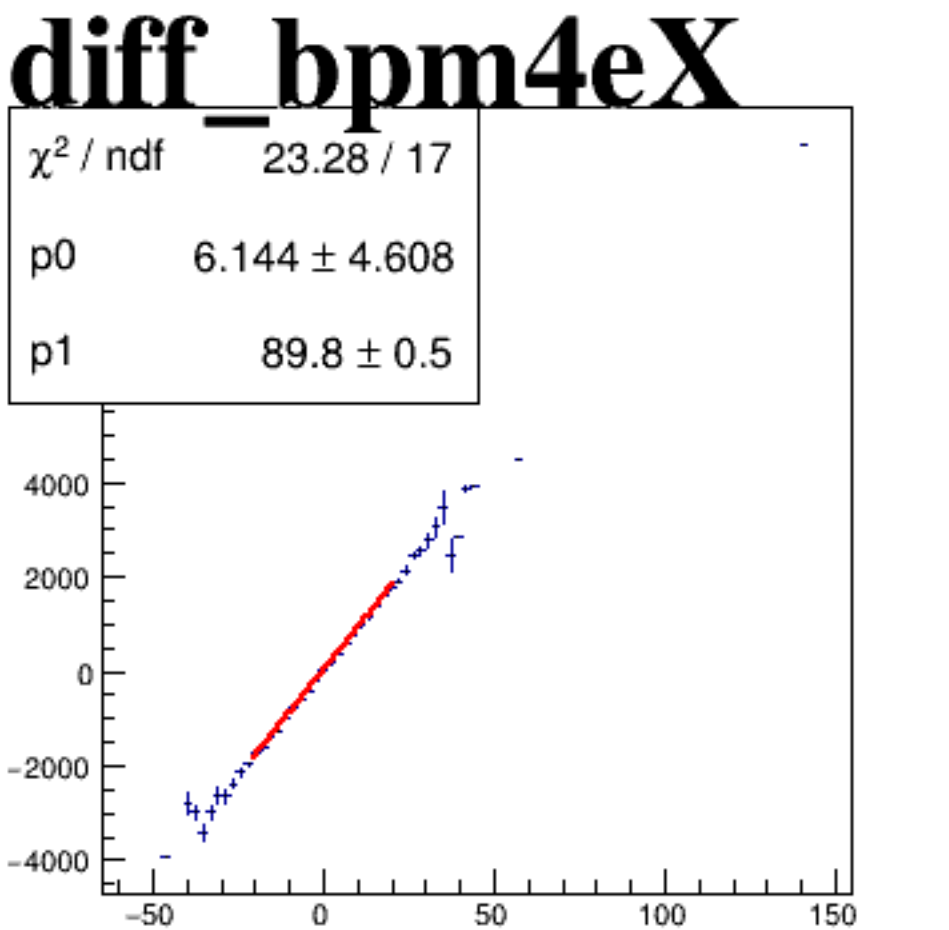
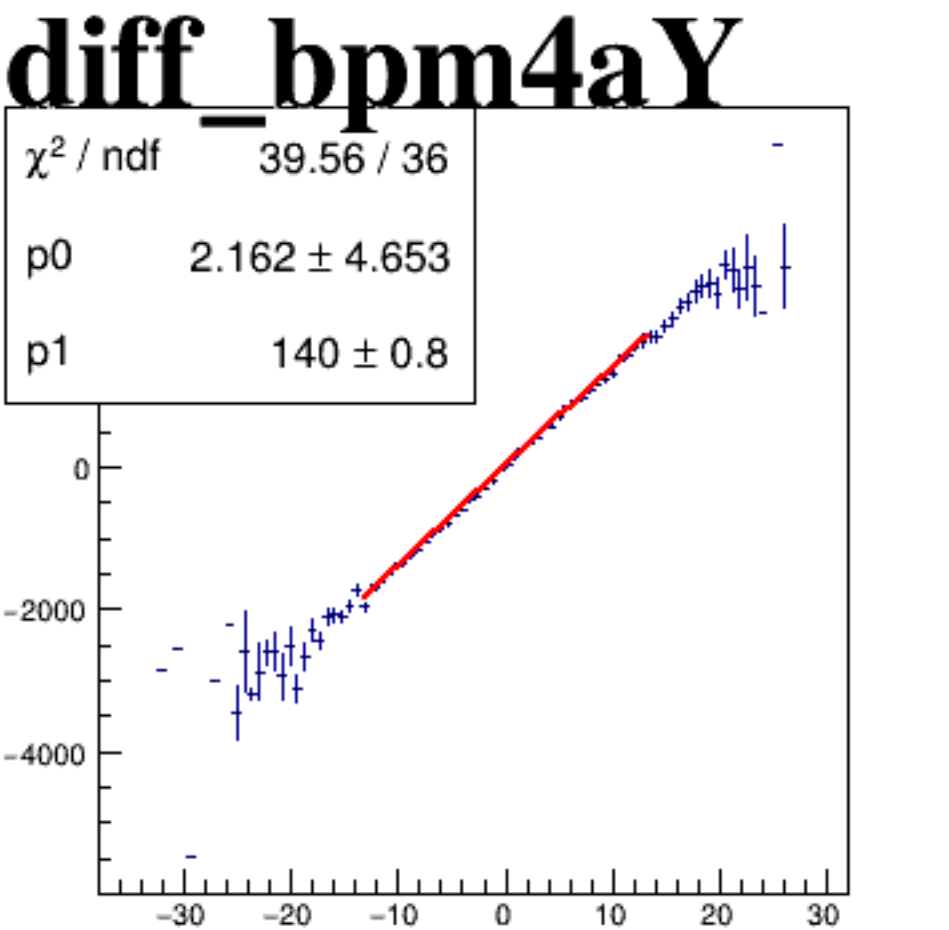
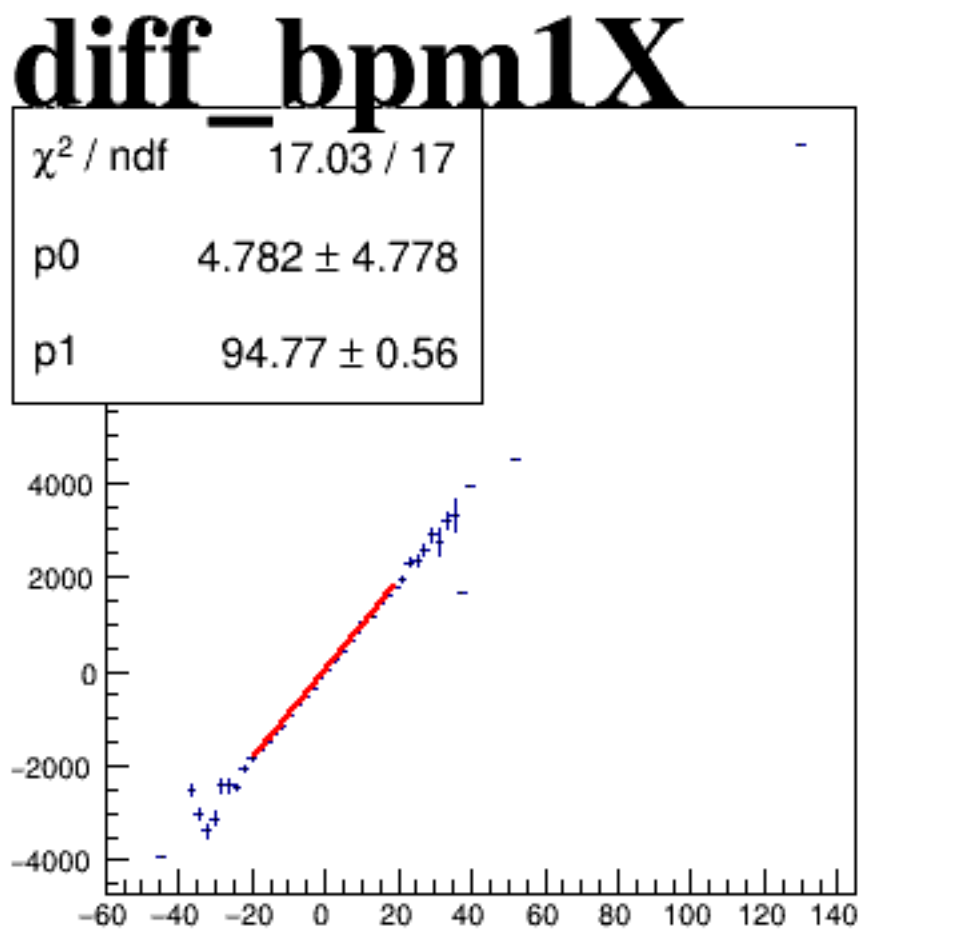
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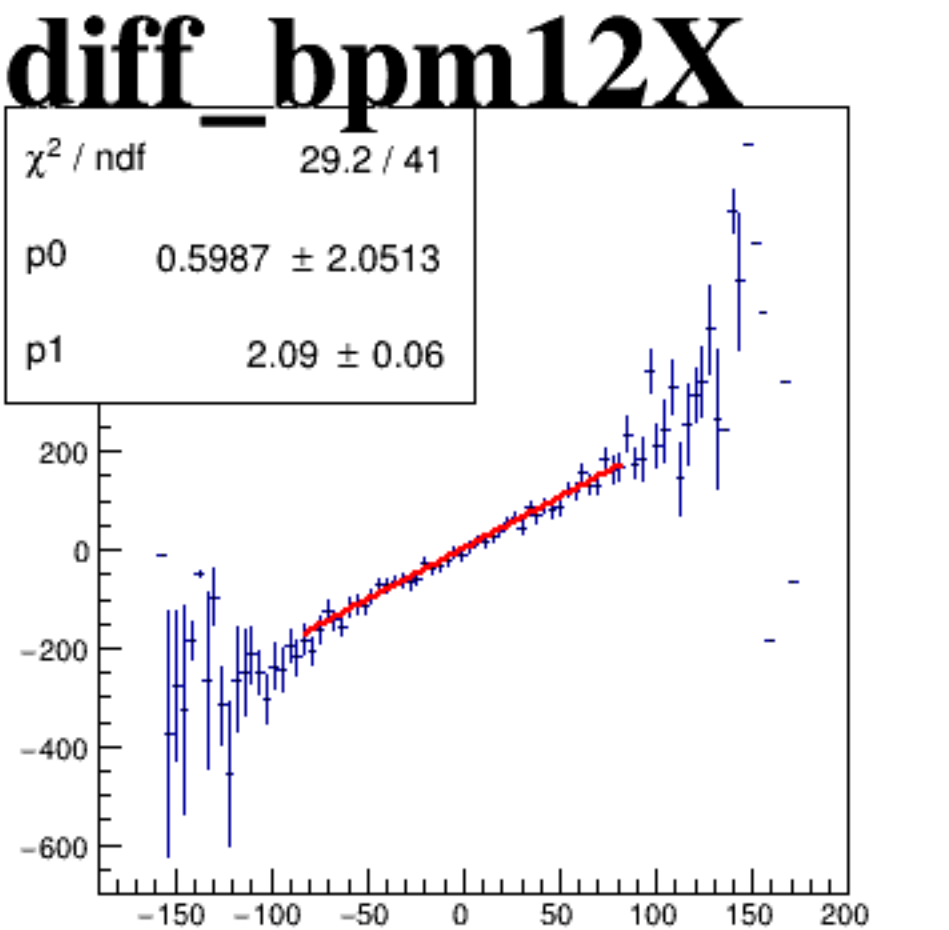
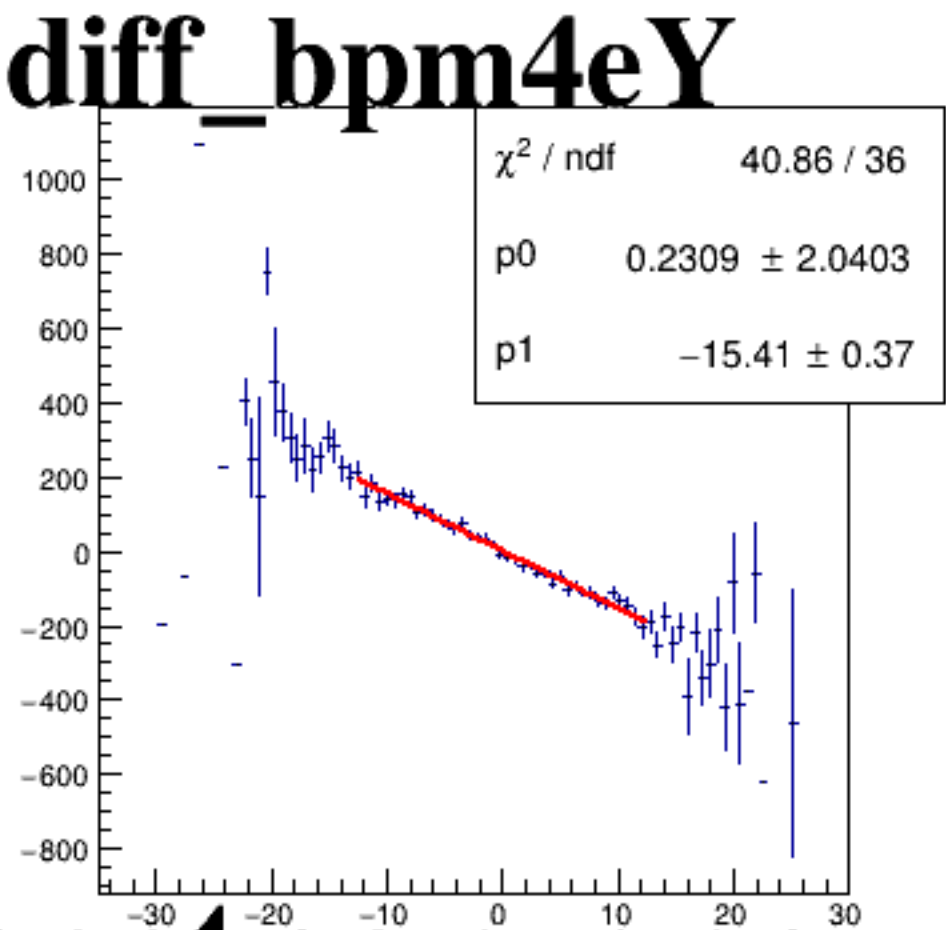
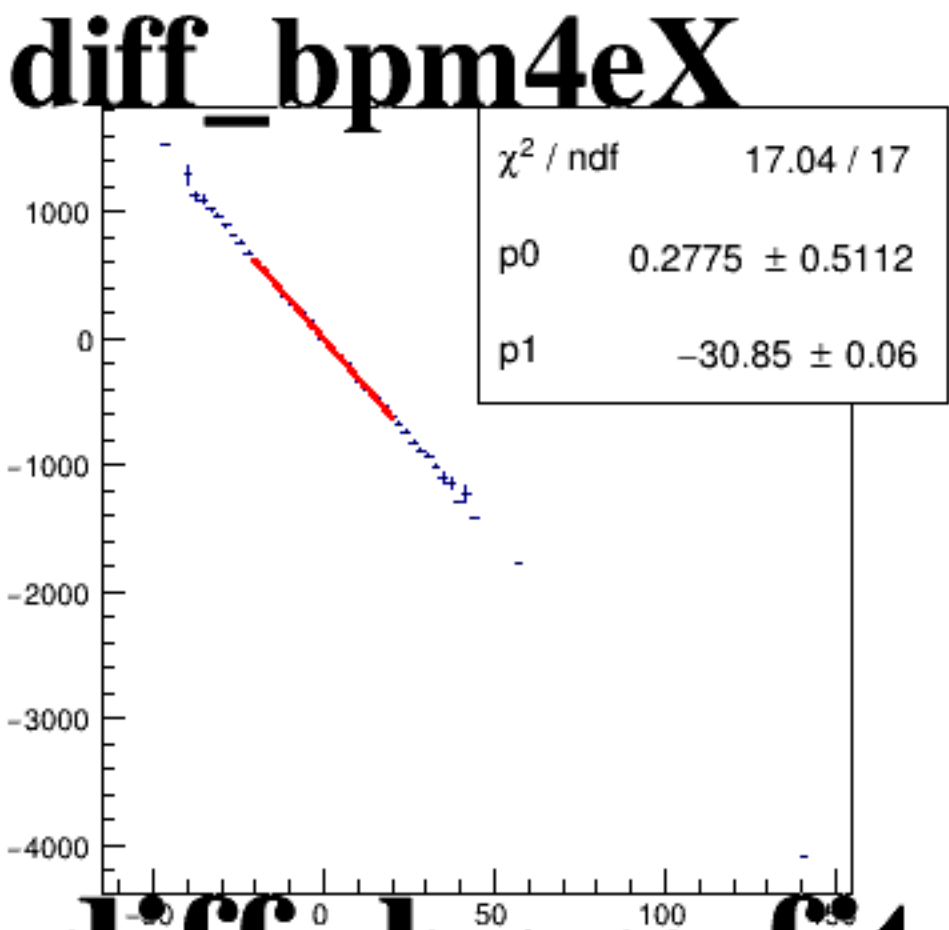
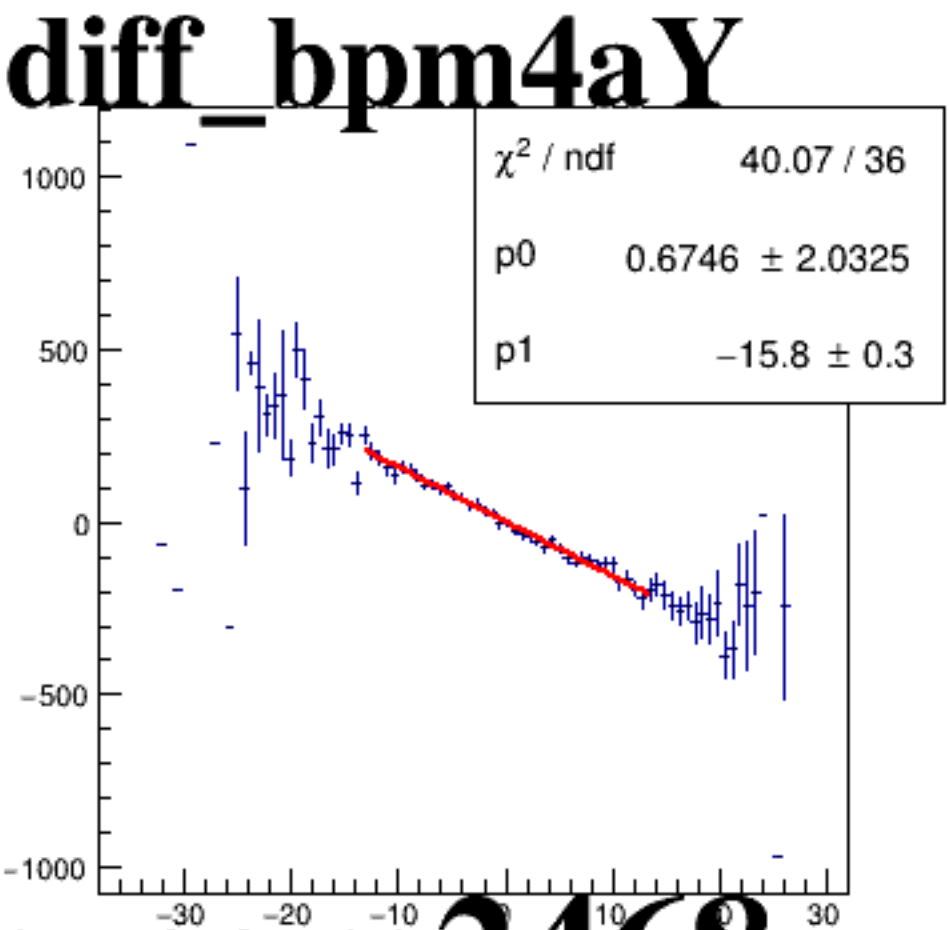
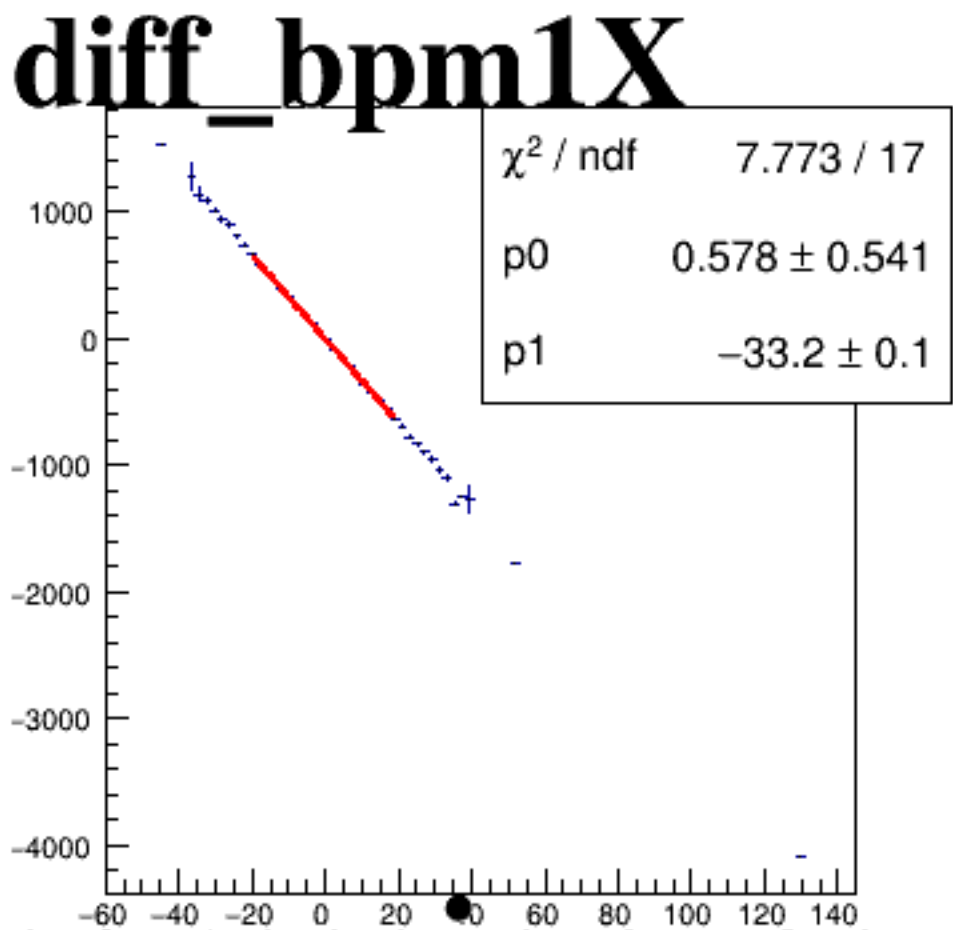
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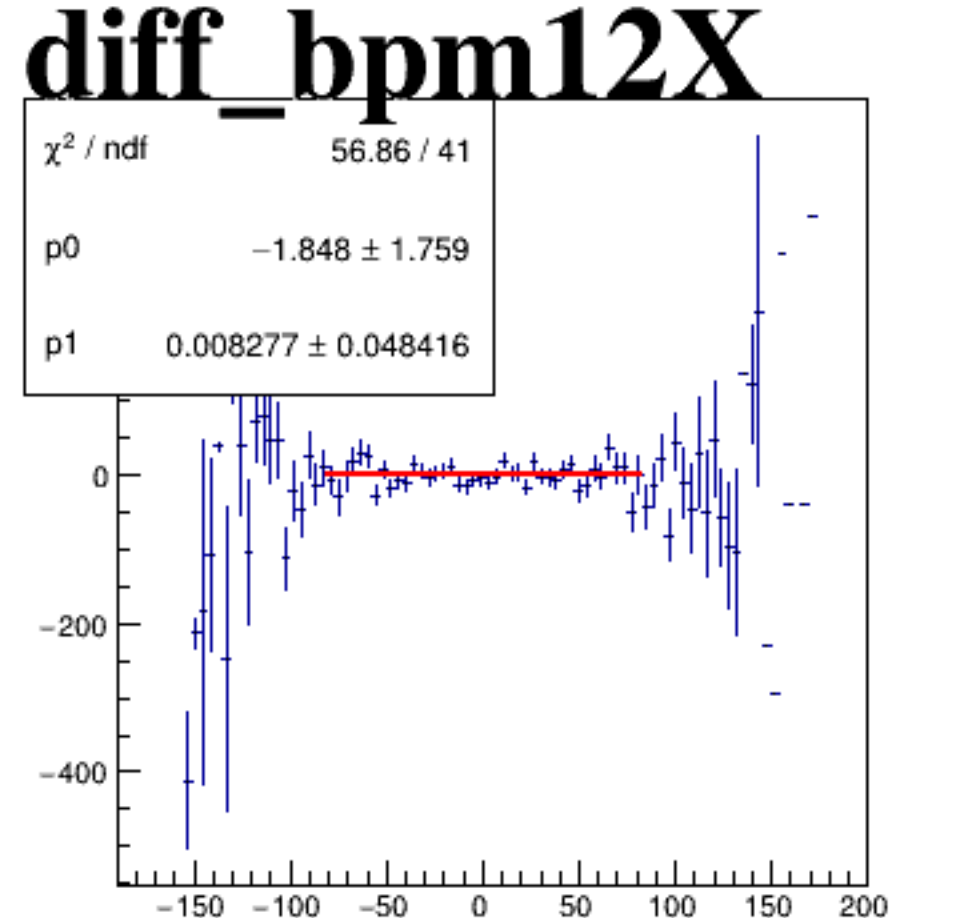
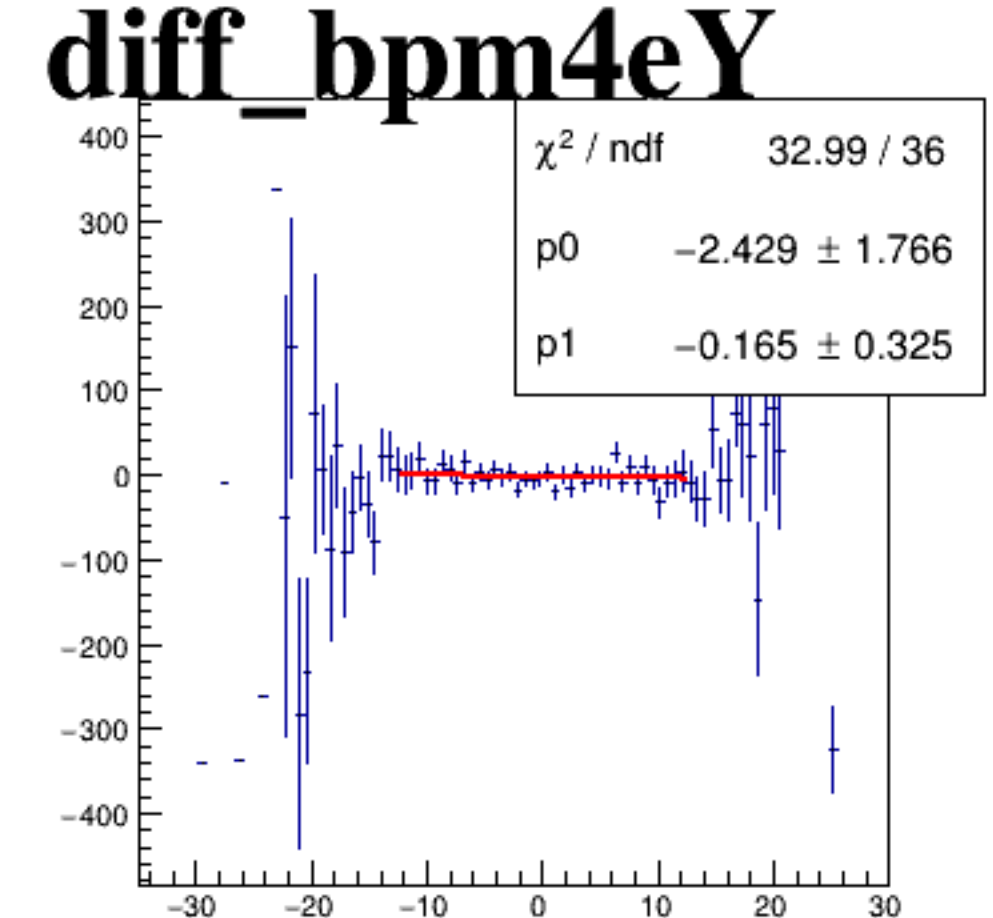
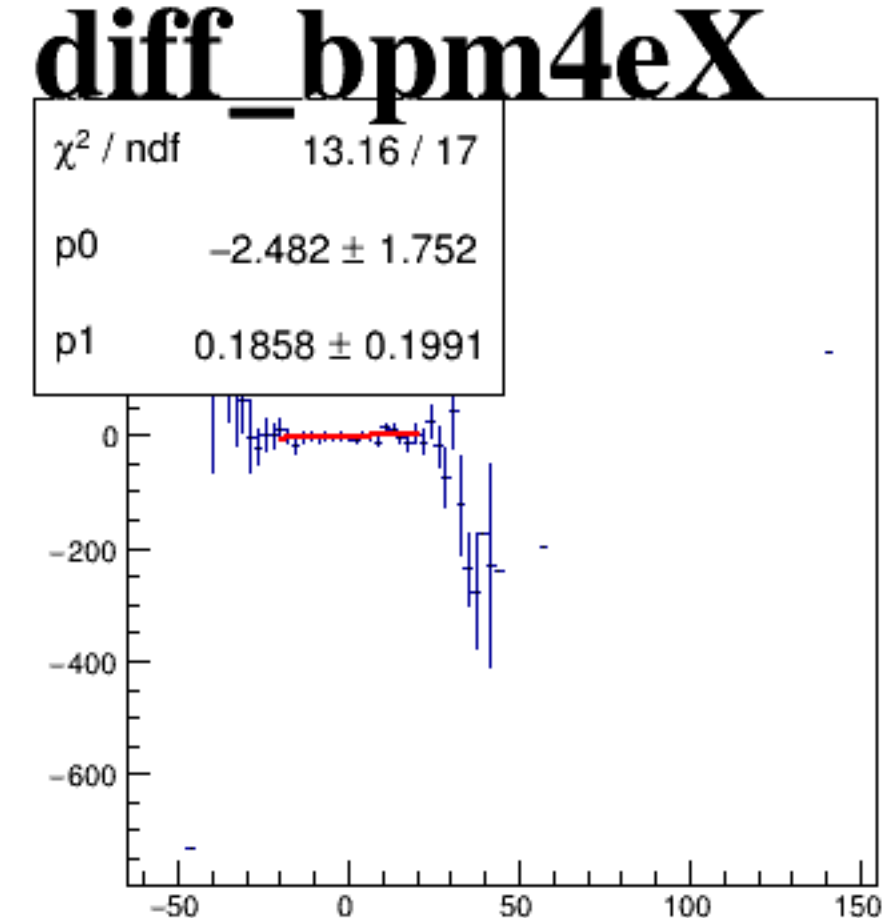
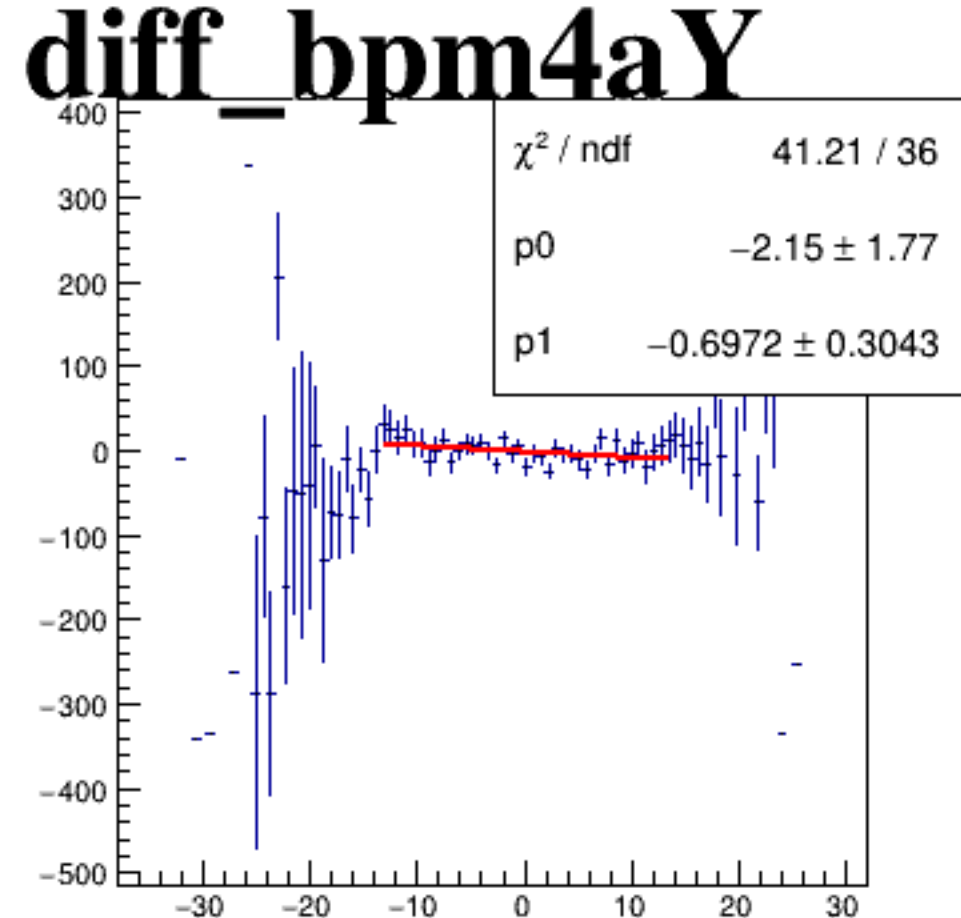
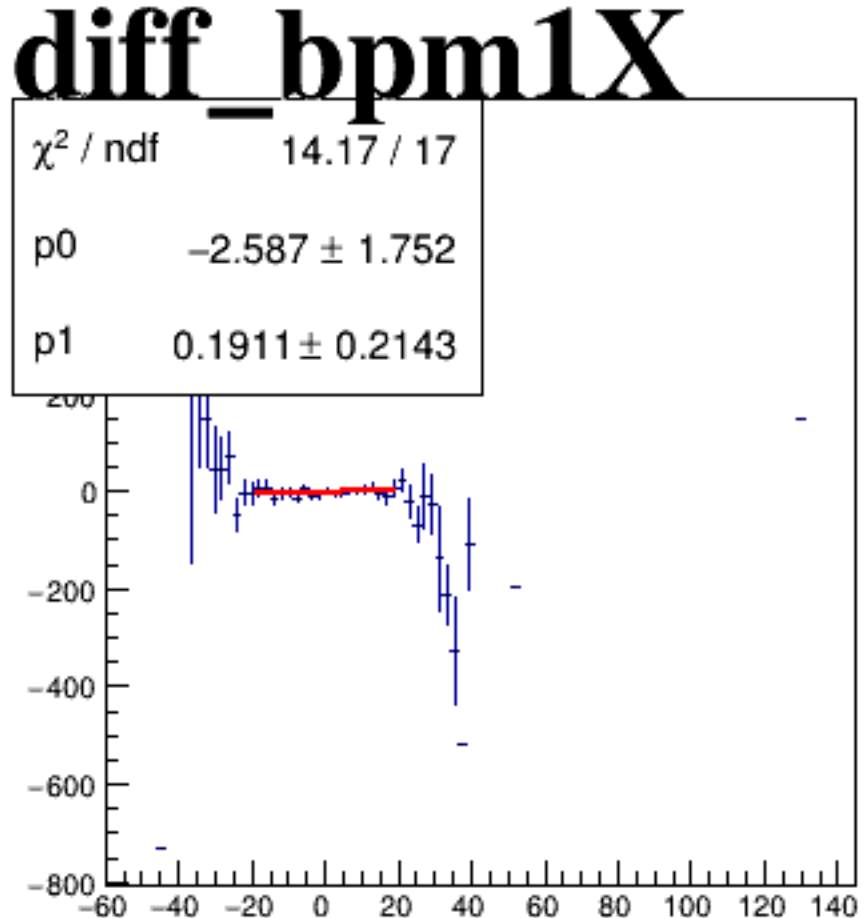
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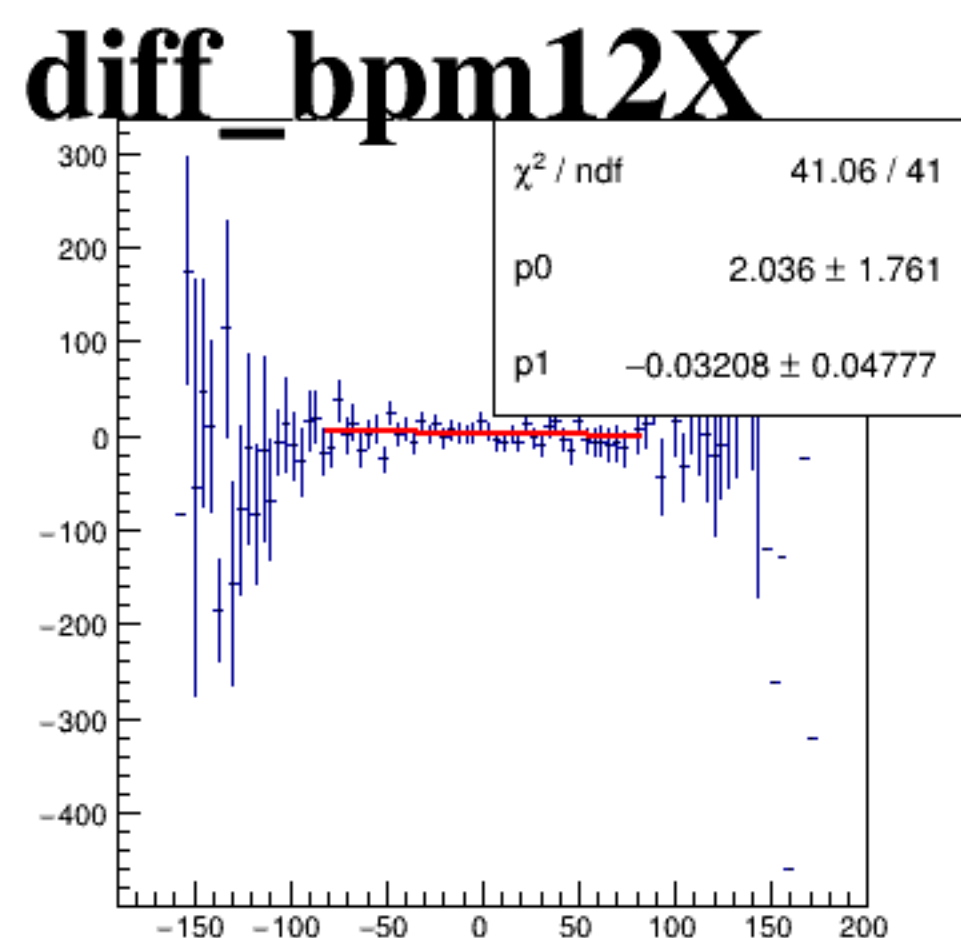
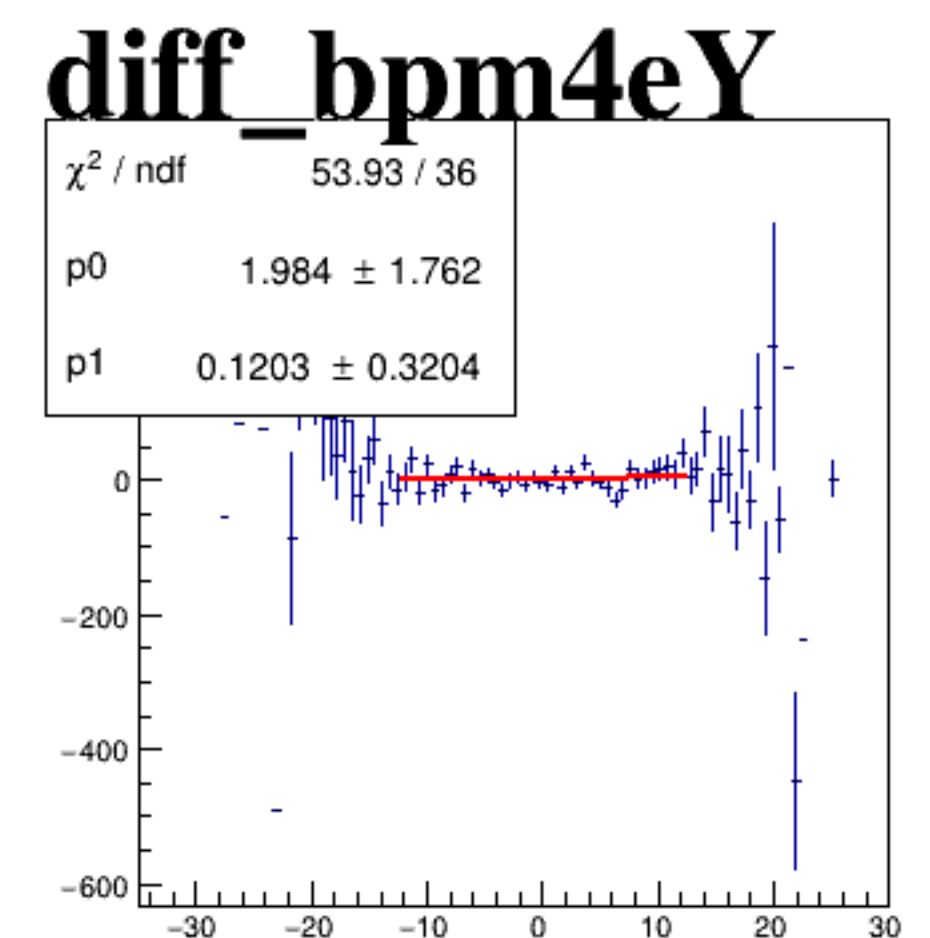
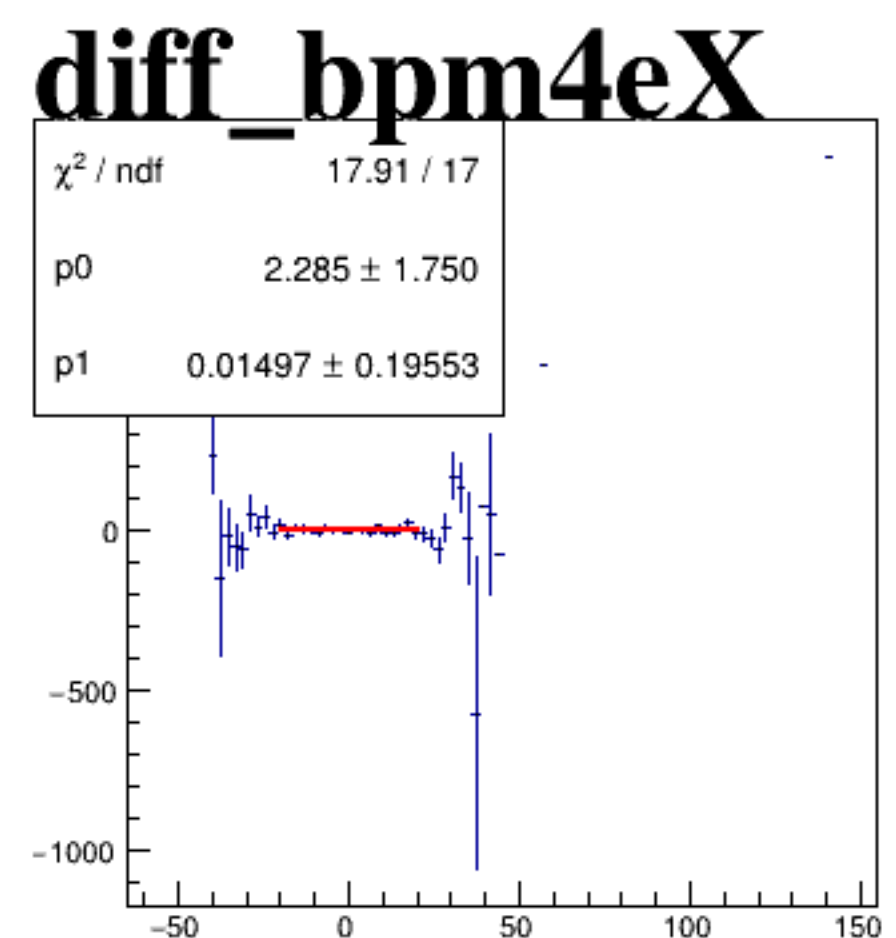
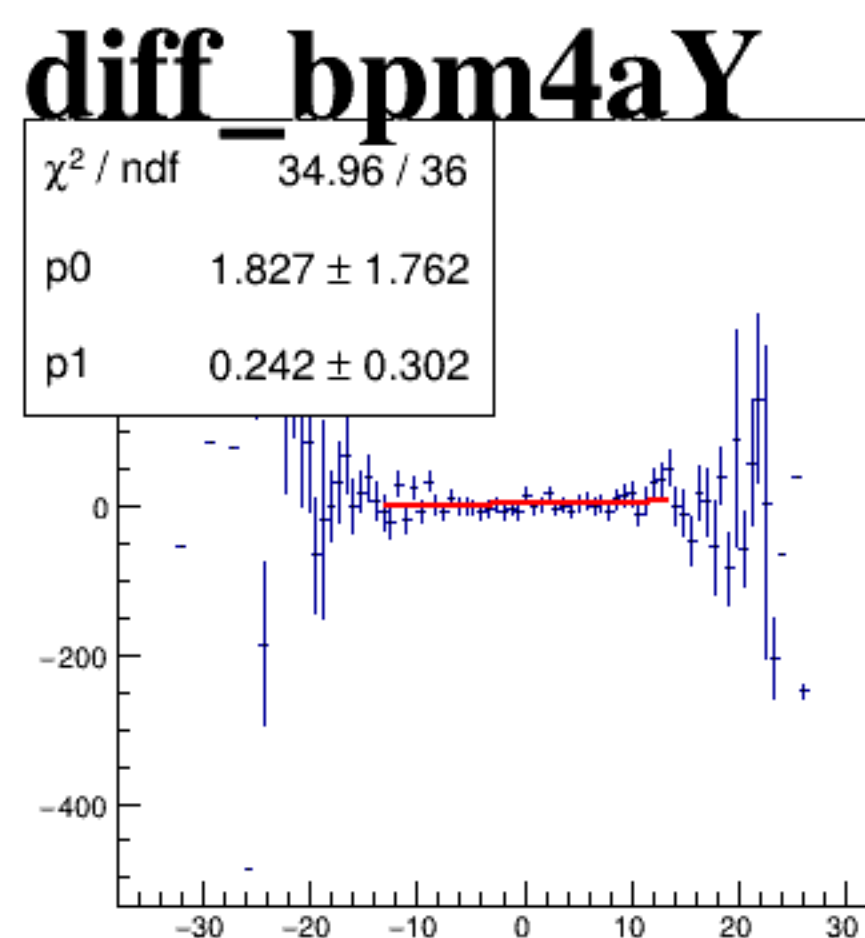
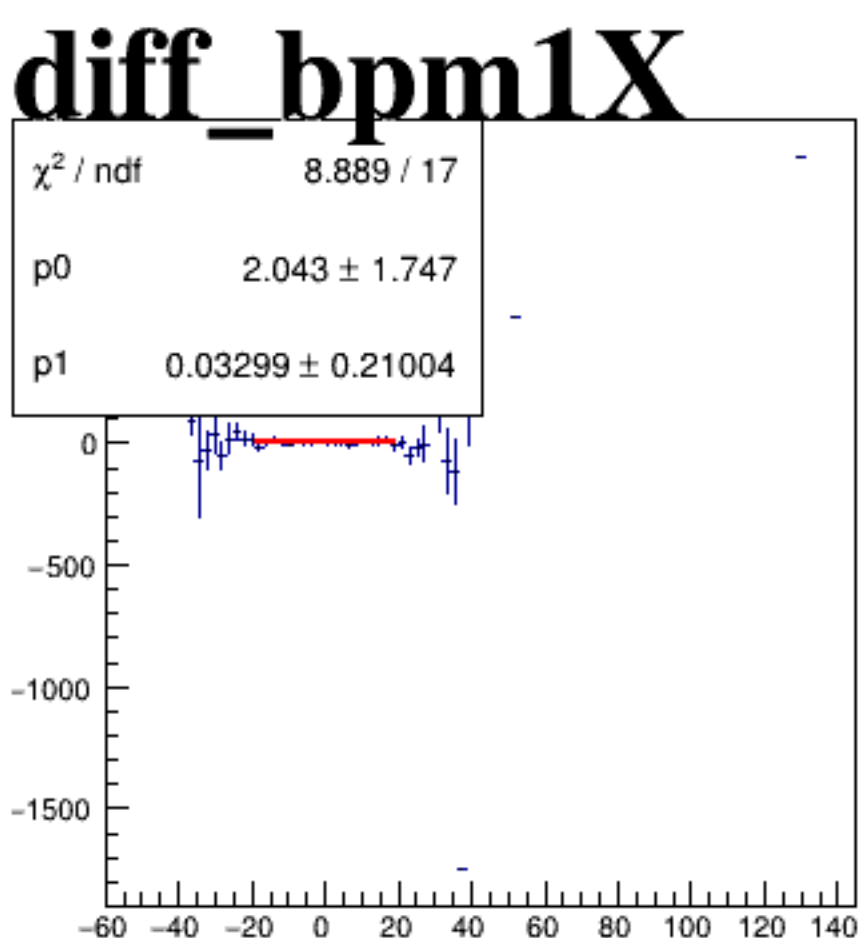
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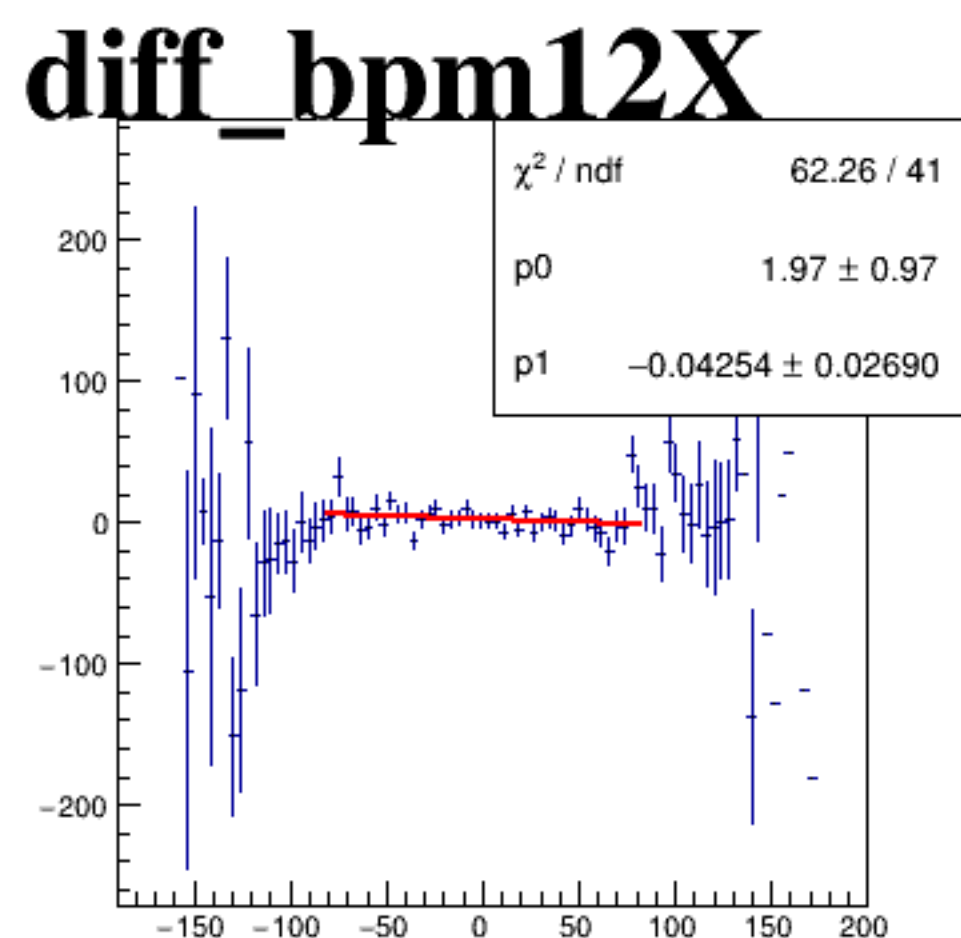
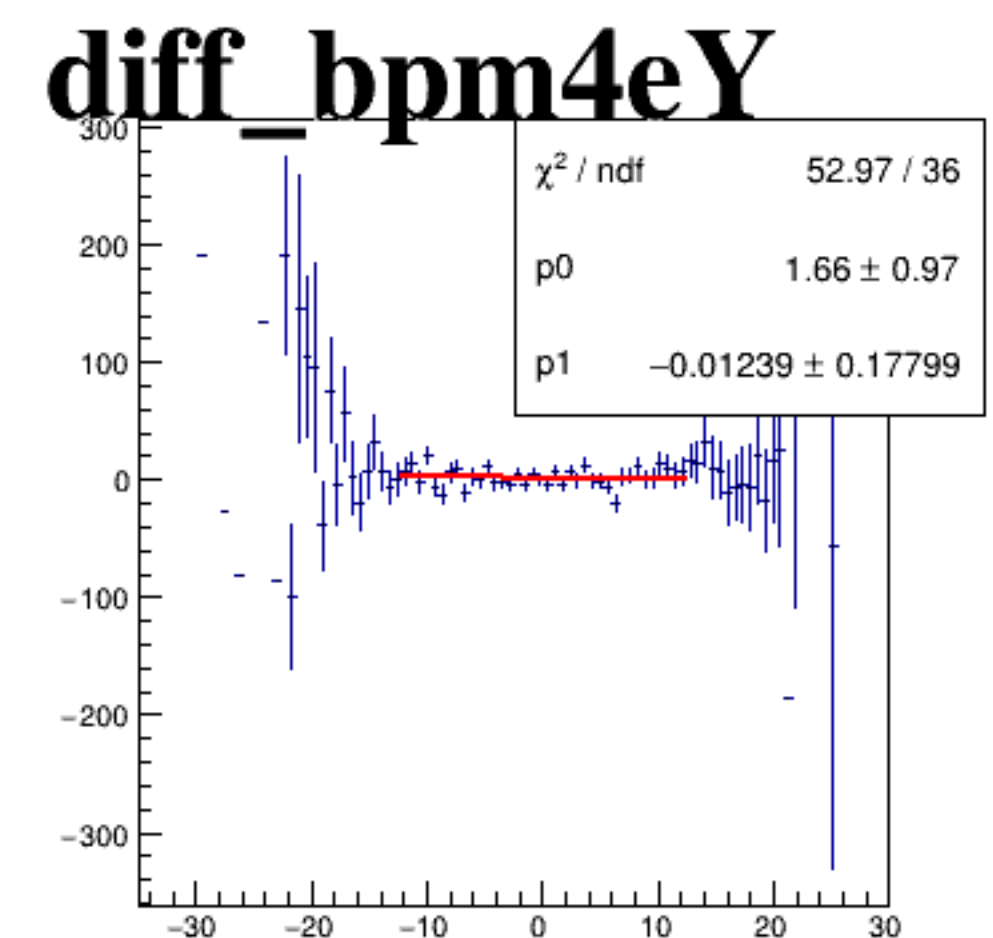
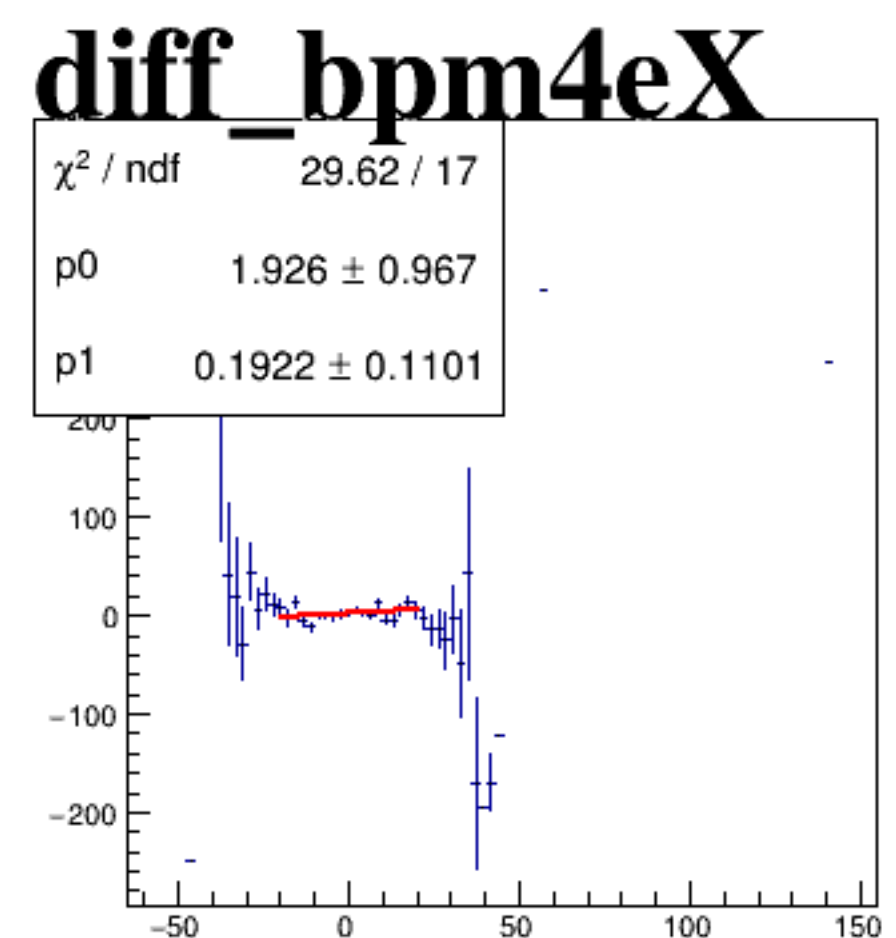
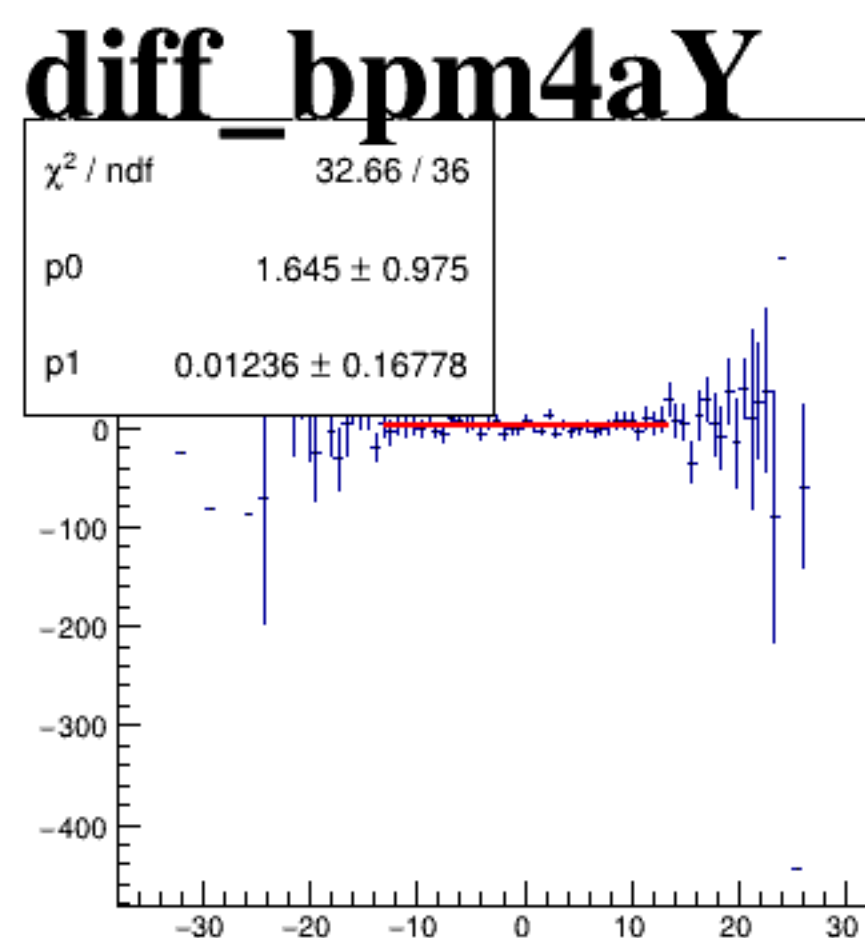
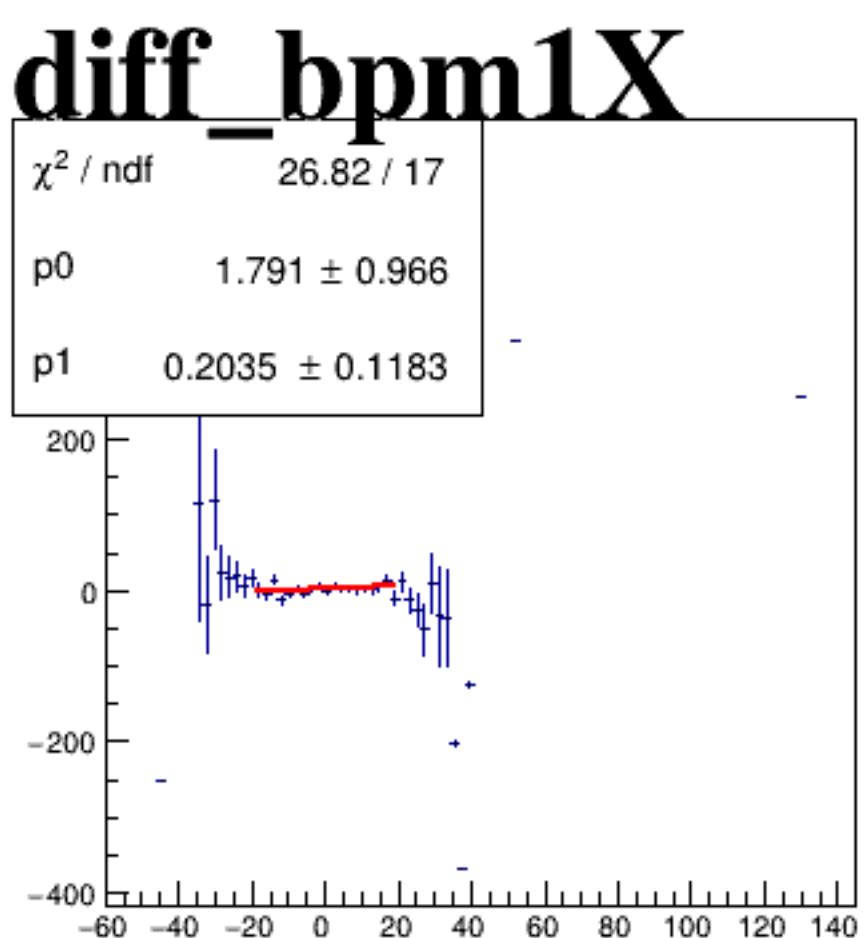
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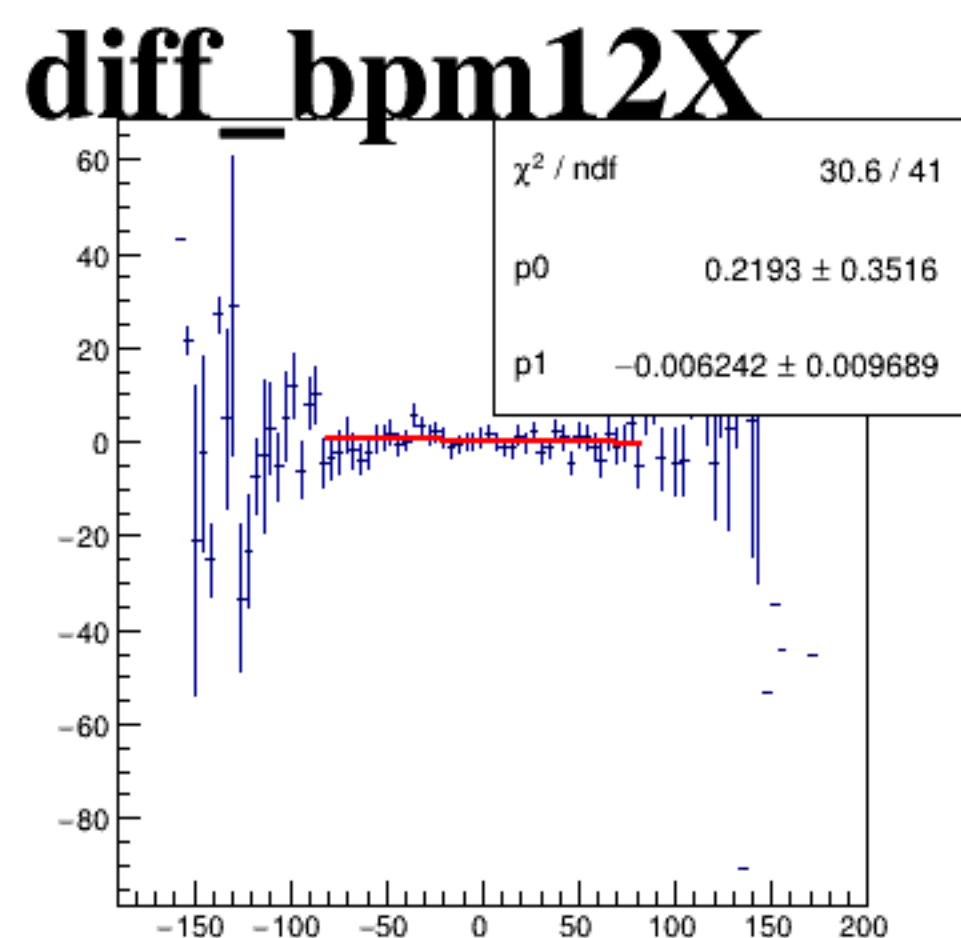
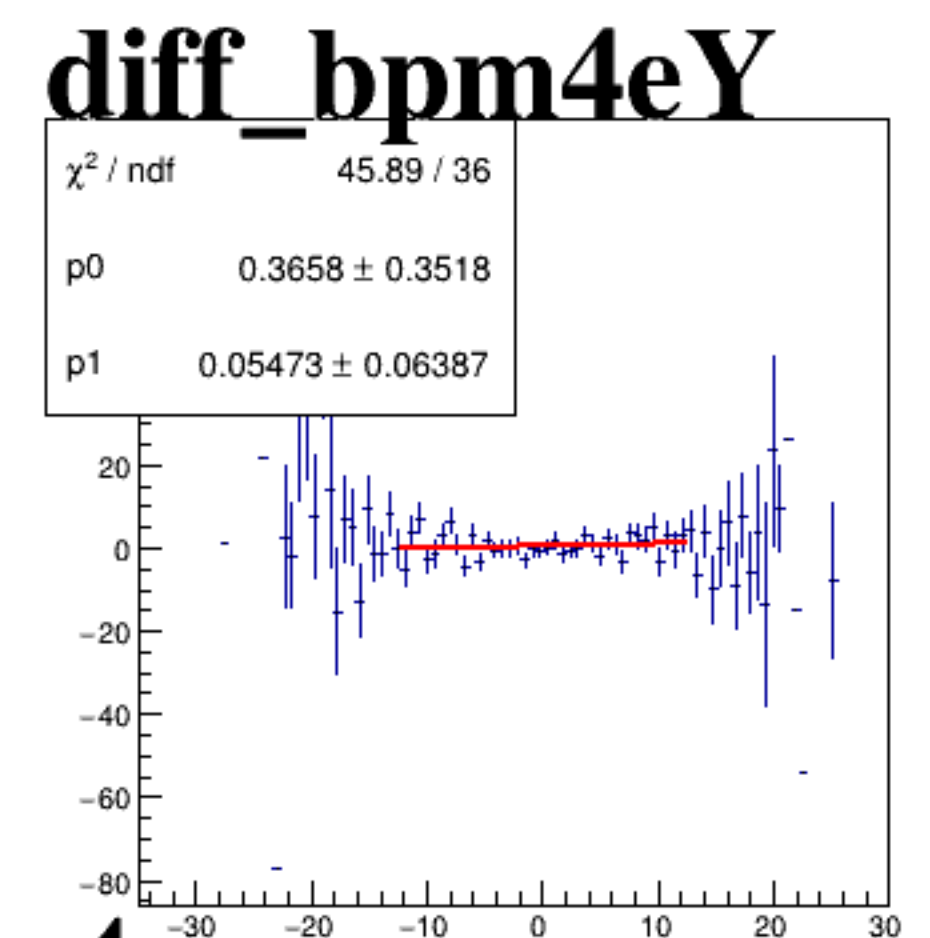
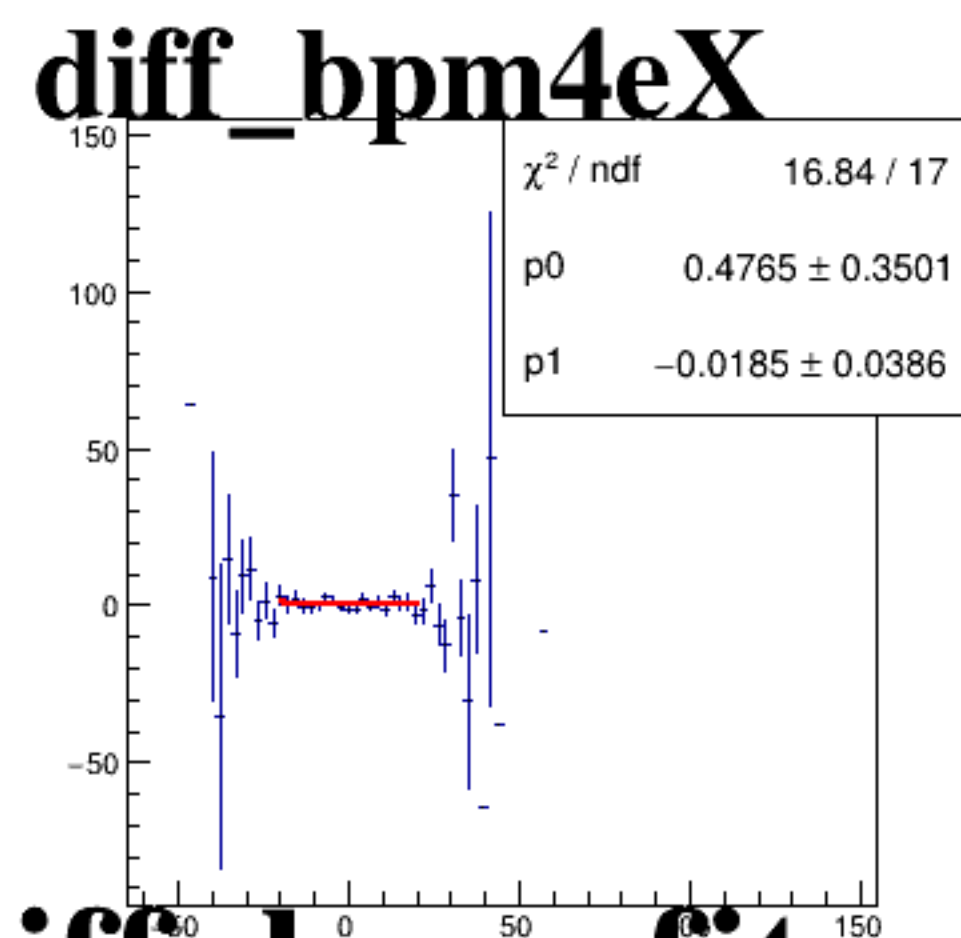
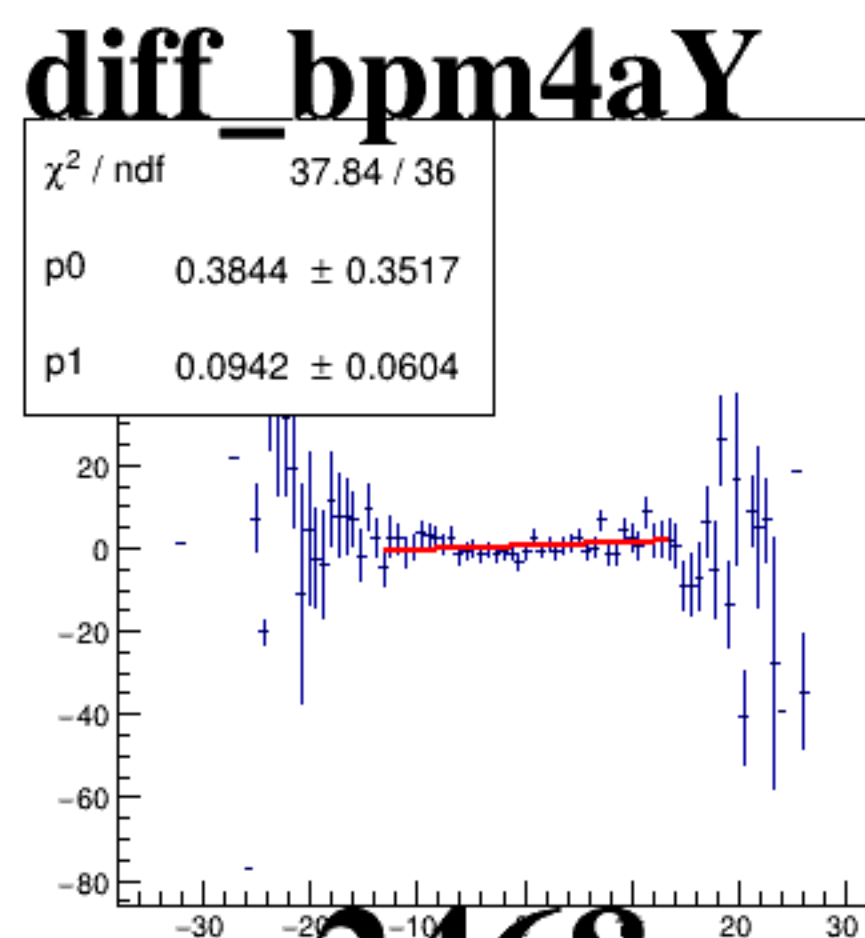
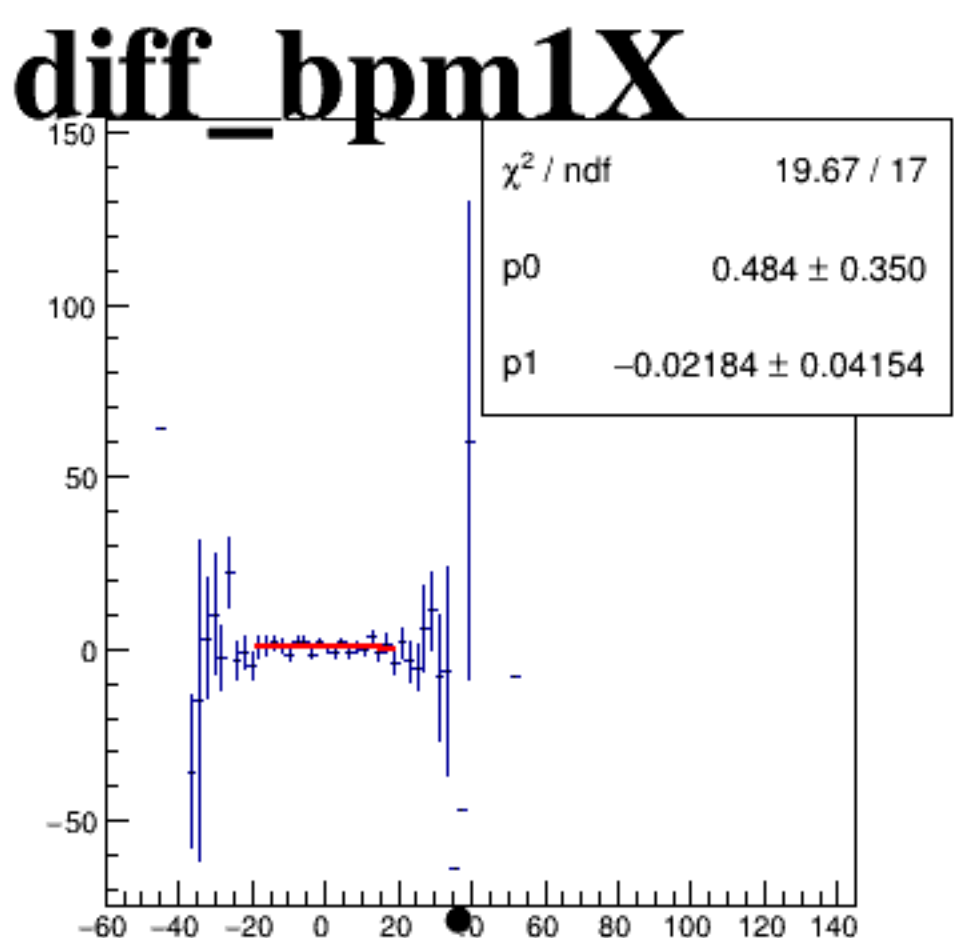
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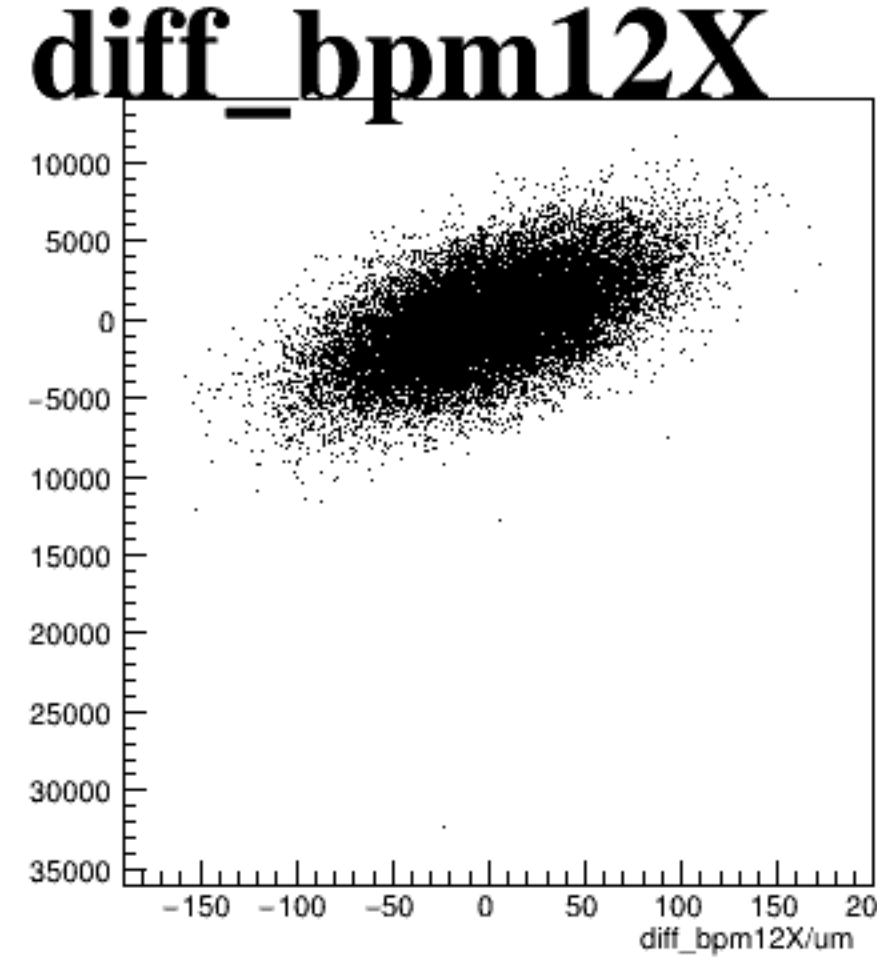
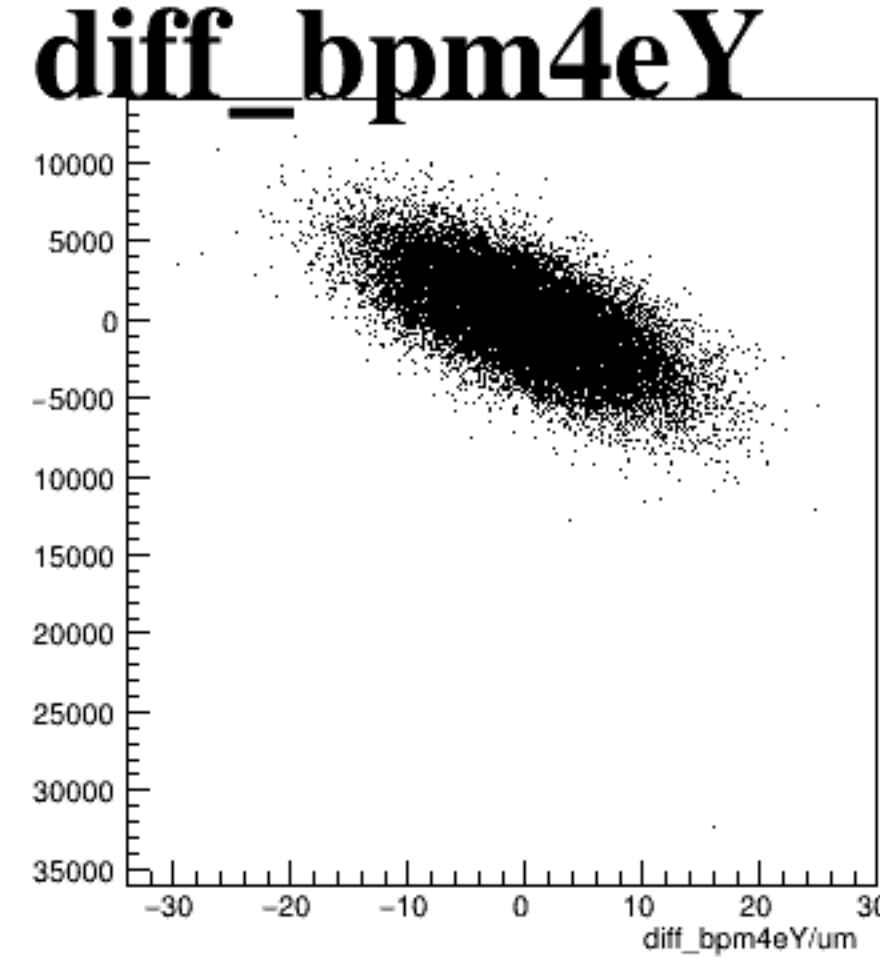
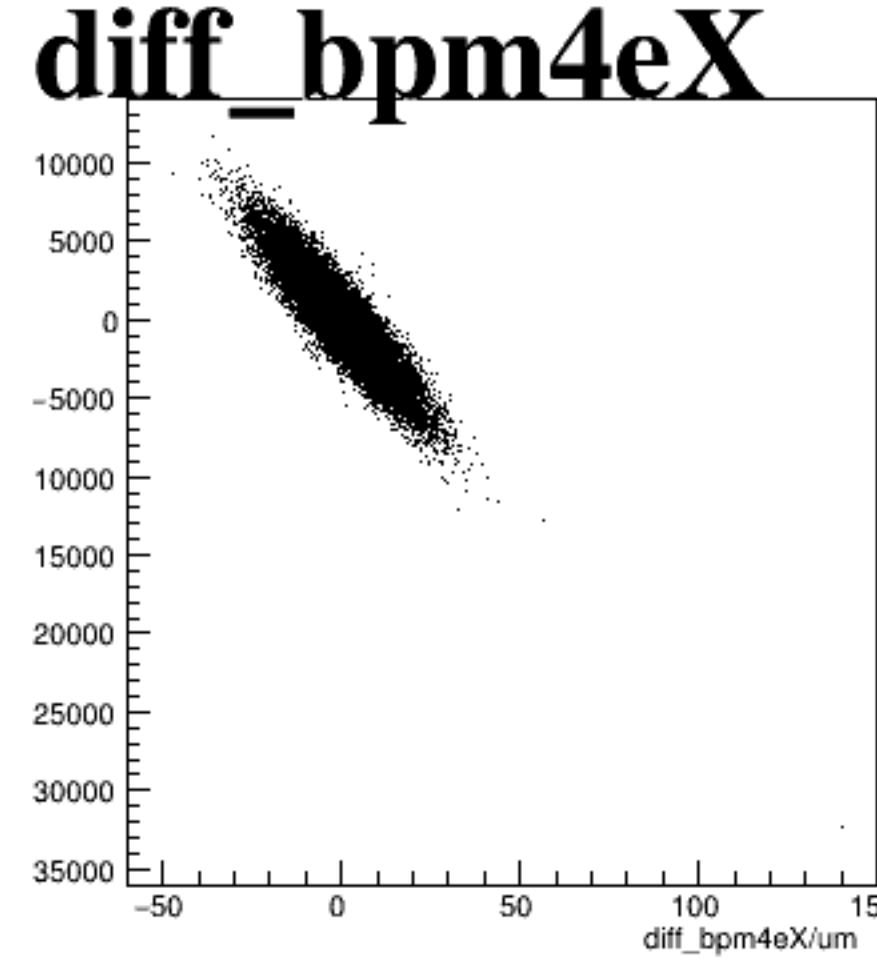
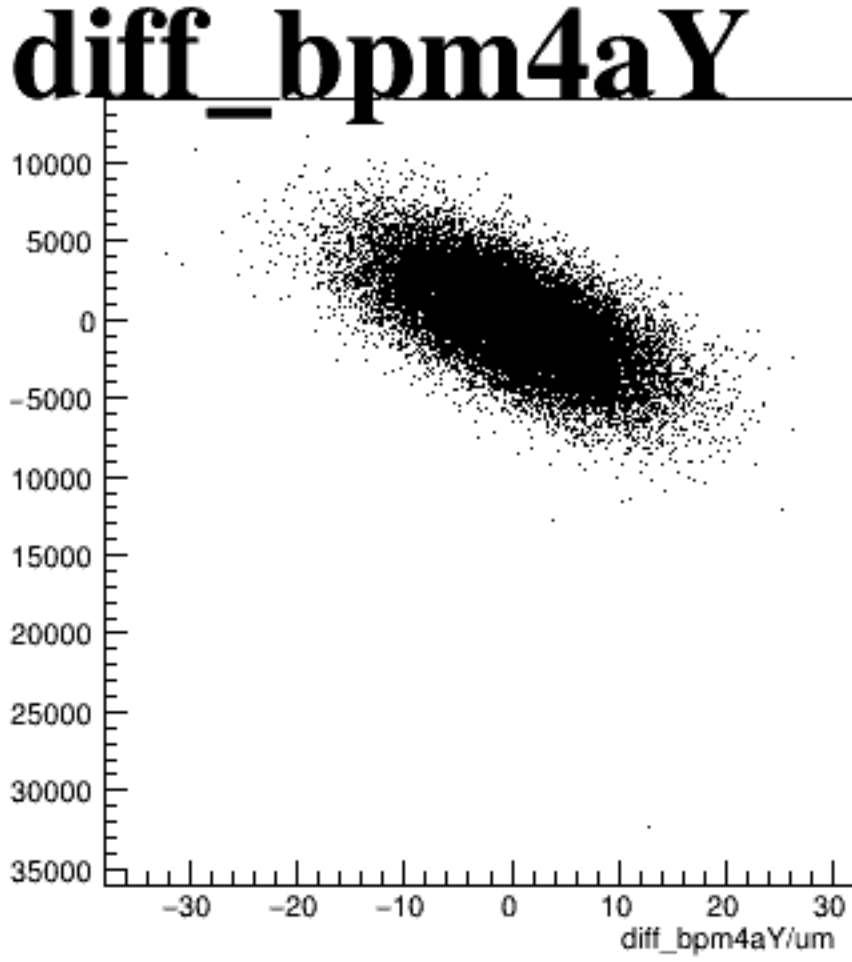
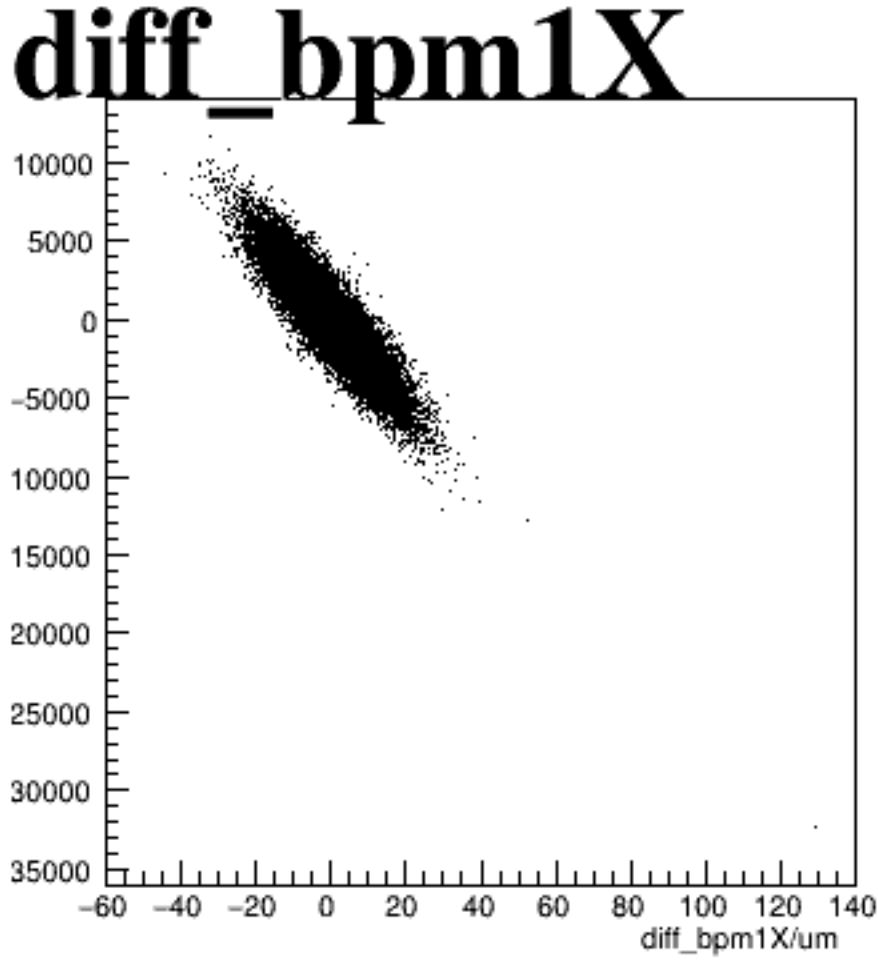
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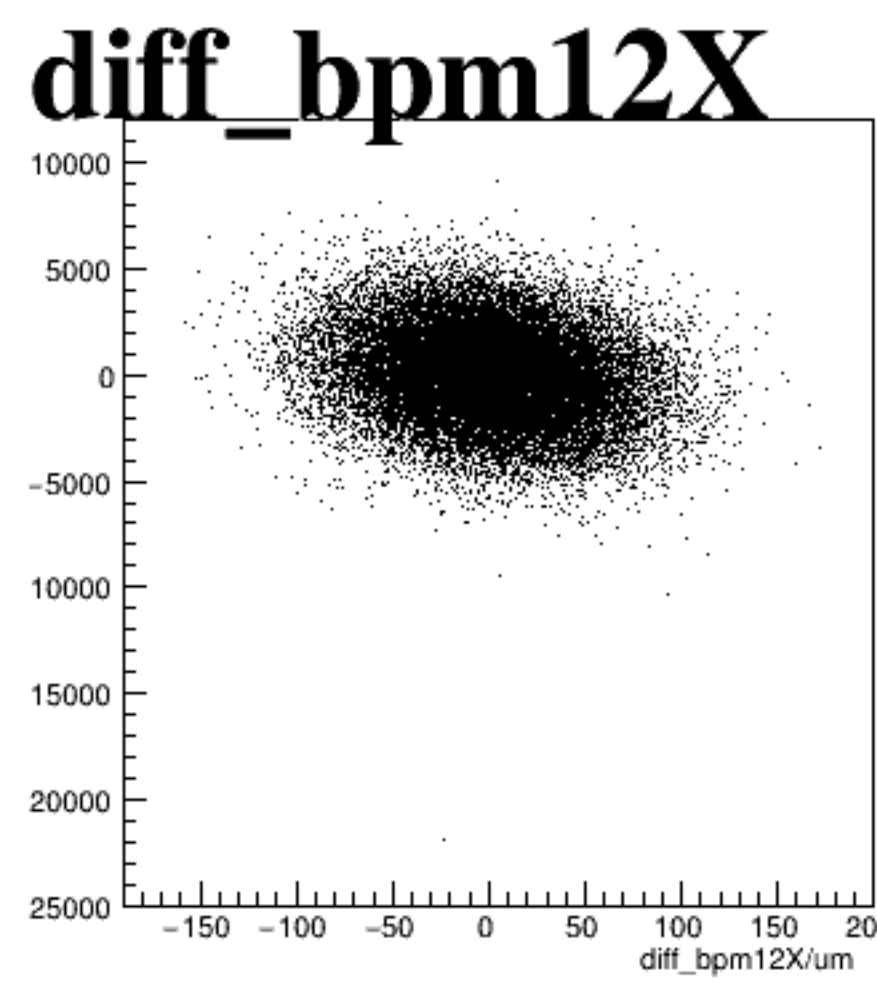
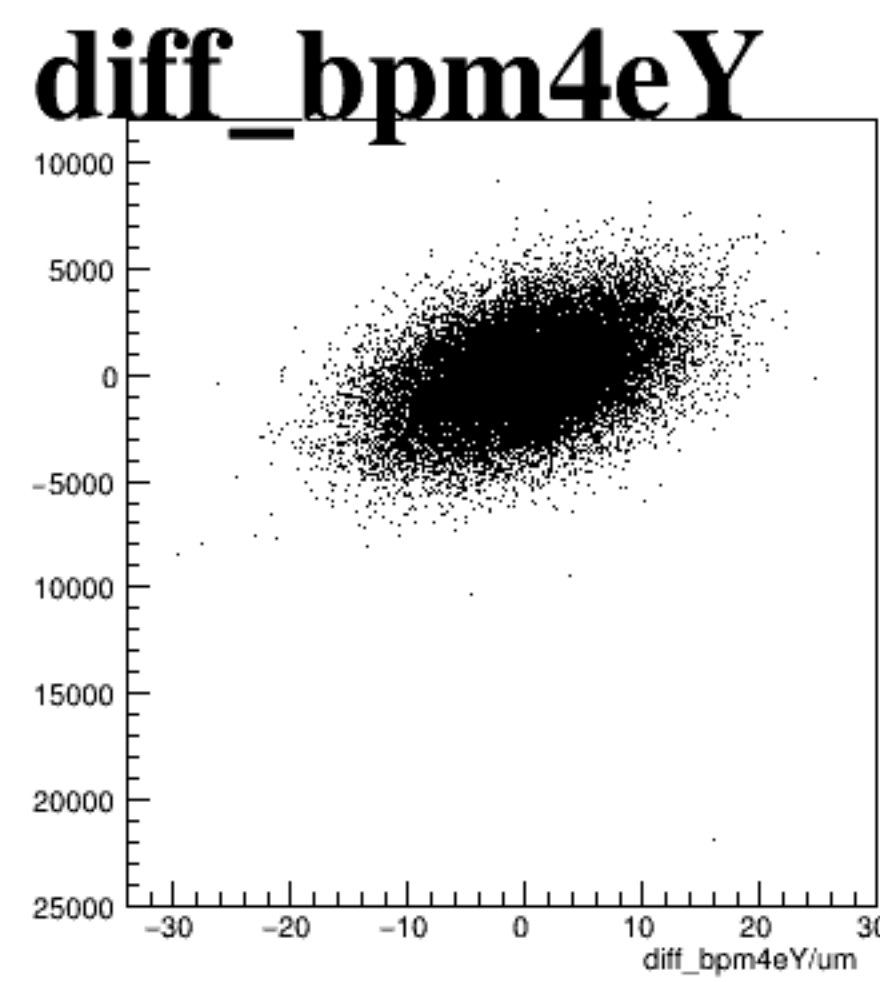
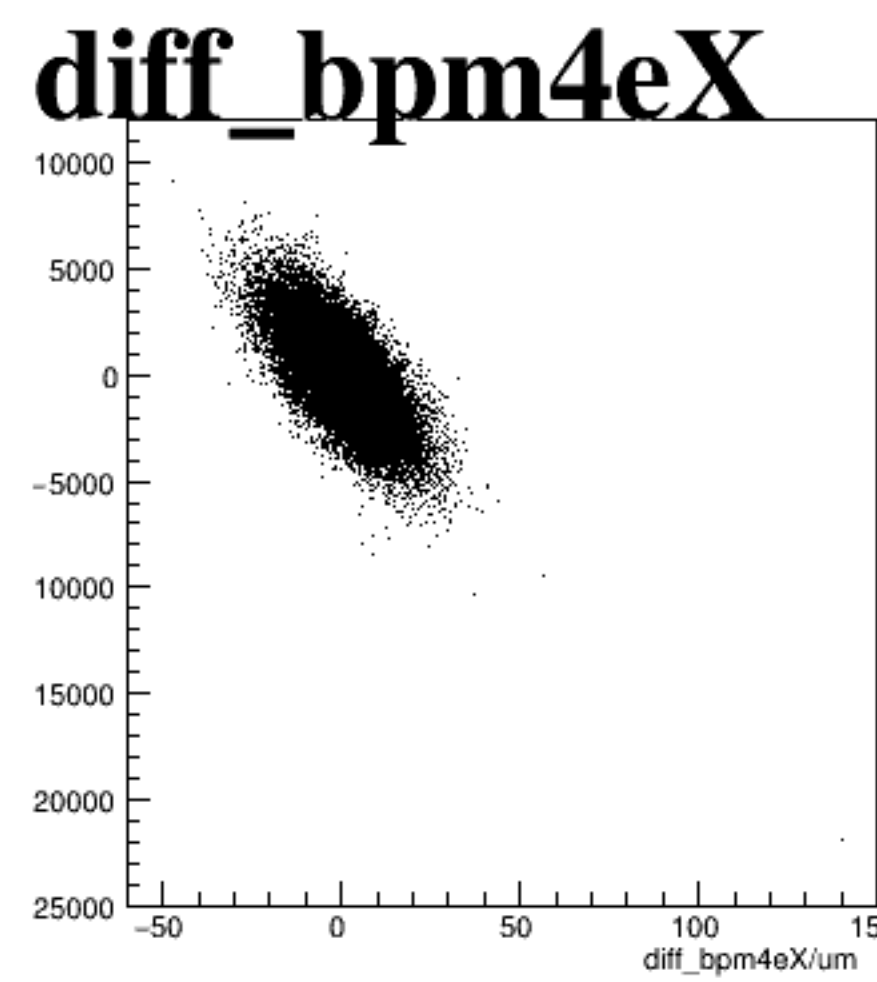
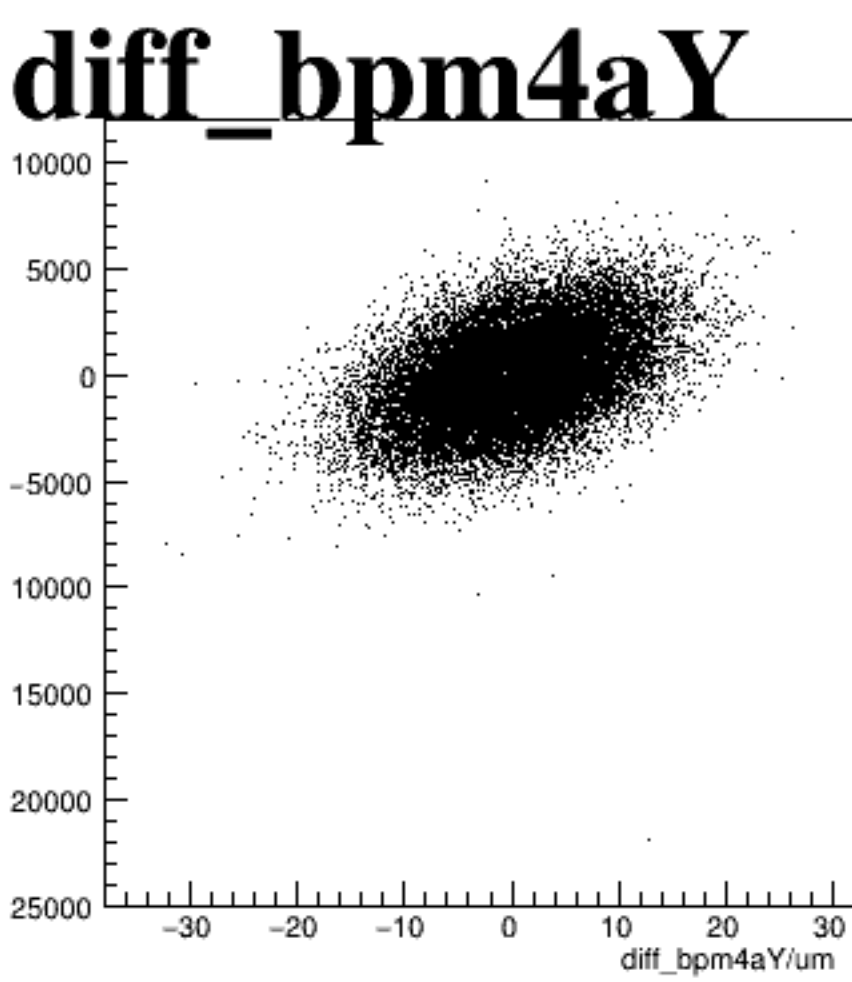
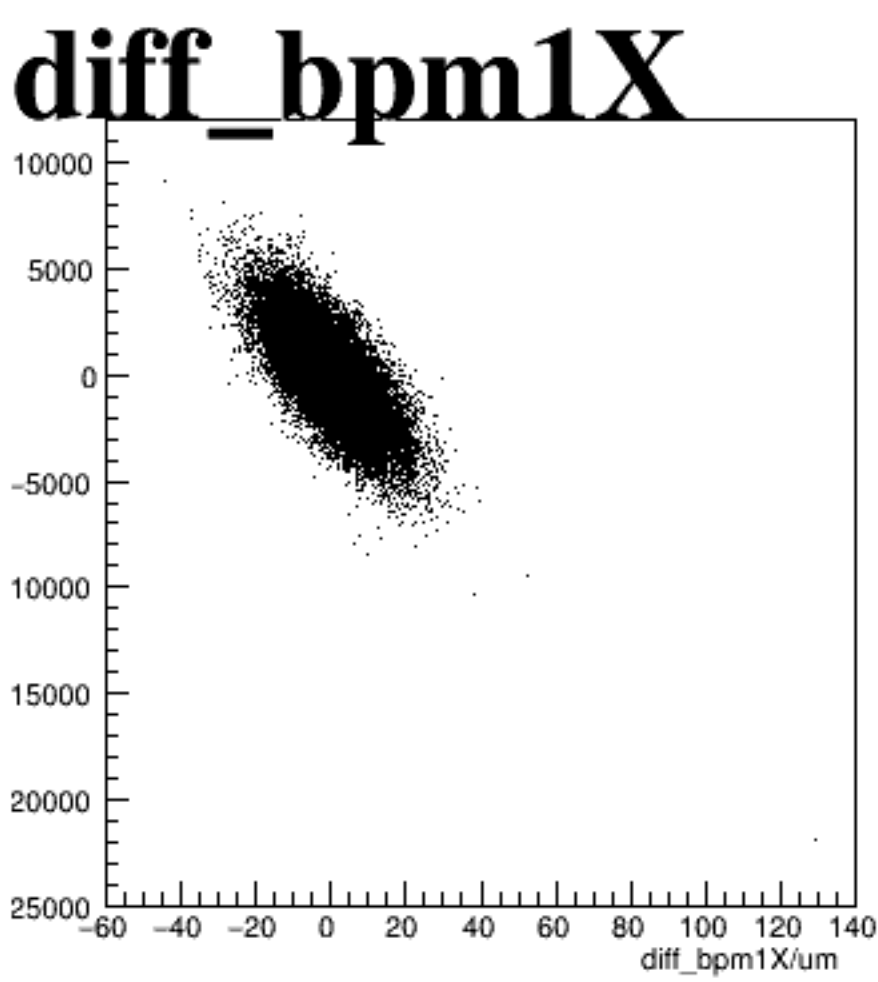
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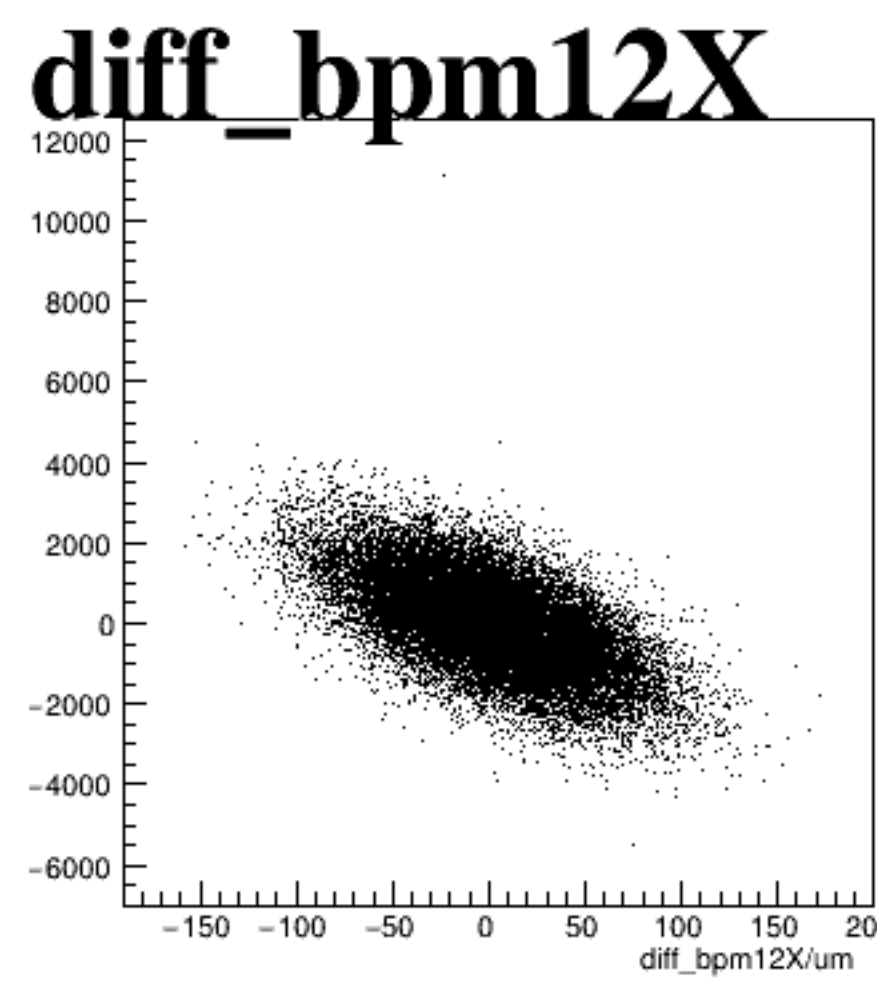
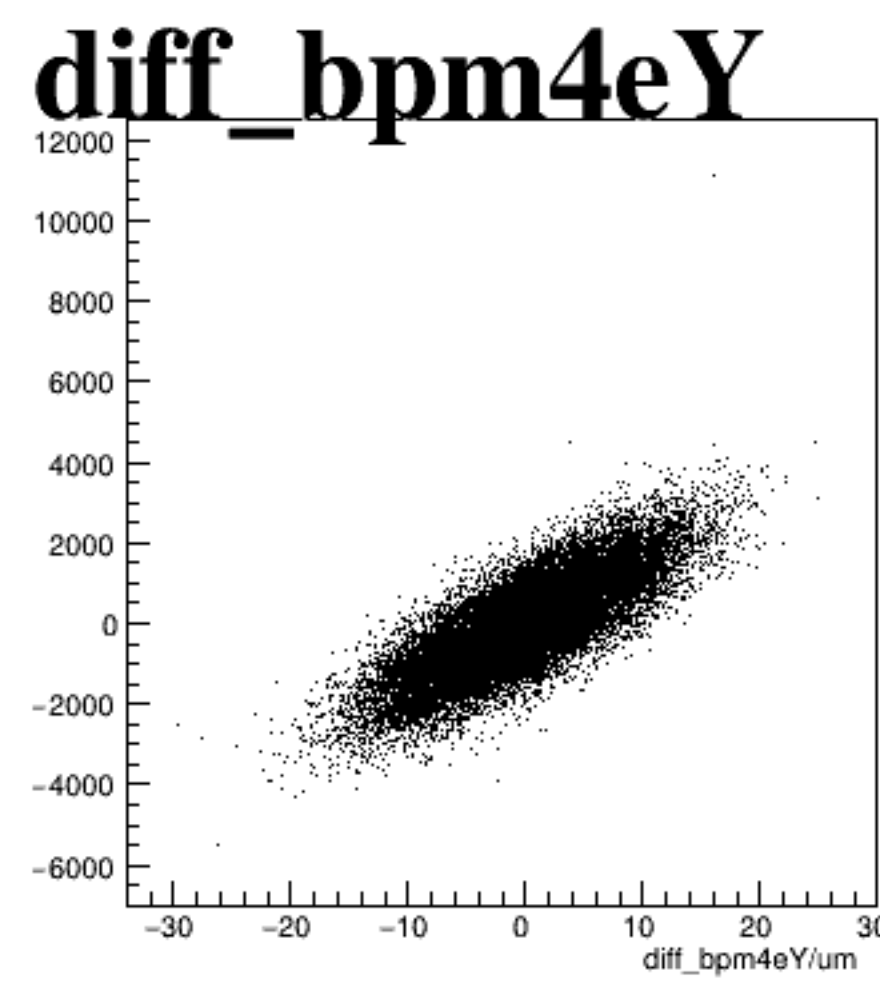
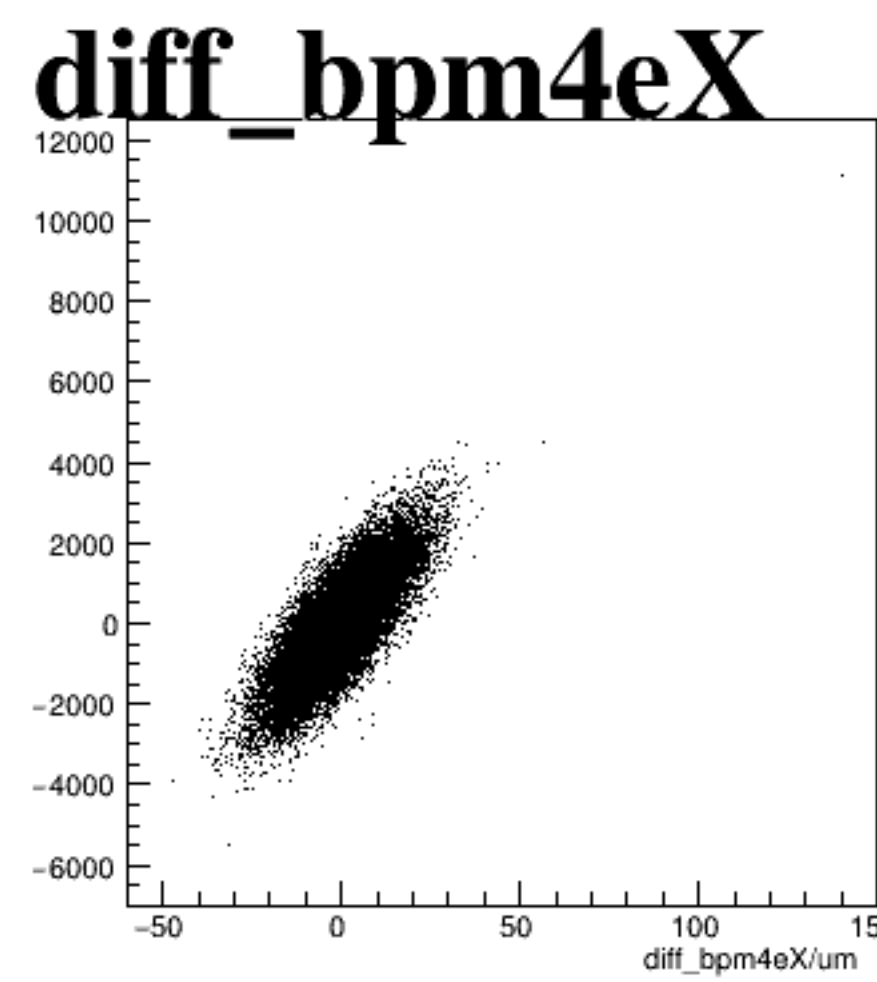
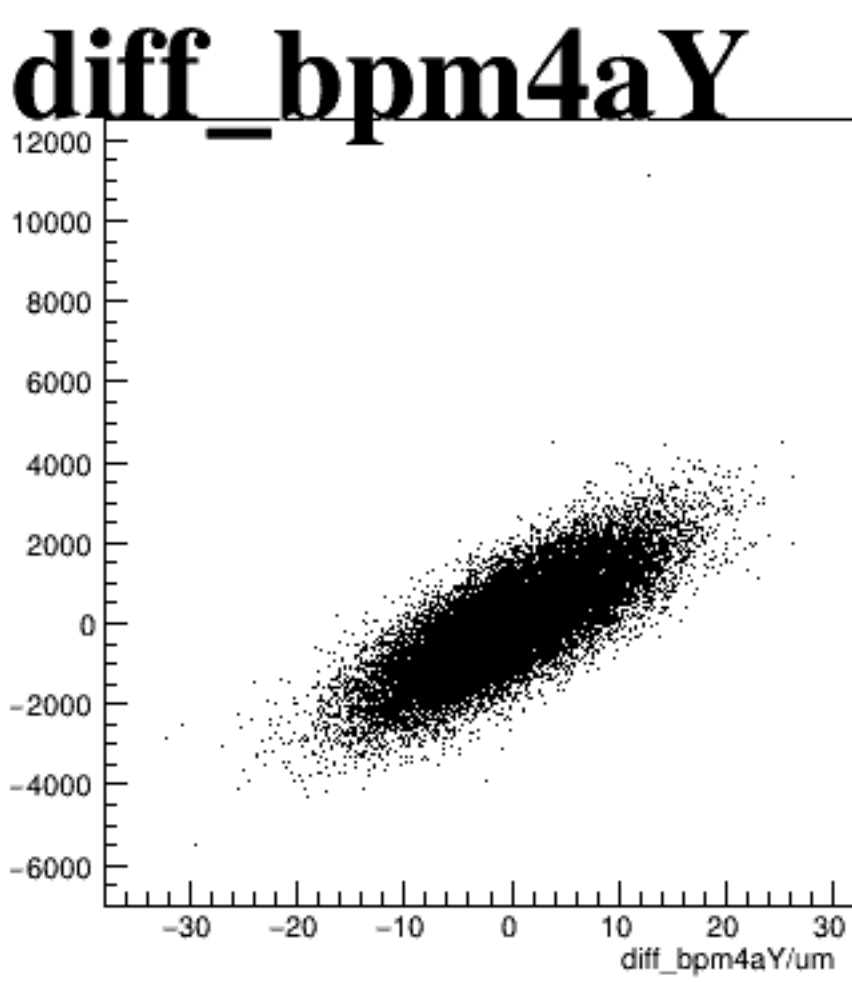
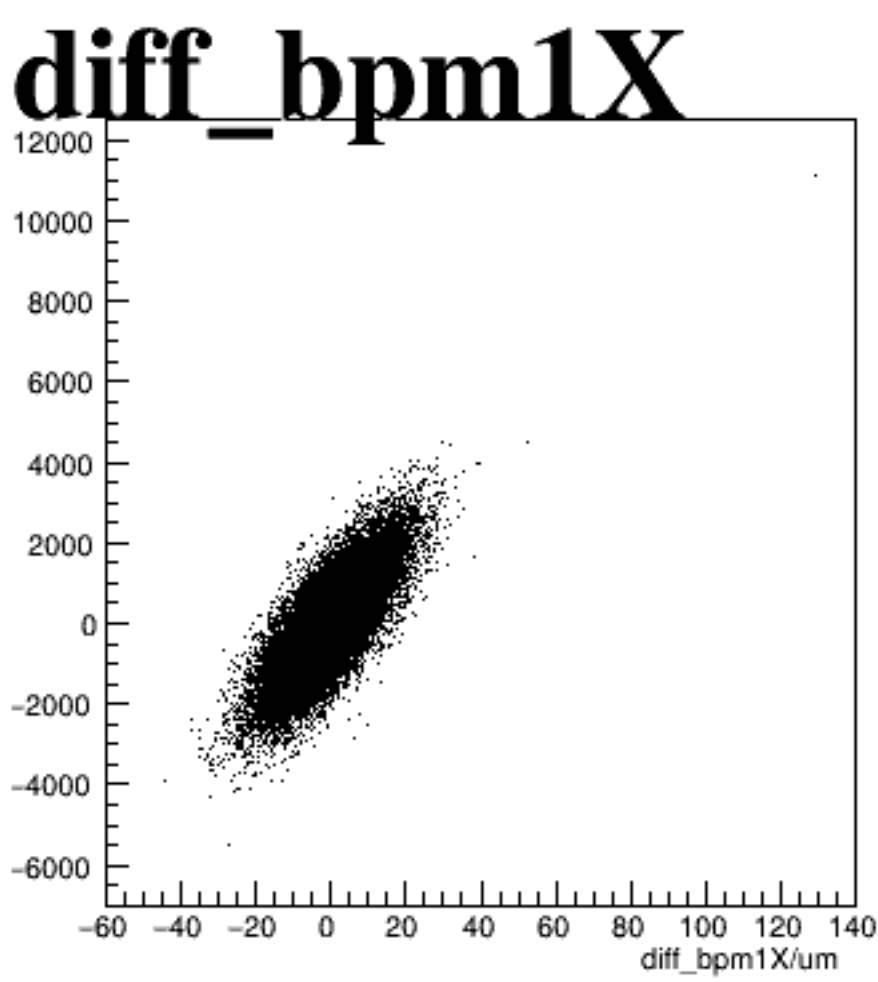
asym_sam2



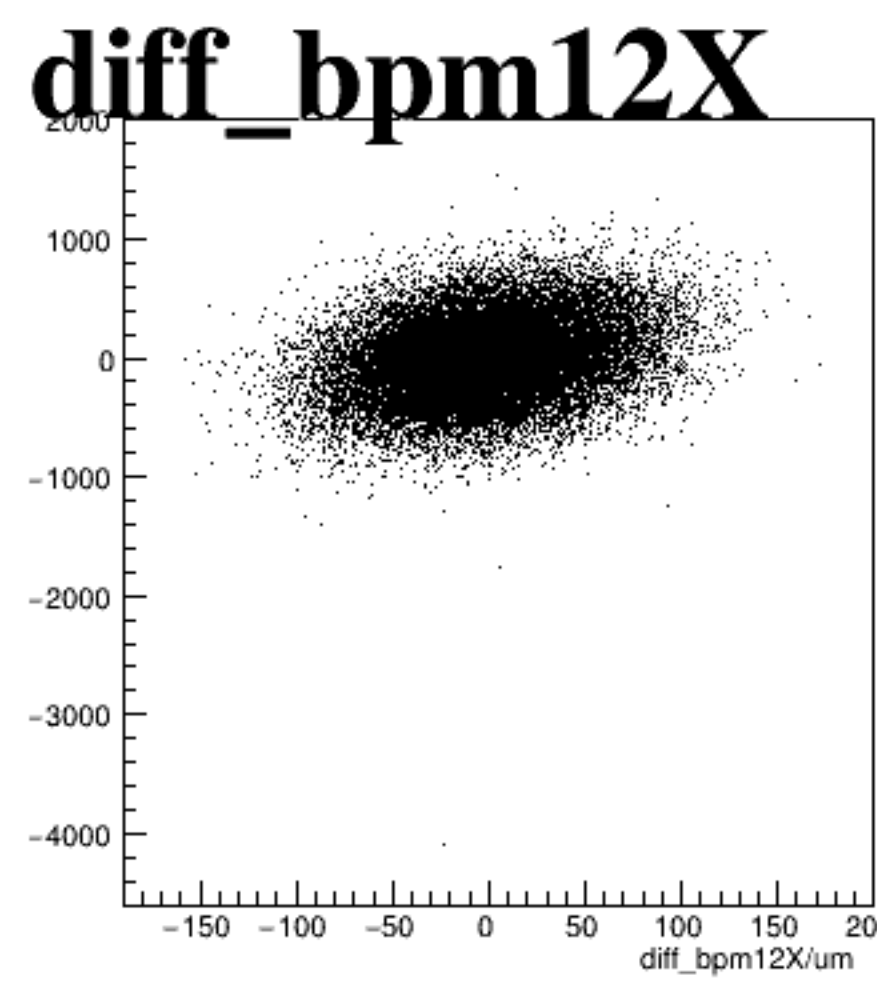
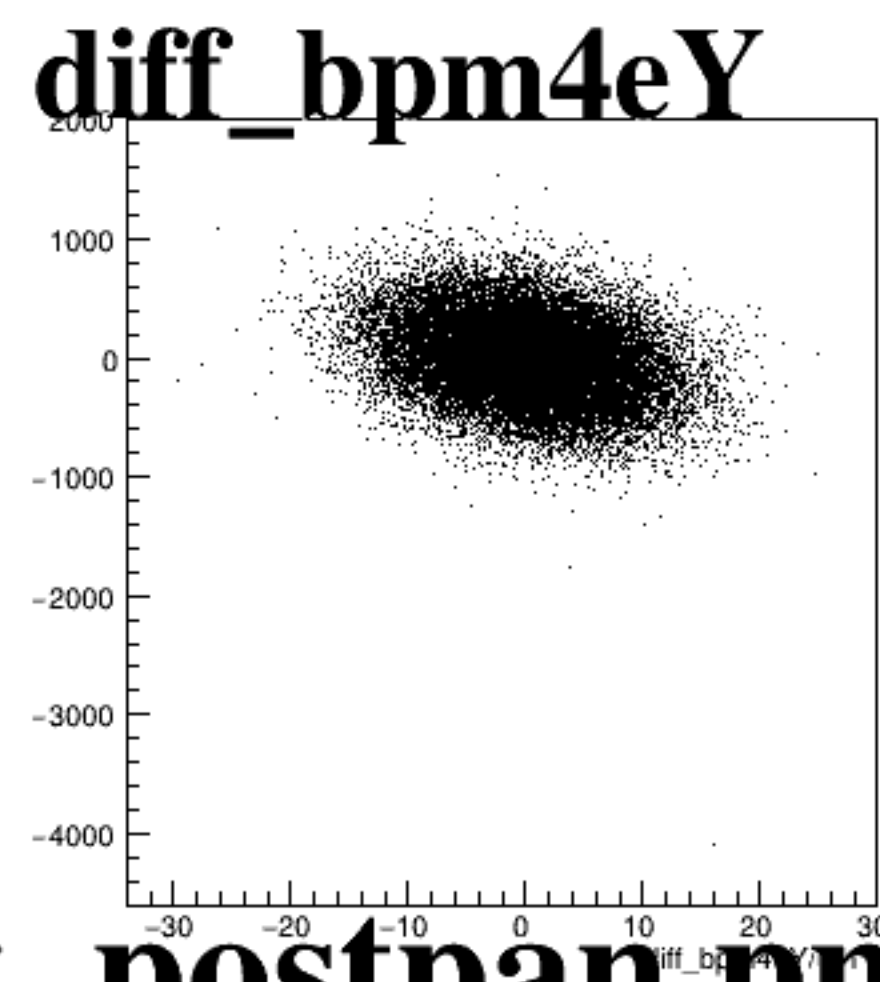
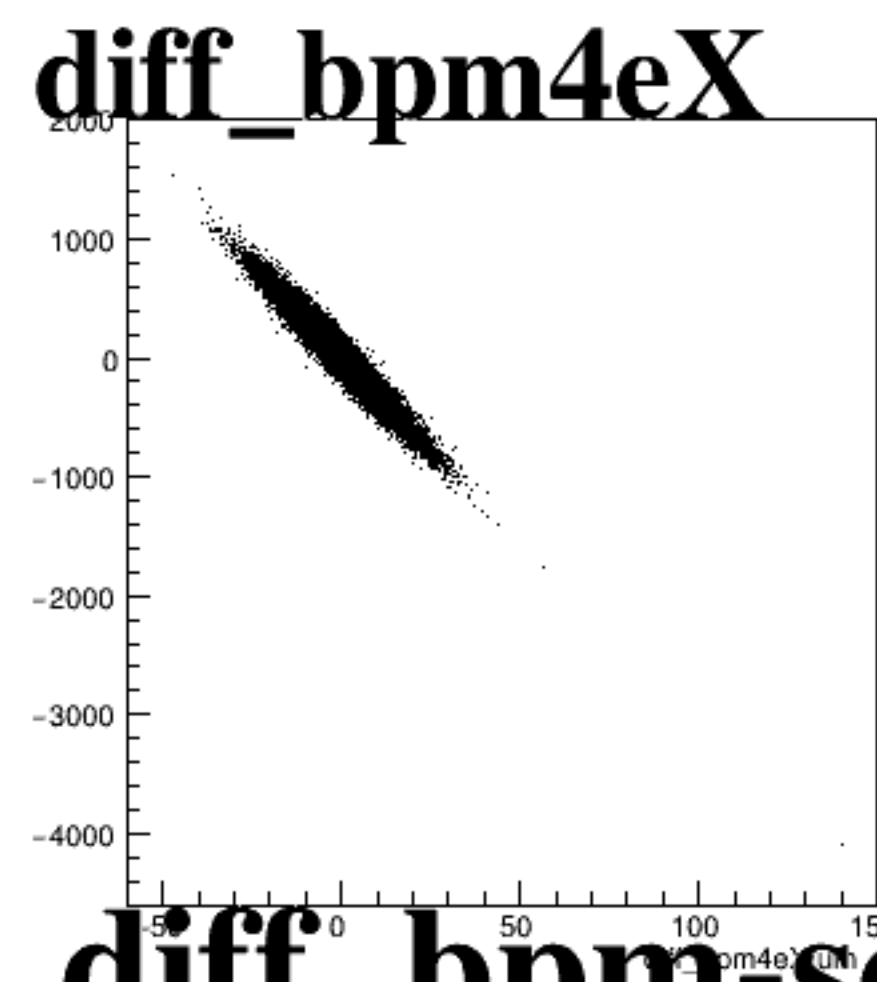
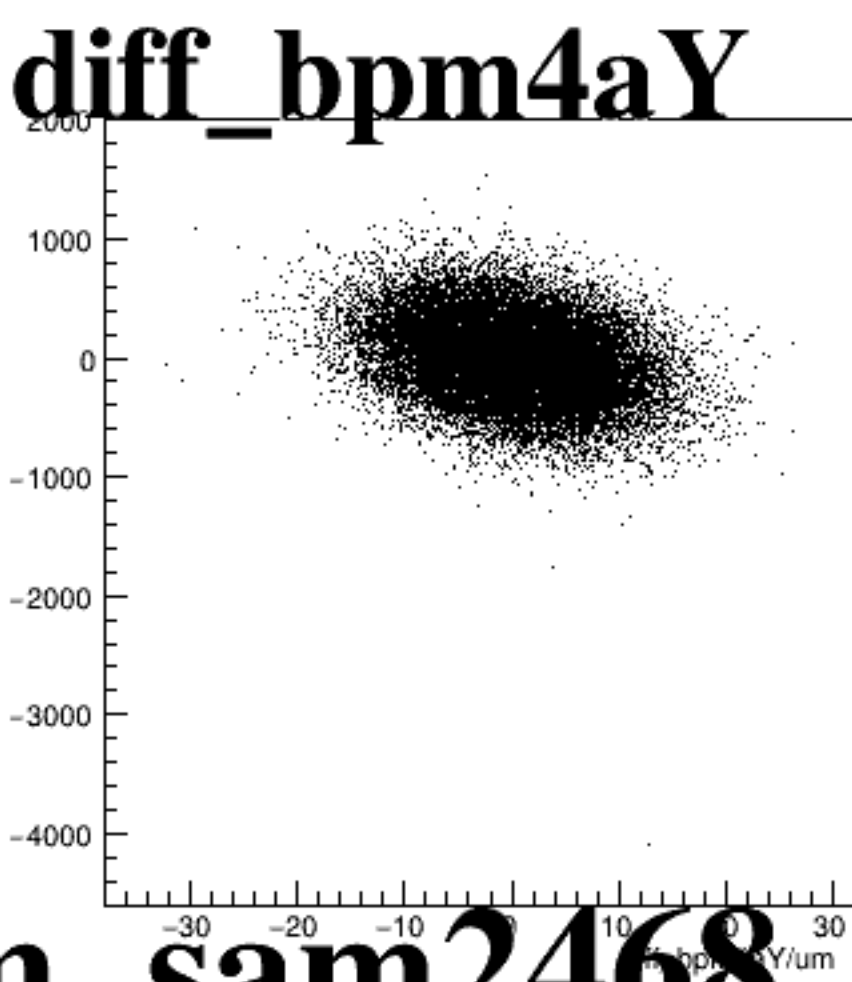
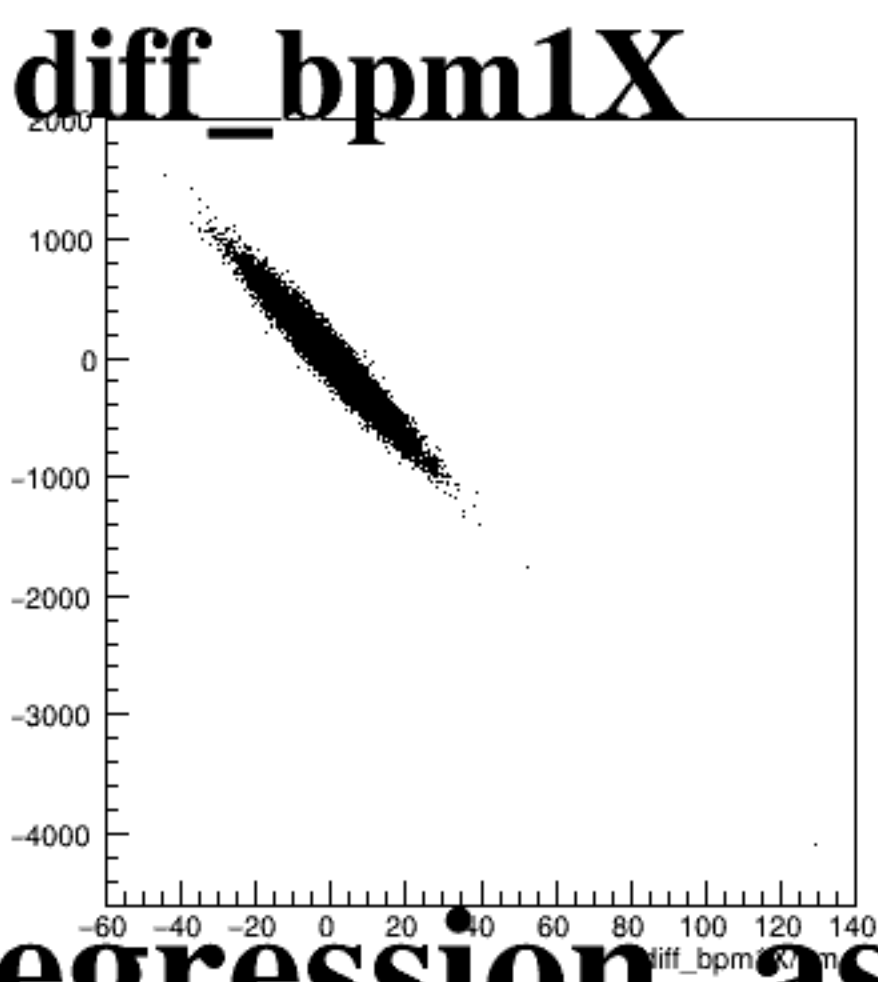
asym_sam4



asym_sam6



asym_sam8

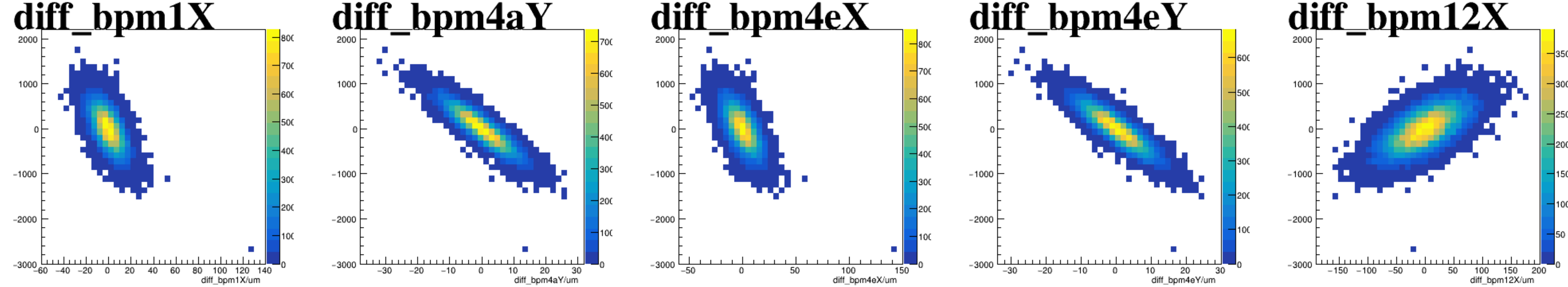


The figure displays five scatter plots, each representing the difference in BPM (diff_bpm) for a specific beam parameter. The y-axis for all plots is labeled 'diff_bpm' and ranges from -200 to 200. The x-axis labels are partially visible at the bottom of the image.

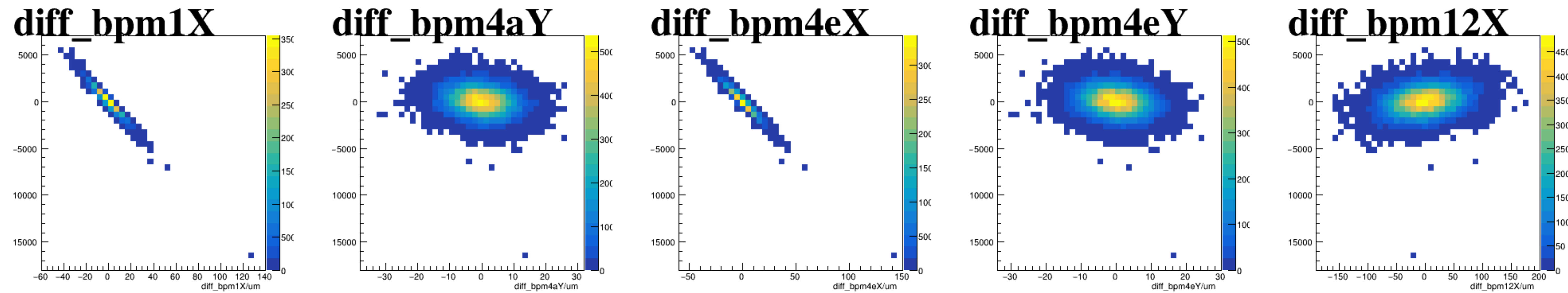
- diff_bpm1X**: The x-axis is labeled 'diff_bpm1X/reg'. The data points are tightly clustered around the origin, with a slight elongation along the x-axis.
- diff_bpm4aY**: The x-axis is labeled 'diff_bpm4aY/sam2468'. The data points form a dense, roughly circular cloud centered at the origin.
- diff_bpm4eX**: The x-axis is labeled 'diff_bpm4eX/reg'. The data points are tightly clustered around the origin, with a slight elongation along the x-axis.
- diff_bpm4eY**: The x-axis is labeled 'diff_bpm4eY/sam2468'. The data points form a dense, roughly circular cloud centered at the origin.
- diff_bpm12X**: The x-axis is labeled 'diff_bpm12X/reg'. The data points form a dense, roughly circular cloud centered at the origin.

All plots show a high density of points, indicating that the two methods (regression and sam2468) are in very close agreement for the BPM measurements across all parameters.

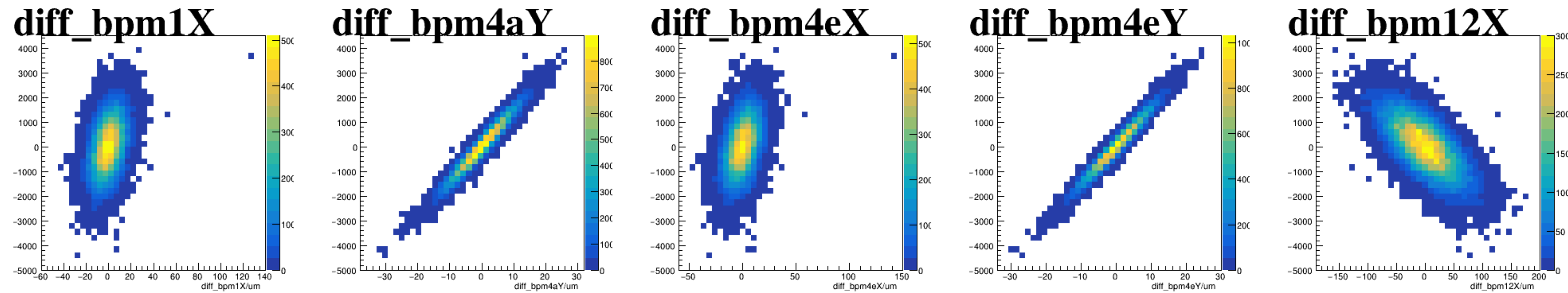
asym_sam1



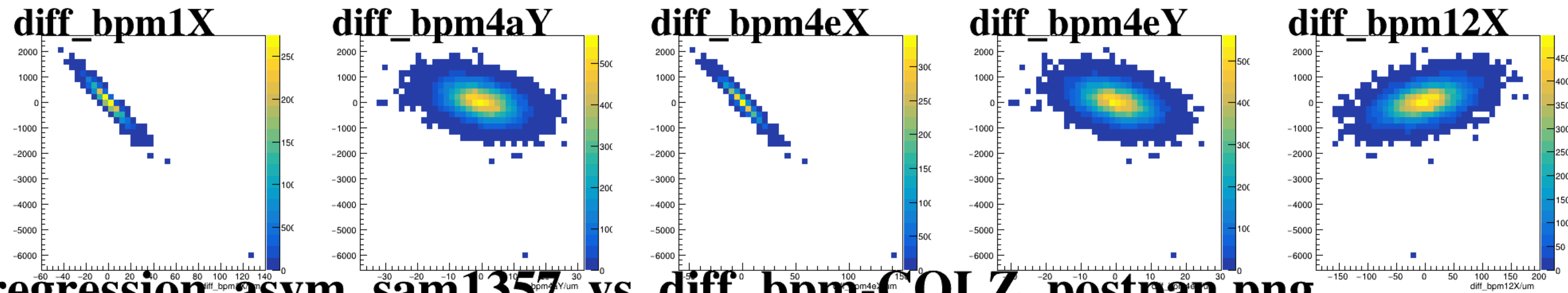
asym_sam3



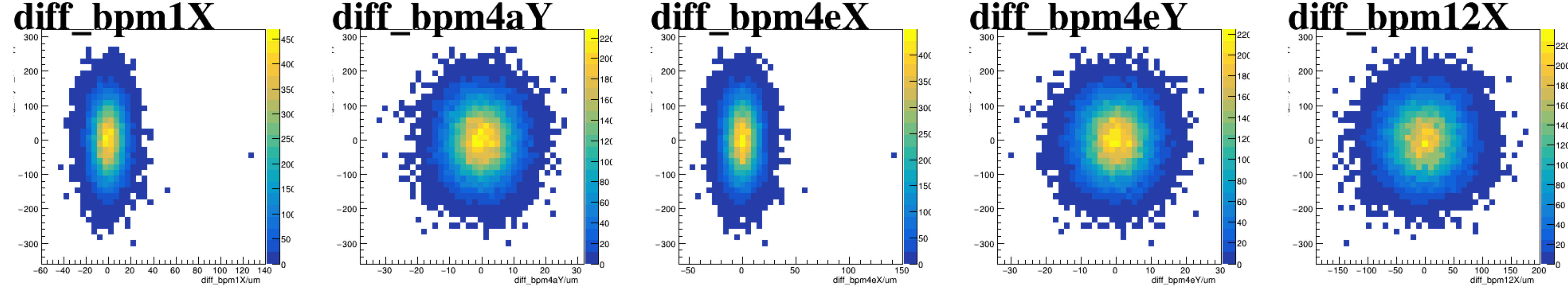
asym_sam5



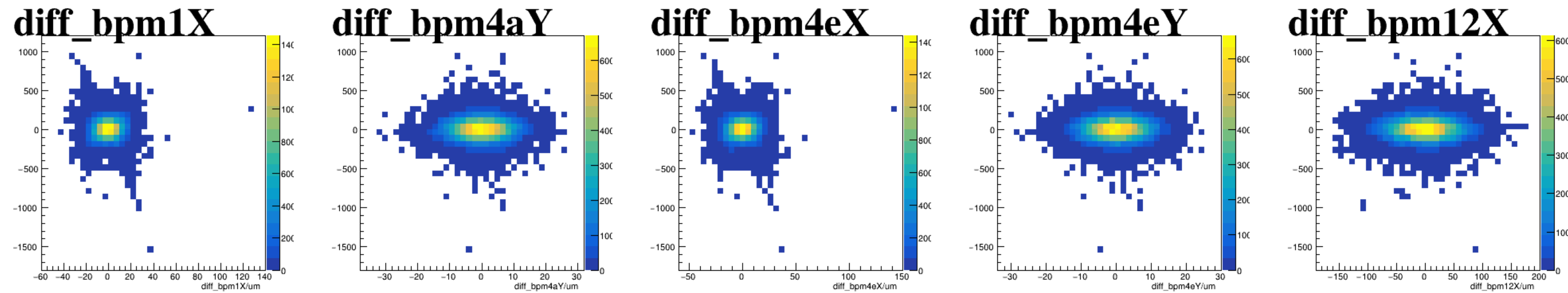
asym_sam7



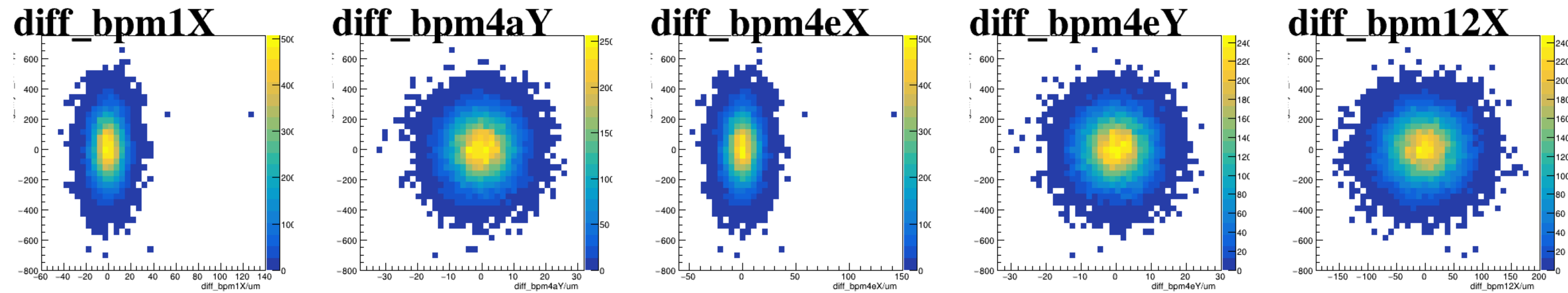
reg_asym_sam1



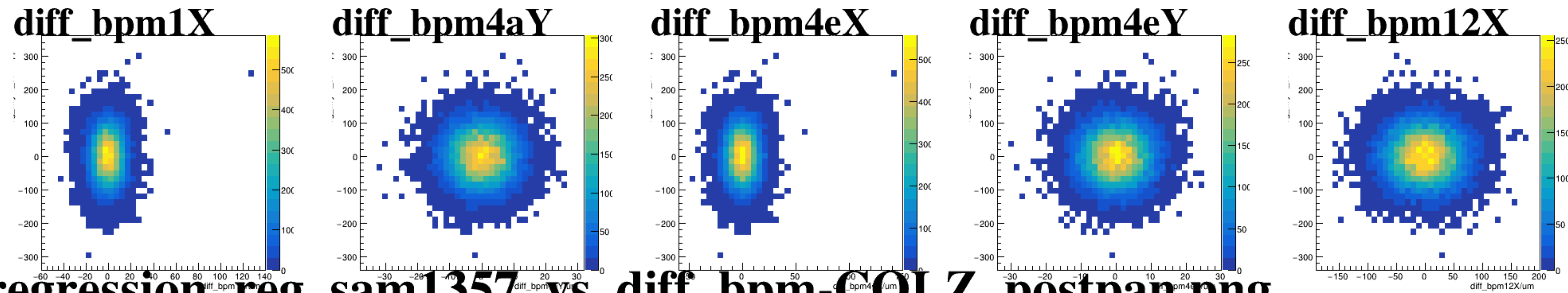
reg_asym_sam3



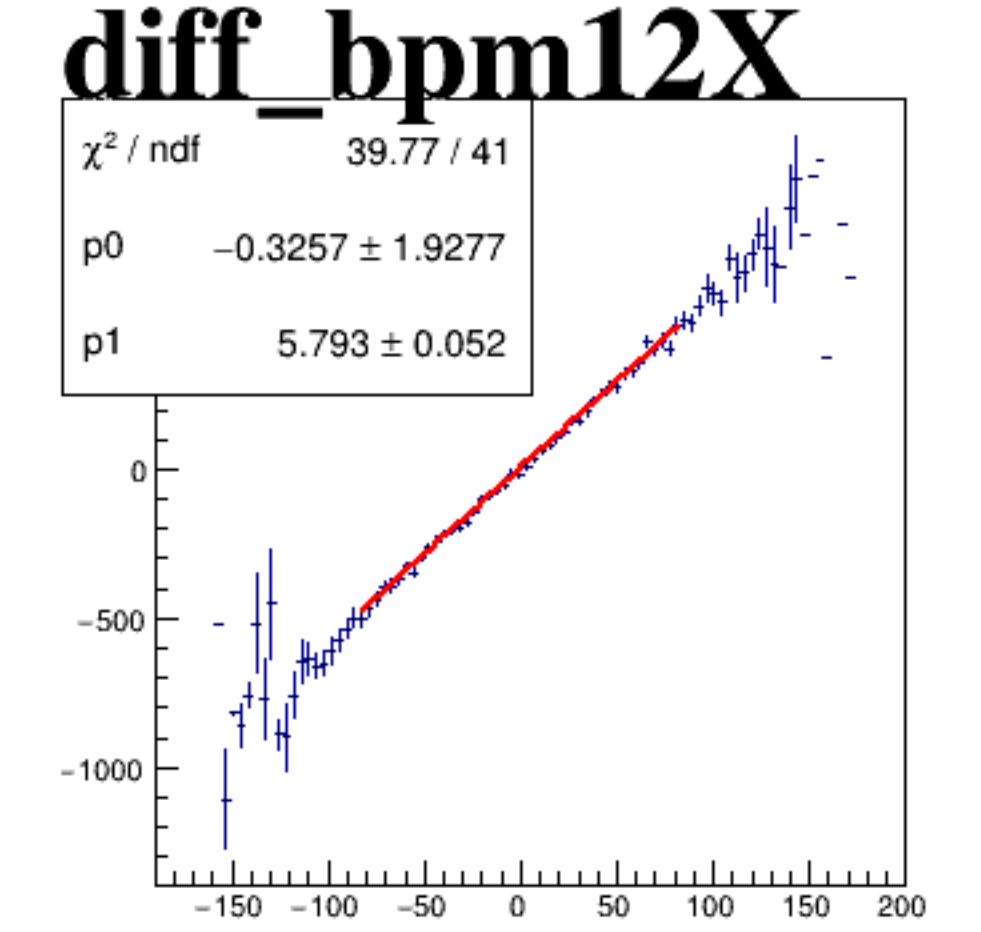
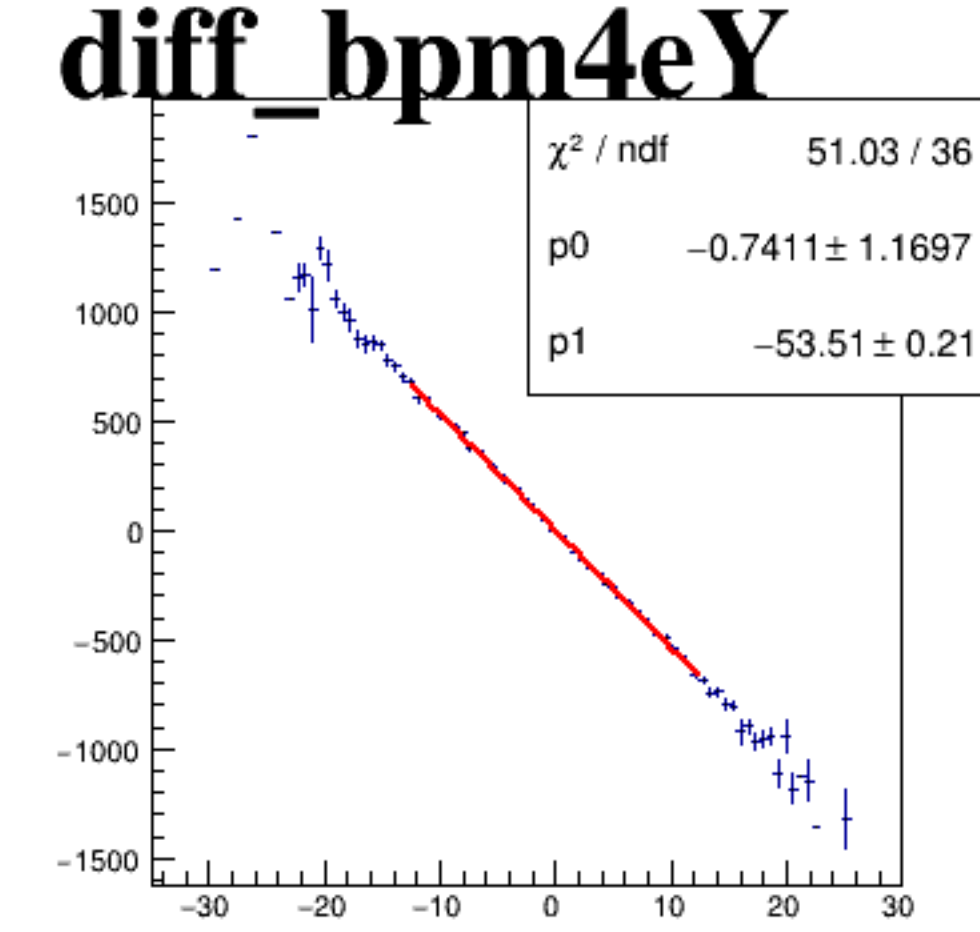
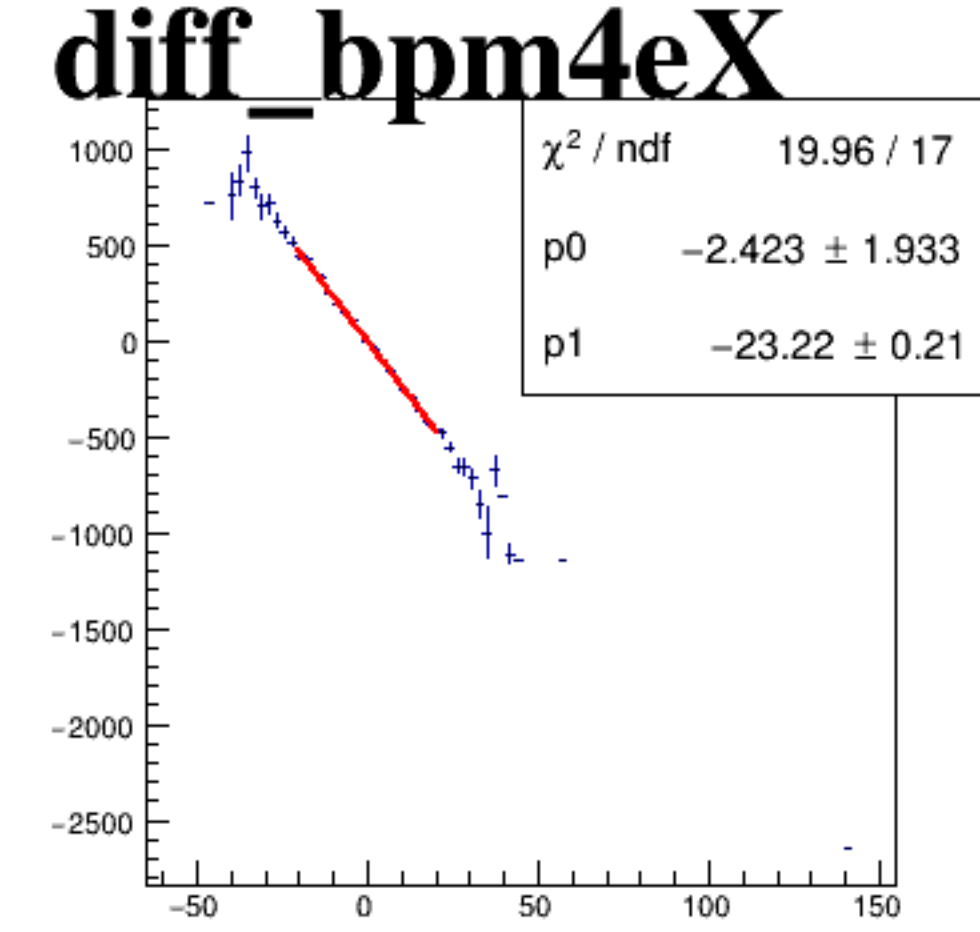
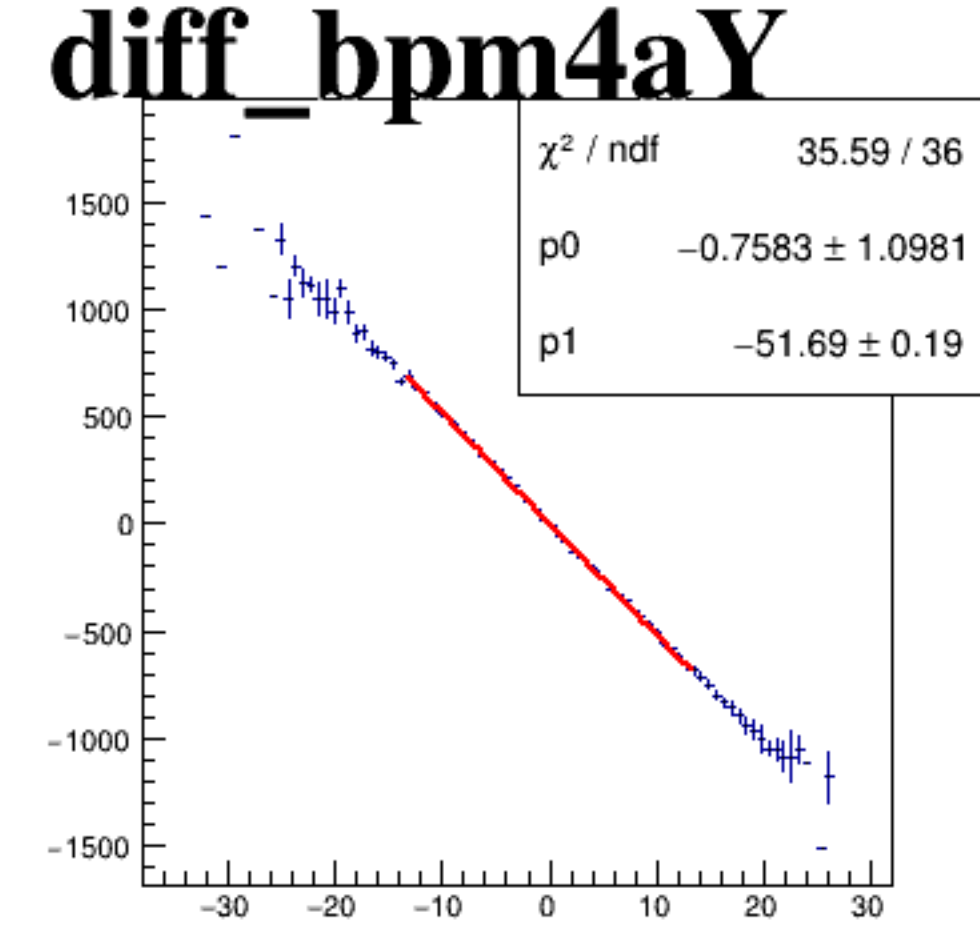
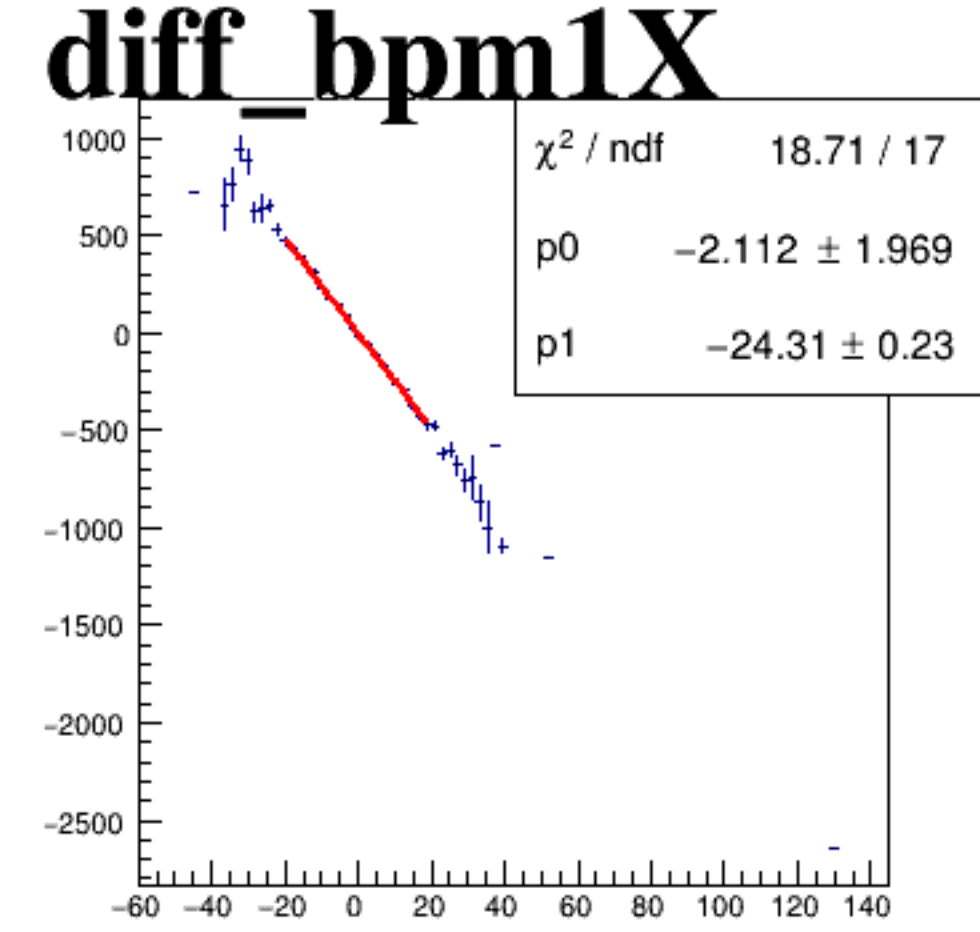
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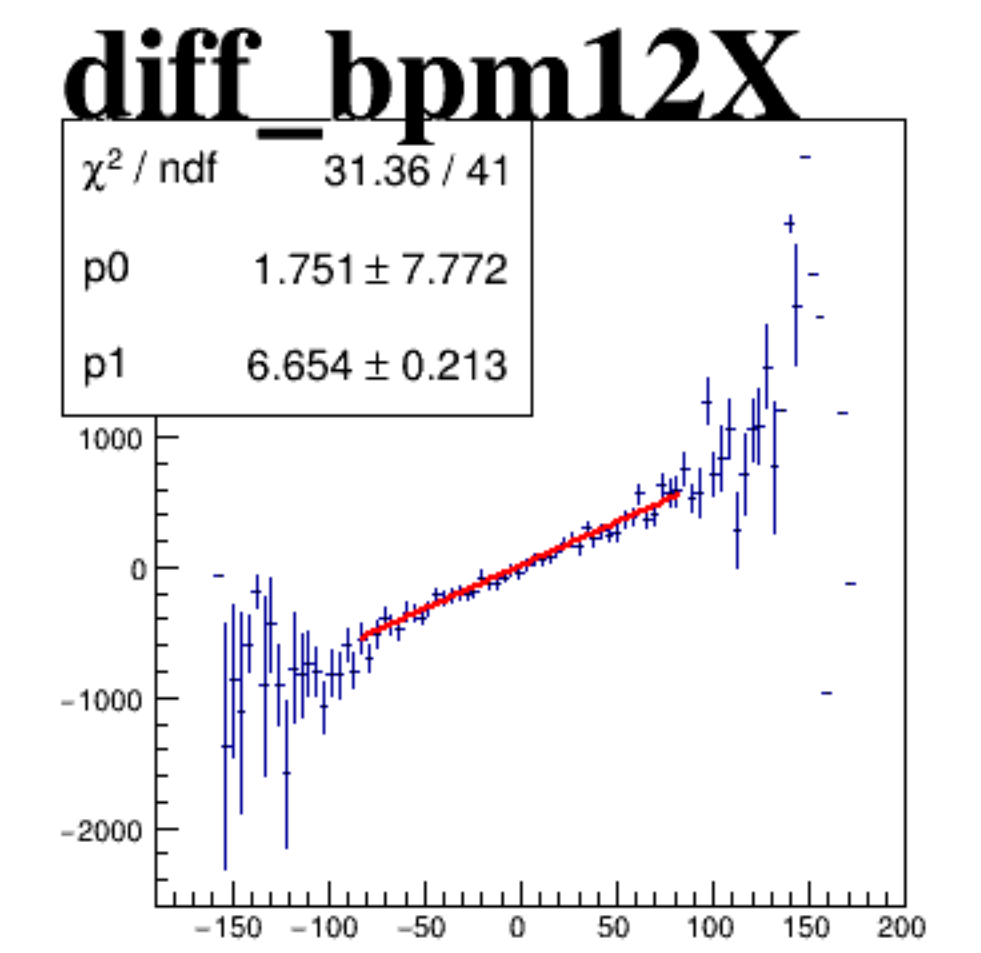
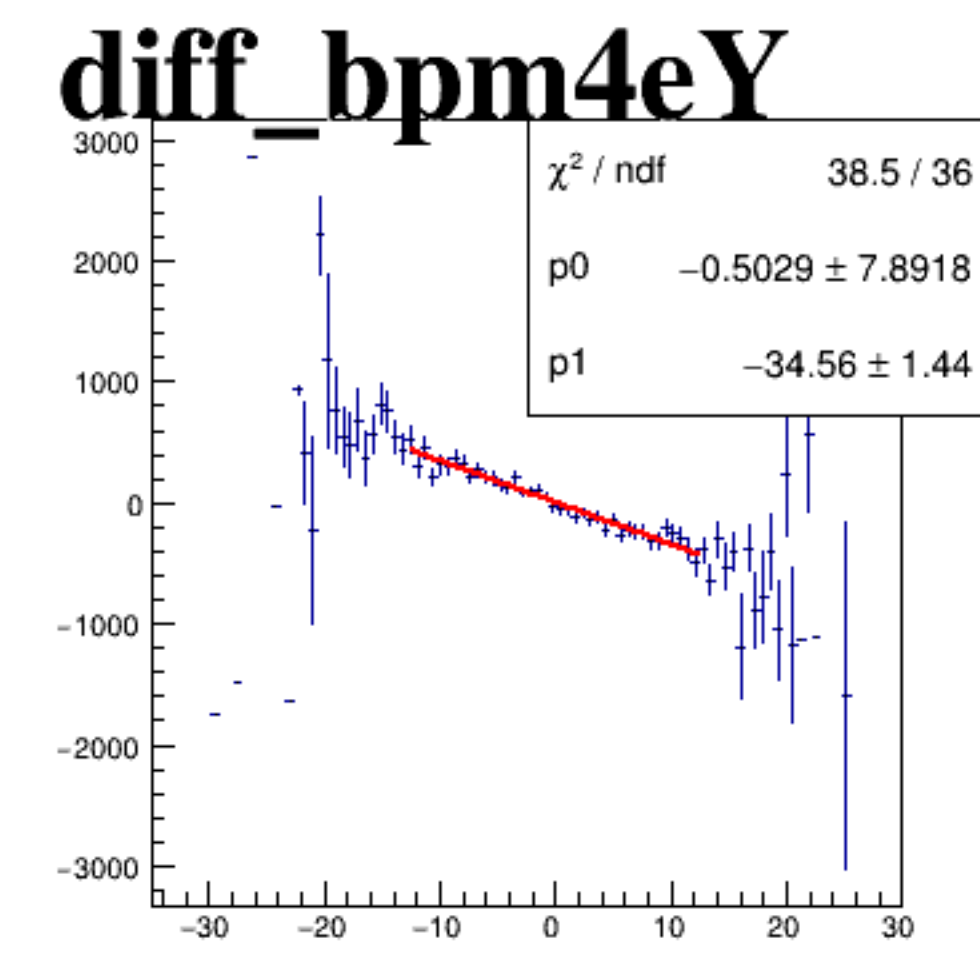
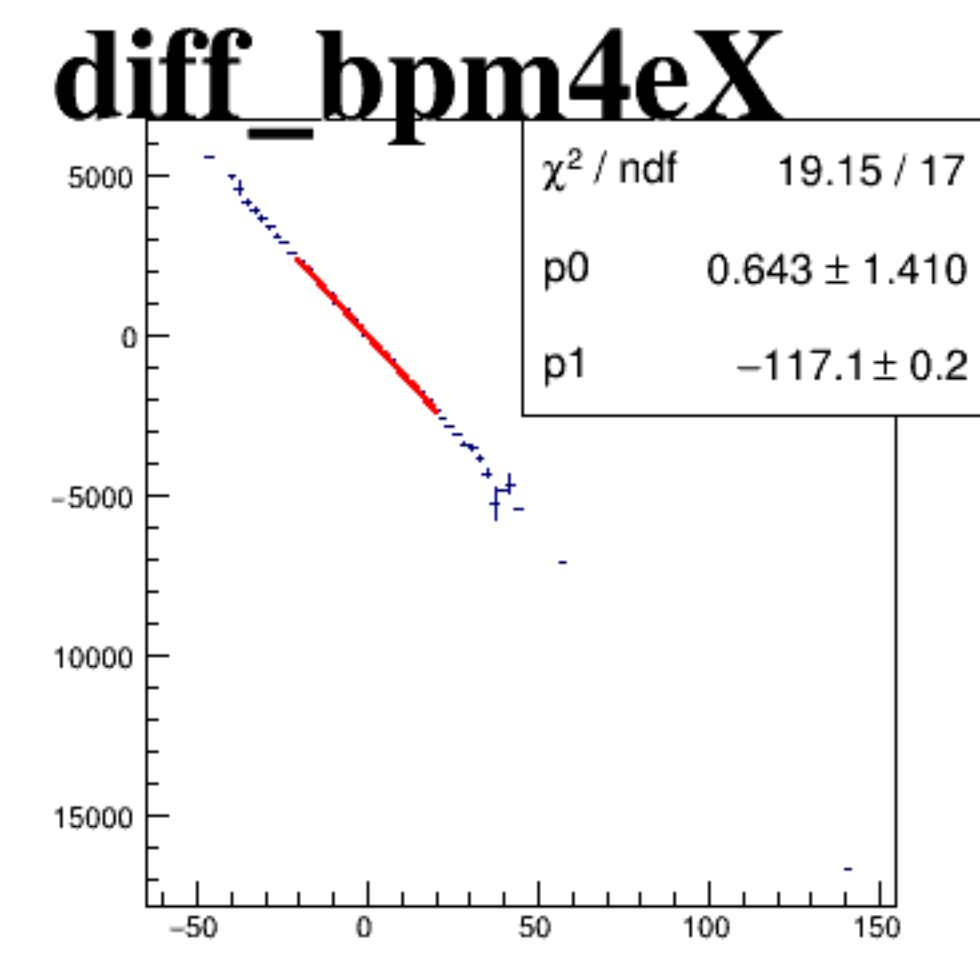
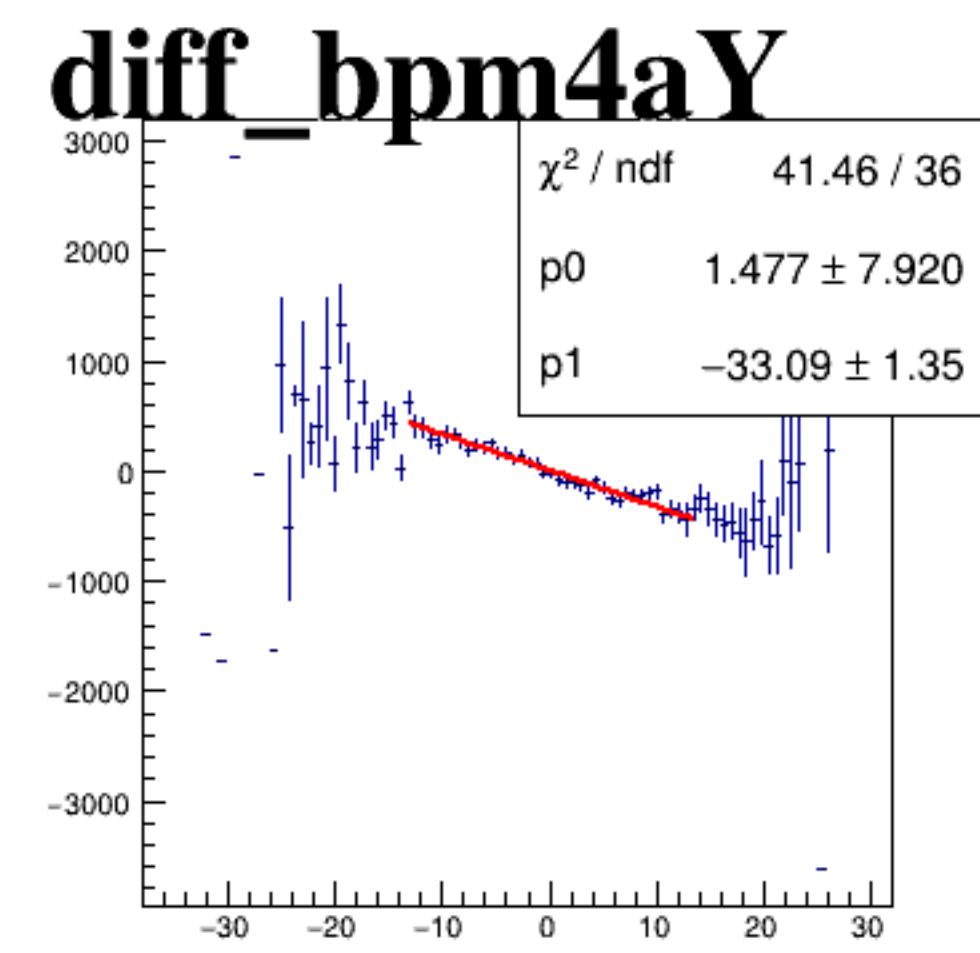
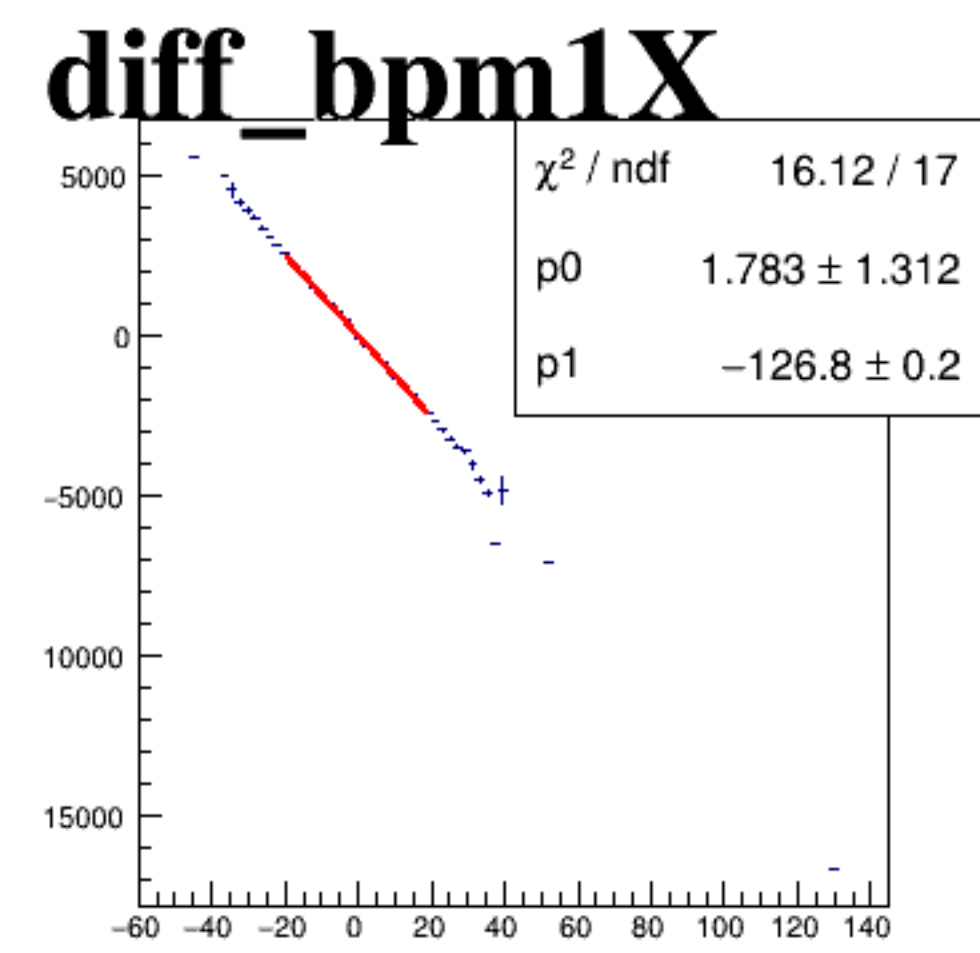
reg_asym_sam7



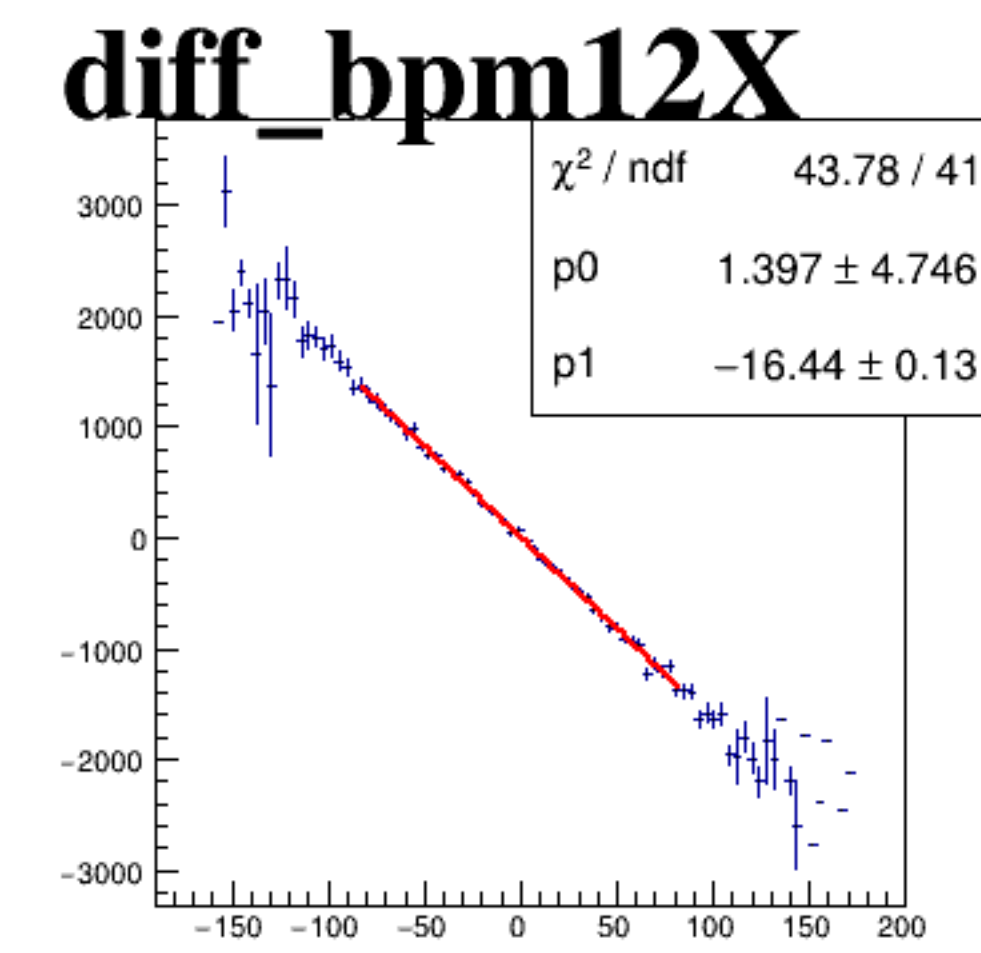
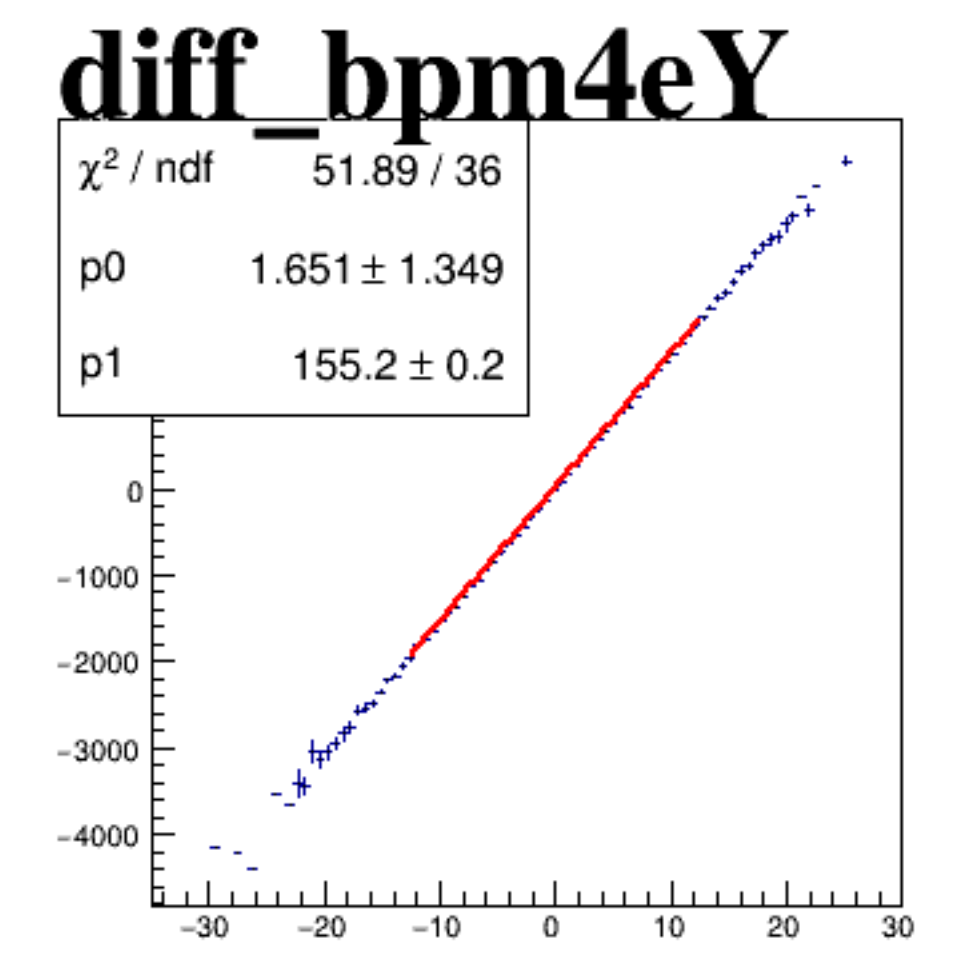
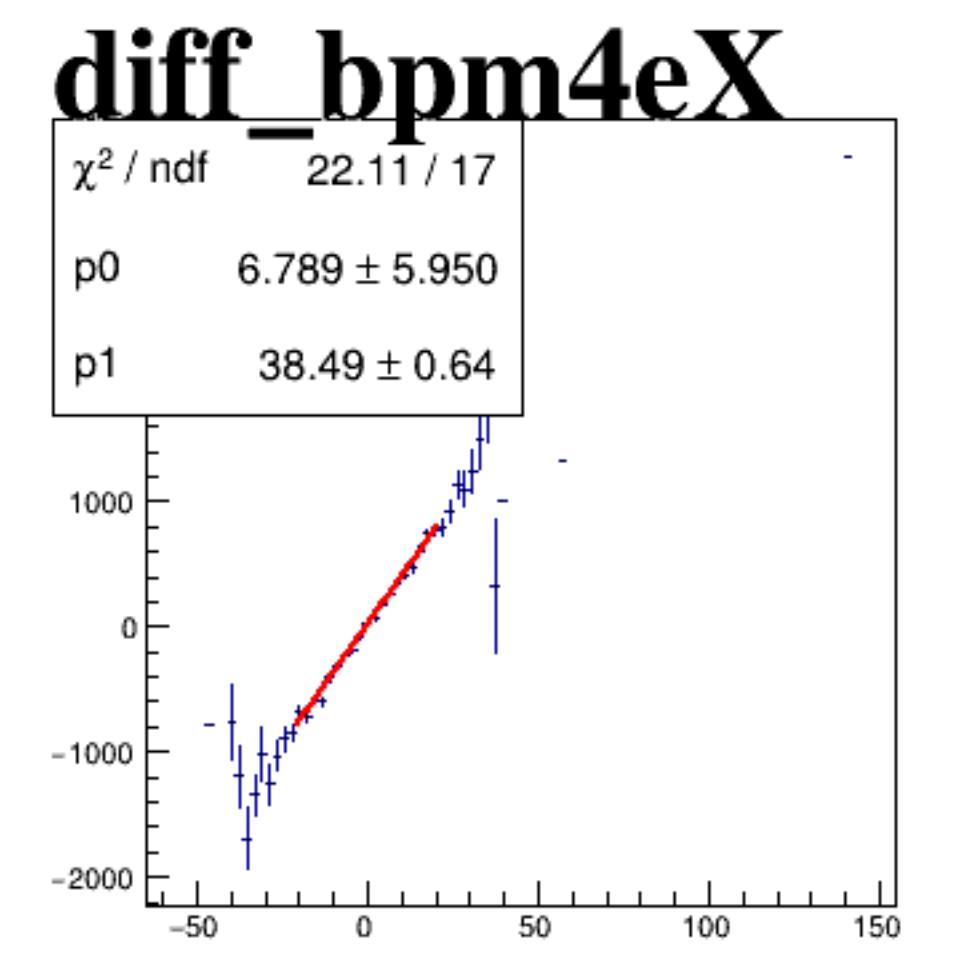
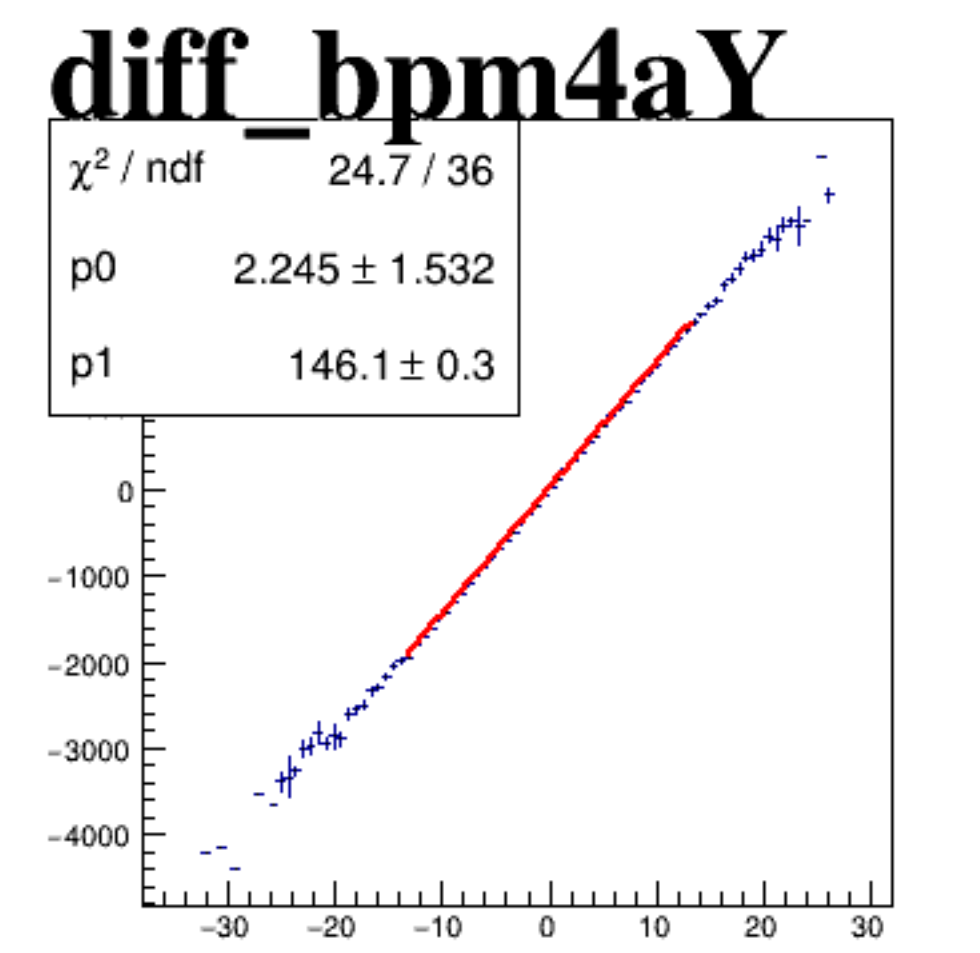
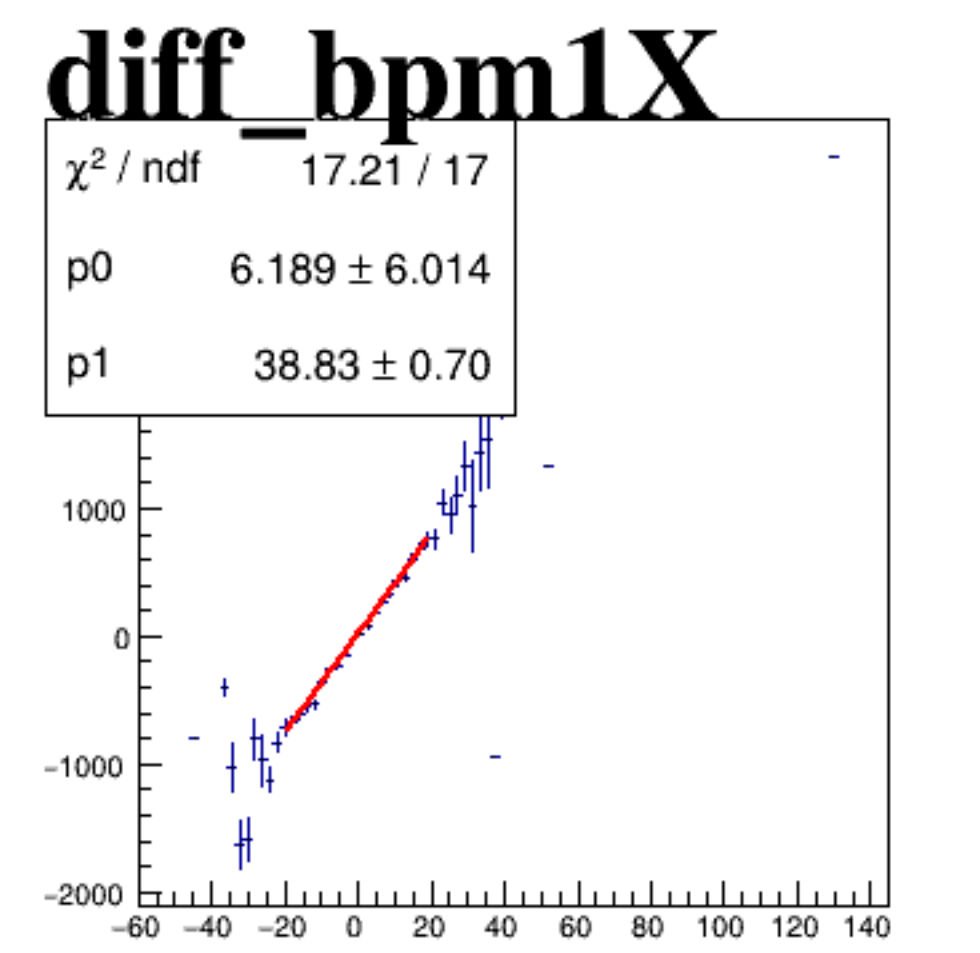
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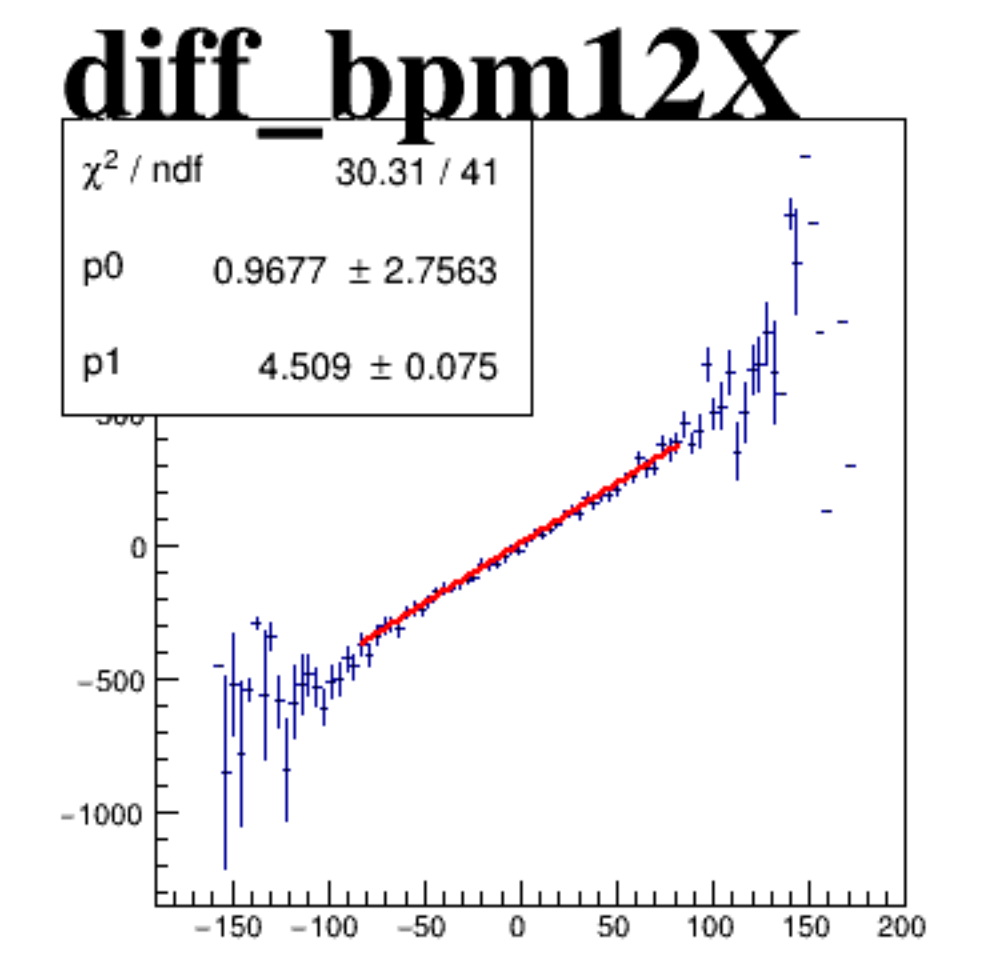
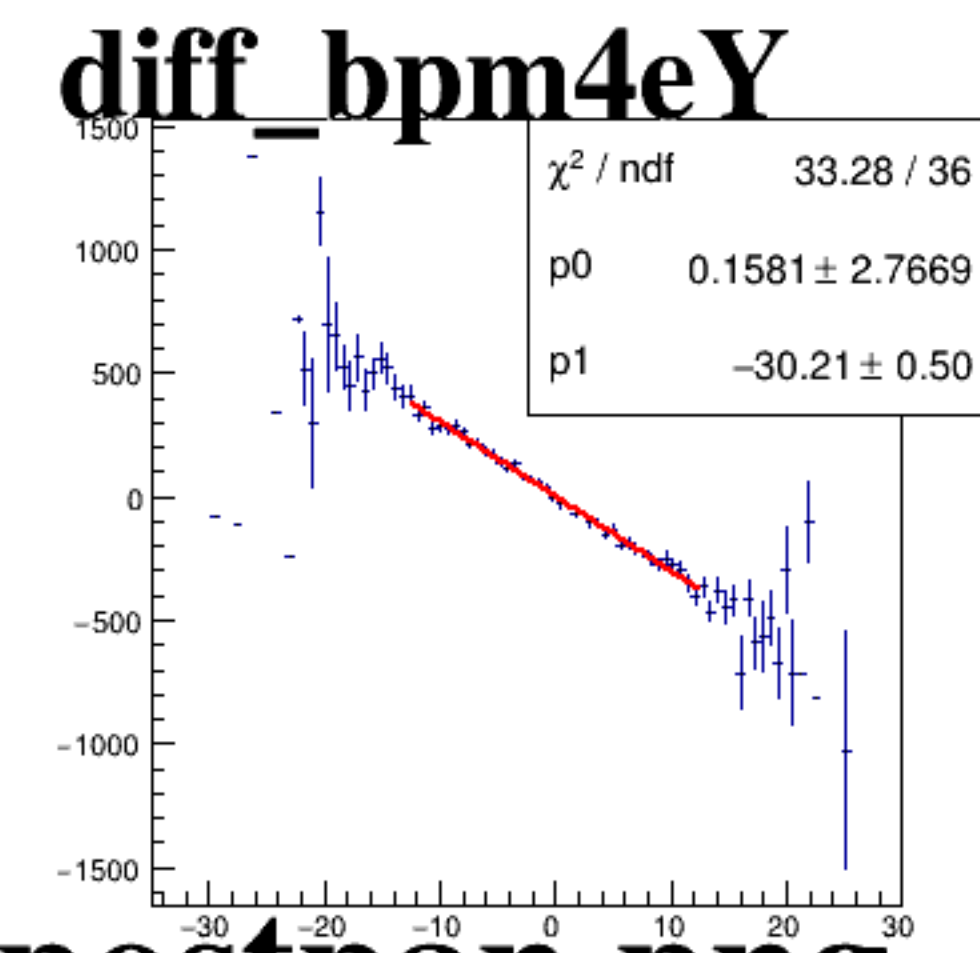
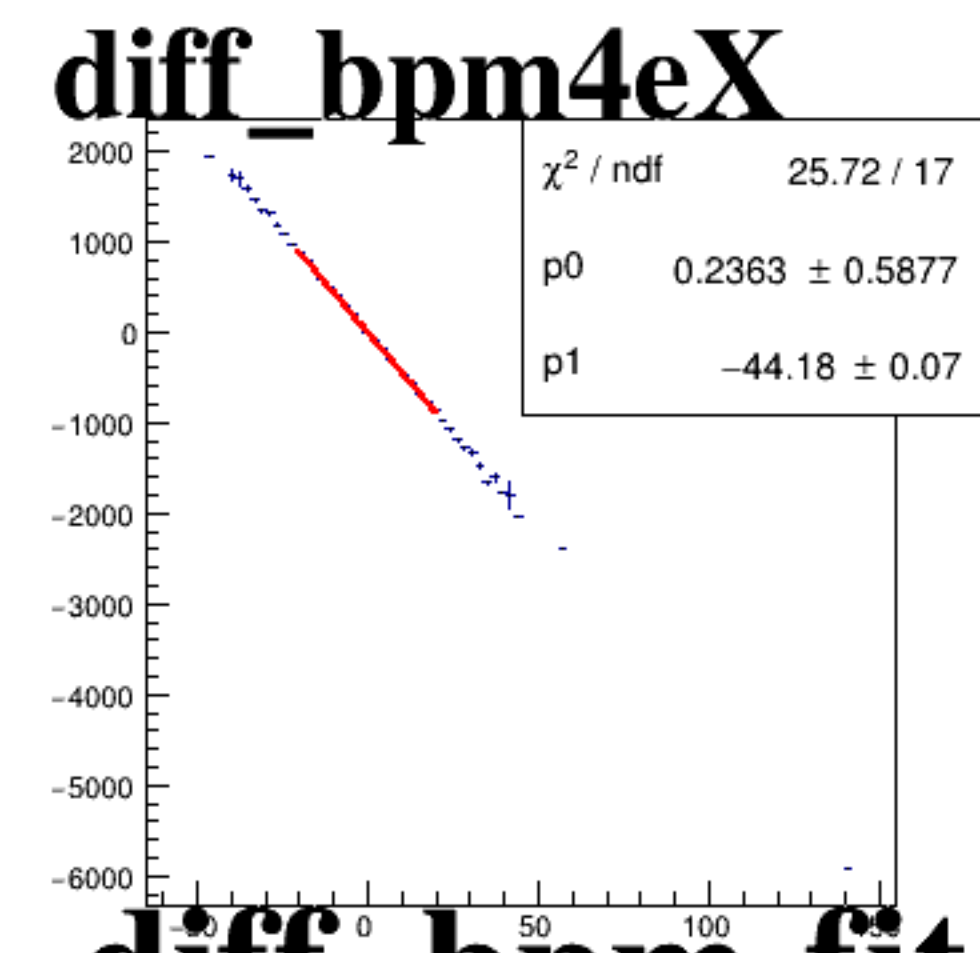
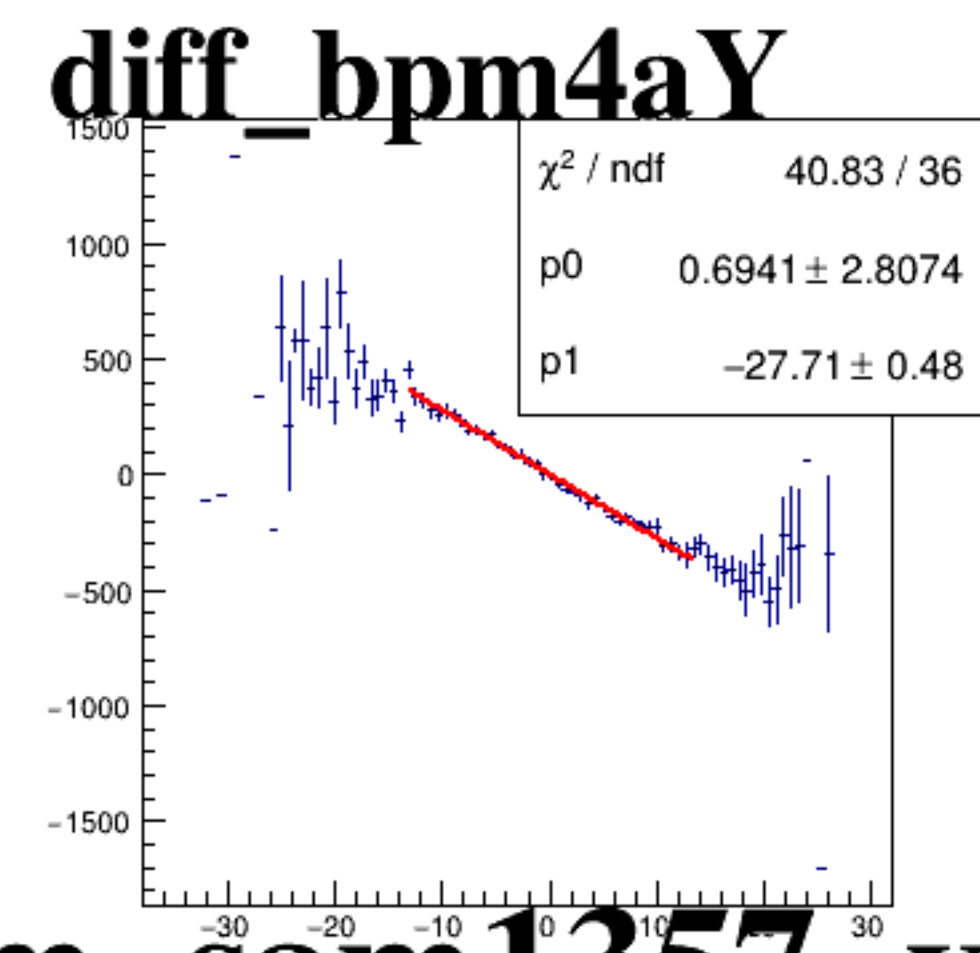
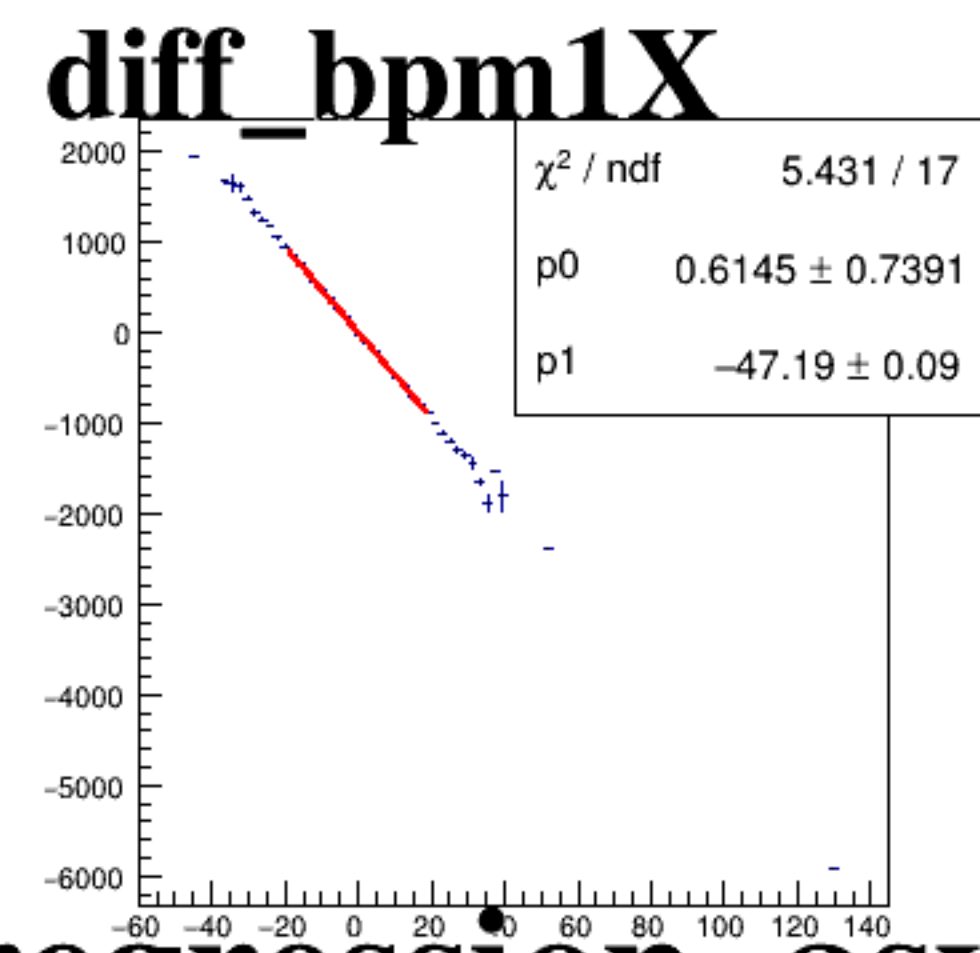
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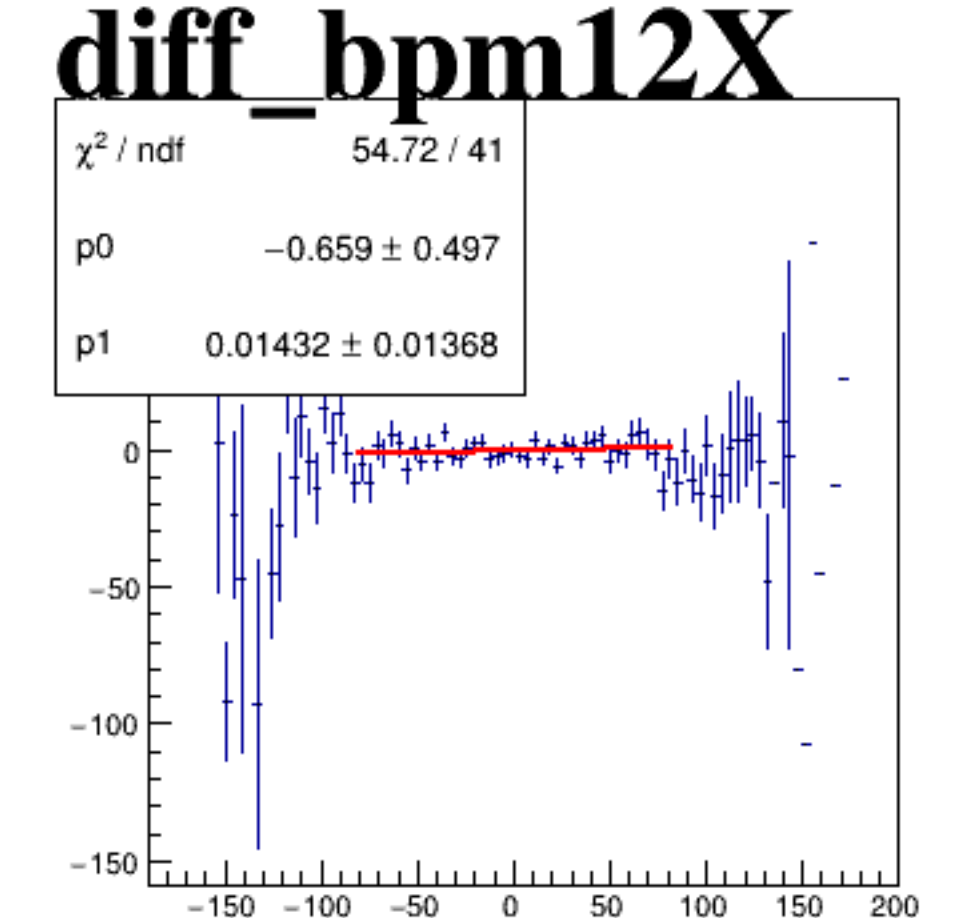
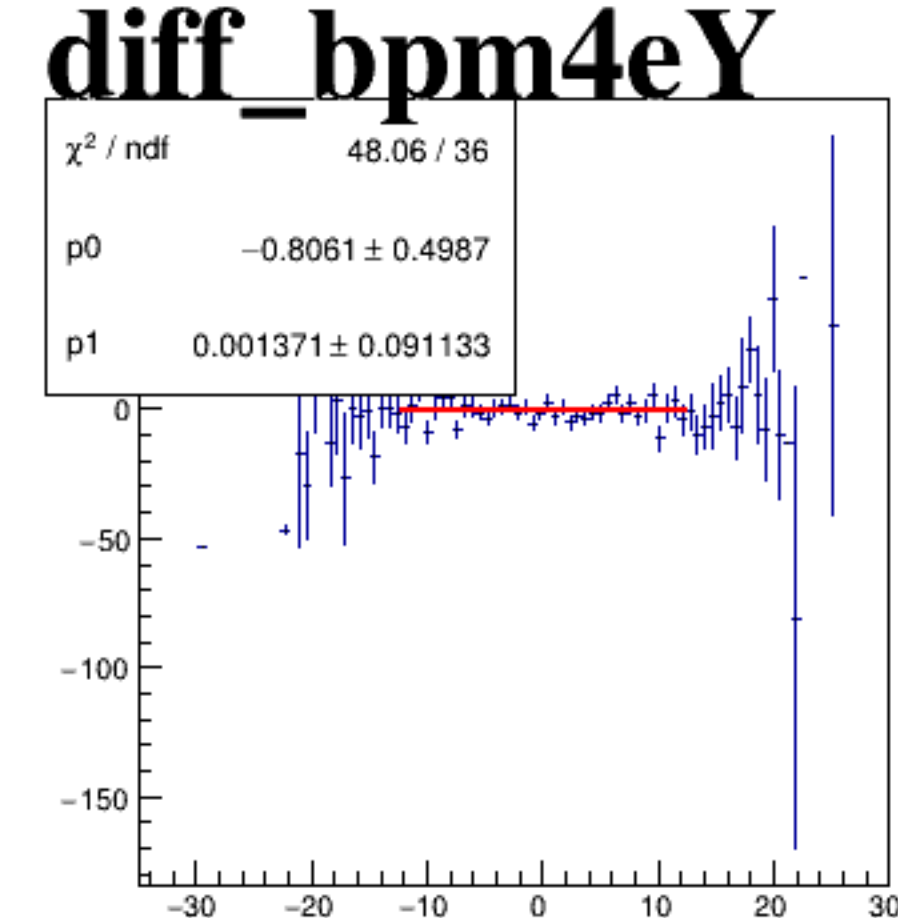
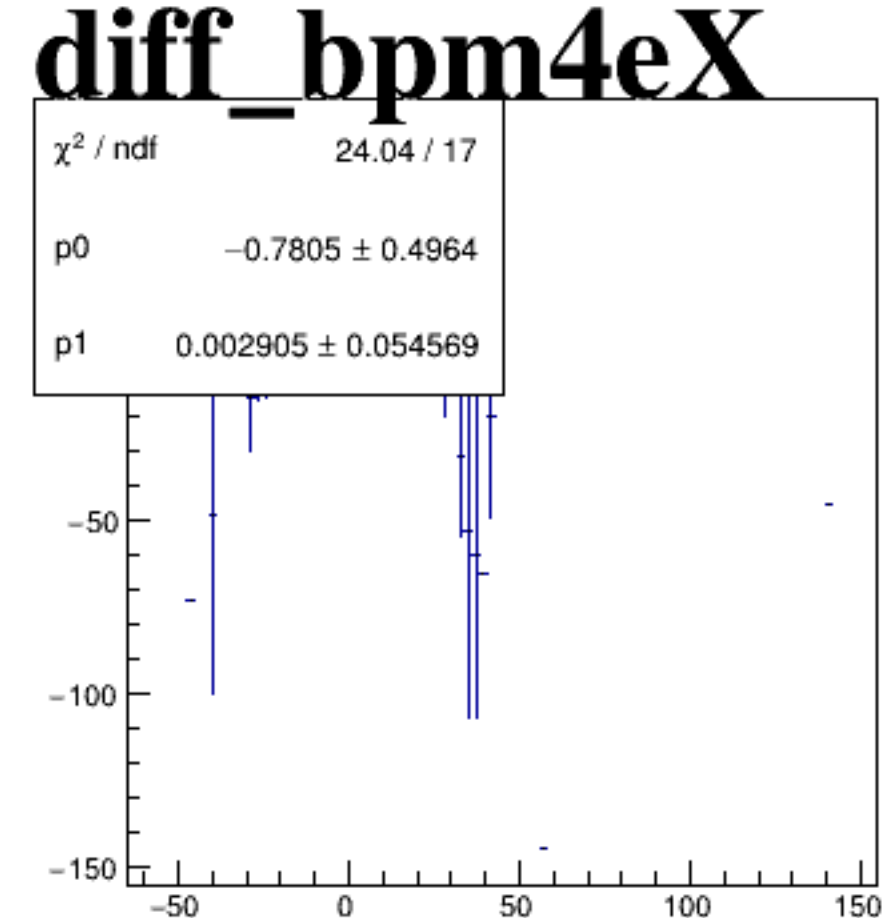
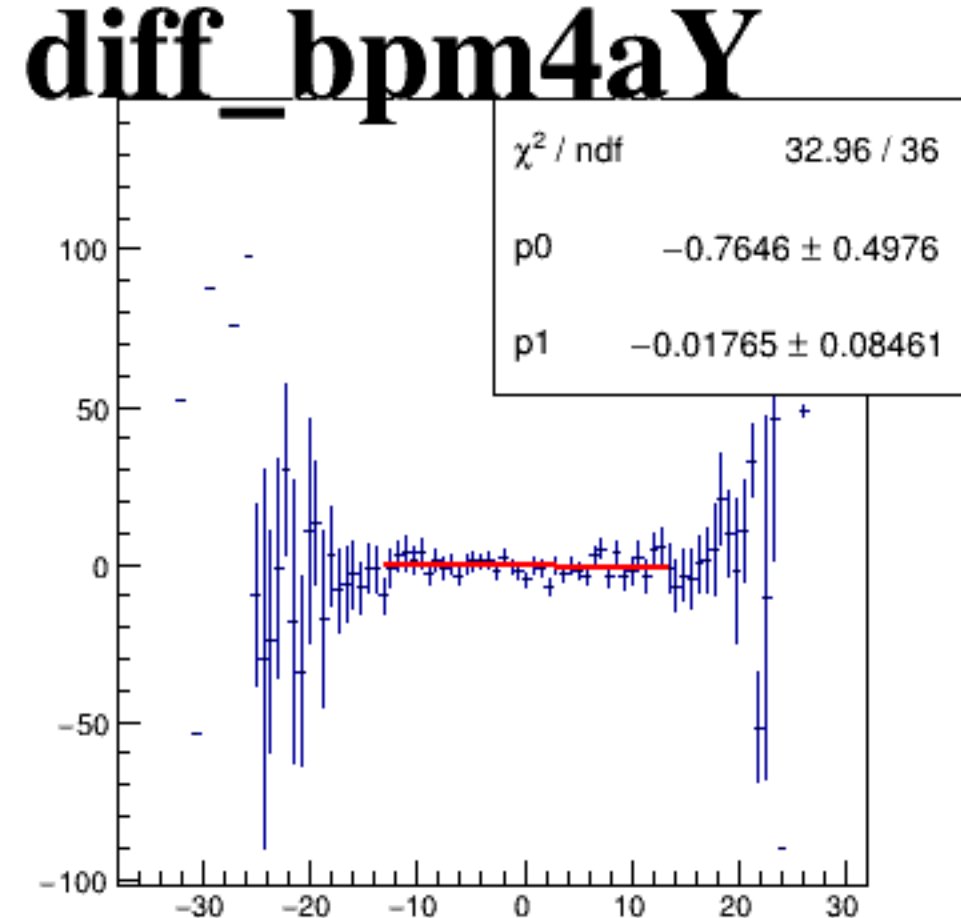
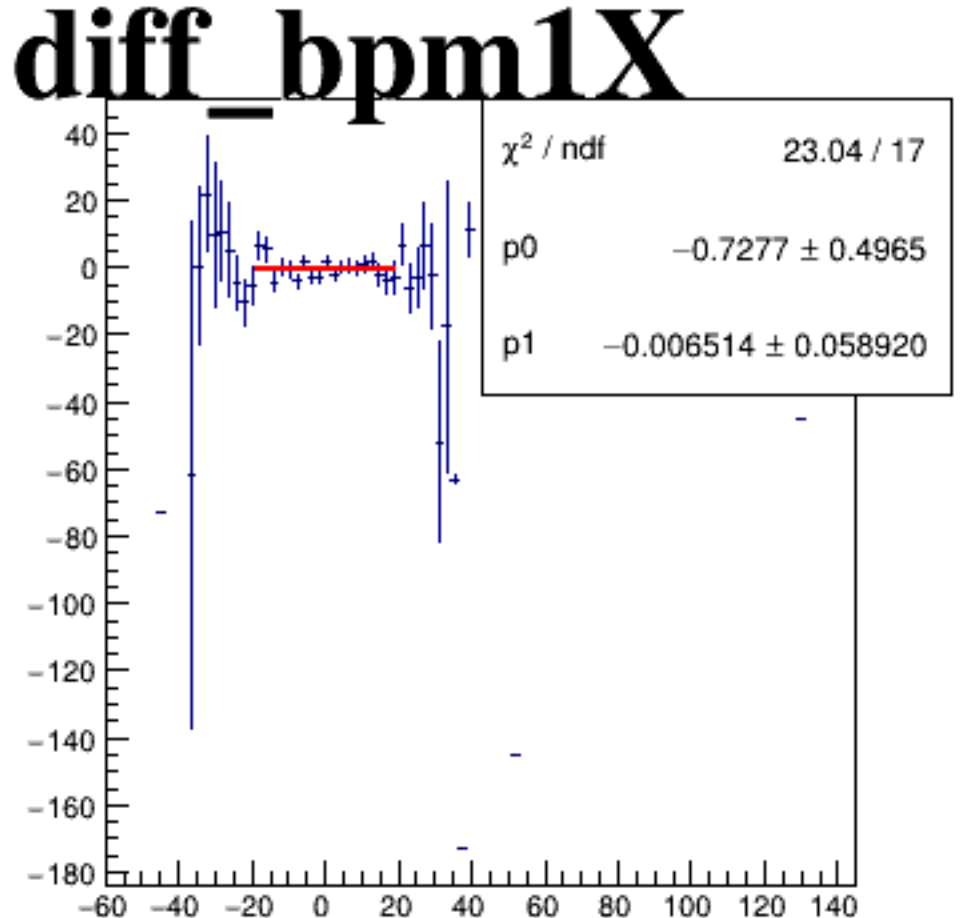
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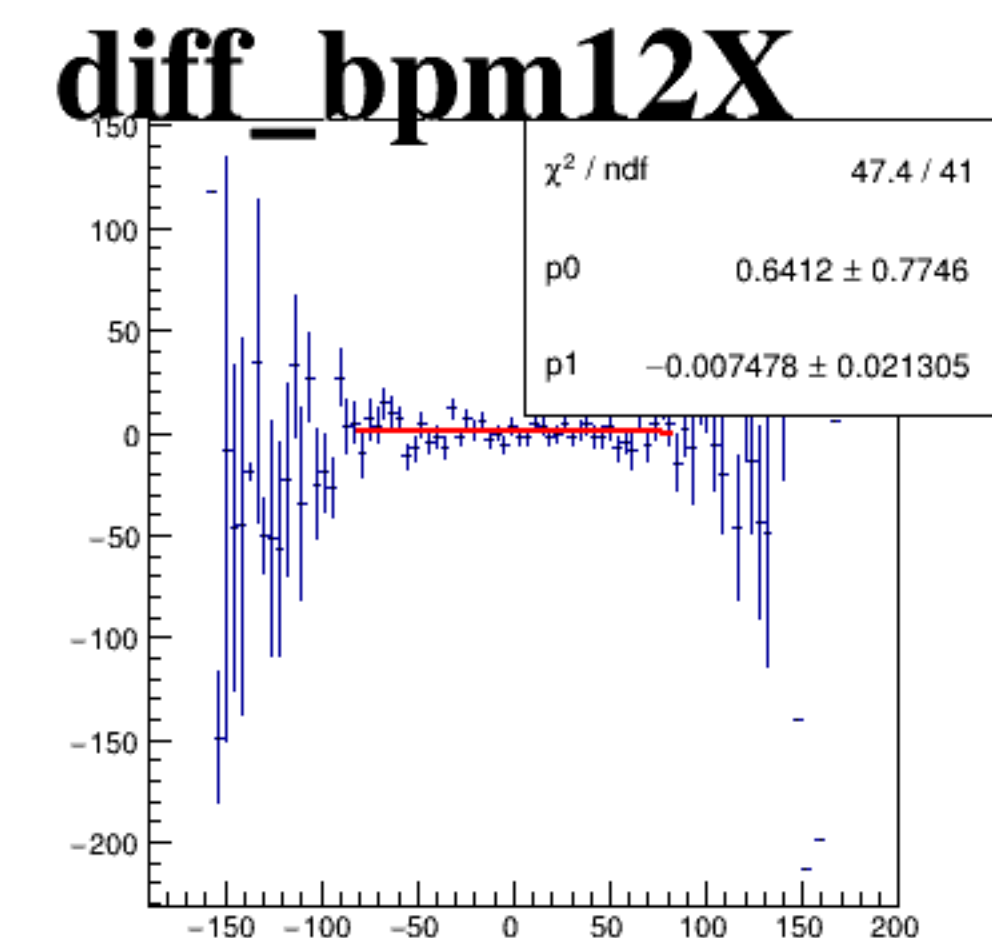
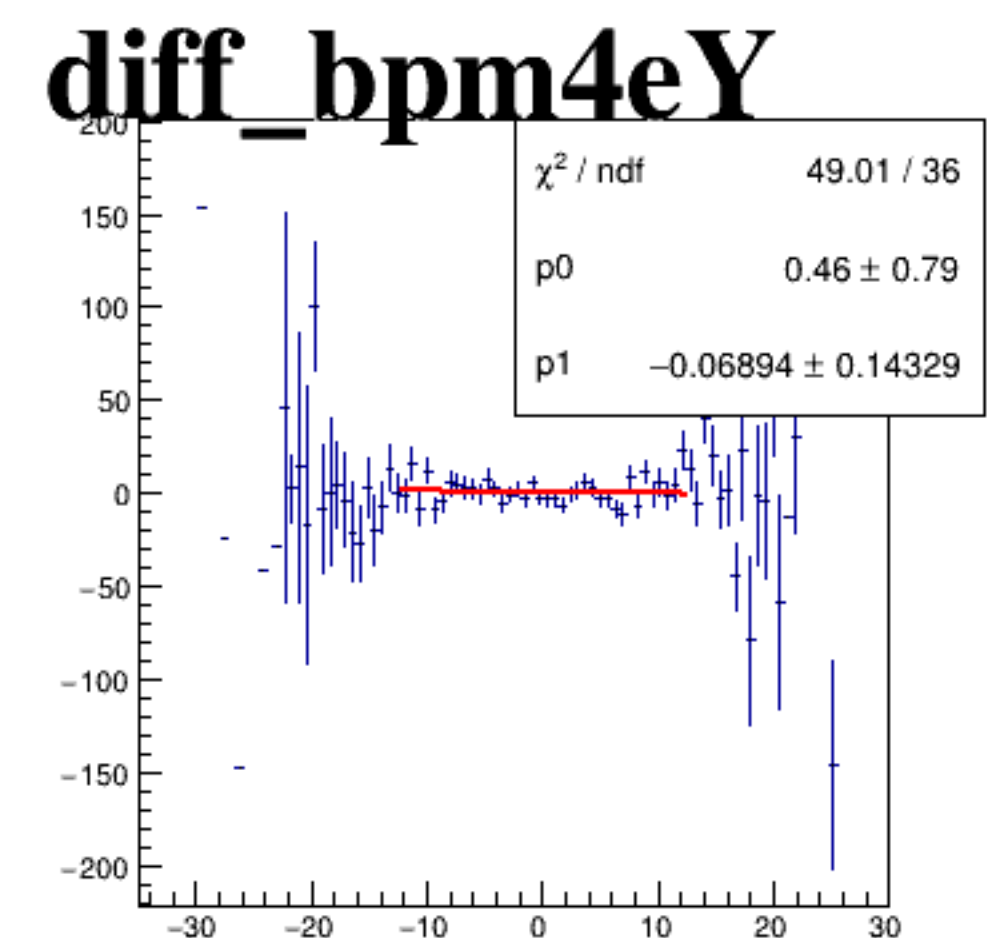
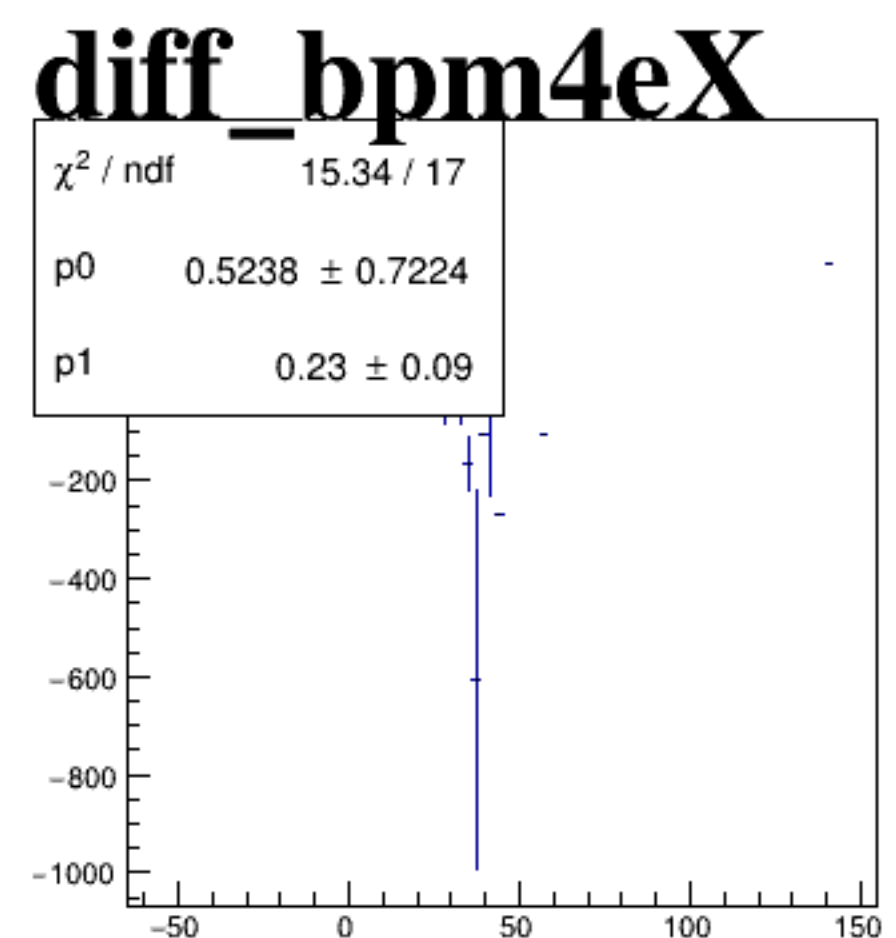
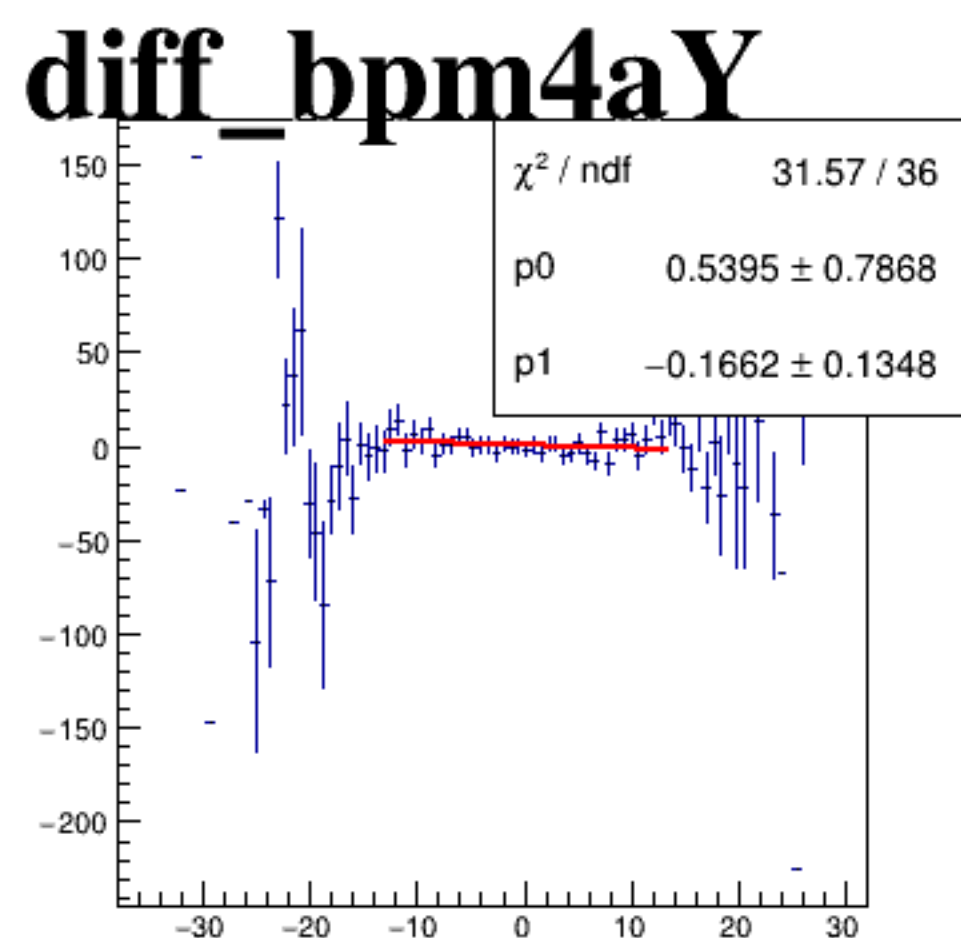
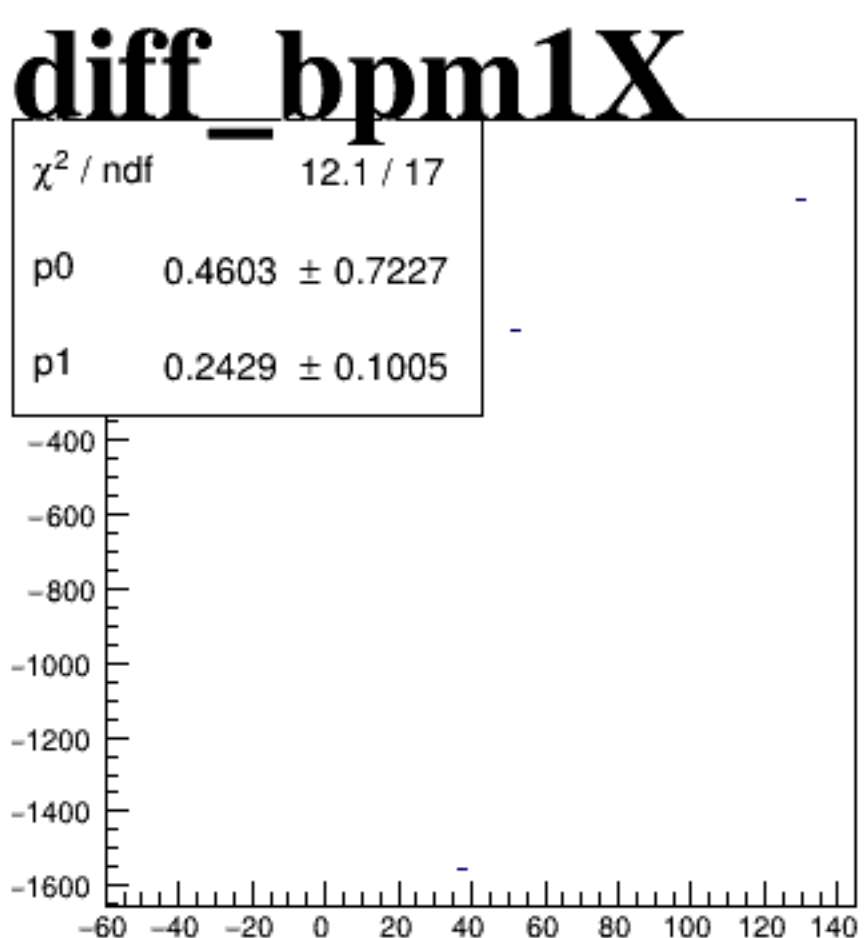
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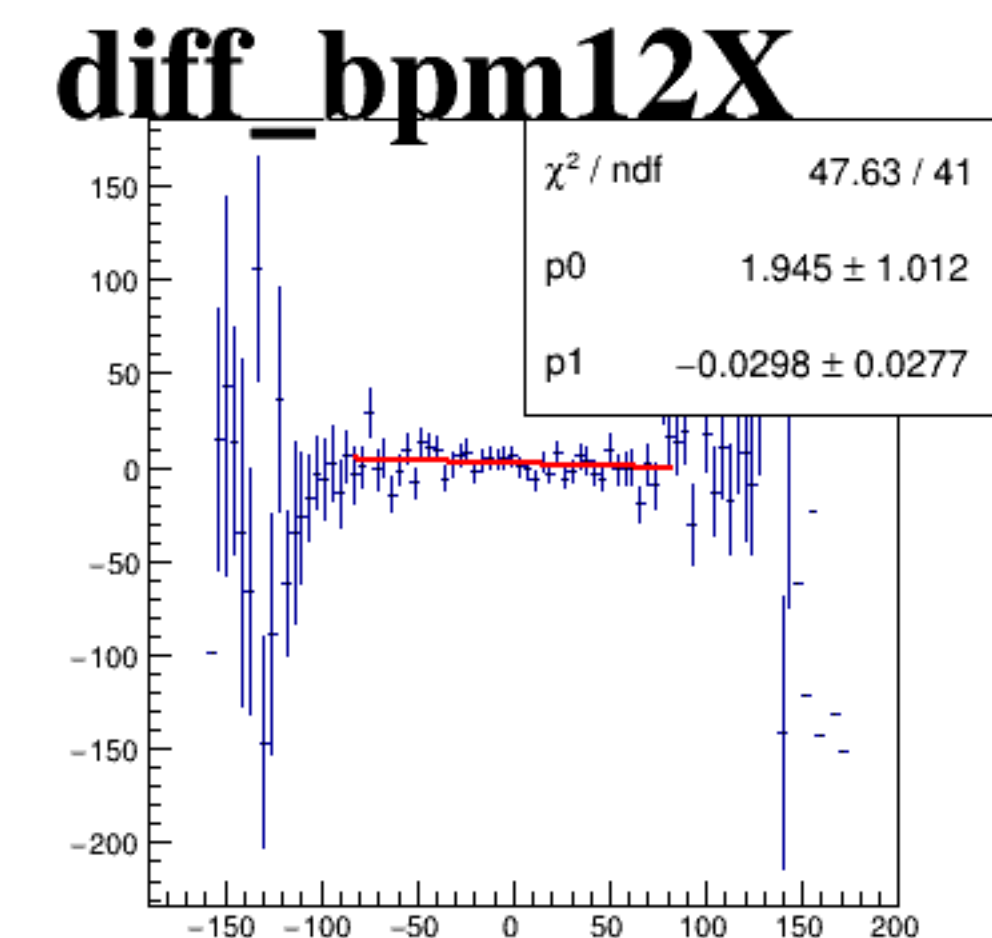
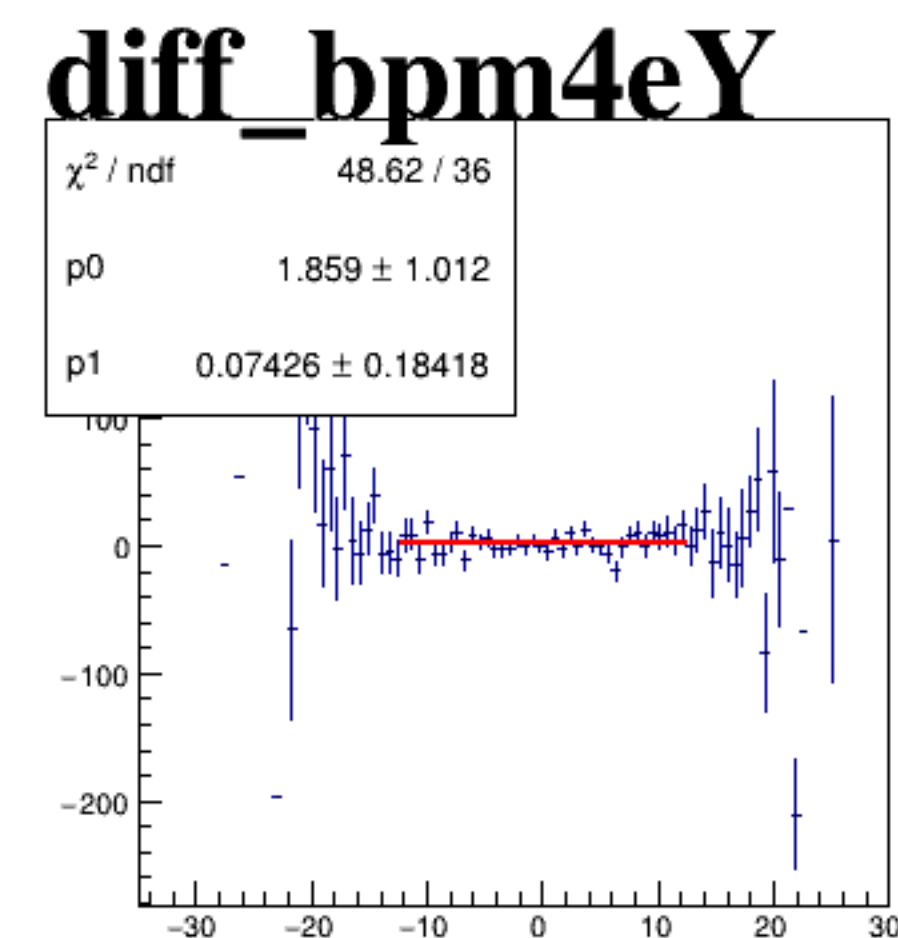
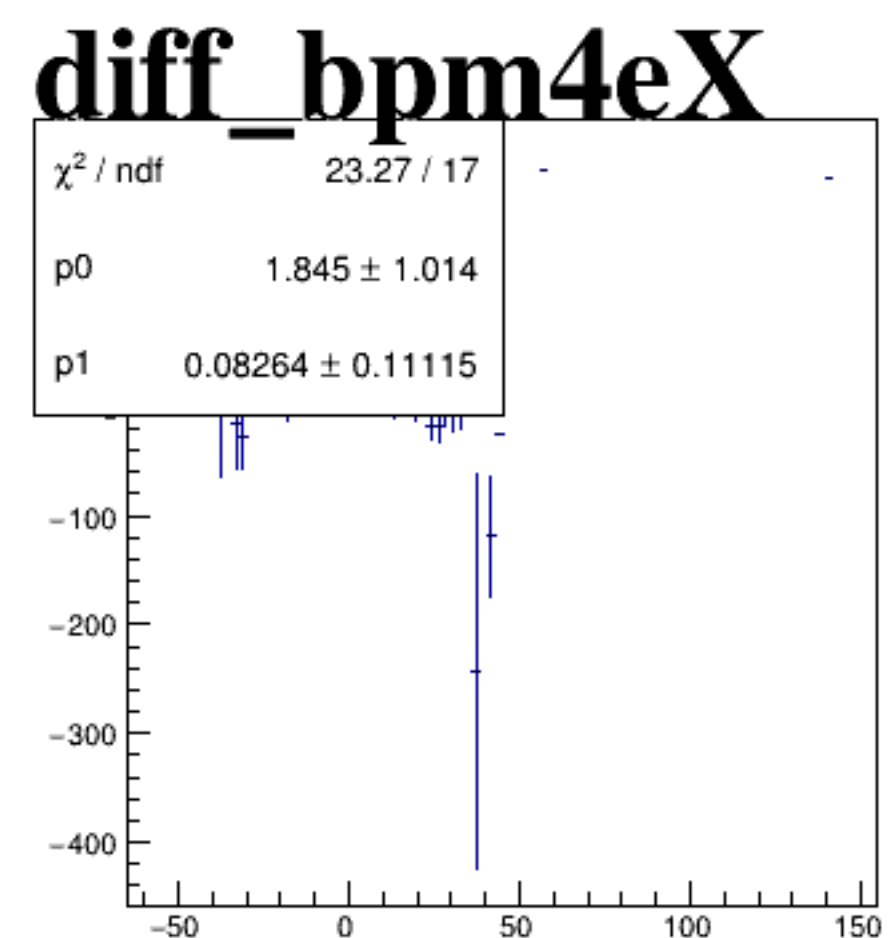
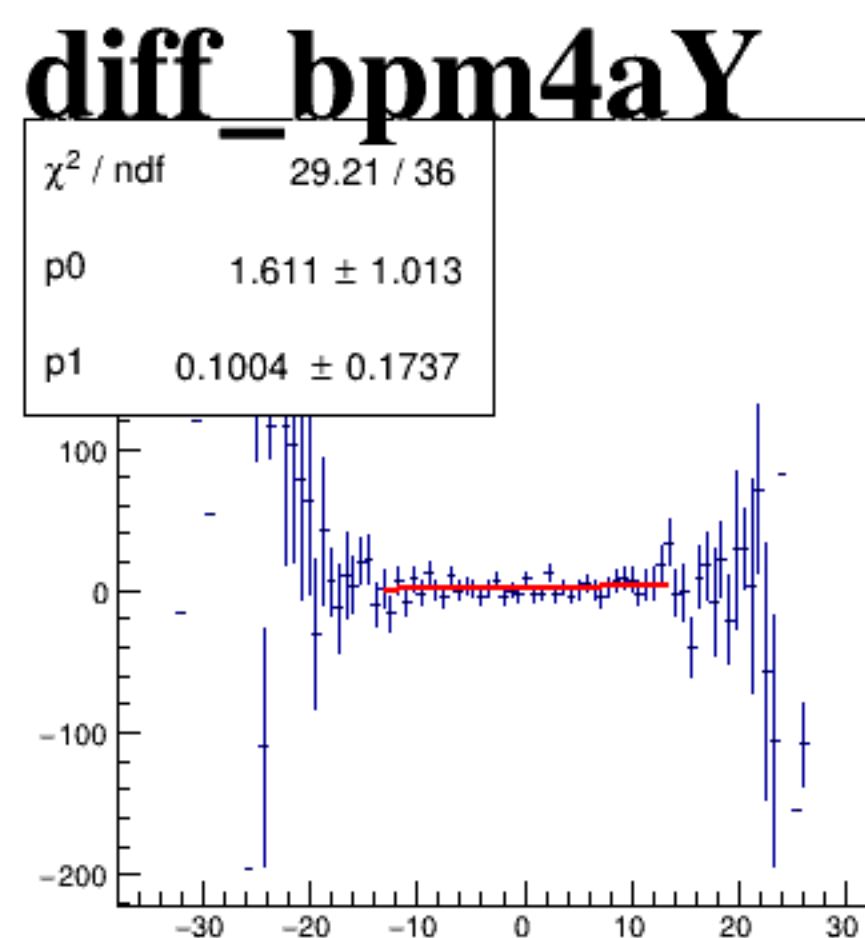
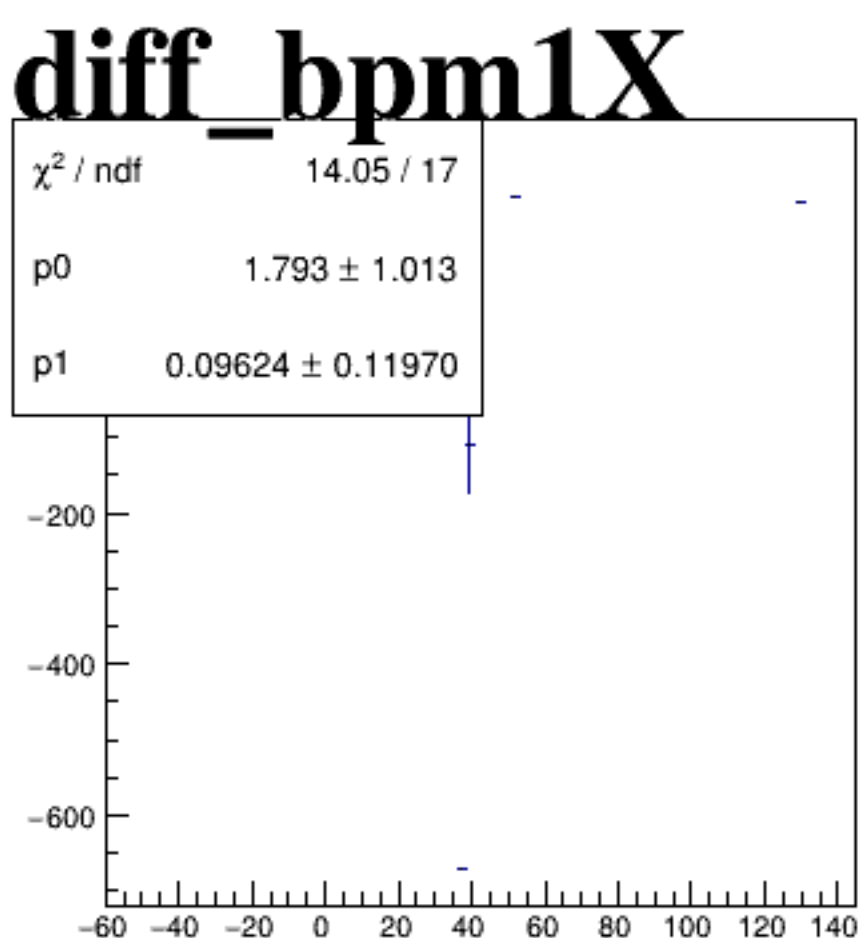
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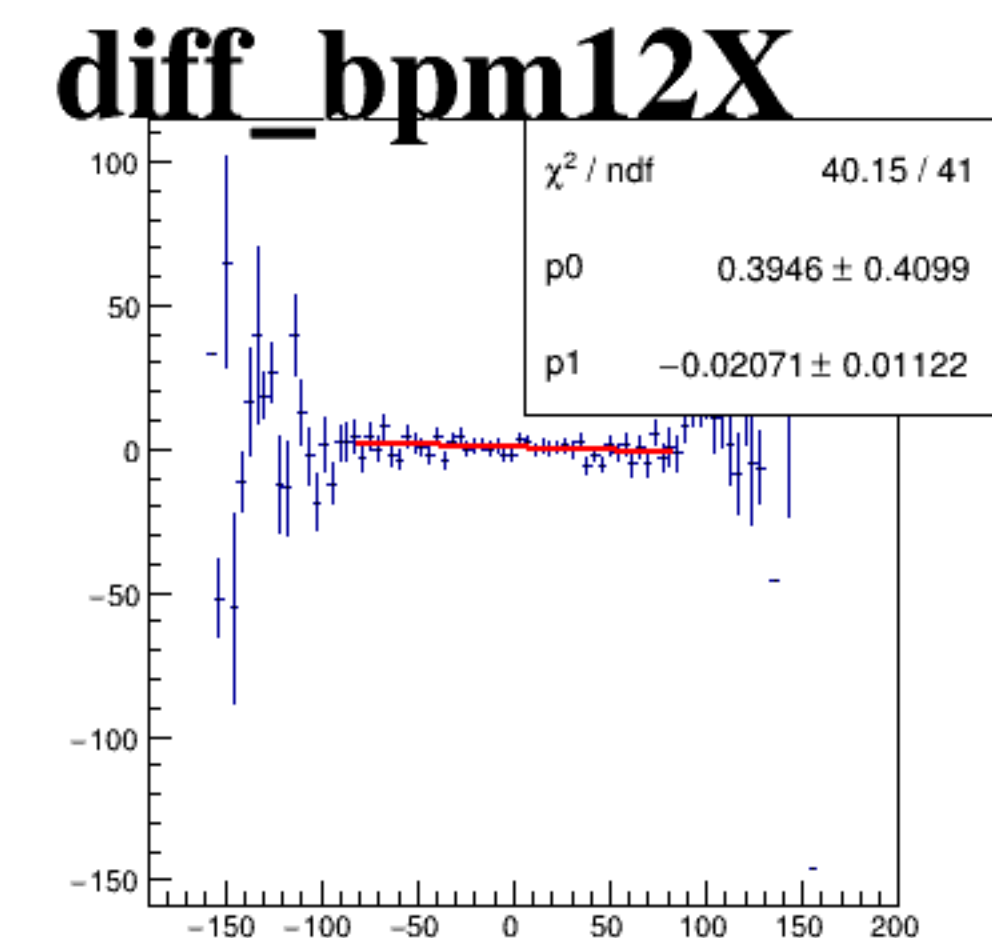
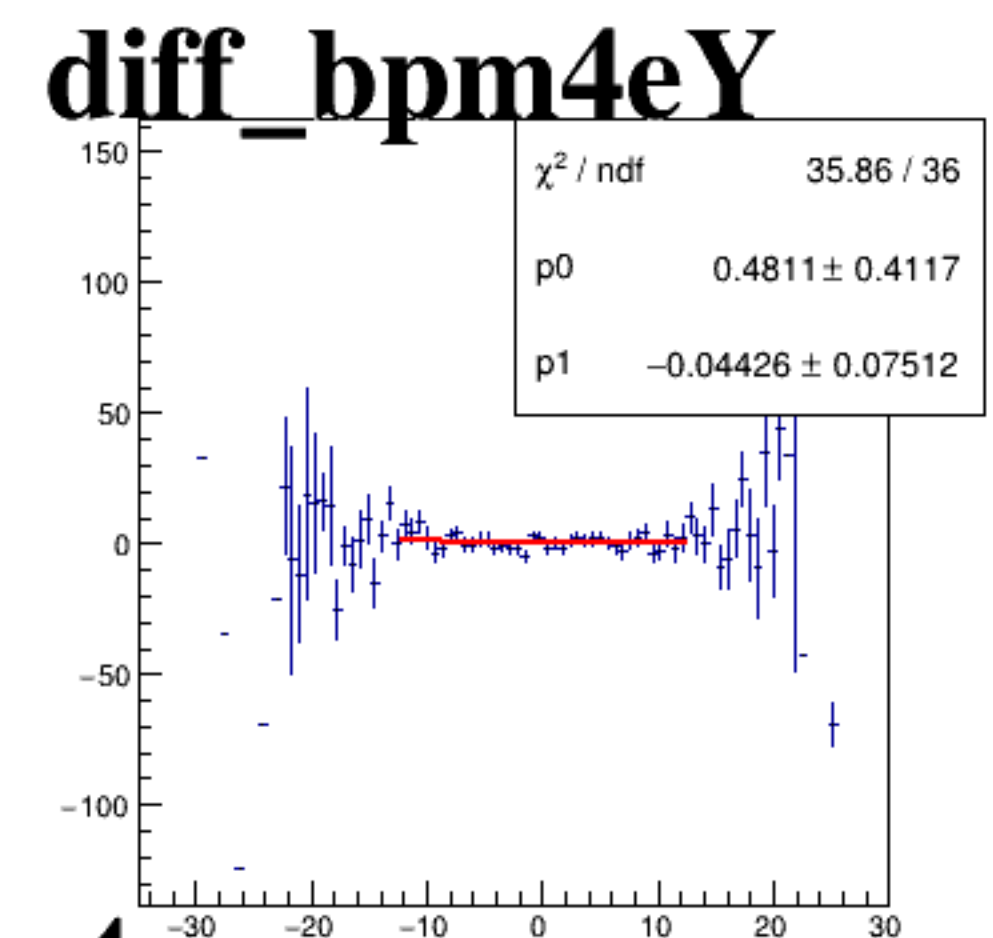
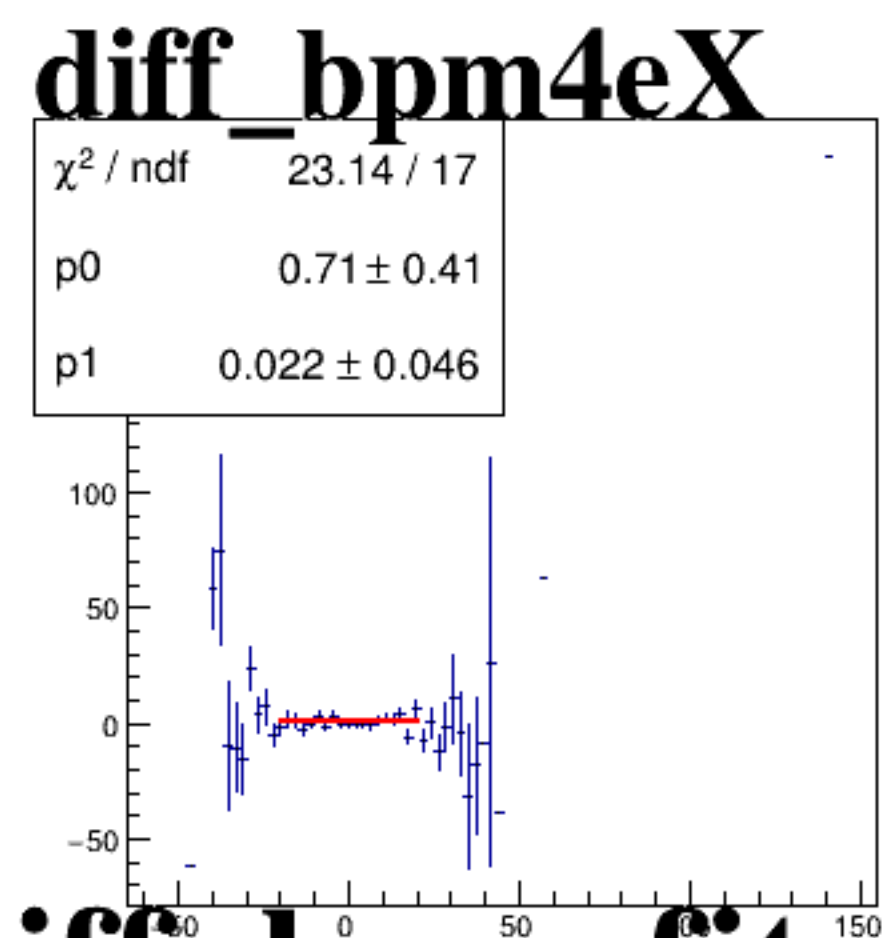
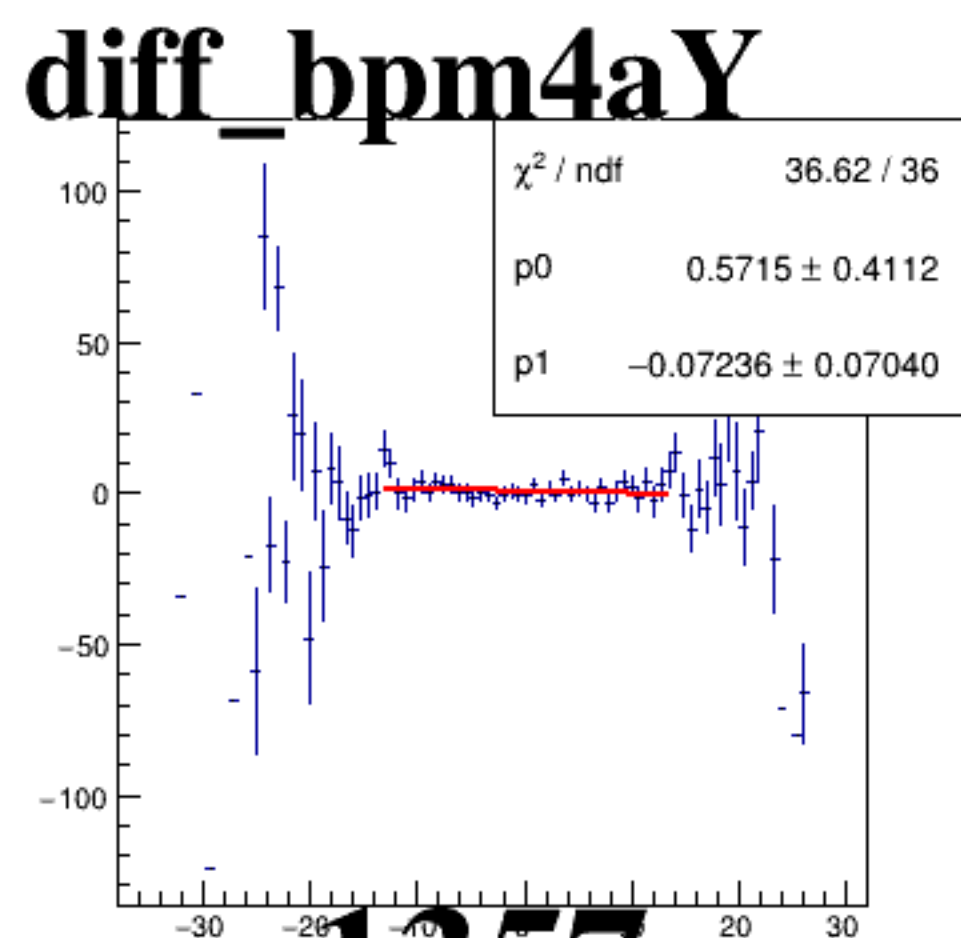
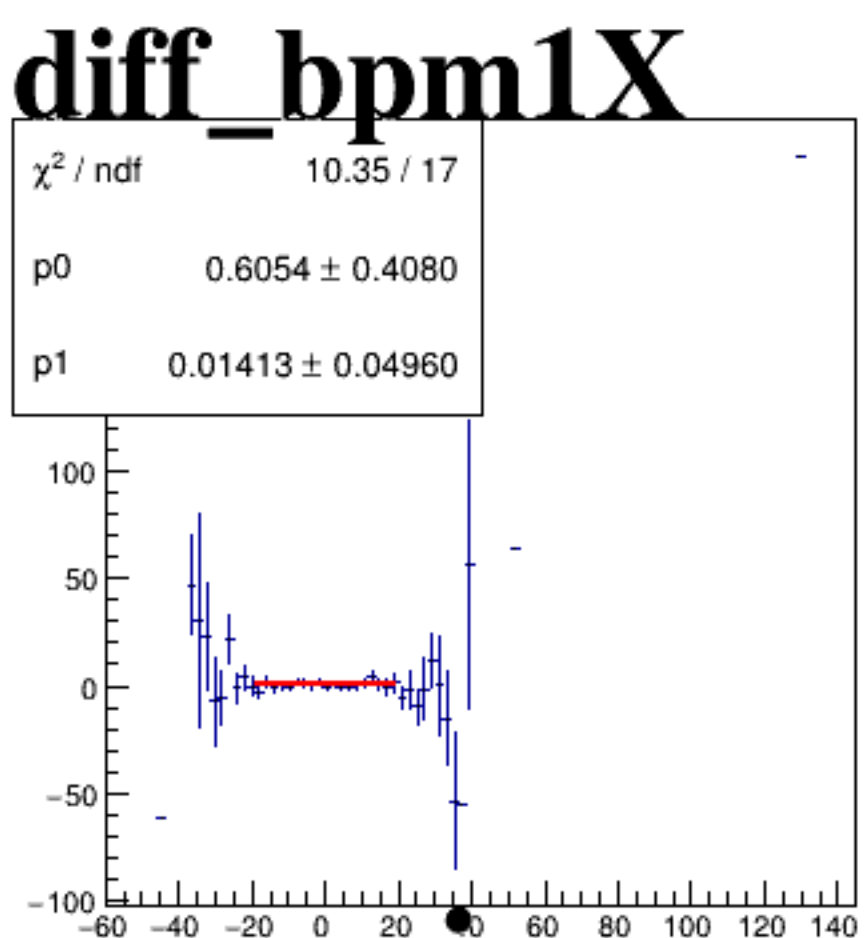
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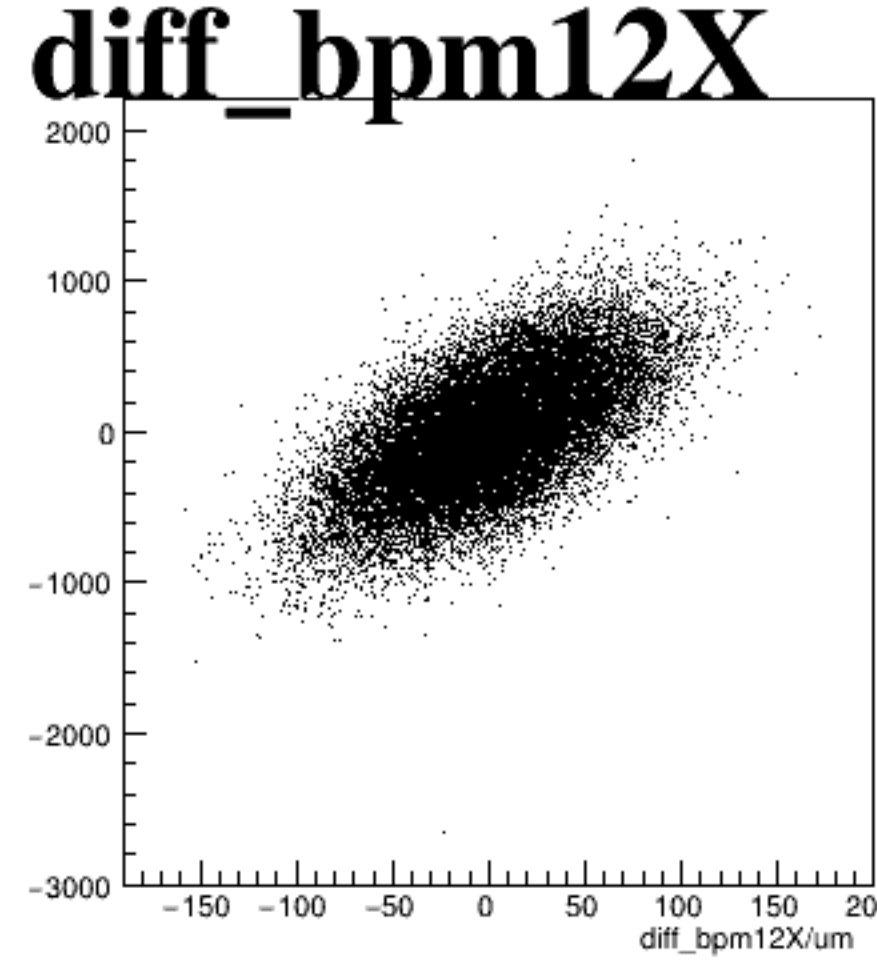
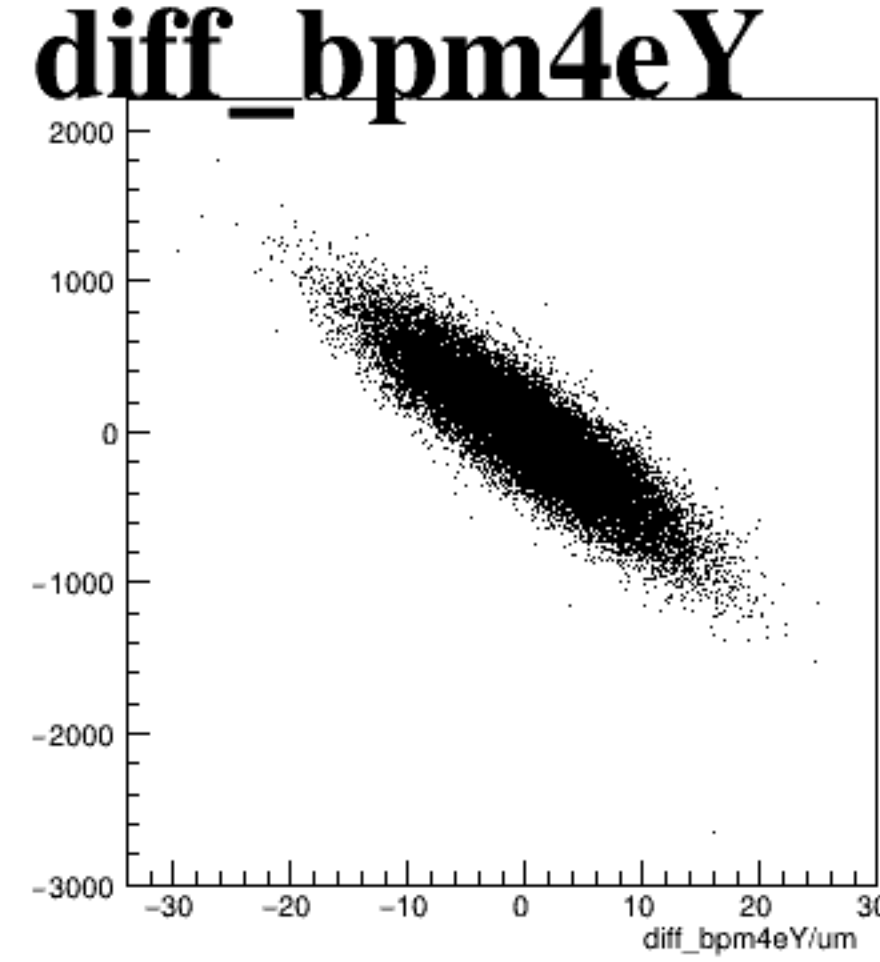
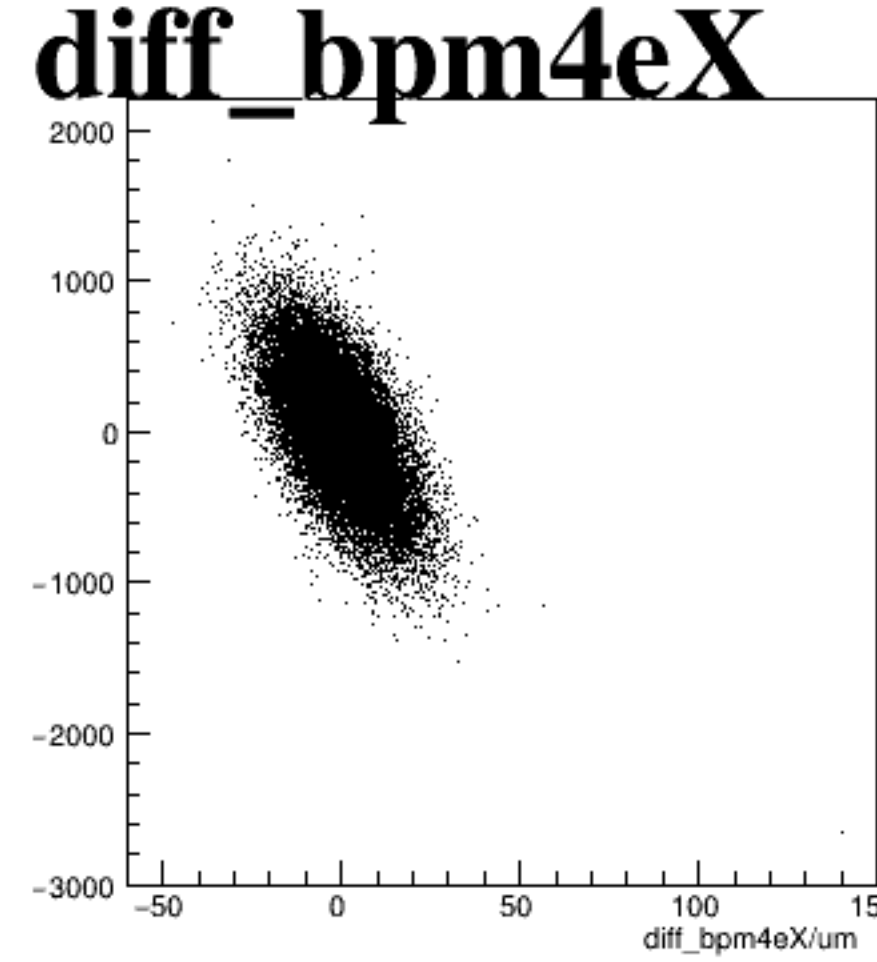
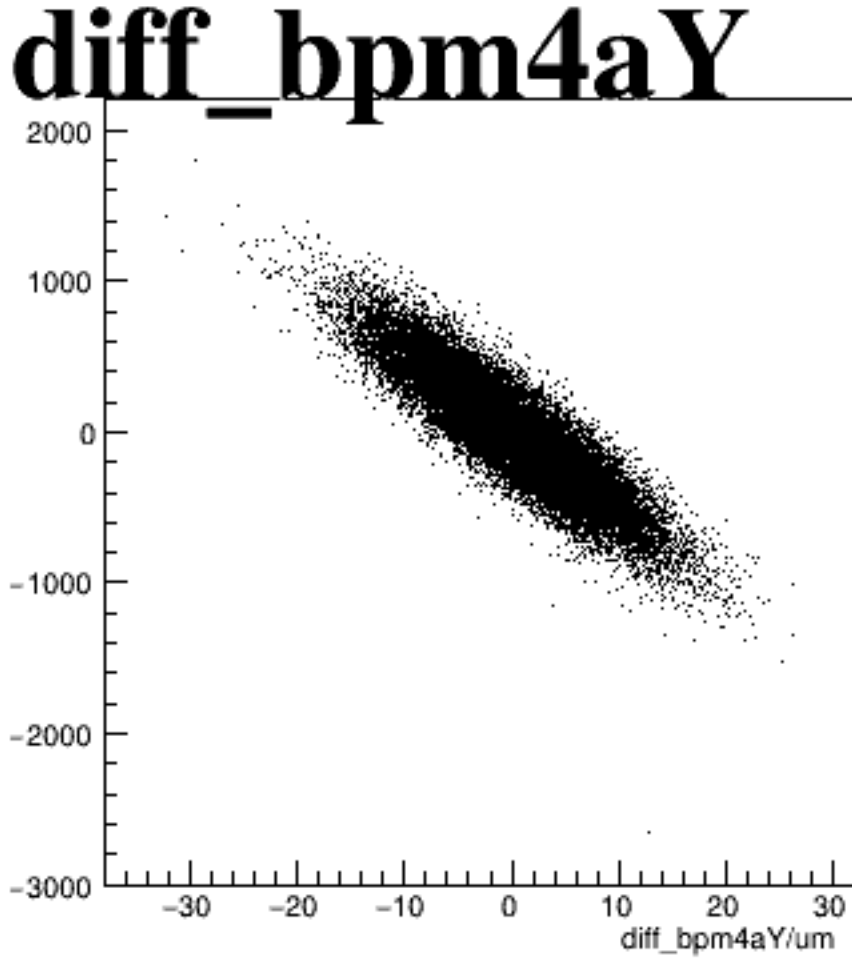
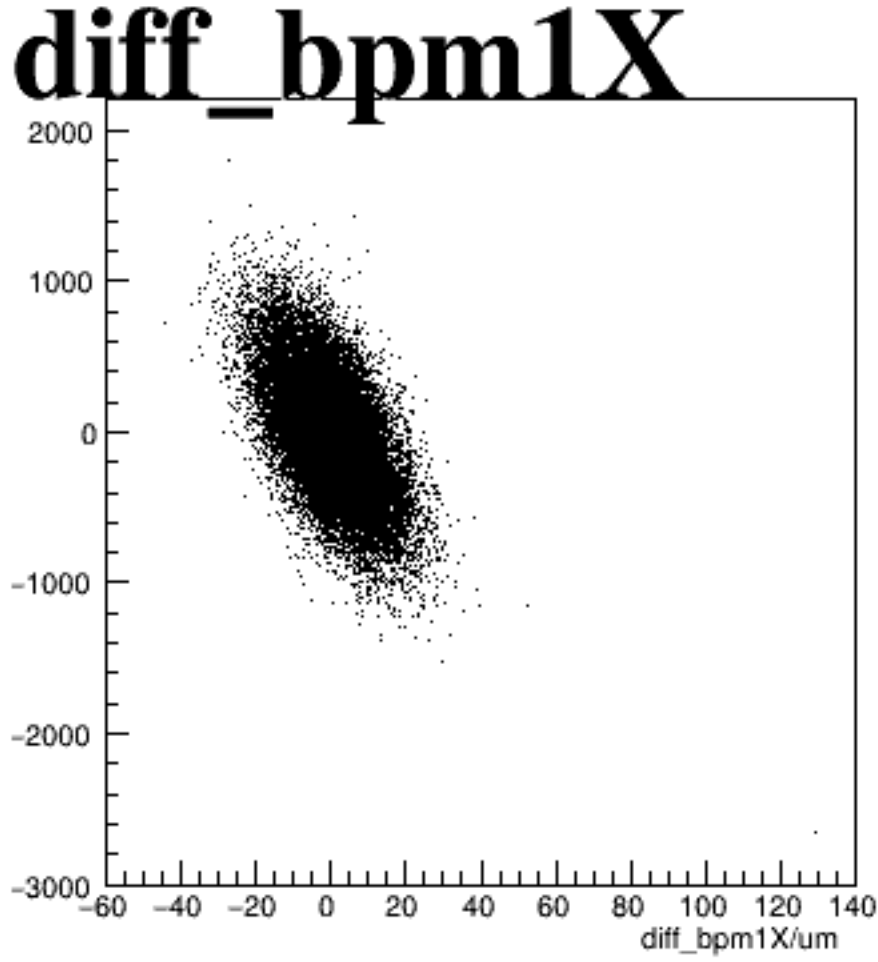
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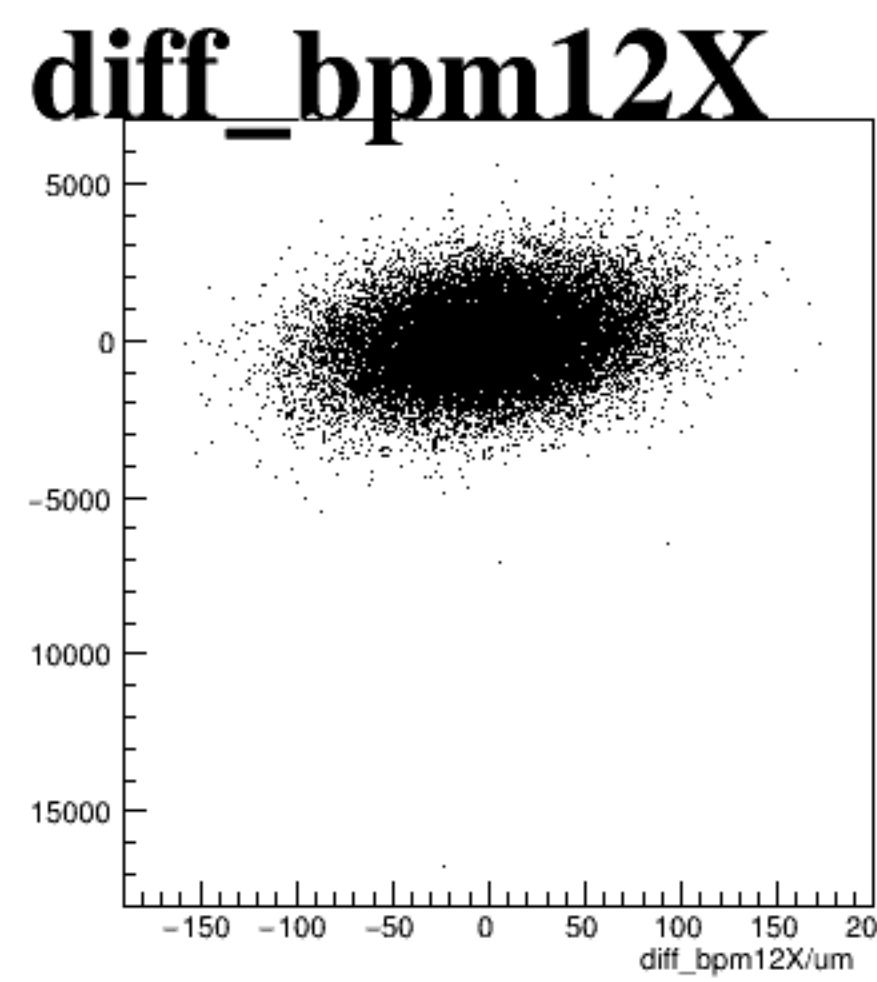
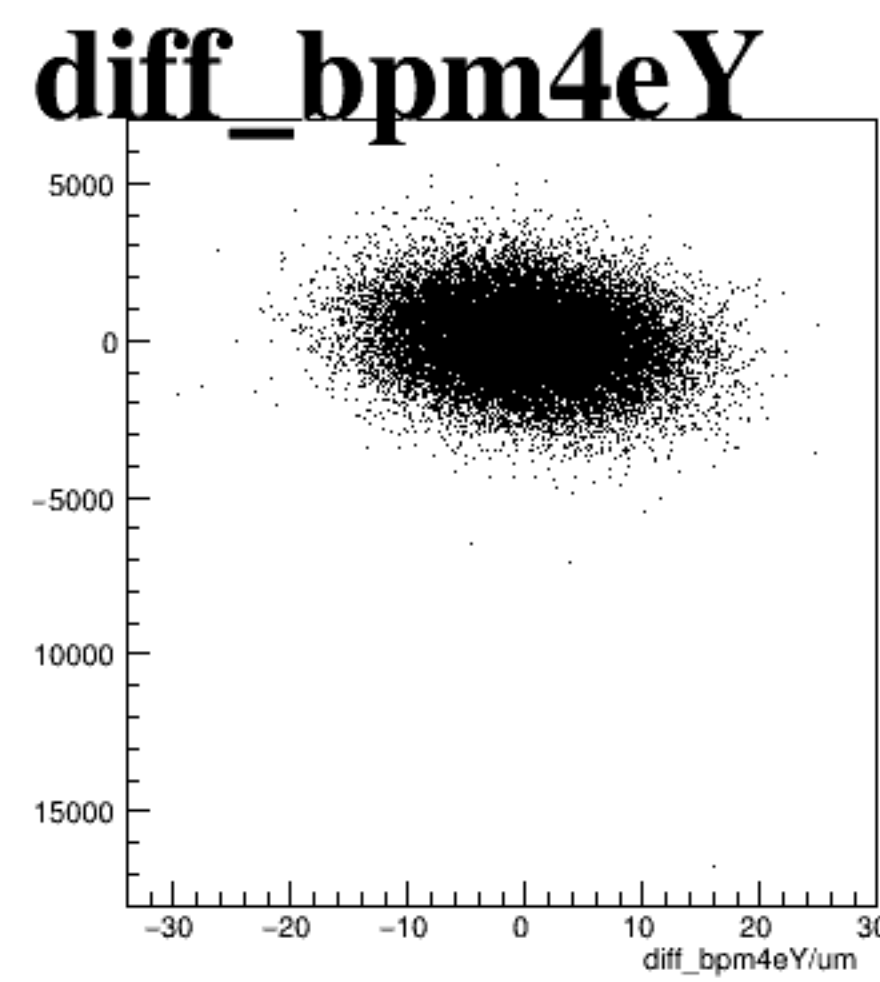
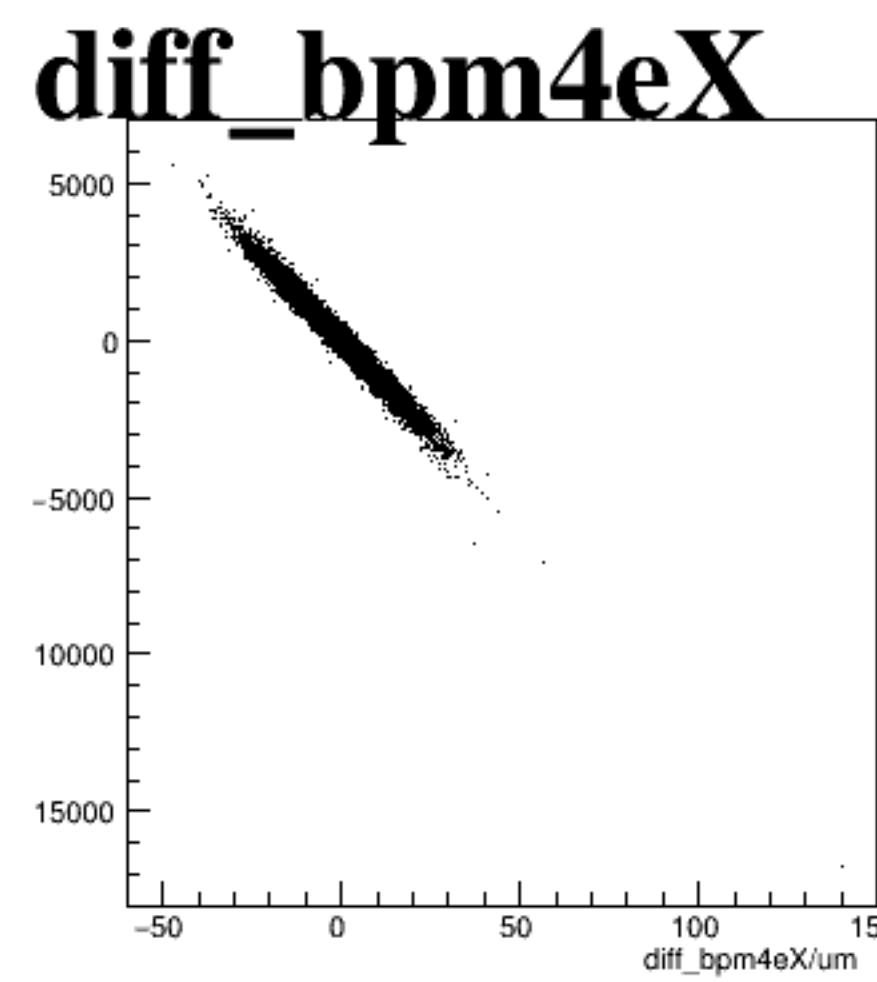
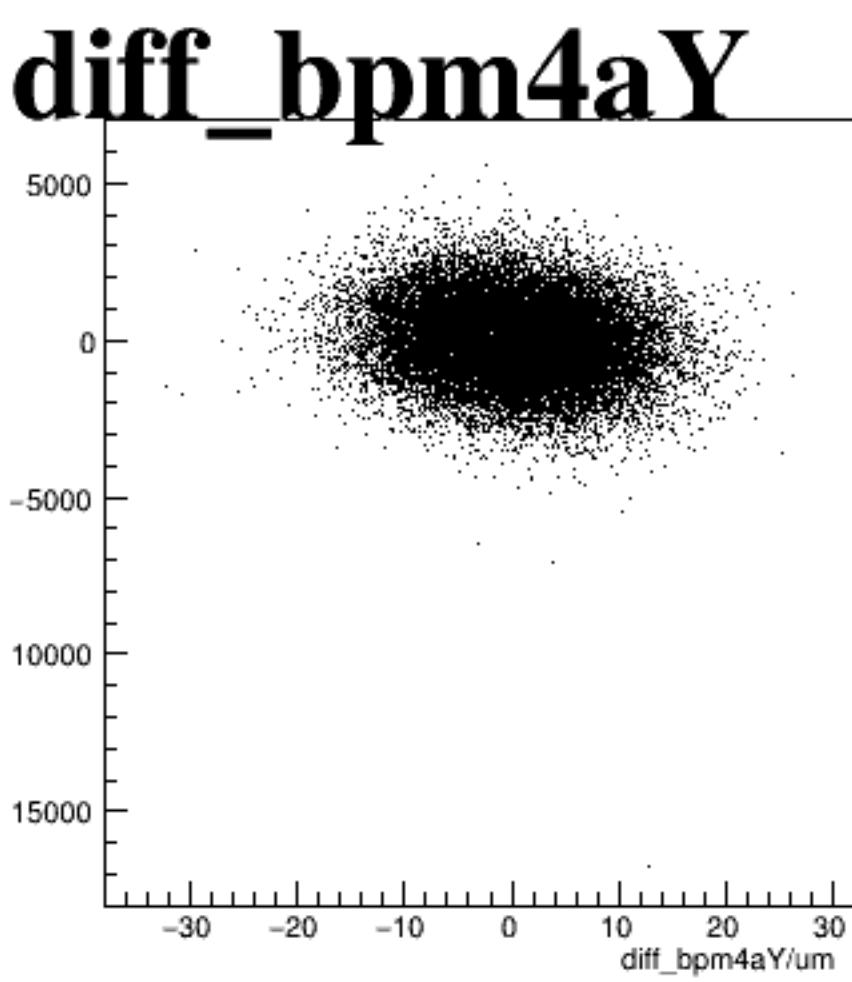
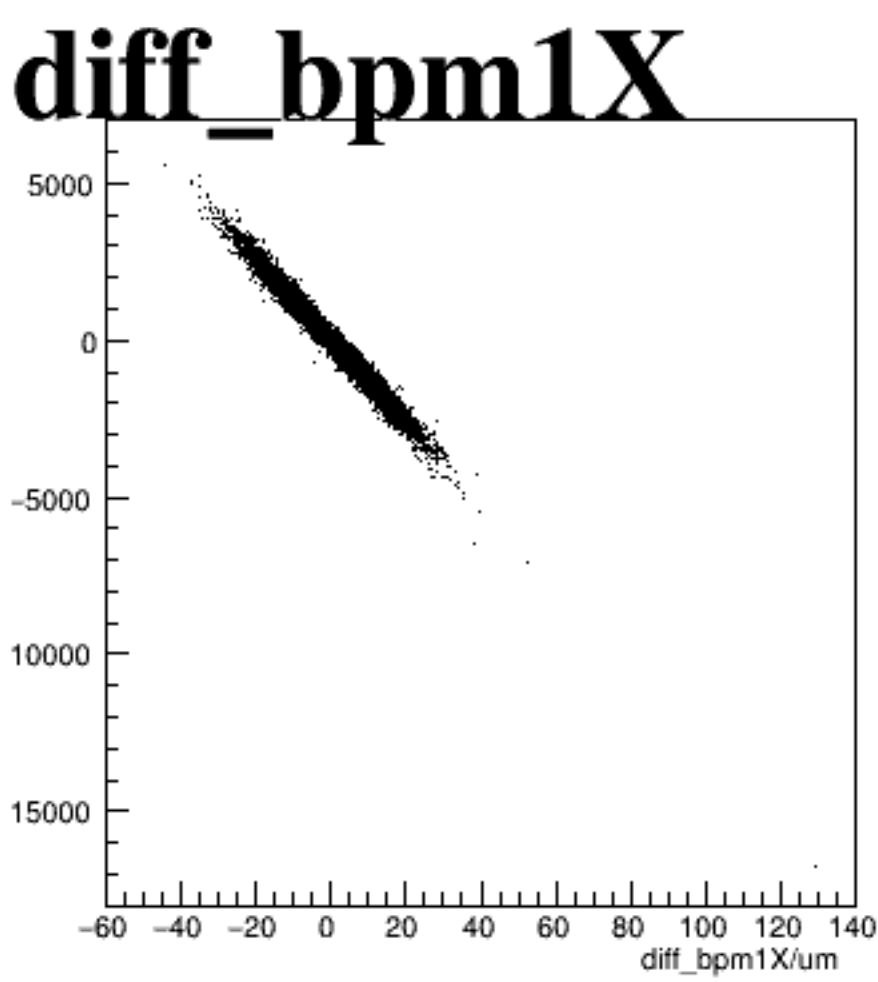
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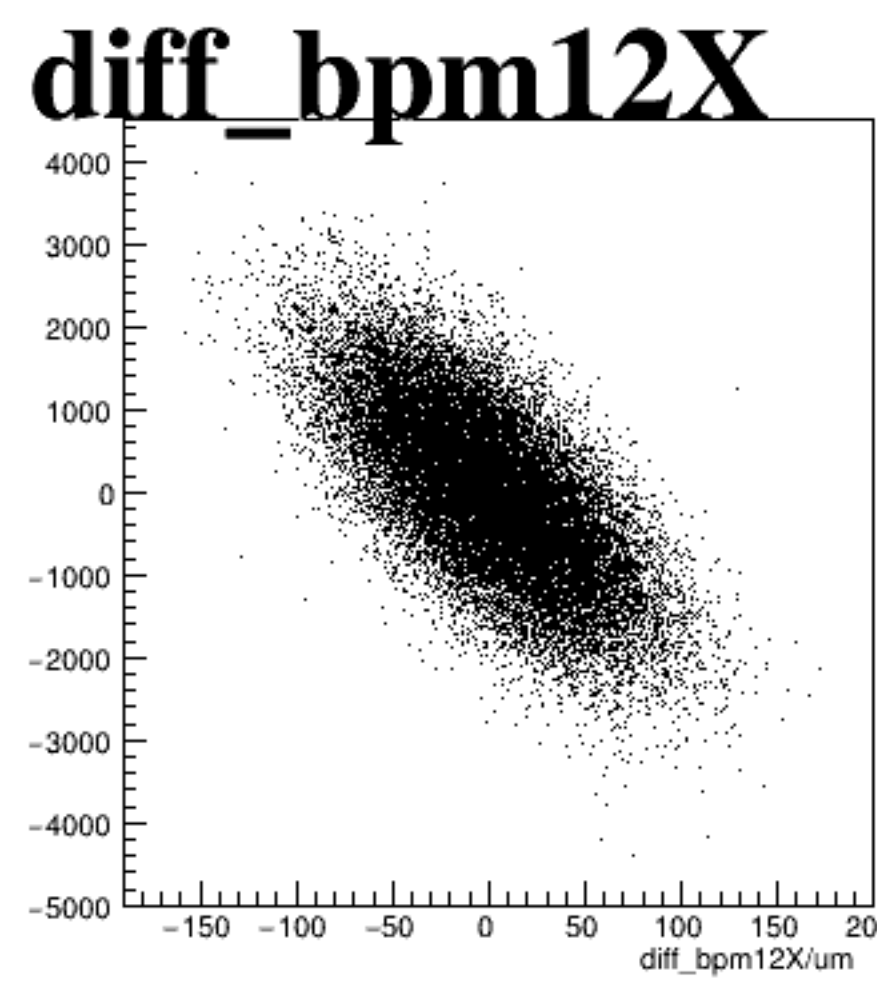
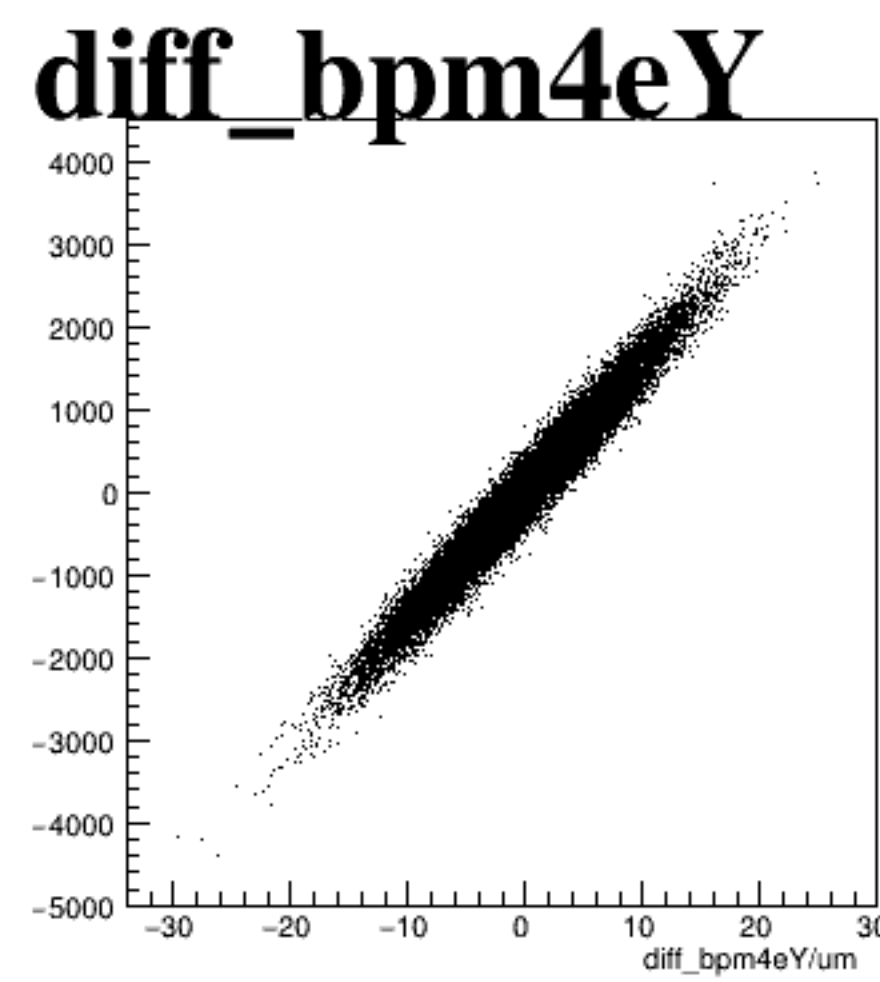
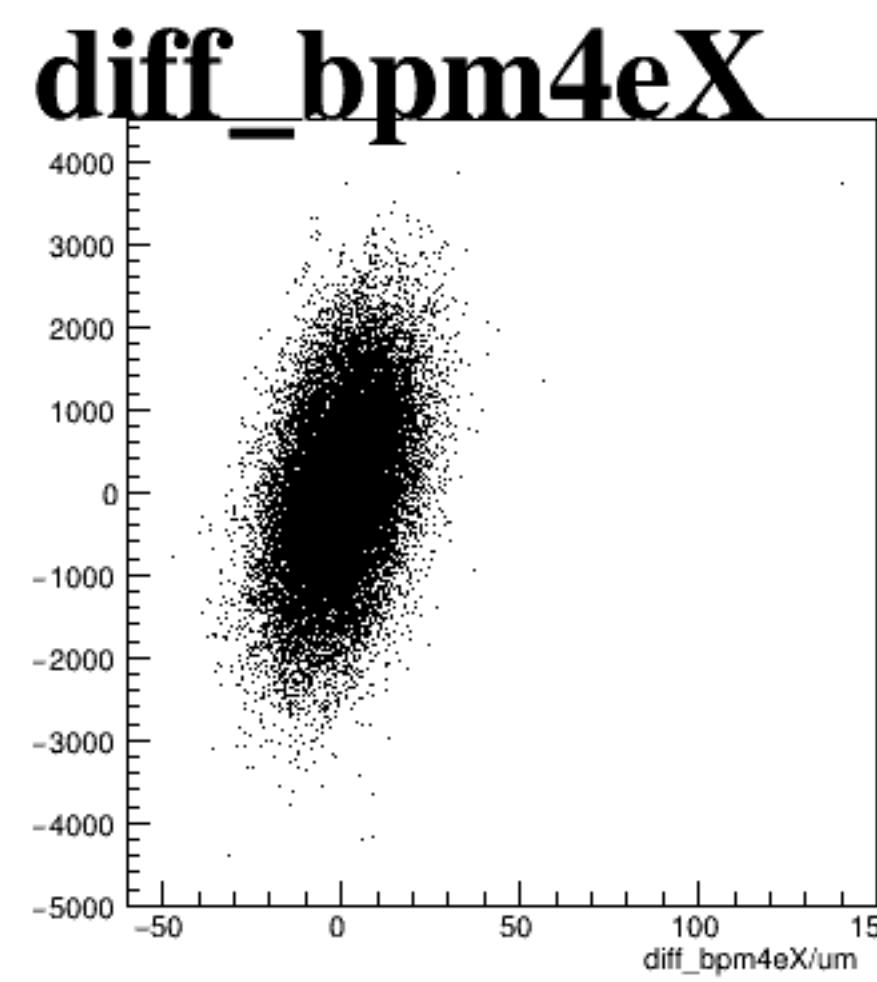
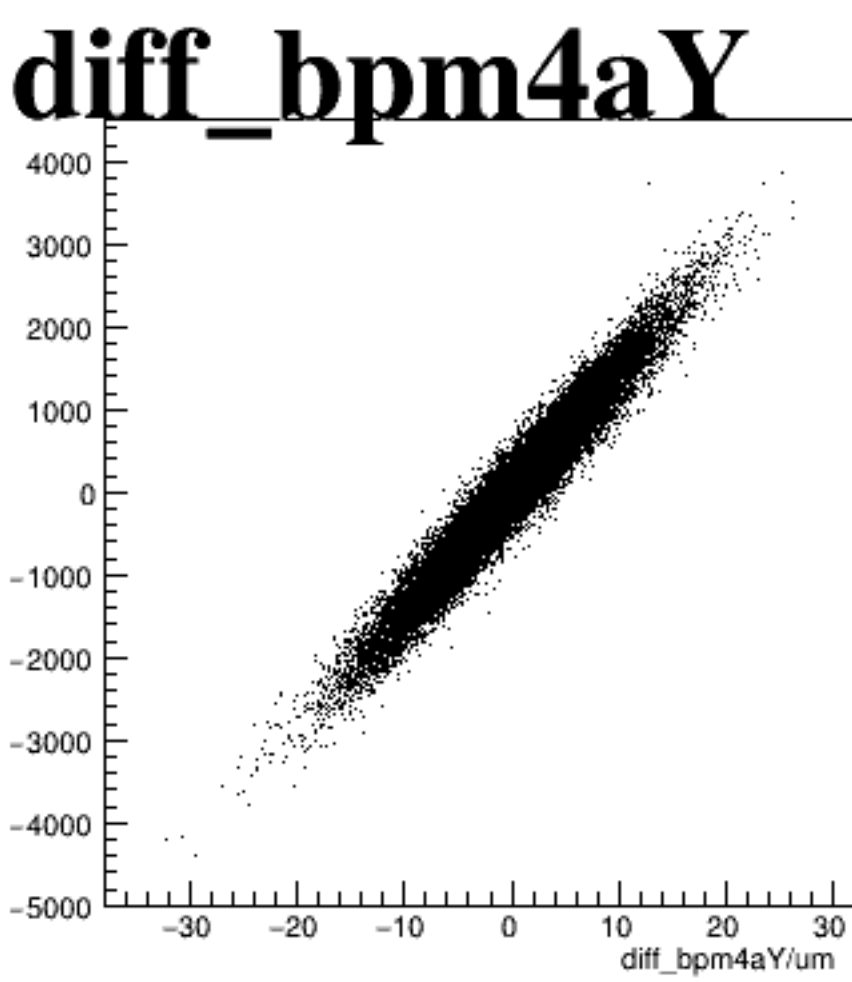
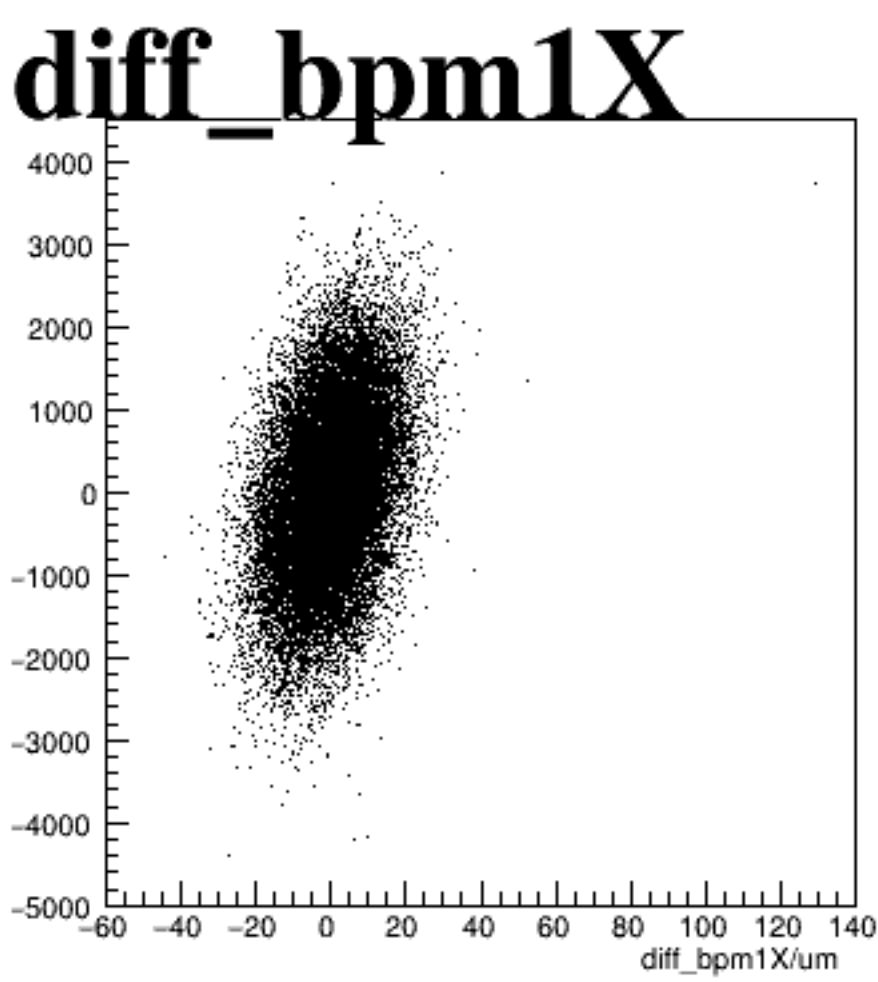
asym_sam1



asym_sam3



asym_sam5



asym_sam7

