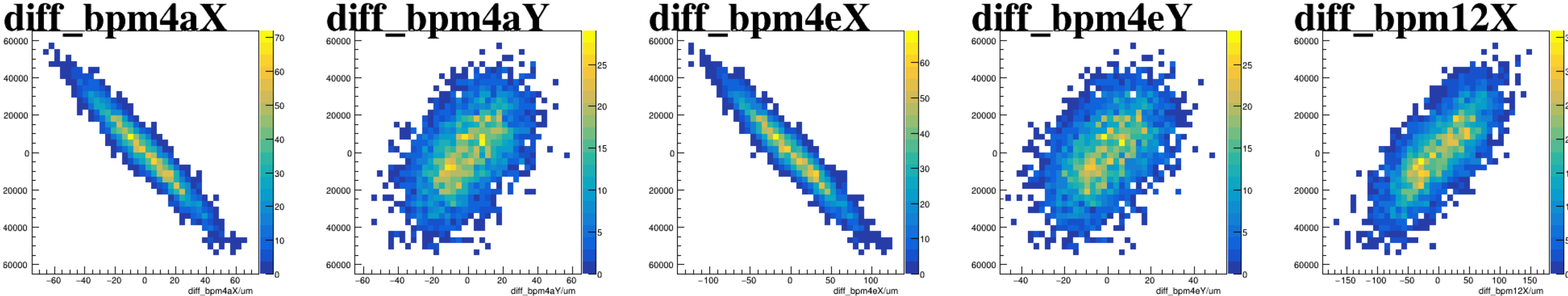
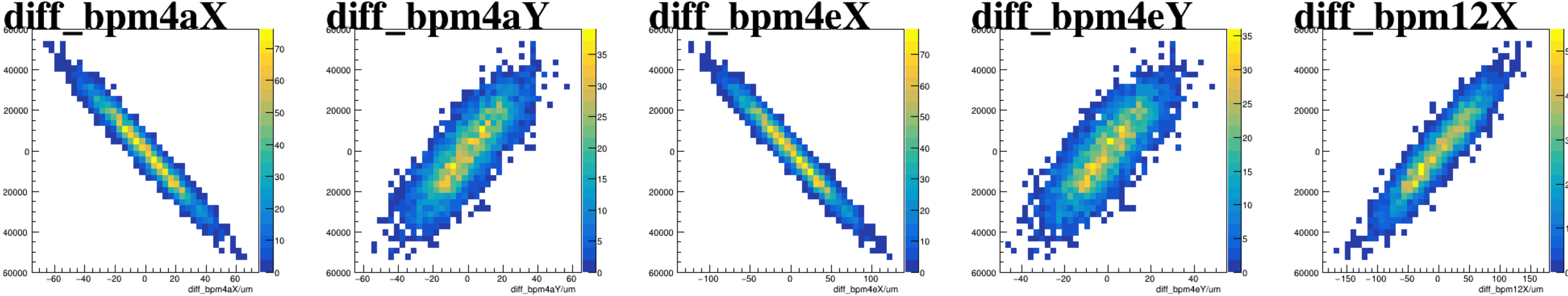


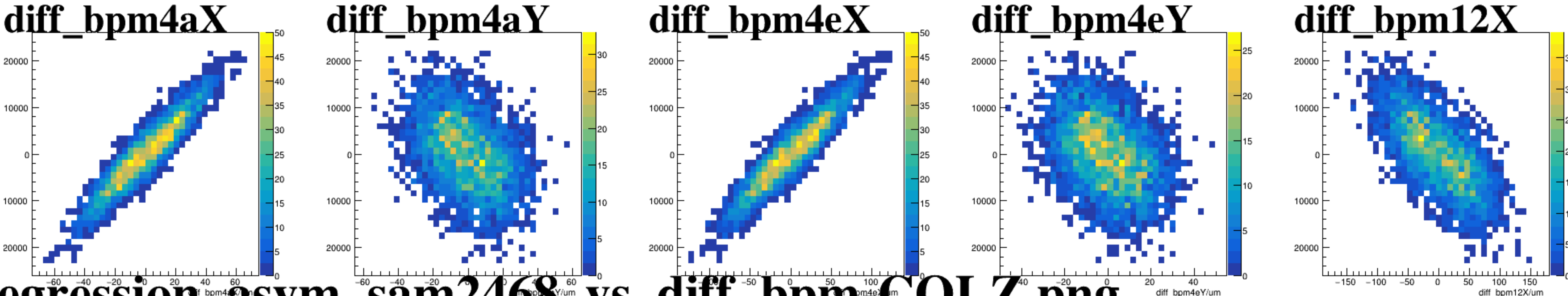
asym_sam2



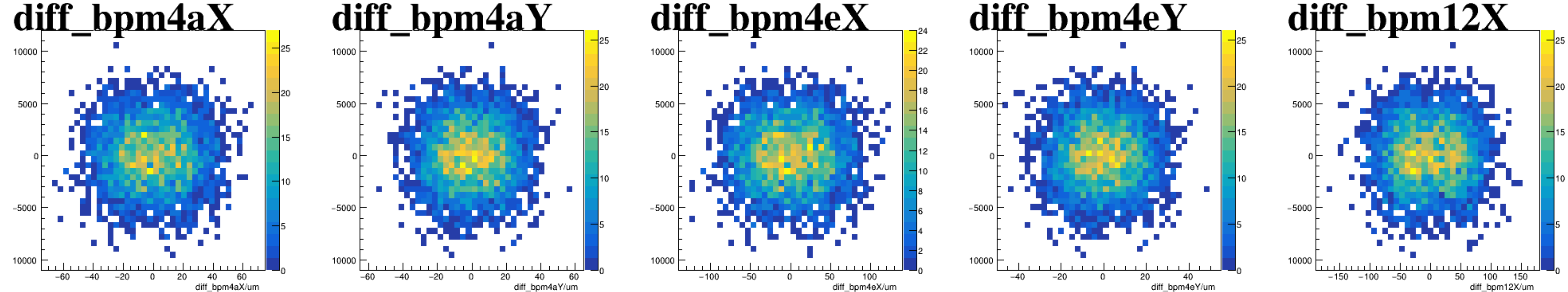
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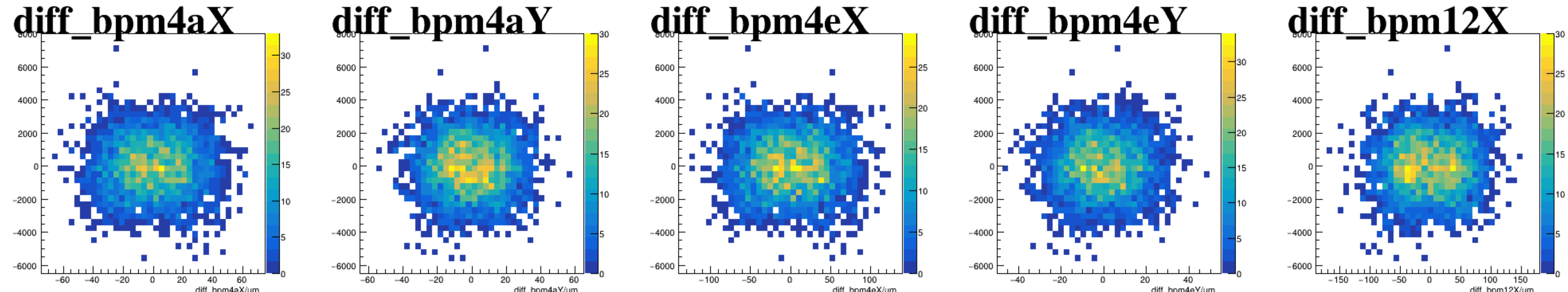
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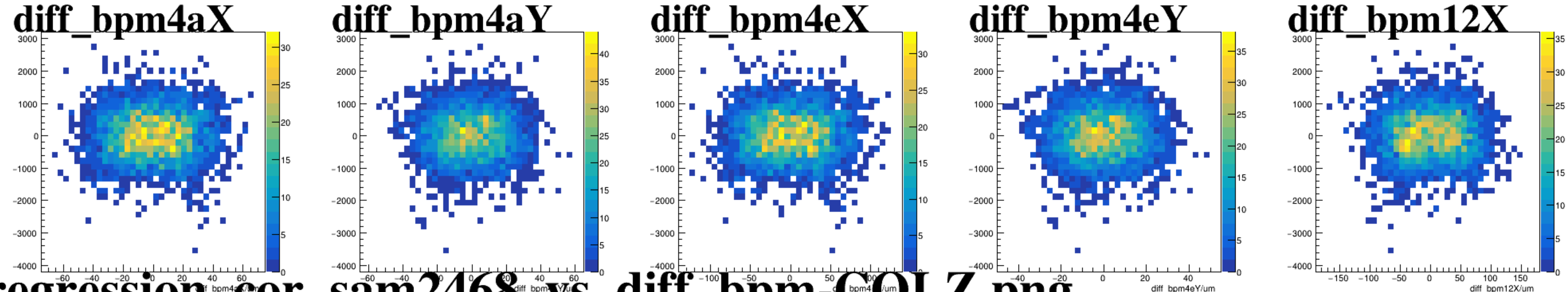
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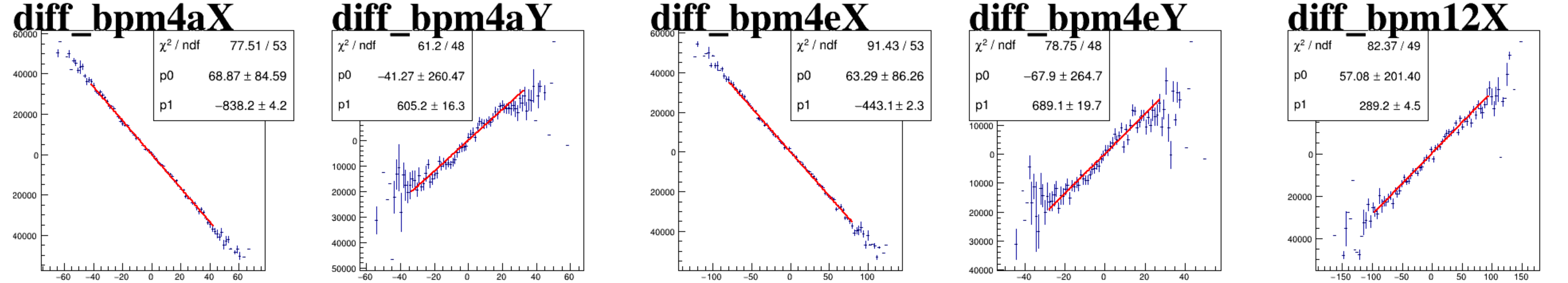
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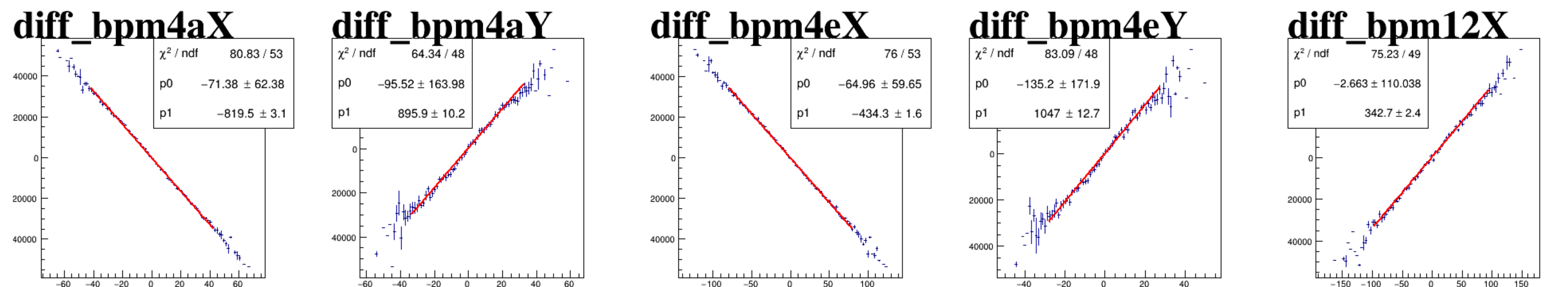
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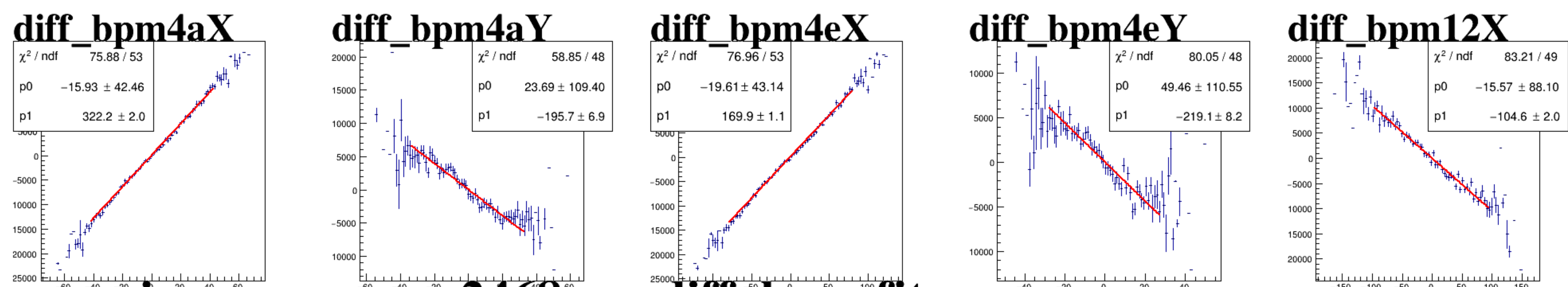
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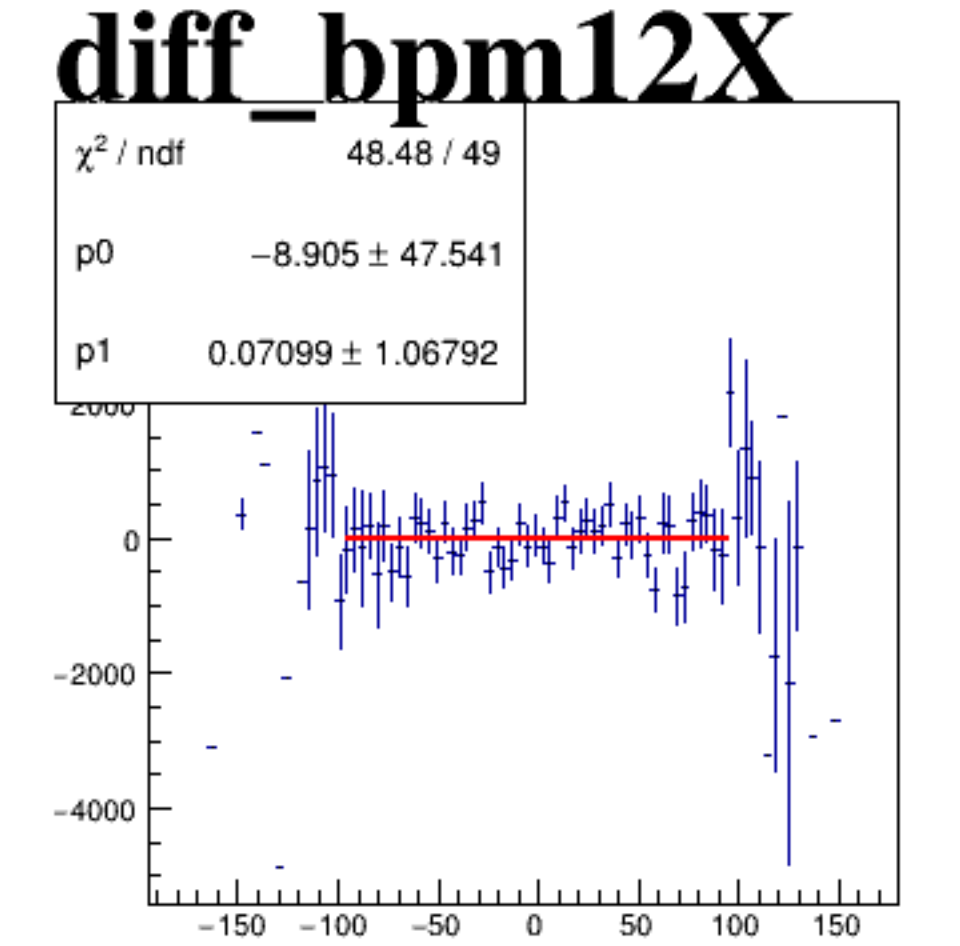
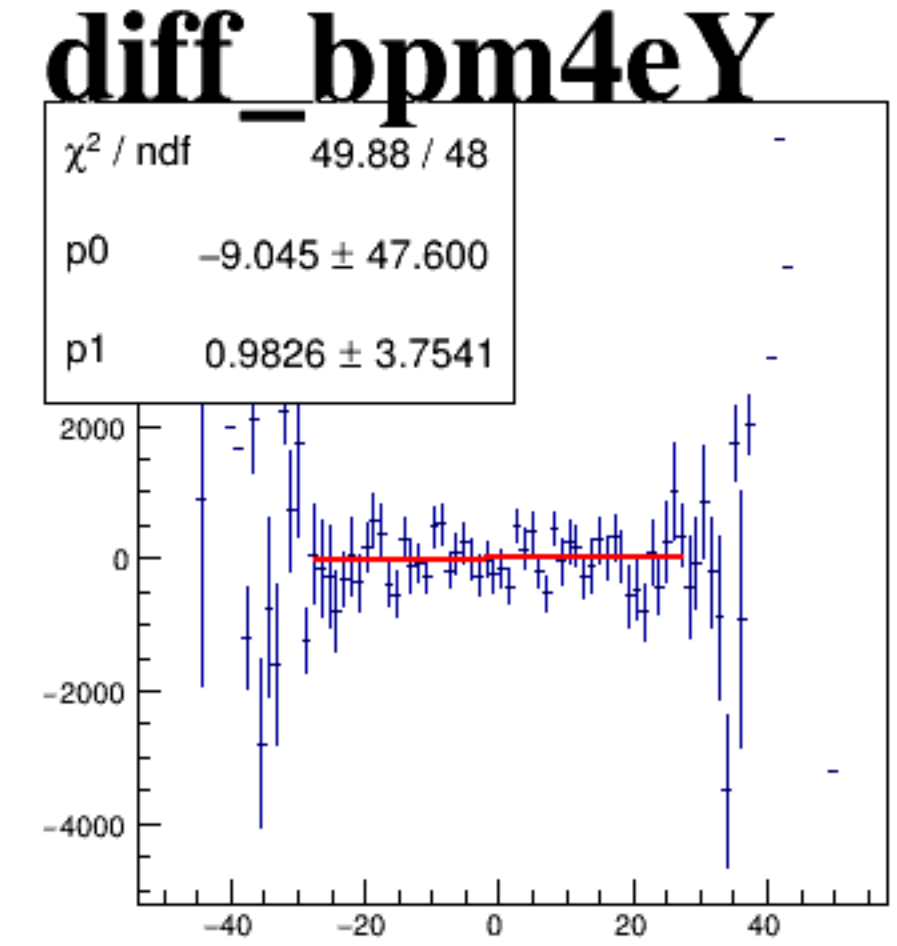
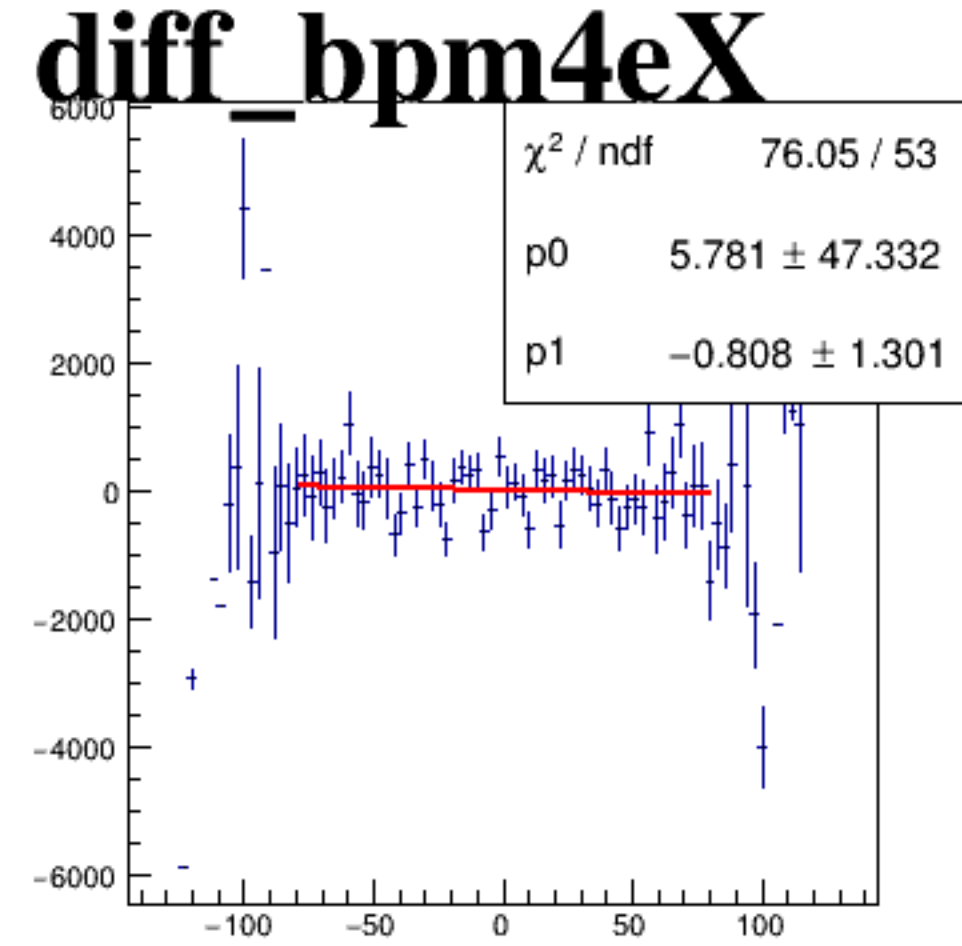
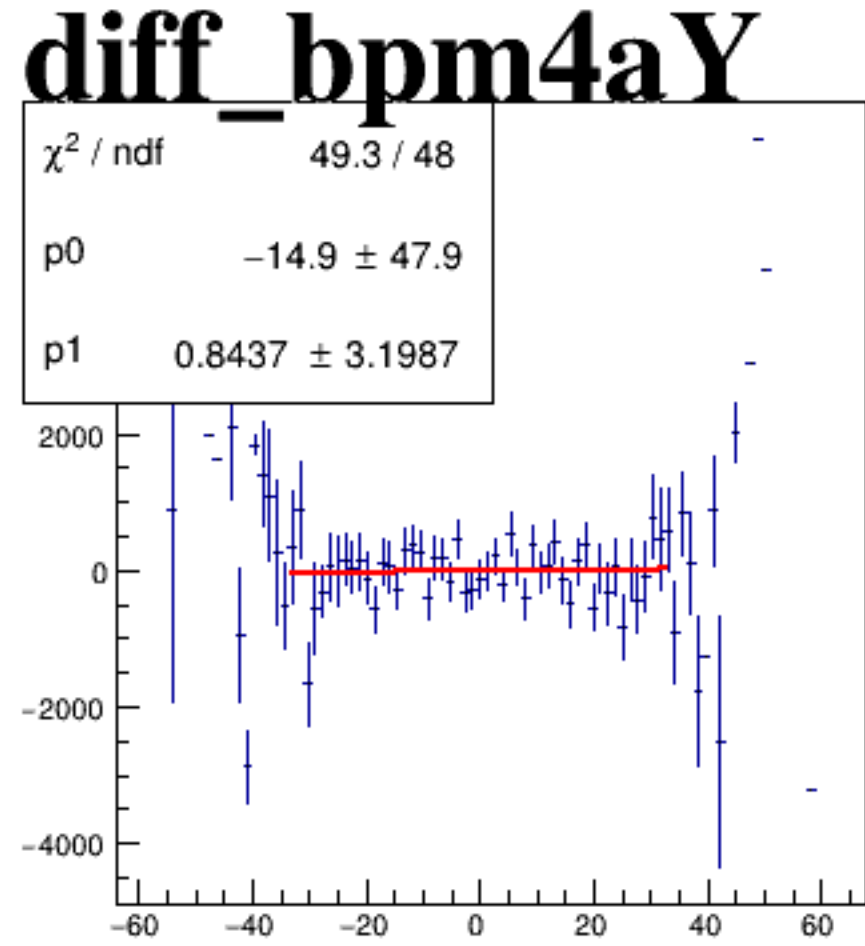
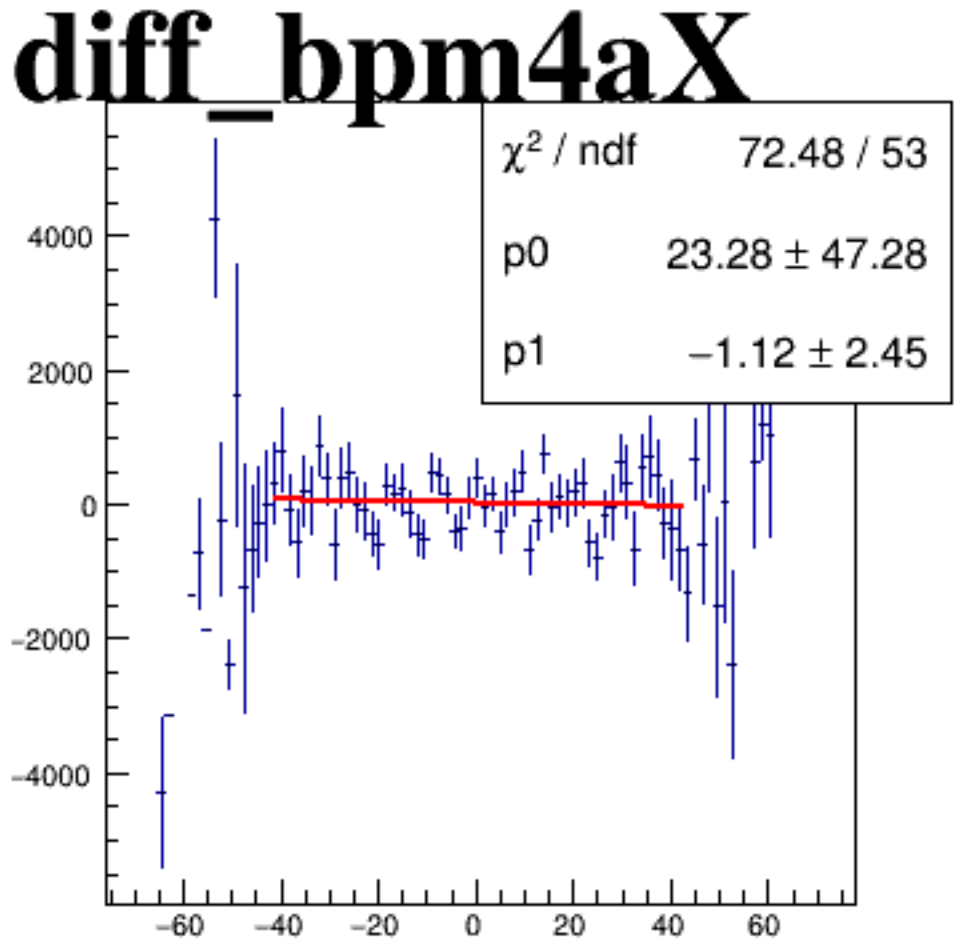
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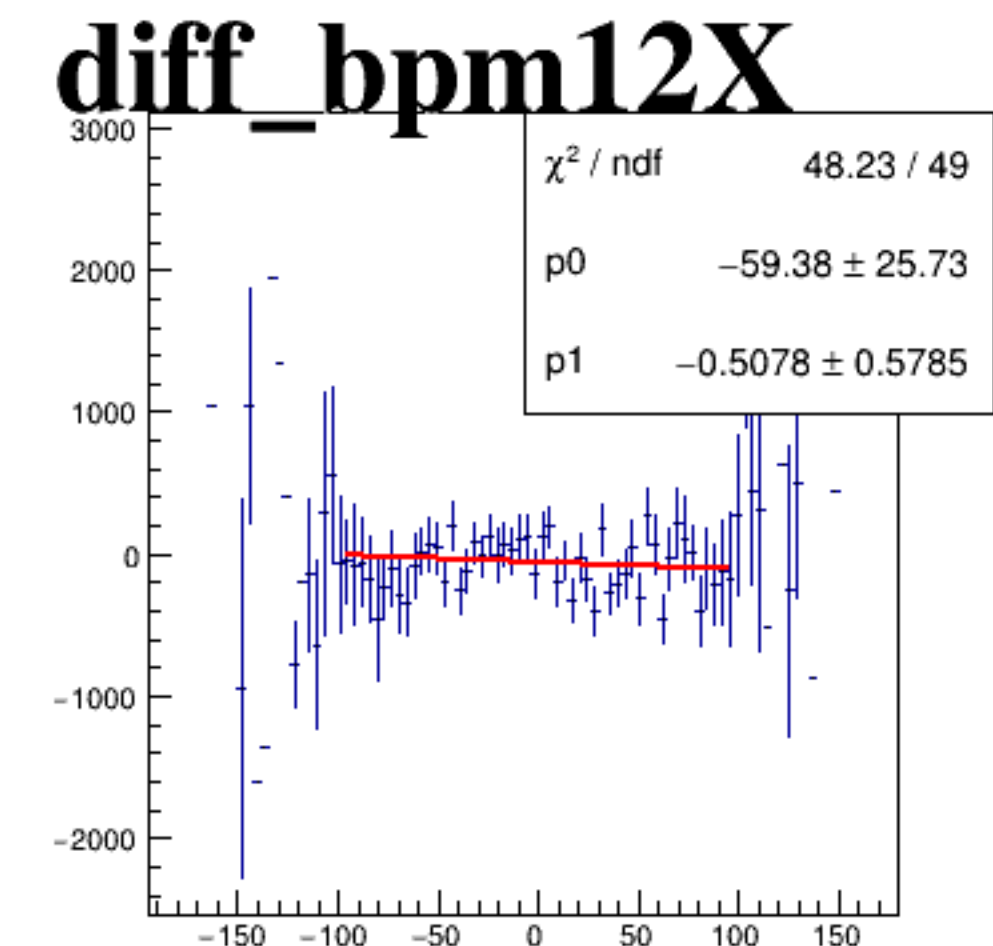
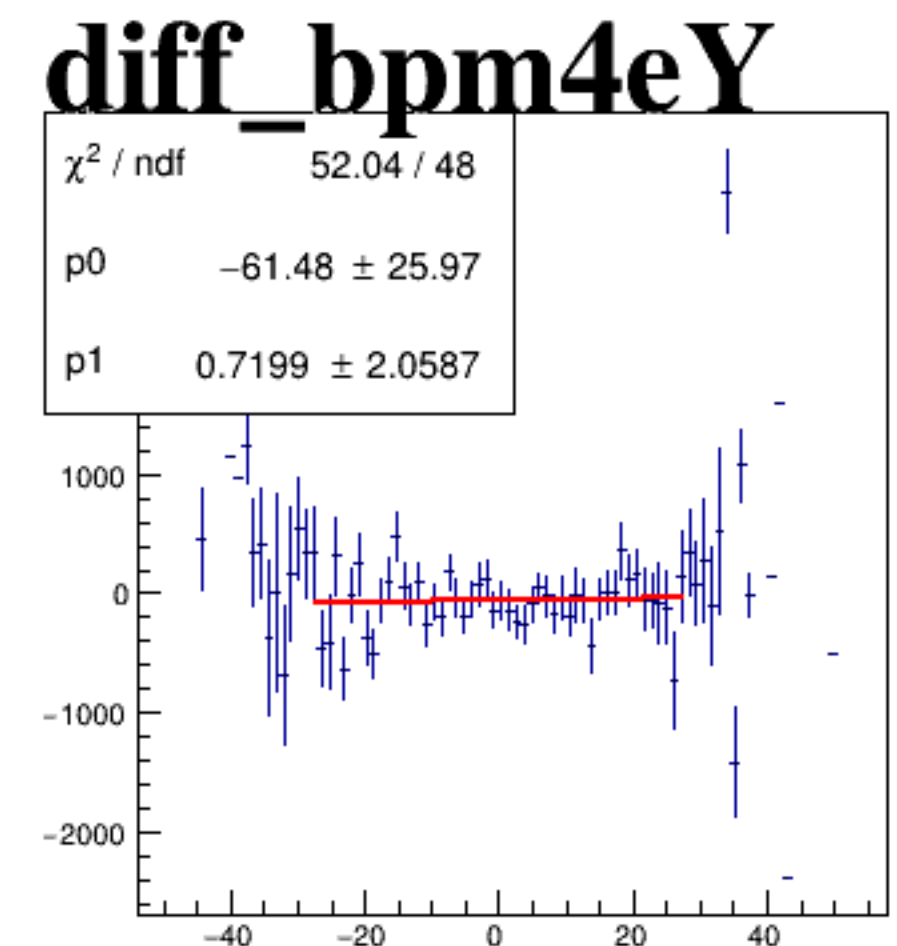
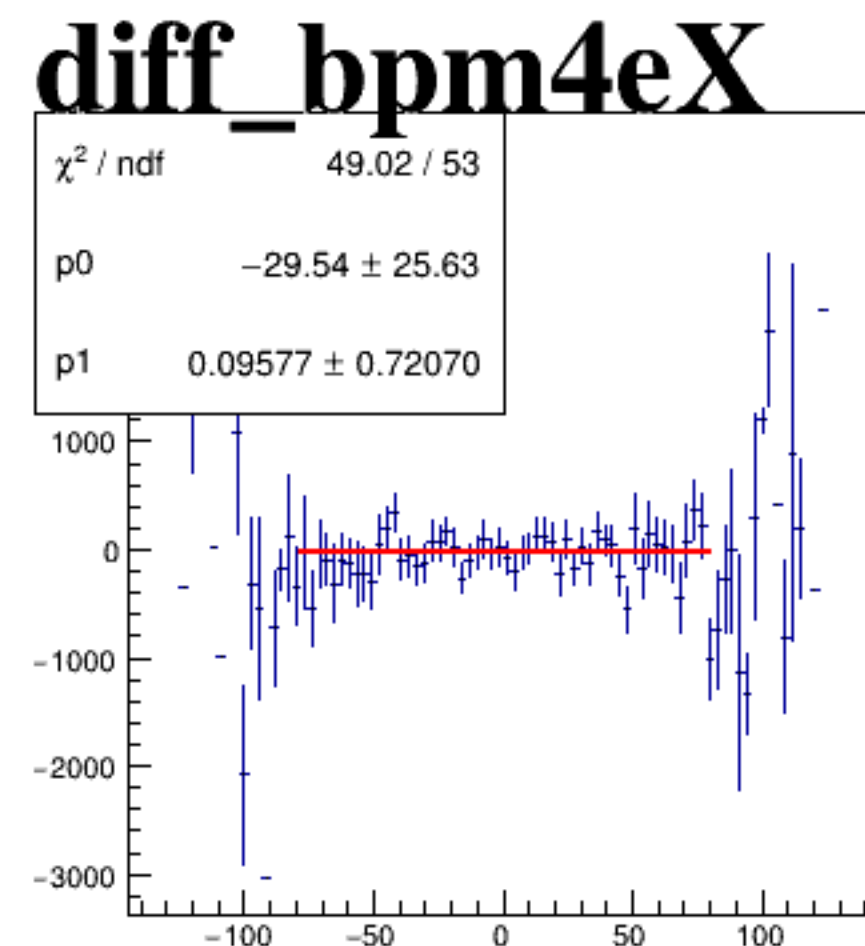
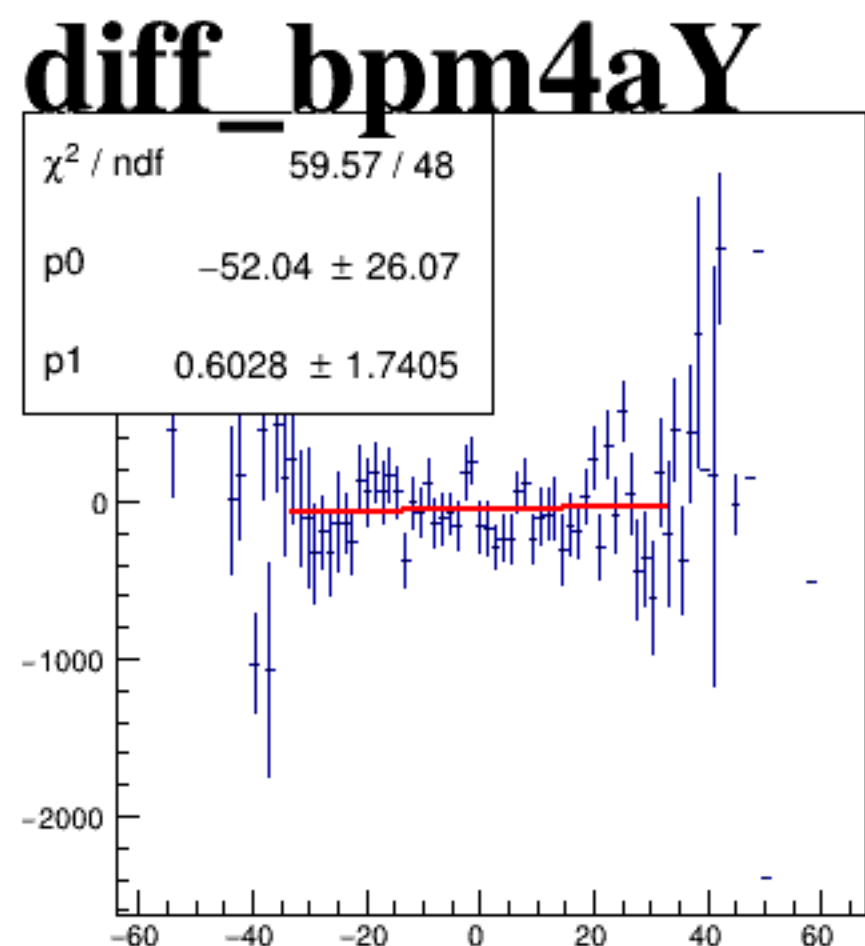
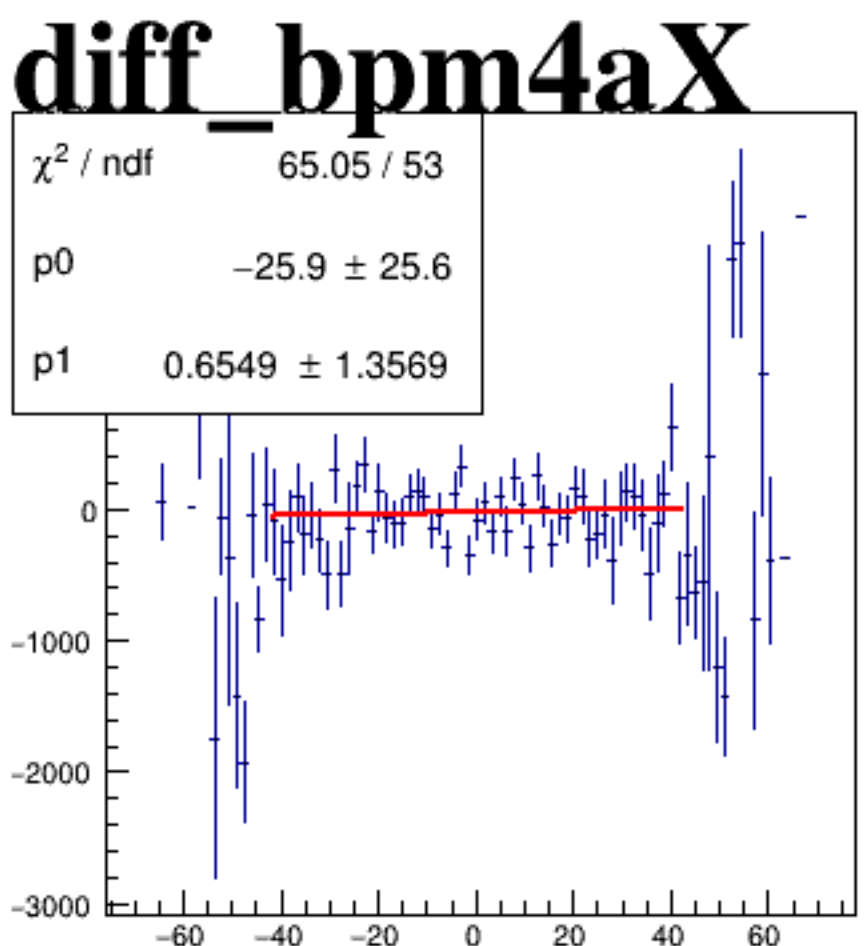
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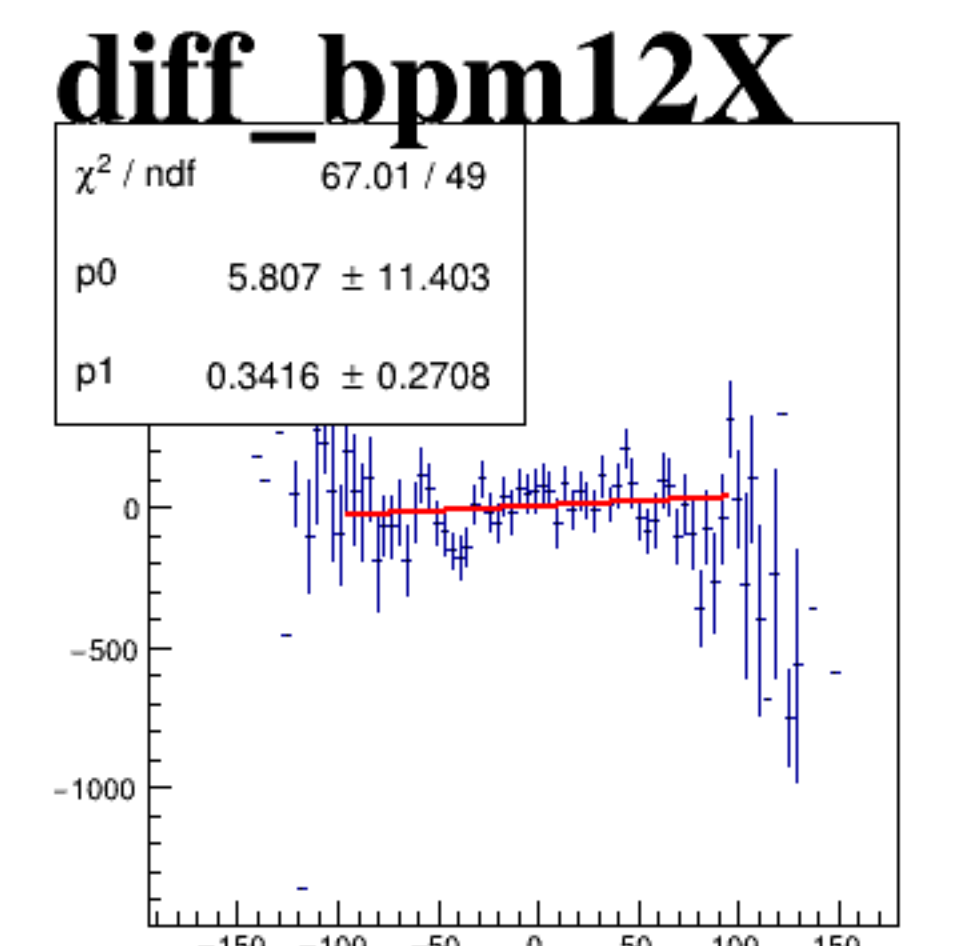
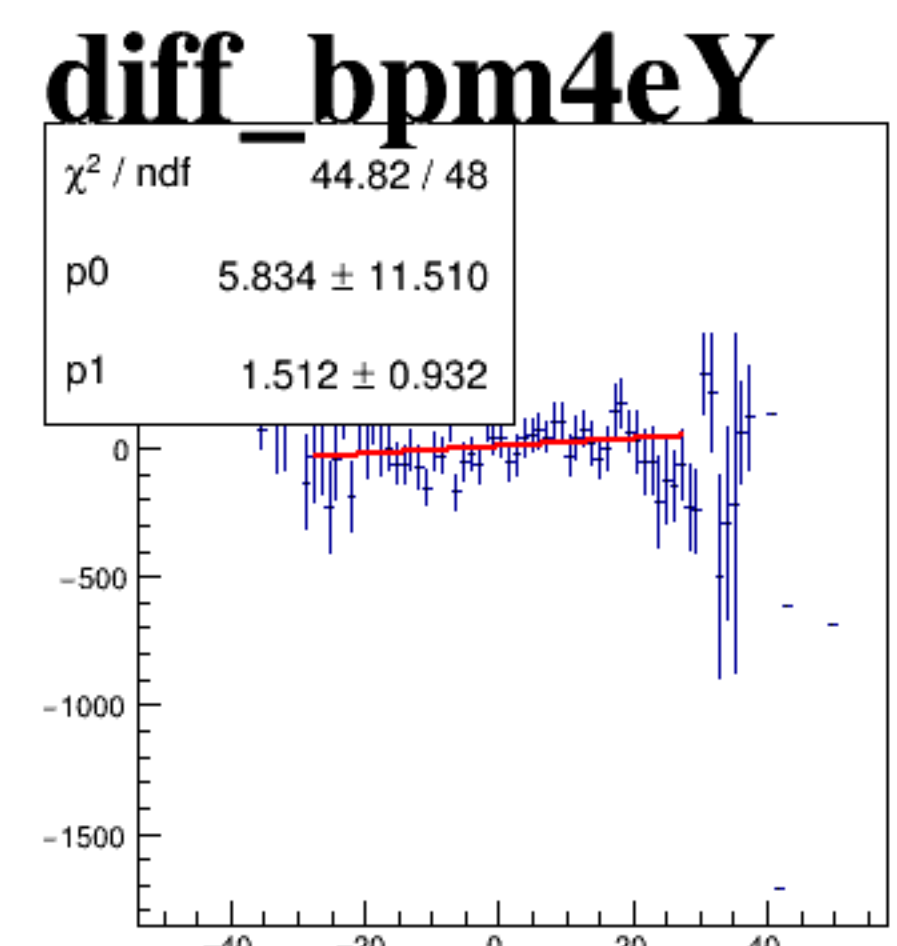
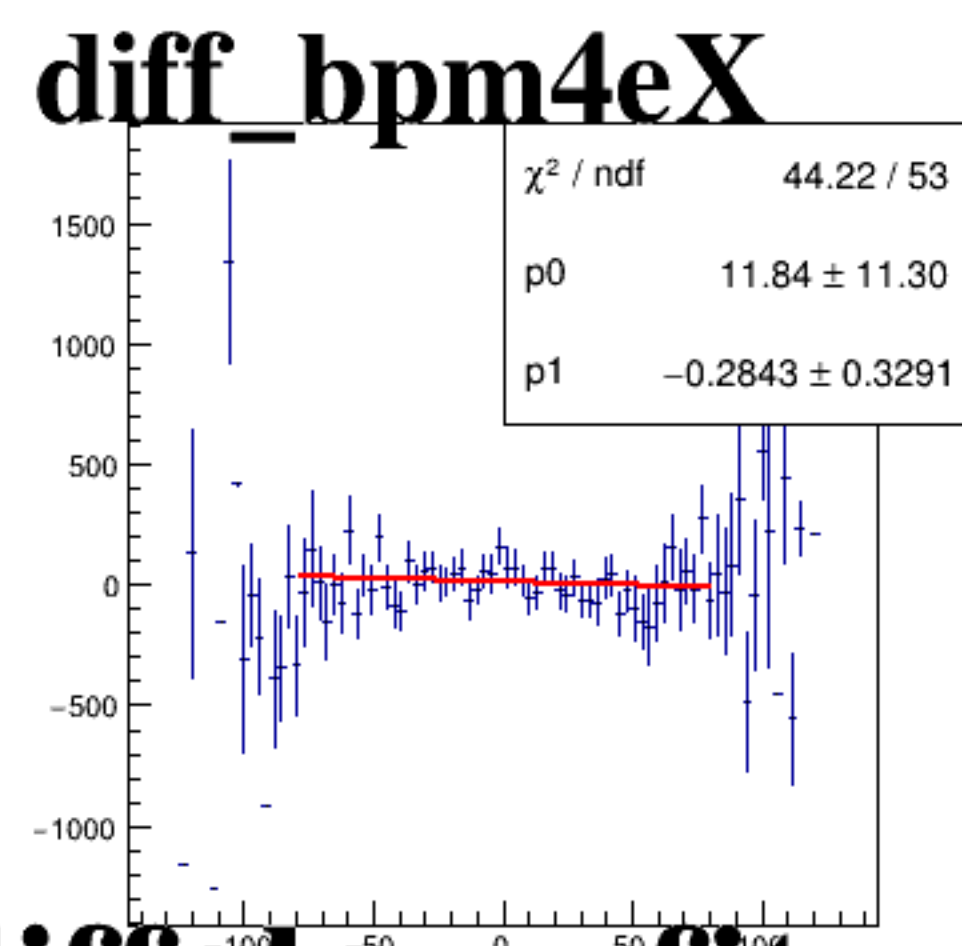
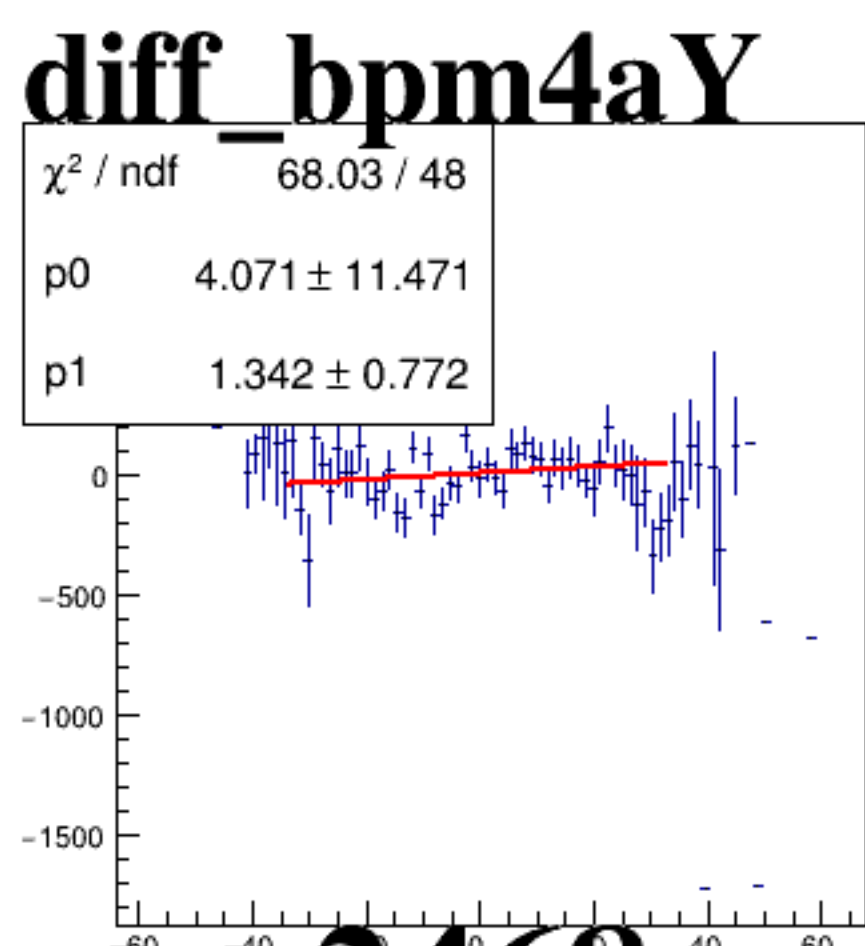
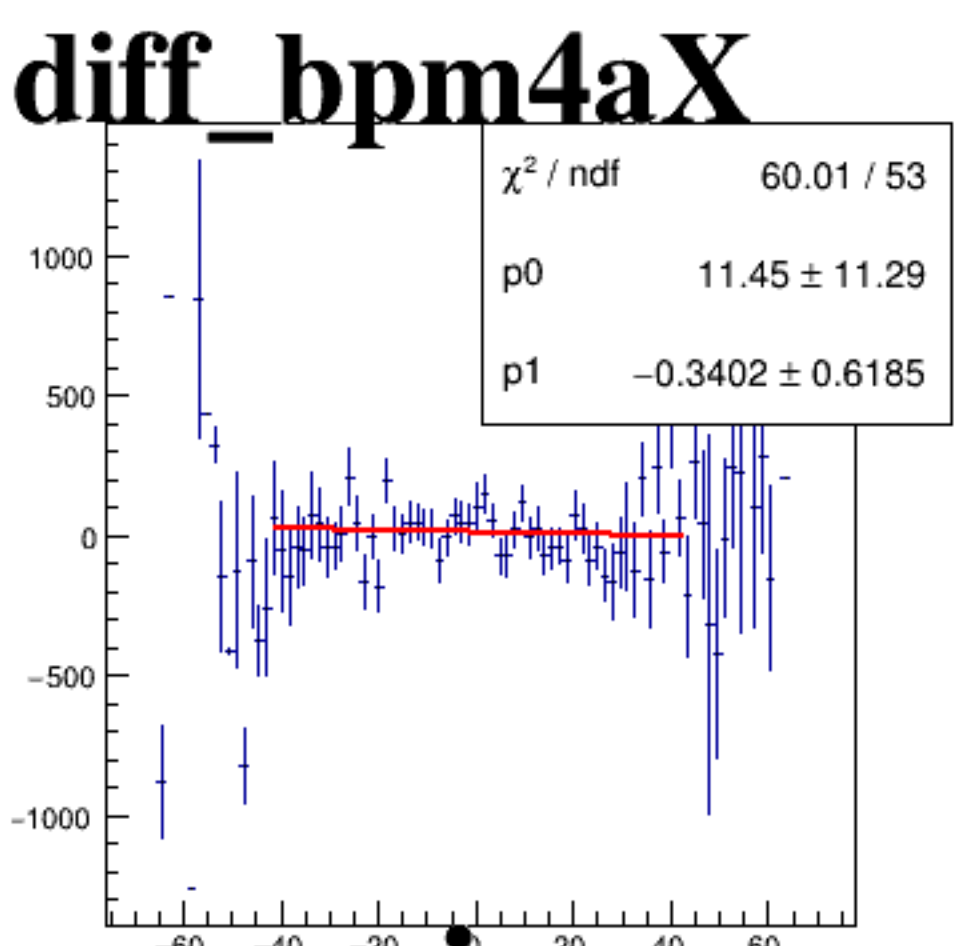
cor_sam2



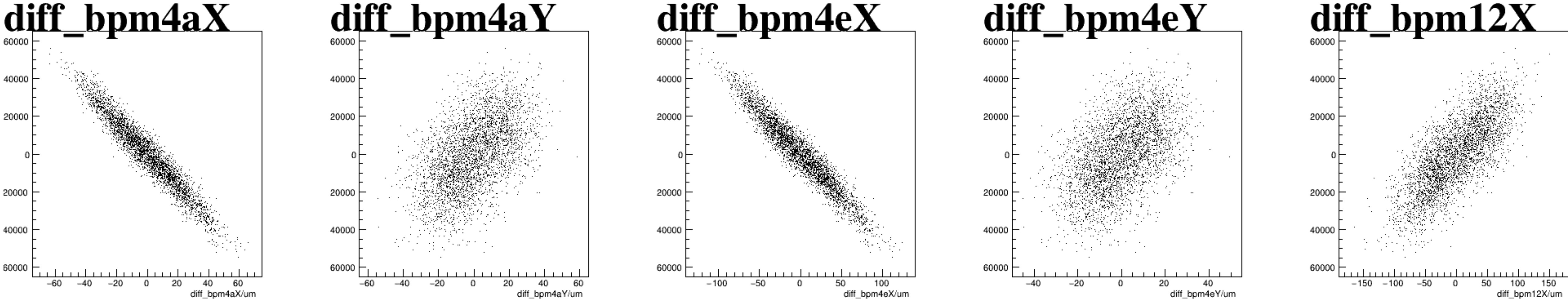
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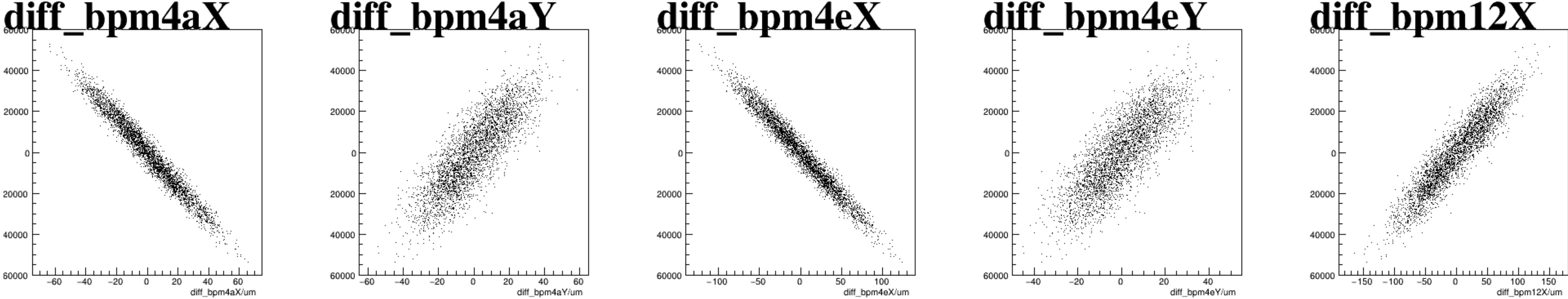
cor_sam6



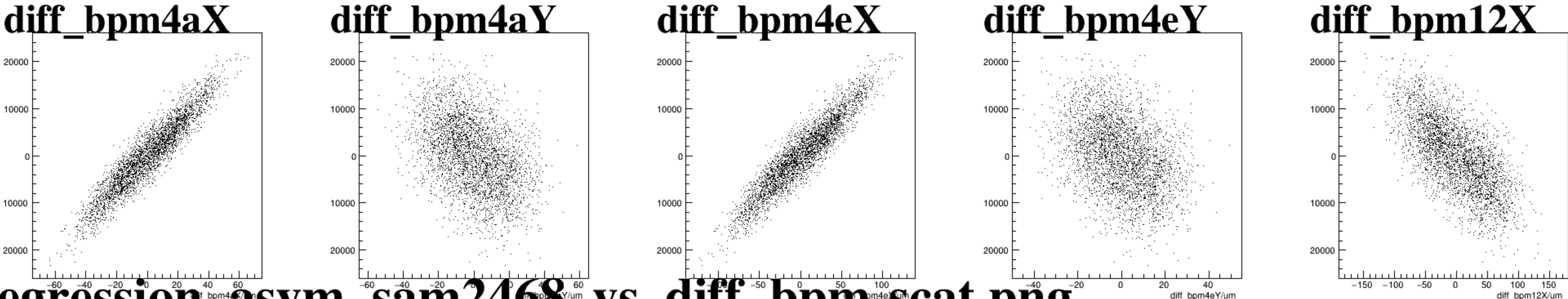
asym_sam2



asym_sam4



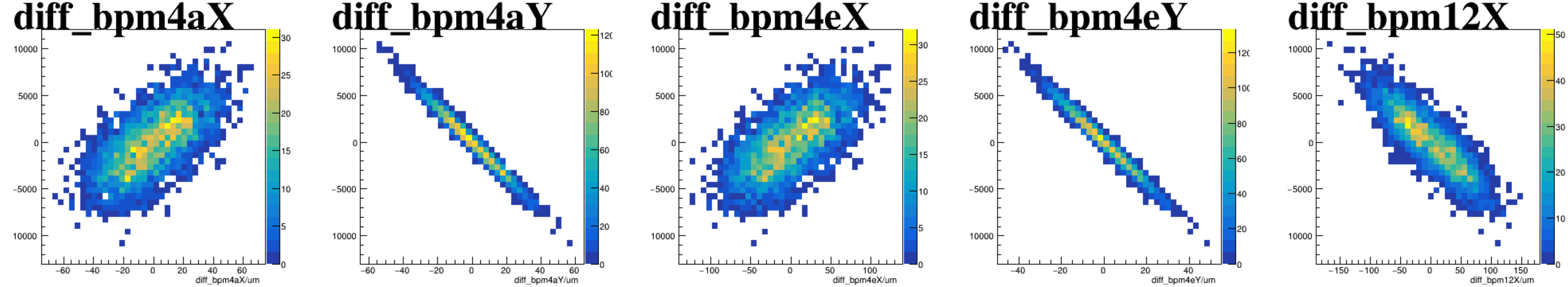
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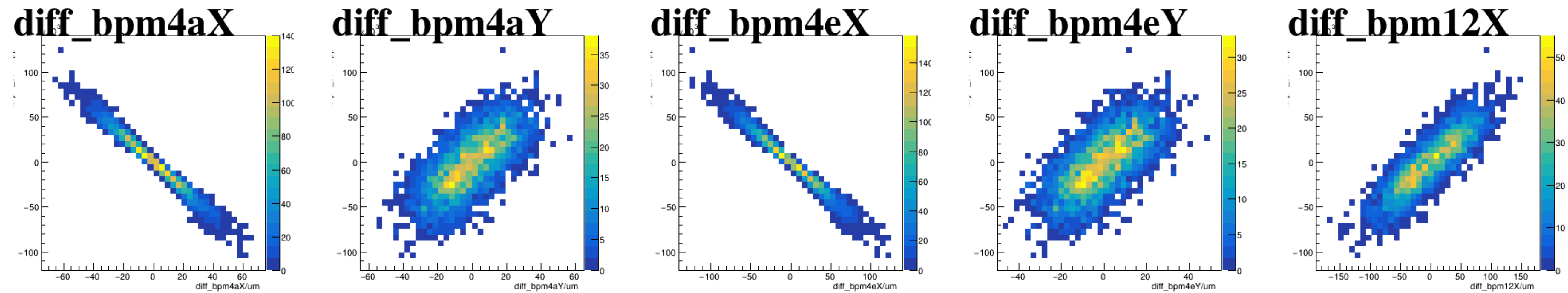
The figure consists of five scatter plots arranged horizontally, each showing the difference in BPM (diff_bpm) for a specific beam parameter. The y-axis for all plots is labeled 'diff_bpm' and ranges from -10000 to 10000. The x-axis for each plot is labeled 'diff_bpm' followed by the parameter name and a unit (um).

- diff_bpm4aX**: The x-axis ranges from -60 to 60 um. The data points are centered around zero difference.
- diff_bpm4aY**: The x-axis ranges from -60 to 60 um. The data points are centered around zero difference.
- diff_bpm4eX**: The x-axis ranges from -100 to 100 um. The data points are centered around zero difference.
- diff_bpm4eY**: The x-axis ranges from -40 to 40 um. The data points are centered around zero difference.
- diff_bpm12X**: The x-axis ranges from -150 to 150 um. The data points are centered around zero difference.

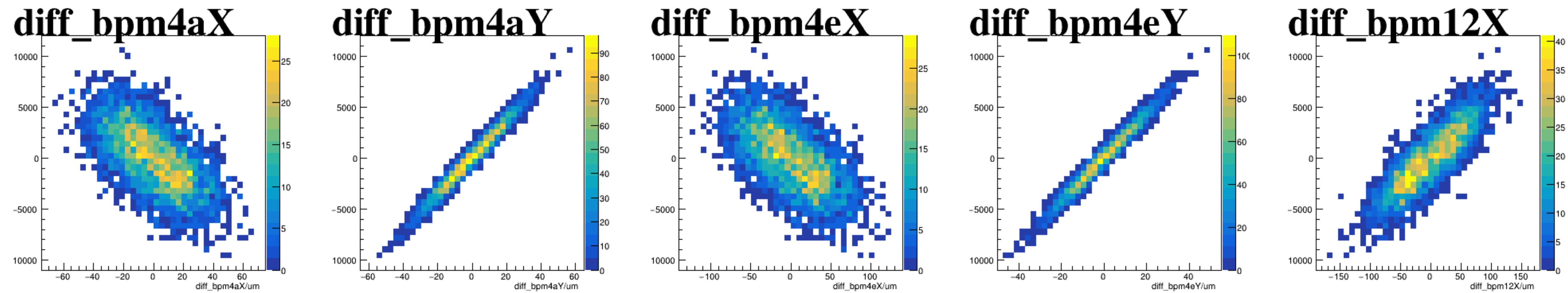
asym_sam1



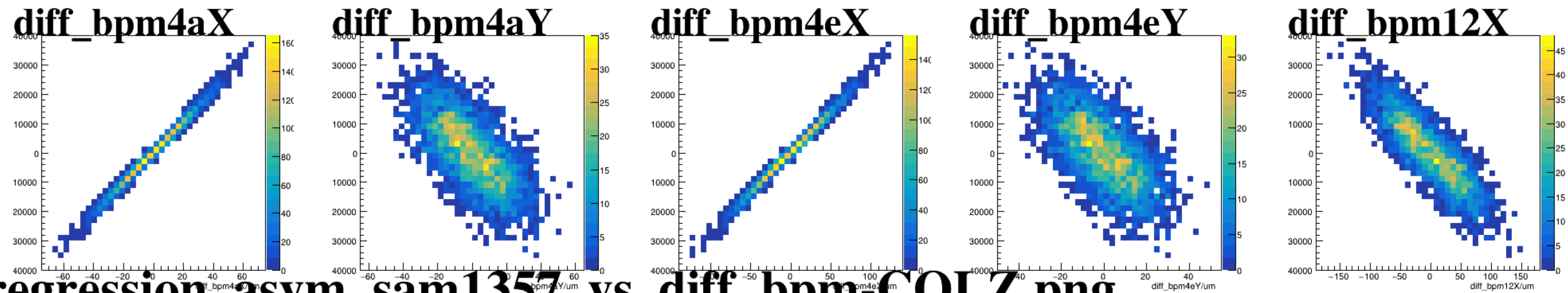
asym_sam3



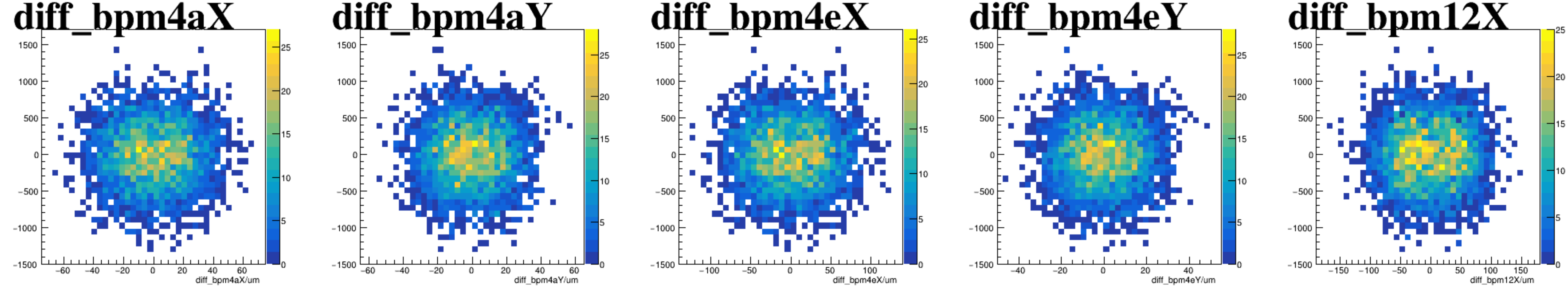
asym_sam5



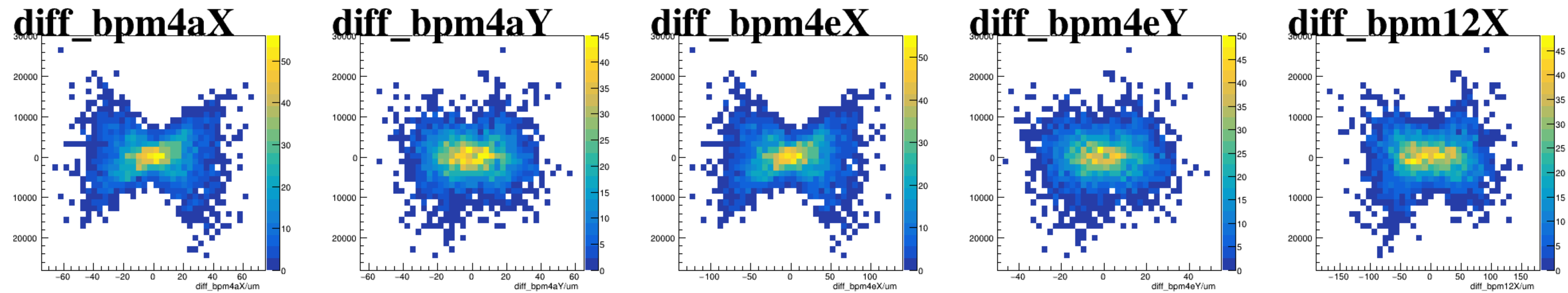
asym_sam7



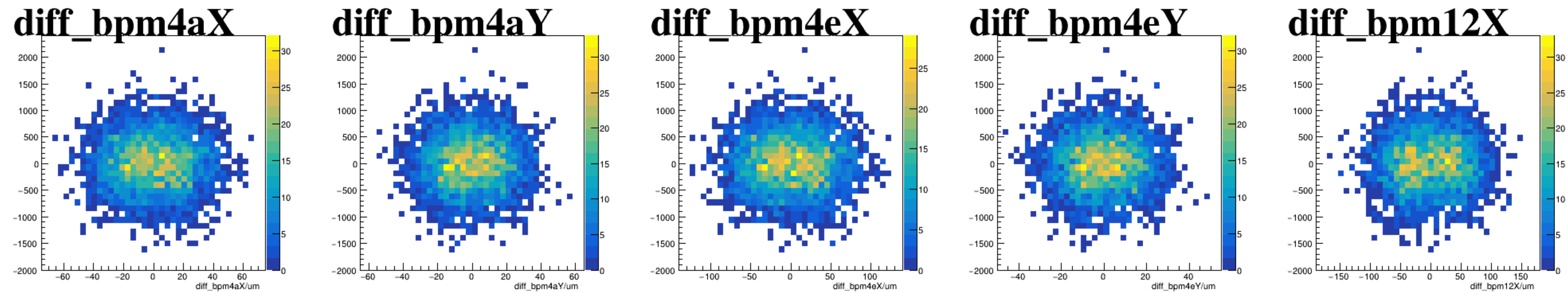
cor_sam1



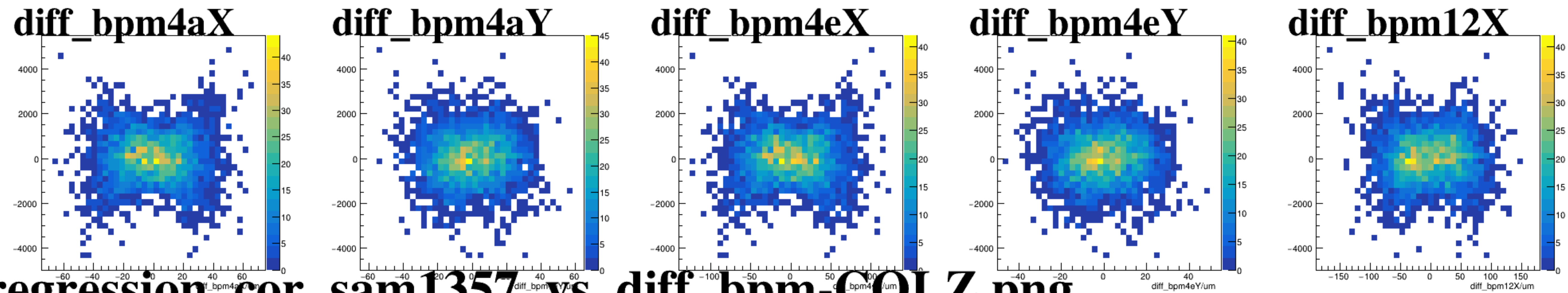
cor_sam3



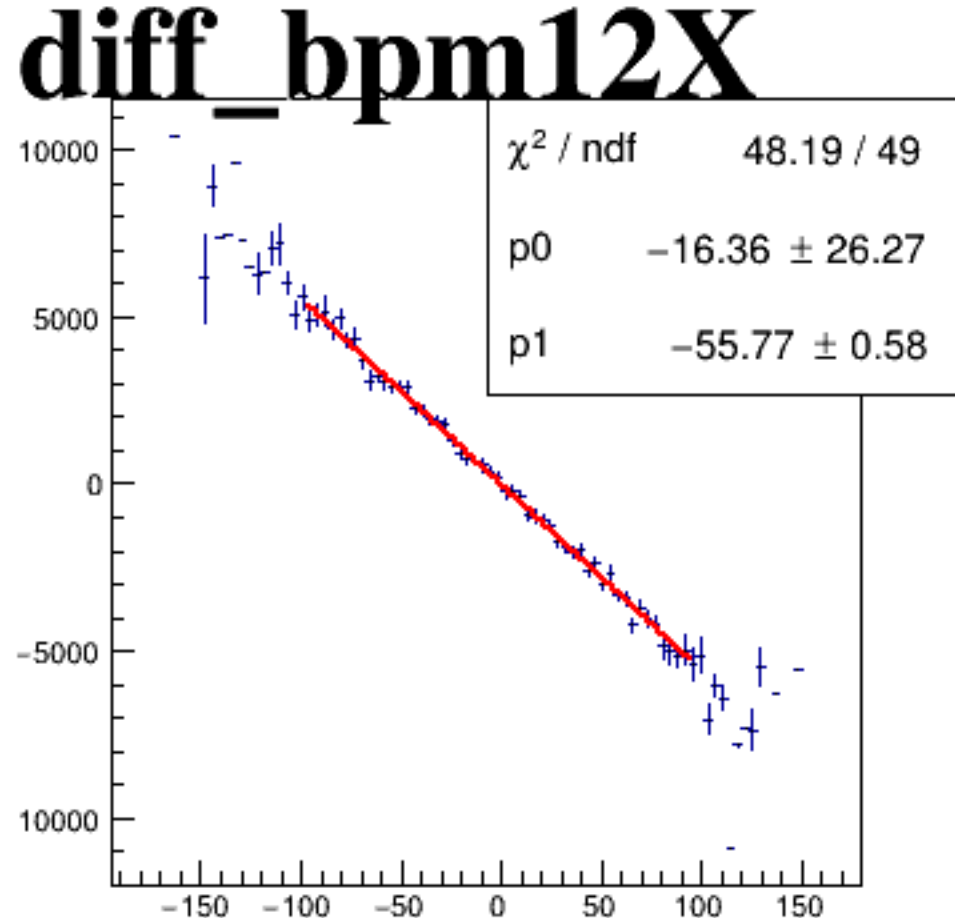
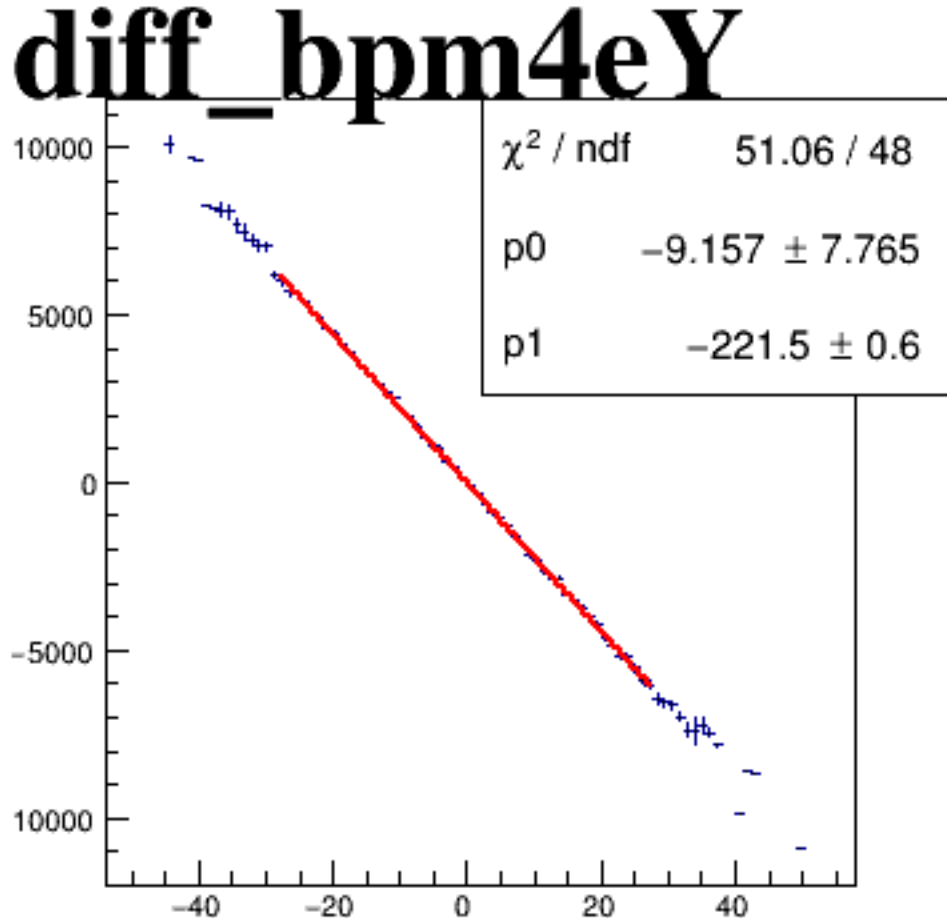
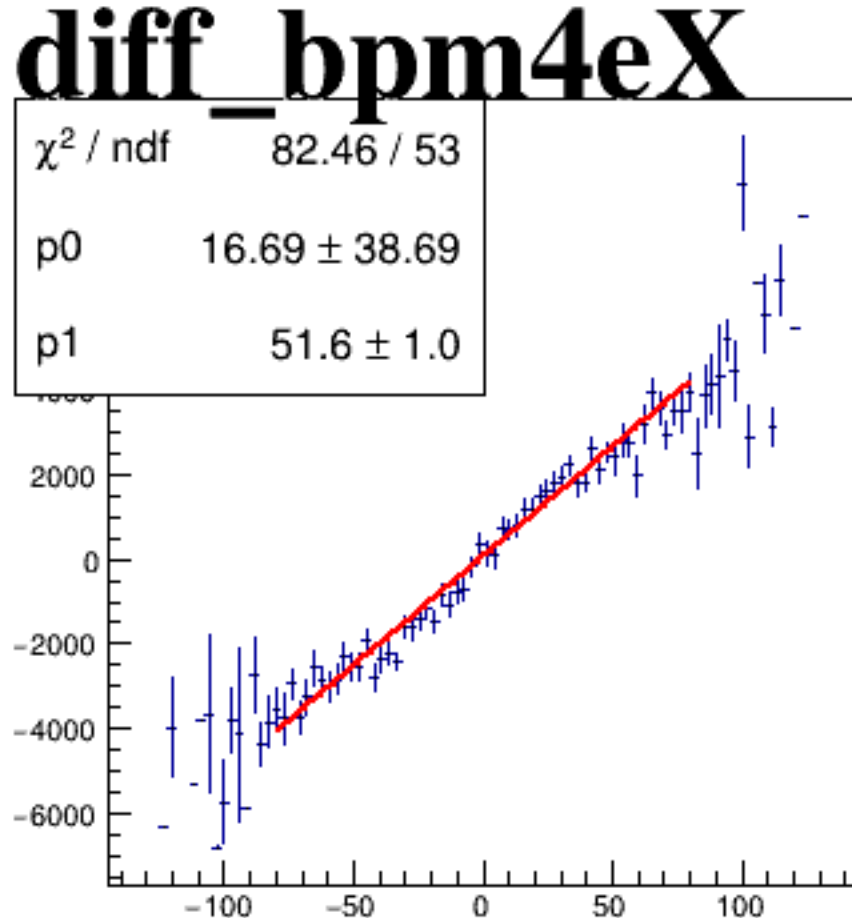
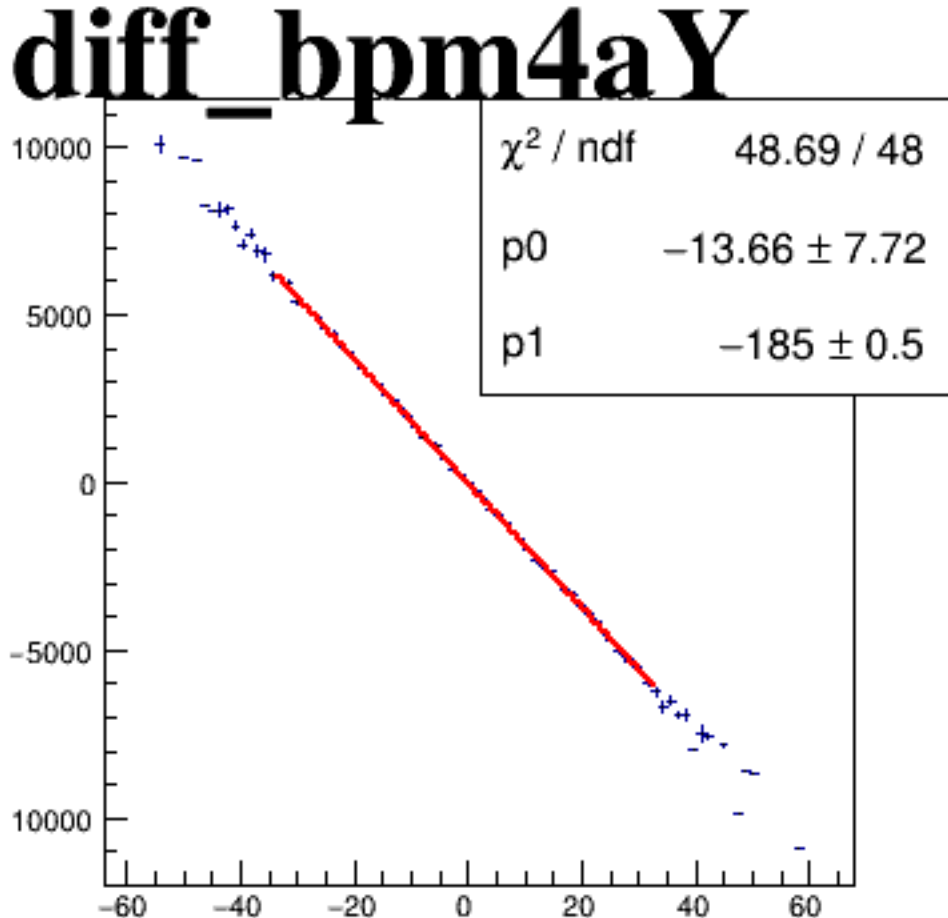
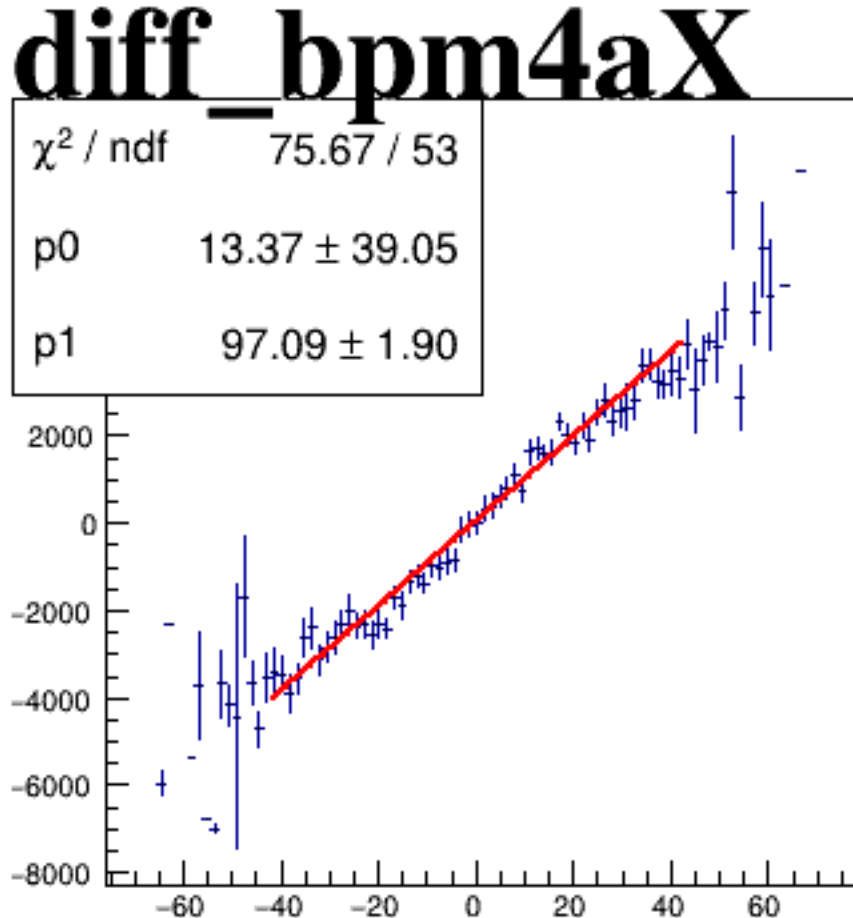
cor_sam5



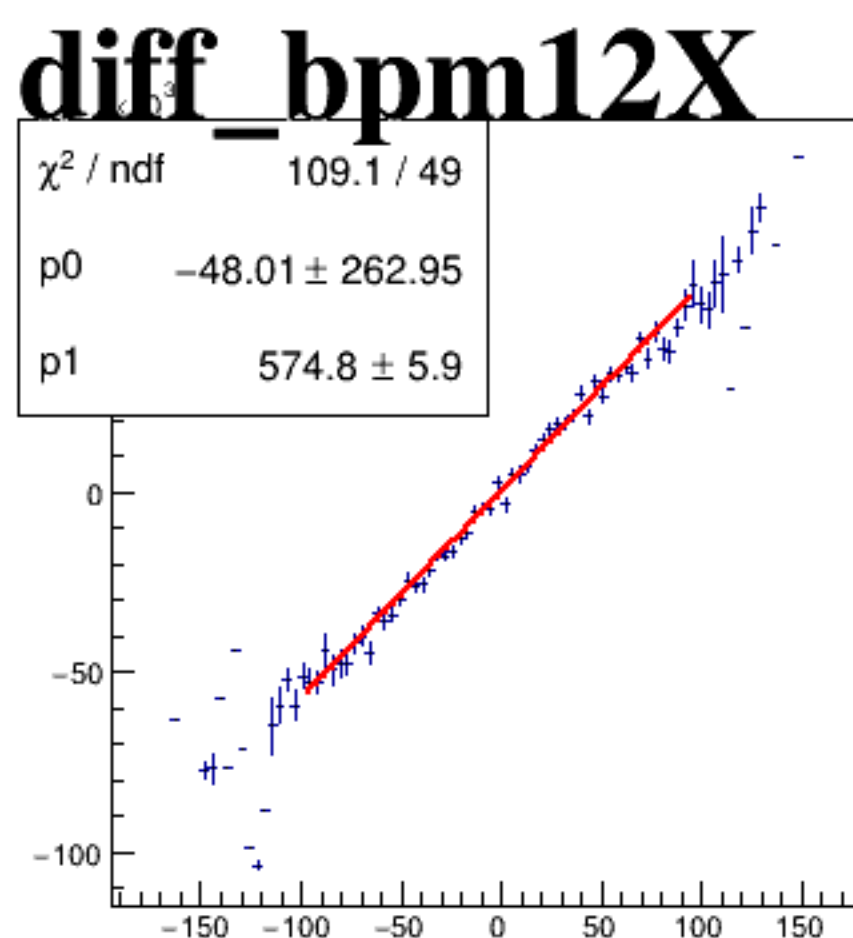
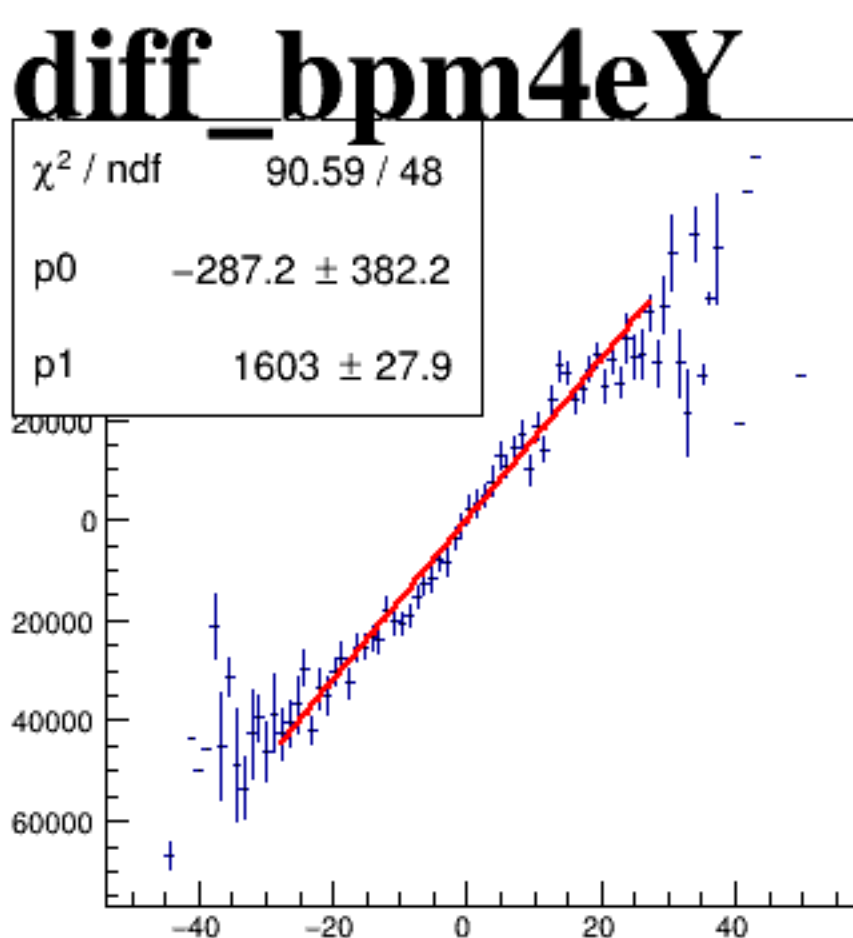
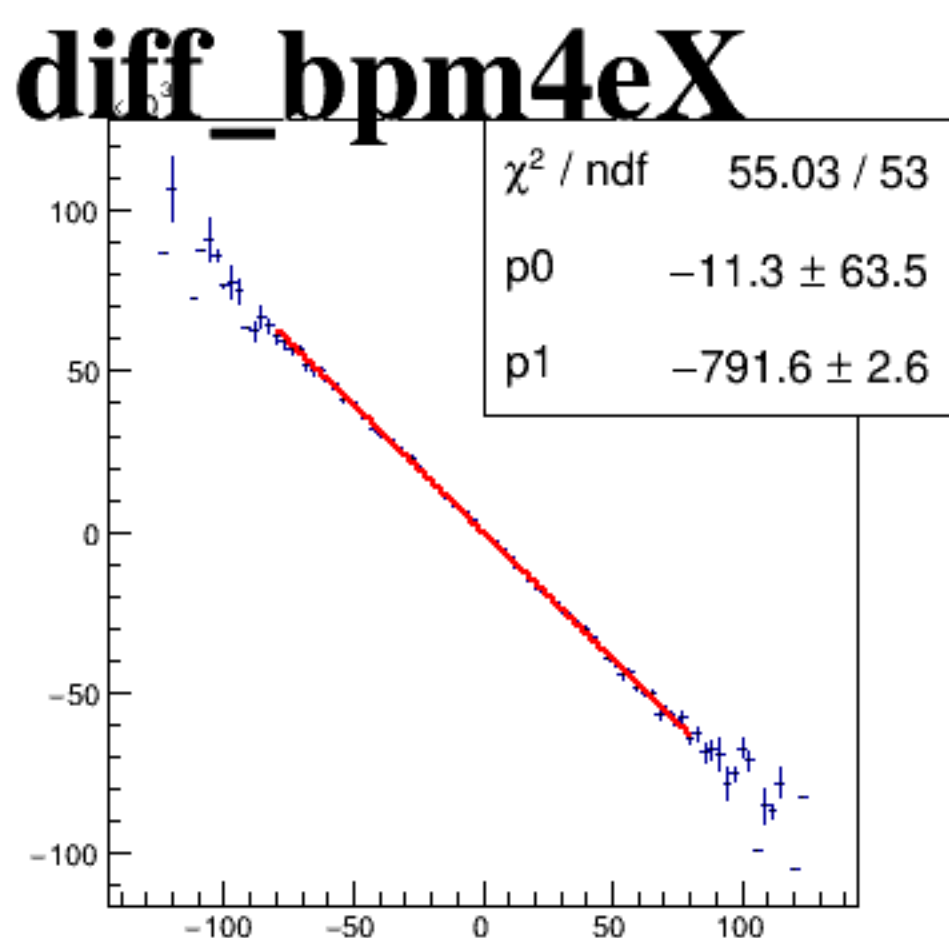
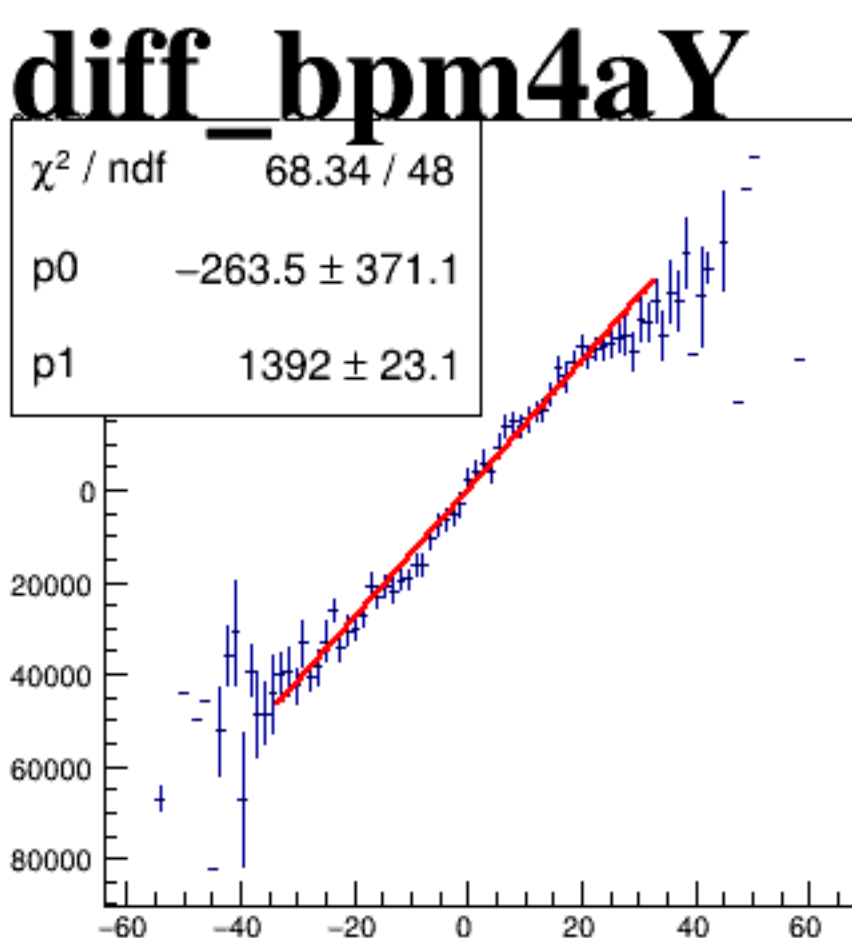
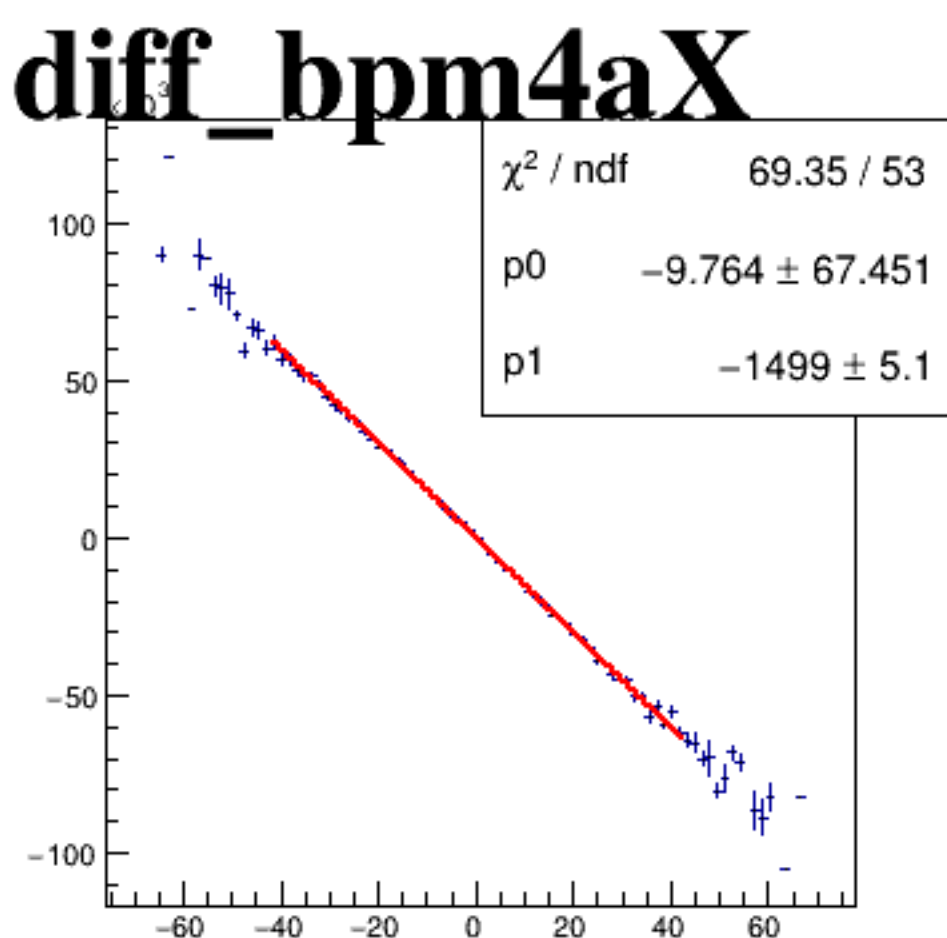
cor_sam7



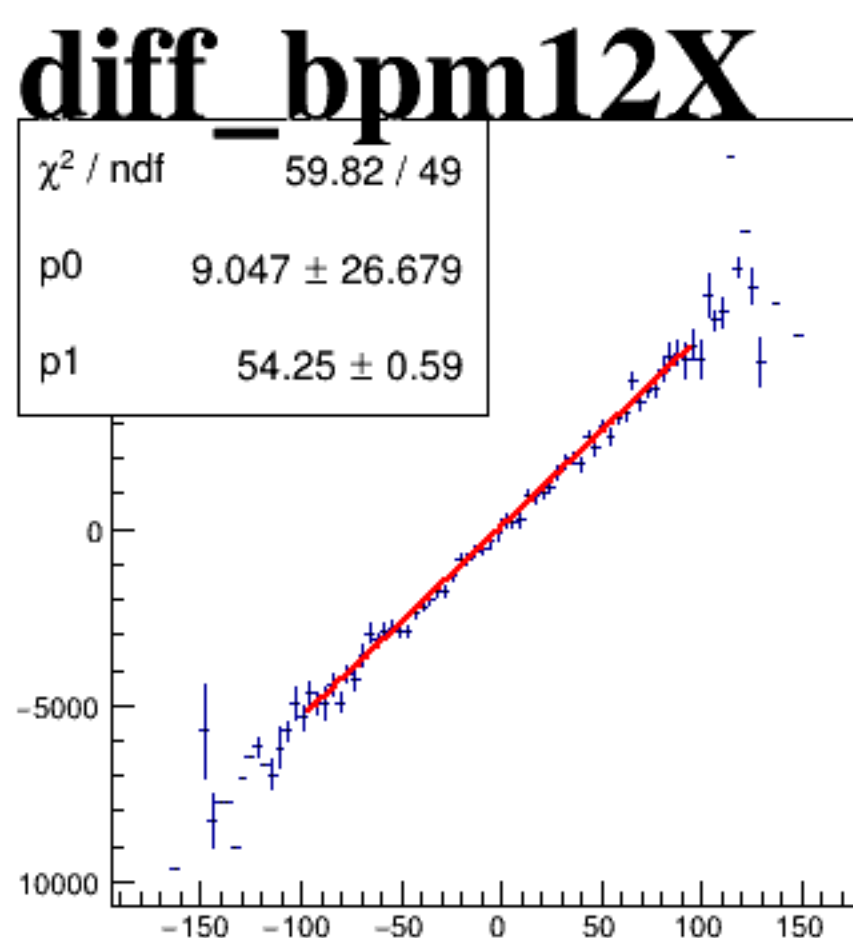
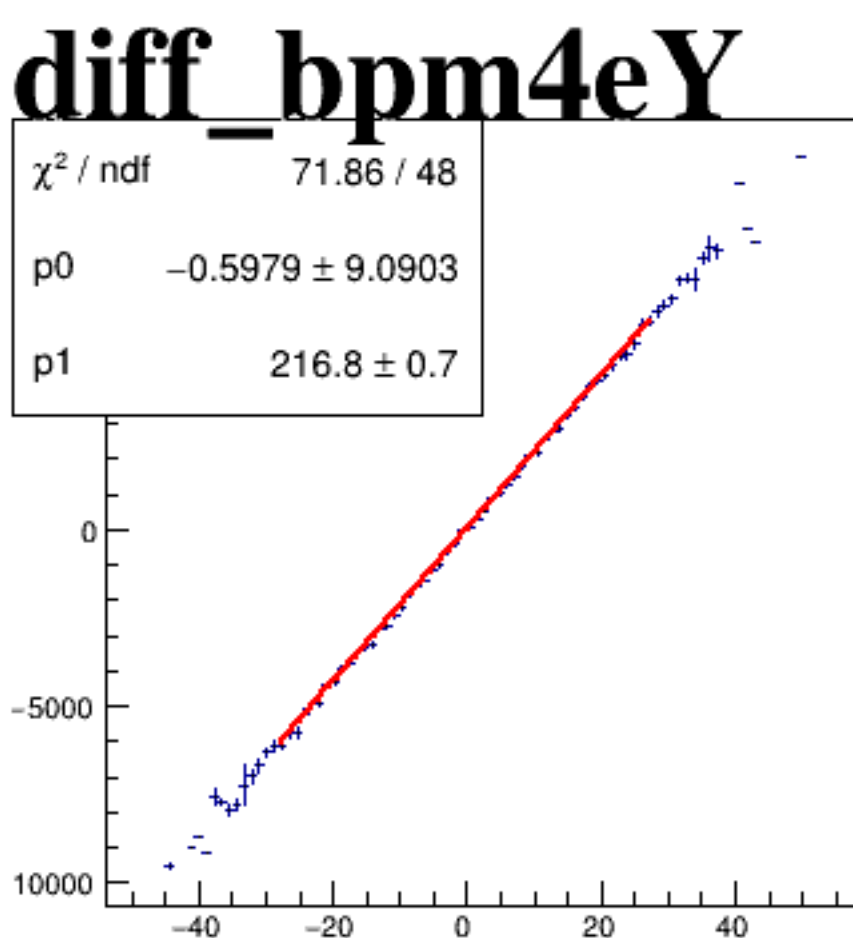
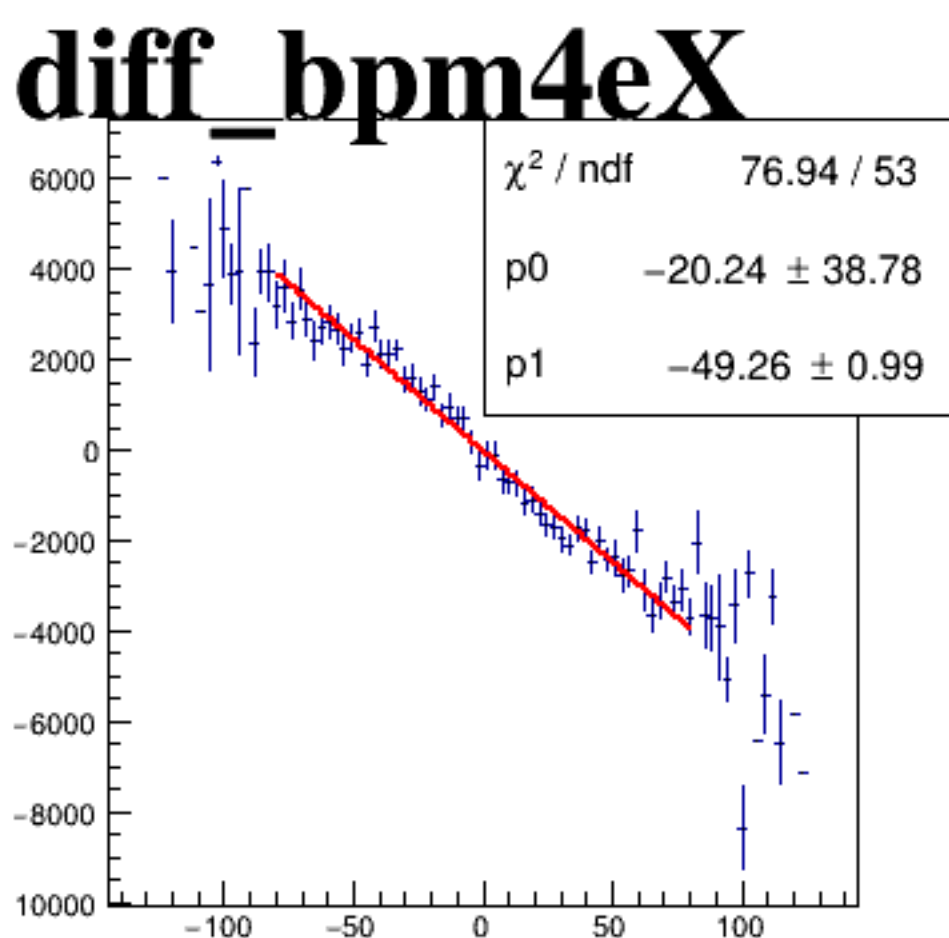
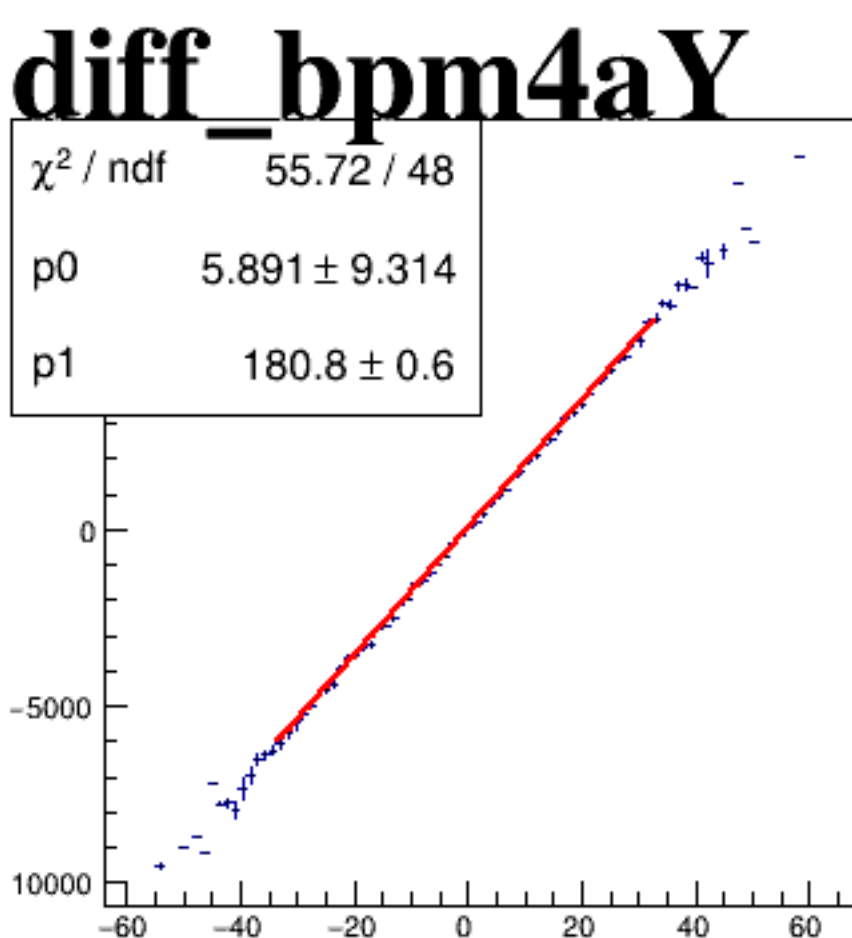
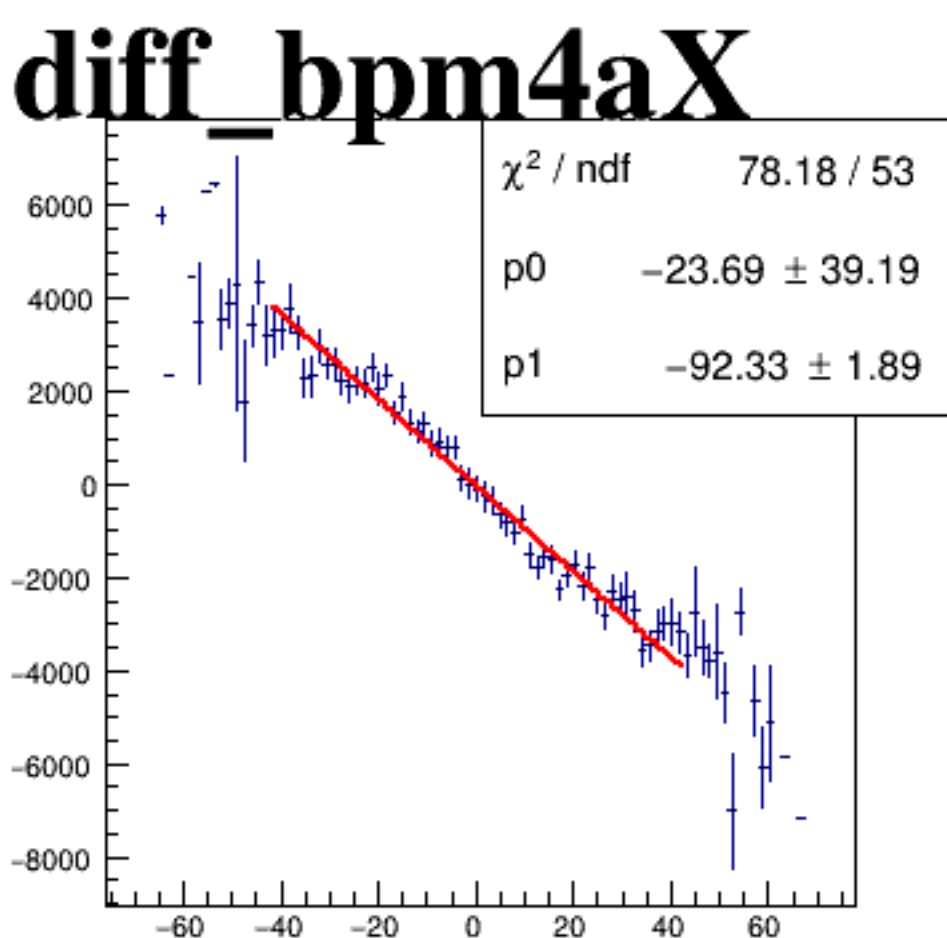
asym_sam1



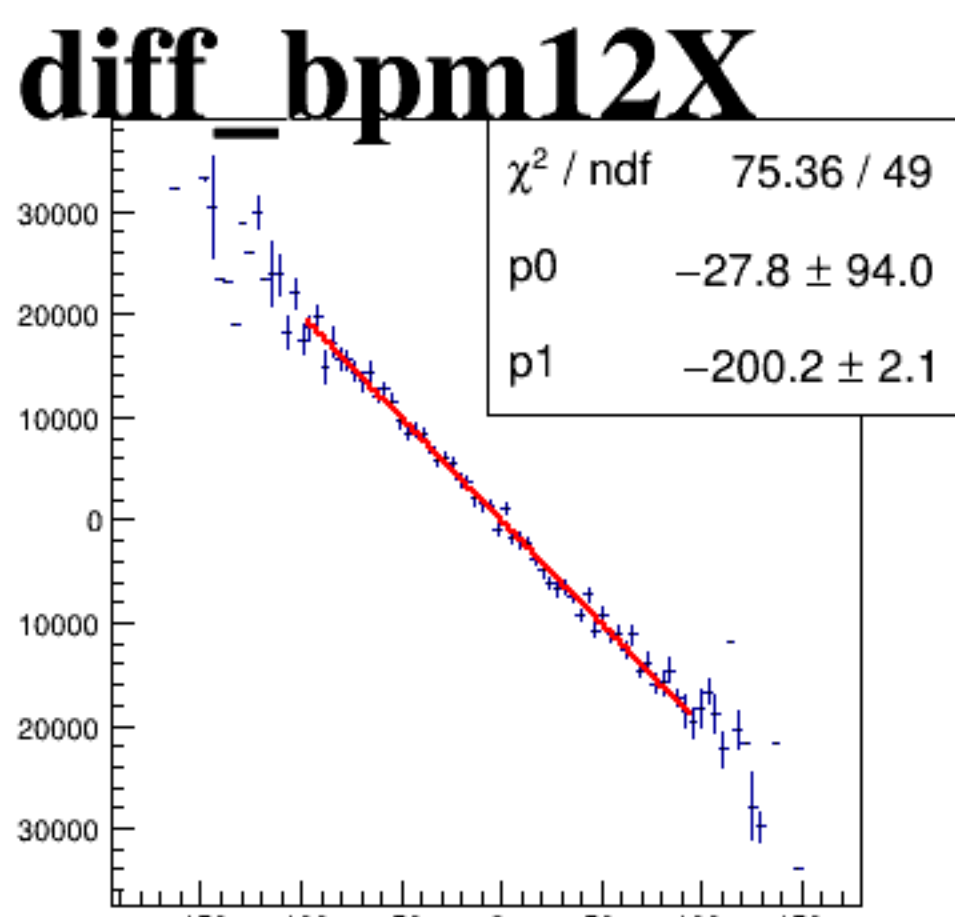
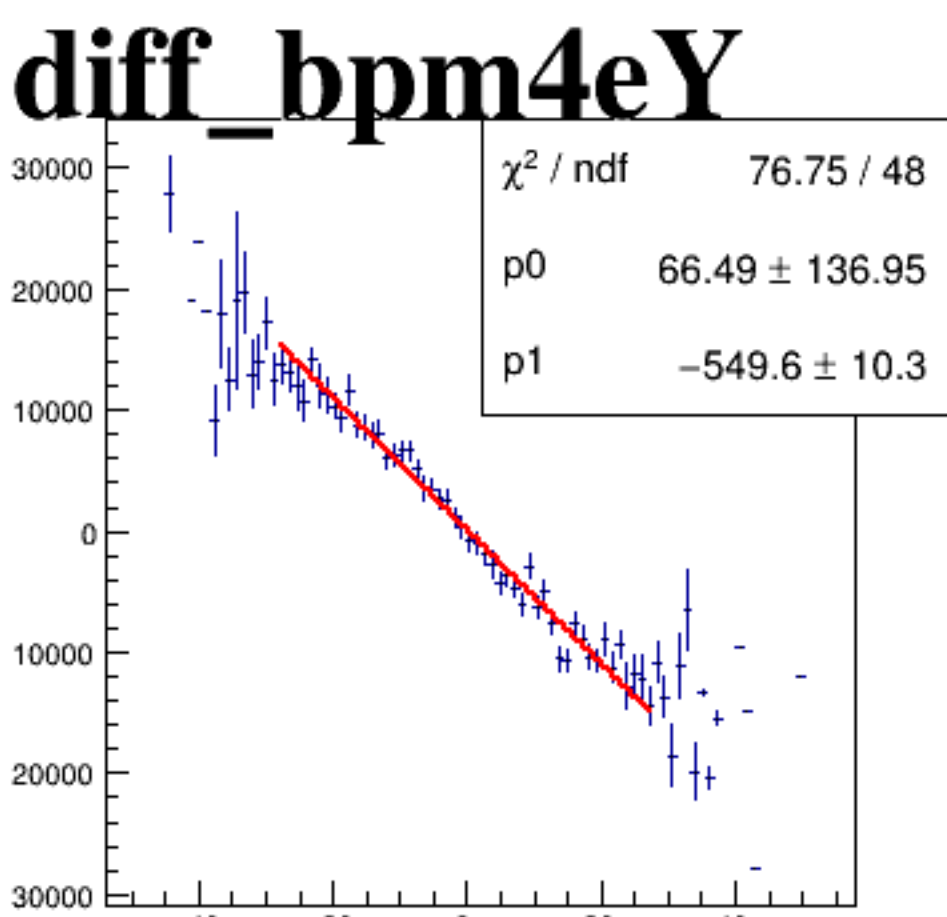
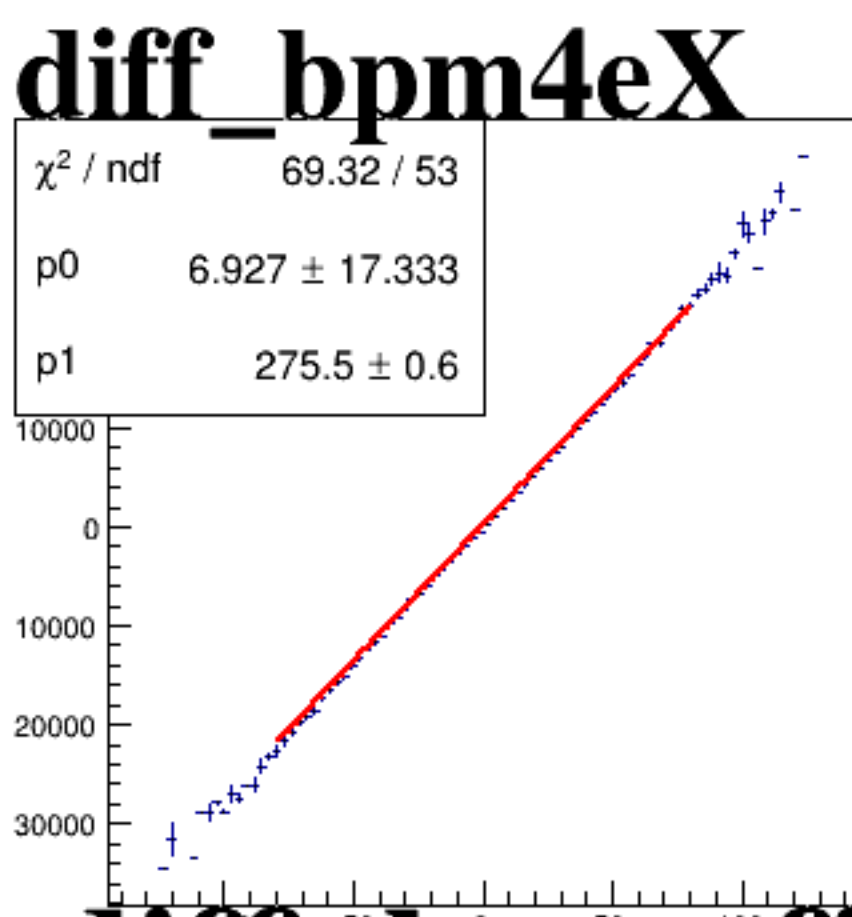
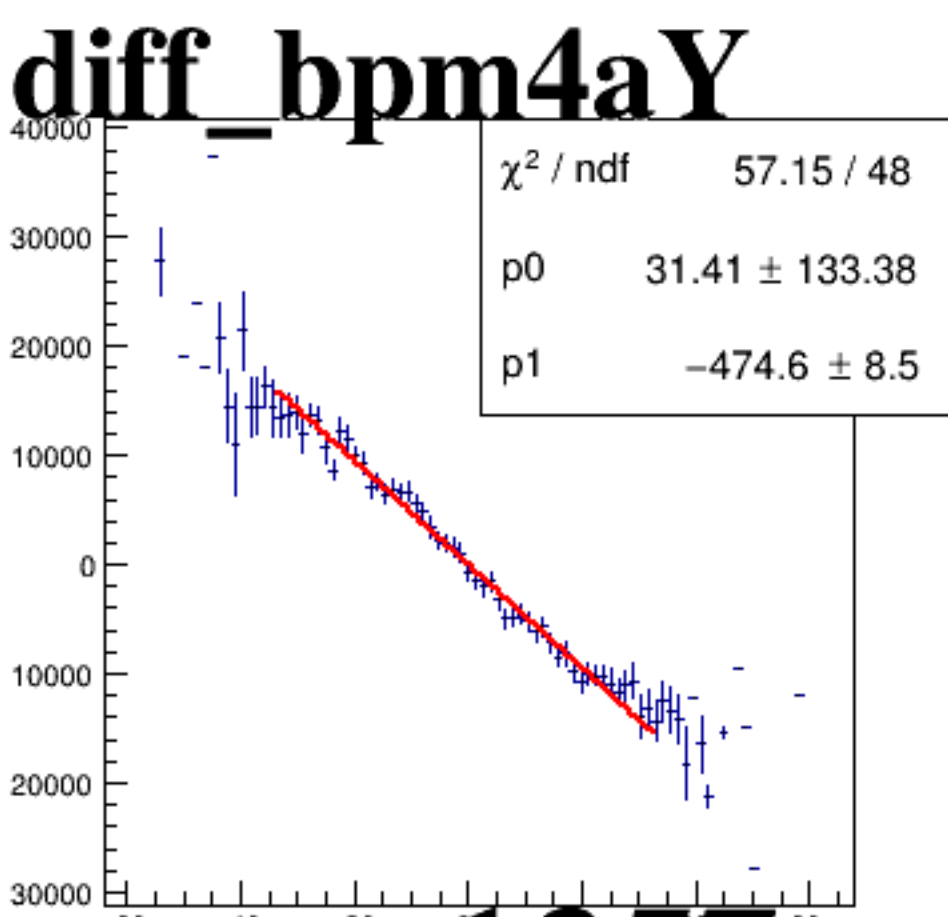
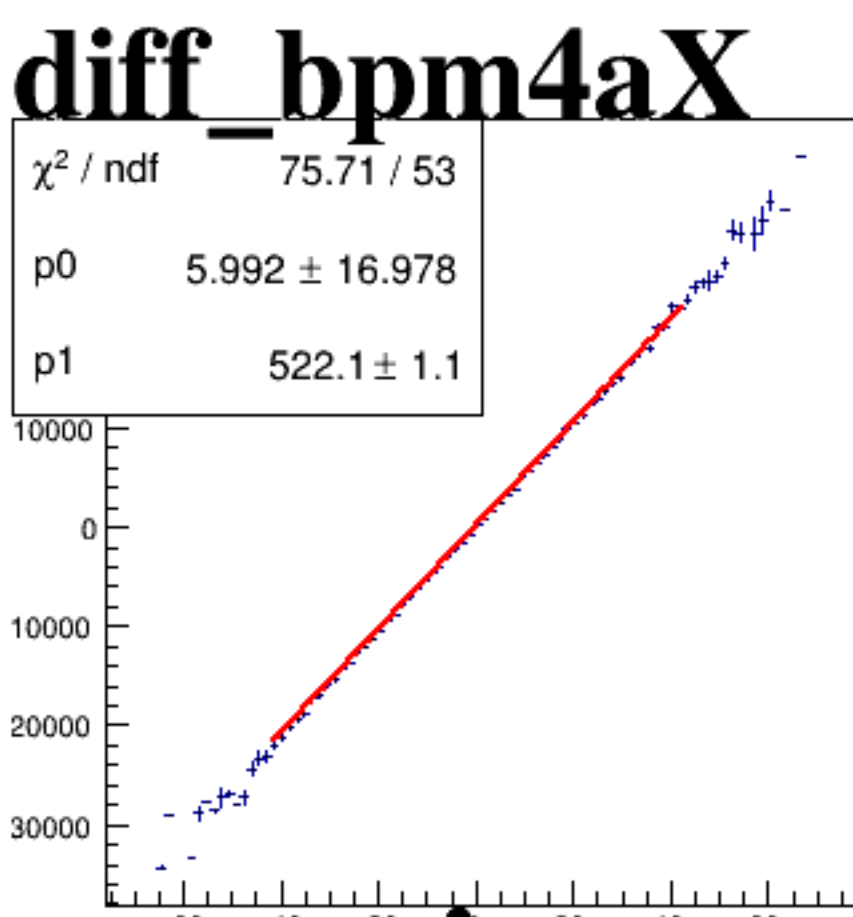
asym_sam3



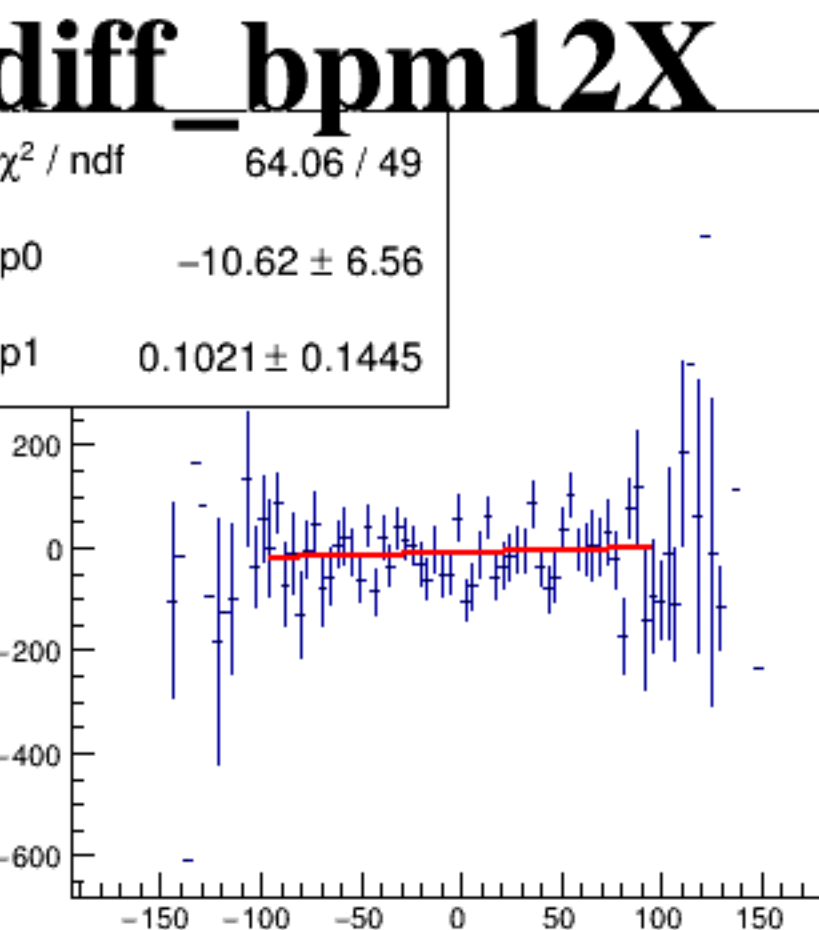
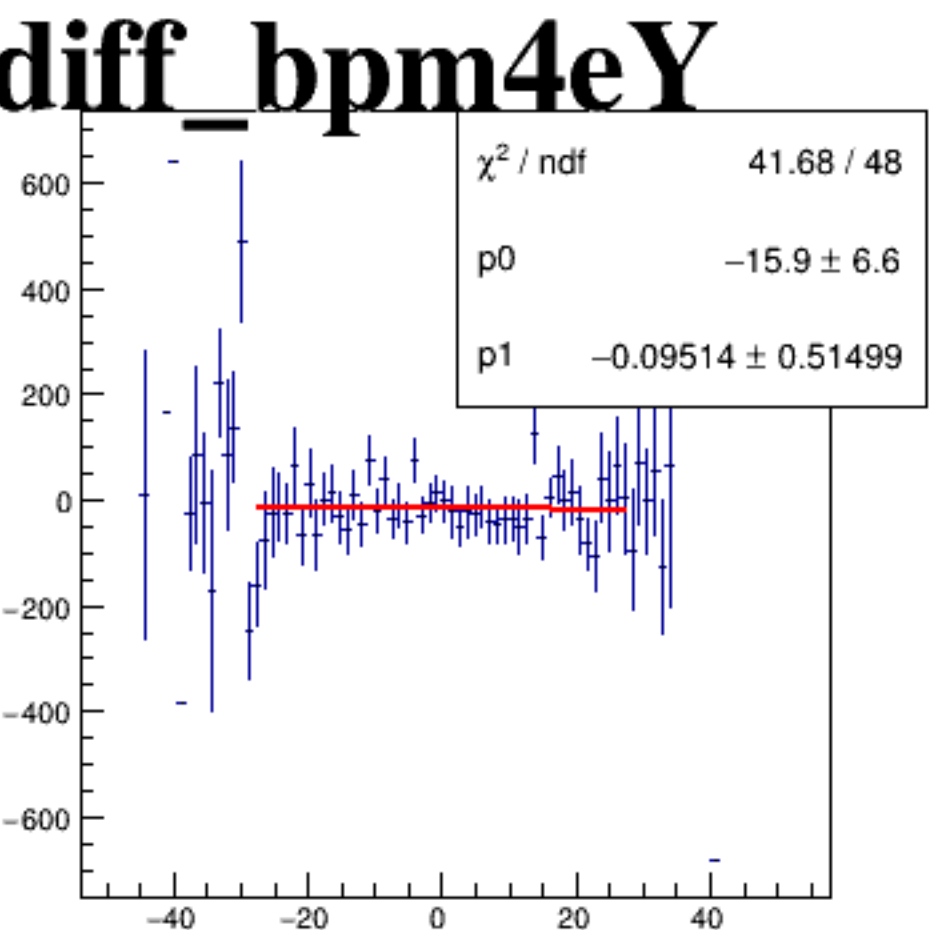
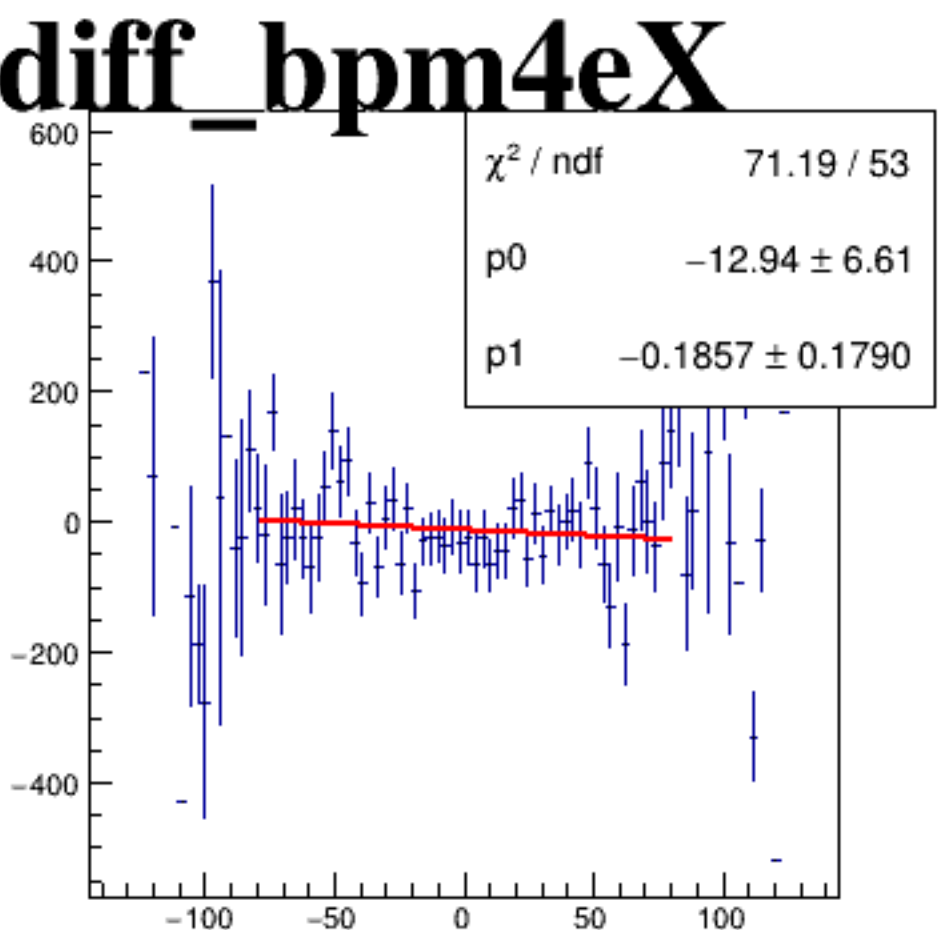
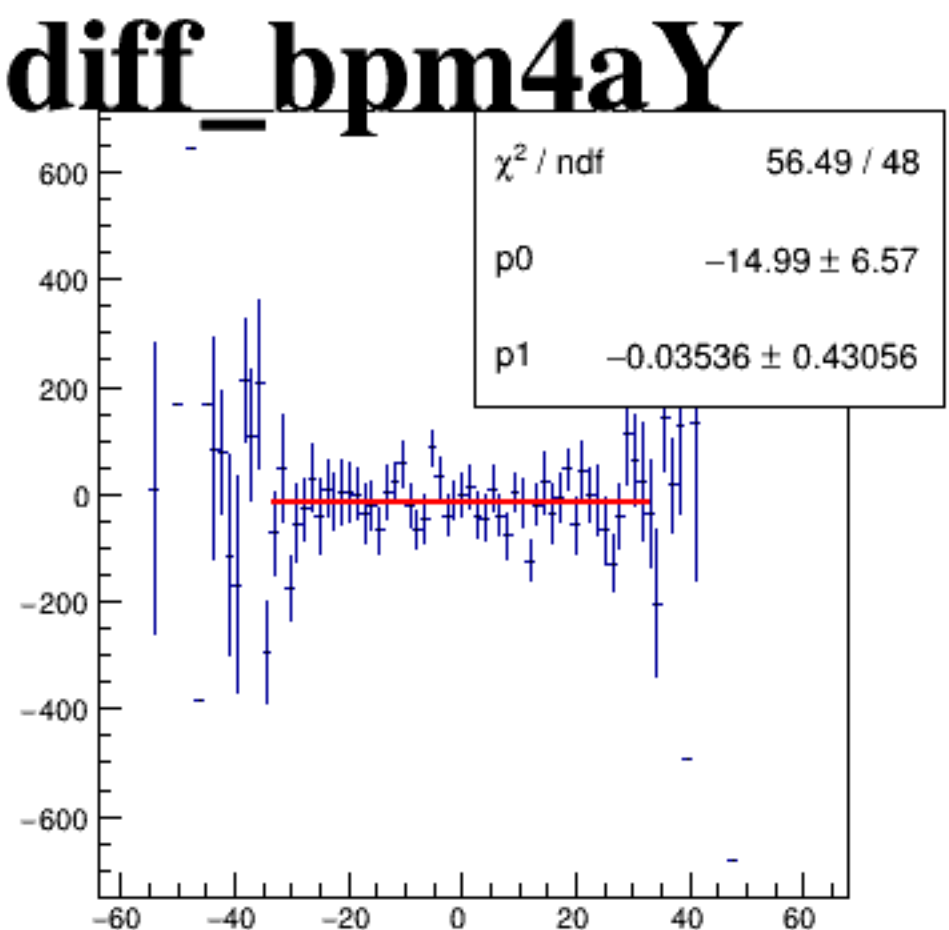
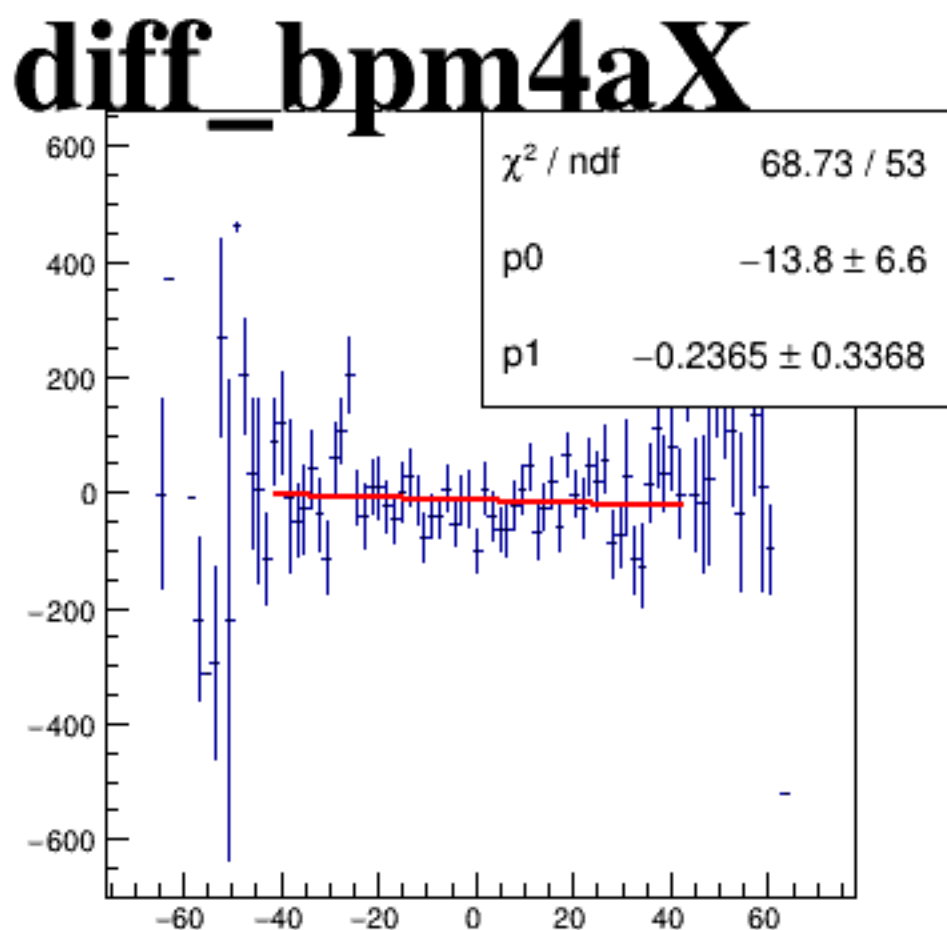
asym_sam5



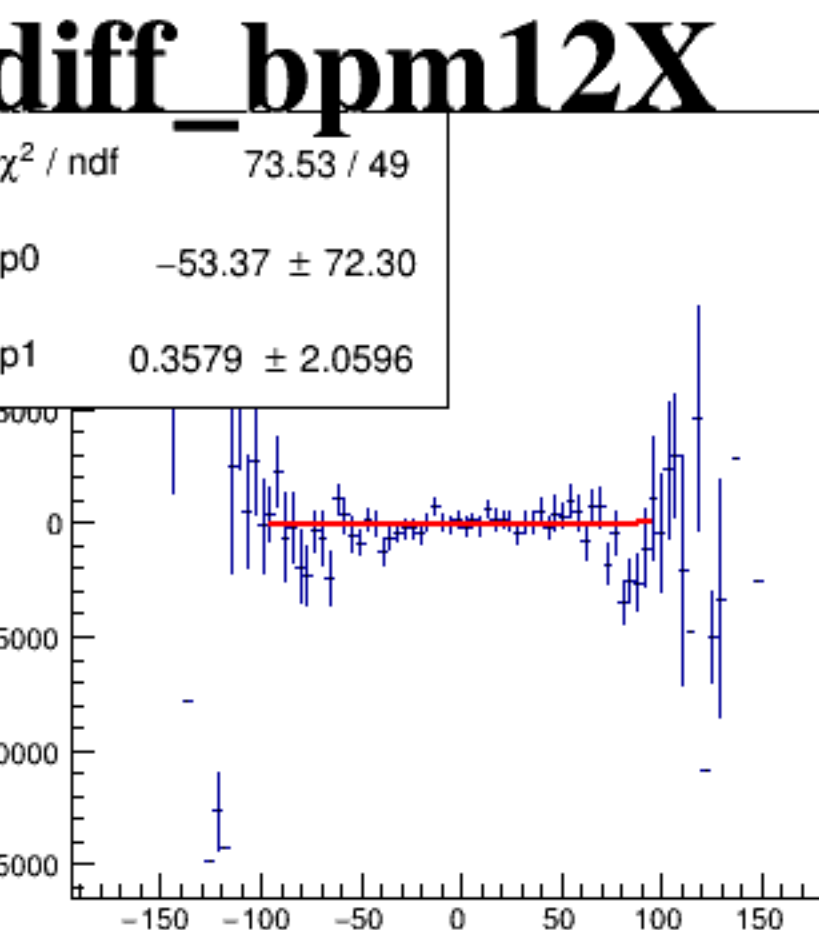
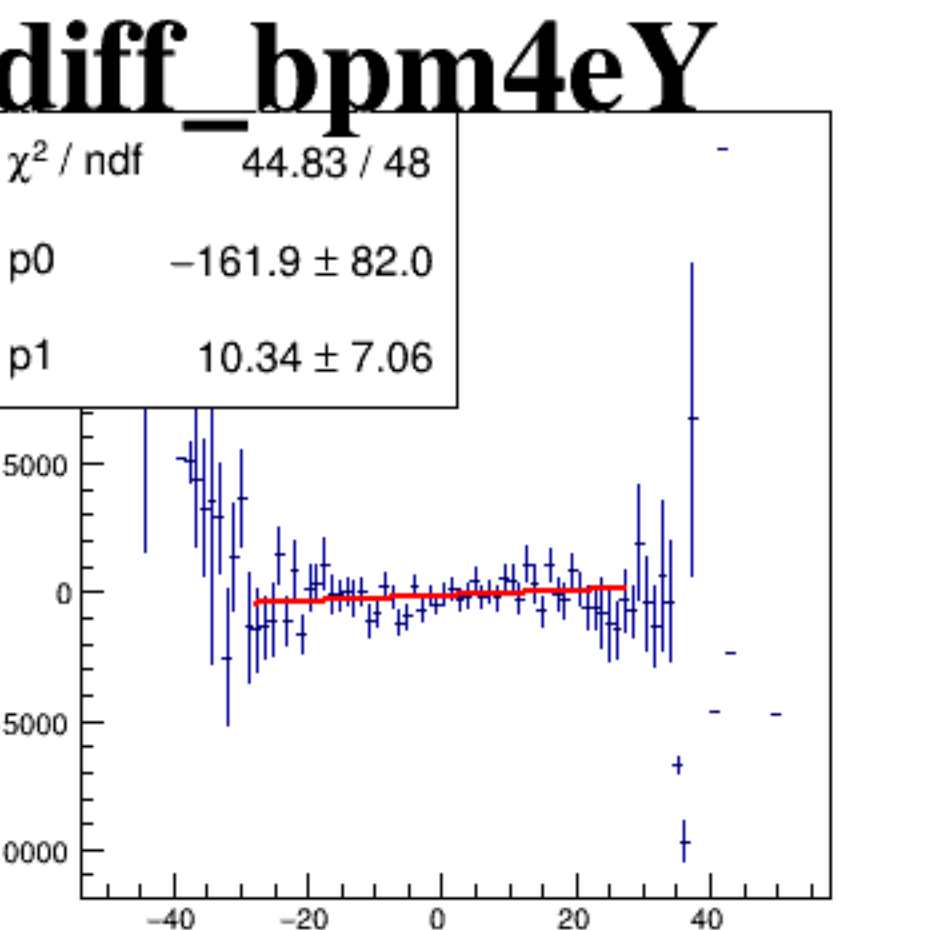
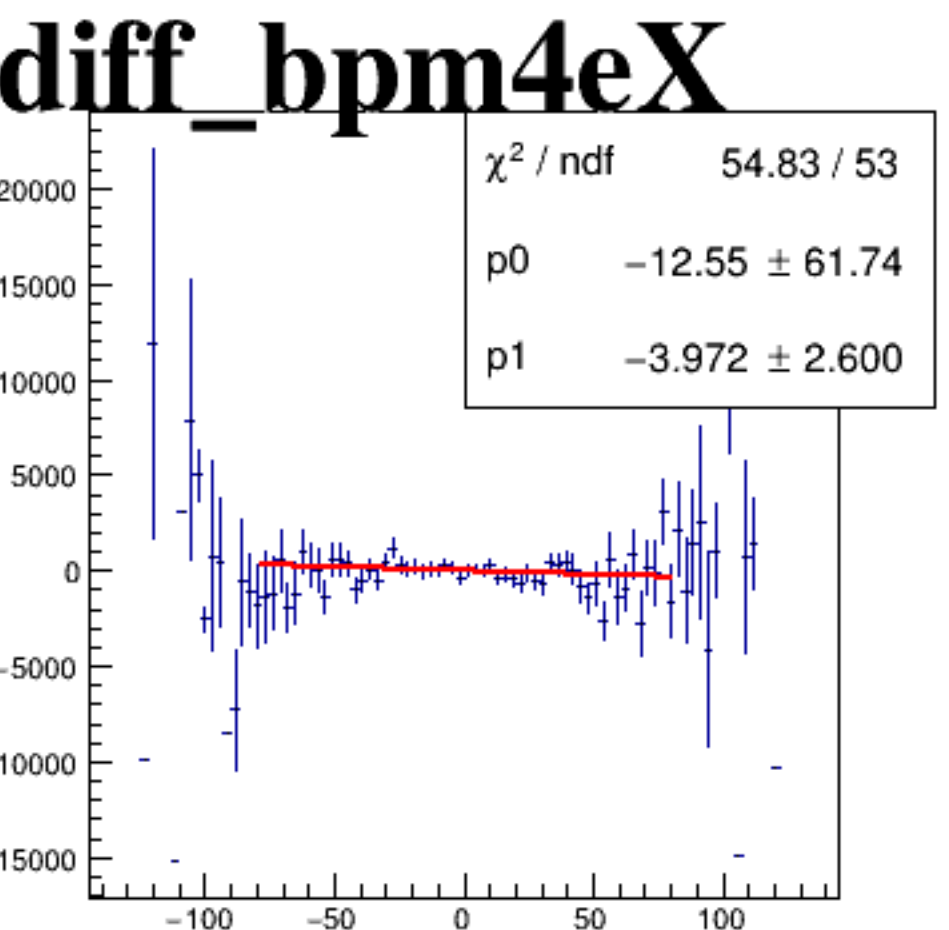
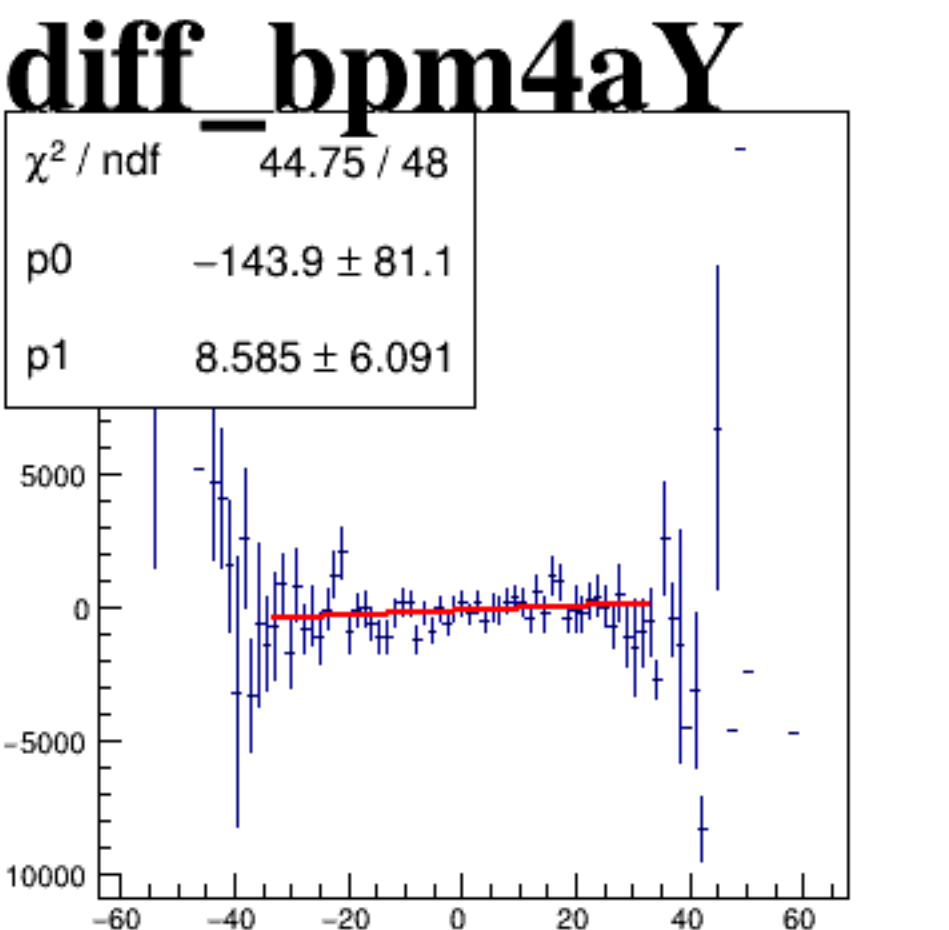
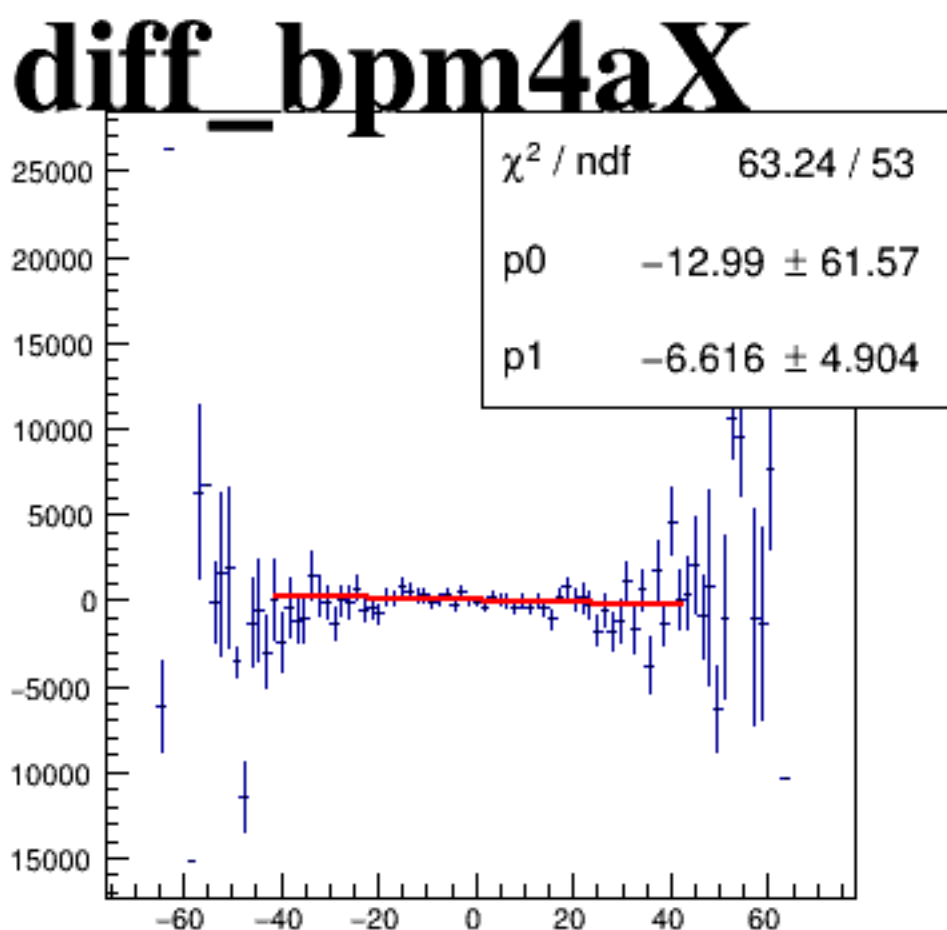
asym_sam7



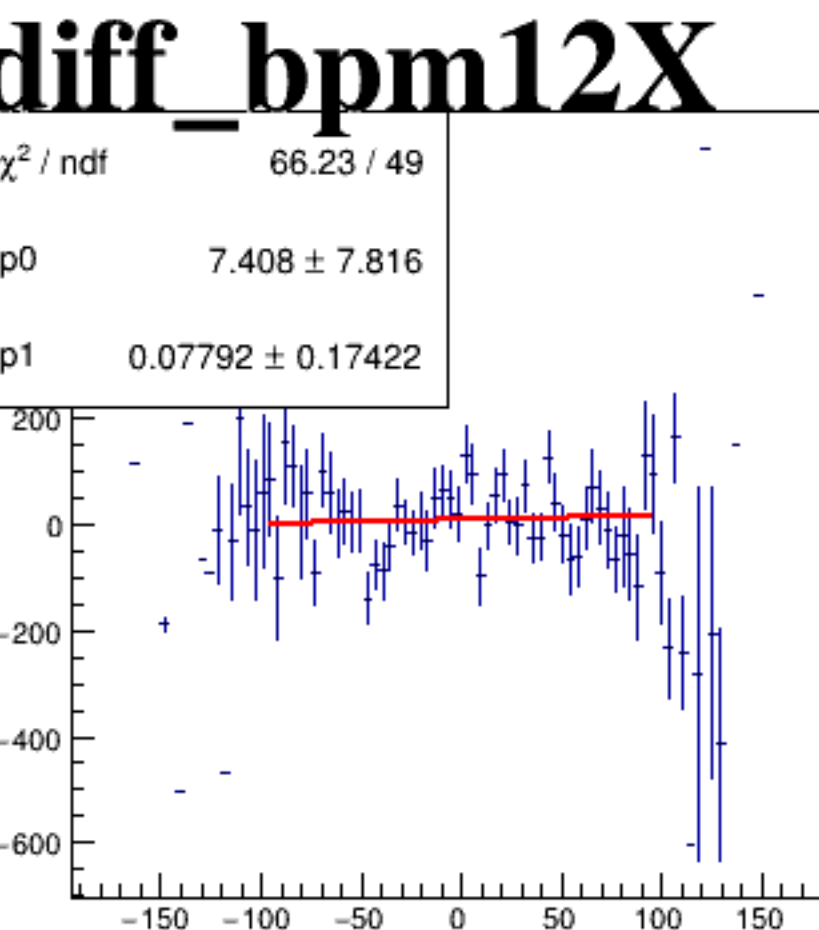
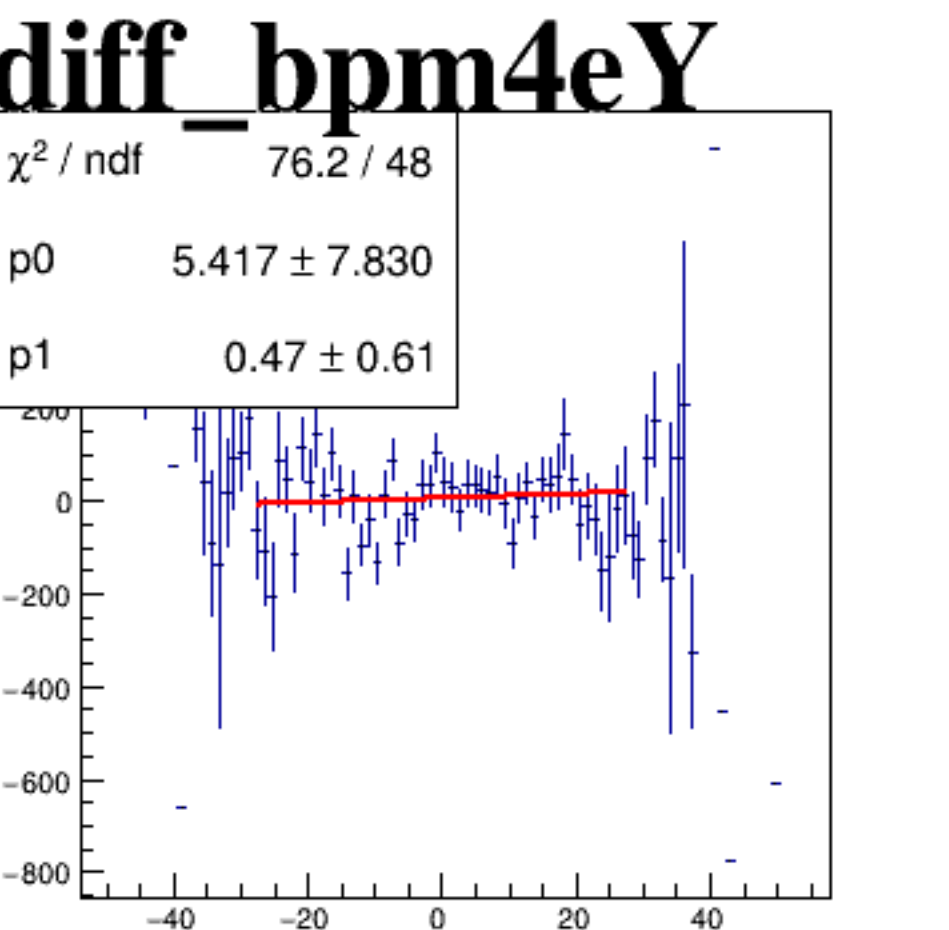
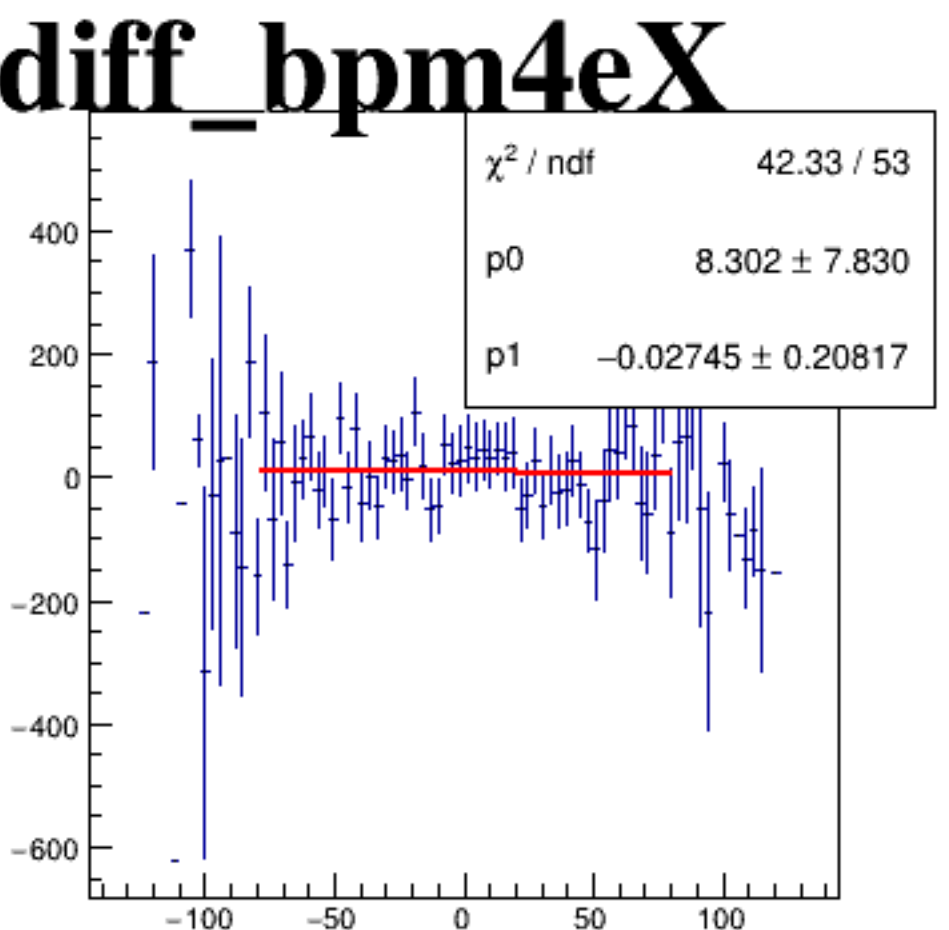
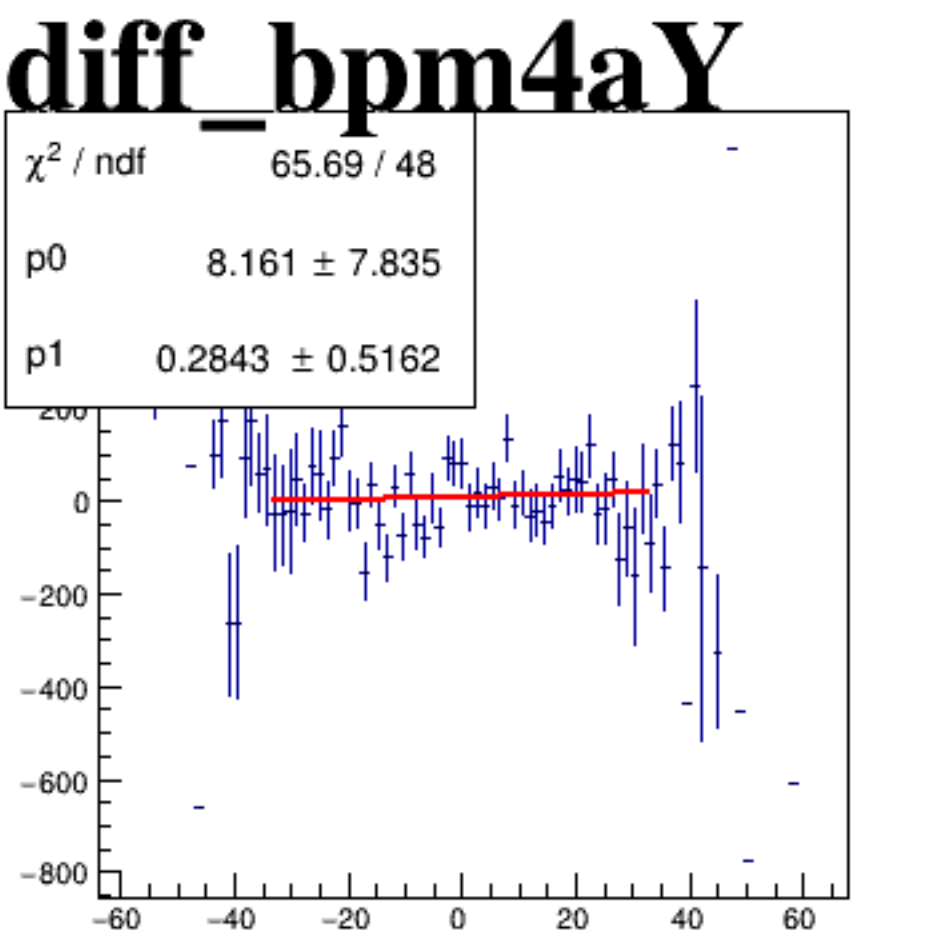
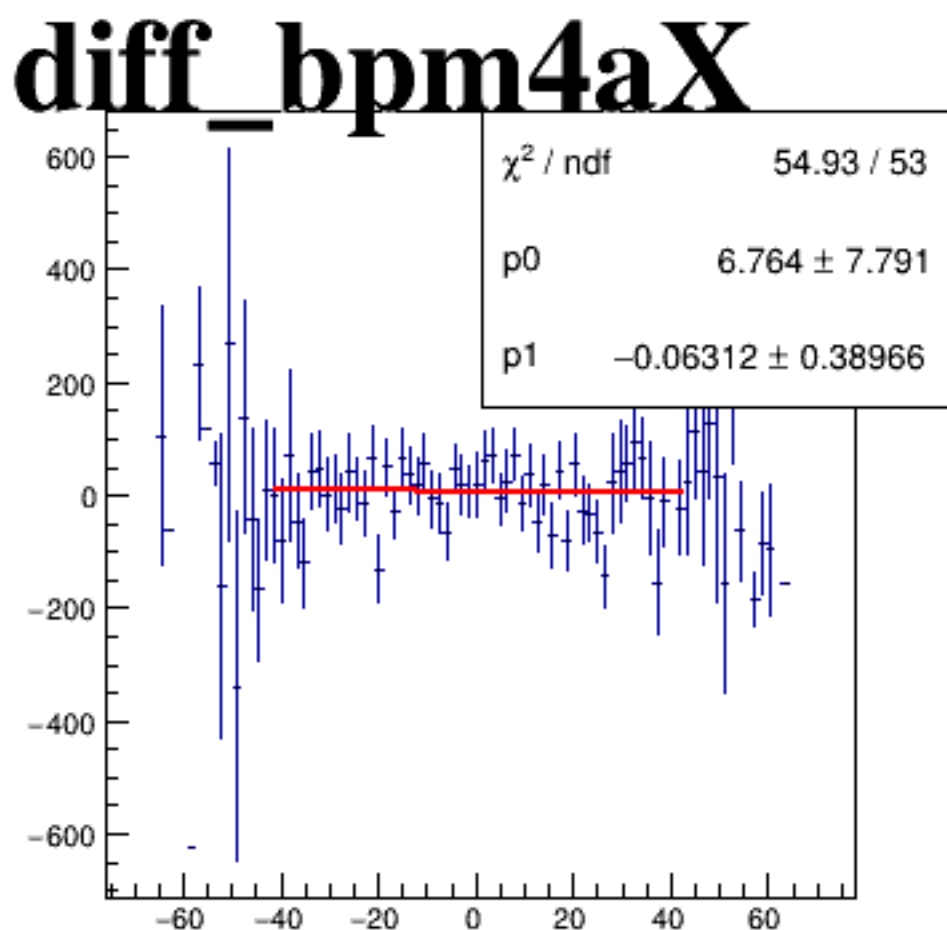
cor_sam1



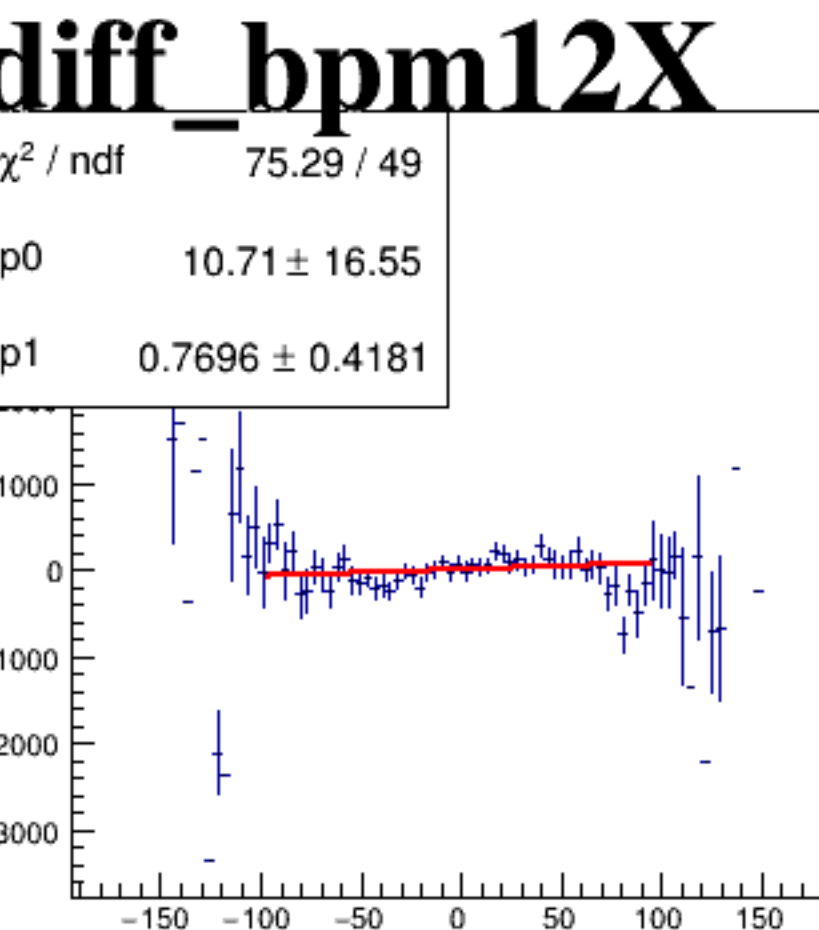
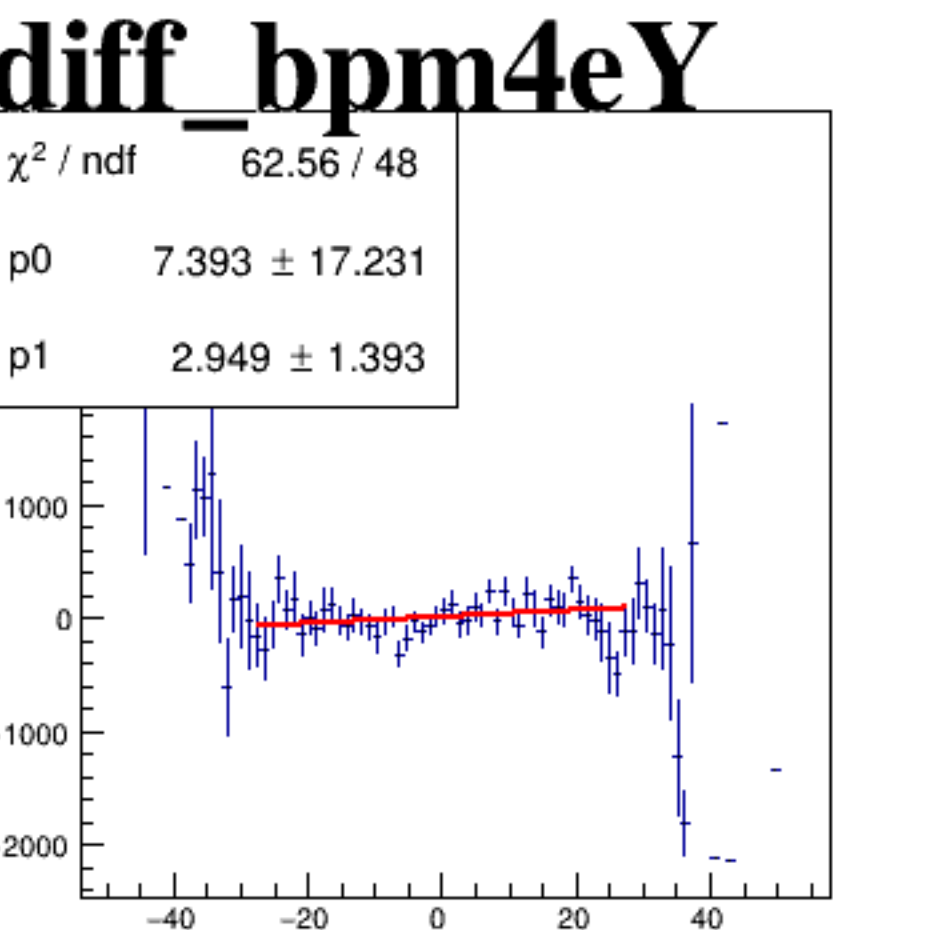
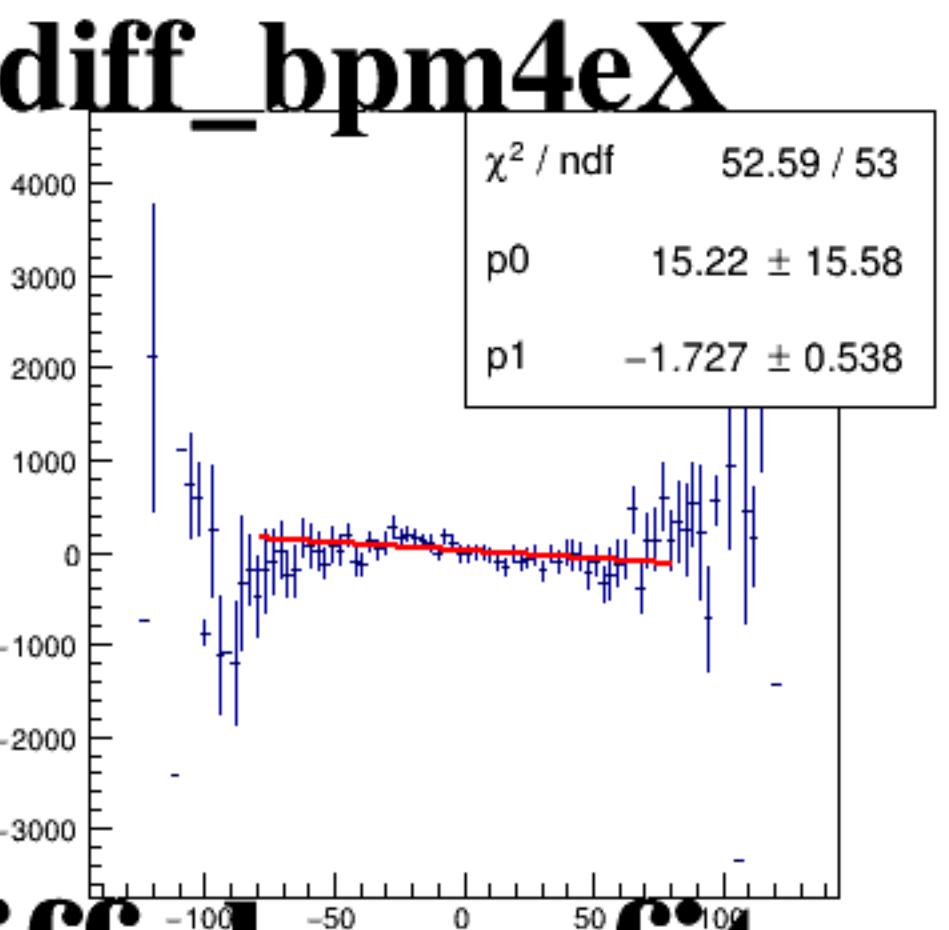
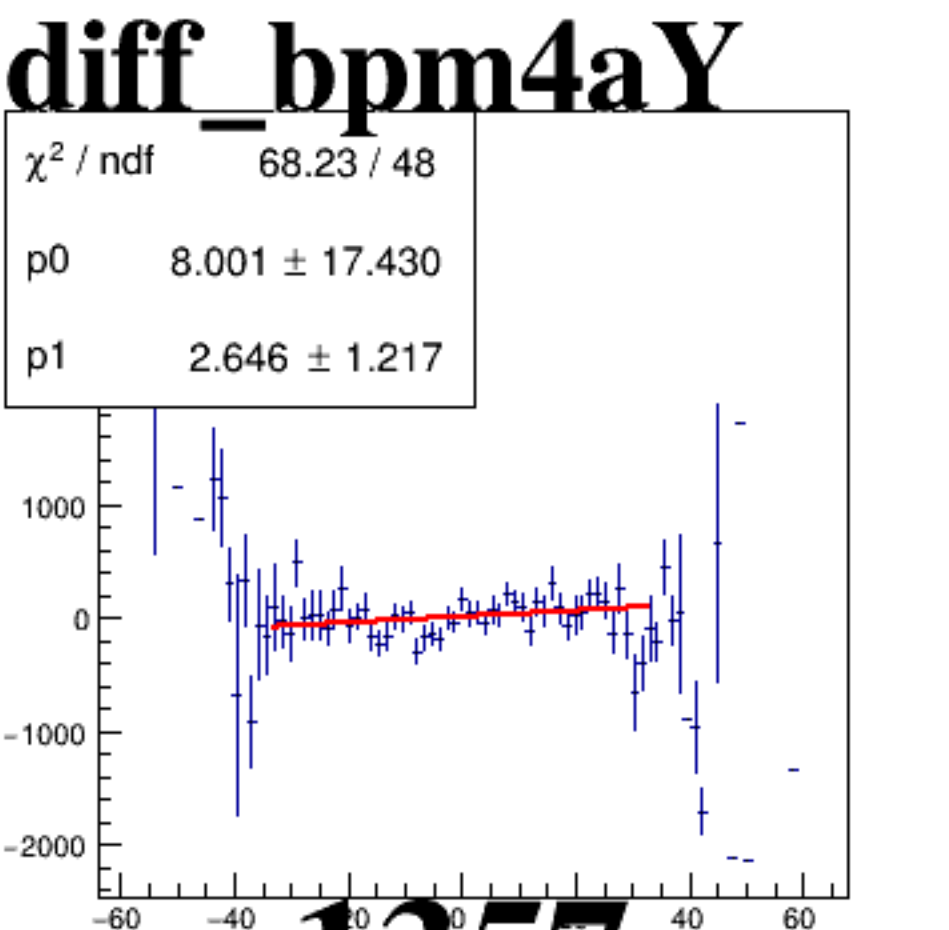
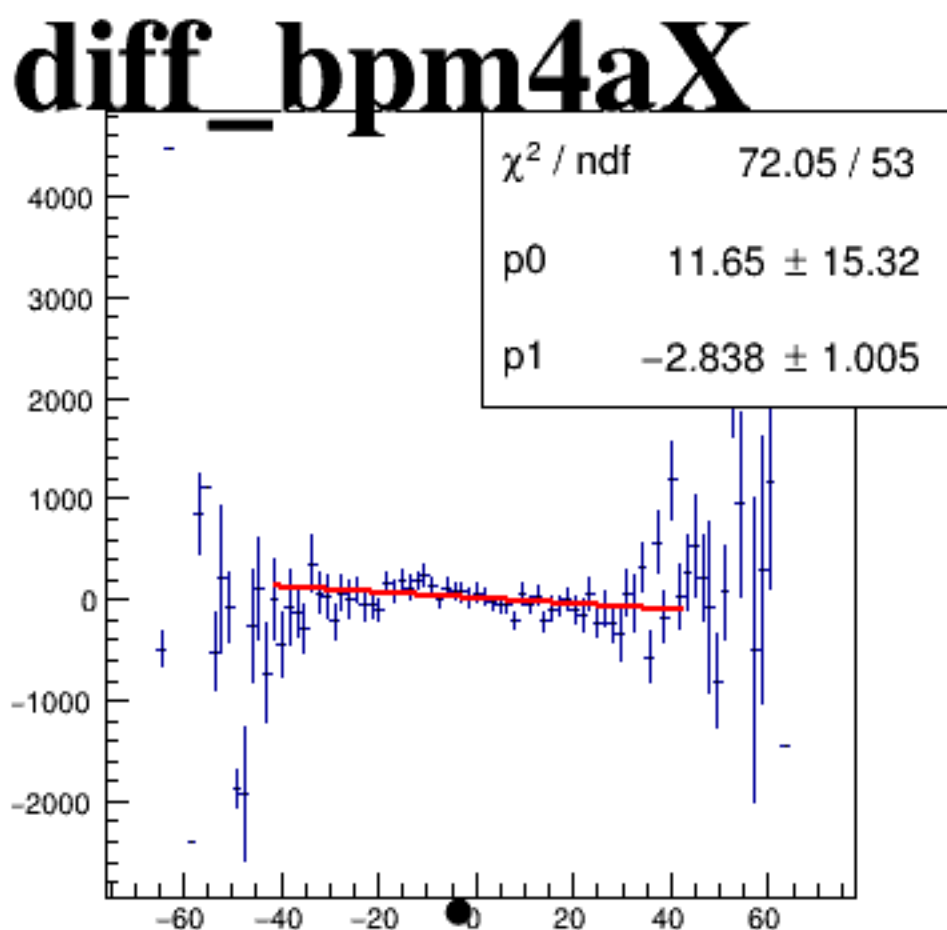
cor_sam3



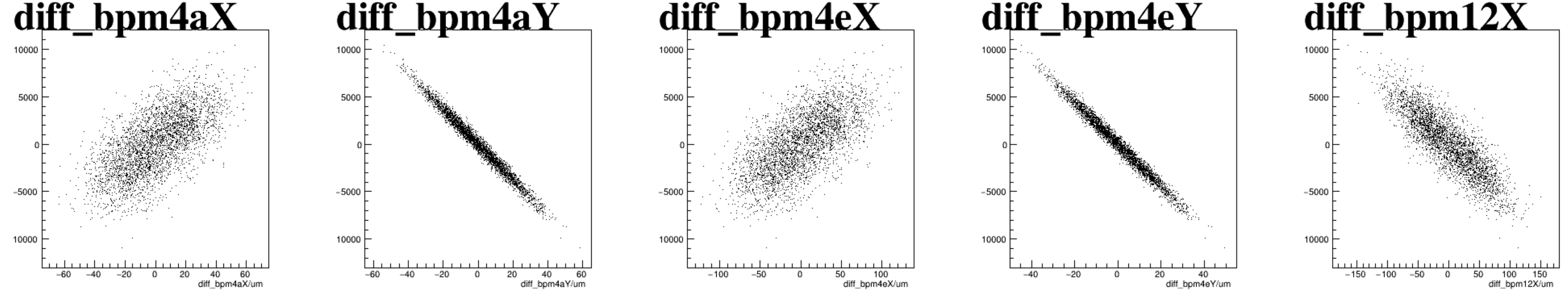
cor_sam5



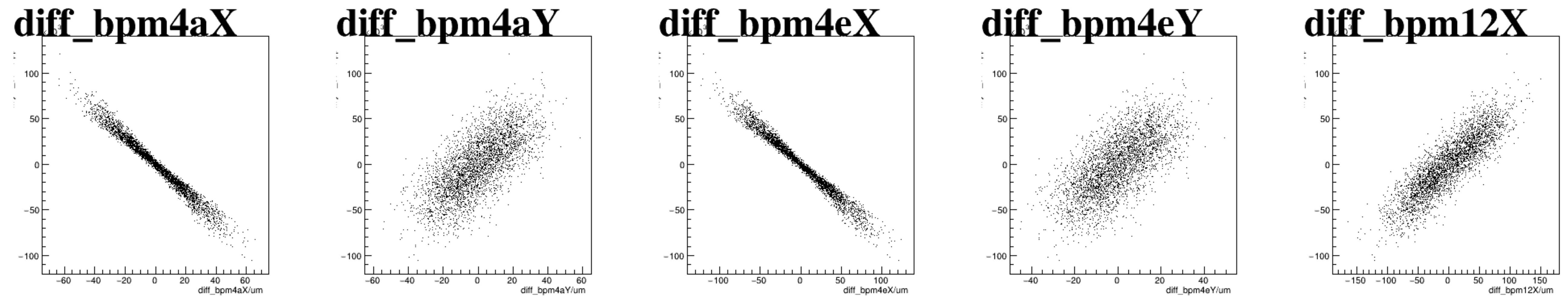
cor_sam7



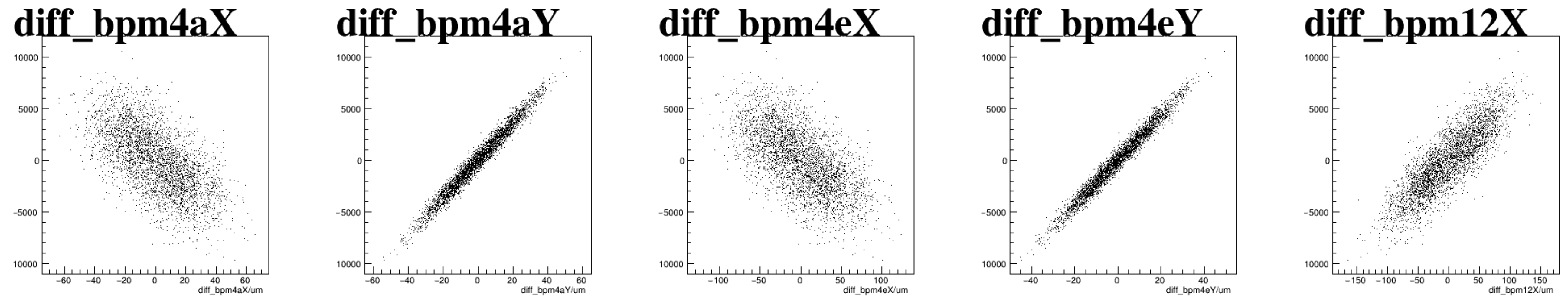
asym_sam1



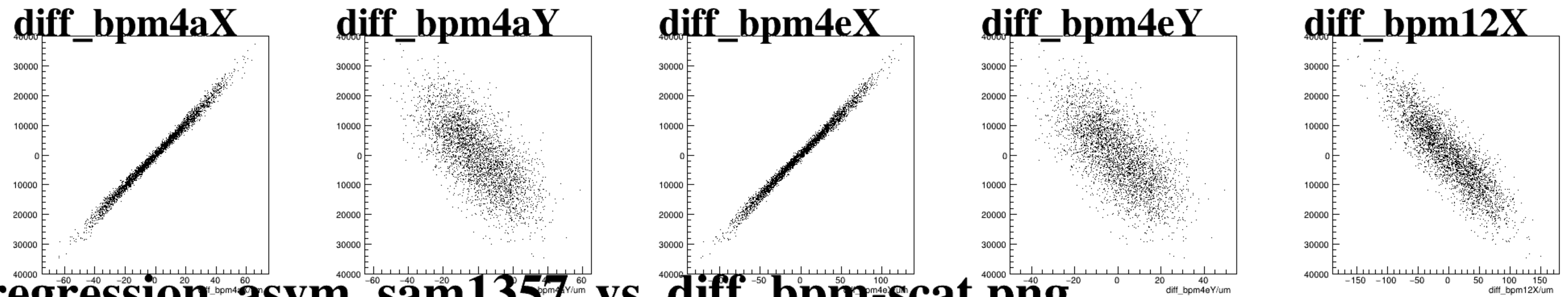
asym_sam3



asym_sam5



asym_sam7



The figure consists of five scatter plots arranged horizontally, each showing the difference in BPM (diff_bpm) versus the difference in position (diff_um) for a specific BPM. The plots are titled as follows:

- diff_bpm4aX**: The x-axis is labeled "diff_bpm4aX/um" and ranges from -60 to 60. The y-axis is labeled "diff_bpm4aX/um" and ranges from -1500 to 1500.
- diff_bpm4aY**: The x-axis is labeled "diff_bpm4aY/um" and ranges from -60 to 60. The y-axis is labeled "diff_bpm4aY/um" and ranges from -1500 to 1500.
- diff_bpm4eX**: The x-axis is labeled "diff_bpm4eX/um" and ranges from -100 to 100. The y-axis is labeled "diff_bpm4eX/um" and ranges from -1500 to 1500.
- diff_bpm4eY**: The x-axis is labeled "diff_bpm4eY/um" and ranges from -40 to 40. The y-axis is labeled "diff_bpm4eY/um" and ranges from -1500 to 1500.
- diff_bpm12X**: The x-axis is labeled "diff_bpm12X/um" and ranges from -150 to 150. The y-axis is labeled "diff_bpm12X/um" and ranges from -1500 to 1500.

Each plot shows a dense cloud of points centered around the origin, indicating a strong correlation between the difference in BPM and the difference in position. The points are distributed in a roughly circular pattern, with the density of points being highest near the center and decreasing as the distance from the origin increases.