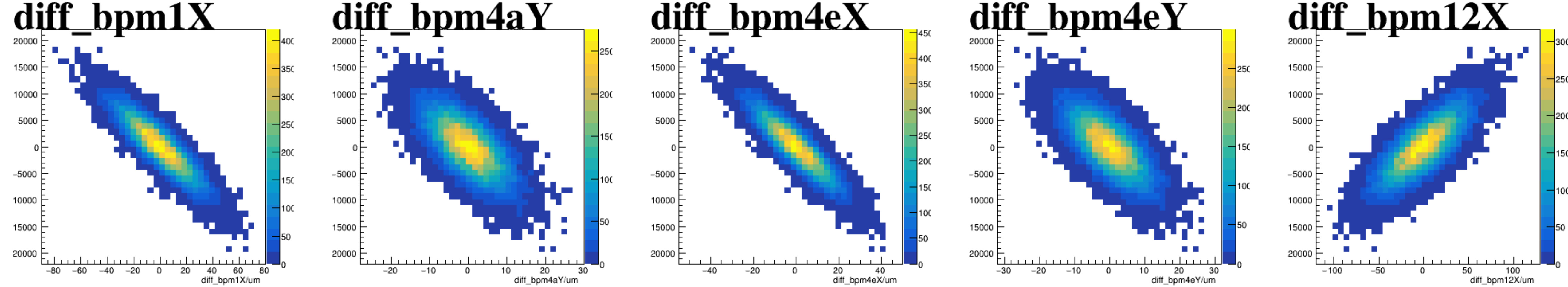
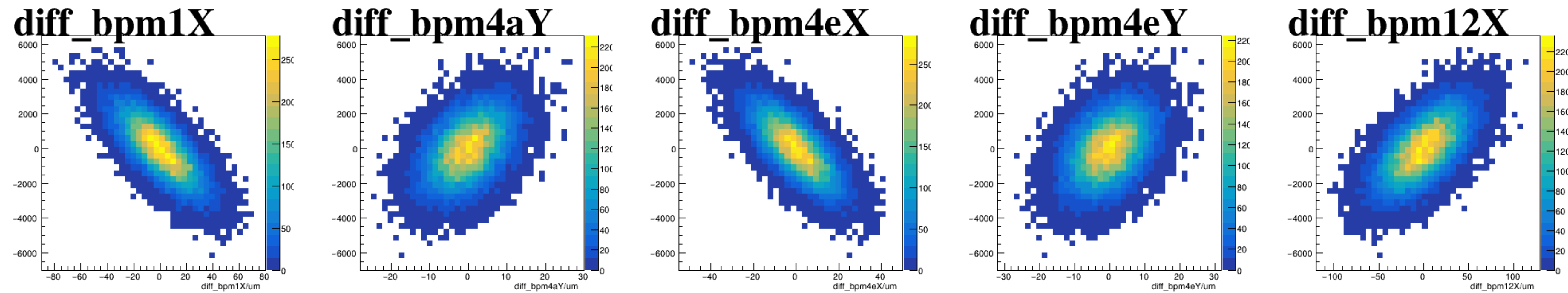


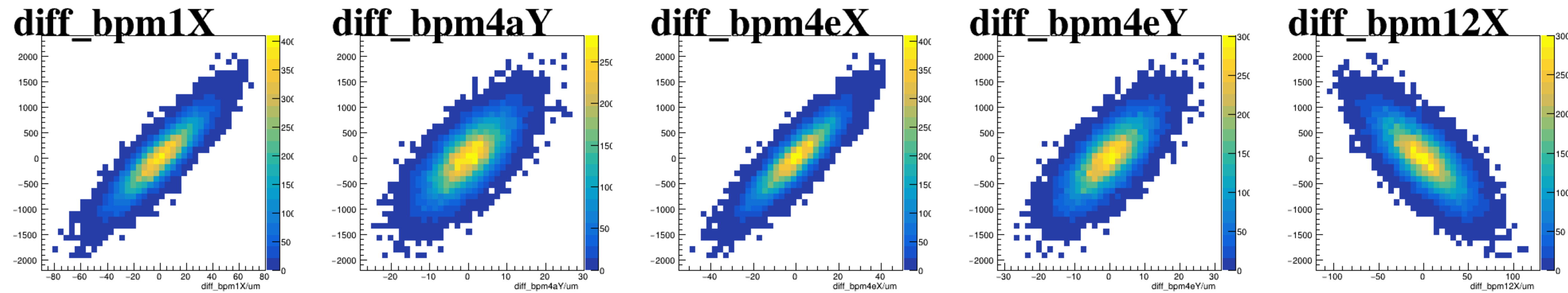
asym\_sam2



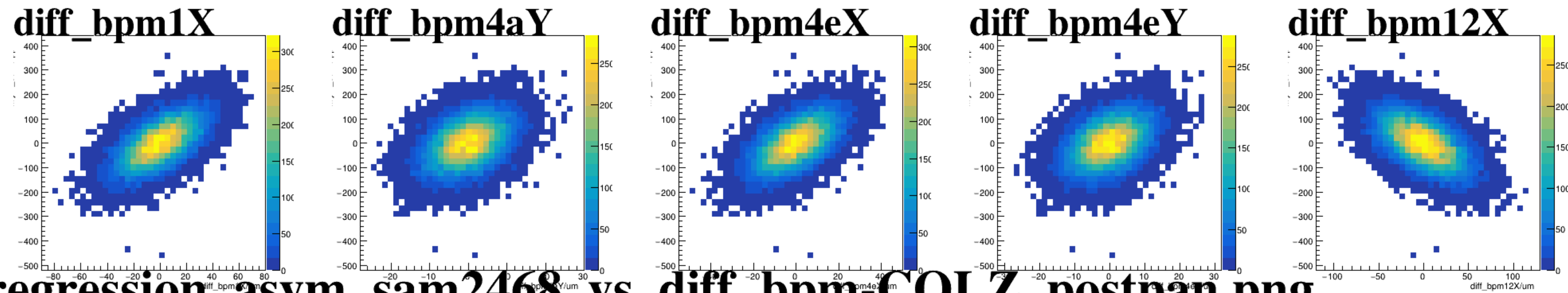
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asym\_sam6

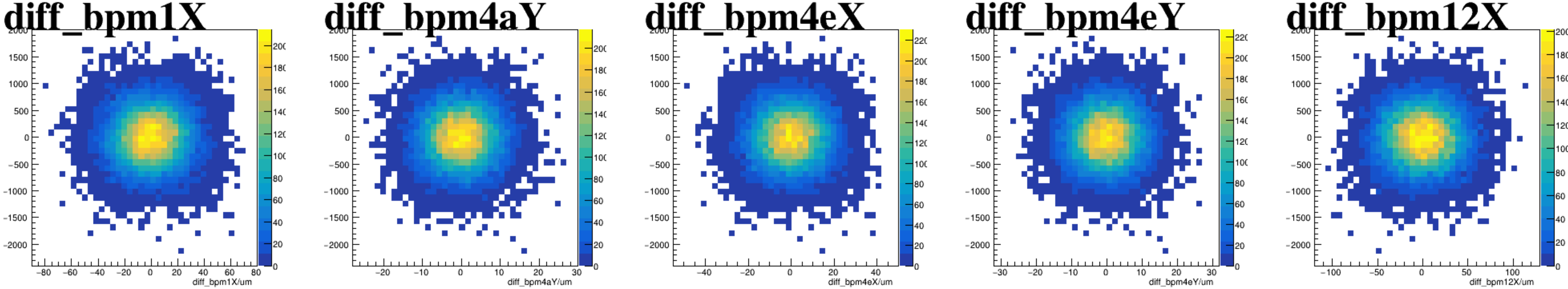


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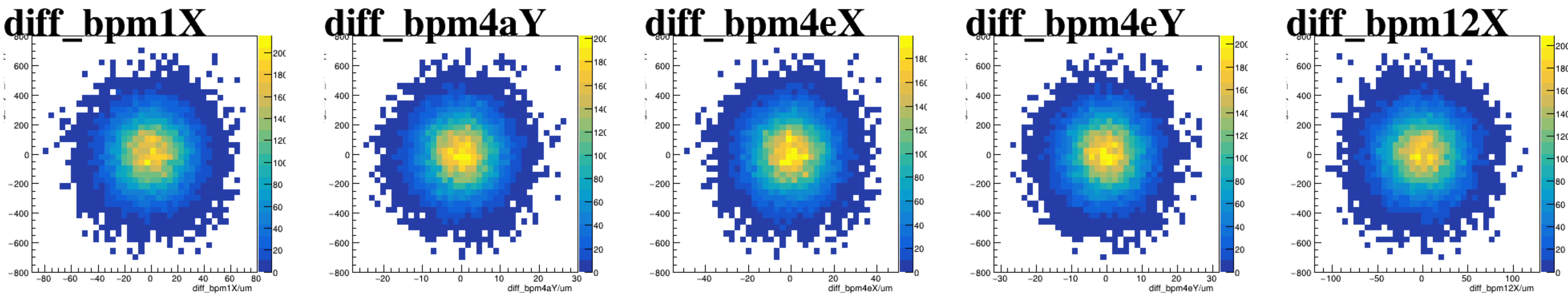




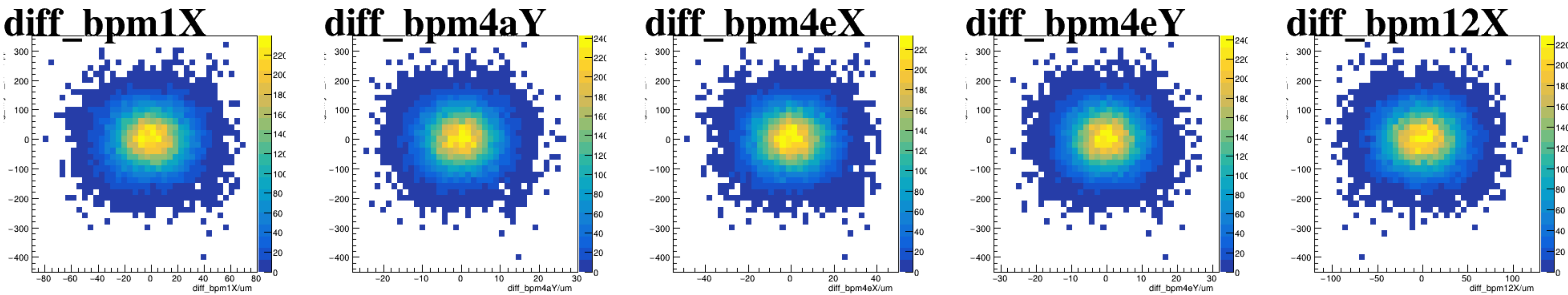
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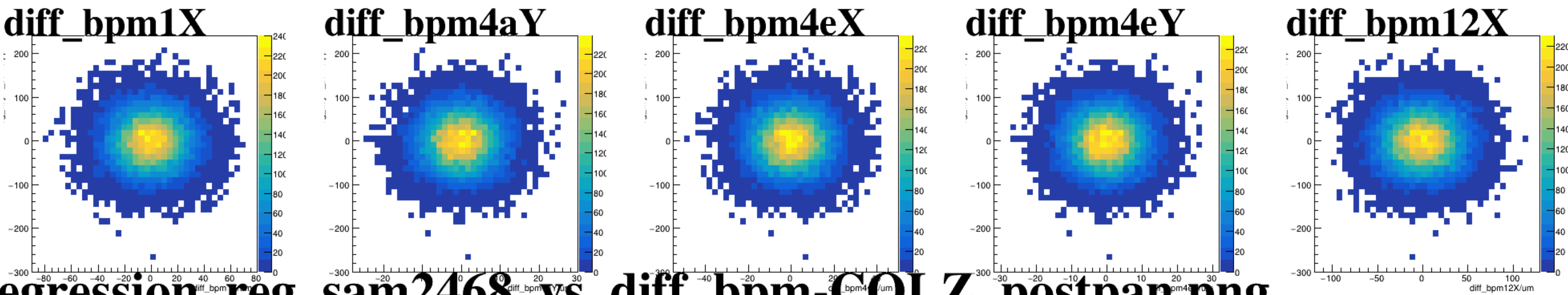
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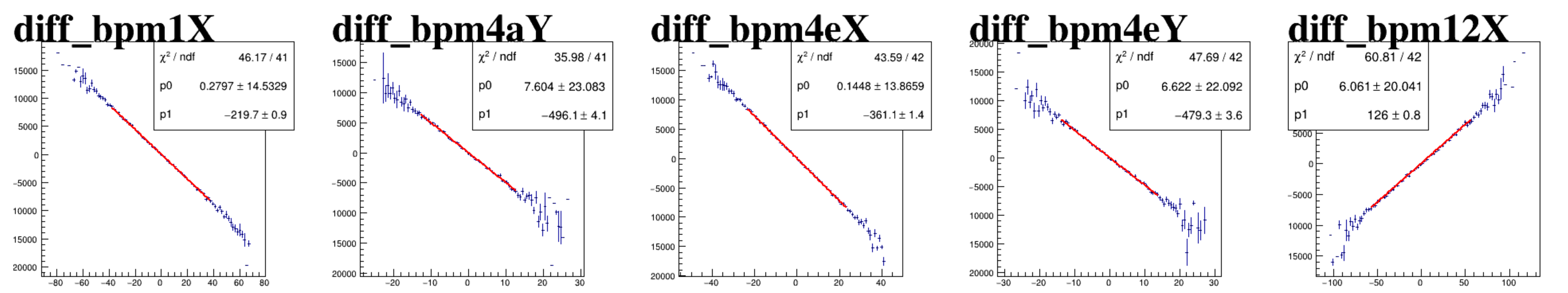


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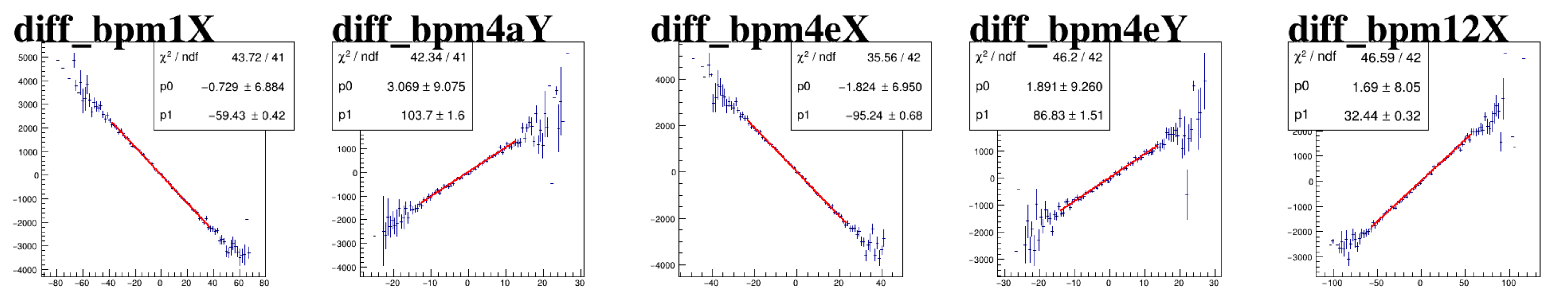




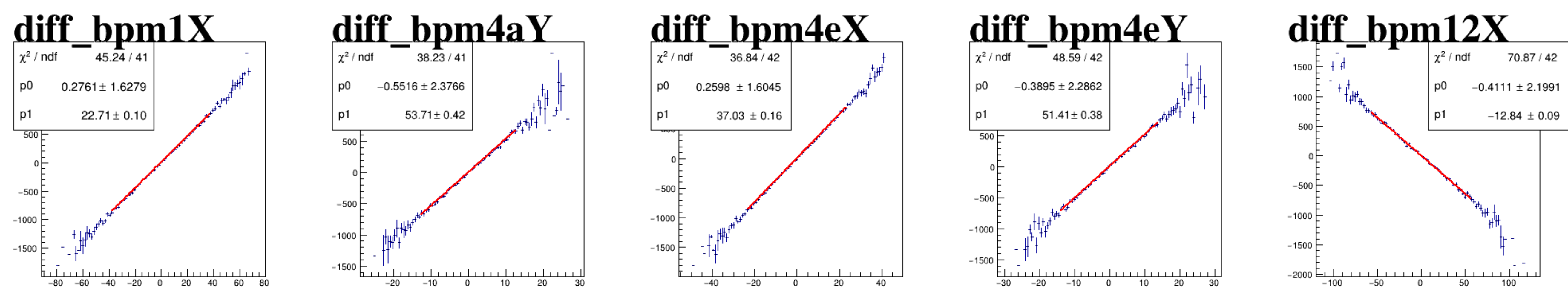
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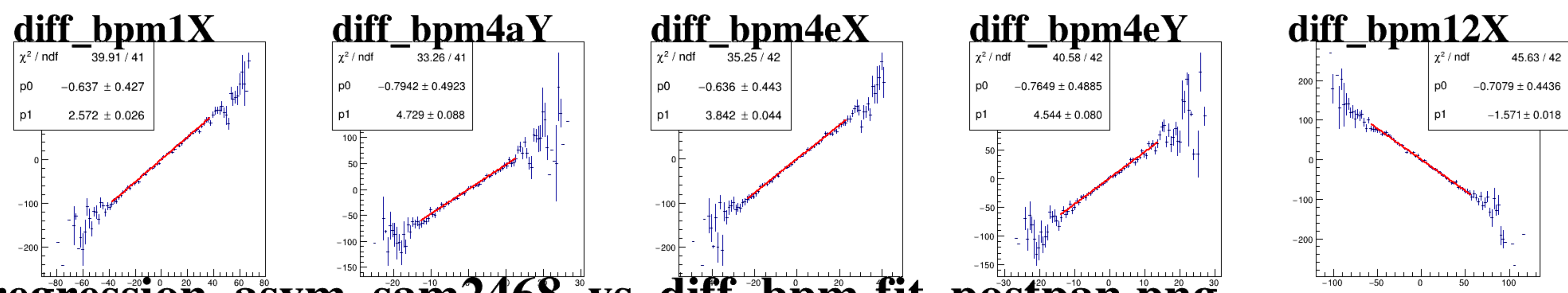
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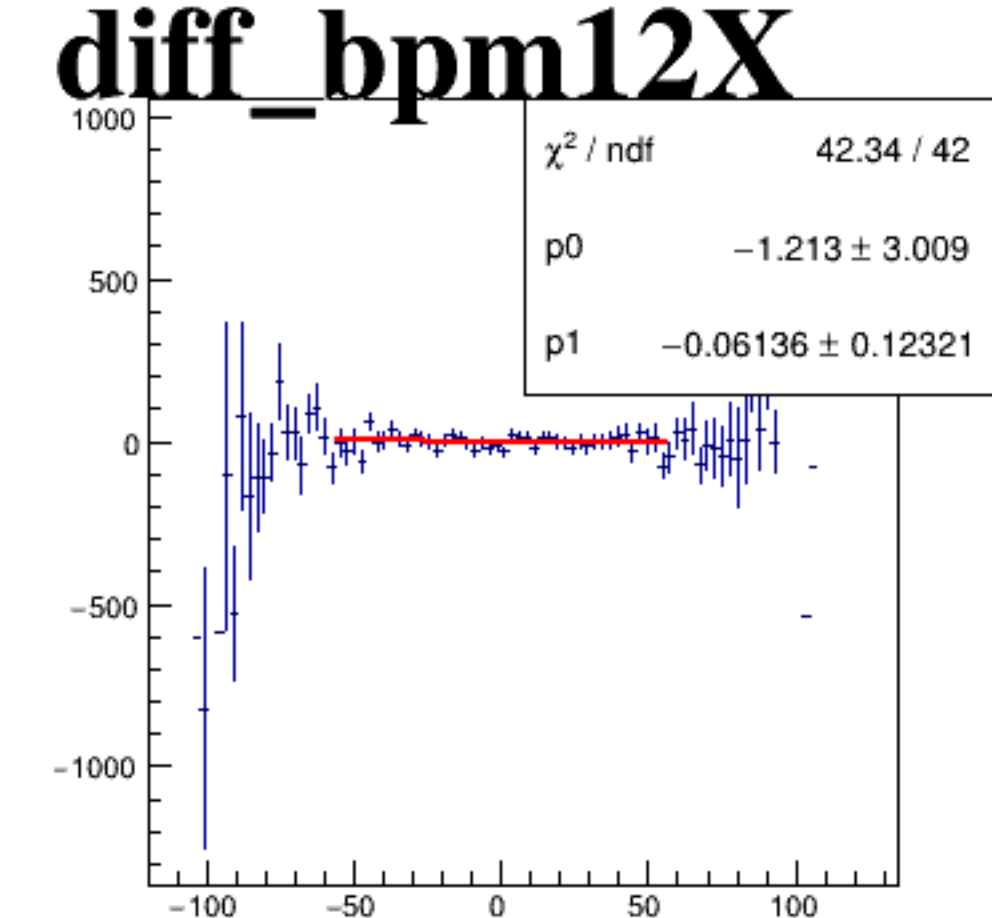
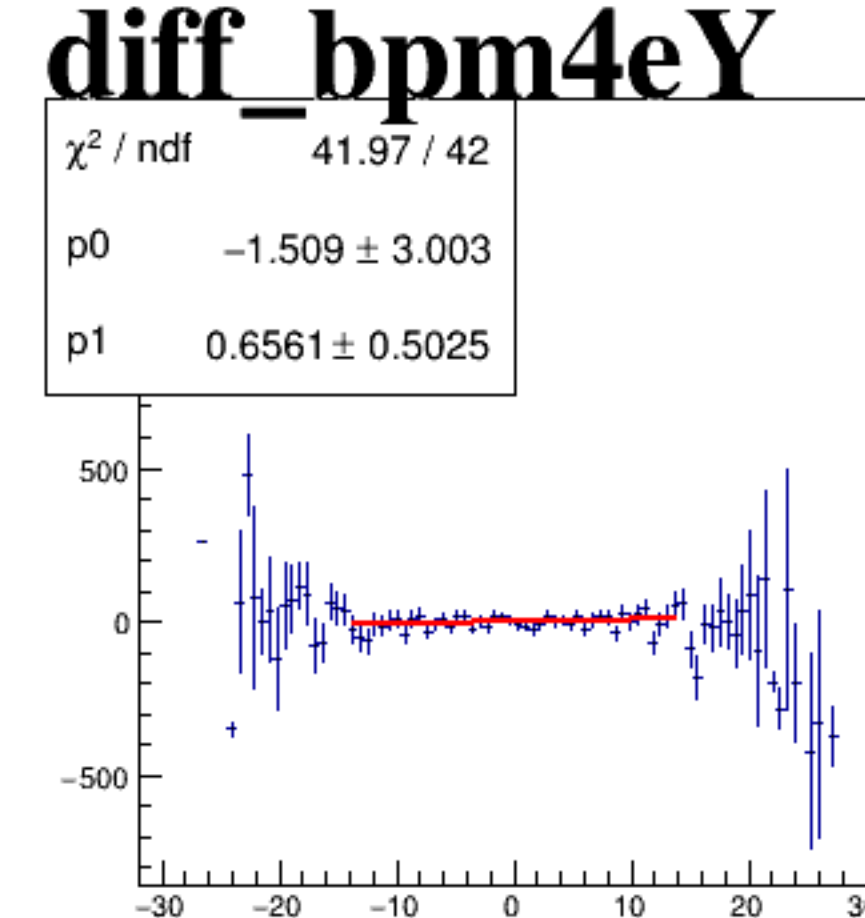
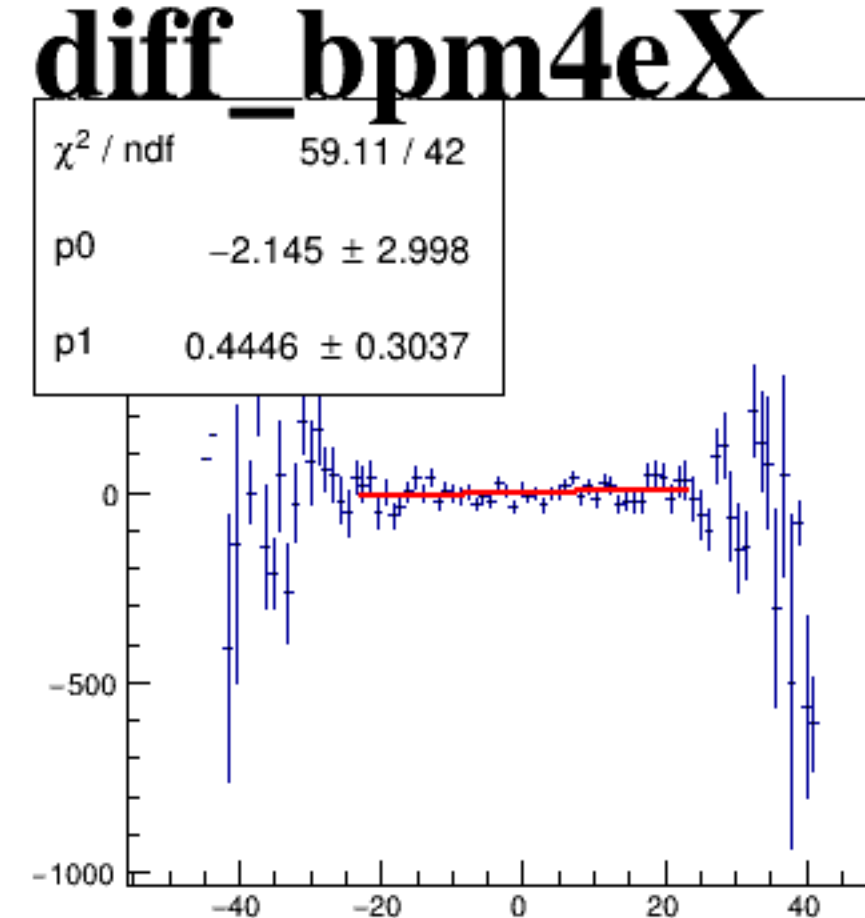
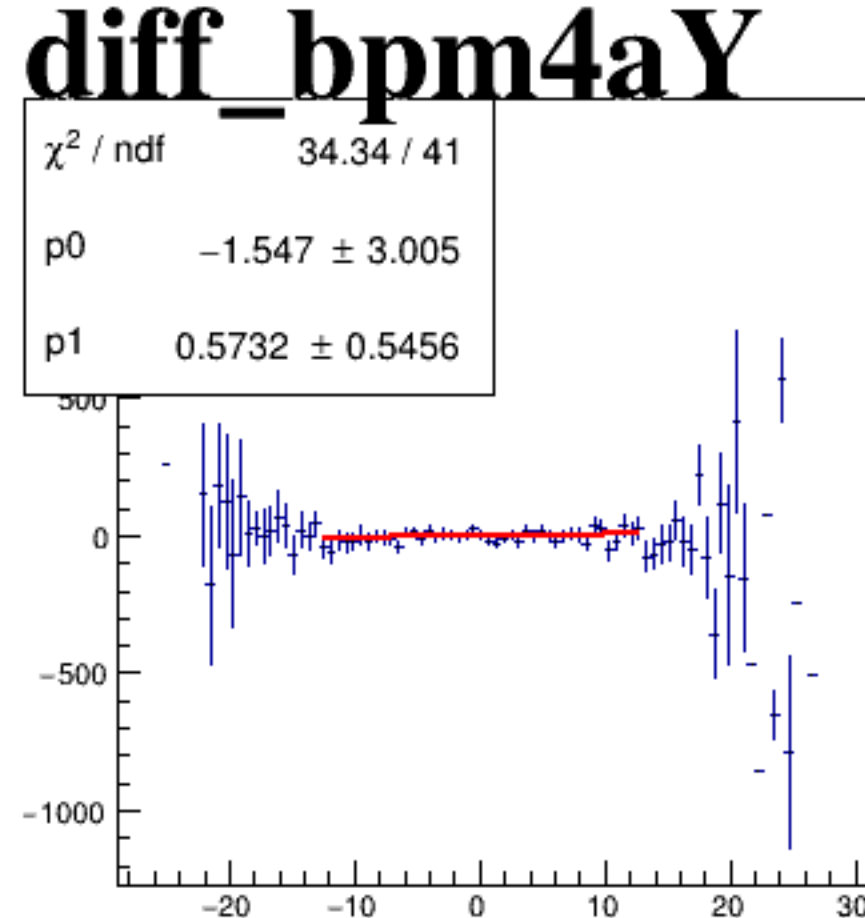
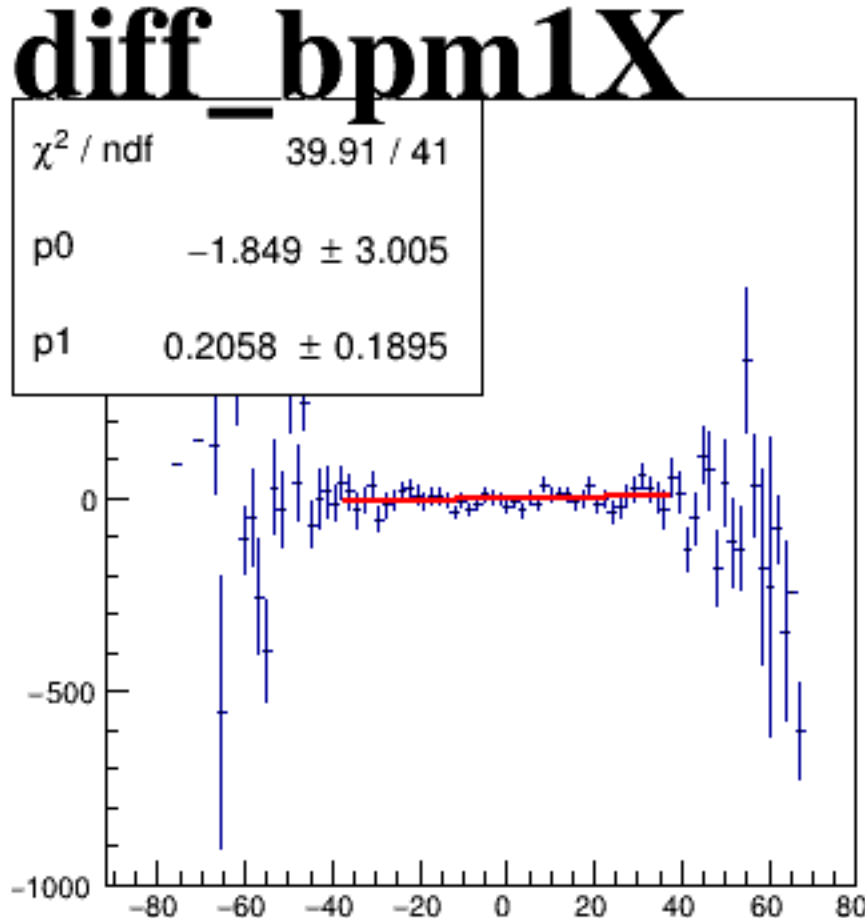


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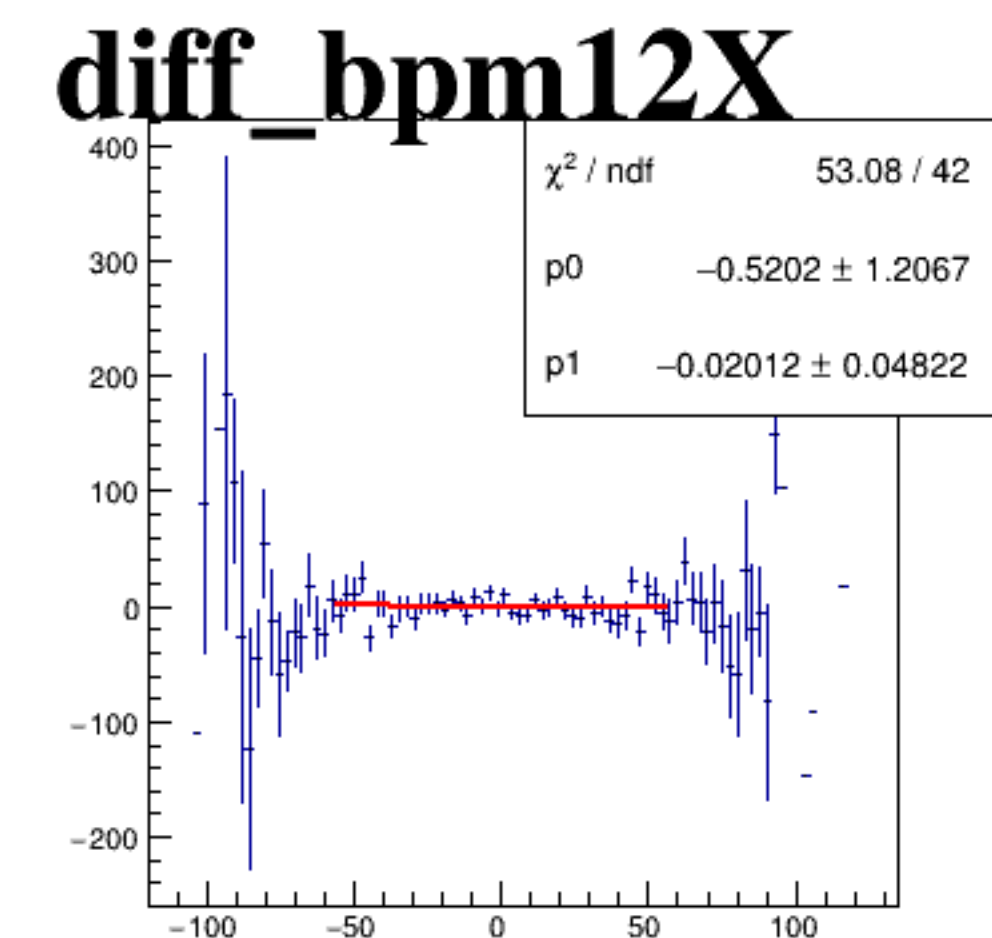
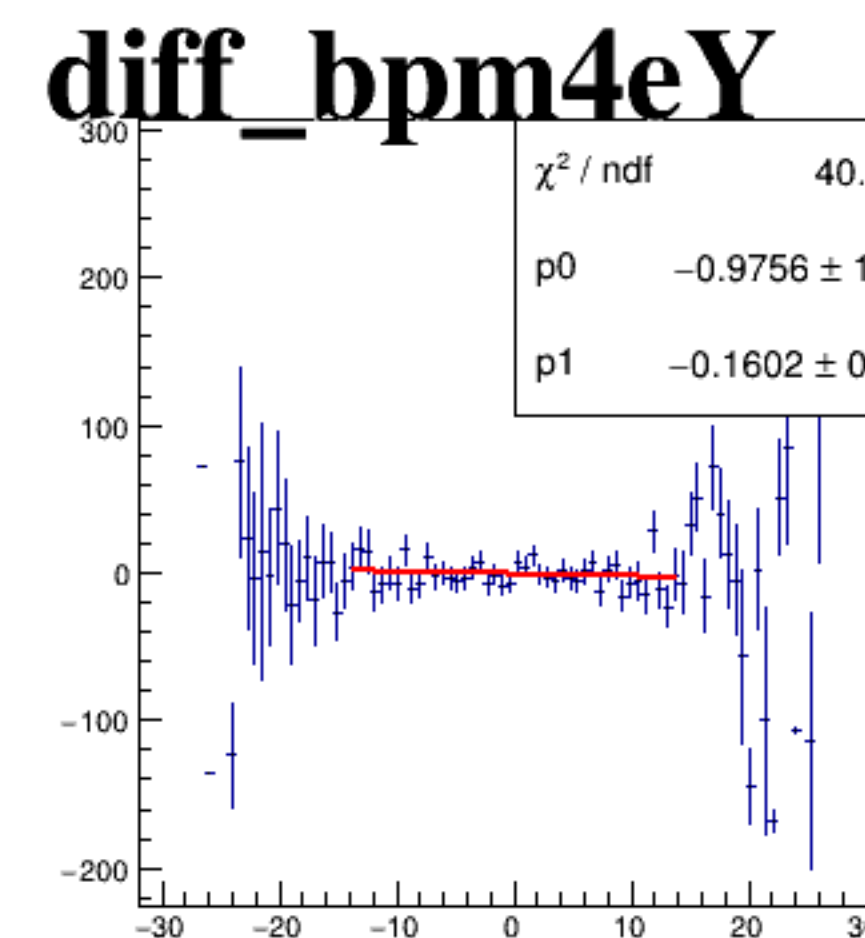
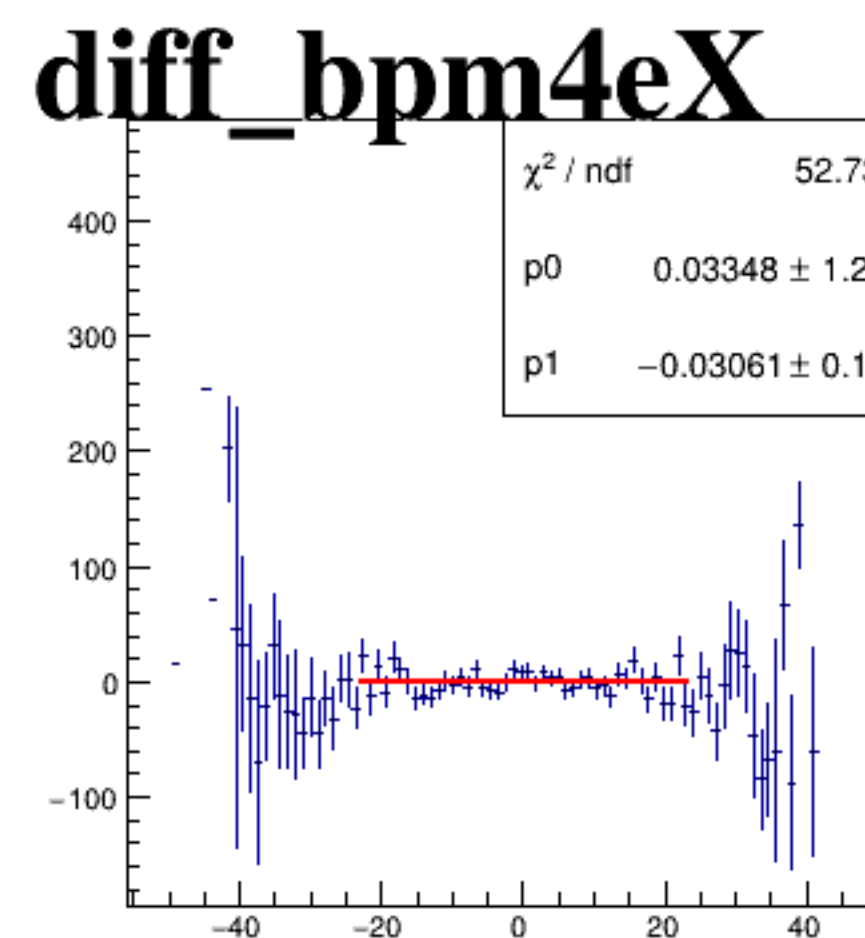
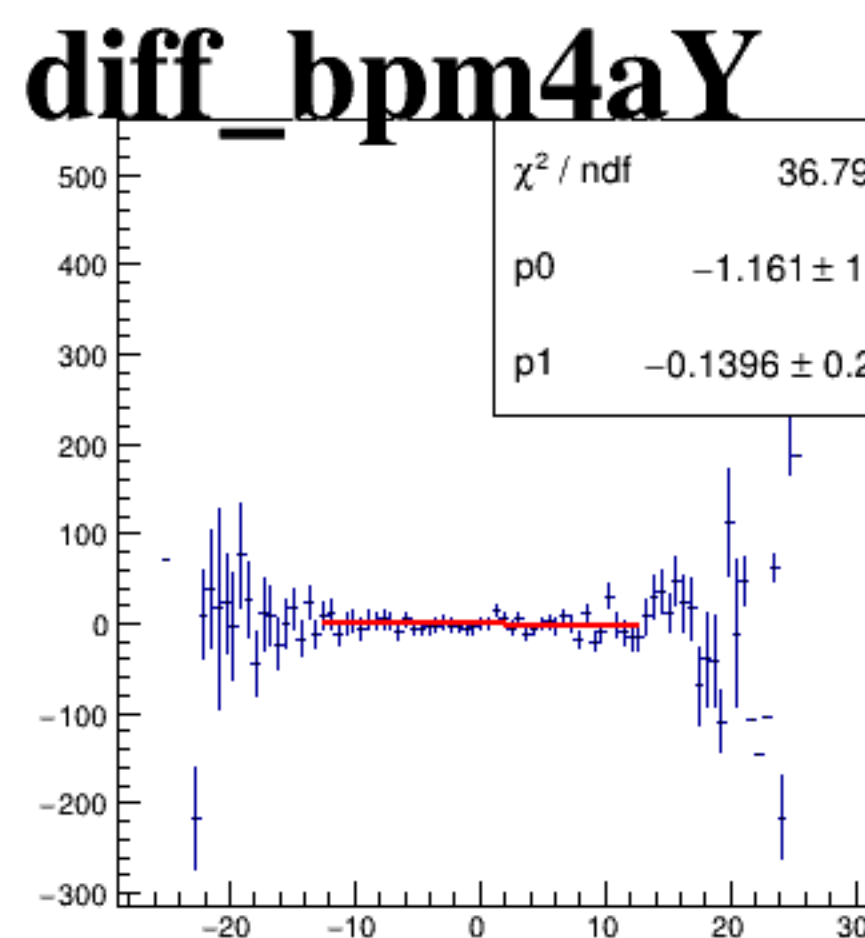
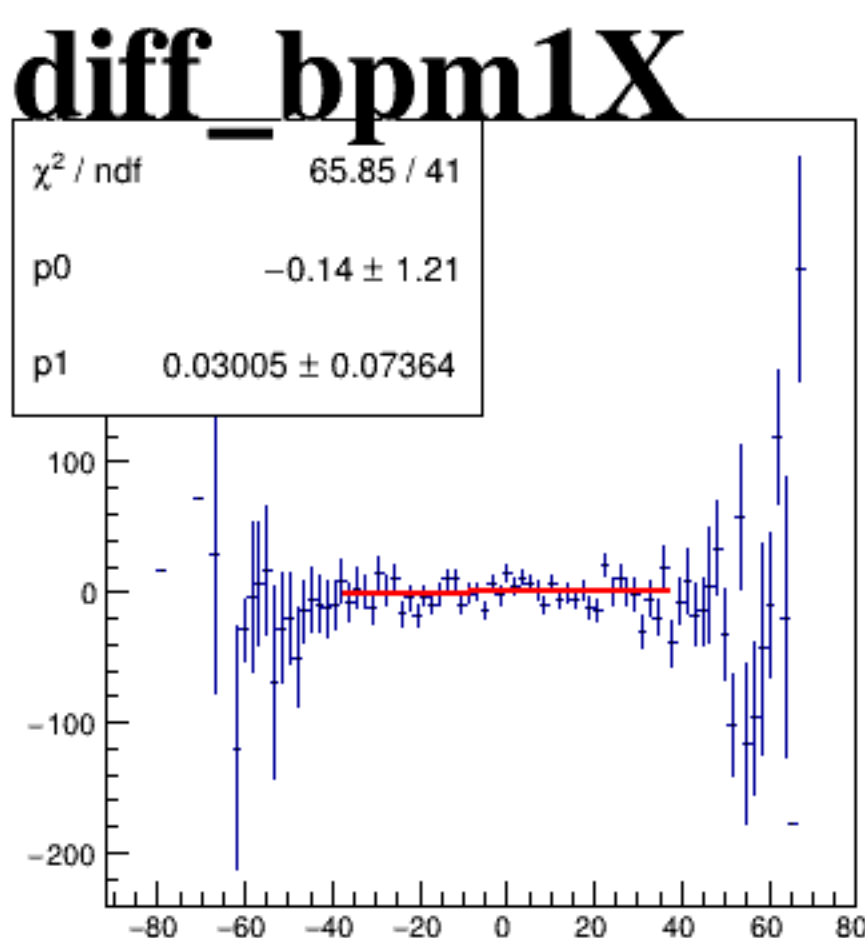




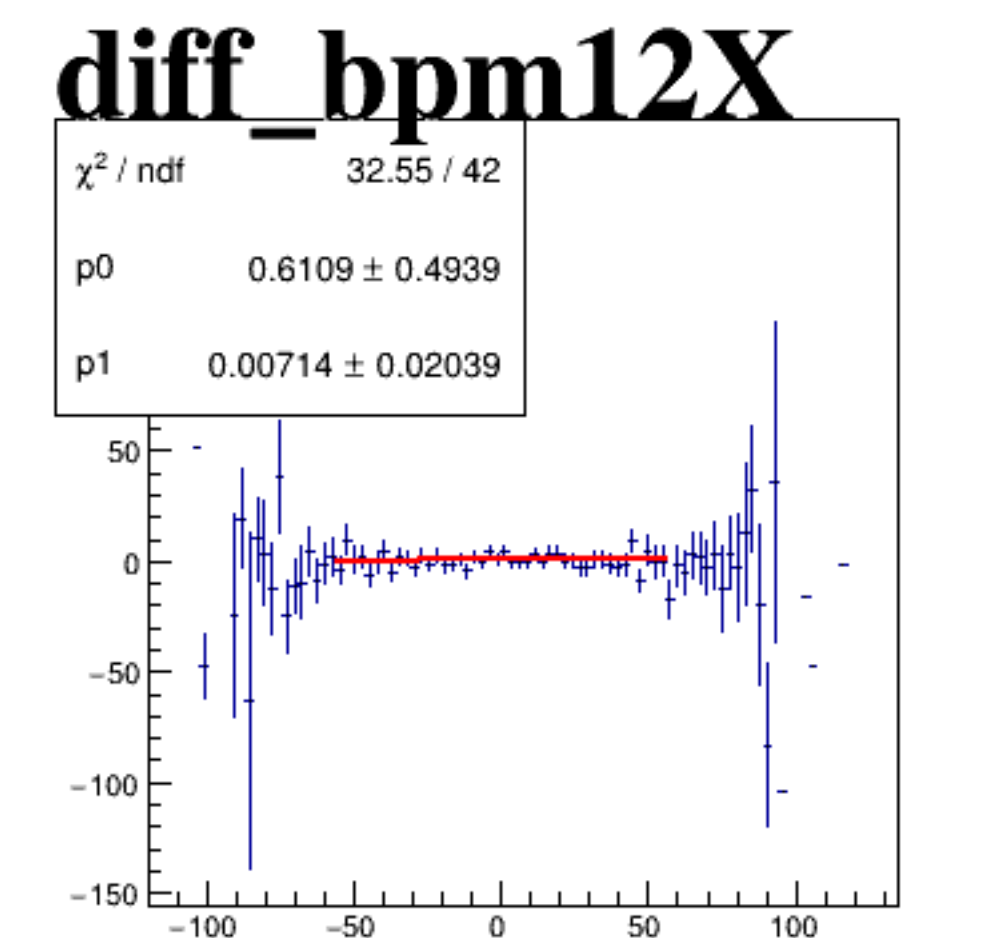
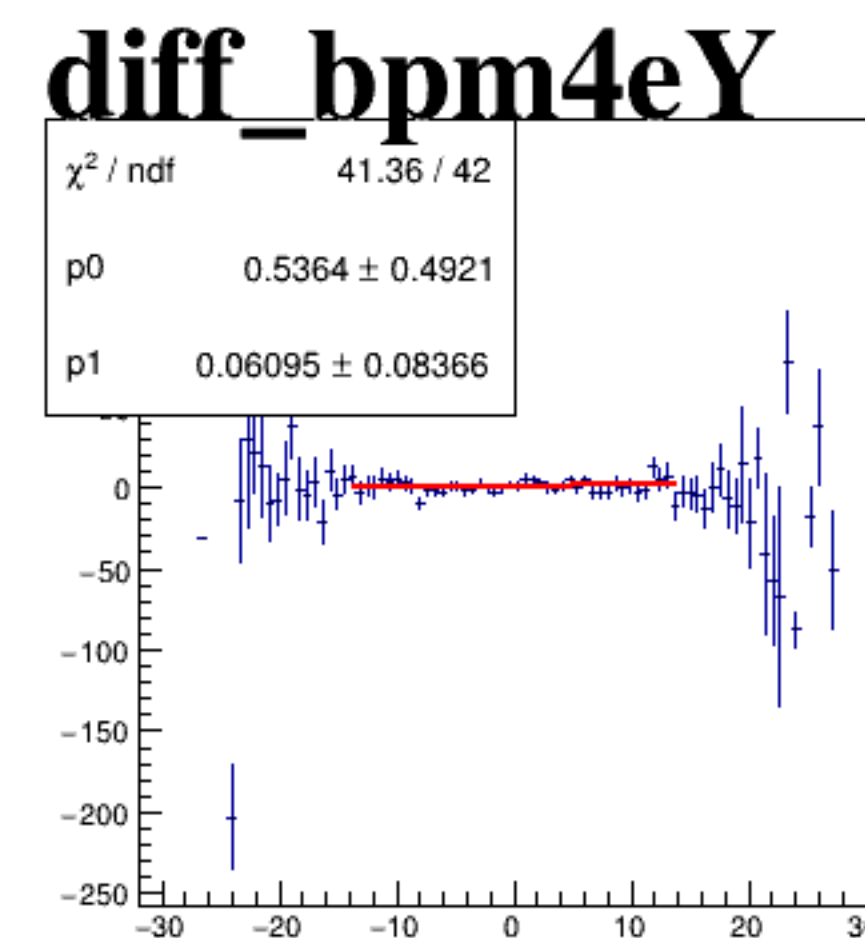
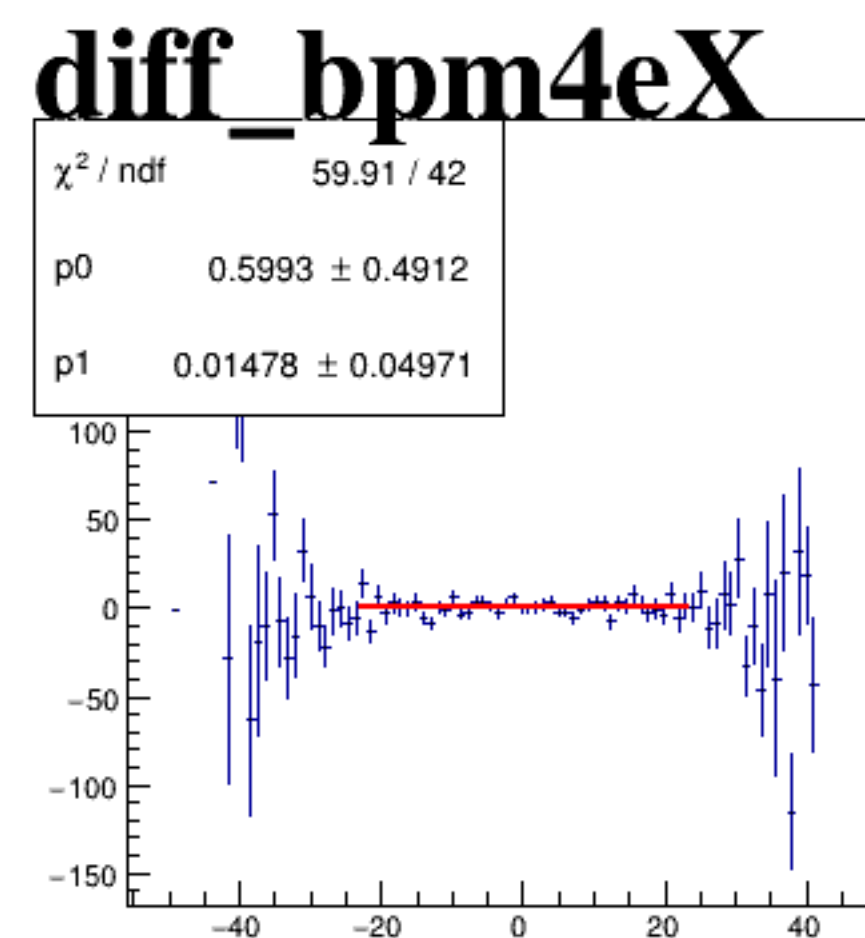
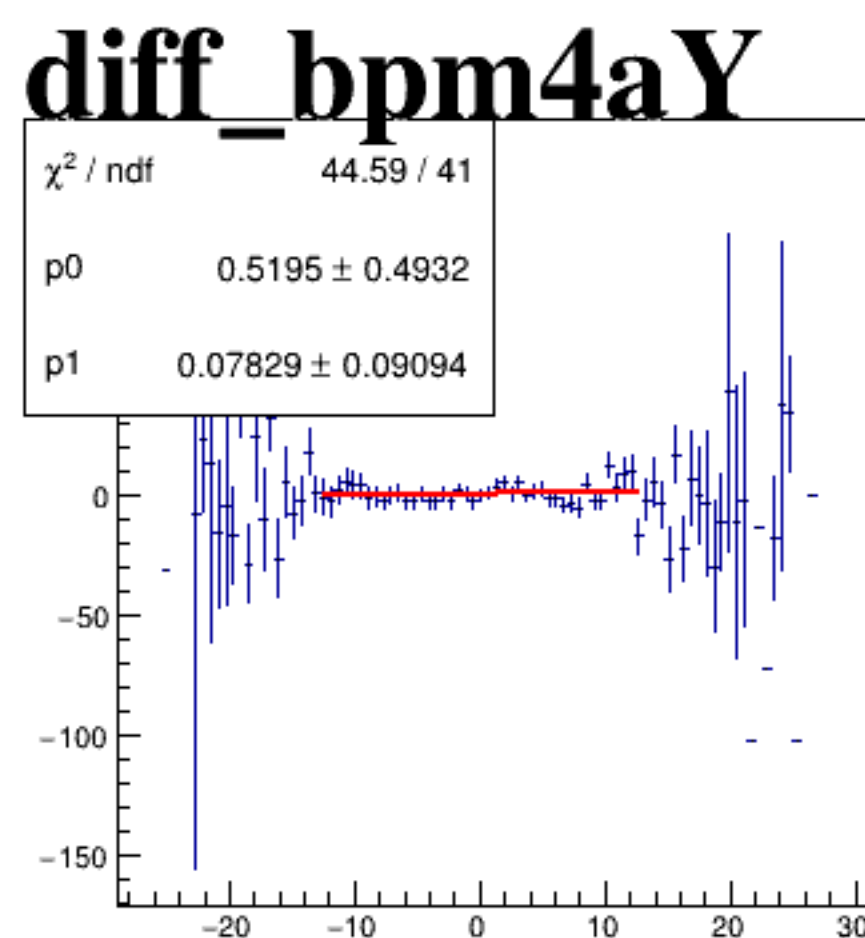
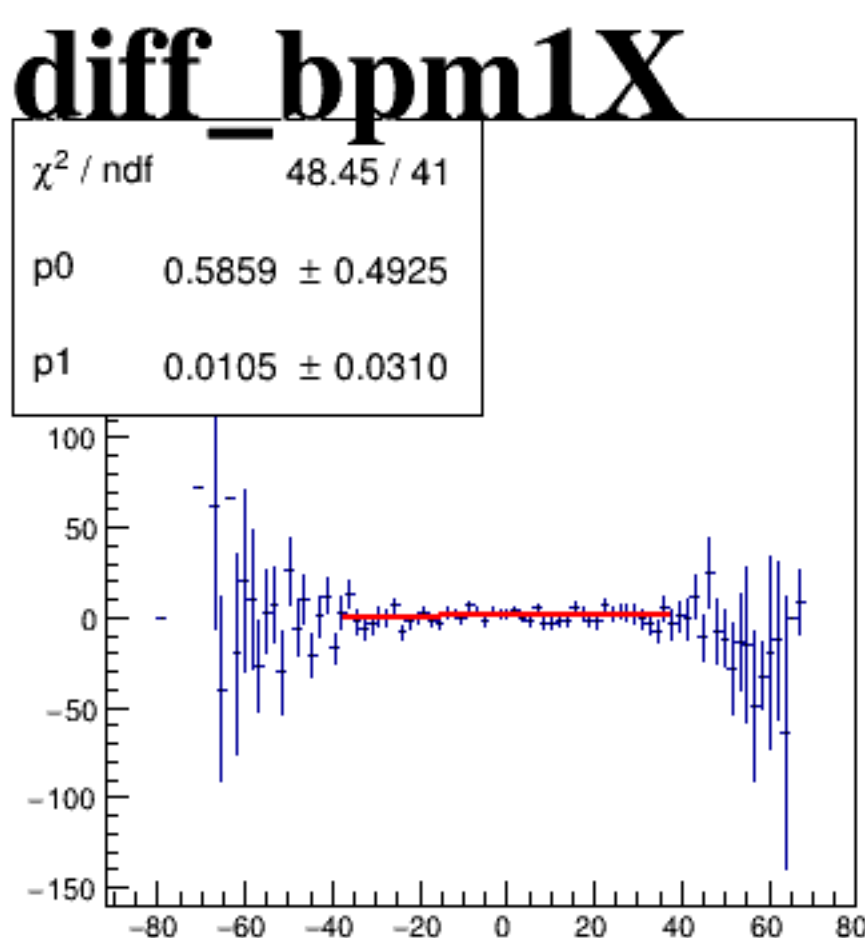
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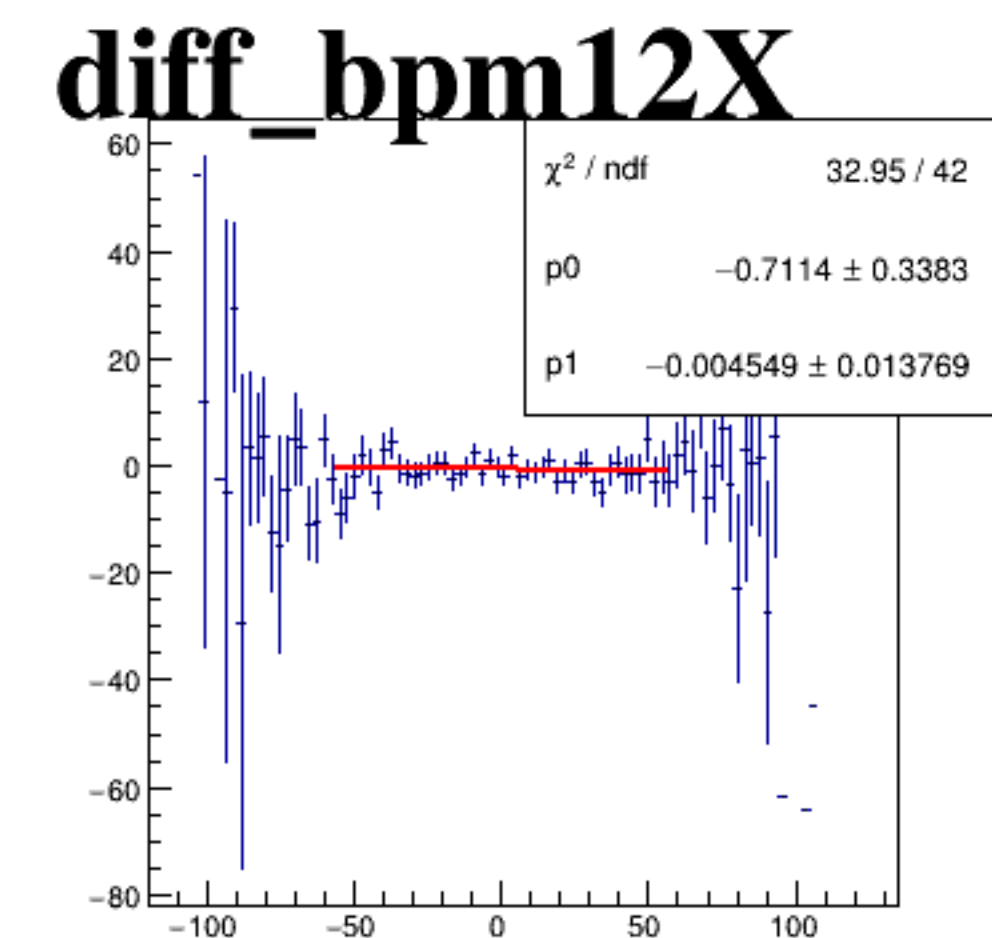
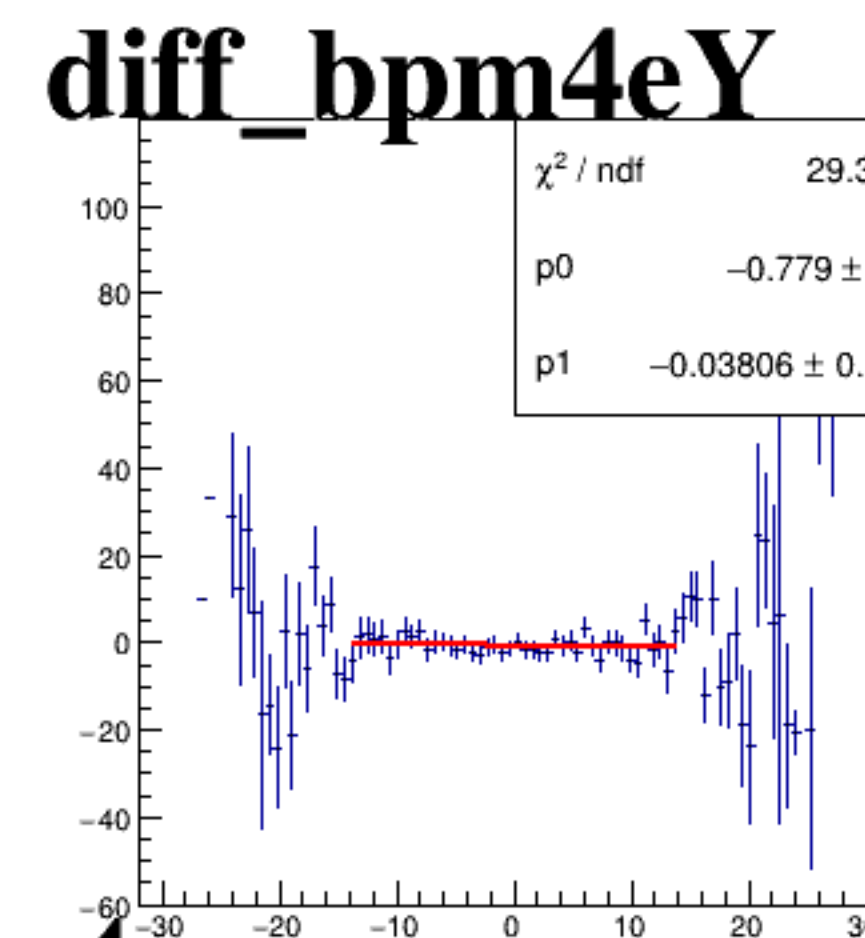
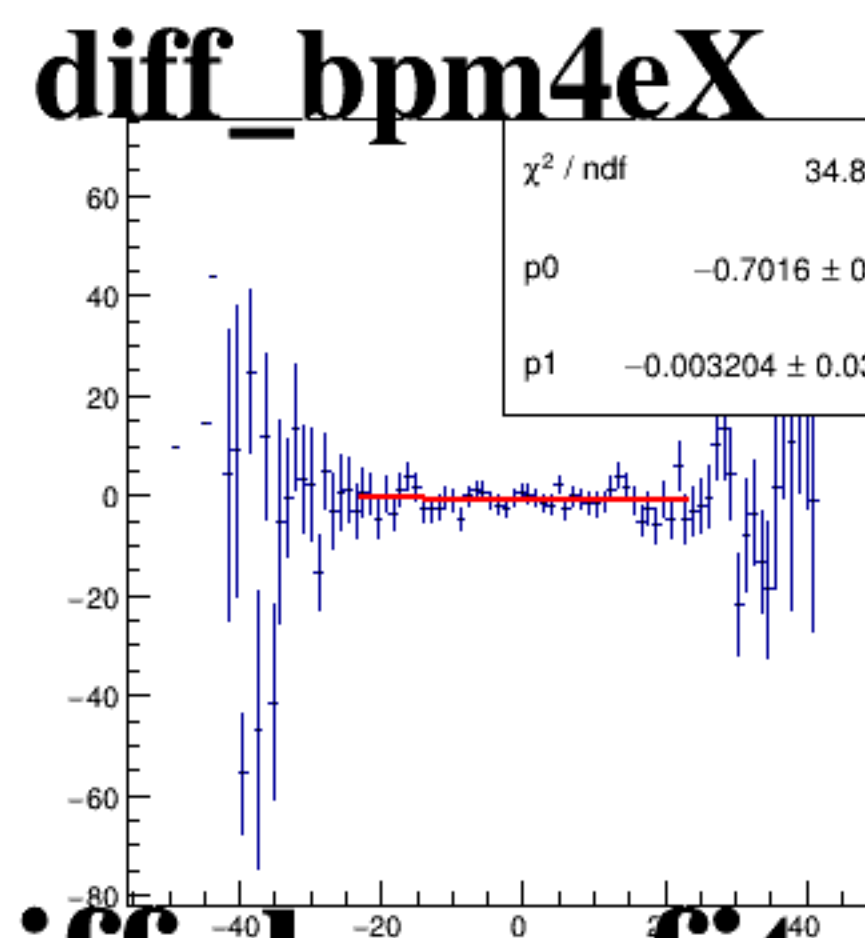
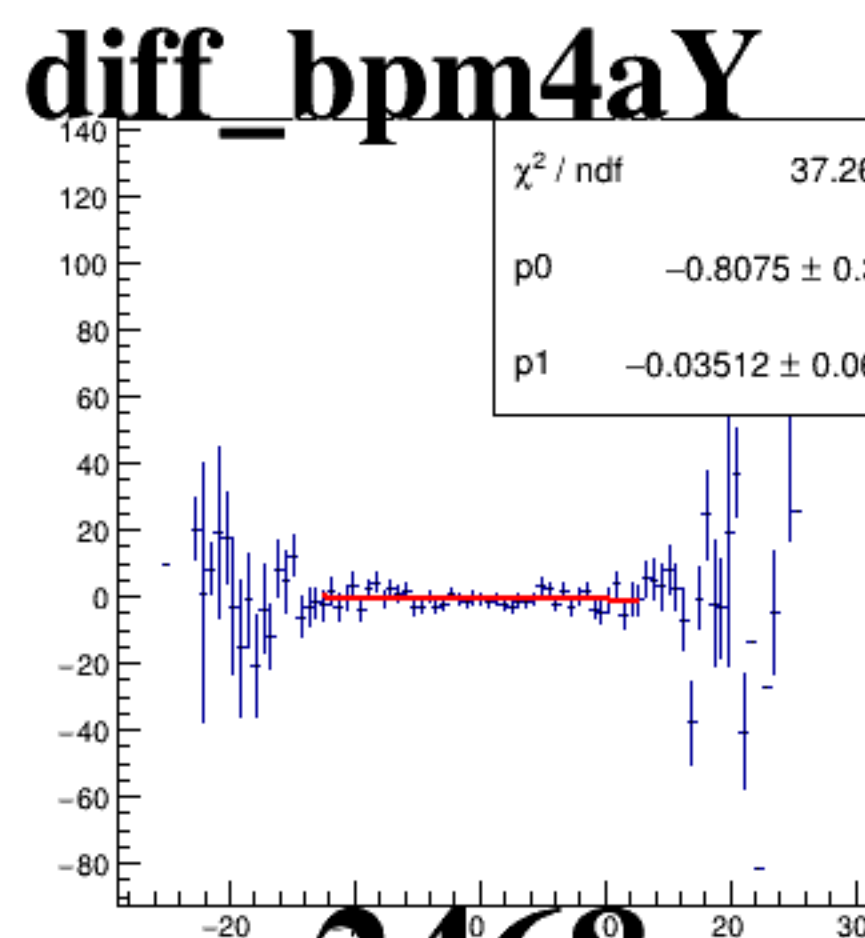
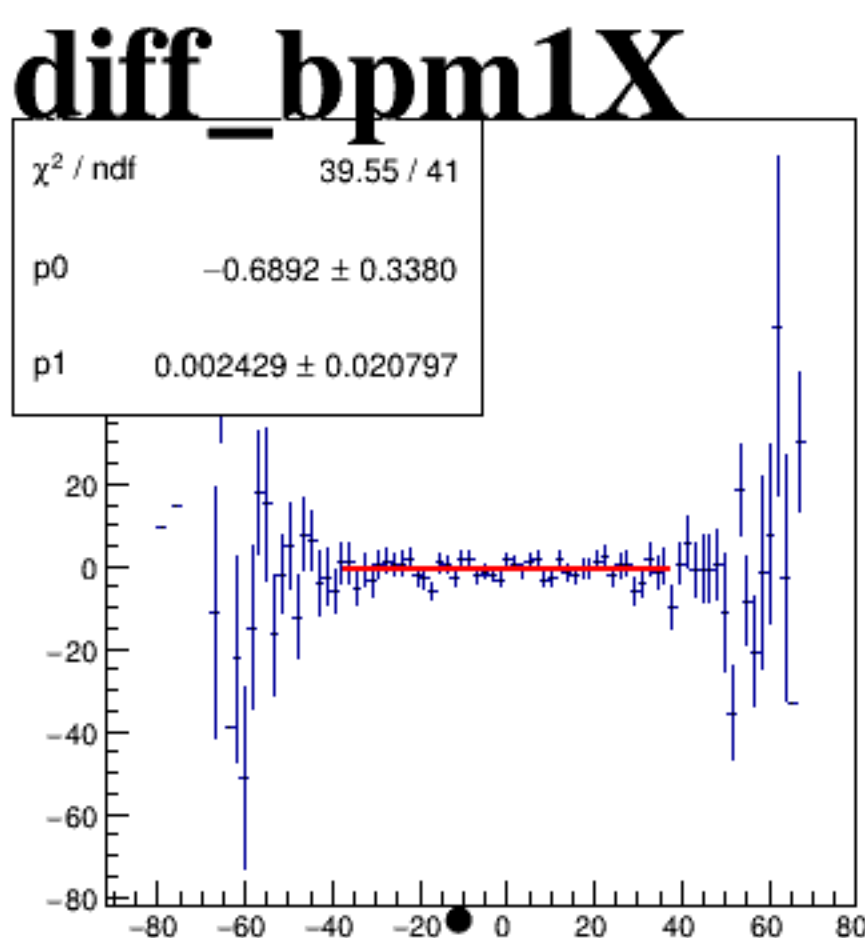
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reg\_asym\_sam6

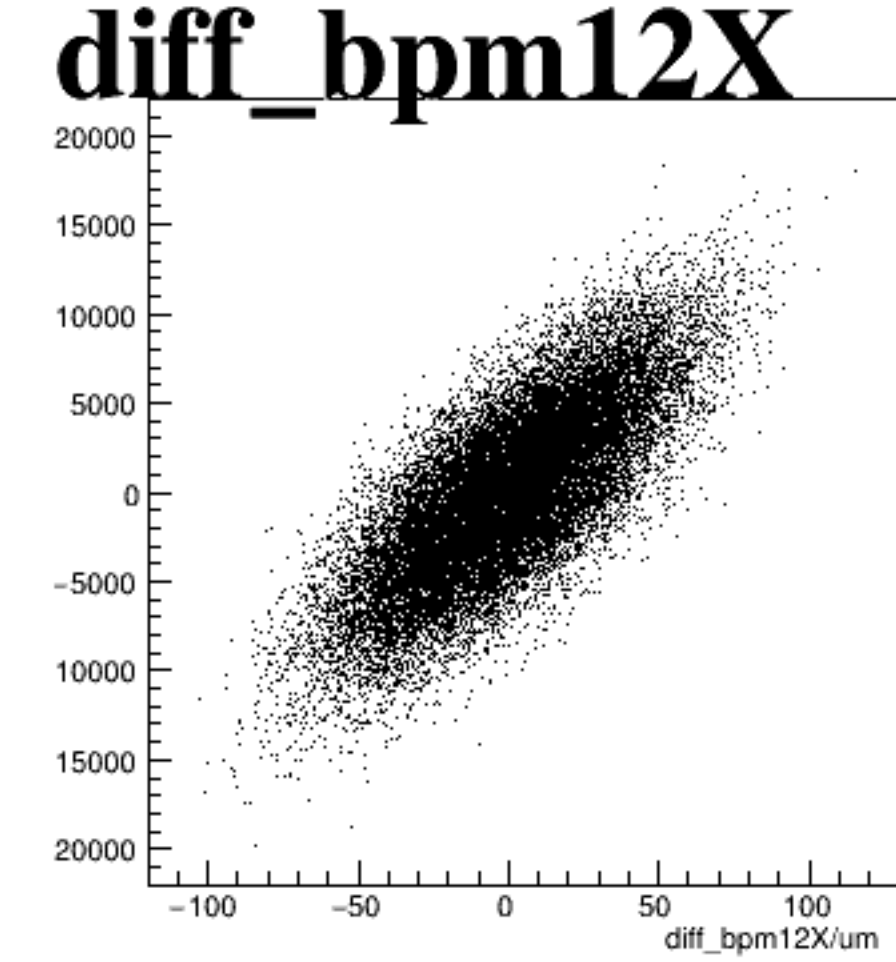
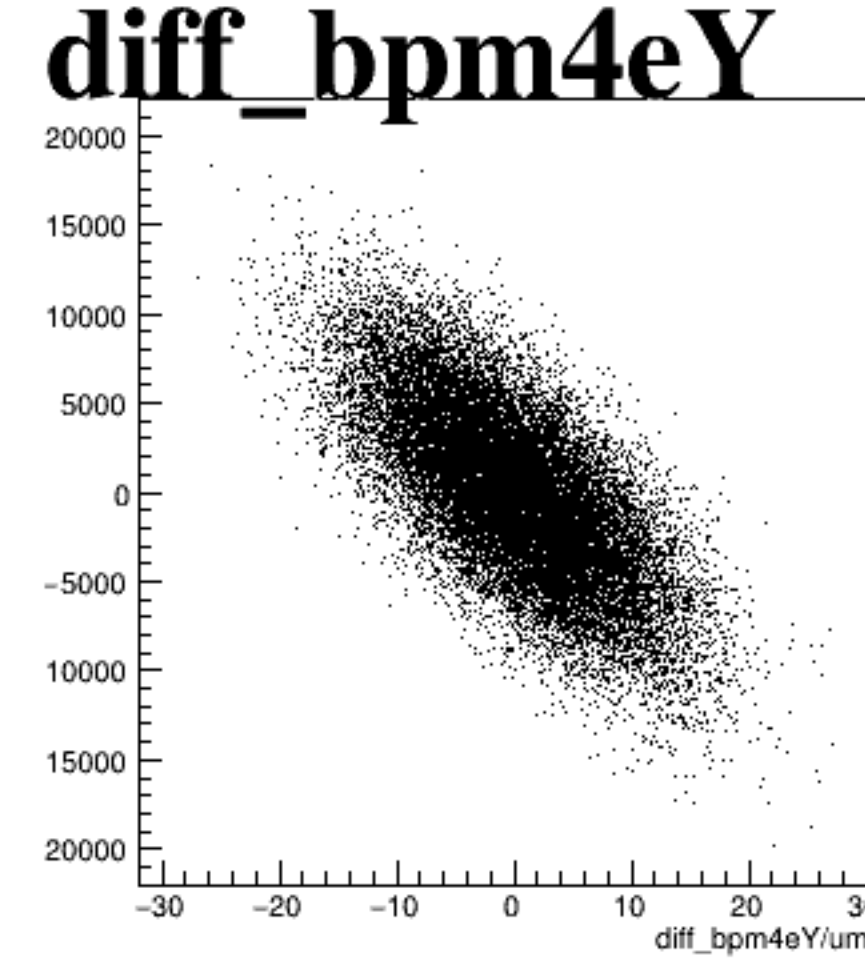
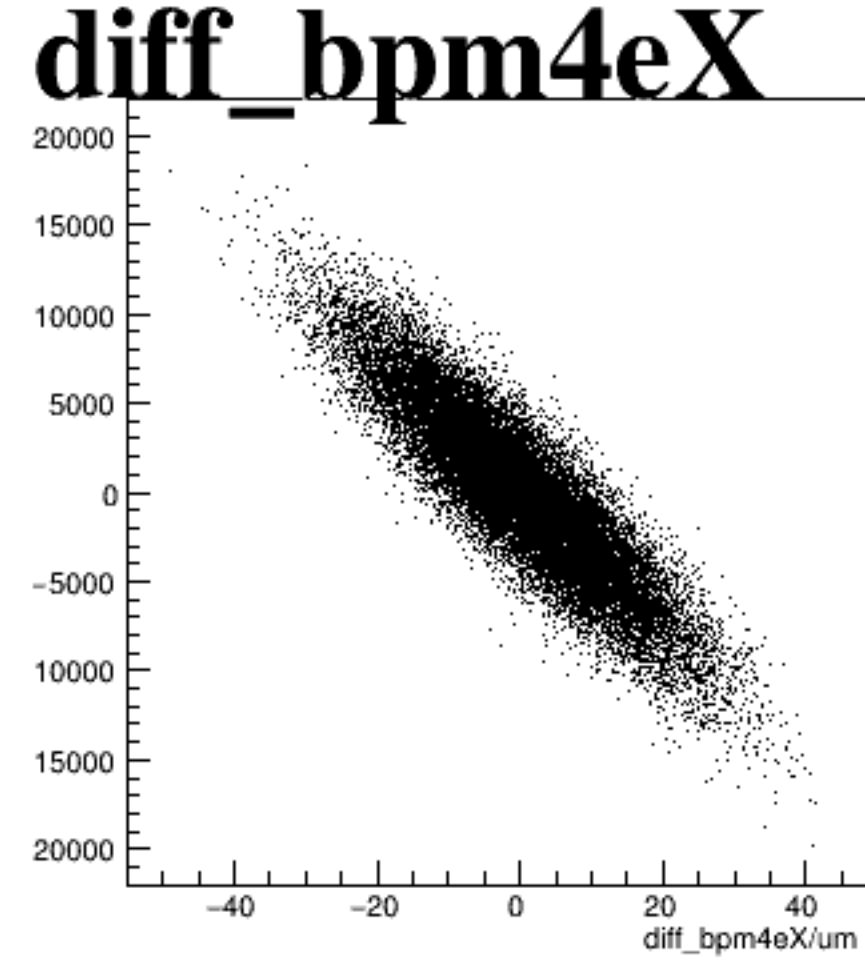
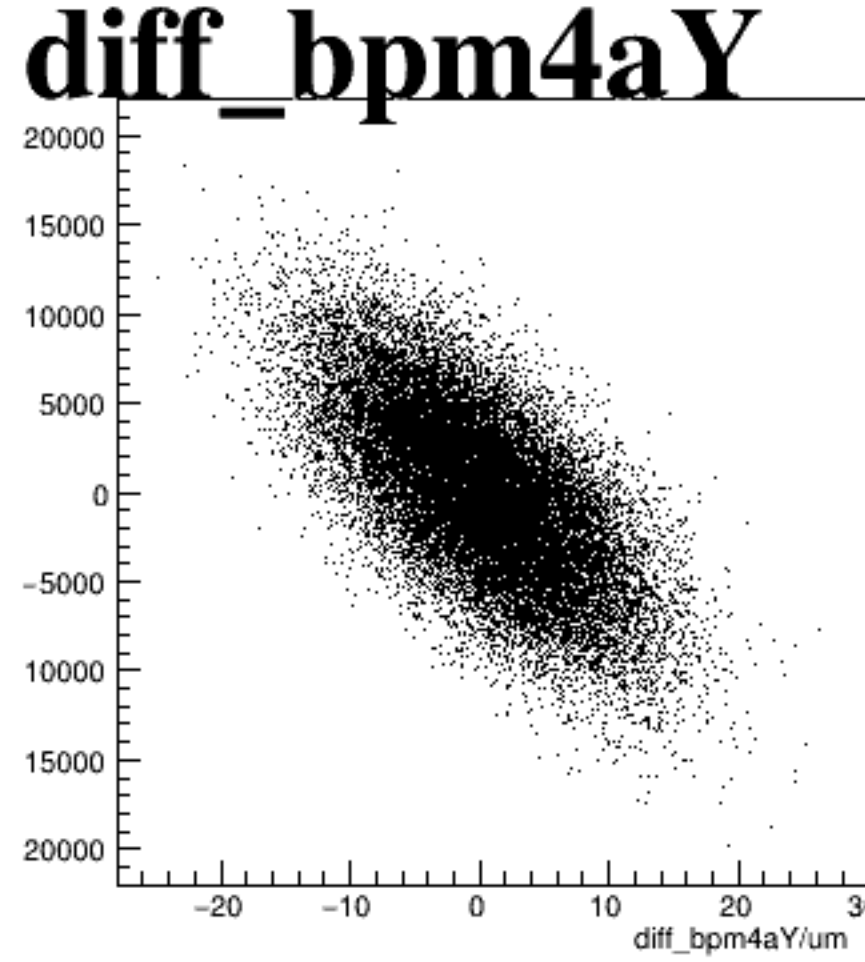
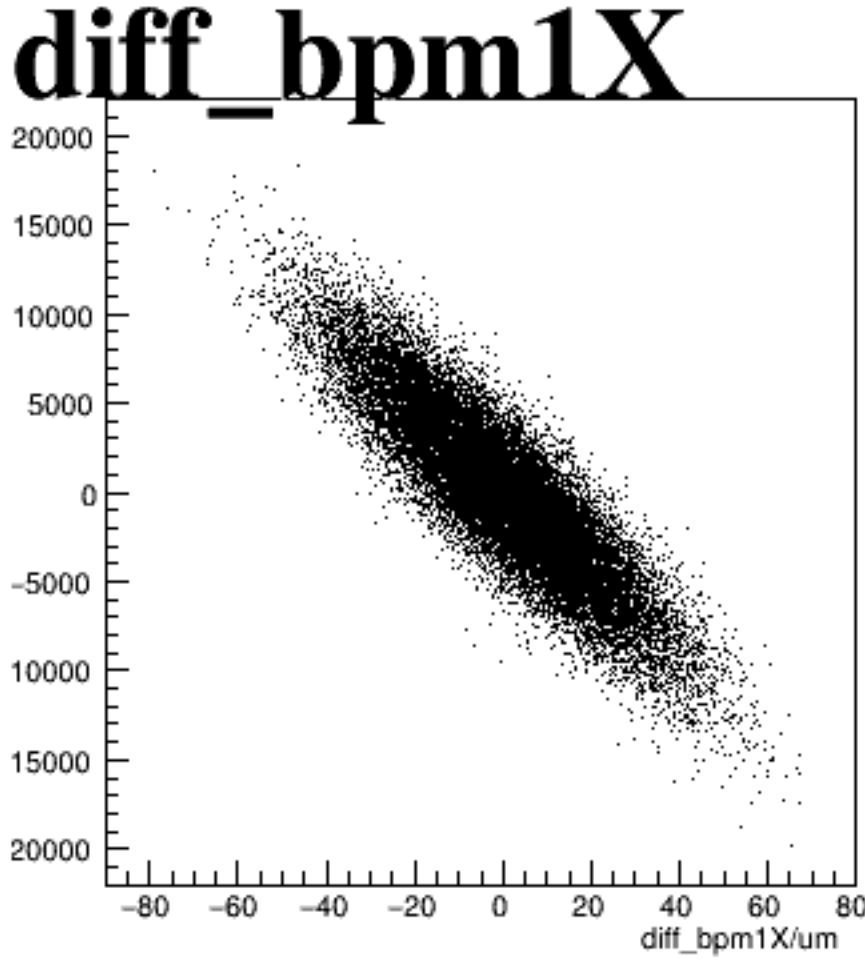


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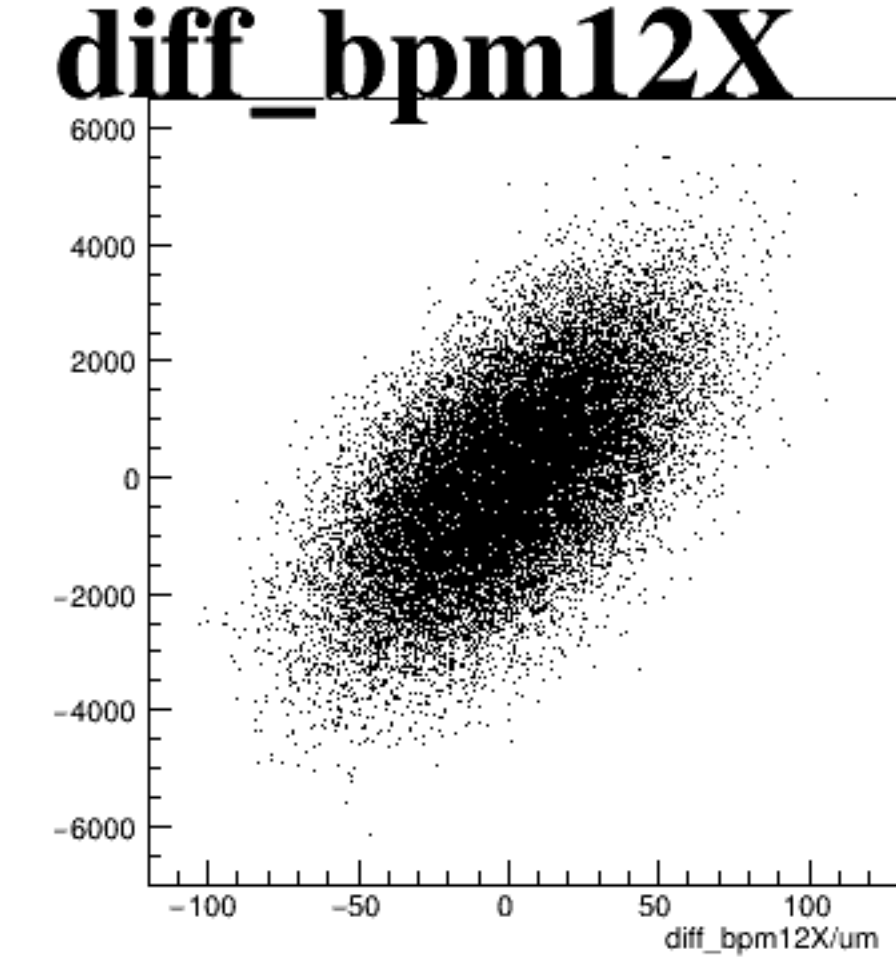
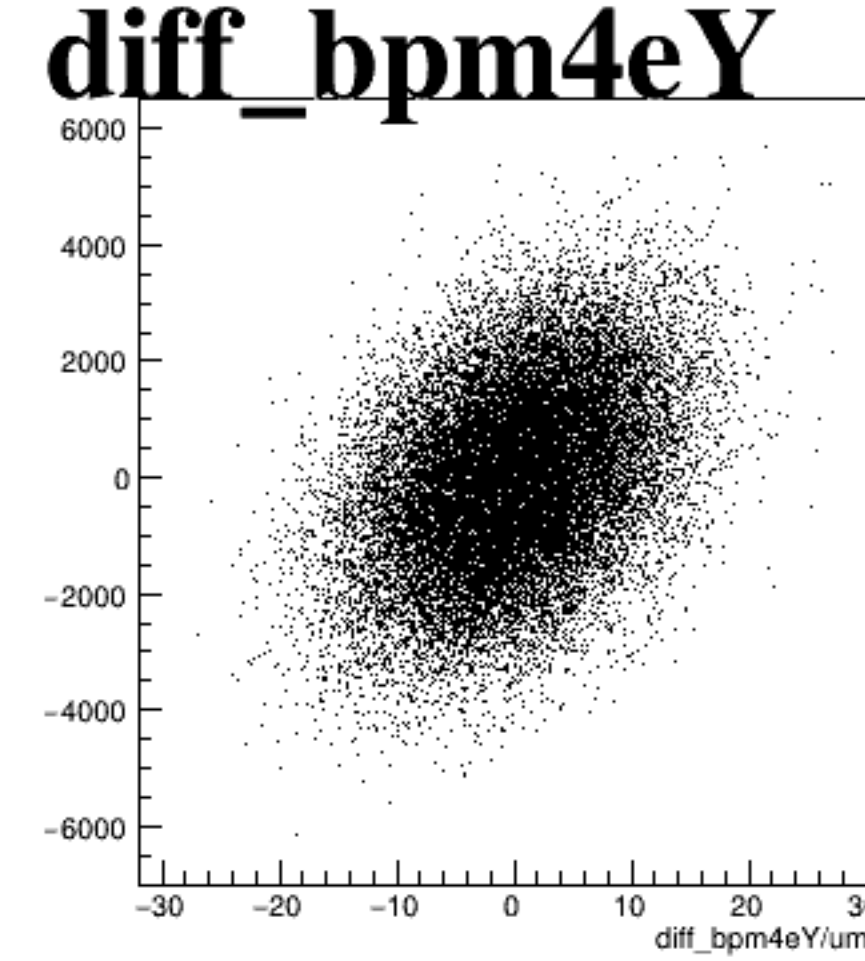
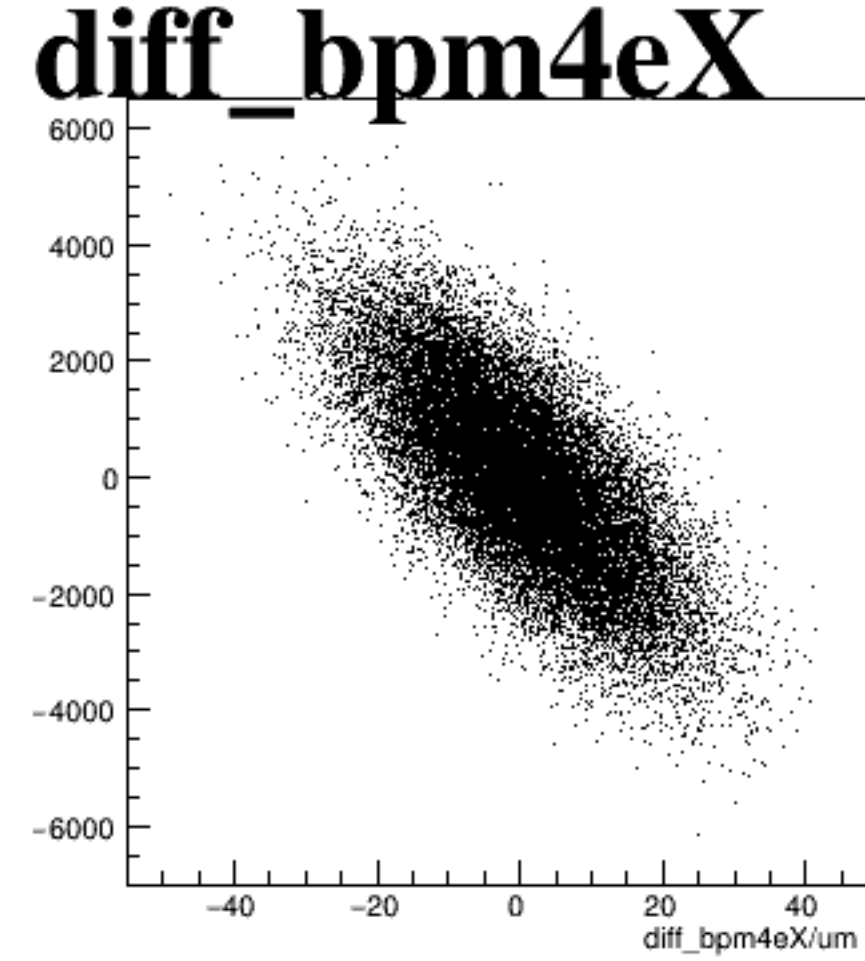
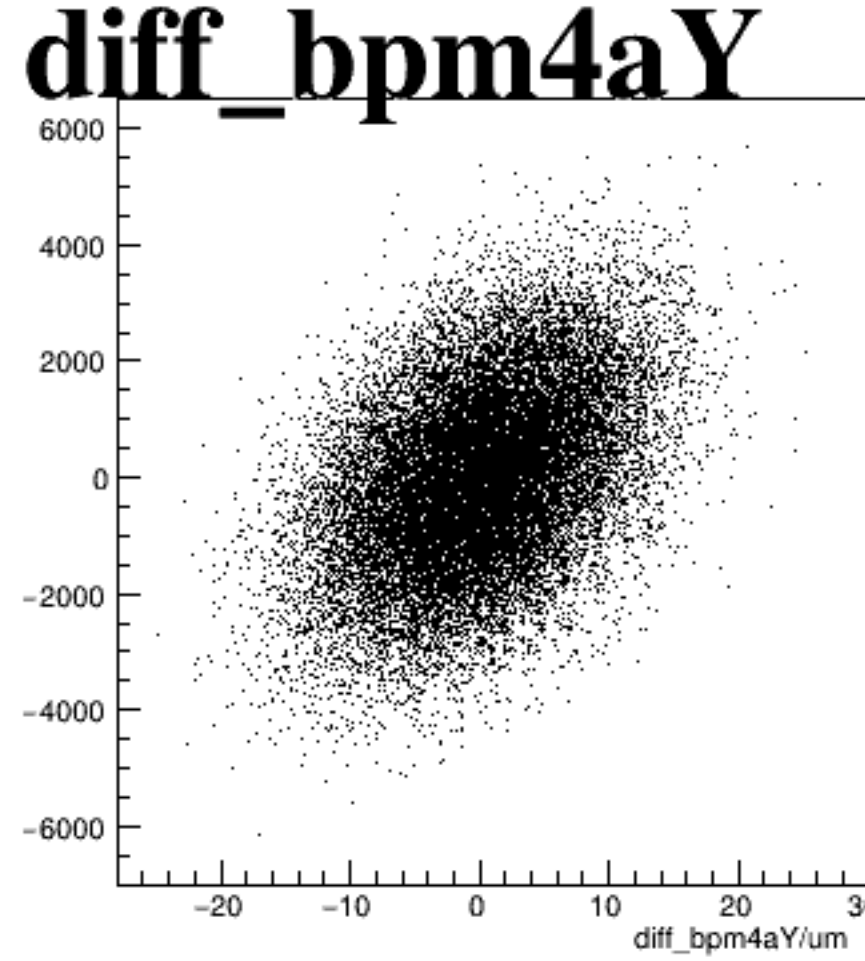
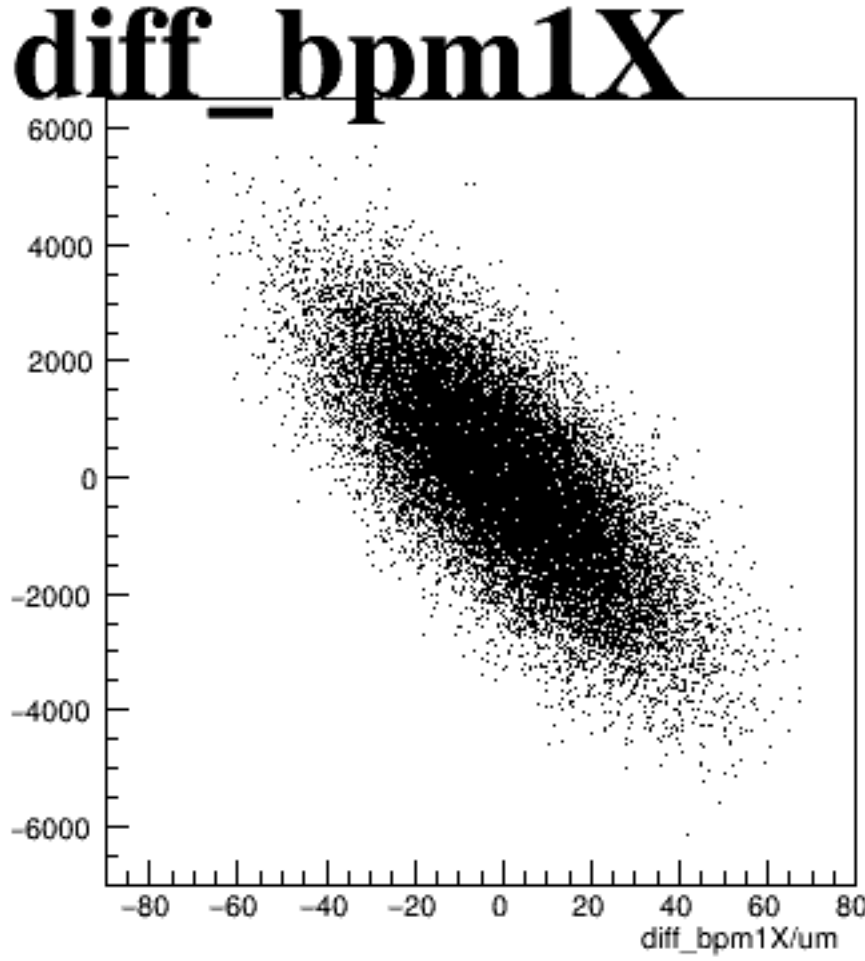




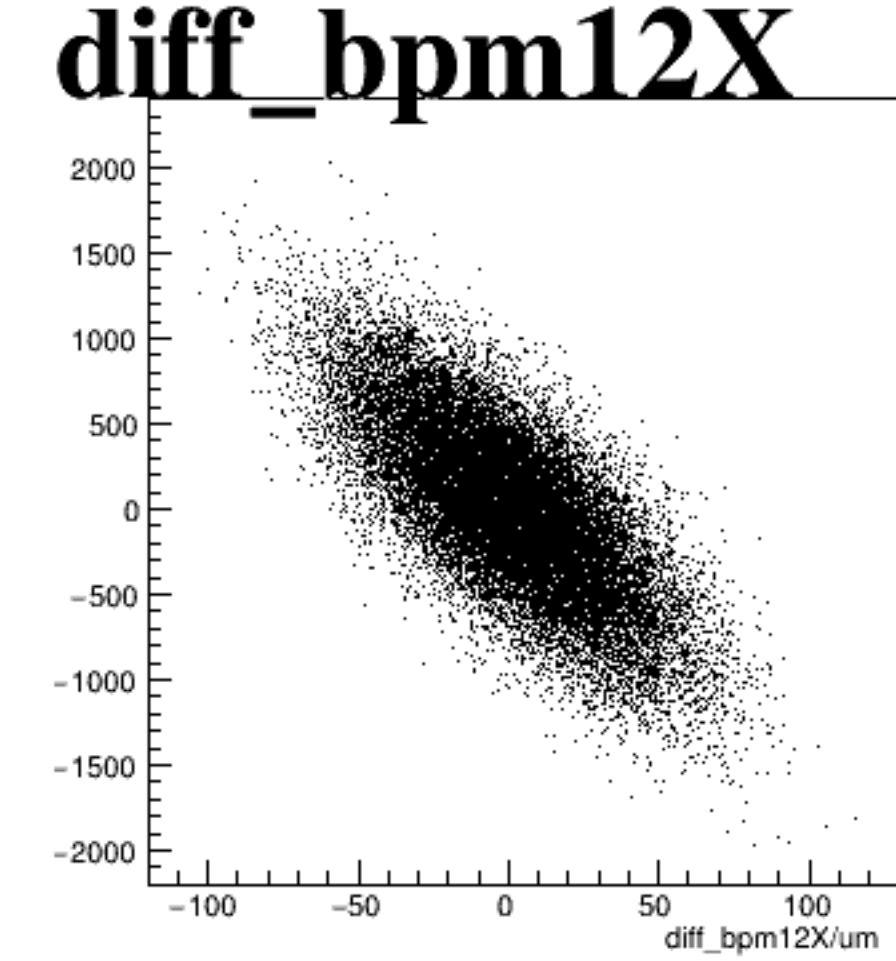
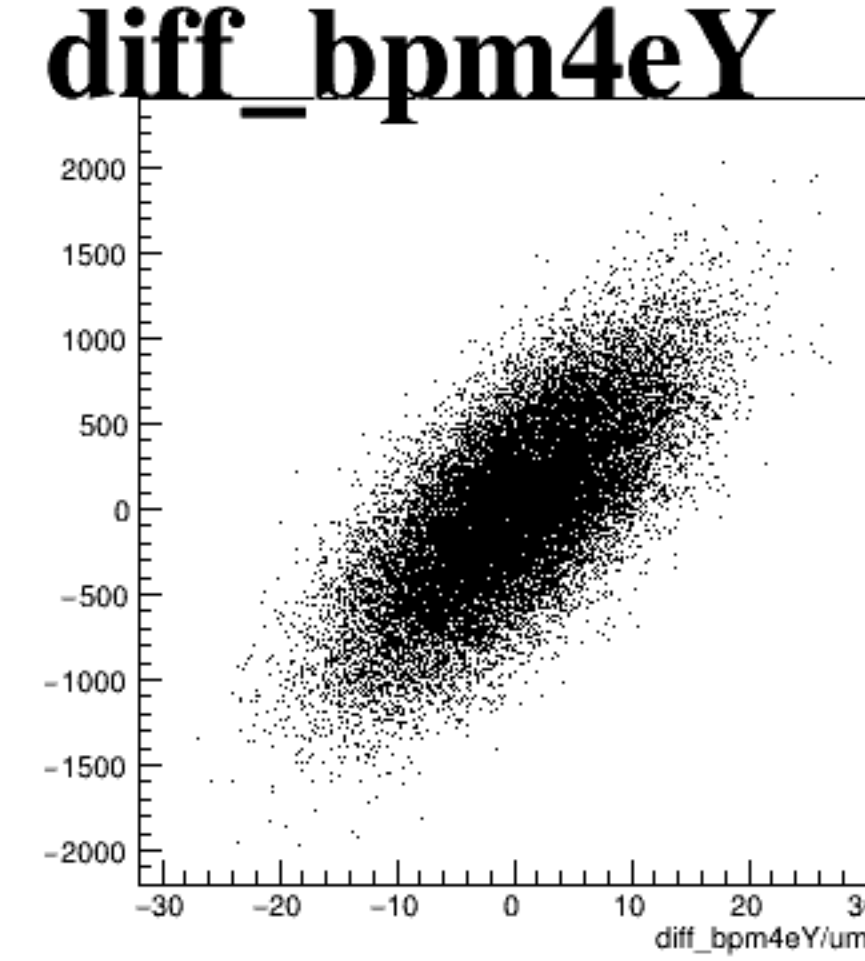
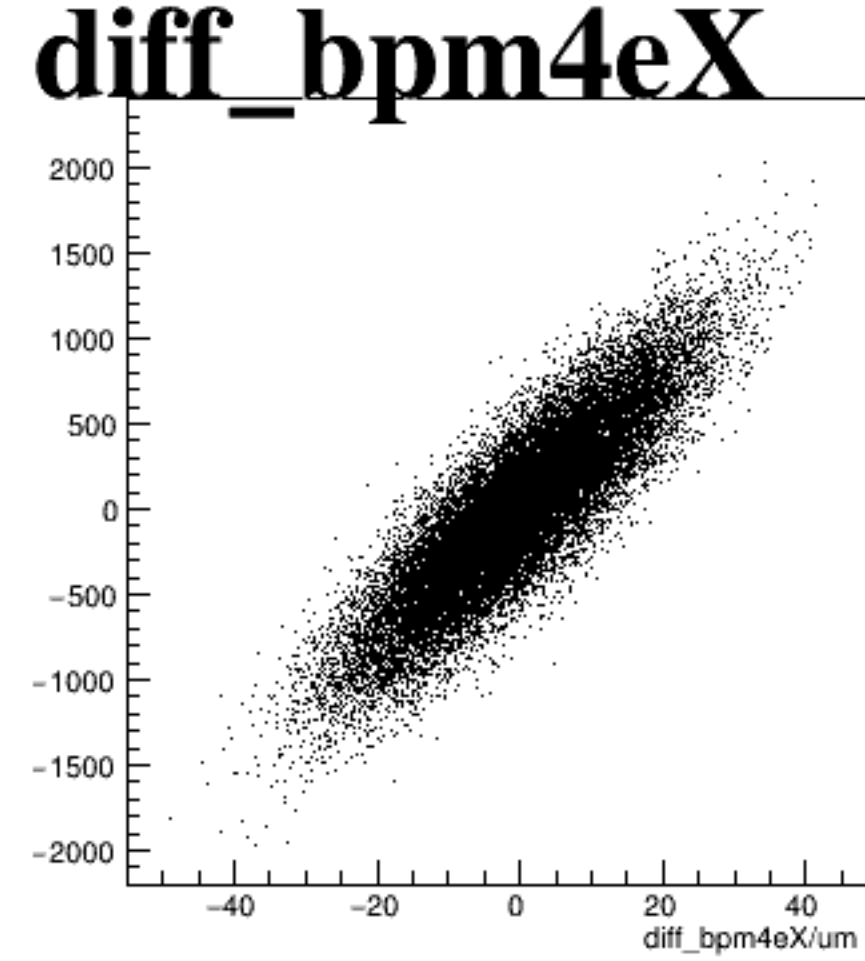
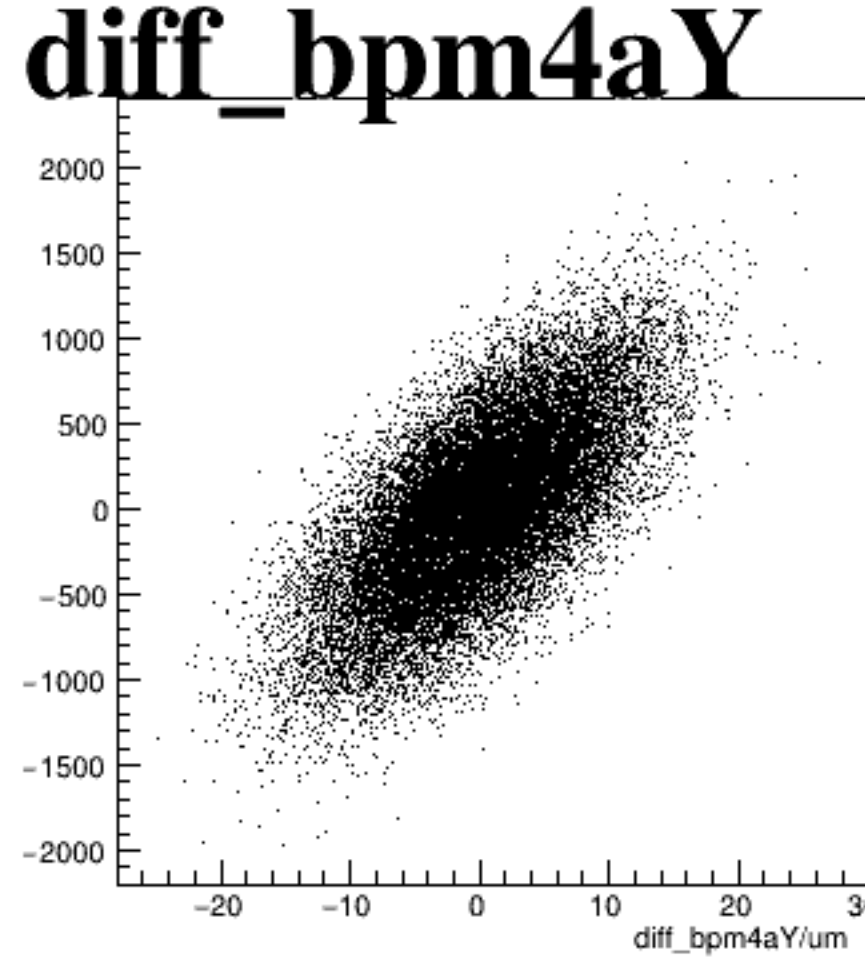
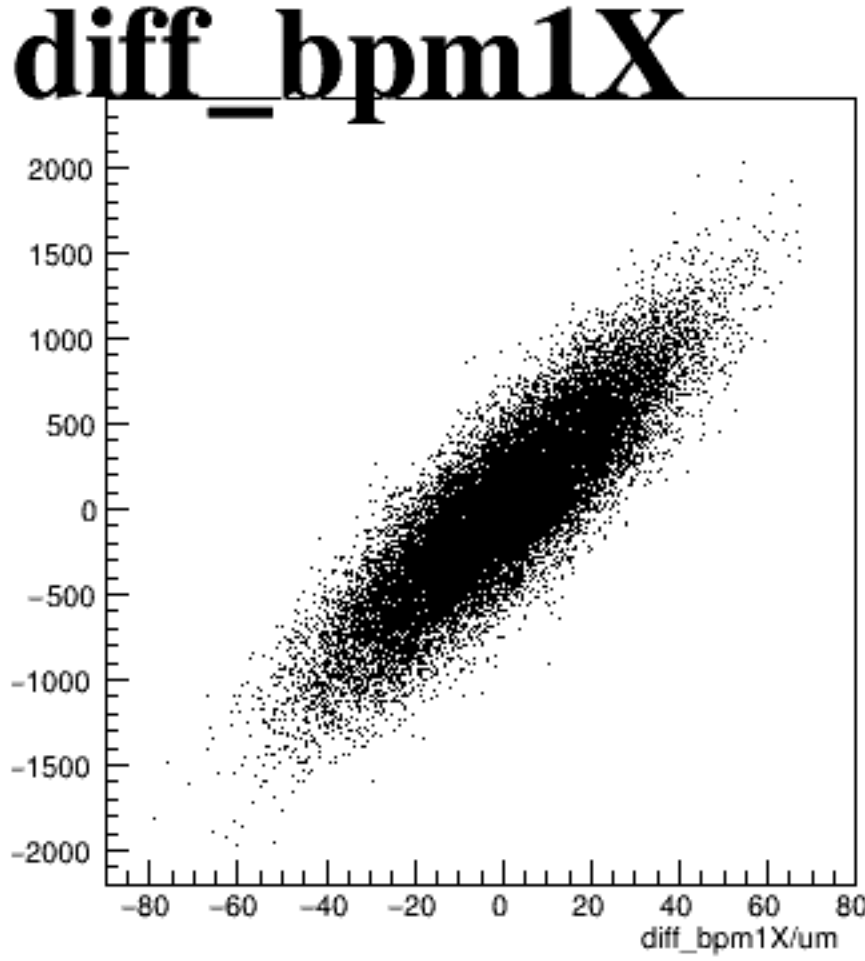
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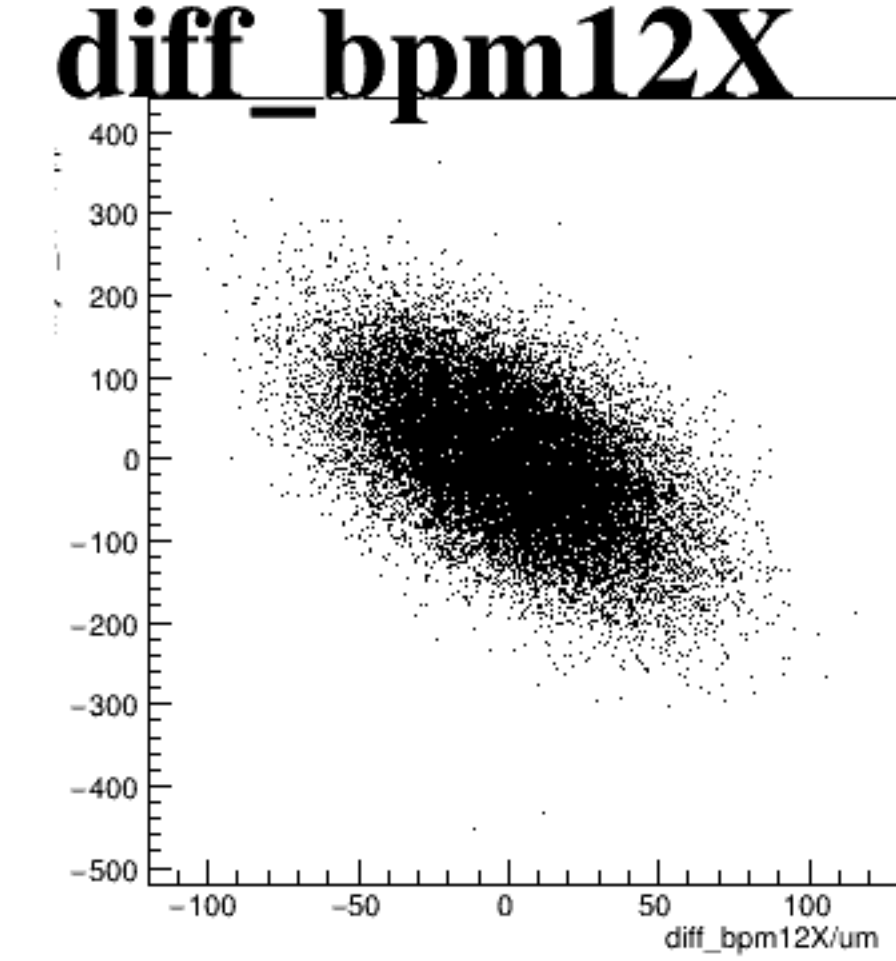
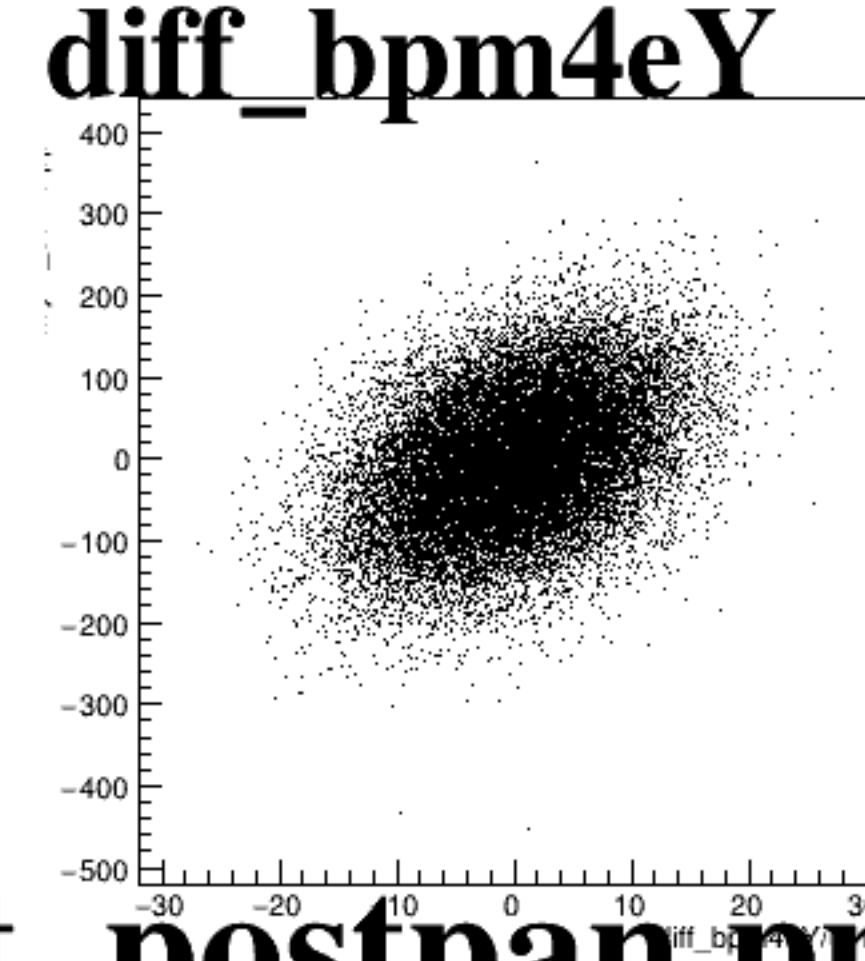
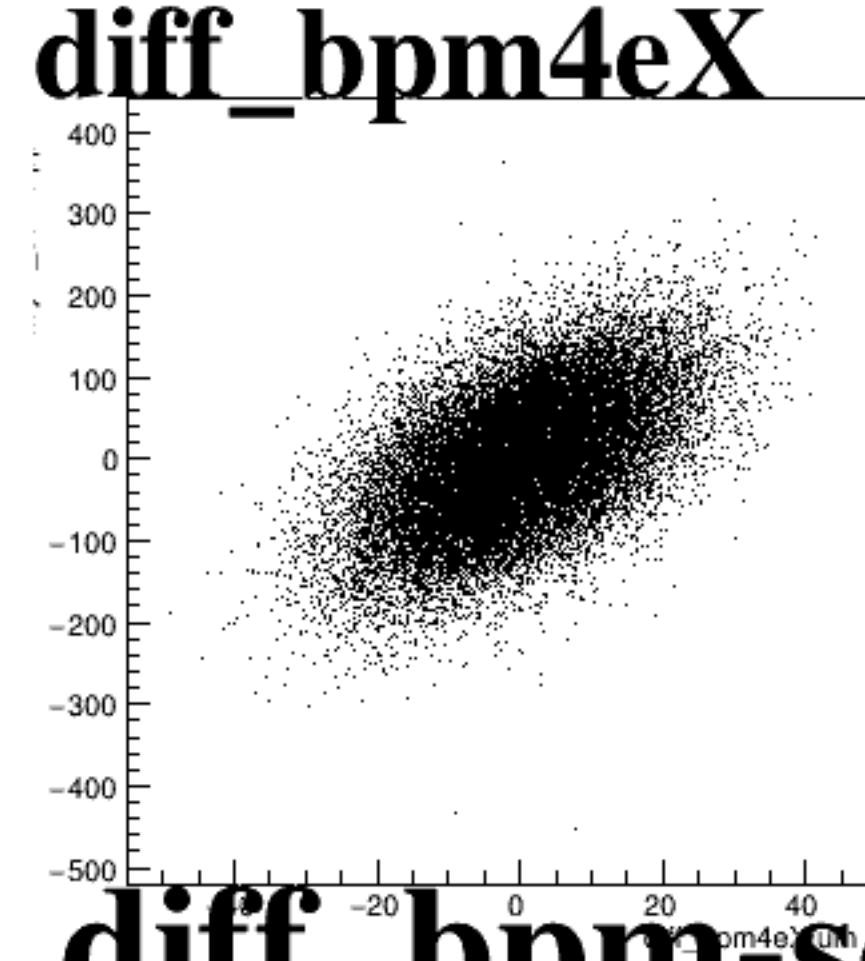
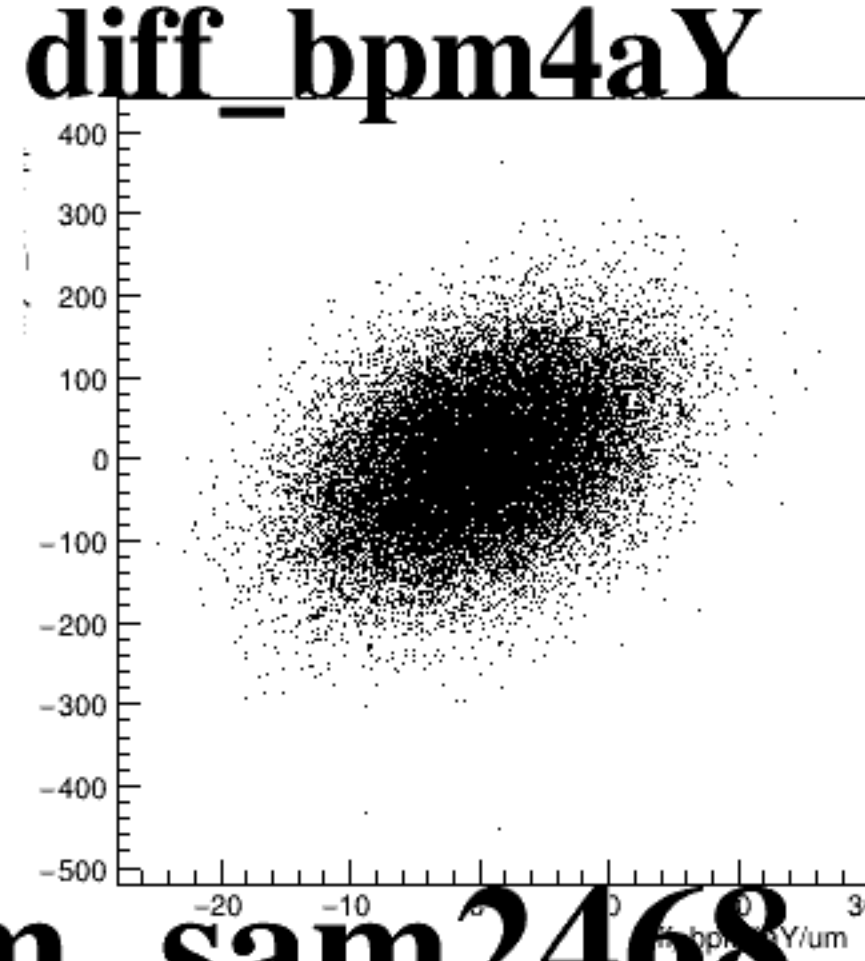
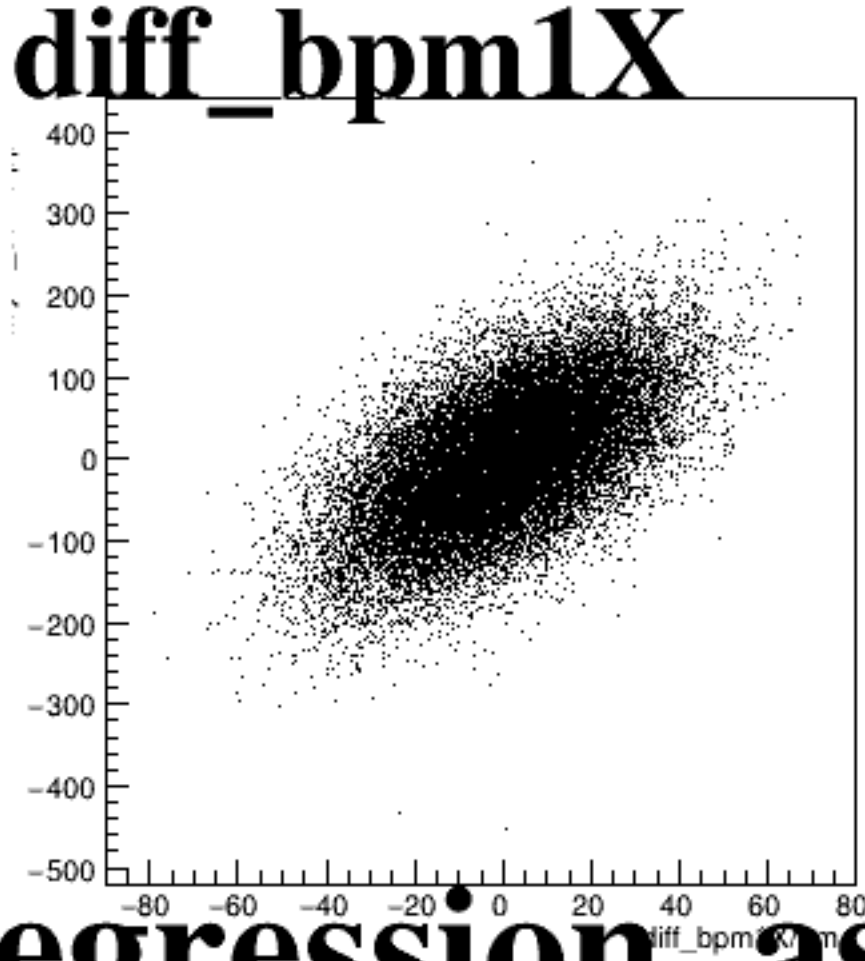
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asym\_sam6



asym\_sam8

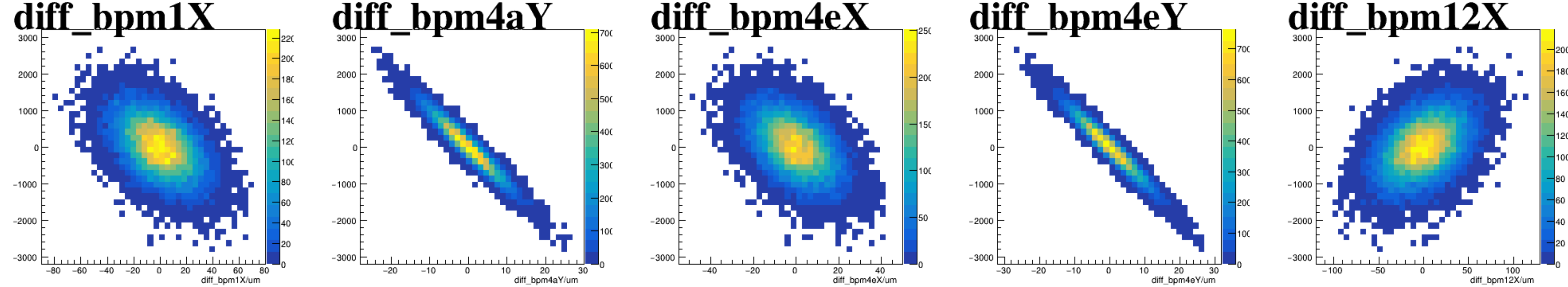




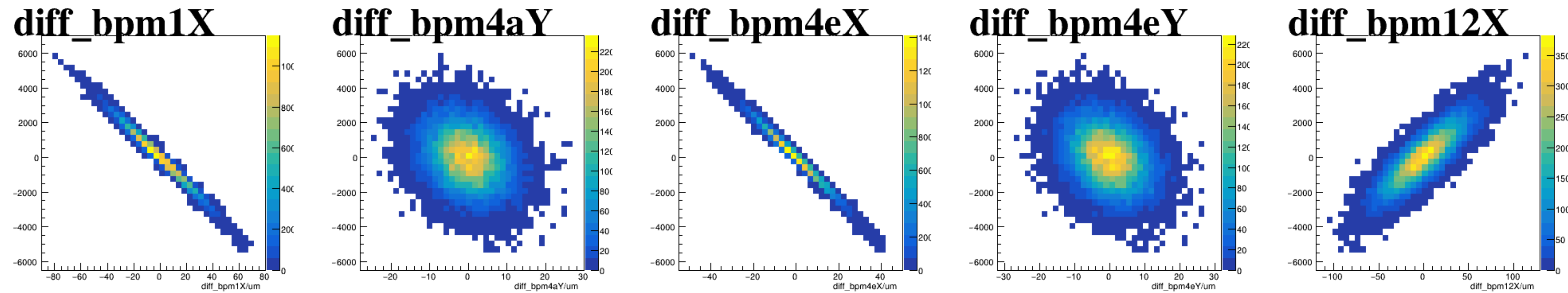




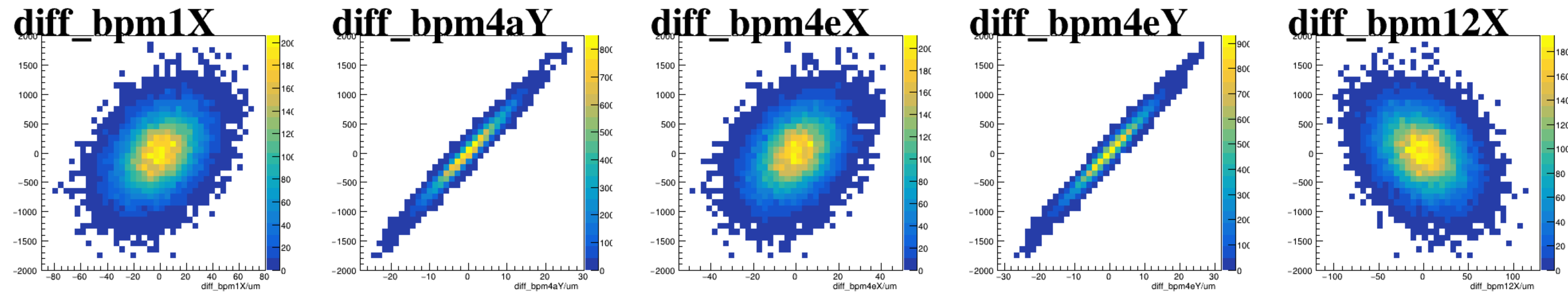
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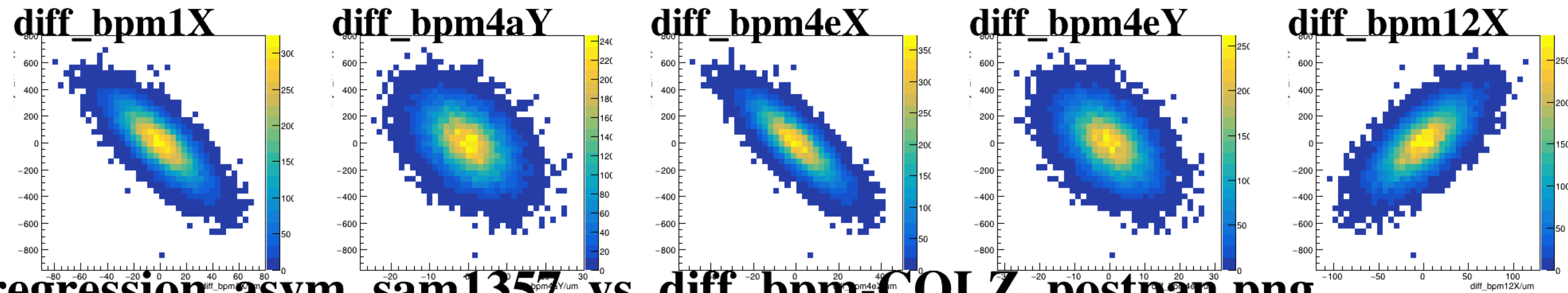
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asym\_sam5

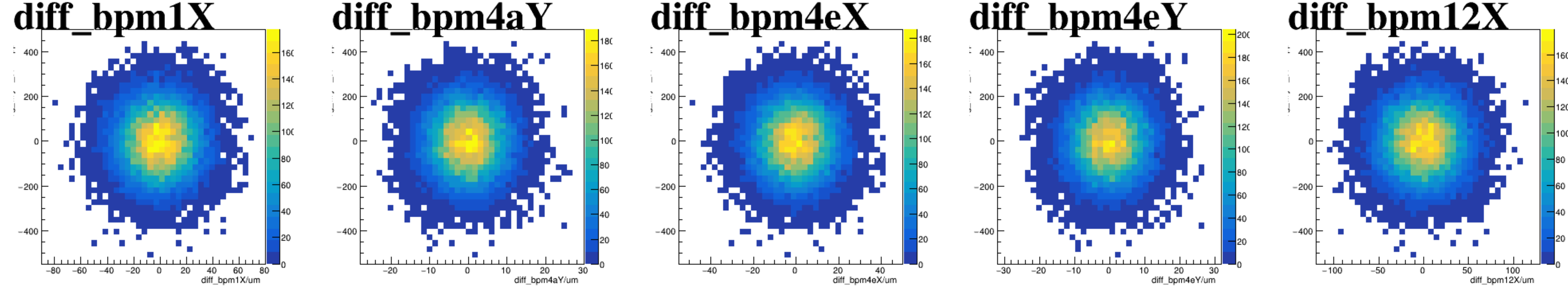


asym\_sam7

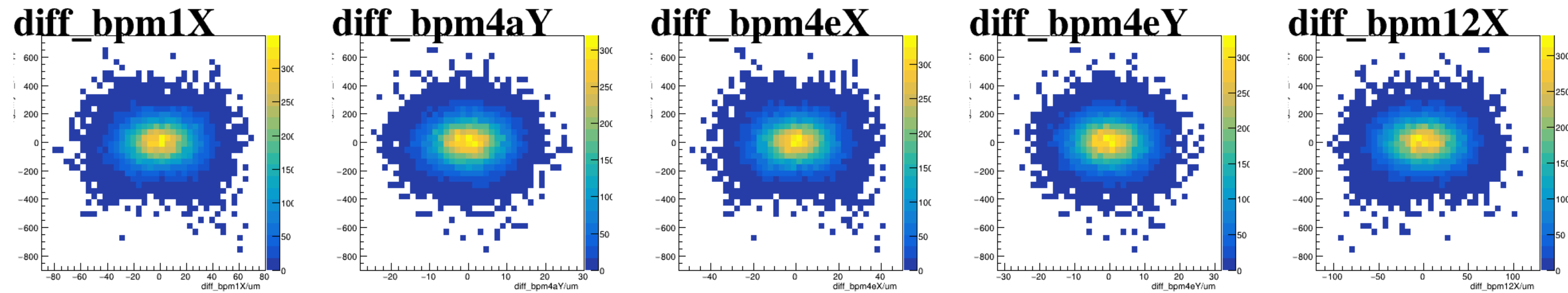




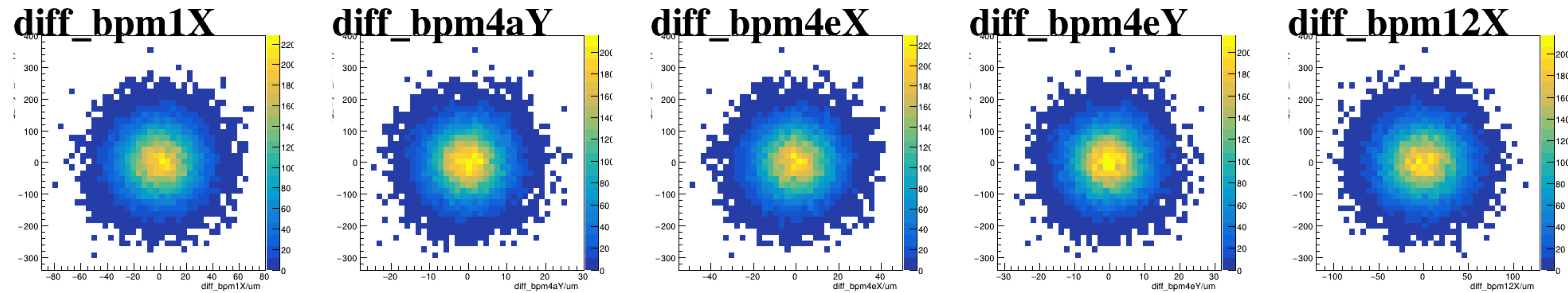
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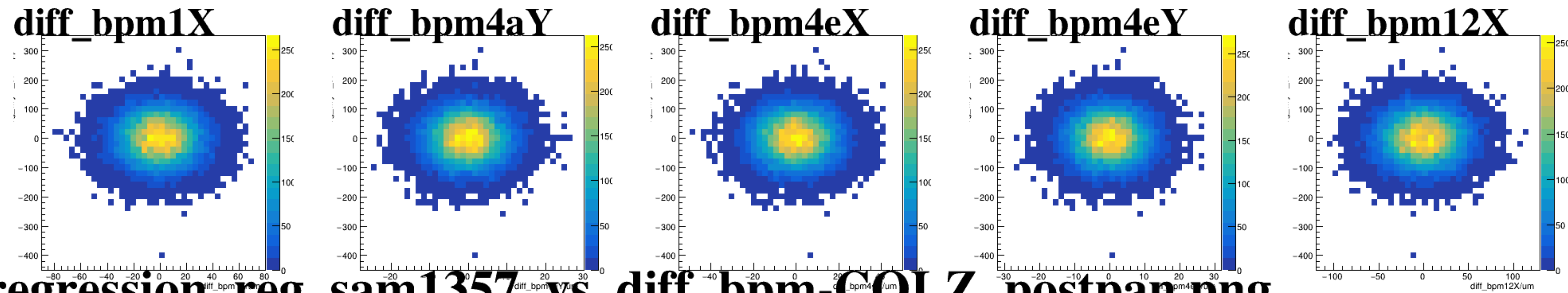
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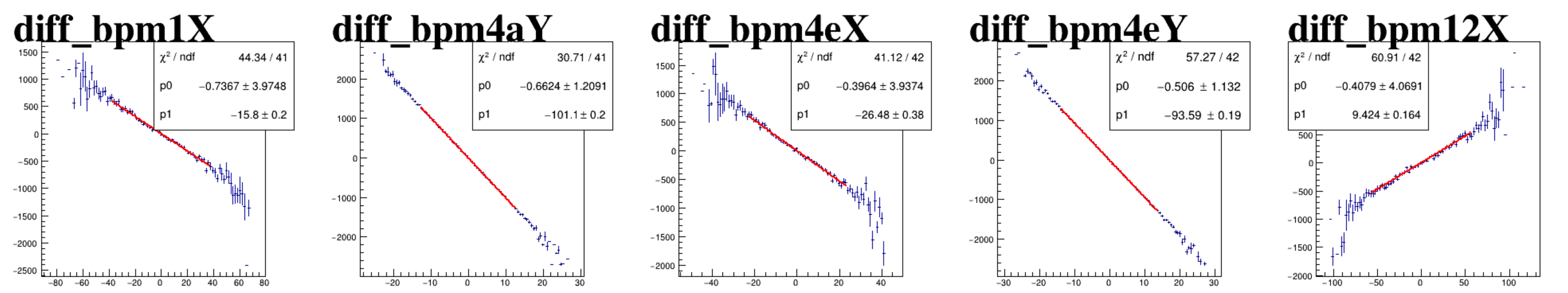


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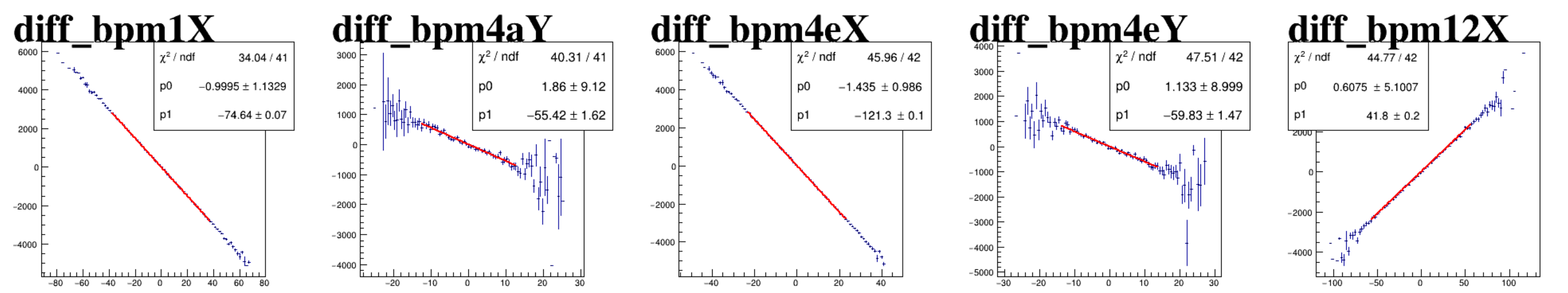




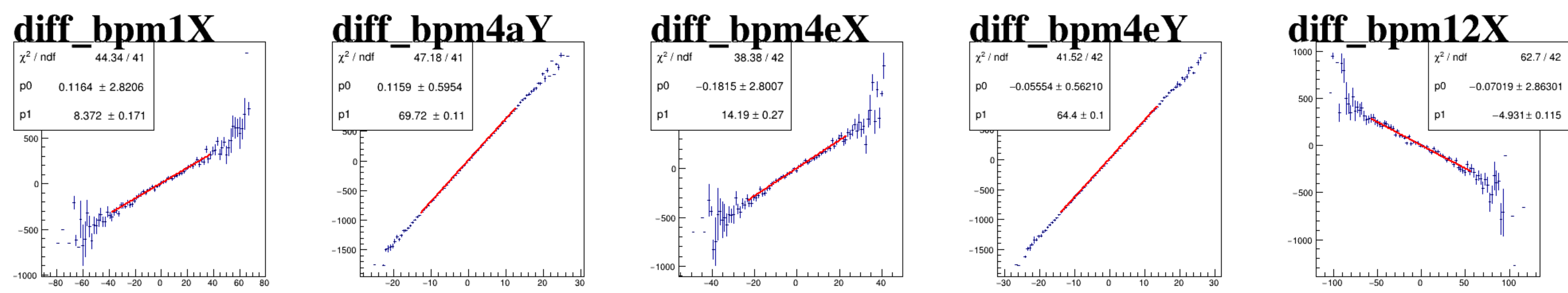
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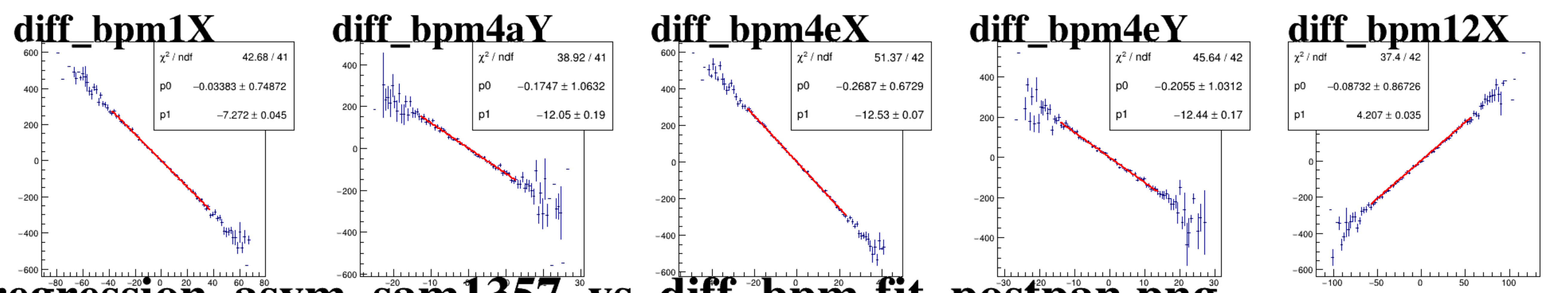
asym\_sam3



asym\_sam5

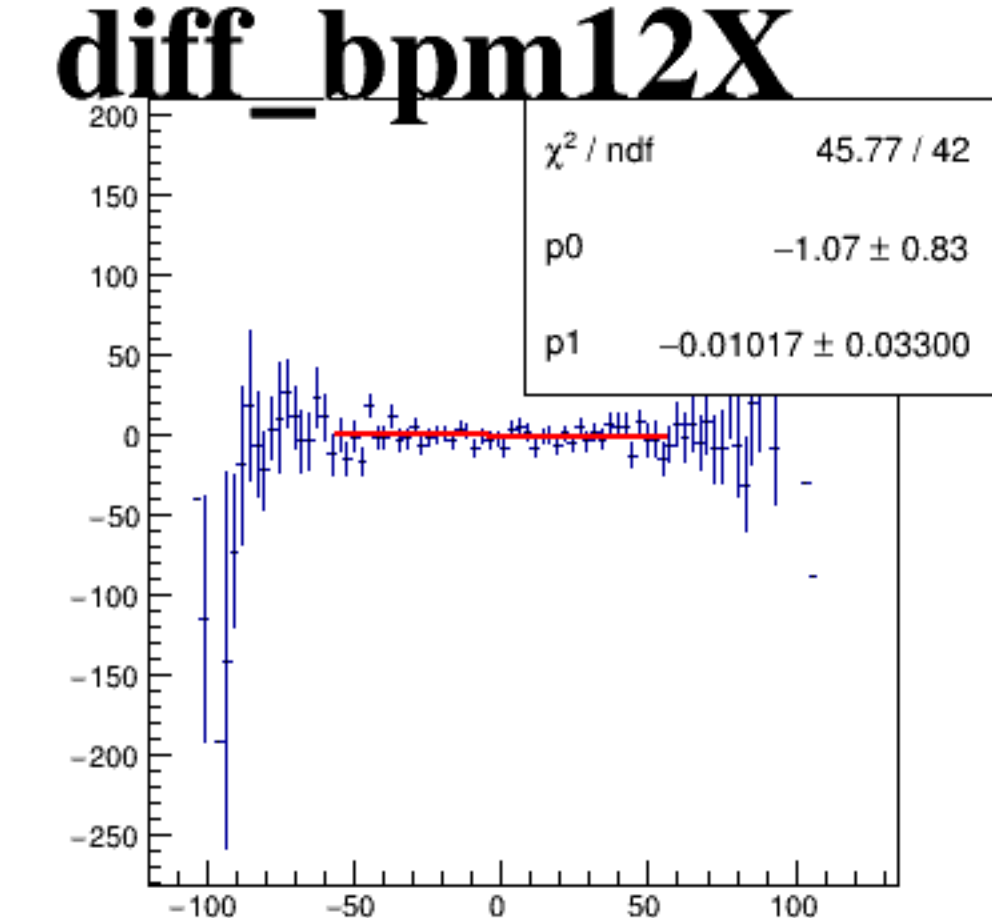
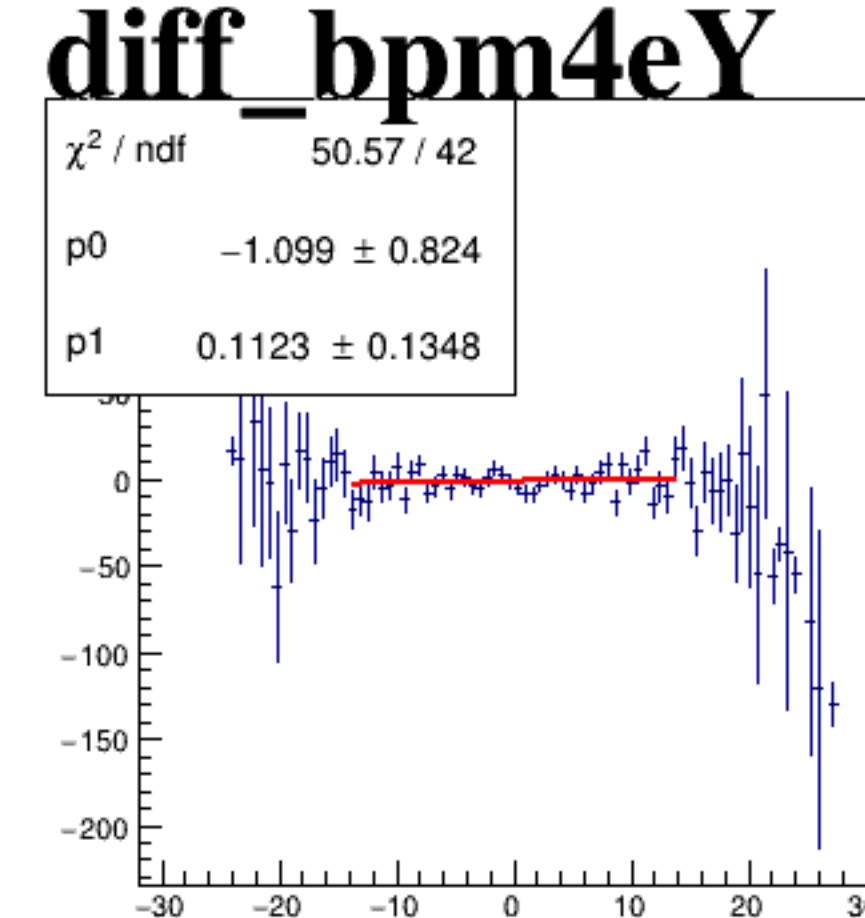
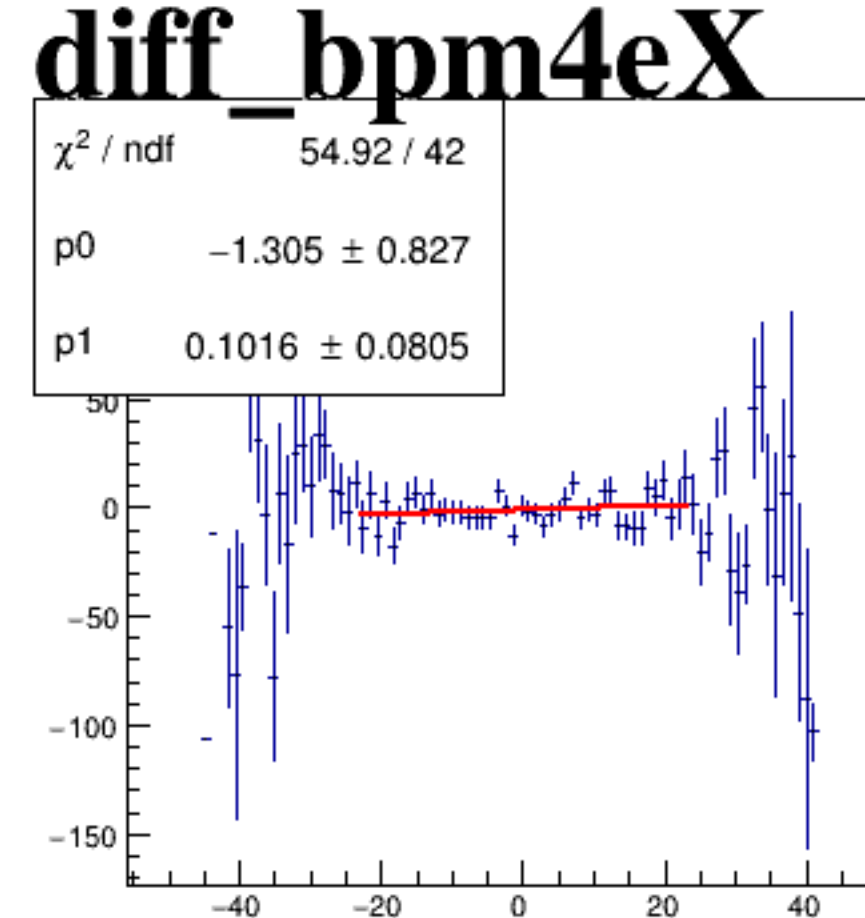
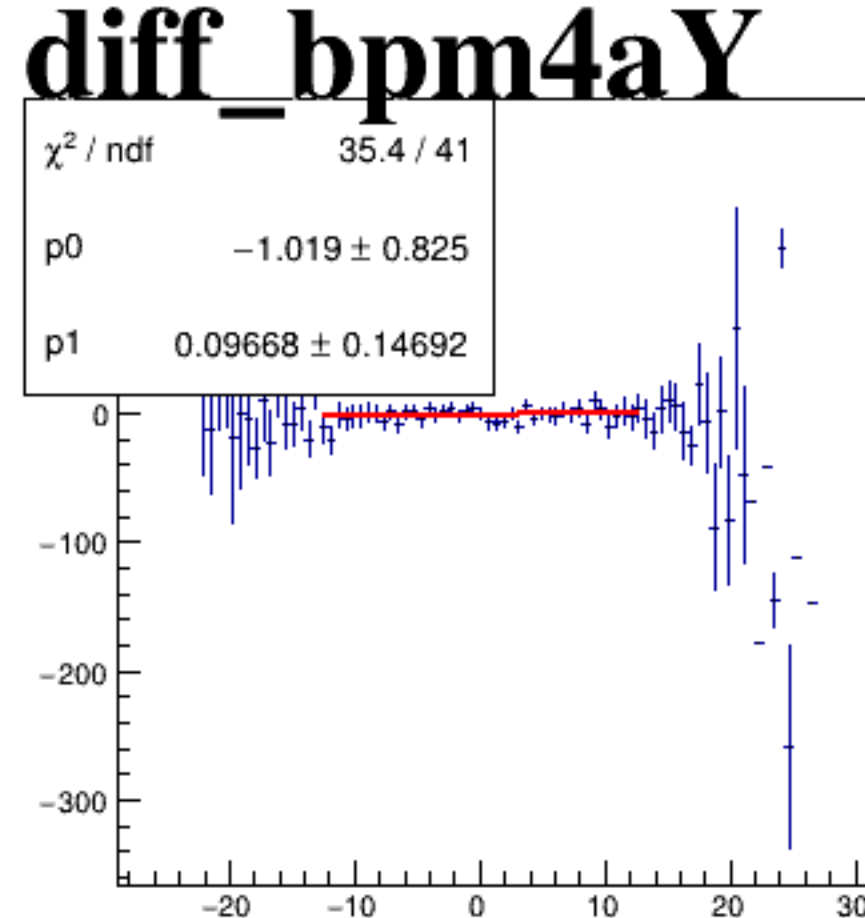
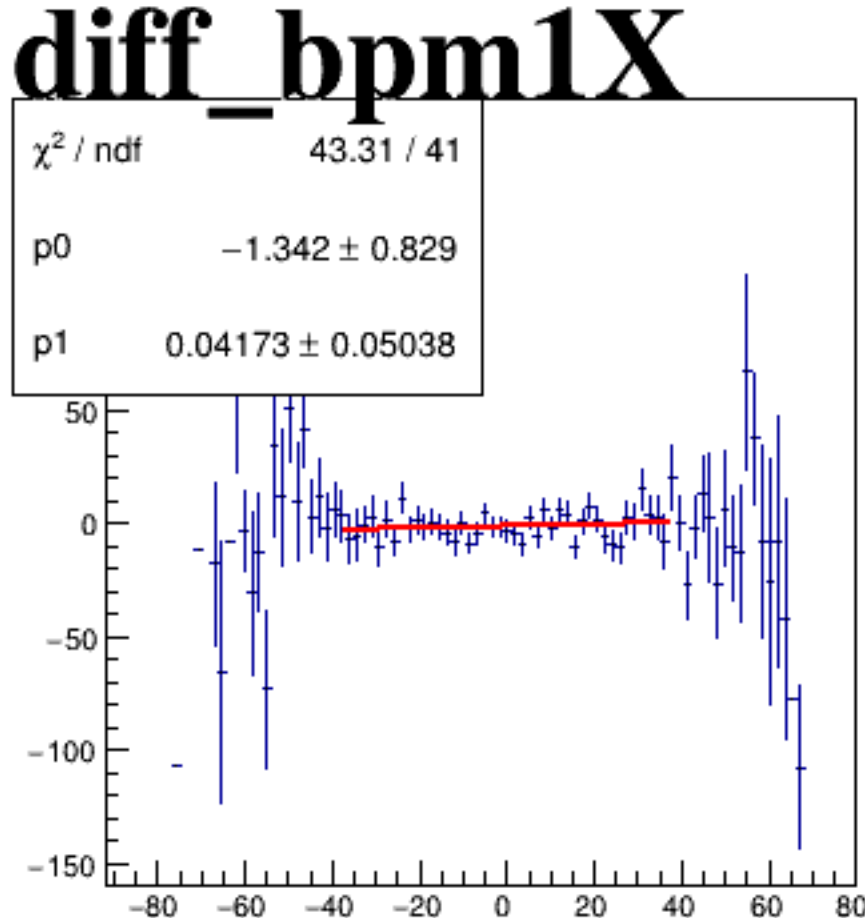


asym\_sam7

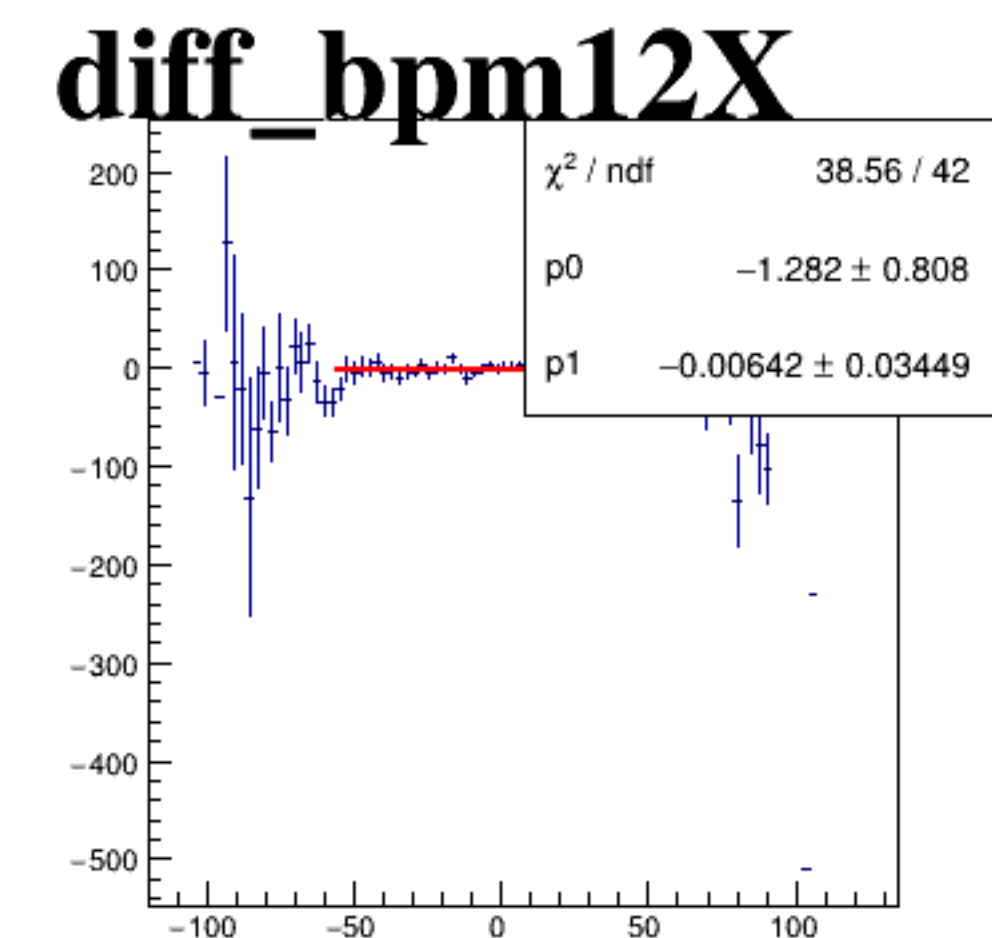
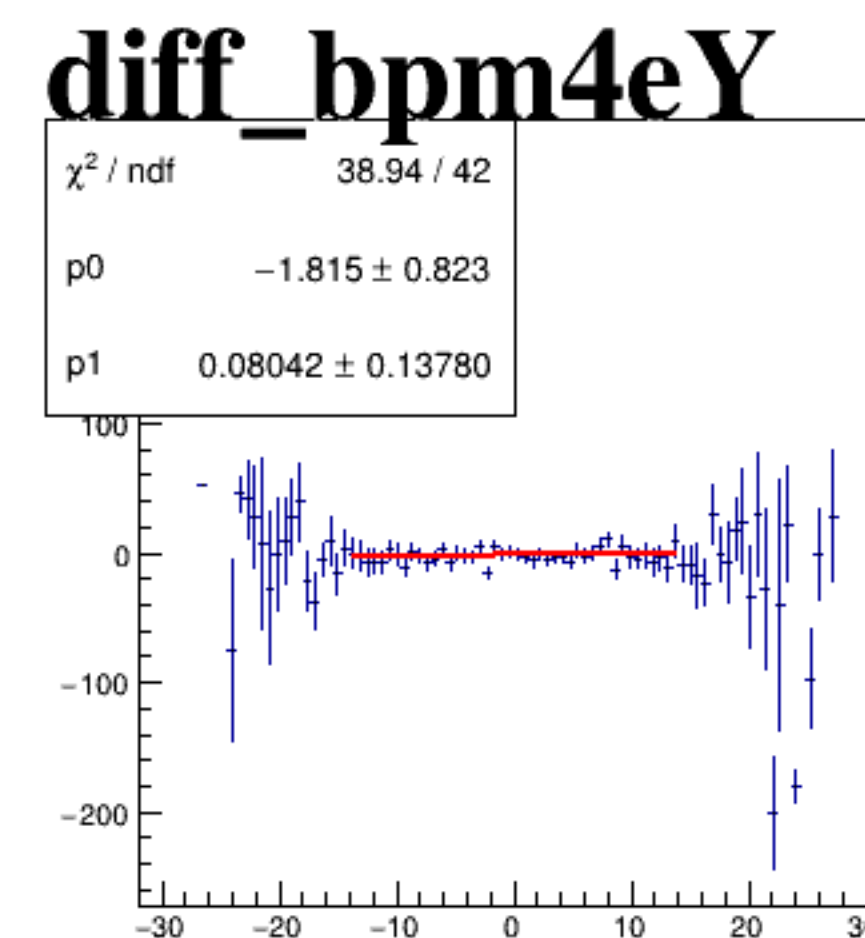
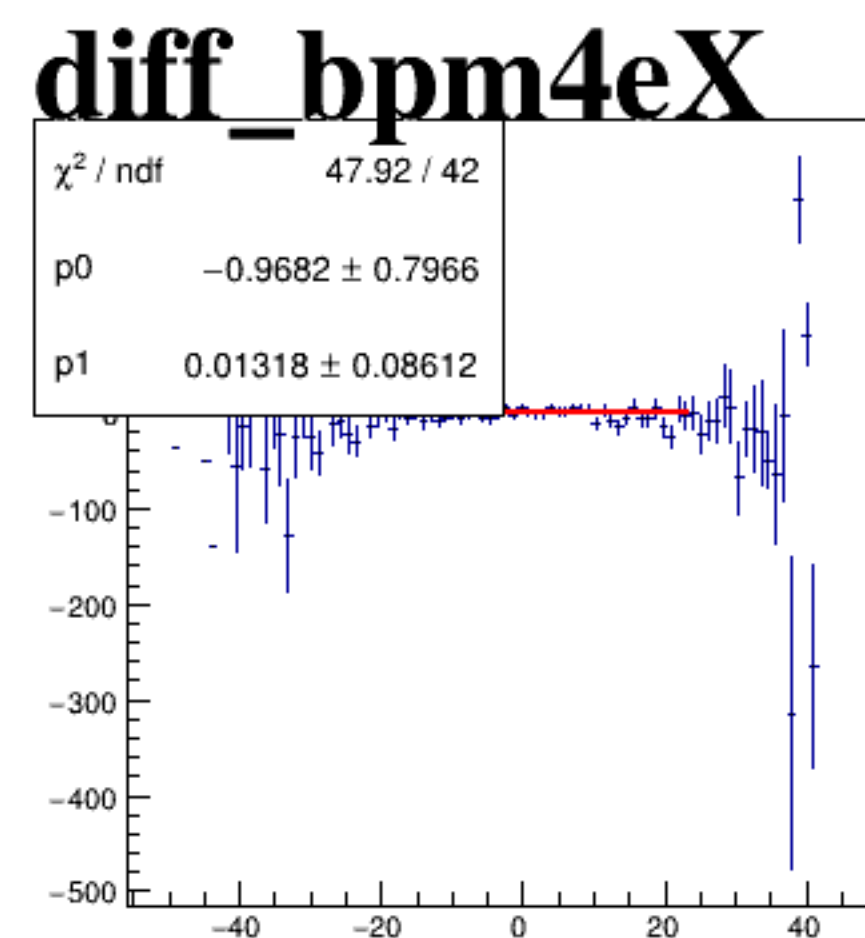
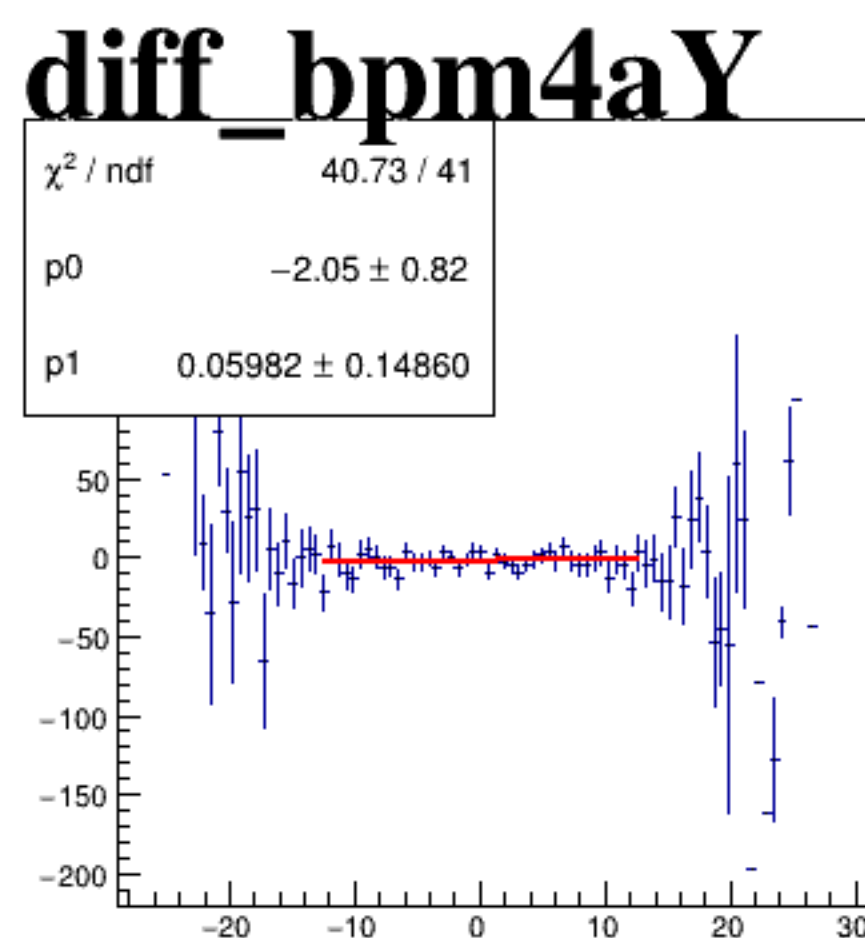
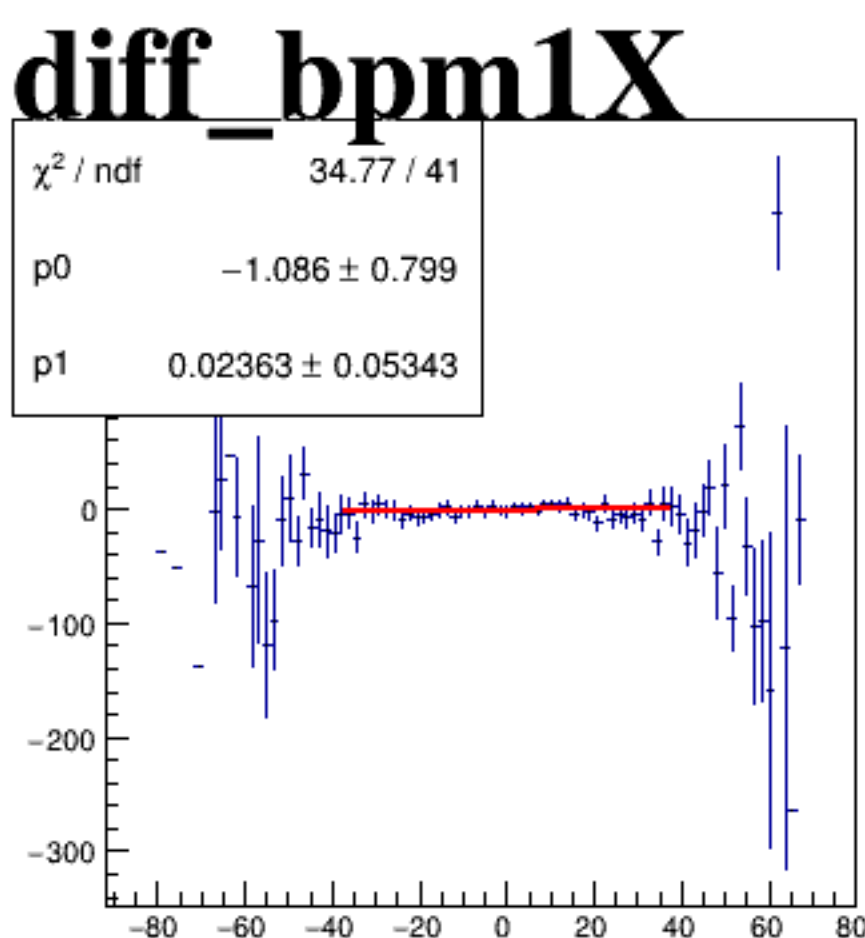




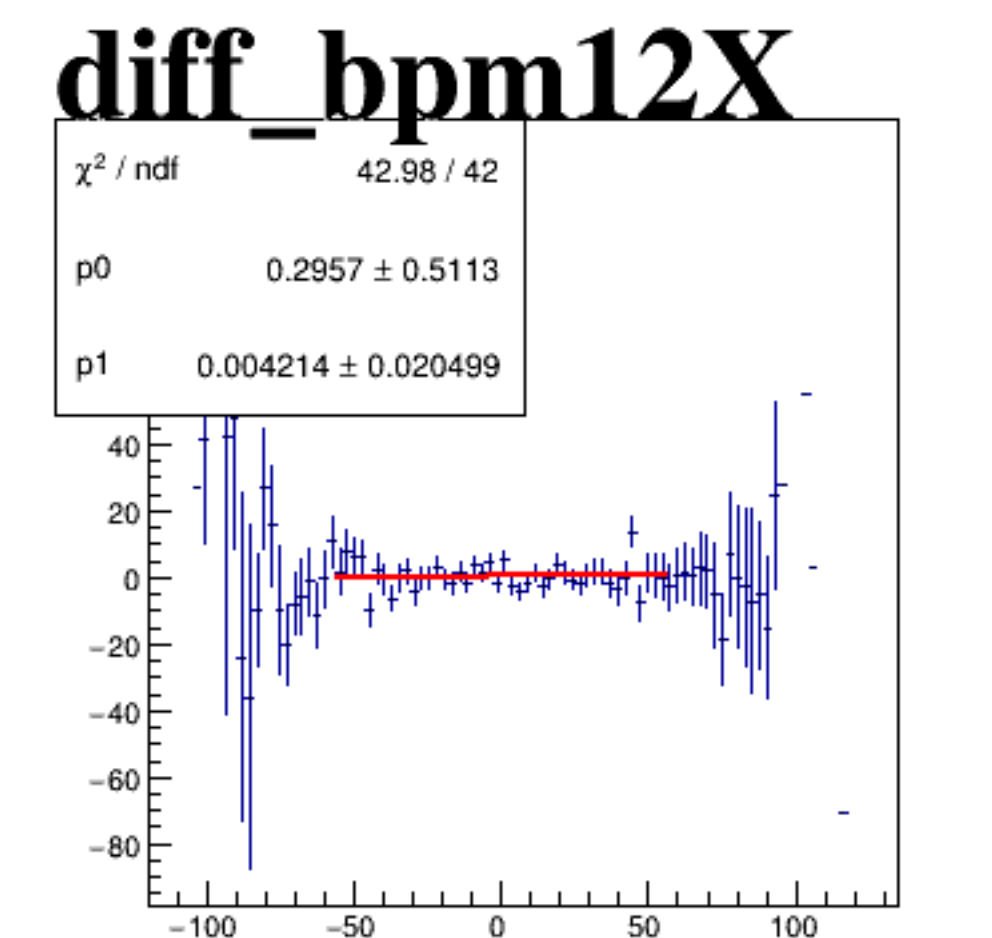
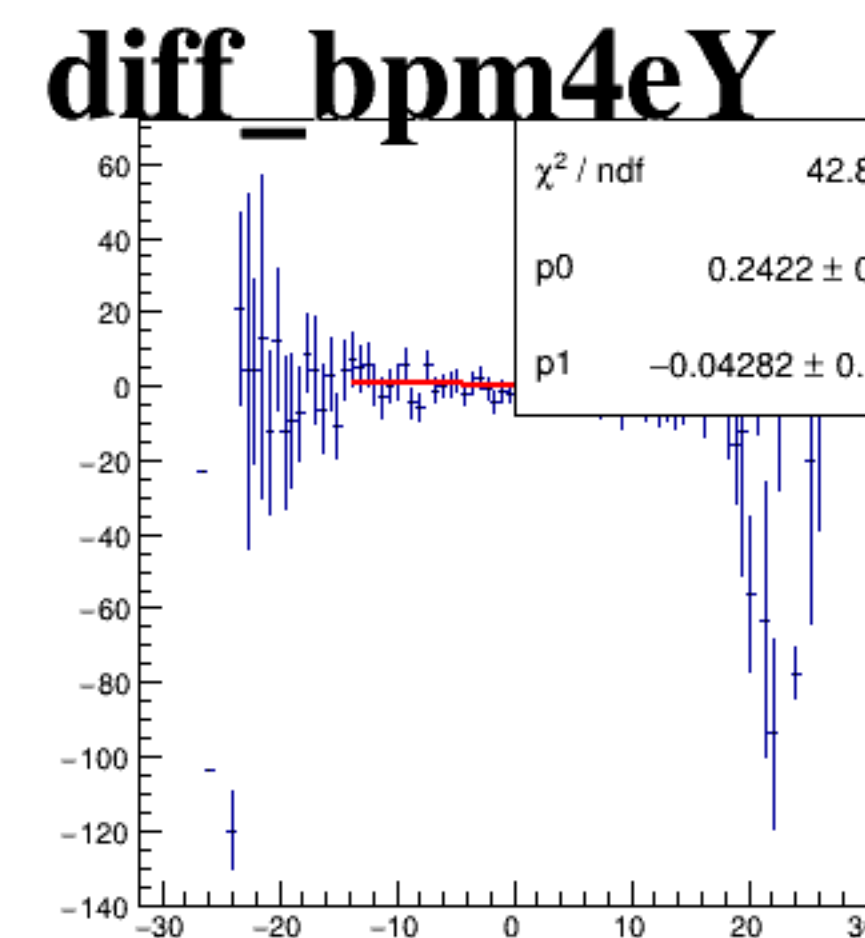
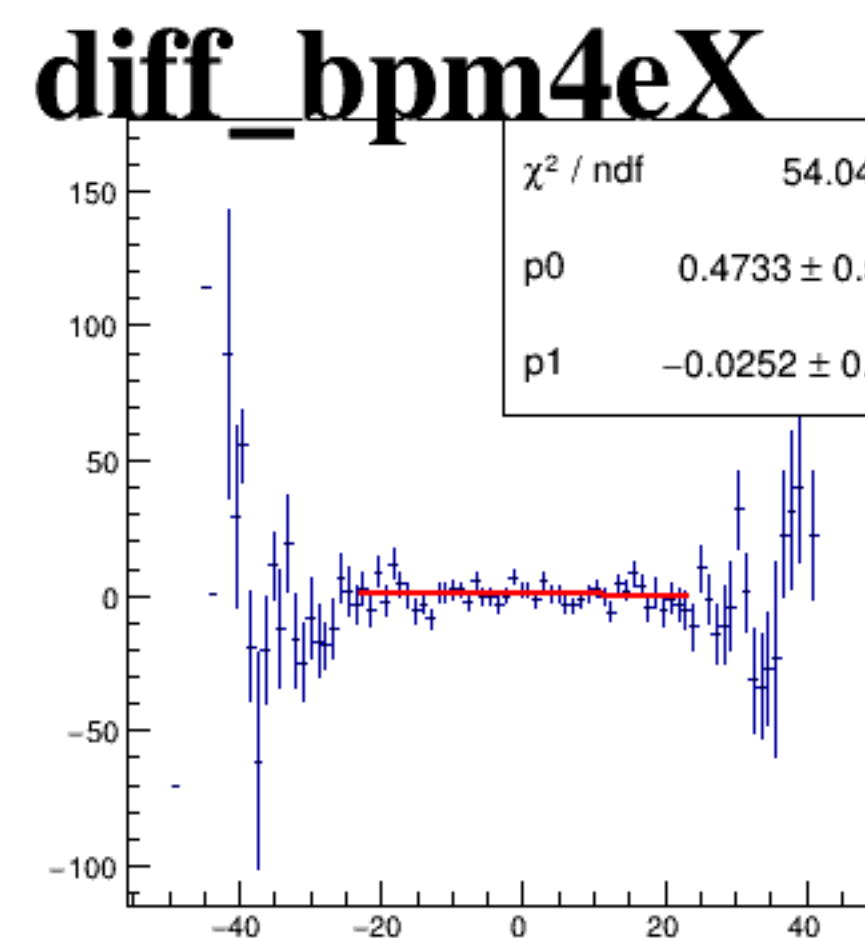
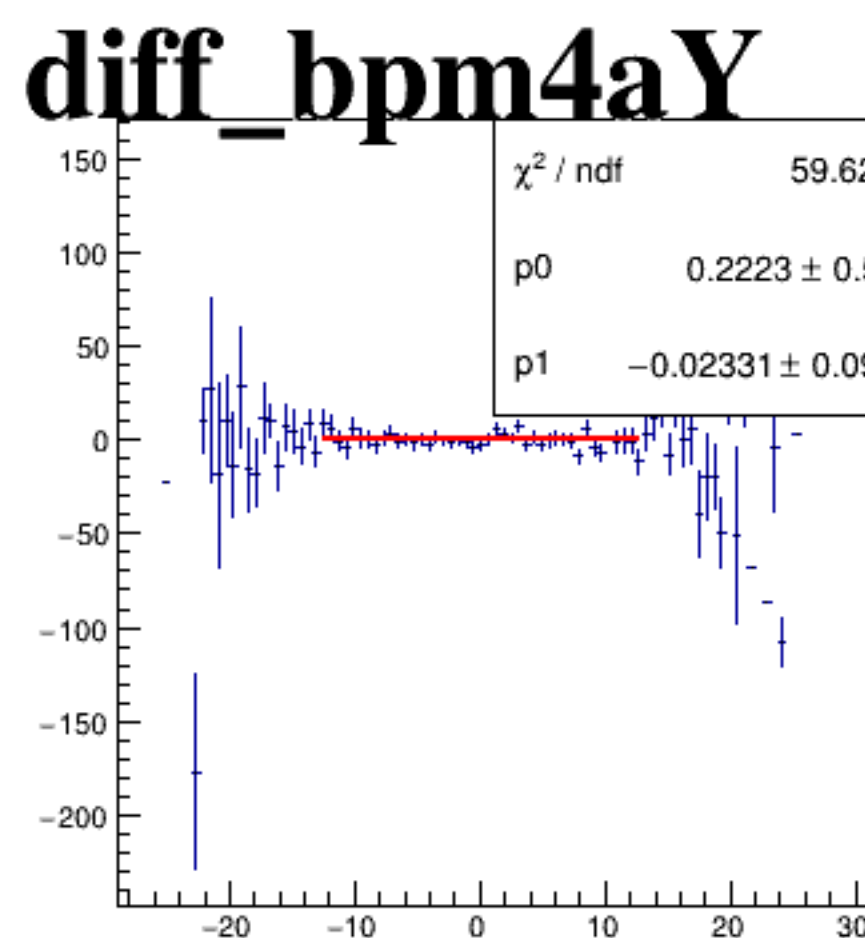
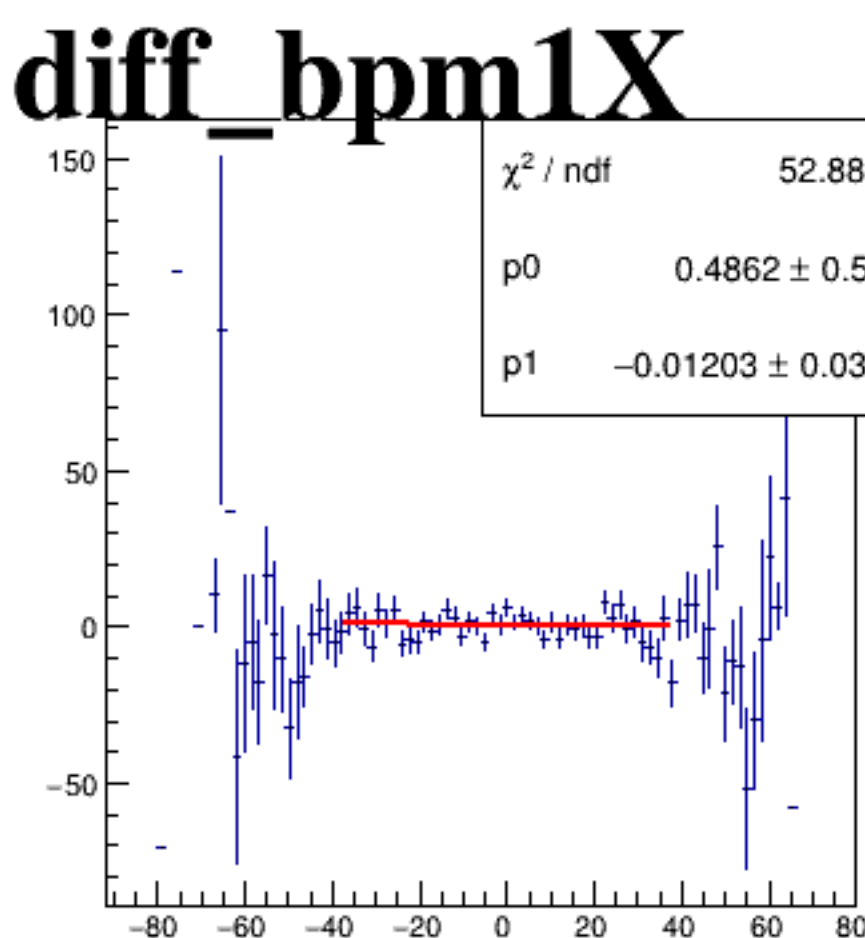
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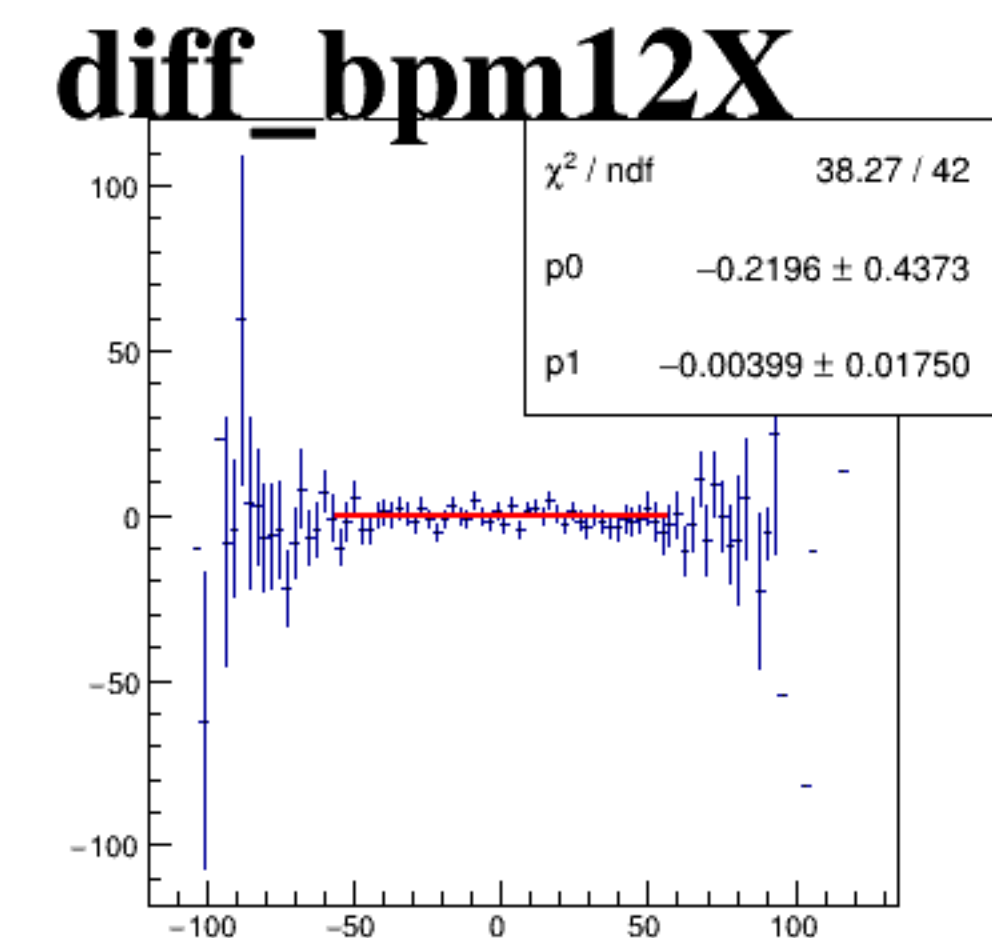
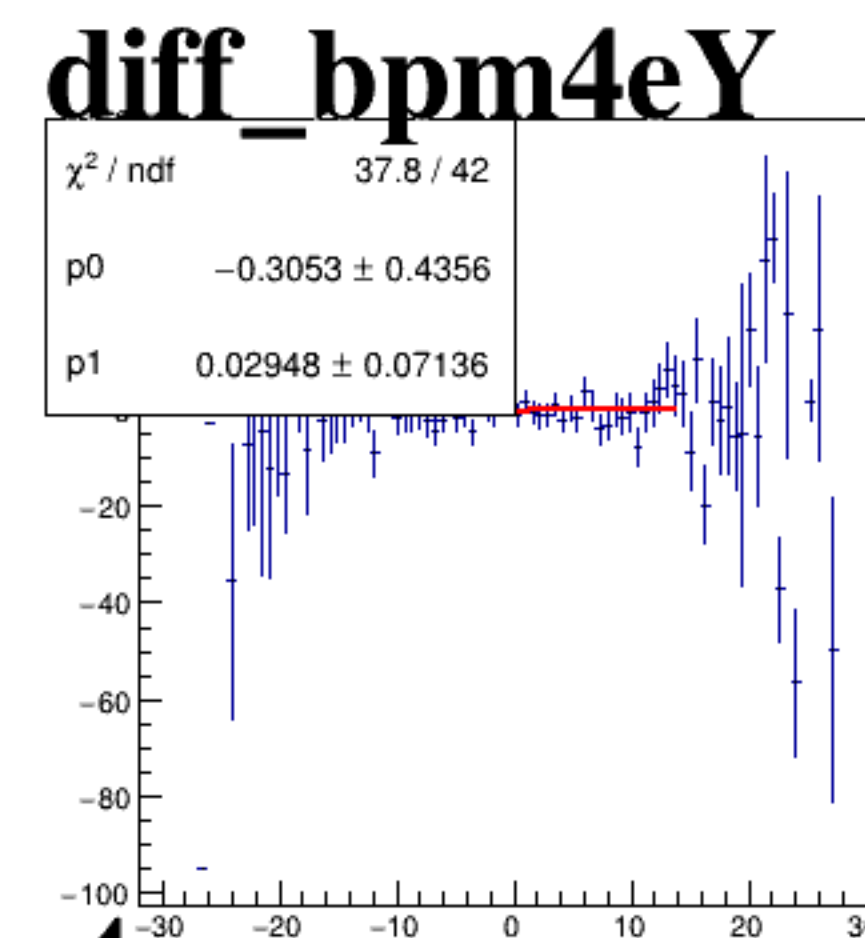
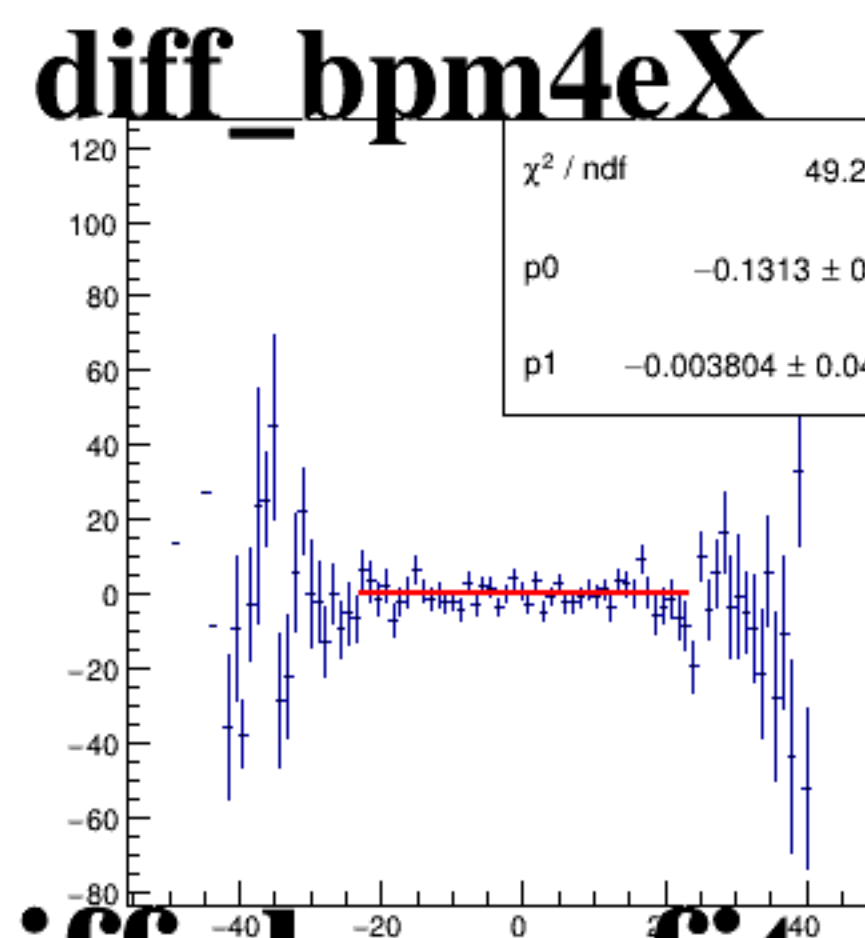
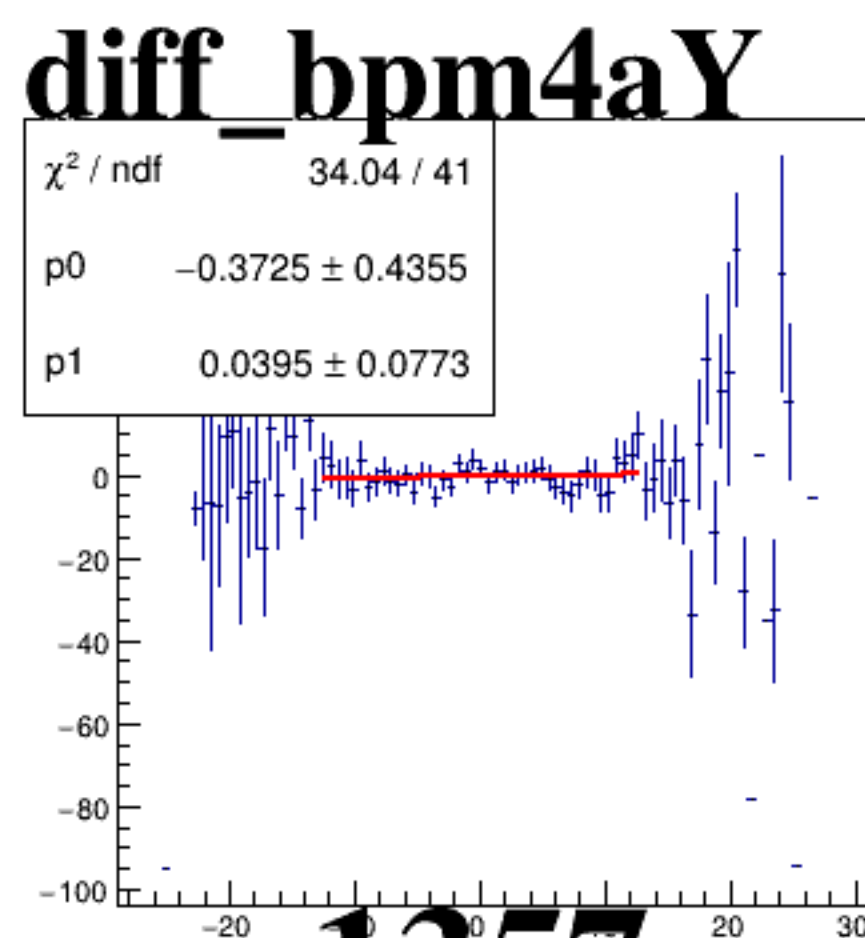
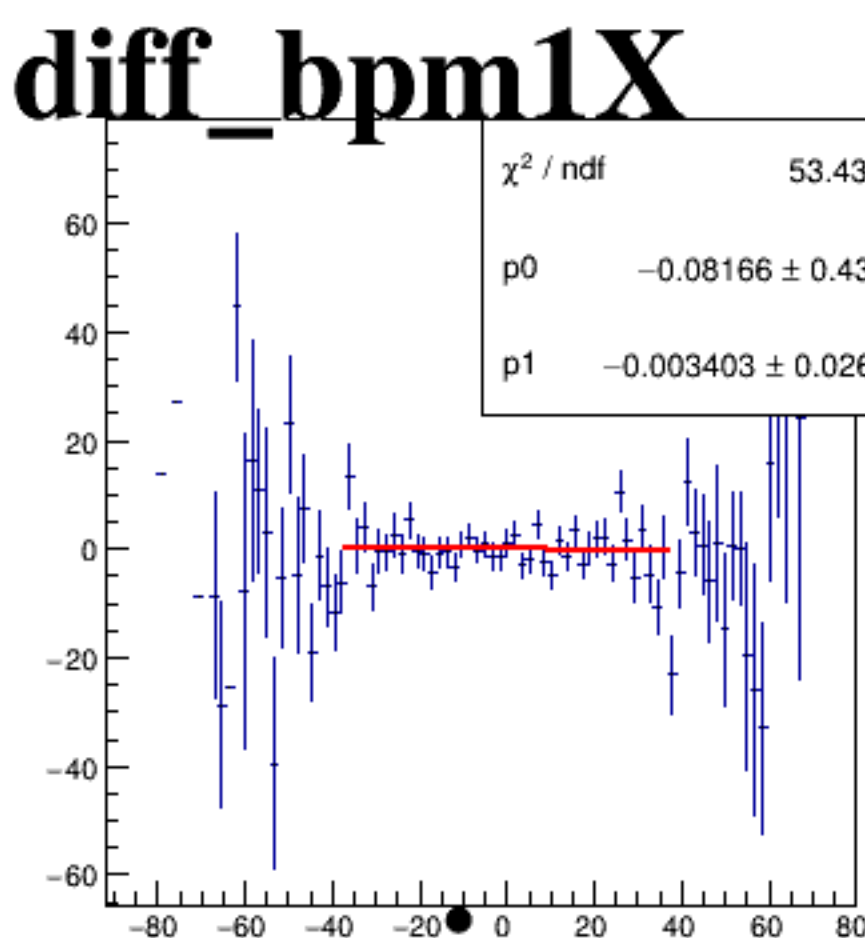
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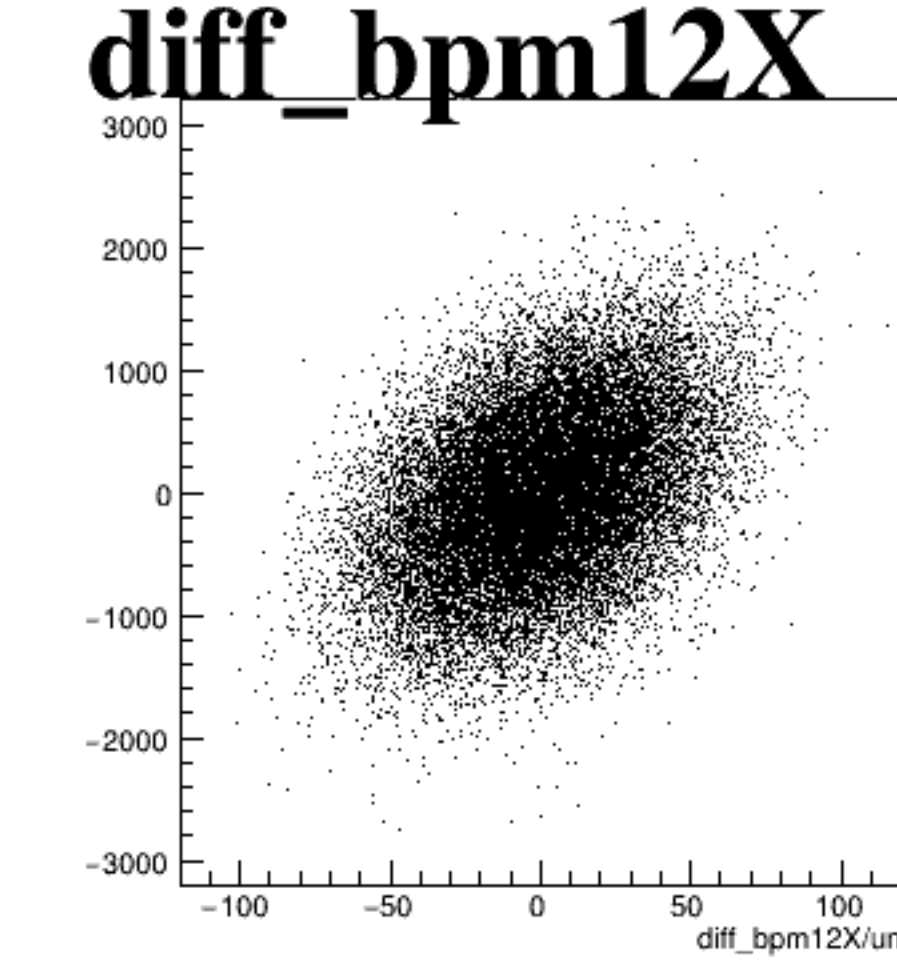
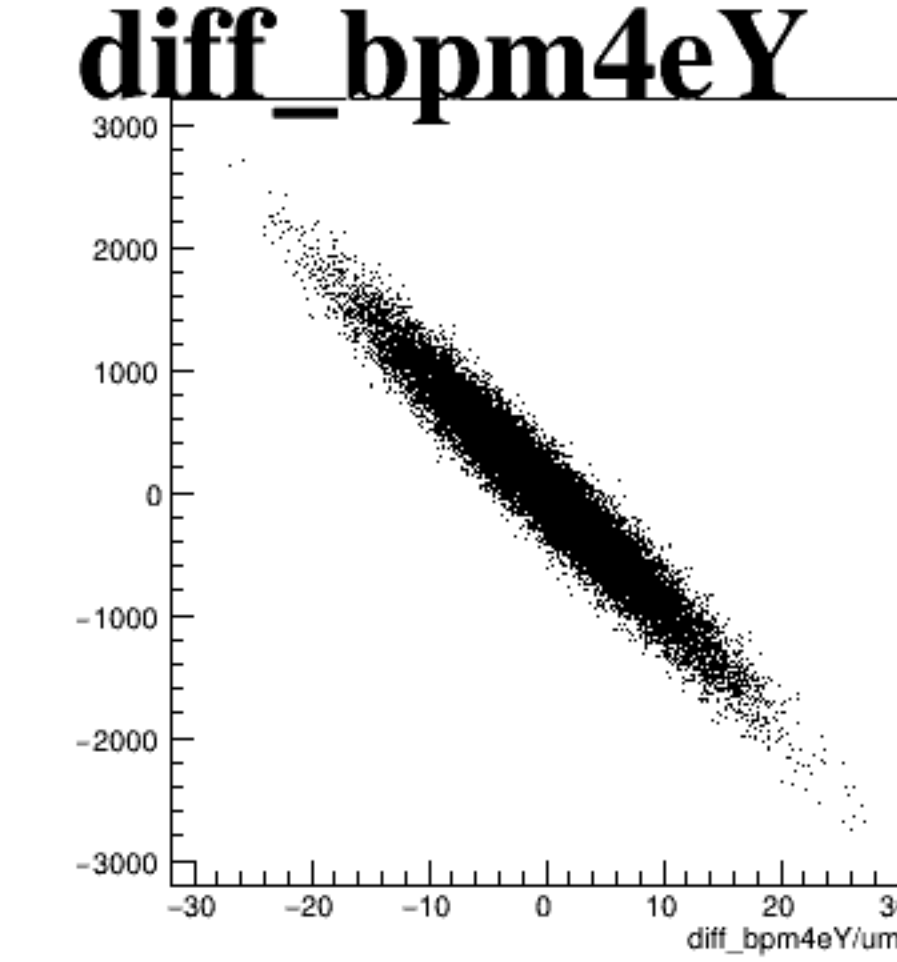
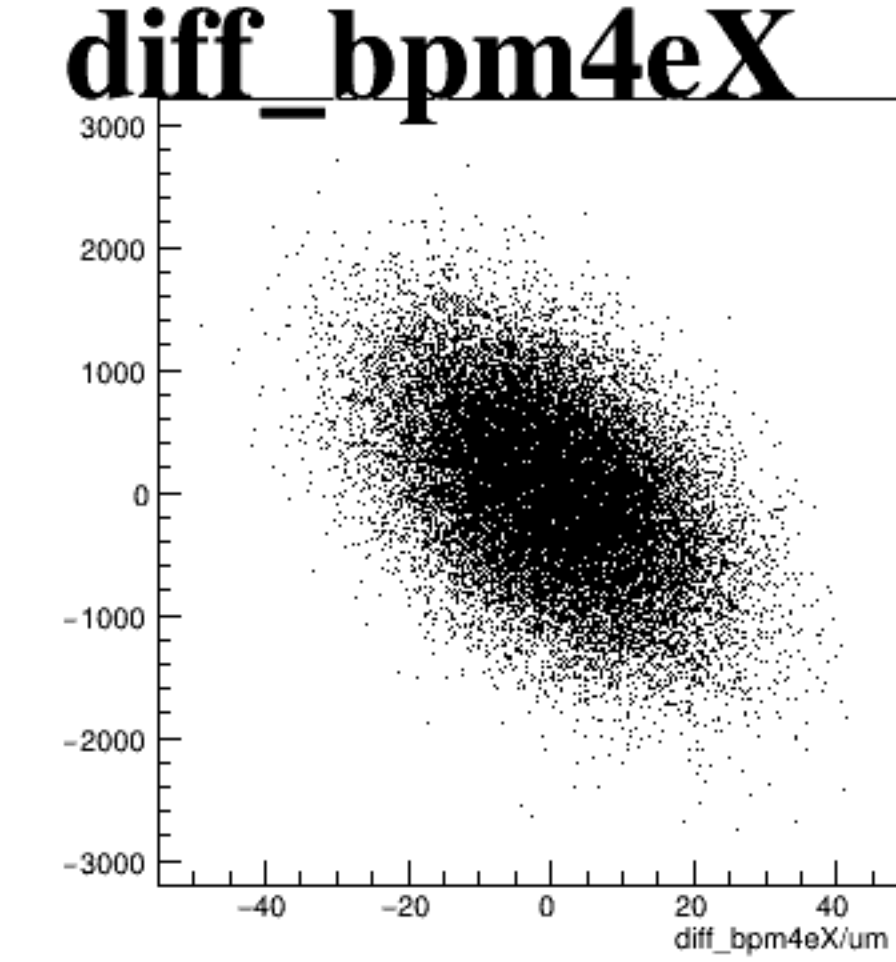
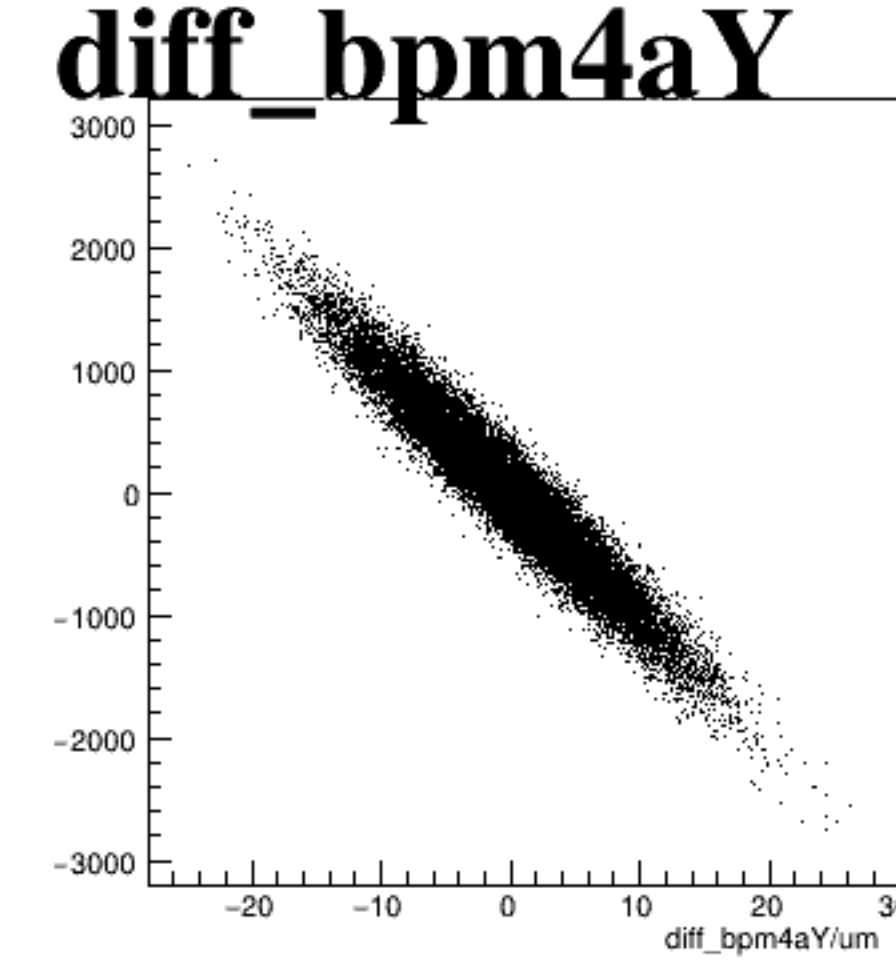
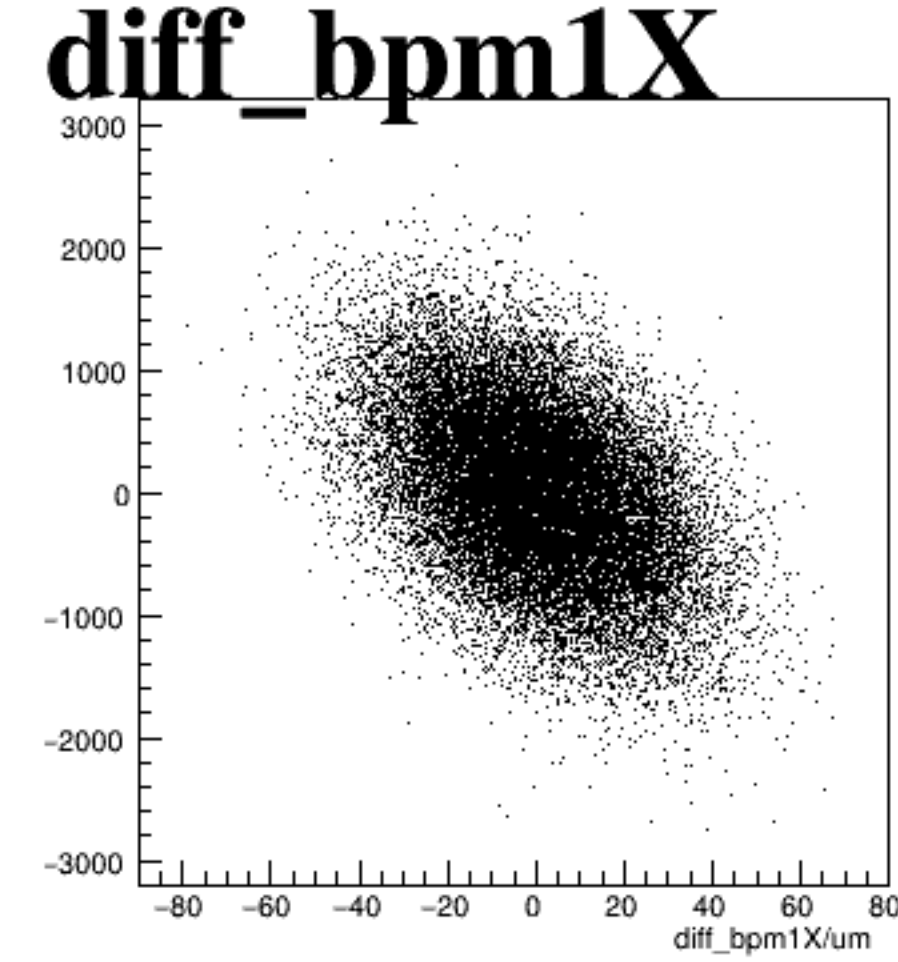


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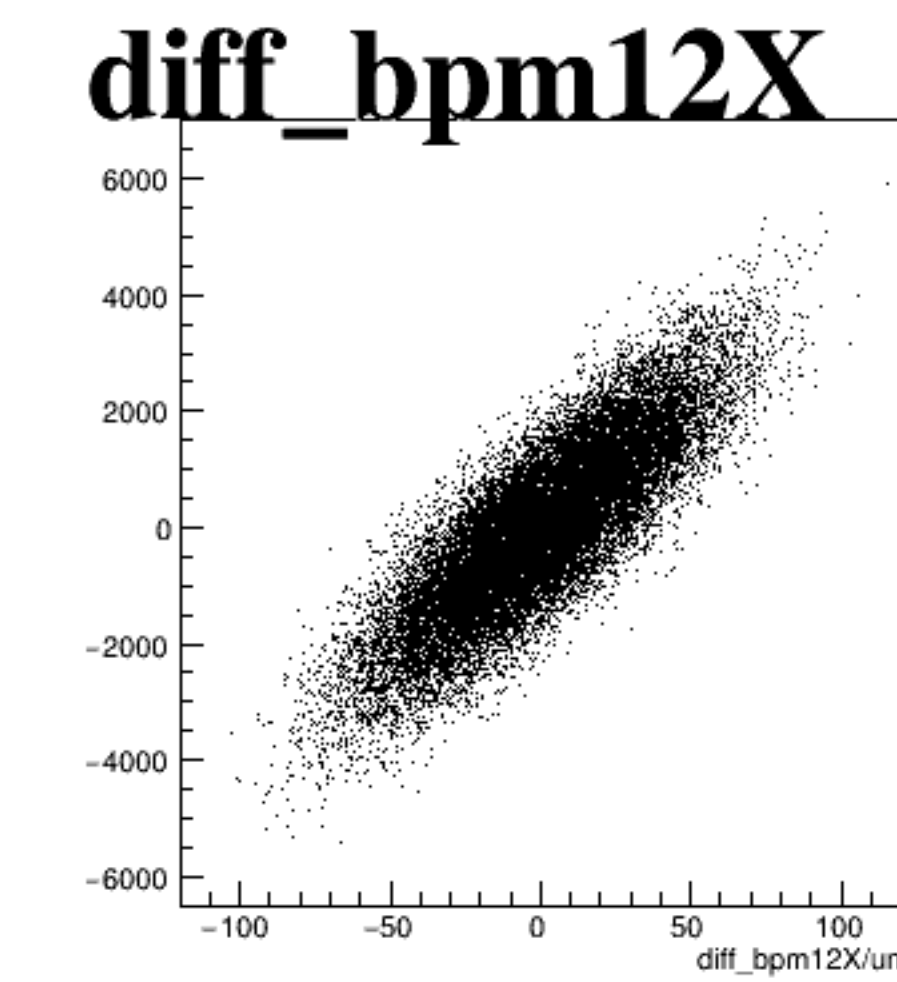
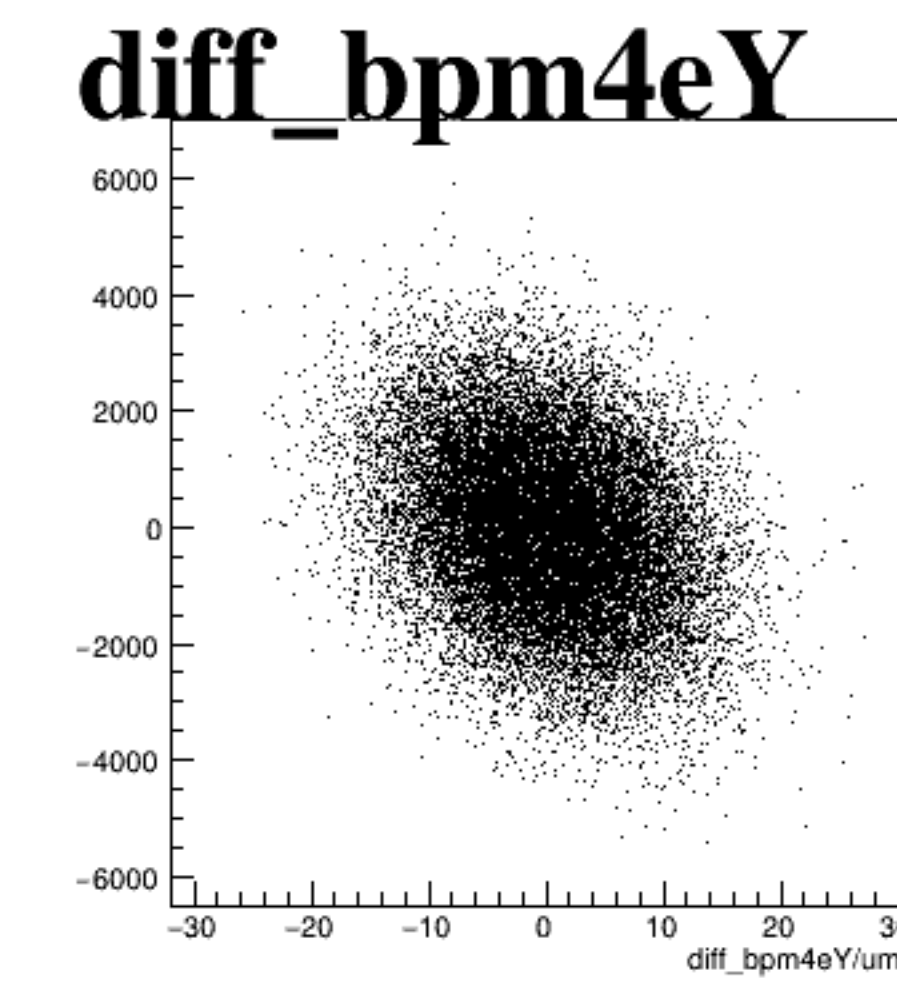
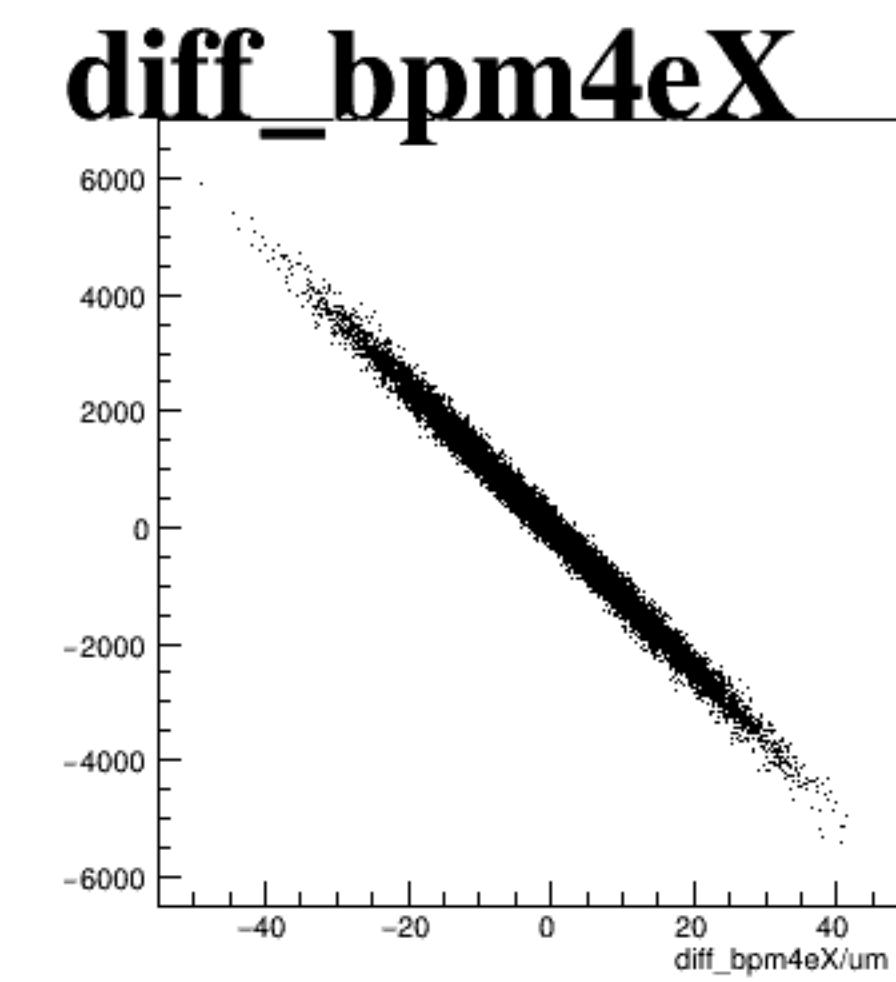
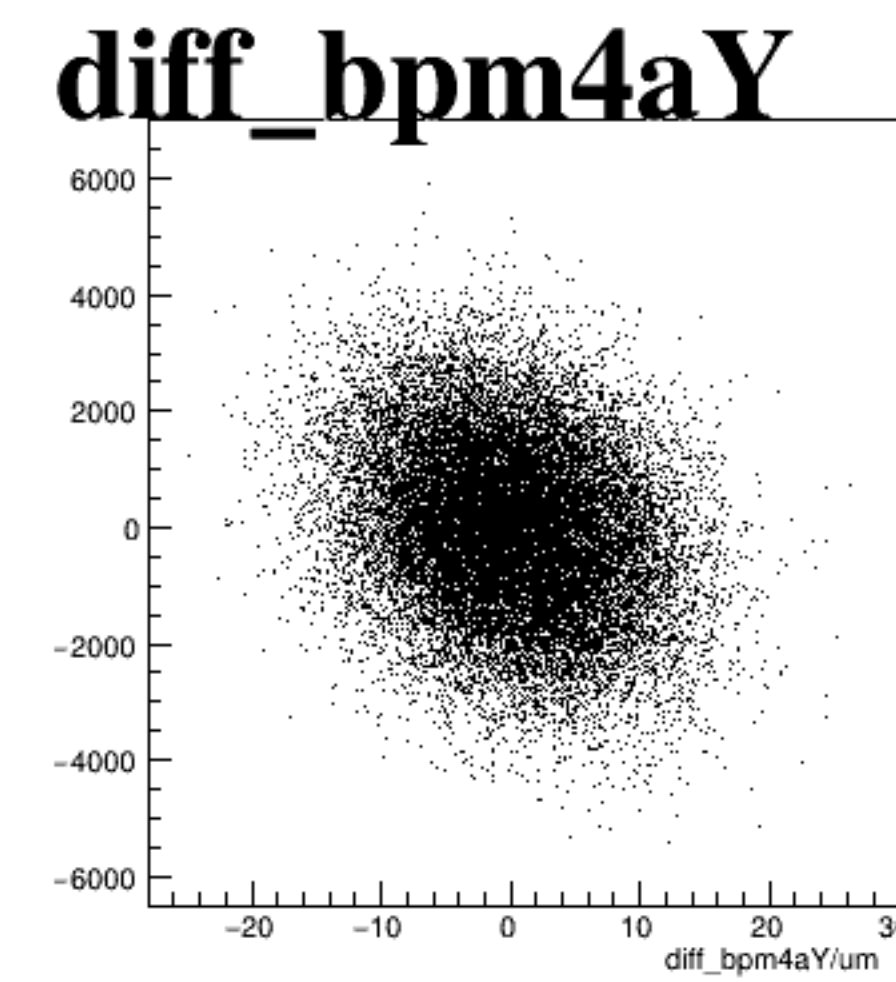
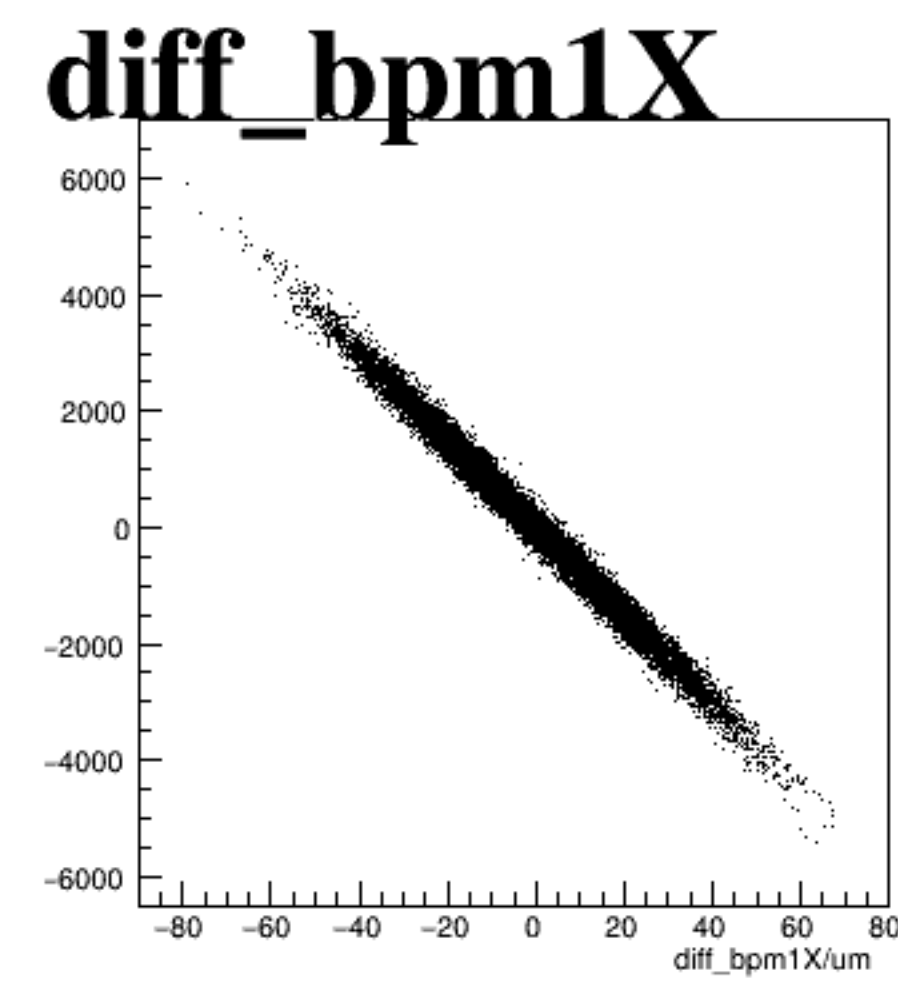




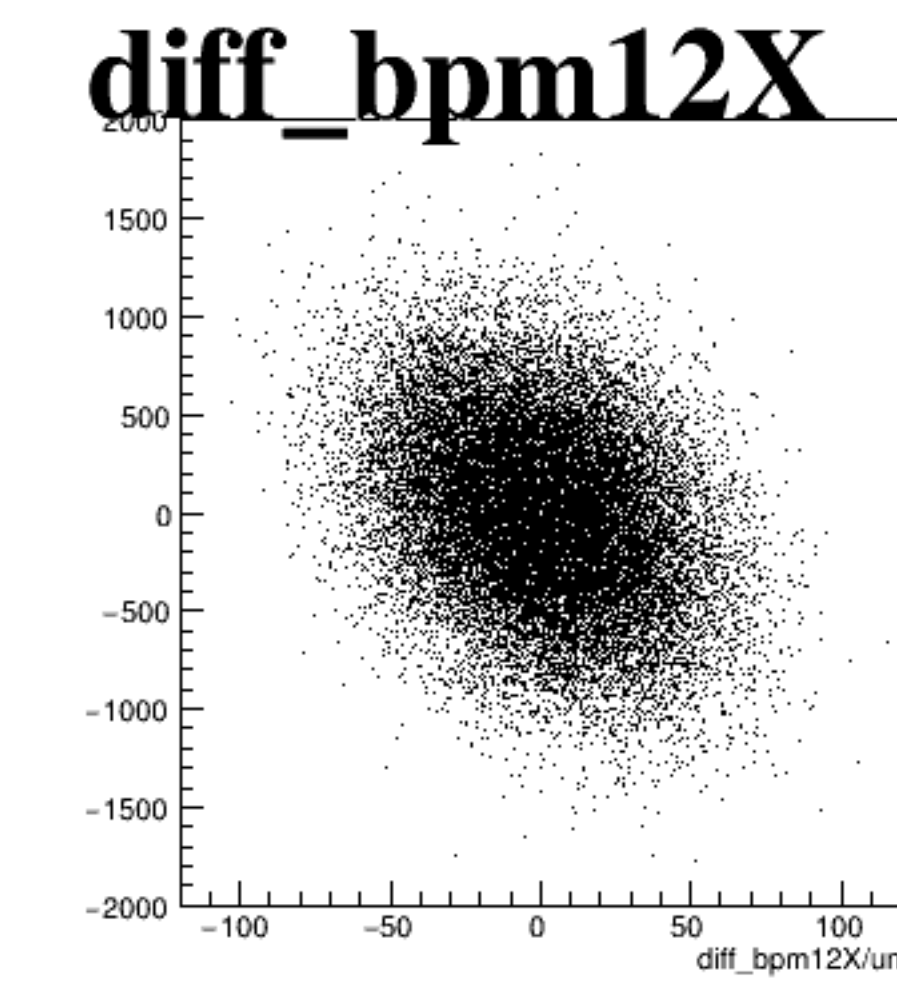
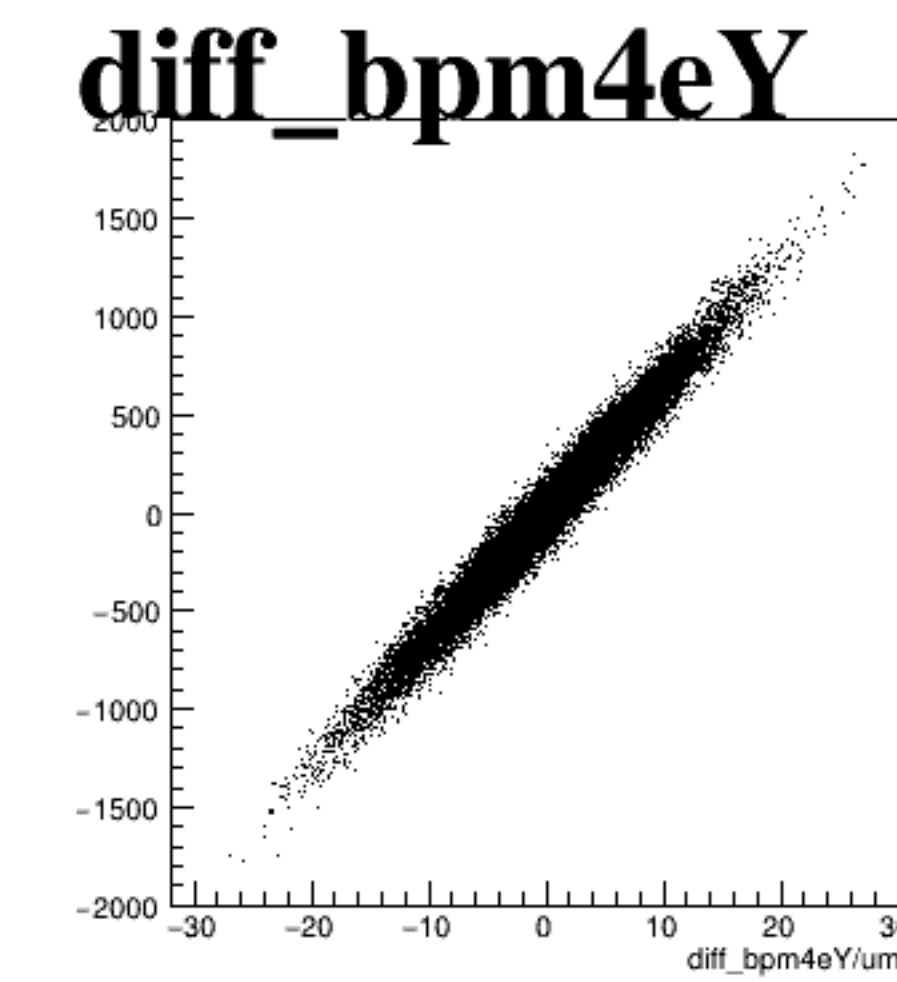
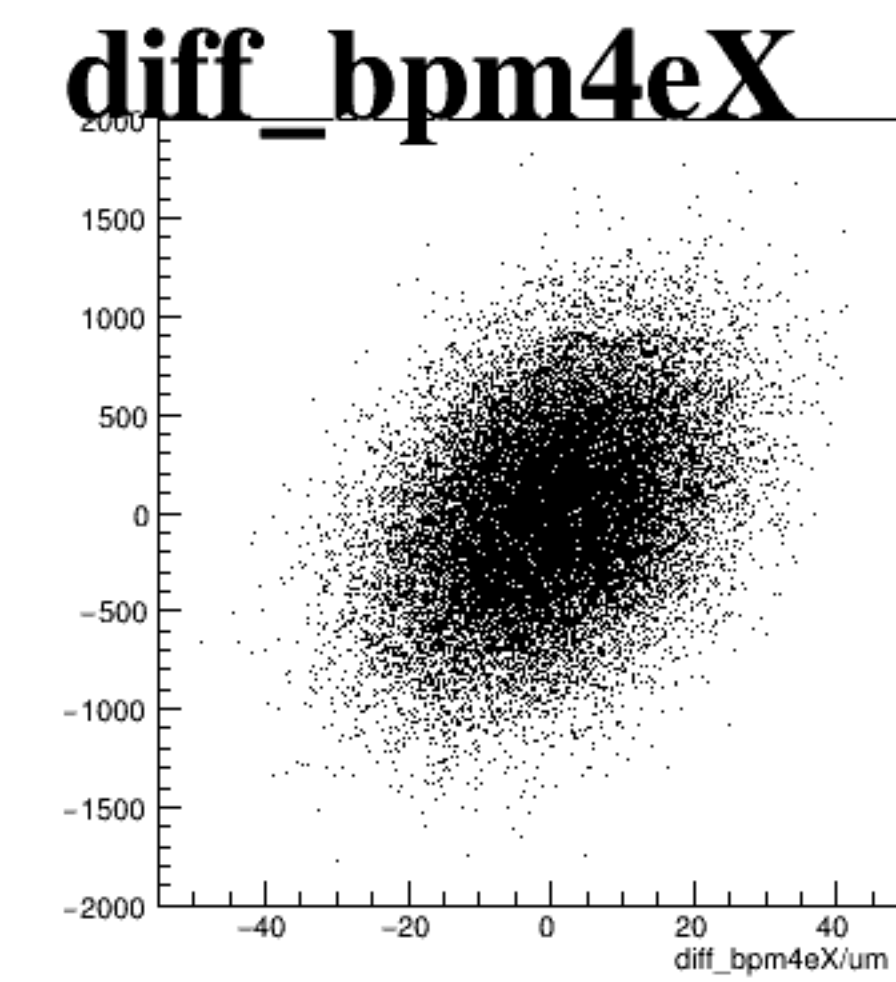
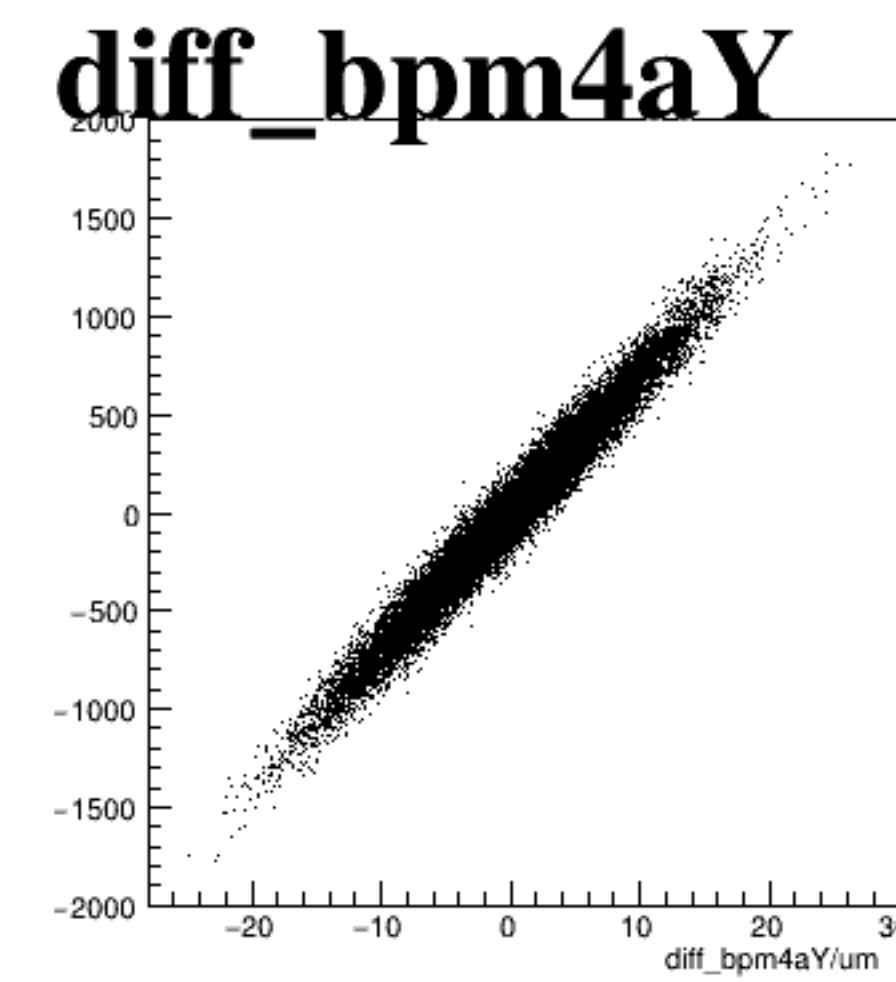
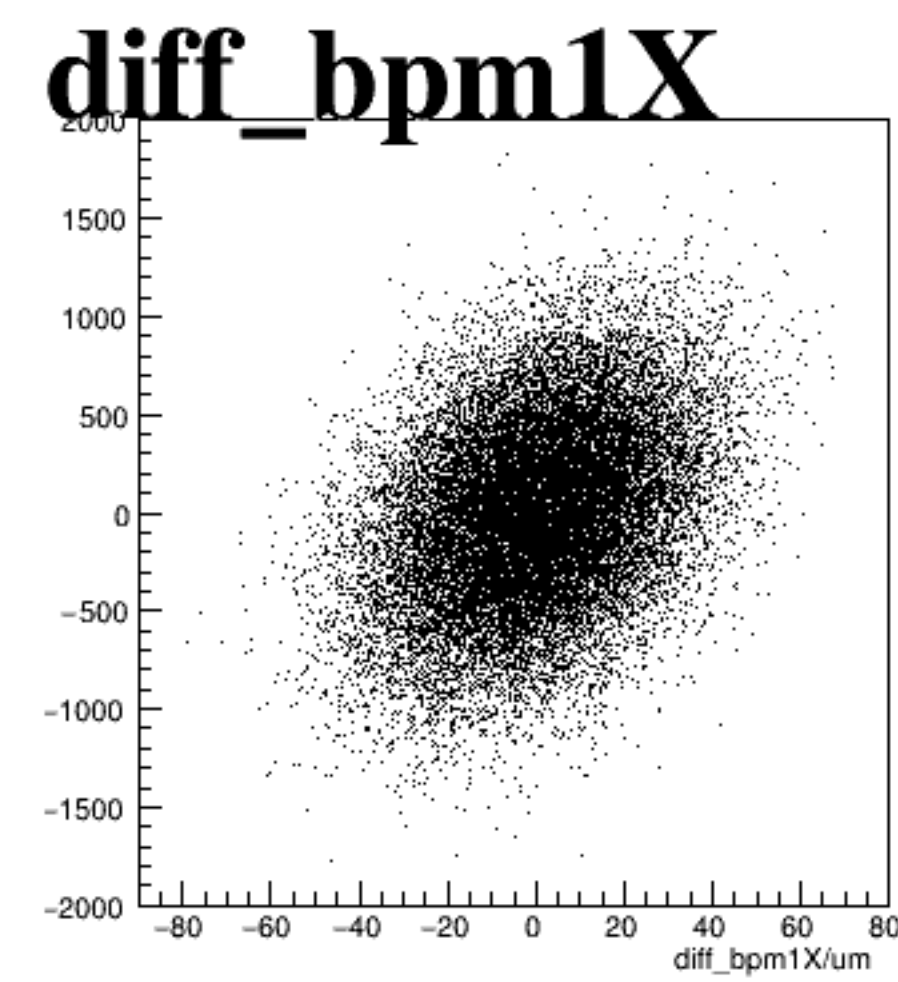
asym\_sam1



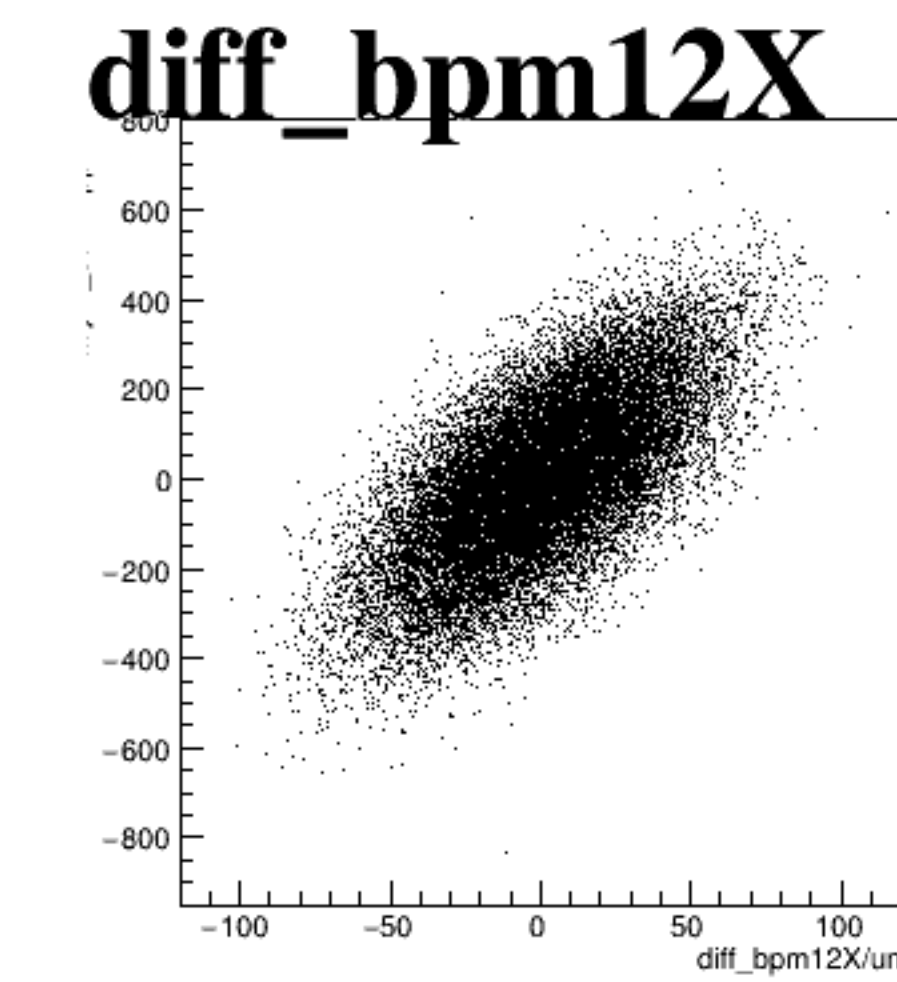
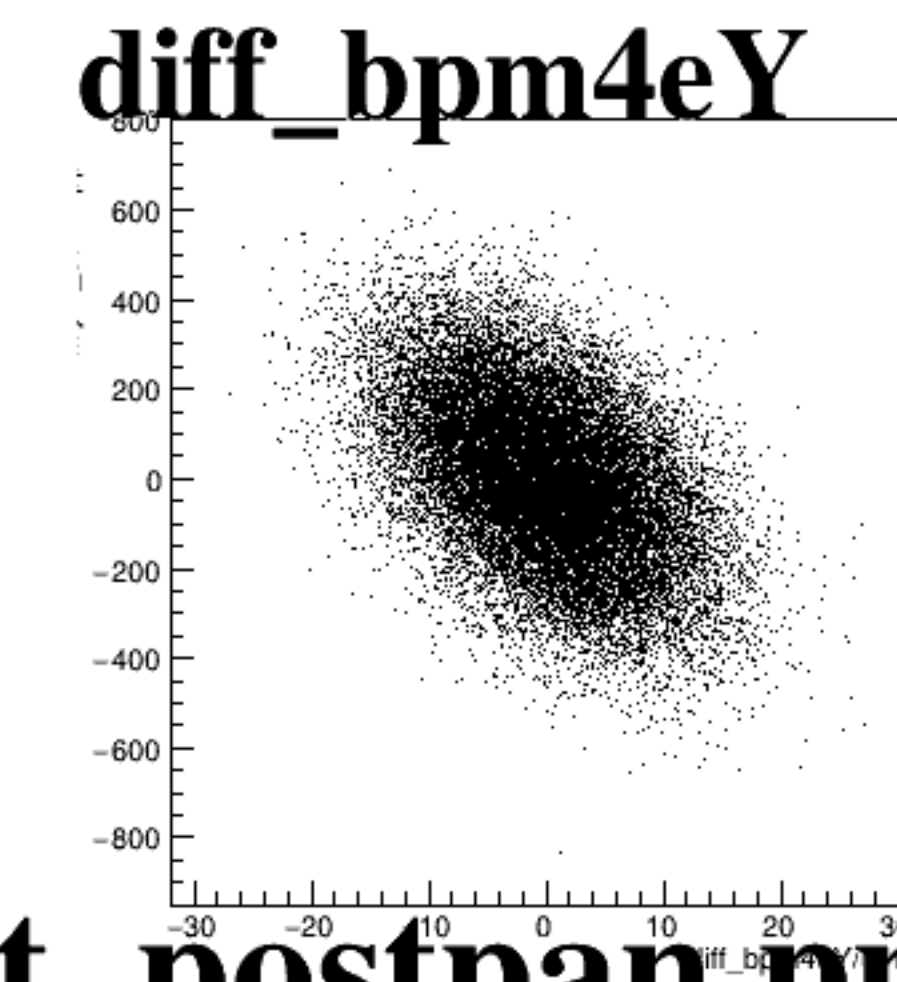
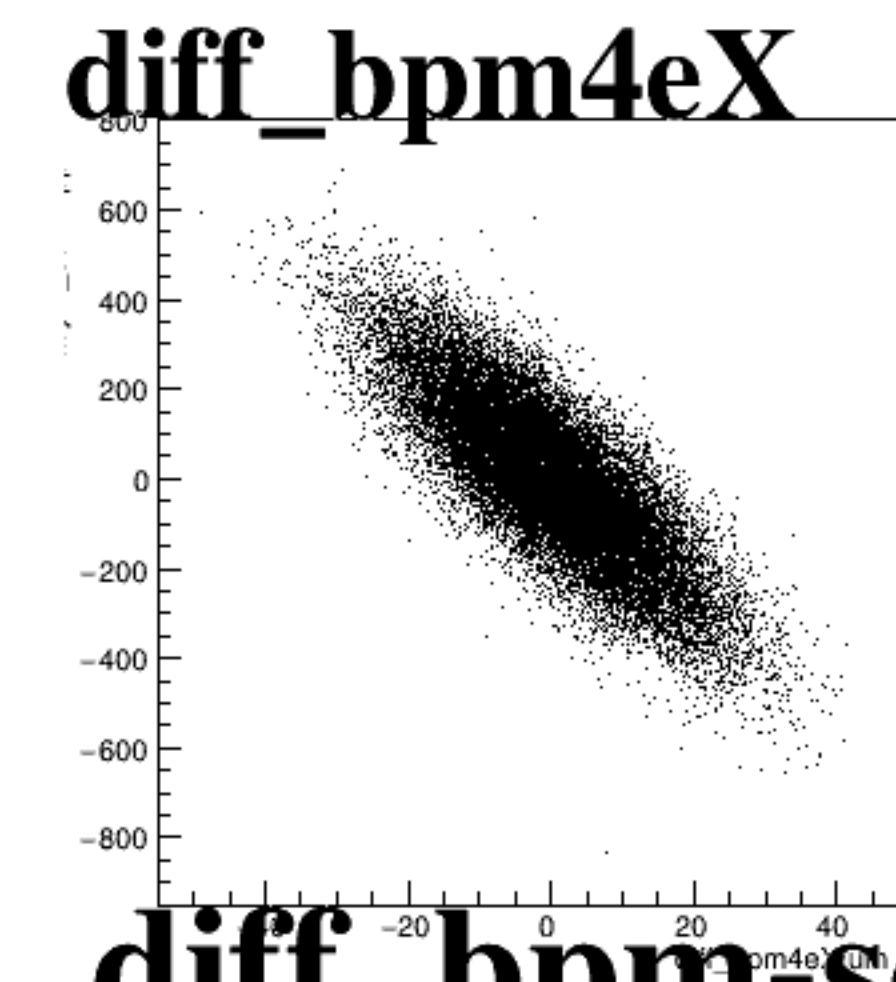
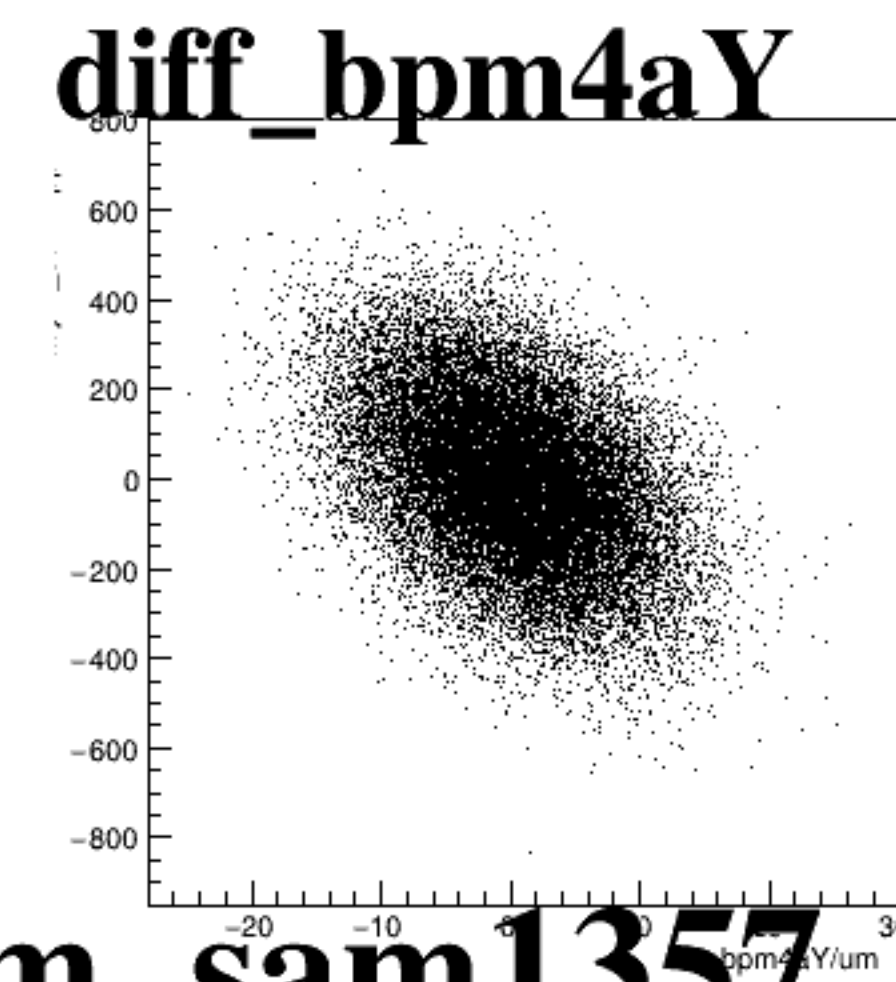
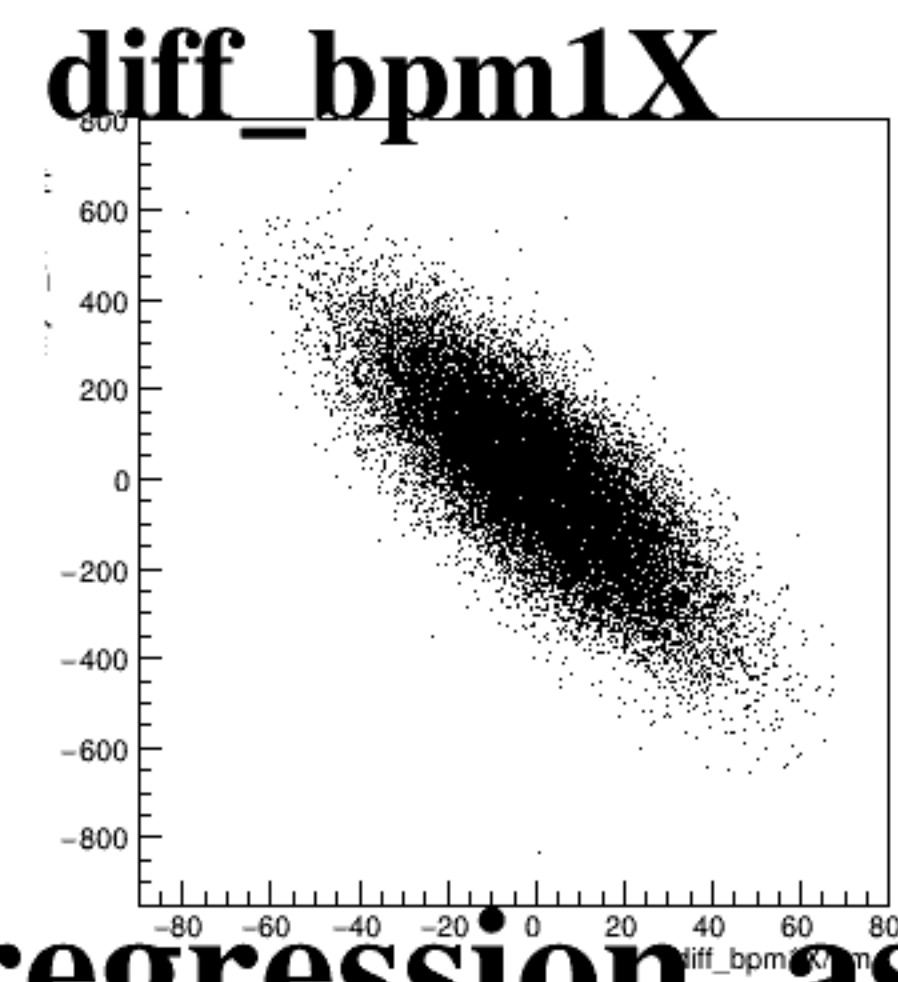
asym\_sam3



asym\_sam5



asym\_sam7





The figure consists of five scatter plots arranged horizontally, each showing the difference in BPM measurements for a specific beam parameter. The plots are titled as follows:

- diff\_bpm1X**: The x-axis is labeled  $\text{diff\_bpm1X}/\mu\text{m}$  and ranges from -80 to 80. The y-axis ranges from -800 to 600.
- diff\_bpm4aY**: The x-axis is labeled  $\text{diff\_bpm4aY}/\mu\text{m}$  and ranges from -20 to 30. The y-axis ranges from -800 to 600.
- diff\_bpm4eX**: The x-axis is labeled  $\text{diff\_bpm4eX}/\mu\text{m}$  and ranges from -40 to 40. The y-axis ranges from -800 to 600.
- diff\_bpm4eY**: The x-axis is labeled  $\text{diff\_bpm4eY}/\mu\text{m}$  and ranges from -30 to 30. The y-axis ranges from -800 to 600.
- diff\_bpm12X**: The x-axis is labeled  $\text{diff\_bpm12X}/\mu\text{m}$  and ranges from -100 to 100. The y-axis ranges from -800 to 600.

All plots show a dense, roughly elliptical distribution of points centered around zero difference, indicating that the BPM measurements are generally consistent with the reference values.