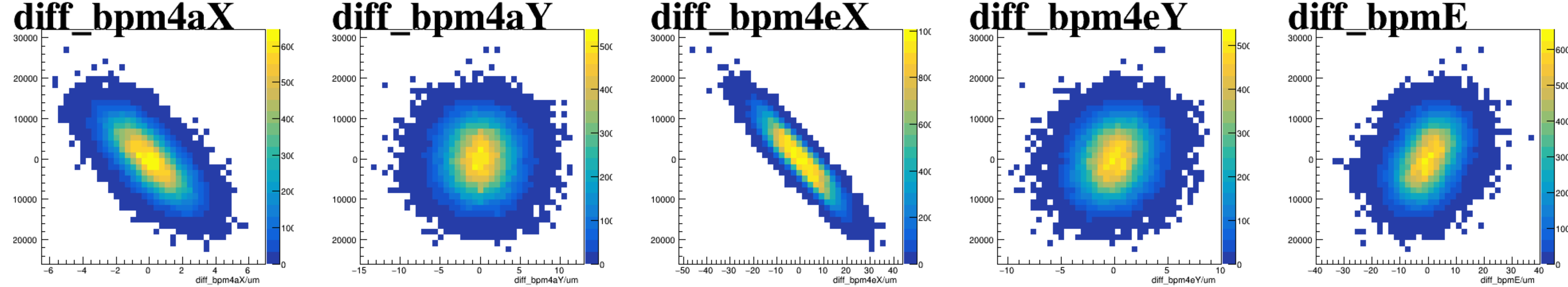
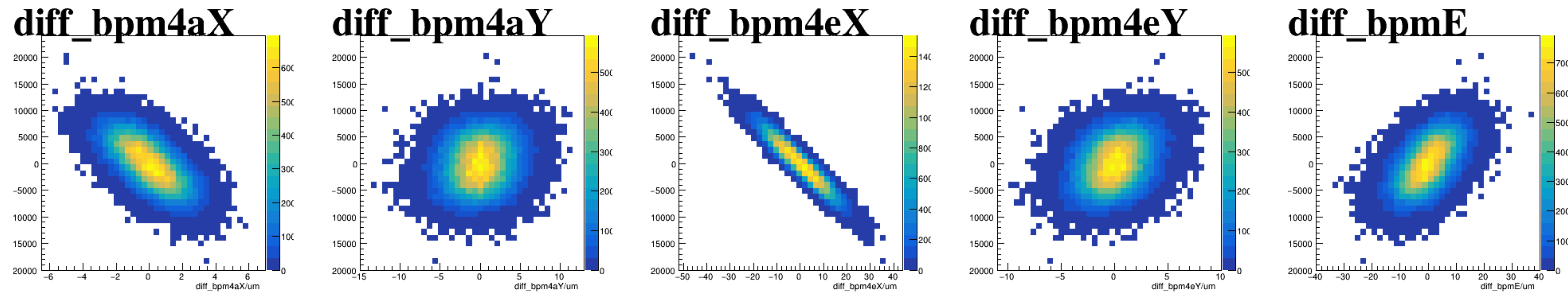


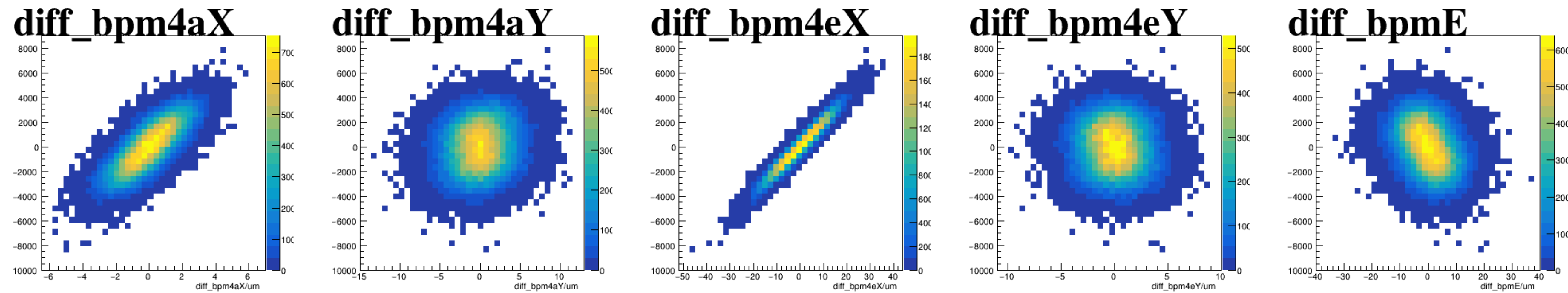
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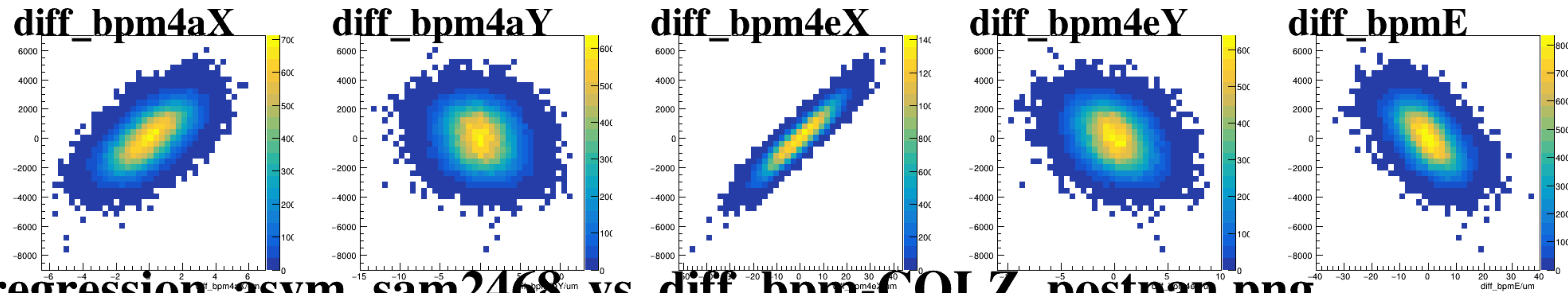
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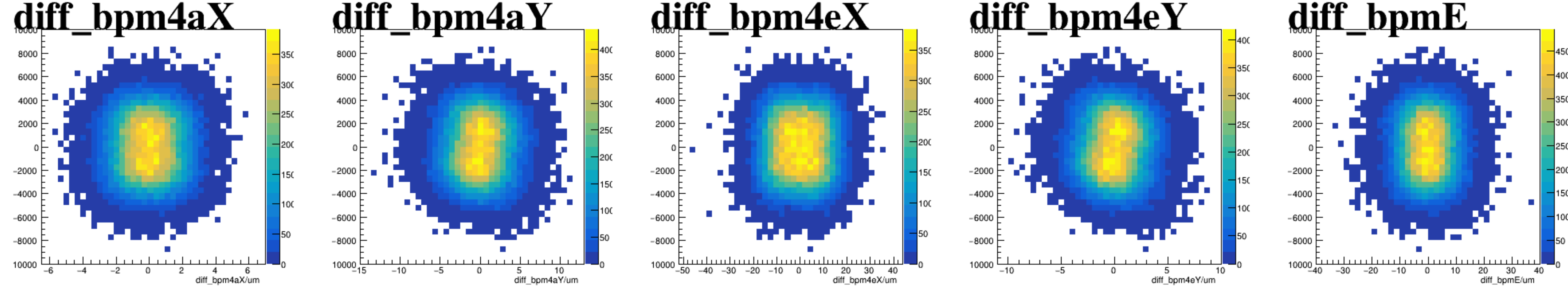
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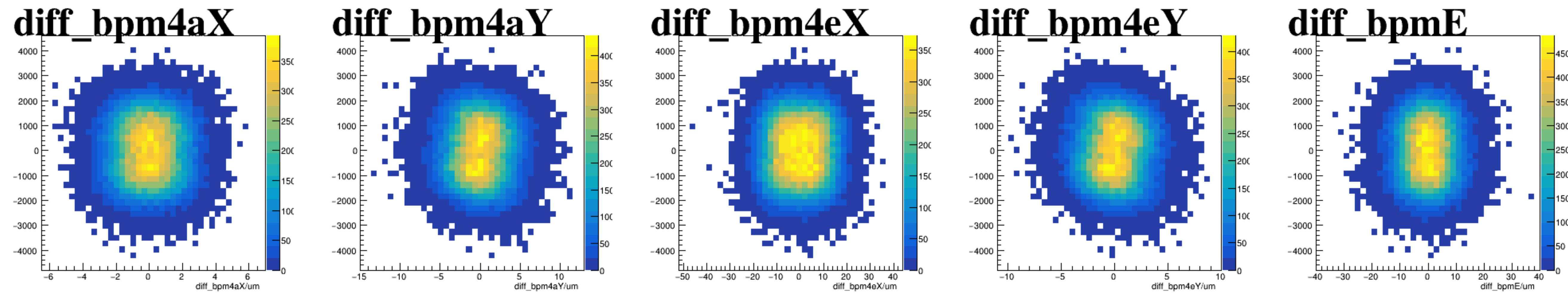
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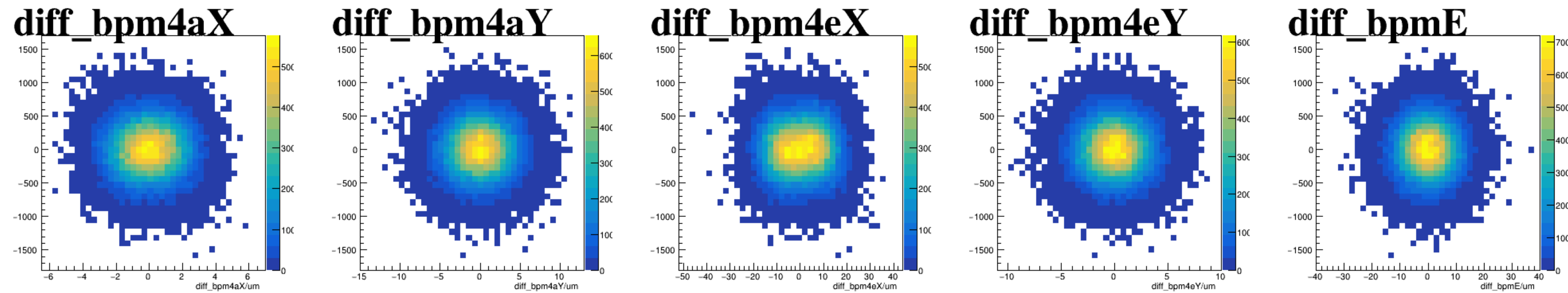
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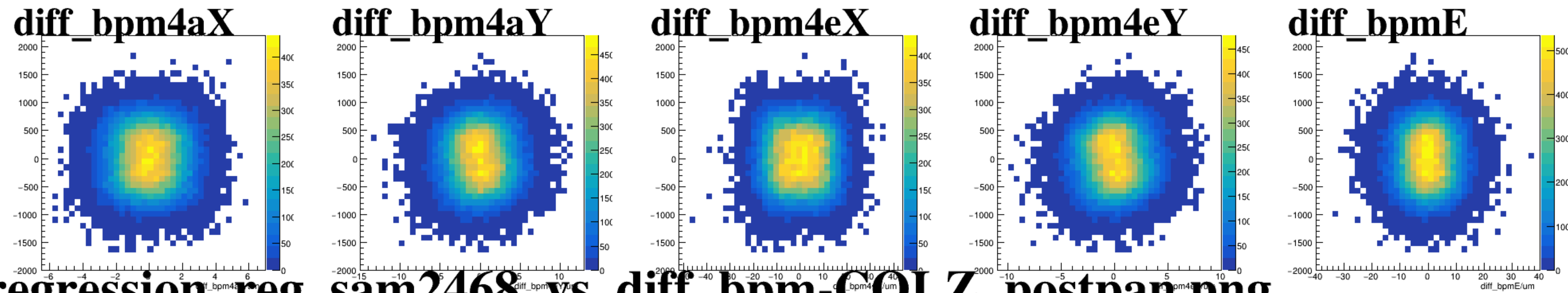
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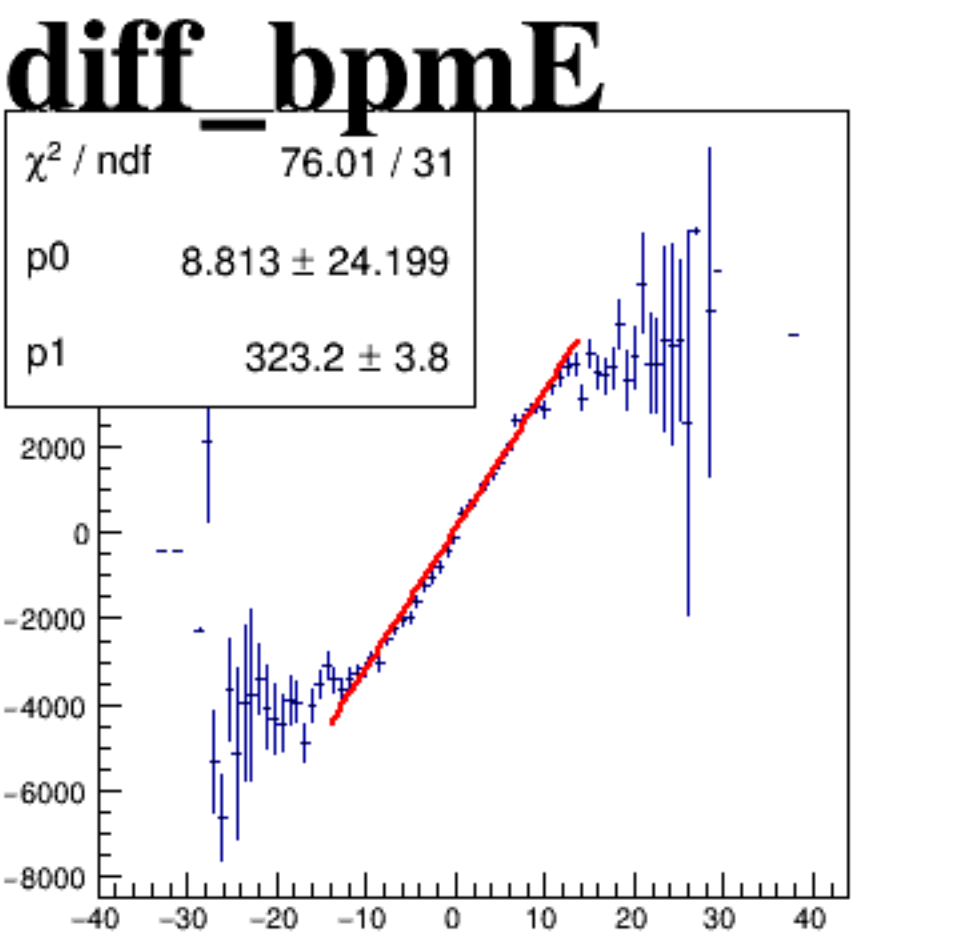
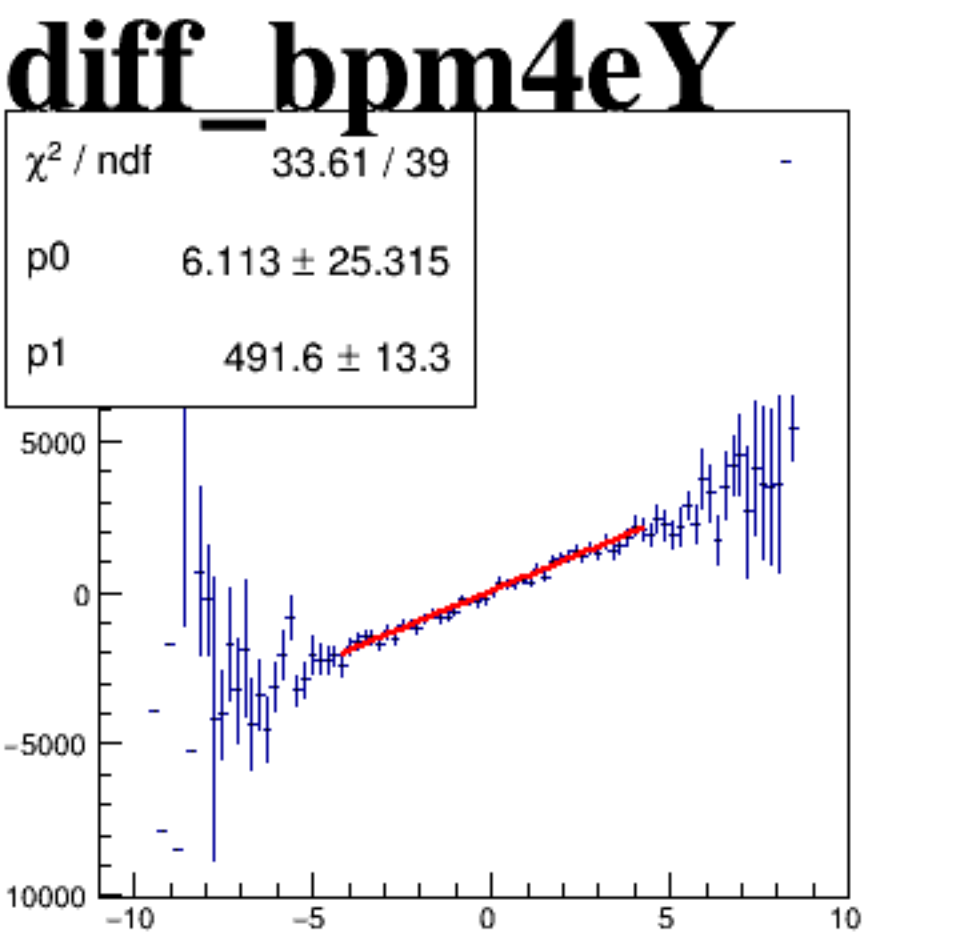
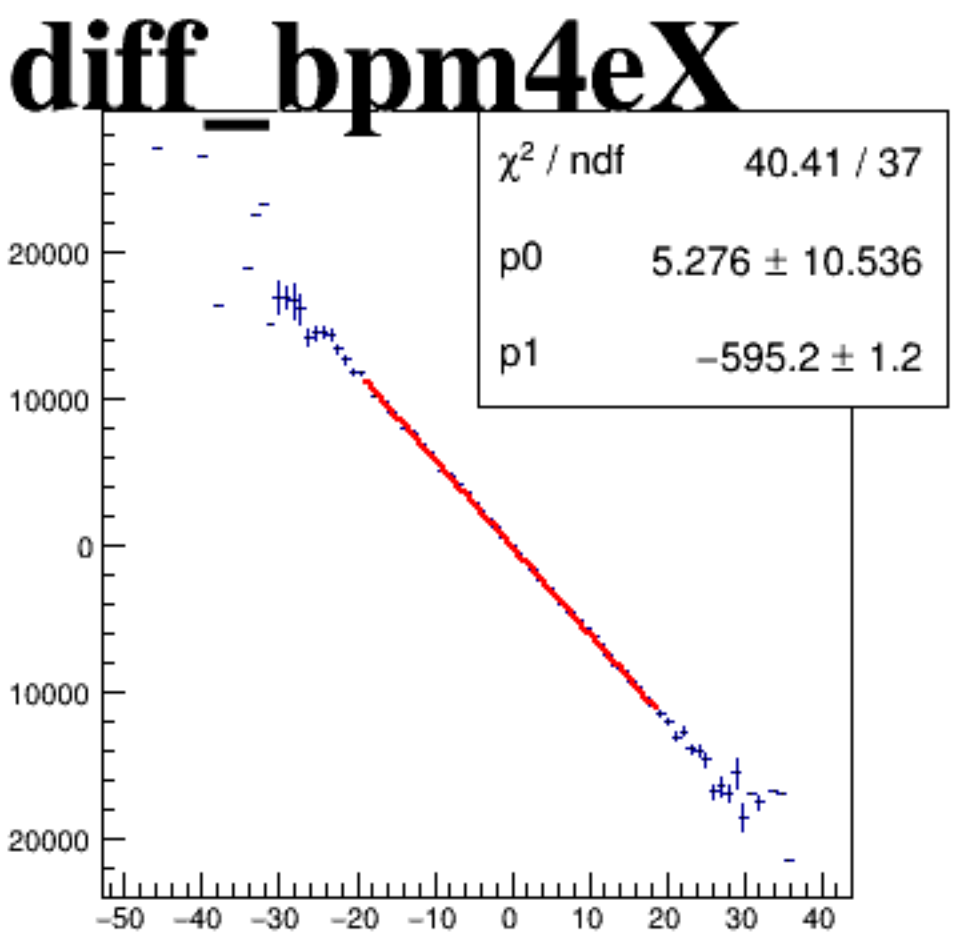
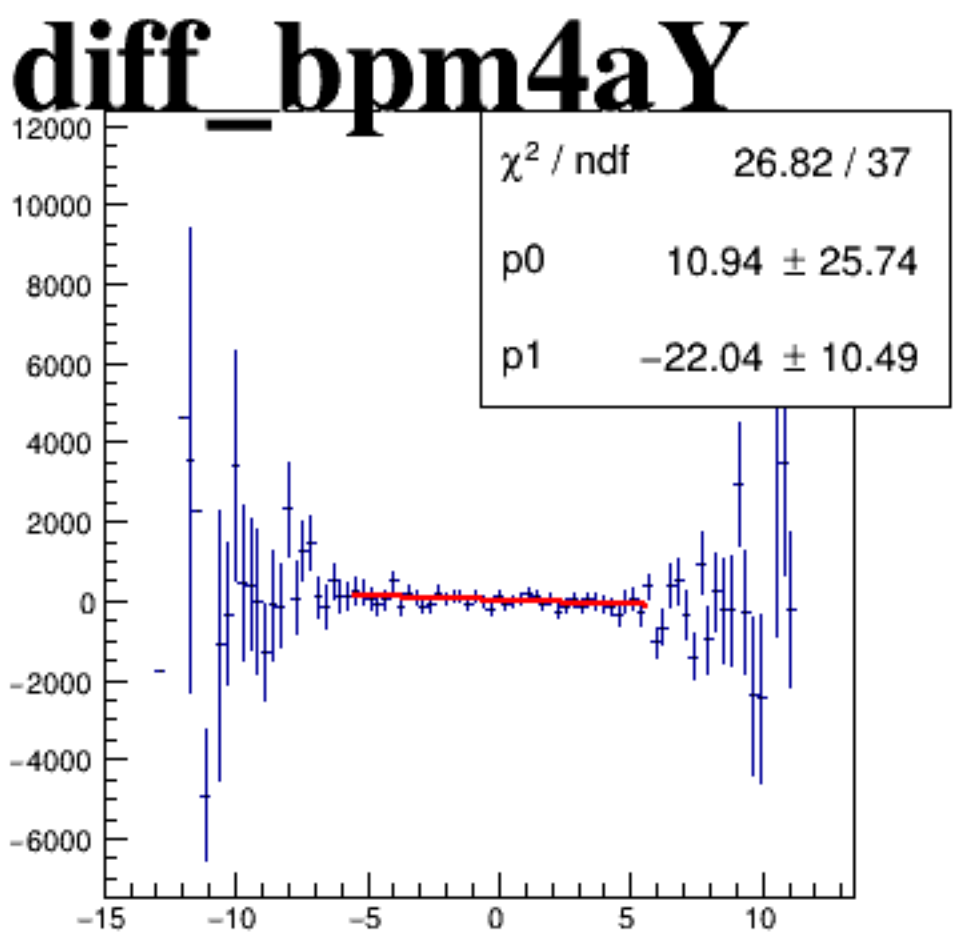
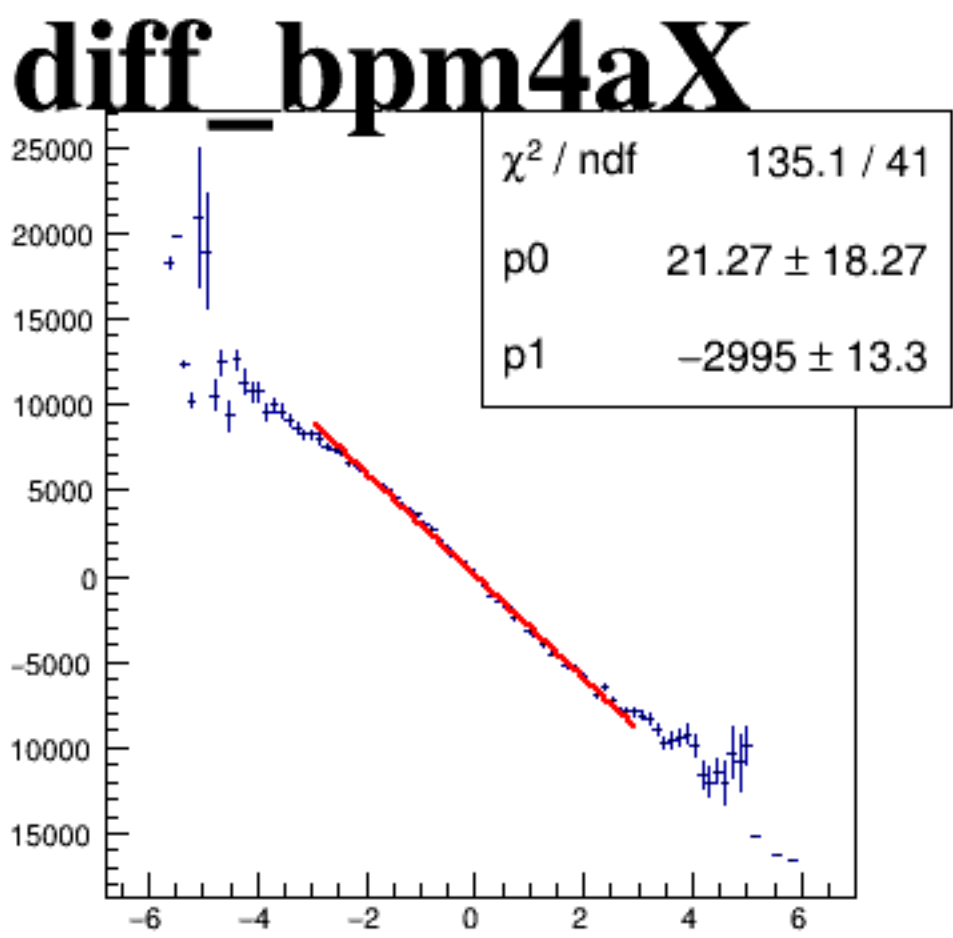
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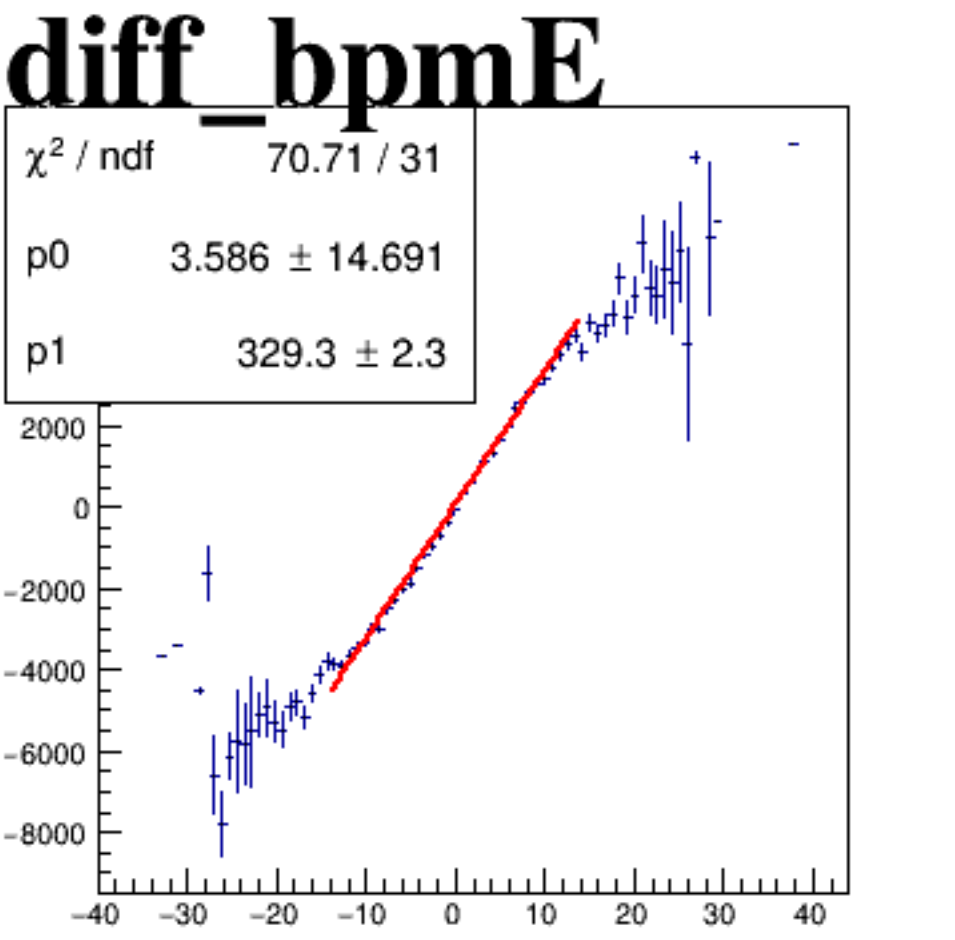
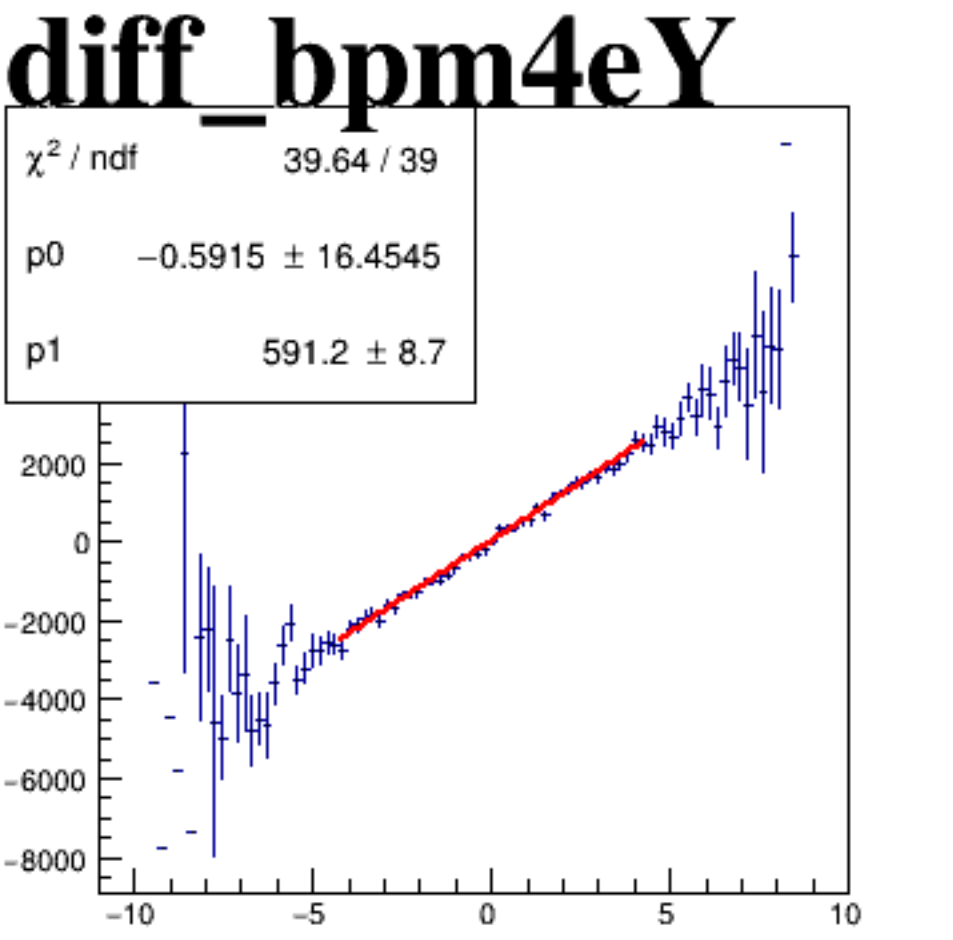
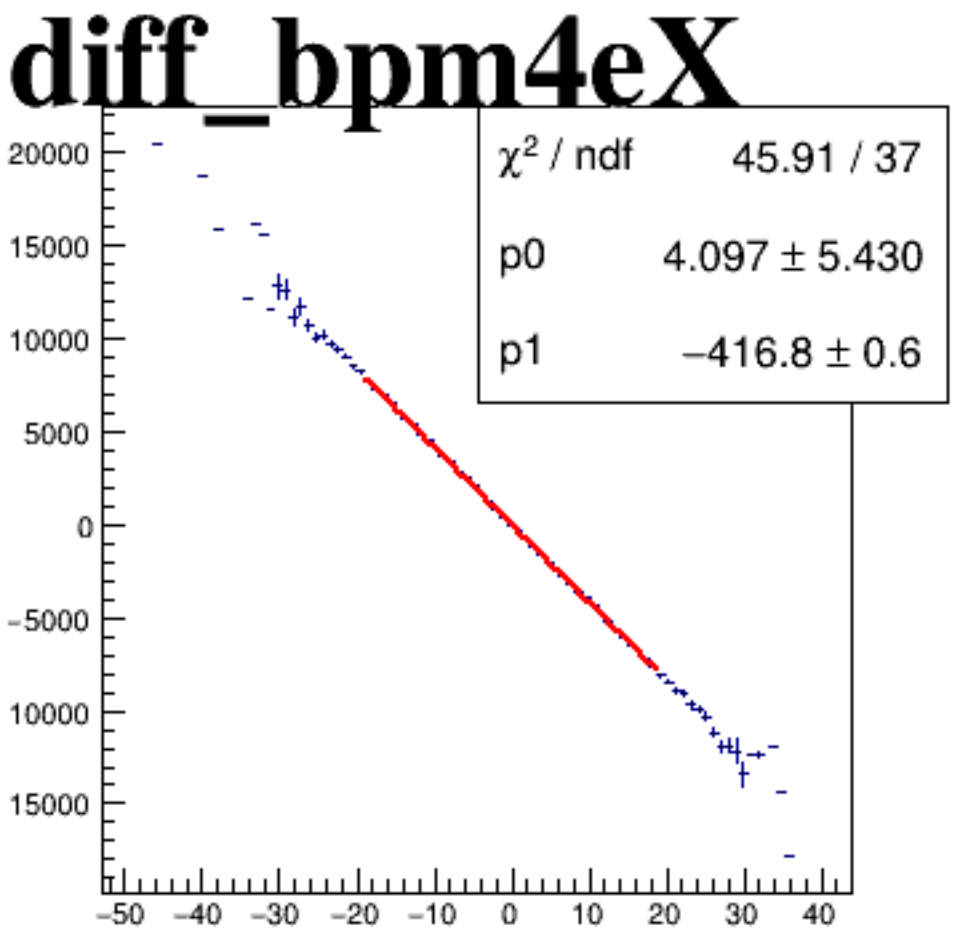
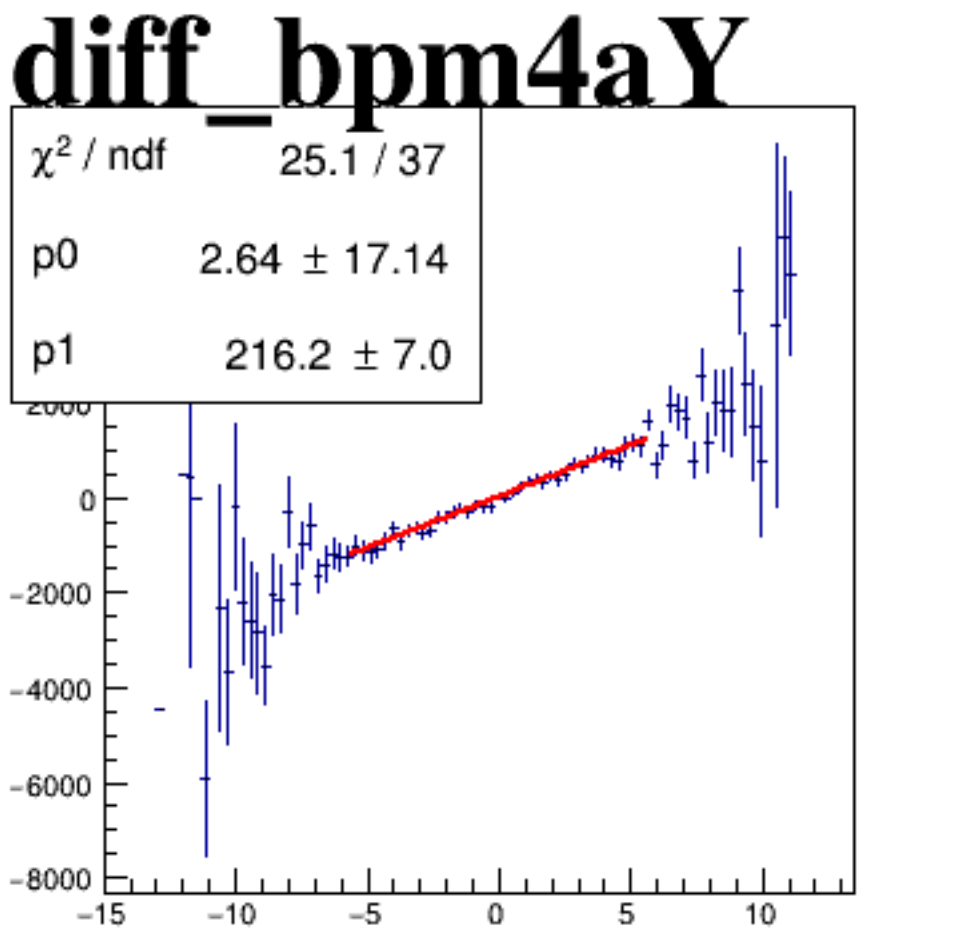
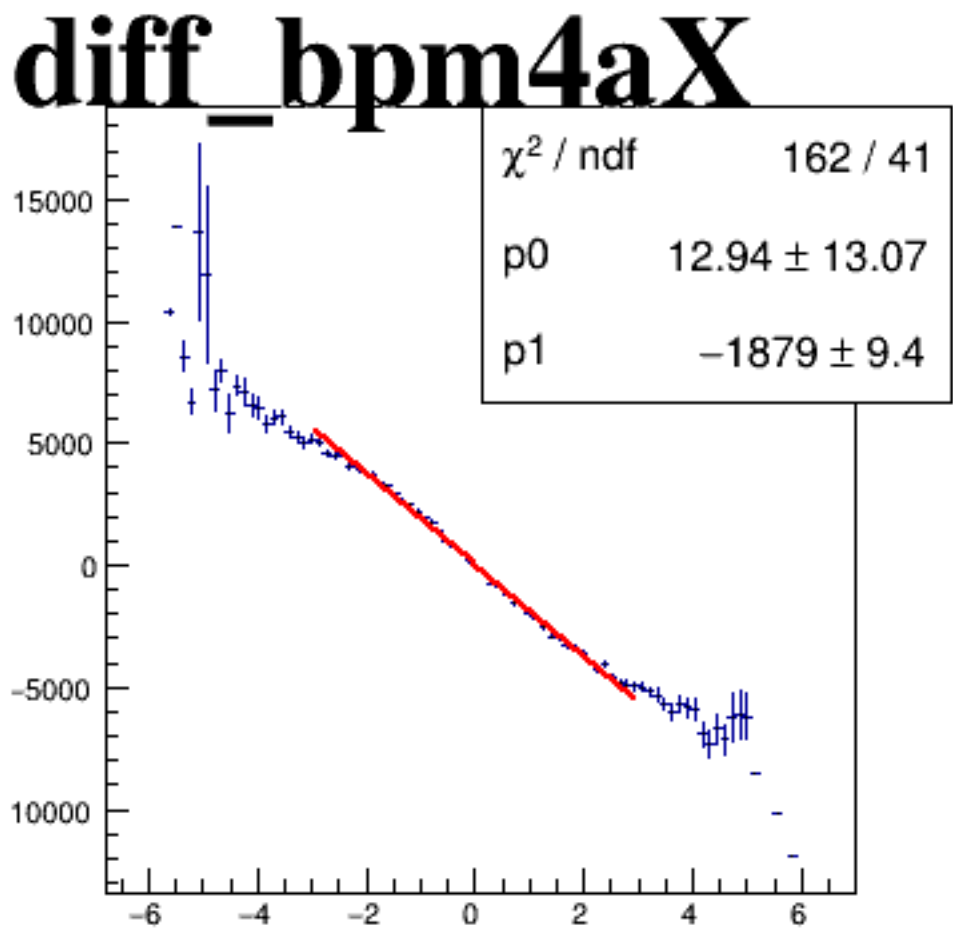
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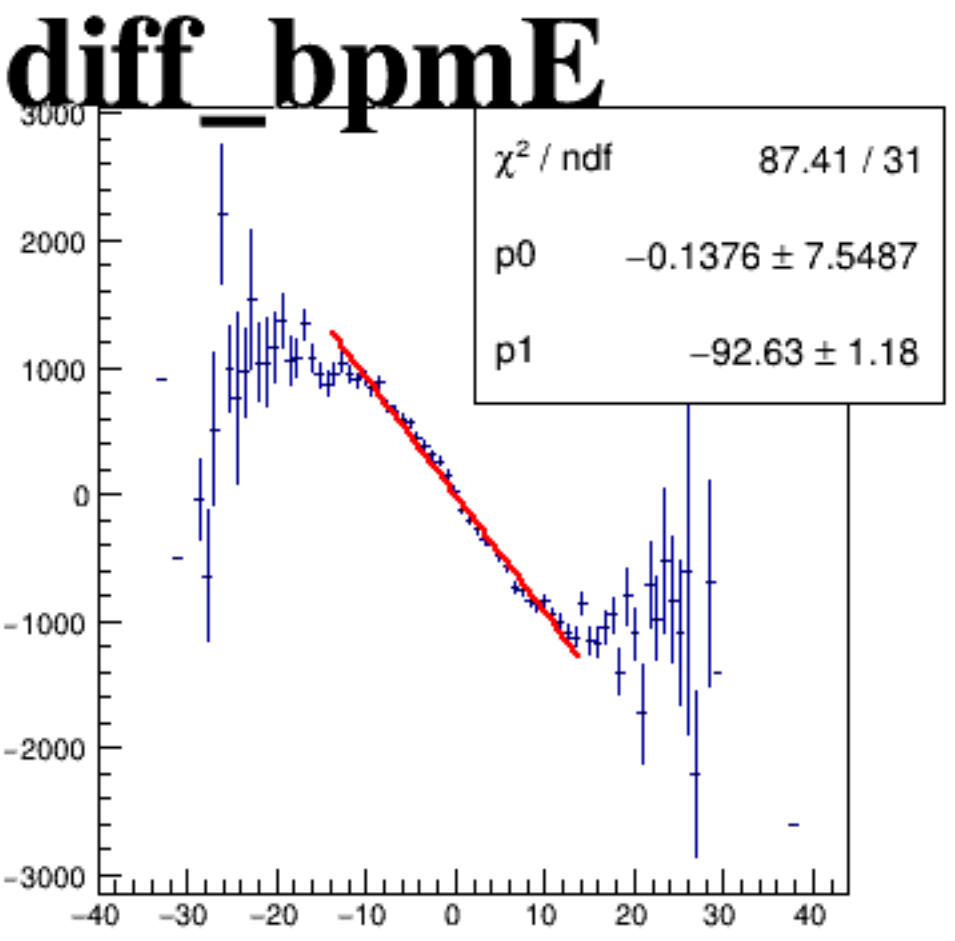
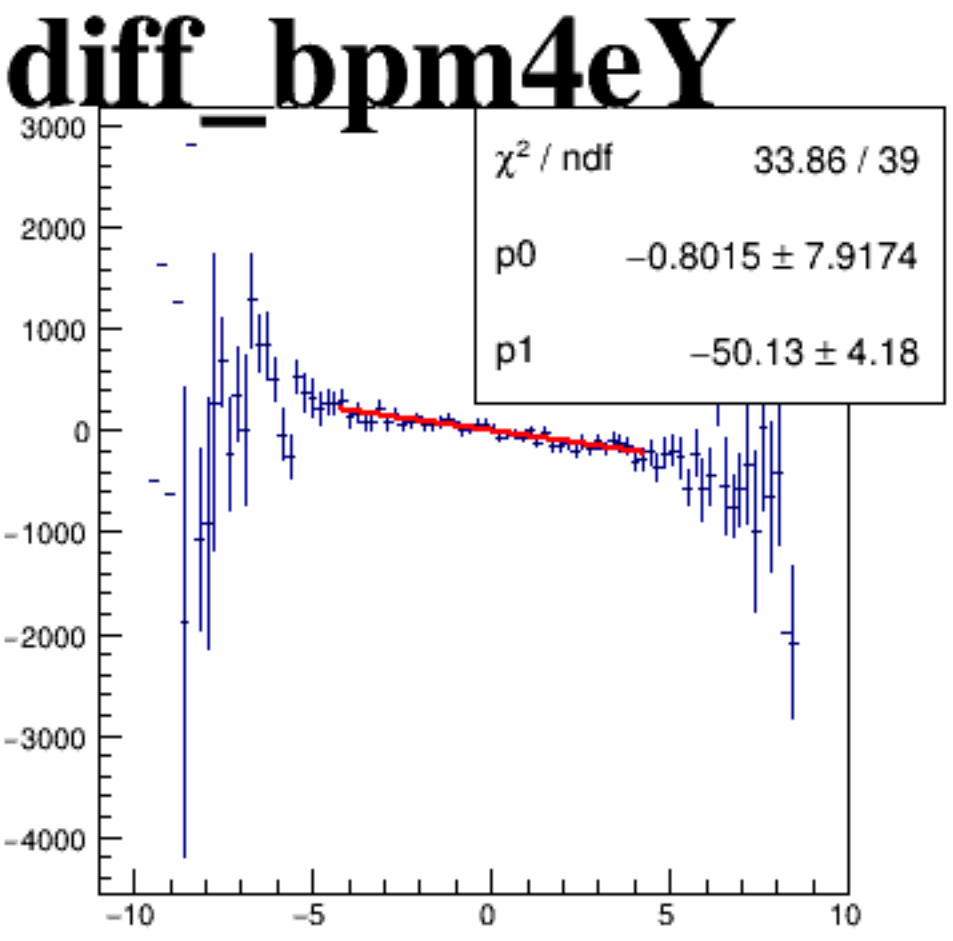
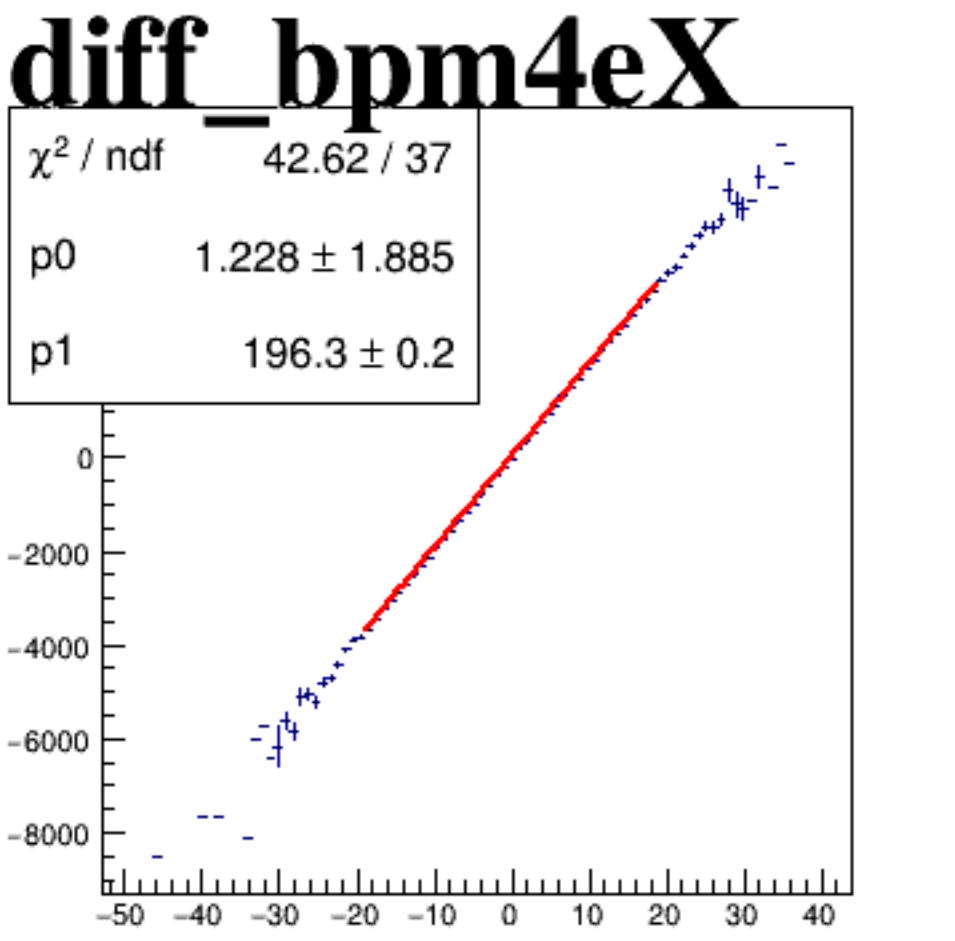
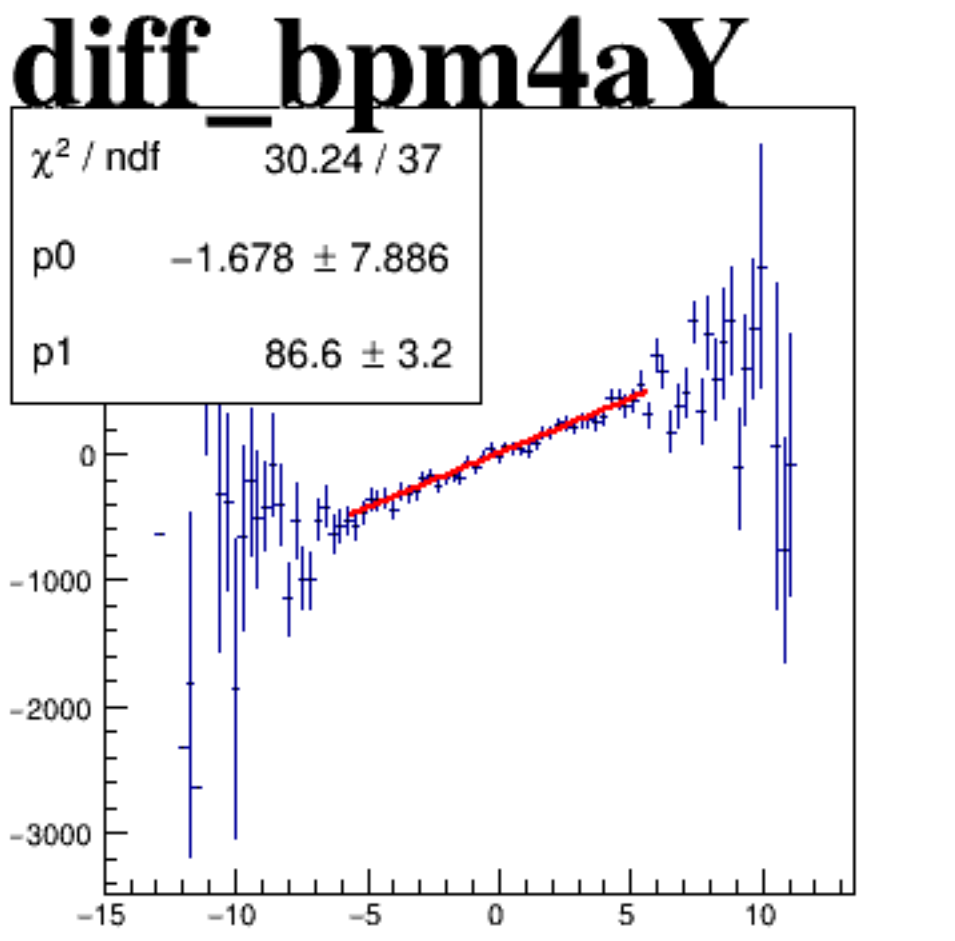
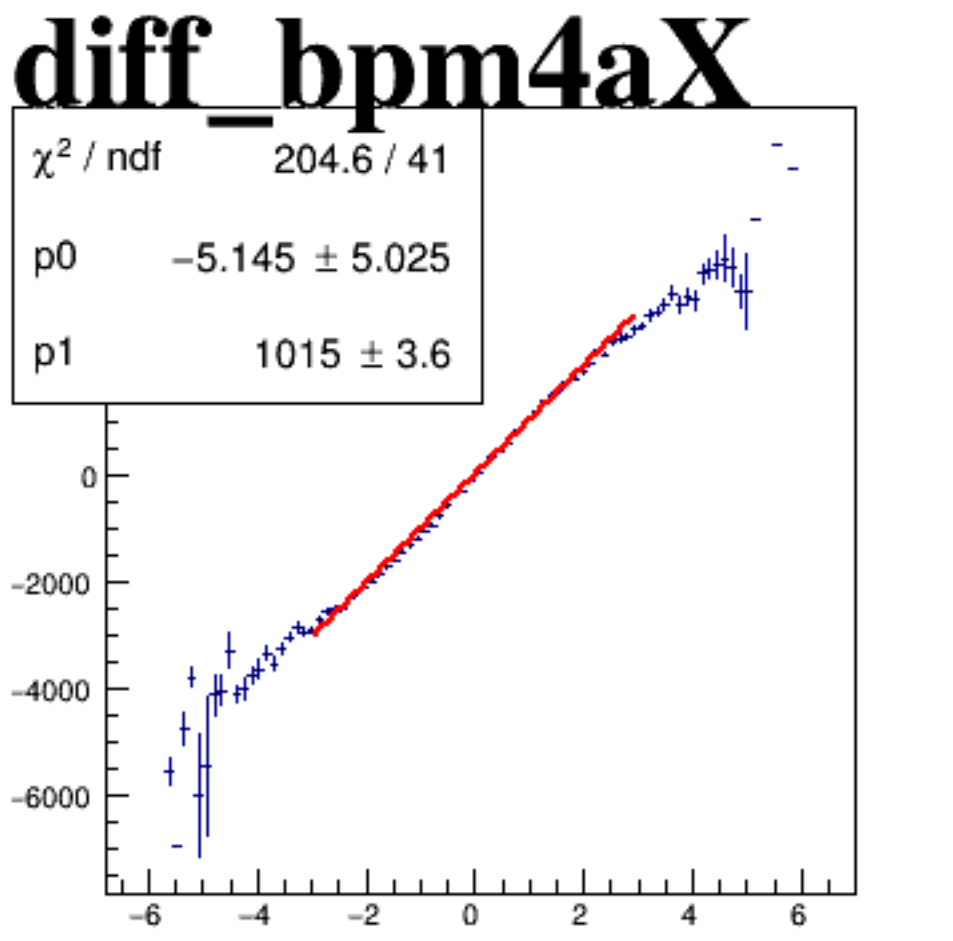
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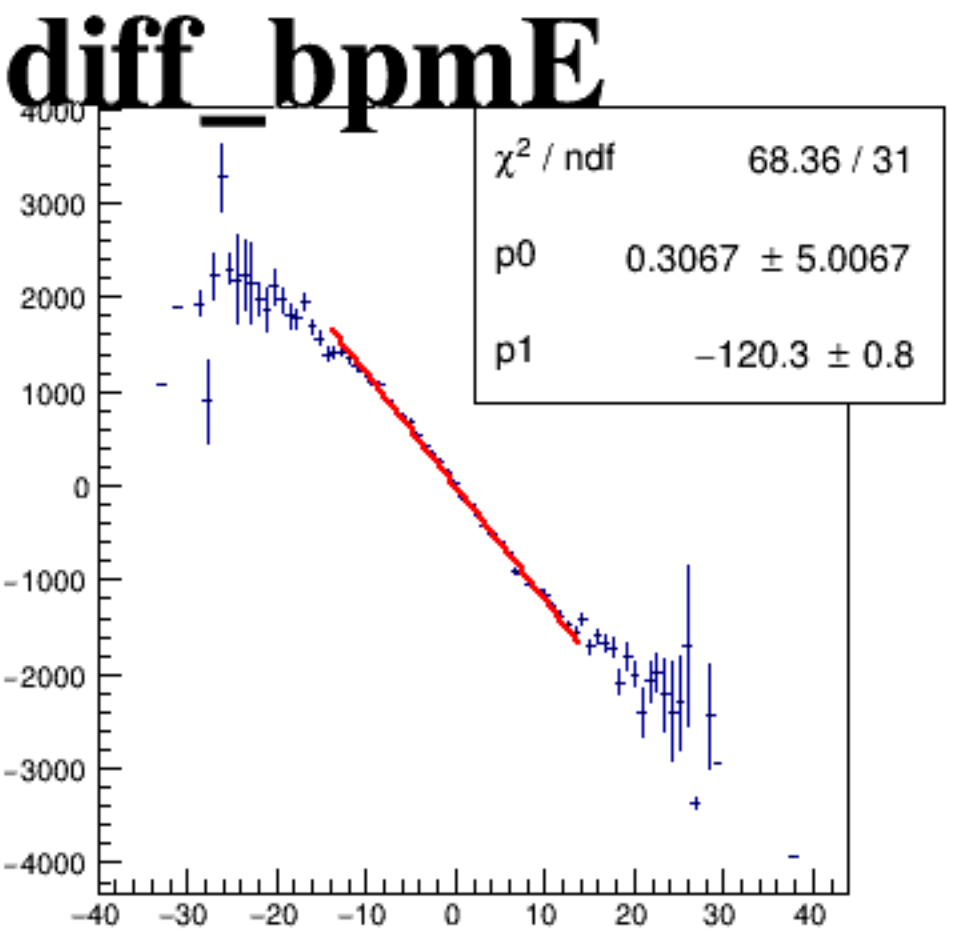
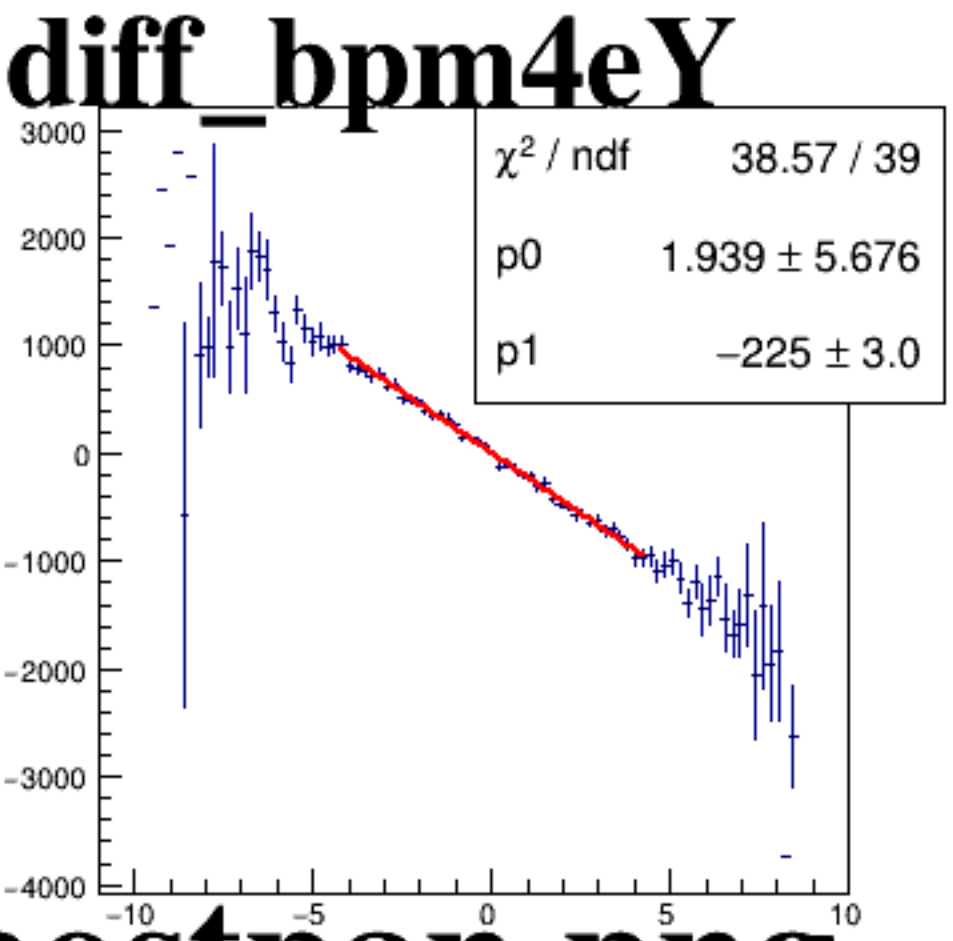
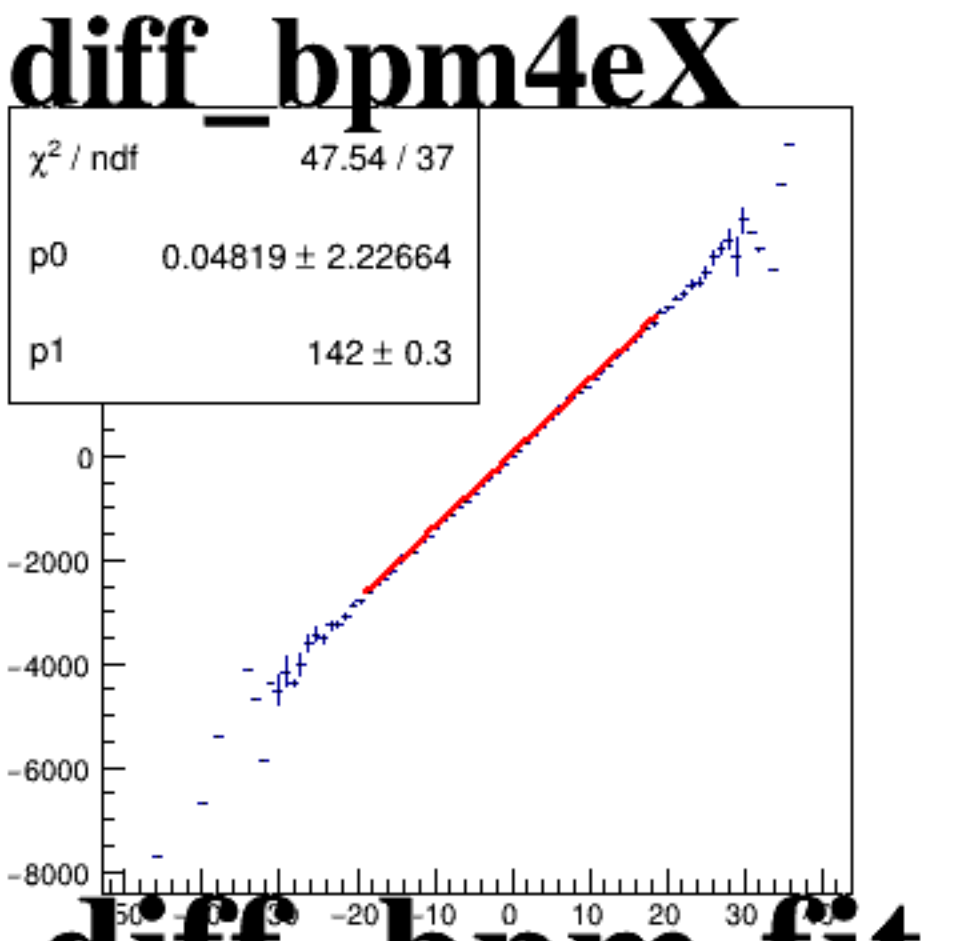
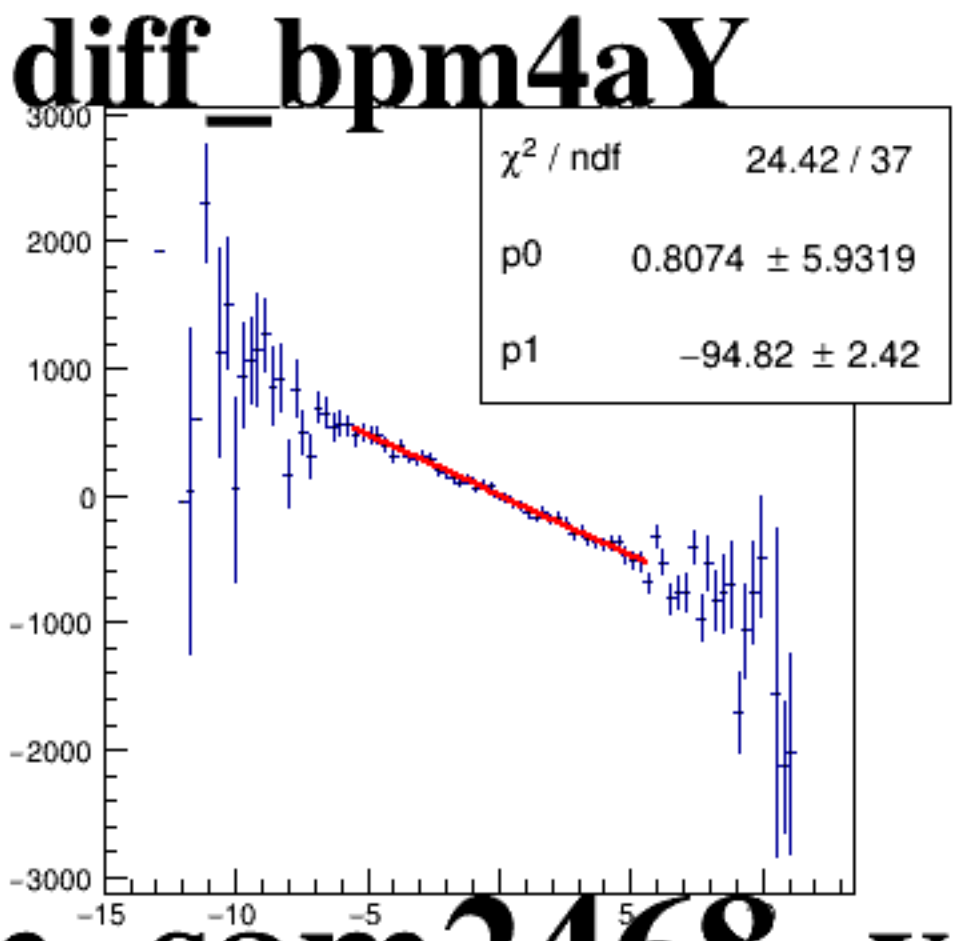
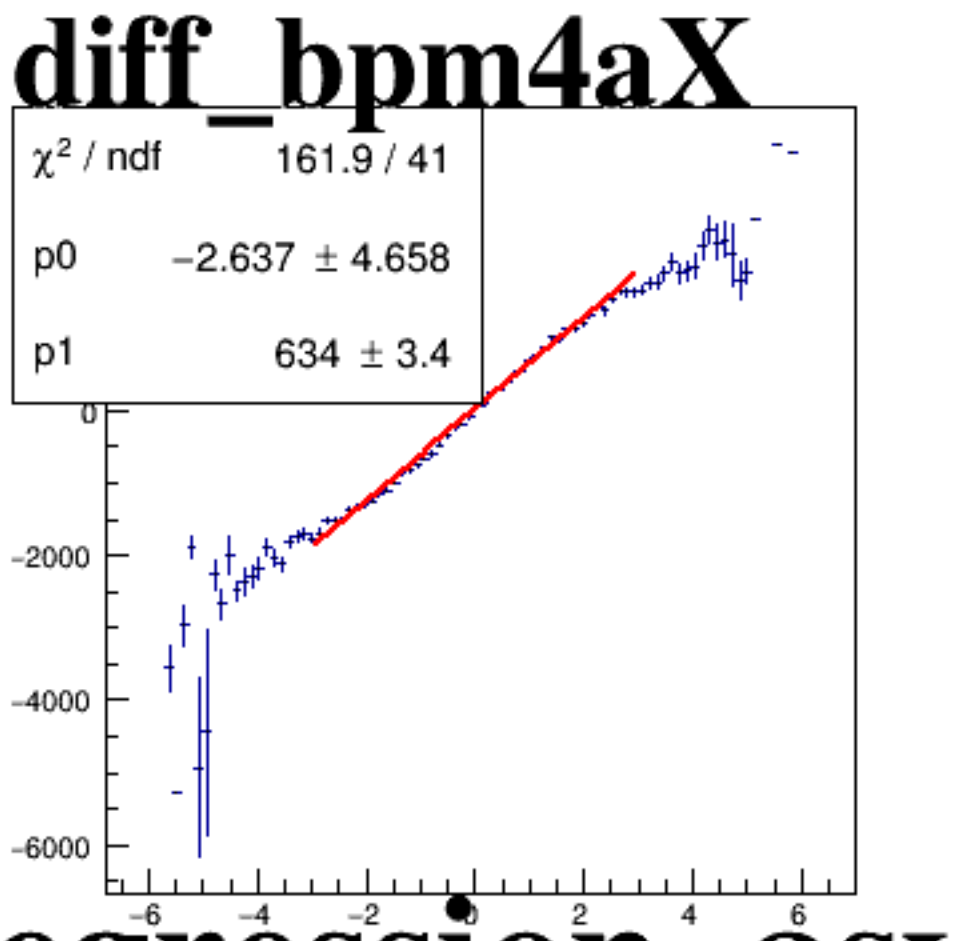
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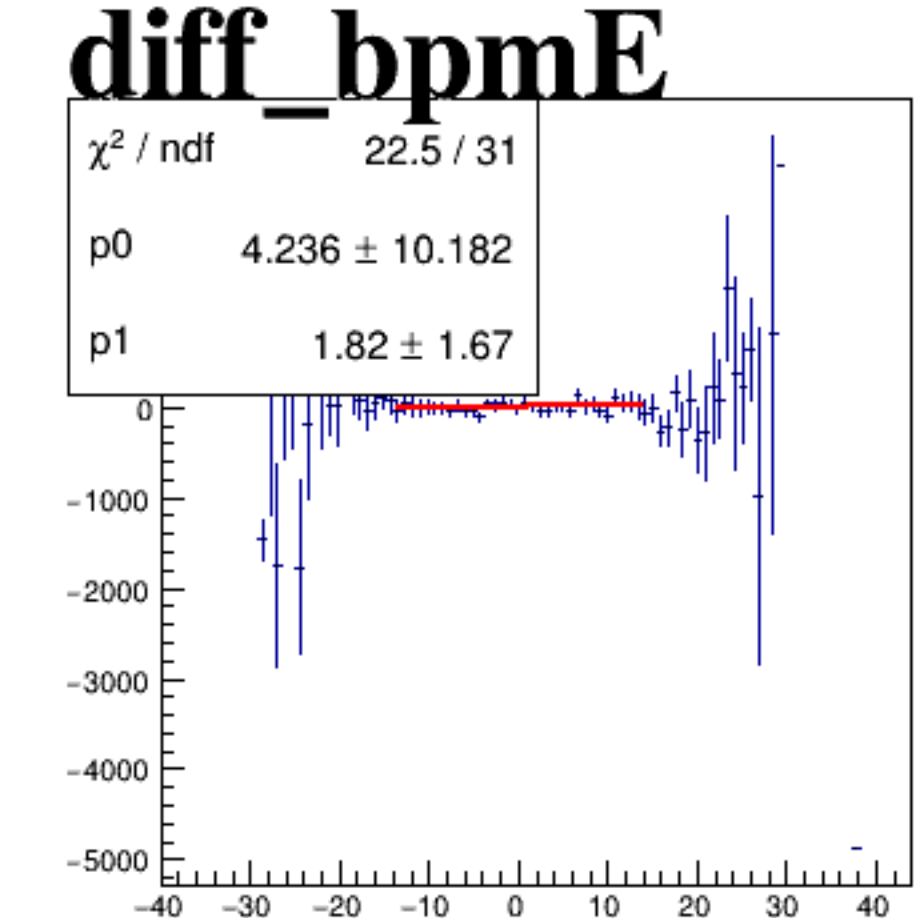
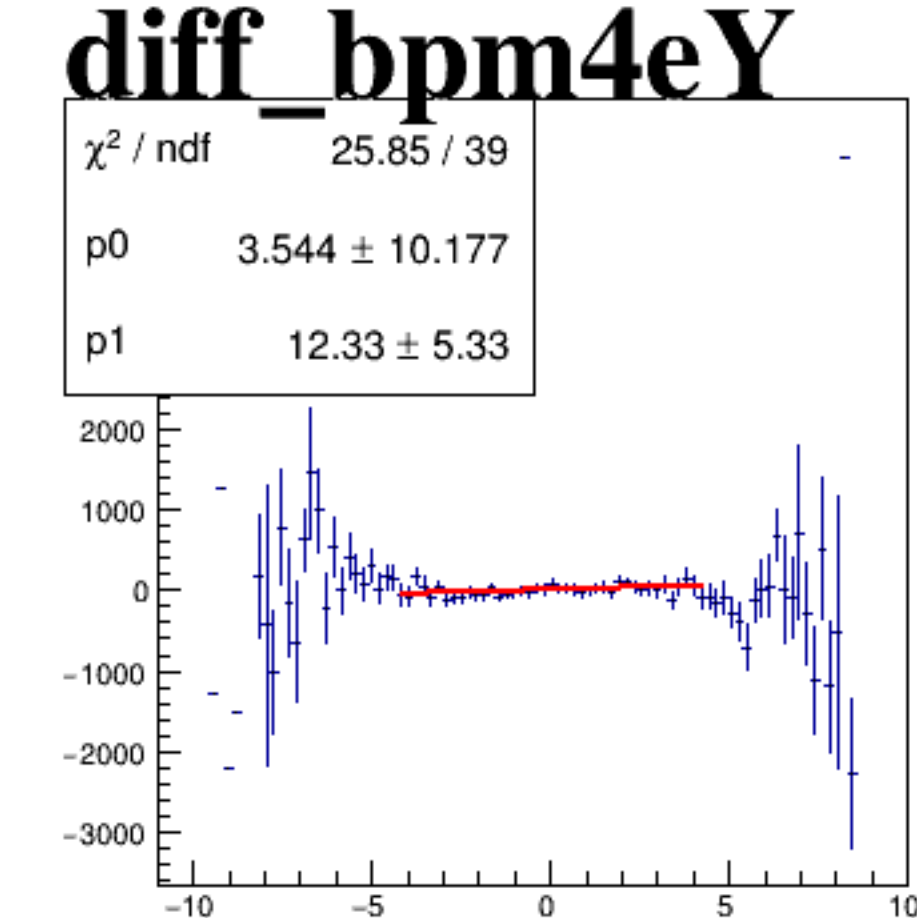
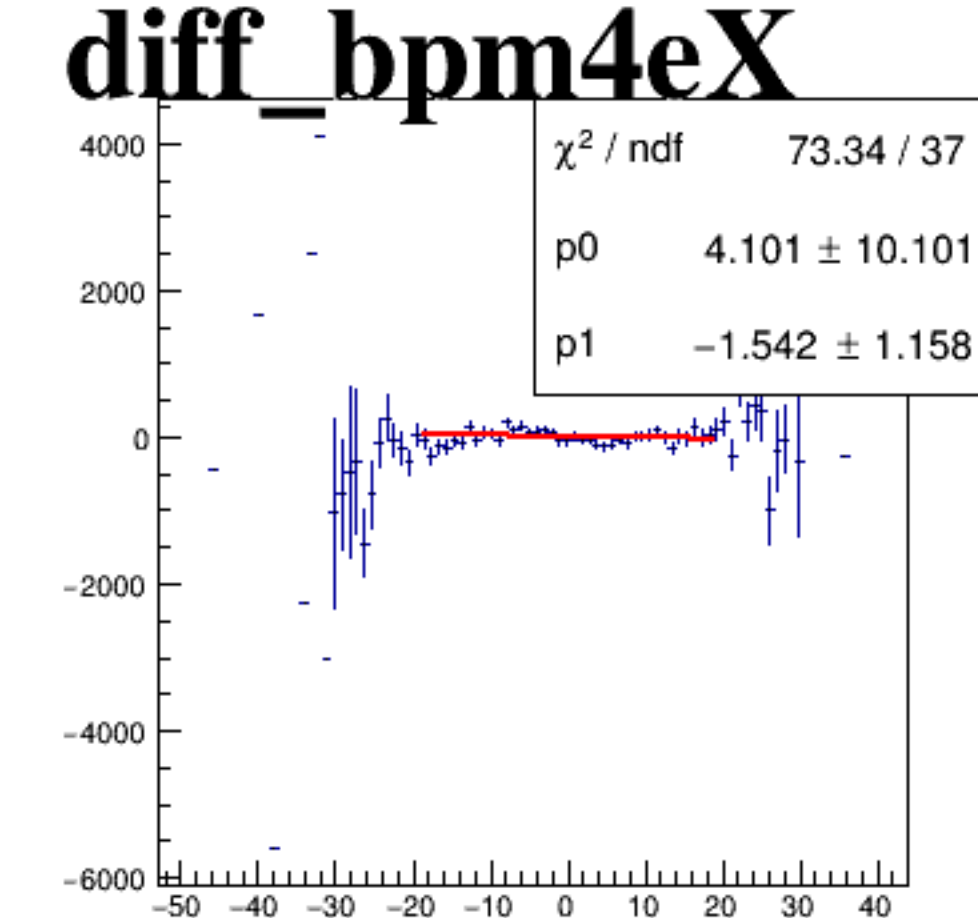
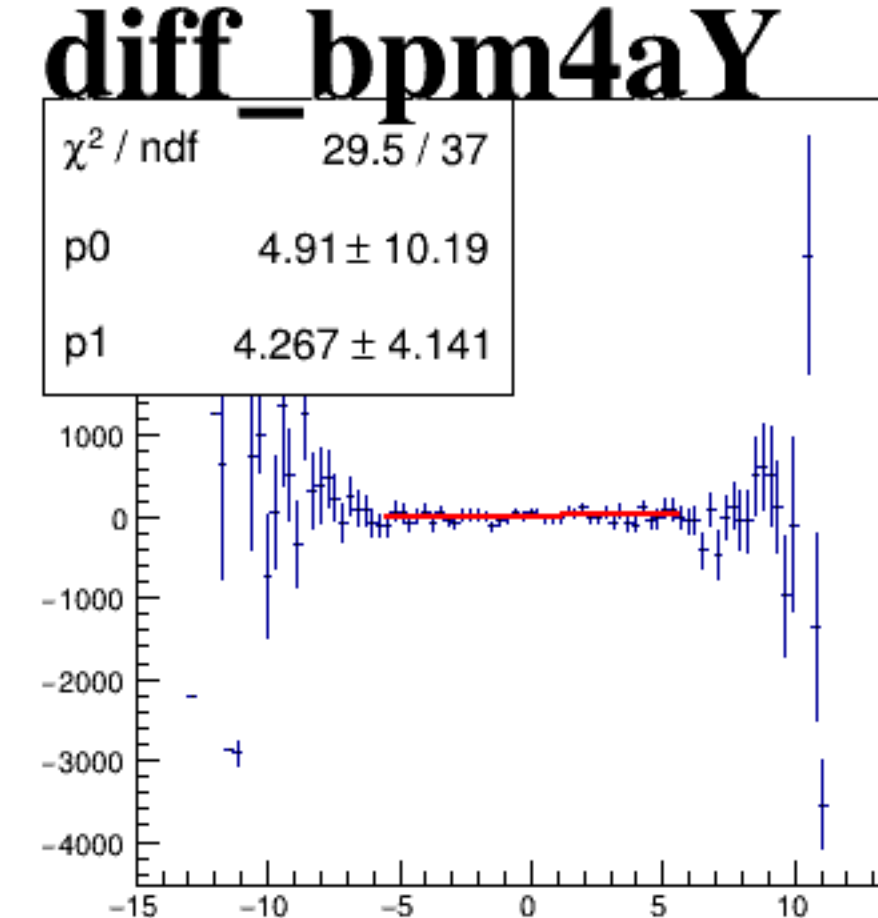
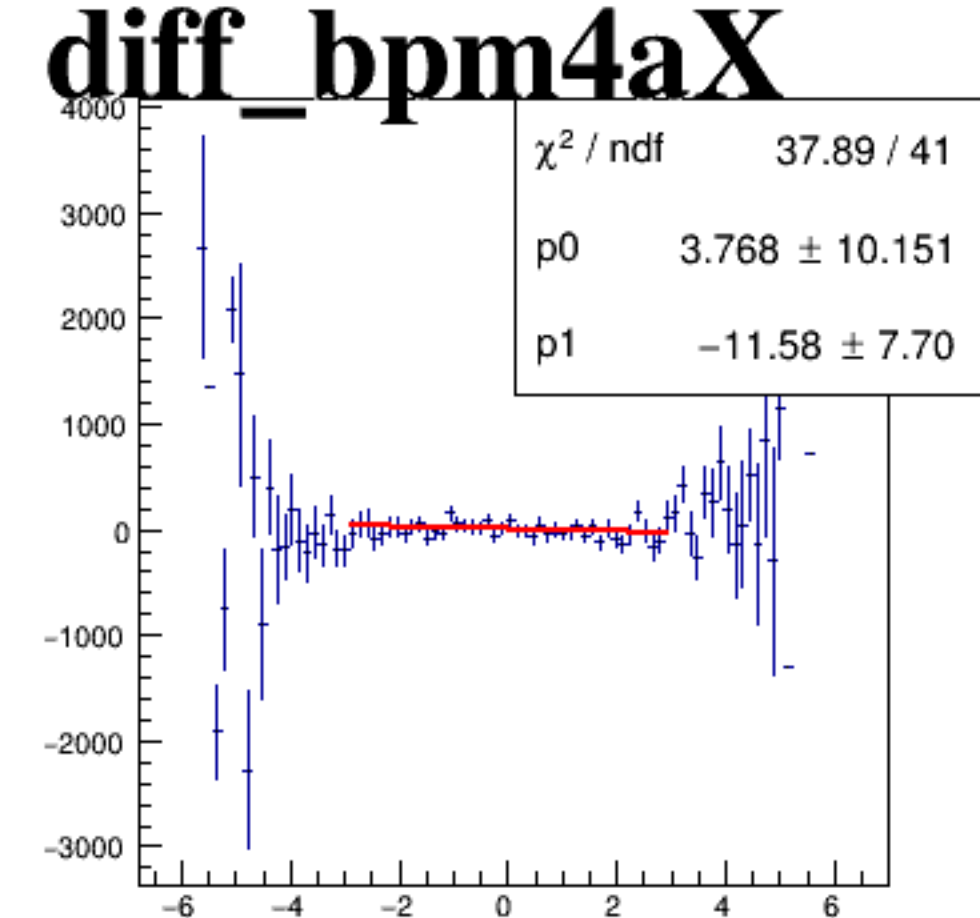


asym_sam8

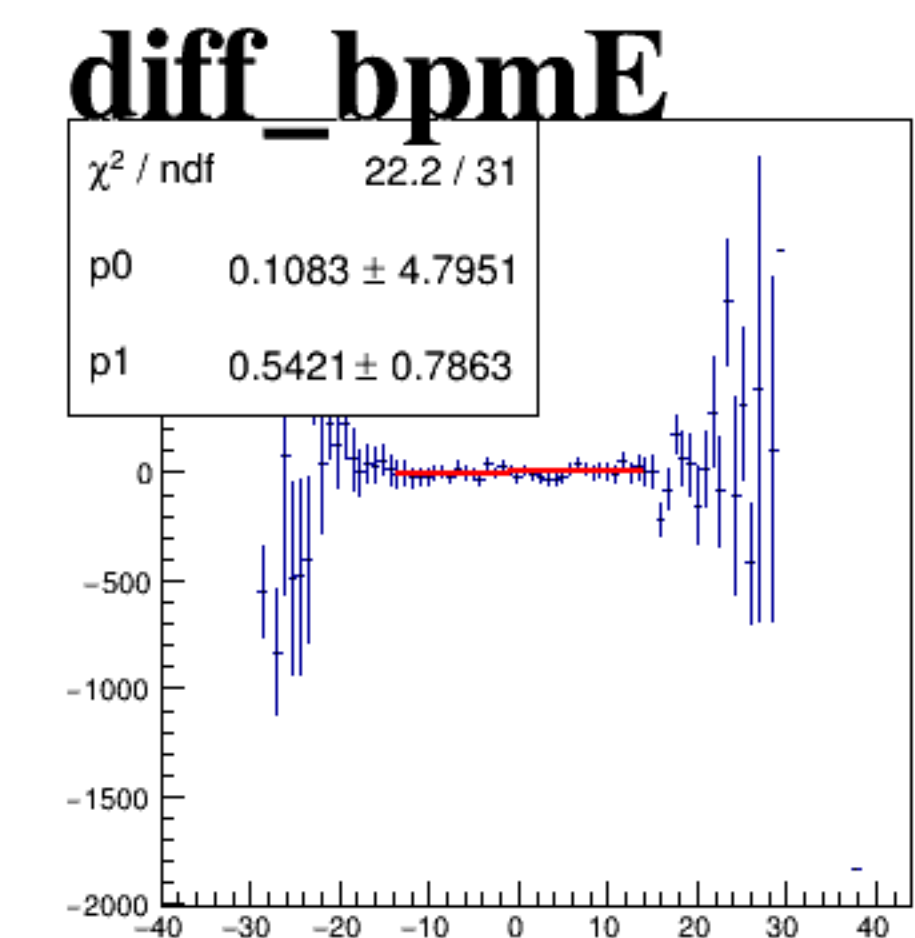
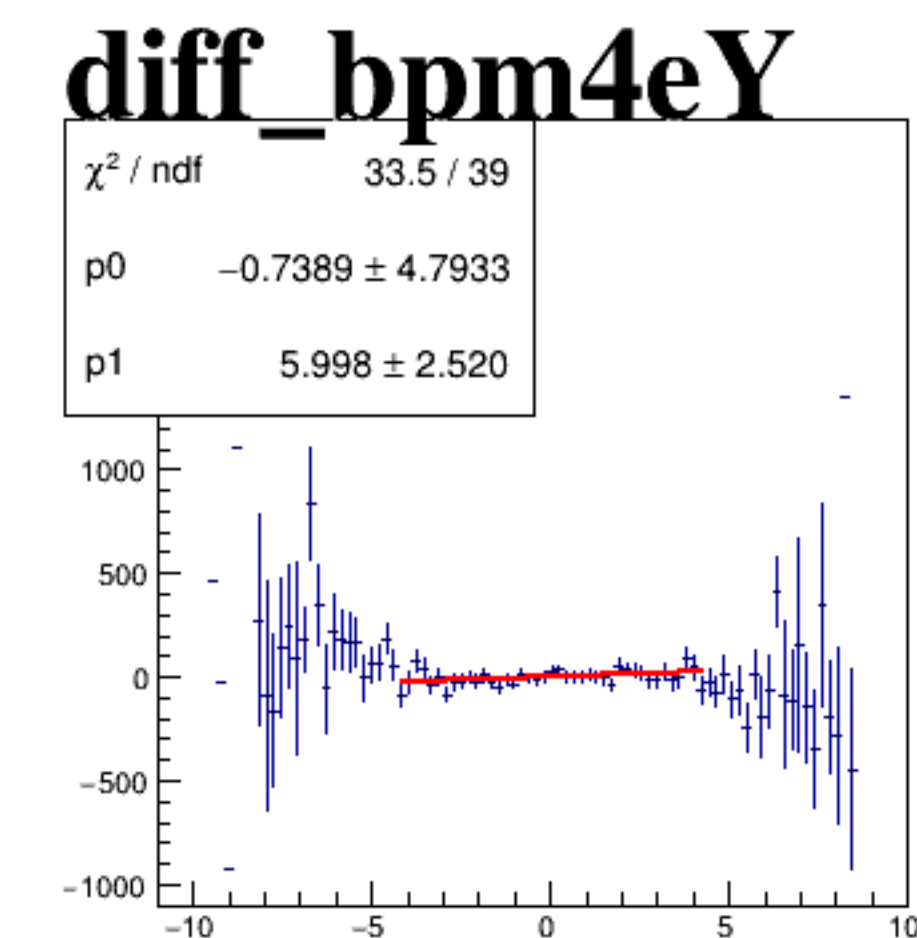
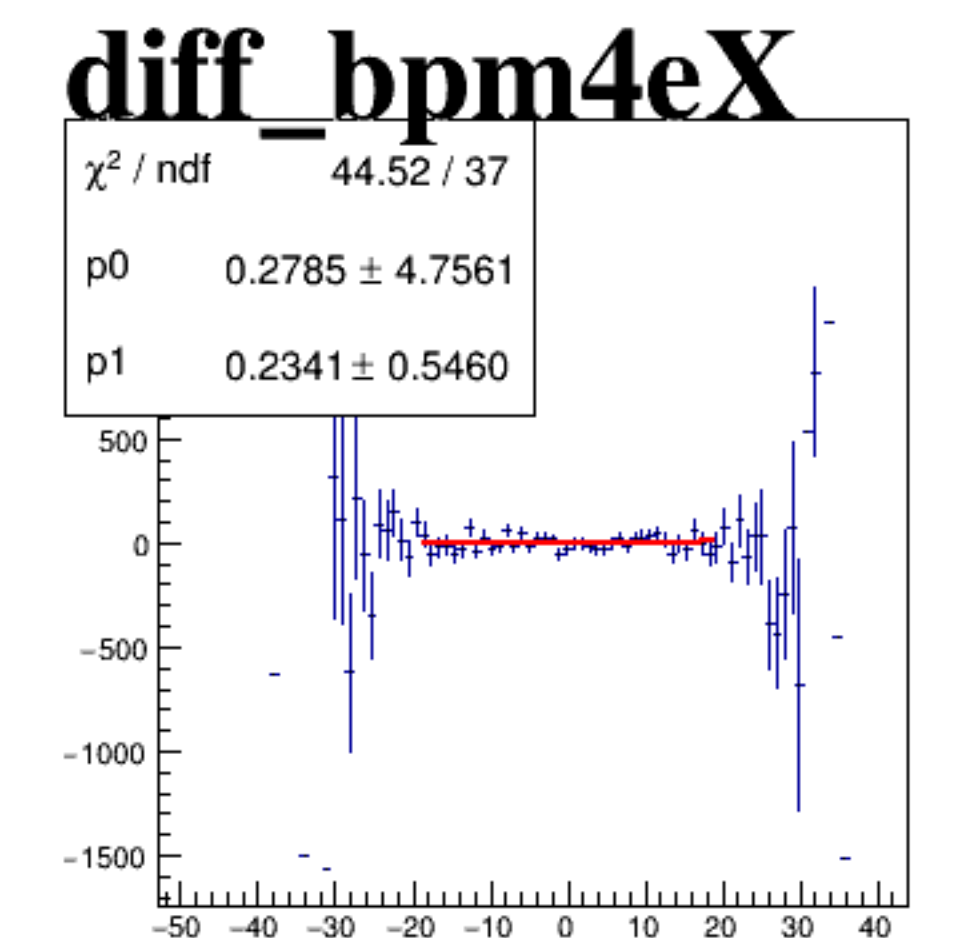
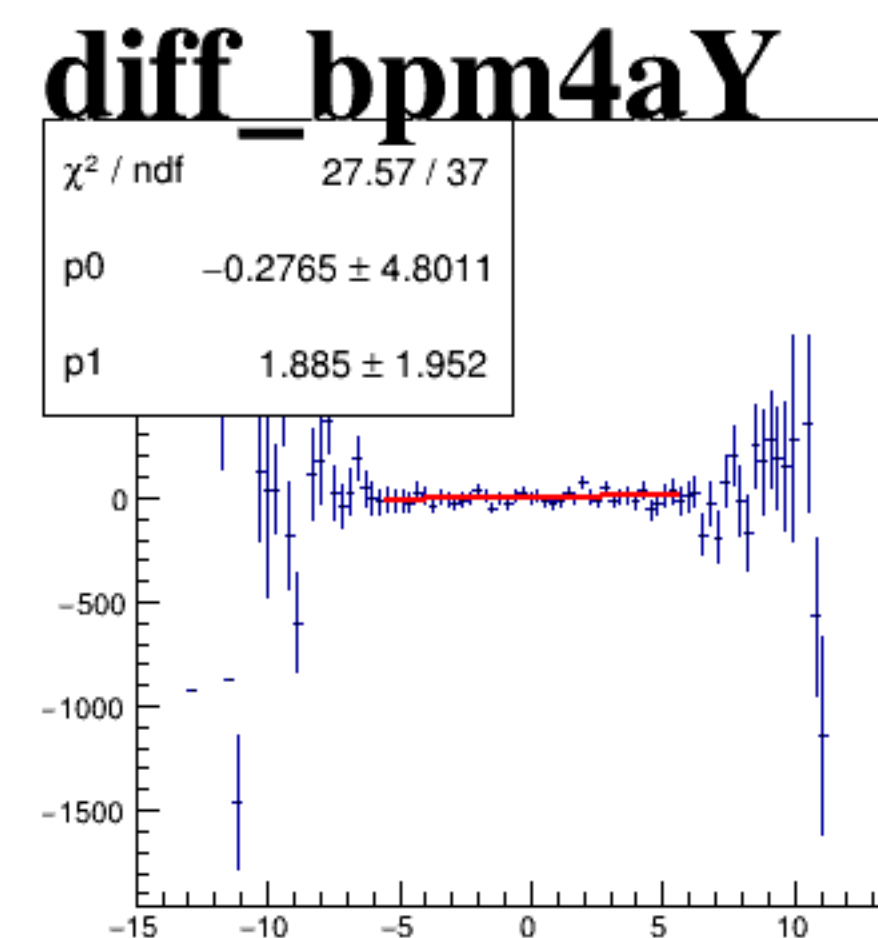
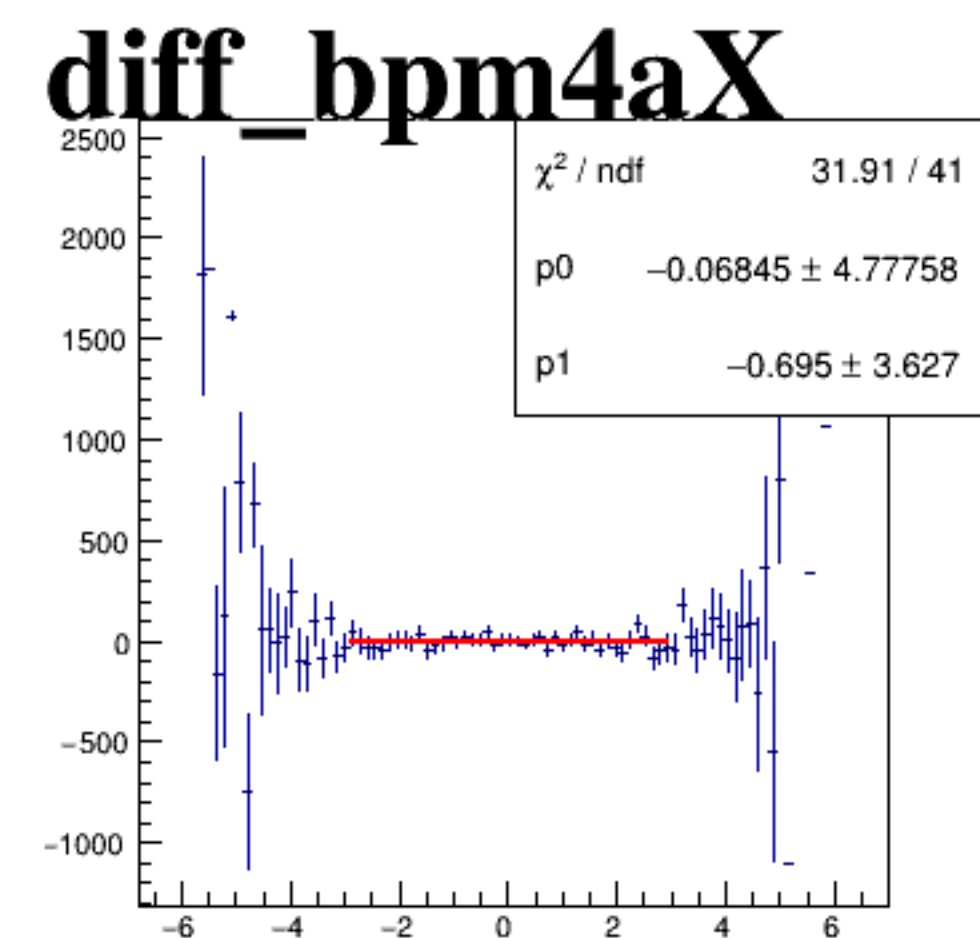


run4754_000_regression_asym_sam2468_vs_diff_bpm-fit_postpan.png

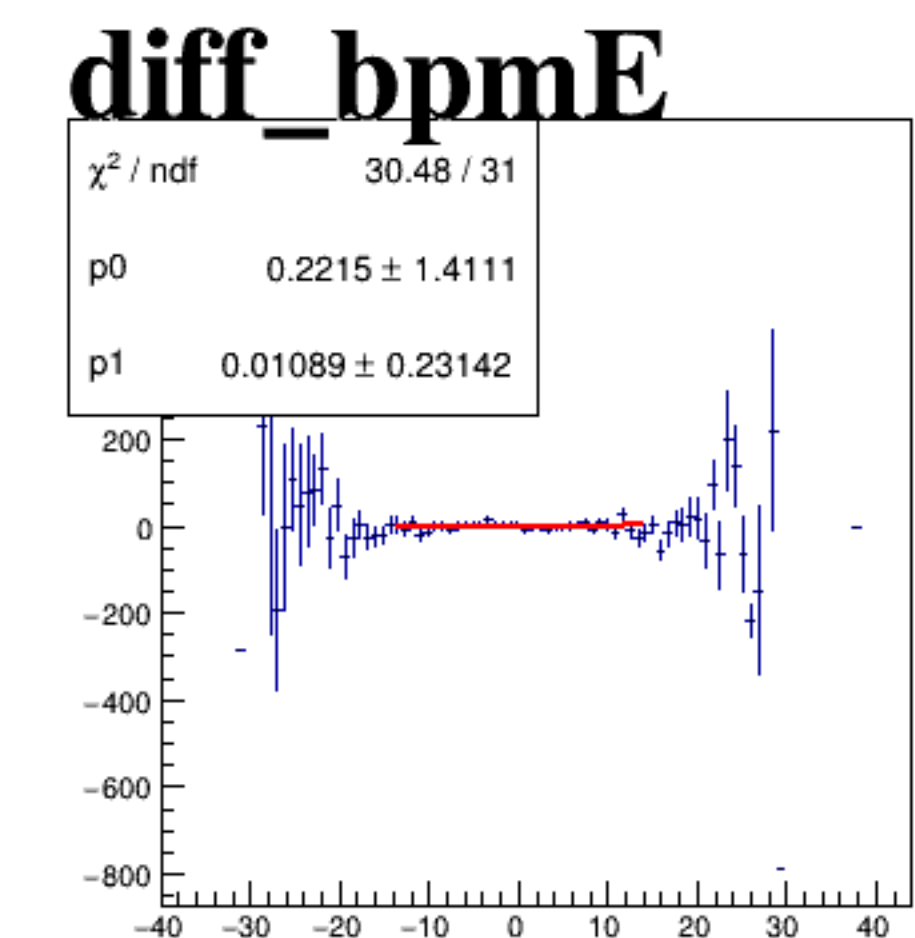
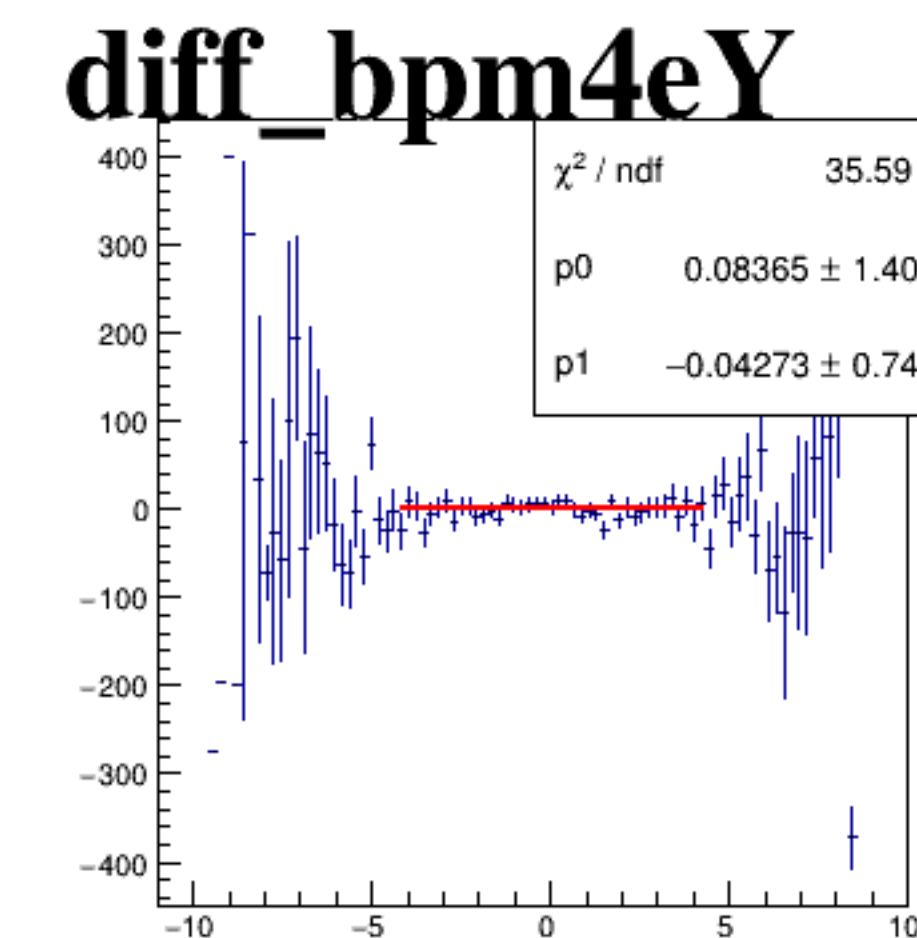
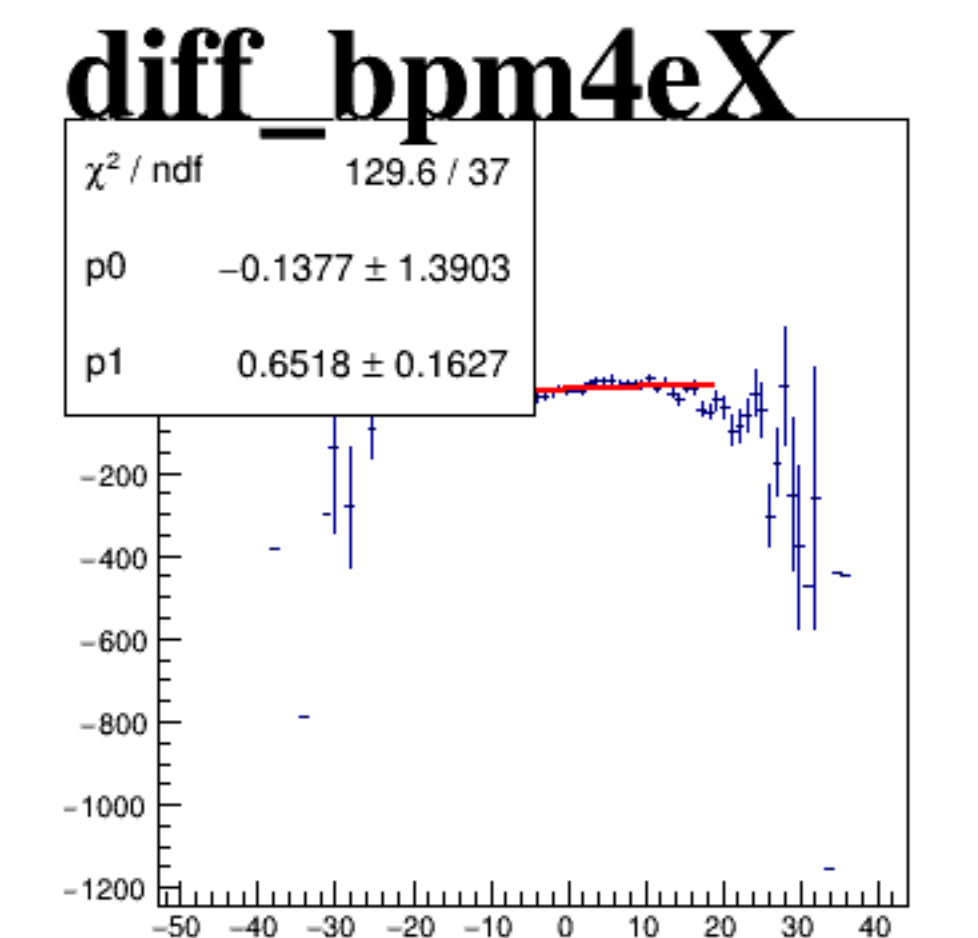
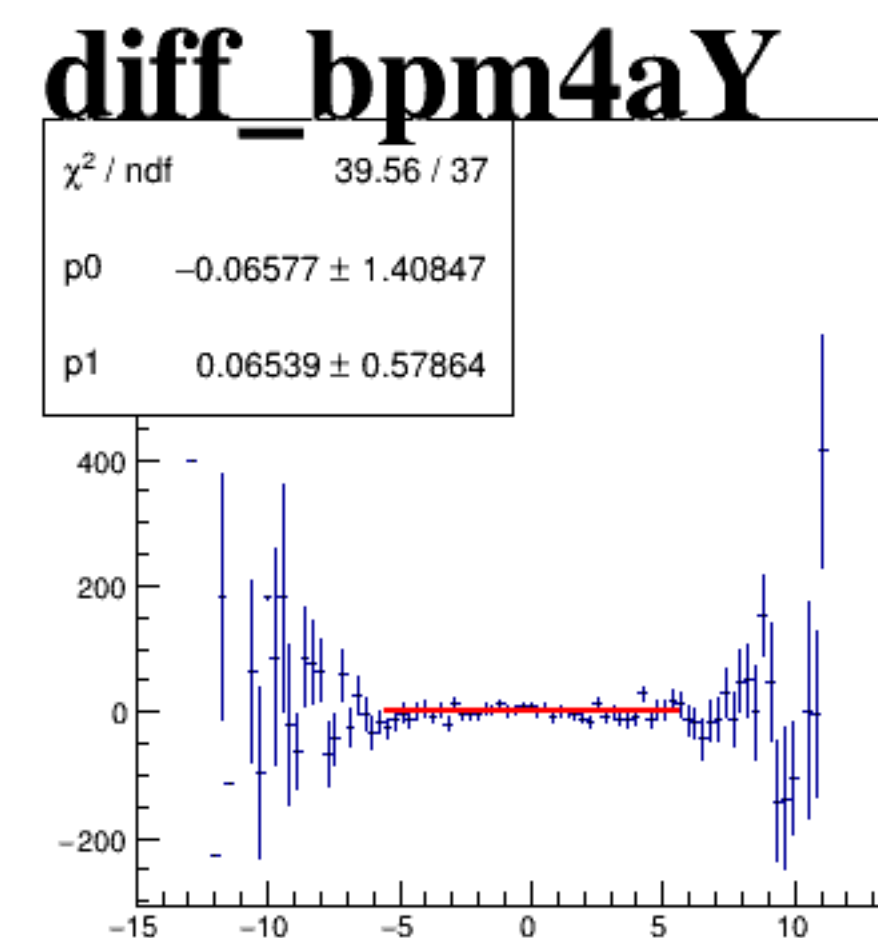
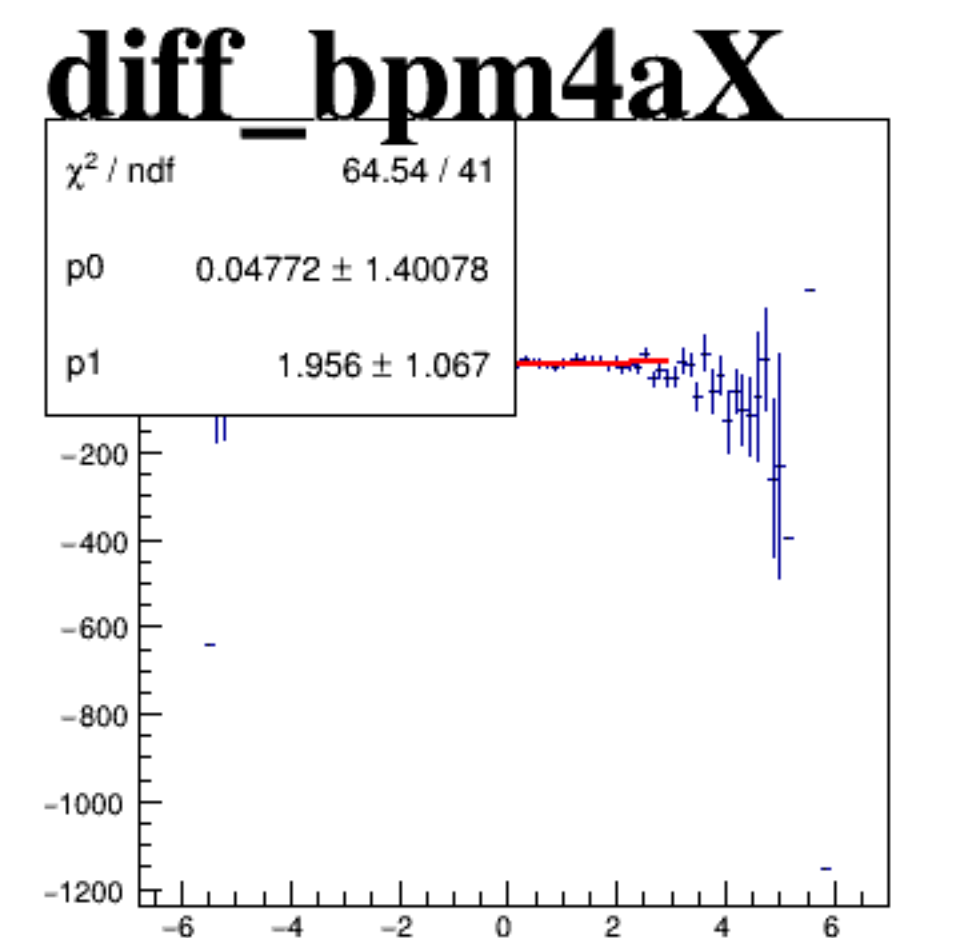
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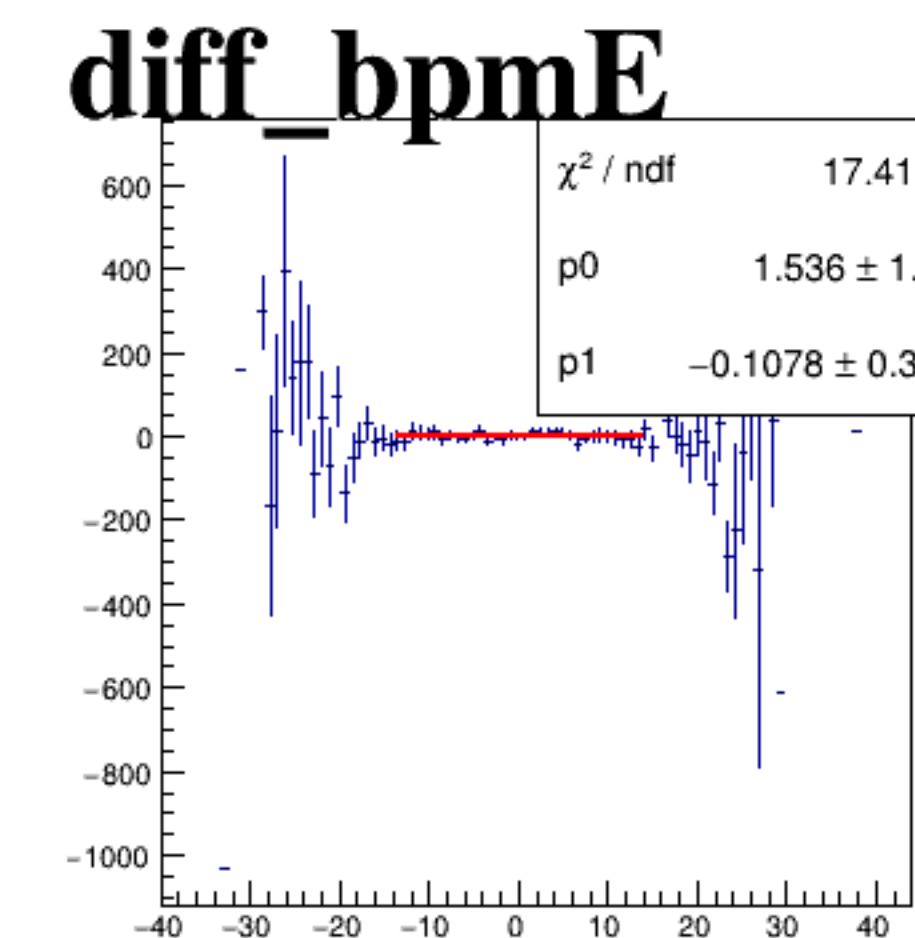
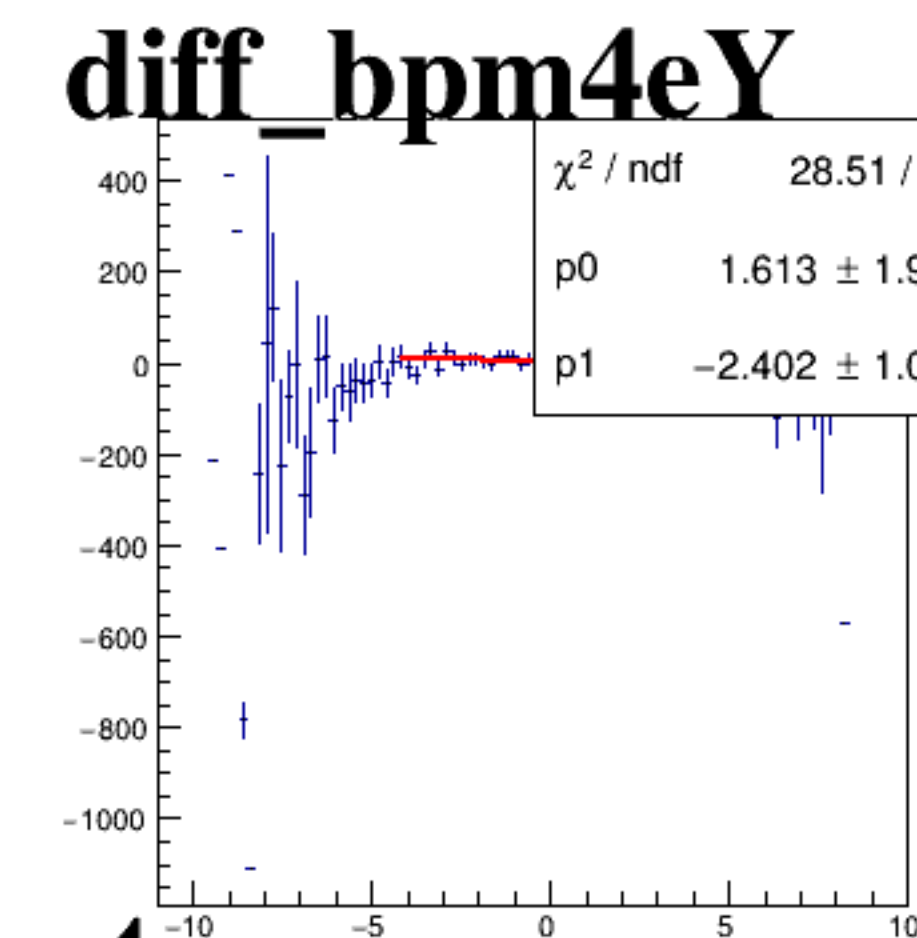
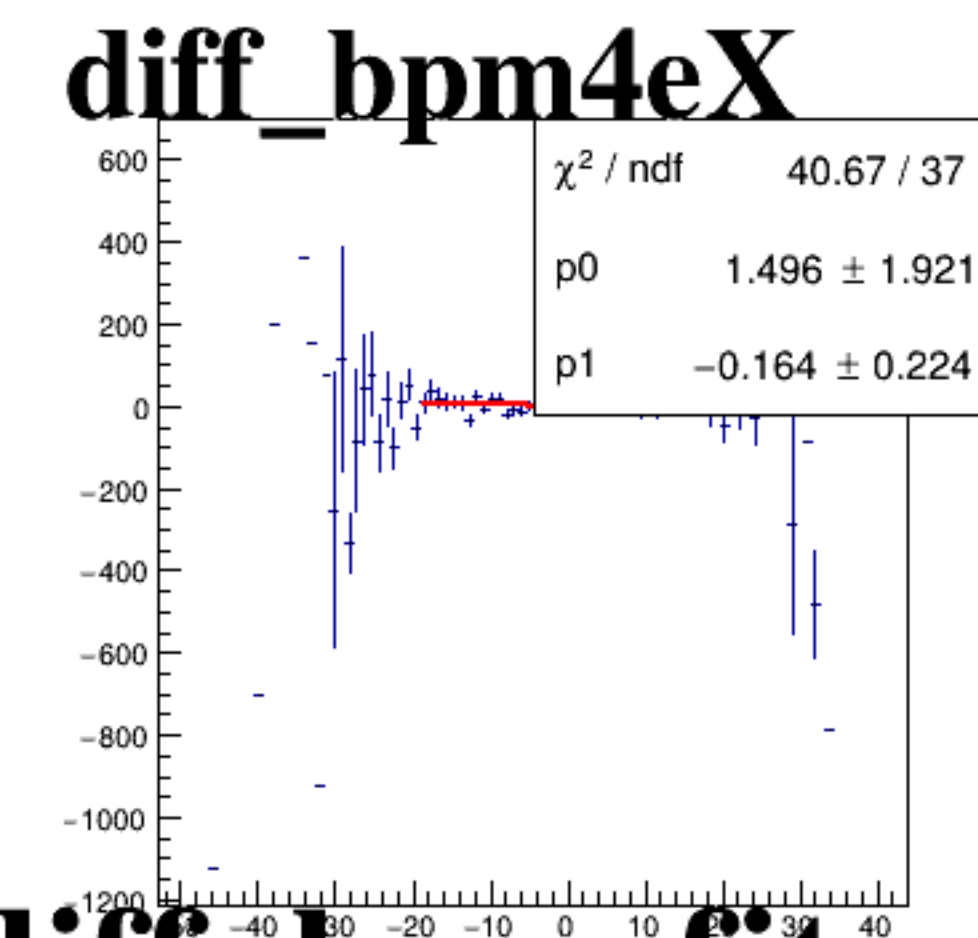
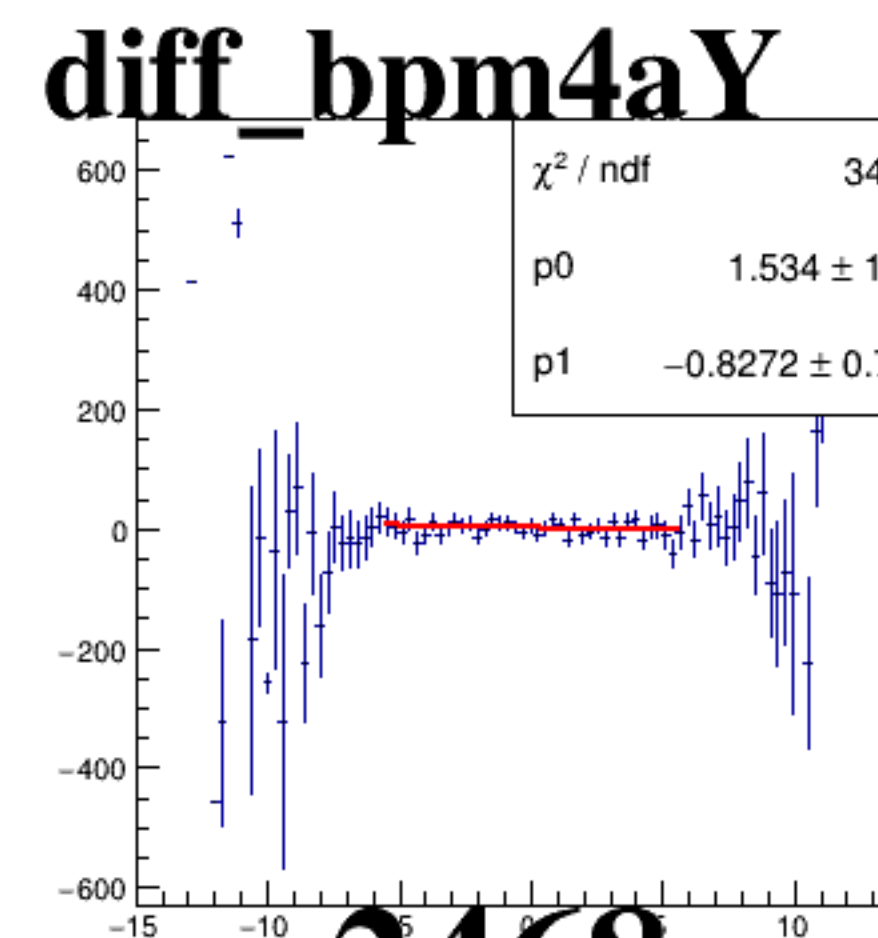
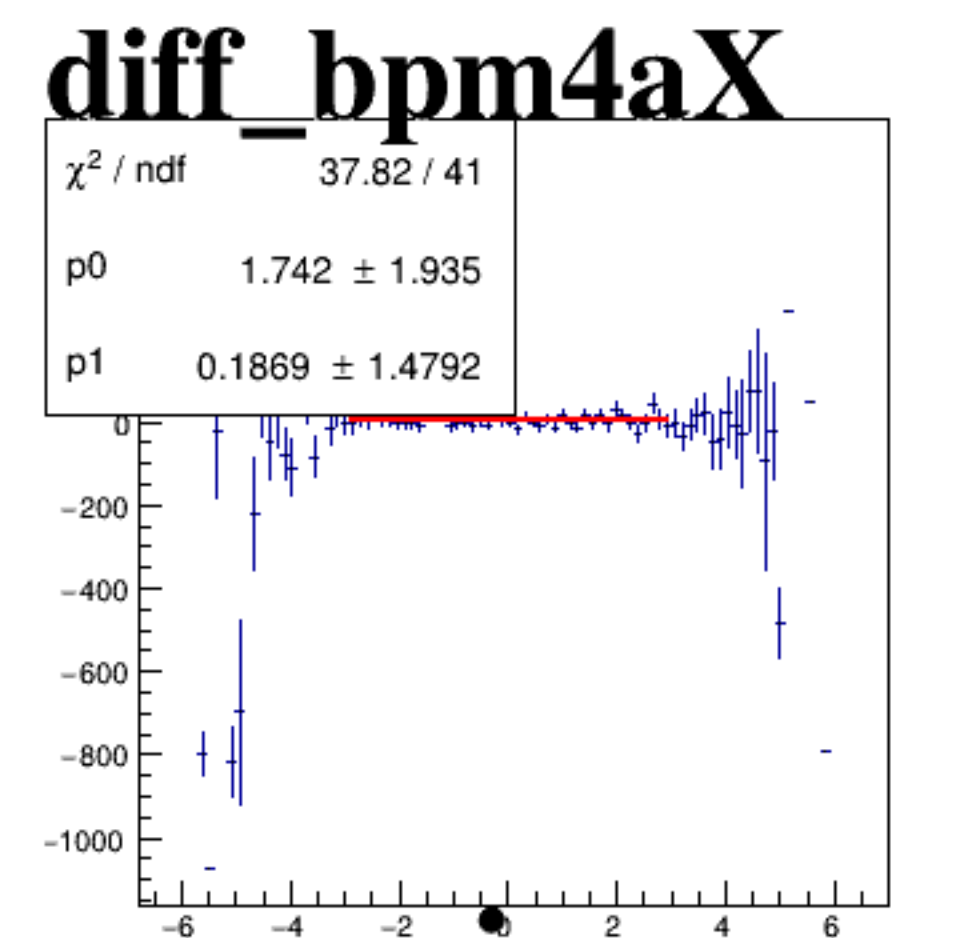
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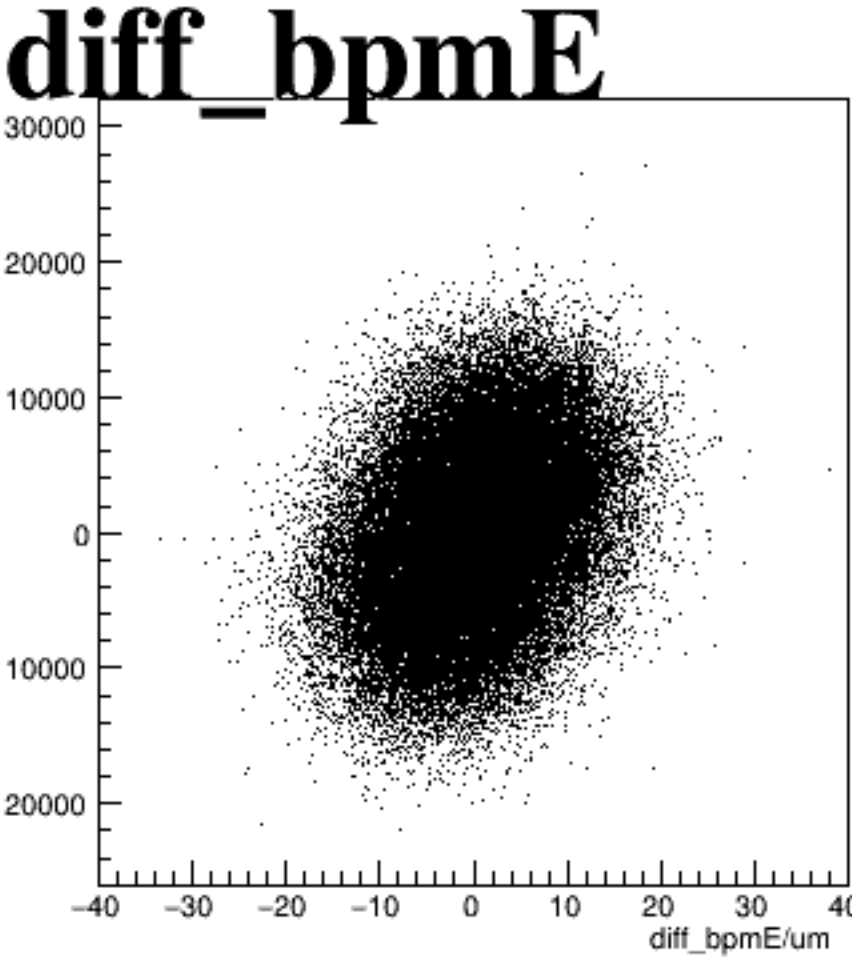
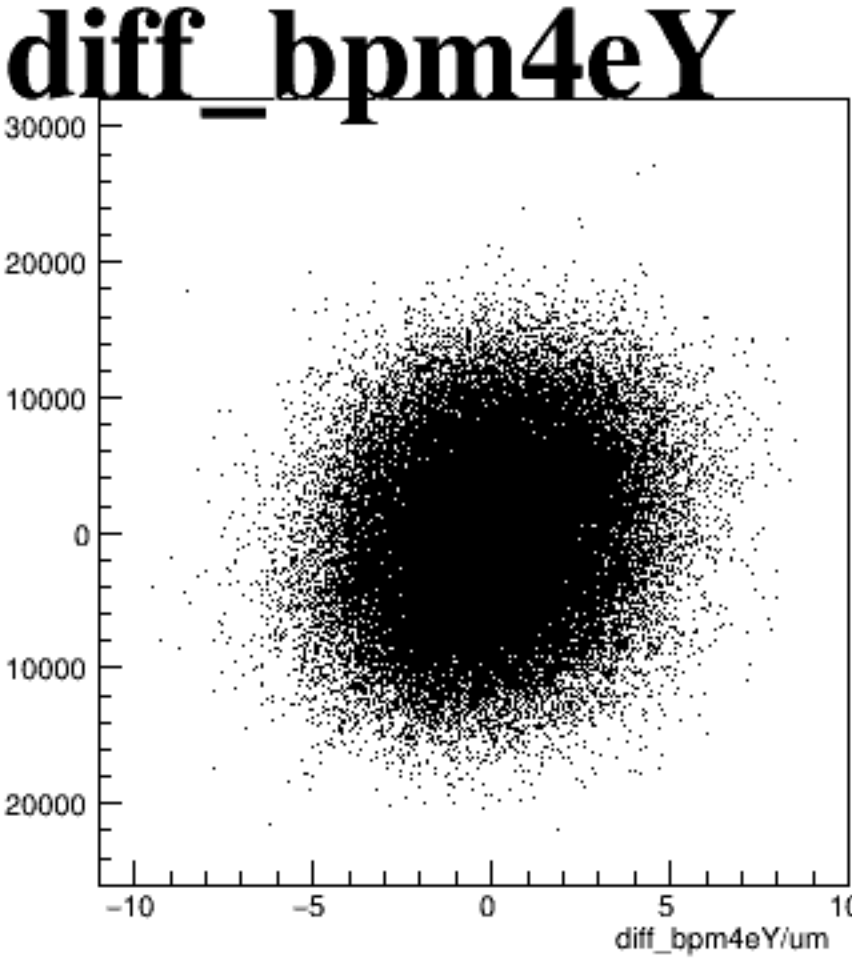
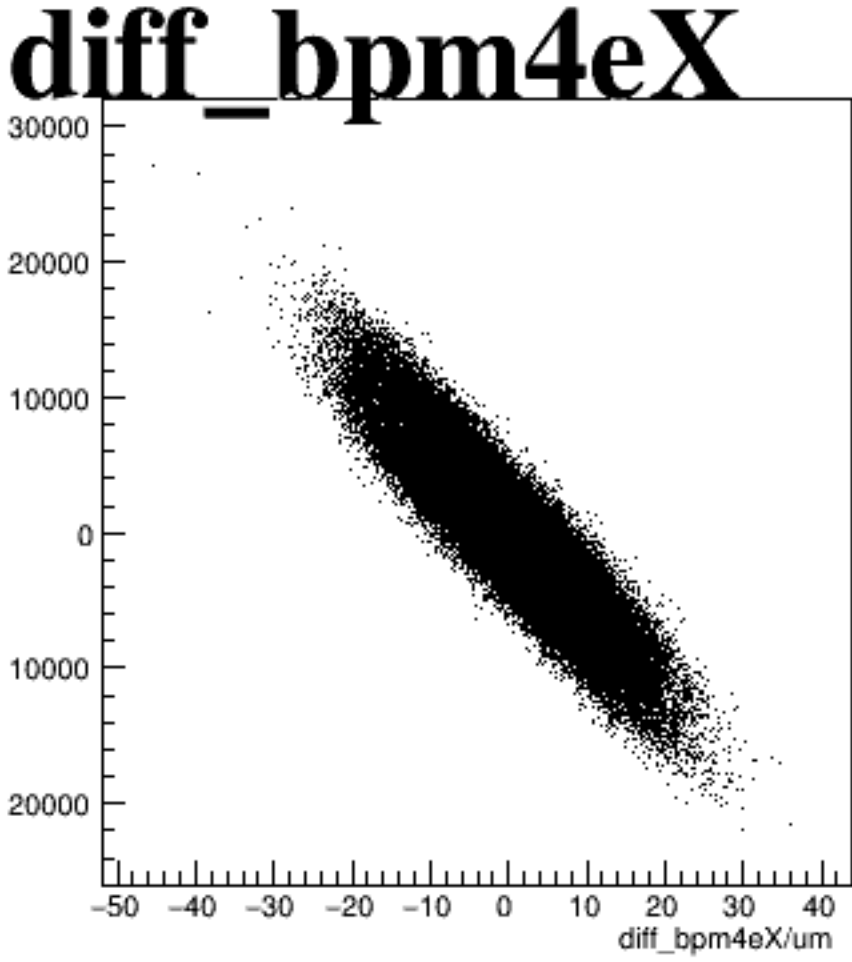
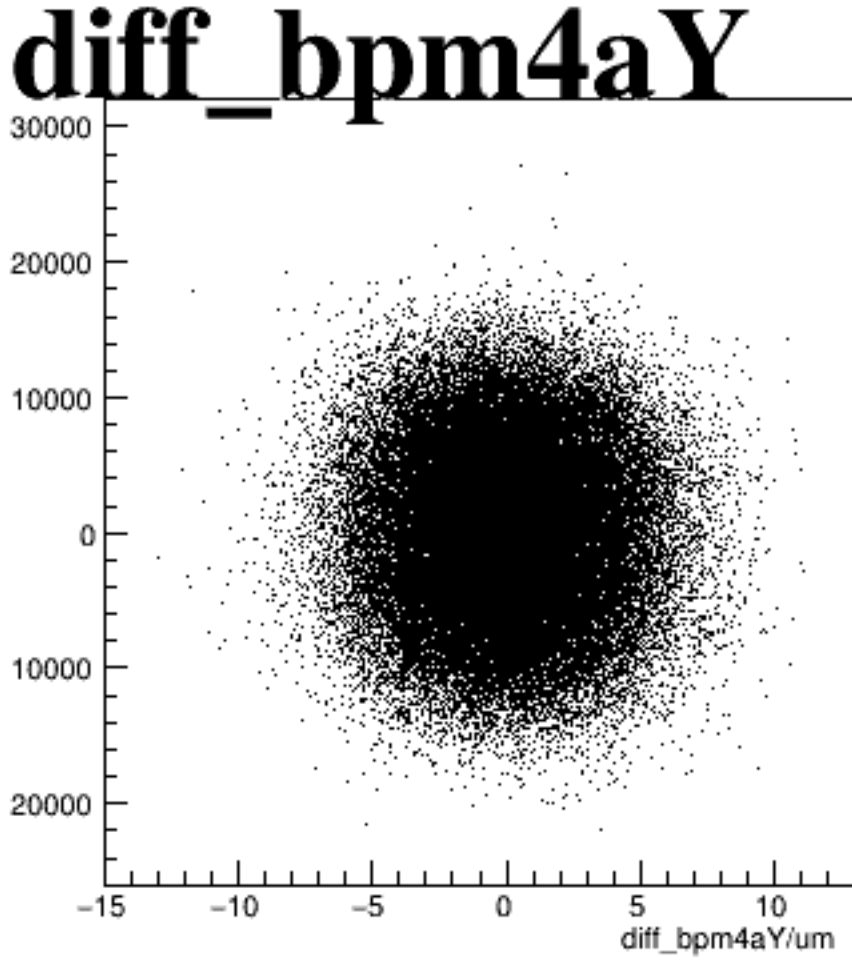
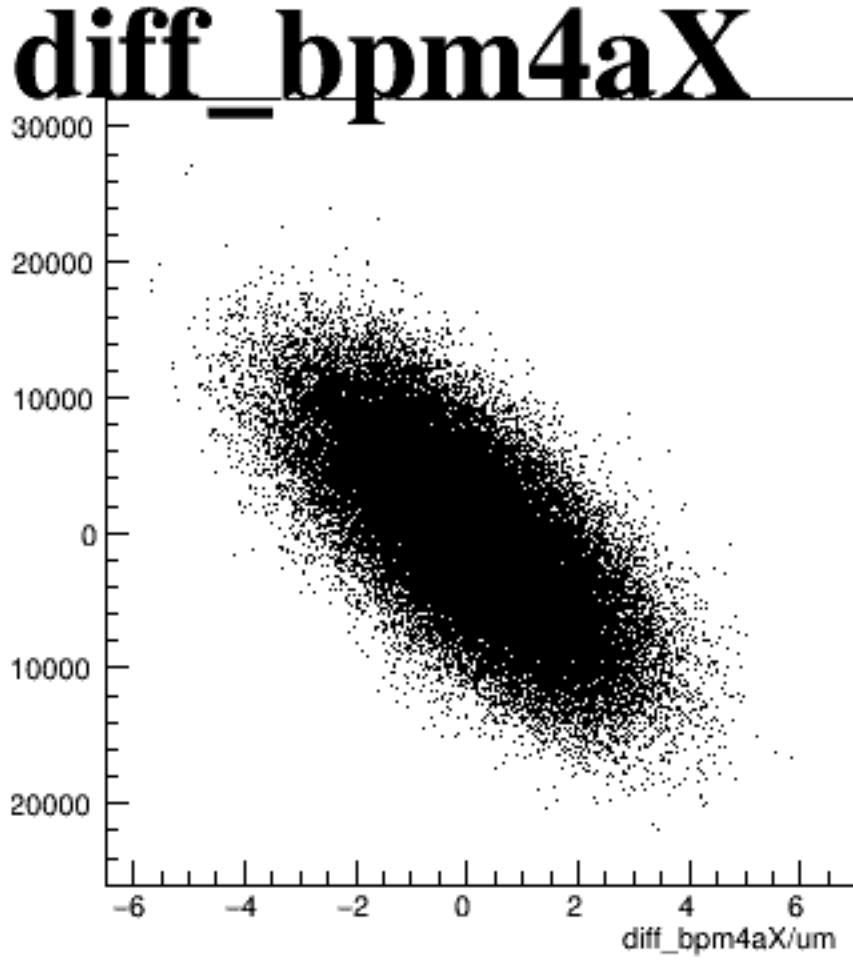
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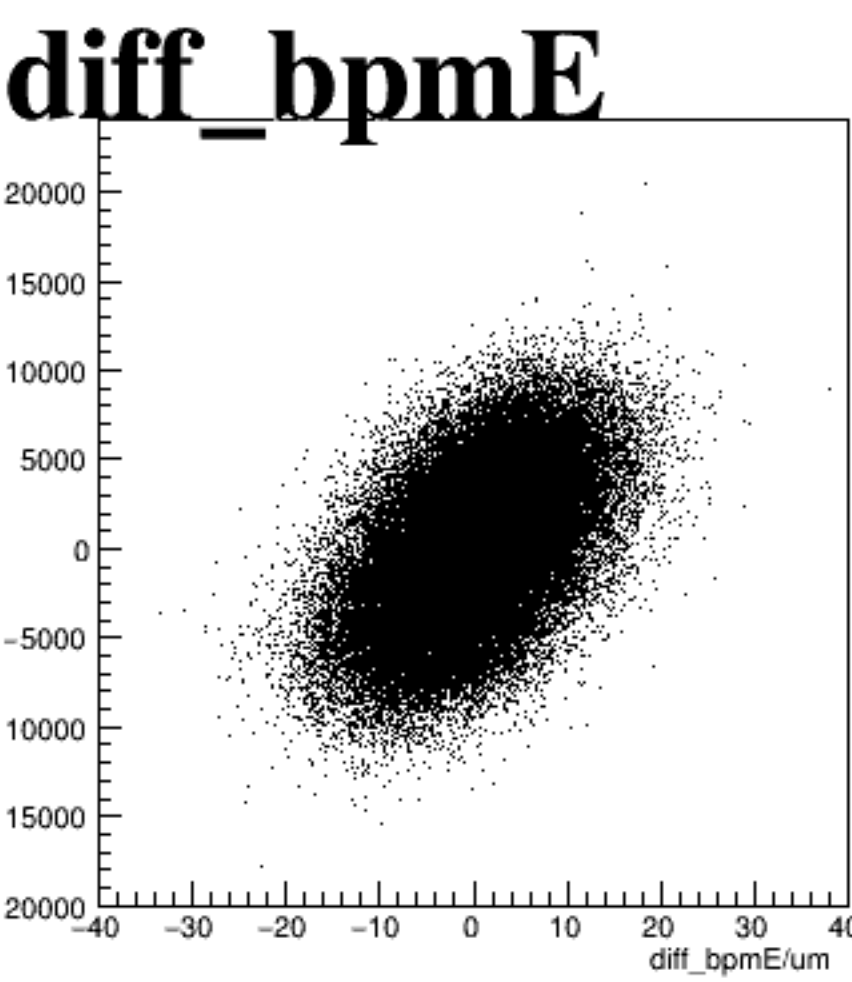
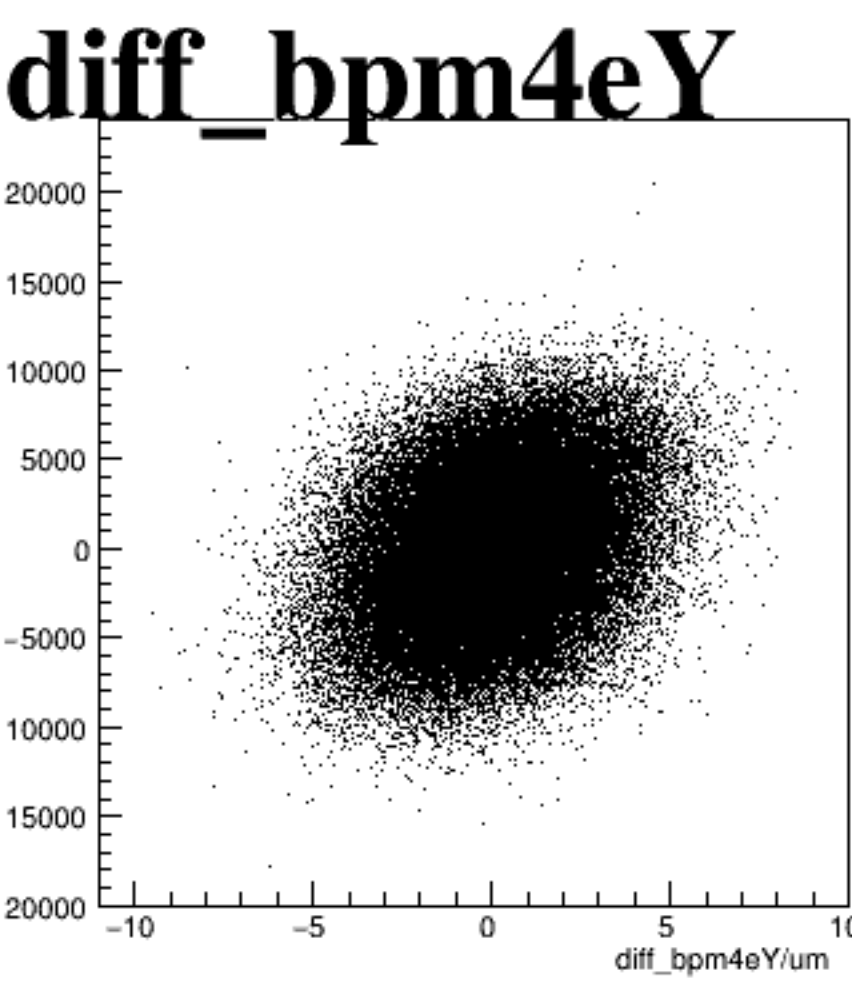
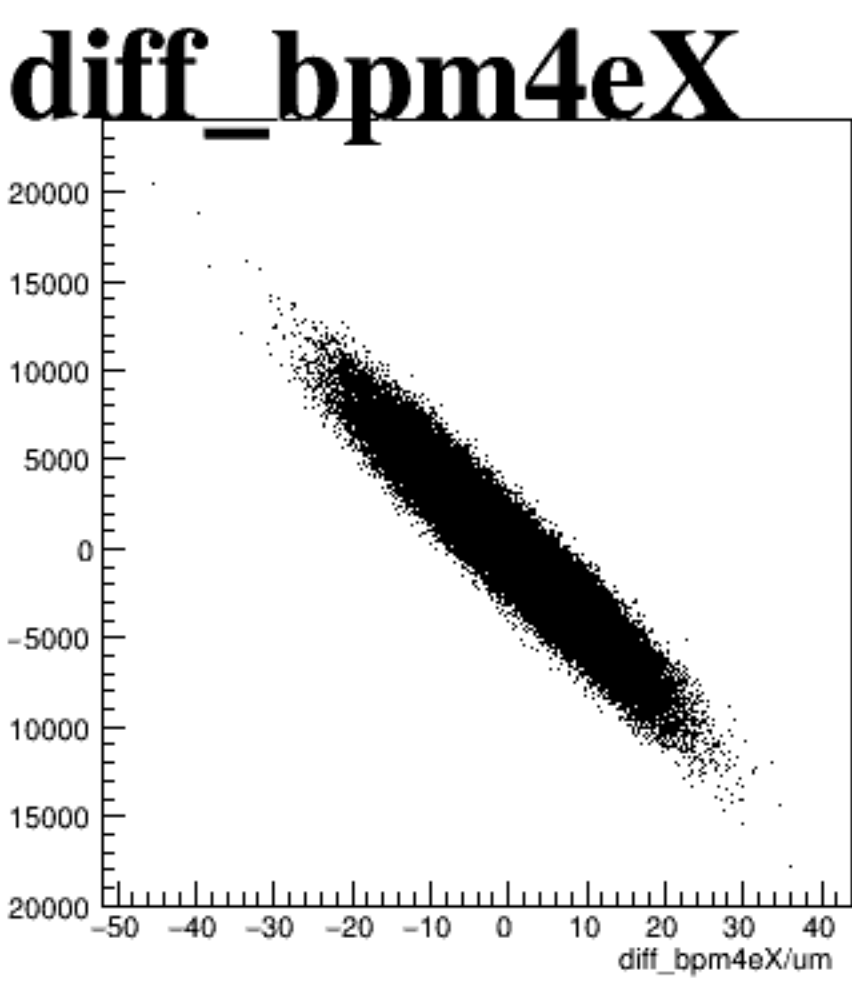
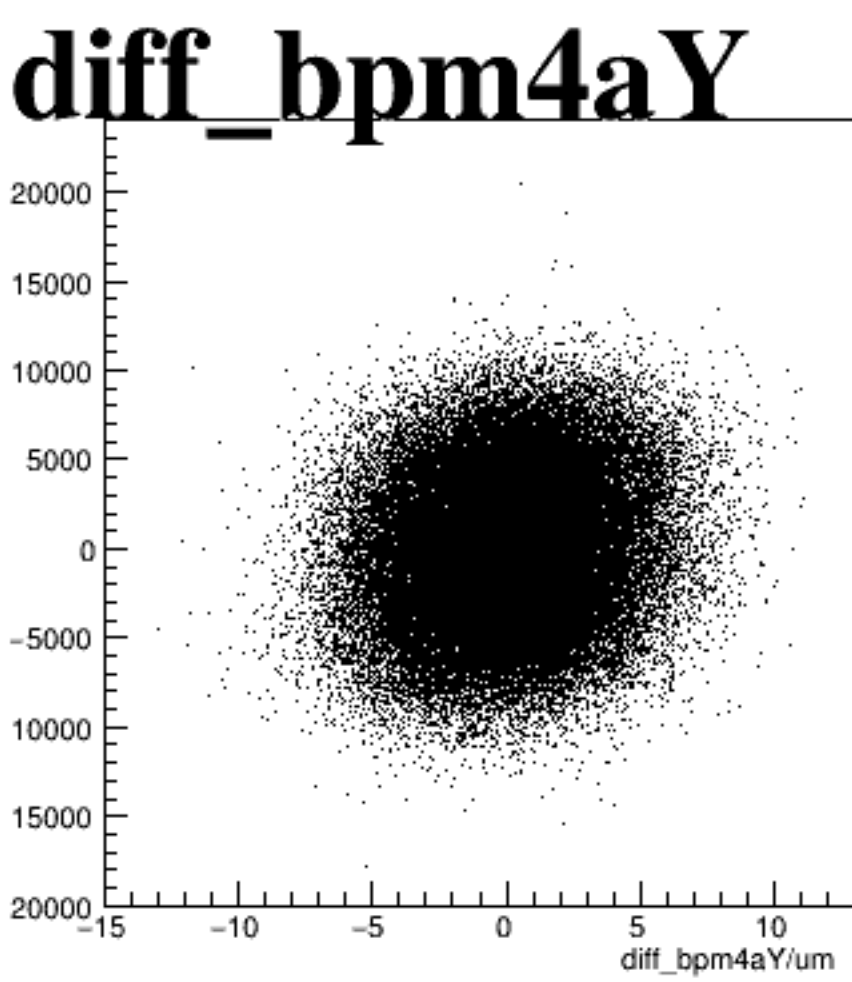
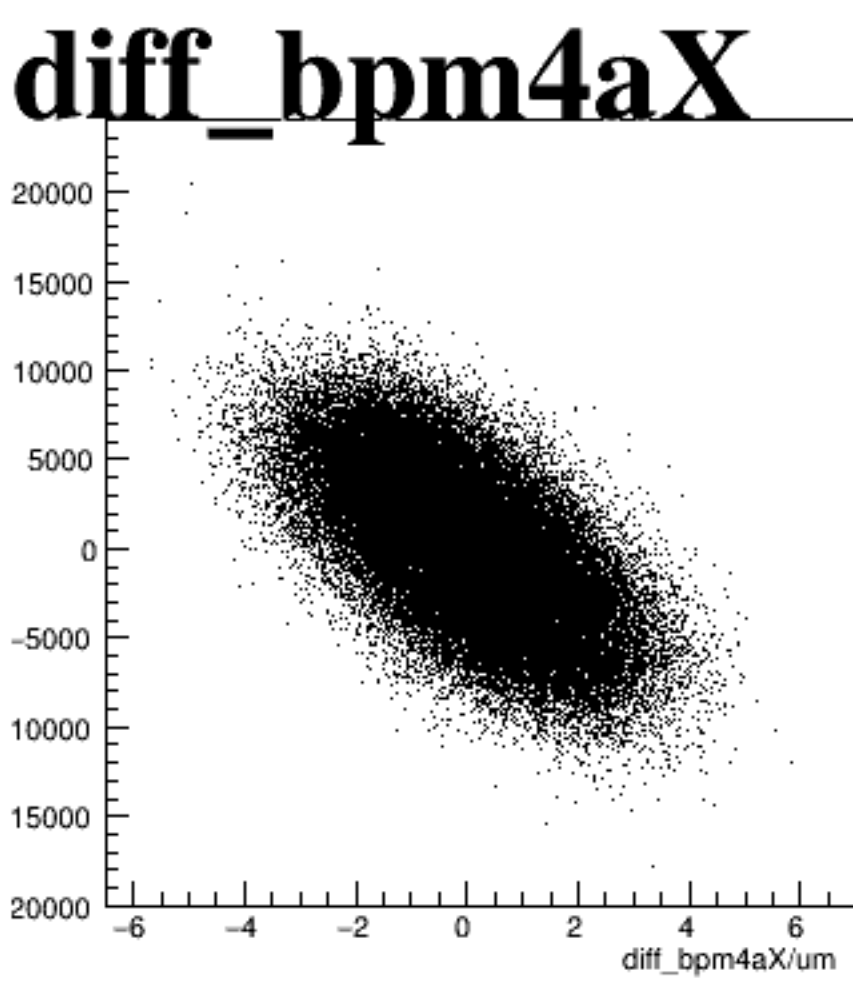
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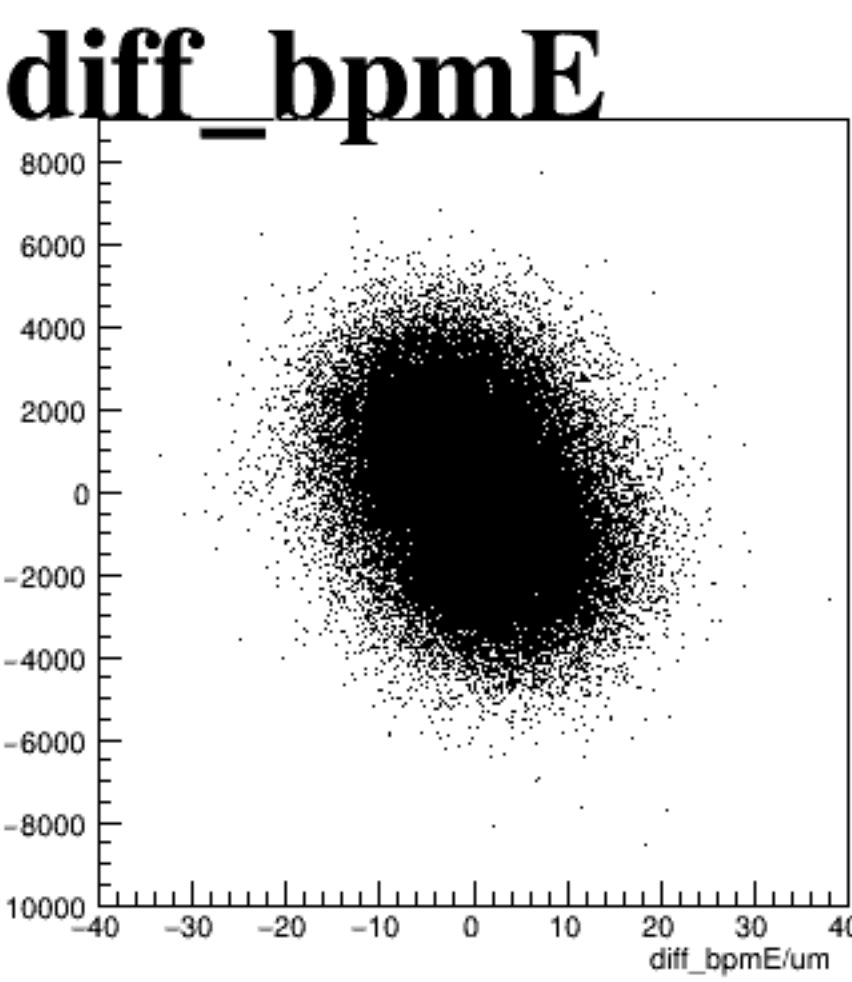
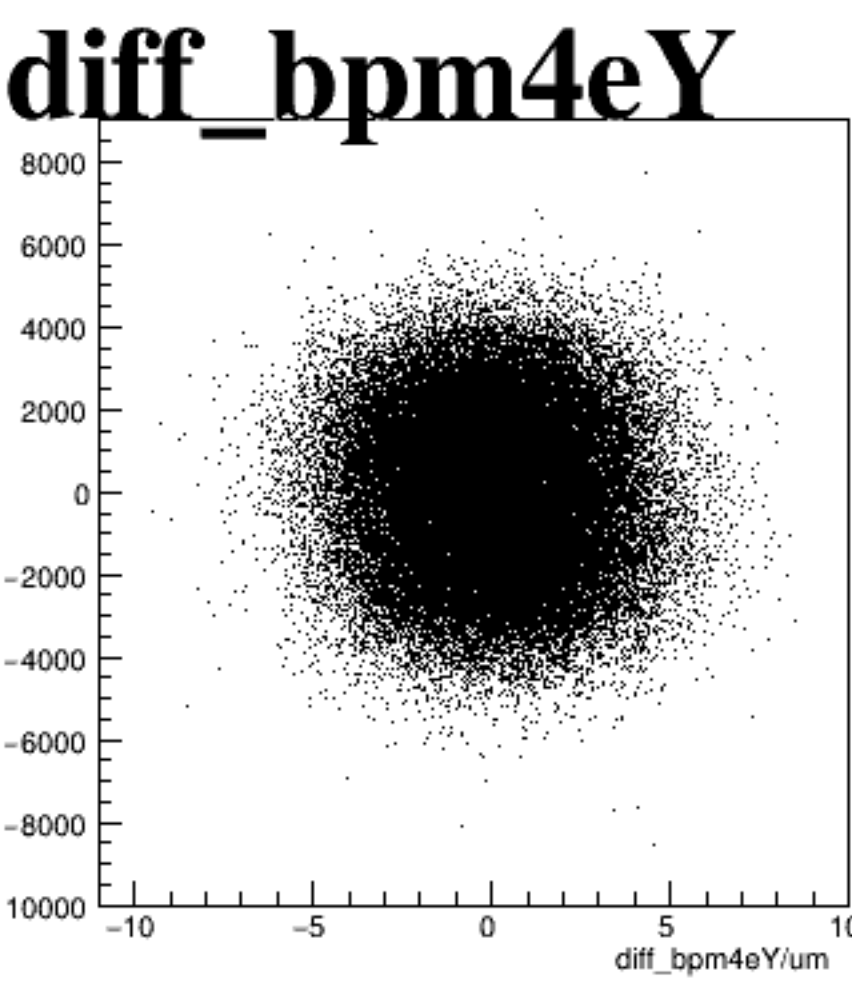
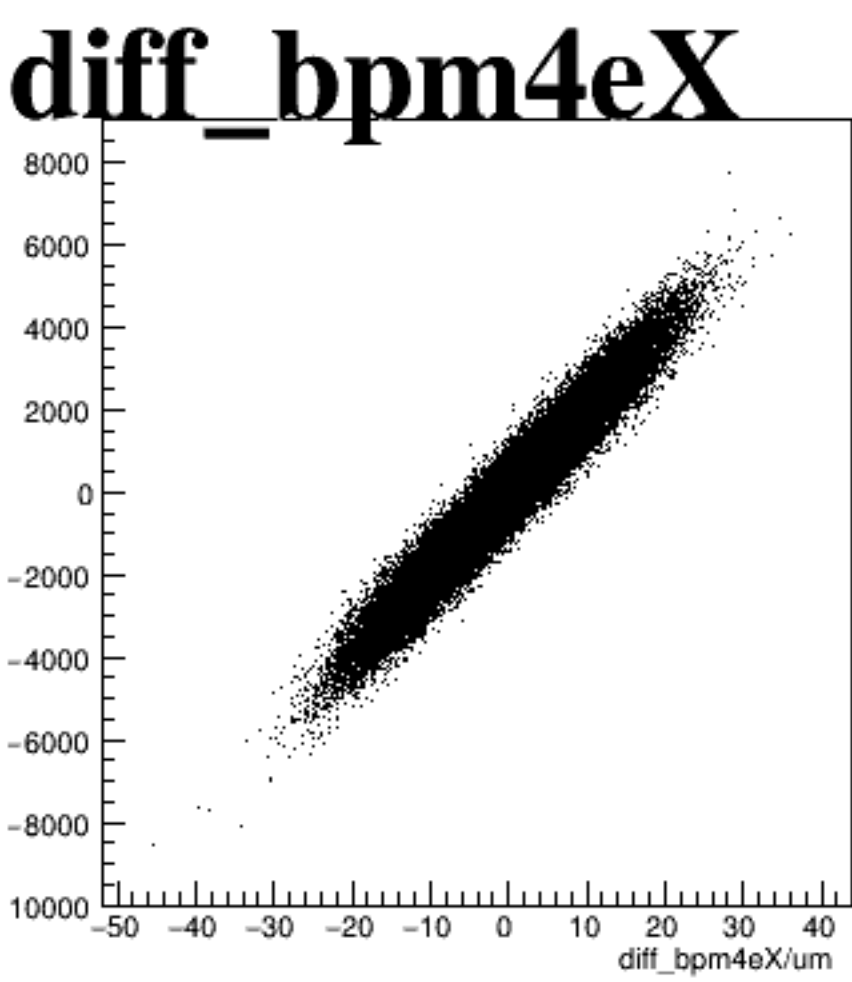
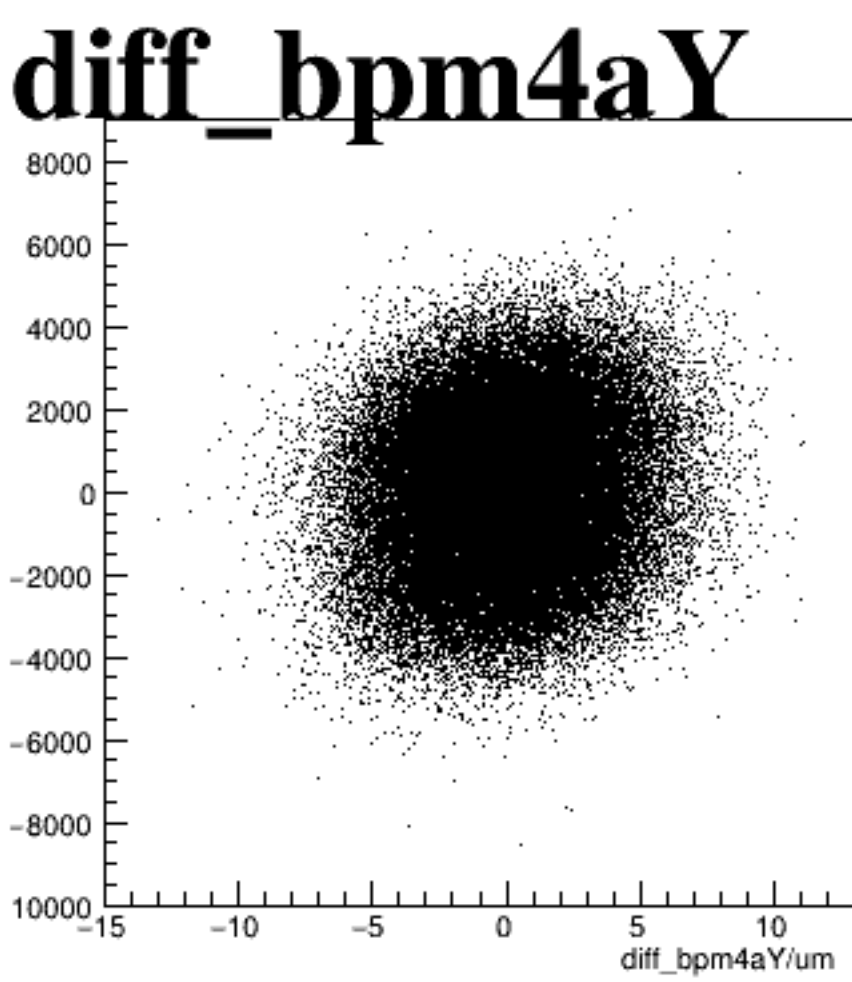
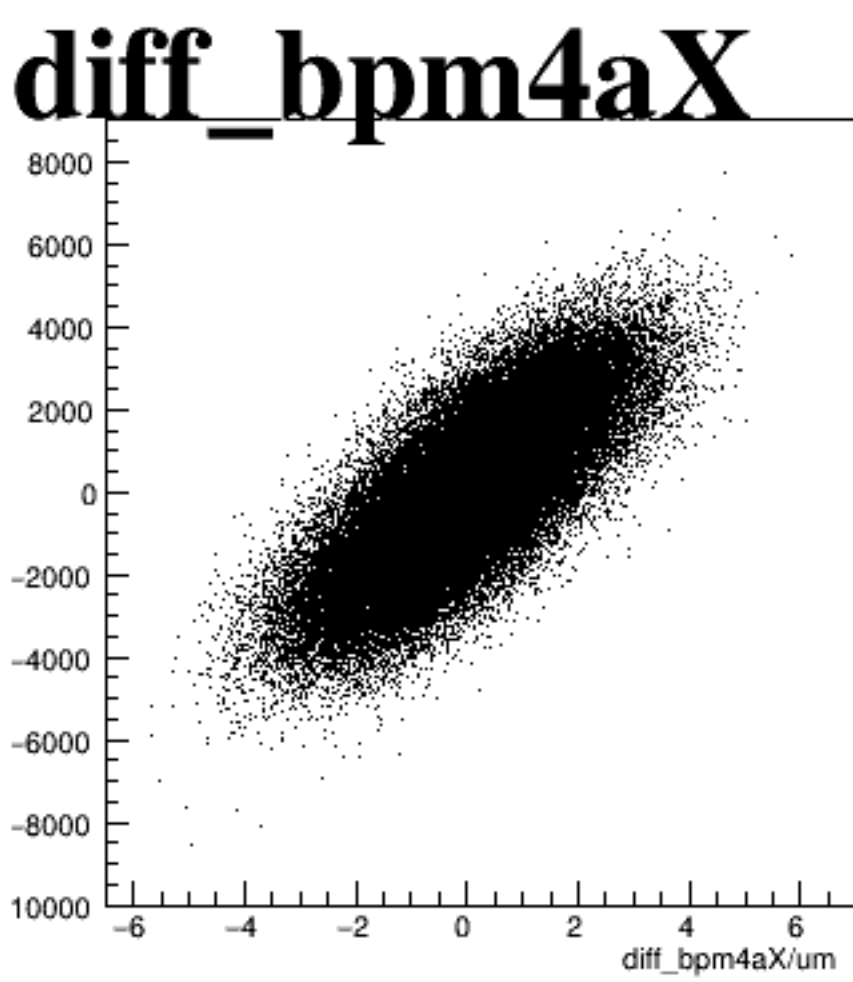
asym_sam2



asym_sam4



asym_sam6



asym_sam8

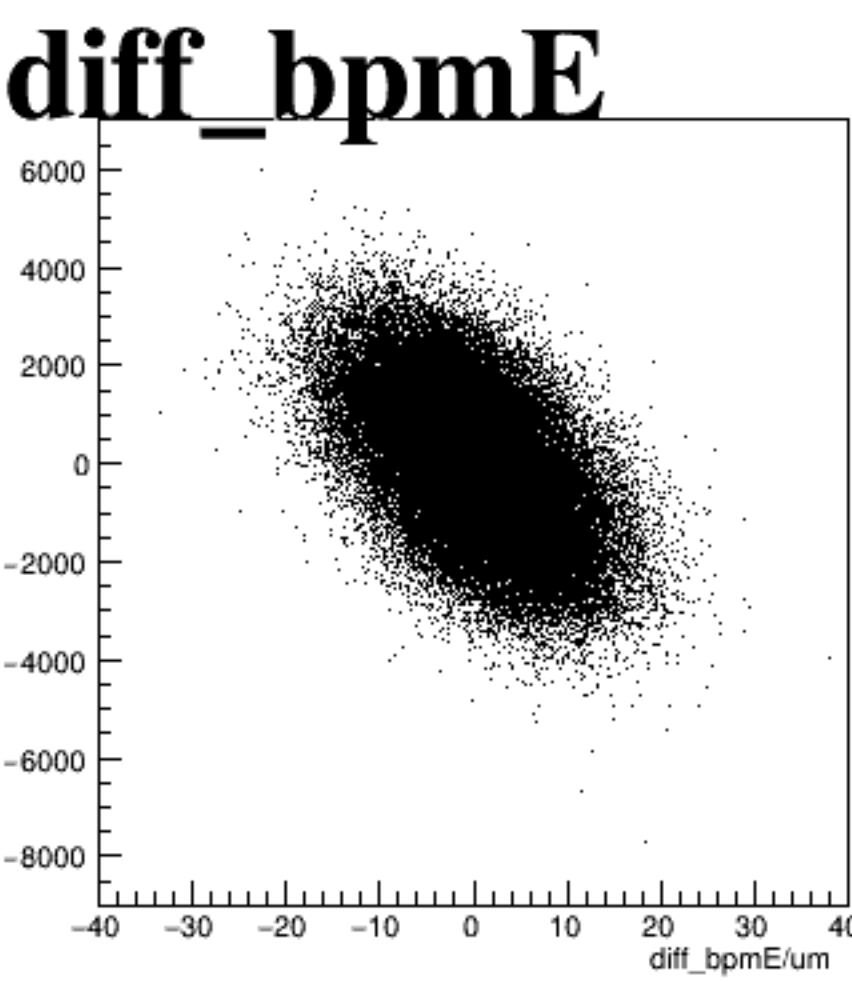
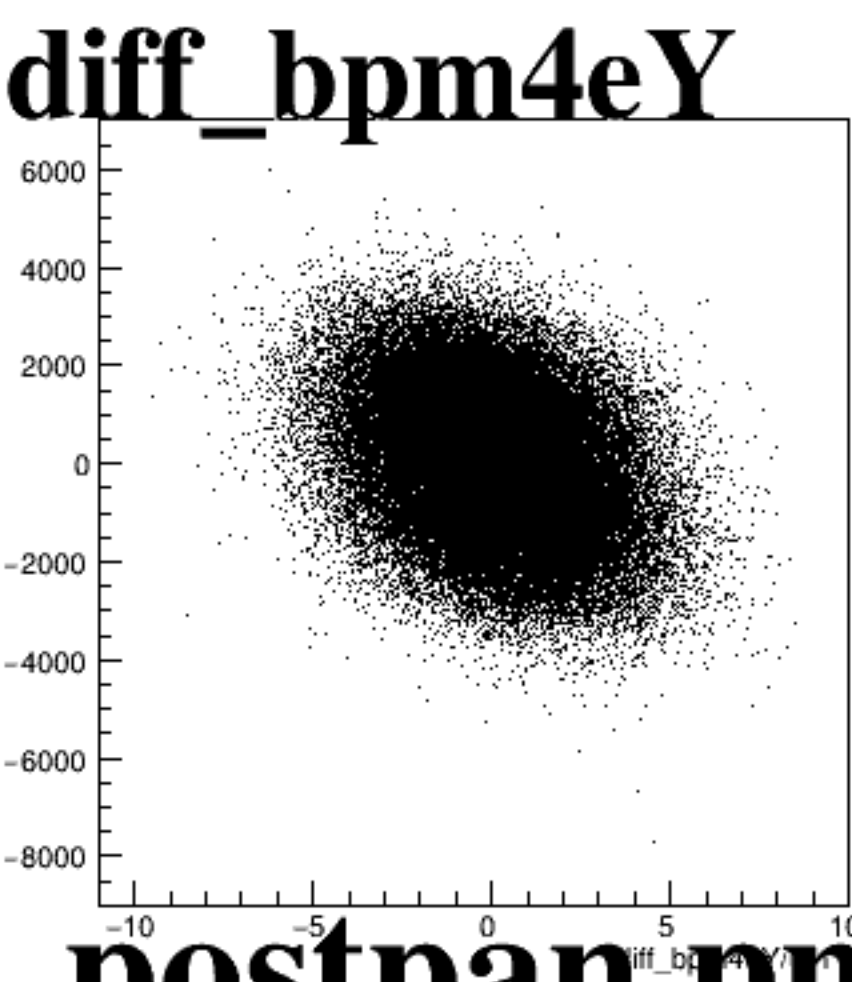
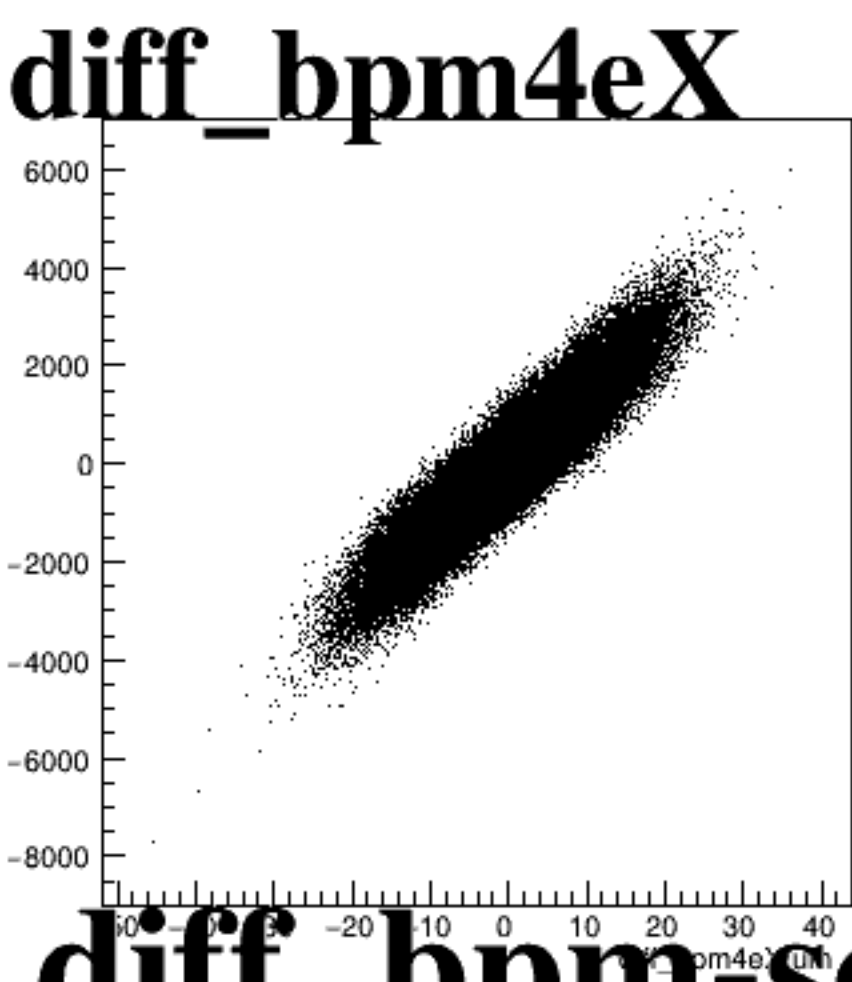
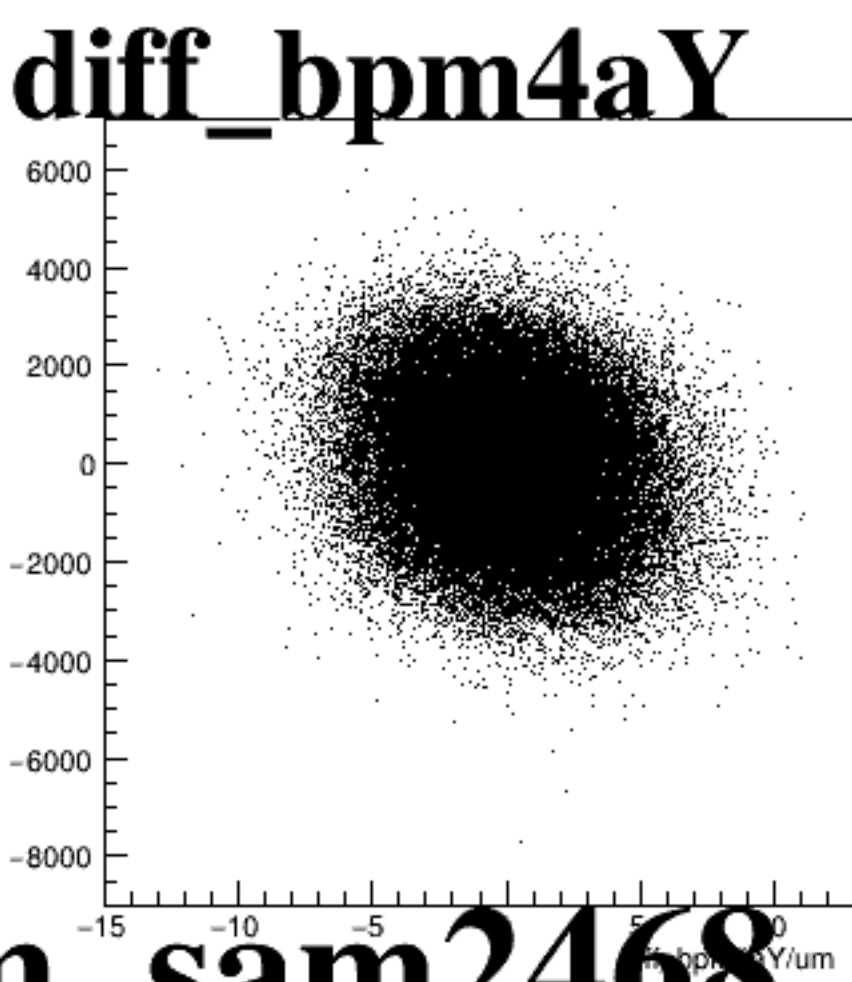
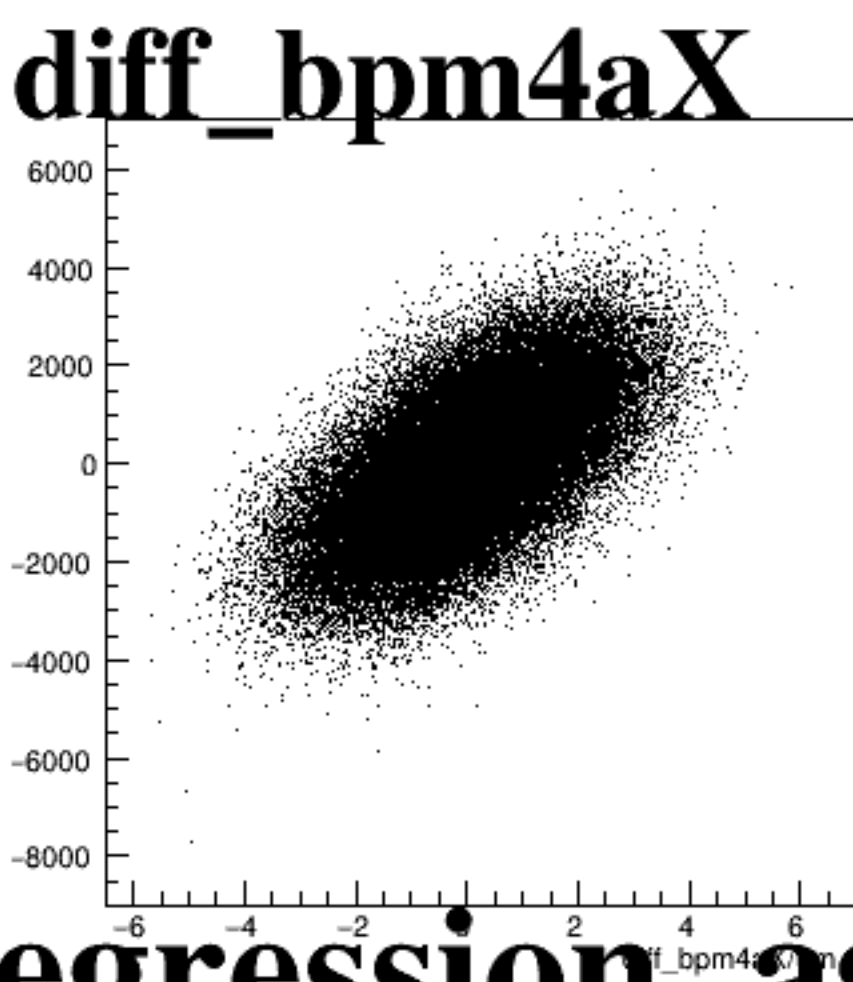
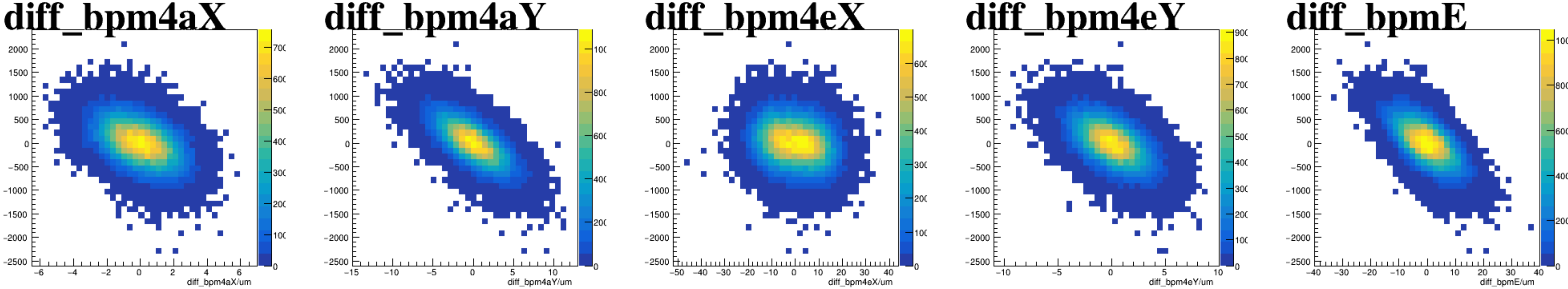


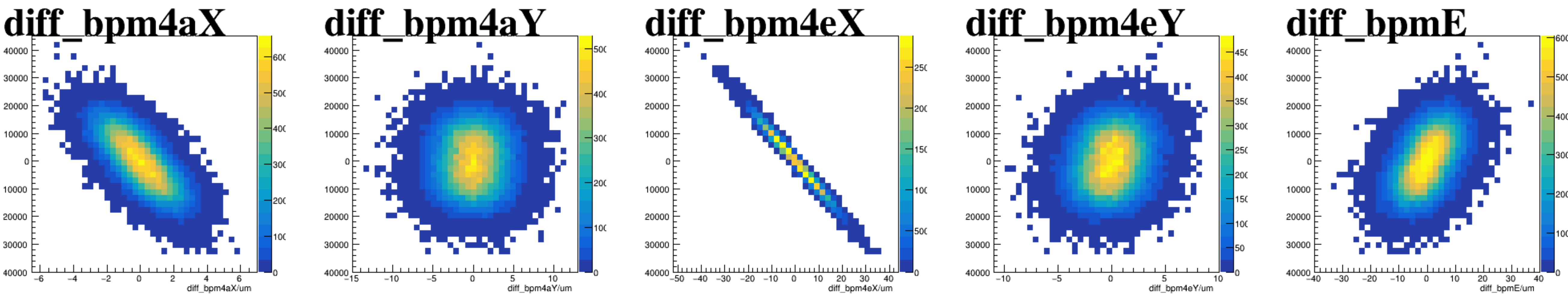
Figure 1 displays five scatter plots showing the distribution of difference vectors for different beam position monitors (BPMs). The y-axis for all plots ranges from -4000 to 4000. The x-axis ranges are: diff_bpm4aX/um (-6 to 6), diff_bpm4aY/um (-15 to 10), diff_bpm4eX/um (-50 to 40), diff_bpm4eY/um (-10 to 10), and diff_bpmE/um (-40 to 40). The distributions are roughly circular and centered at the origin.

run4754_000_regression_reg_sam2468_vs_diff_bpm-scat_postpan.png

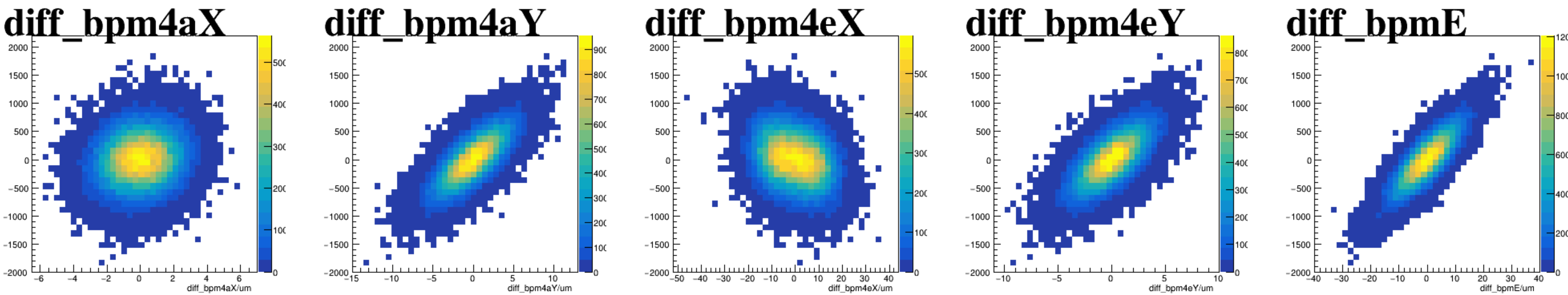
asym_sam1



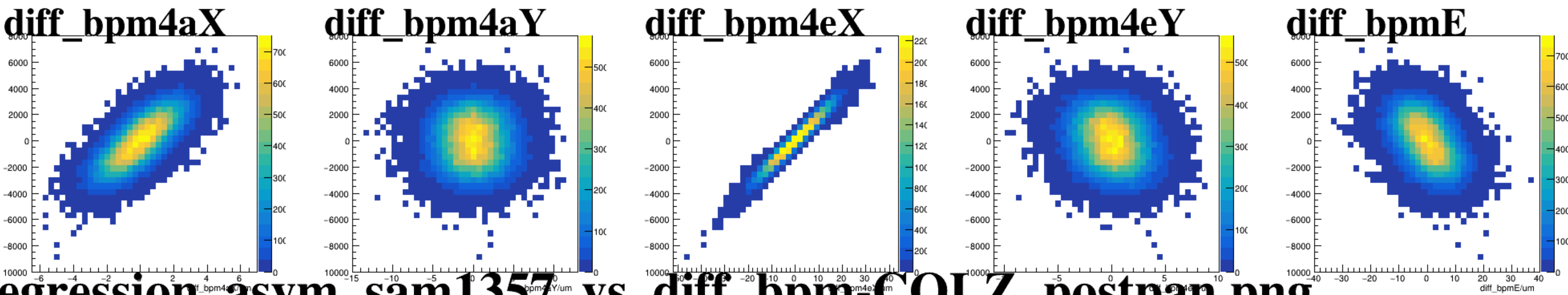
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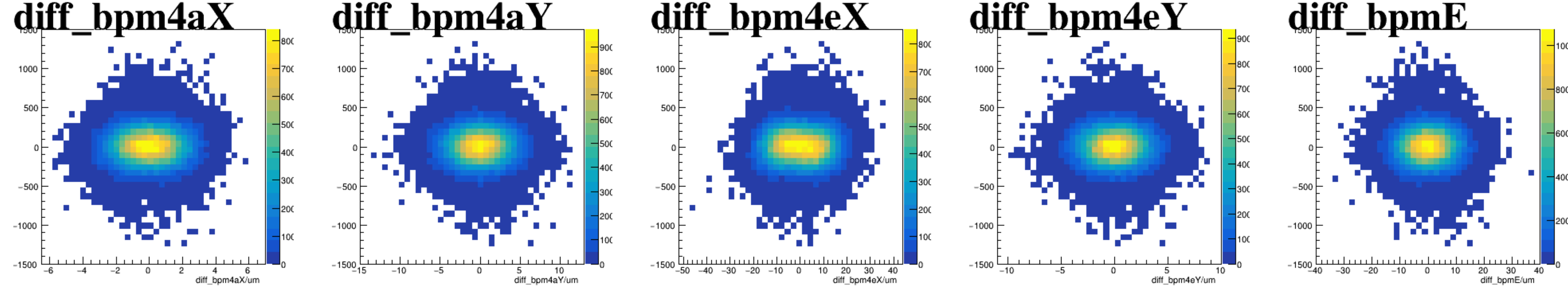
asym_sam5



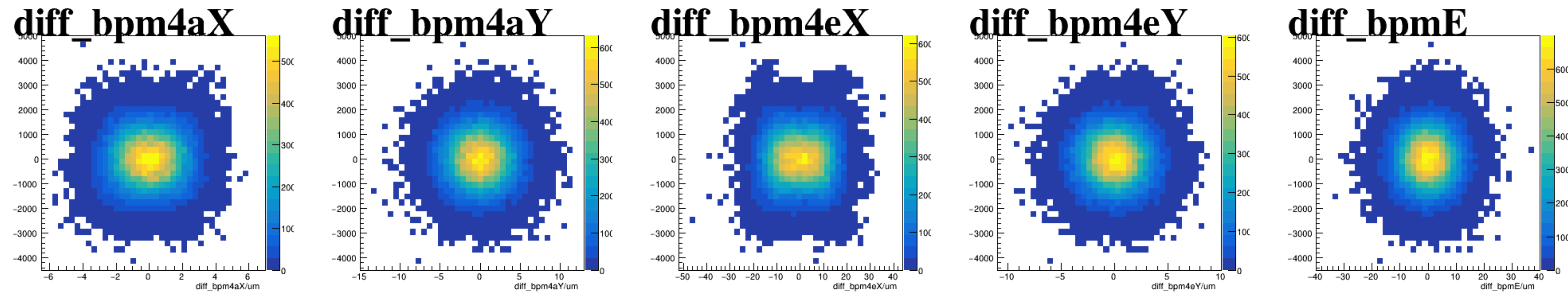
asym_sam7



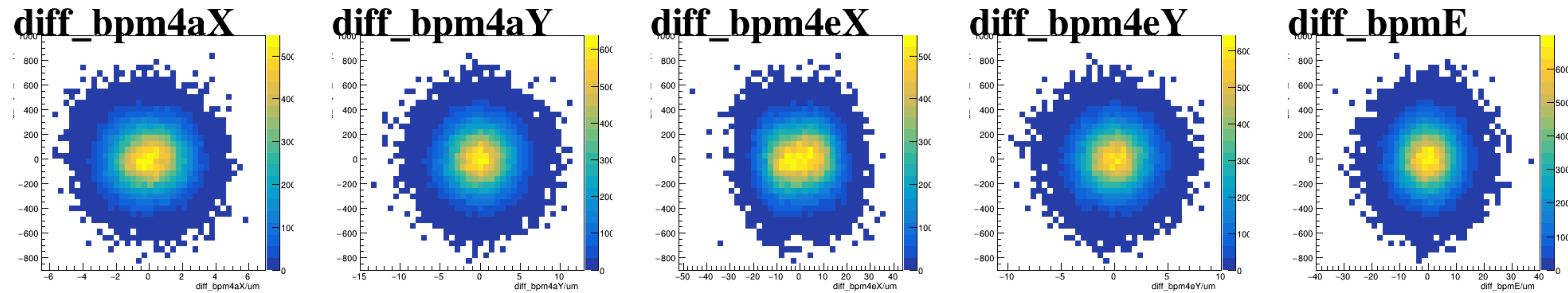
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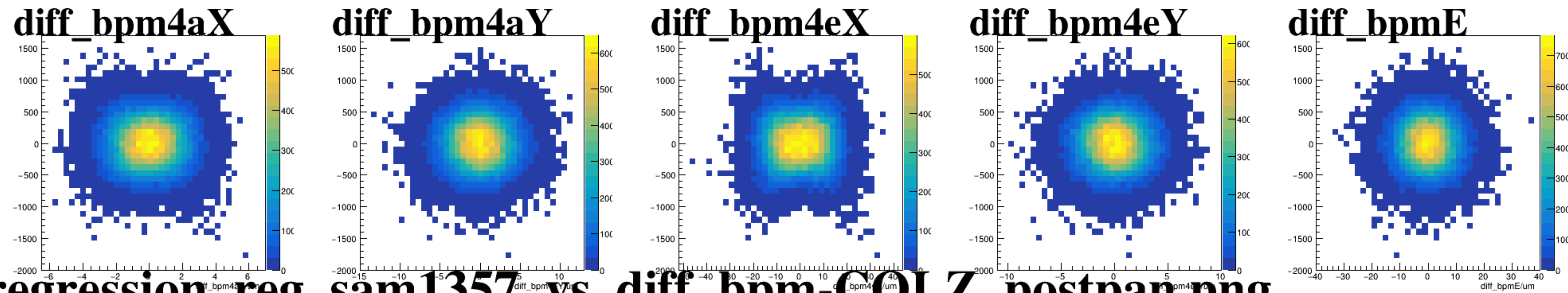
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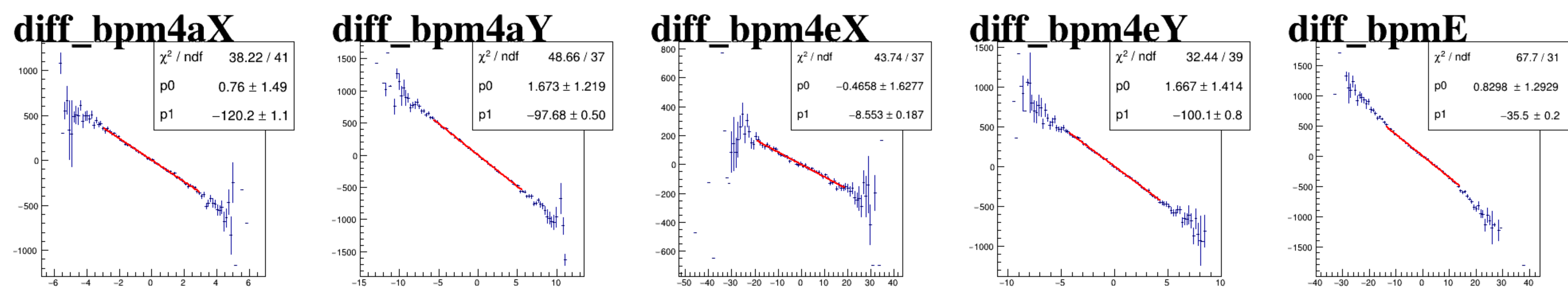
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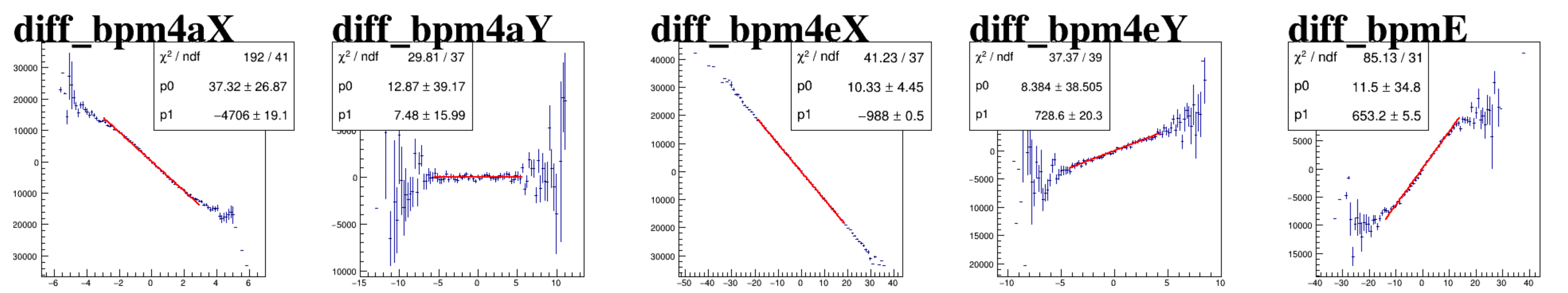
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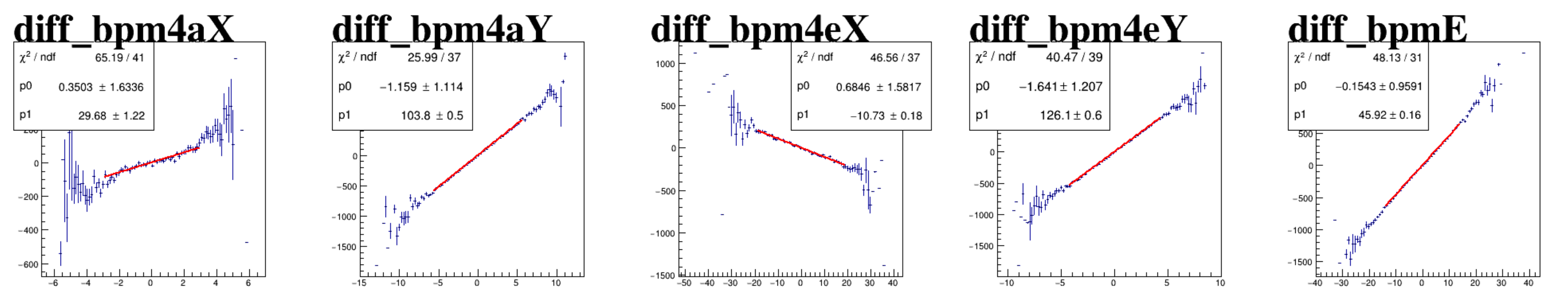
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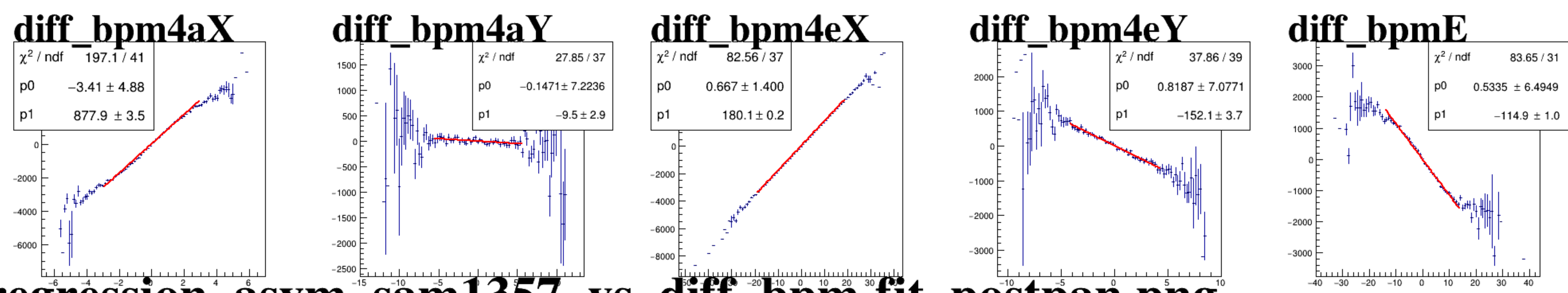
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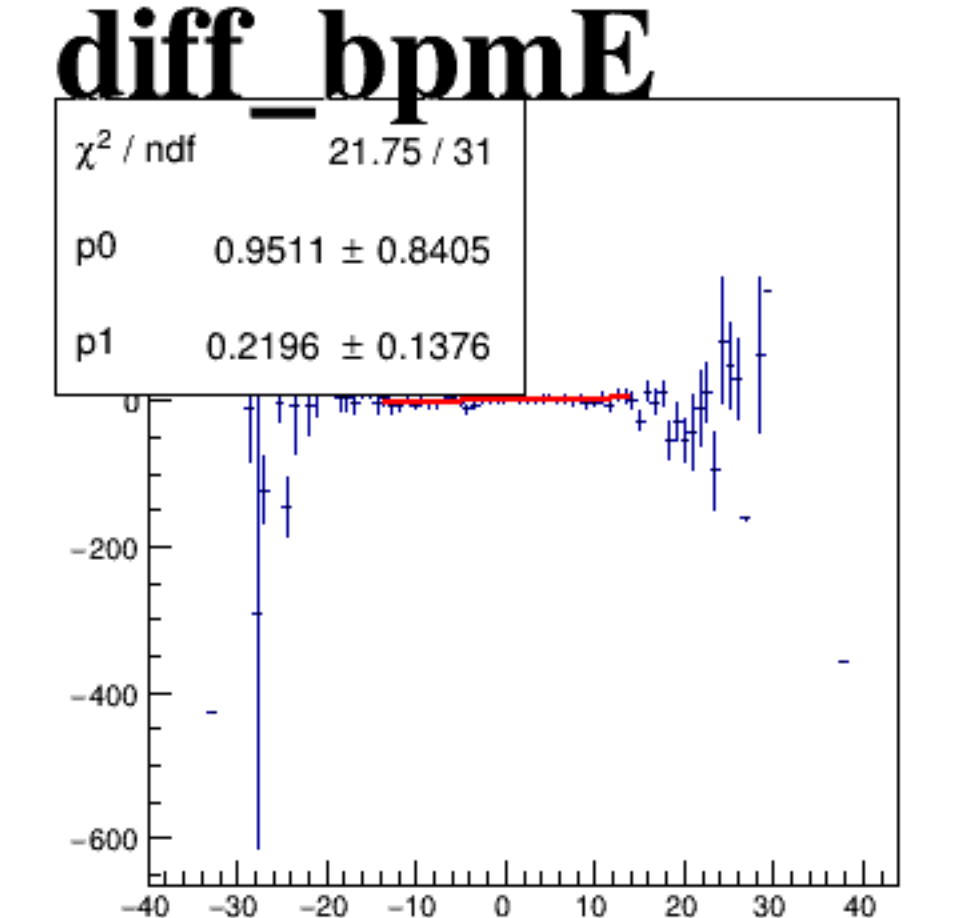
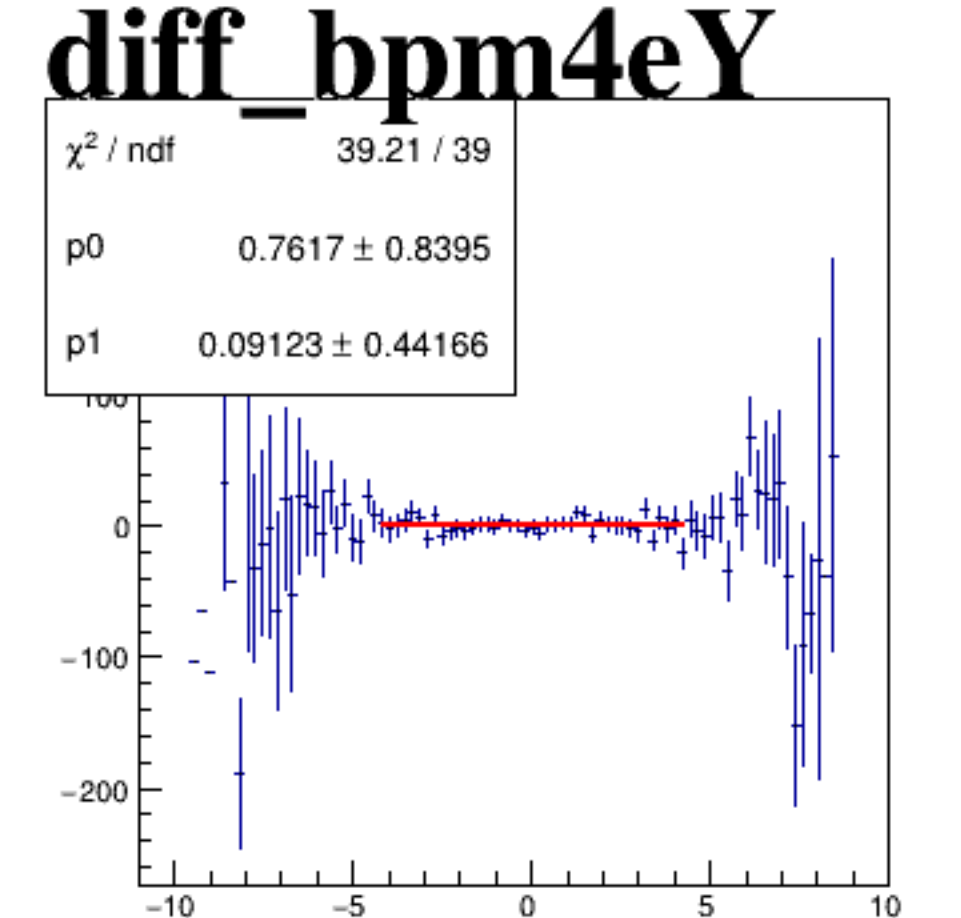
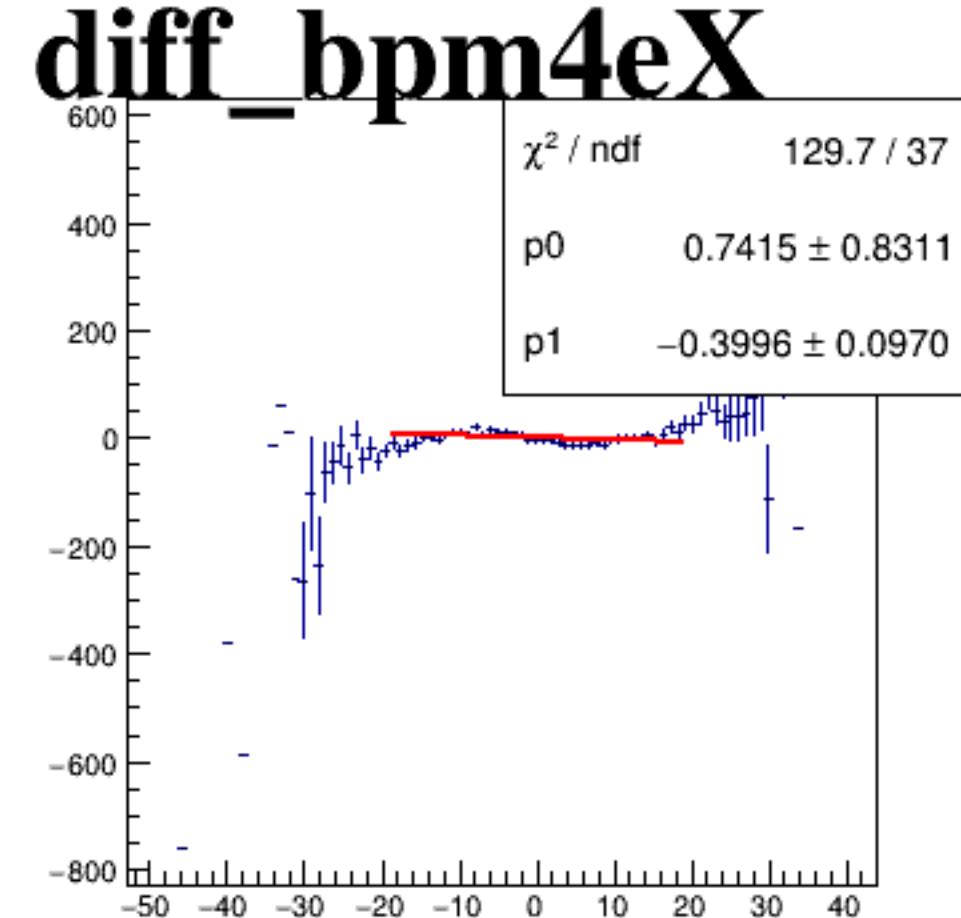
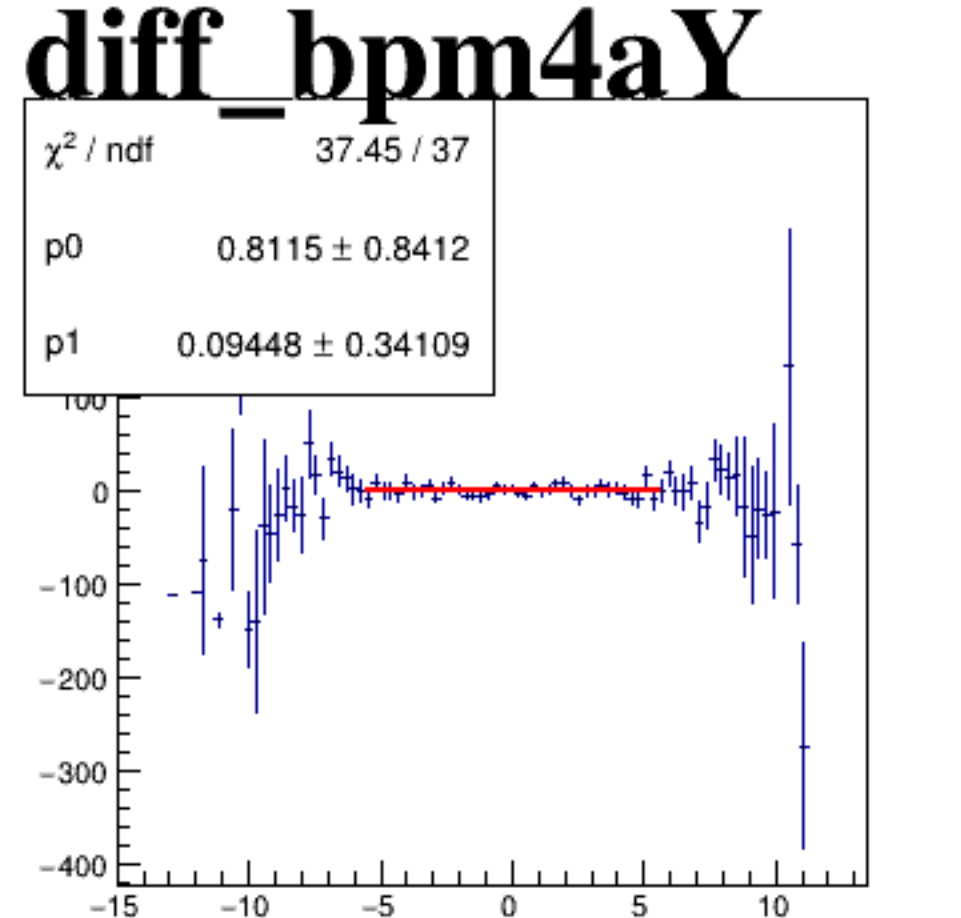
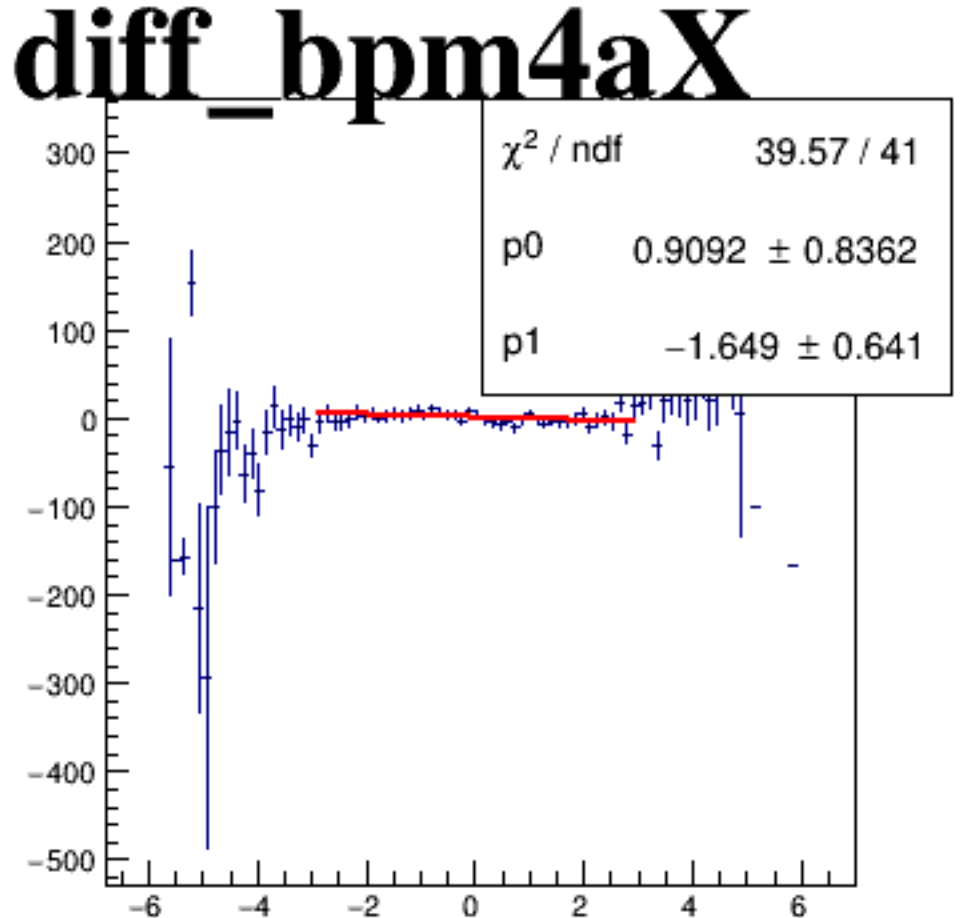
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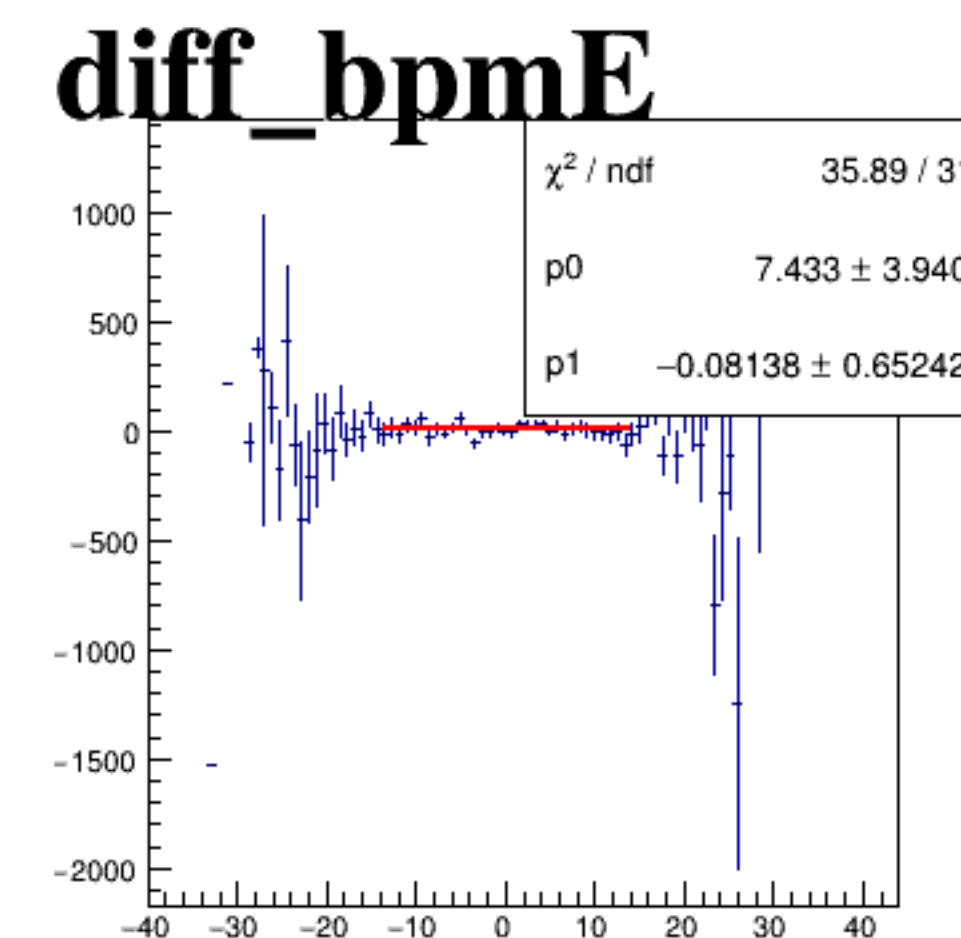
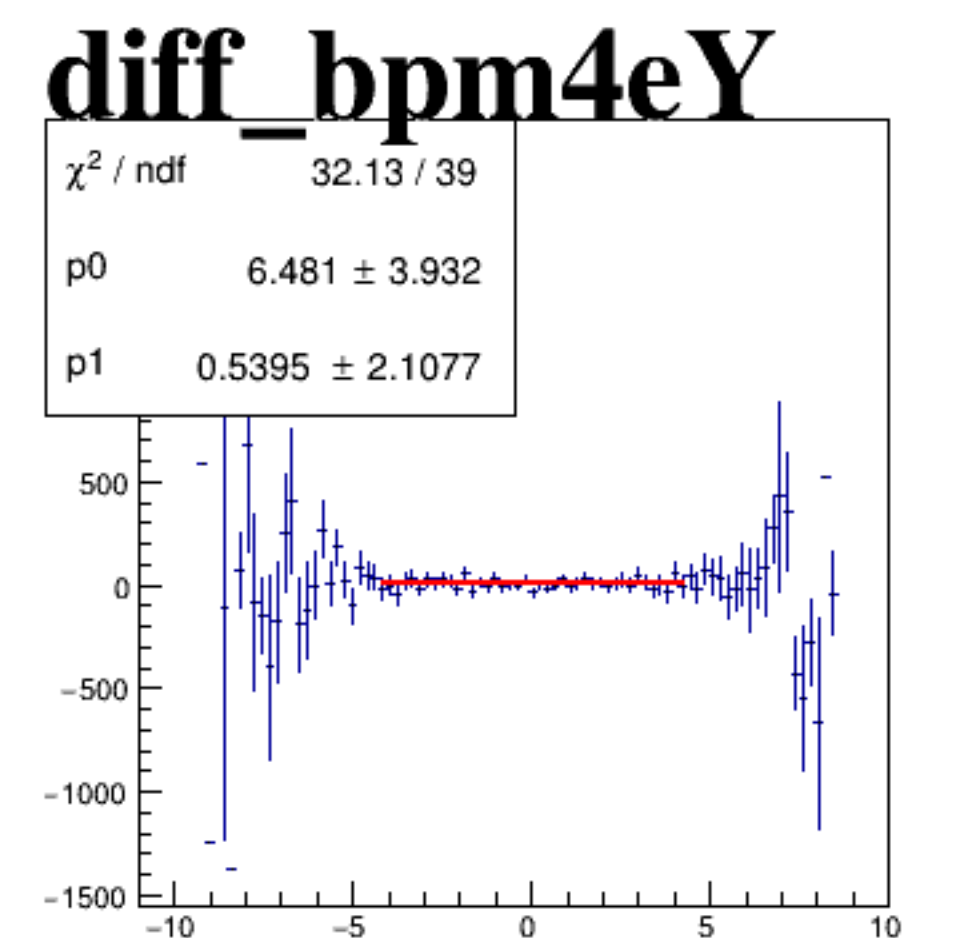
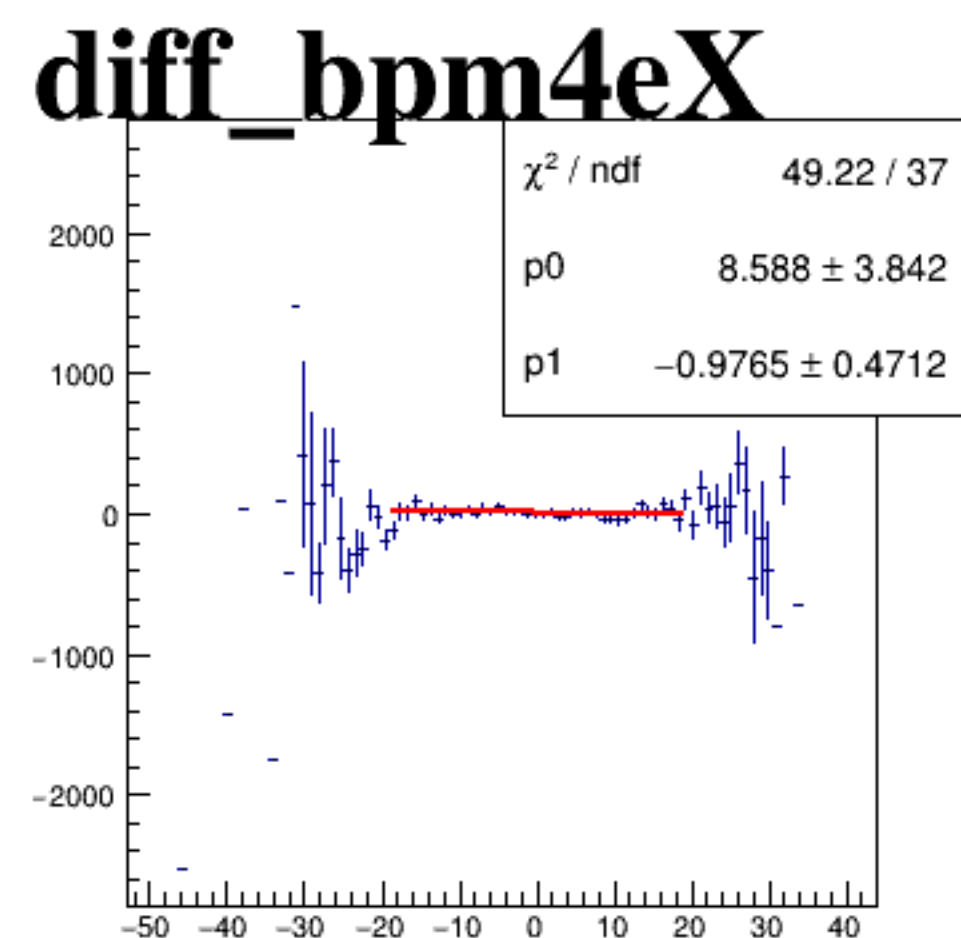
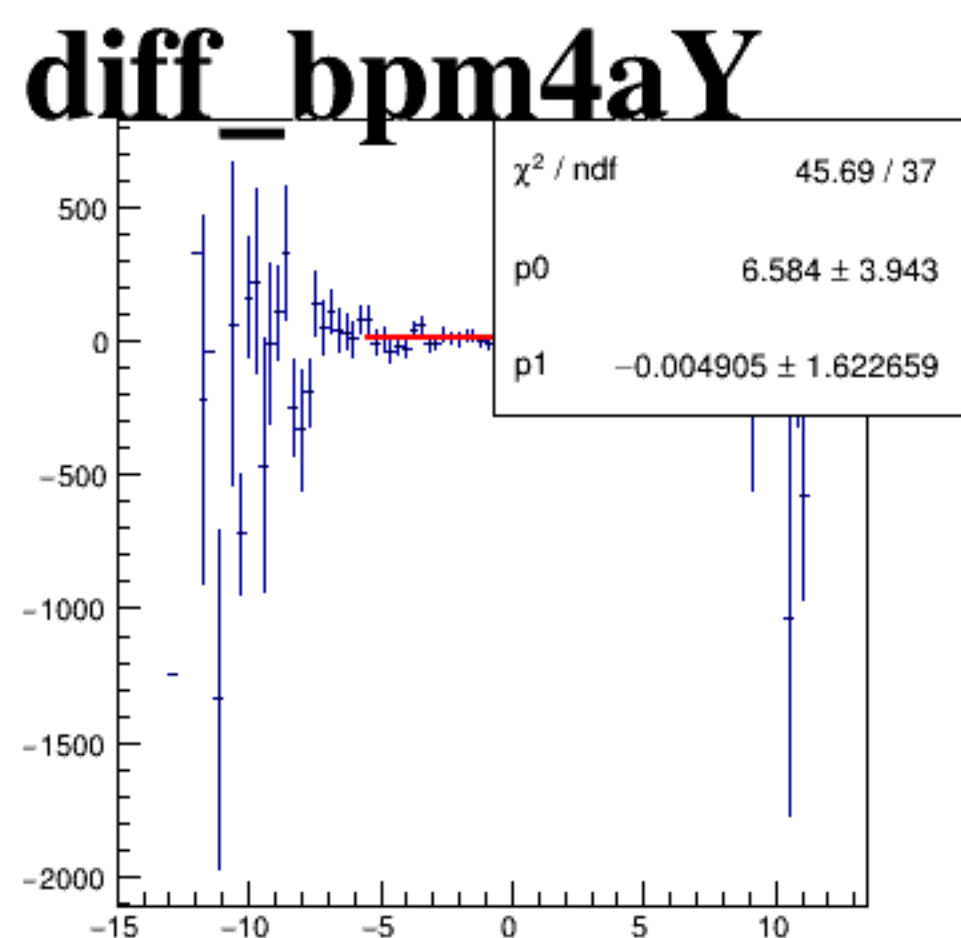
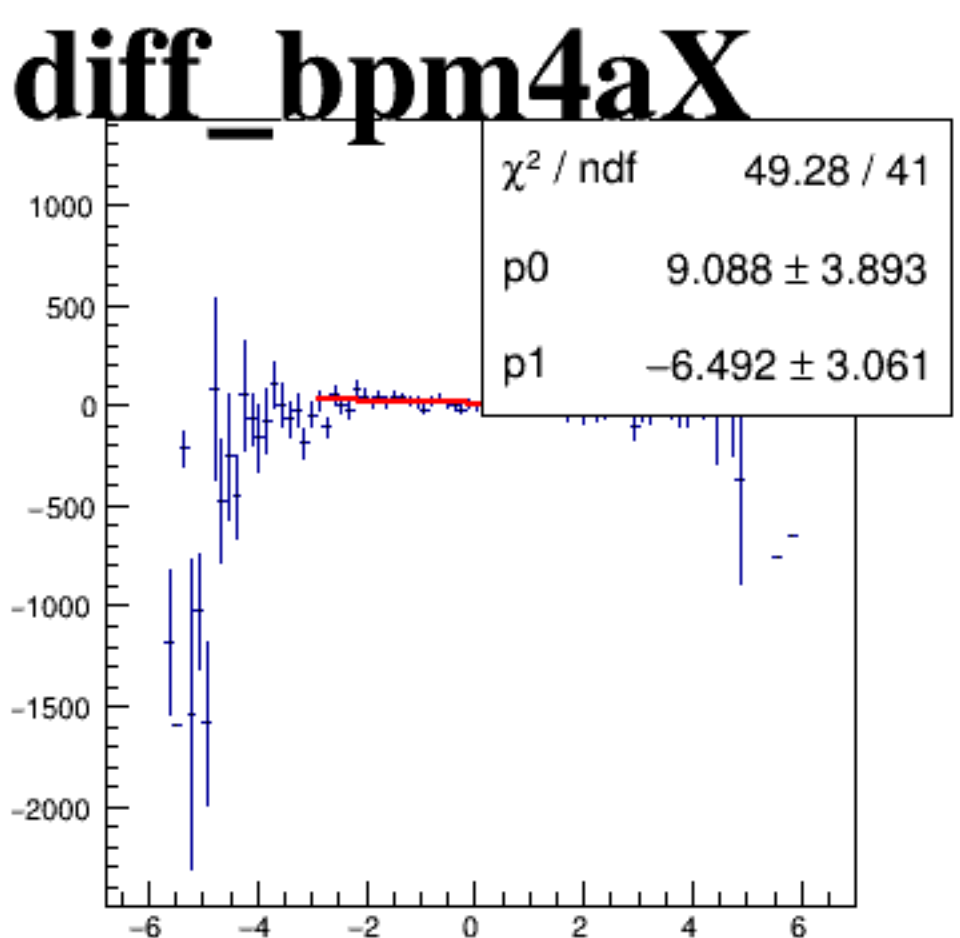
asym_sam7



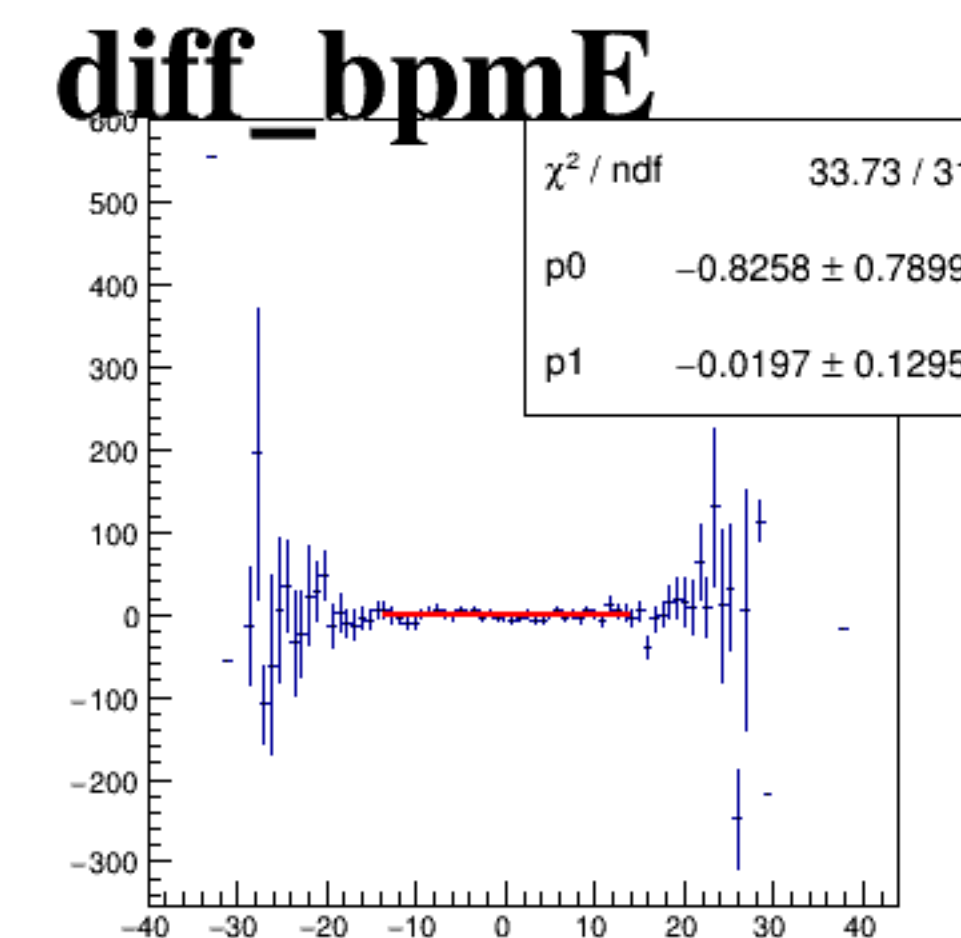
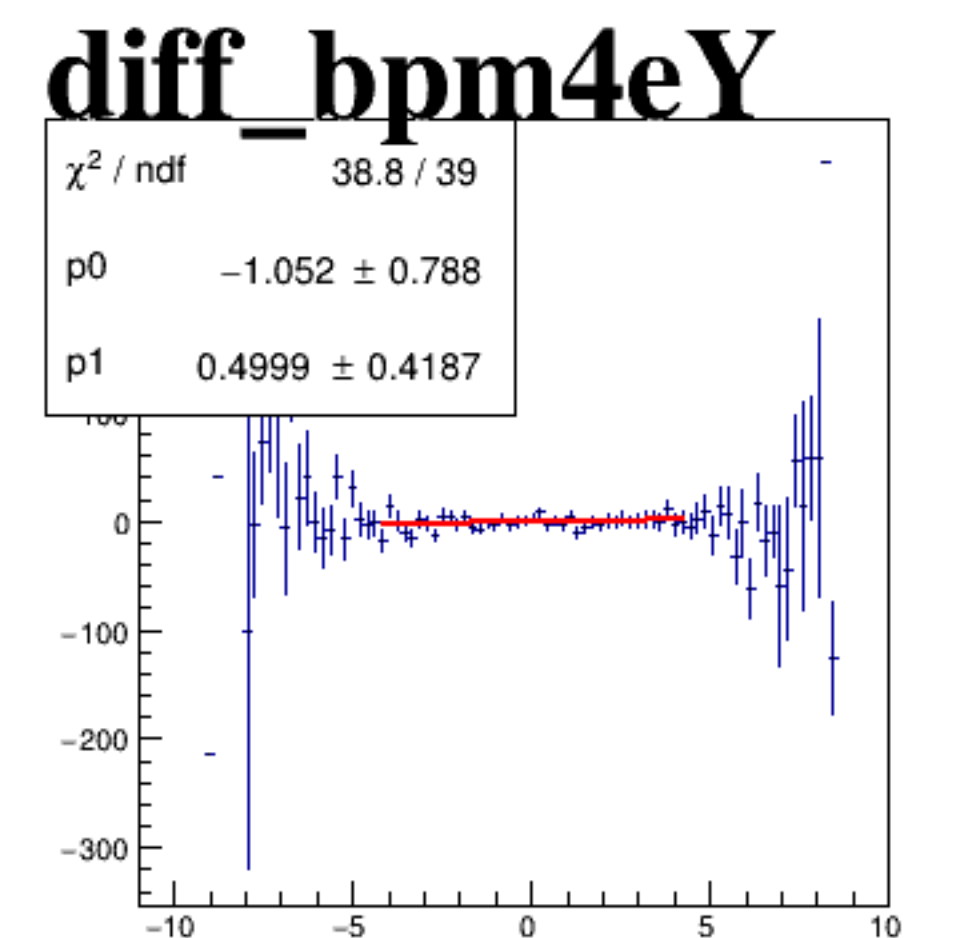
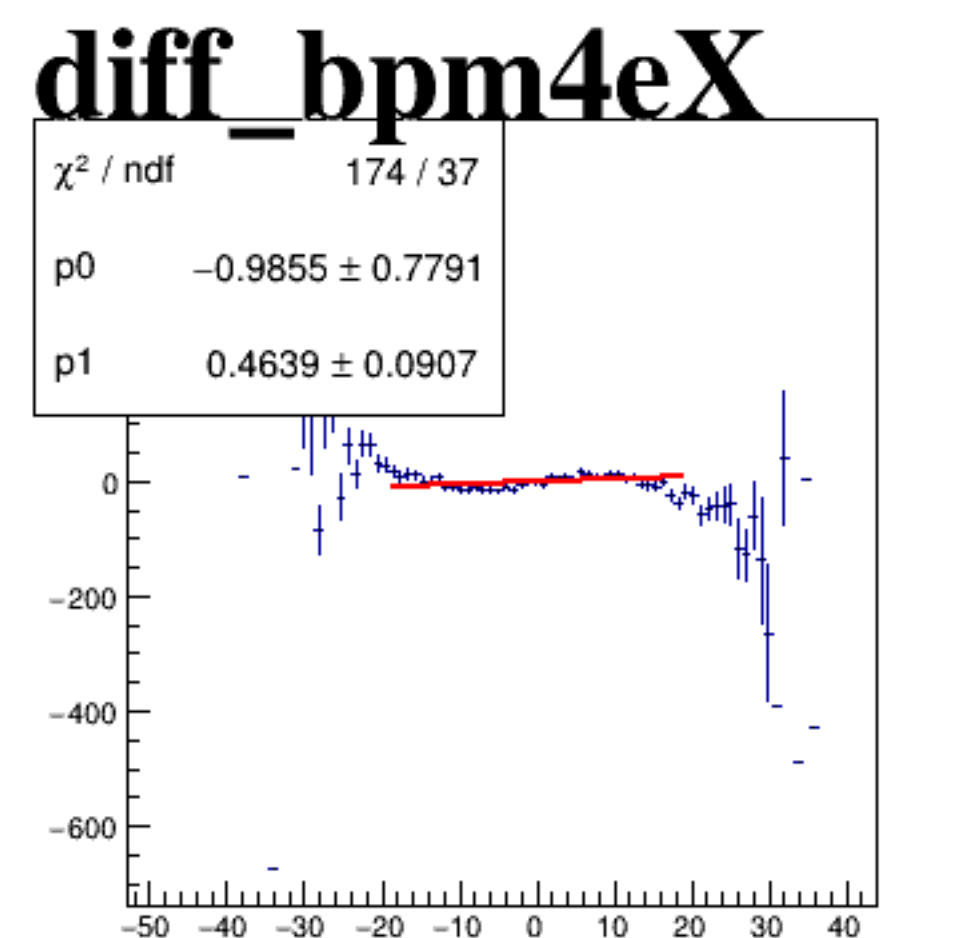
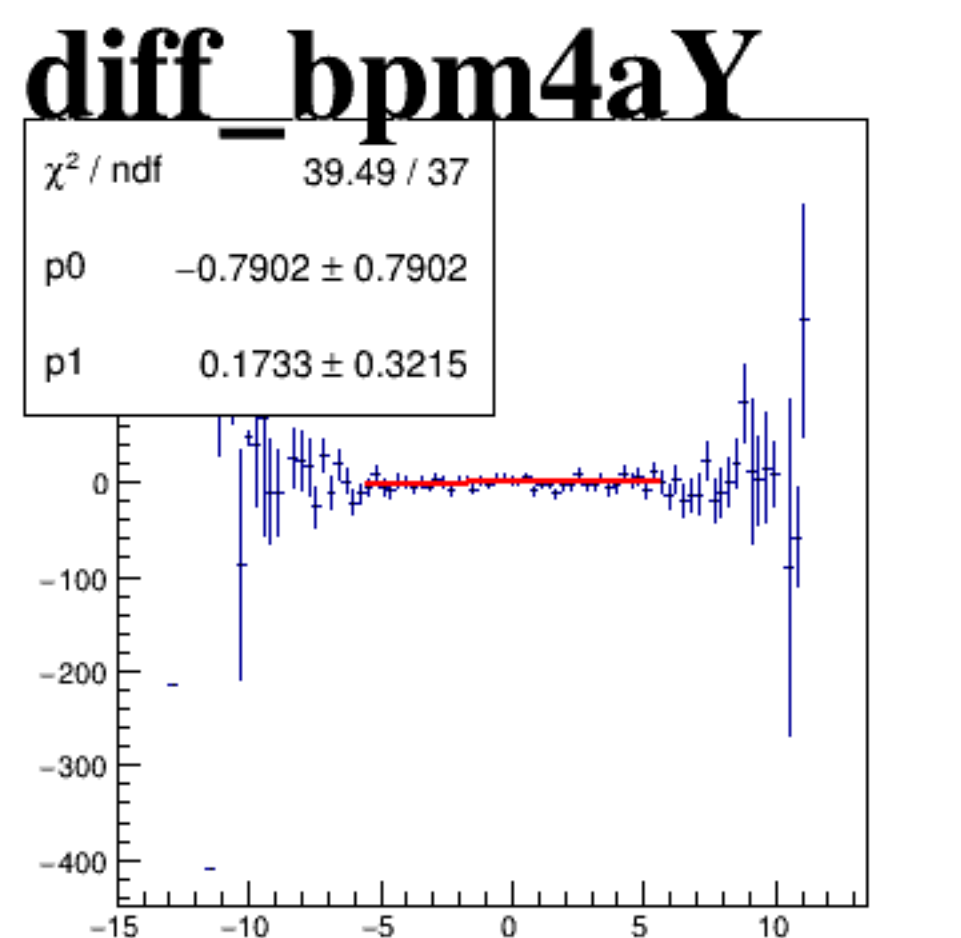
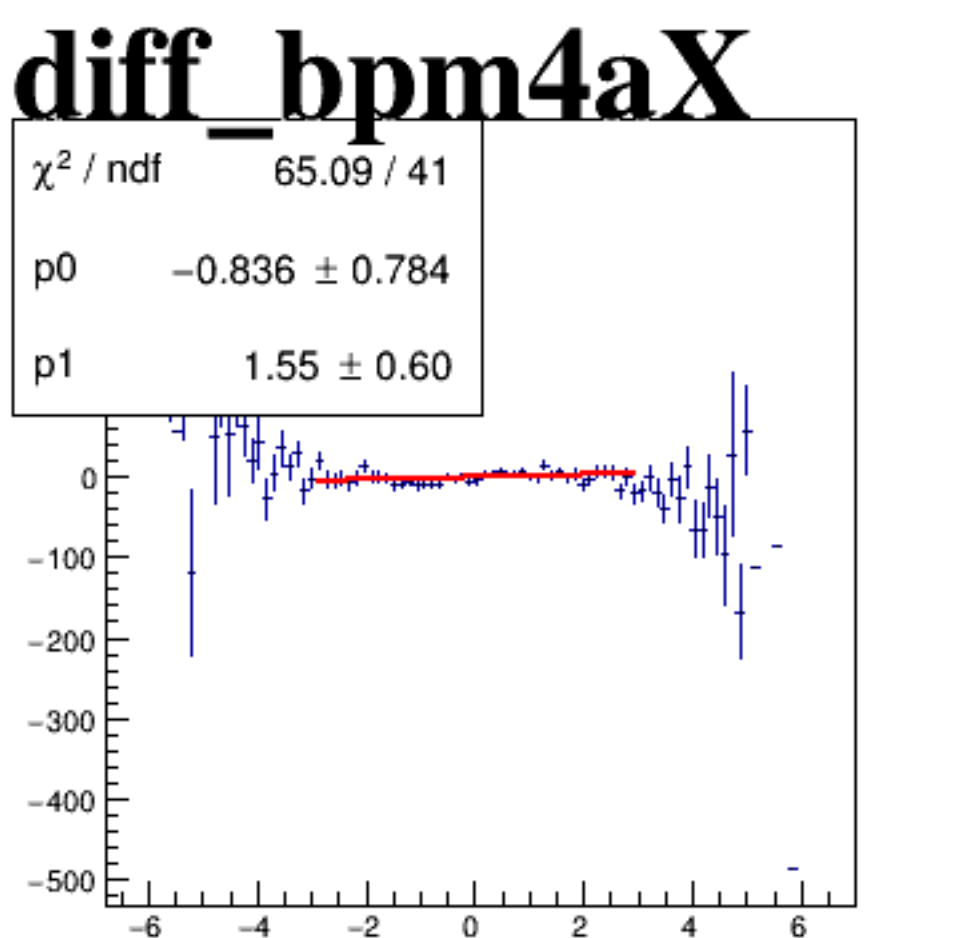
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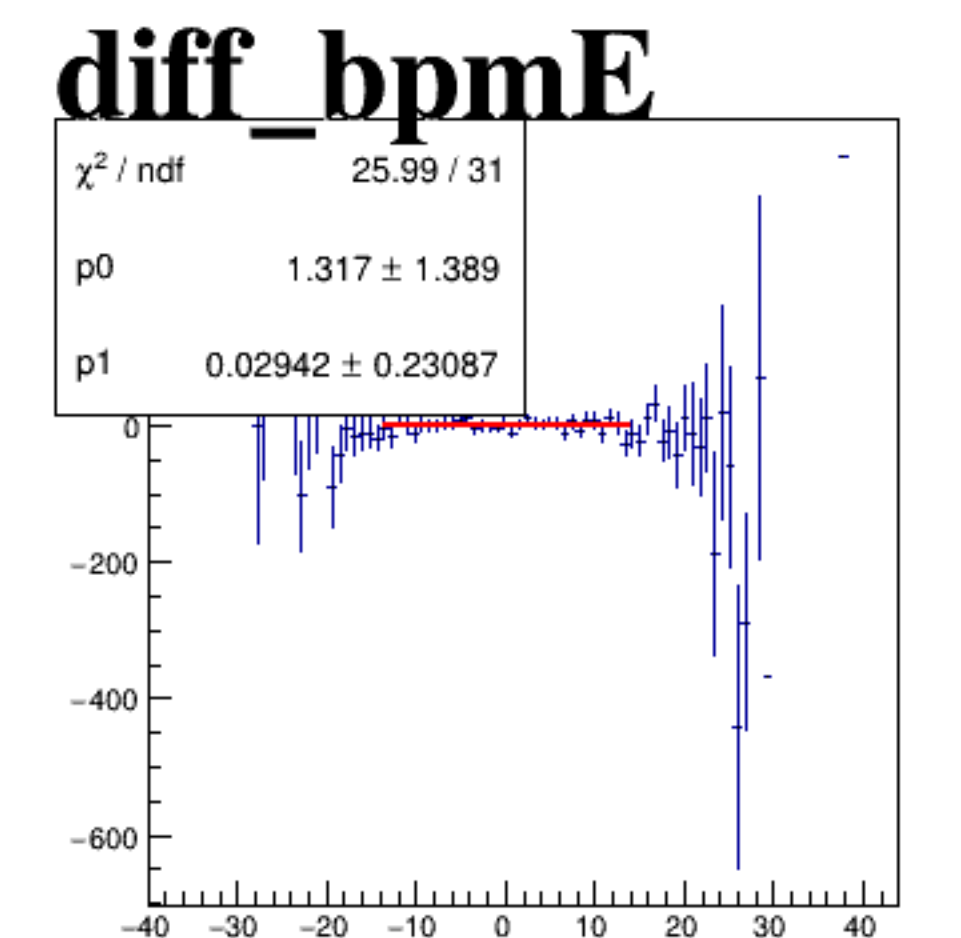
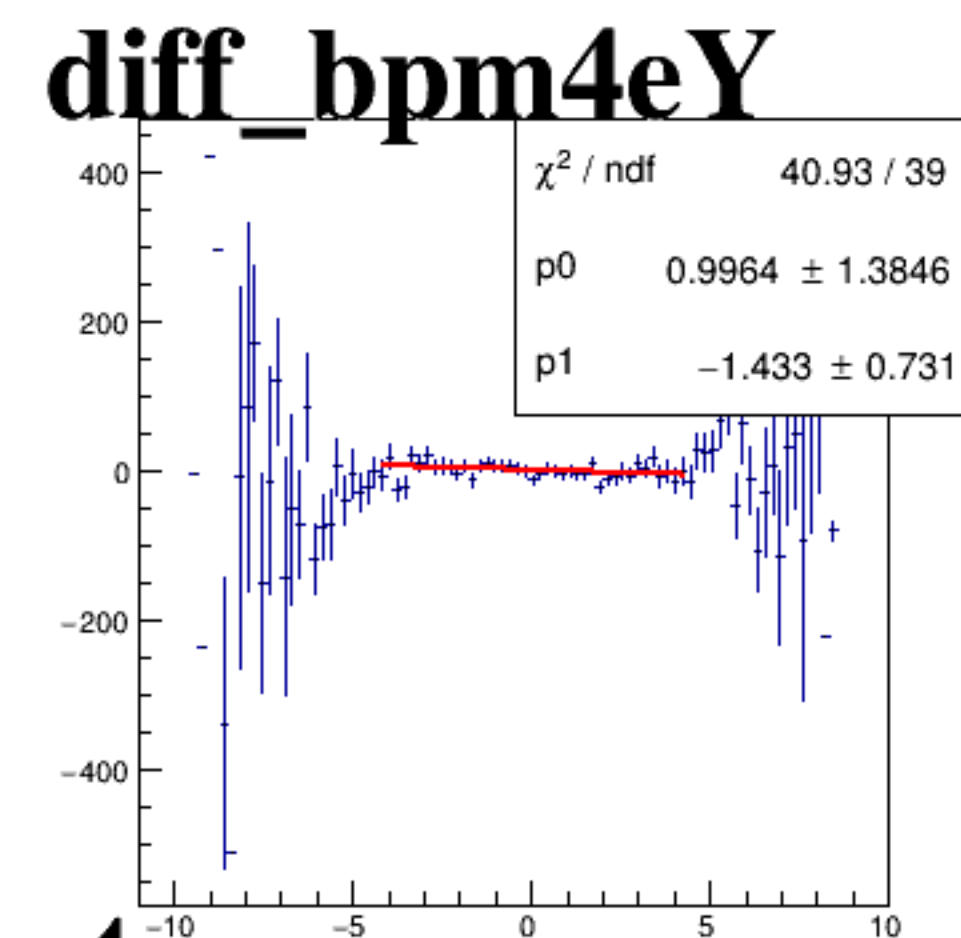
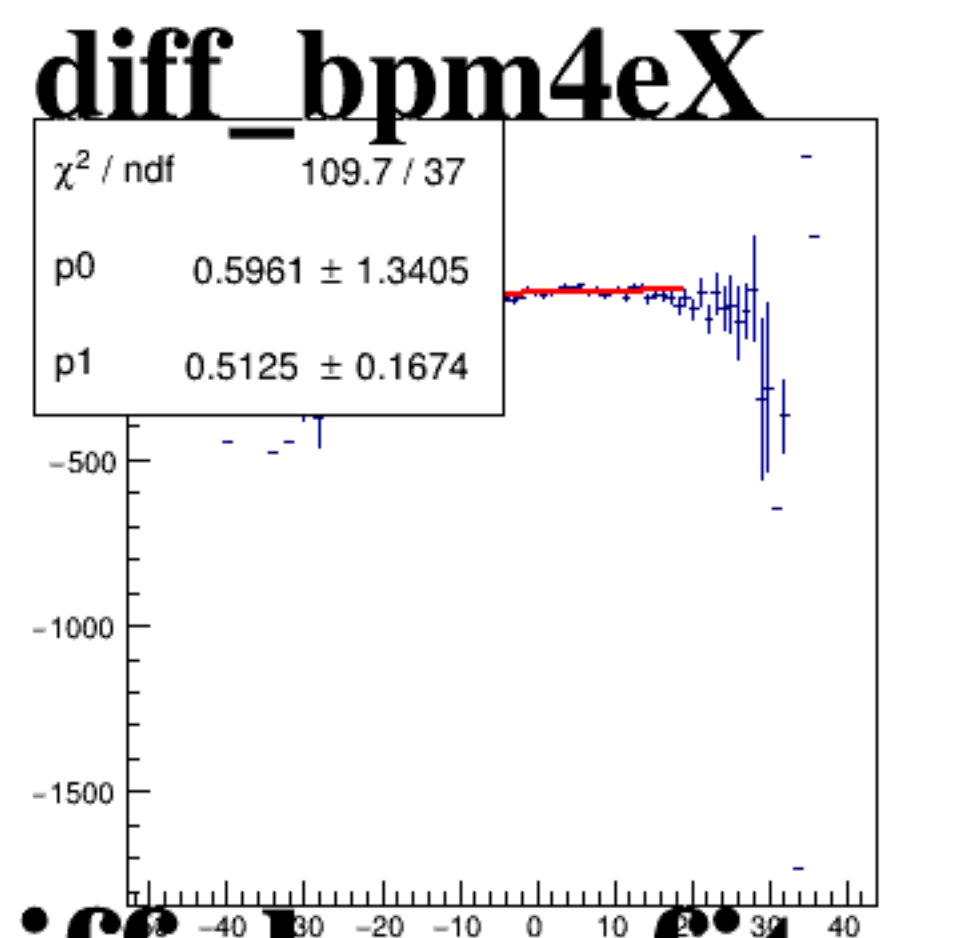
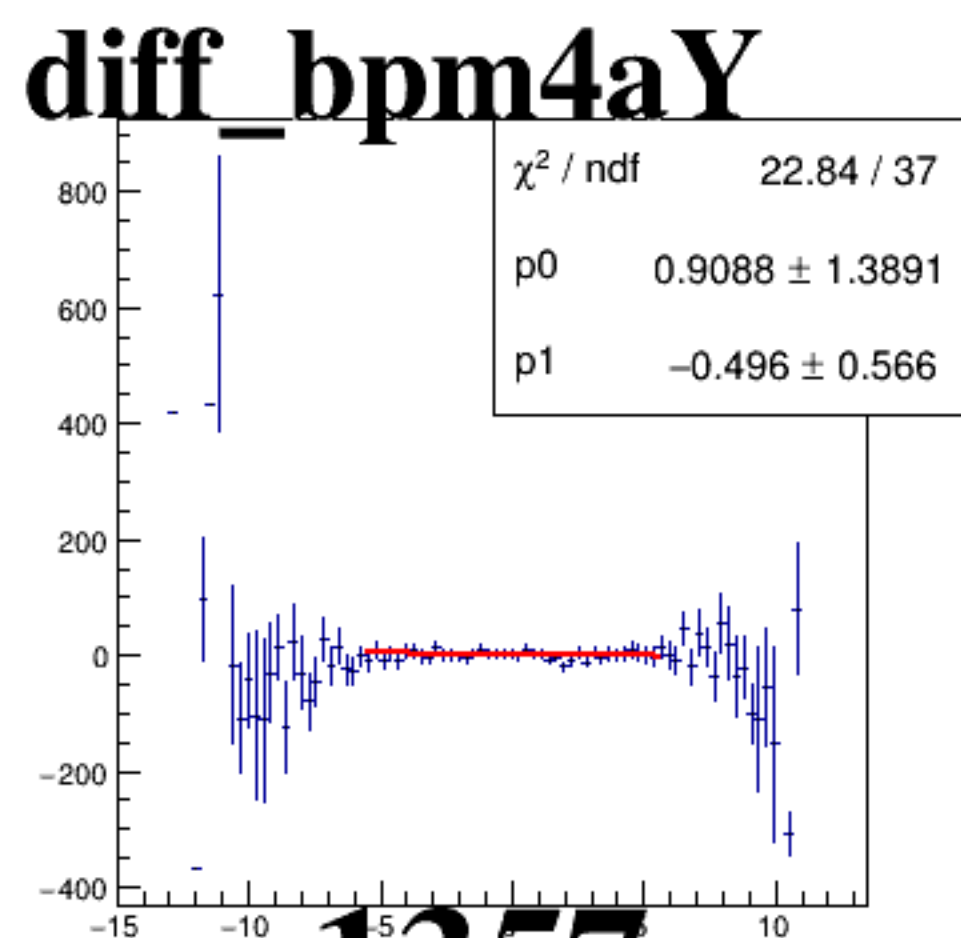
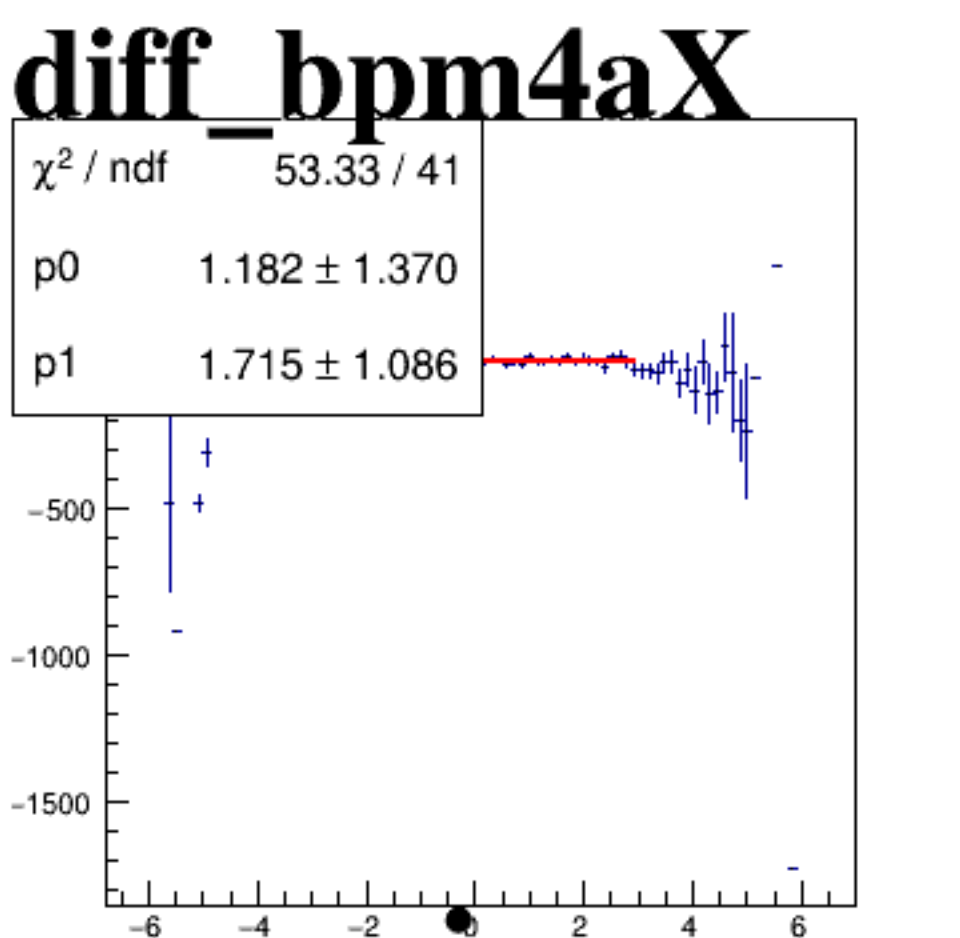
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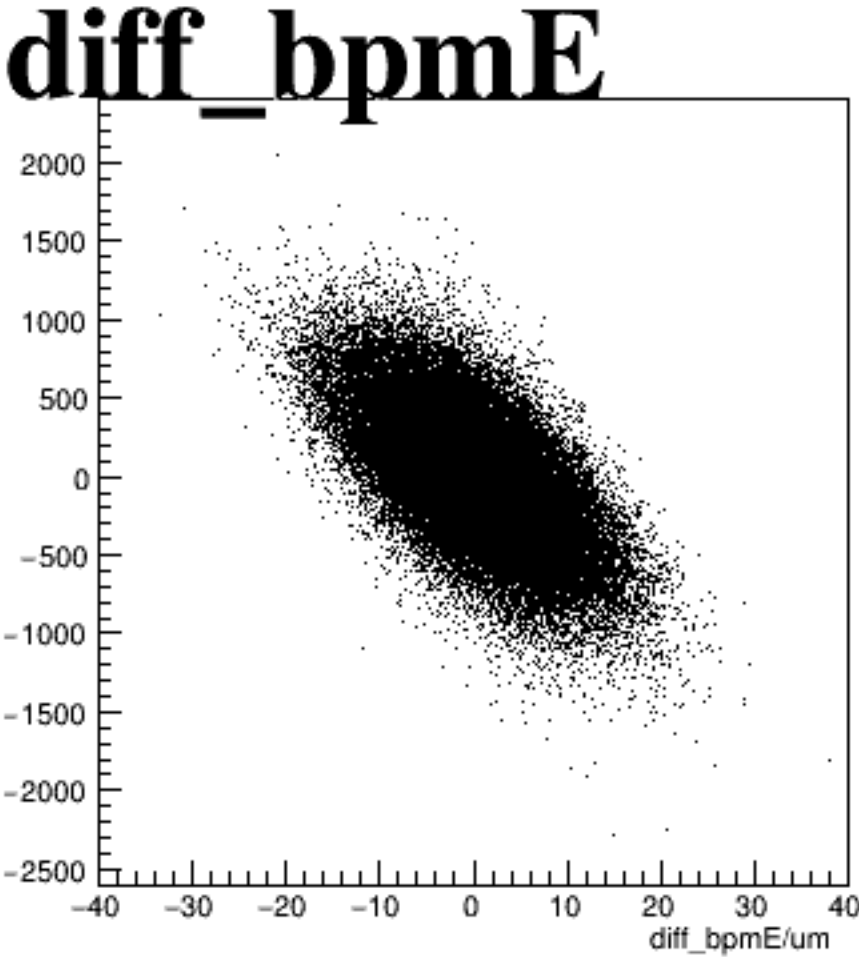
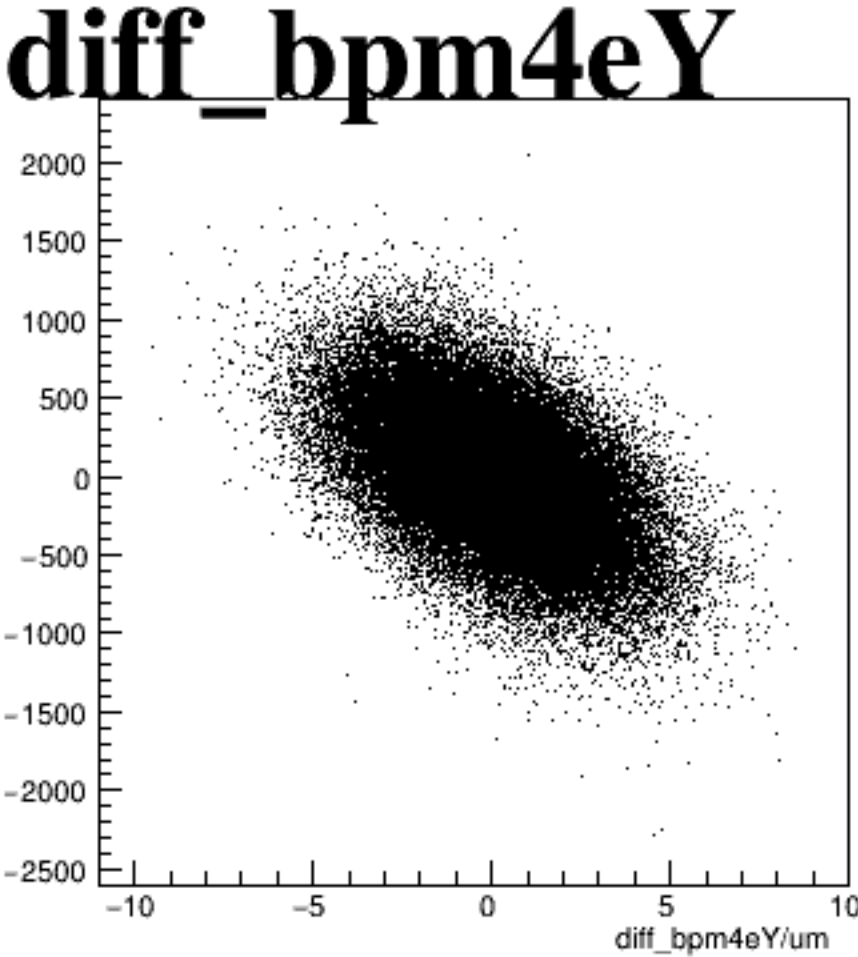
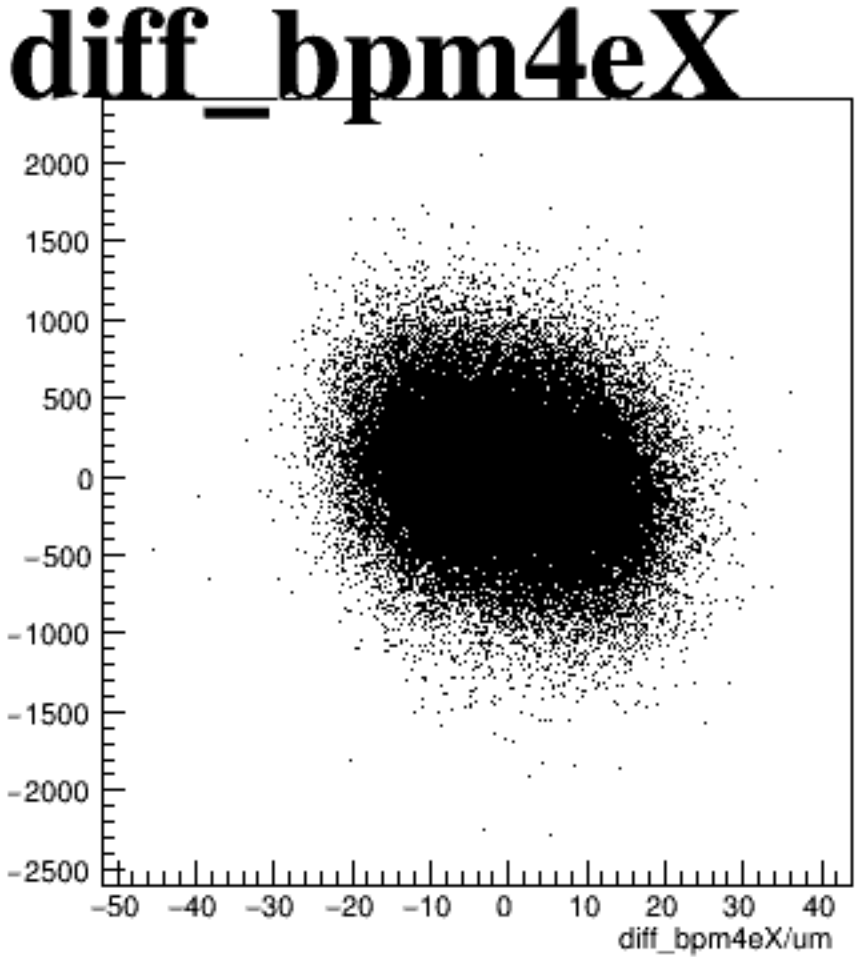
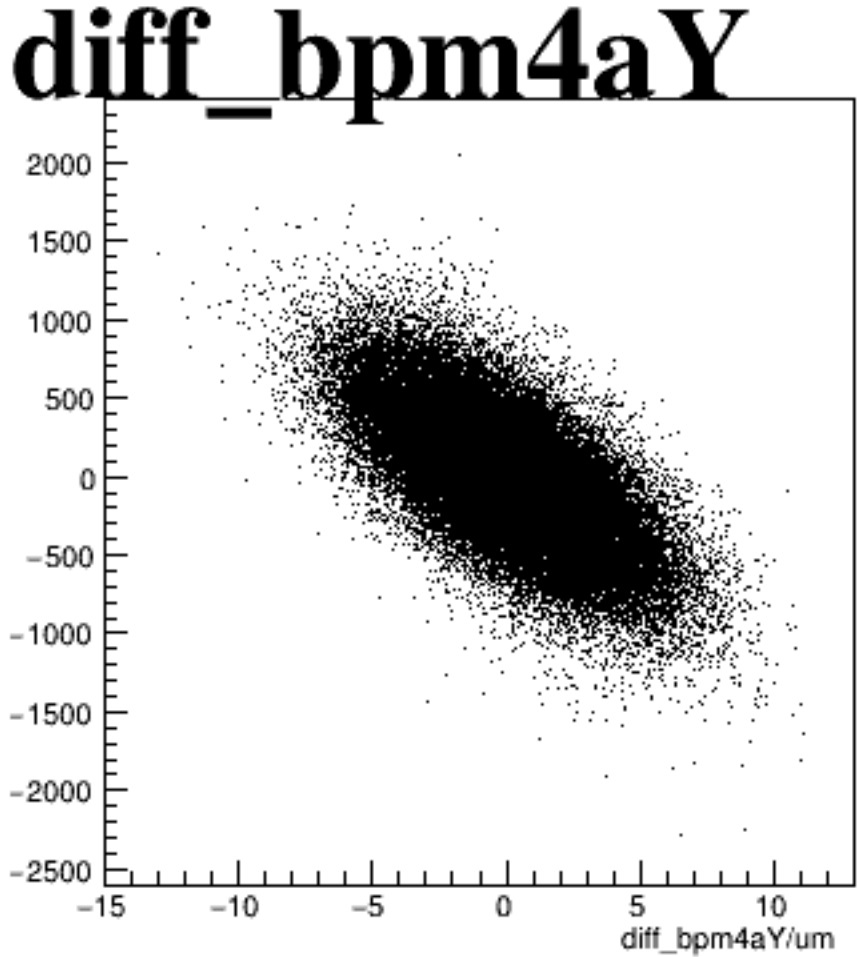
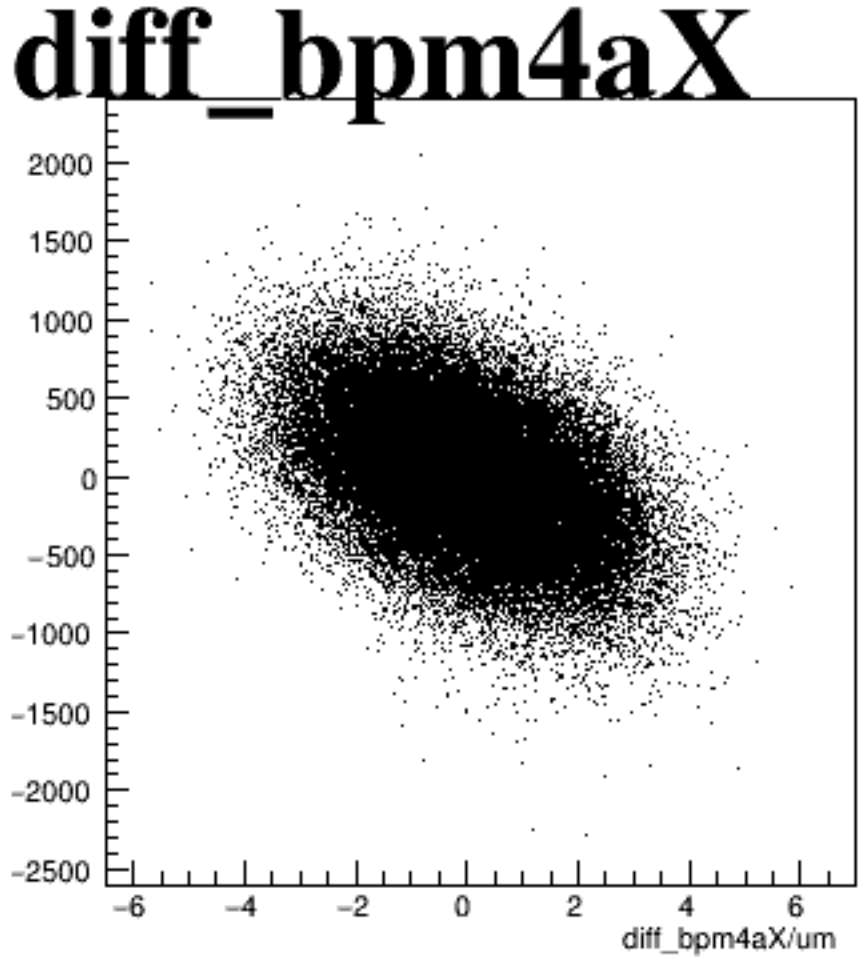
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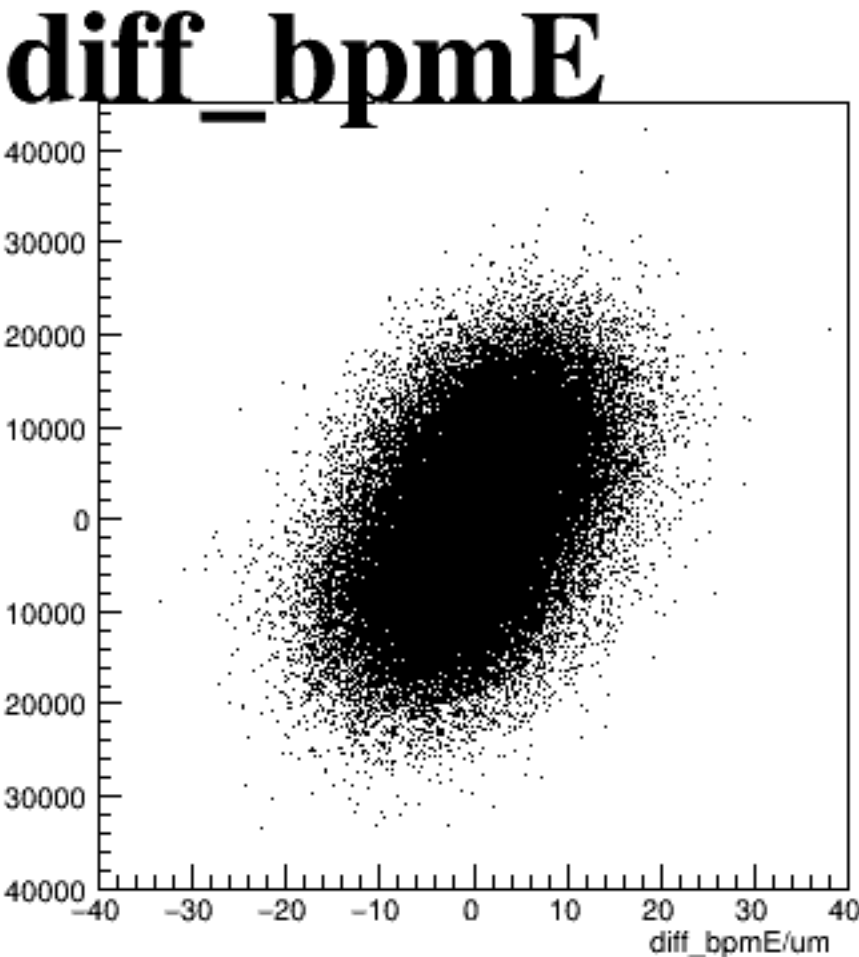
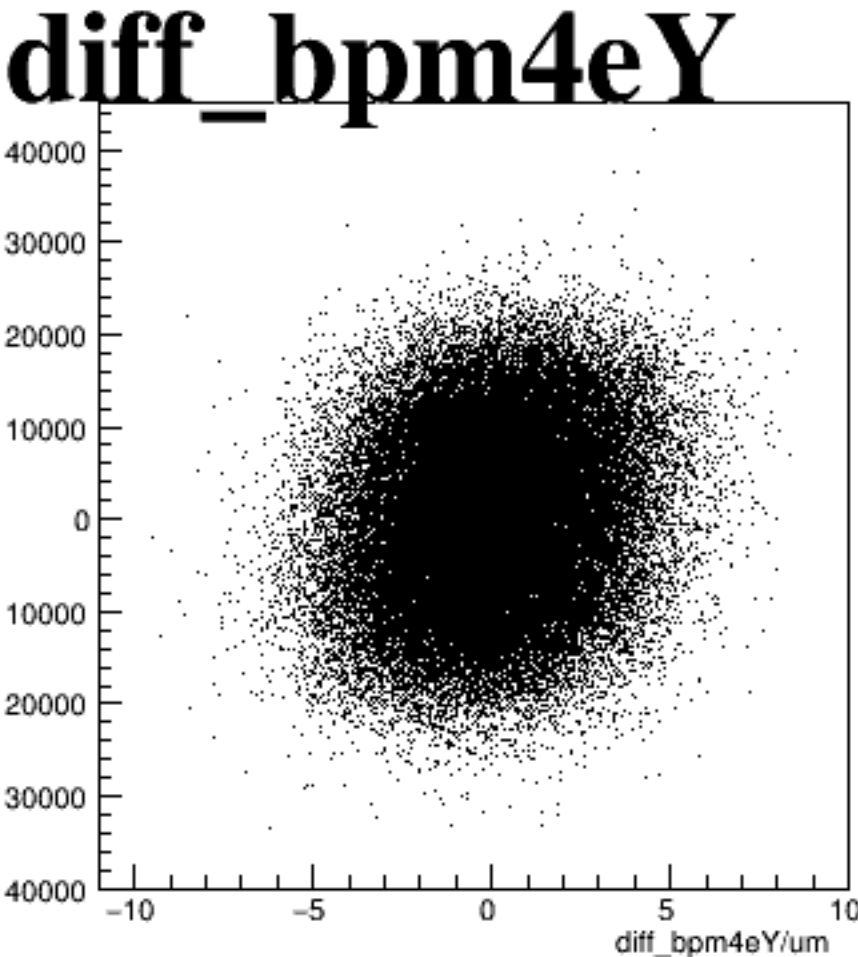
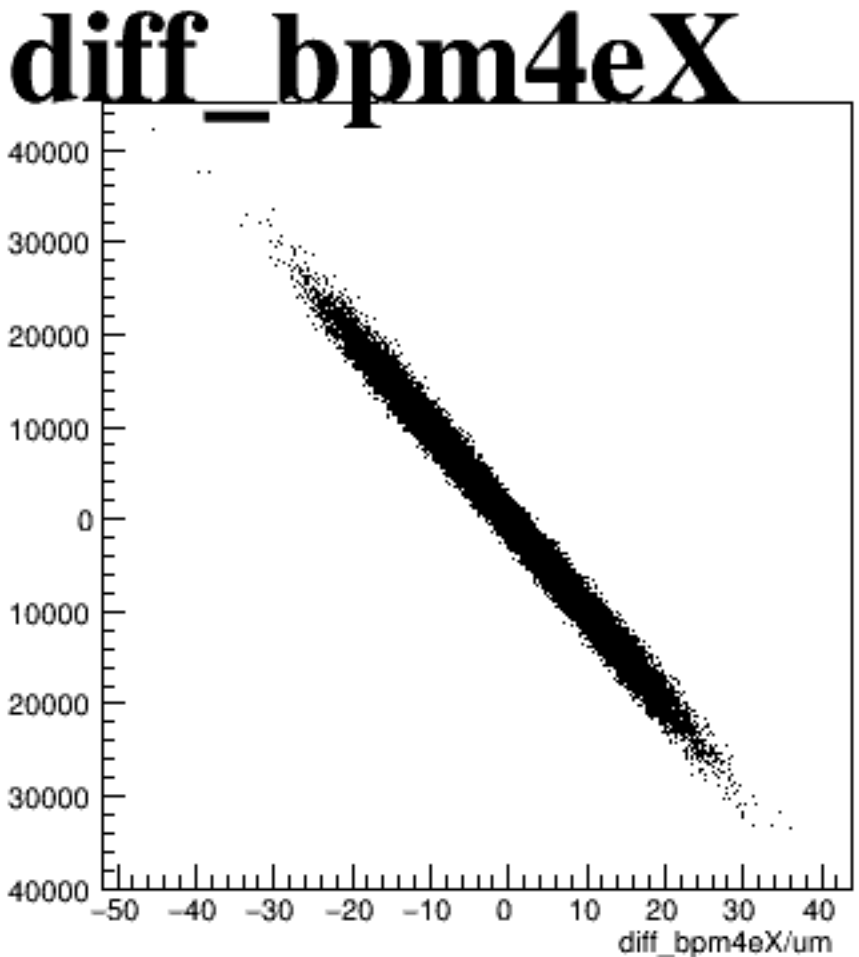
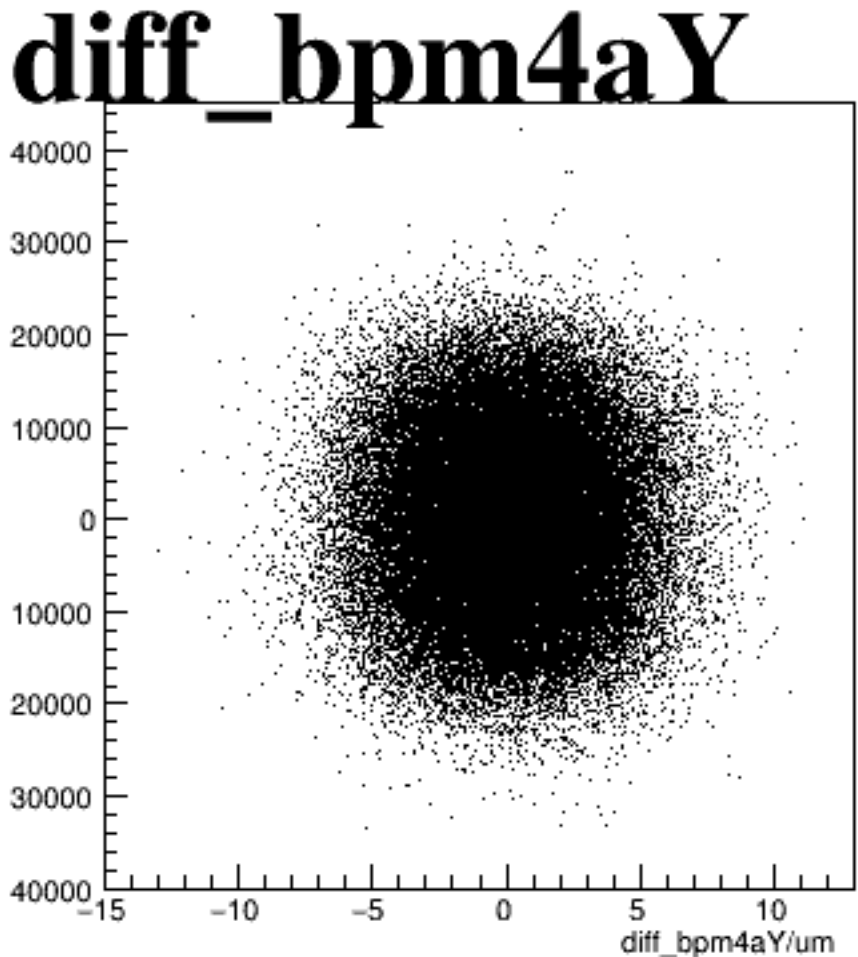
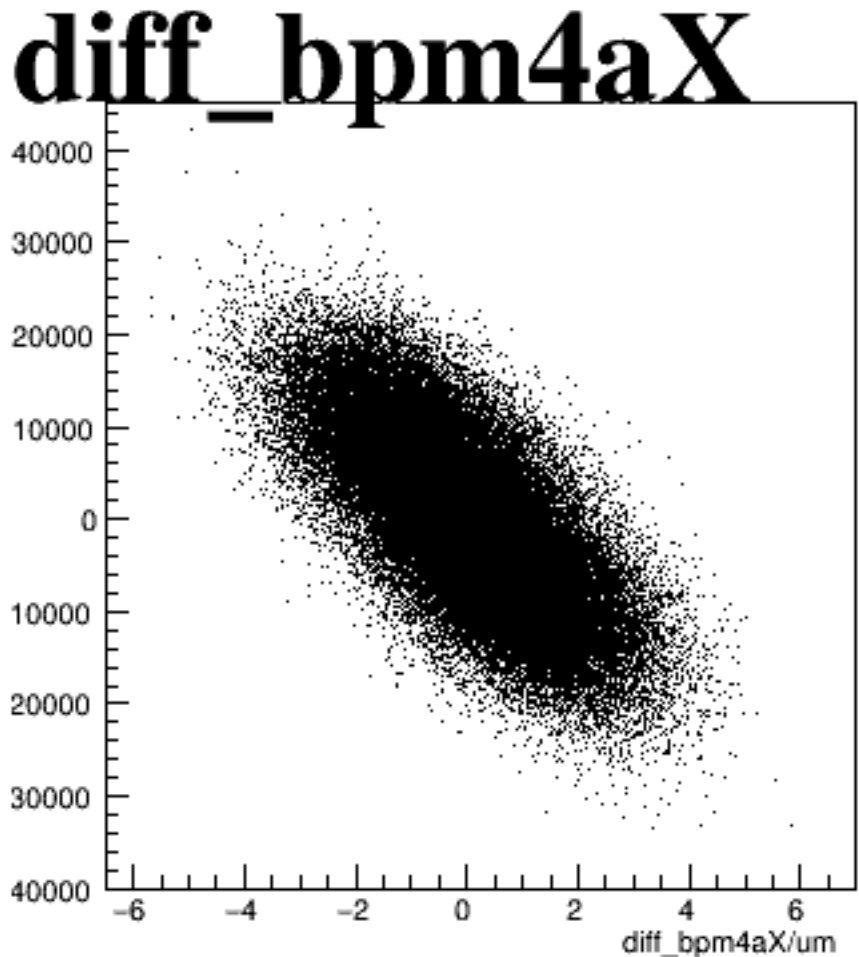
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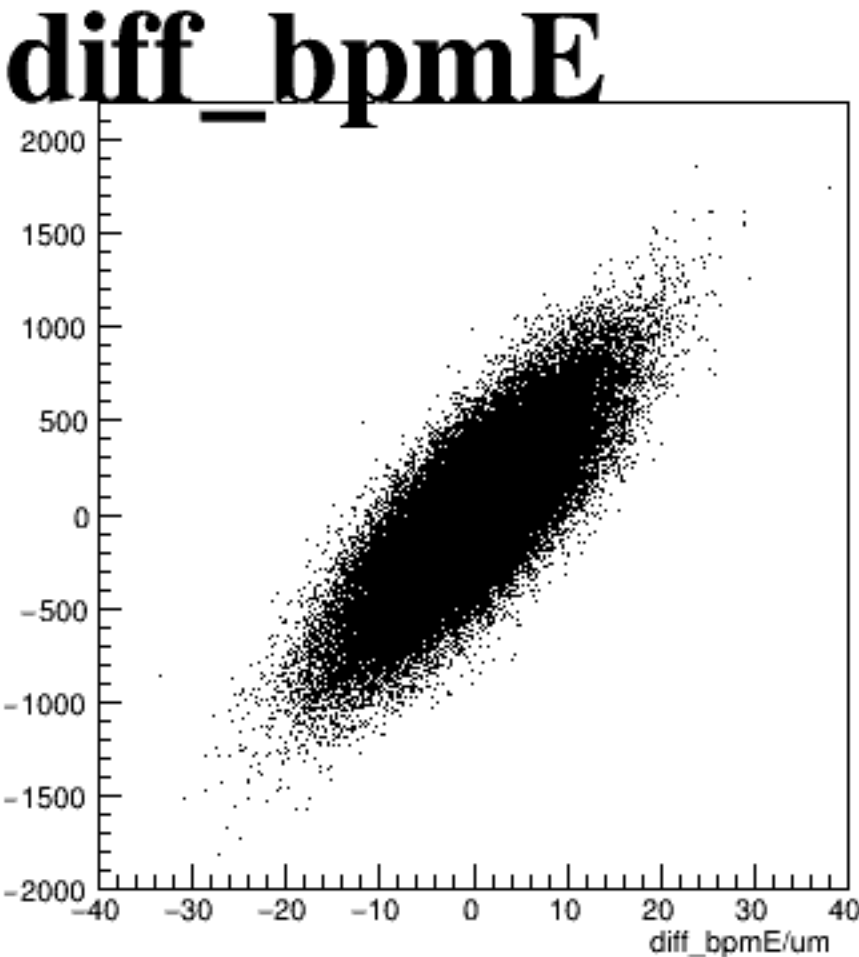
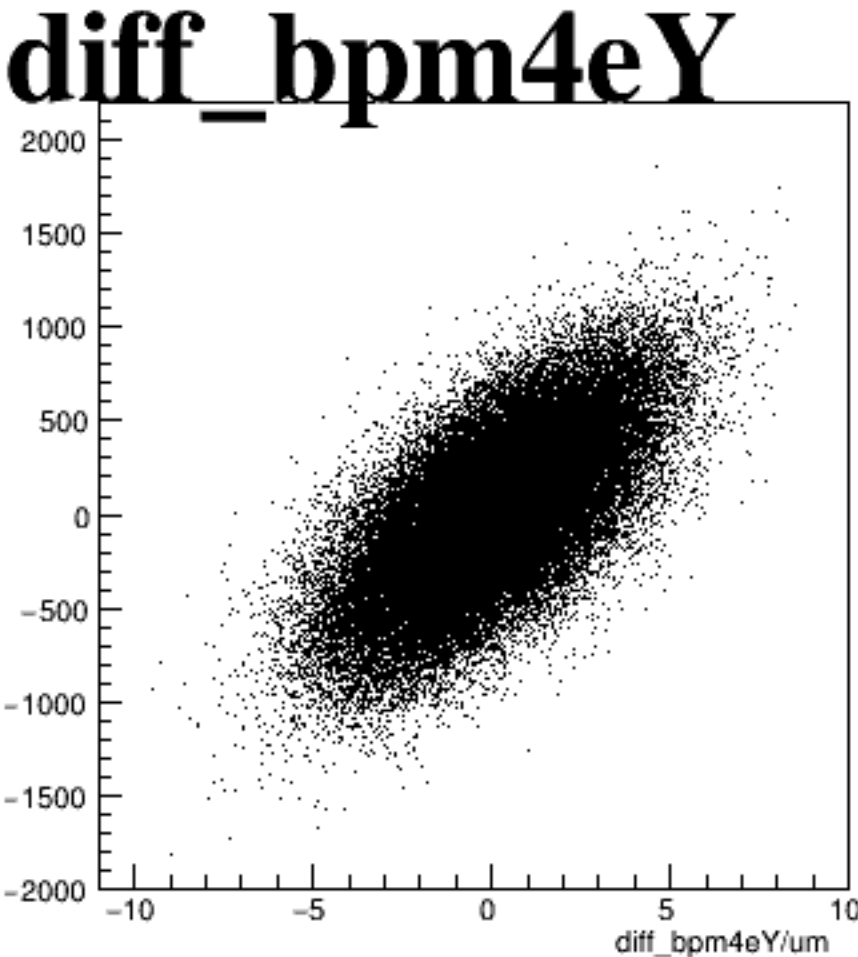
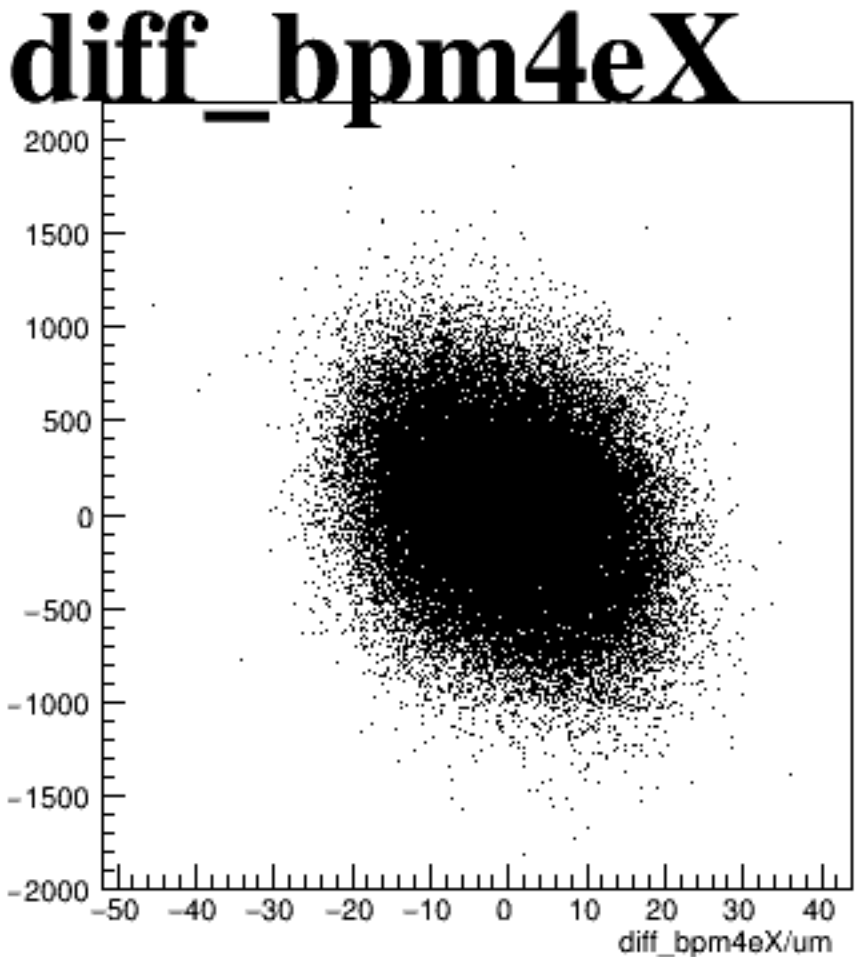
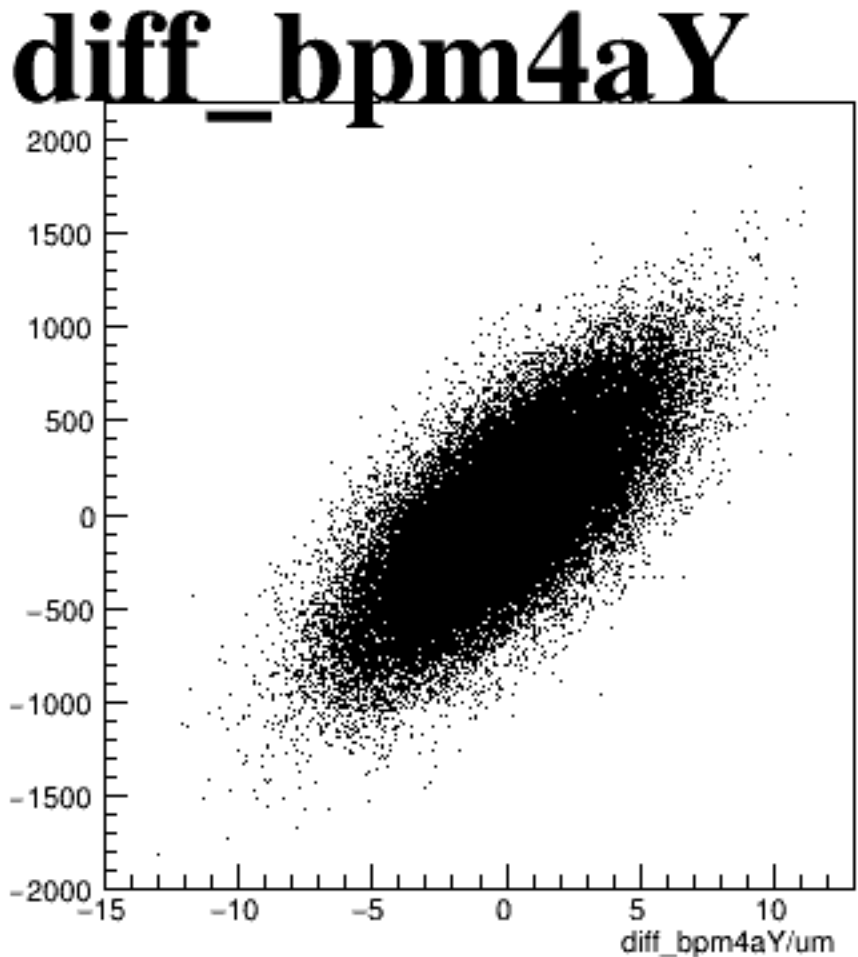
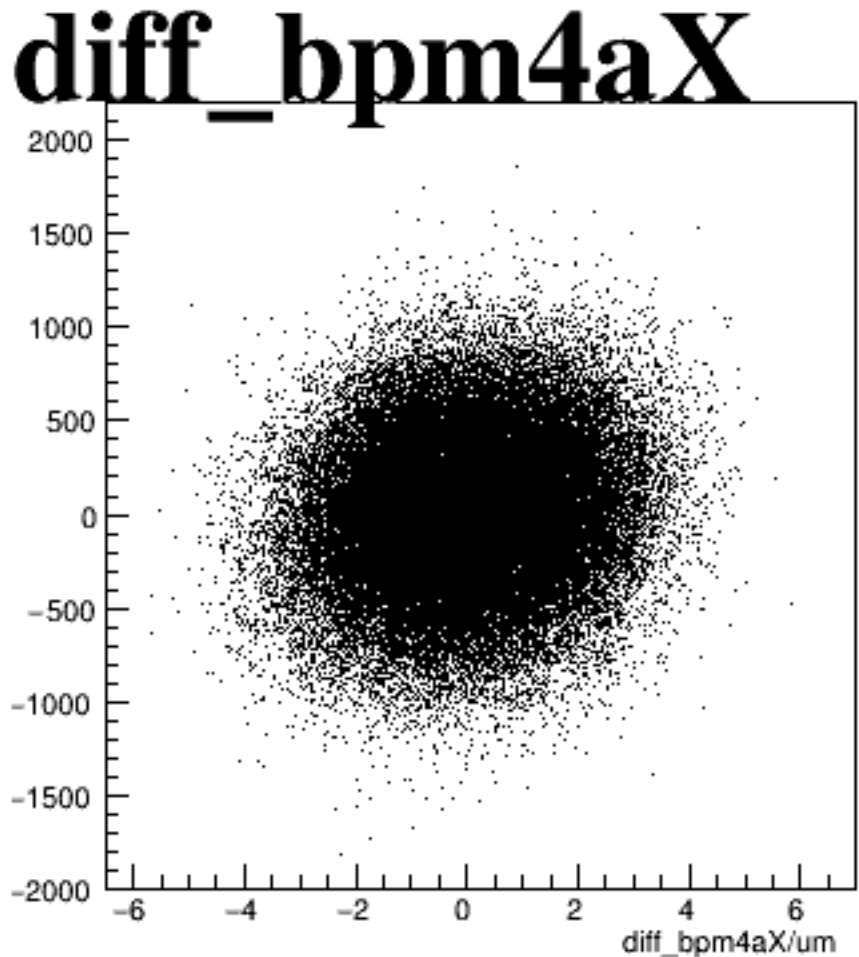
asym_sam1



asym_sam3



asym_sam5



asym_sam7

