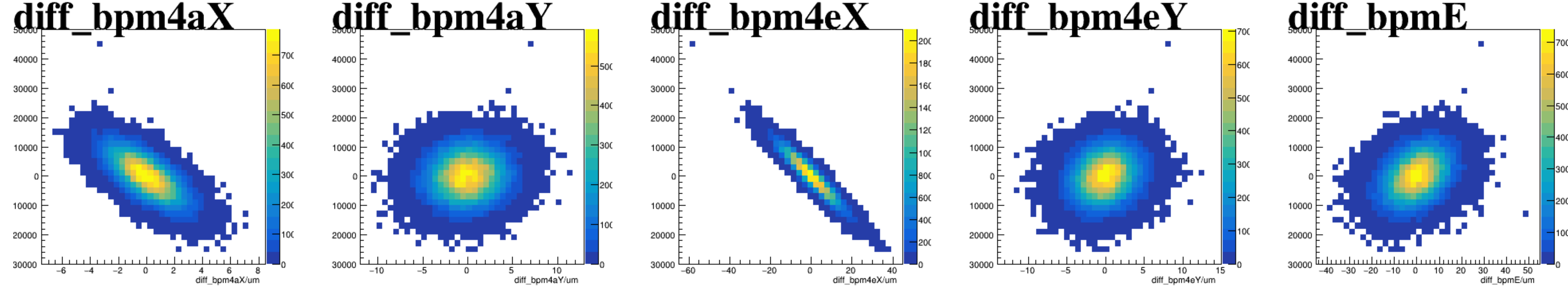
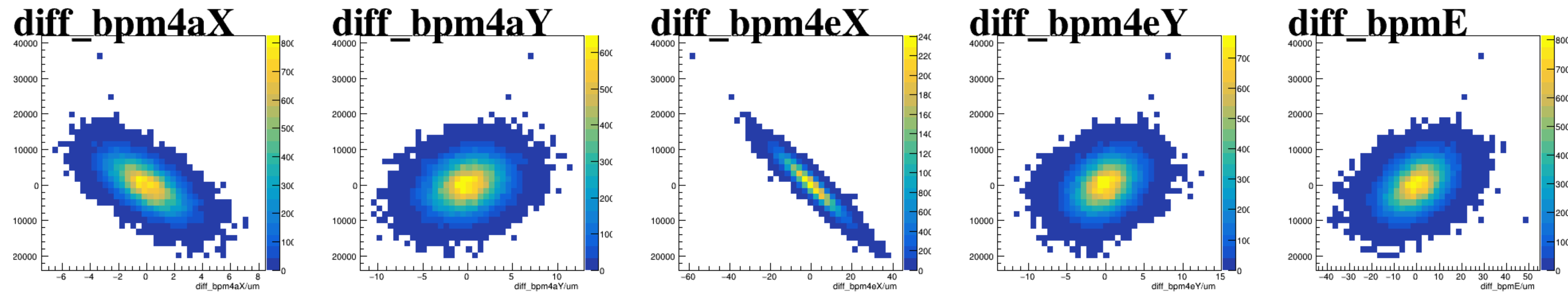


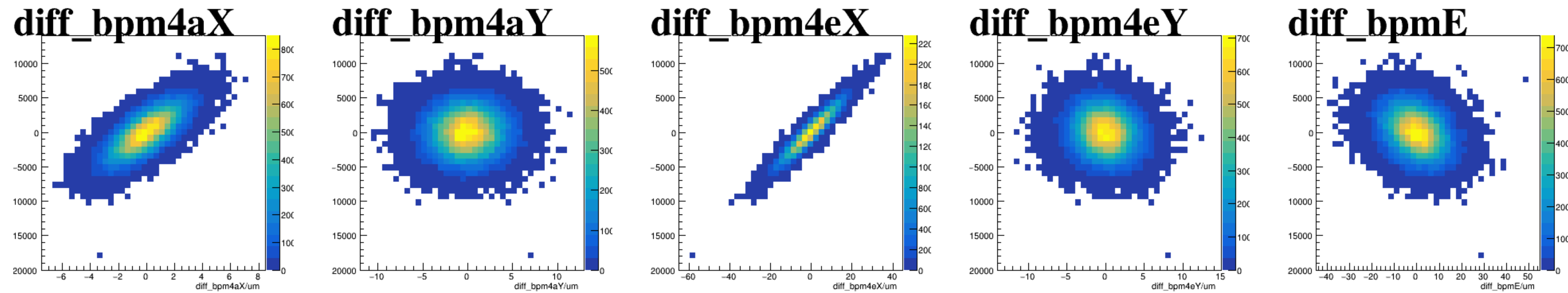
asym_sam2



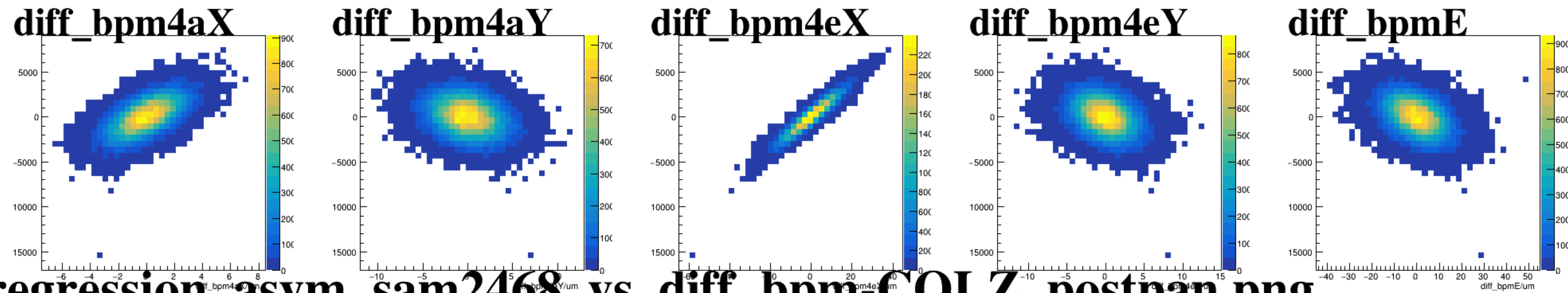
asym_sam4



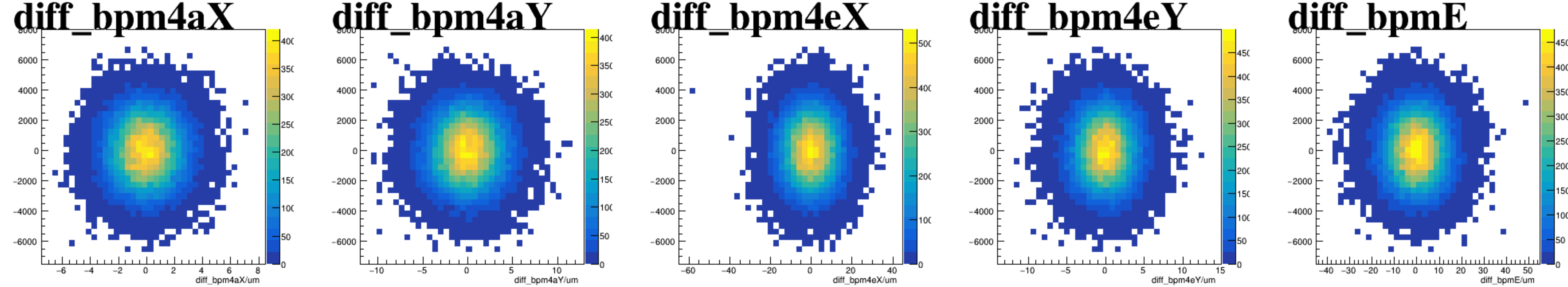
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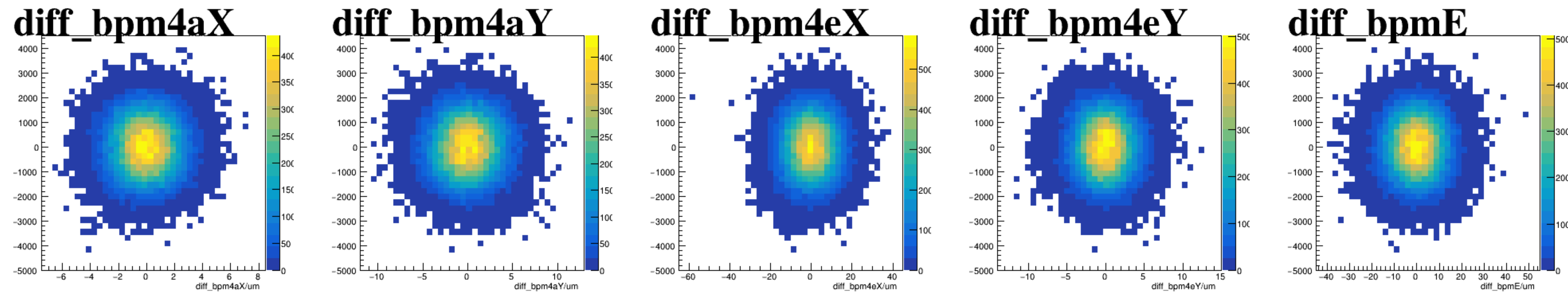
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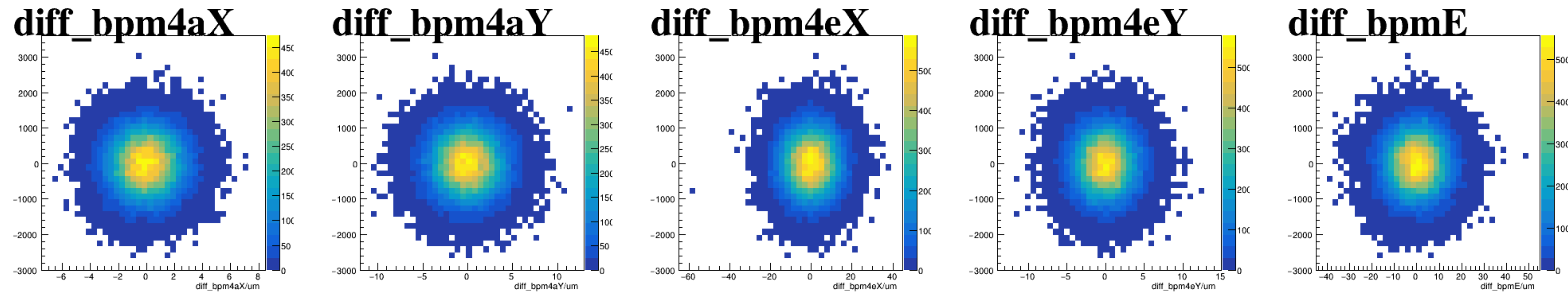
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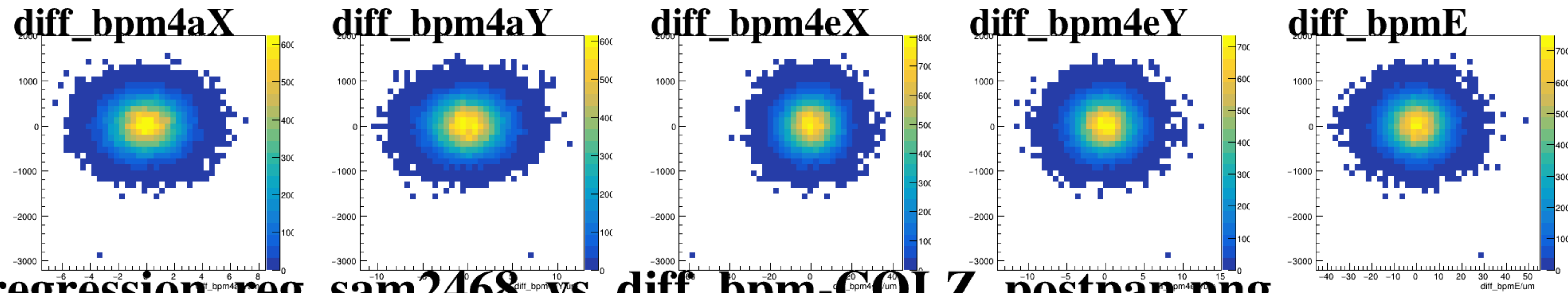
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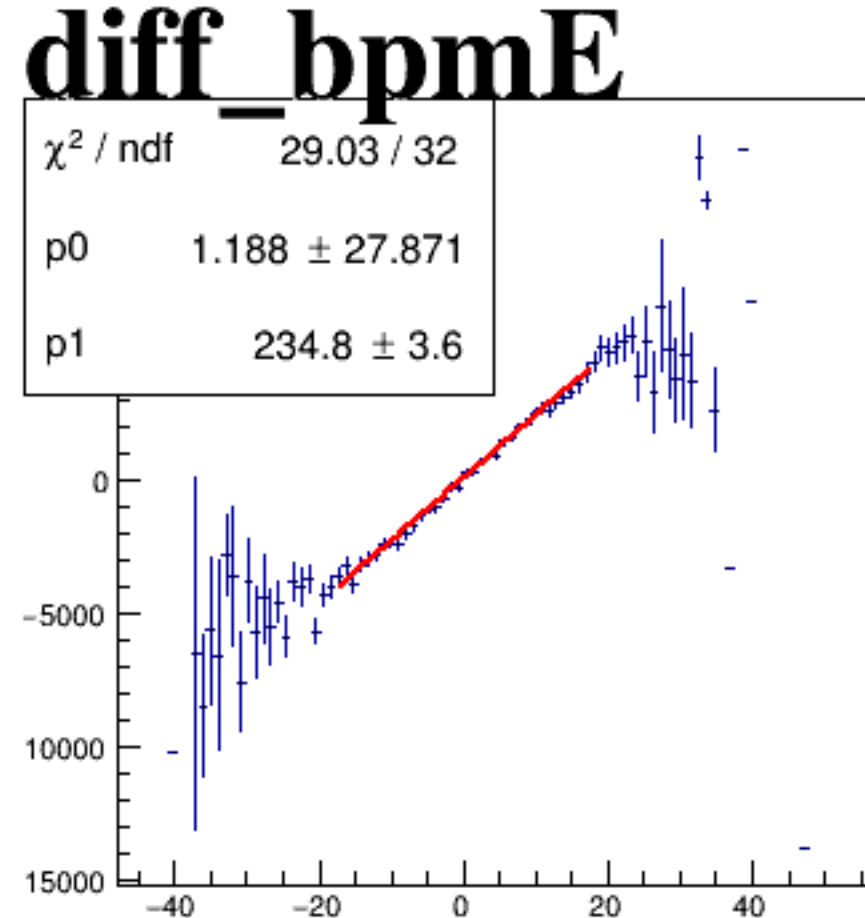
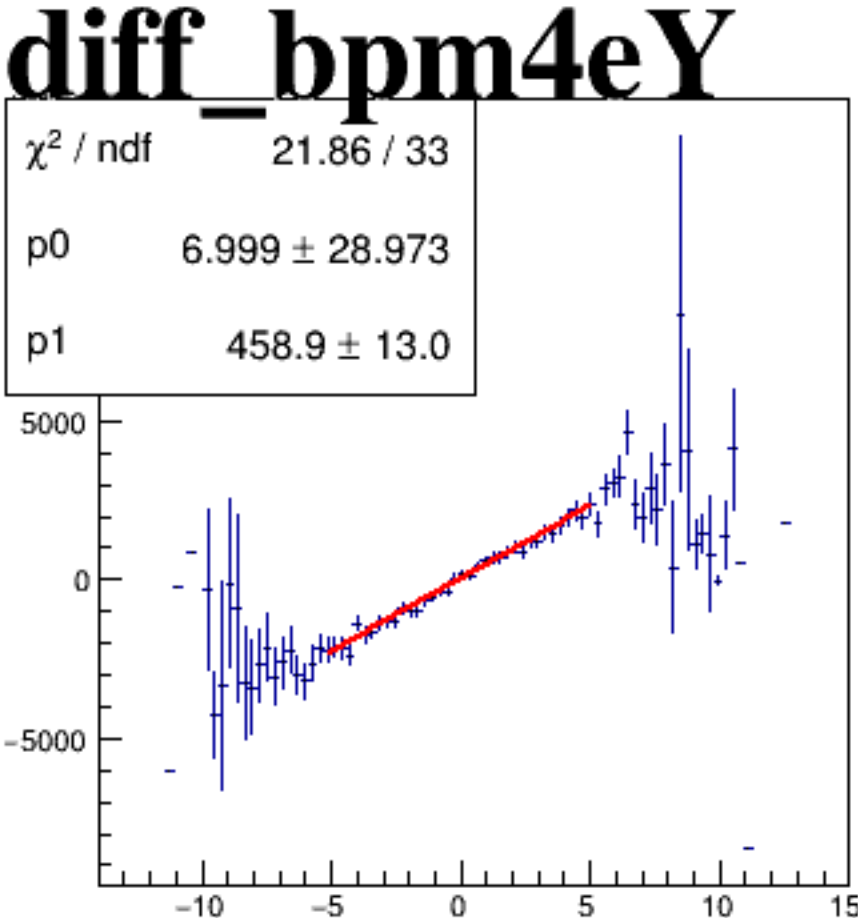
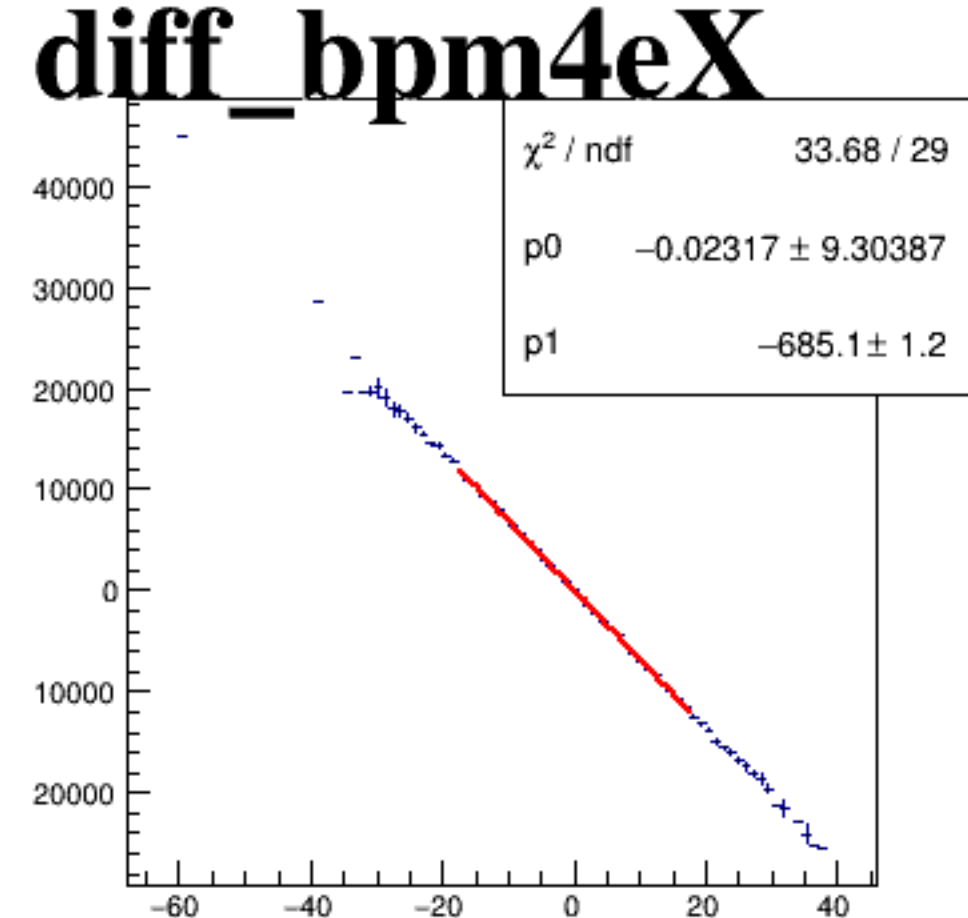
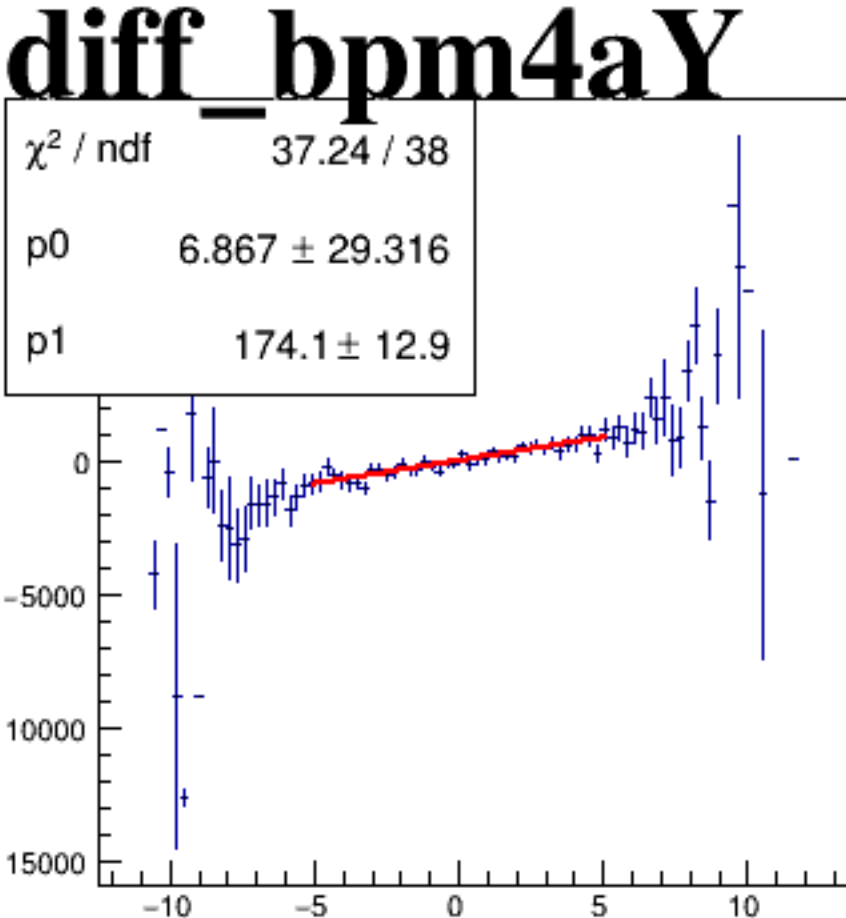
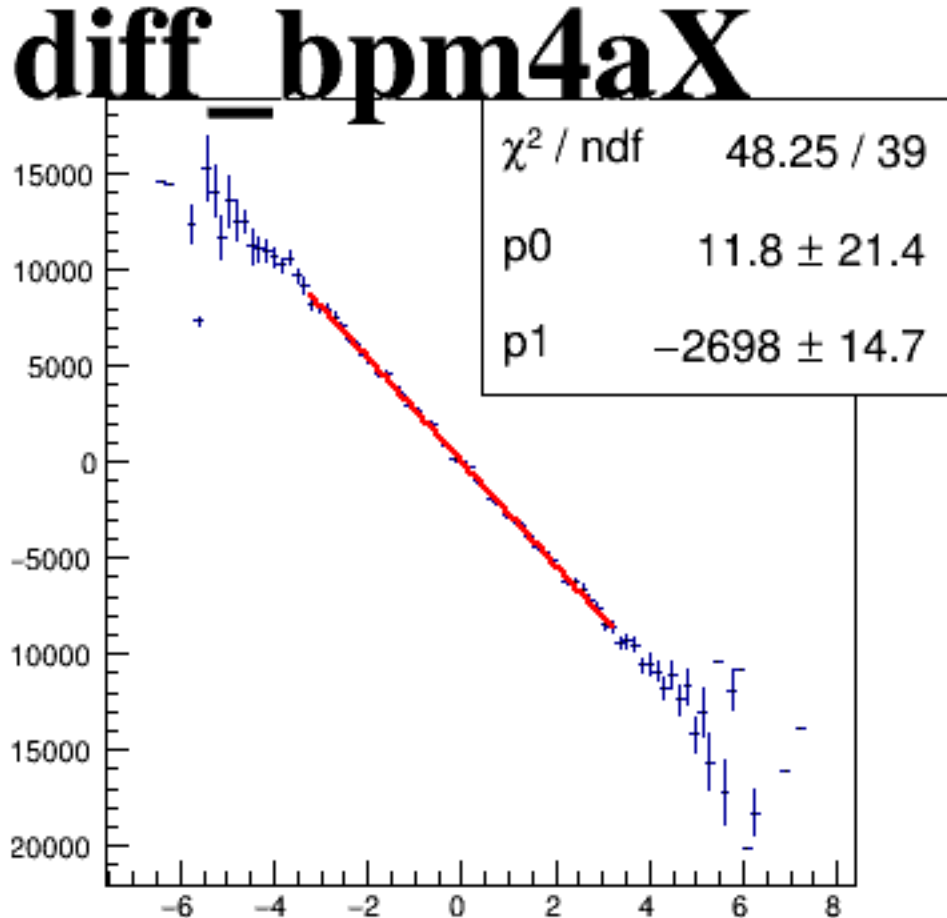
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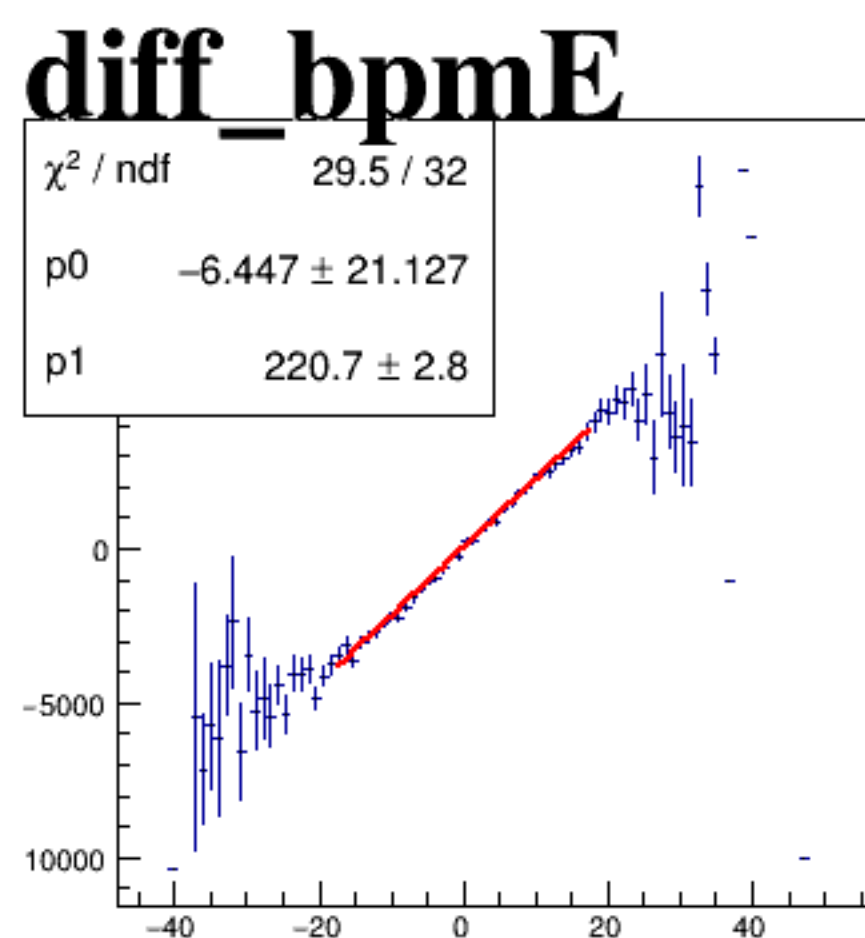
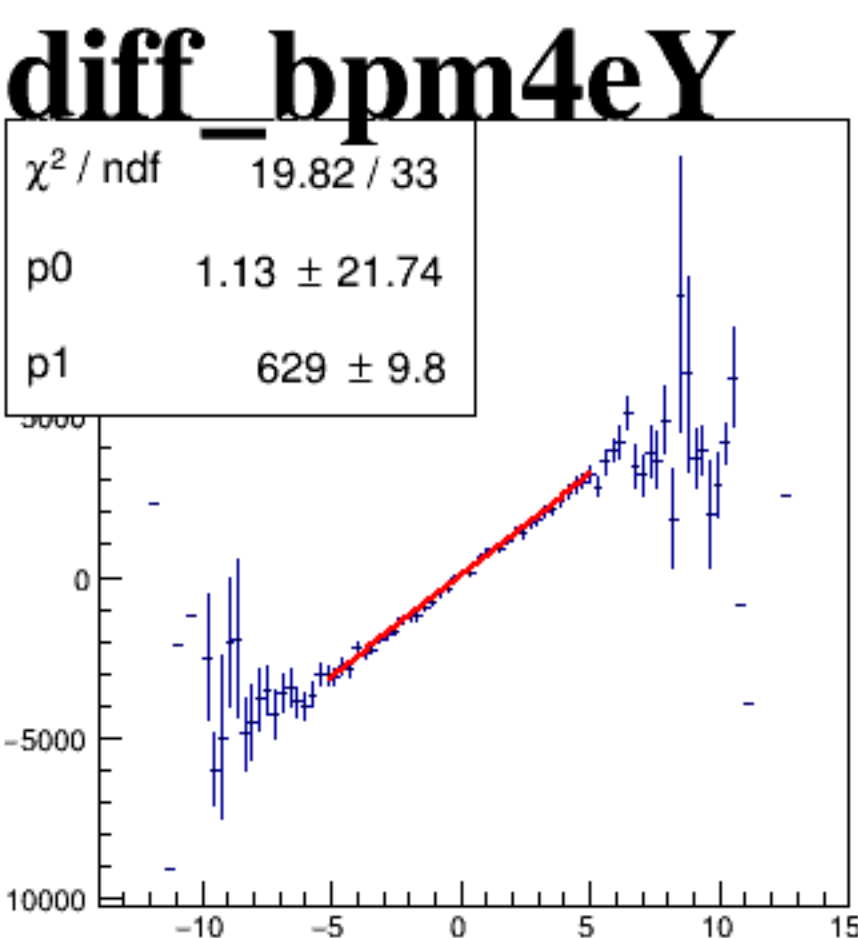
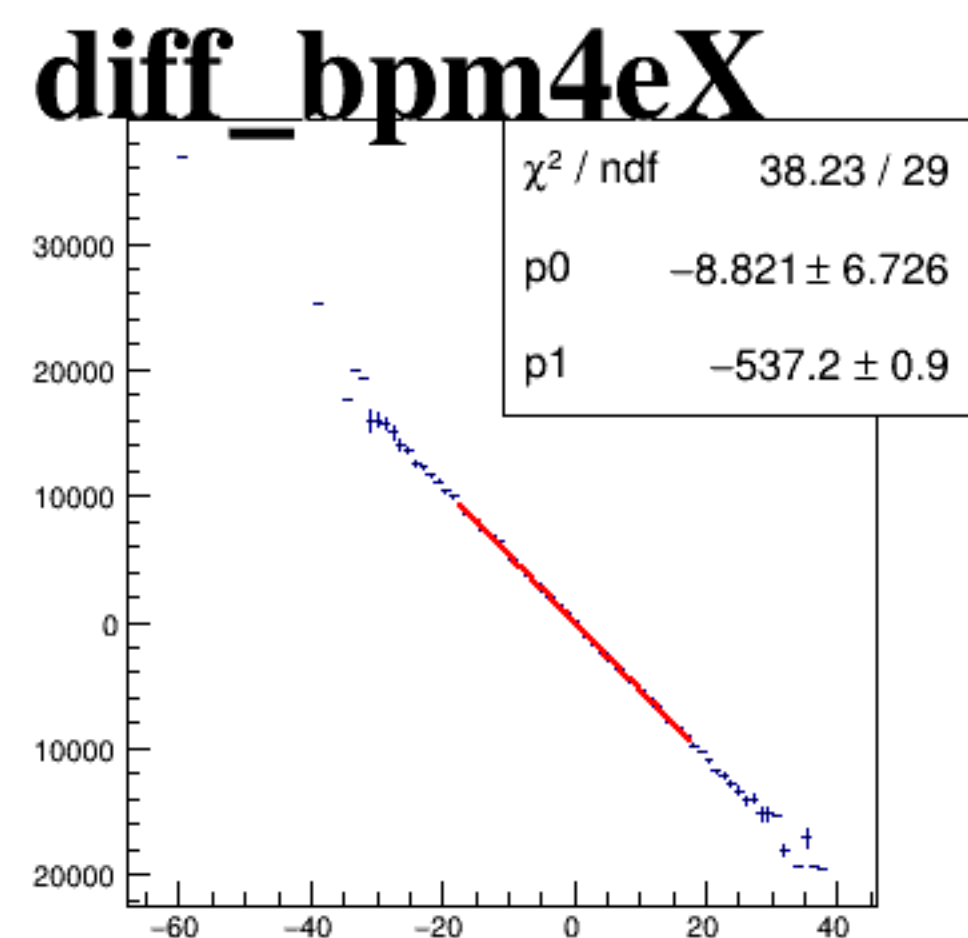
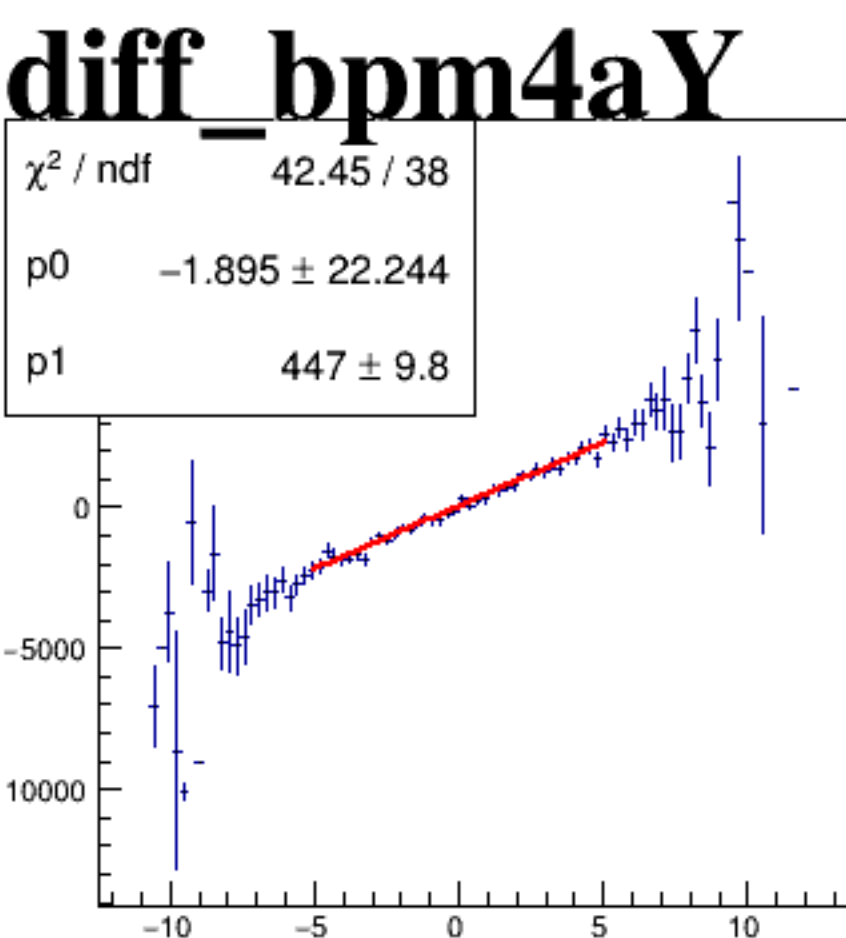
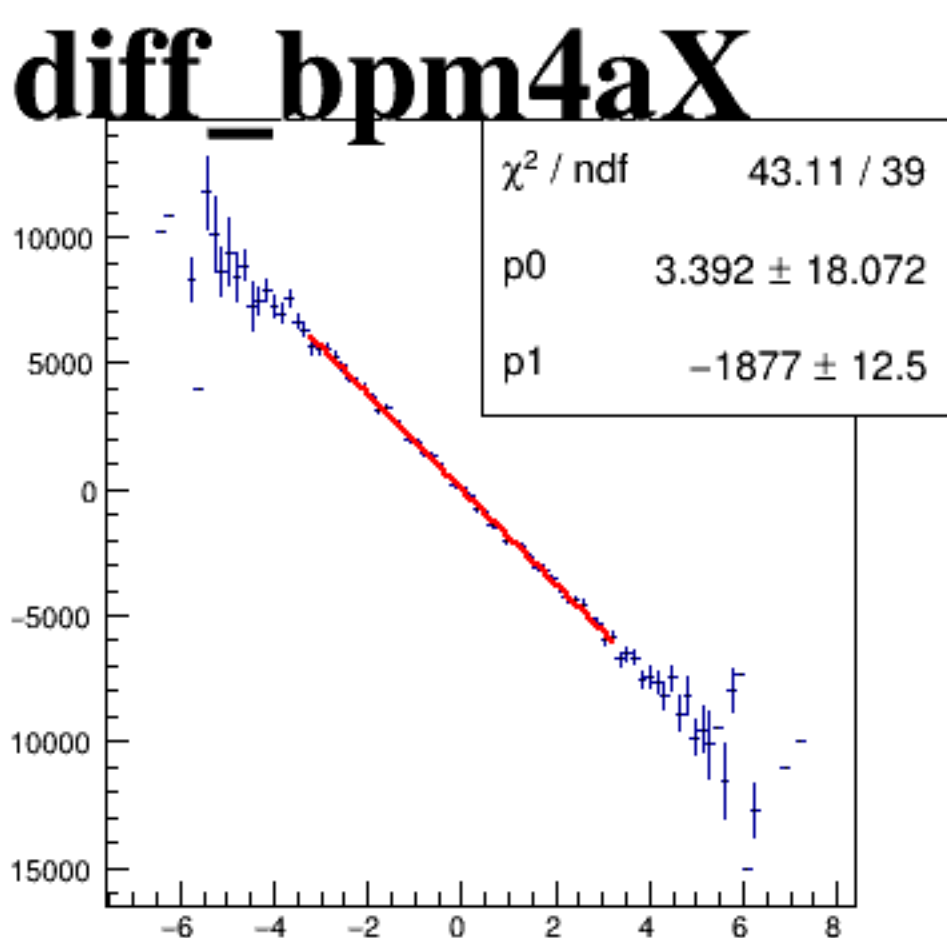
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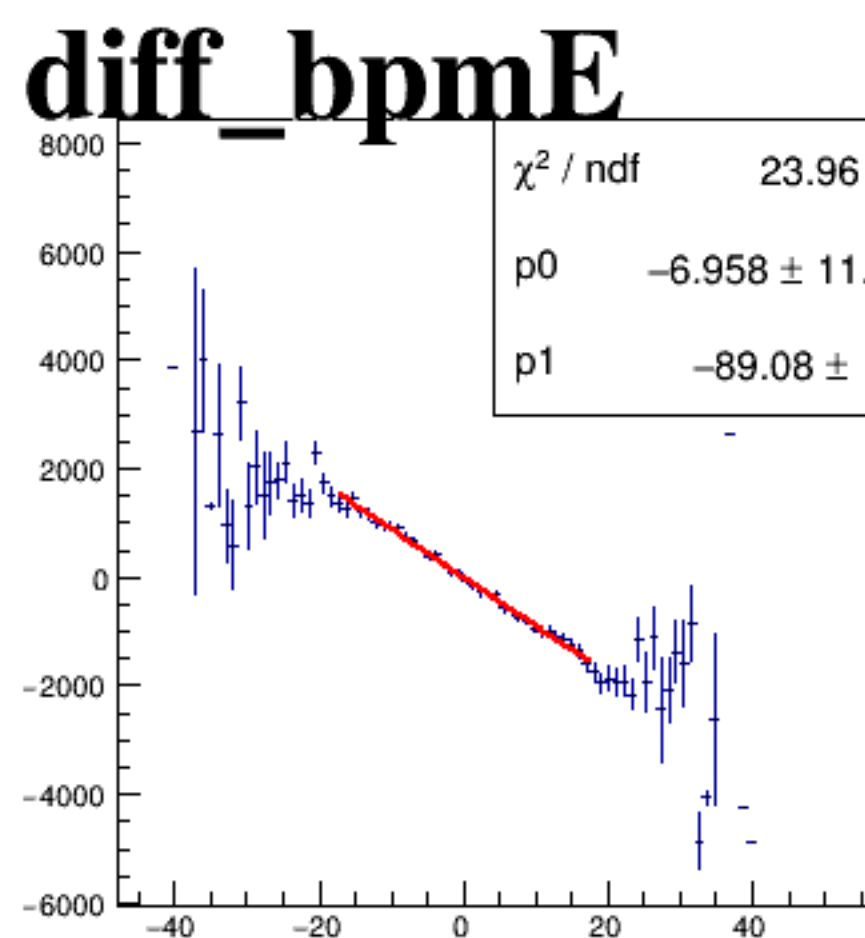
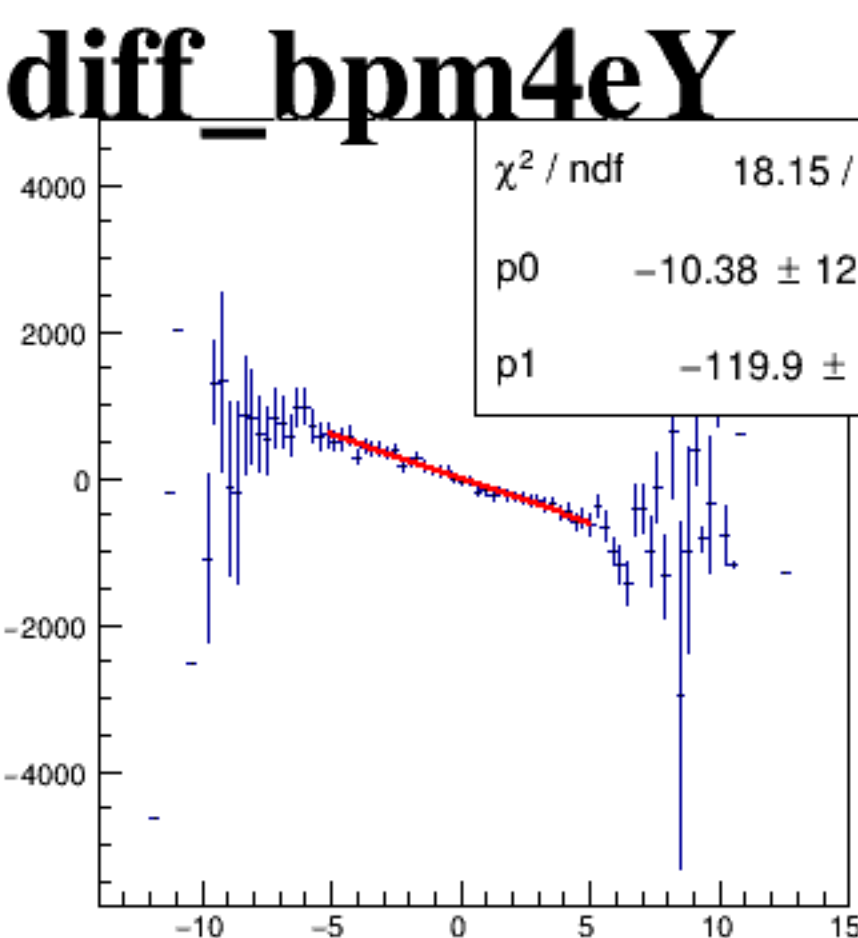
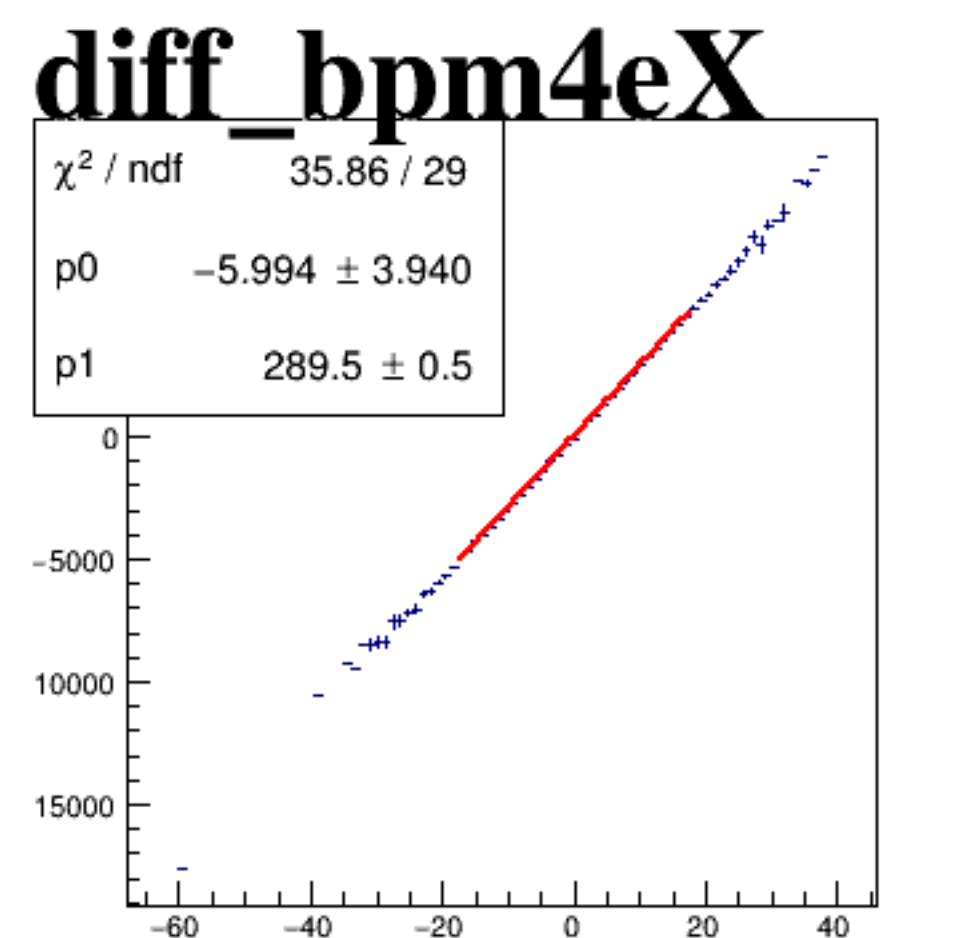
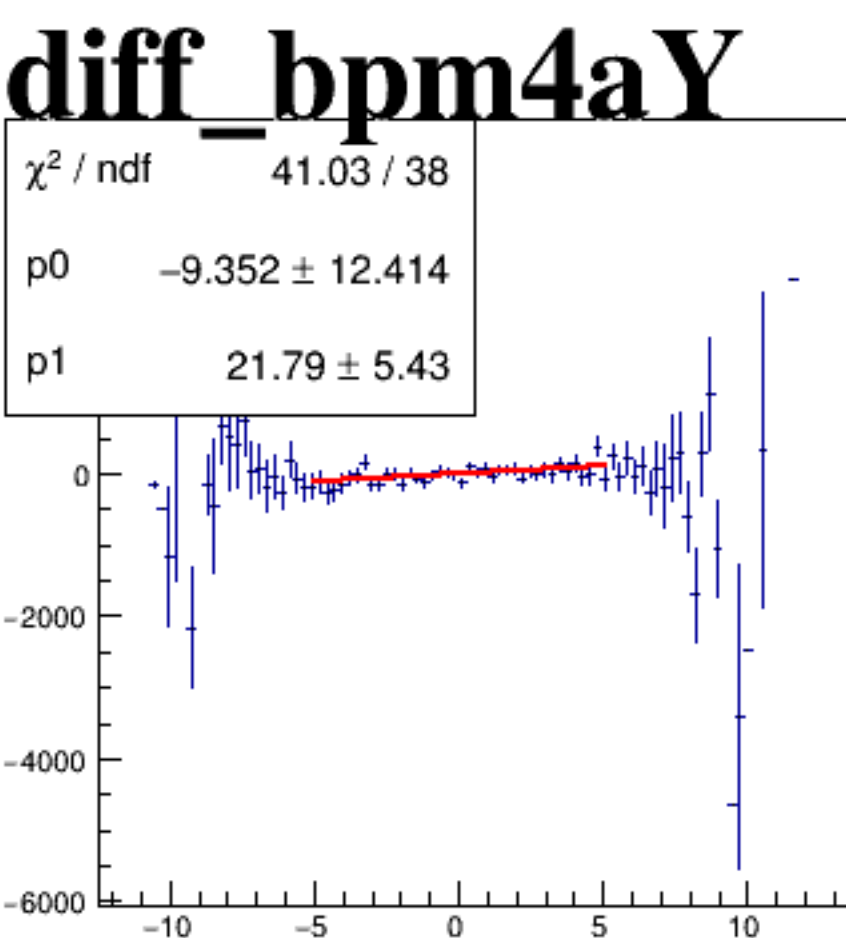
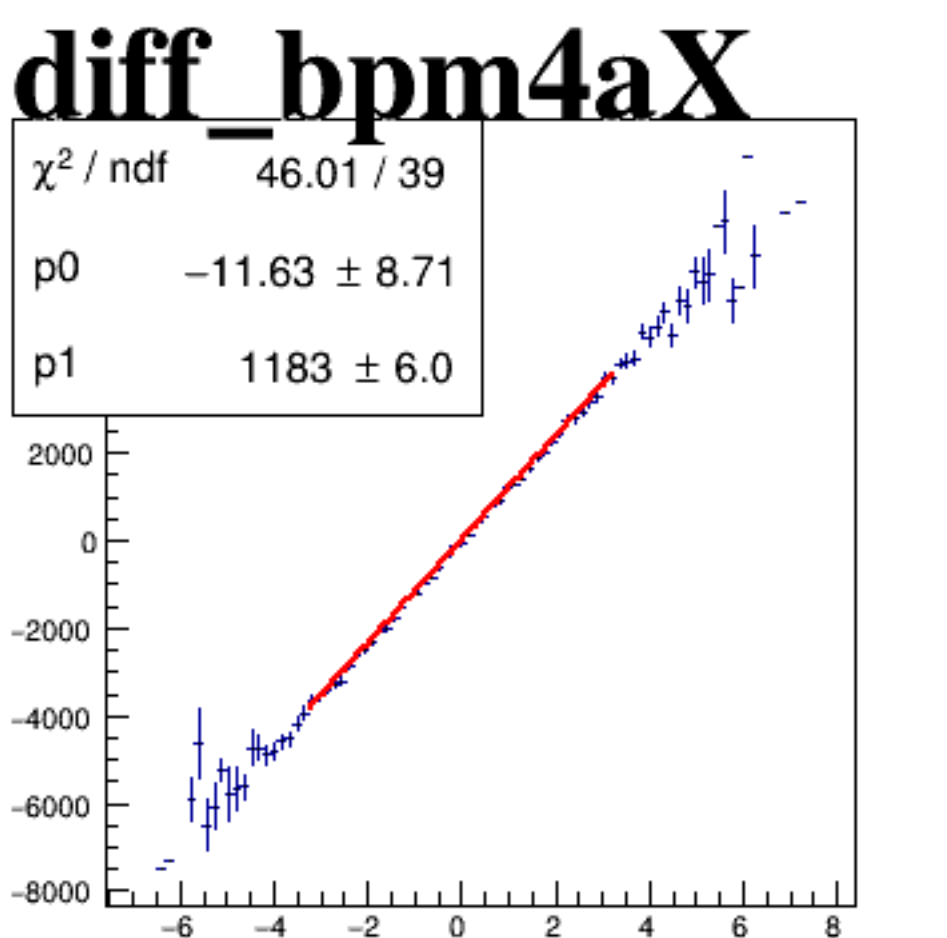
asym_sam2



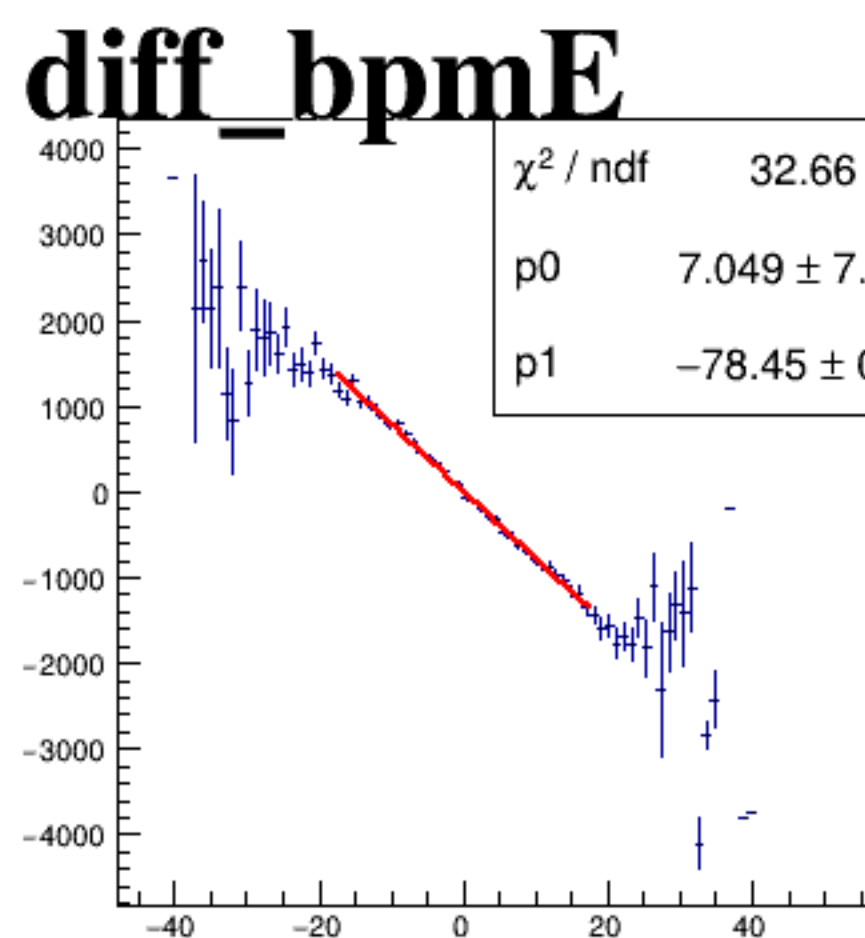
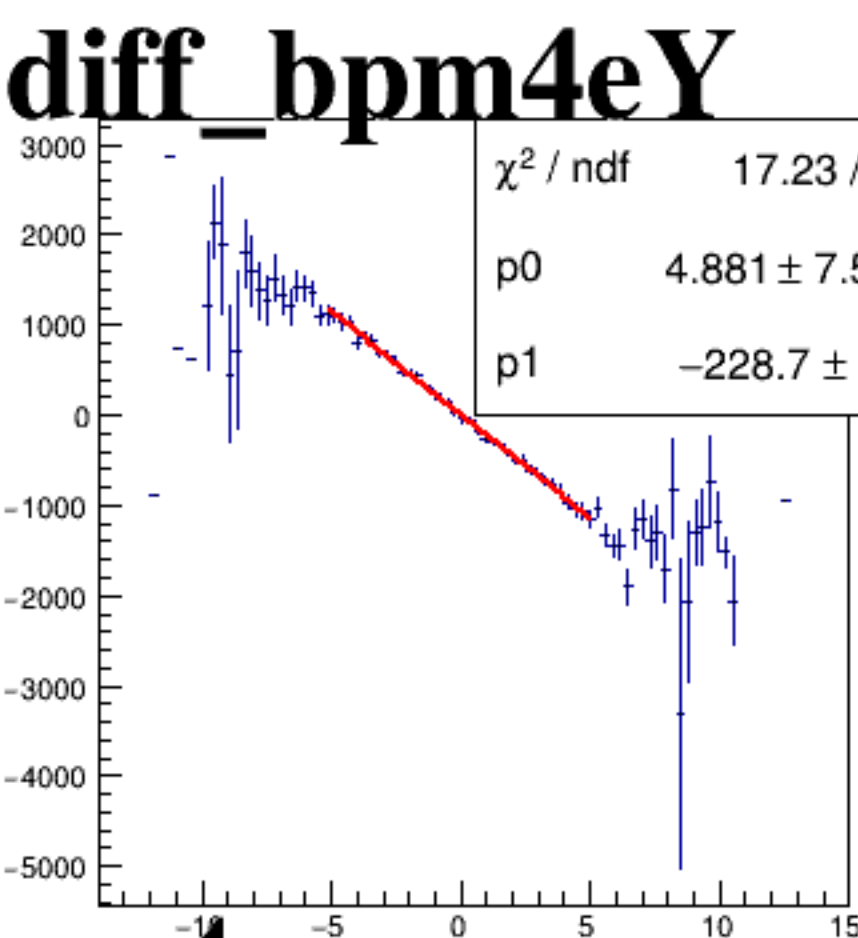
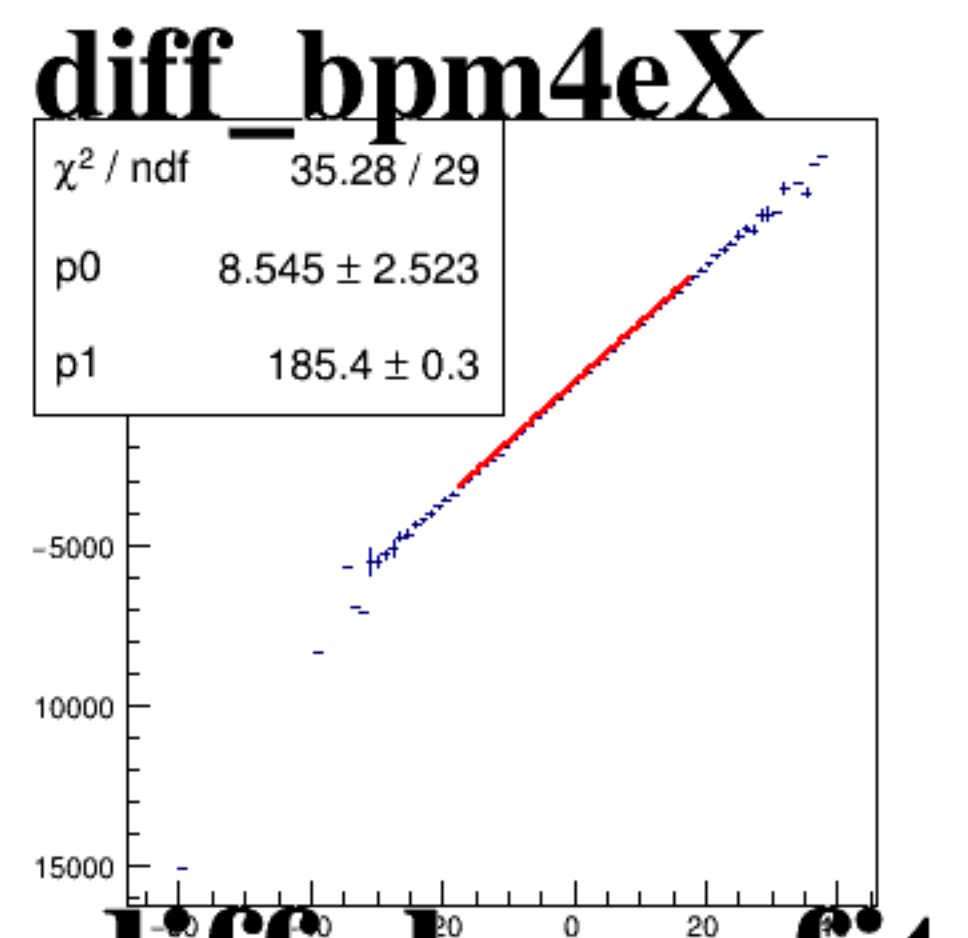
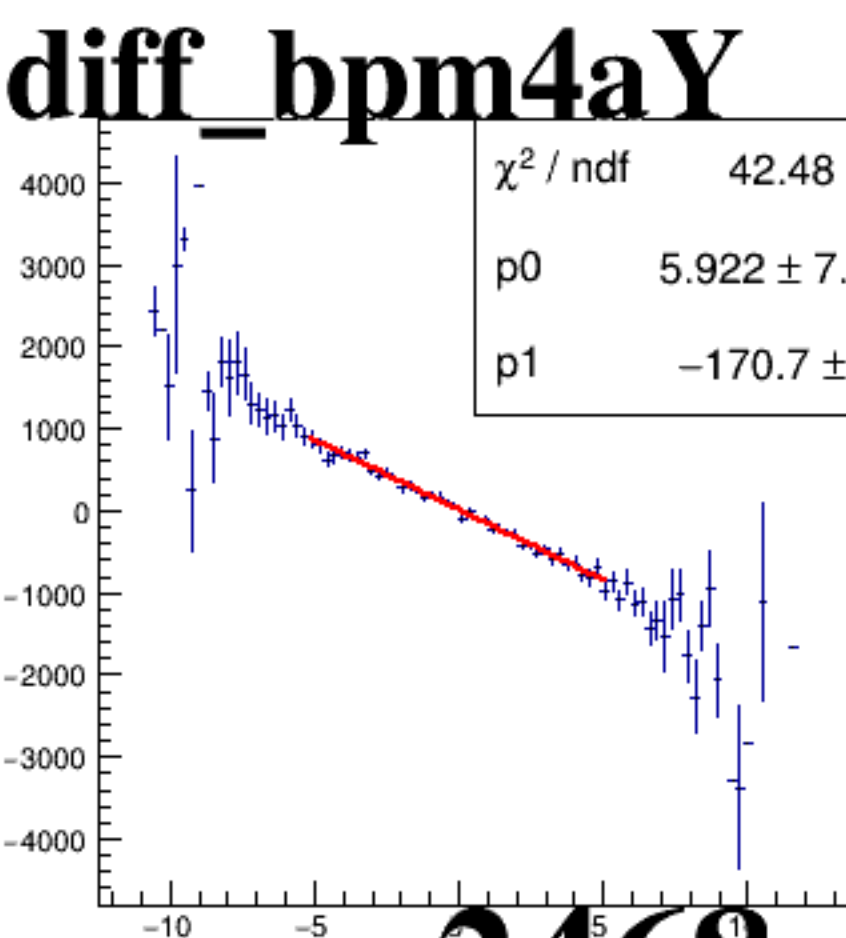
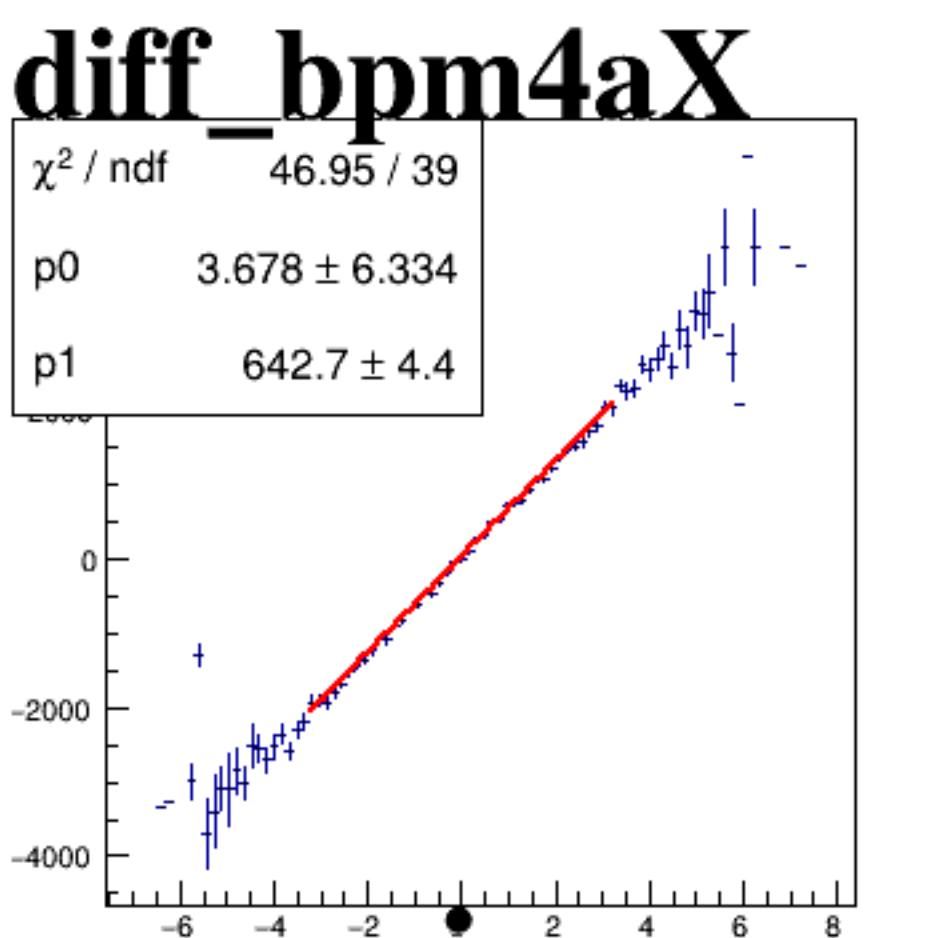
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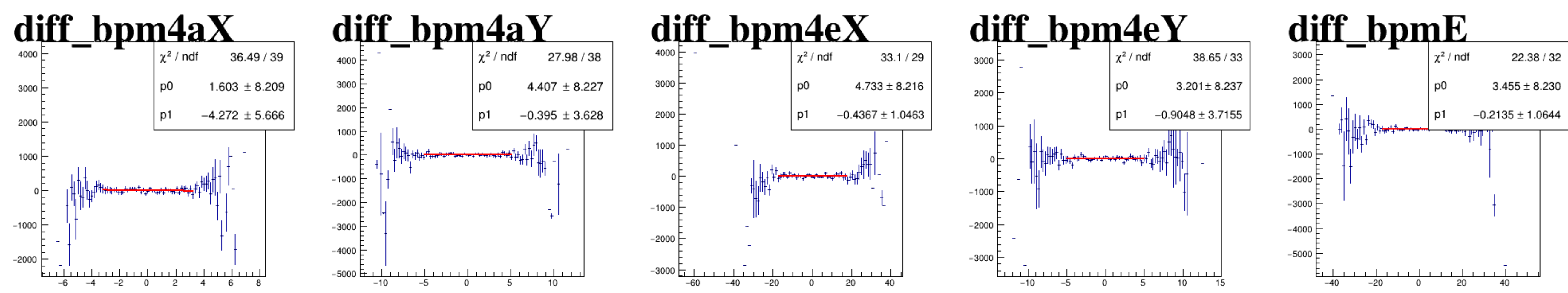
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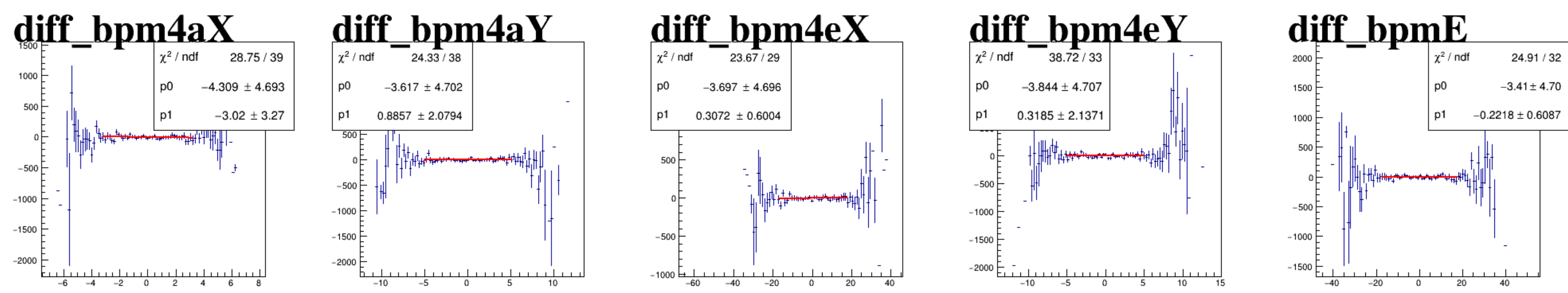
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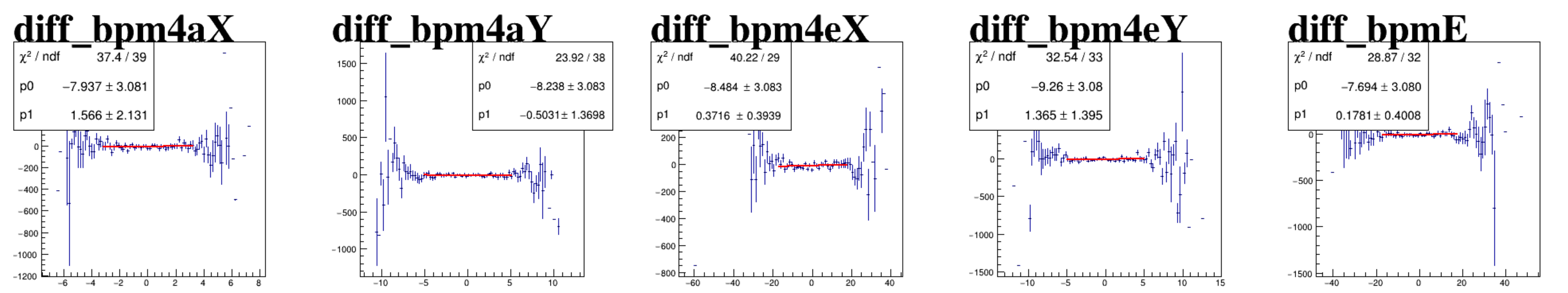
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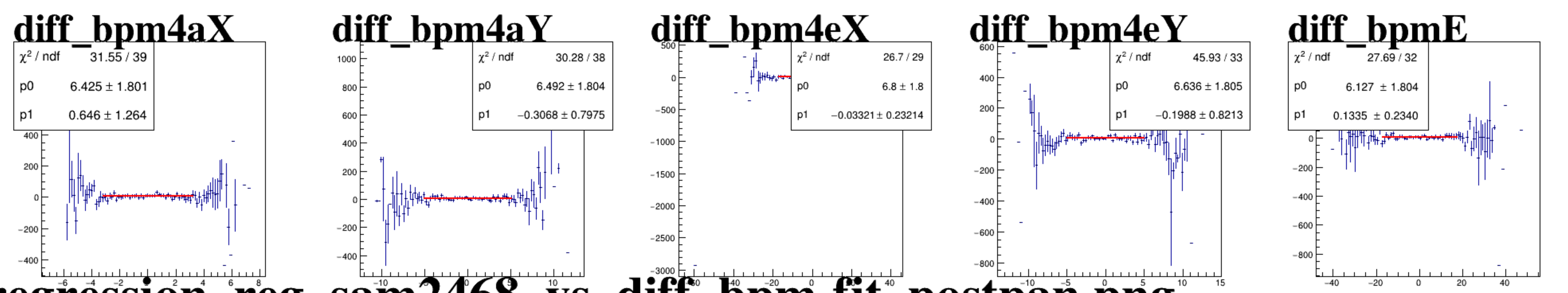
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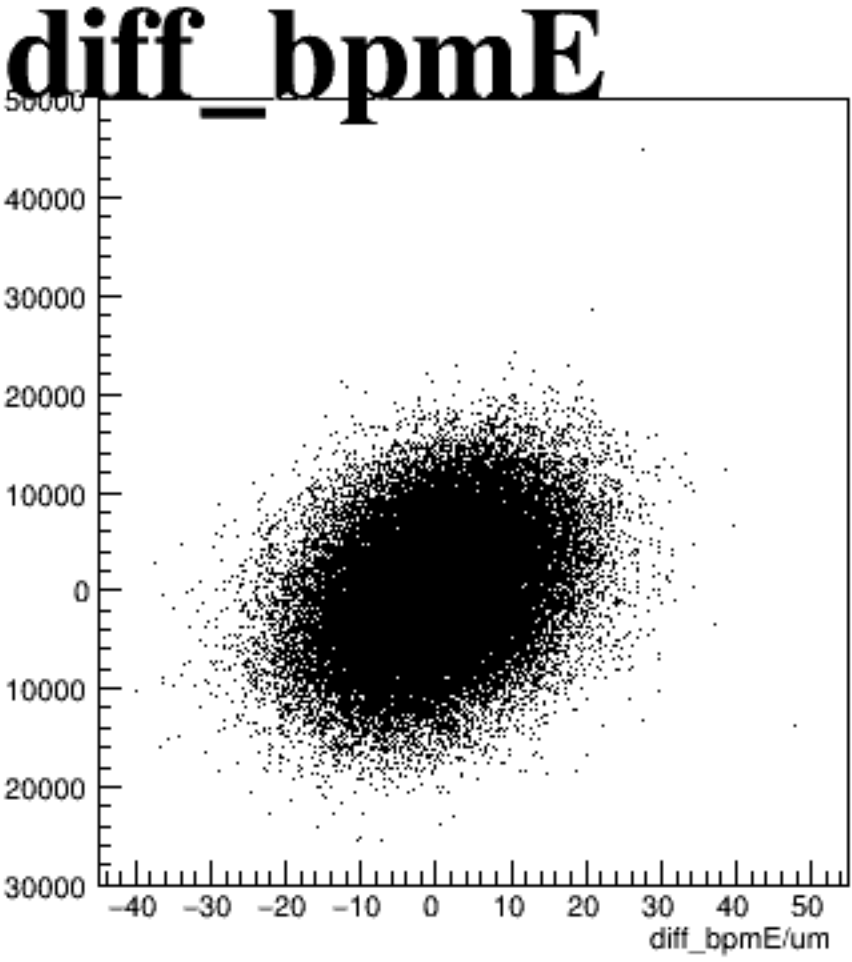
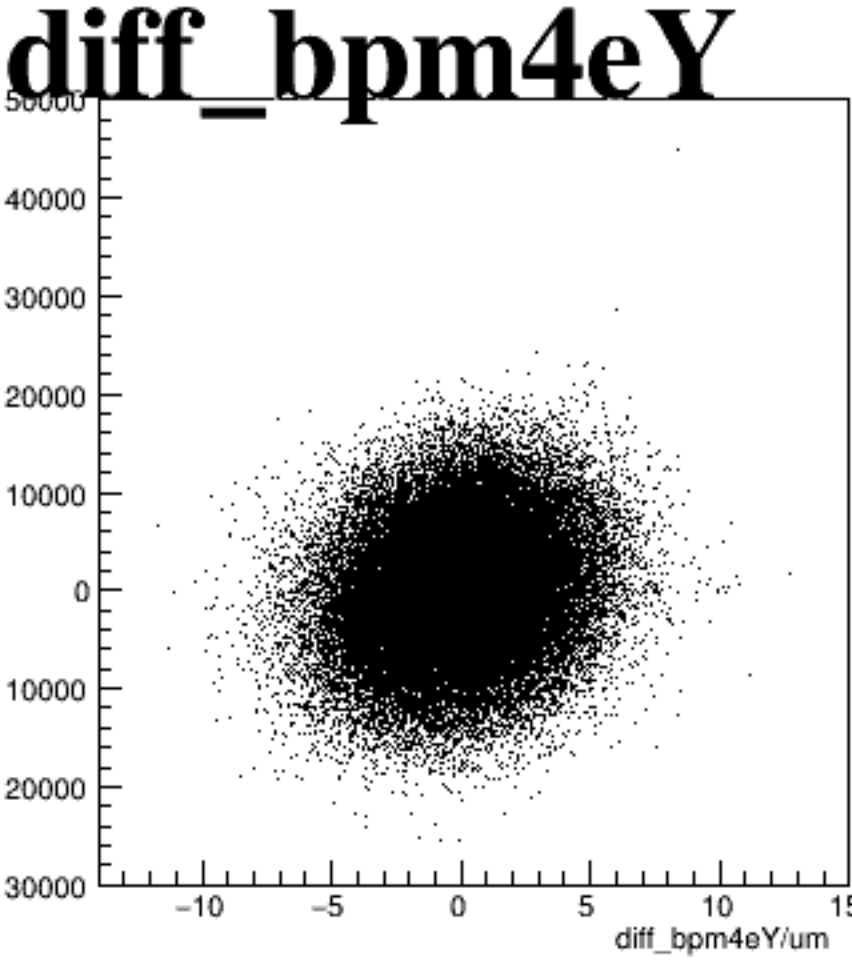
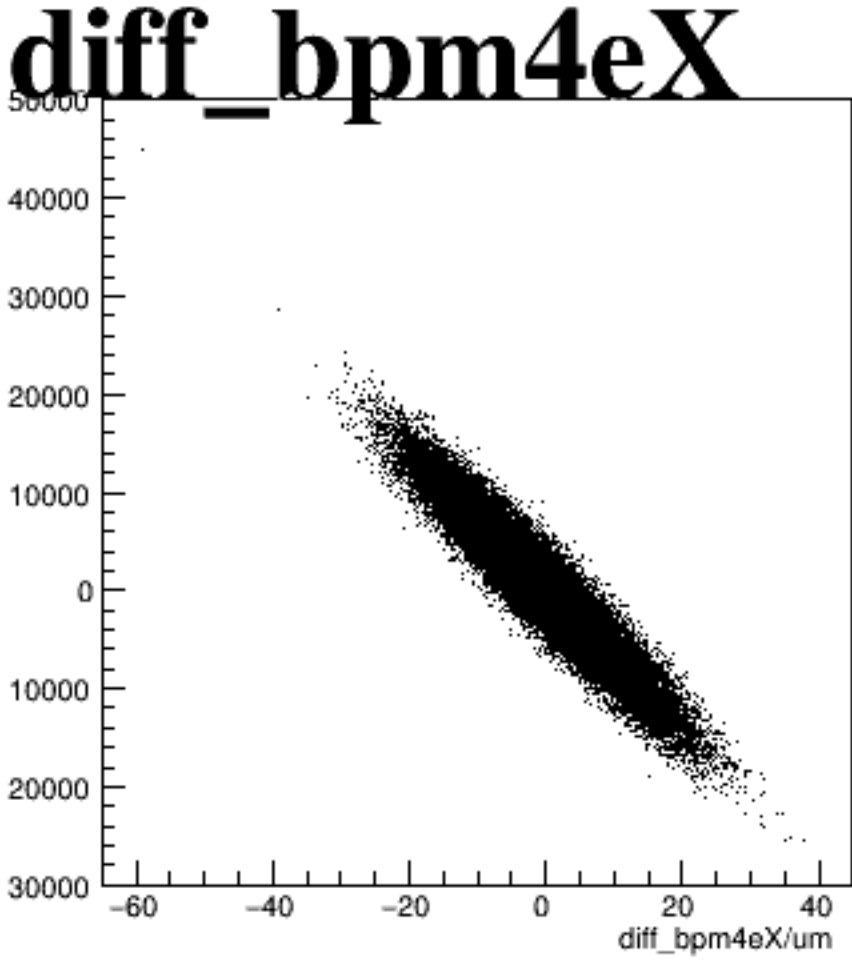
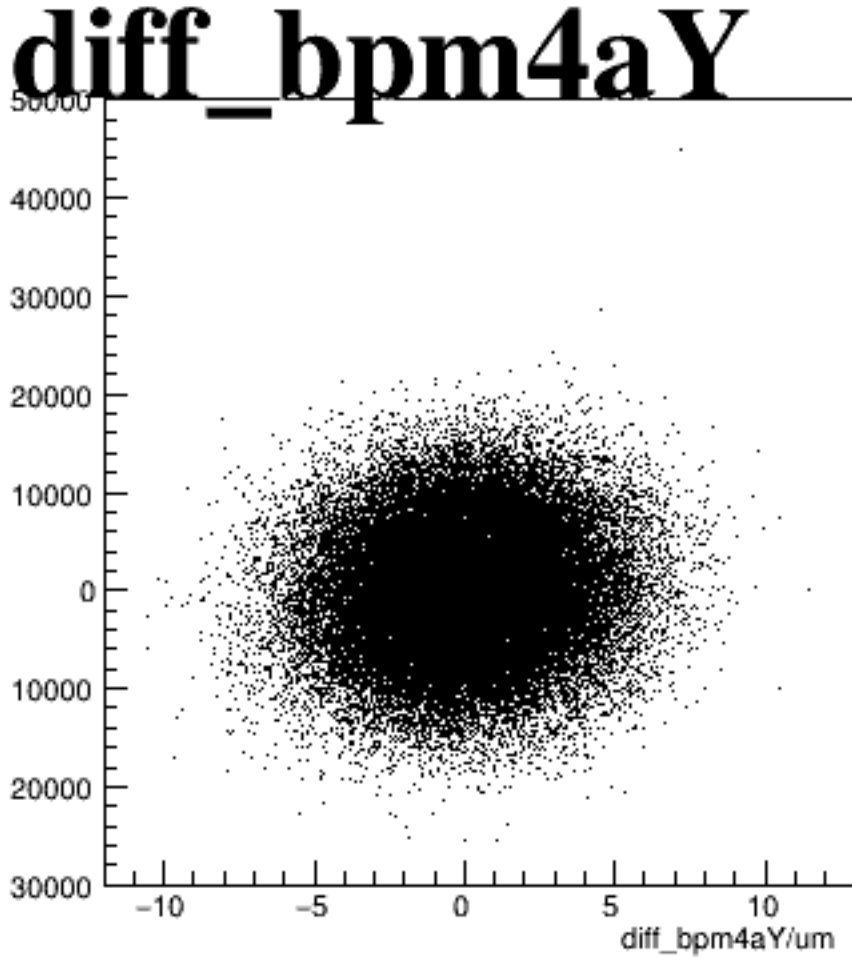
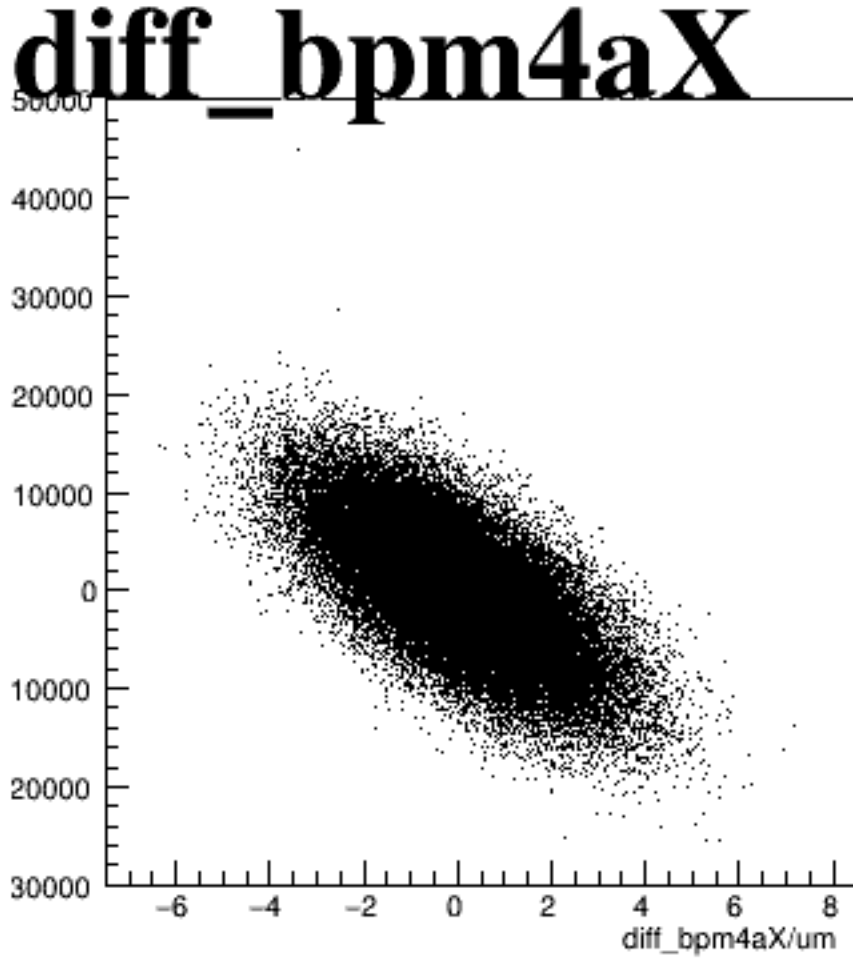
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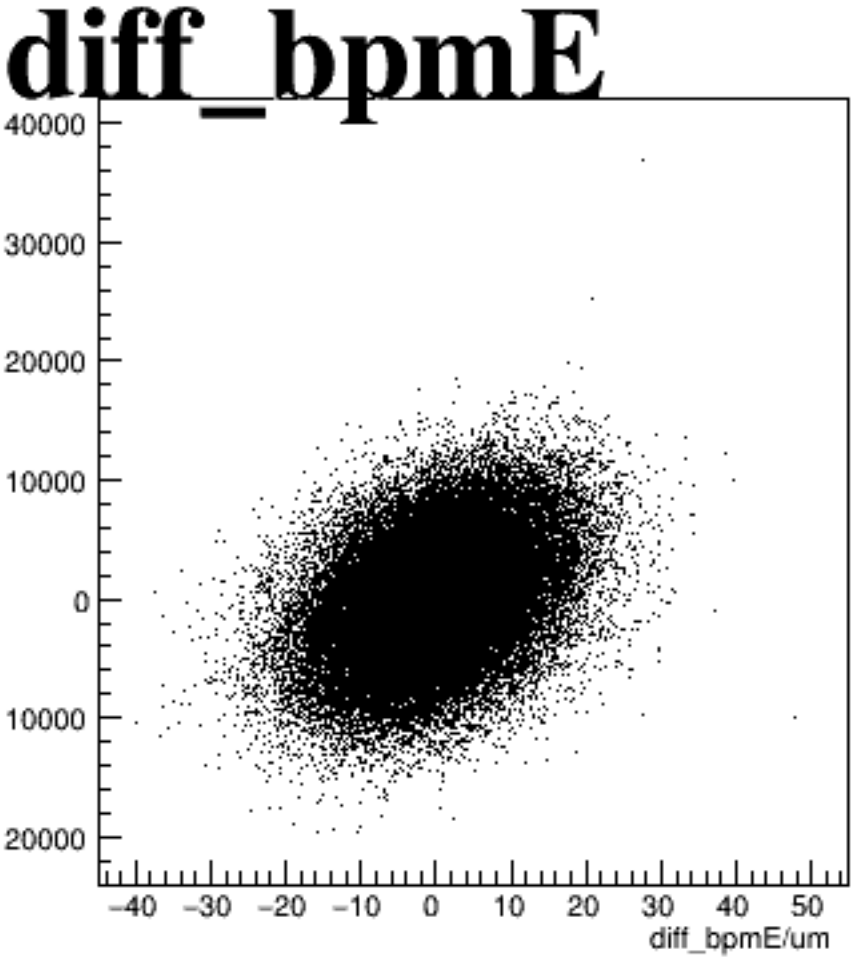
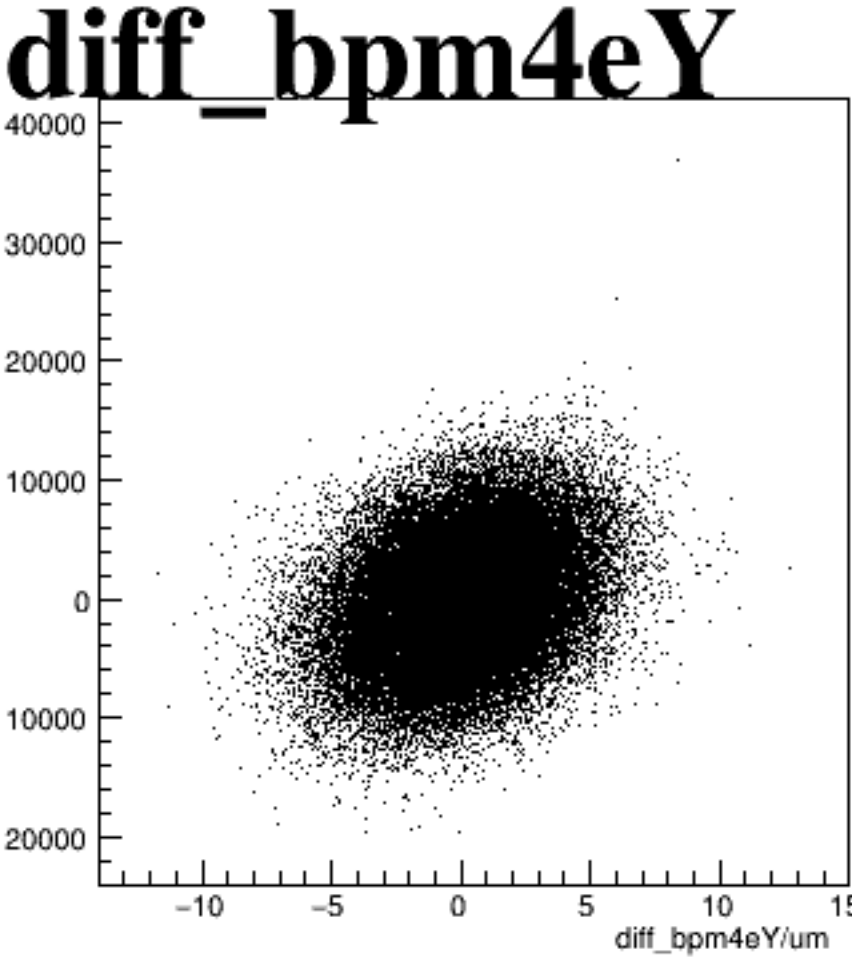
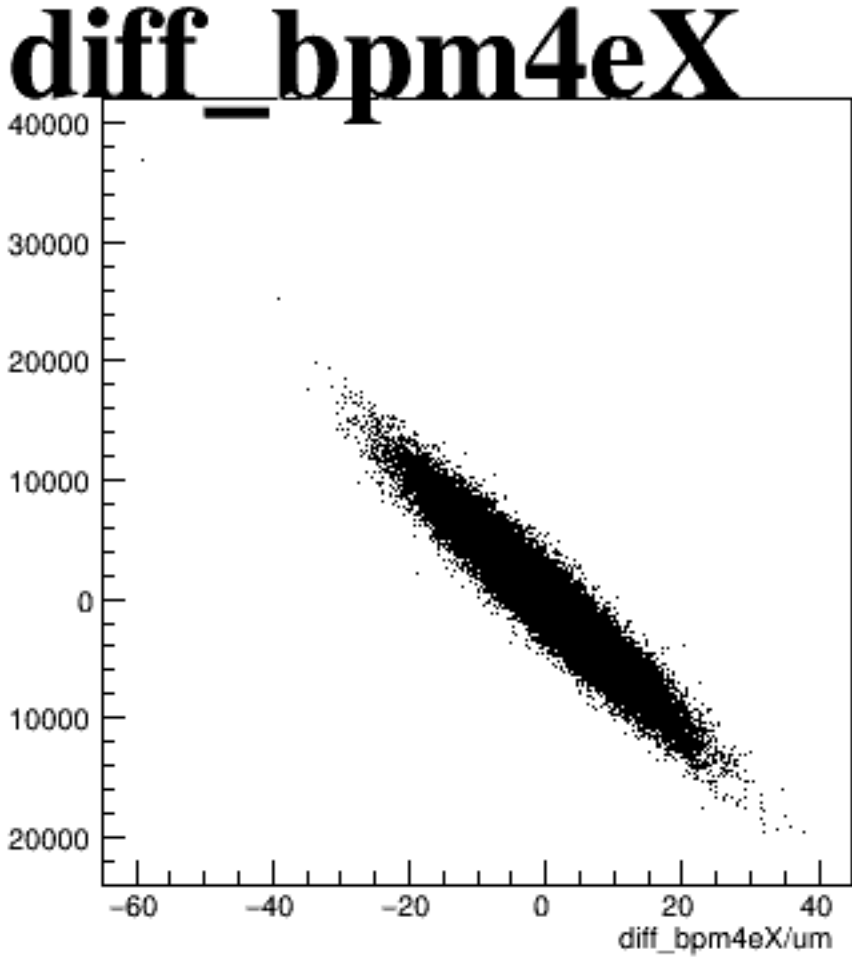
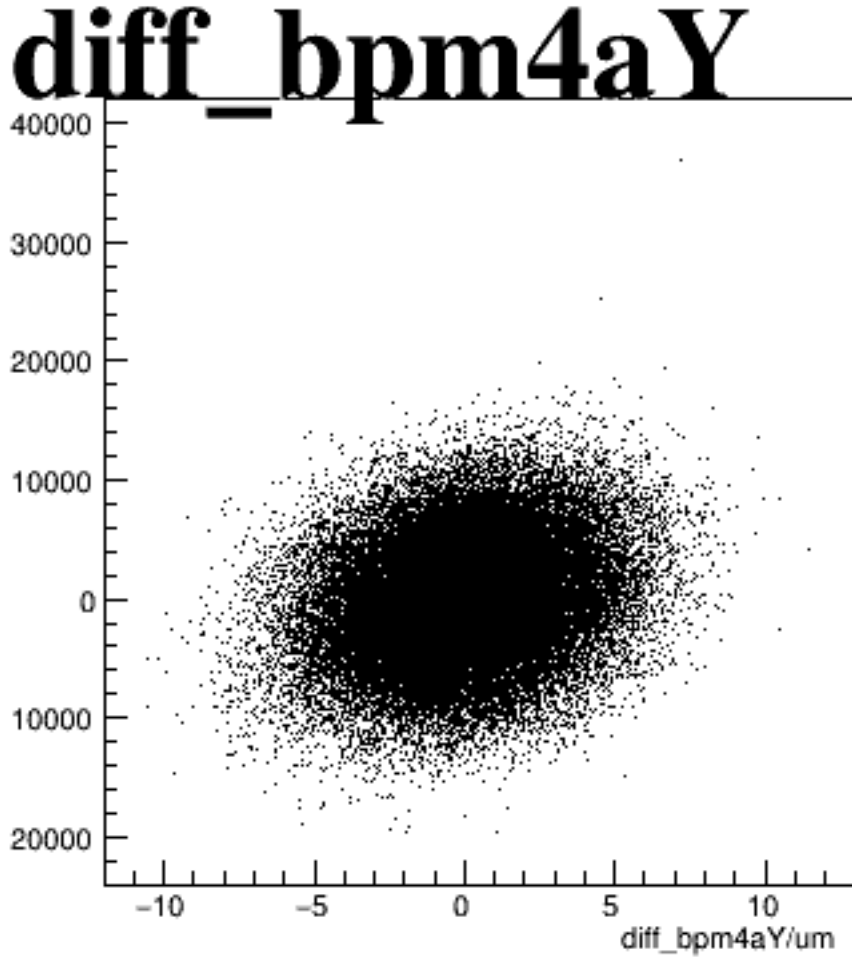
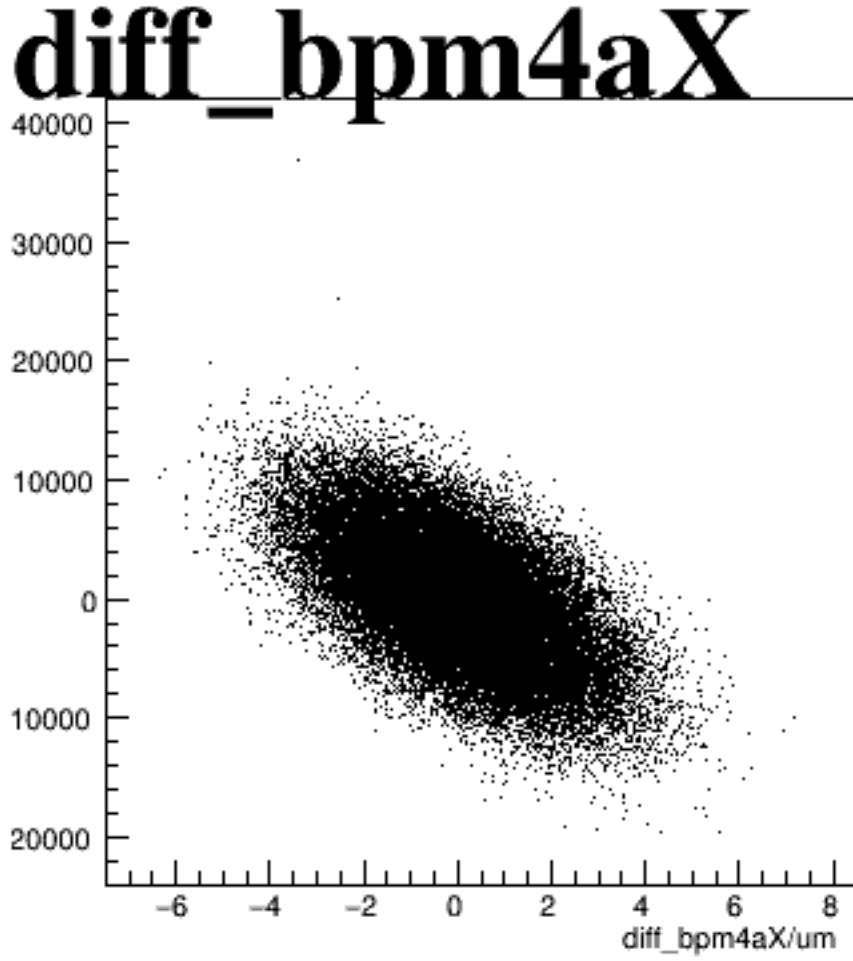
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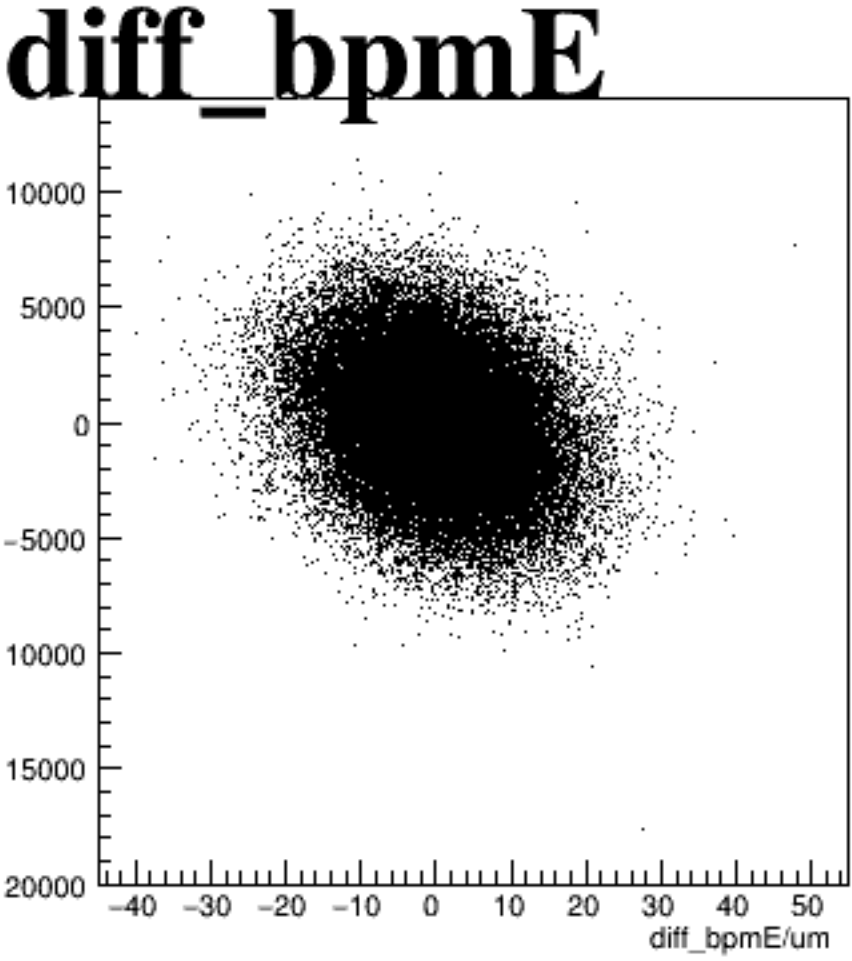
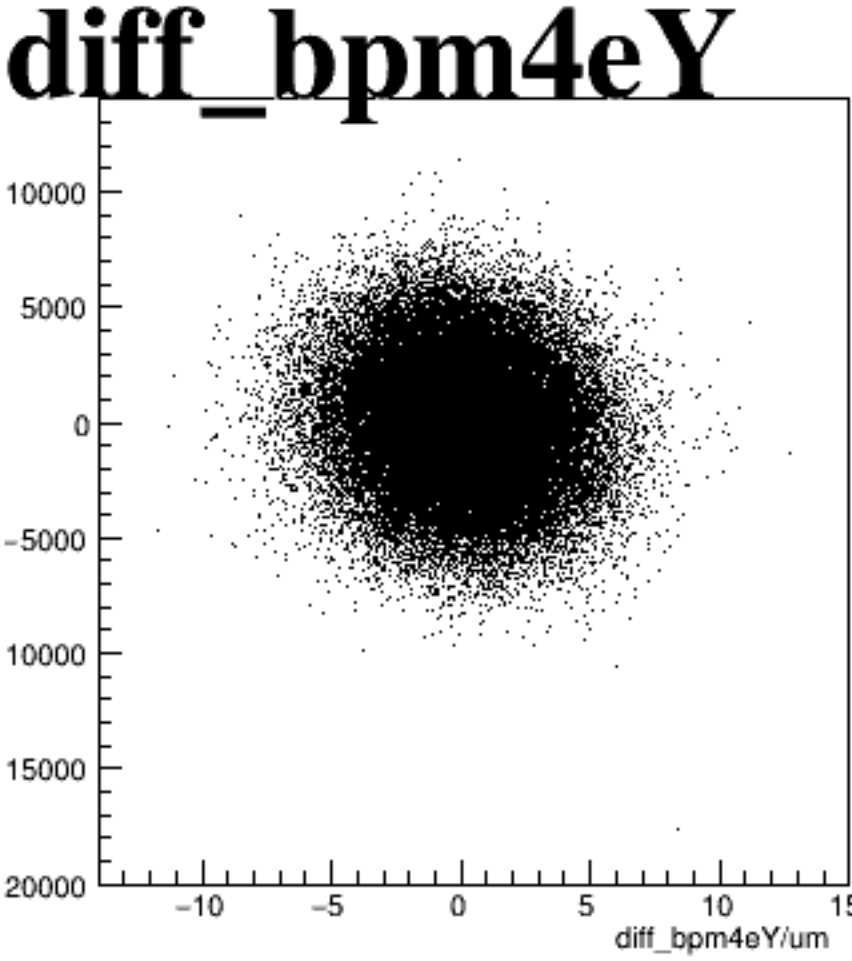
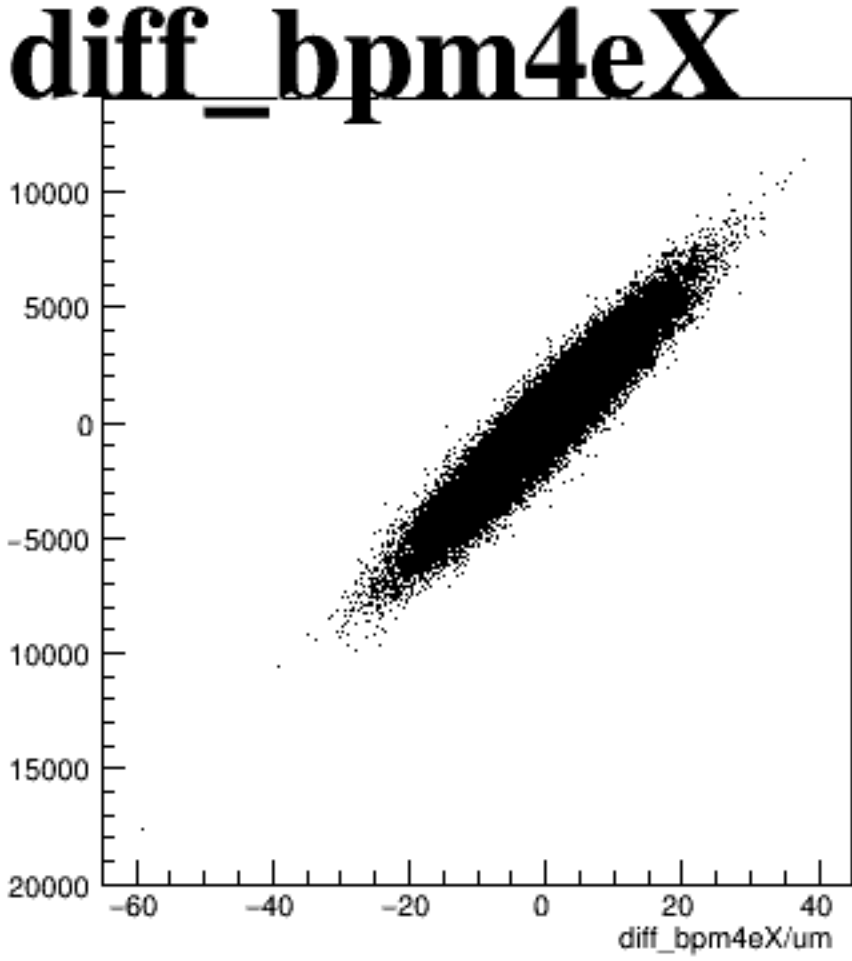
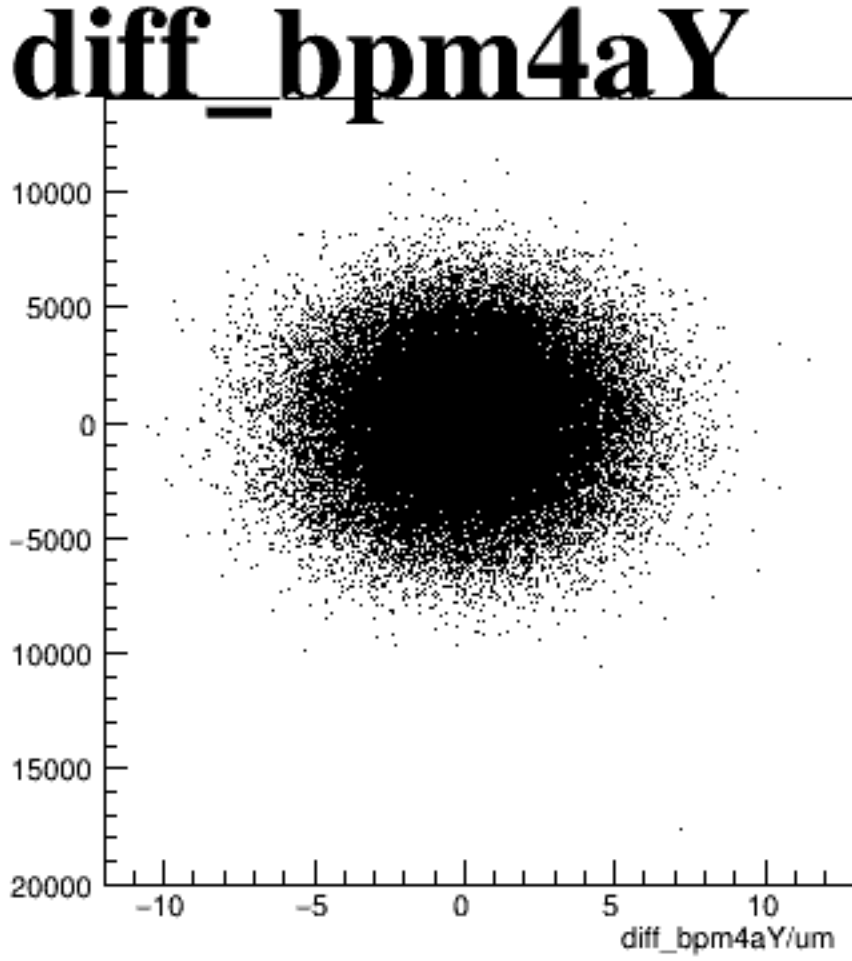
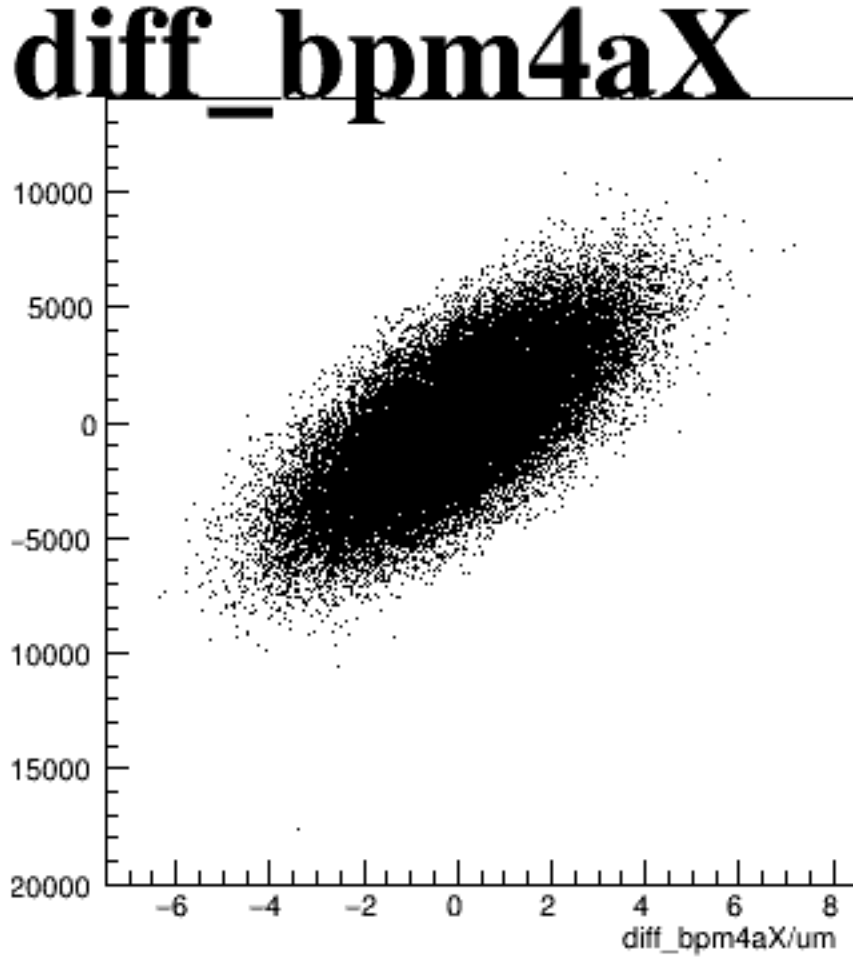
asym_sam2



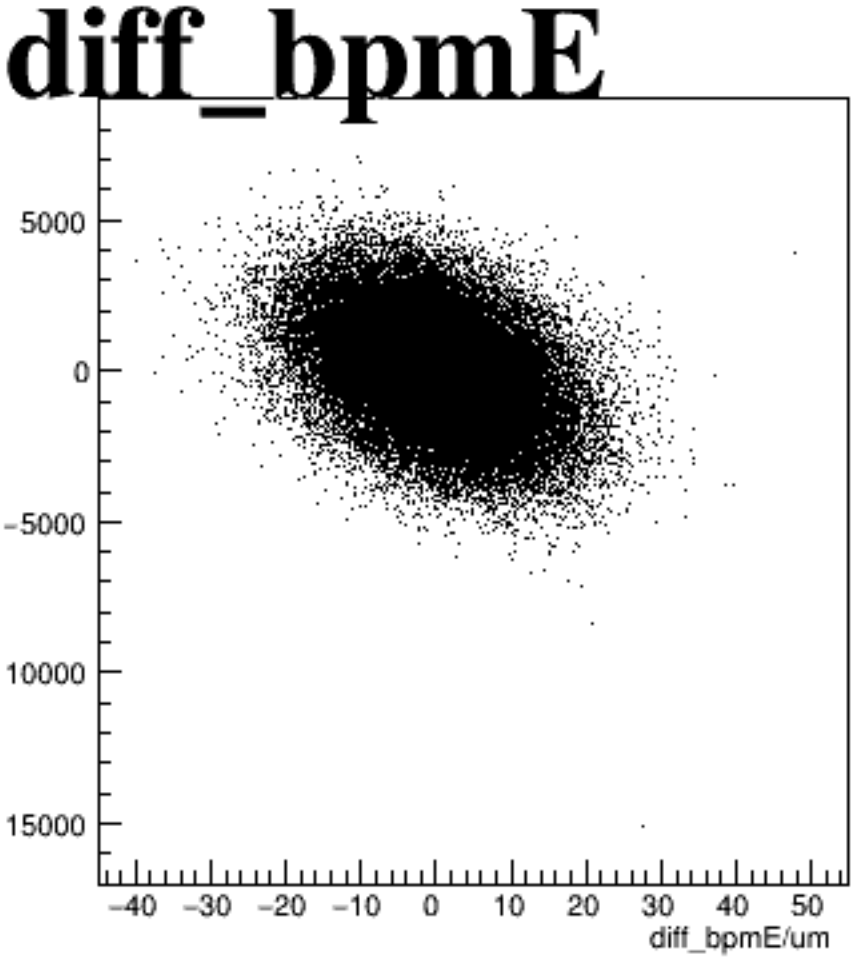
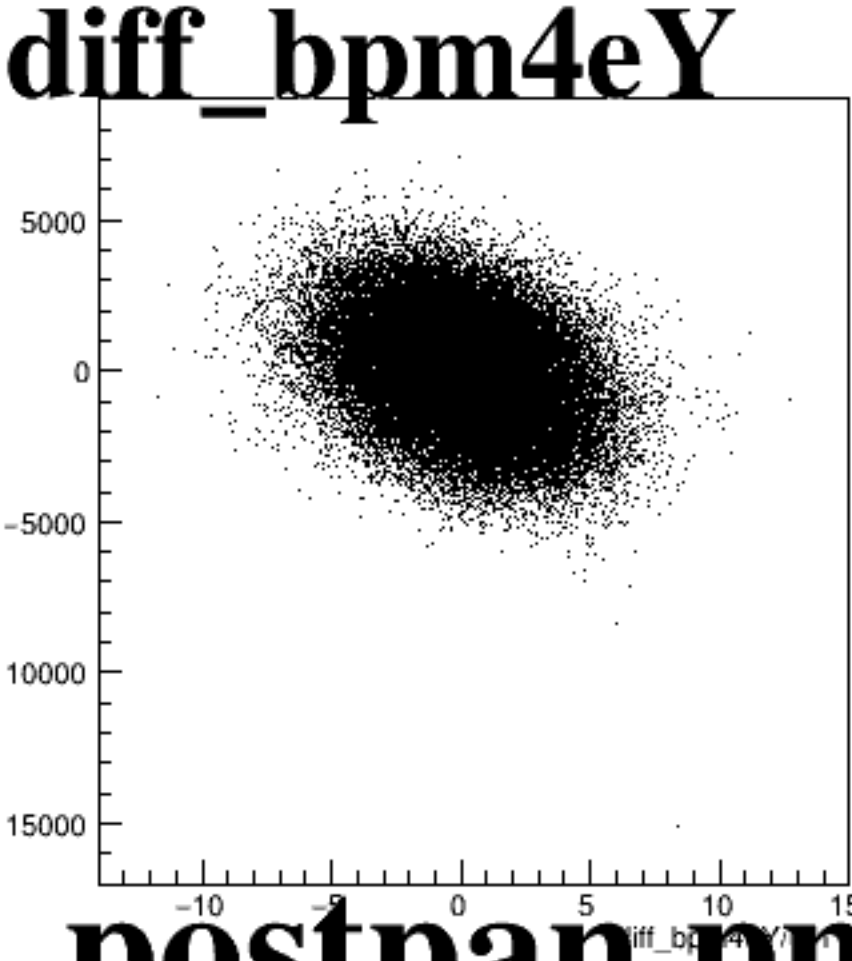
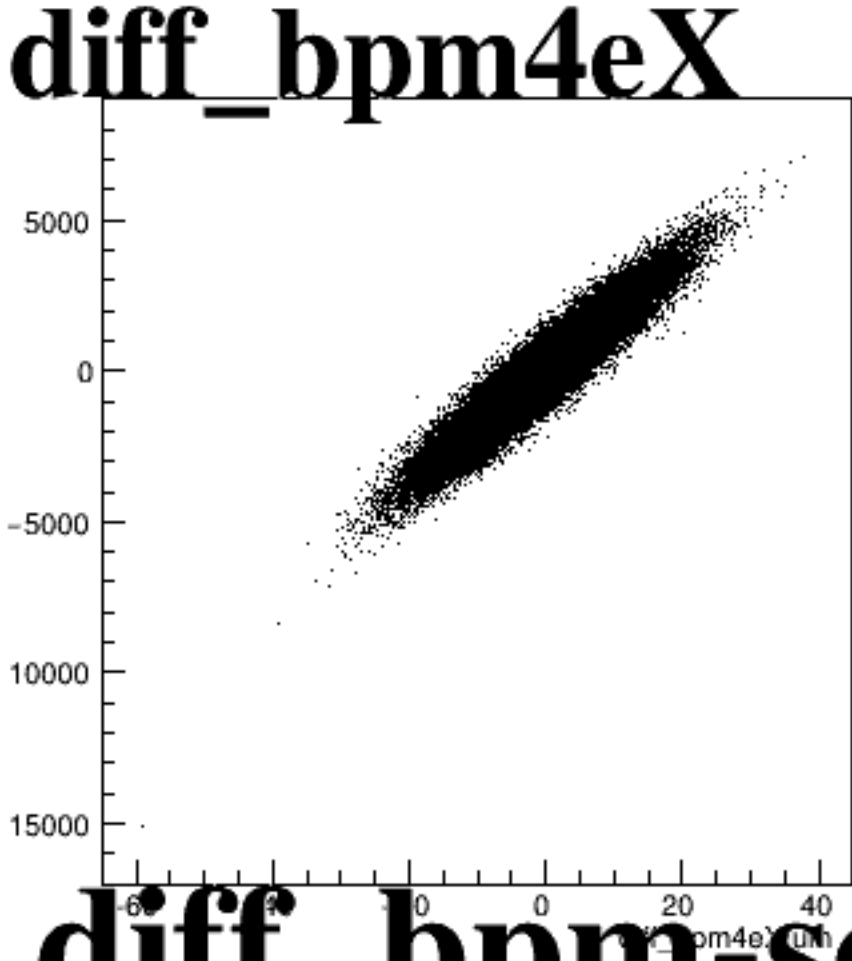
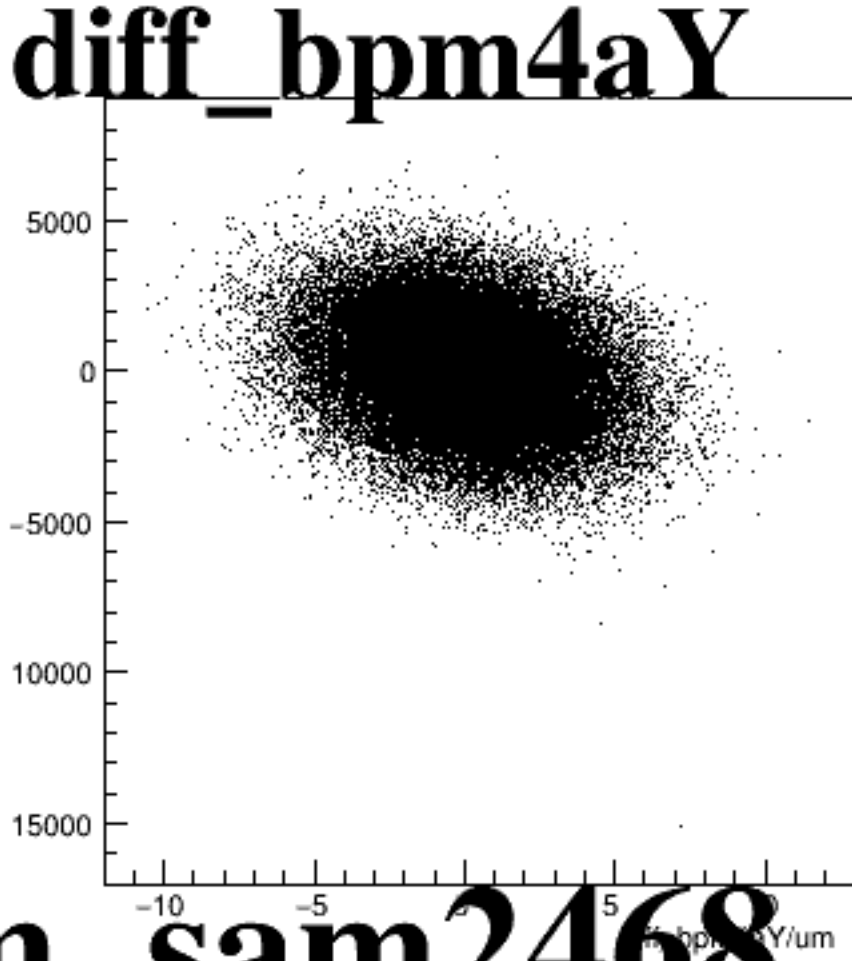
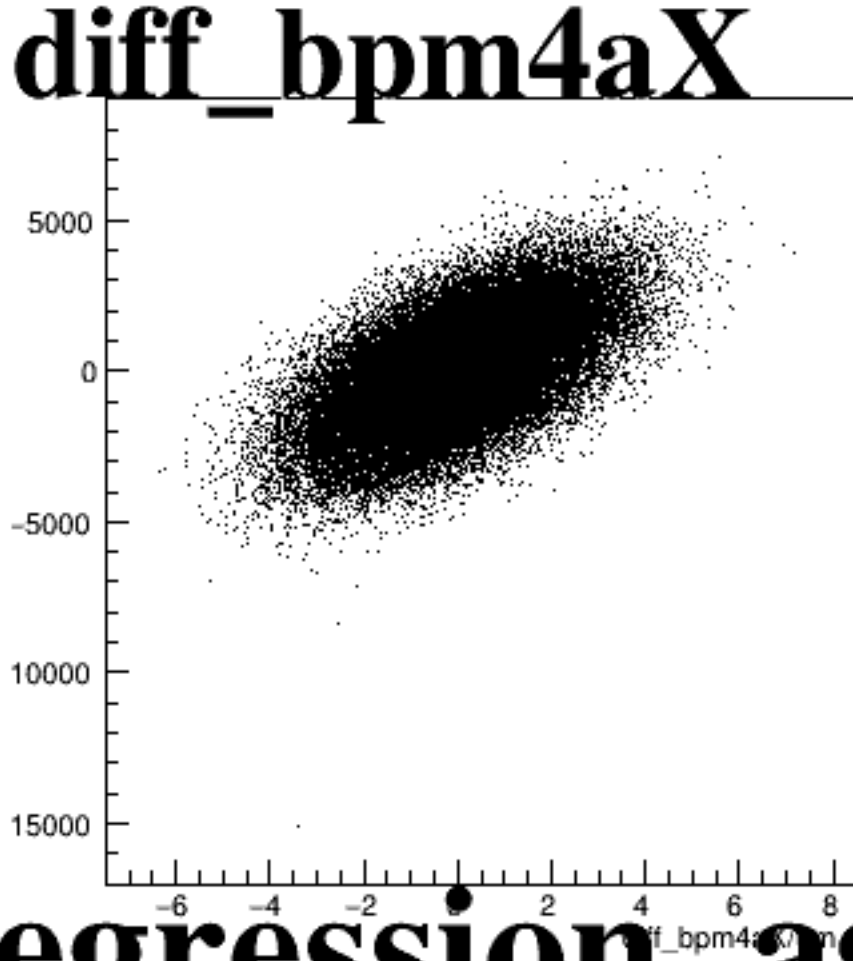
asym_sam4



asym_sam6



asym_sam8



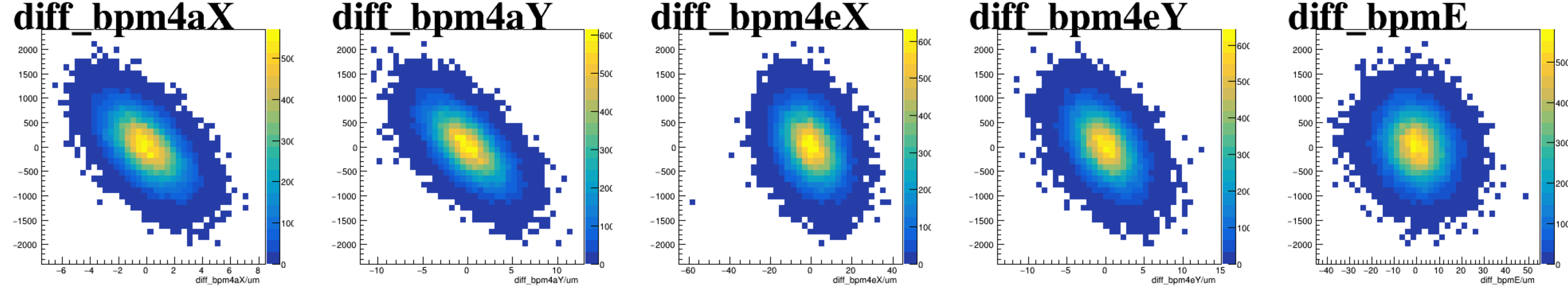
The figure consists of five scatter plots arranged horizontally, each showing the difference in BPM (diff_bpm) for a specific beam parameter. The y-axis for all plots is labeled 'diff_bpm' and ranges from -6000 to 8000. The x-axis for each plot is labeled 'diff_bpm[parameter]/um'.

- diff_bpm4aX**: The x-axis ranges from -6 to 8. The distribution is centered around 0.
- diff_bpm4aY**: The x-axis ranges from -10 to 10. The distribution is centered around 0.
- diff_bpm4eX**: The x-axis ranges from -60 to 40. The distribution is centered around 0.
- diff_bpm4eY**: The x-axis ranges from -10 to 15. The distribution is centered around 0.
- diff_bpmE**: The x-axis ranges from -40 to 50. The distribution is centered around 0.

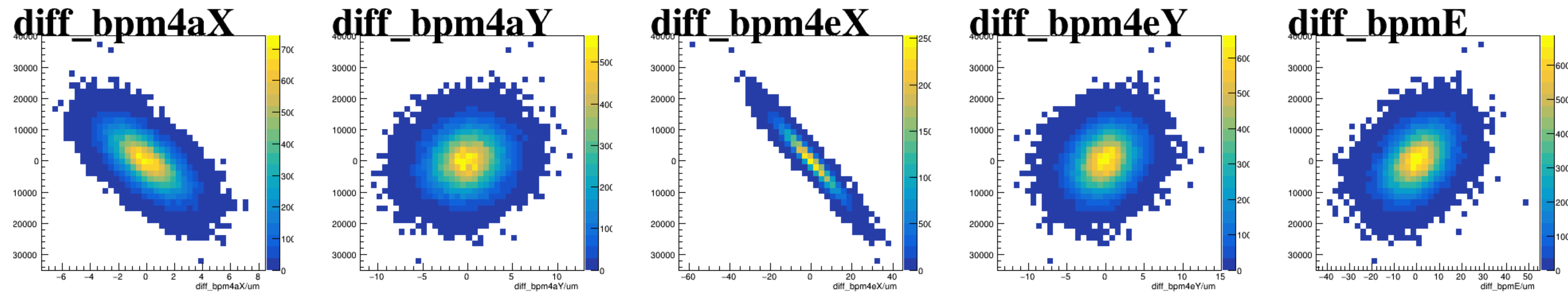
All plots show a dense, roughly circular distribution of points centered around zero, indicating that the difference in BPM is small and centered around zero for all parameters.

run3531_000_regression_reg_sam2468_vs_diff_bpm-scat_postpan.png

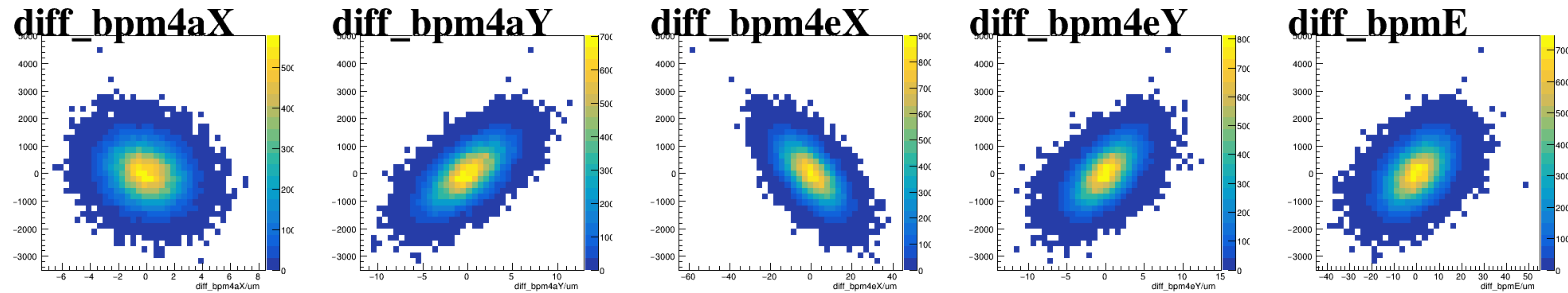
asym_sam1



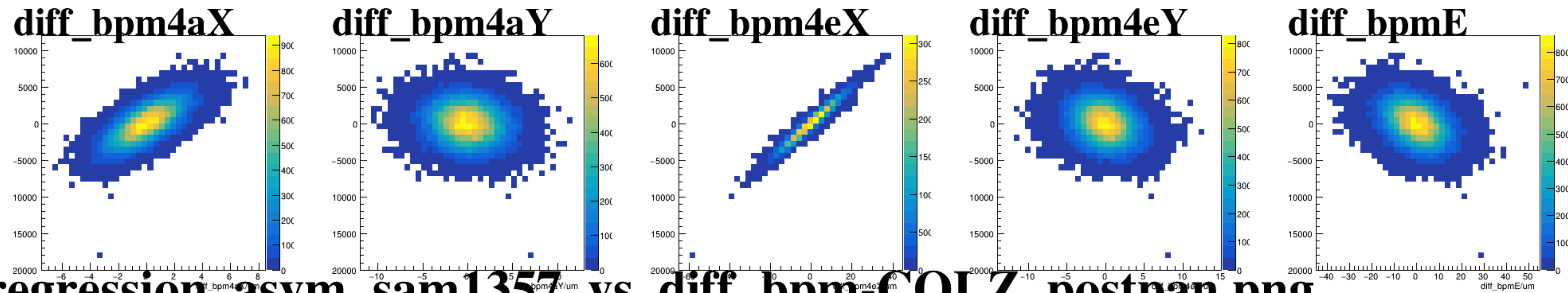
asym_sam3



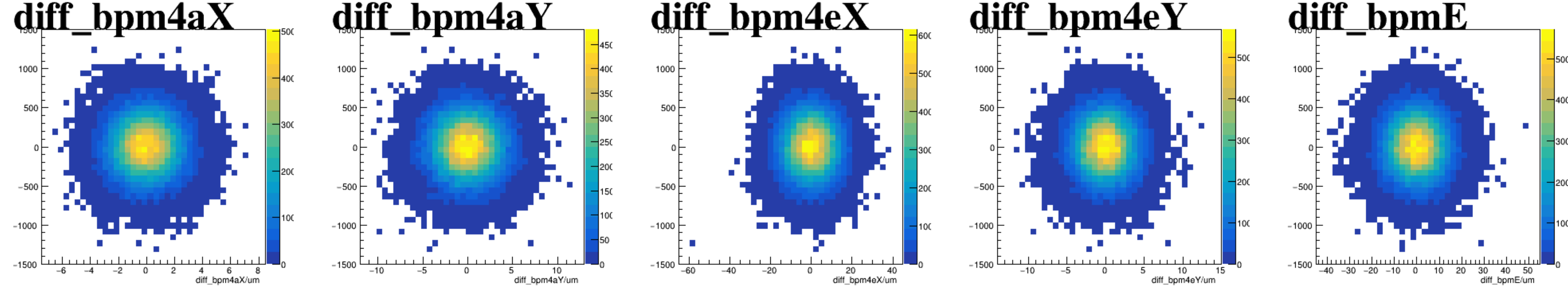
asym_sam5



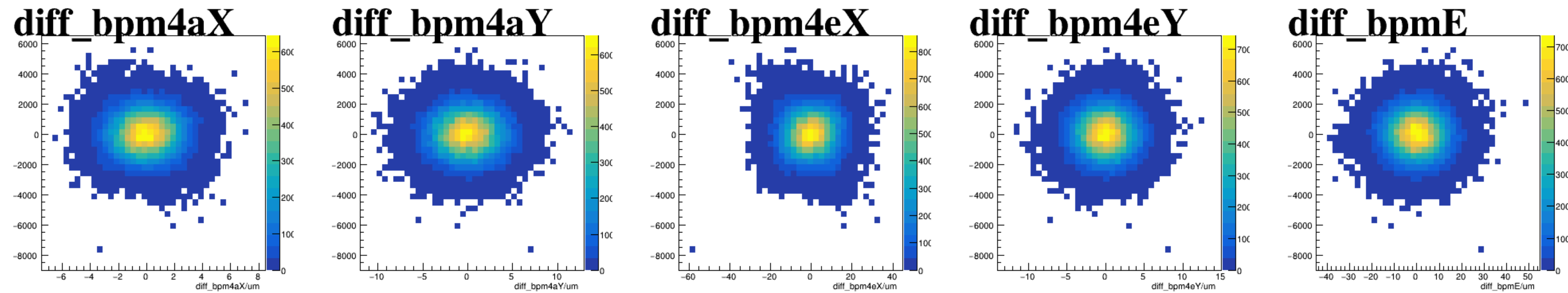
asym_sam7



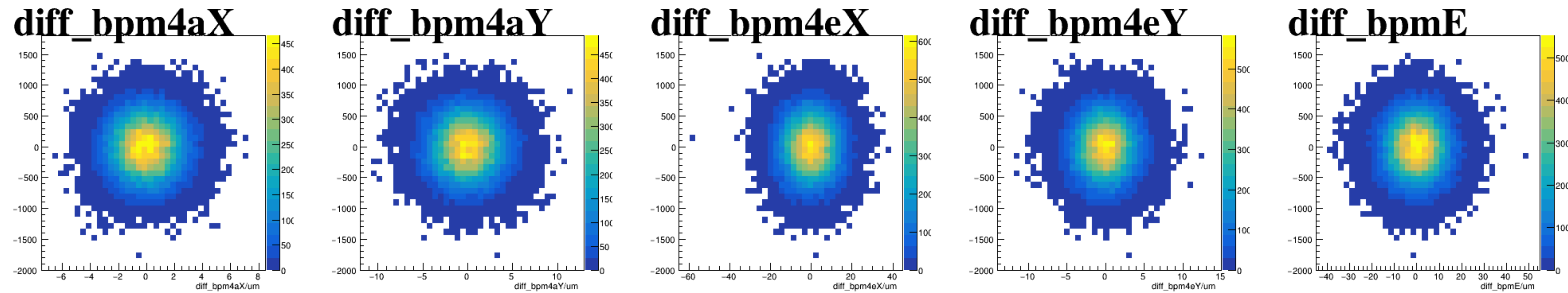
reg_asym_sam1



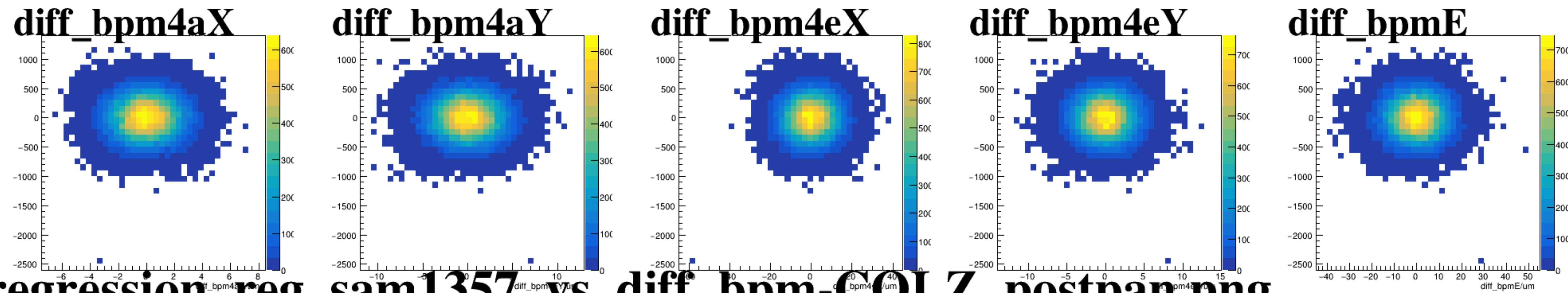
reg_asym_sam3



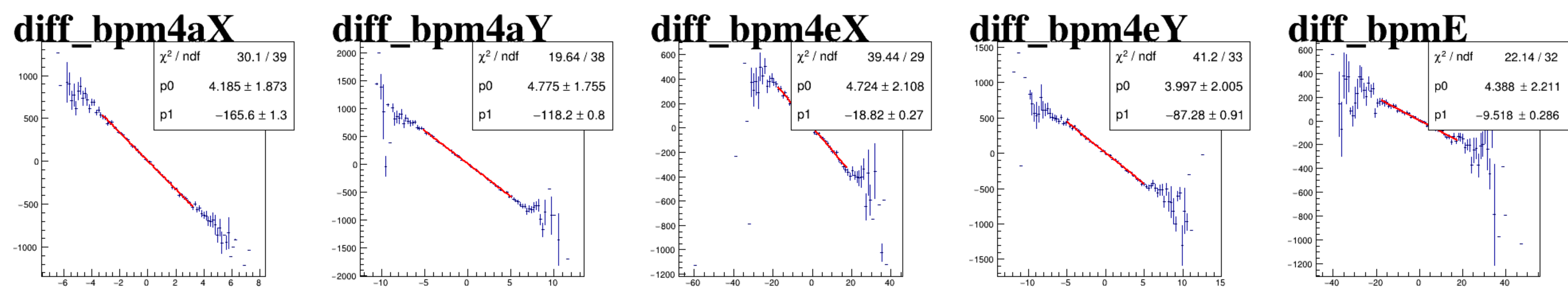
reg_asym_sam5



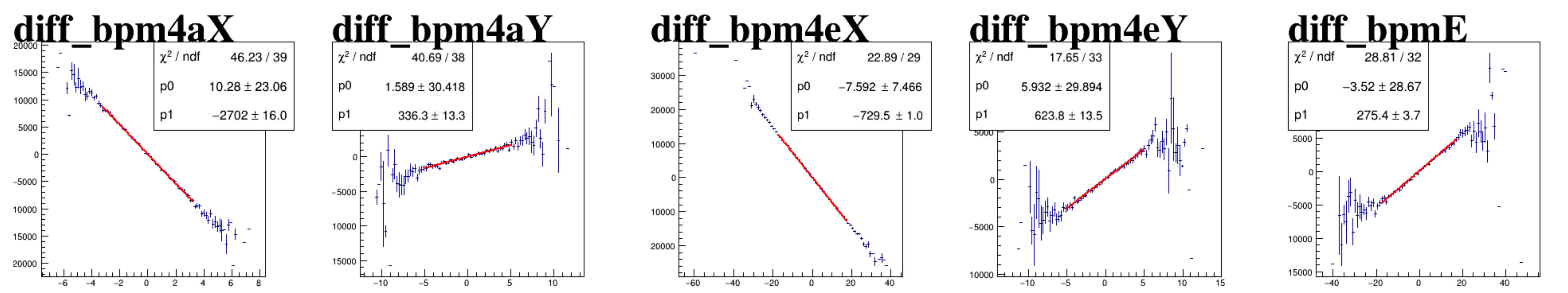
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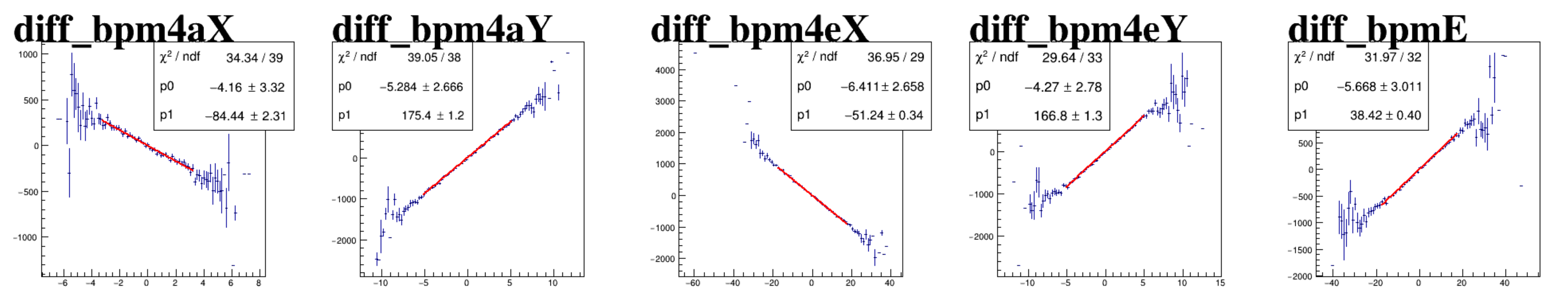
asym_sam1



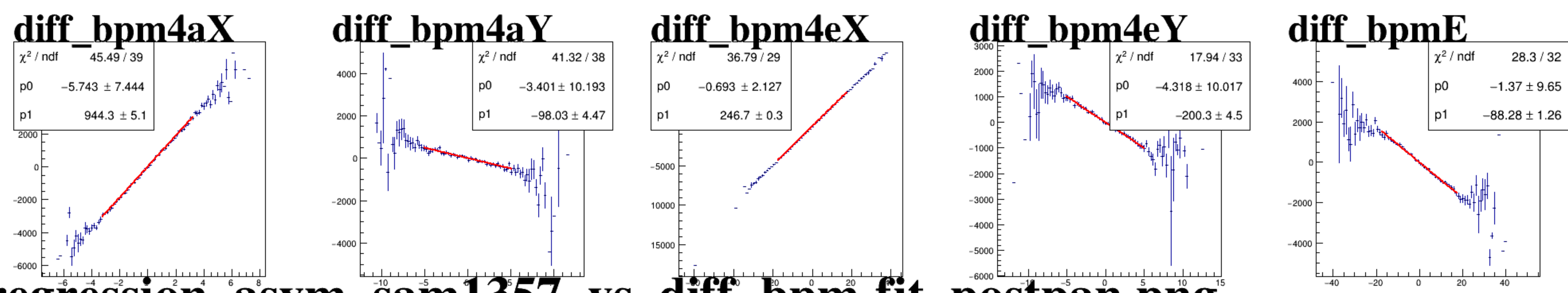
asym_sam3



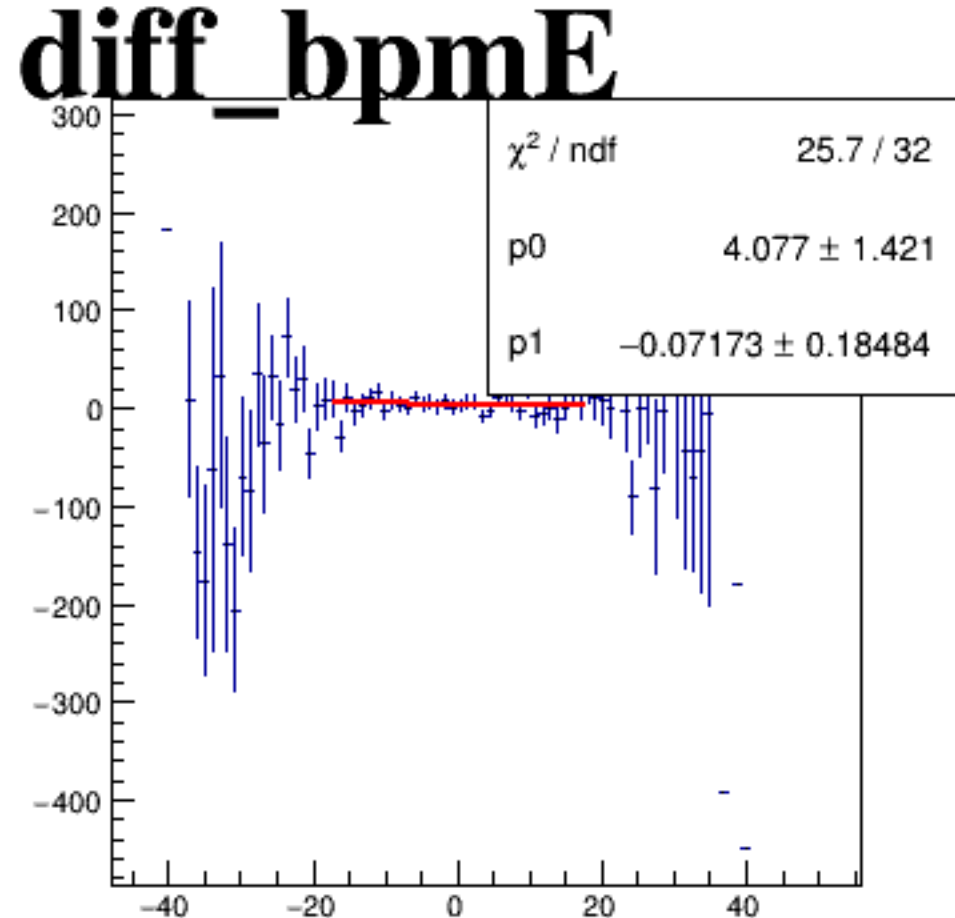
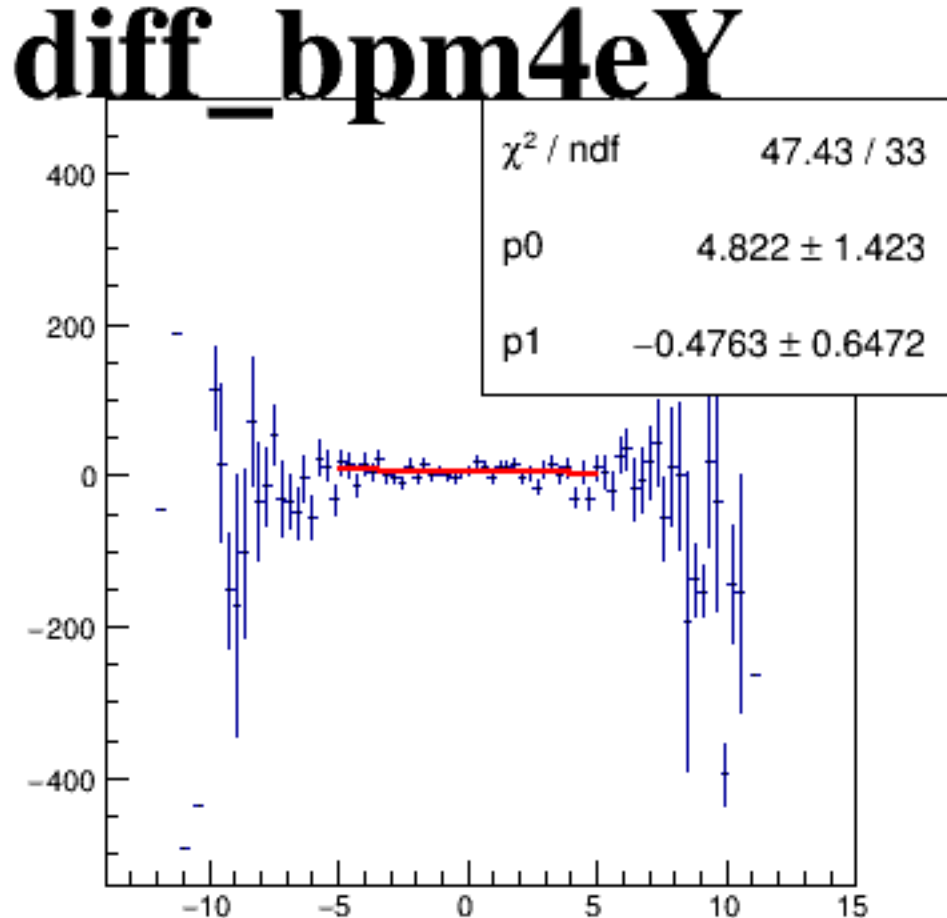
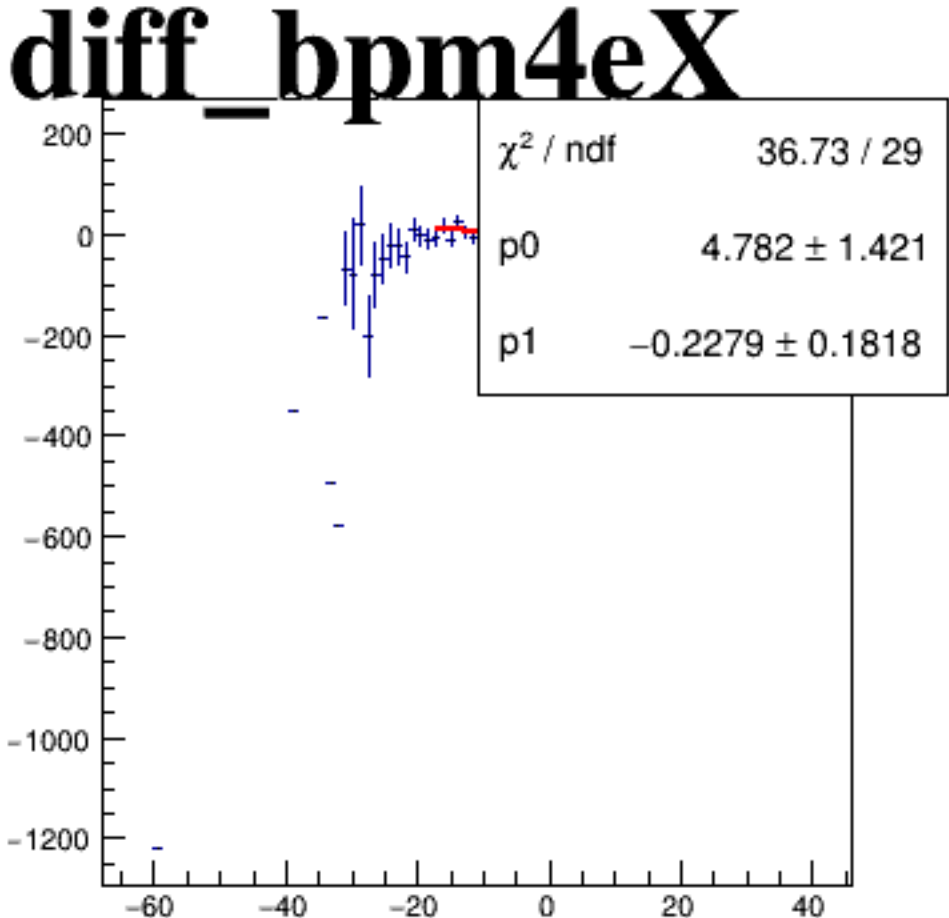
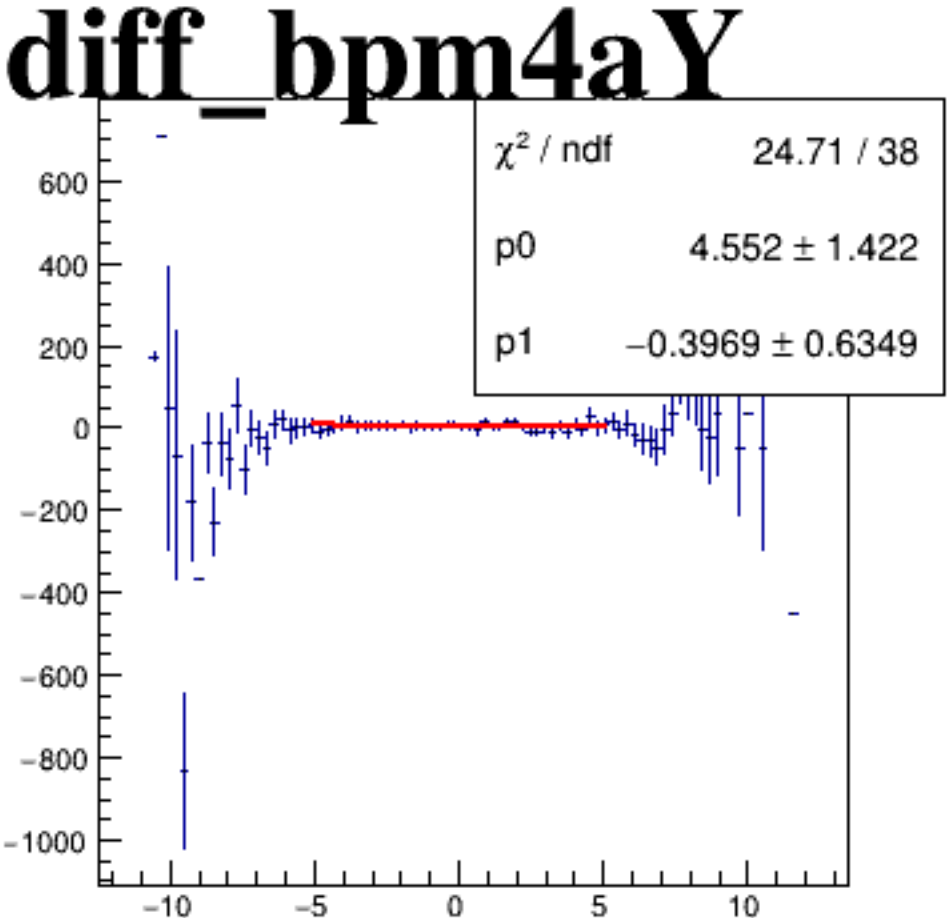
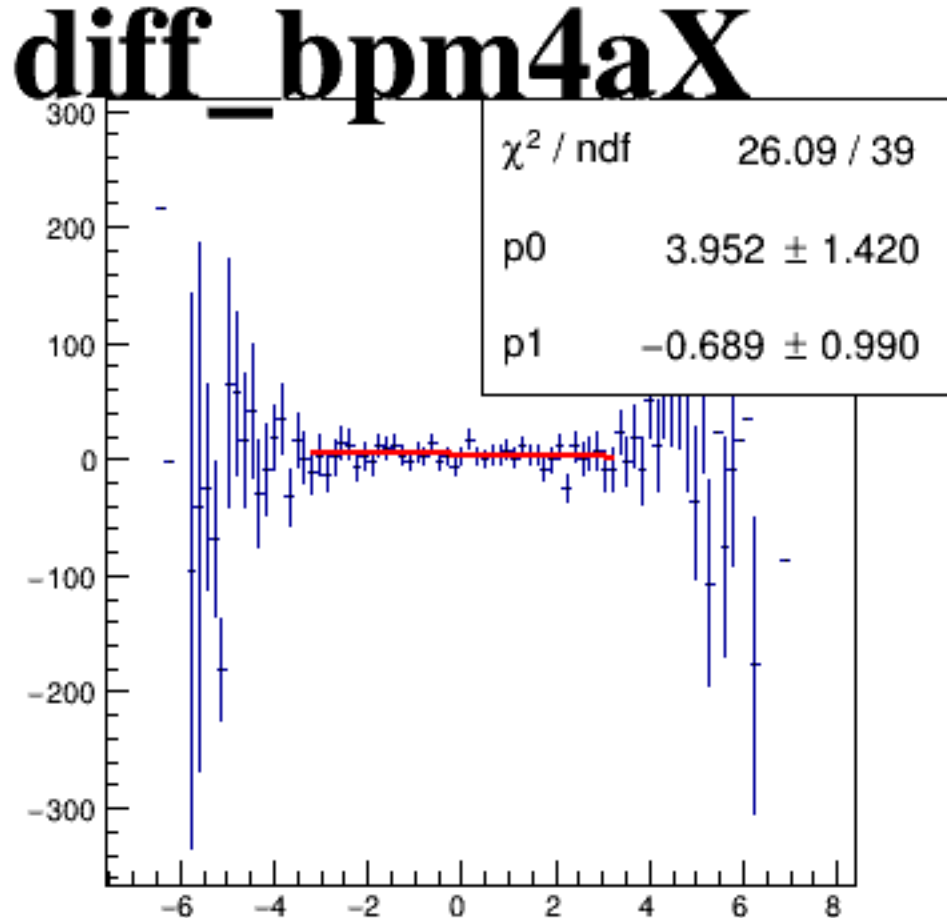
asym_sam5



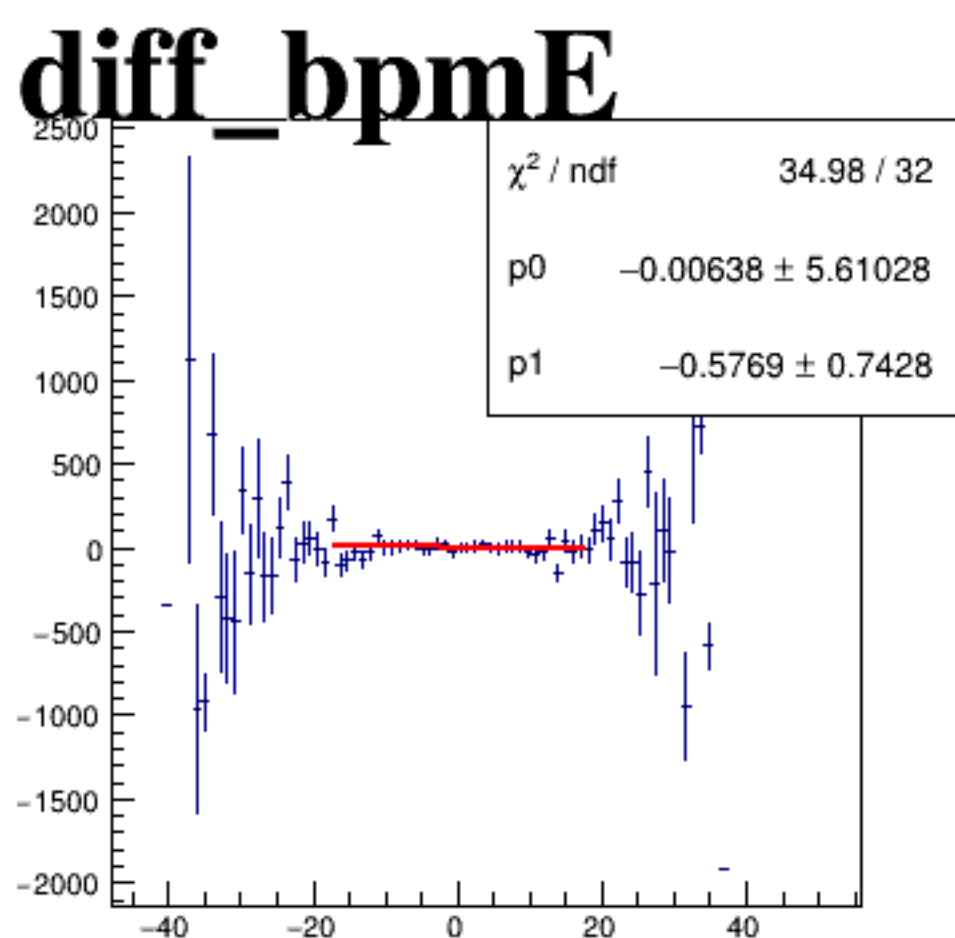
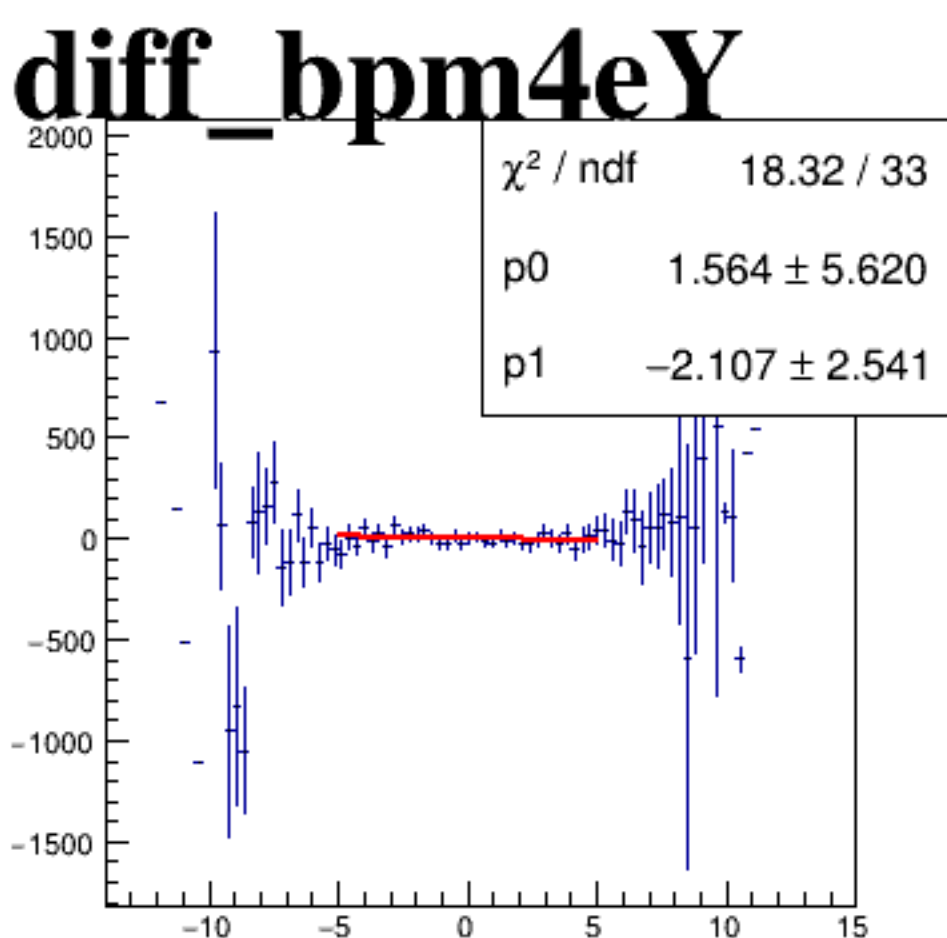
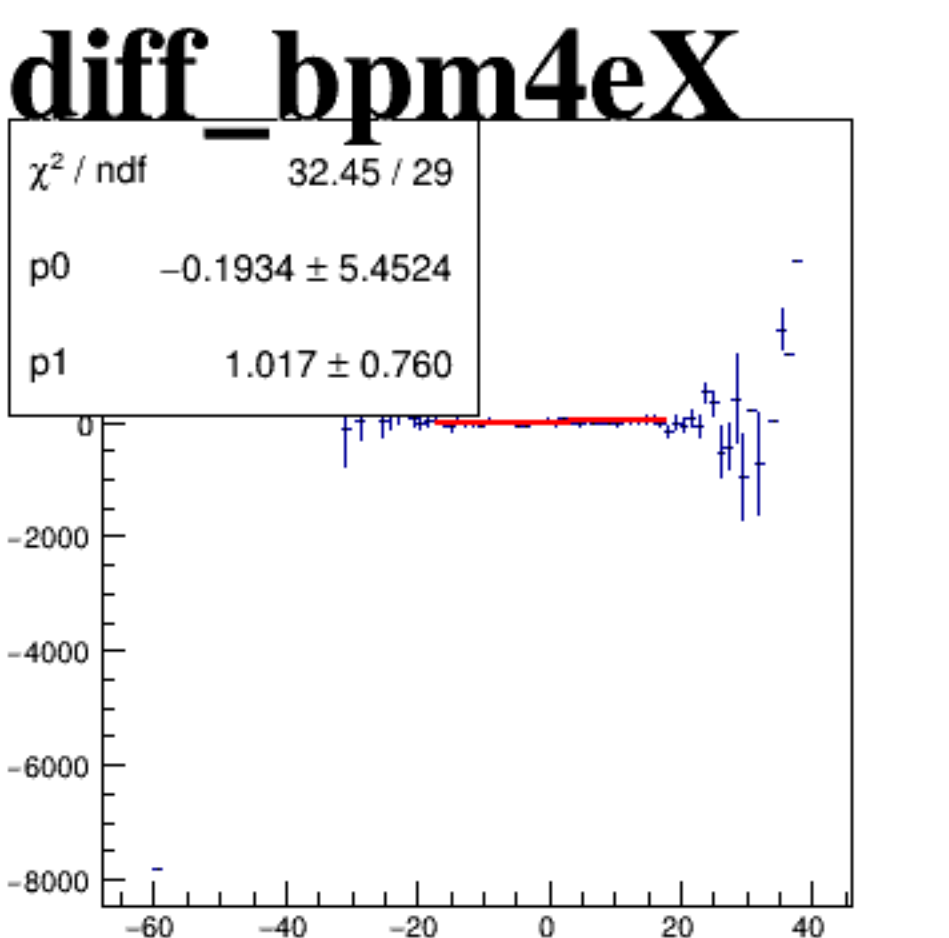
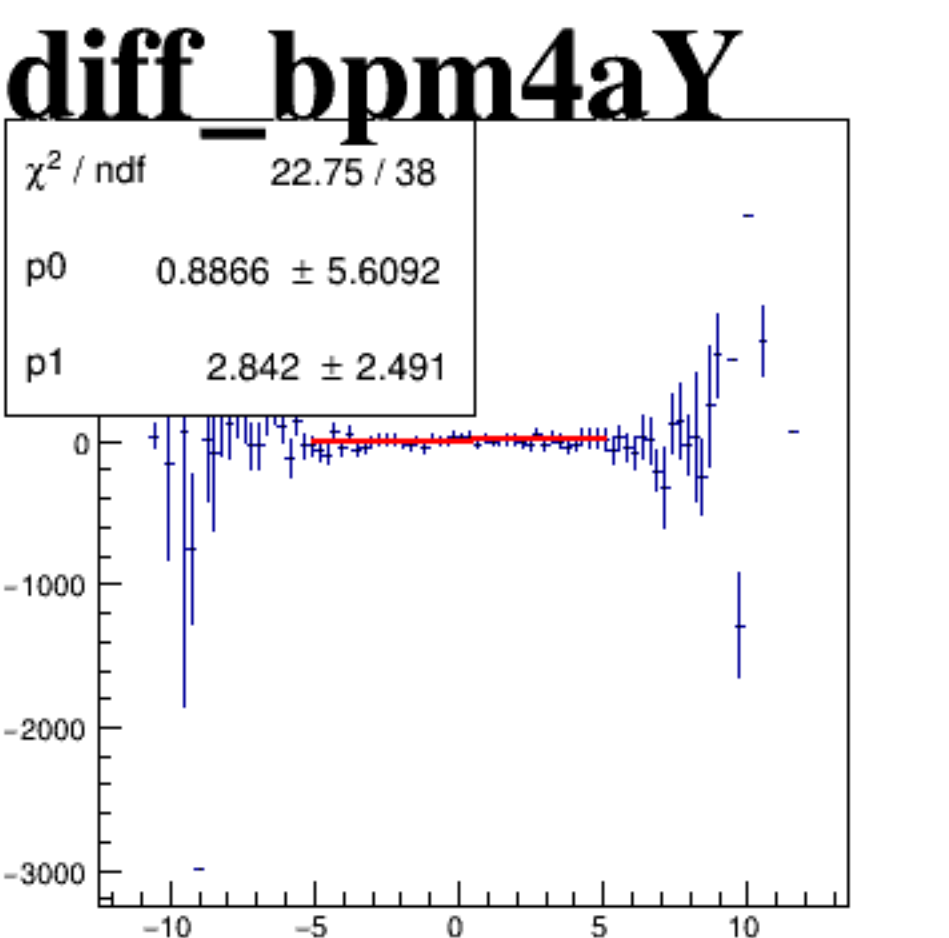
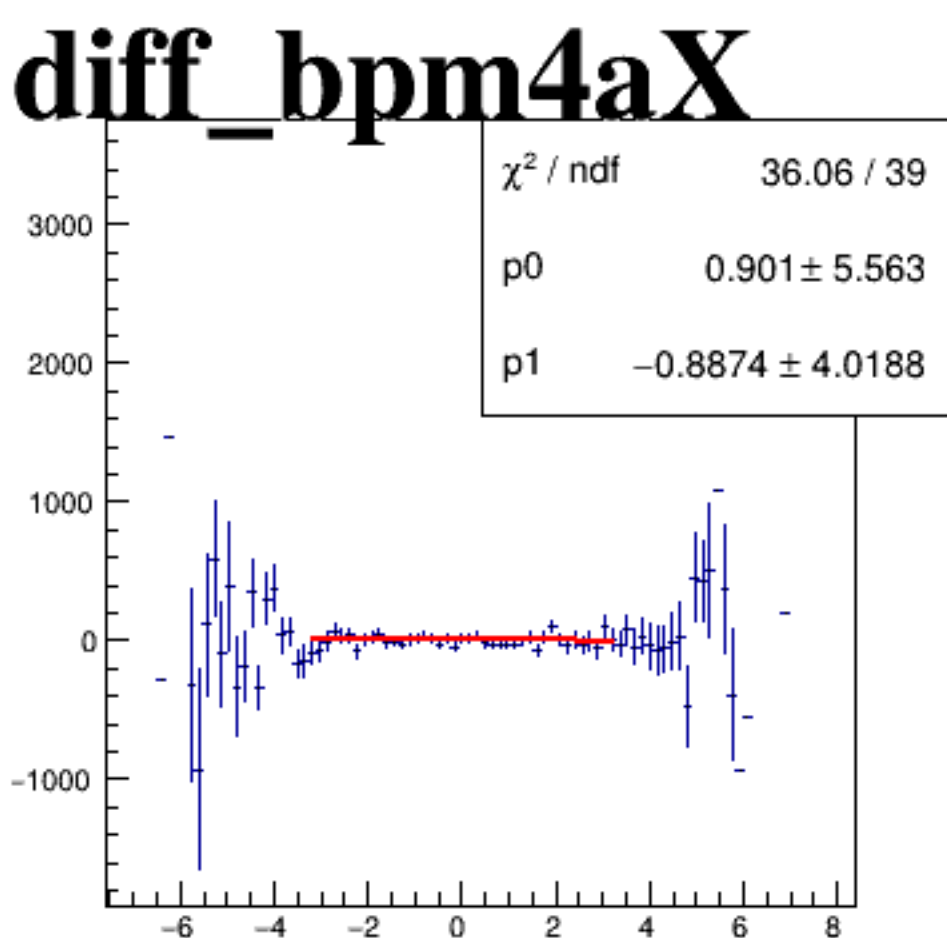
asym_sam7



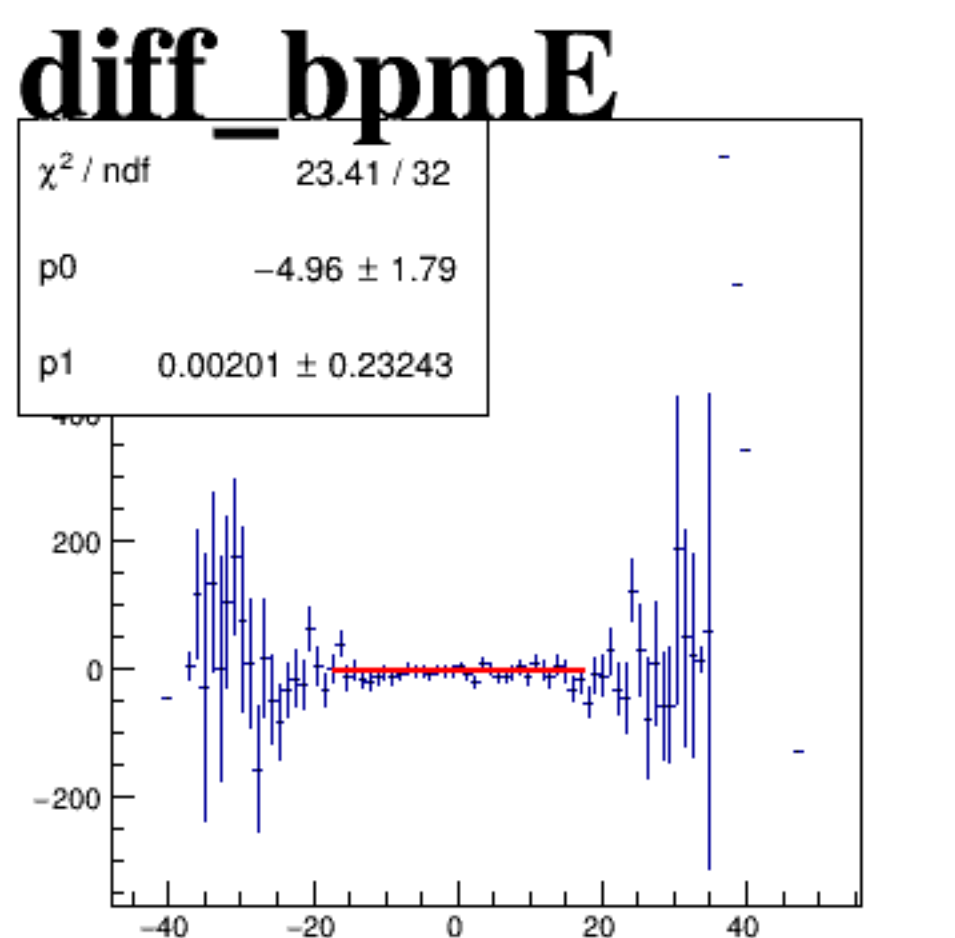
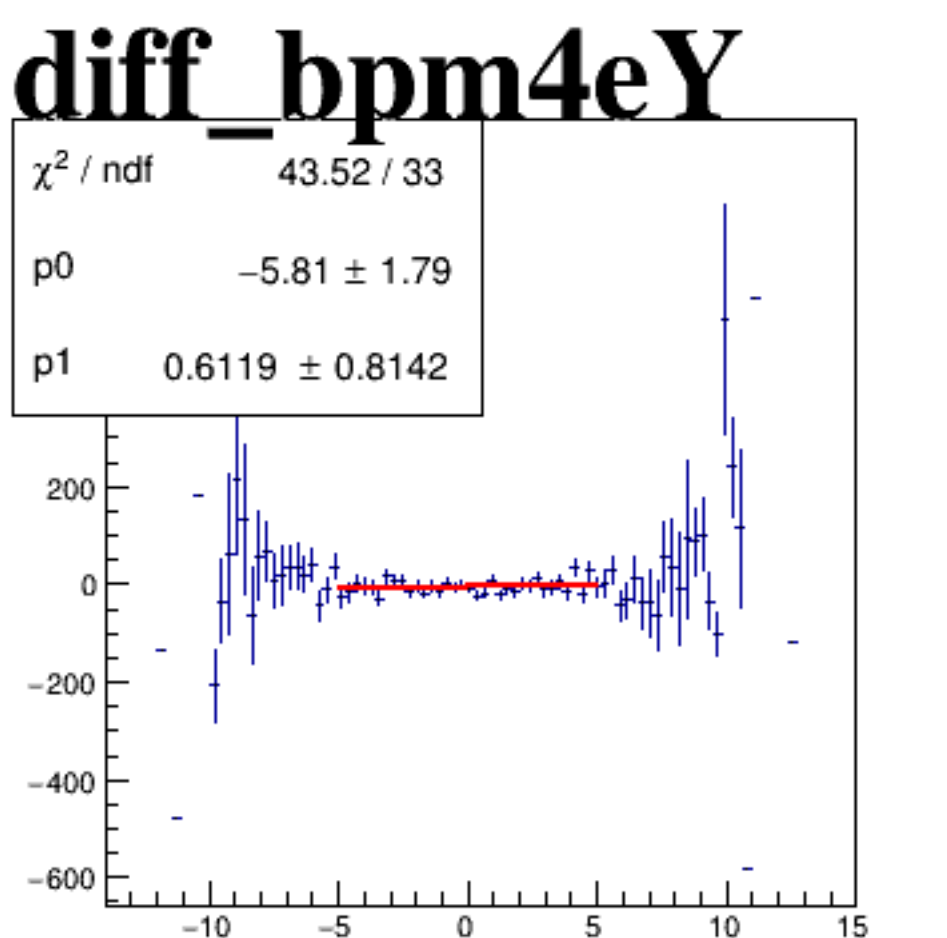
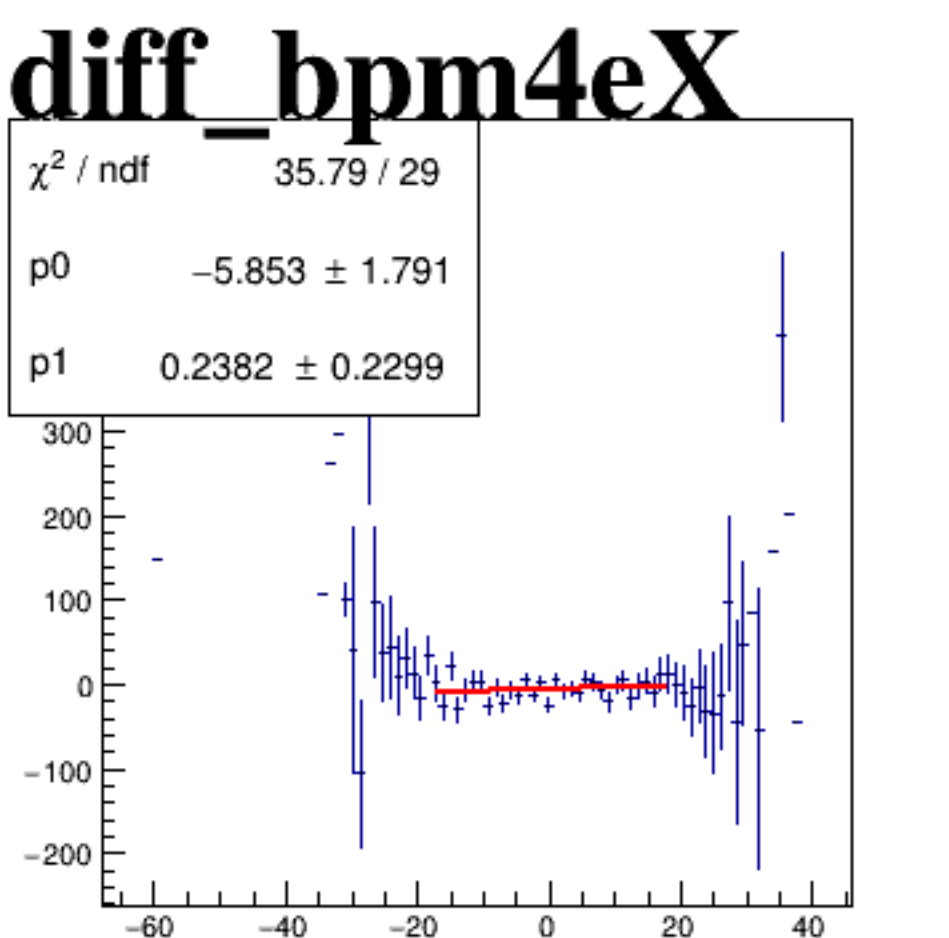
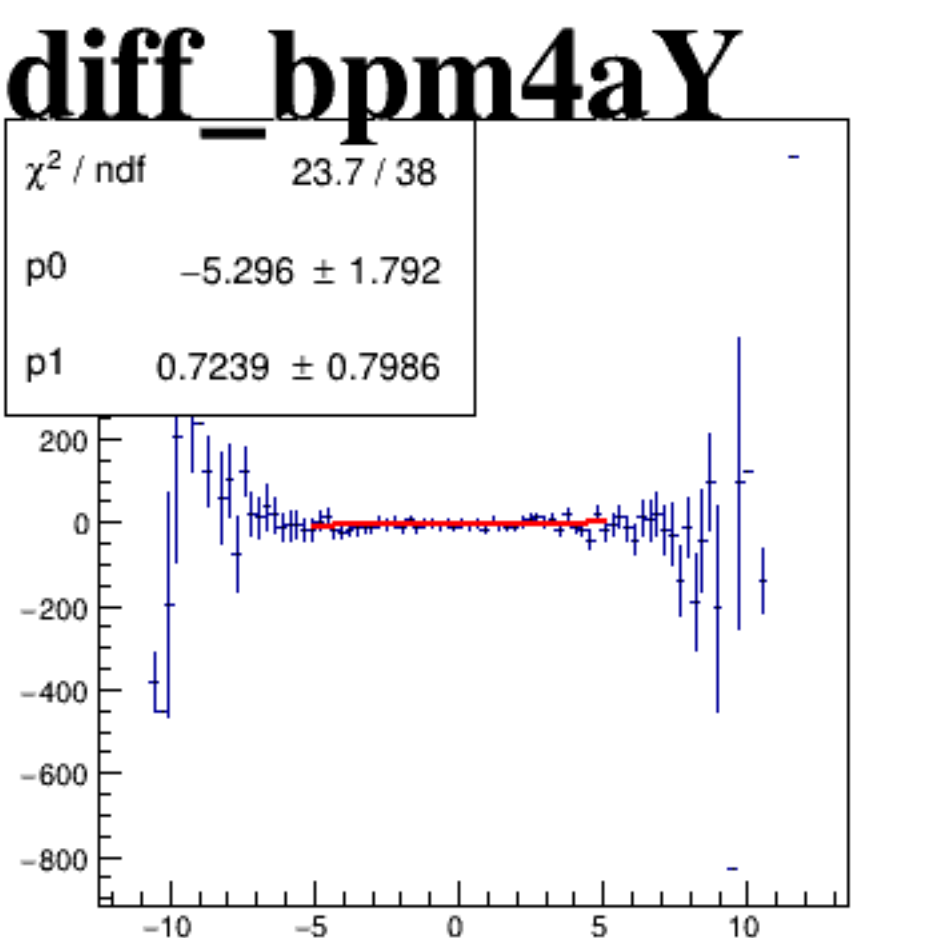
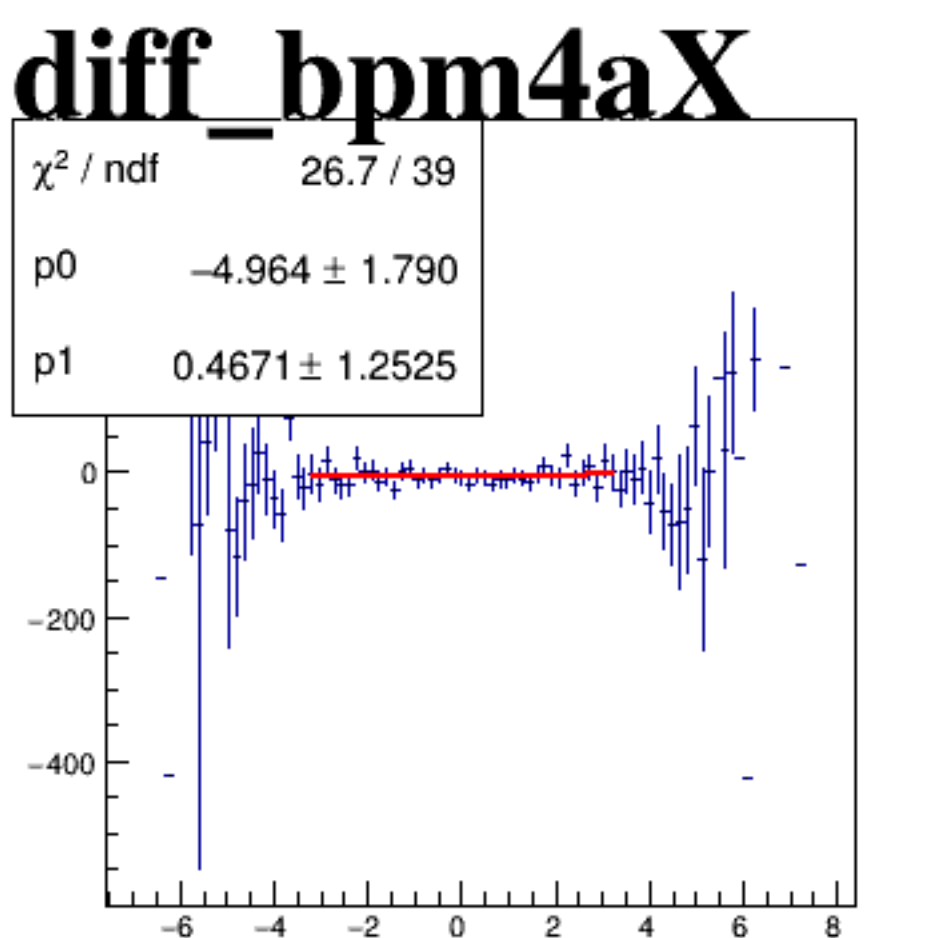
reg_asym_sam1



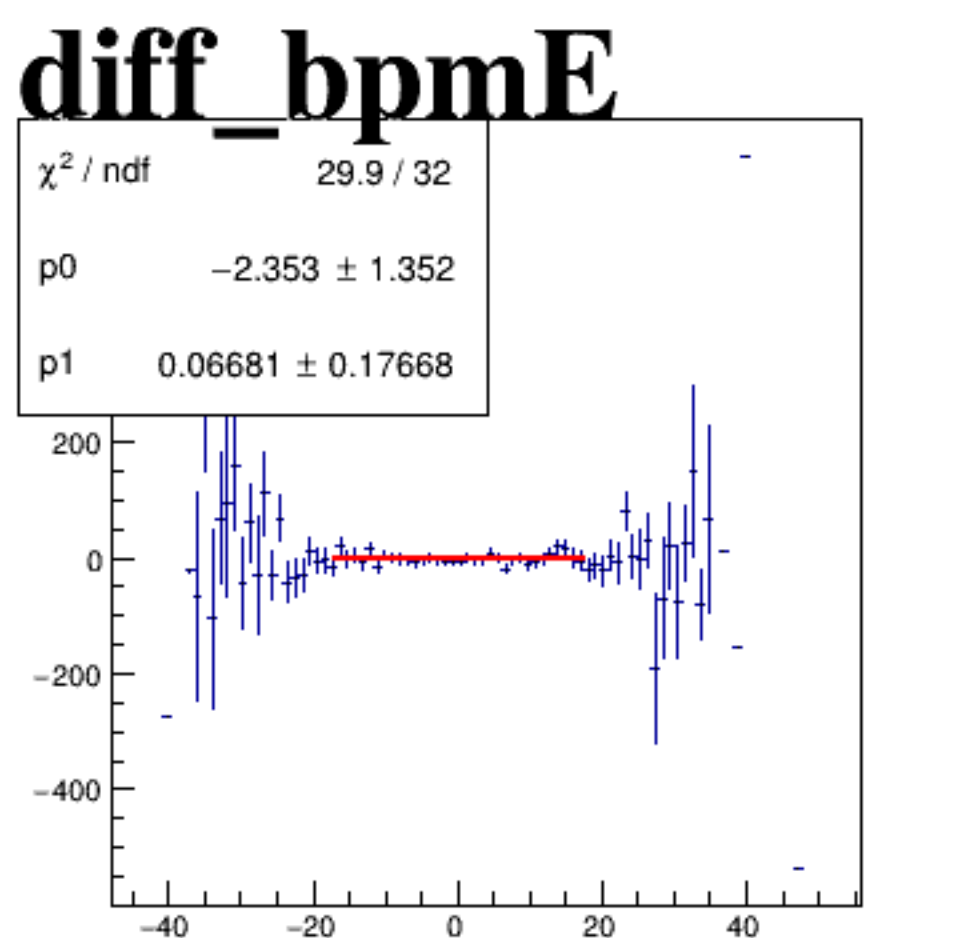
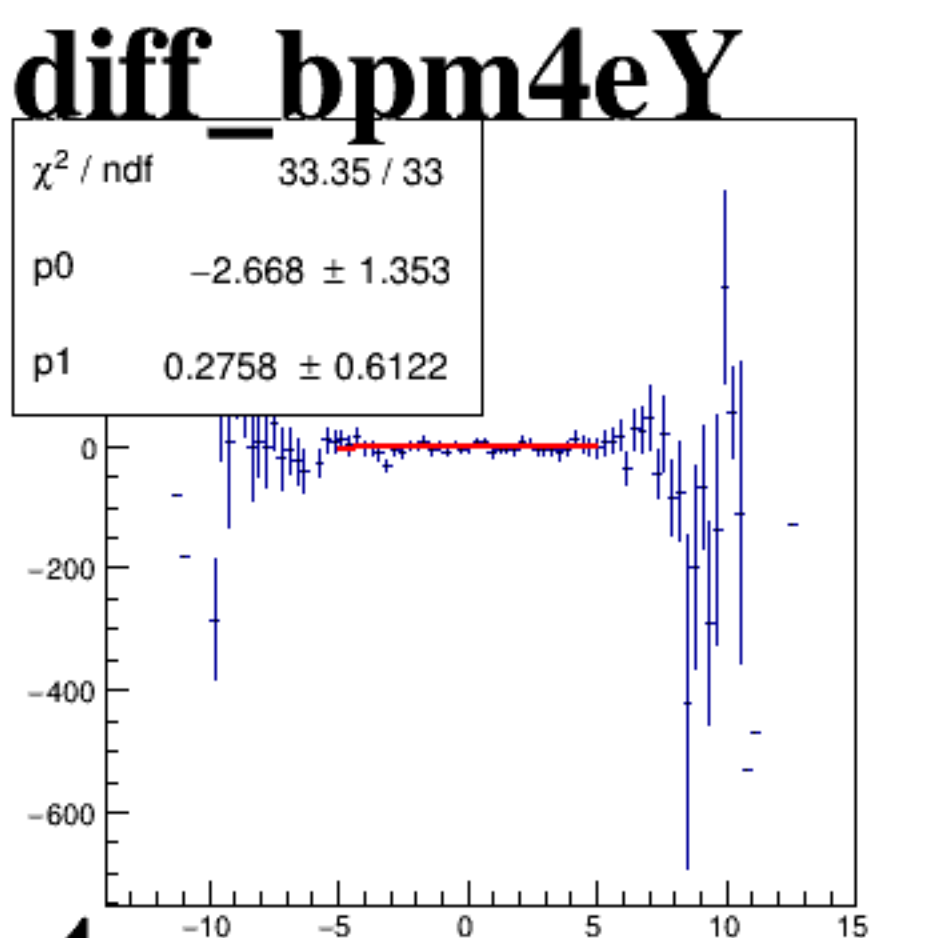
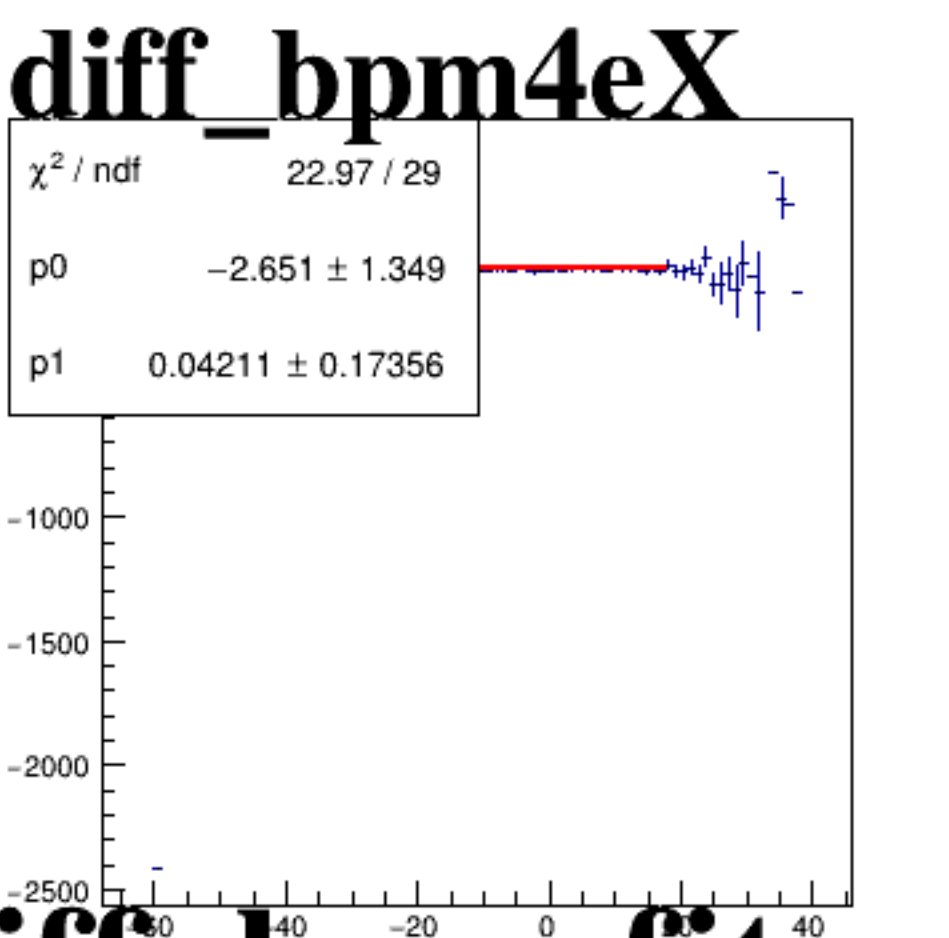
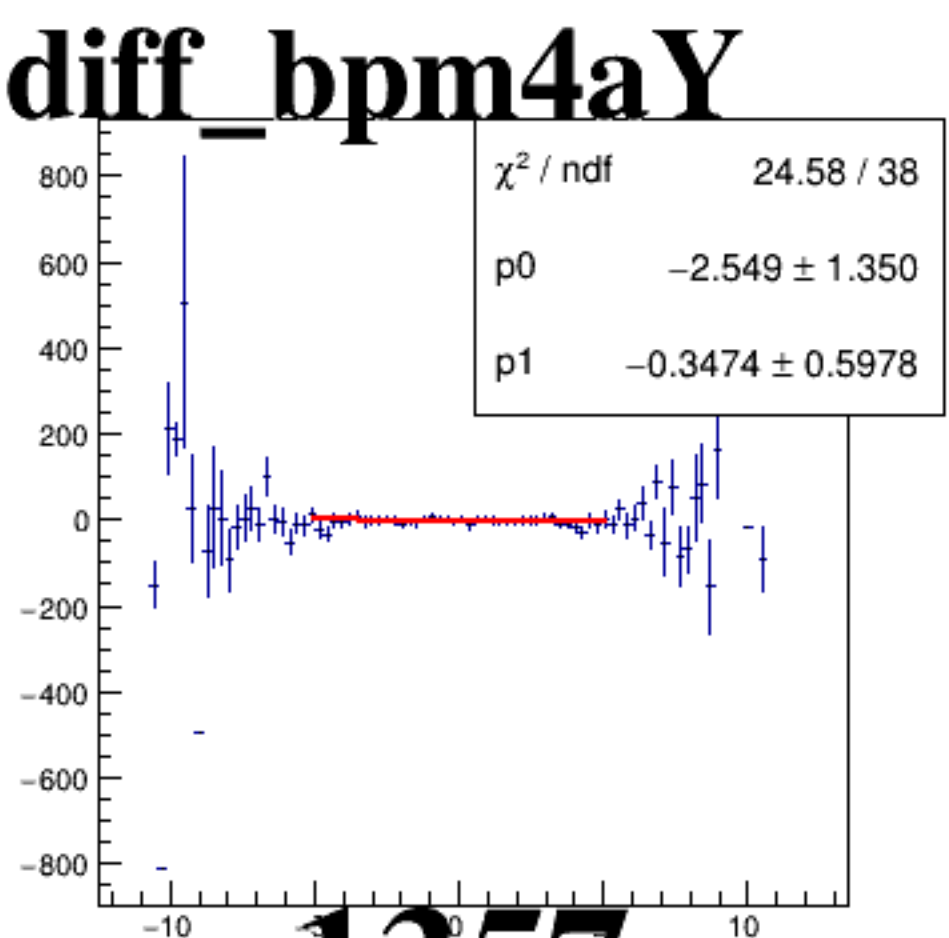
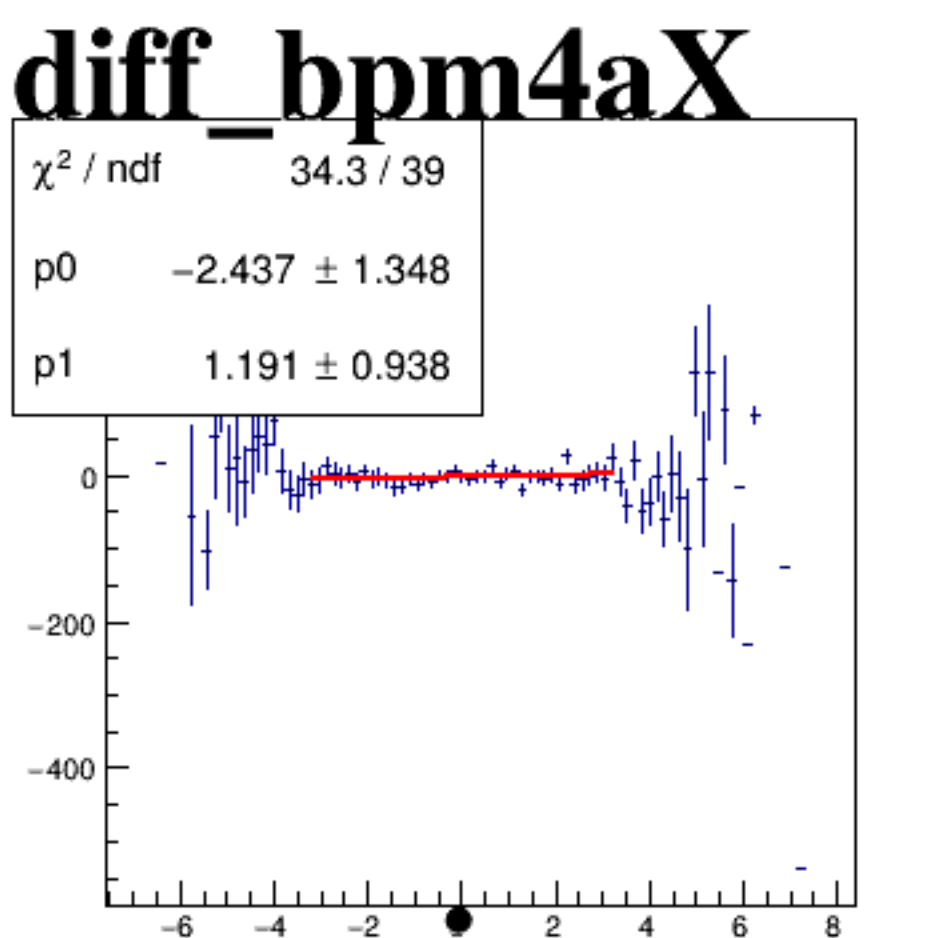
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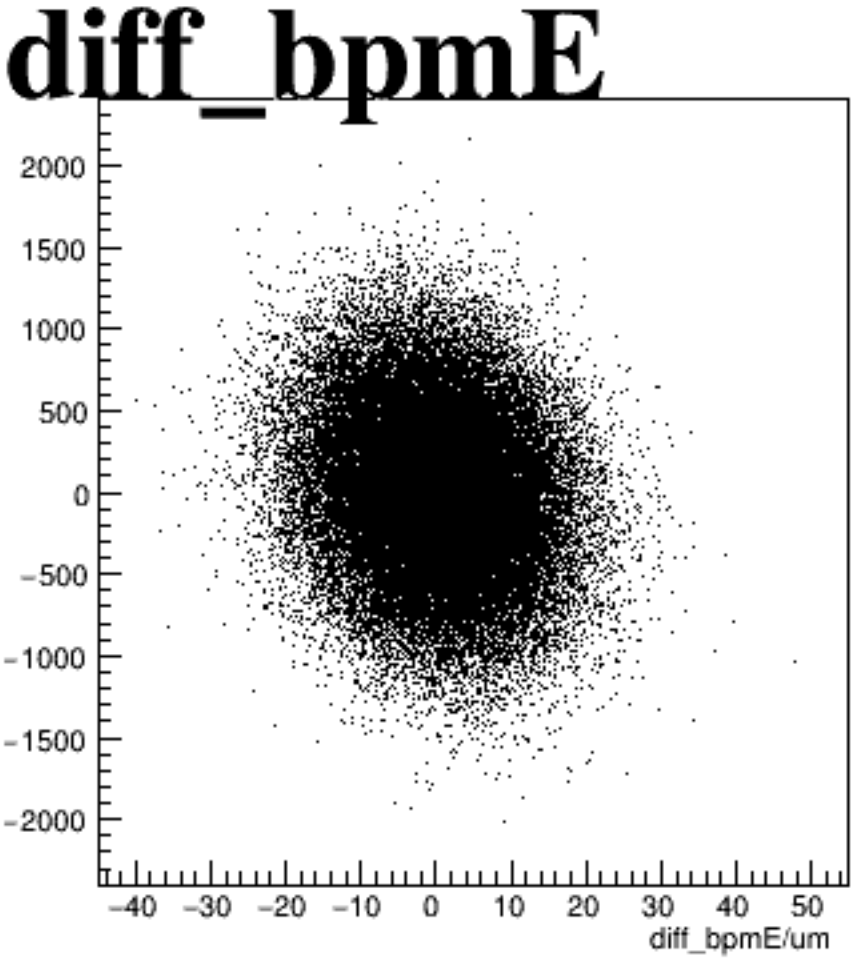
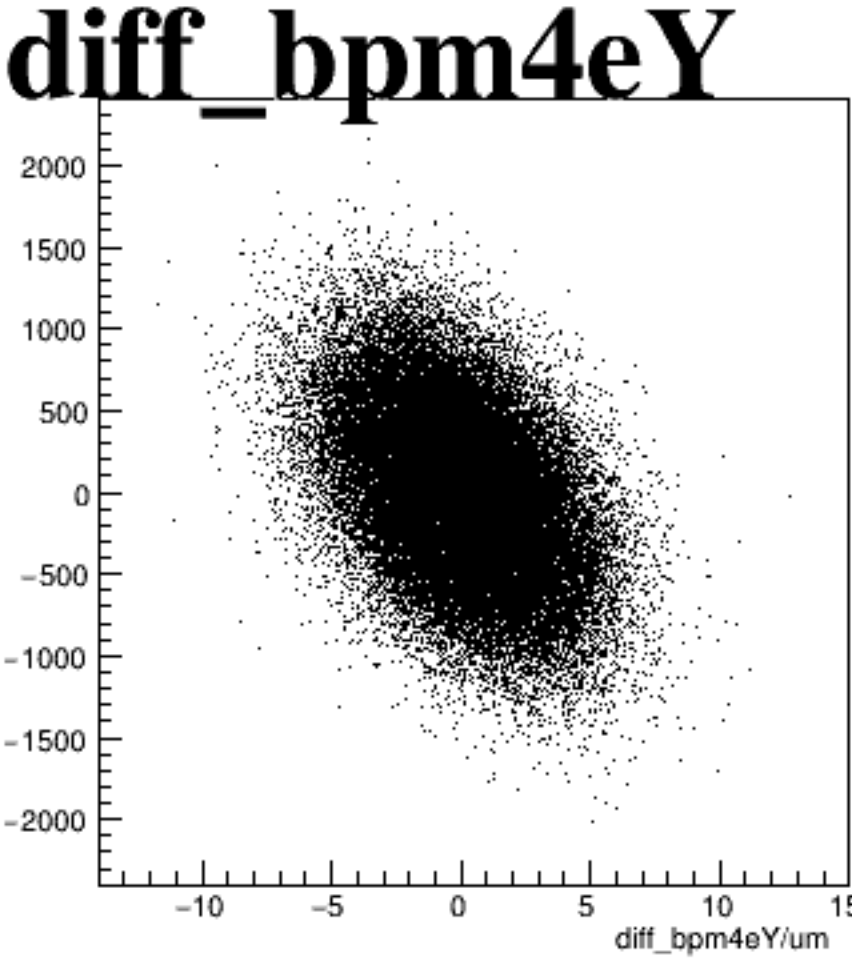
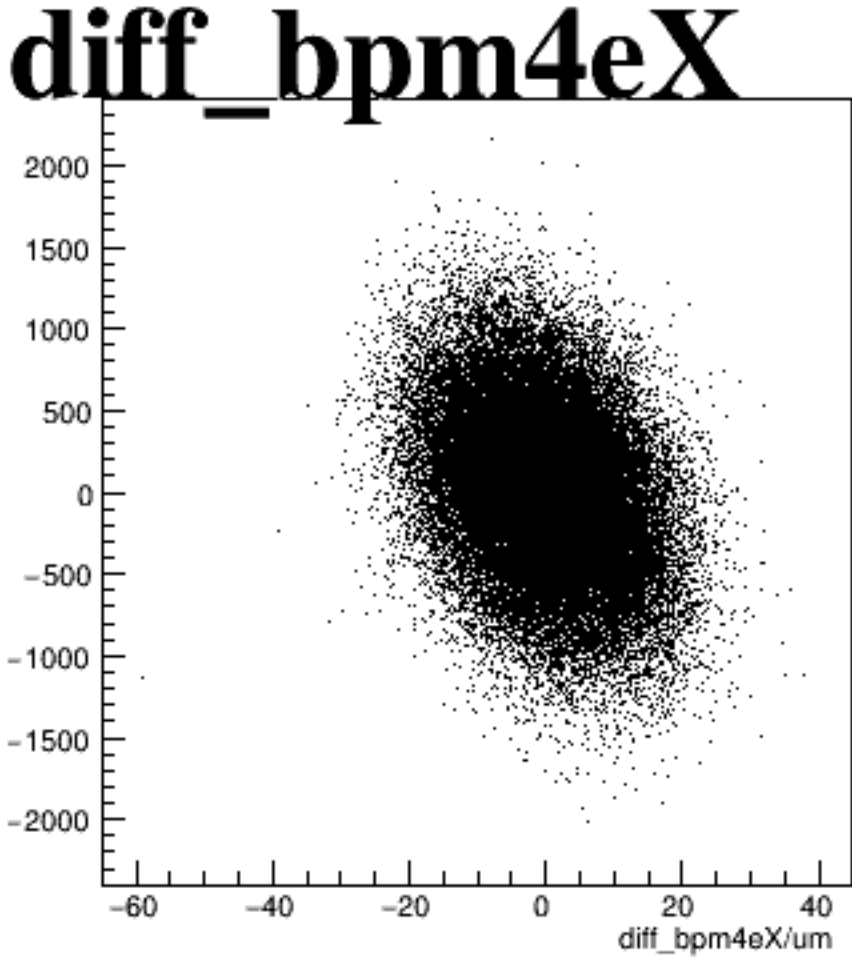
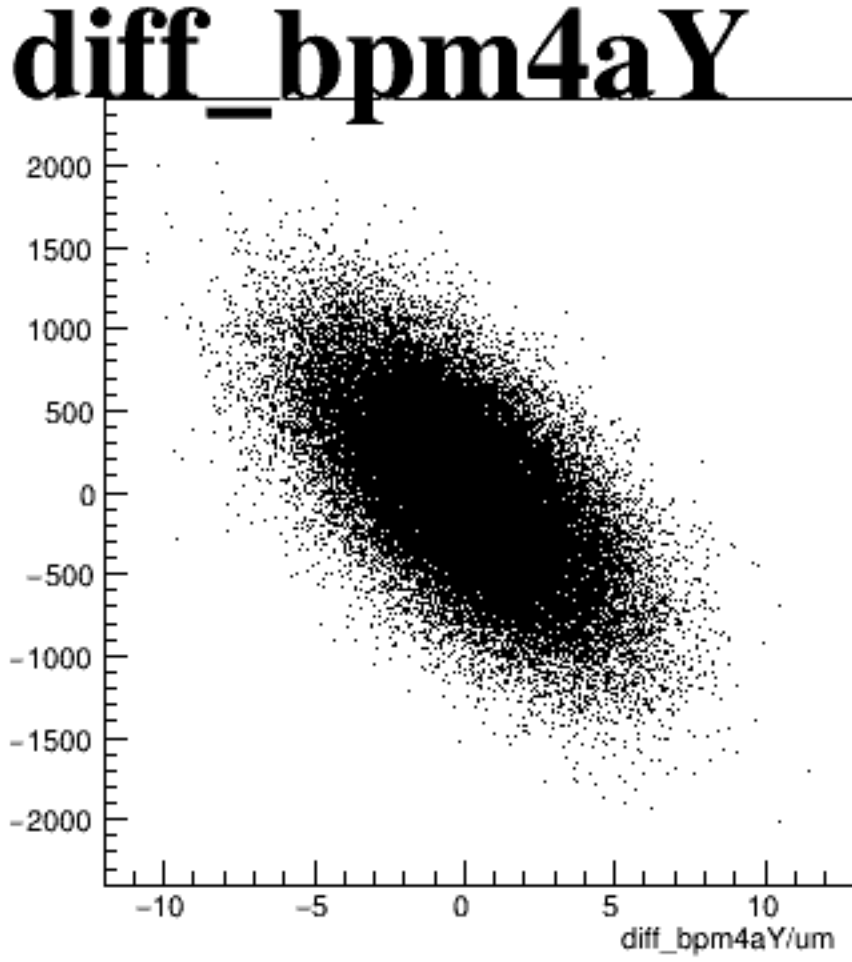
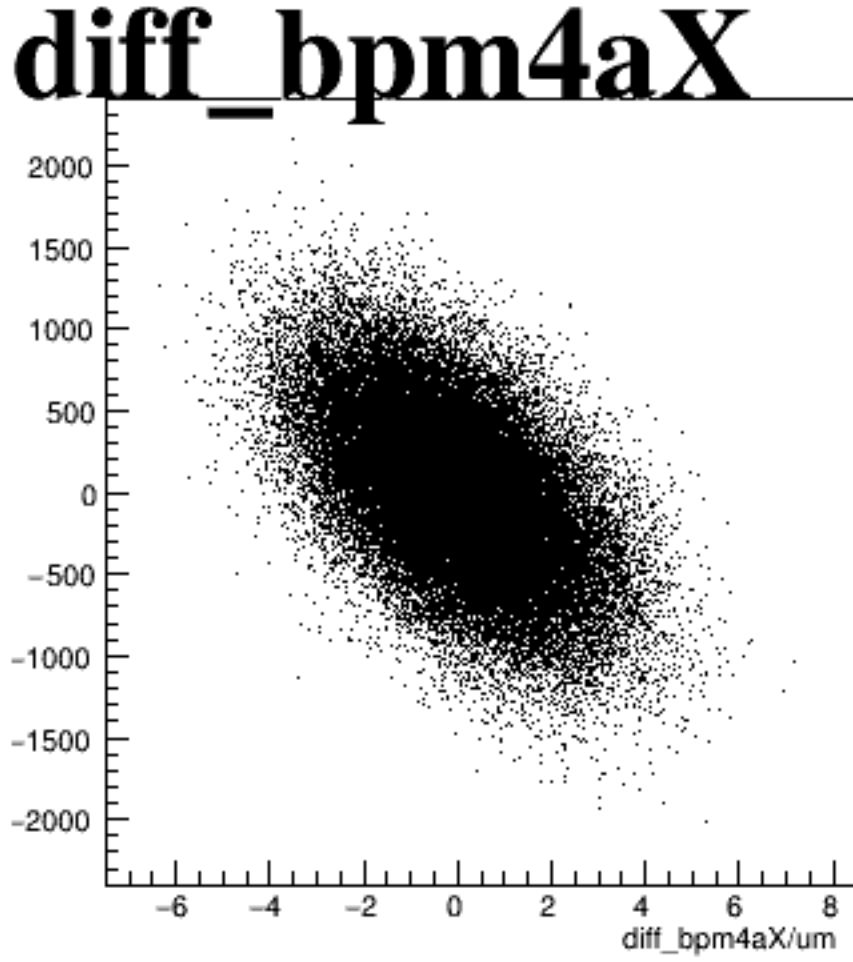
reg_asym_sam5



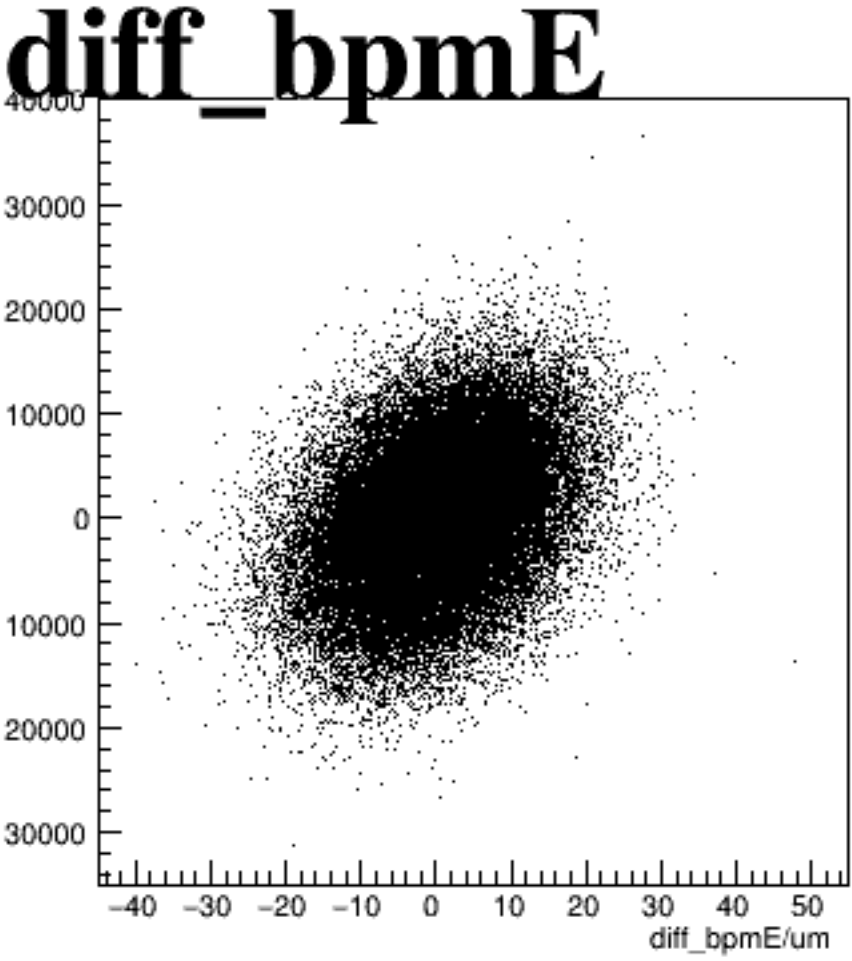
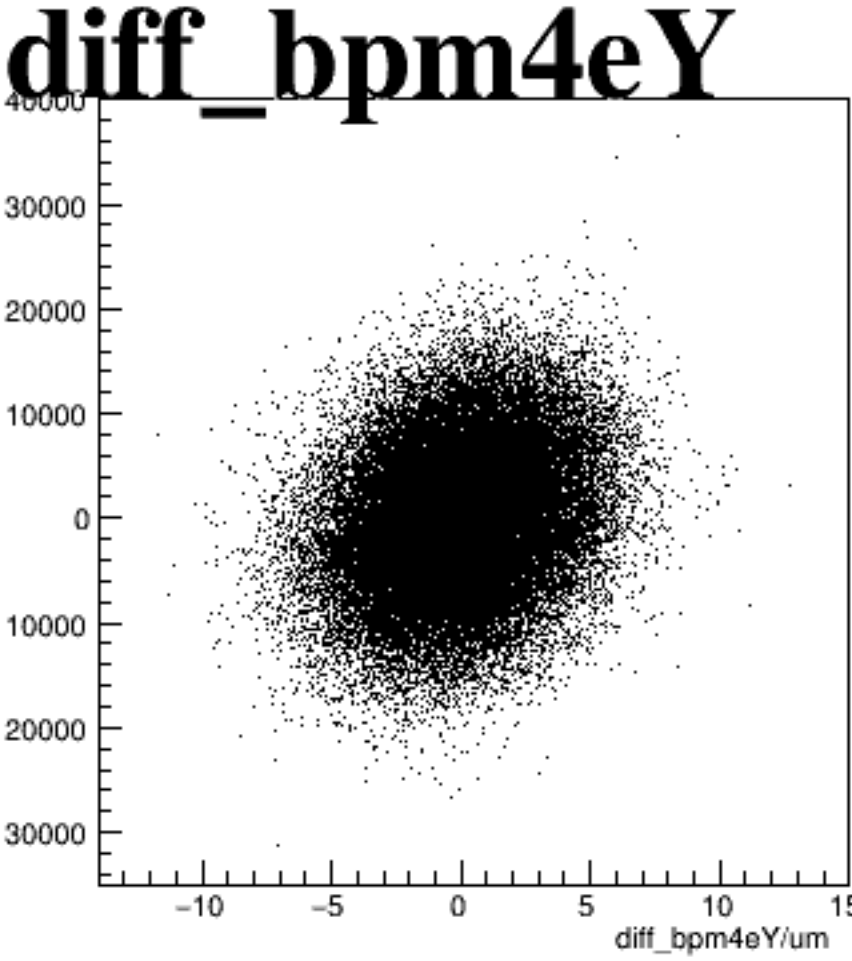
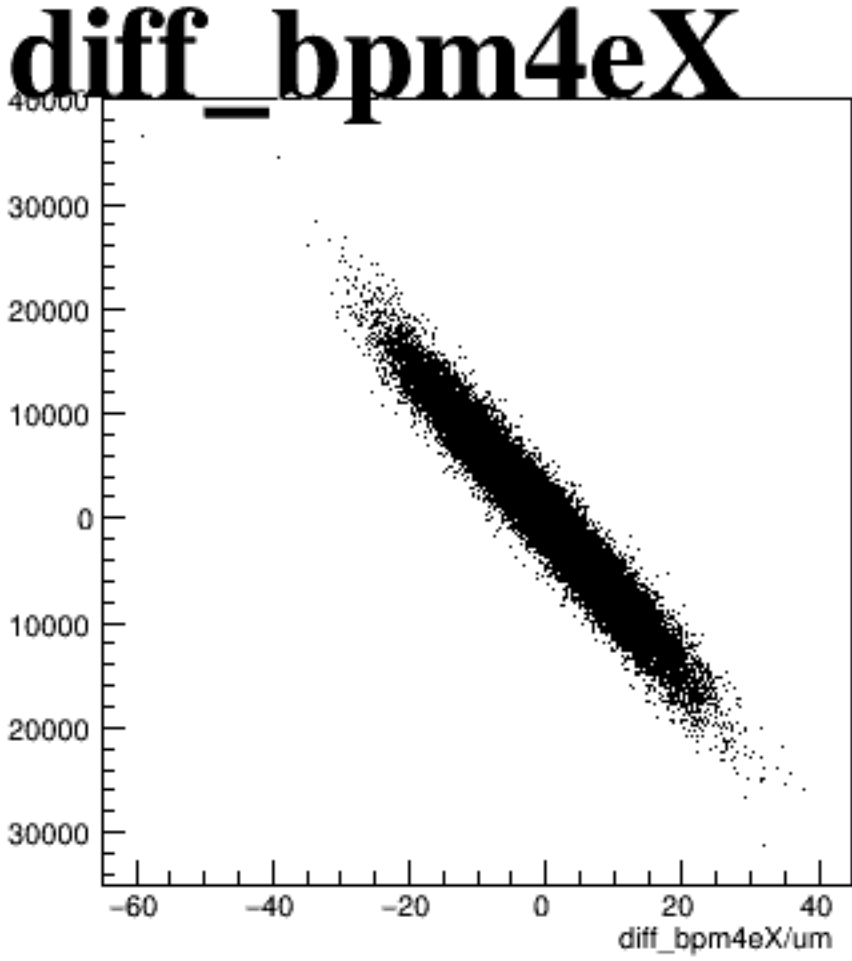
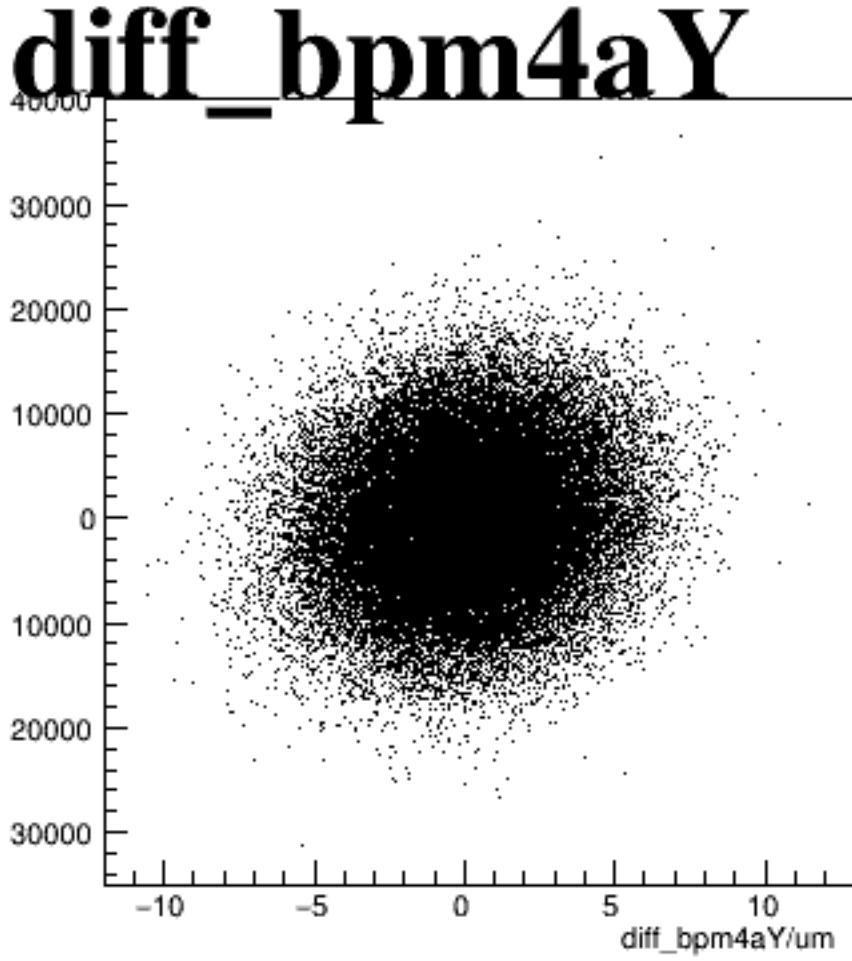
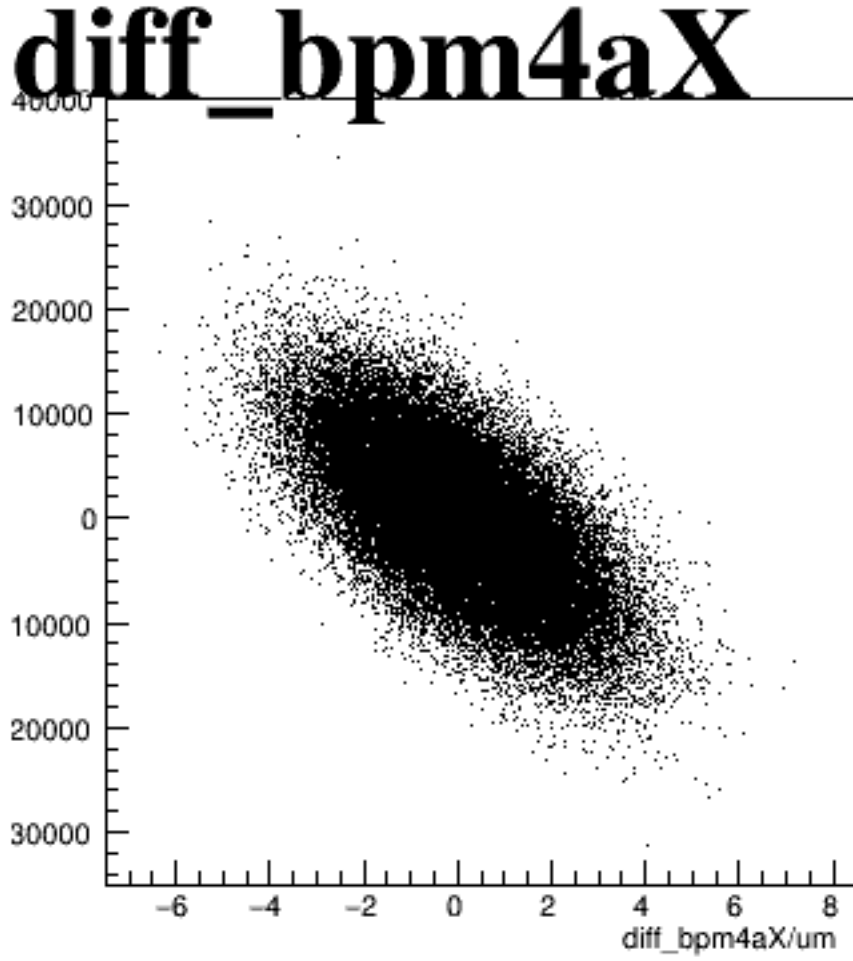
reg_asym_sam7



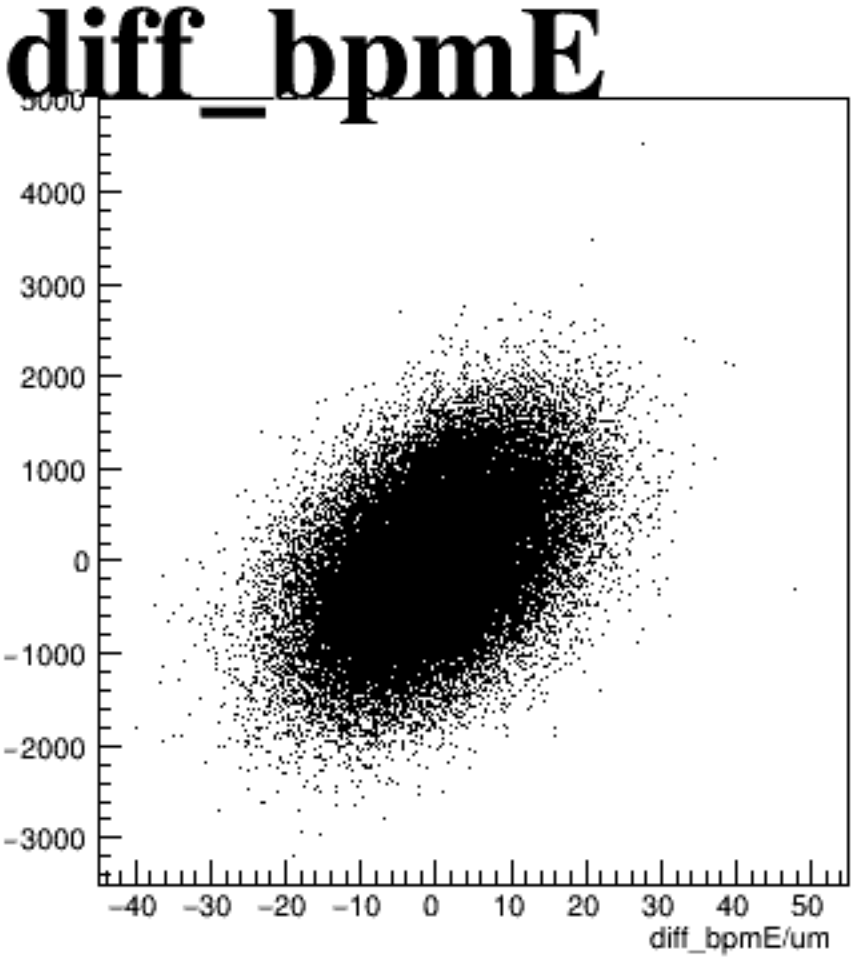
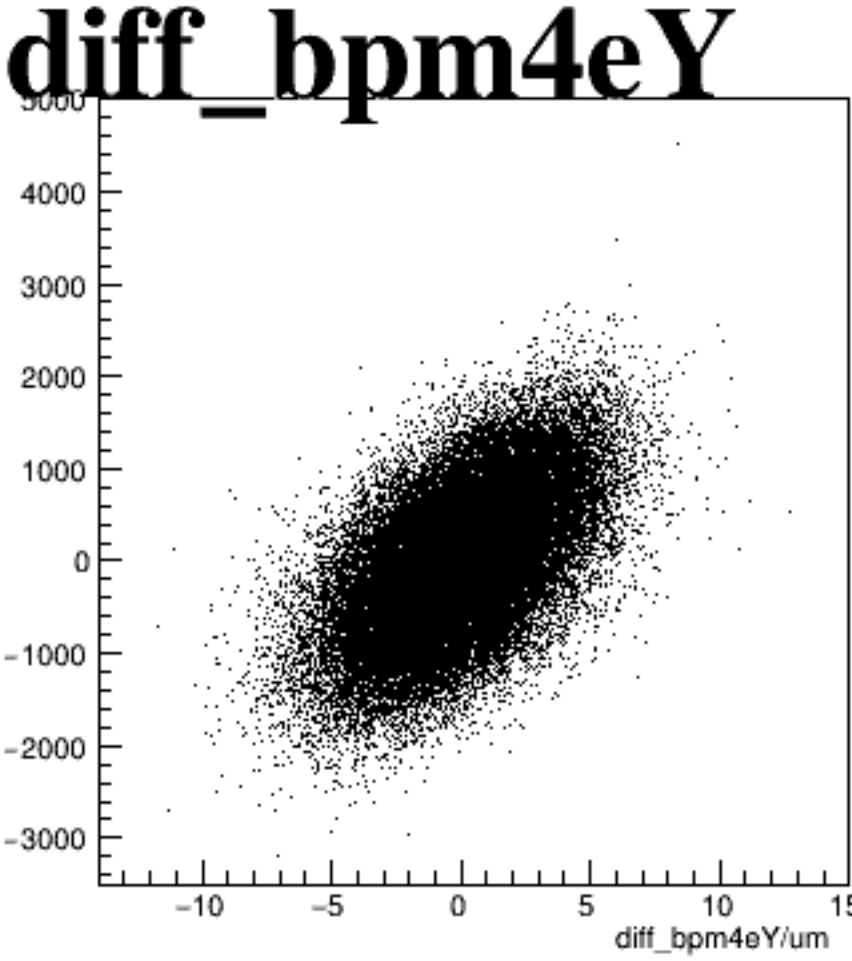
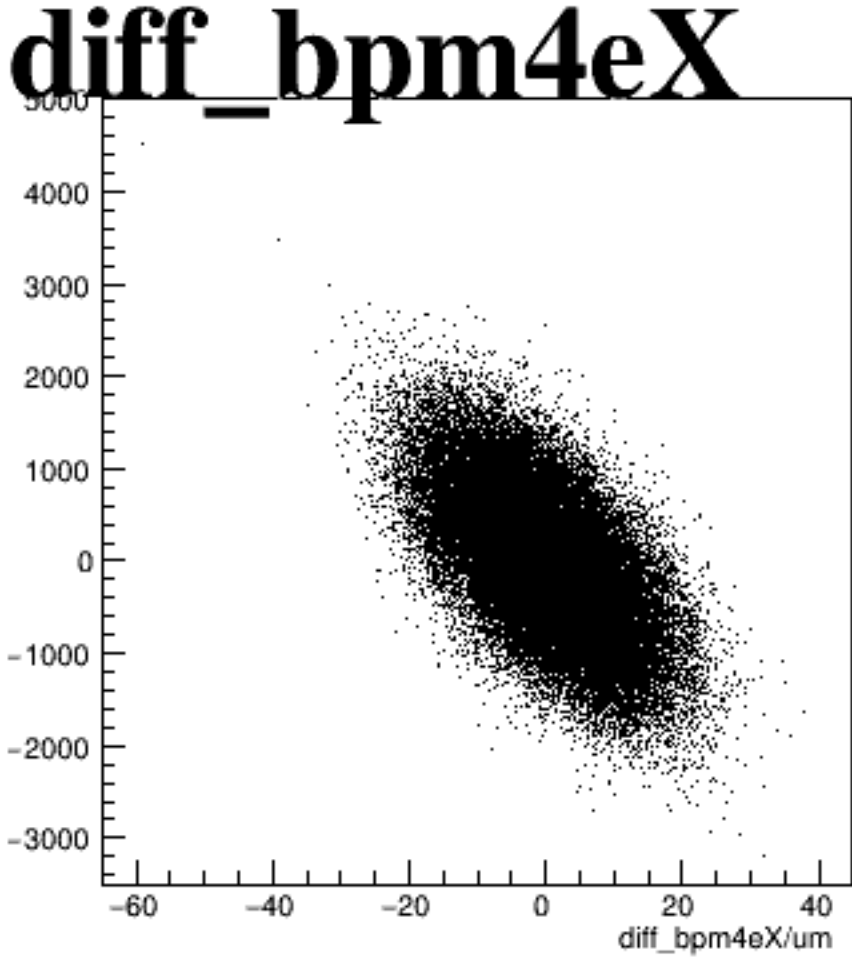
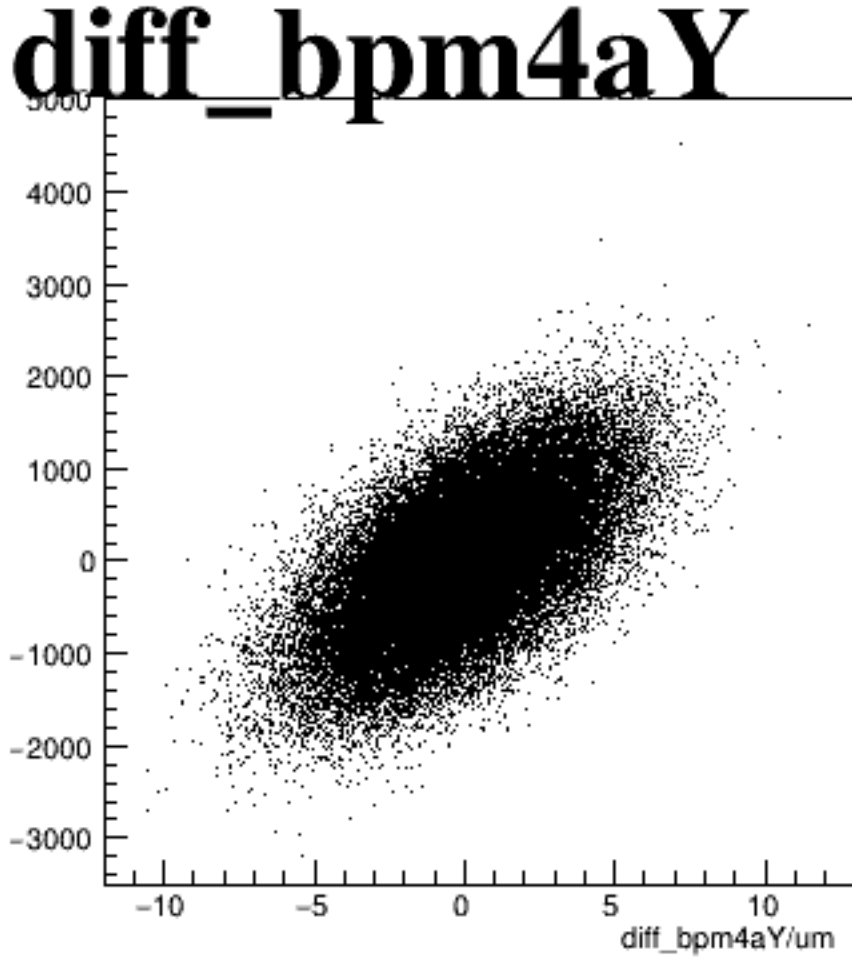
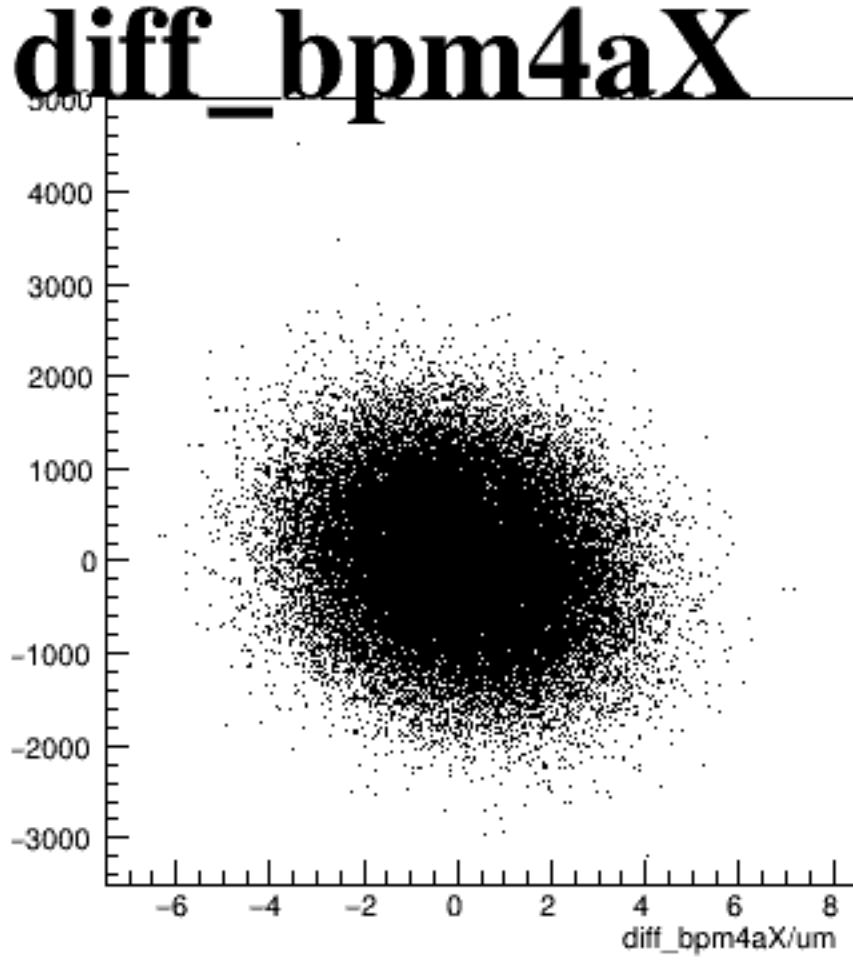
asym_sam1



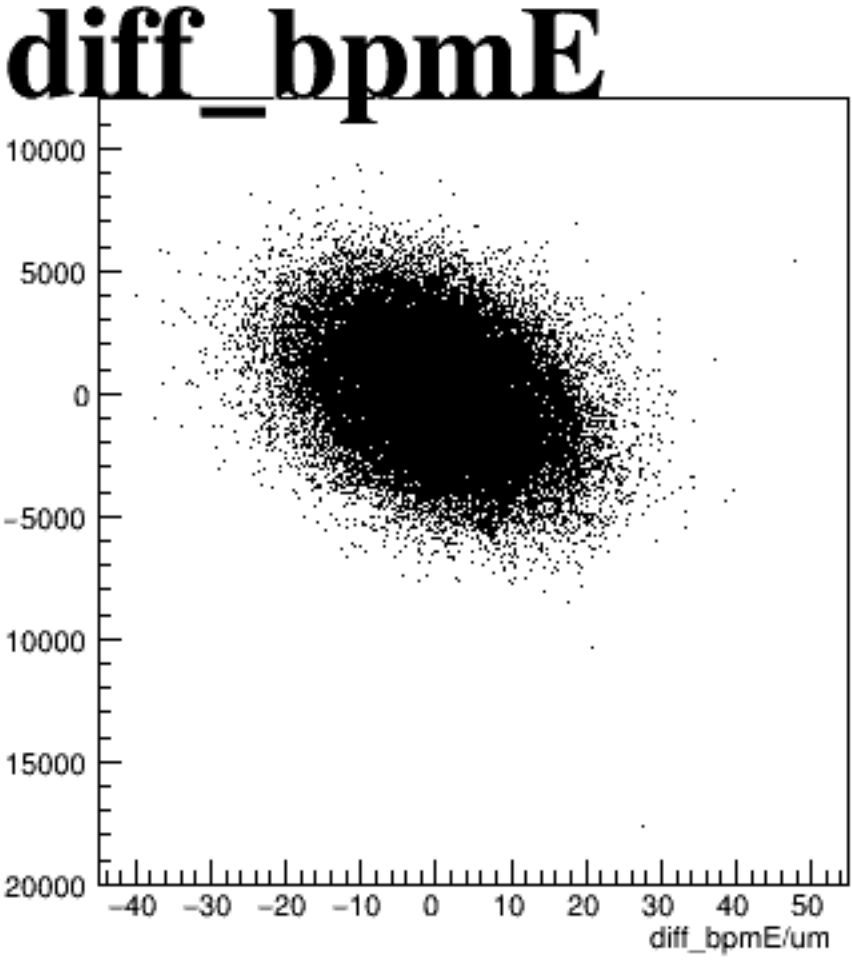
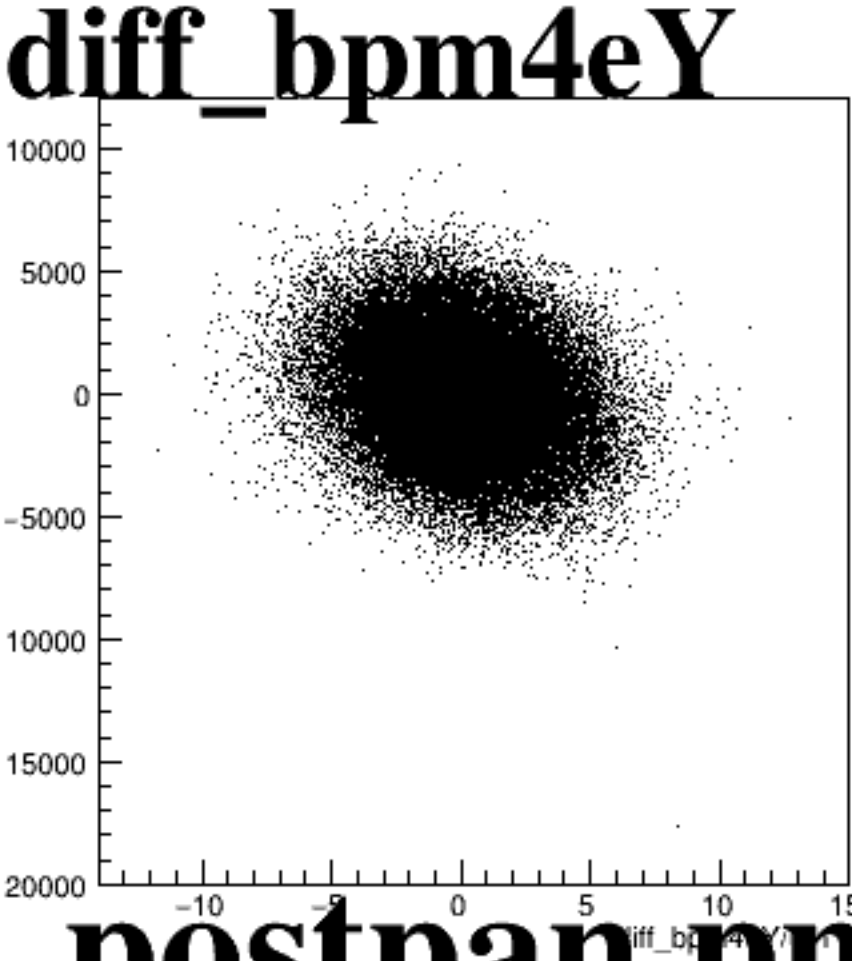
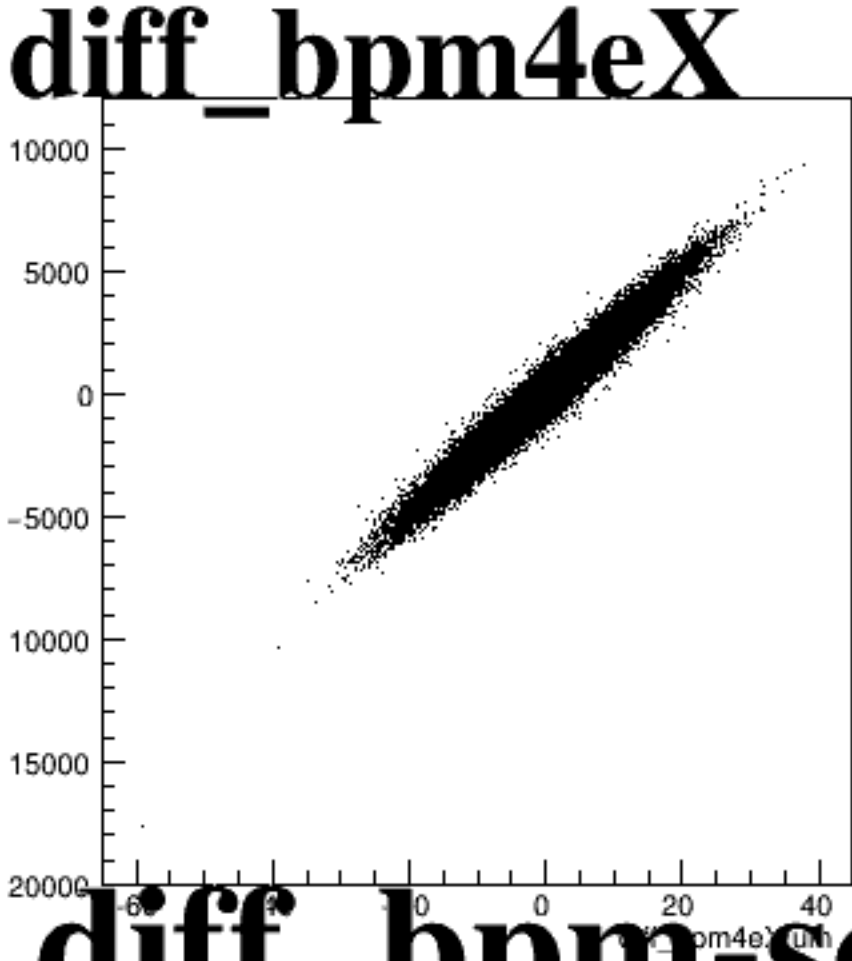
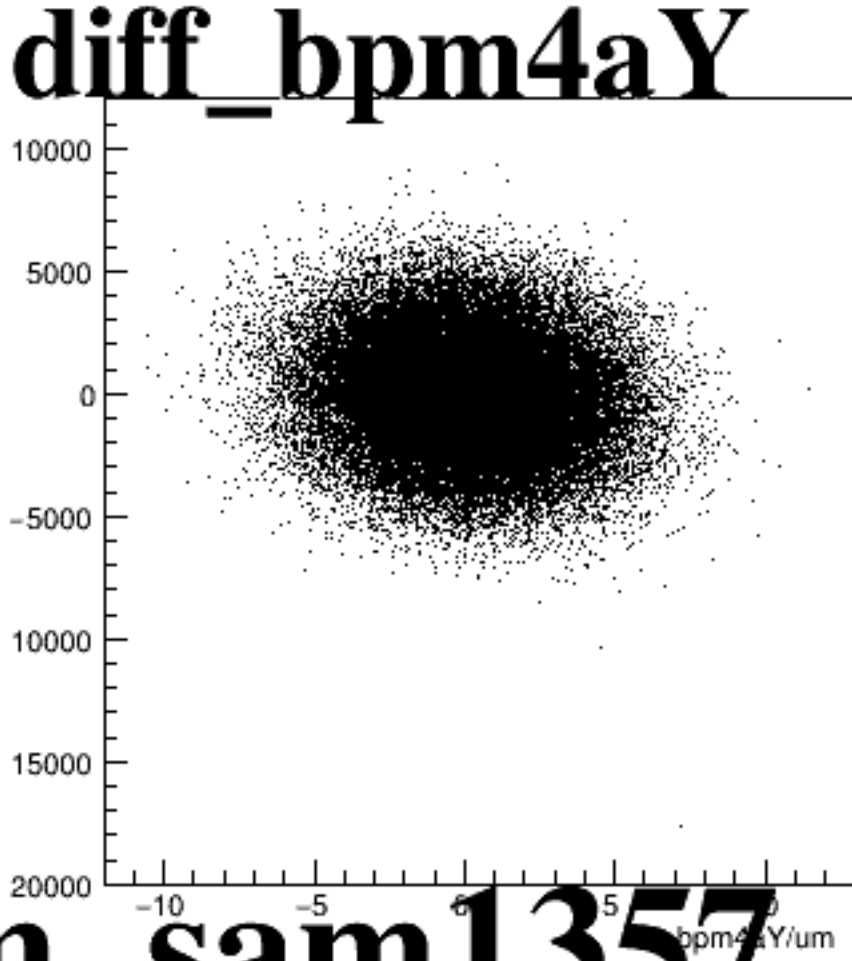
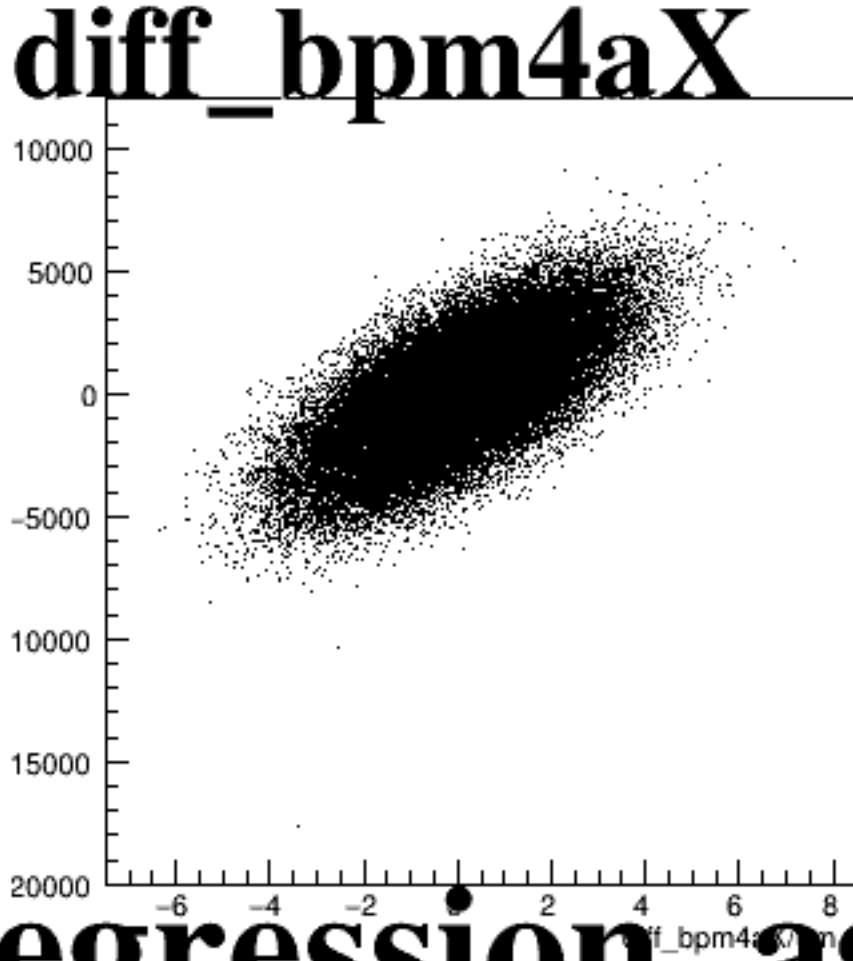
asym_sam3



asym_sam5



asym_sam7



The figure consists of five scatter plots arranged horizontally, each showing the distribution of a different difference variable. The y-axis for all plots ranges from -2000 to 1500. The x-axis labels and ranges are as follows:

- diff_bpm4aX**: x-axis ranges from -6 to 8.
- diff_bpm4aY**: x-axis ranges from -10 to 10.
- diff_bpm4eX**: x-axis ranges from -60 to 40.
- diff_bpm4eY**: x-axis ranges from -10 to 15.
- diff_bpmE**: x-axis ranges from -40 to 50.

All plots show a dense, roughly circular cloud of points centered at (0,0), indicating that the difference variables are normally distributed around zero.