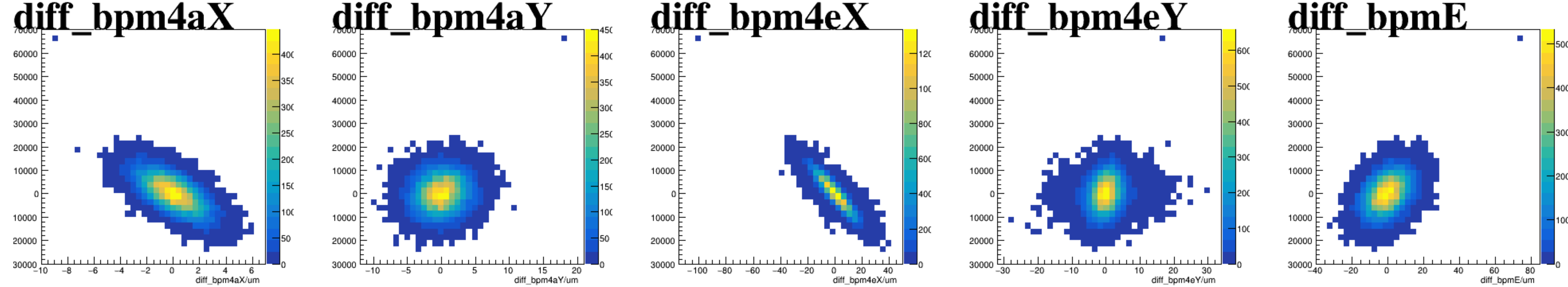
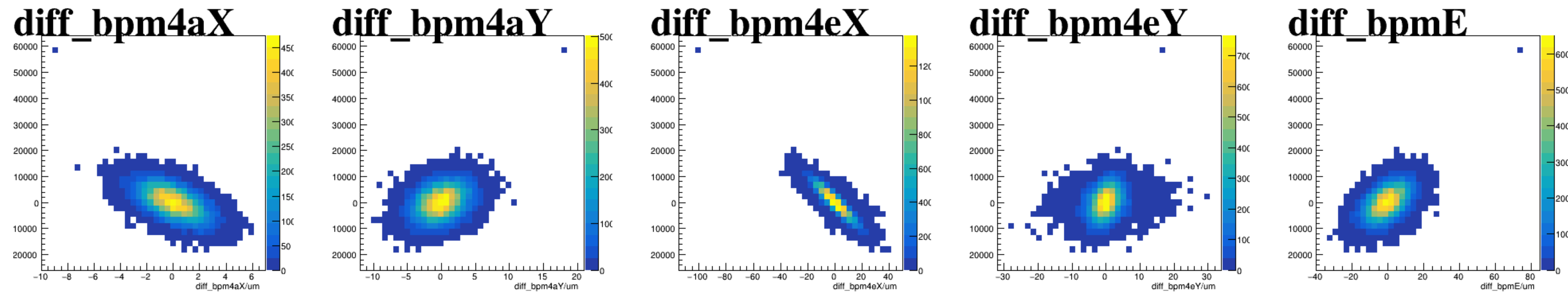


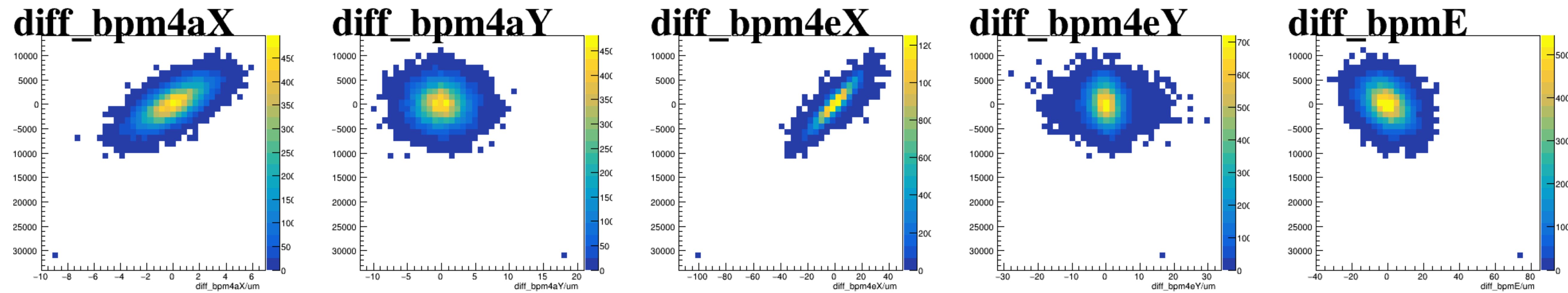
asym_sam2



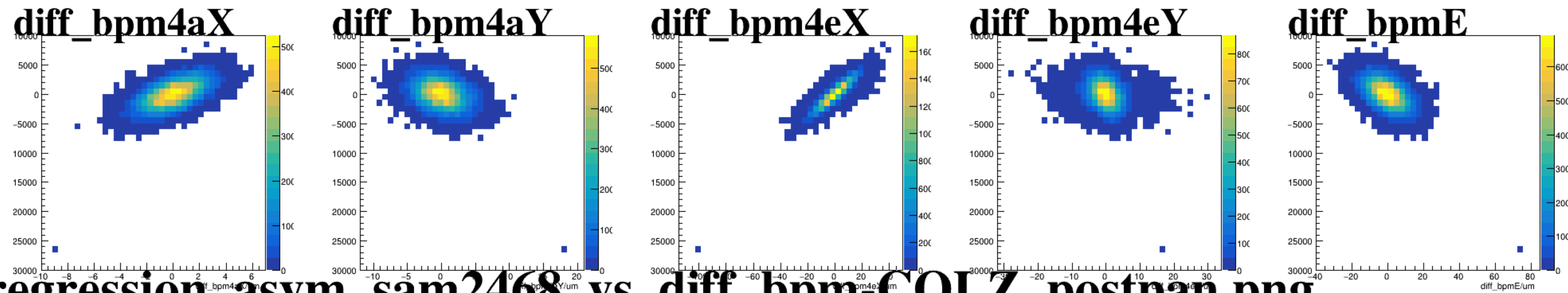
asym_sam4



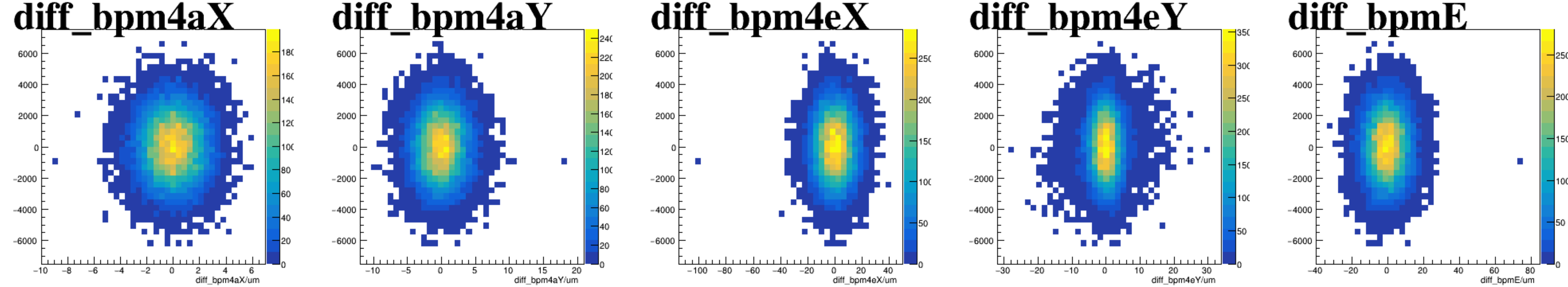
asym_sam6



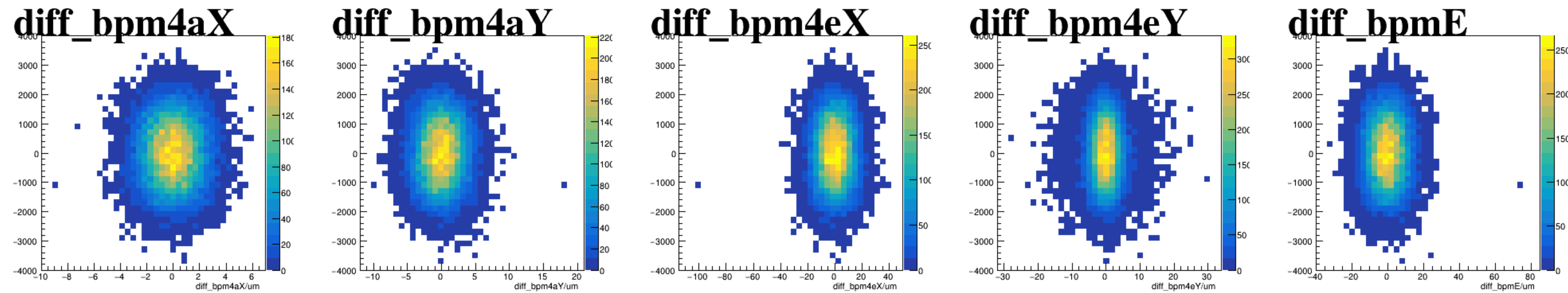
asym_sam8



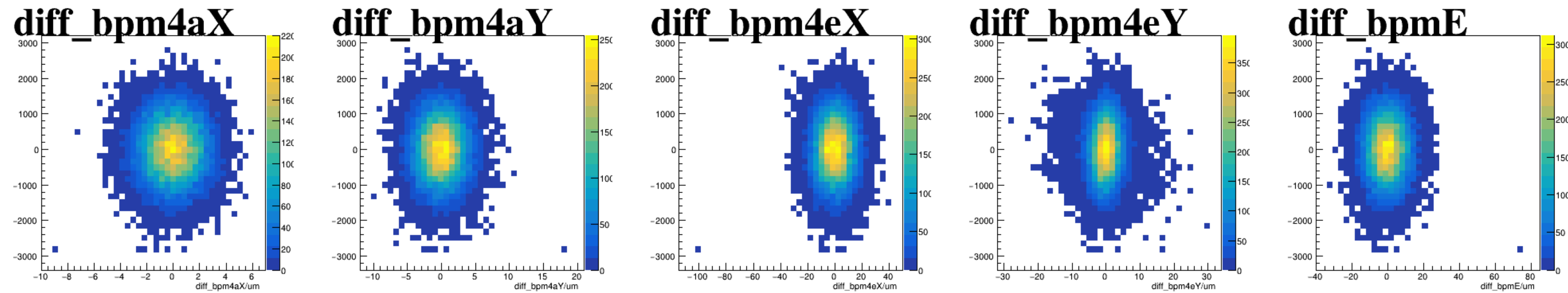
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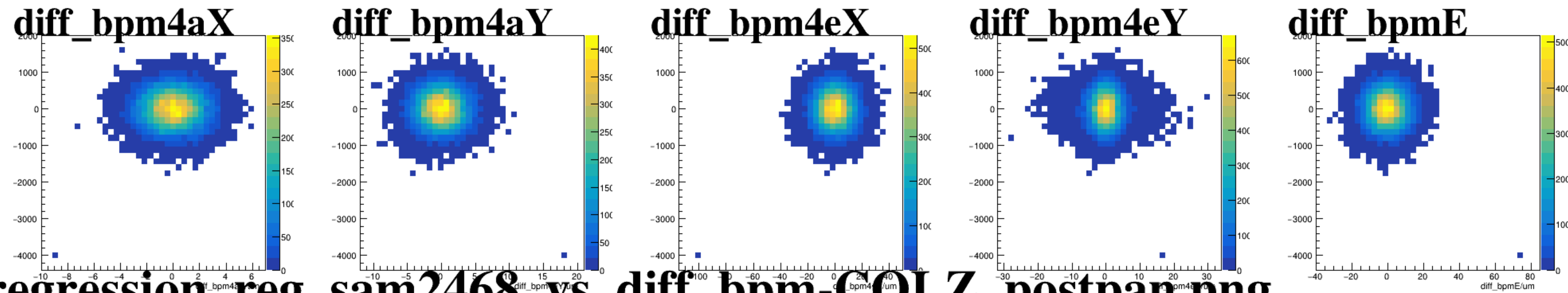
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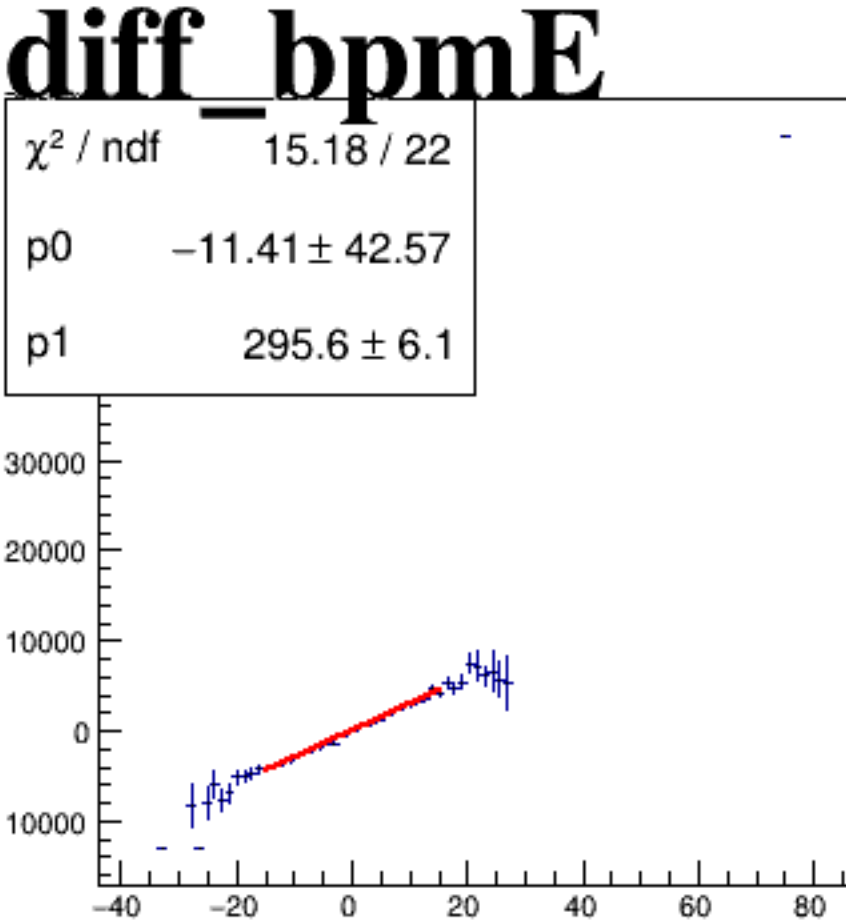
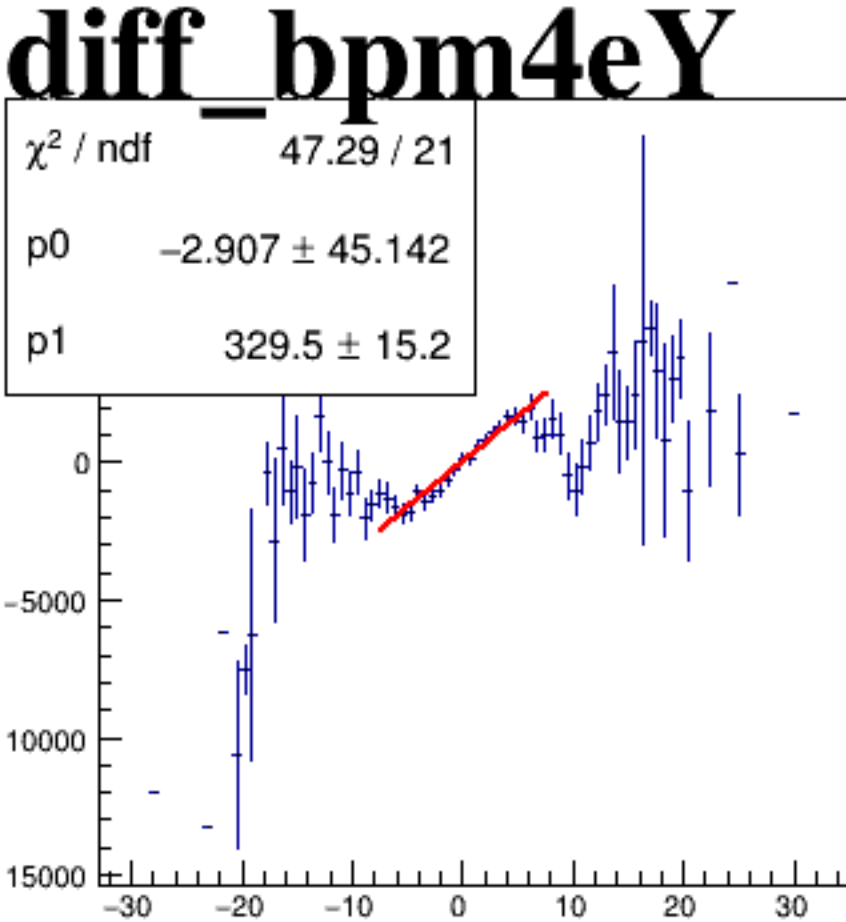
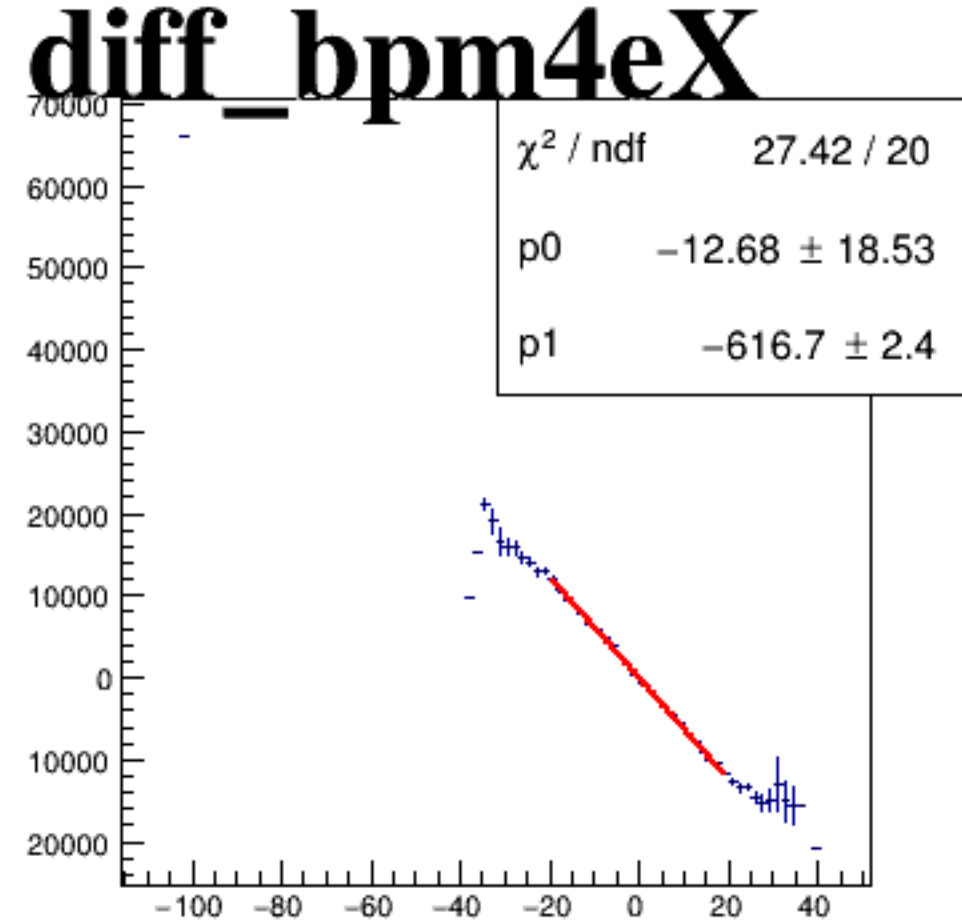
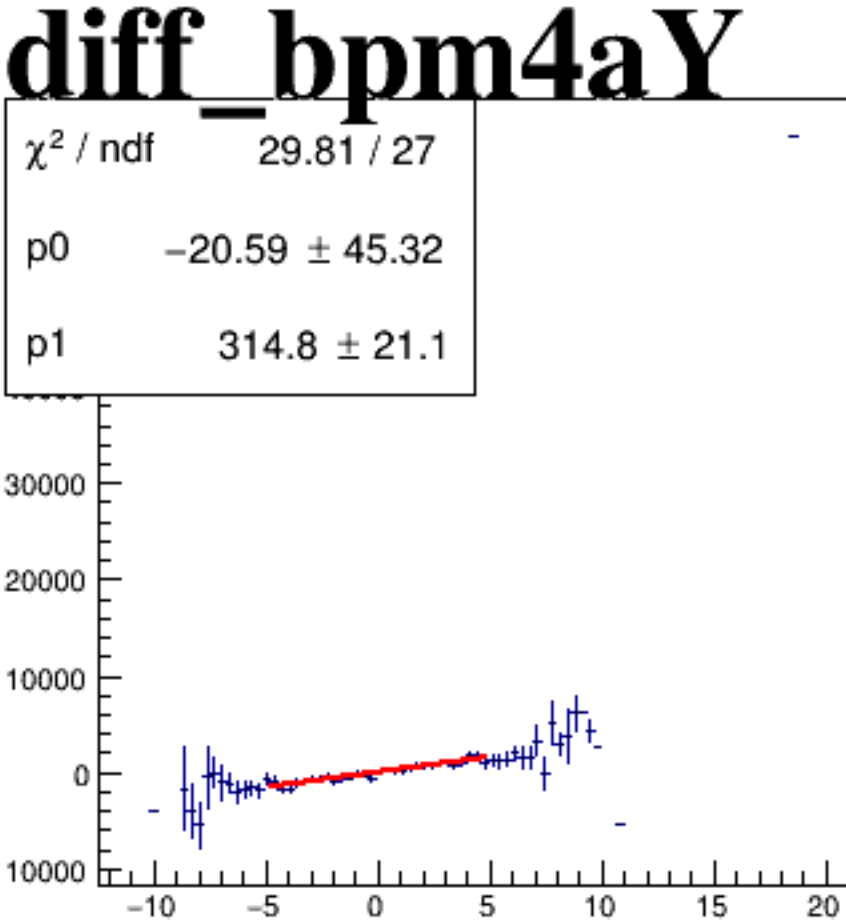
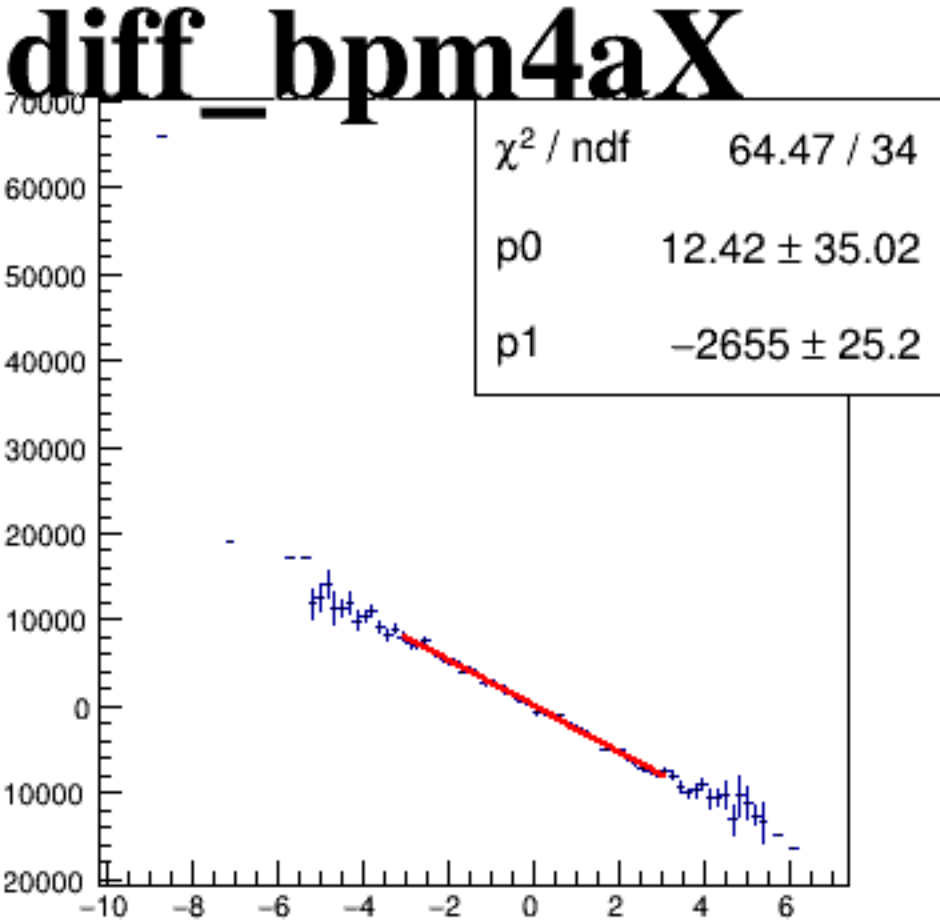
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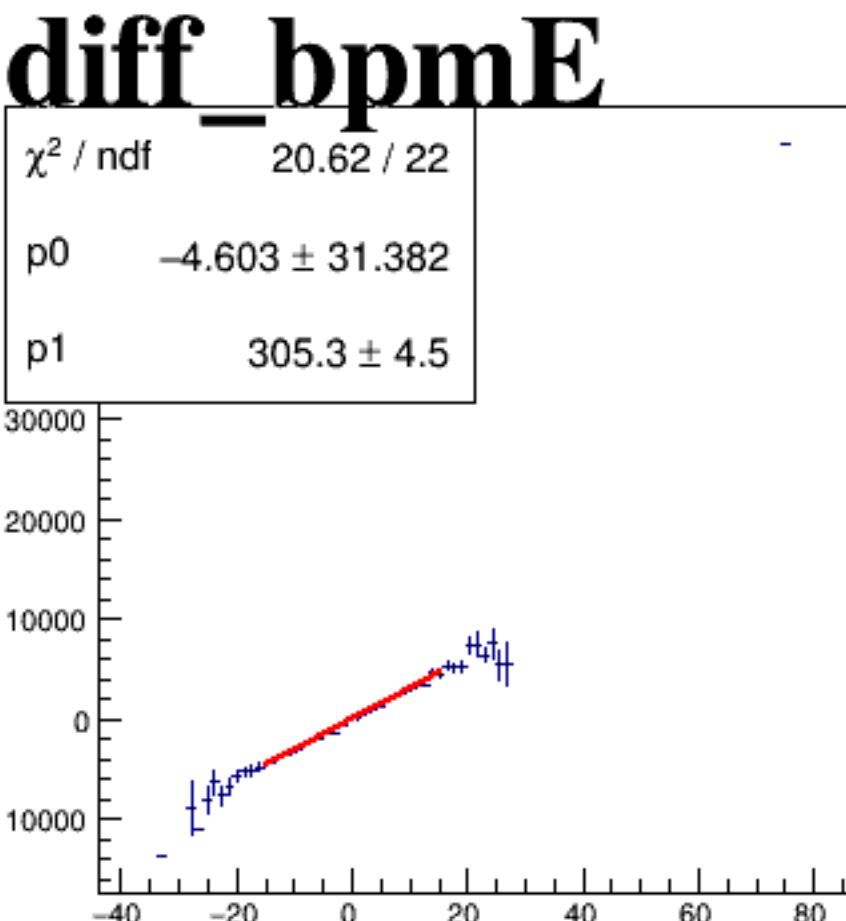
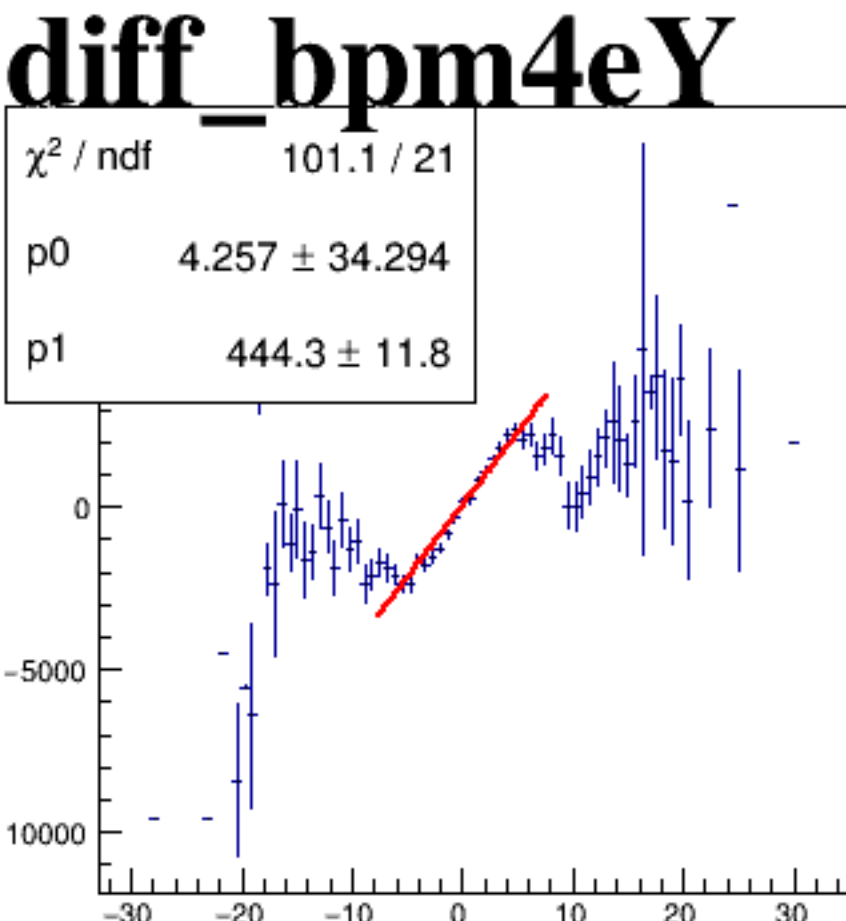
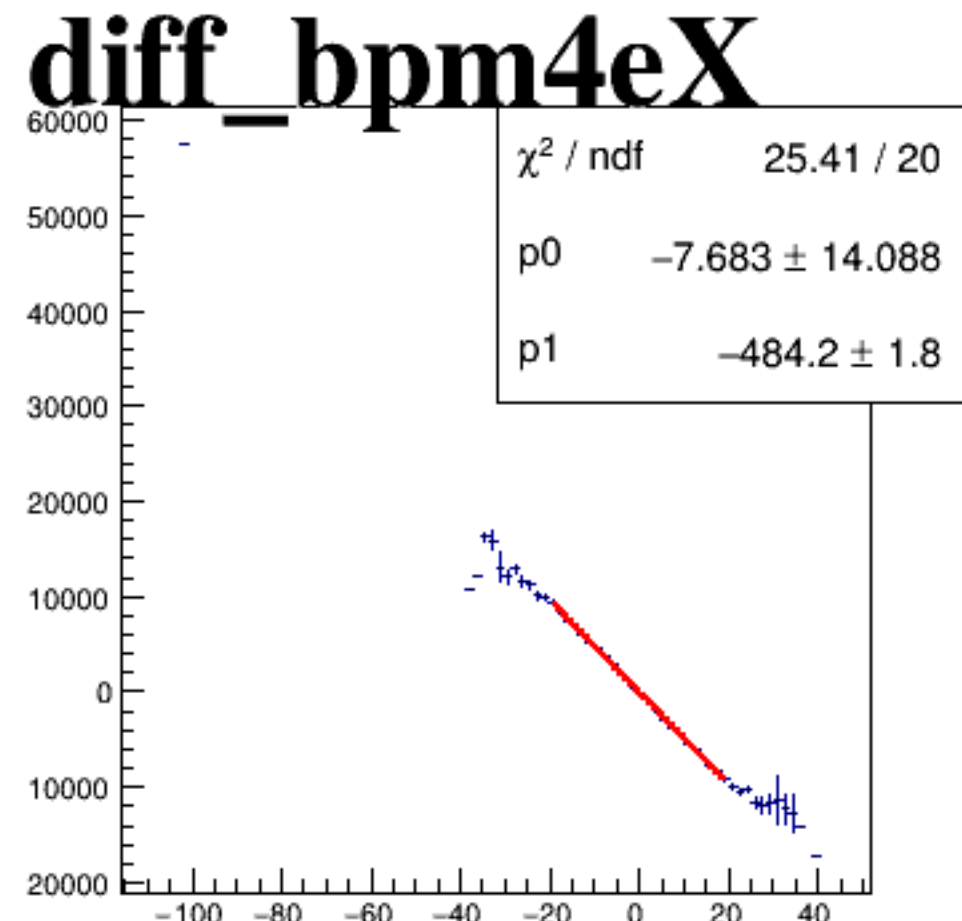
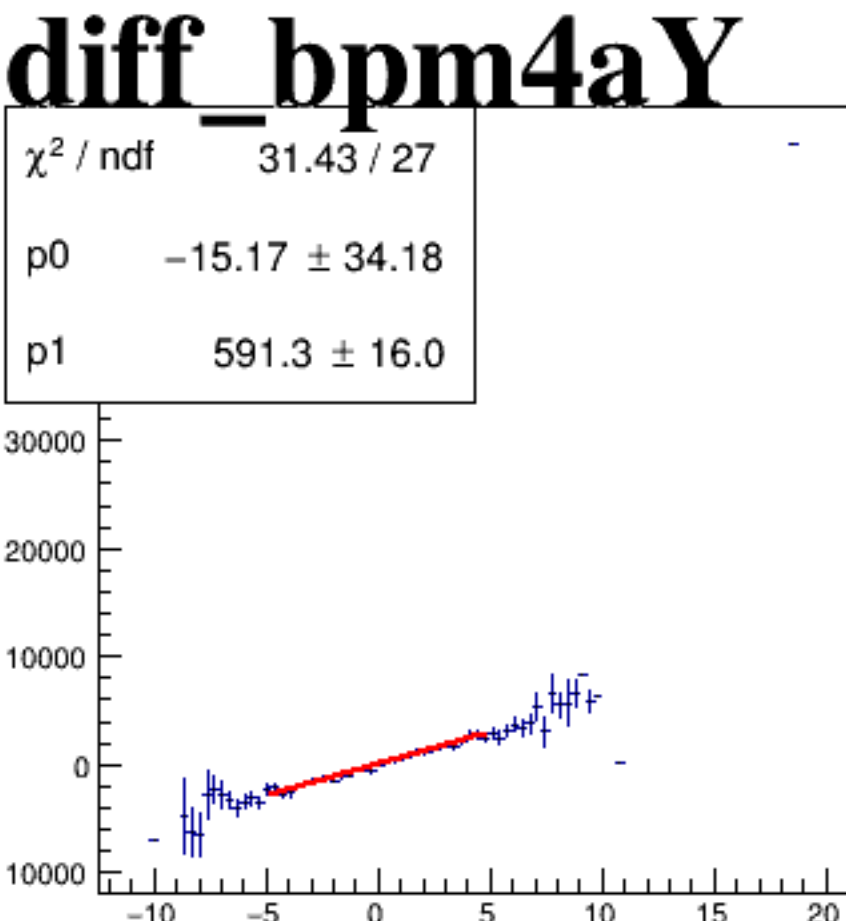
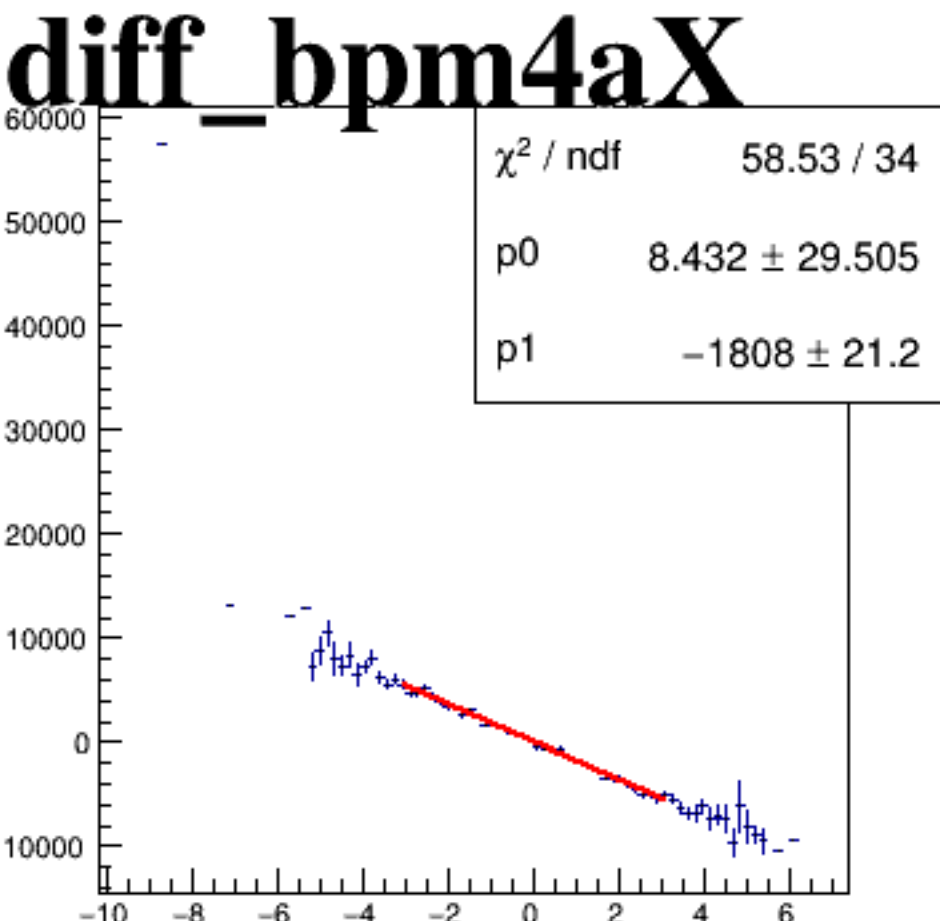
reg_asym_sam8



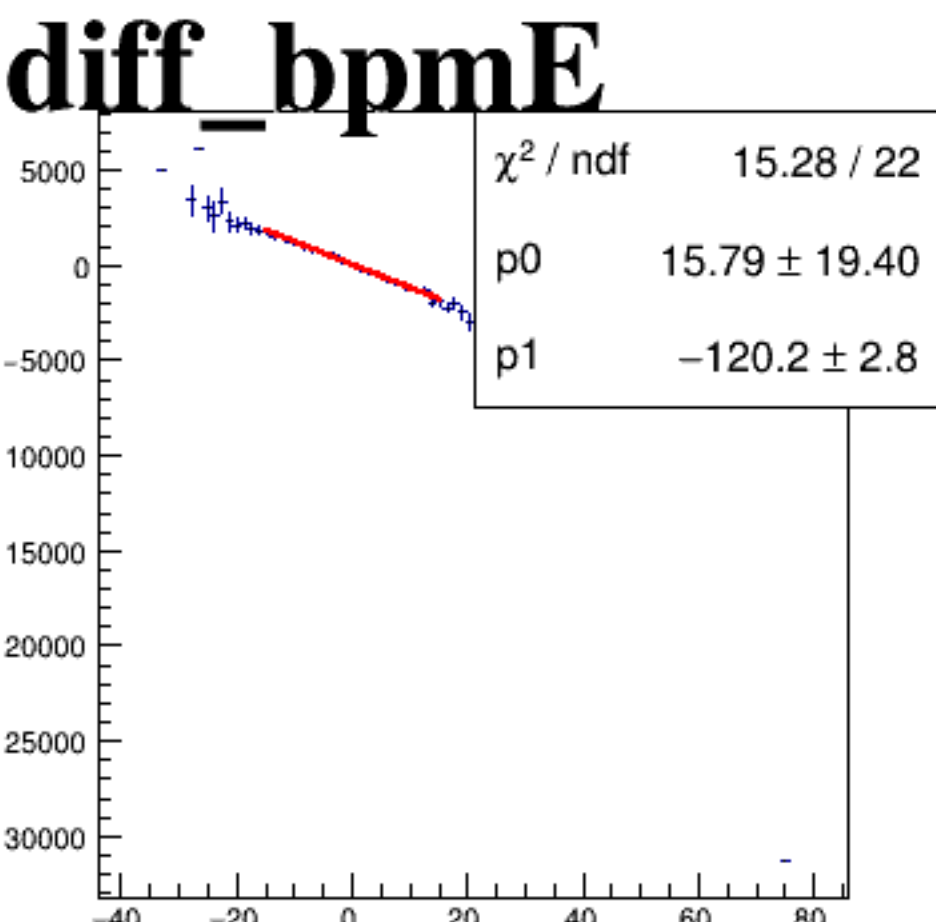
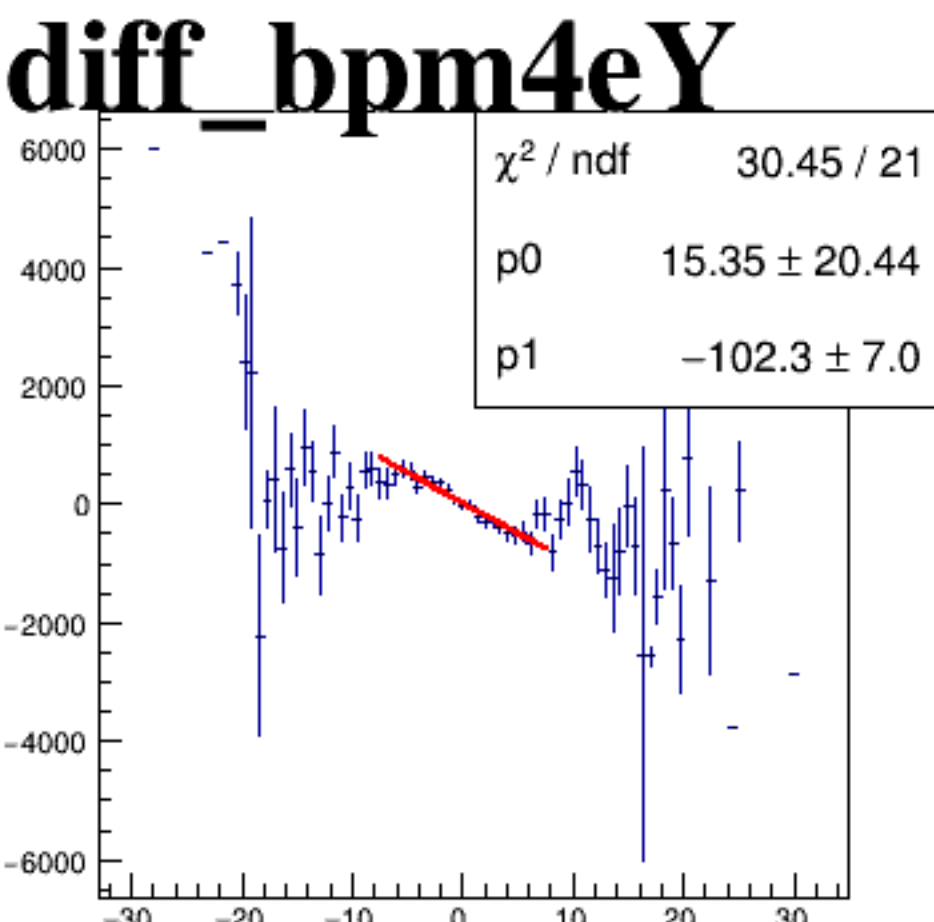
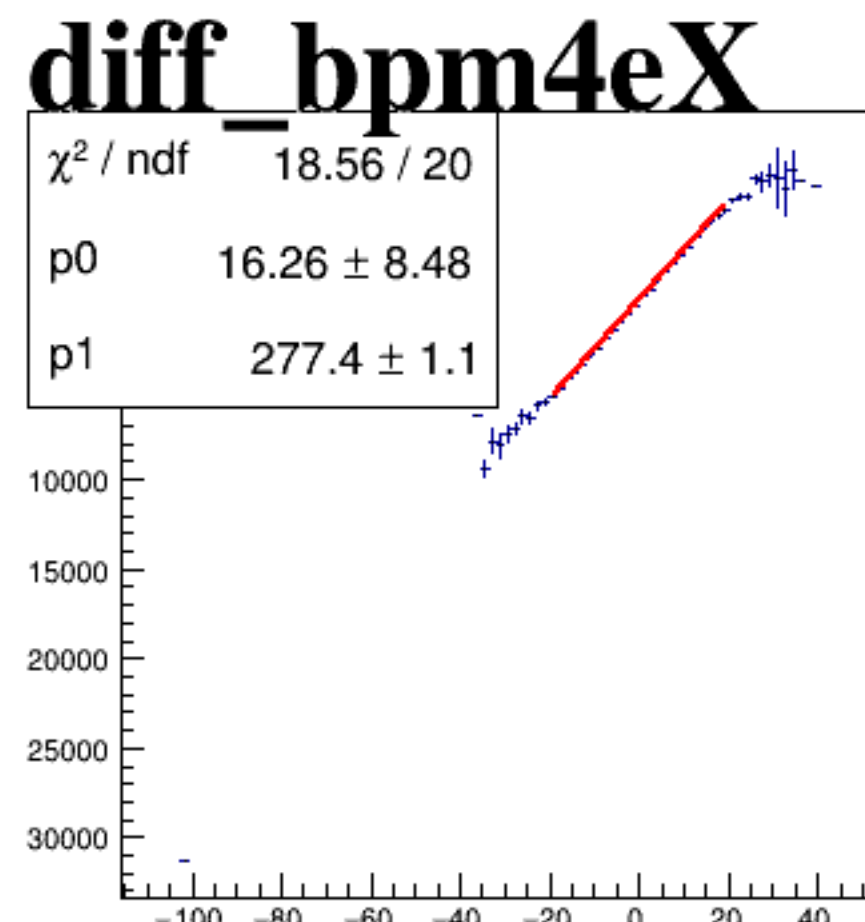
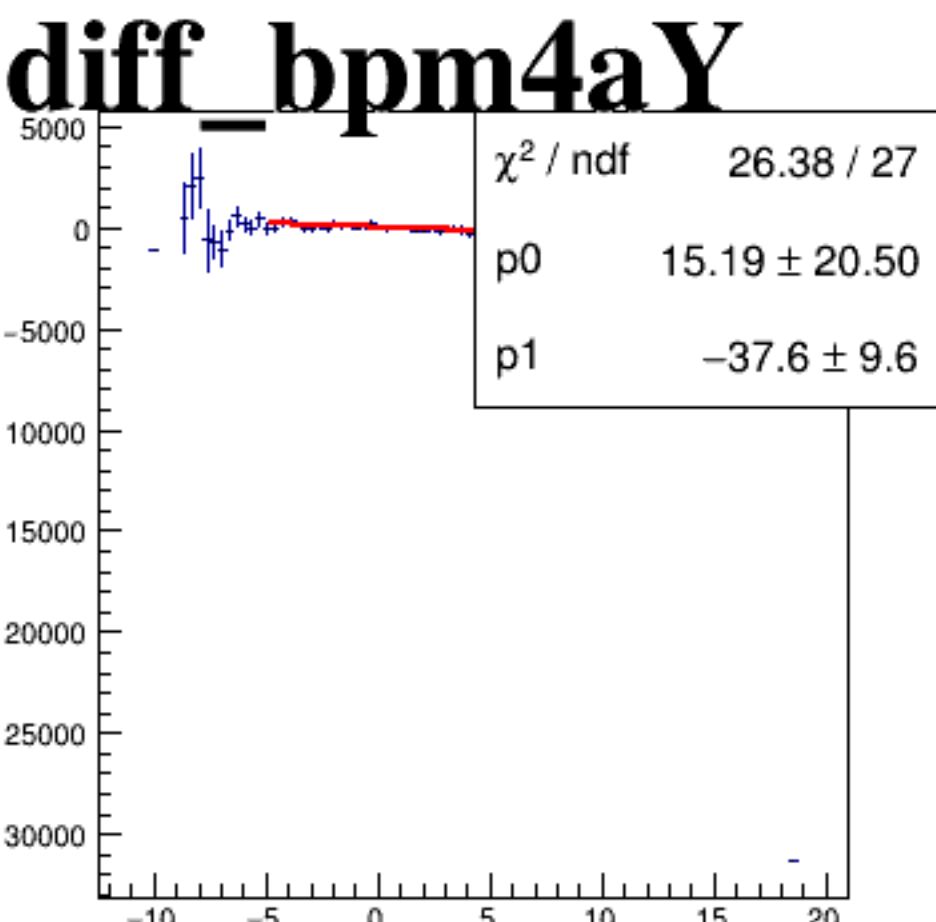
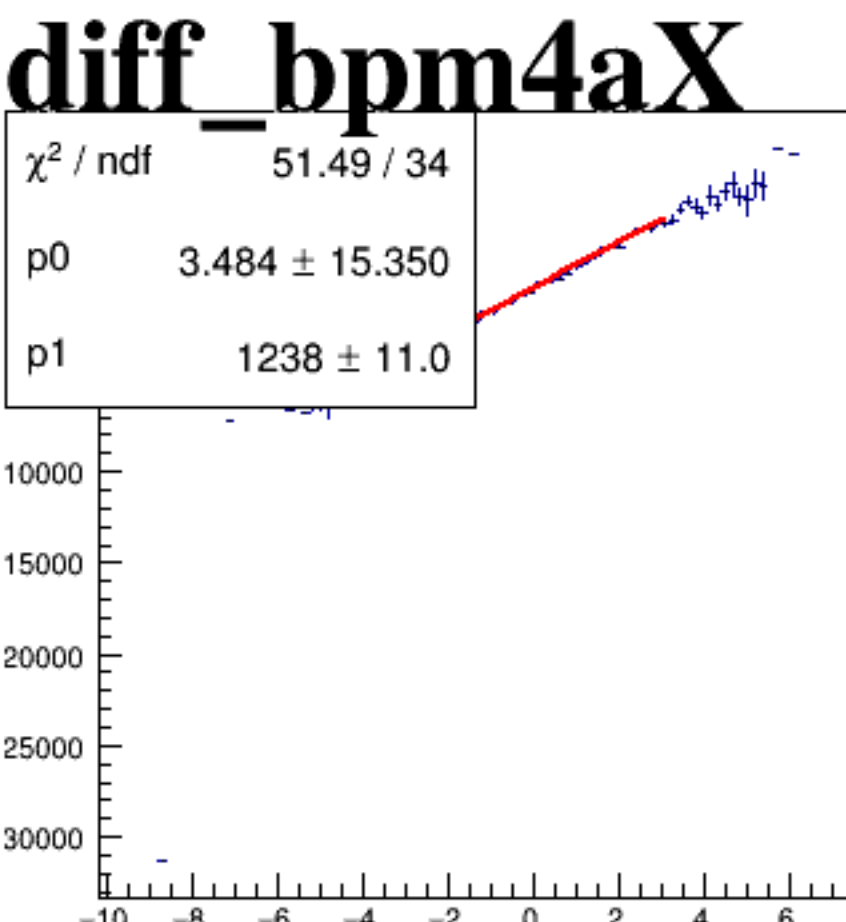
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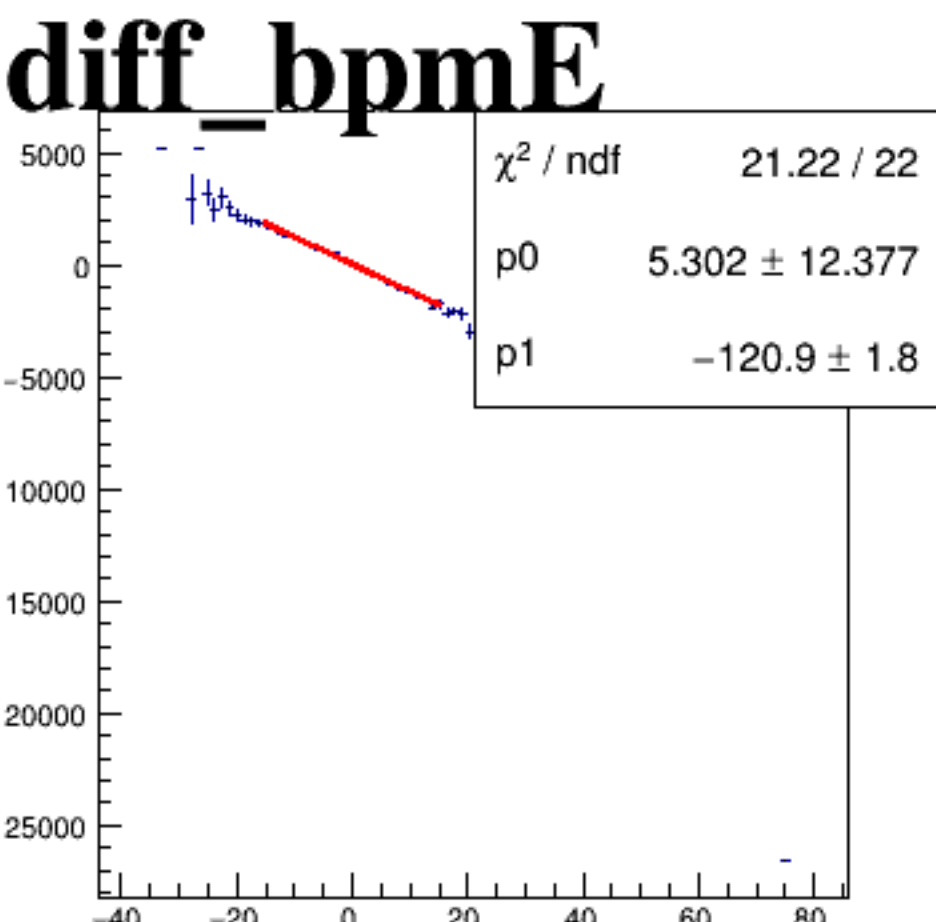
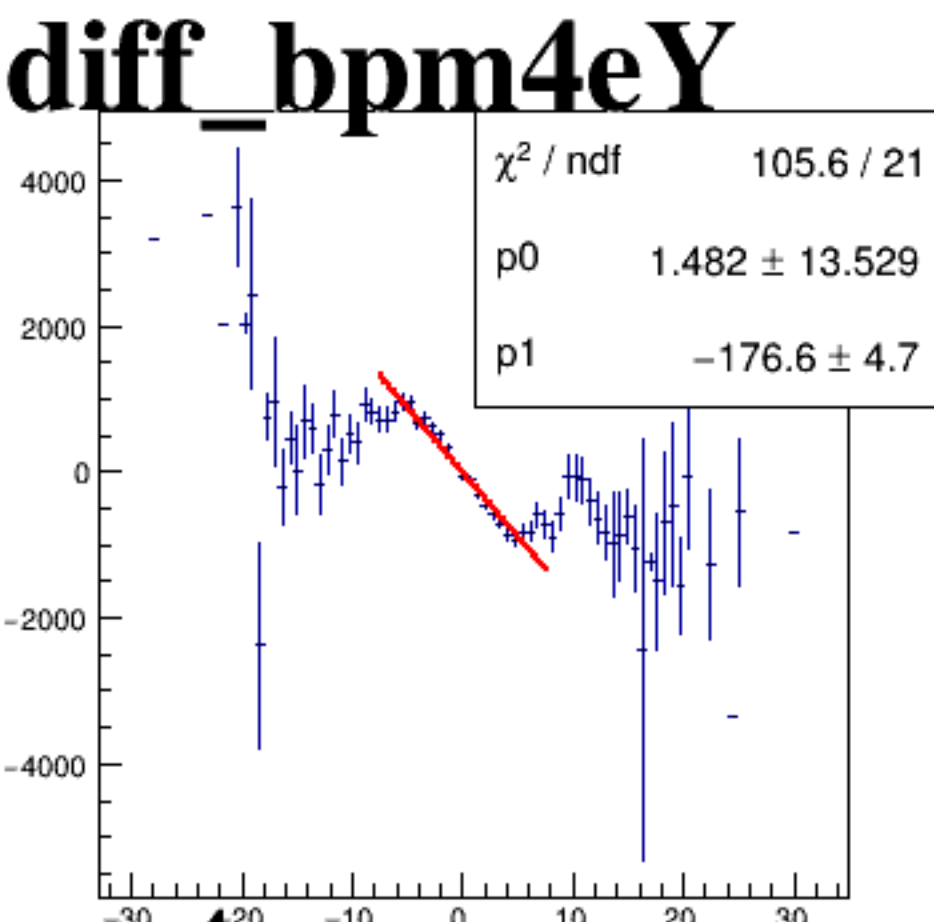
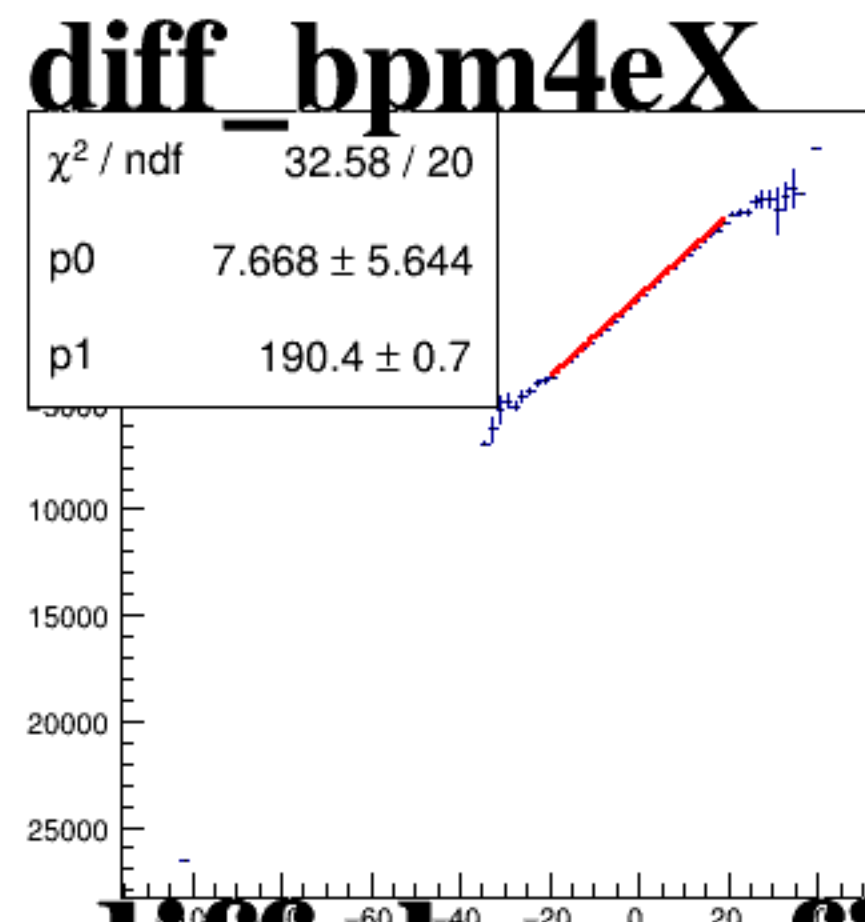
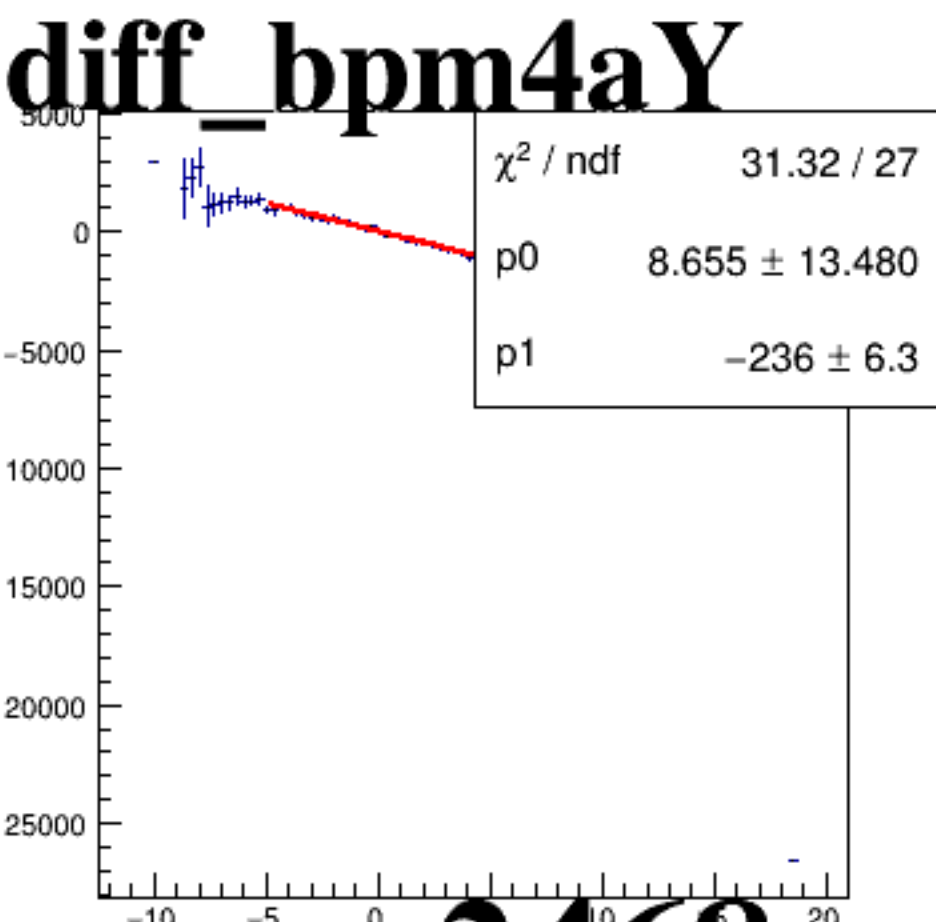
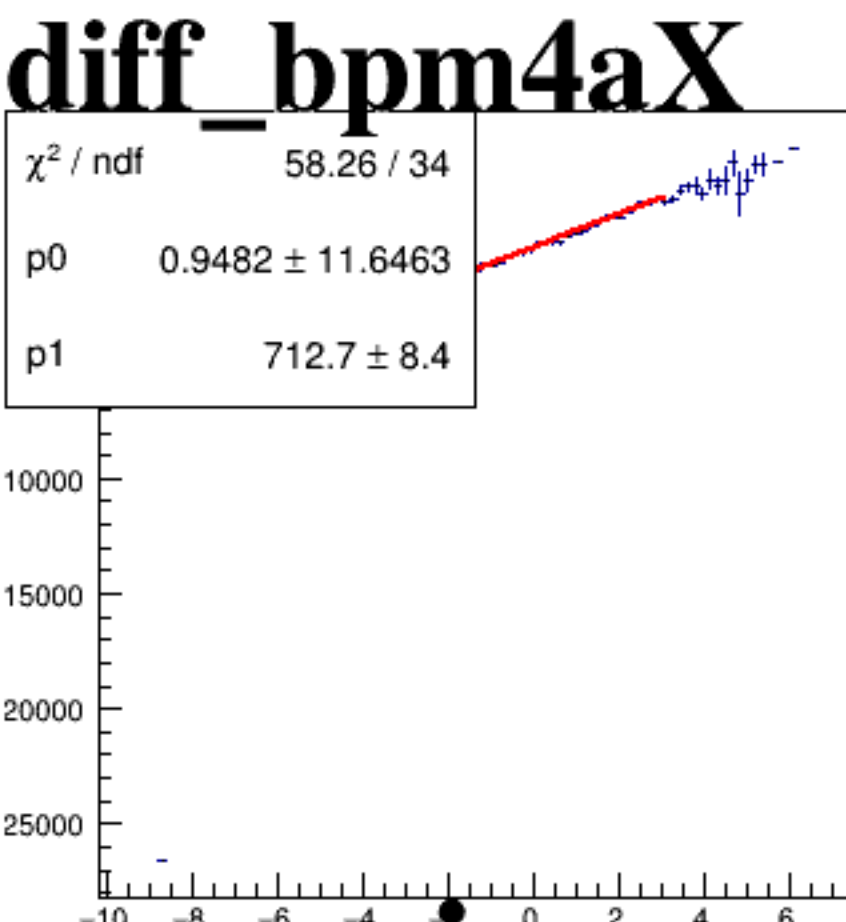
asym_sam4



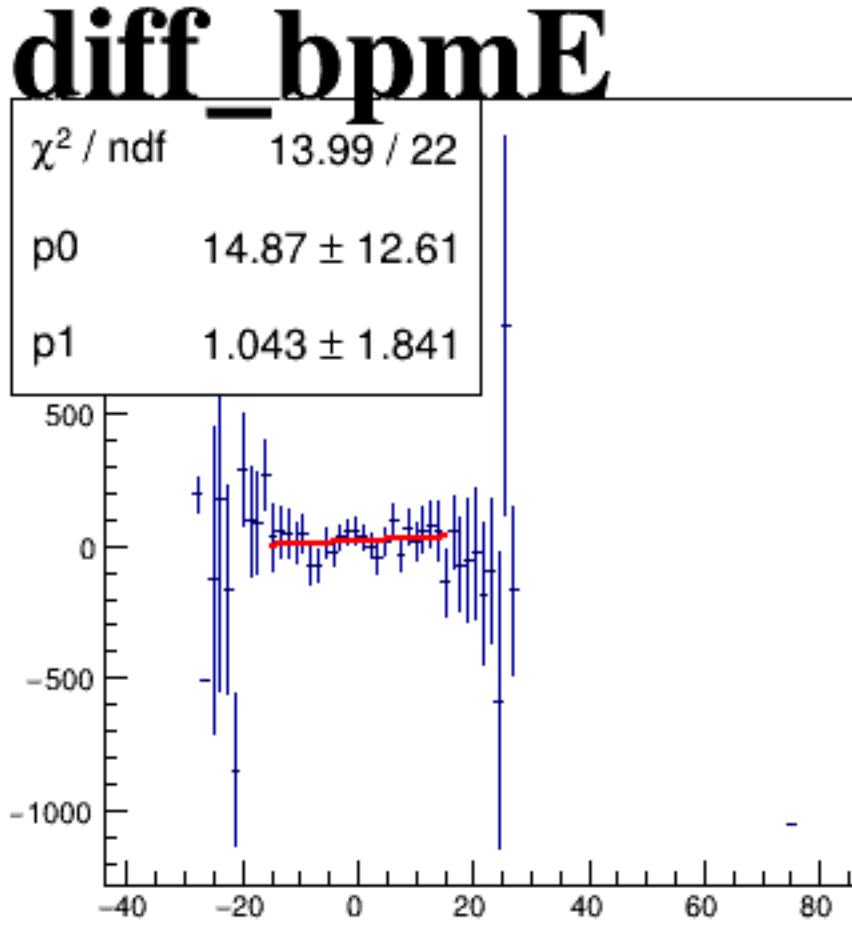
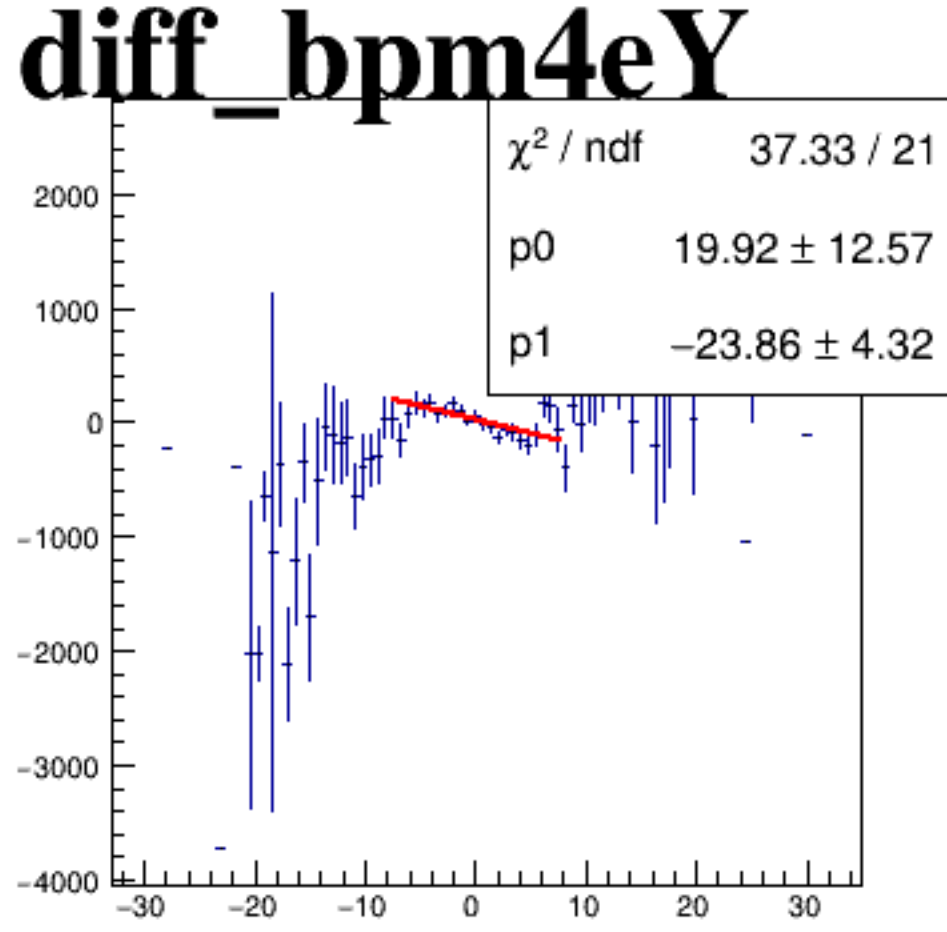
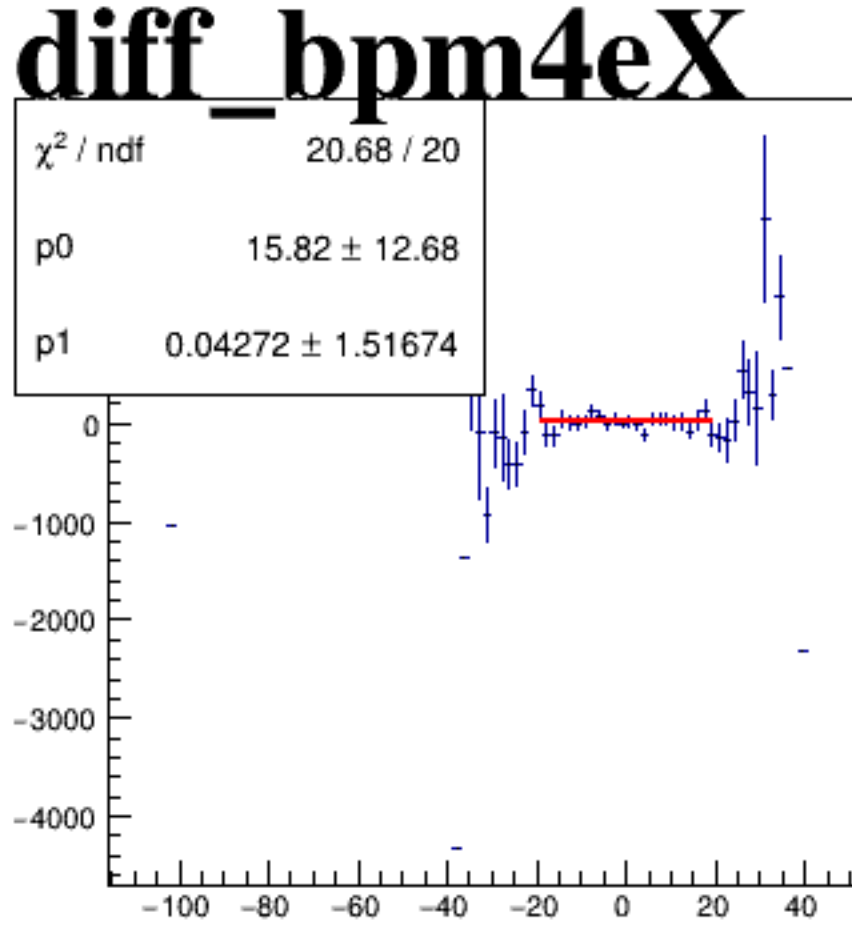
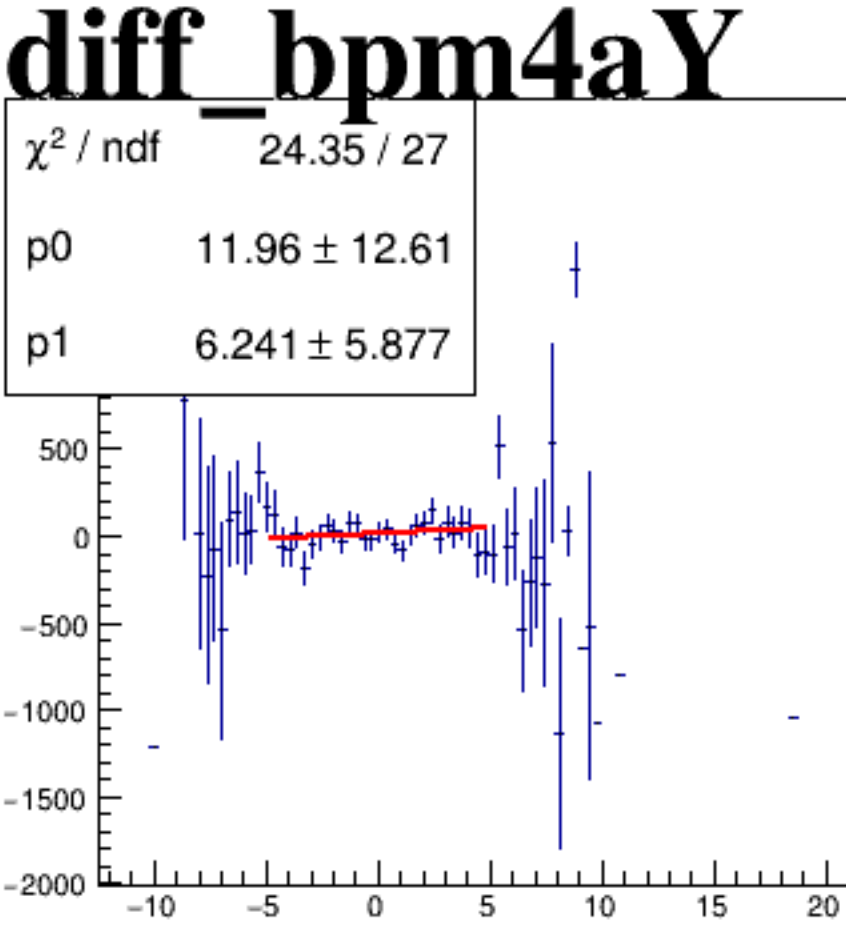
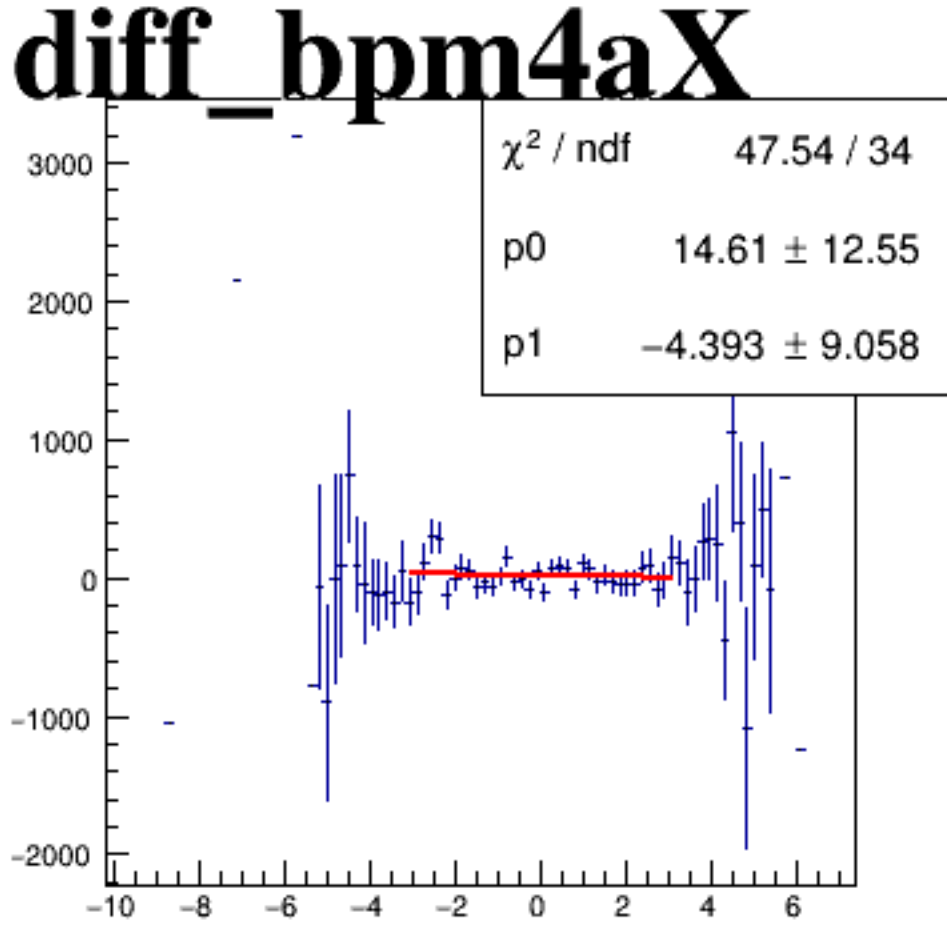
asym_sam6



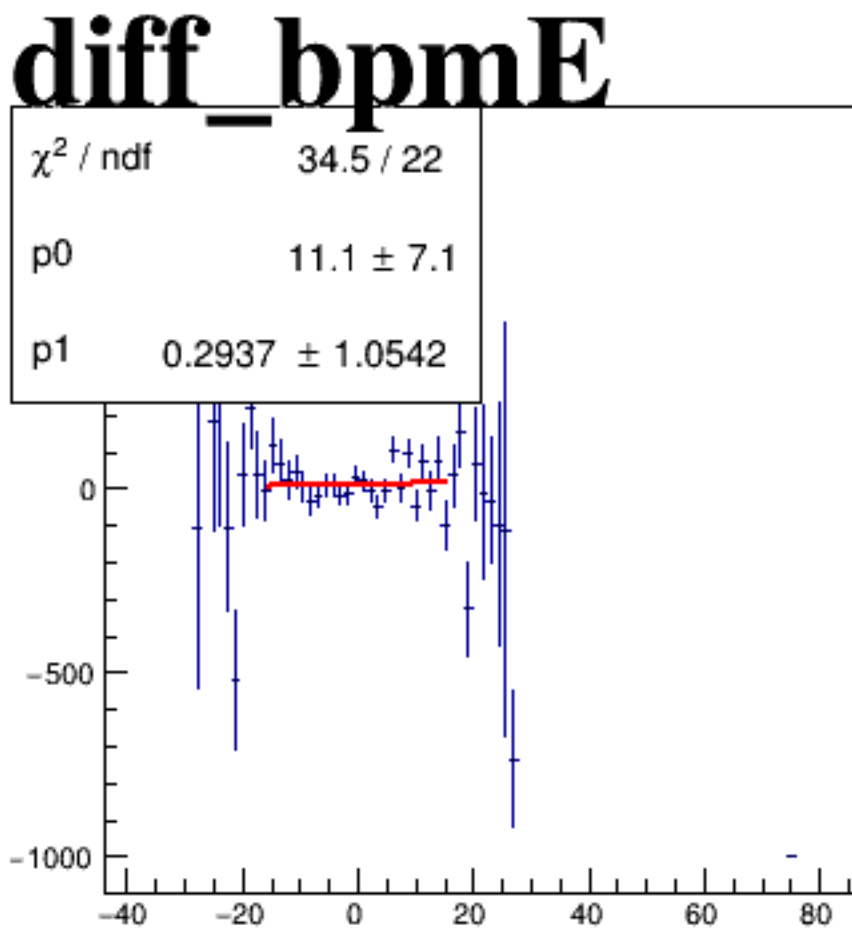
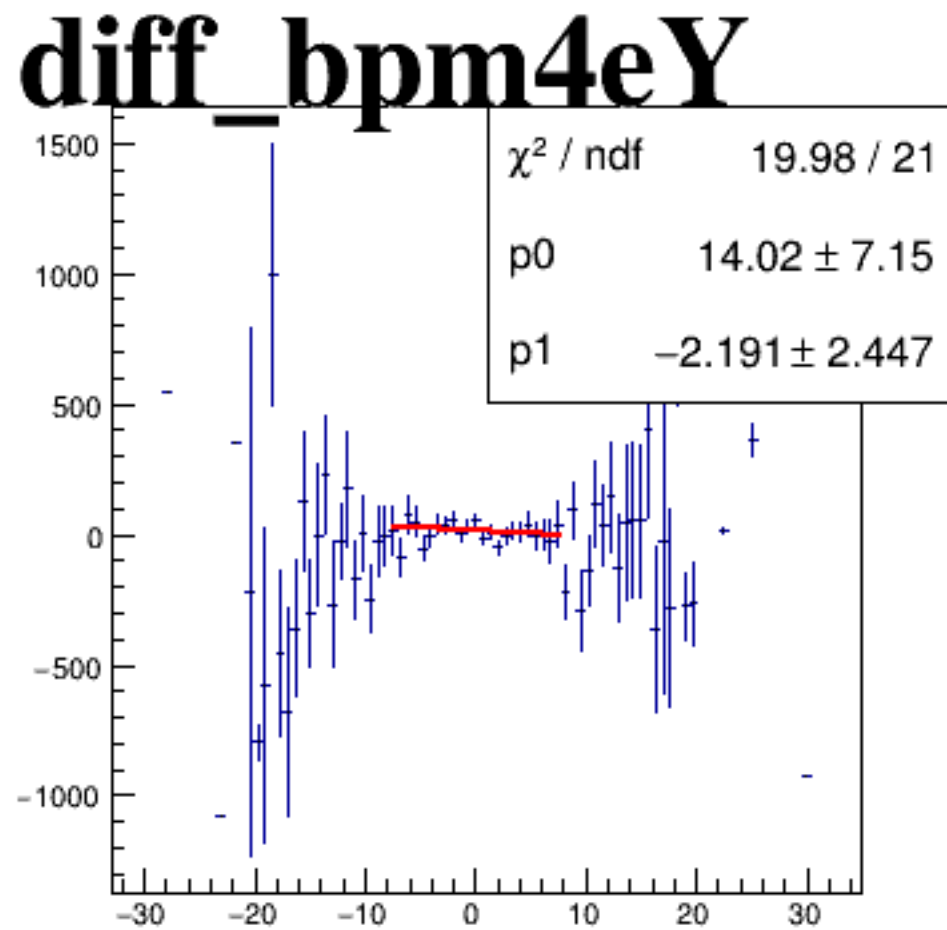
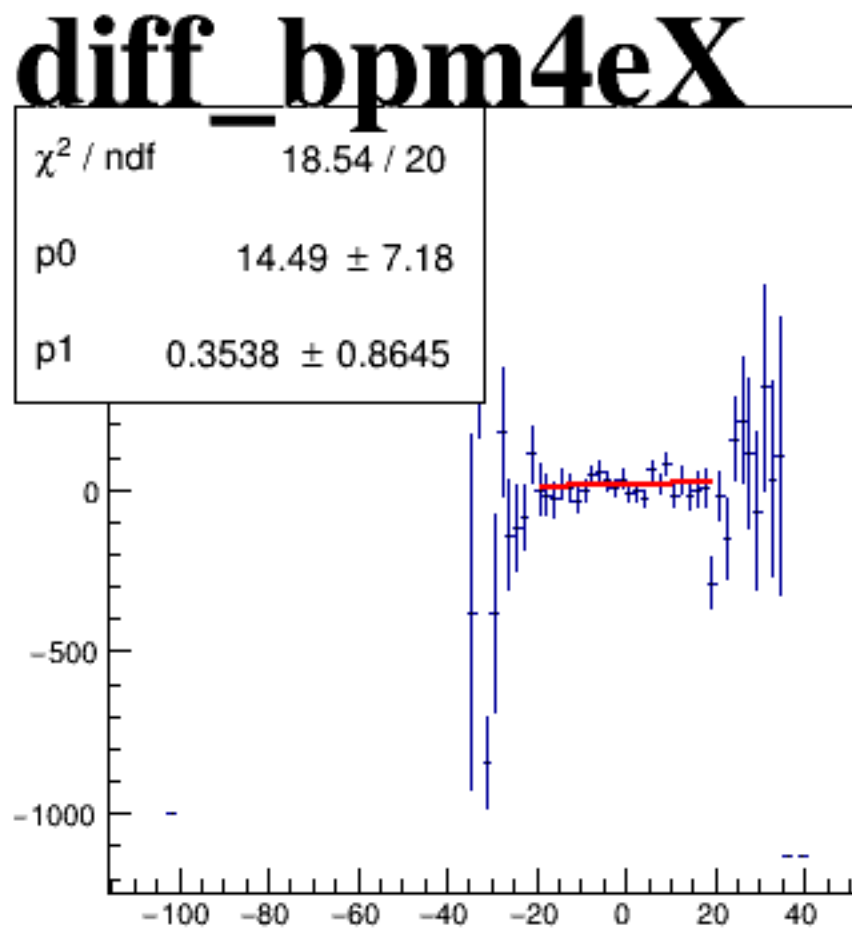
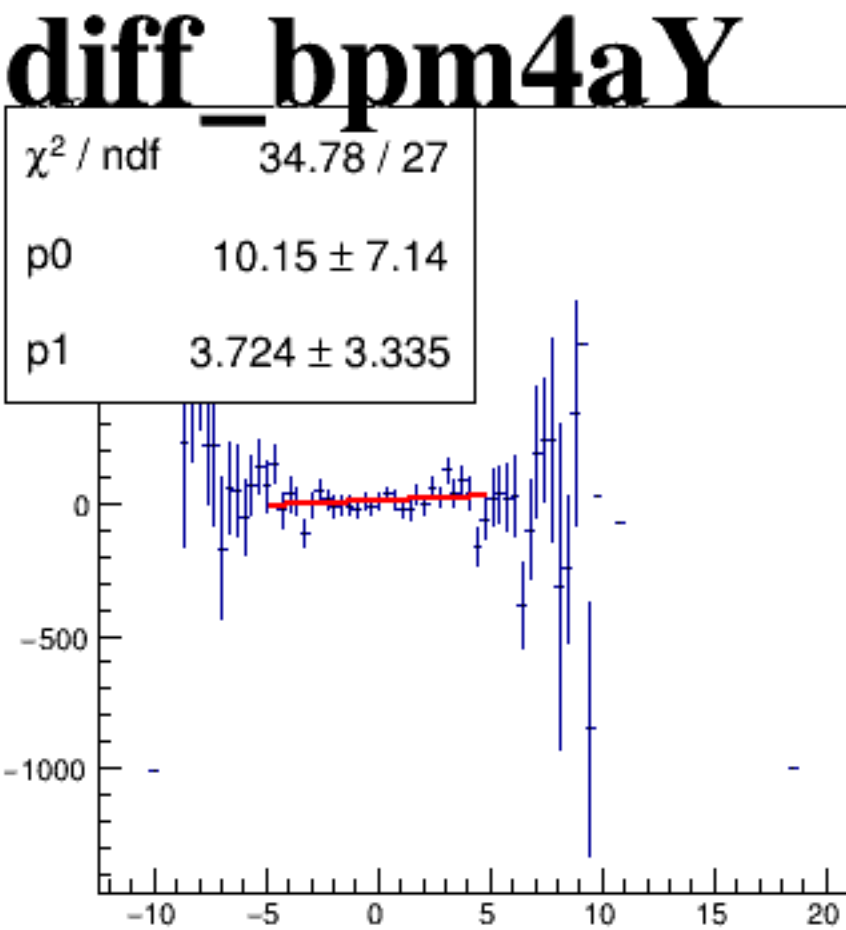
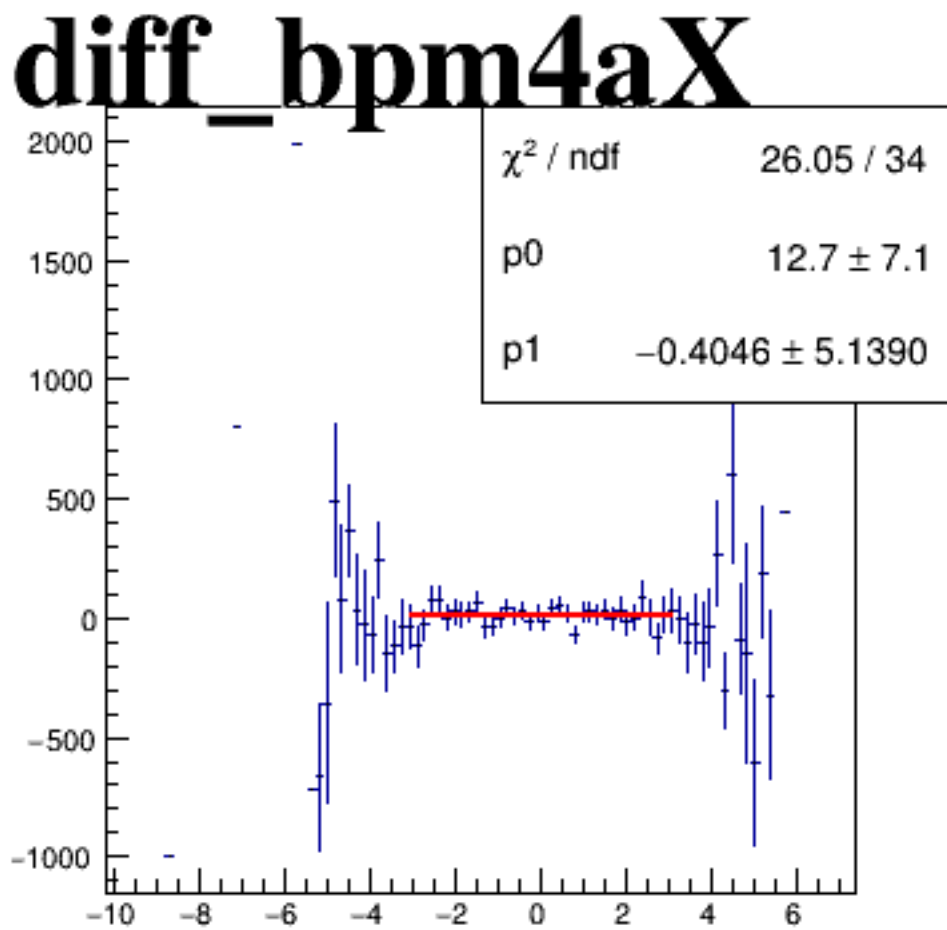
asym_sam8



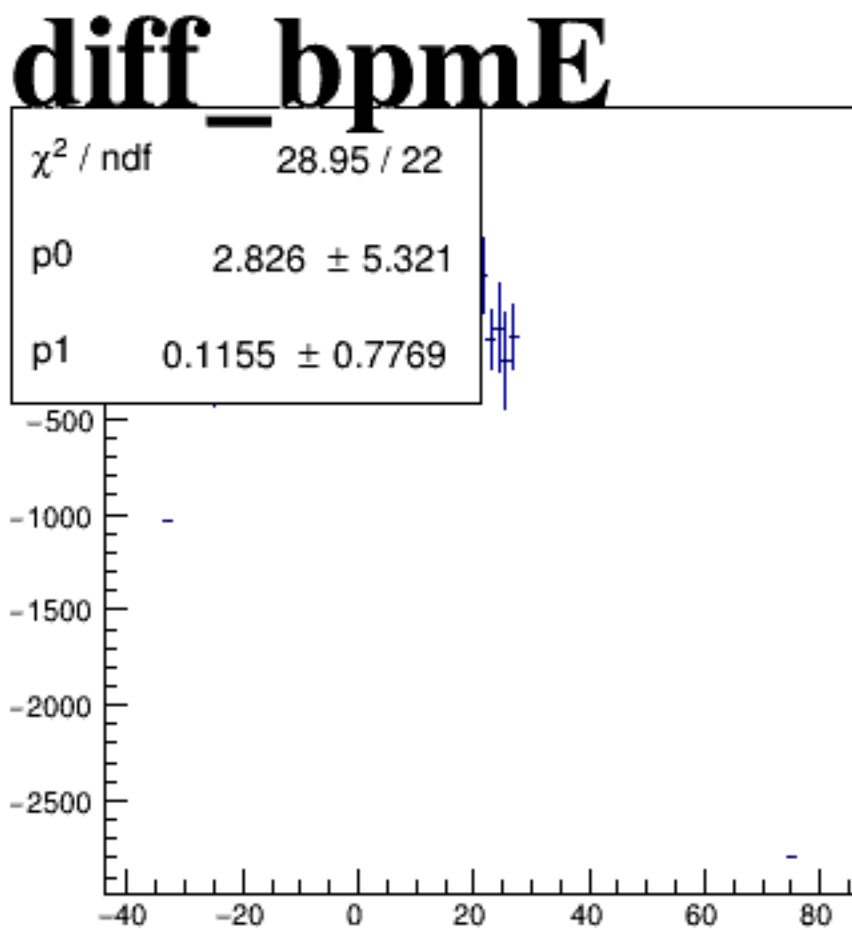
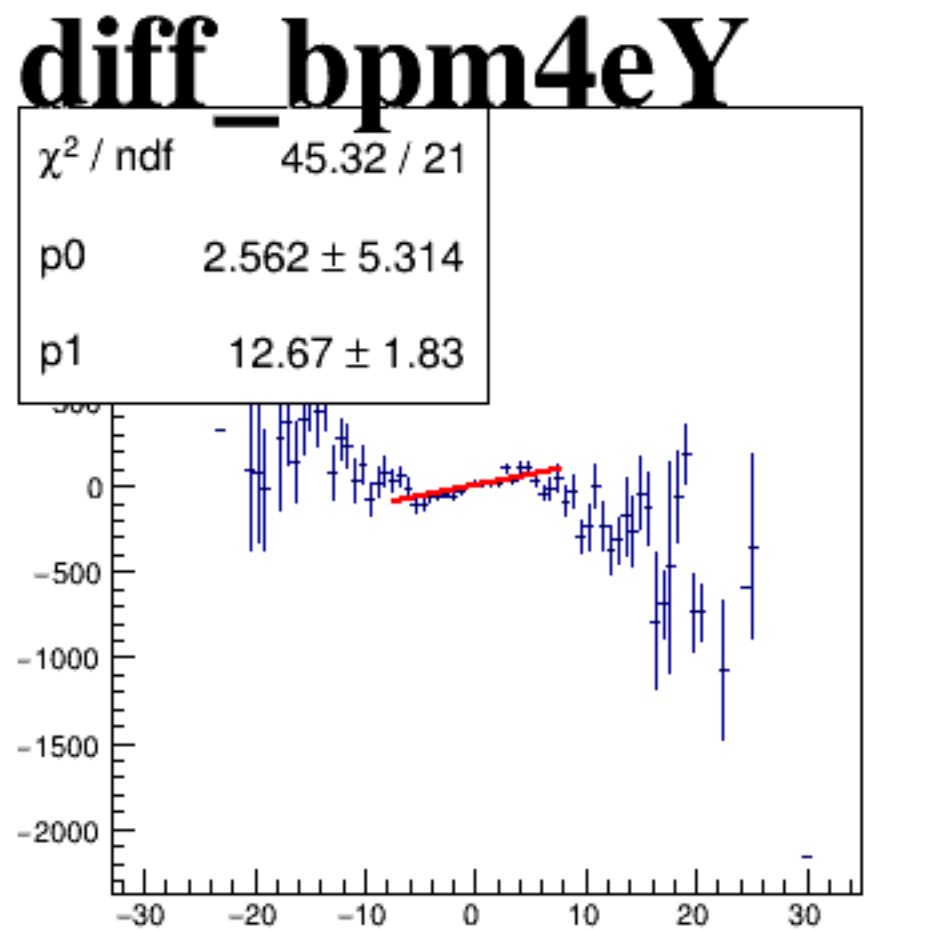
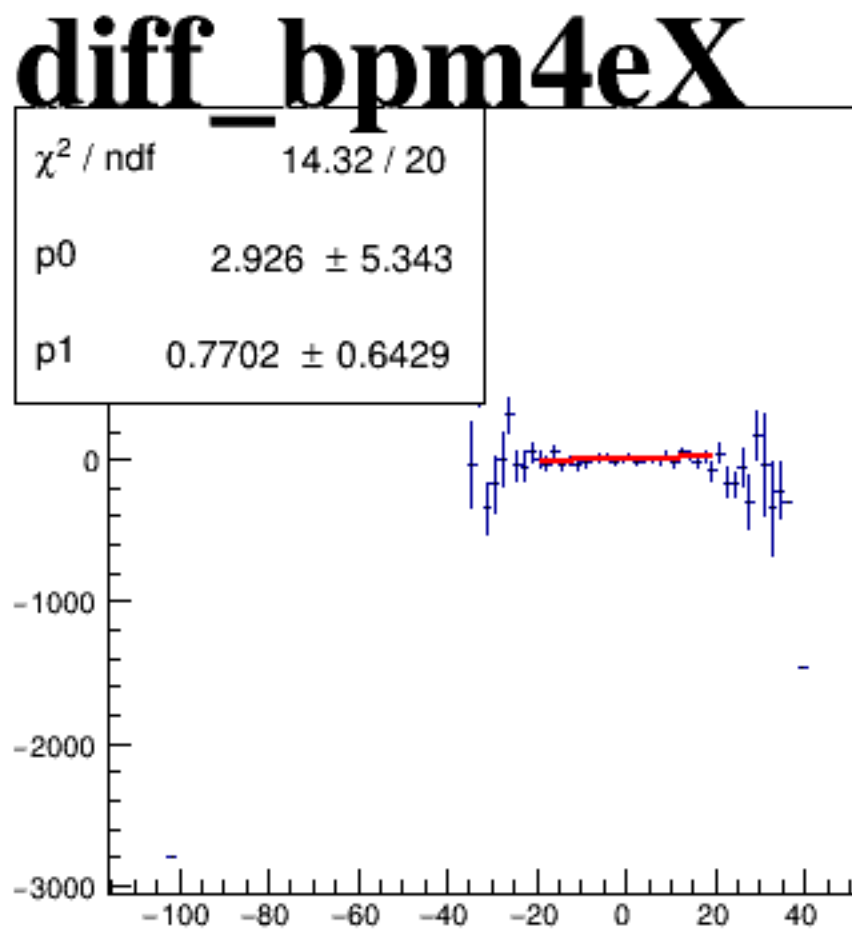
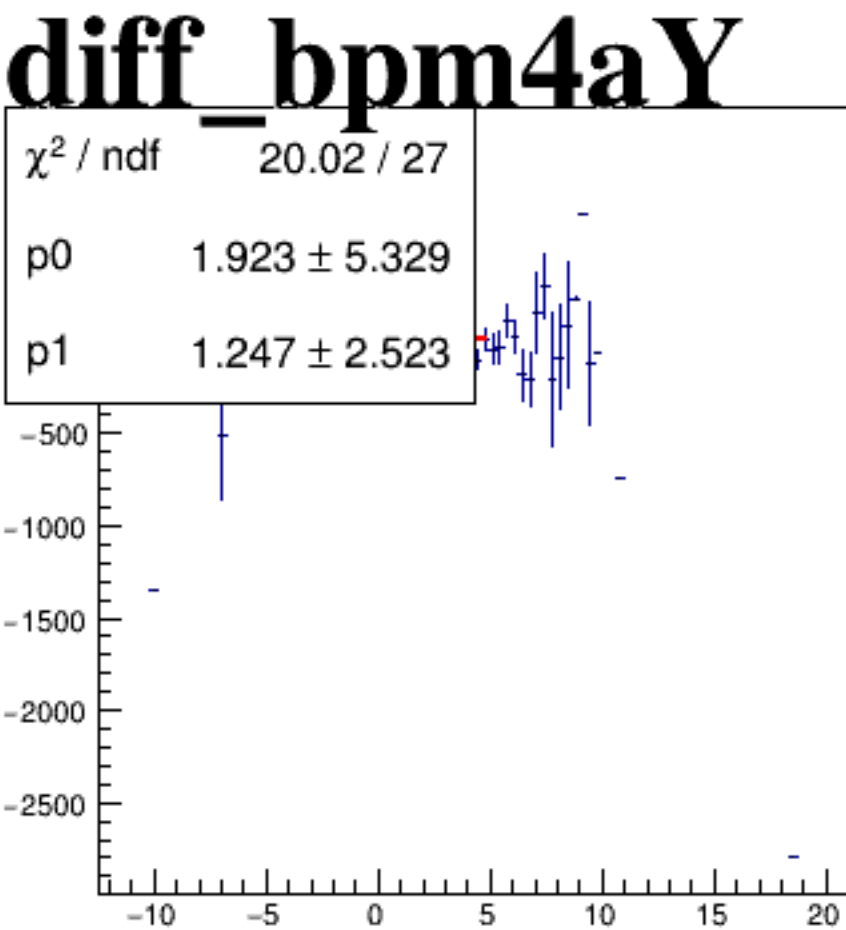
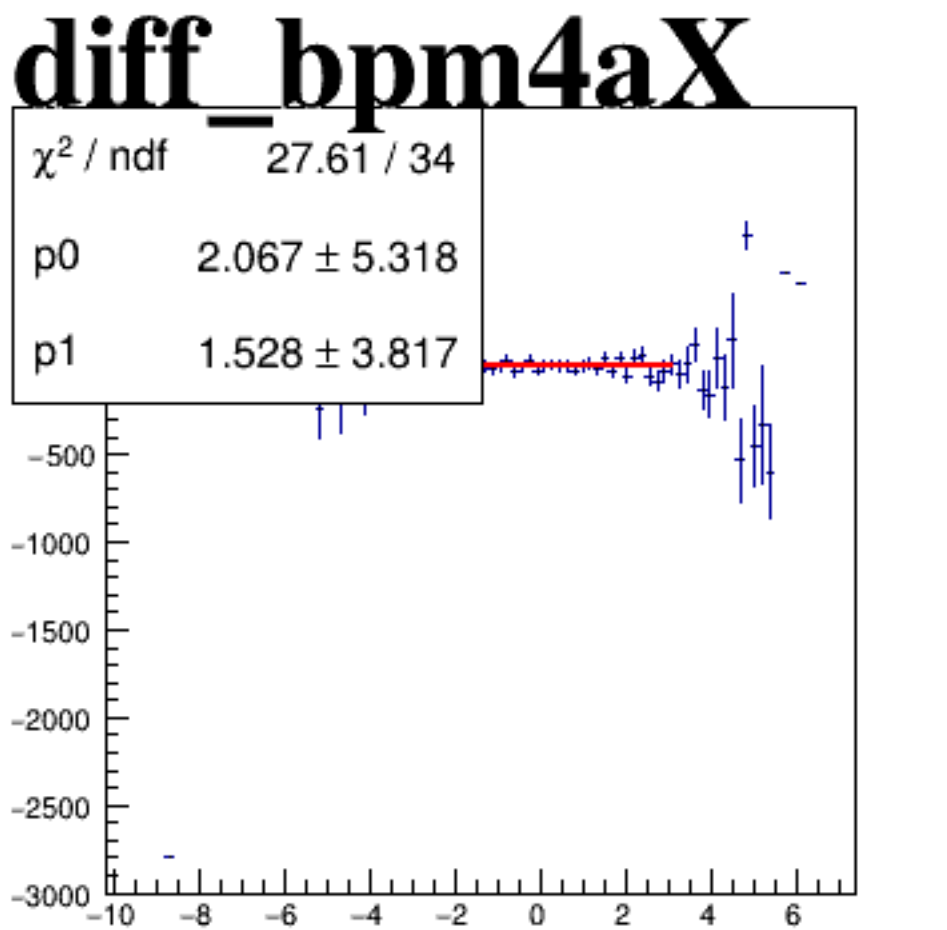
reg_asym_sam2



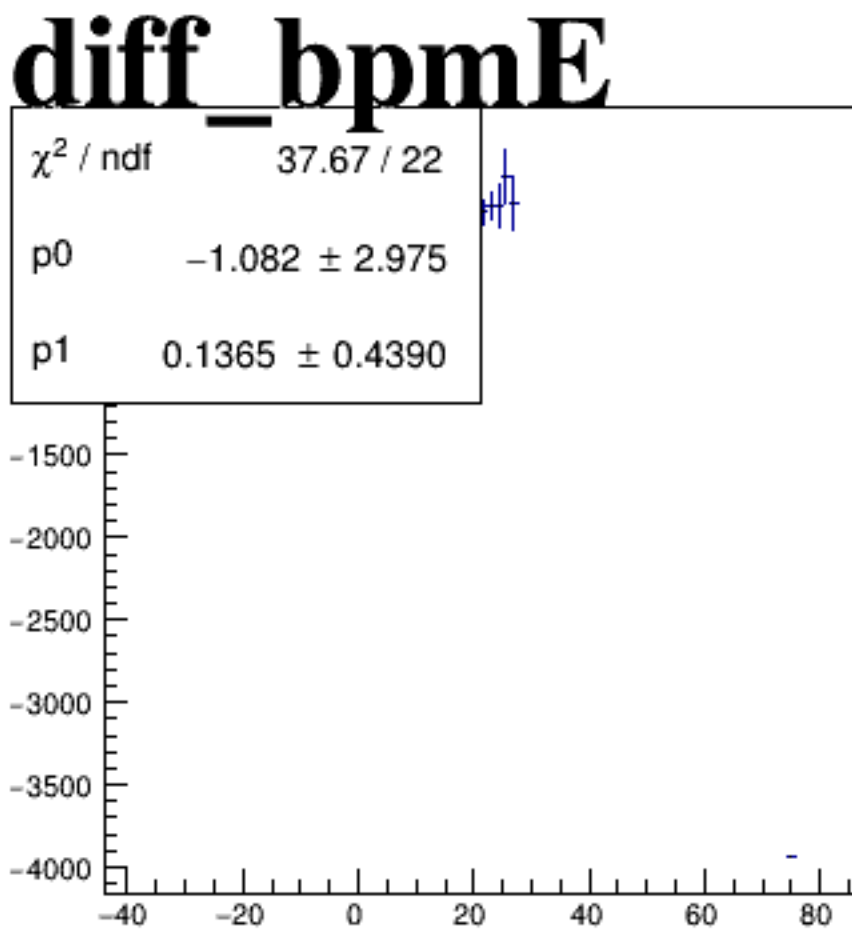
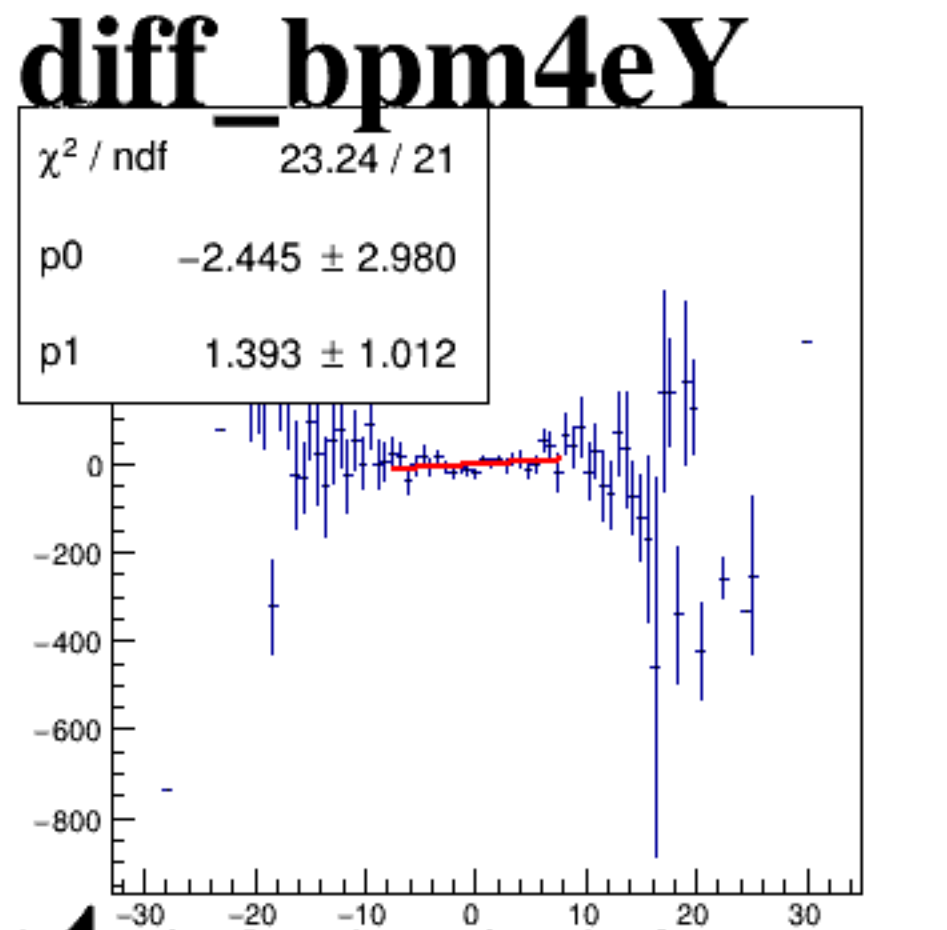
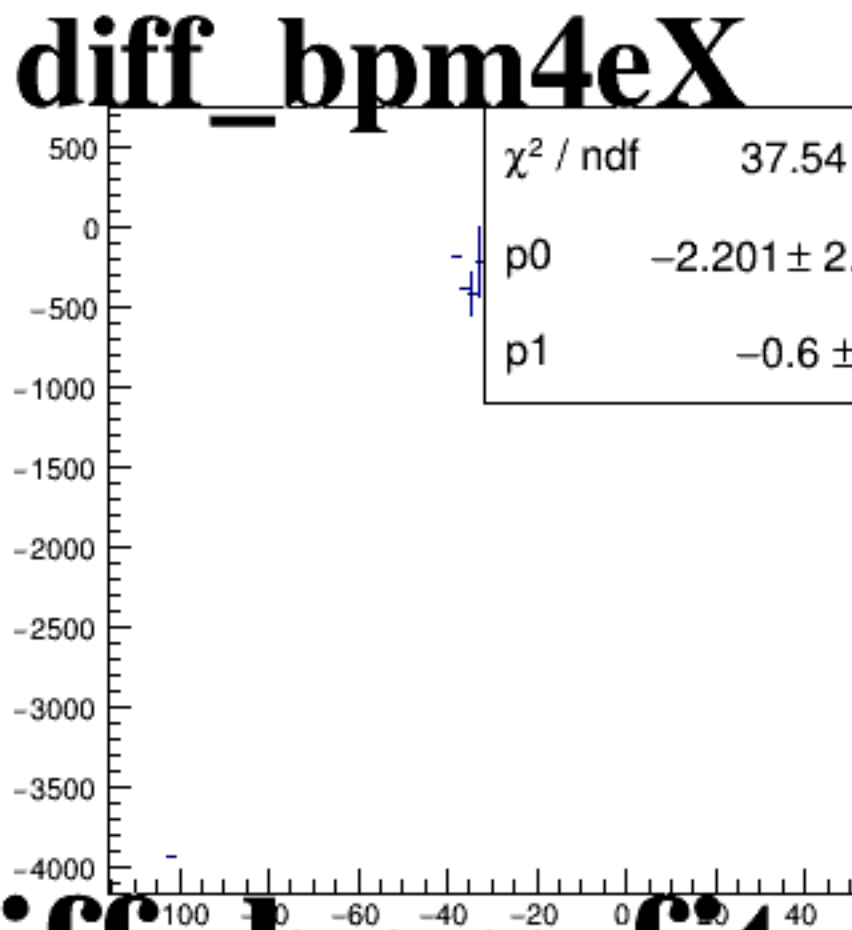
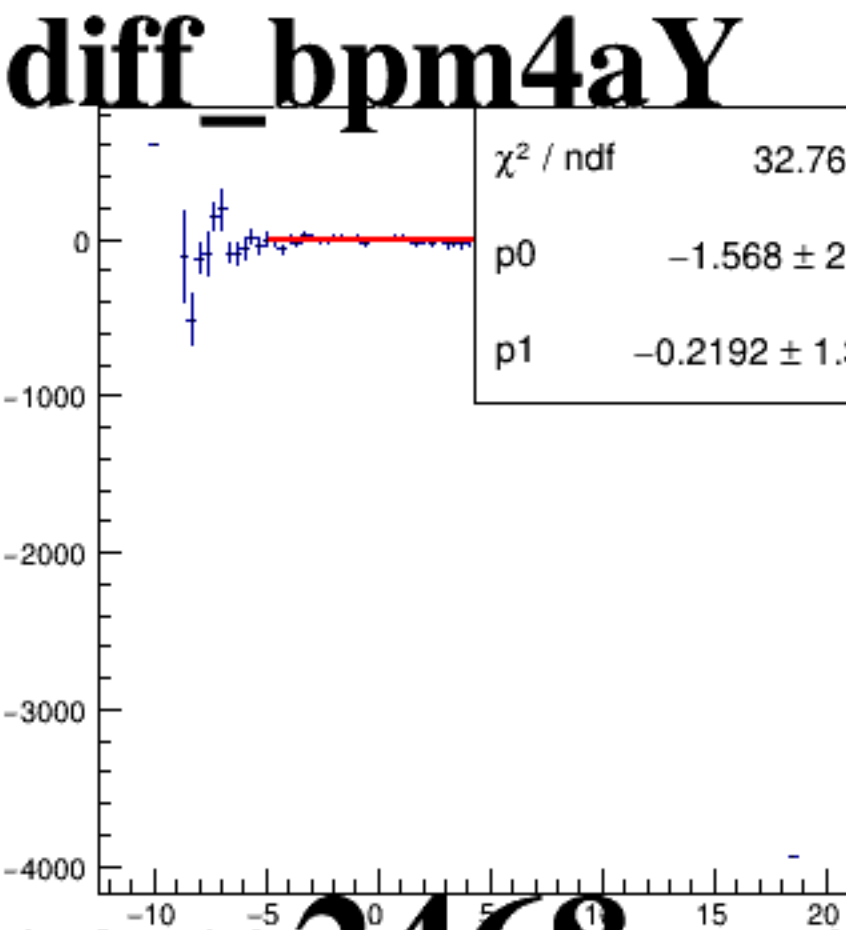
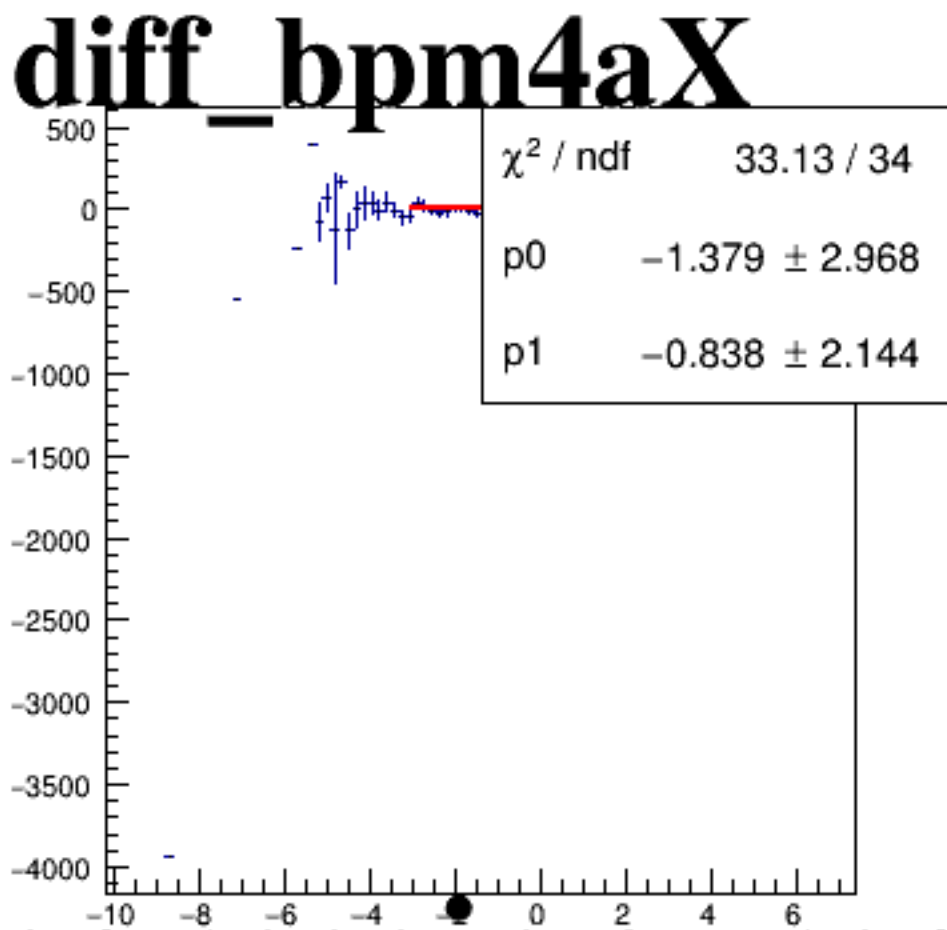
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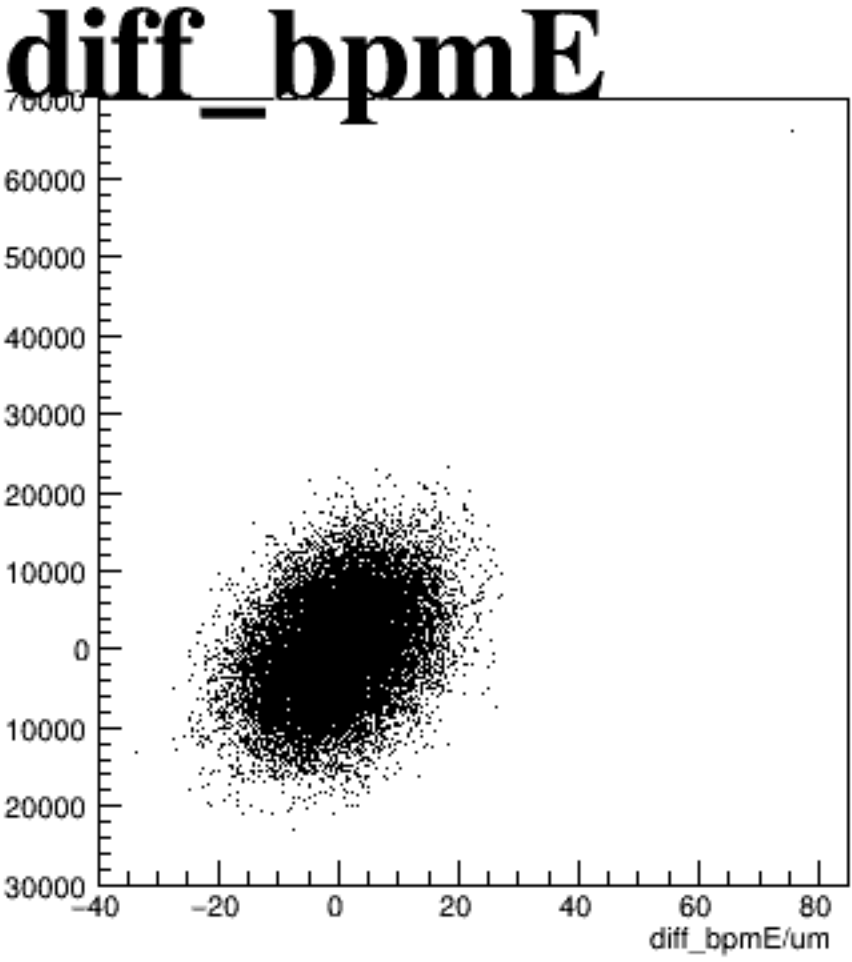
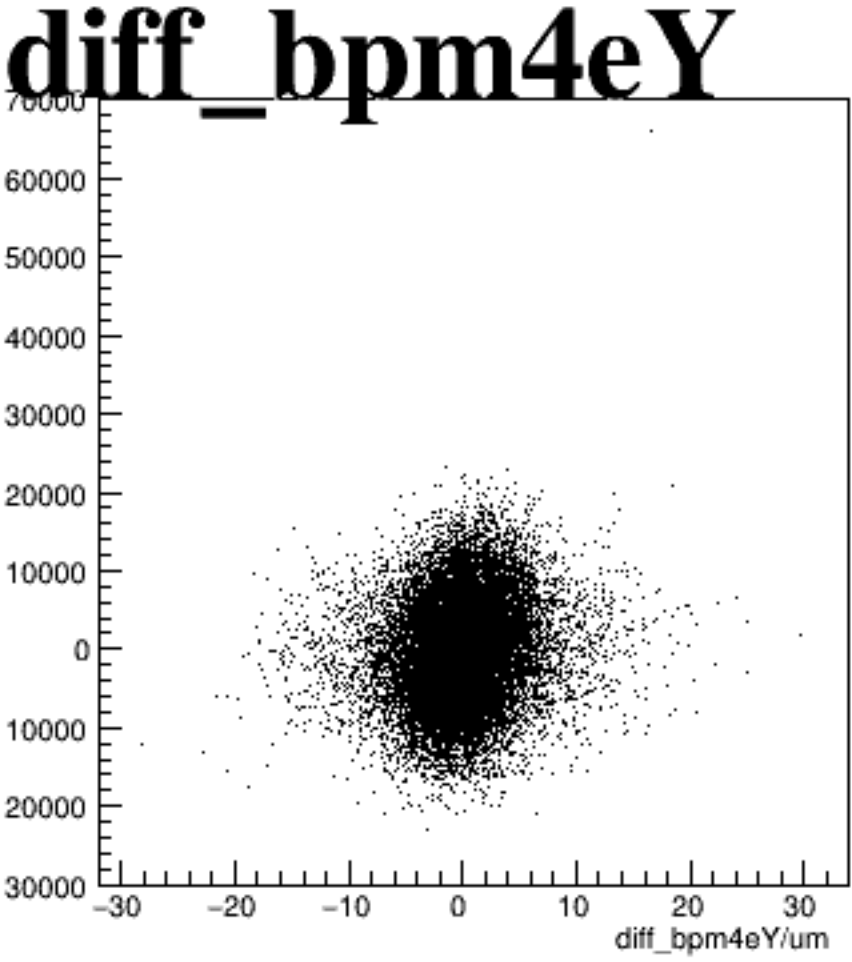
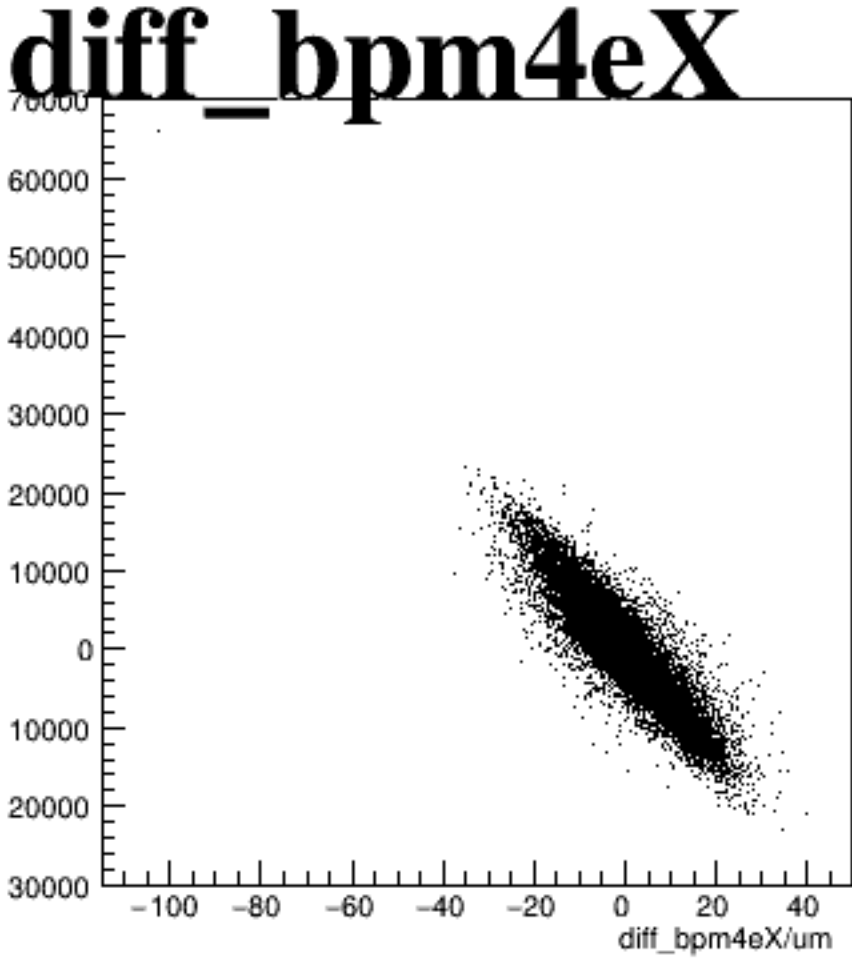
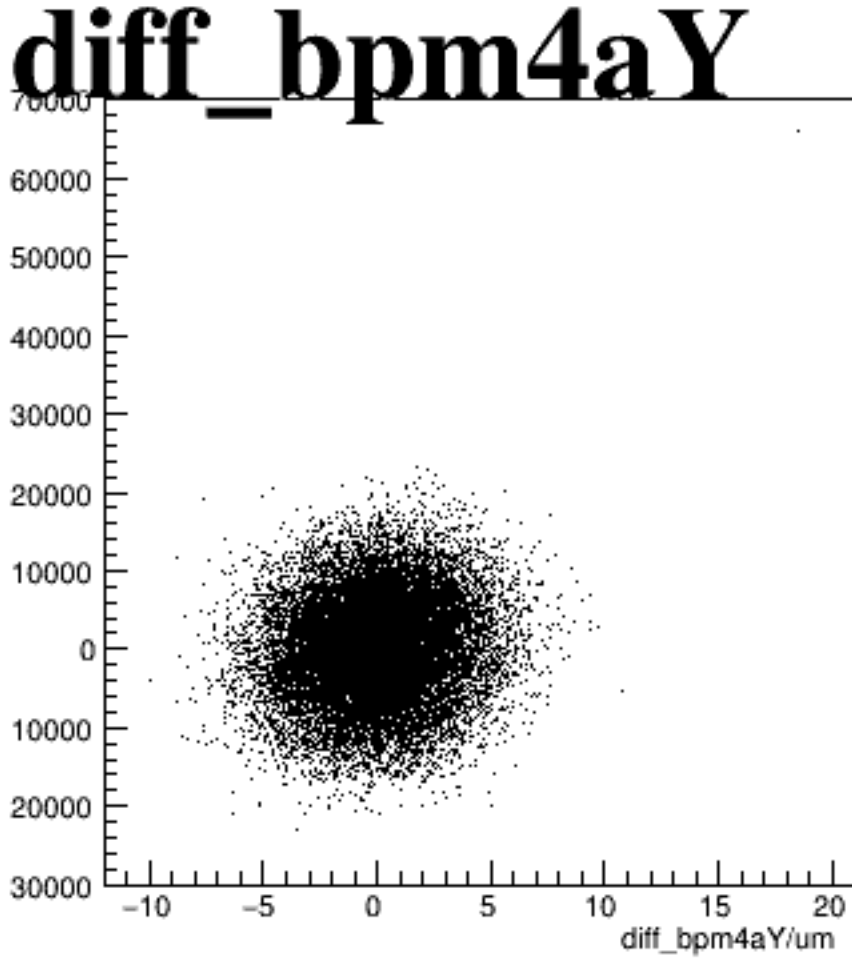
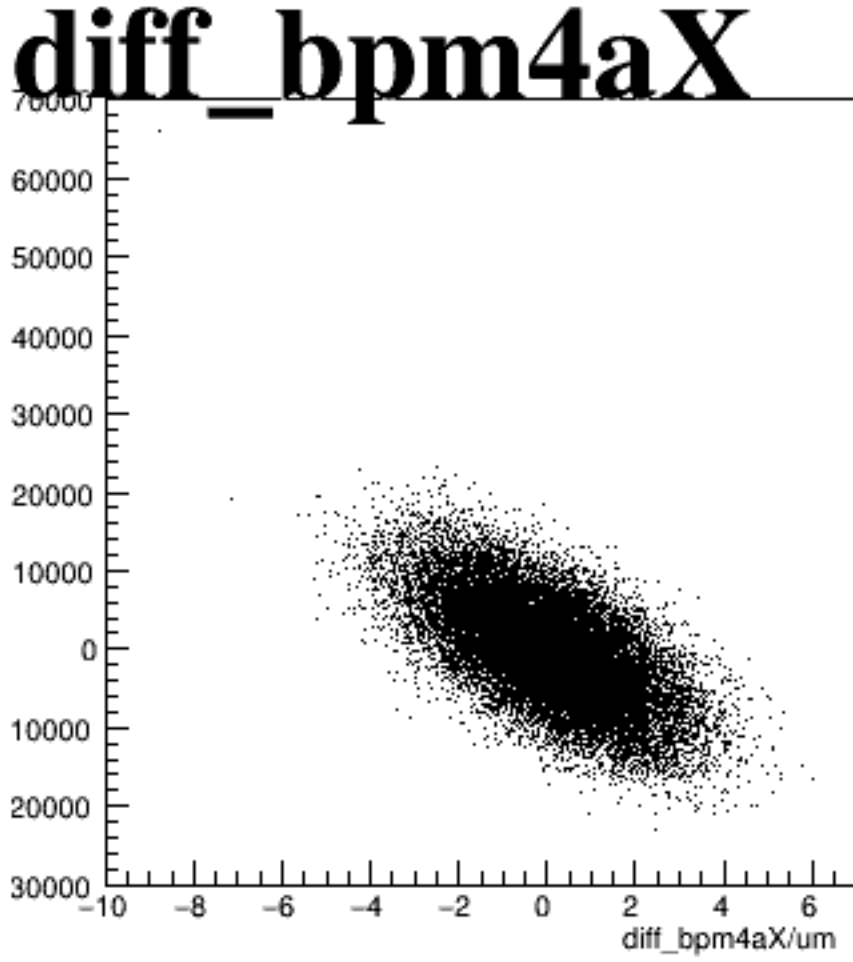
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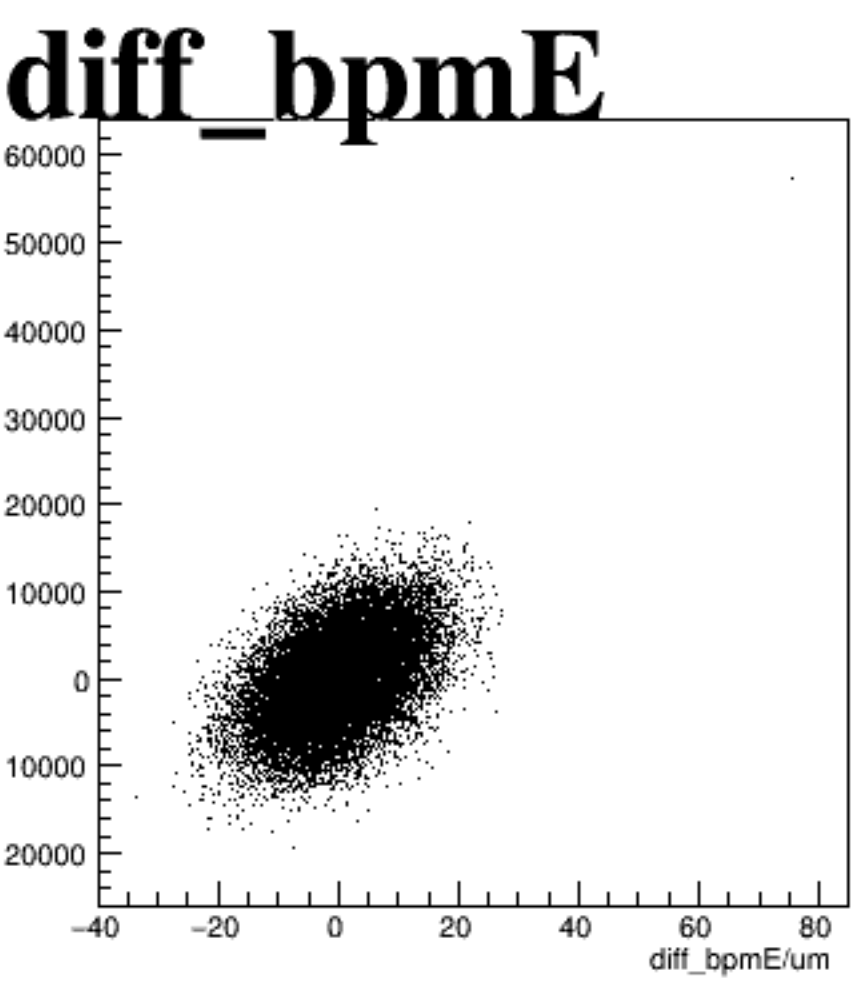
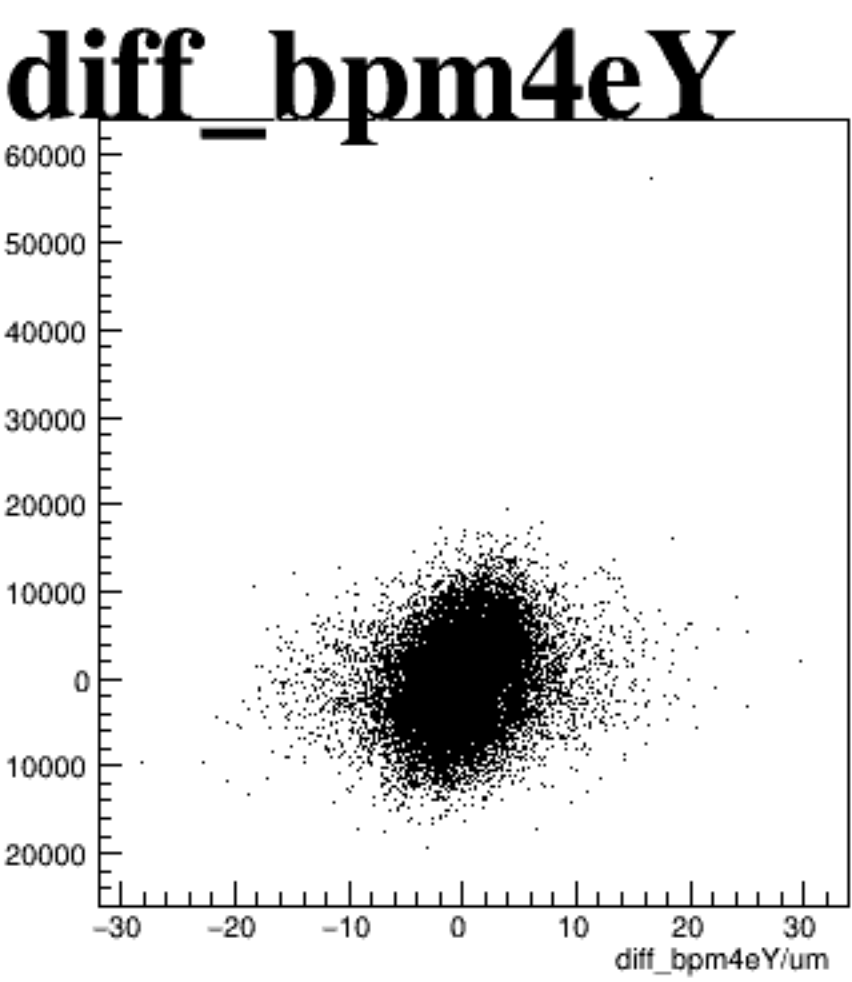
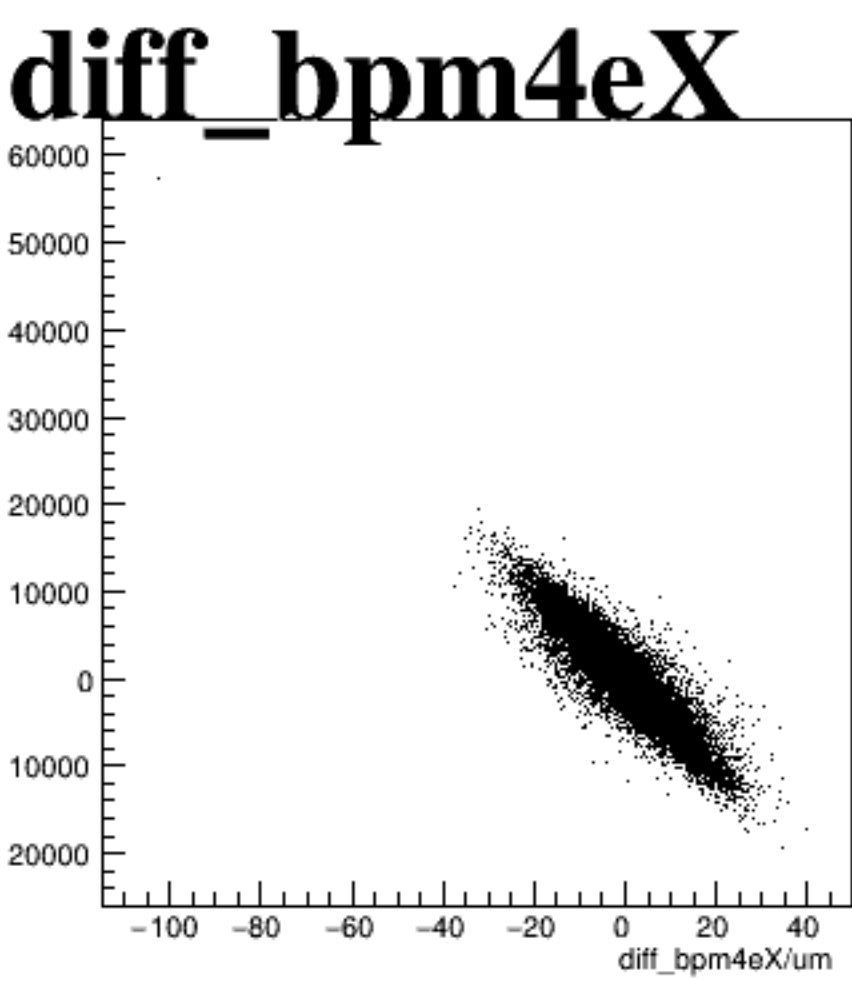
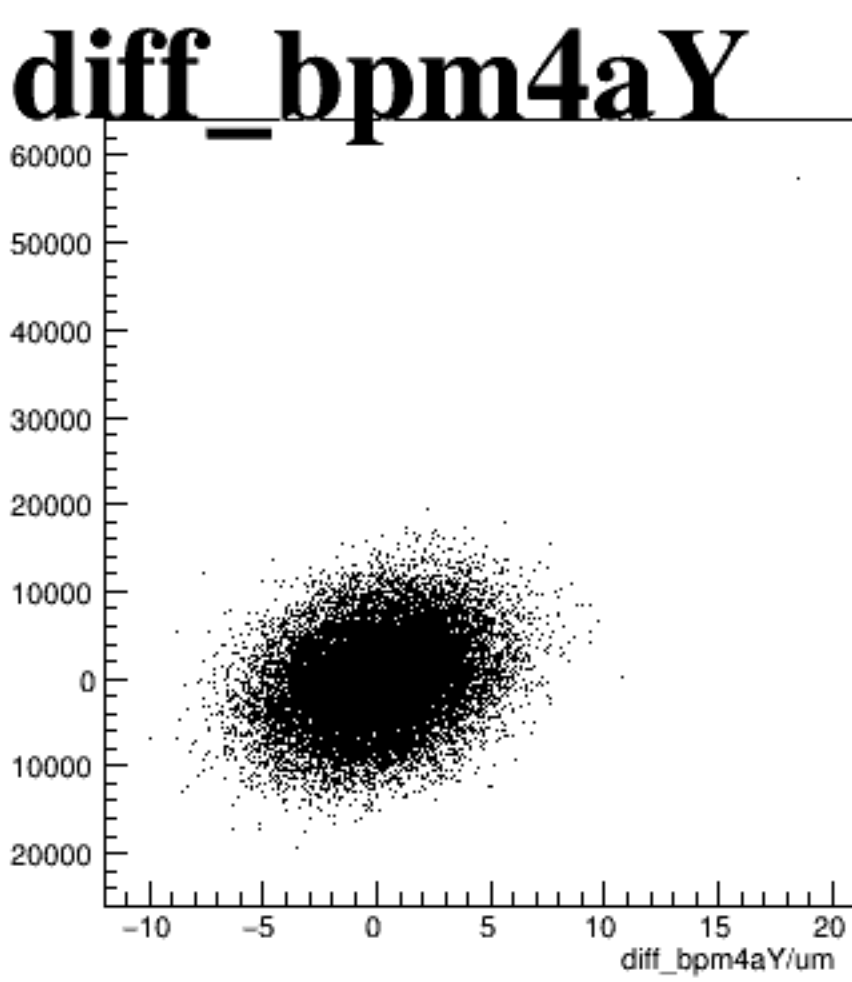
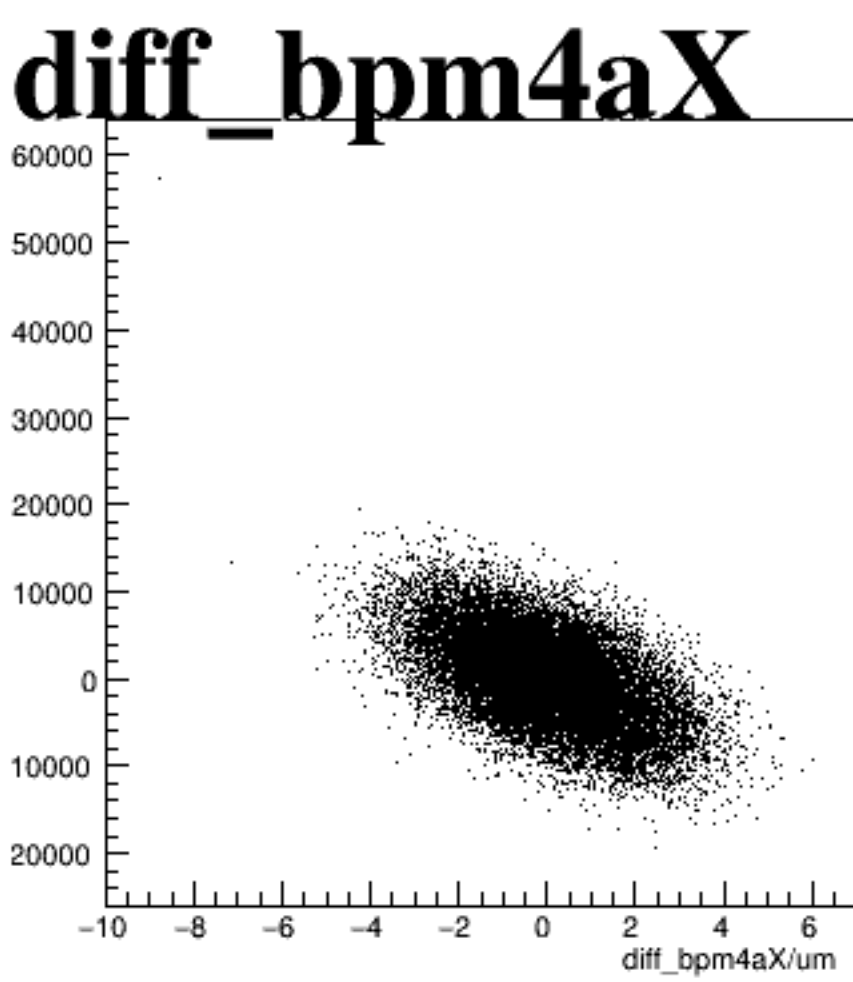
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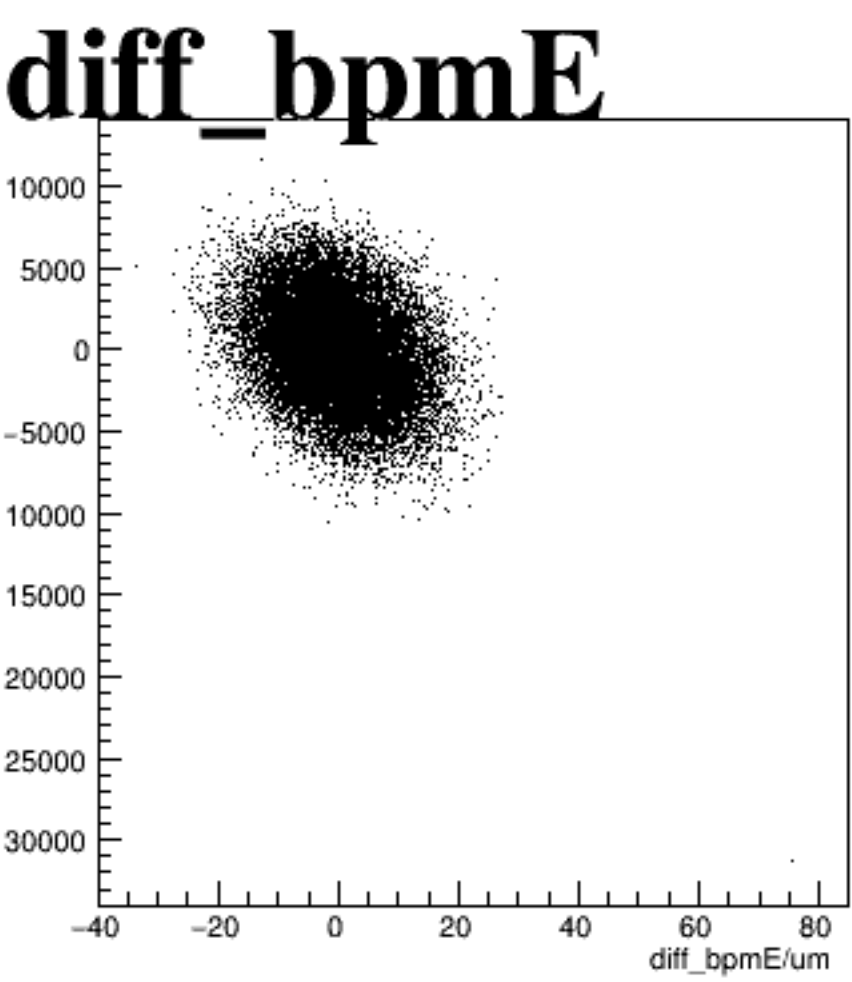
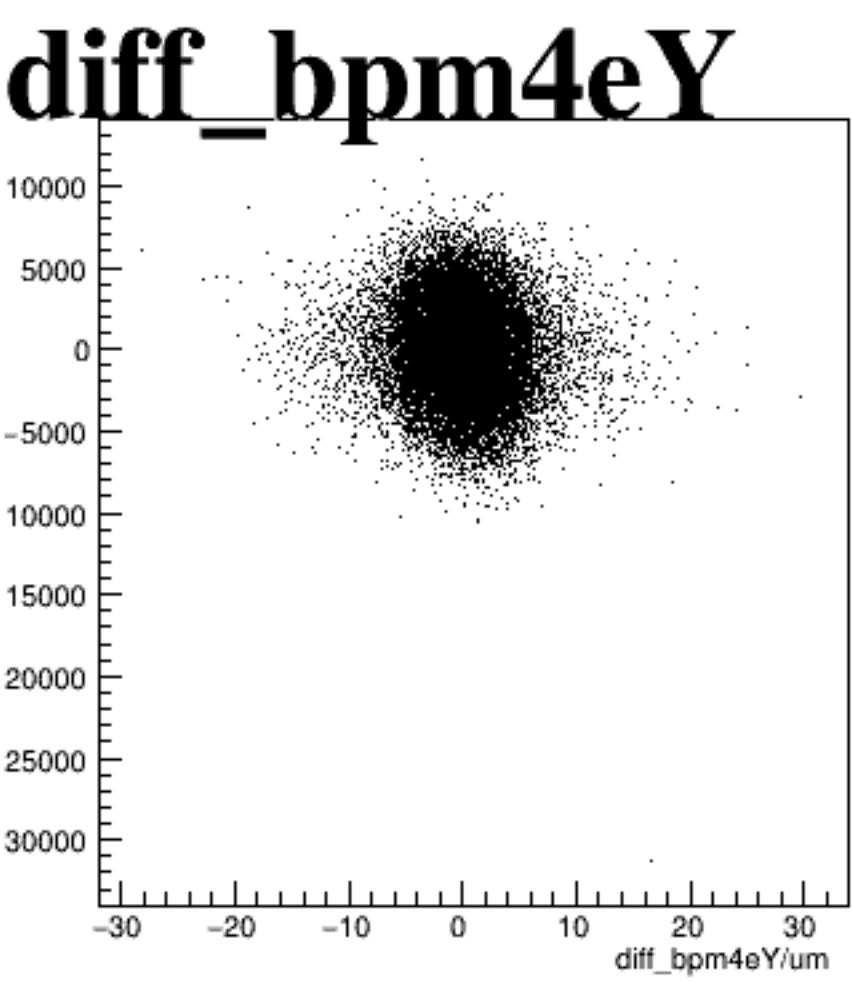
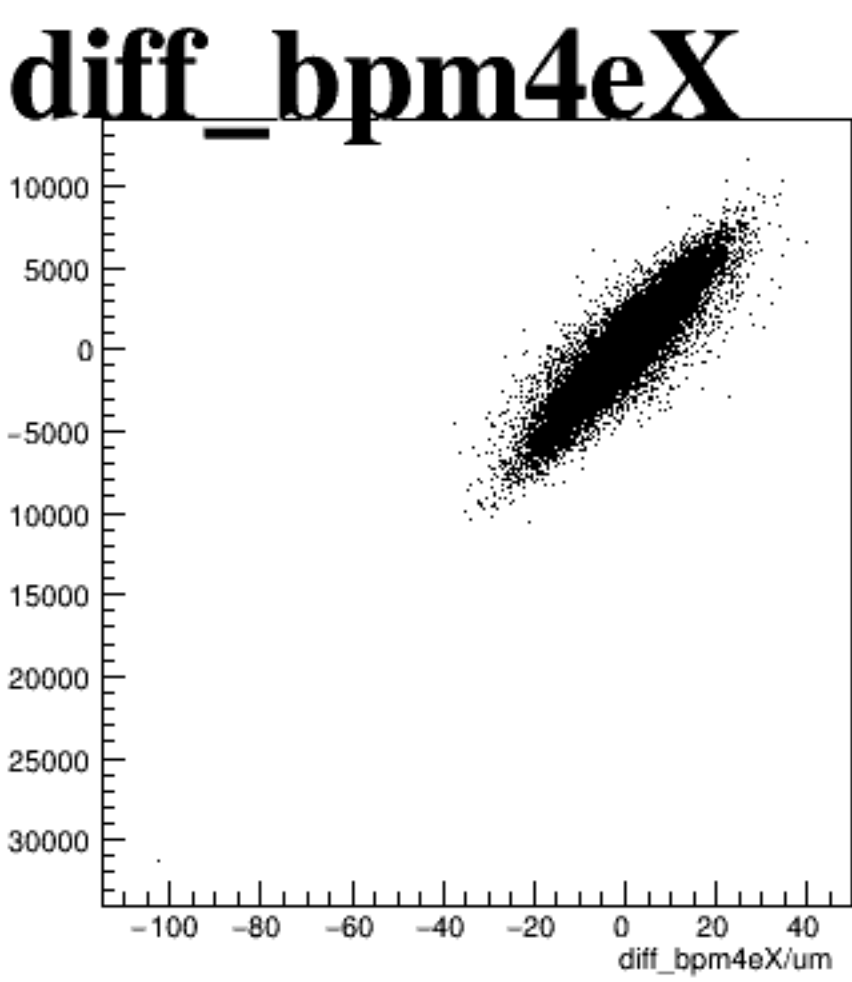
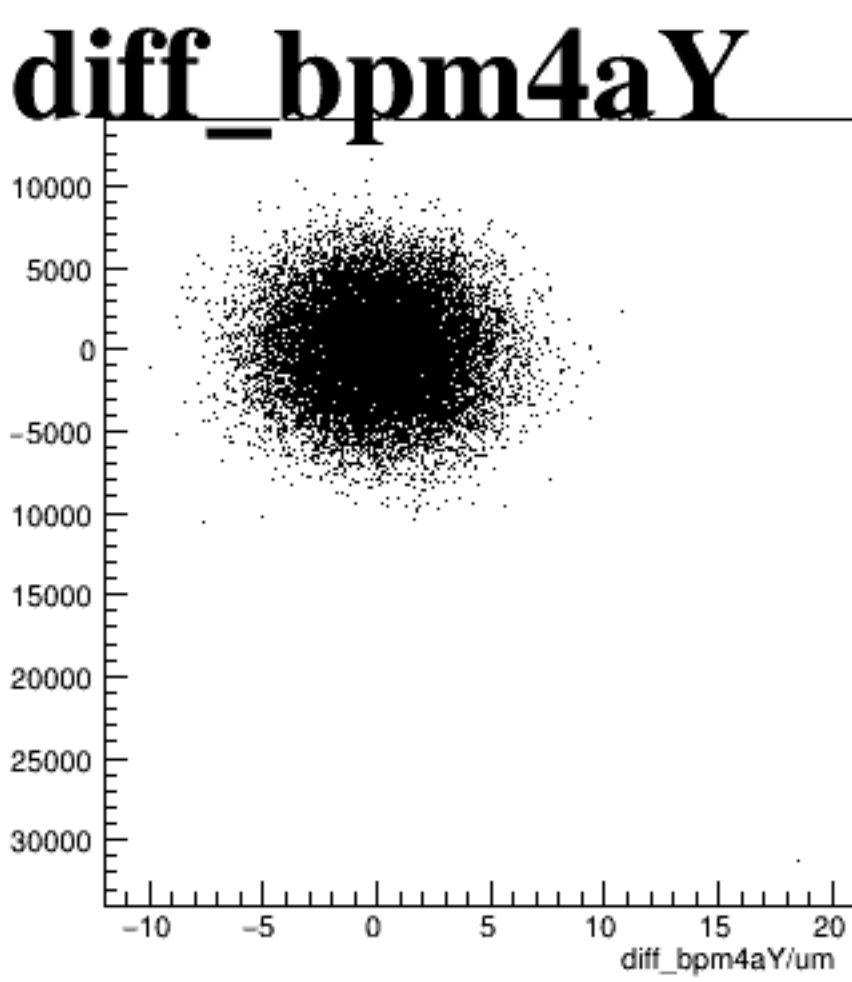
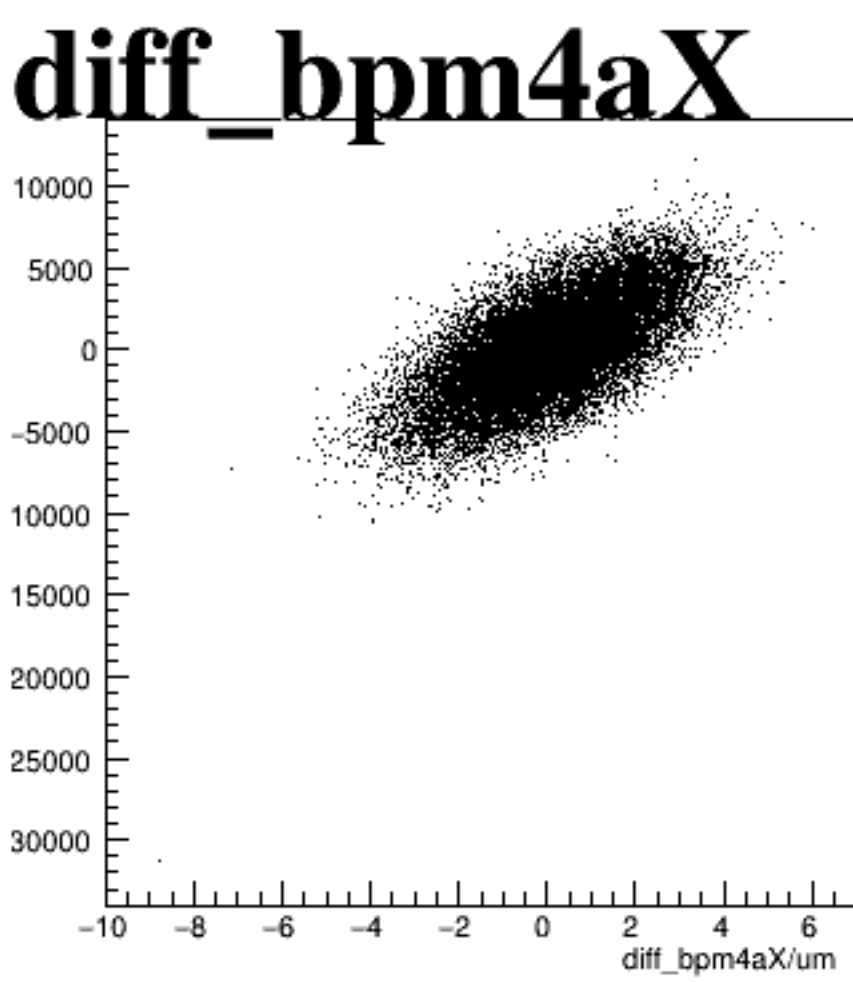
asym_sam2



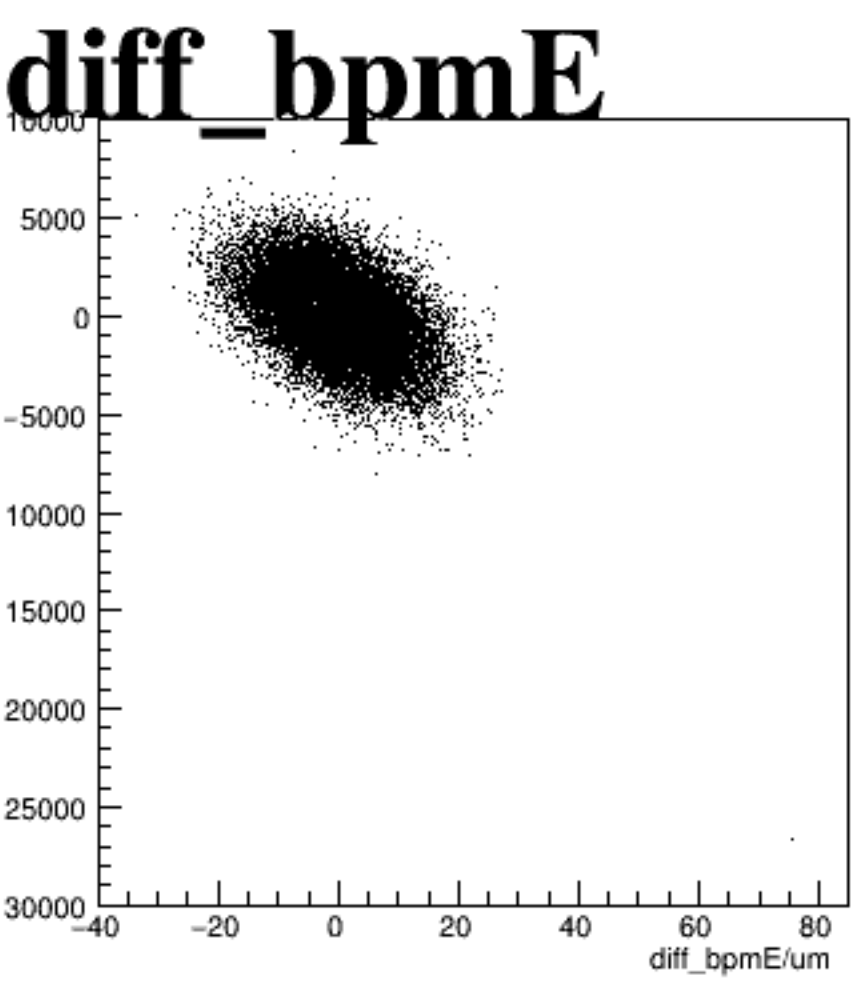
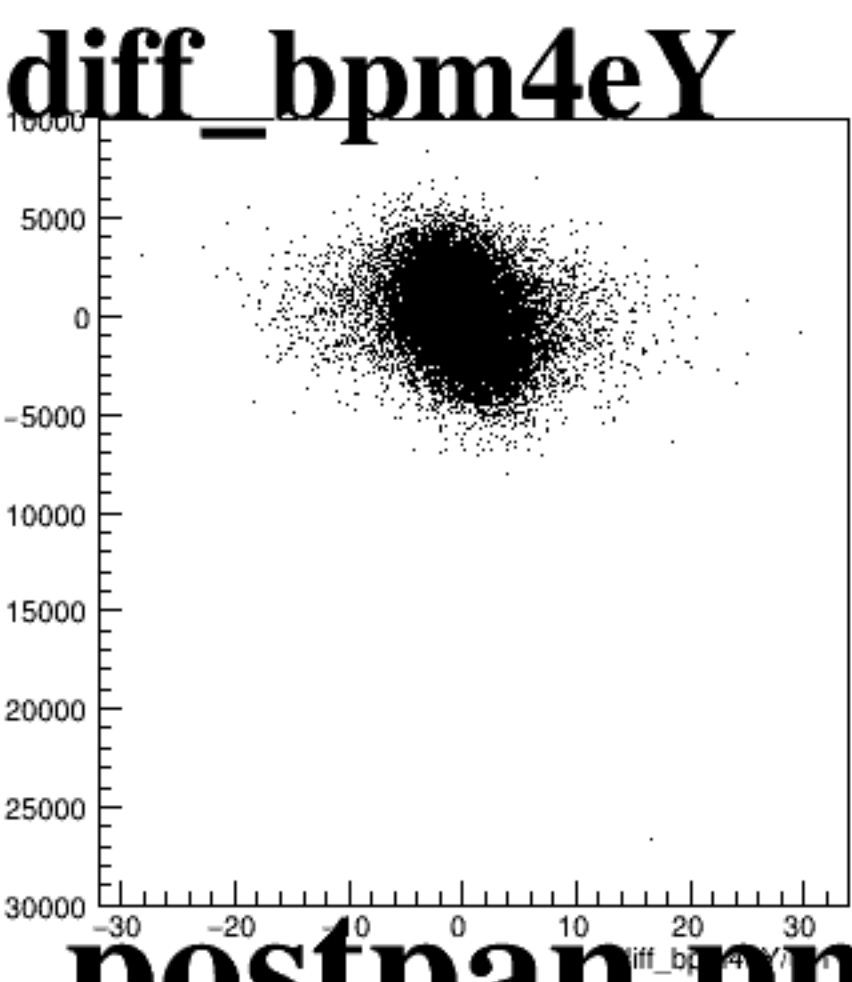
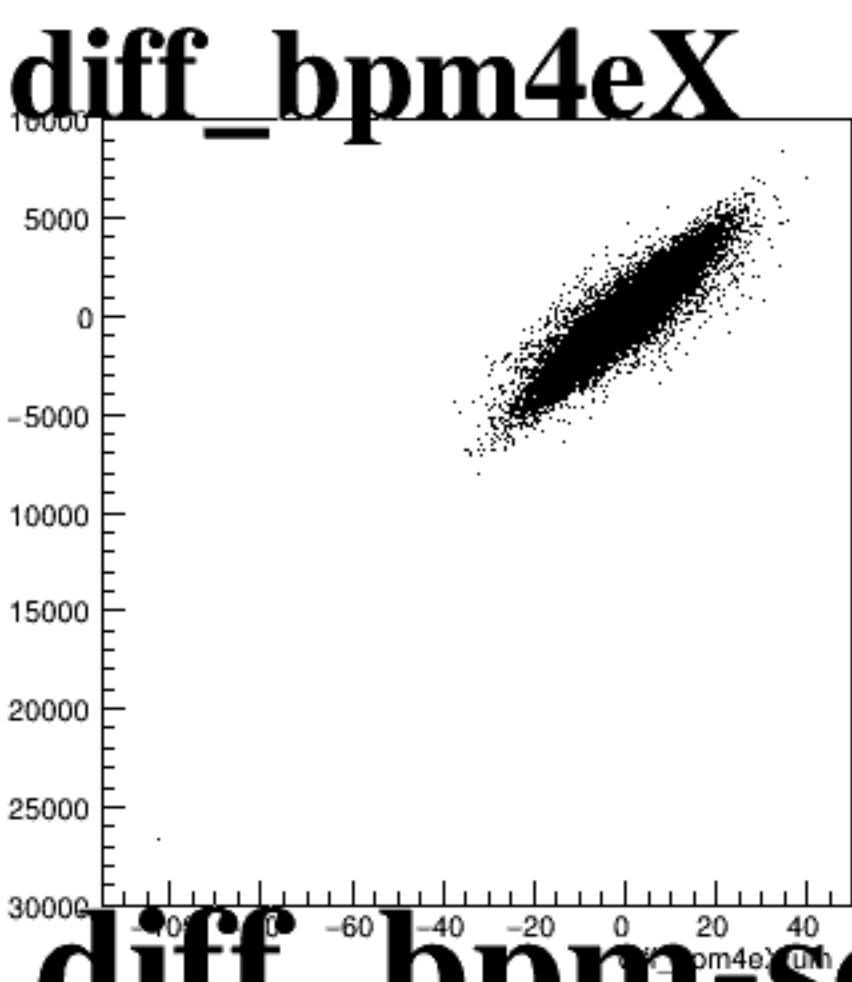
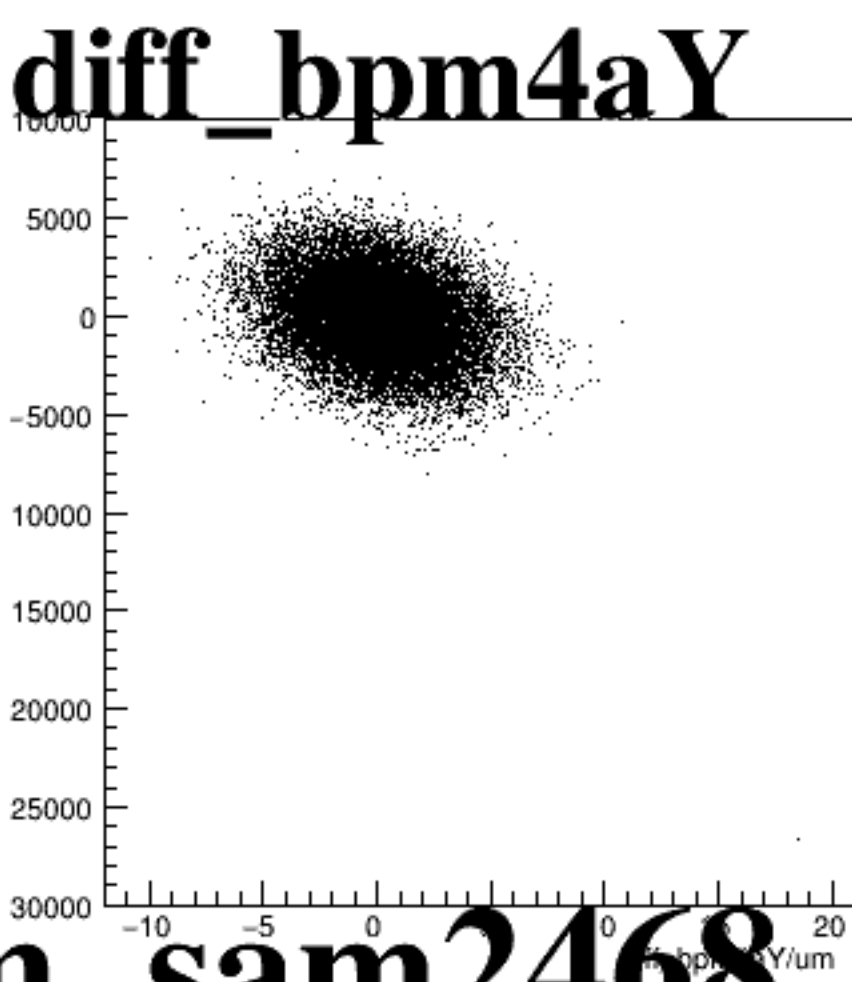
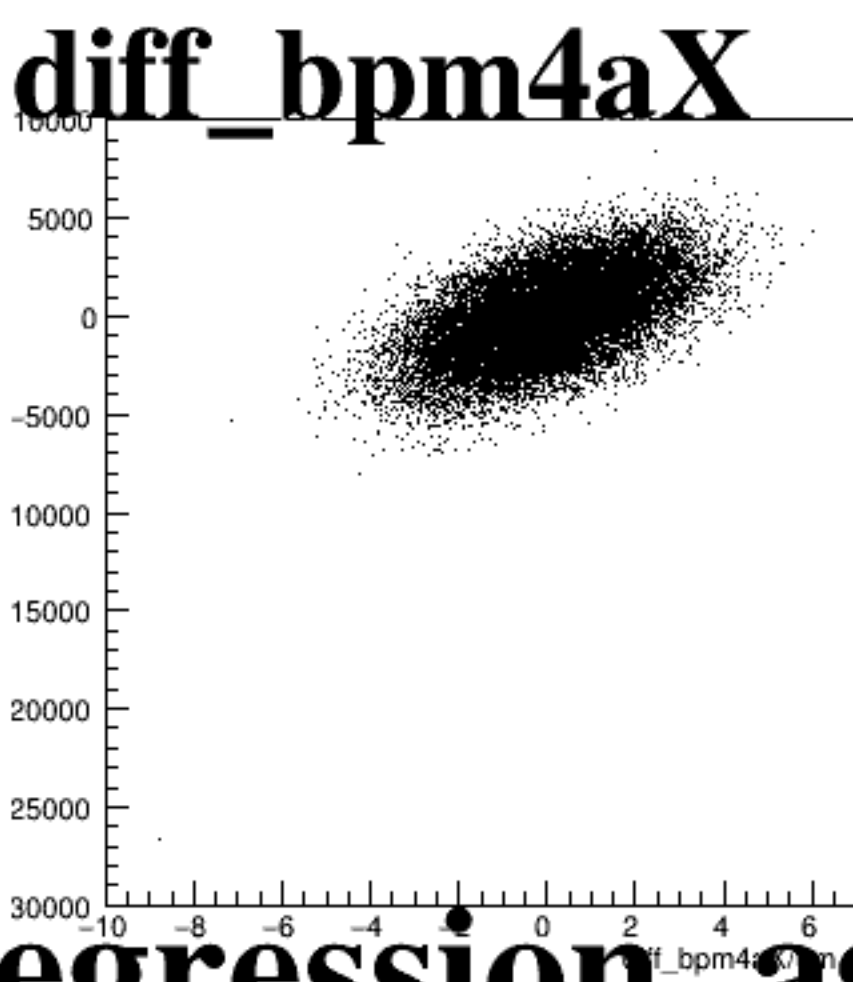
asym_sam4



asym_sam6



asym_sam8

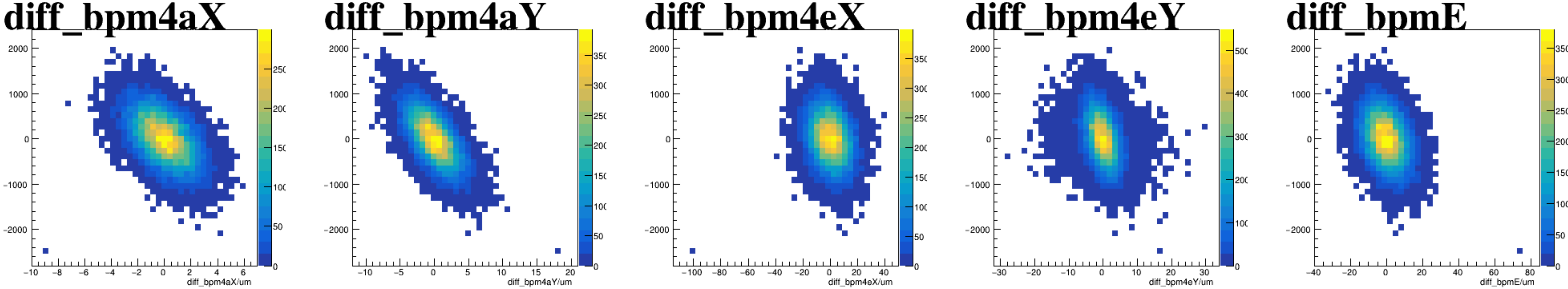


The figure consists of five scatter plots arranged horizontally, each showing the distribution of differences in BPM parameters for four different beam parameters. The plots are titled as follows:

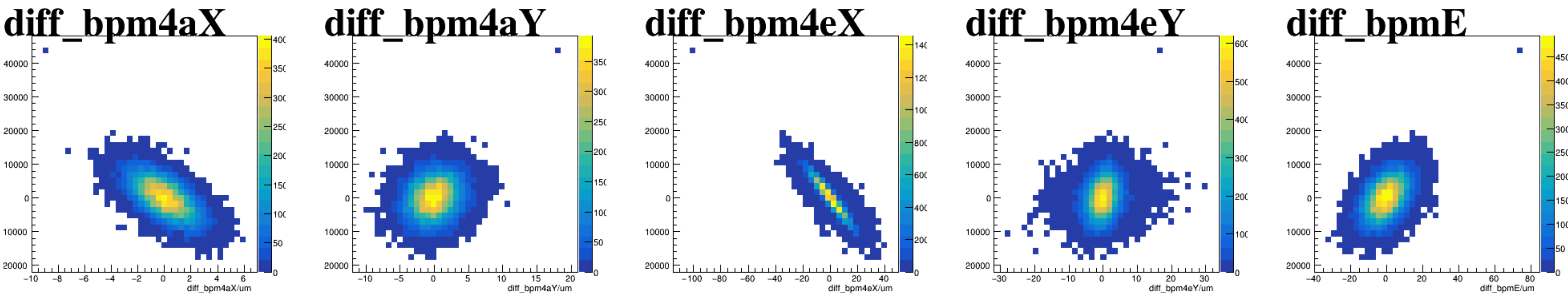
- diff_bpm4aX**: The x-axis is labeled `diff_bpm4aX/um` and ranges from -10 to 6. The y-axis ranges from -6000 to 6000.
- diff_bpm4aY**: The x-axis is labeled `diff_bpm4aY/um` and ranges from -10 to 20. The y-axis ranges from -6000 to 6000.
- diff_bpm4eX**: The x-axis is labeled `diff_bpm4eX/um` and ranges from -100 to 40. The y-axis ranges from -6000 to 6000.
- diff_bpm4eY**: The x-axis is labeled `diff_bpm4eY/um` and ranges from -30 to 30. The y-axis ranges from -6000 to 6000.
- diff_bpmE**: The x-axis is labeled `diff_bpmE/um` and ranges from -40 to 80. The y-axis ranges from -6000 to 6000.

In all plots, the data points are densely clustered around the origin (0,0), indicating that the differences are small and randomly distributed. The x-axis scales vary significantly between the plots, reflecting the different ranges of the parameters being compared.

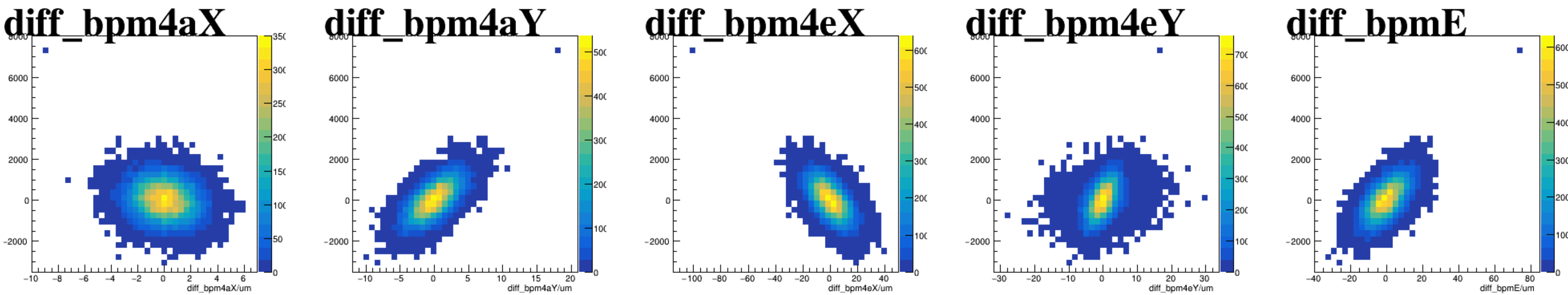
asym_sam1



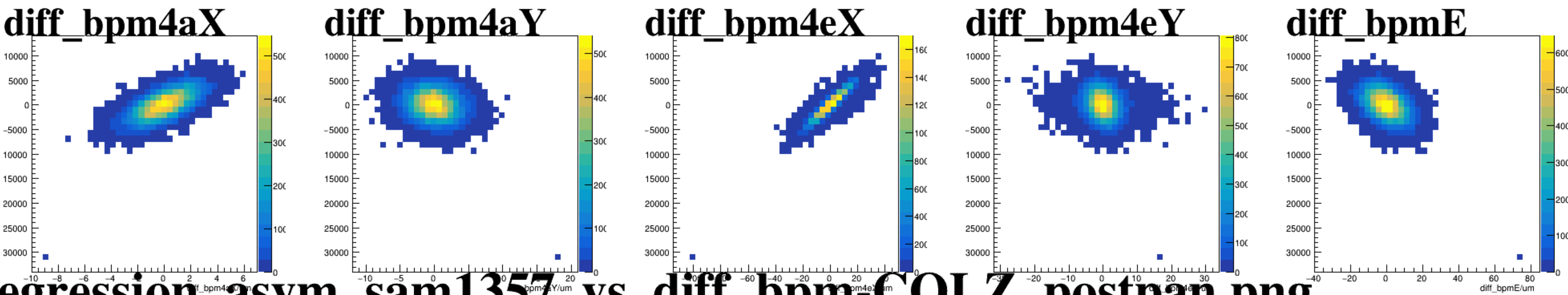
asym_sam3



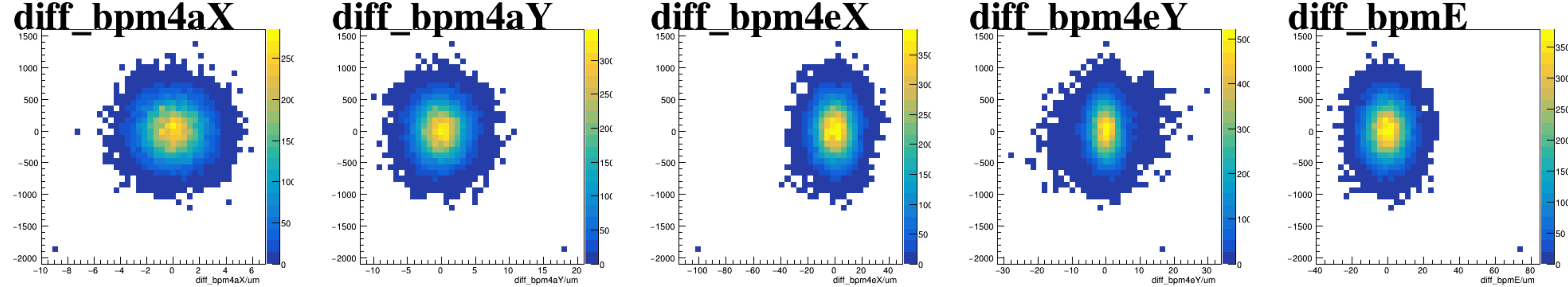
asym_sam5



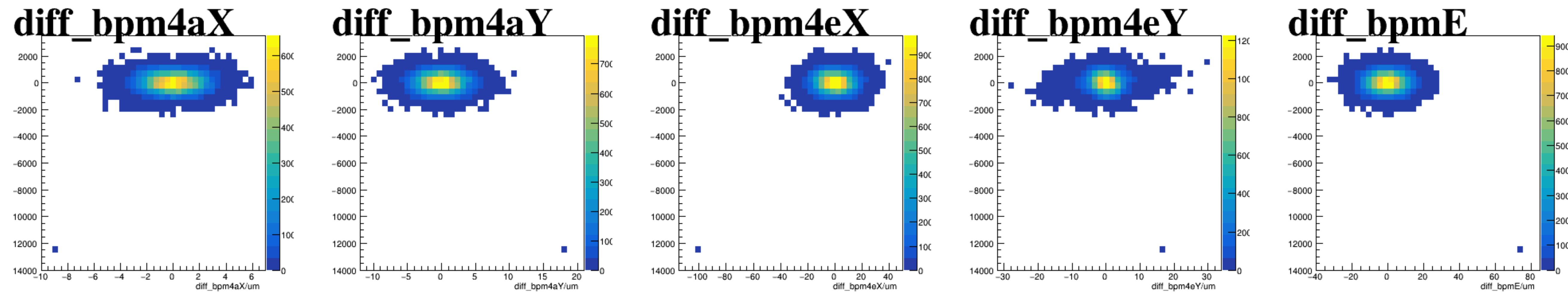
asym_sam7



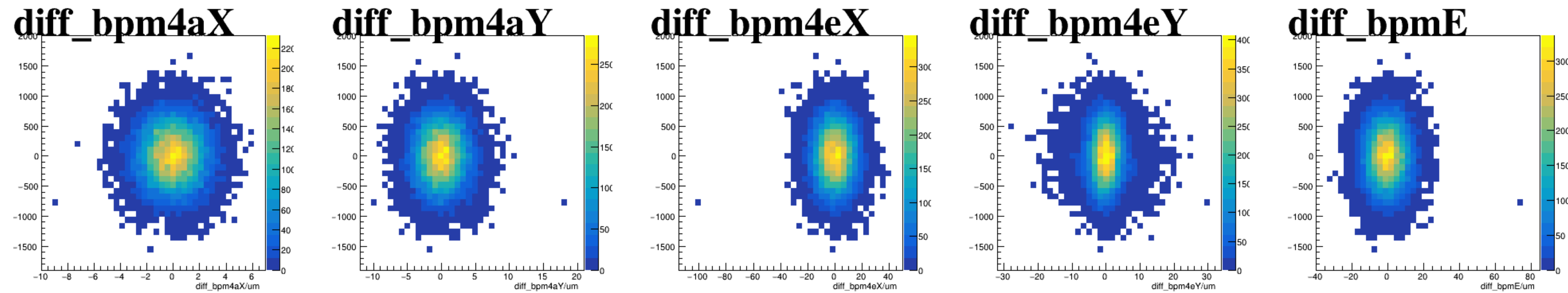
reg_asym_sam1



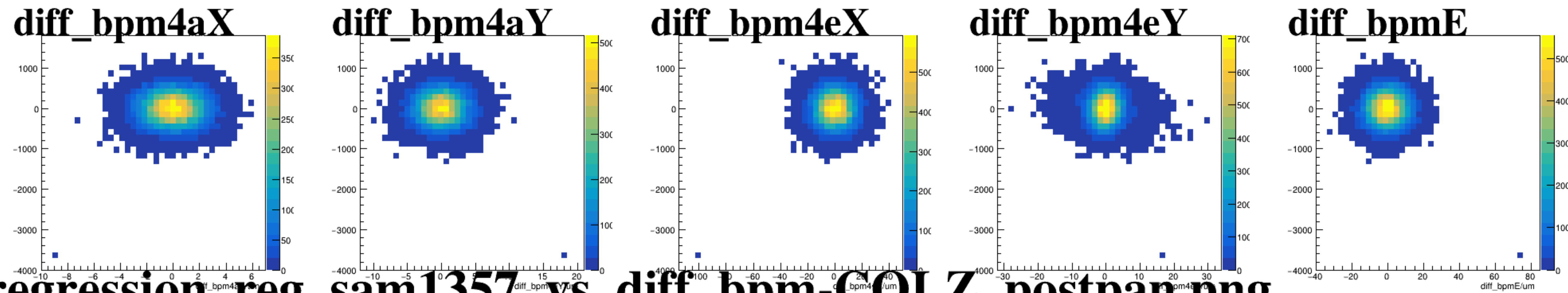
reg_asym_sam3



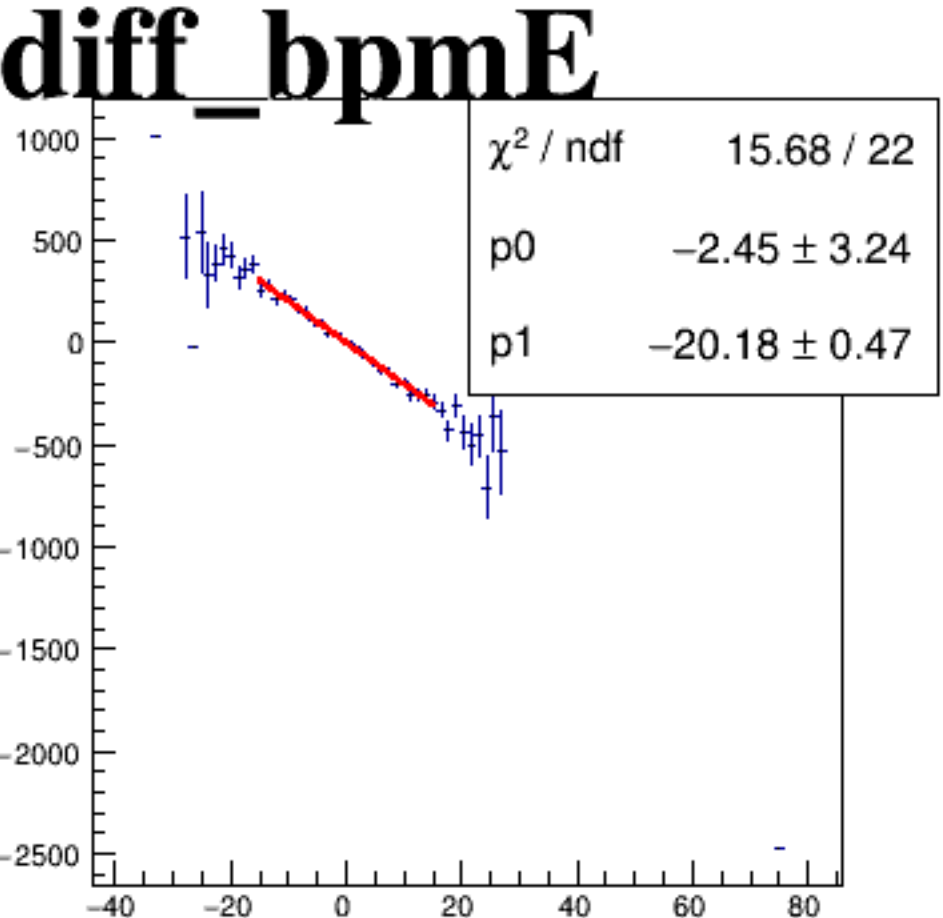
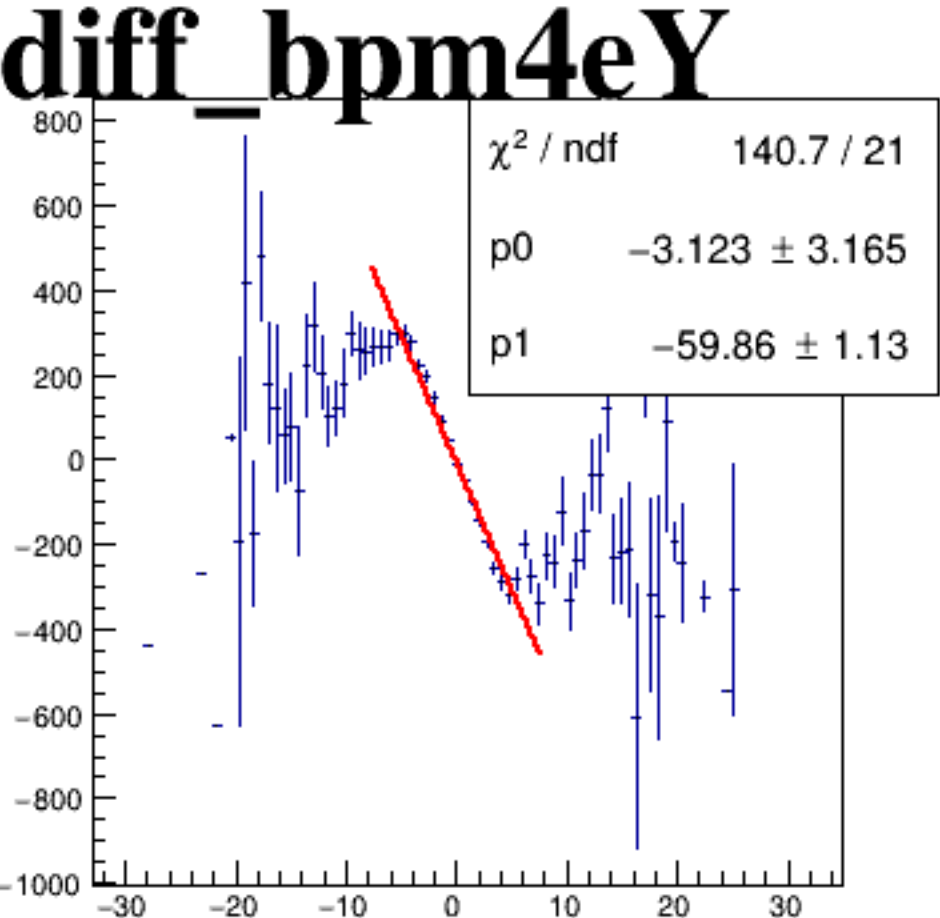
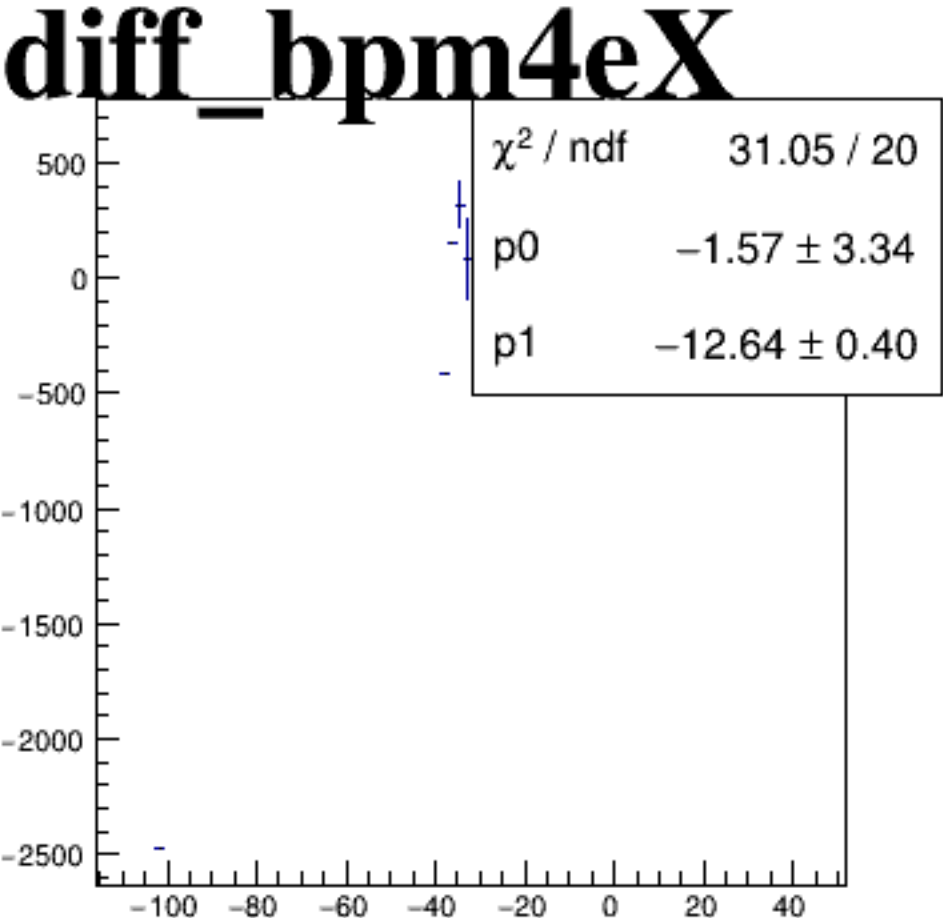
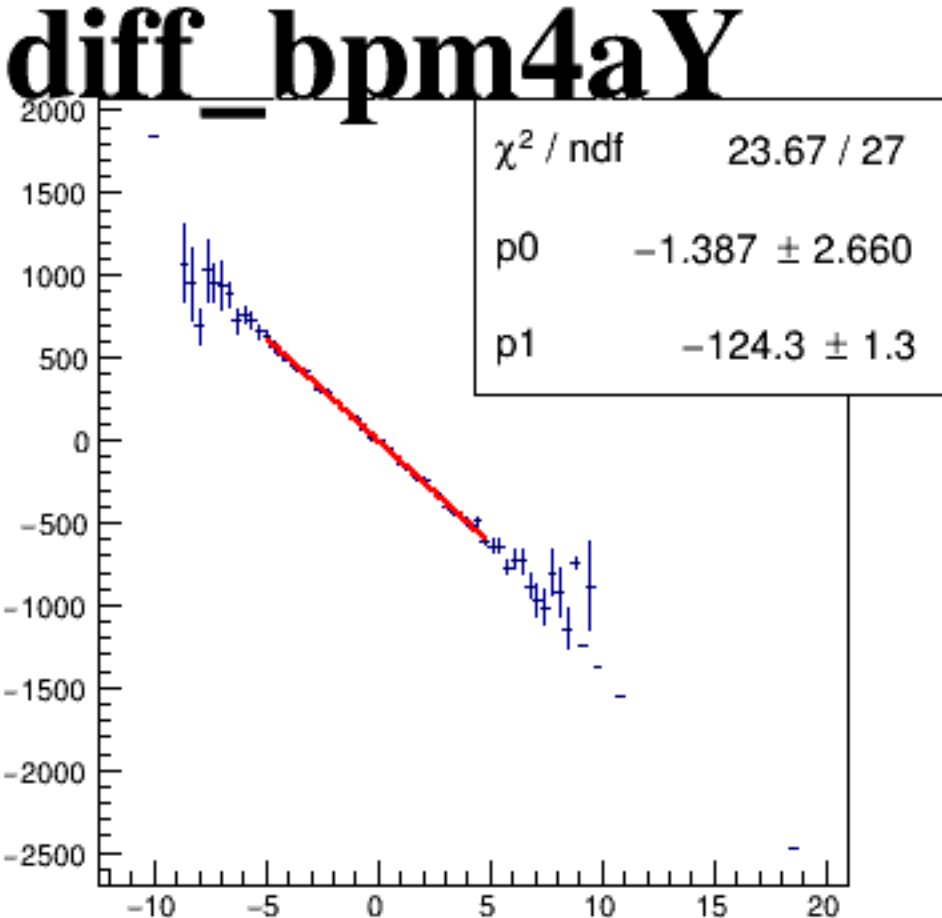
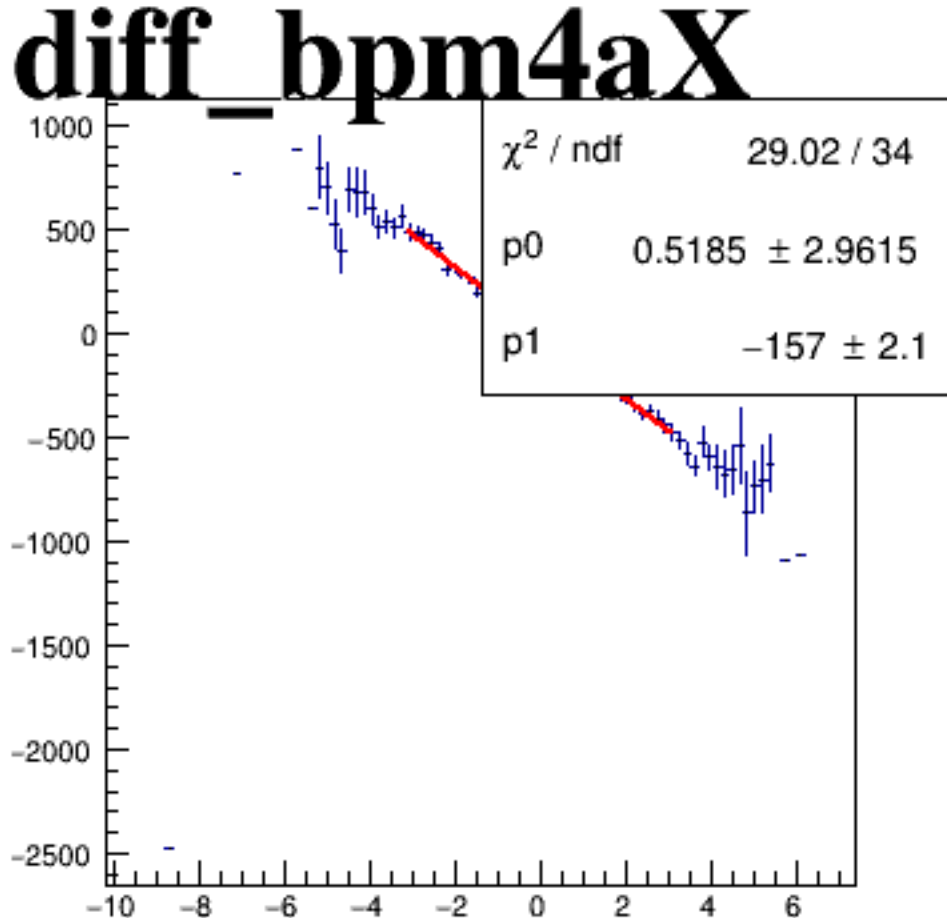
reg_asym_sam5



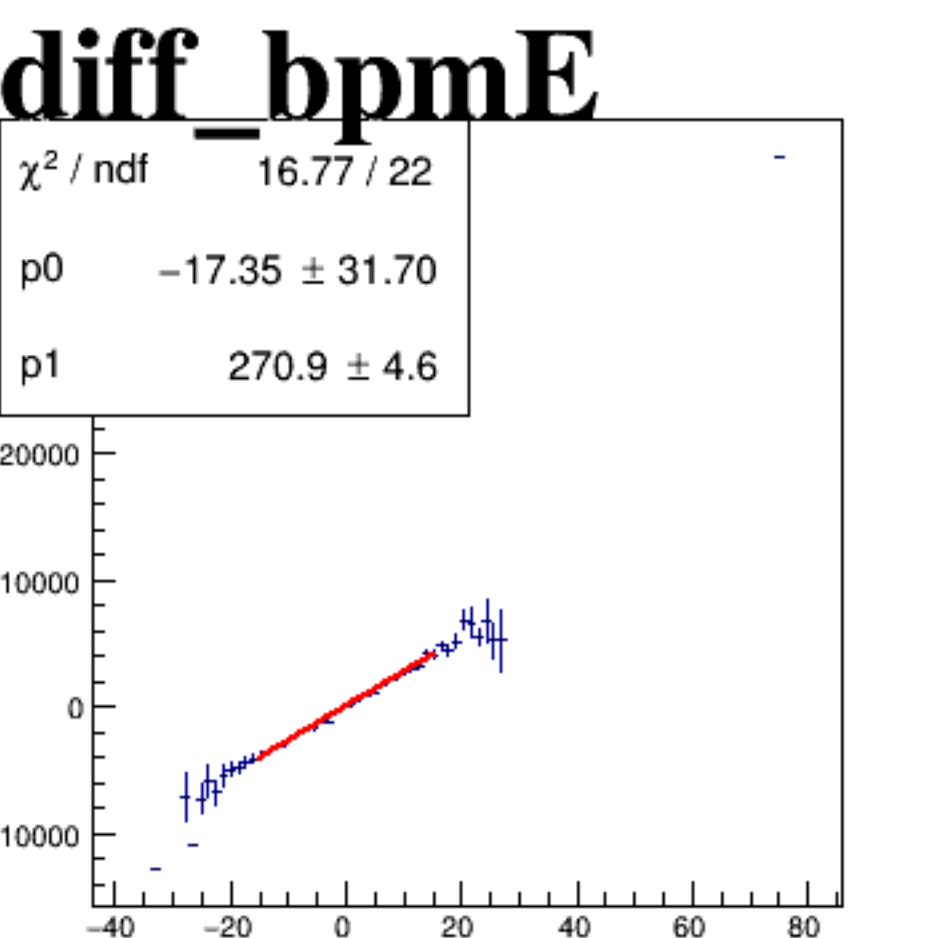
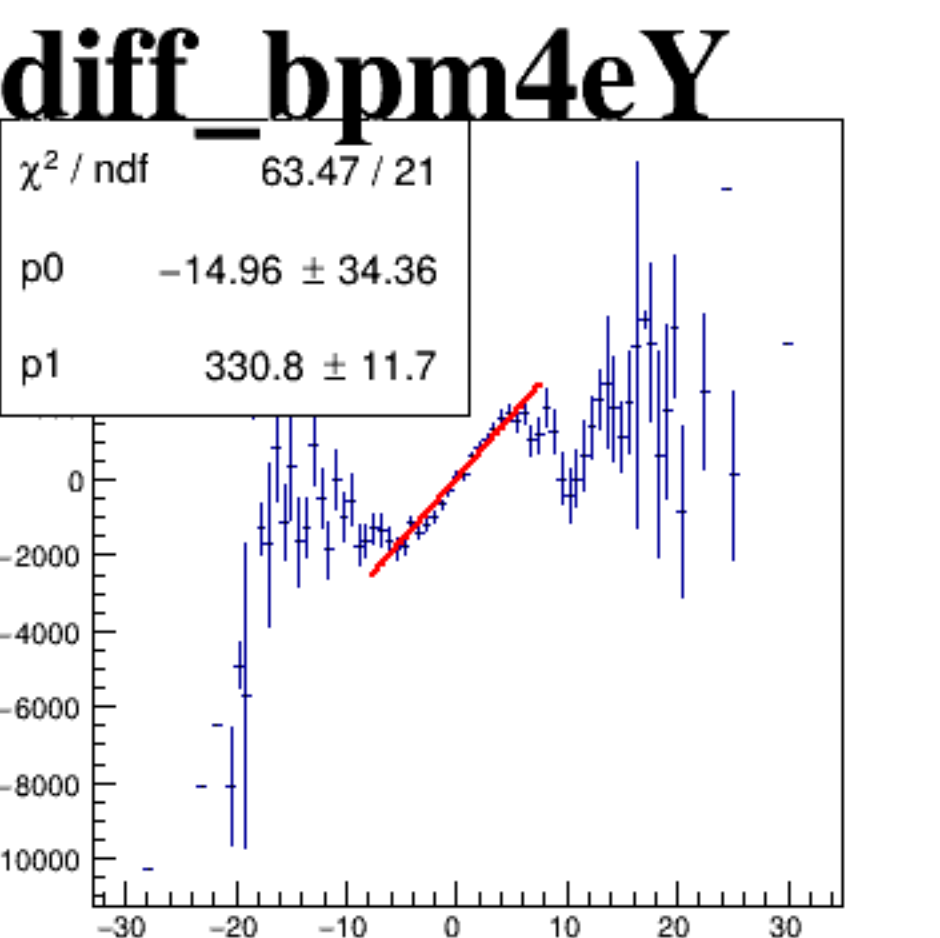
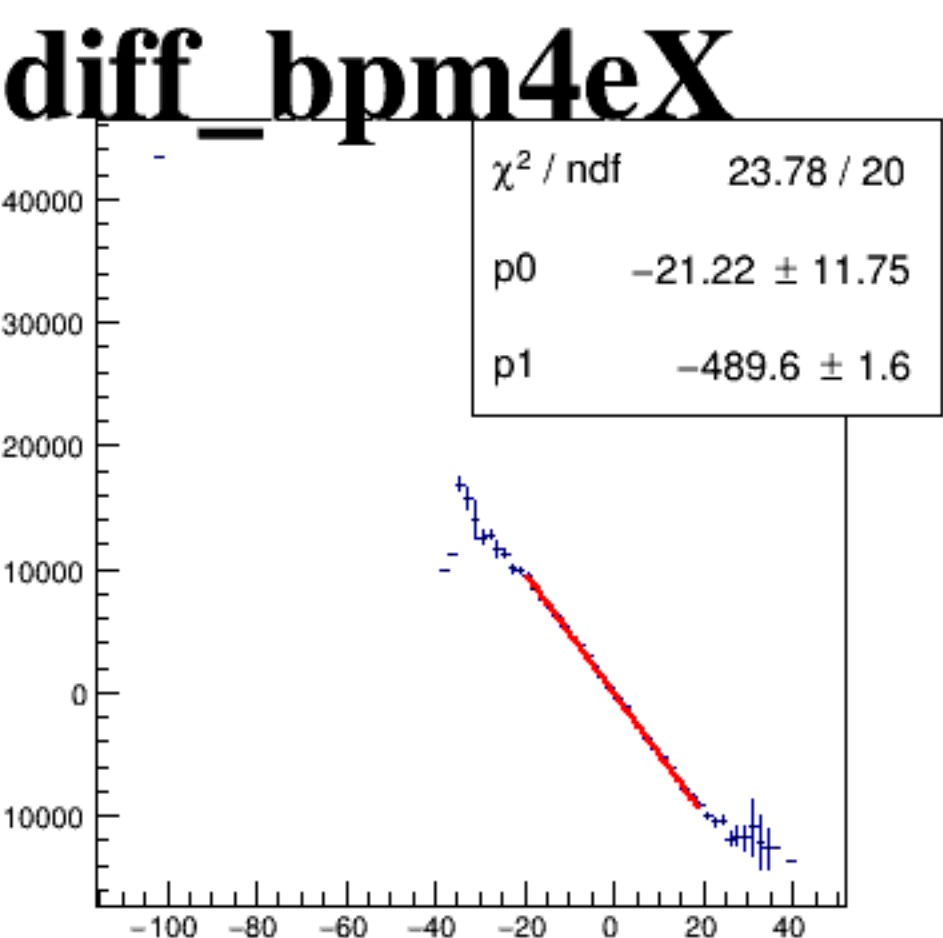
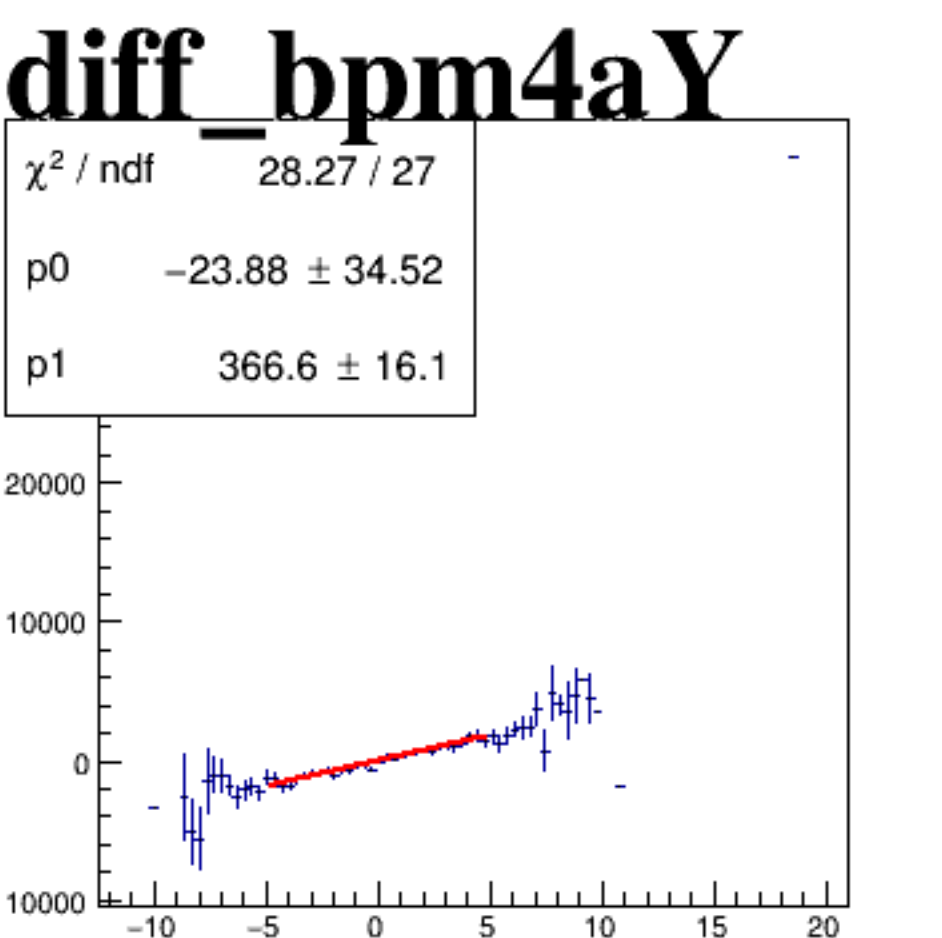
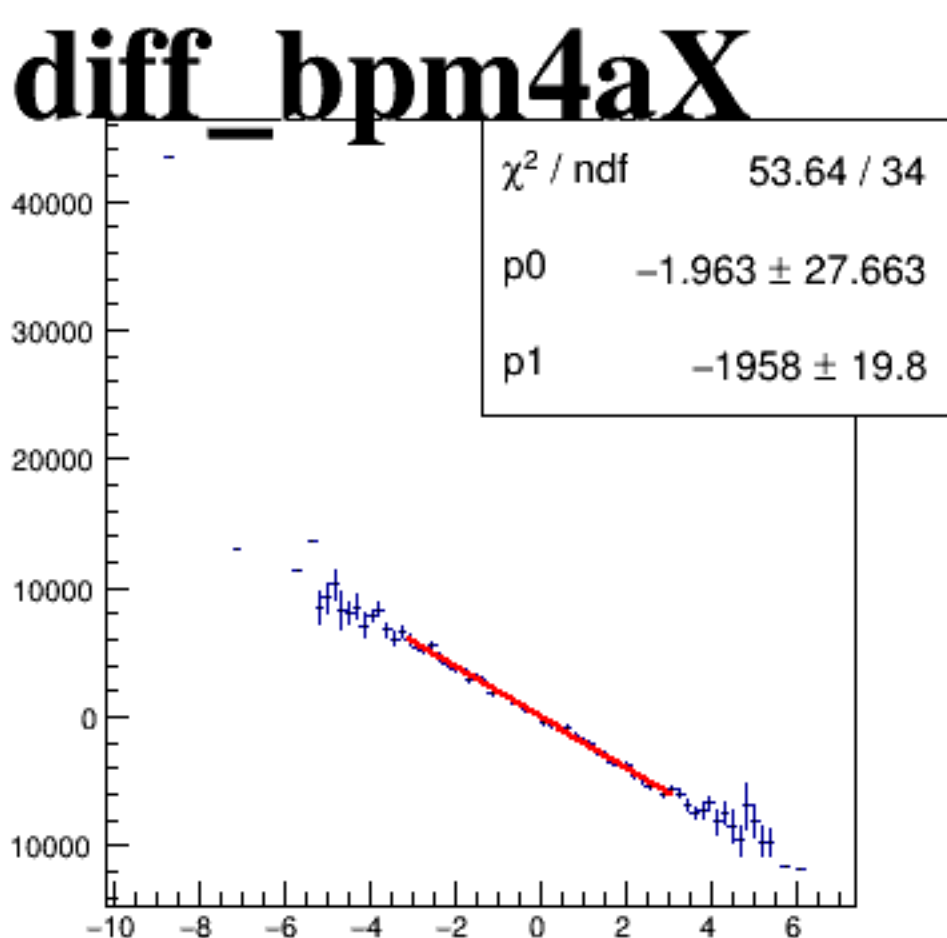
reg_asym_sam7



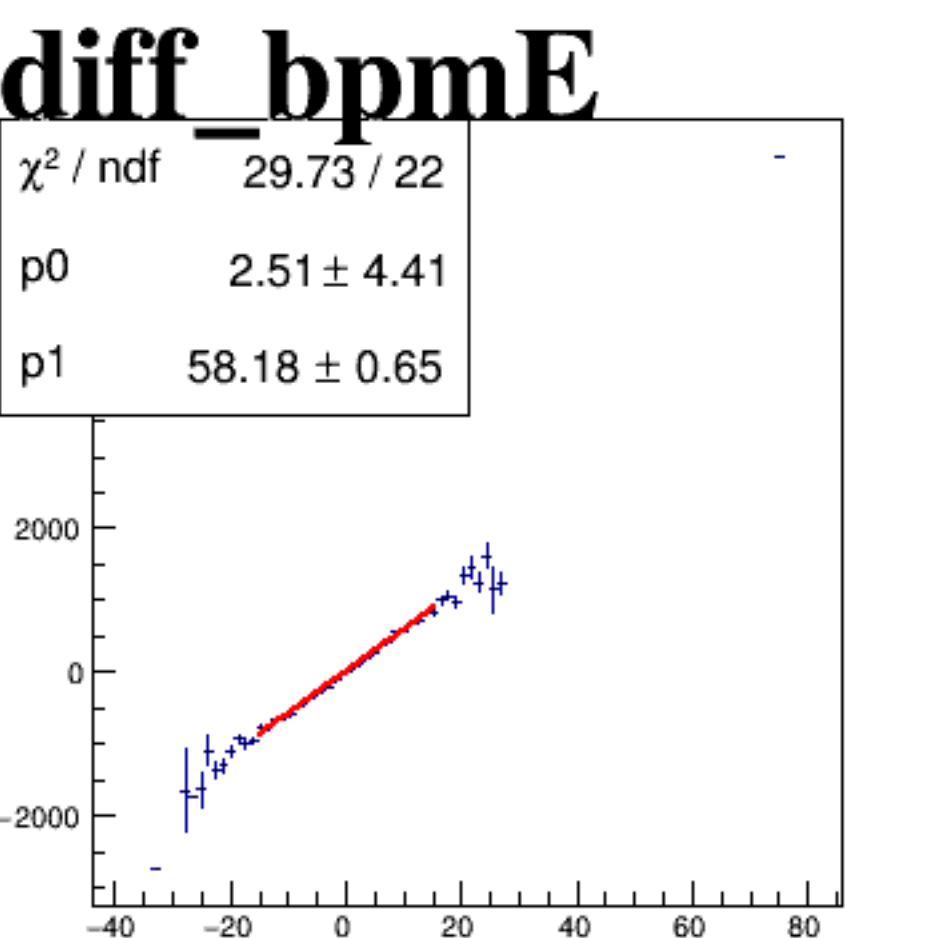
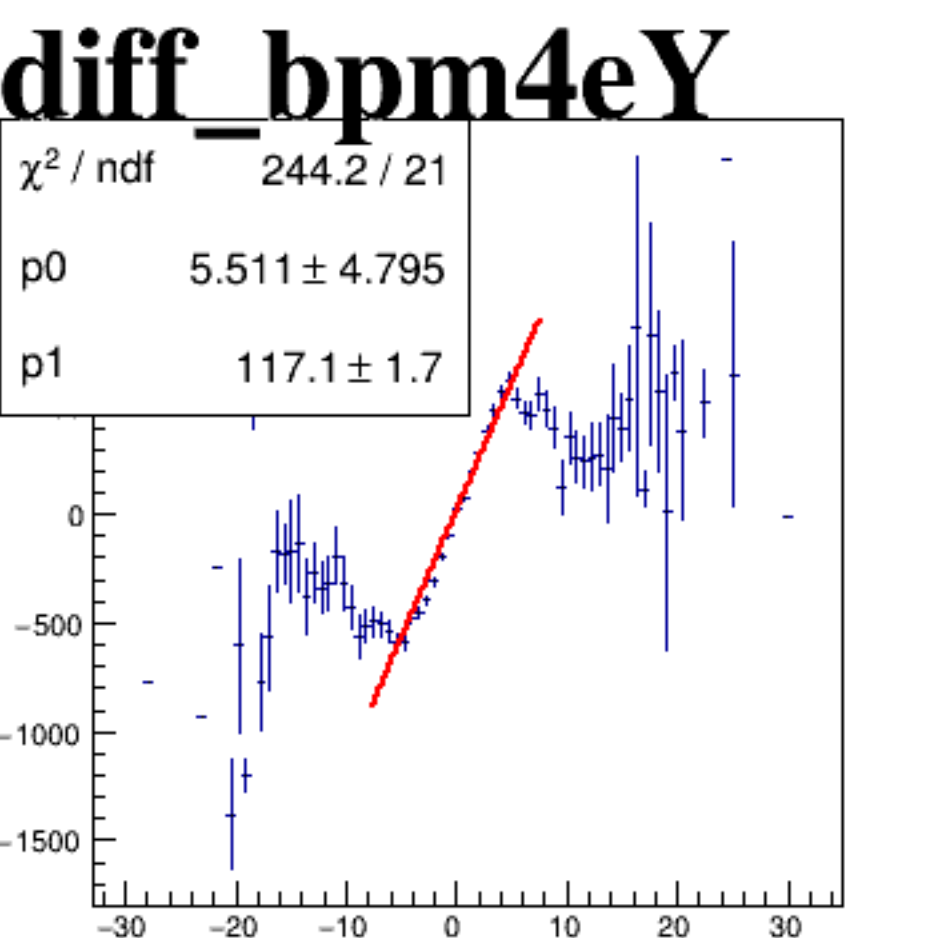
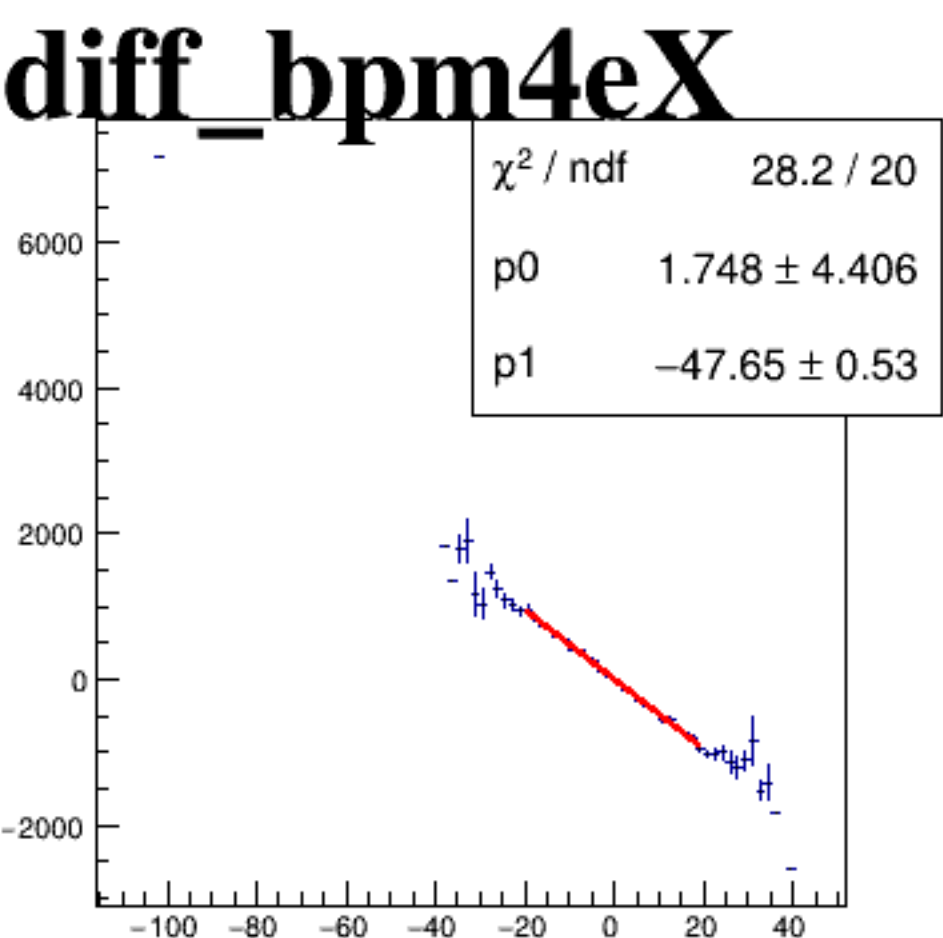
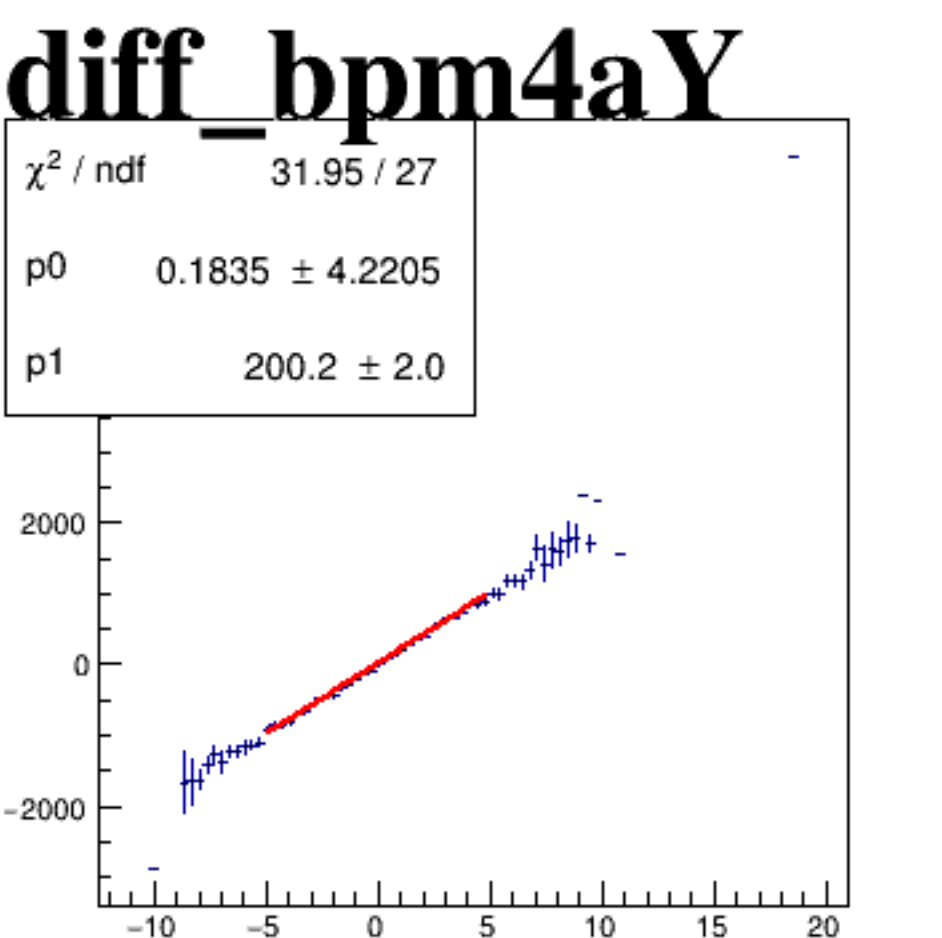
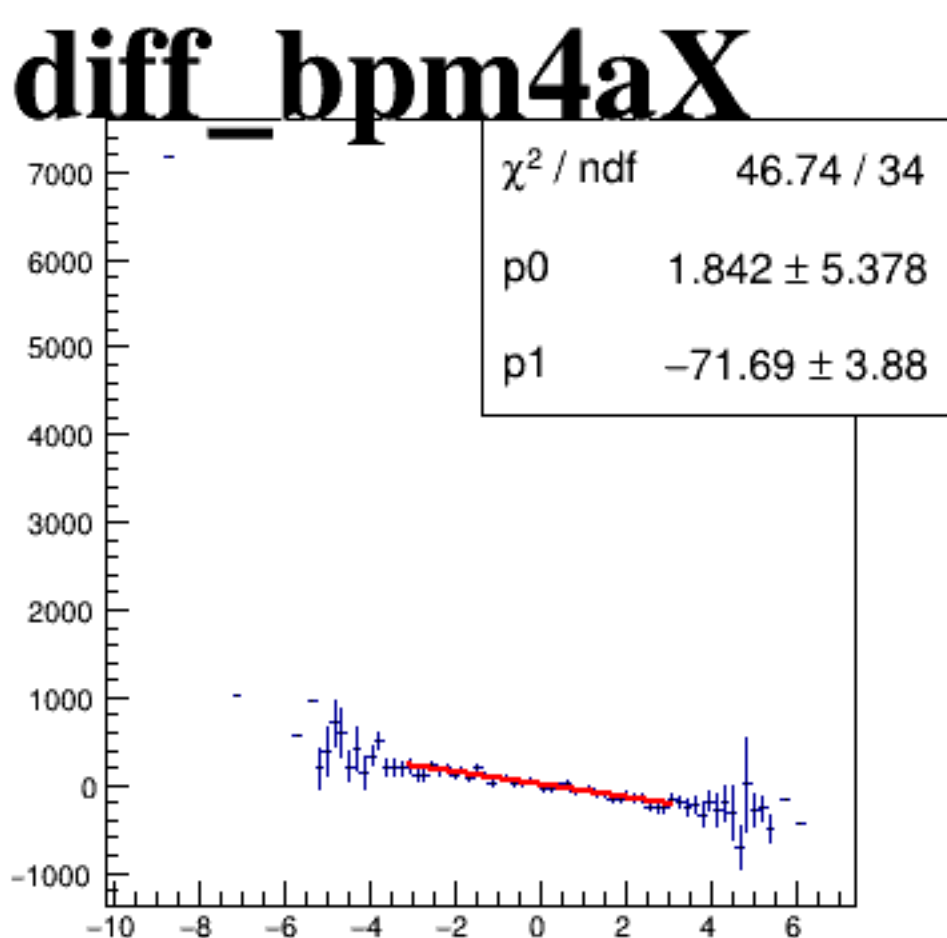
asym_sam1



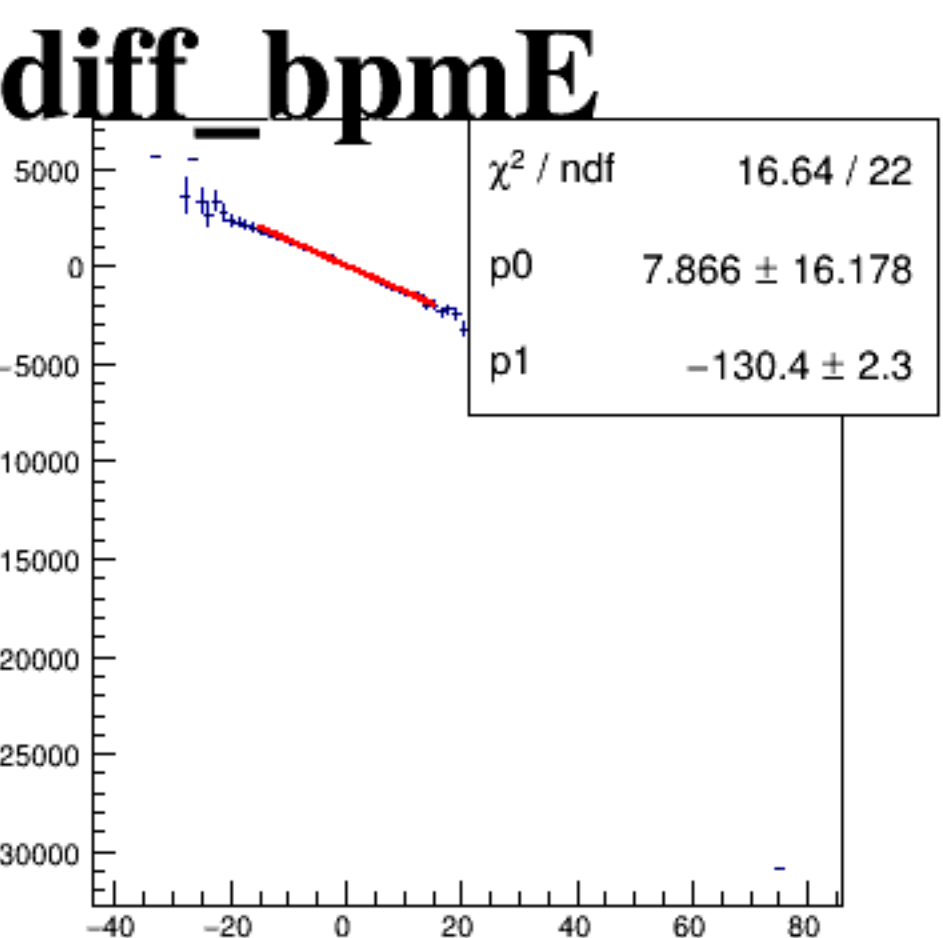
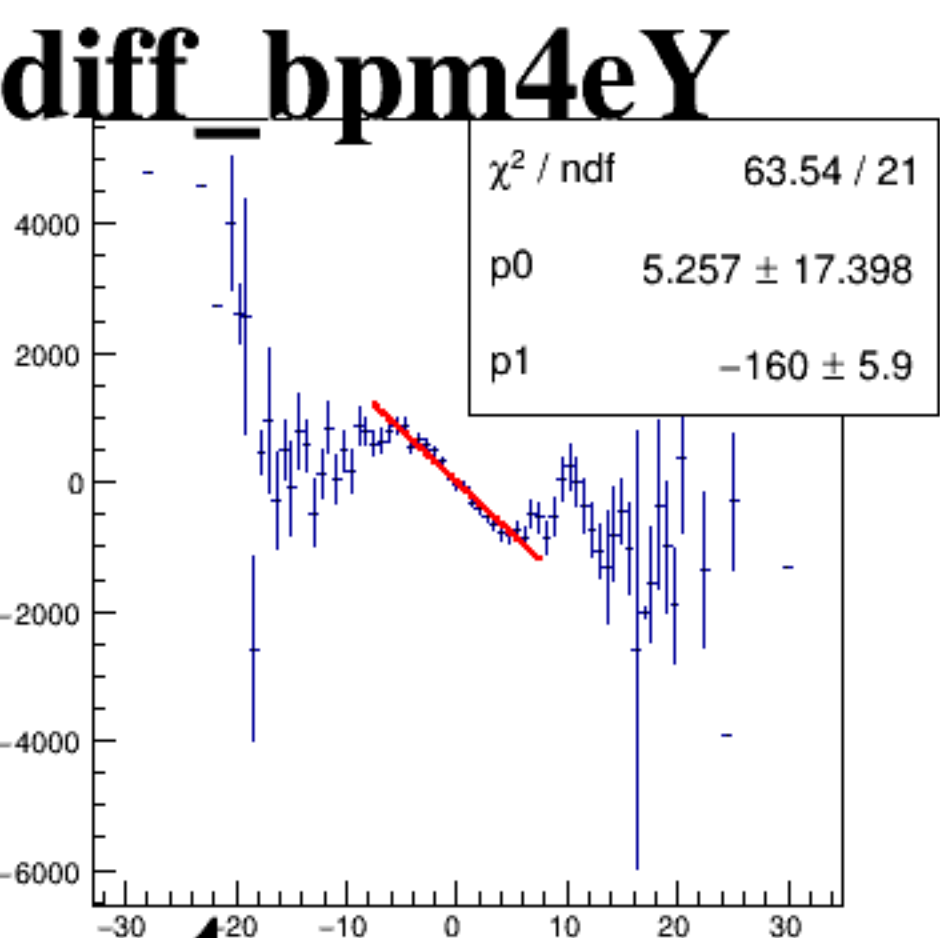
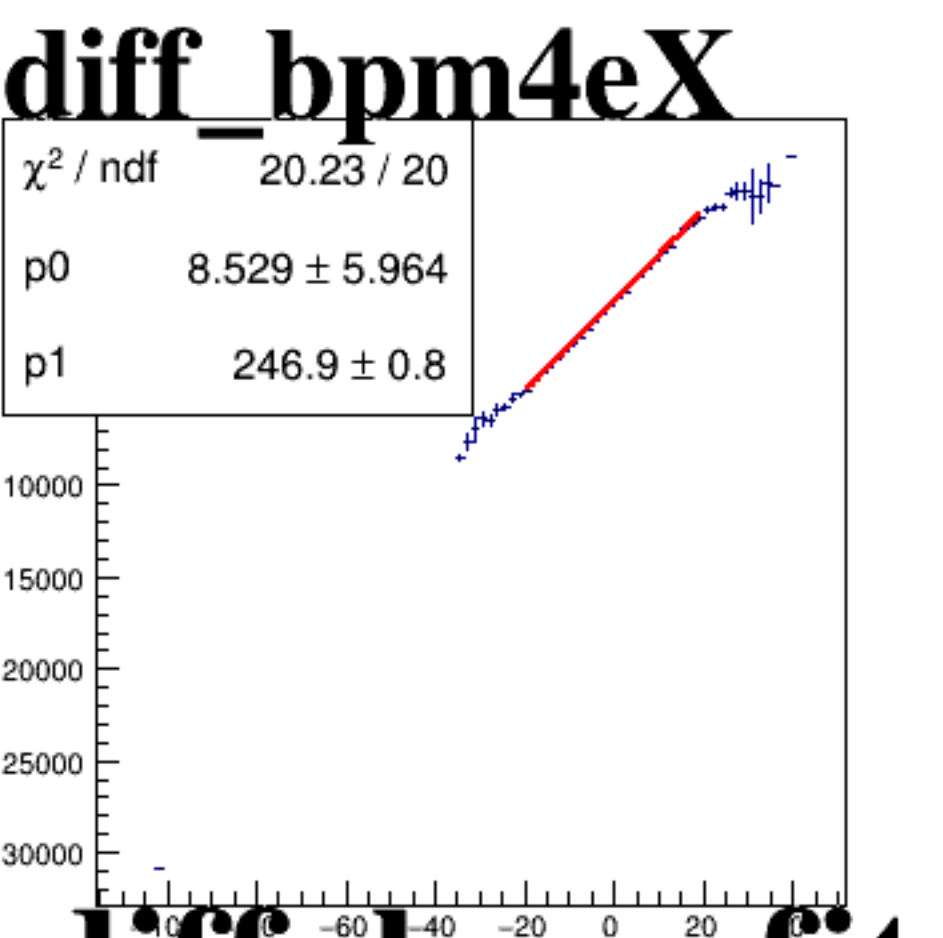
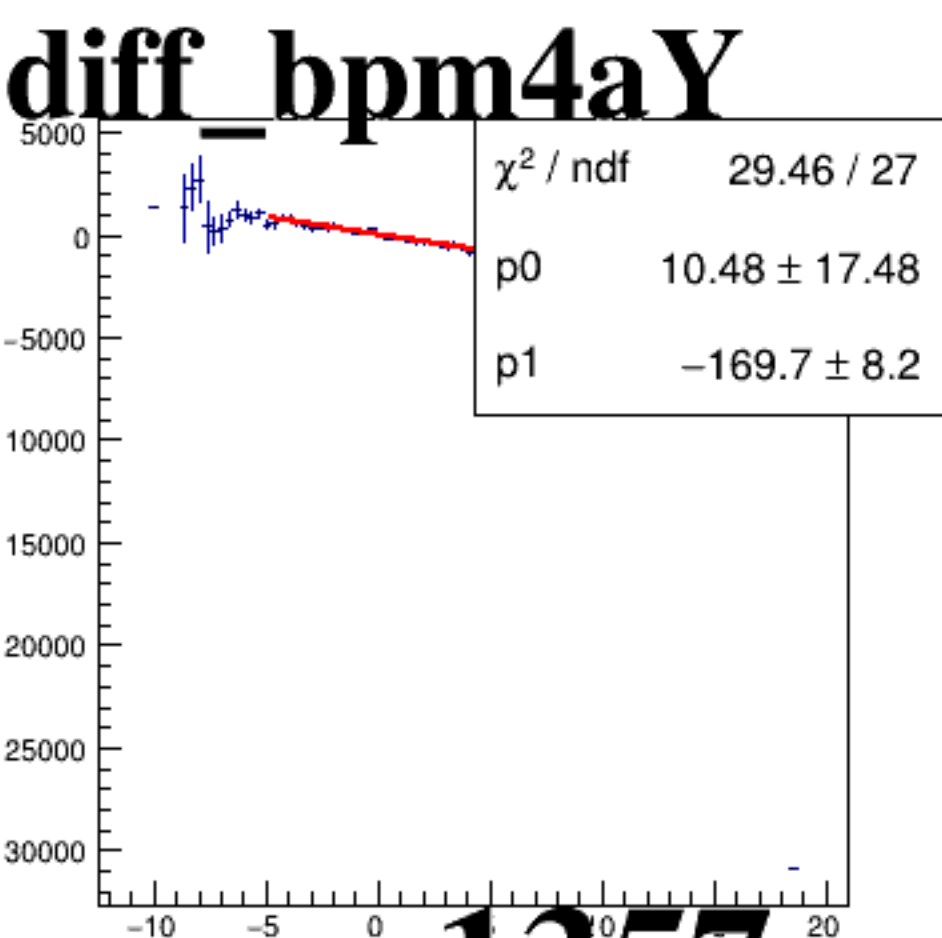
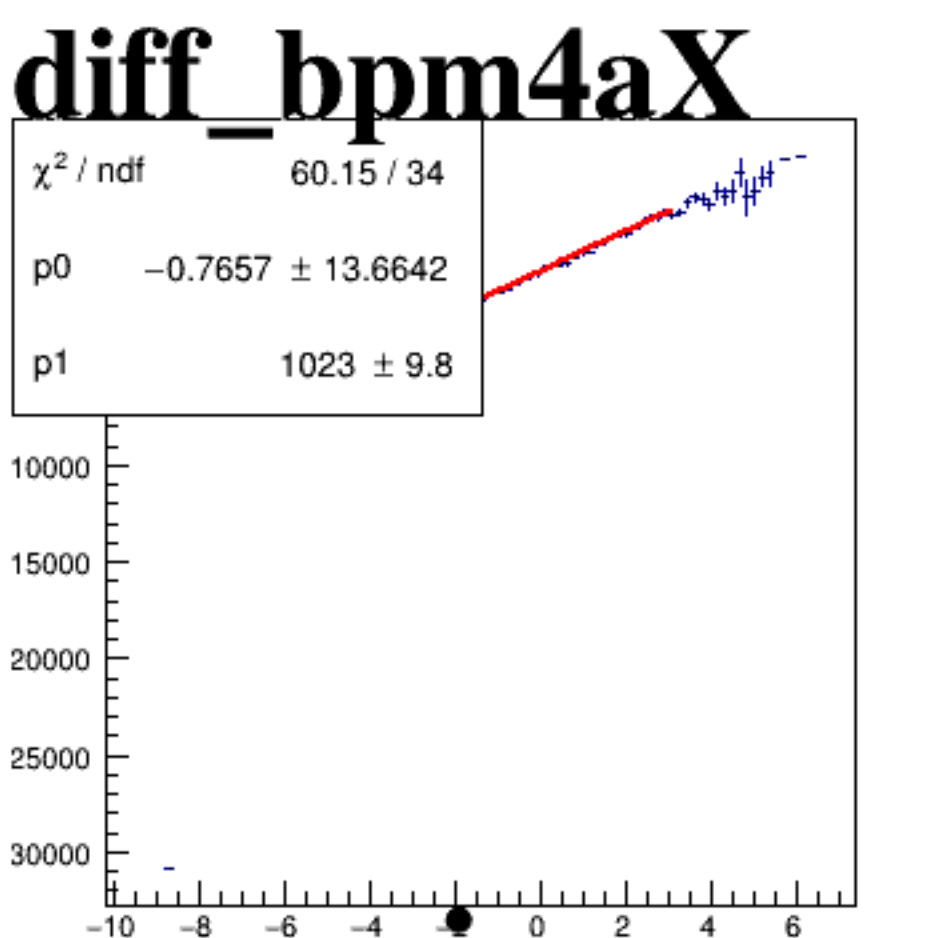
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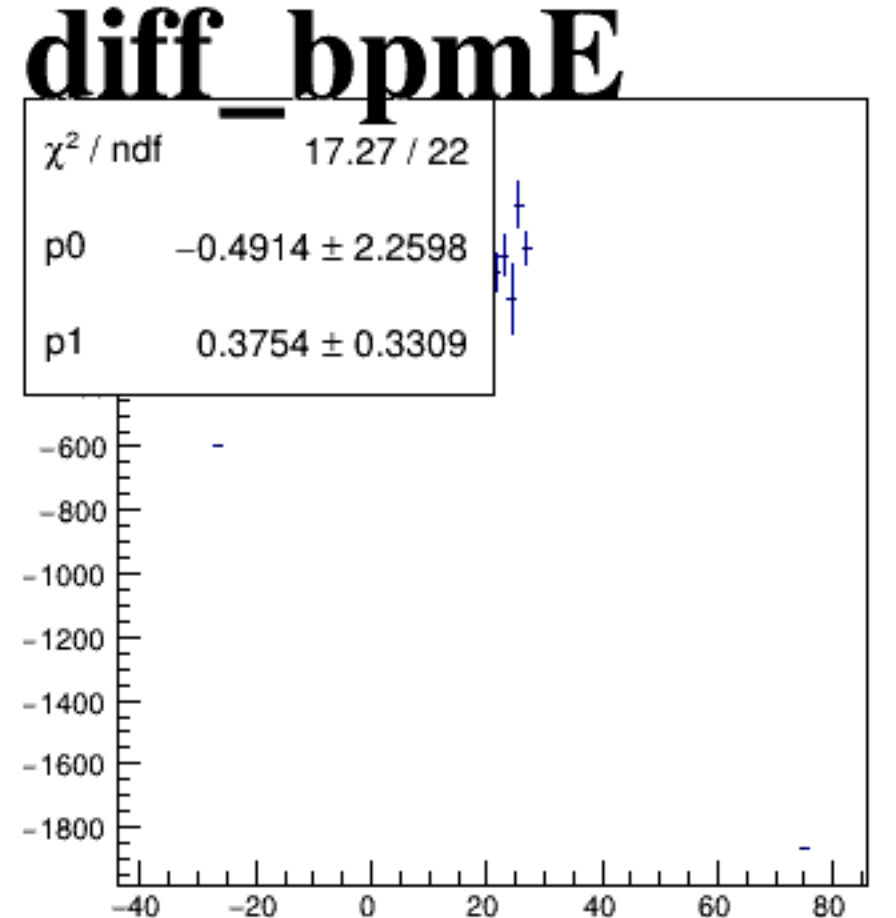
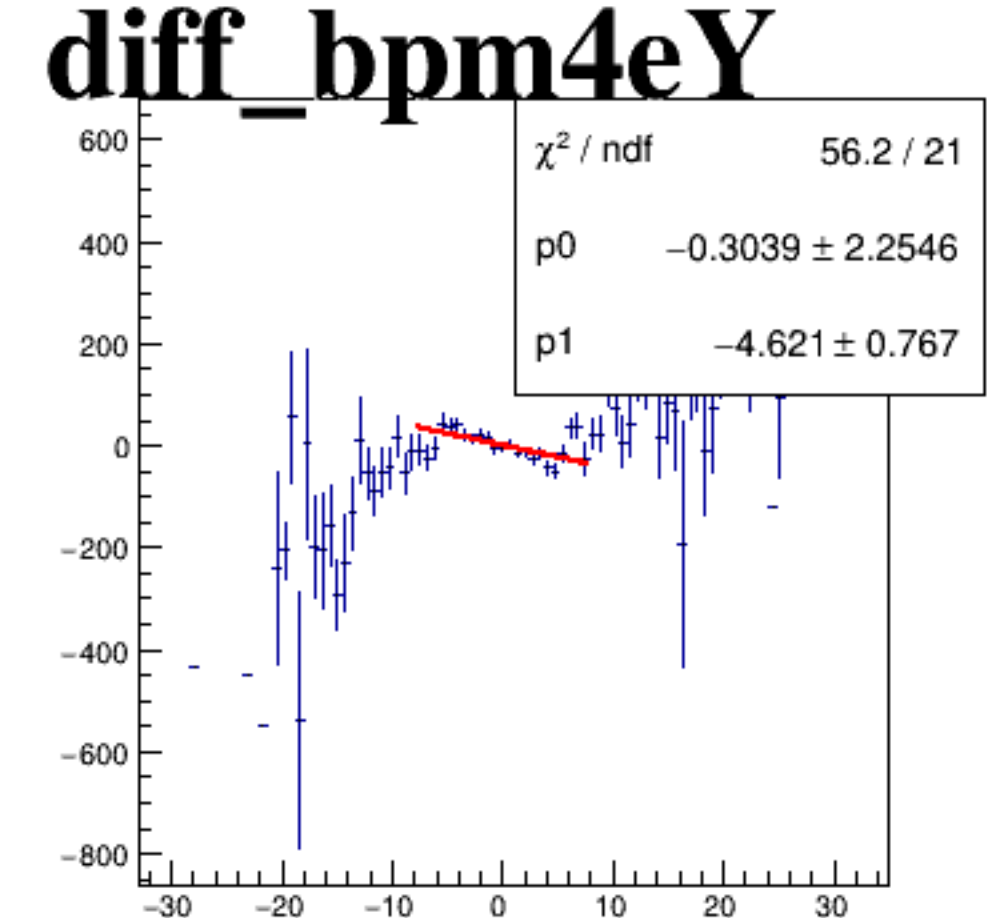
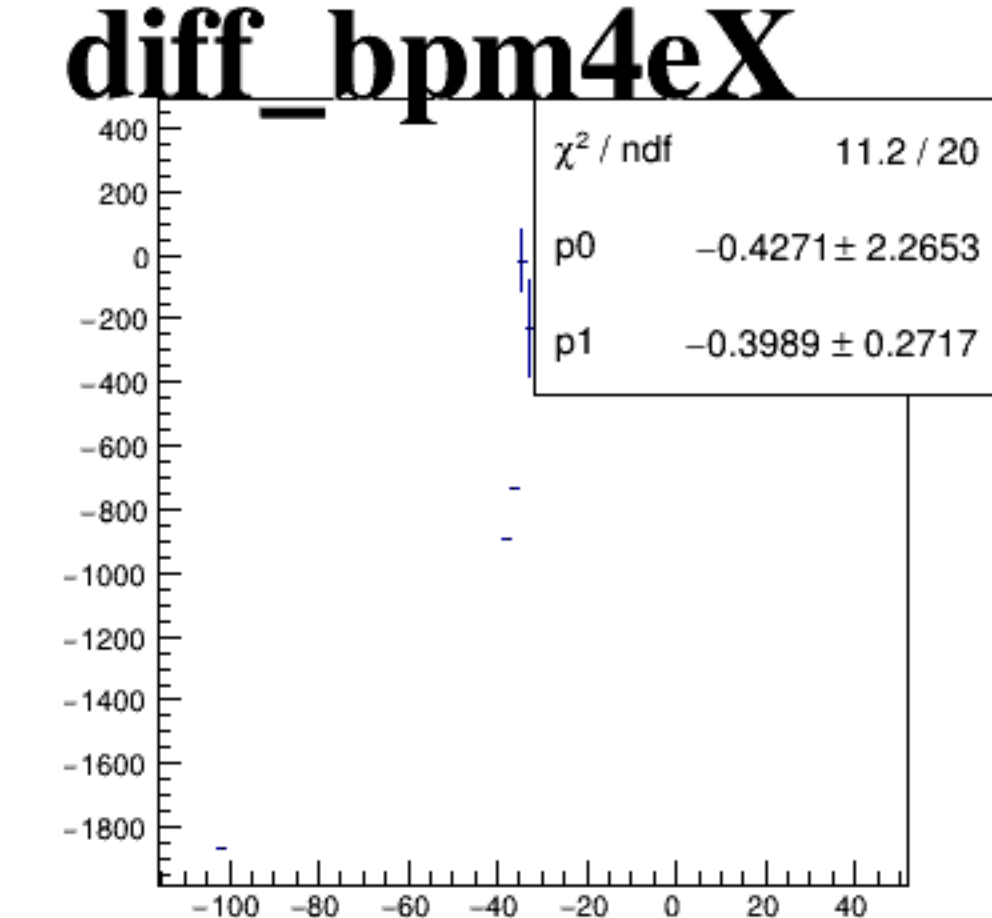
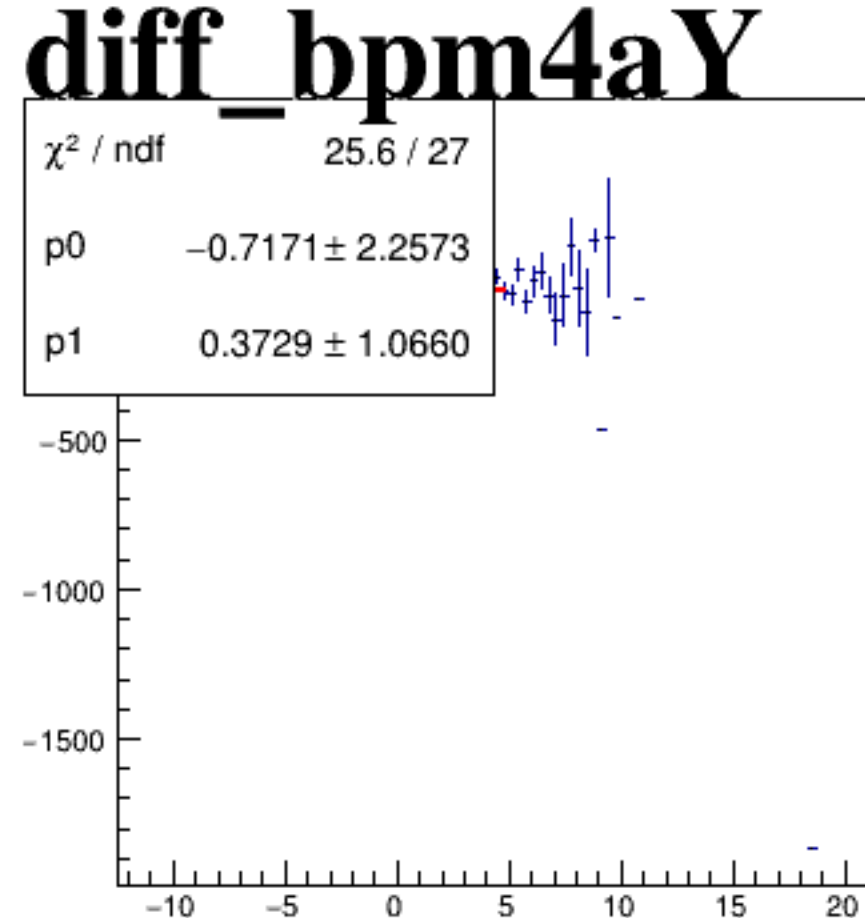
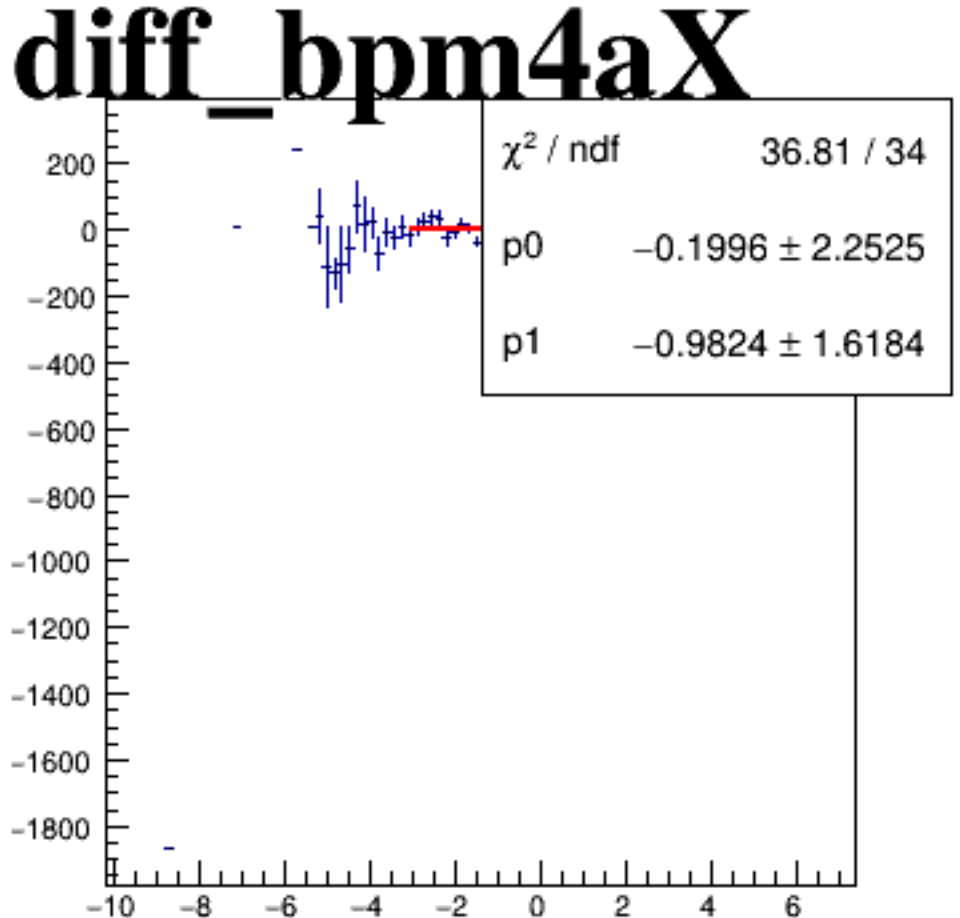
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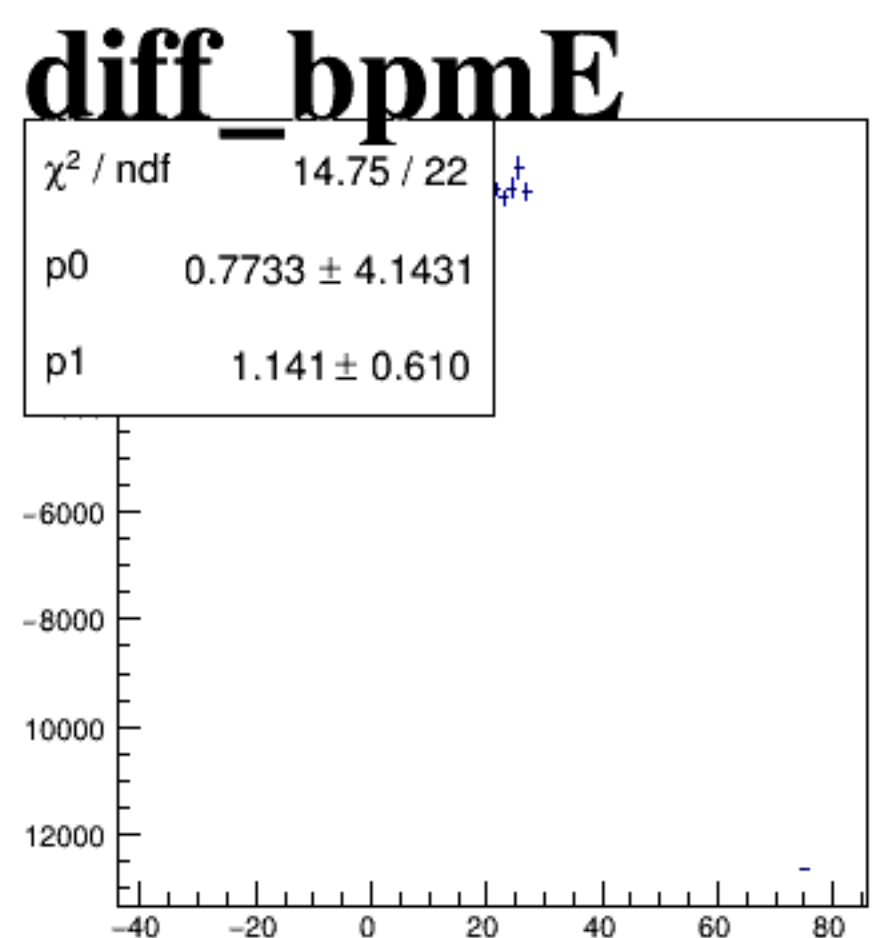
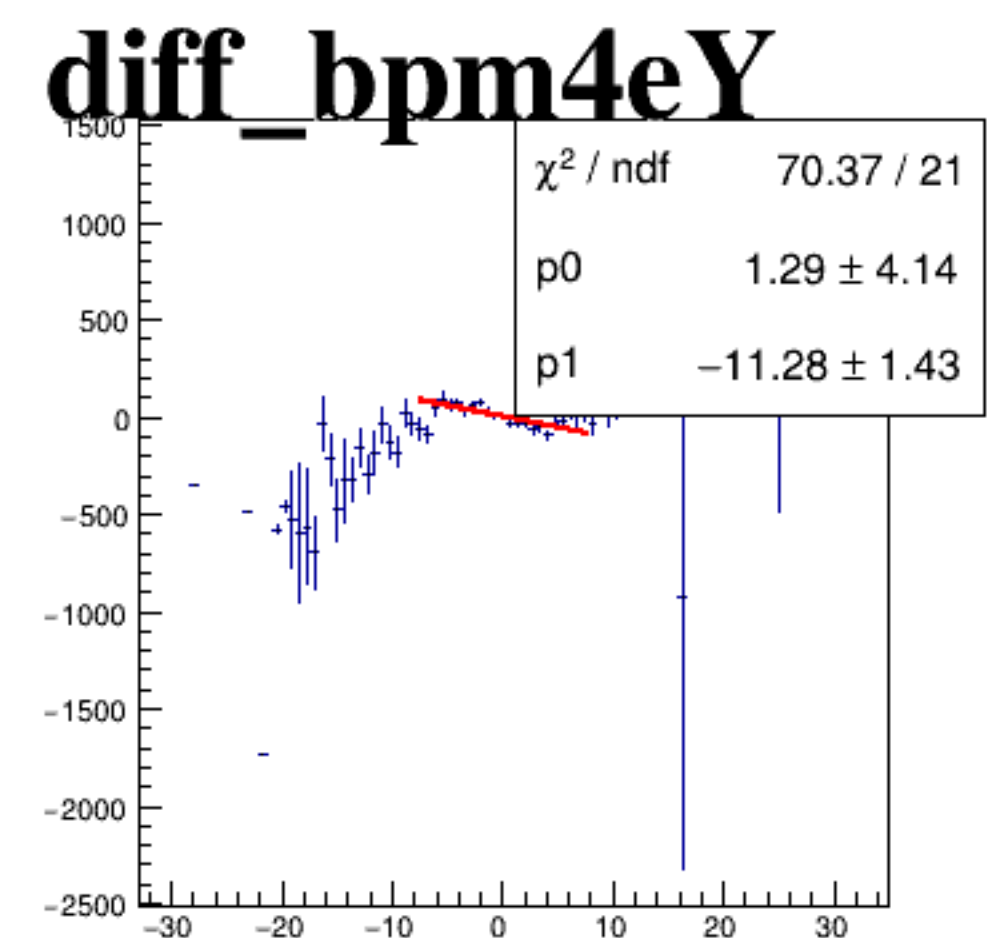
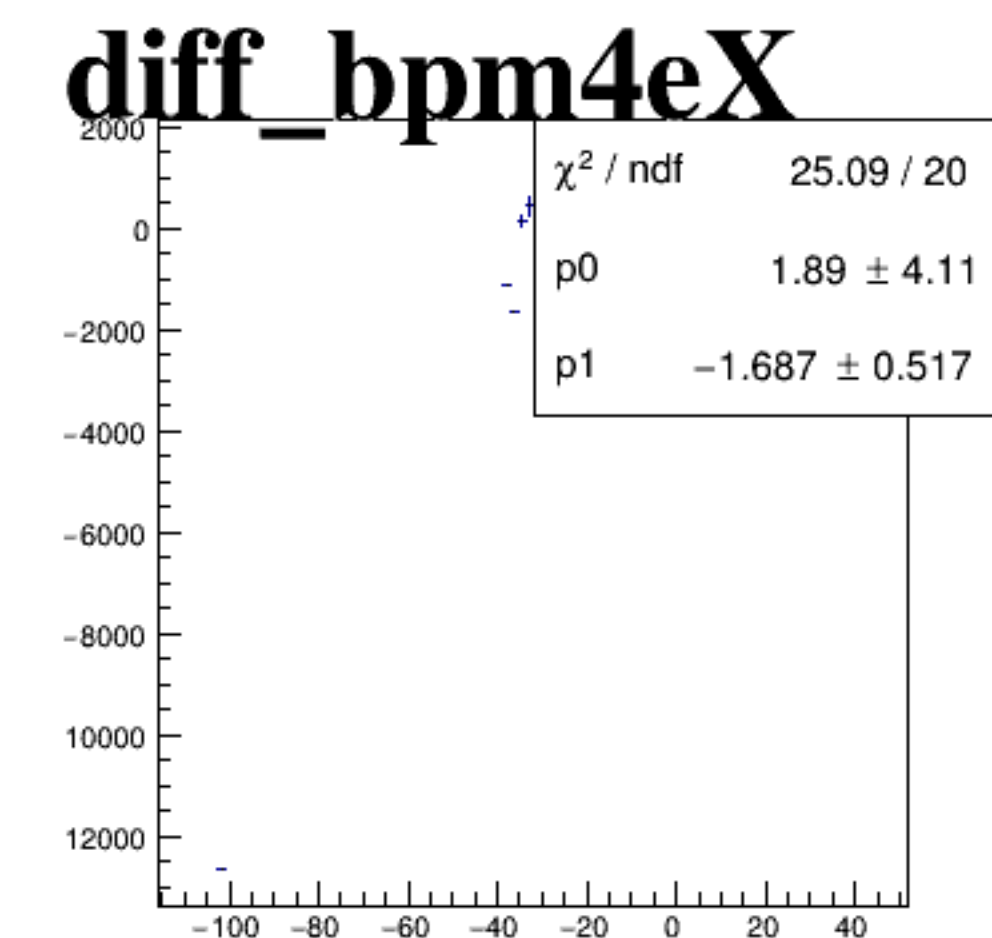
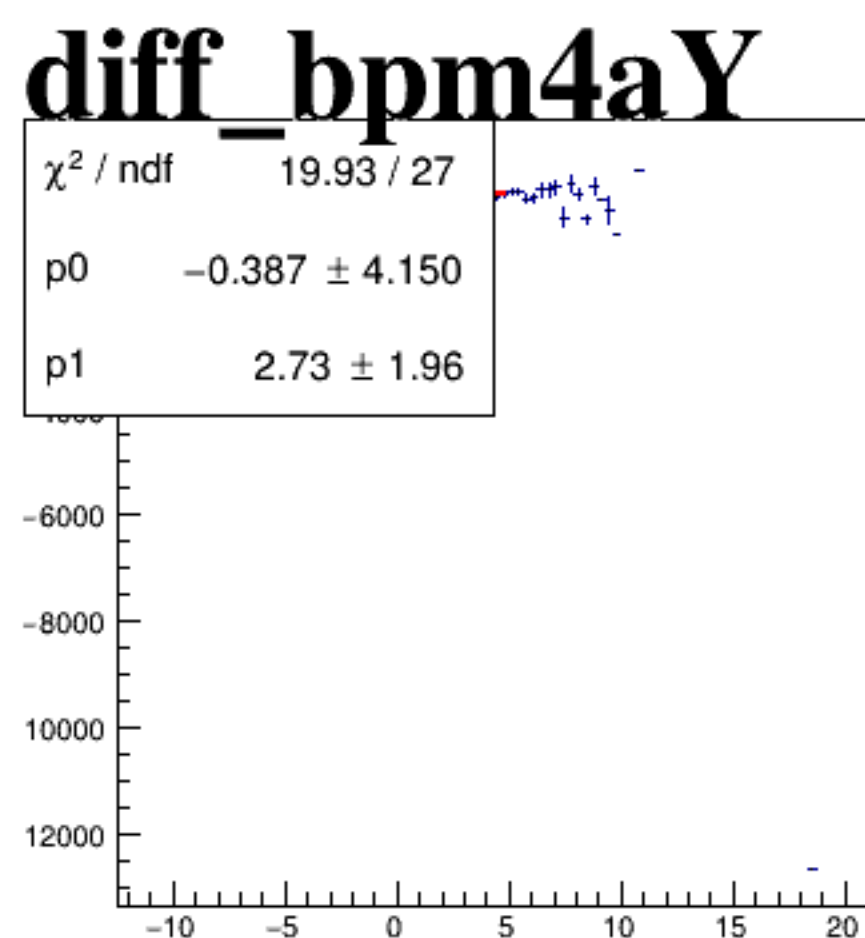
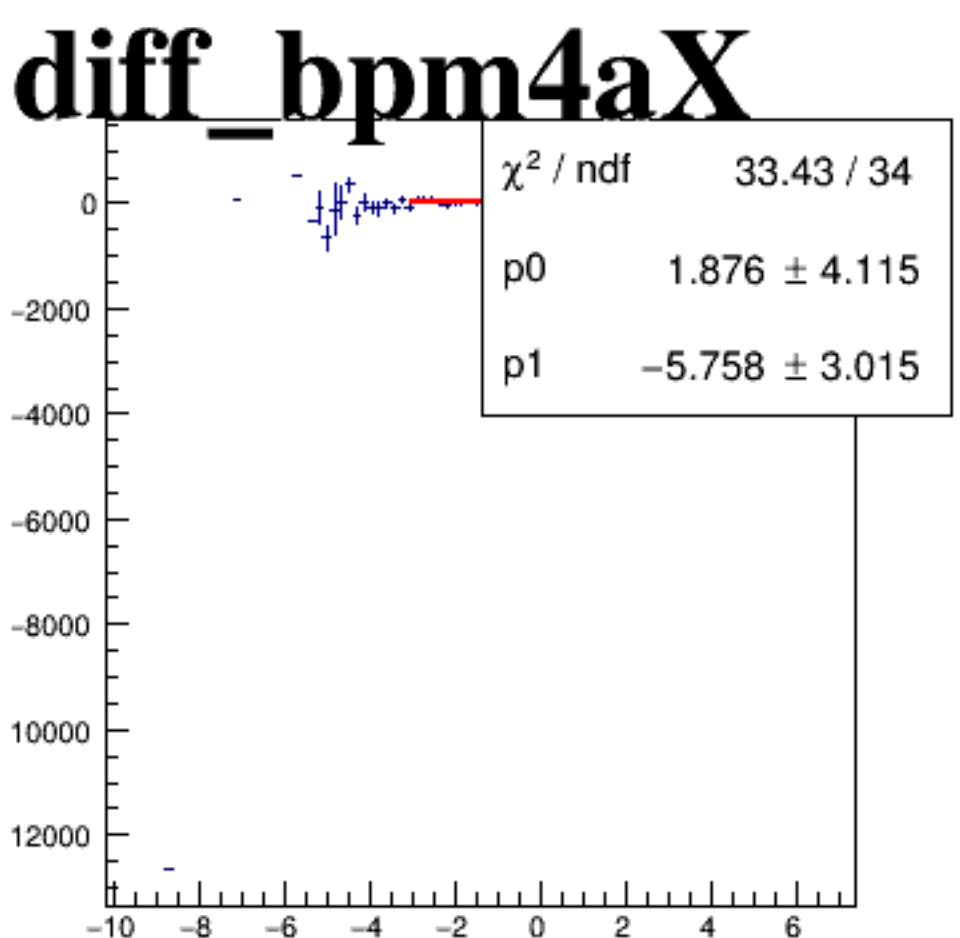
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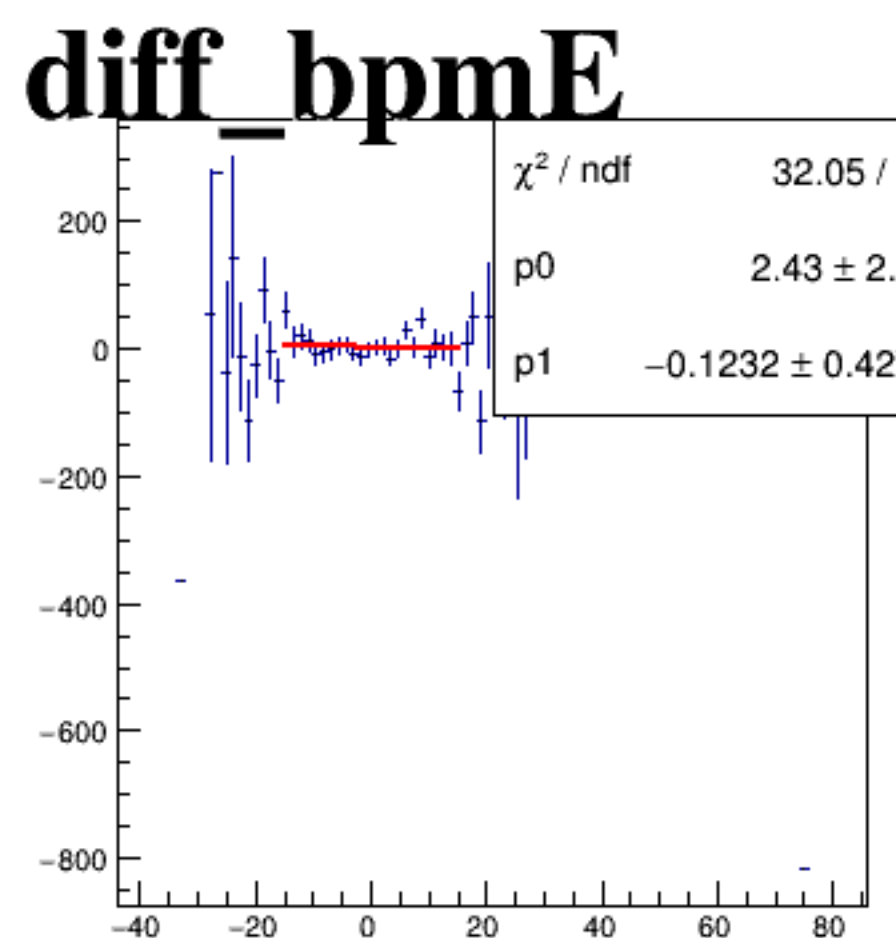
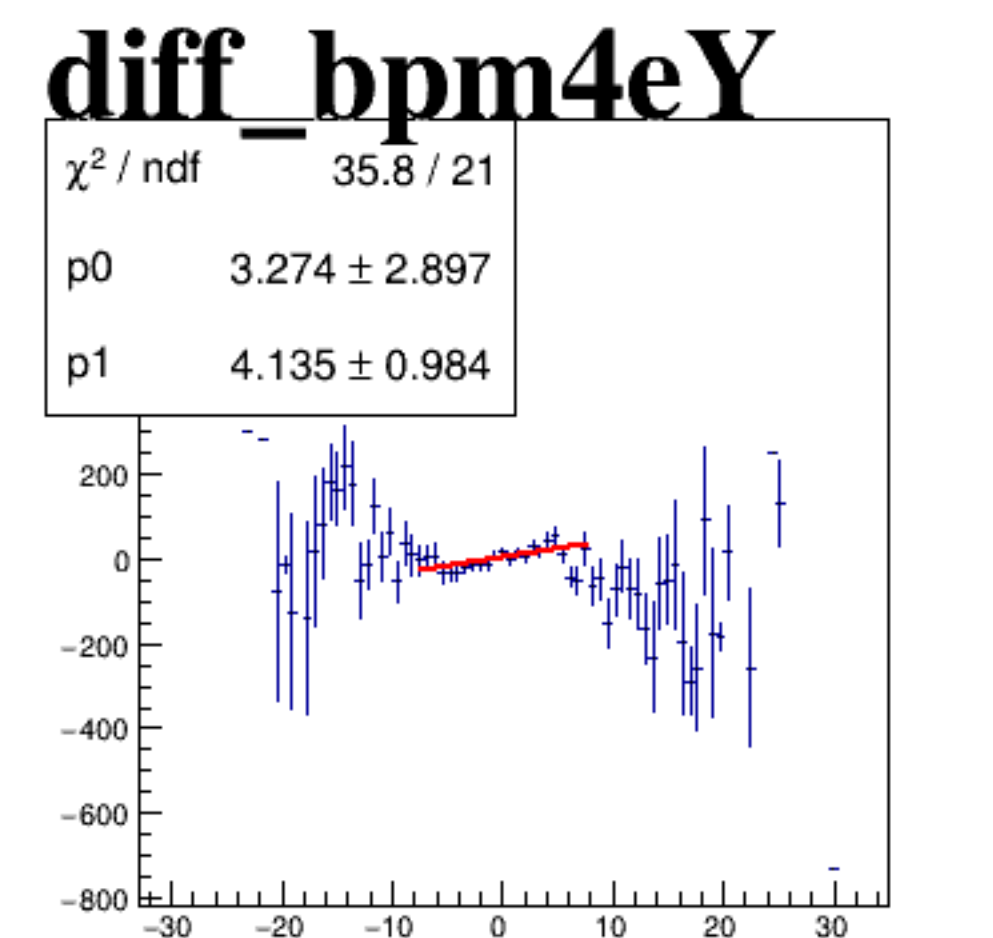
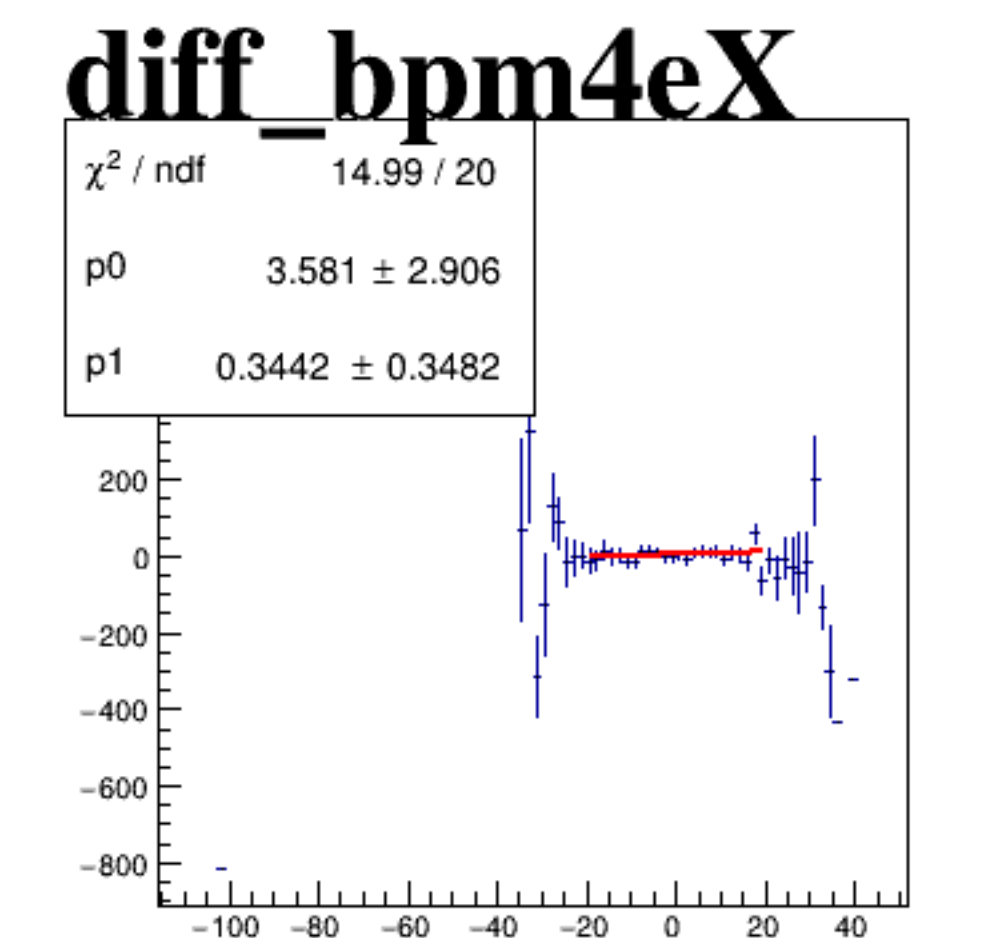
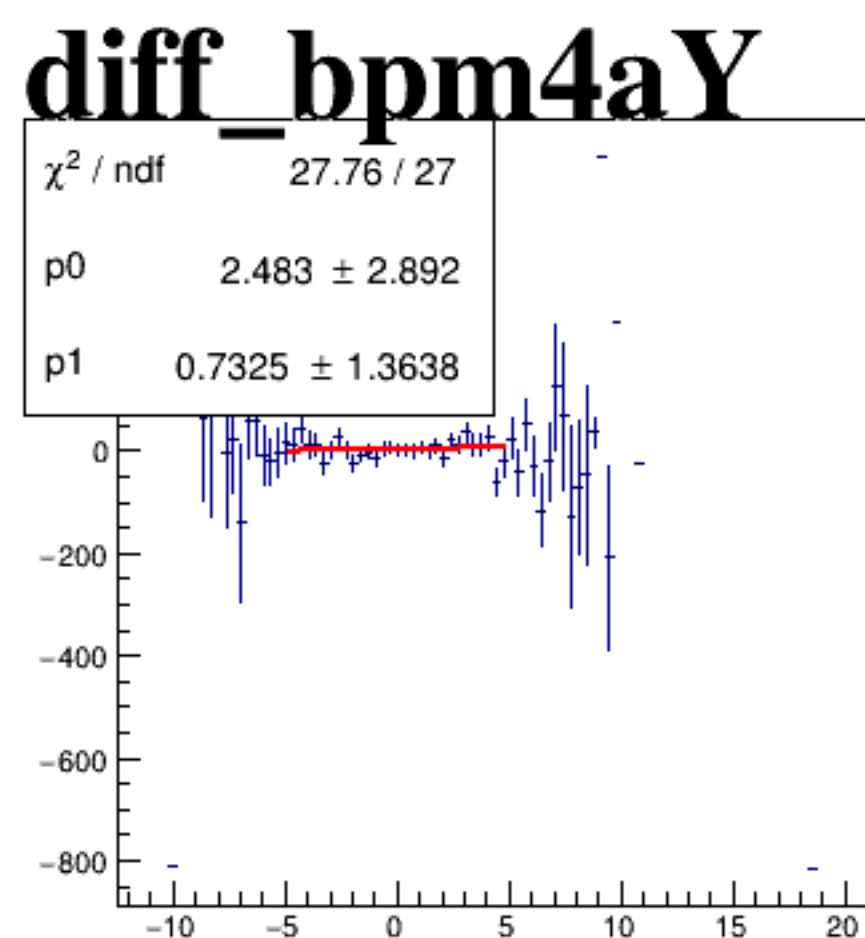
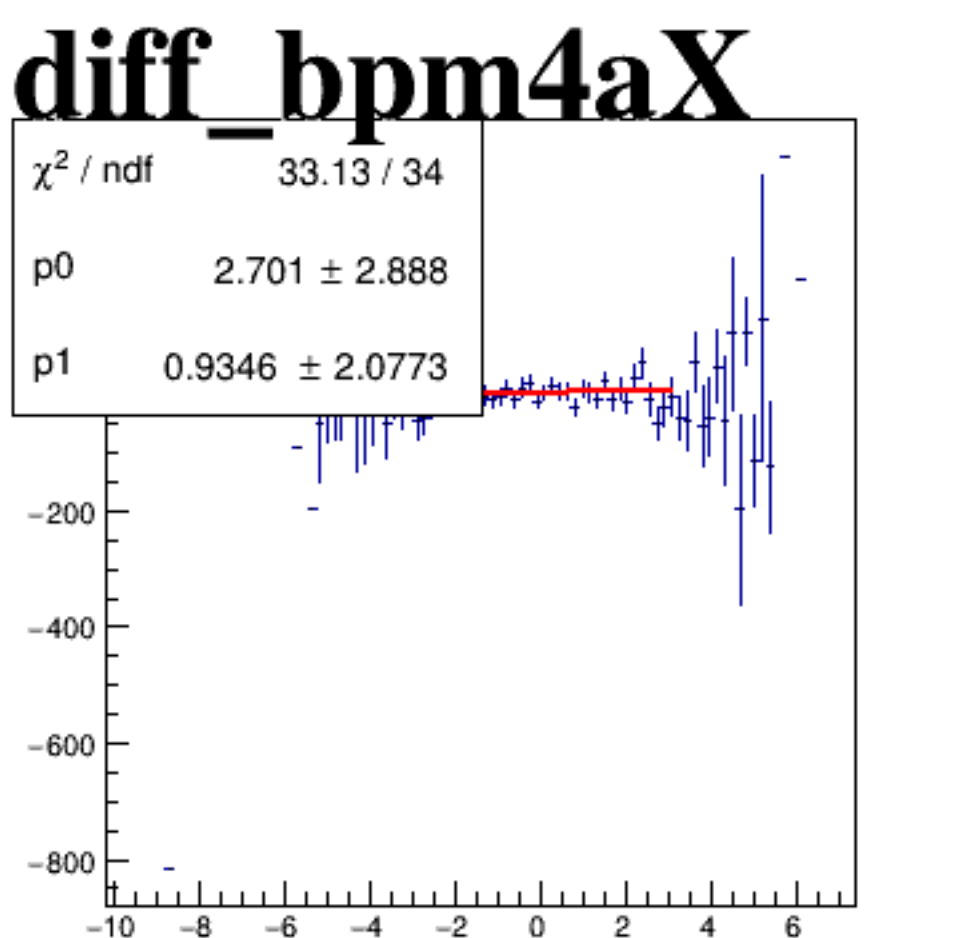
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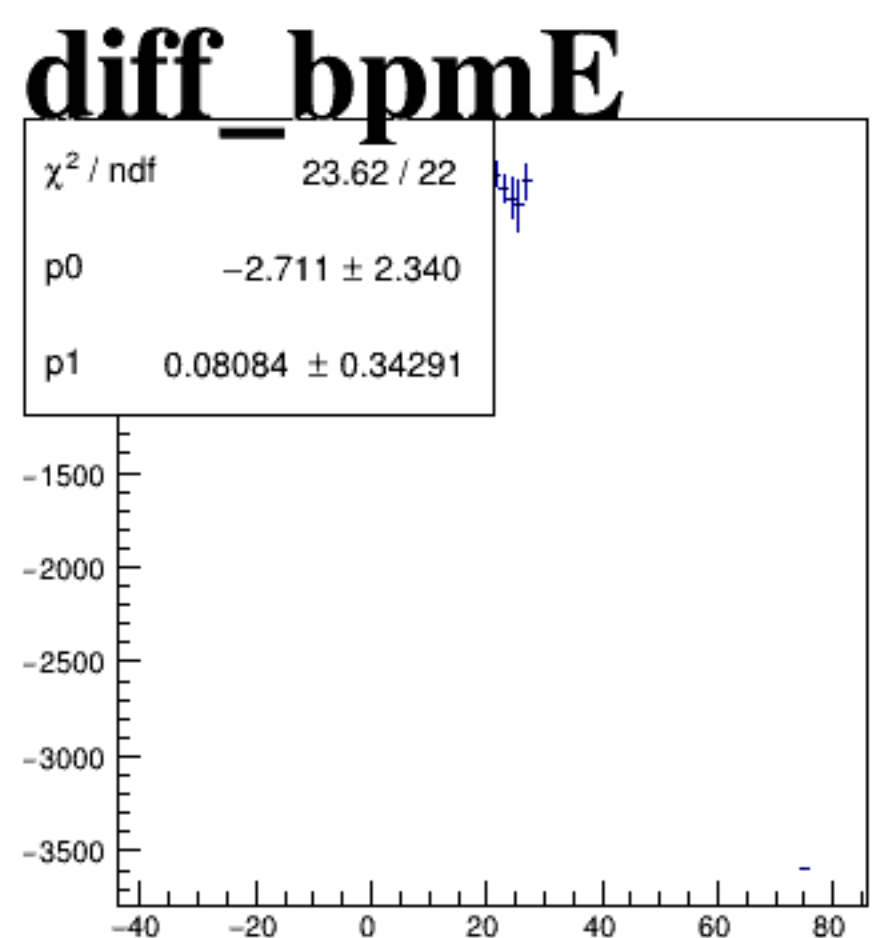
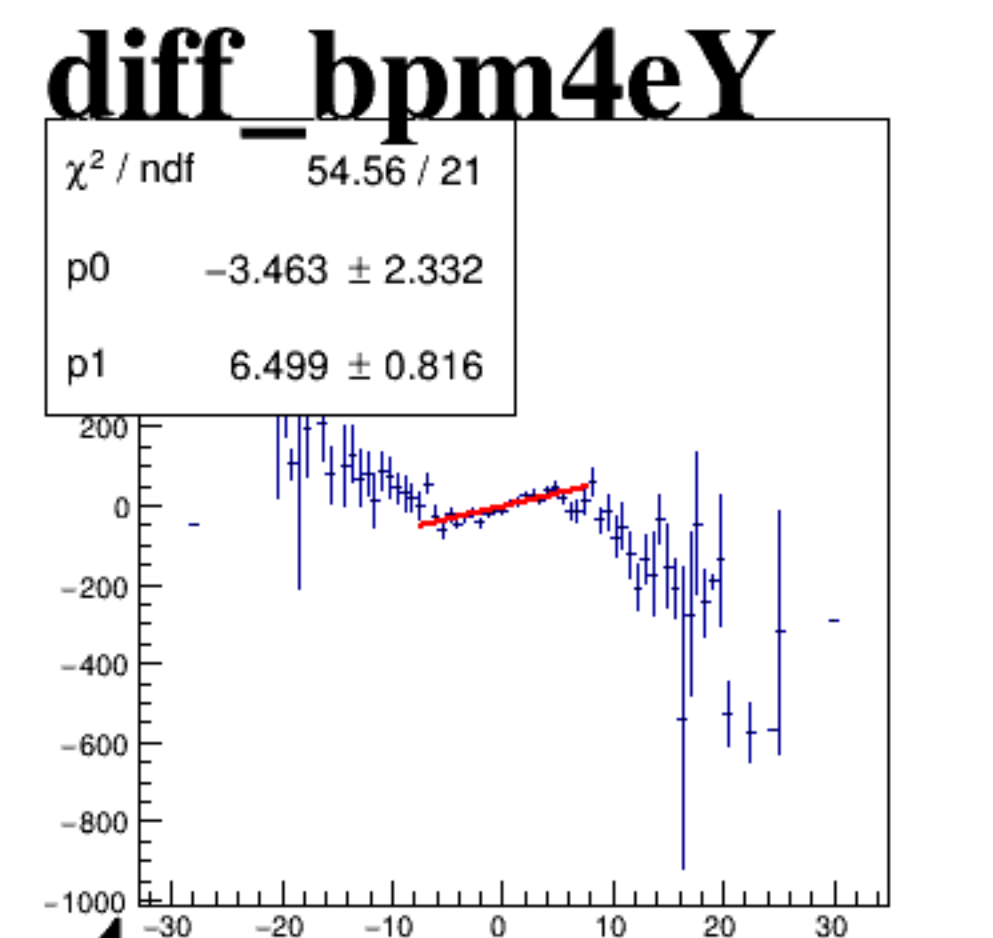
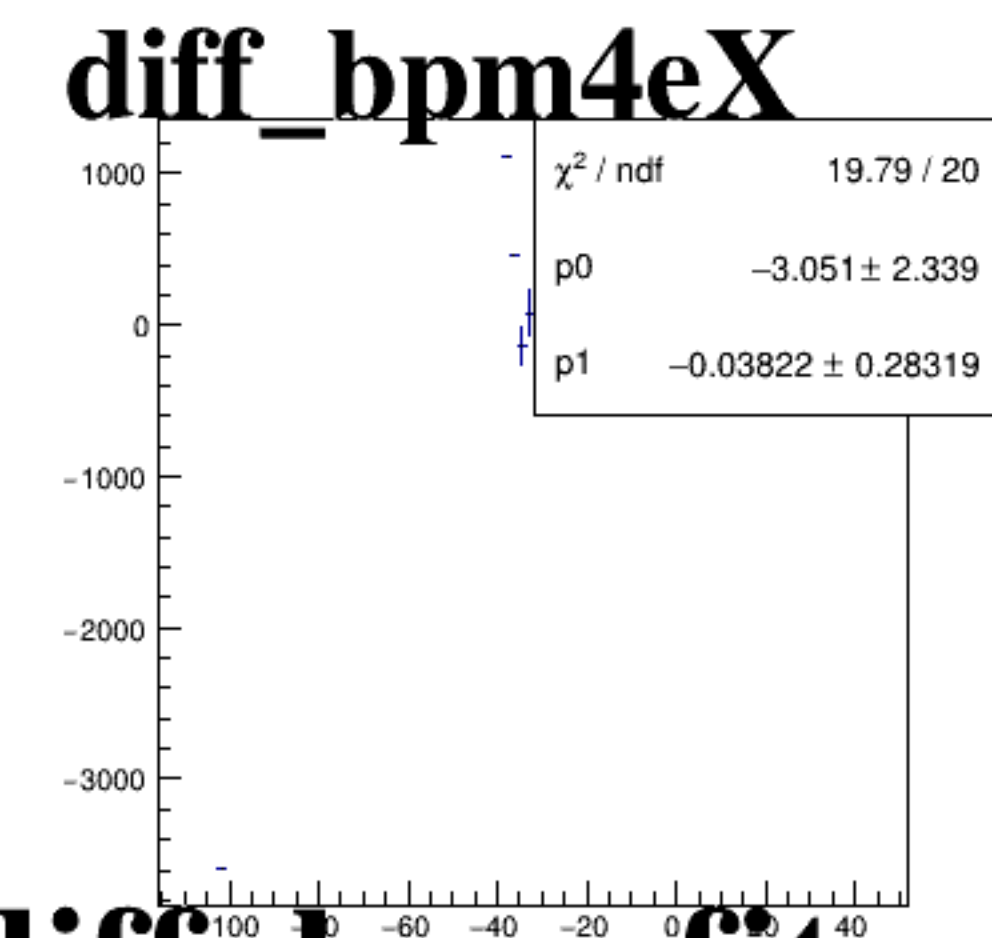
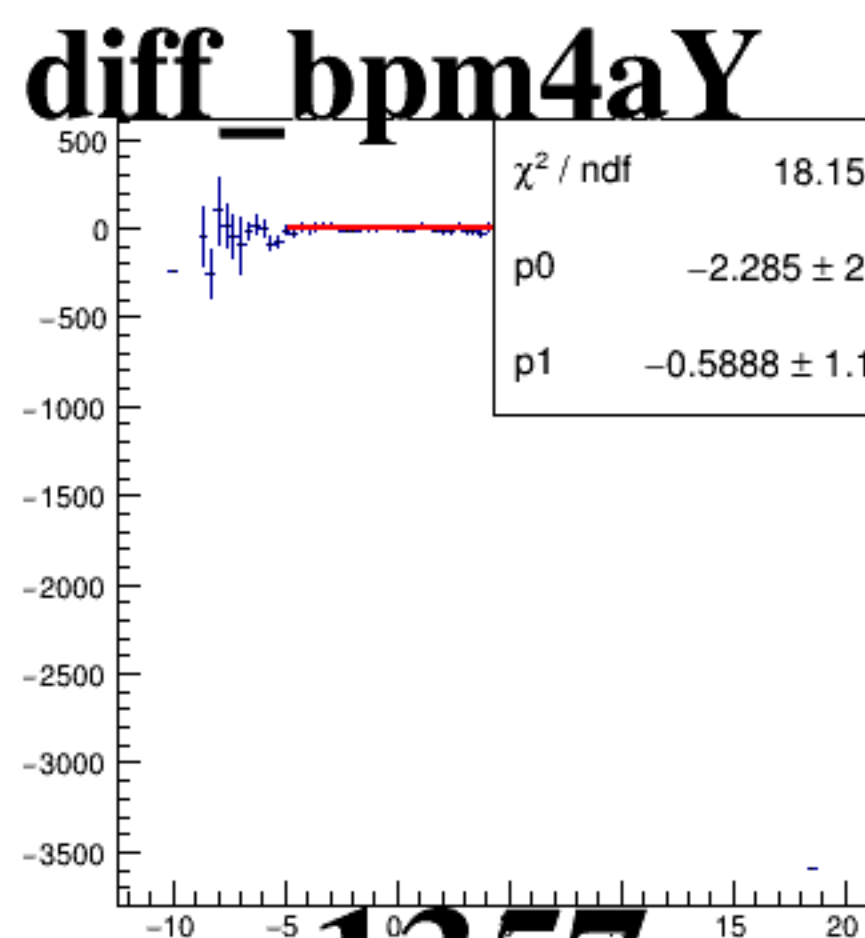
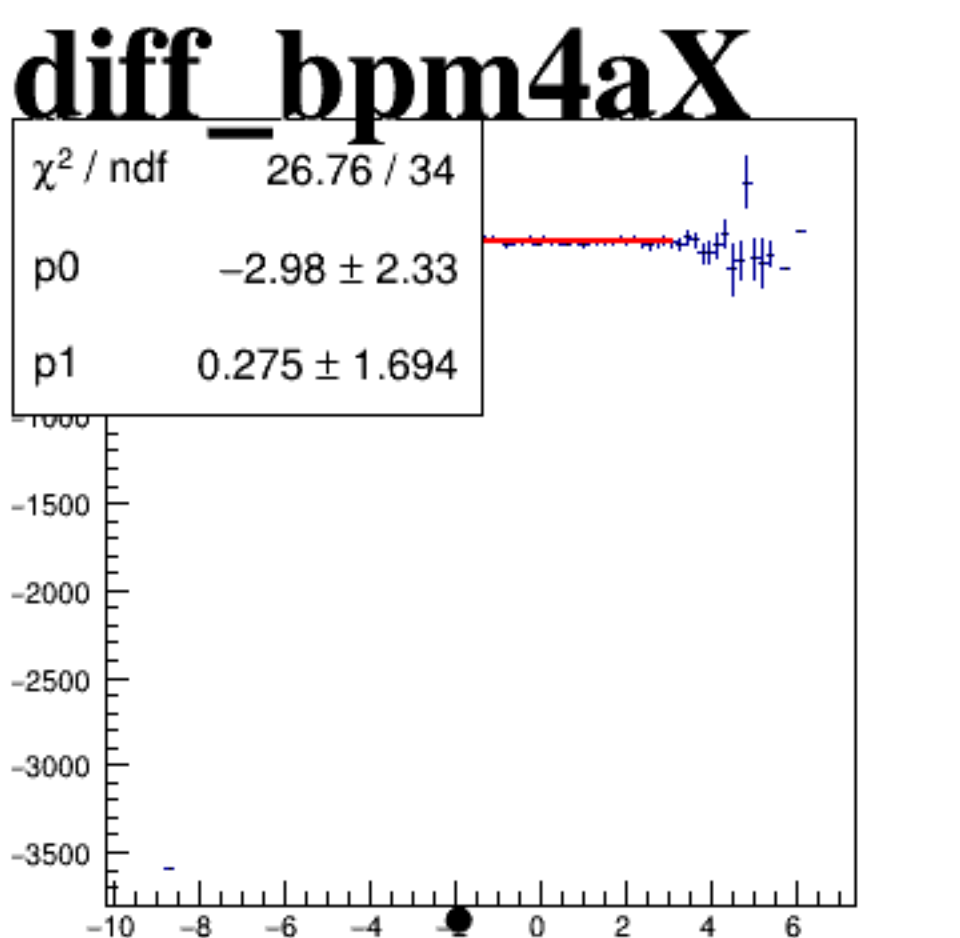
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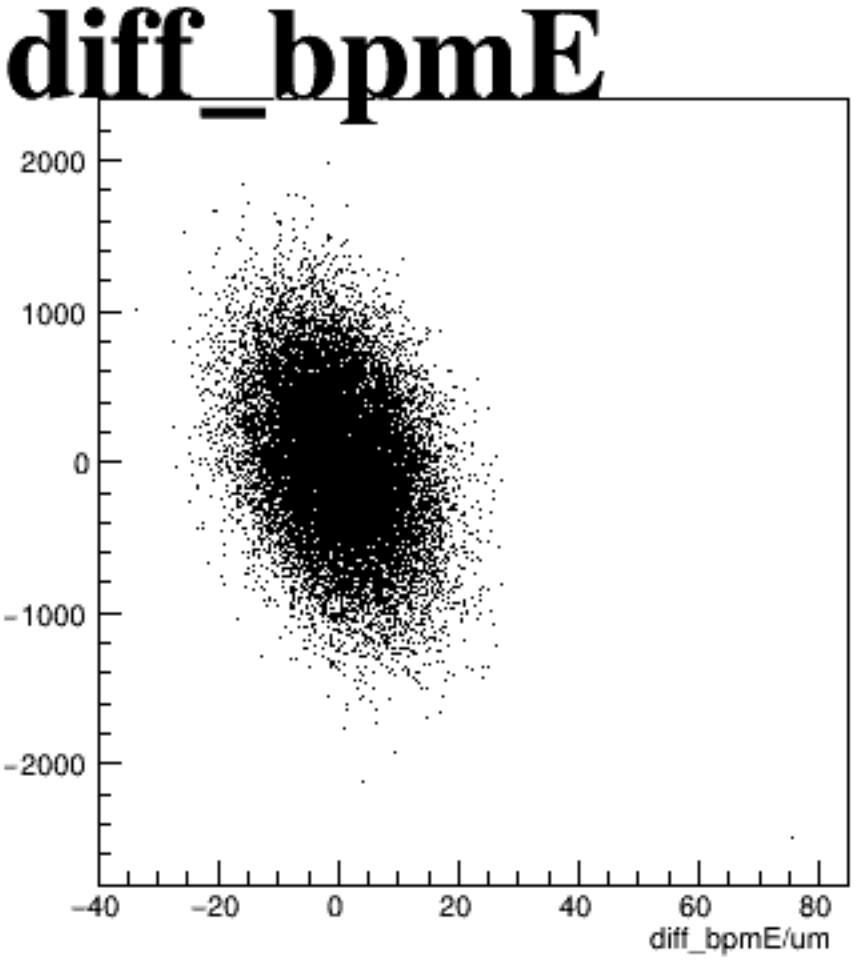
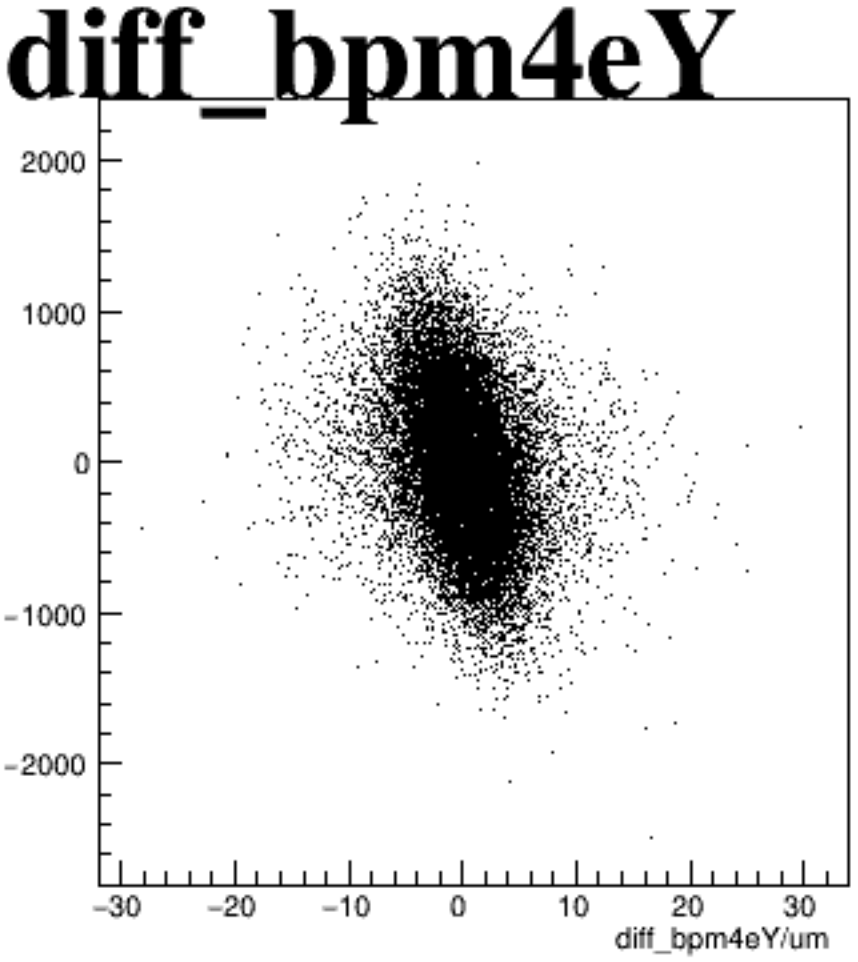
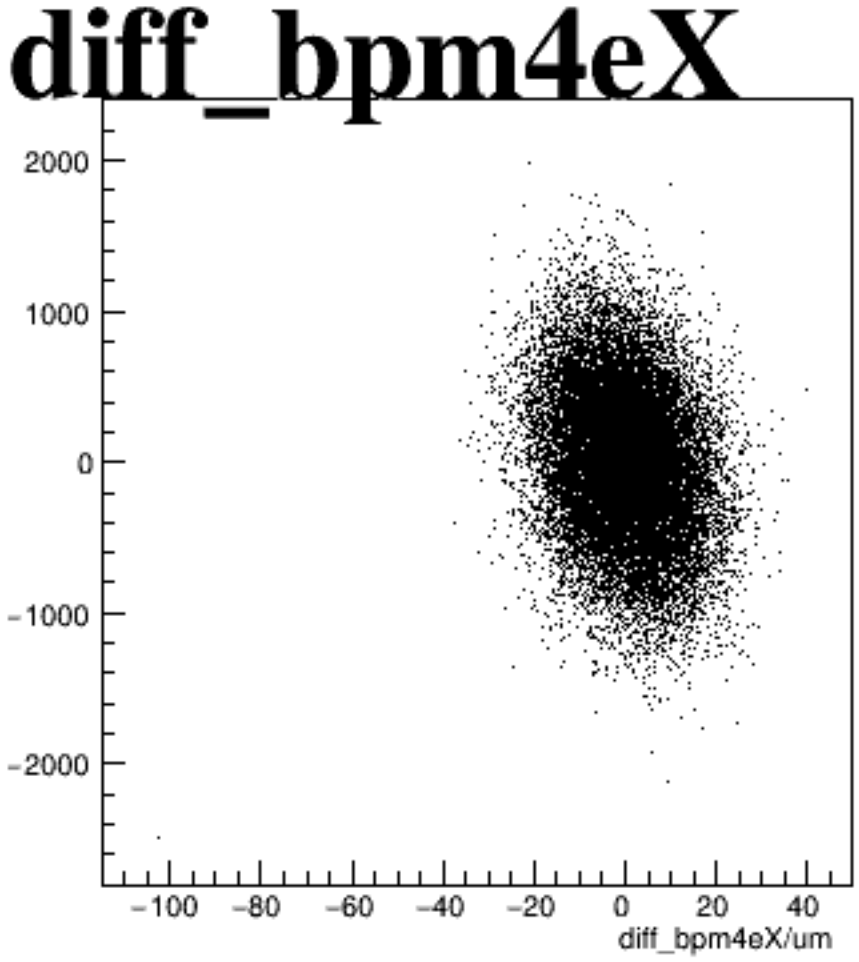
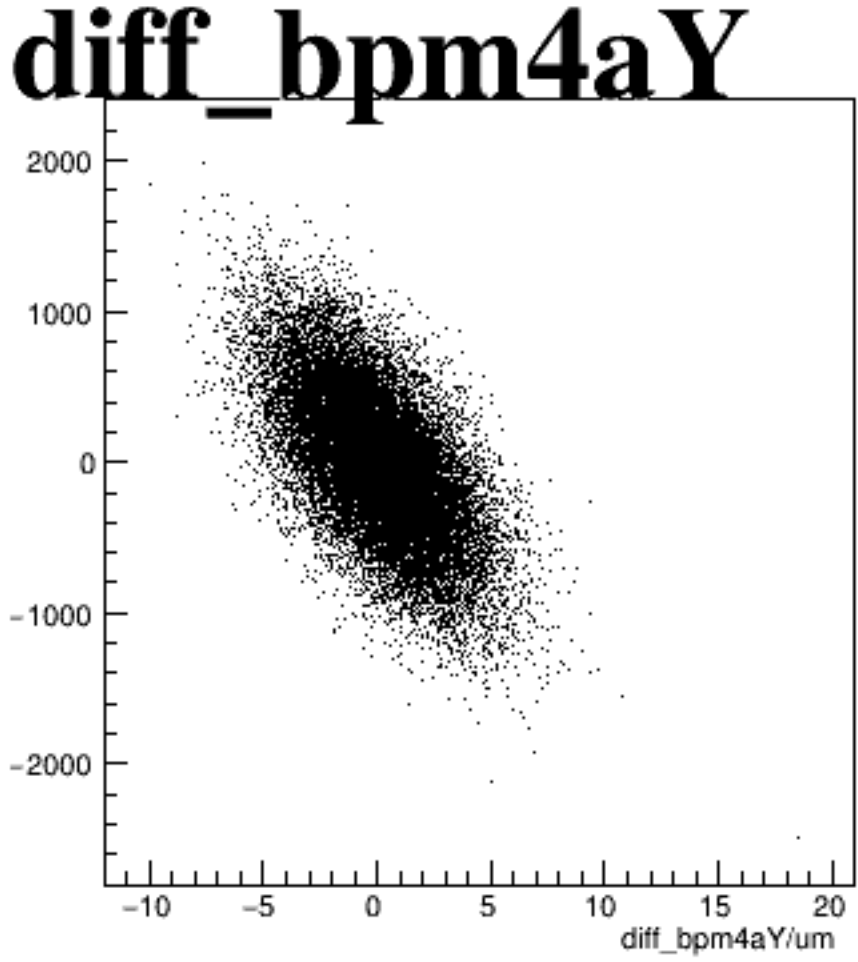
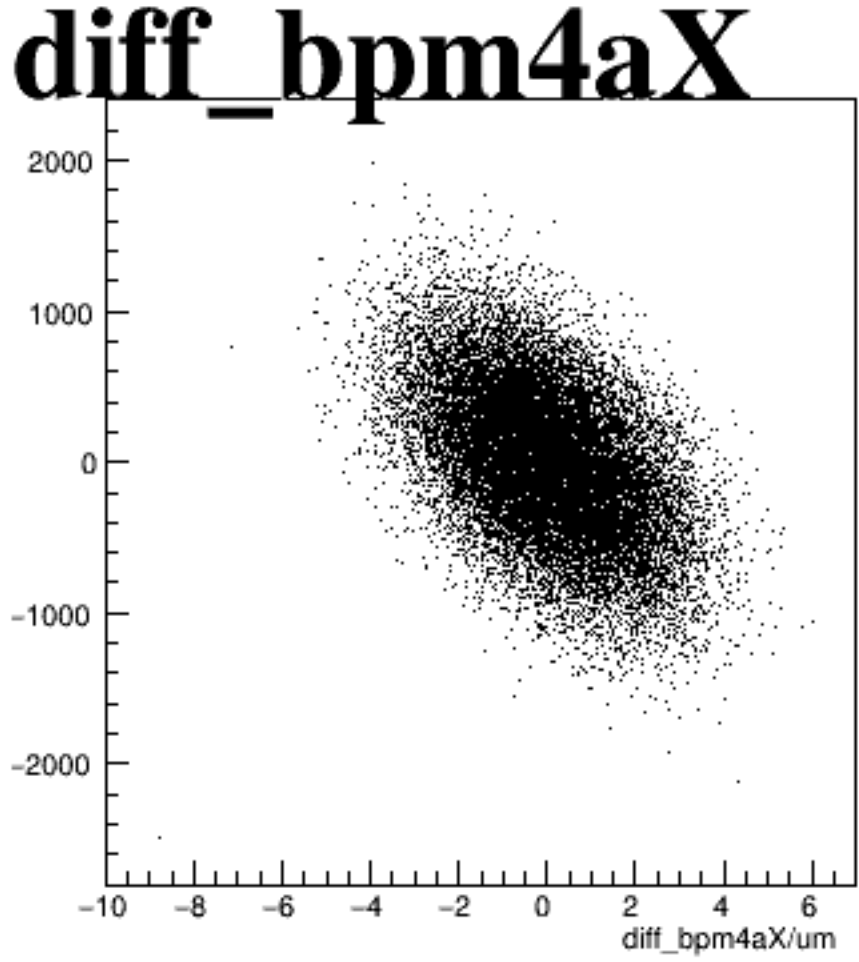
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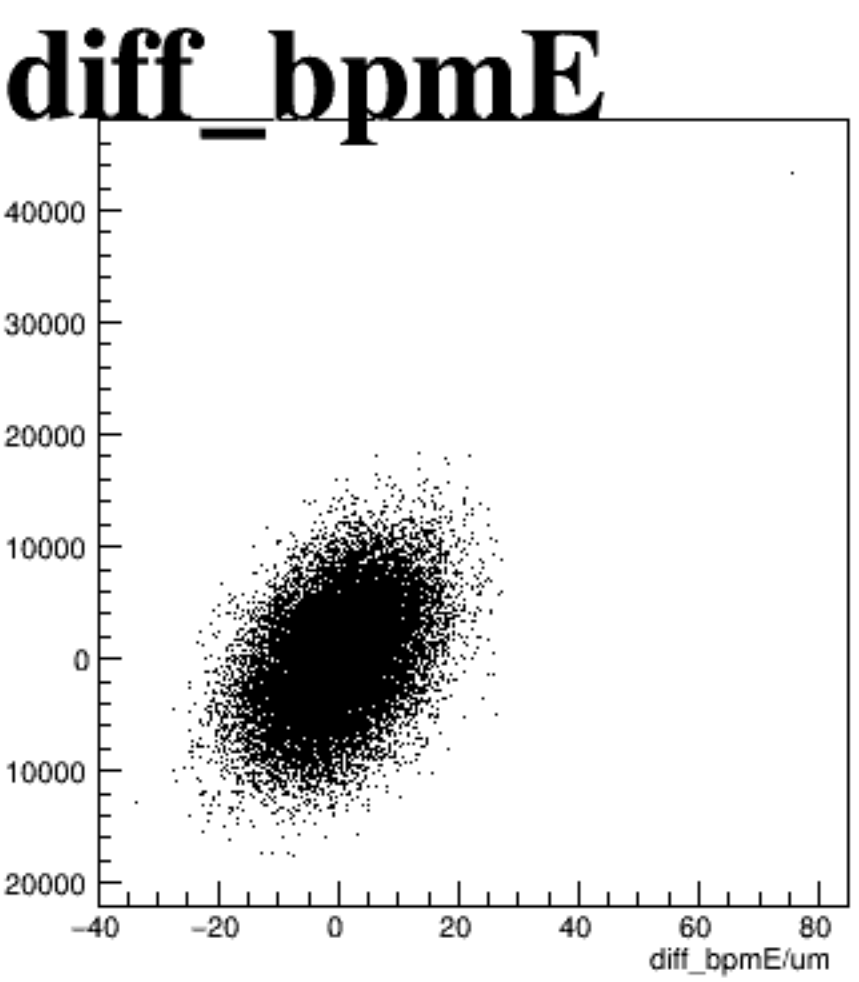
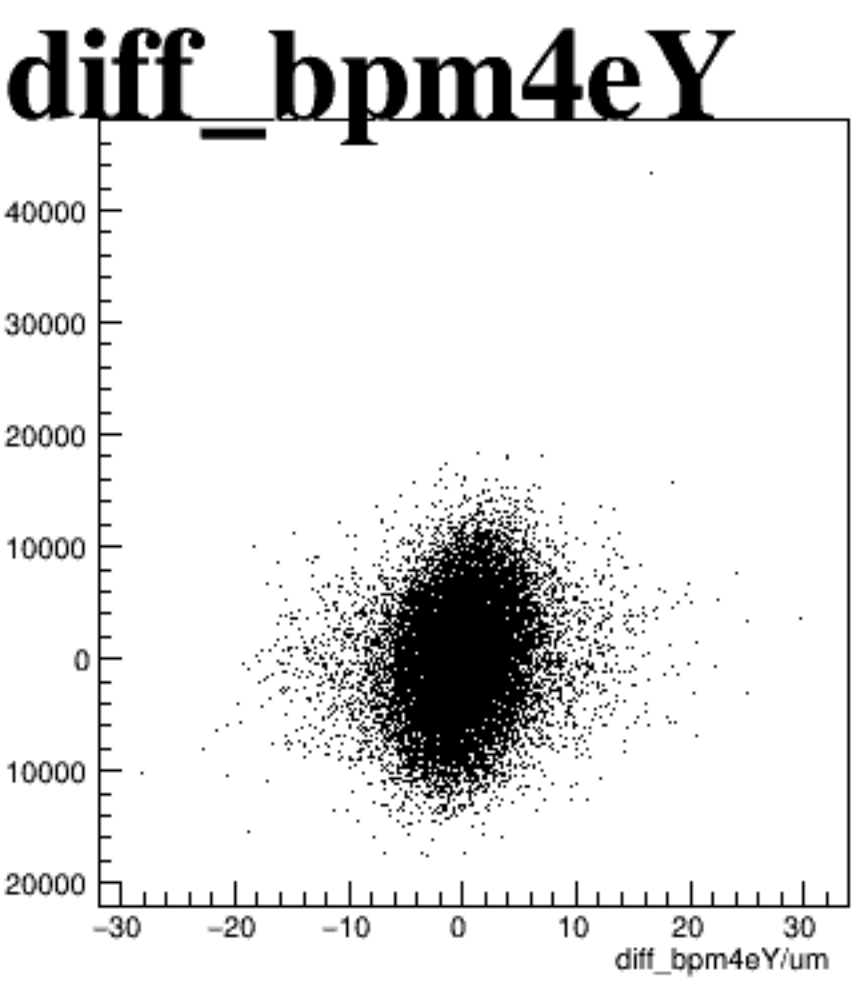
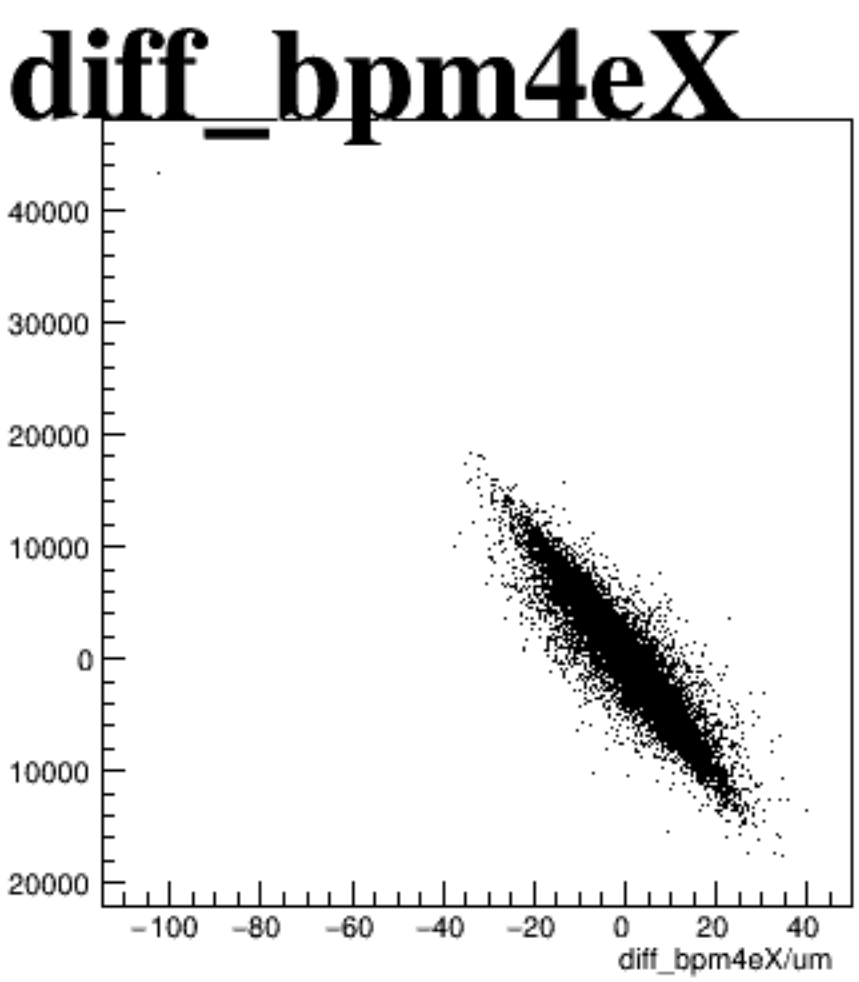
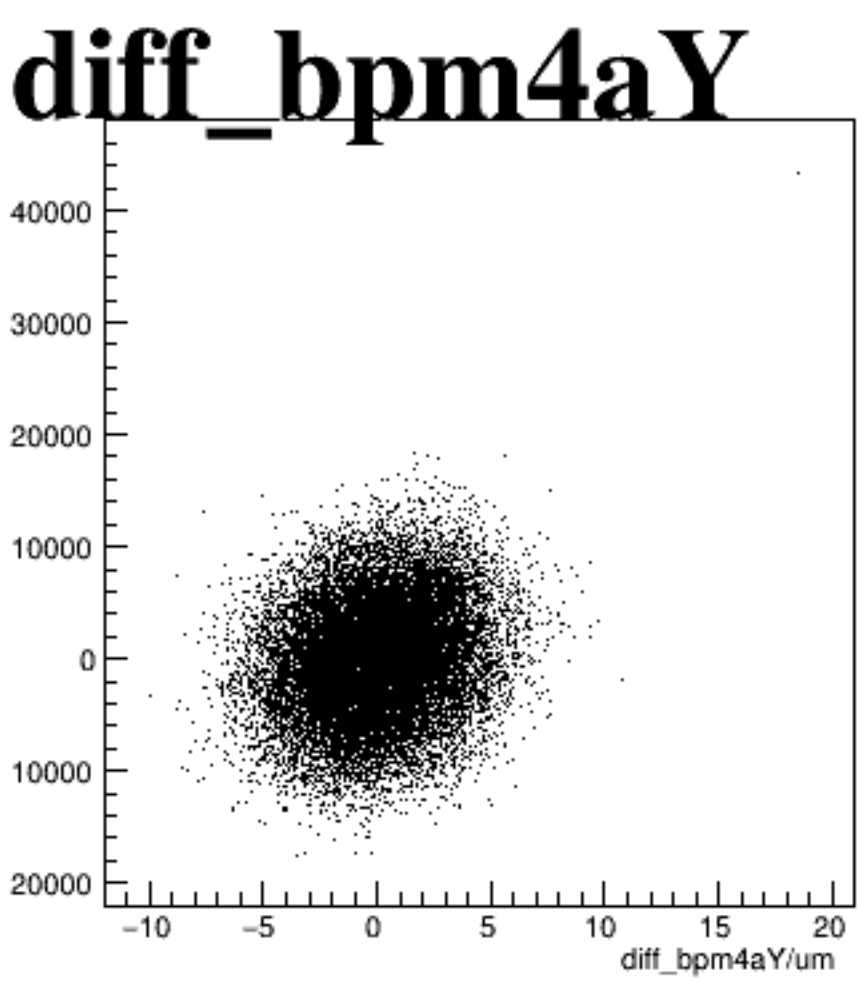
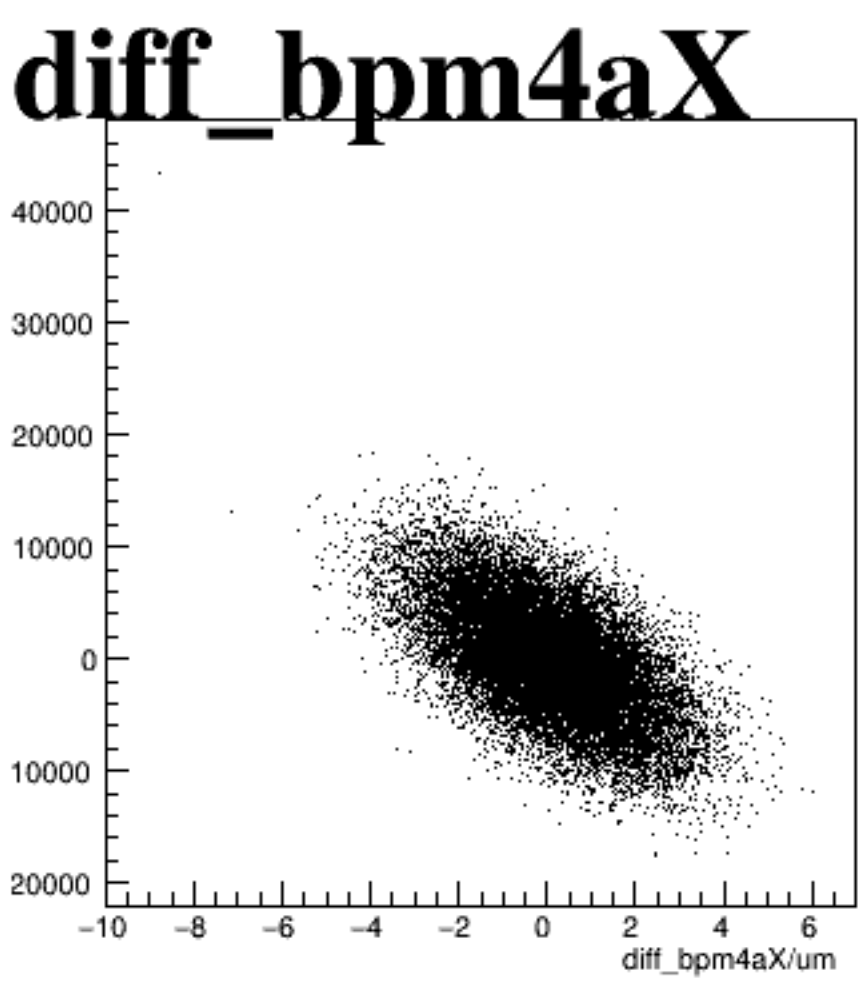
reg_asym_sam7



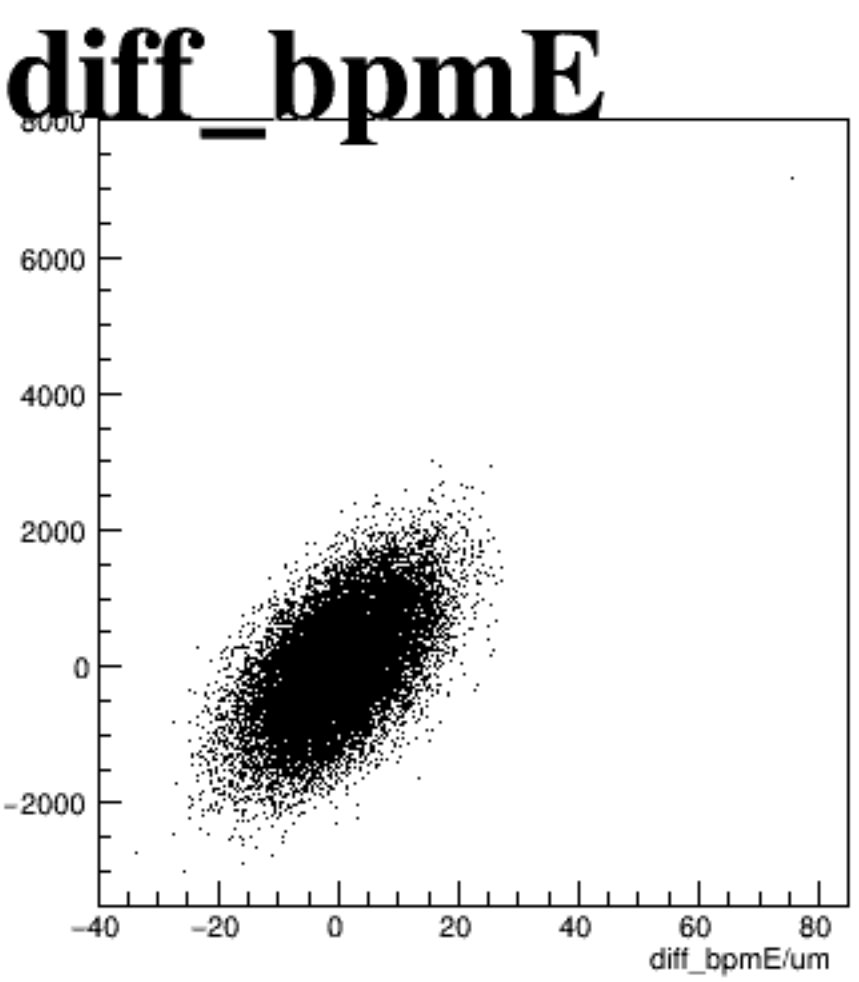
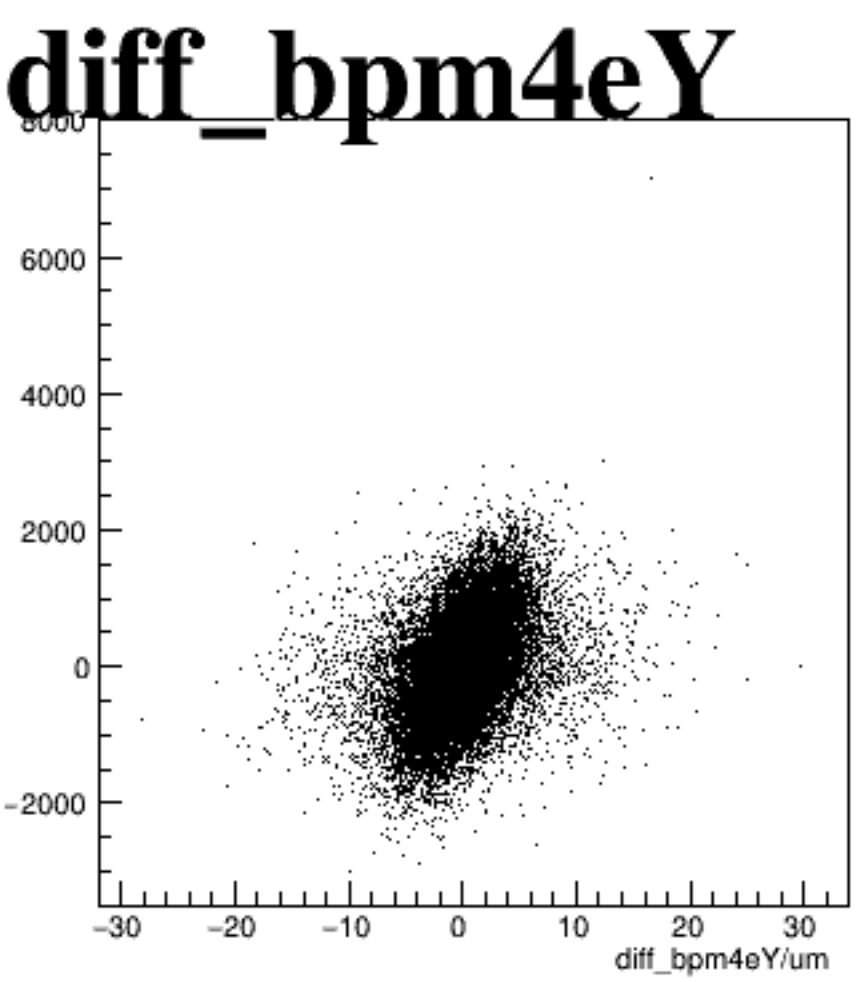
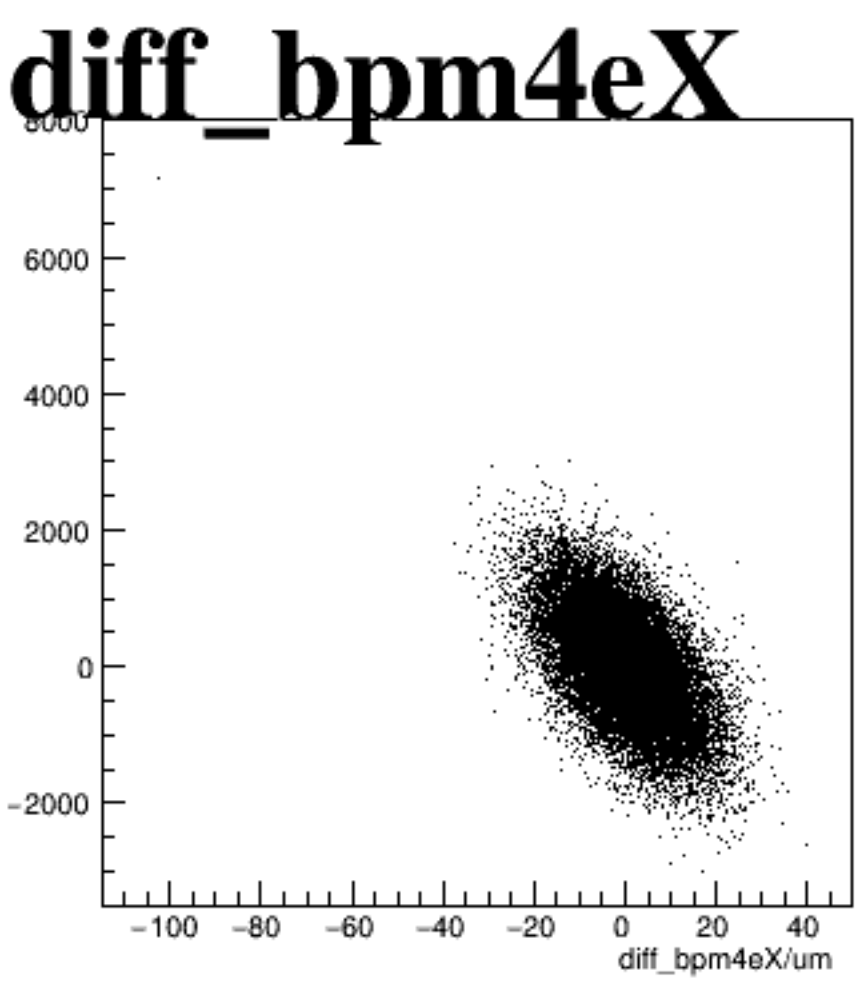
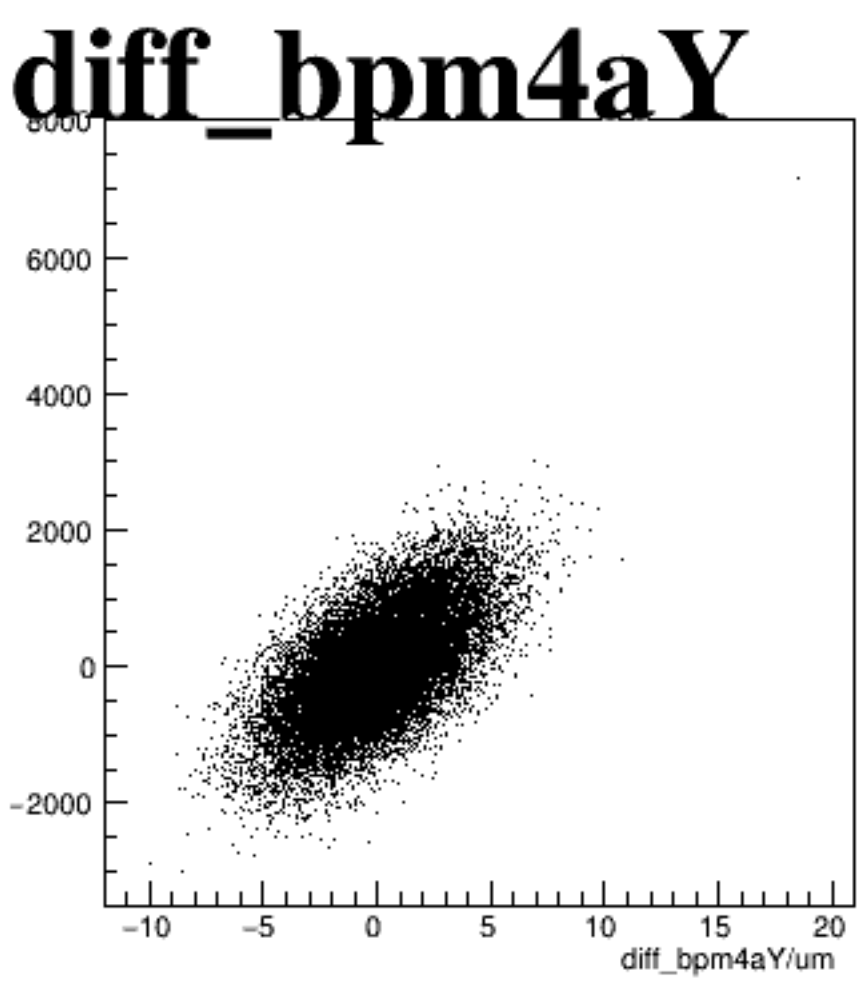
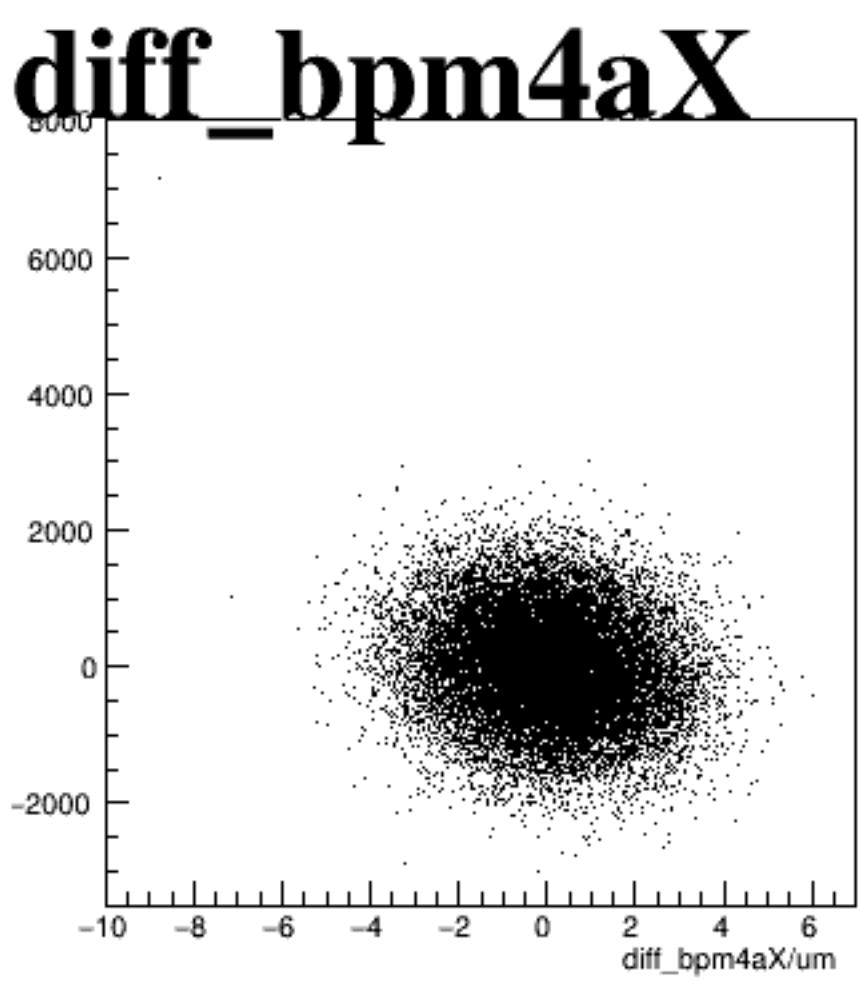
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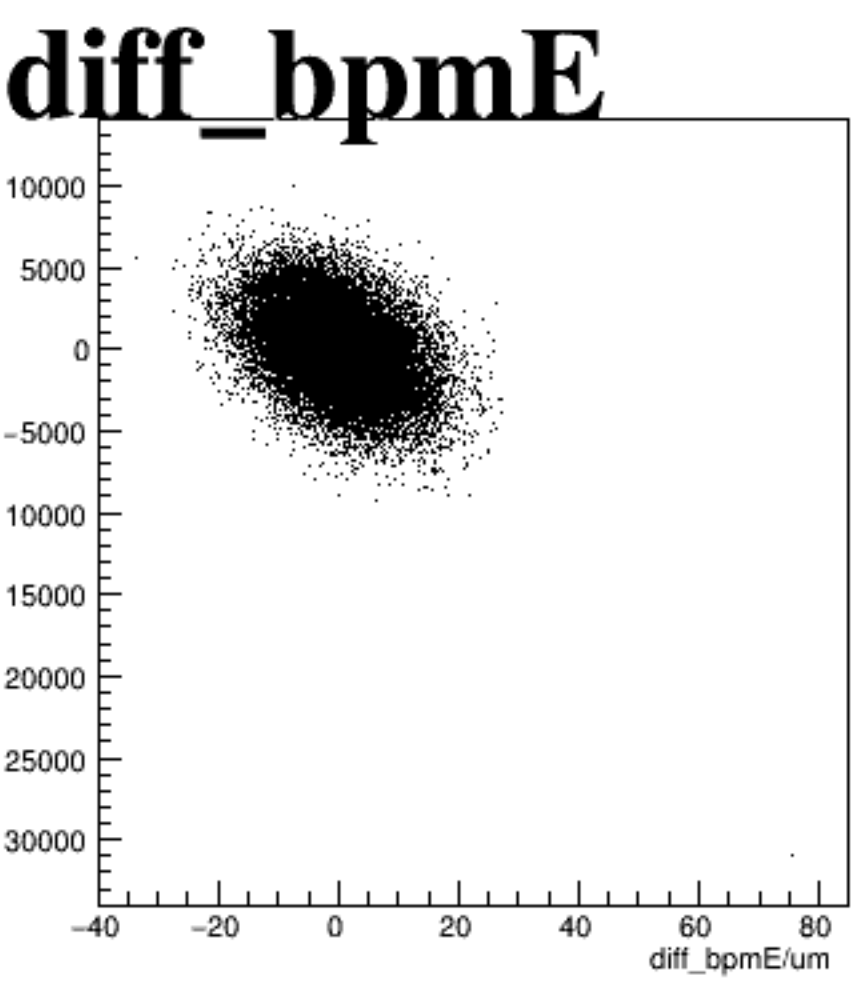
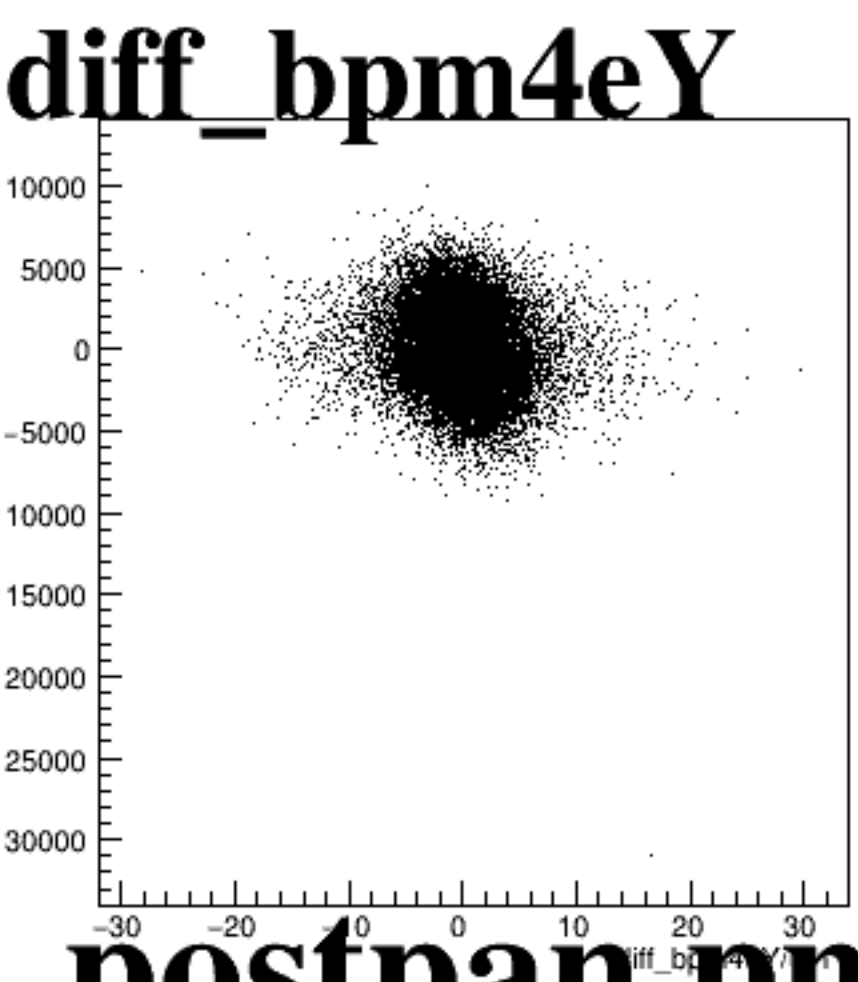
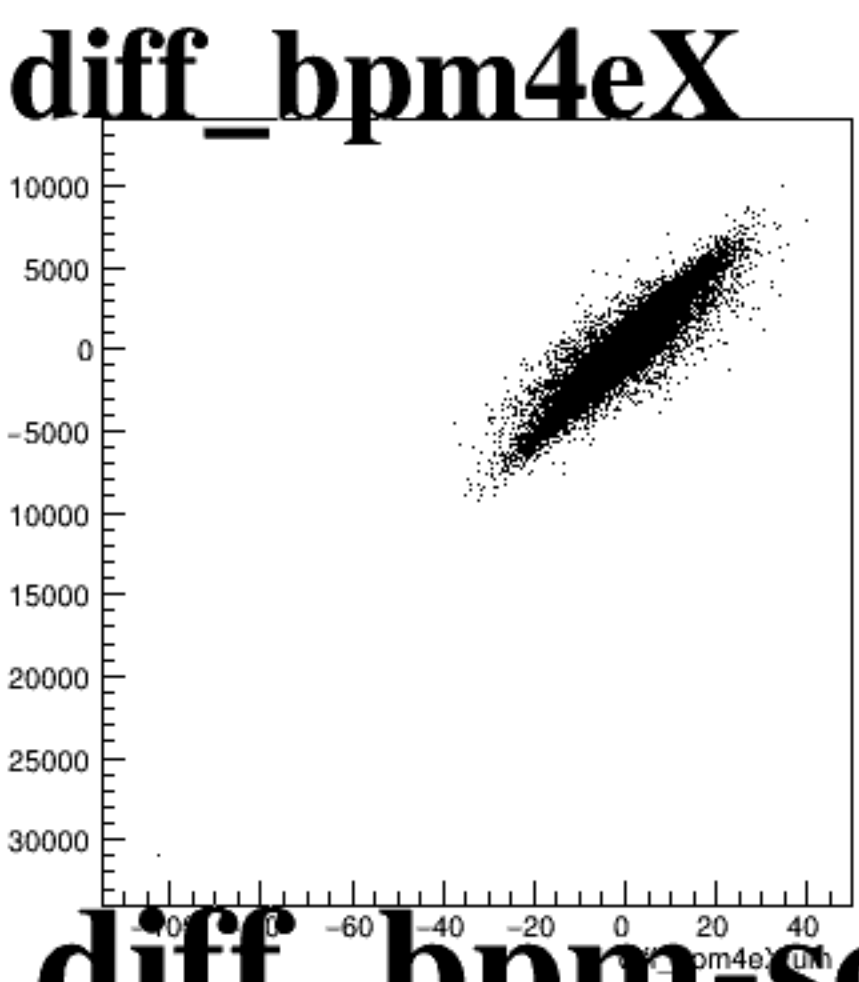
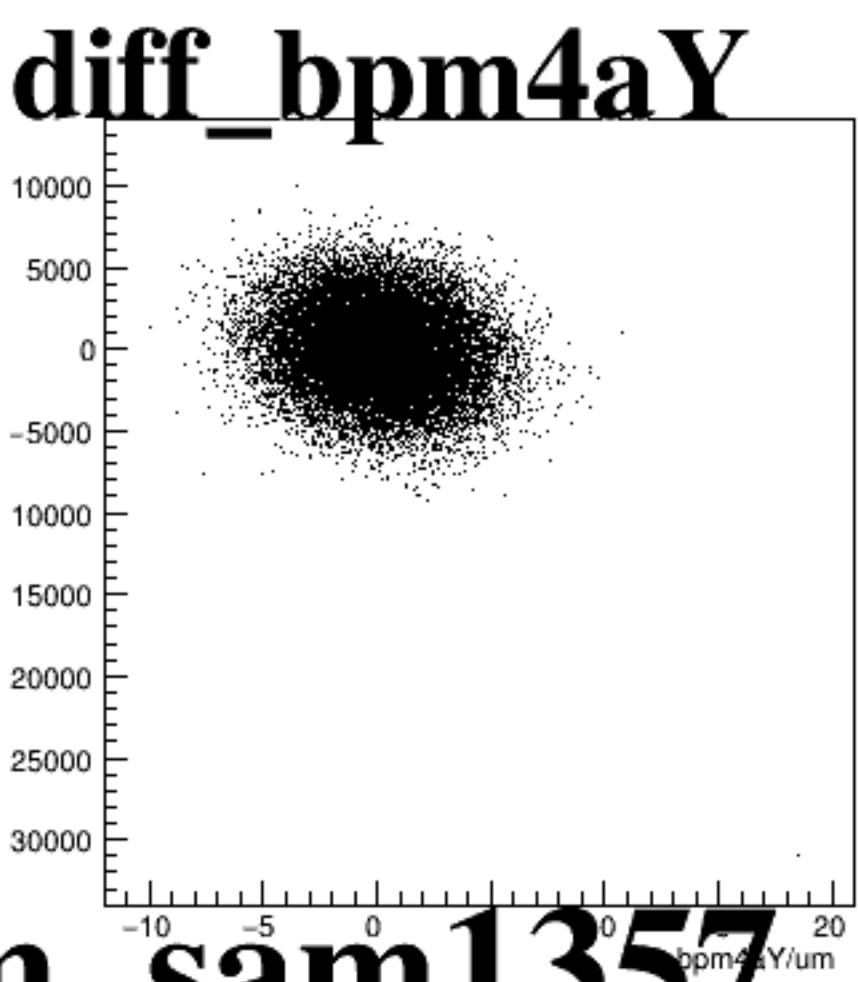
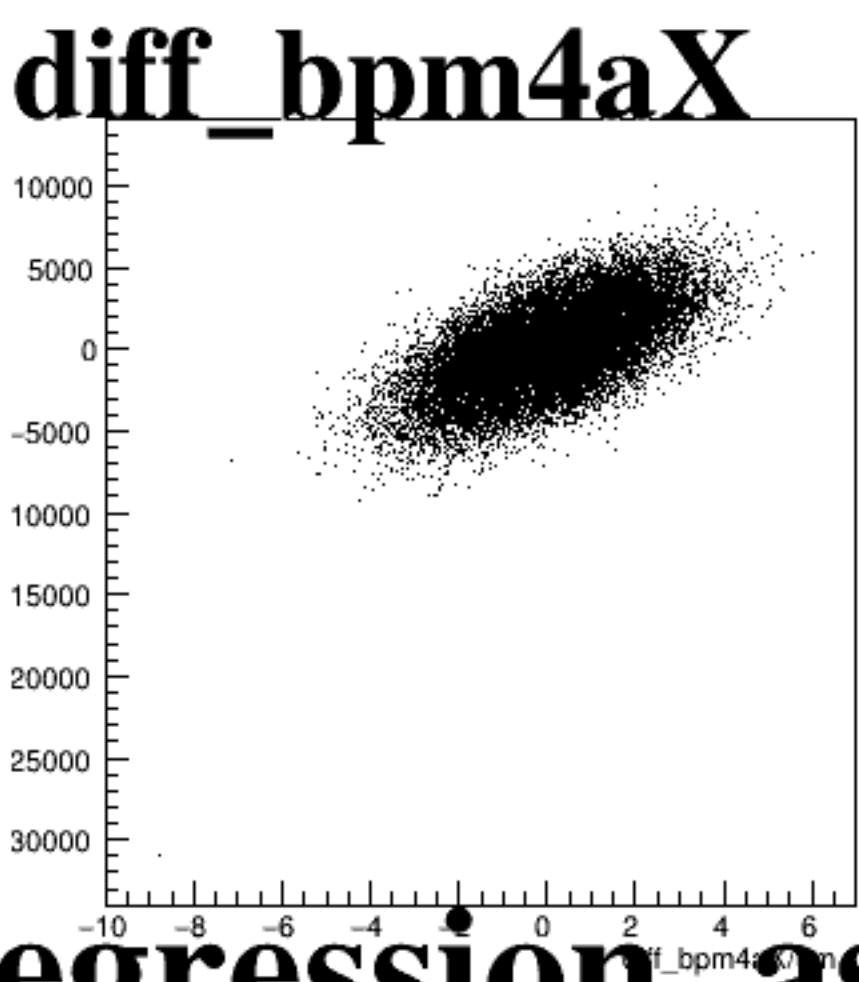
asym_sam3



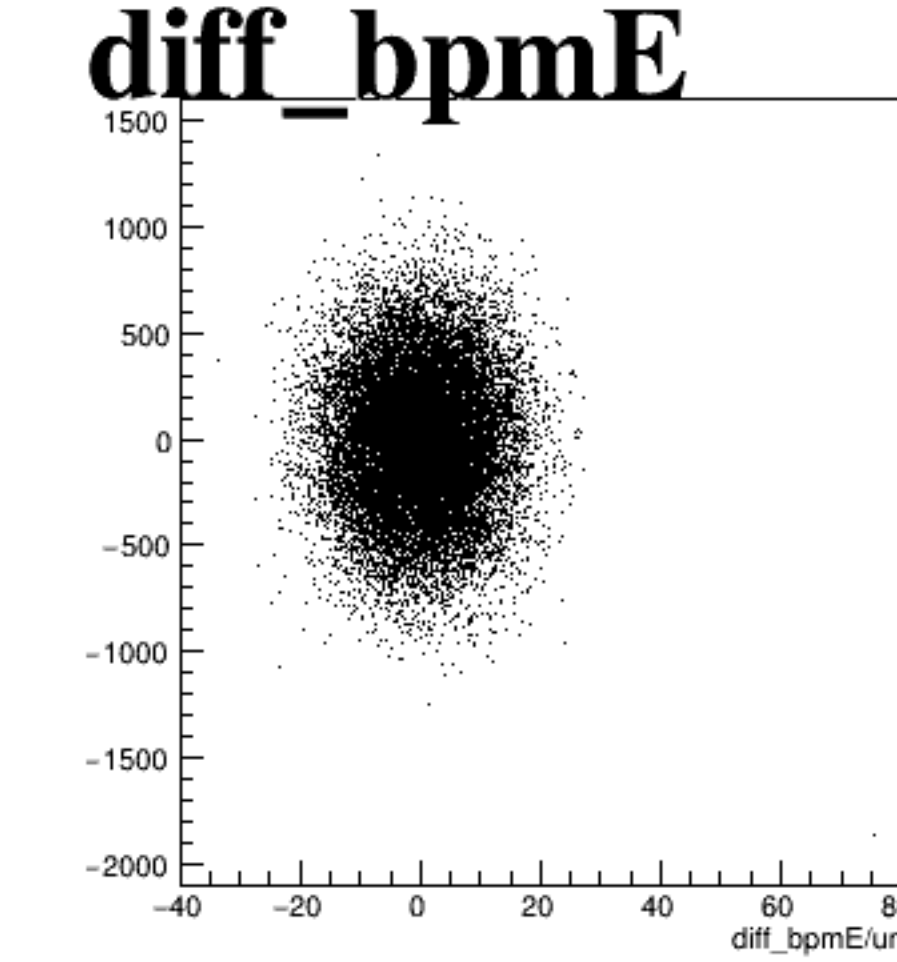
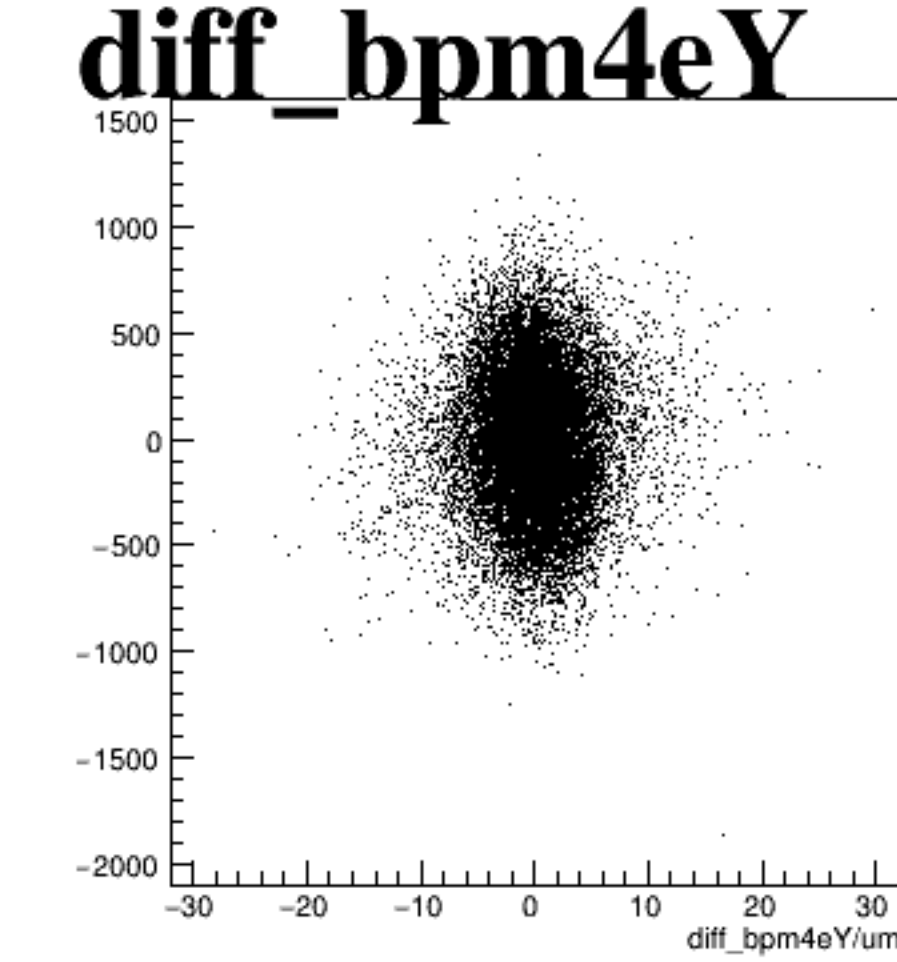
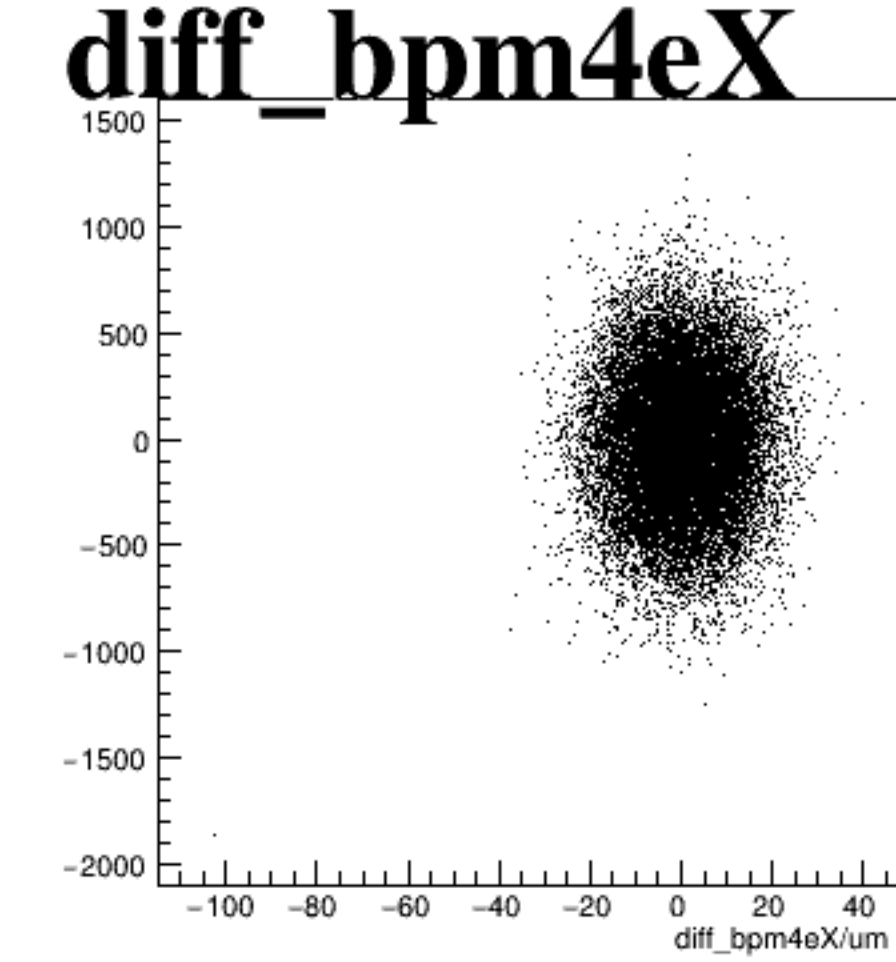
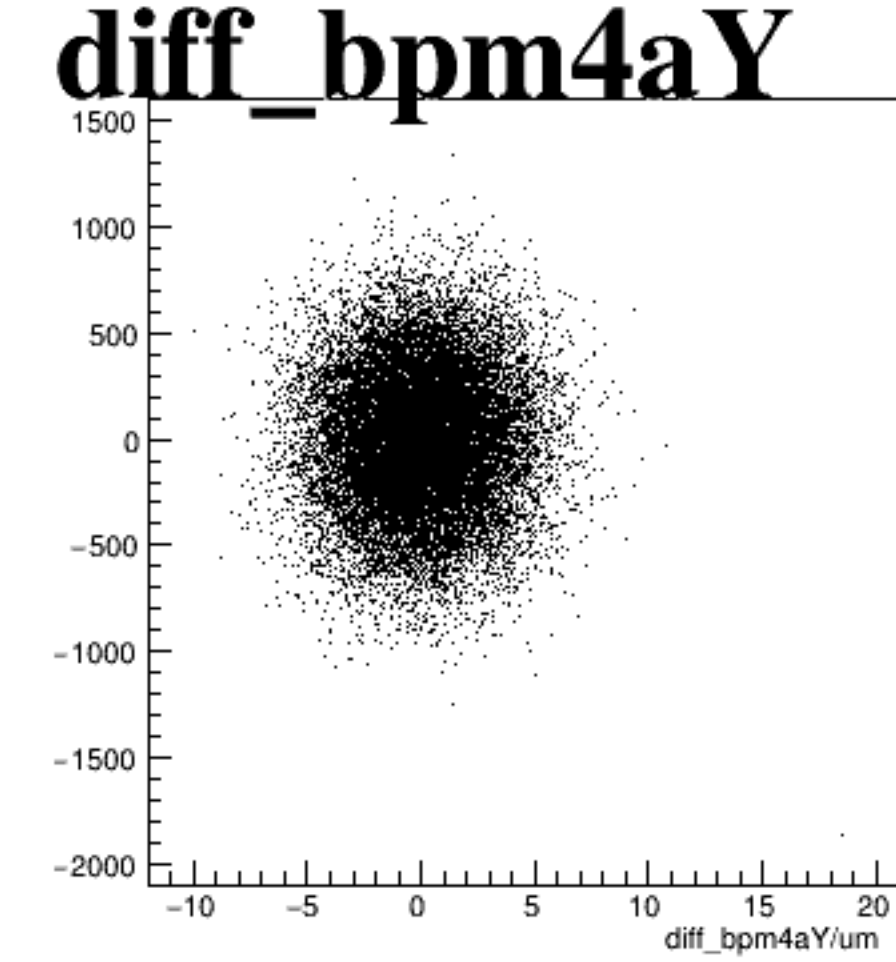
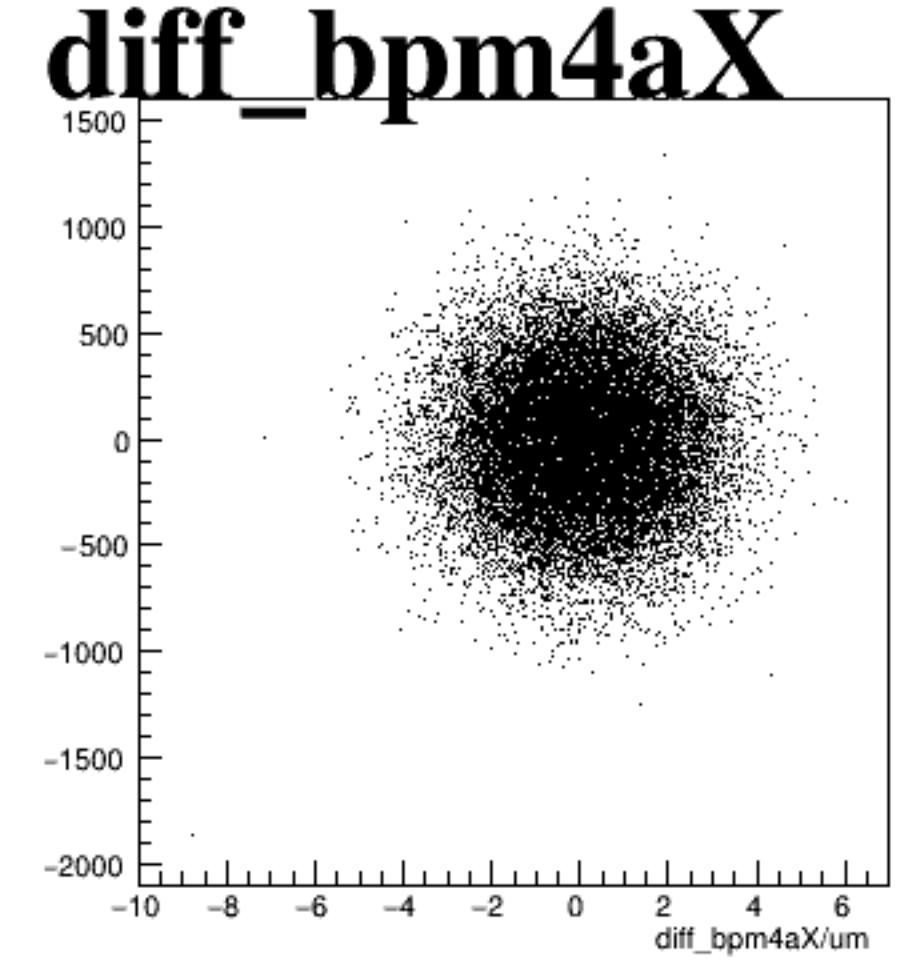
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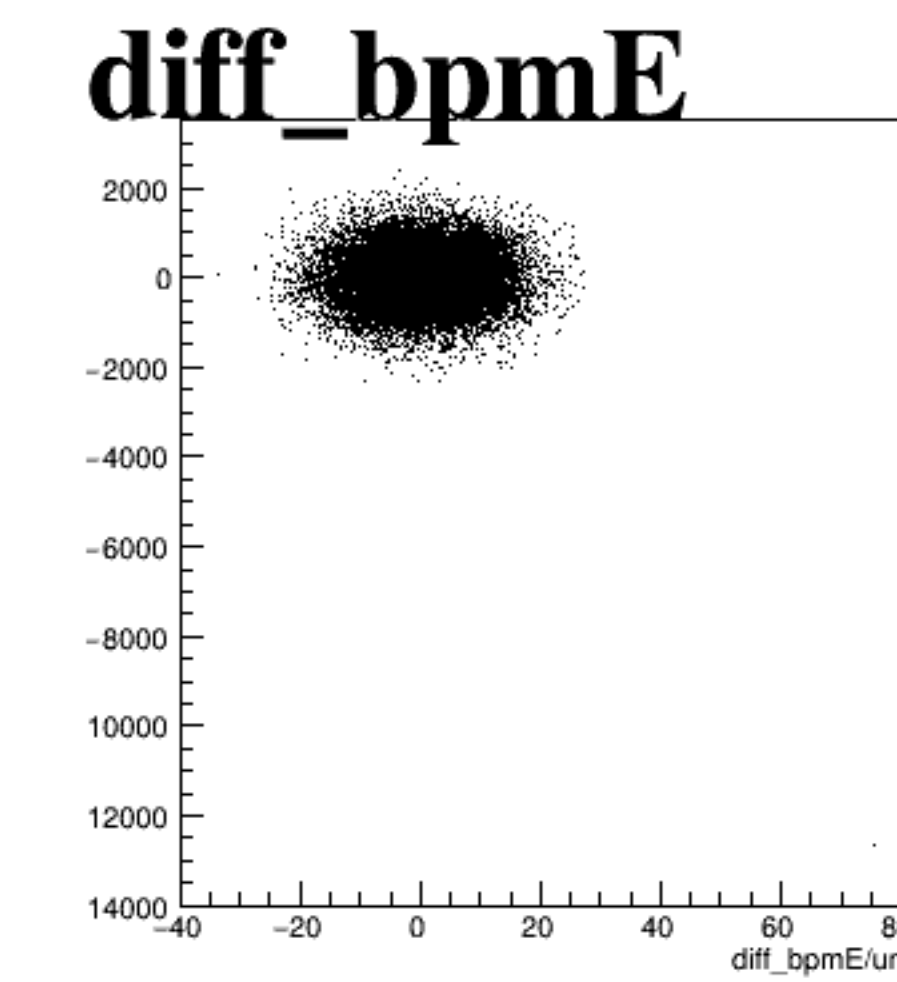
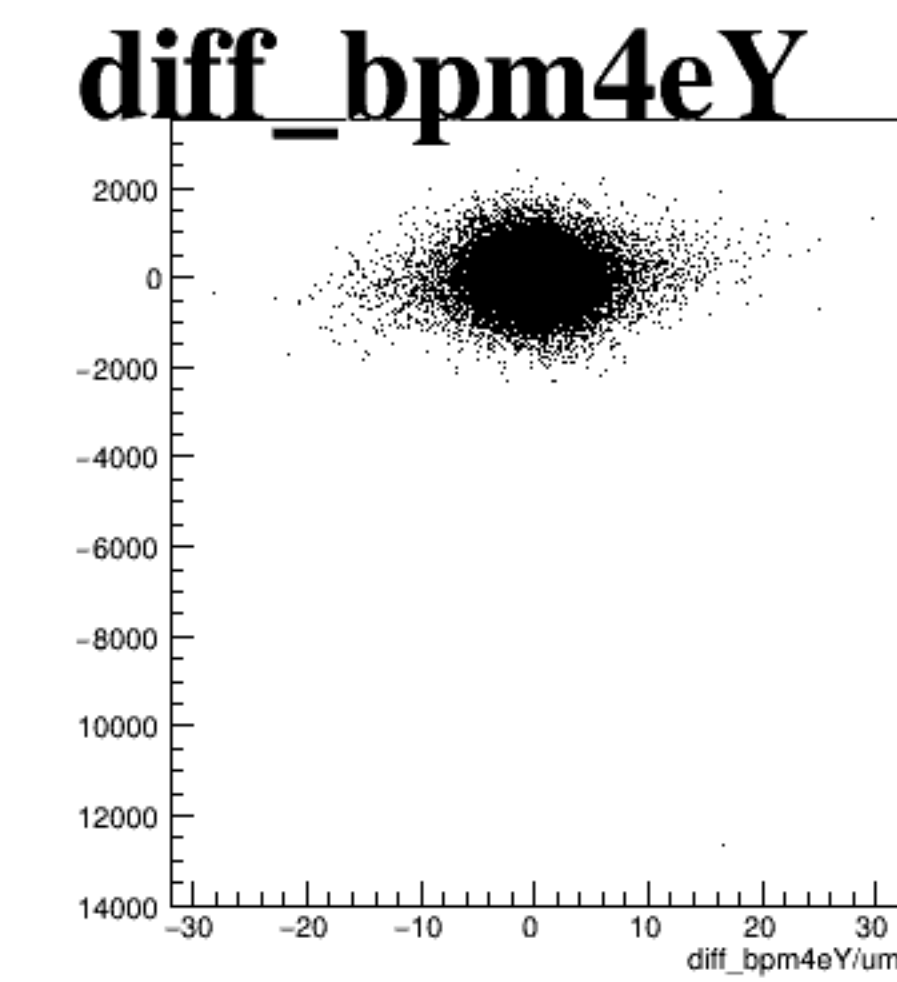
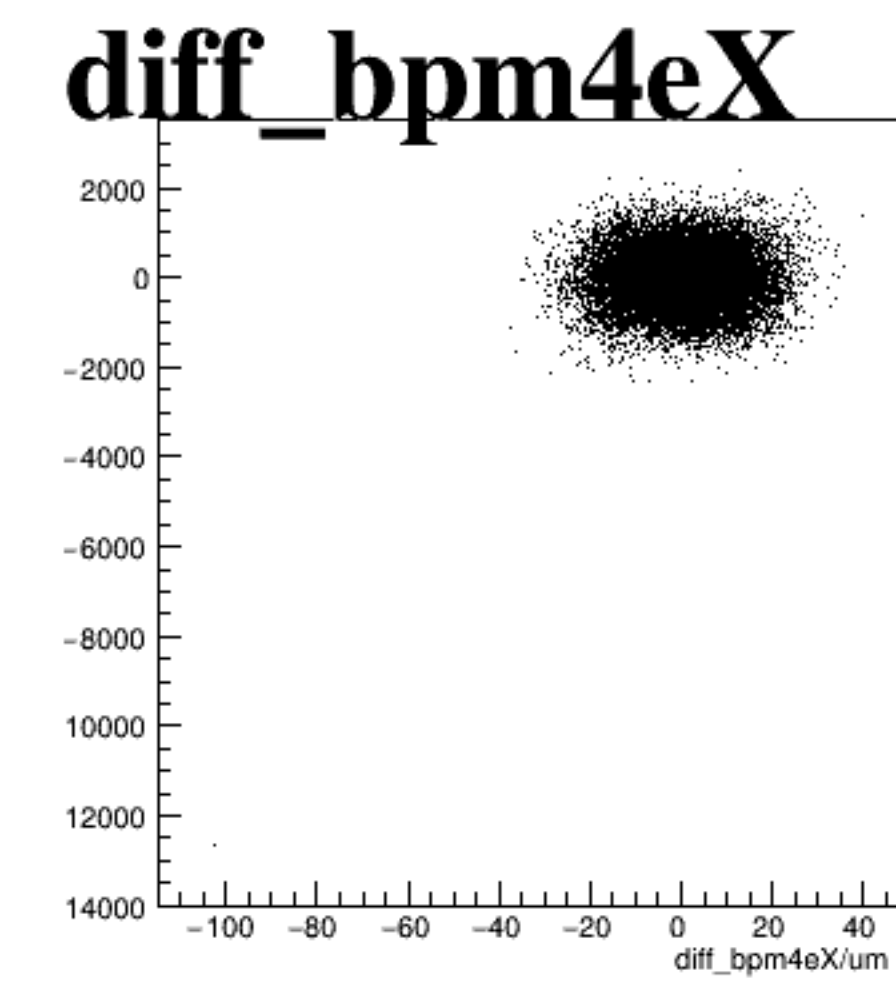
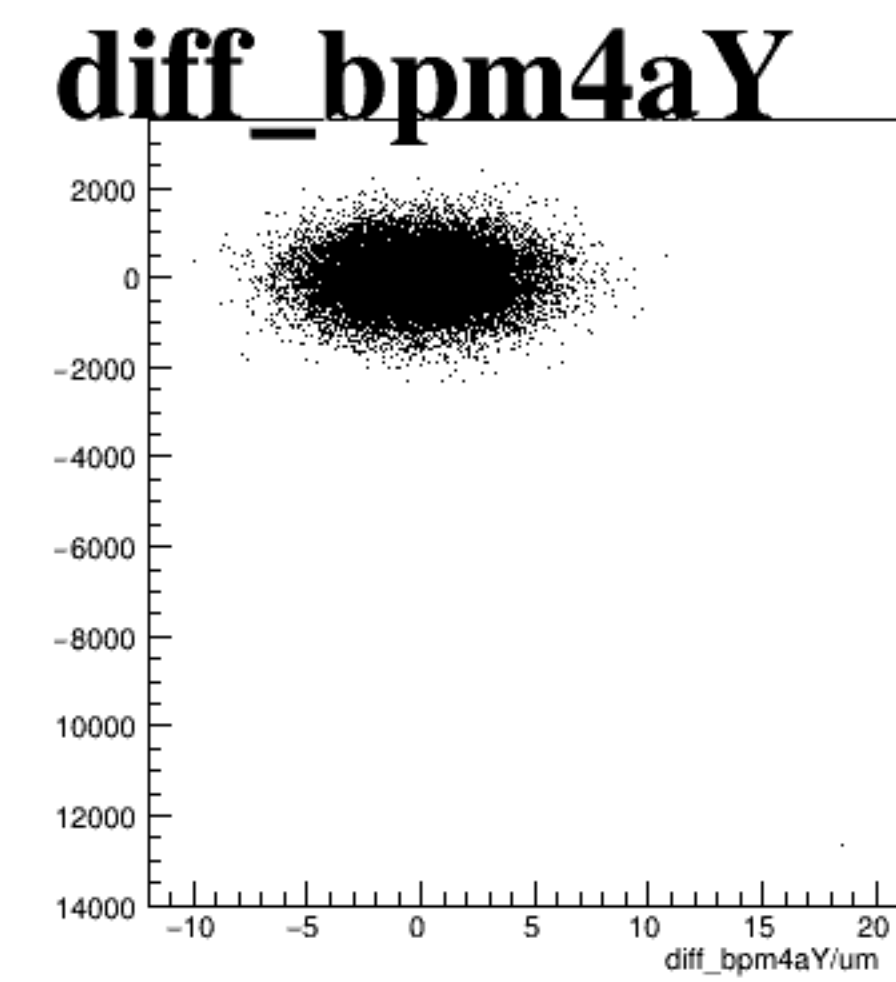
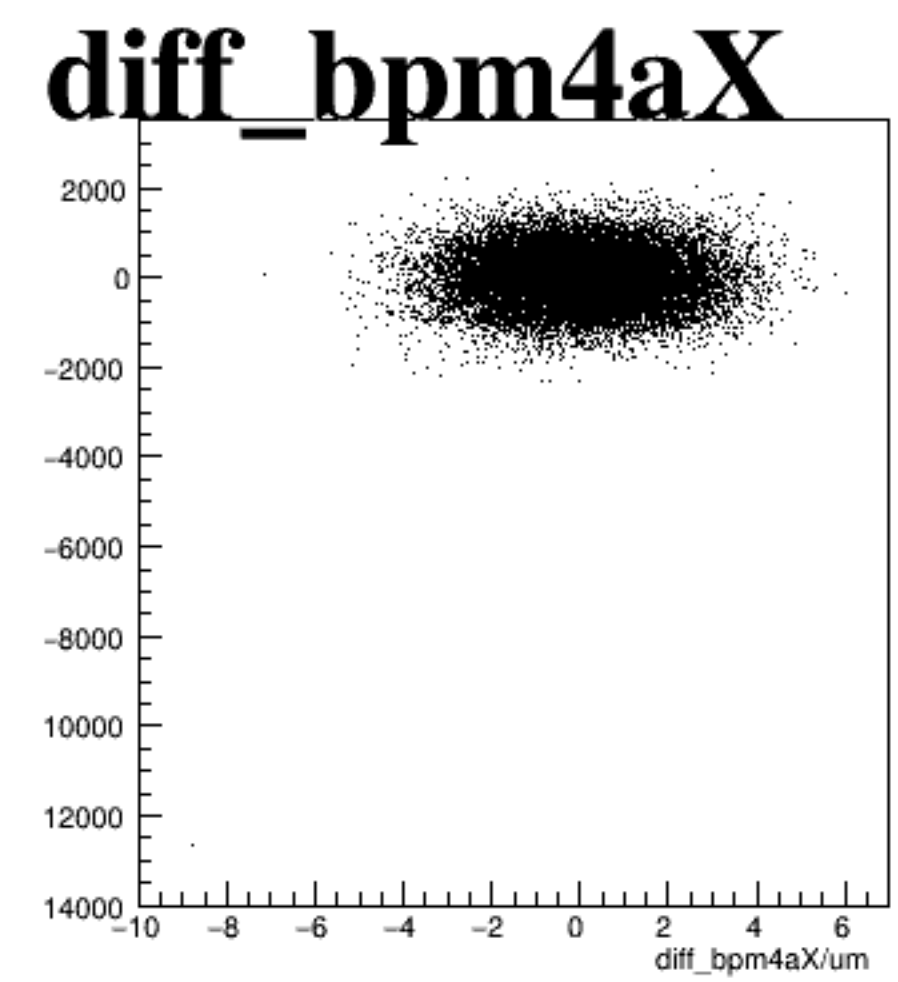
asym_sam7



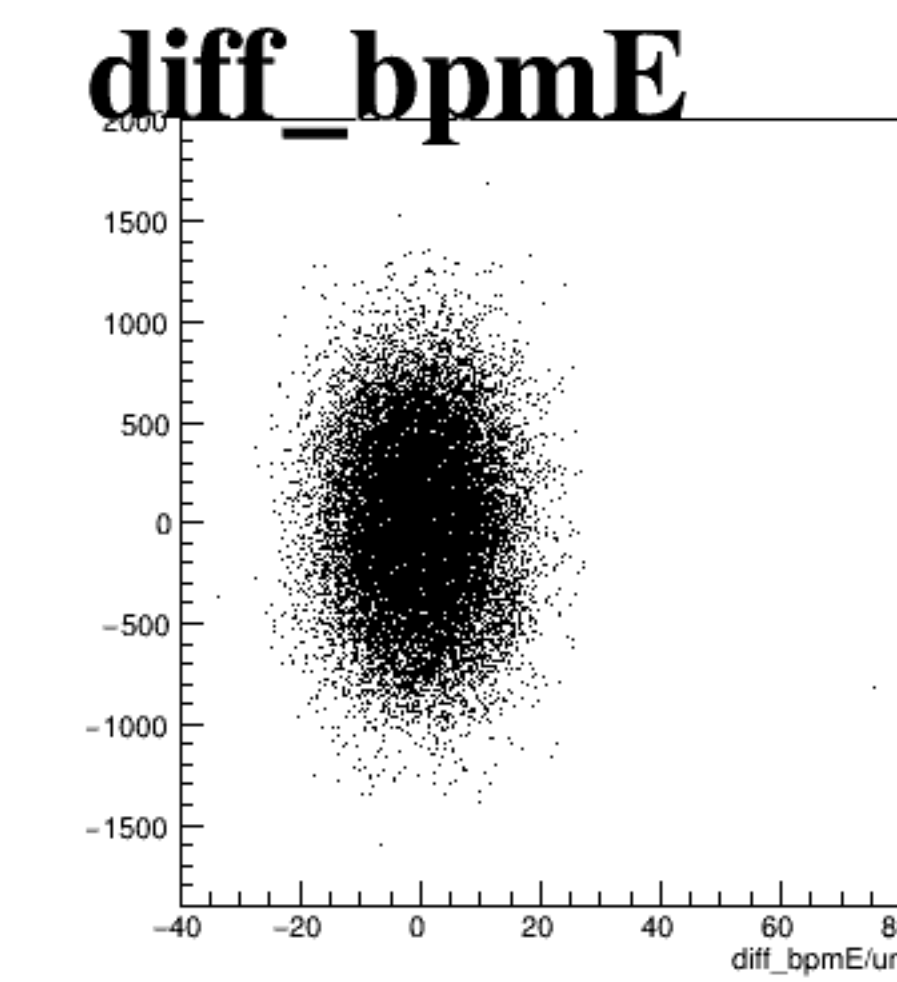
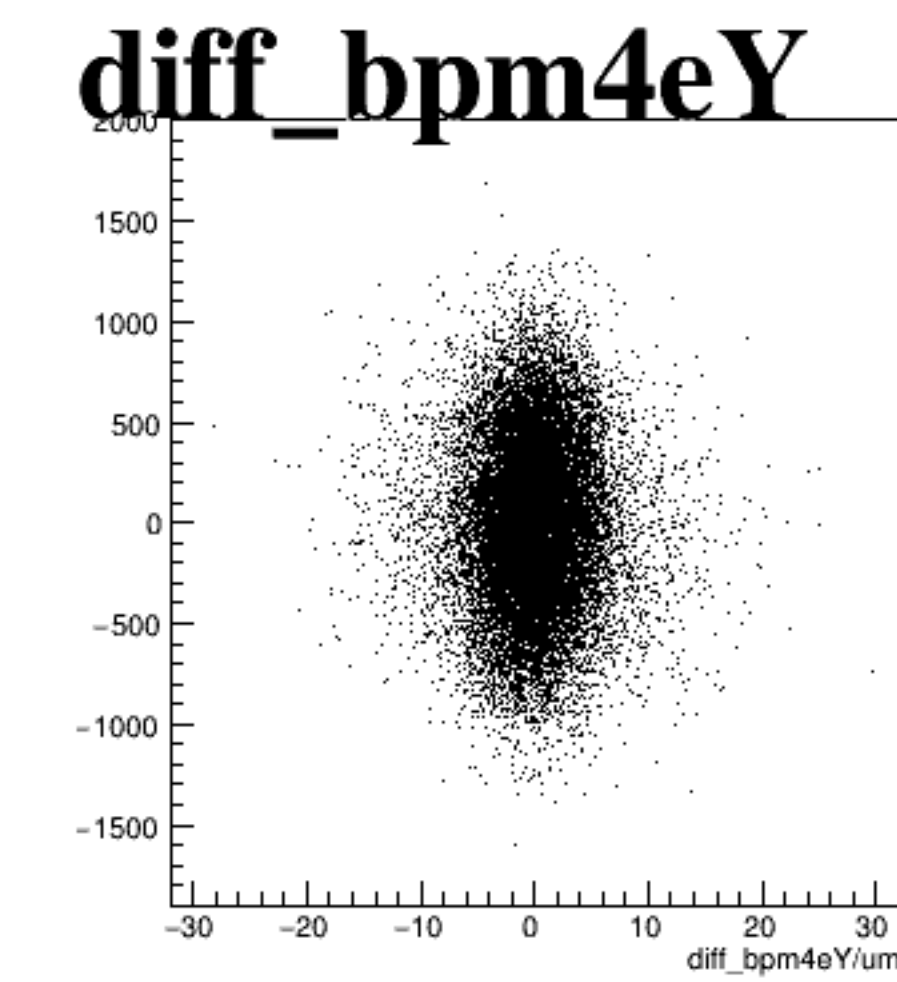
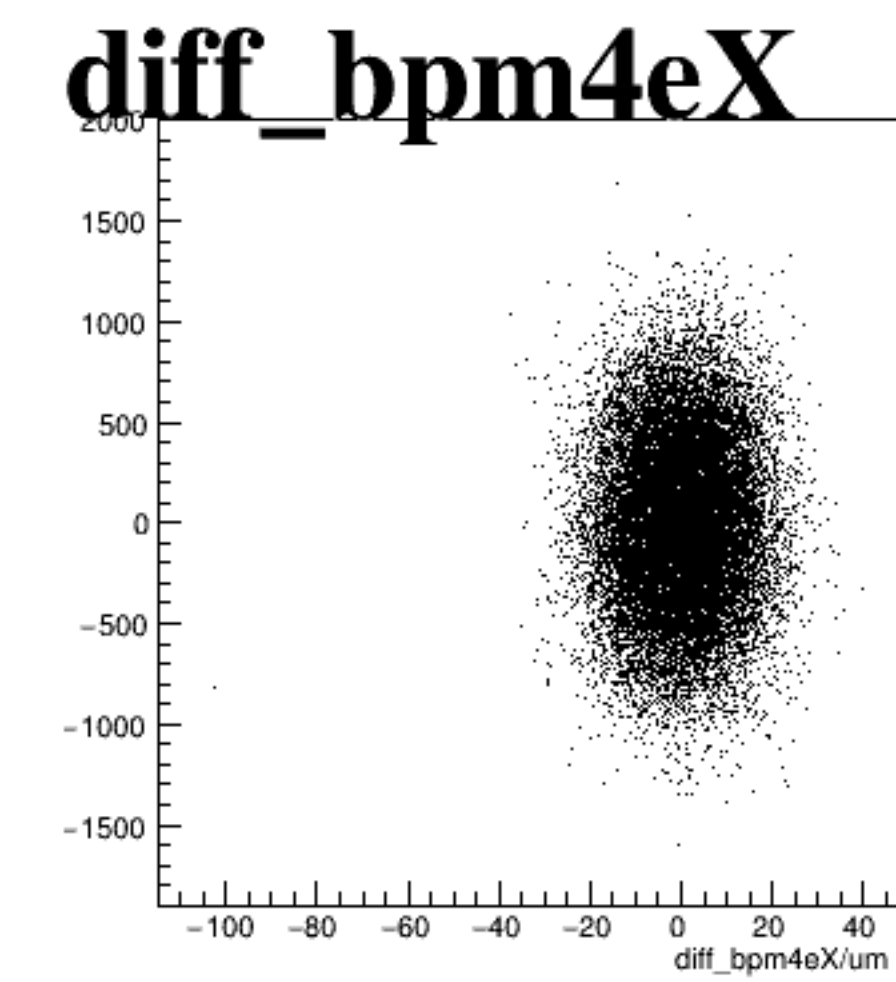
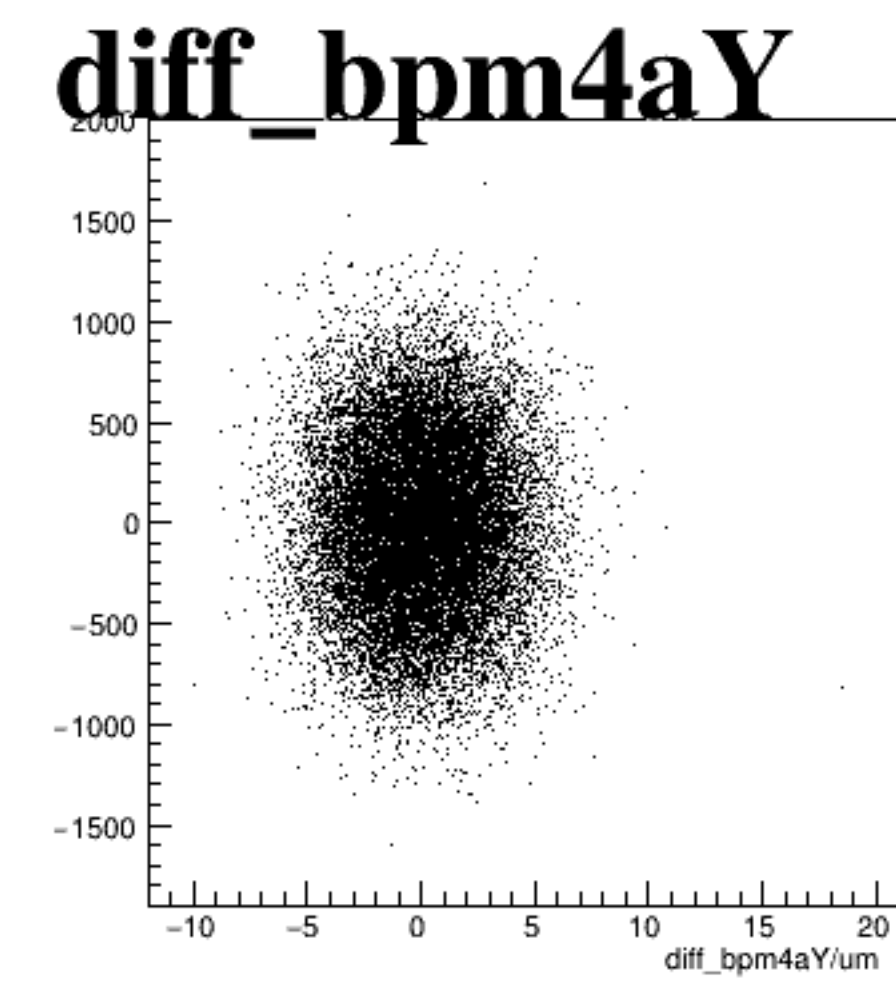
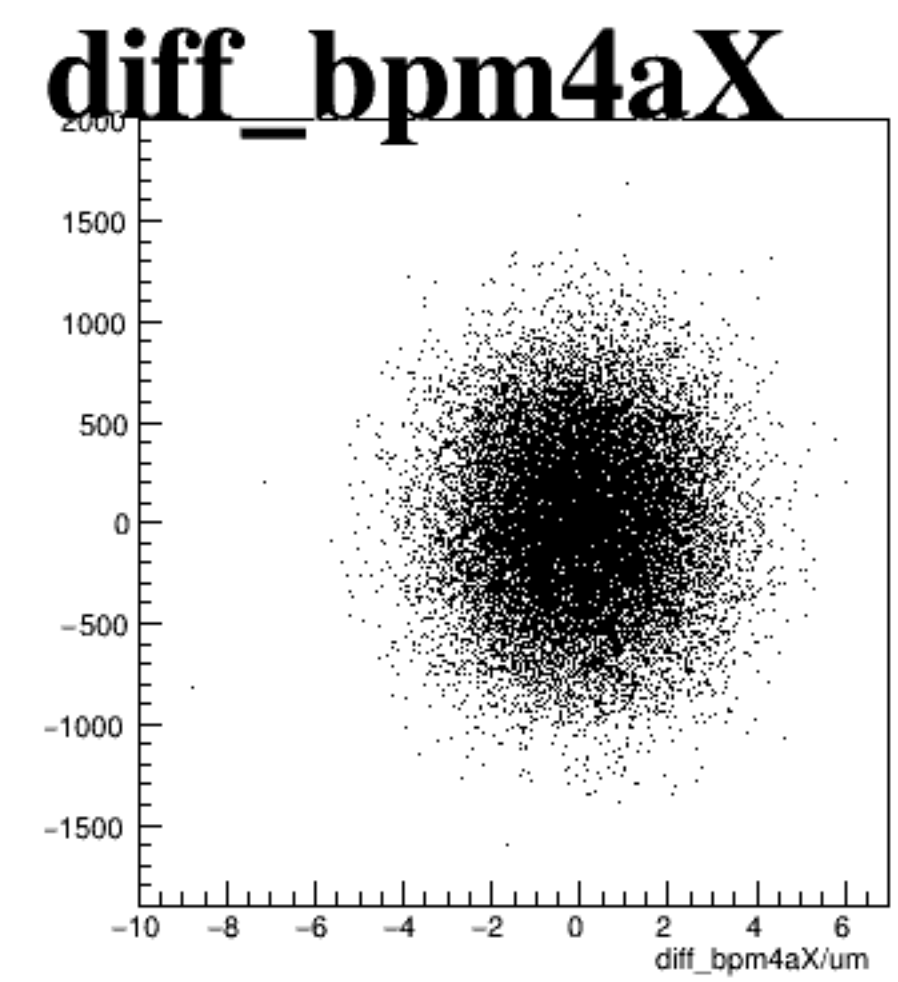
reg_asym_sam1



reg_asym_sam3



reg_asym_sam5



reg_asym_sam7

