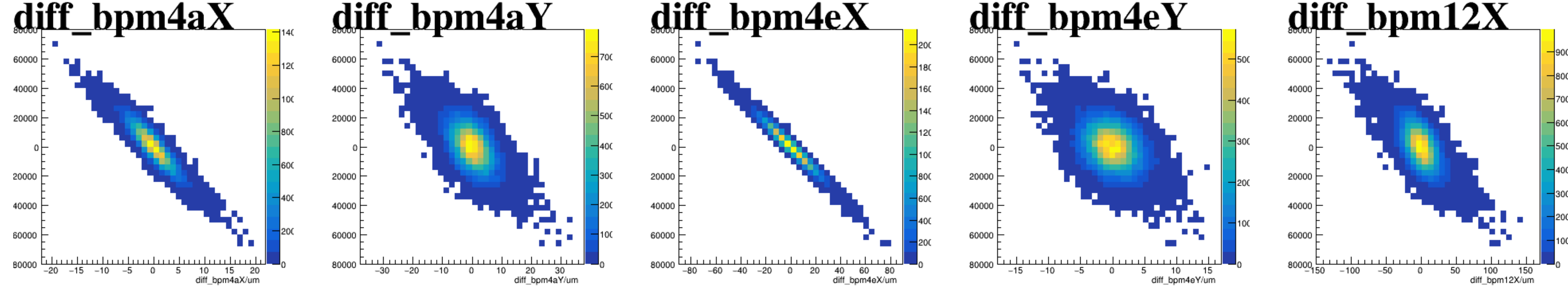
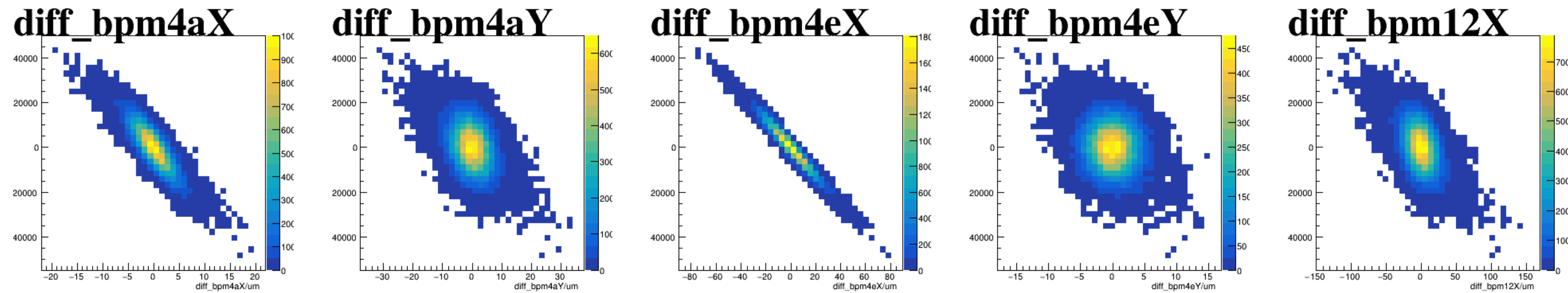


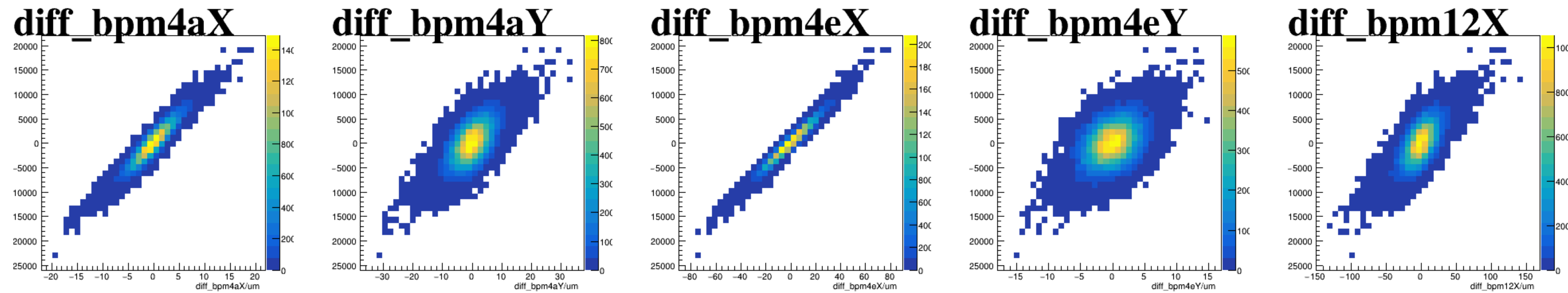
asym_sam2



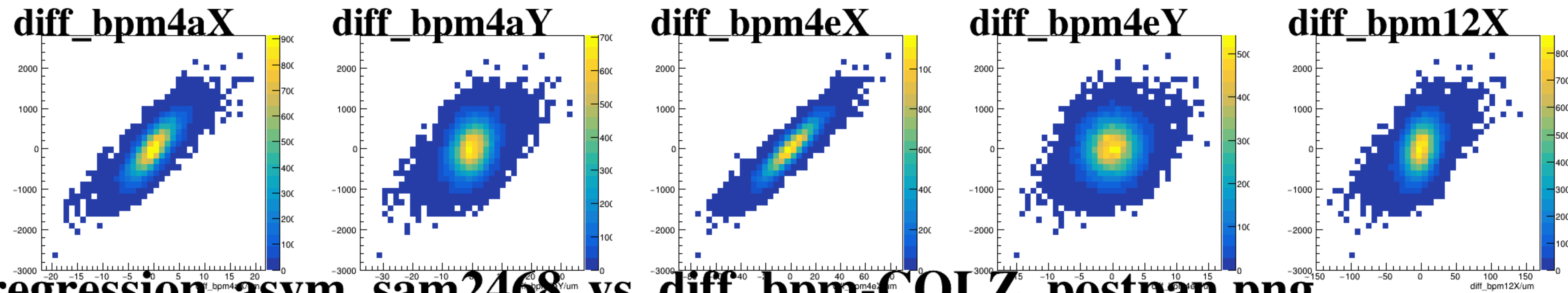
asym_sam4



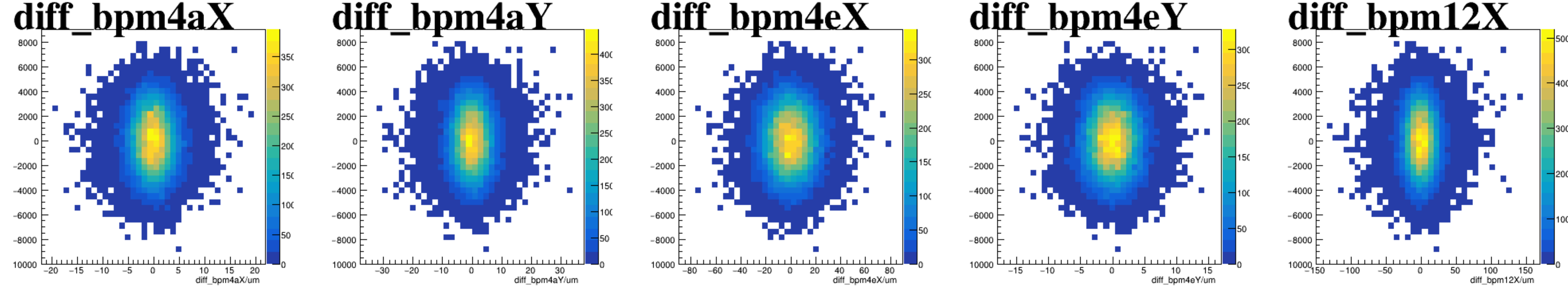
asym_sam6



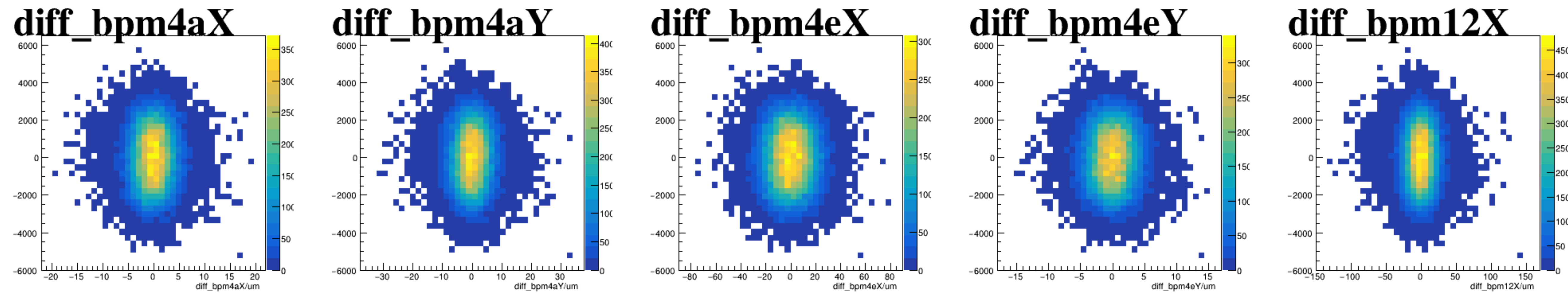
asym_sam8



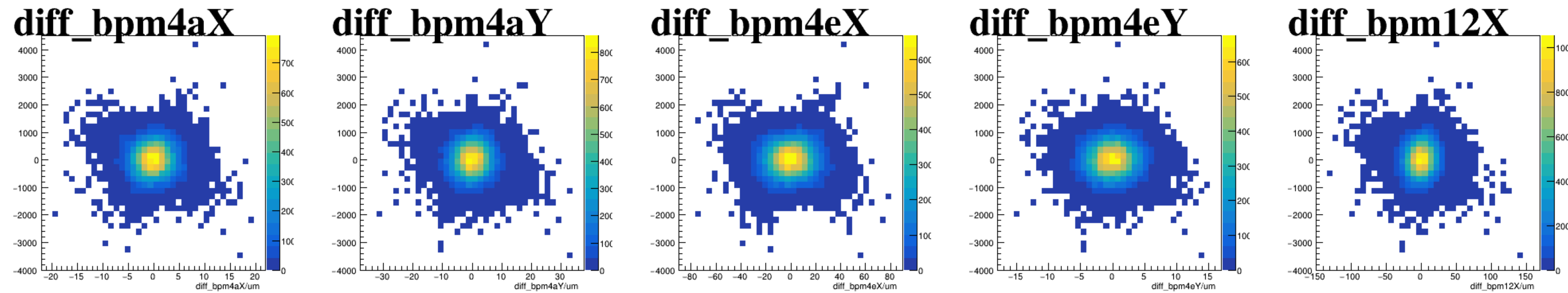
reg_asym_sam2



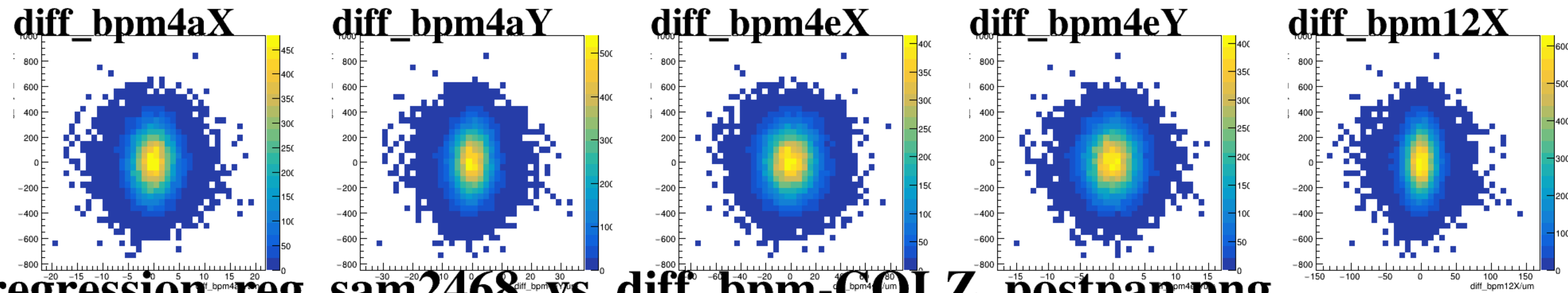
reg_asym_sam4



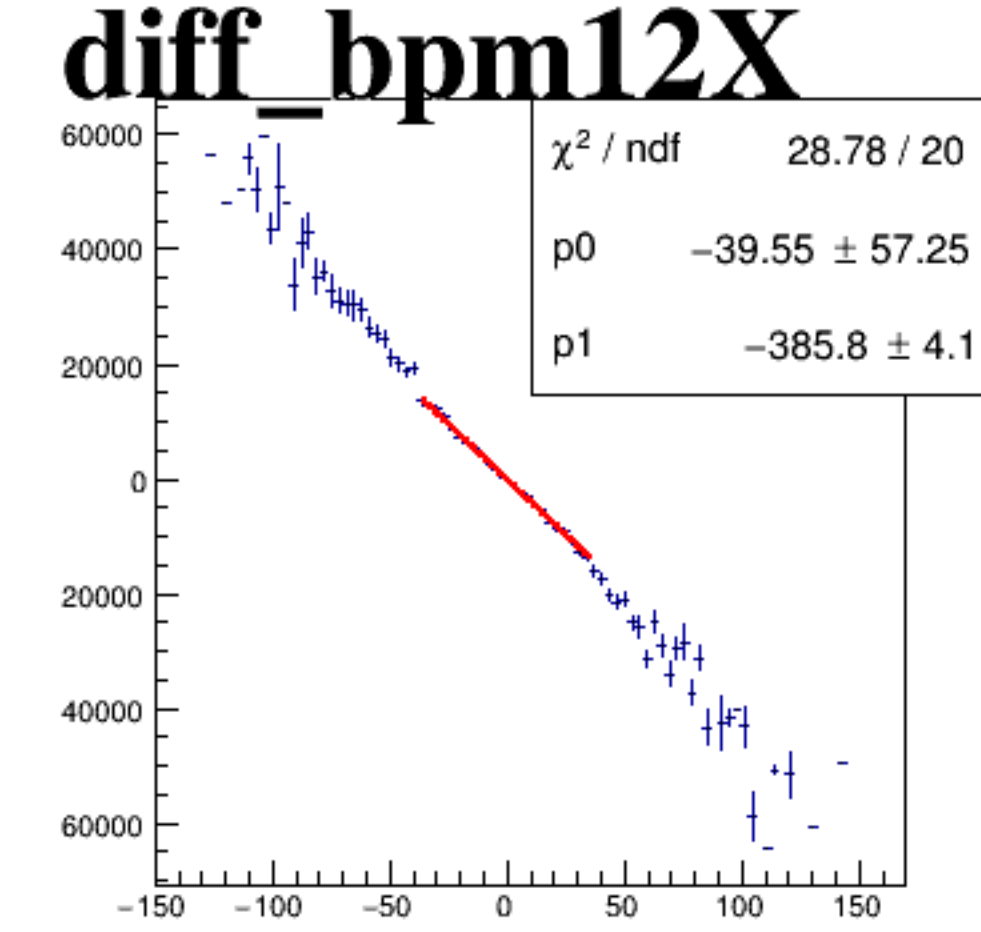
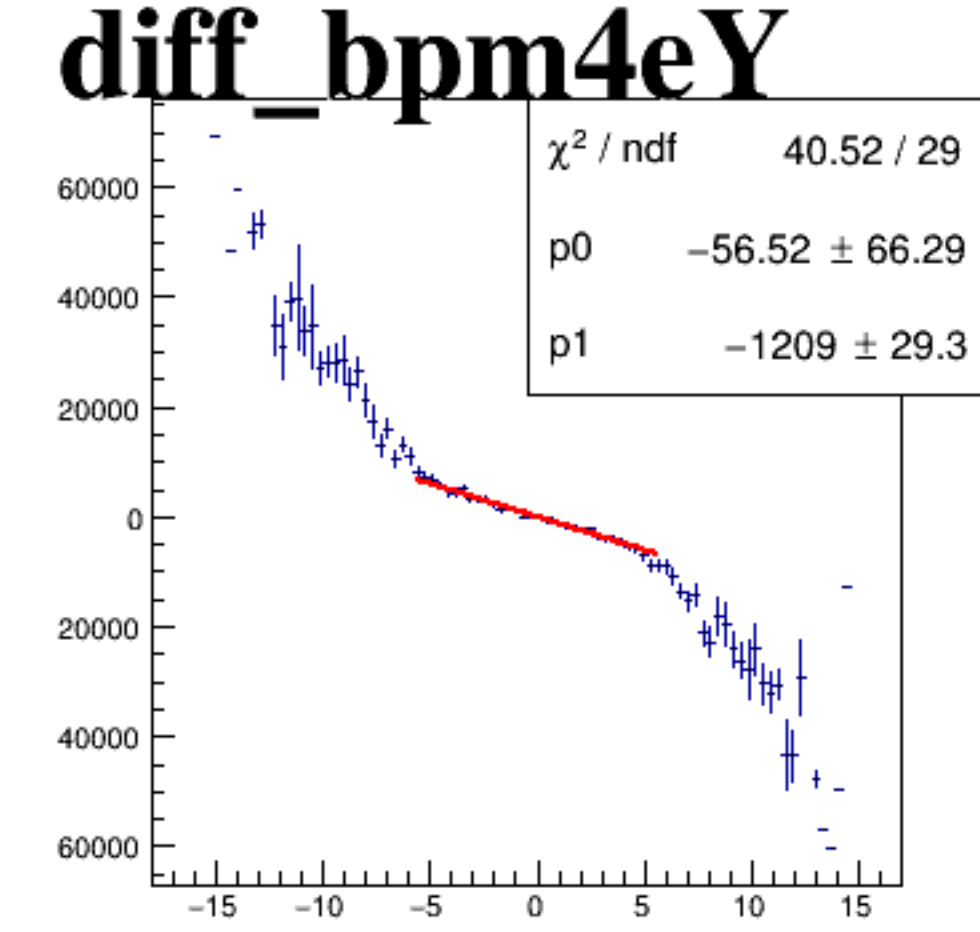
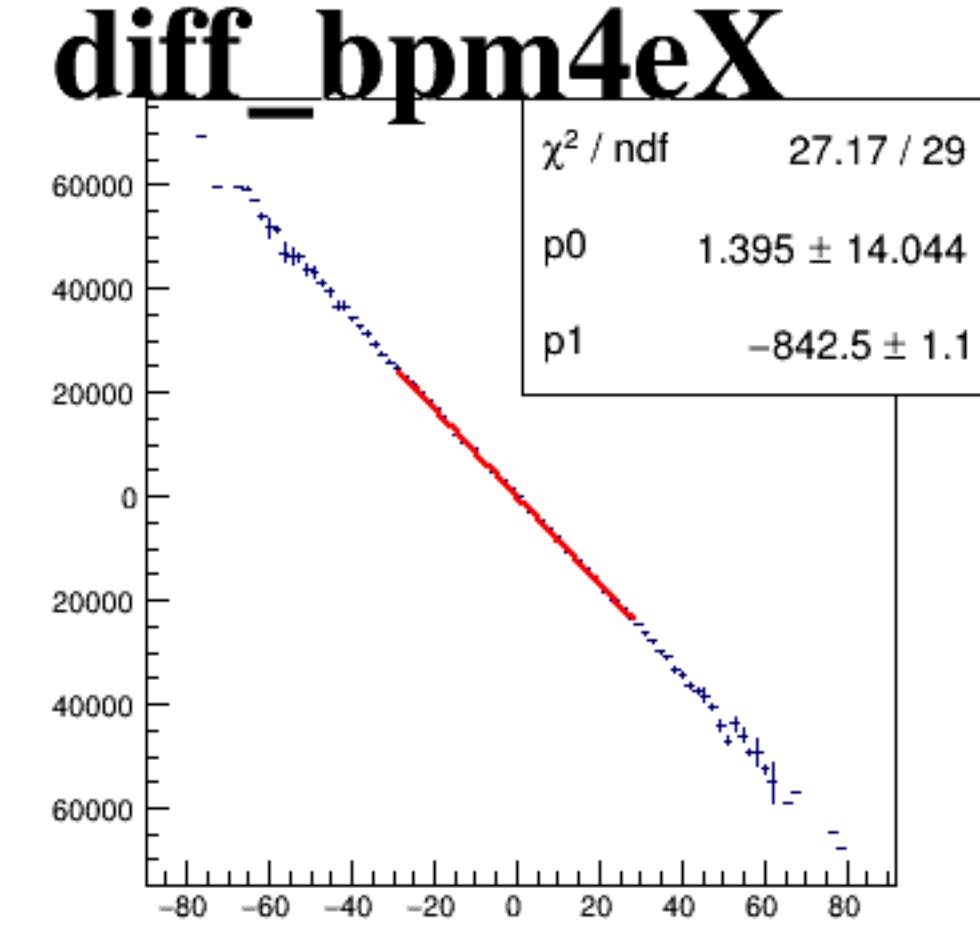
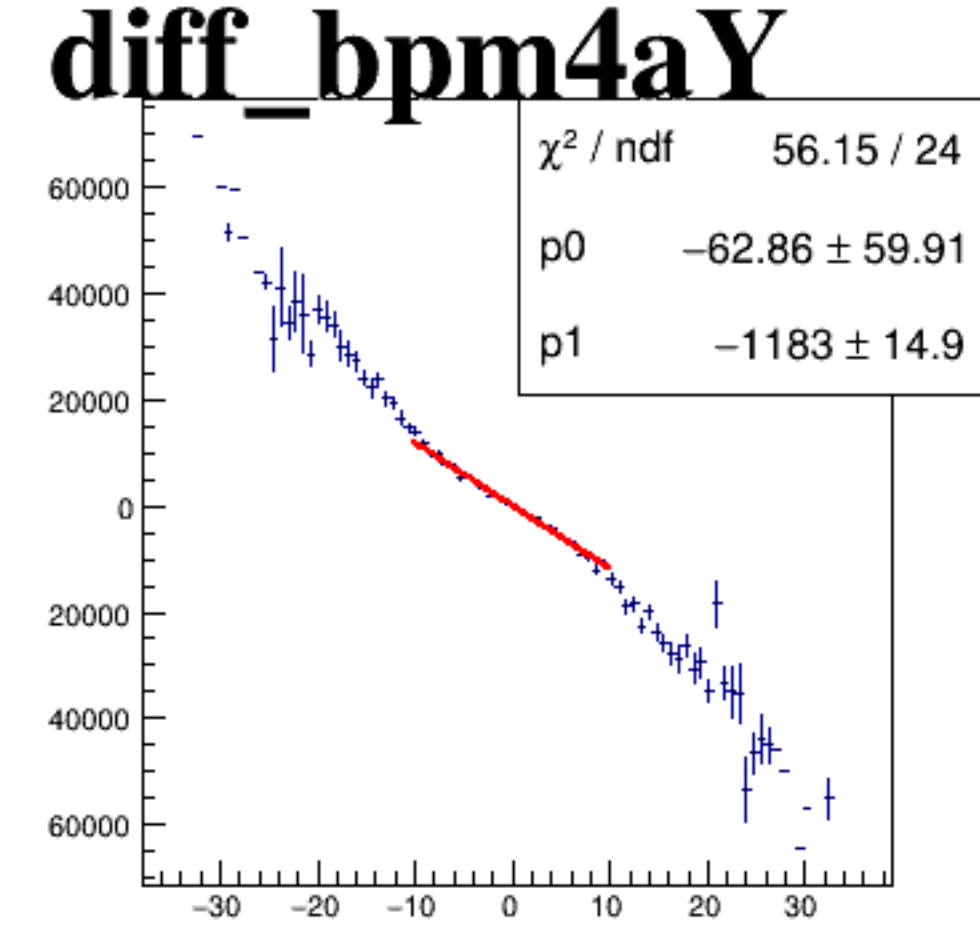
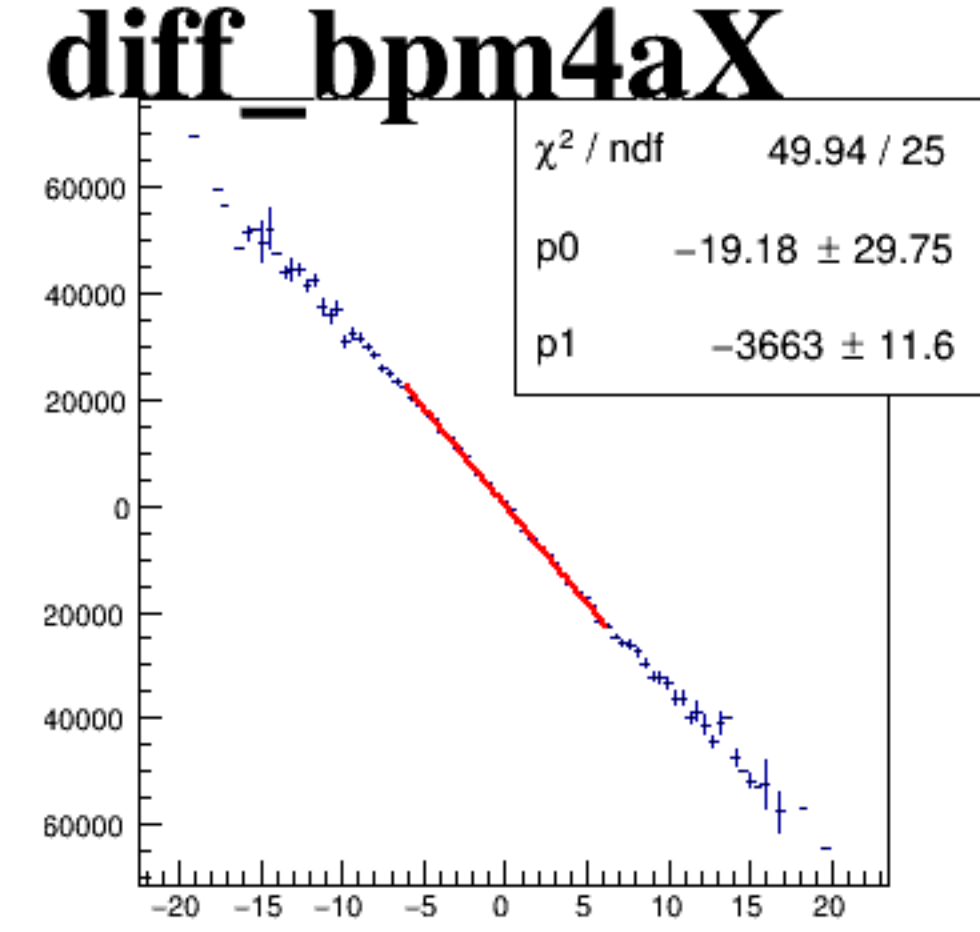
reg_asym_sam6



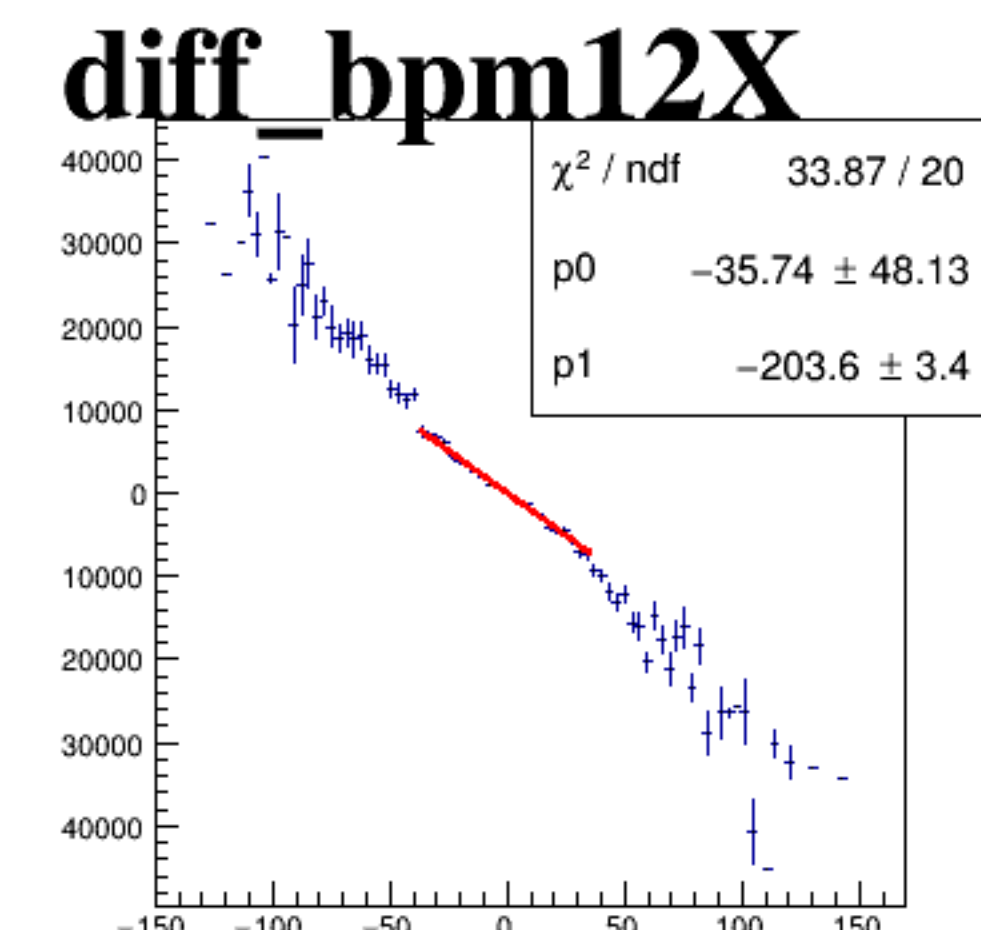
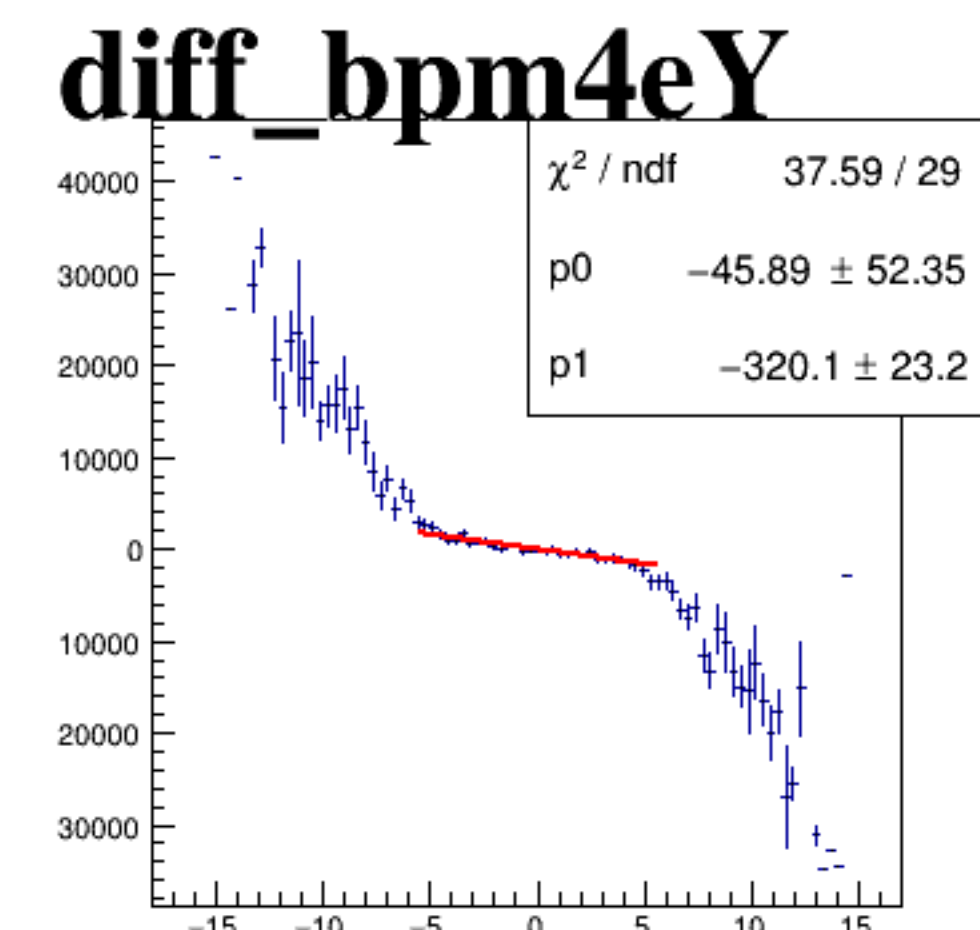
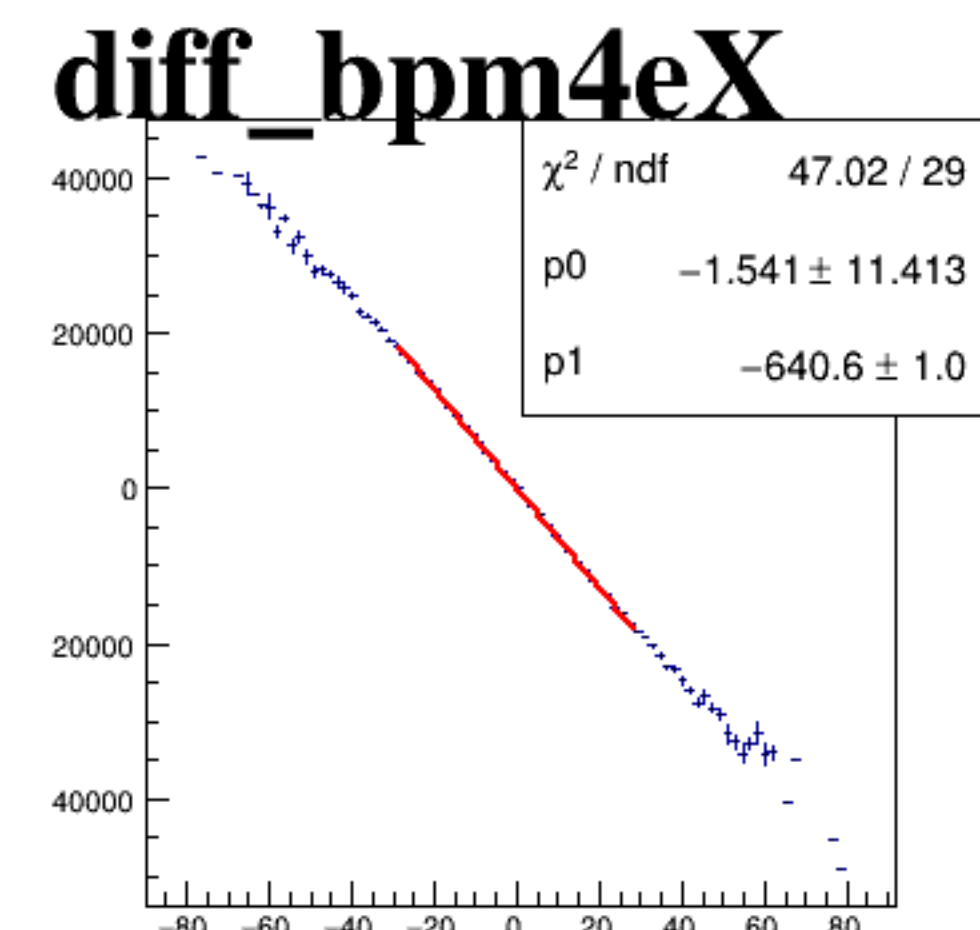
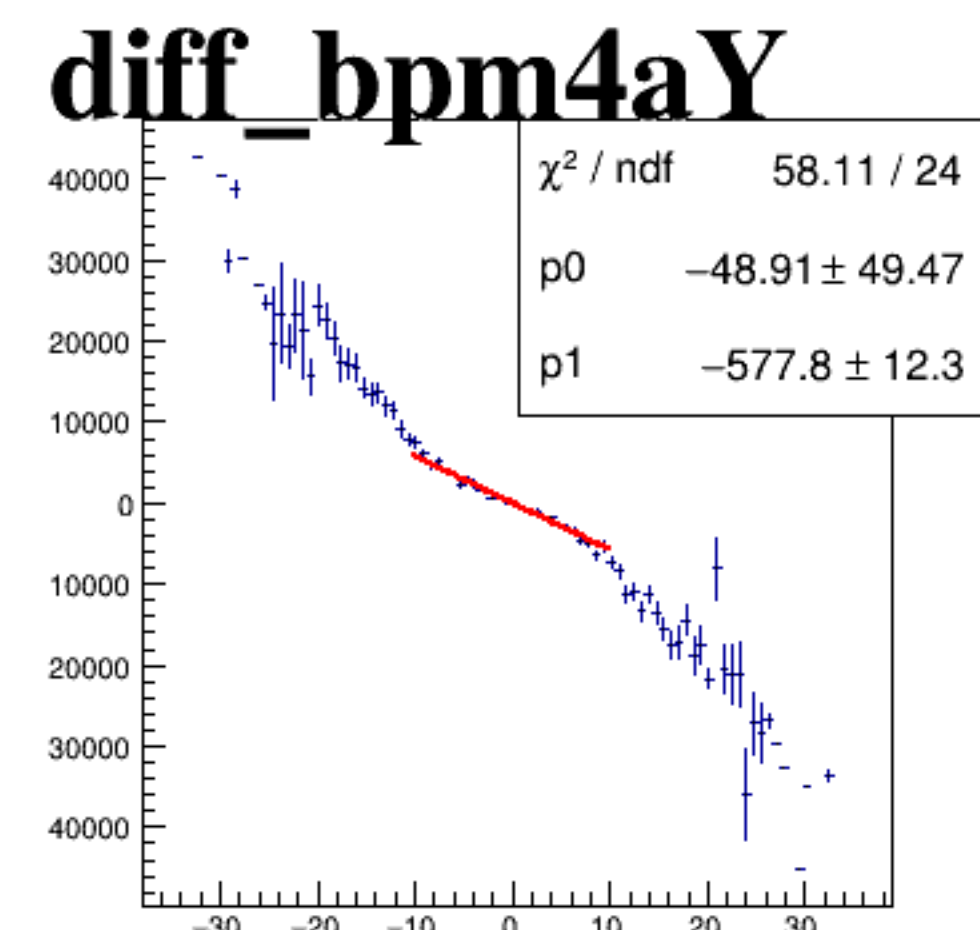
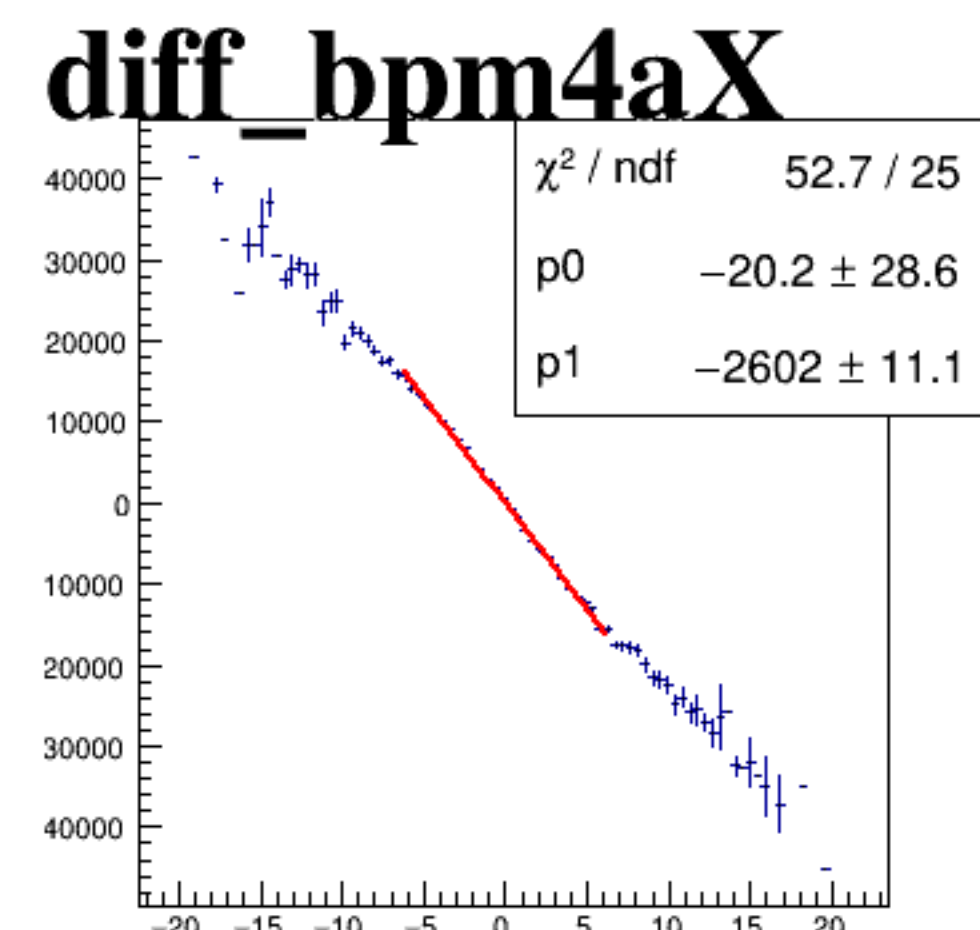
reg_asym_sam8



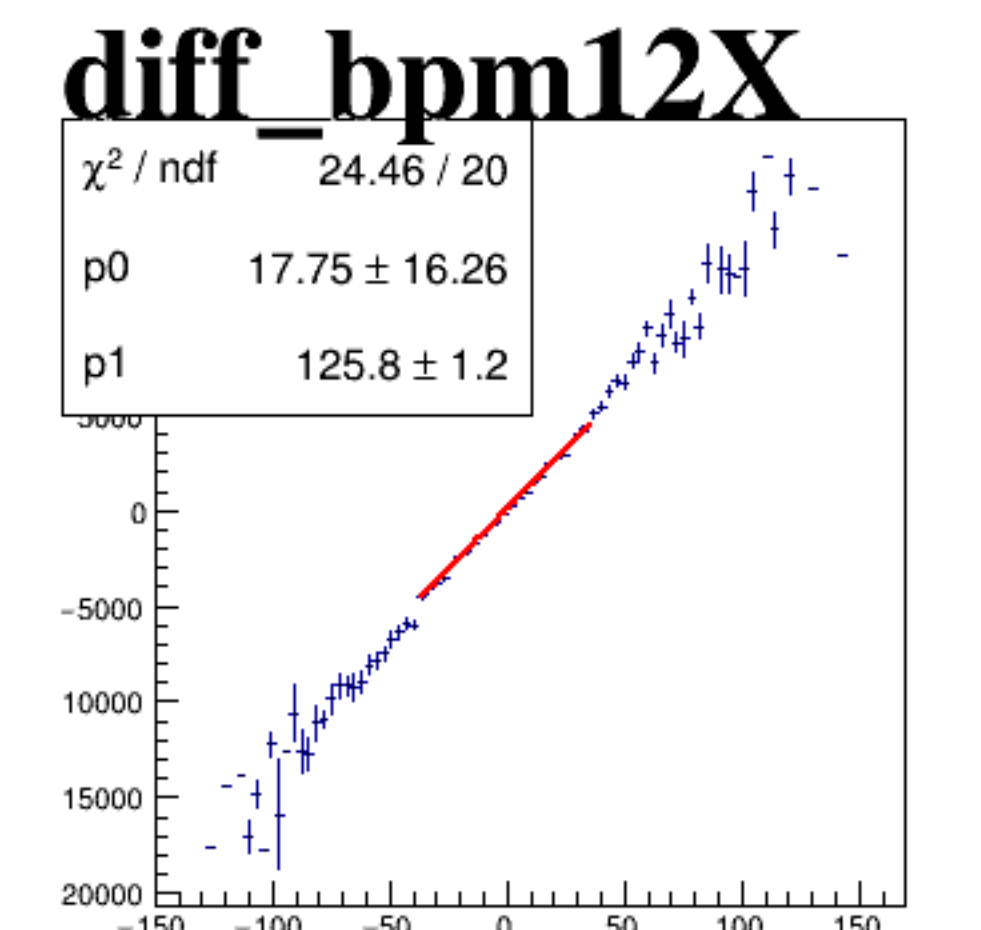
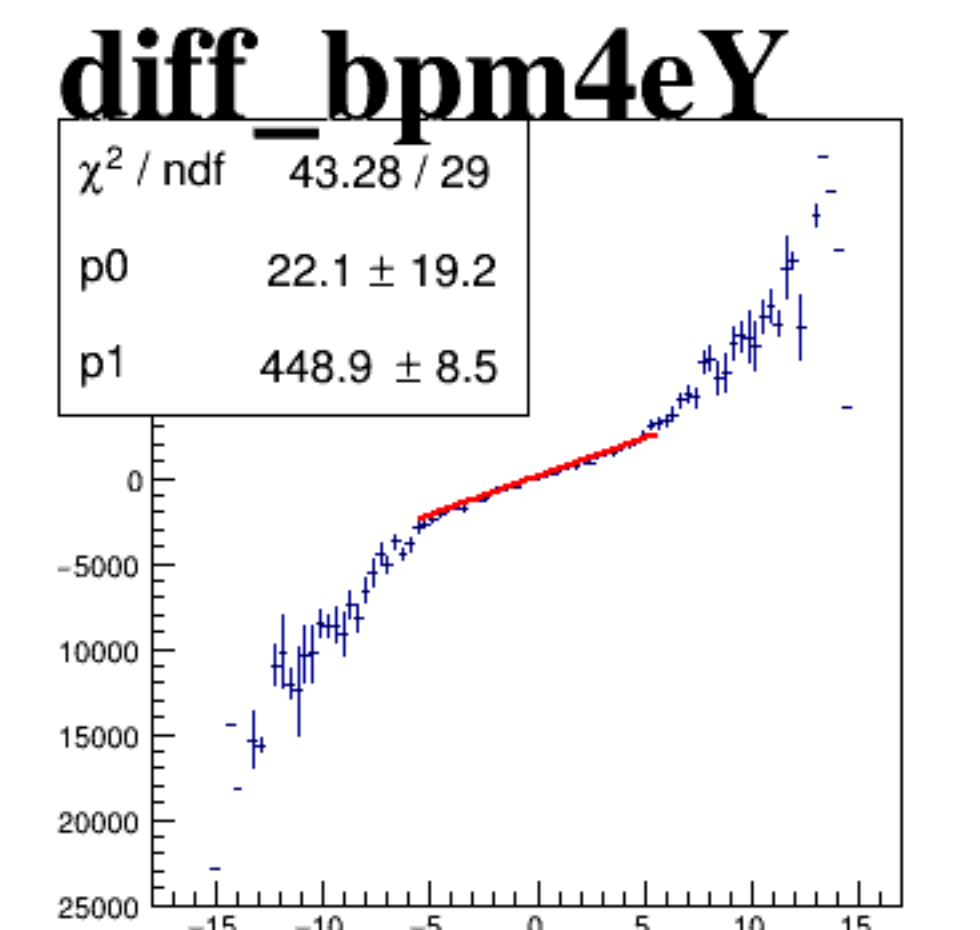
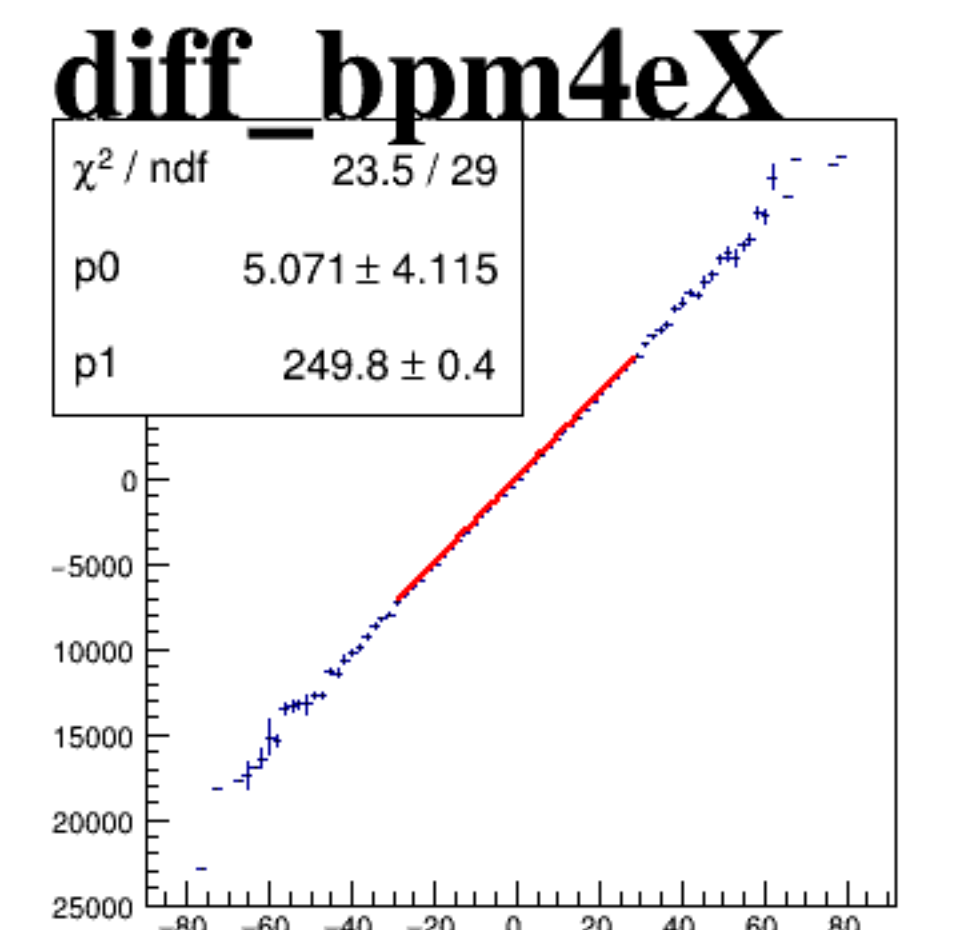
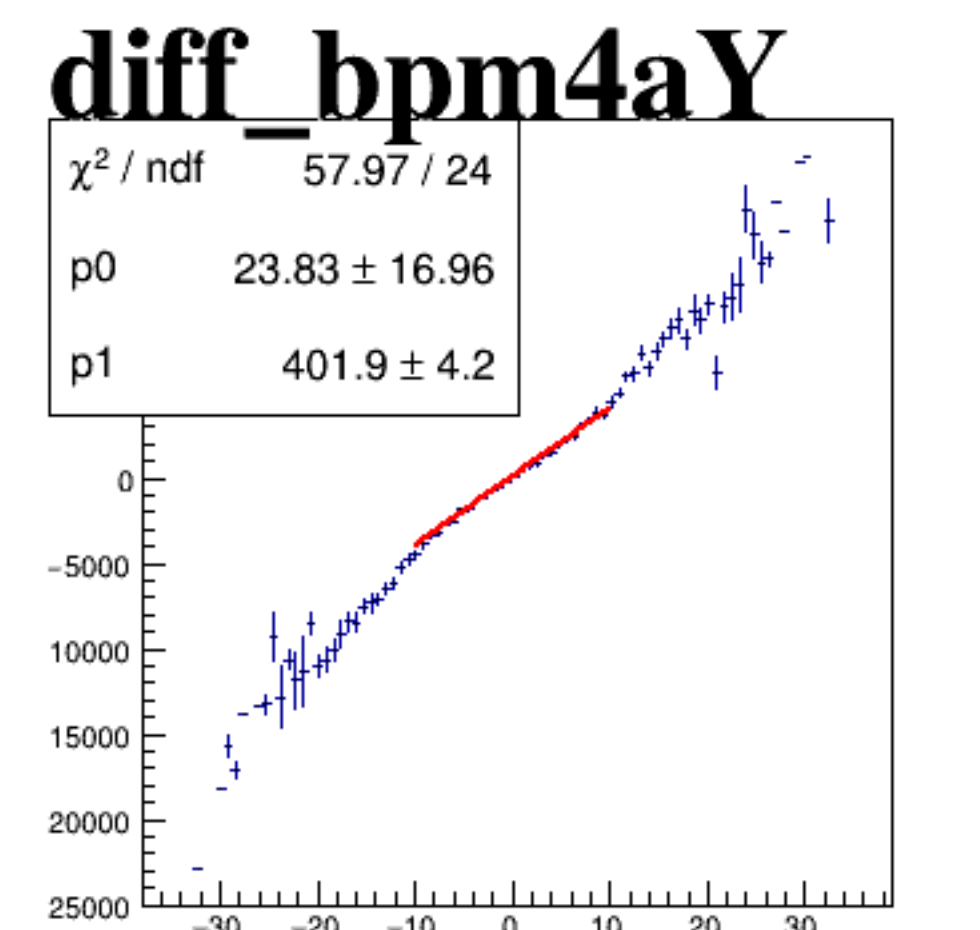
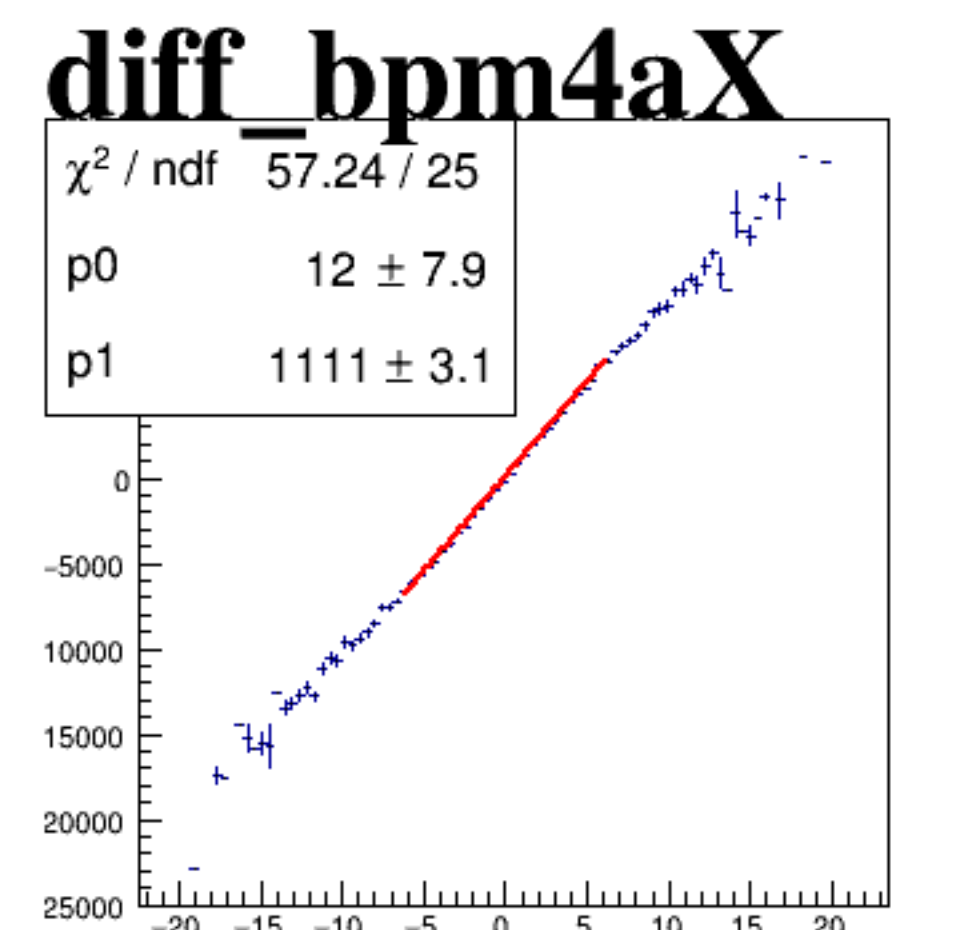
asym_sam2



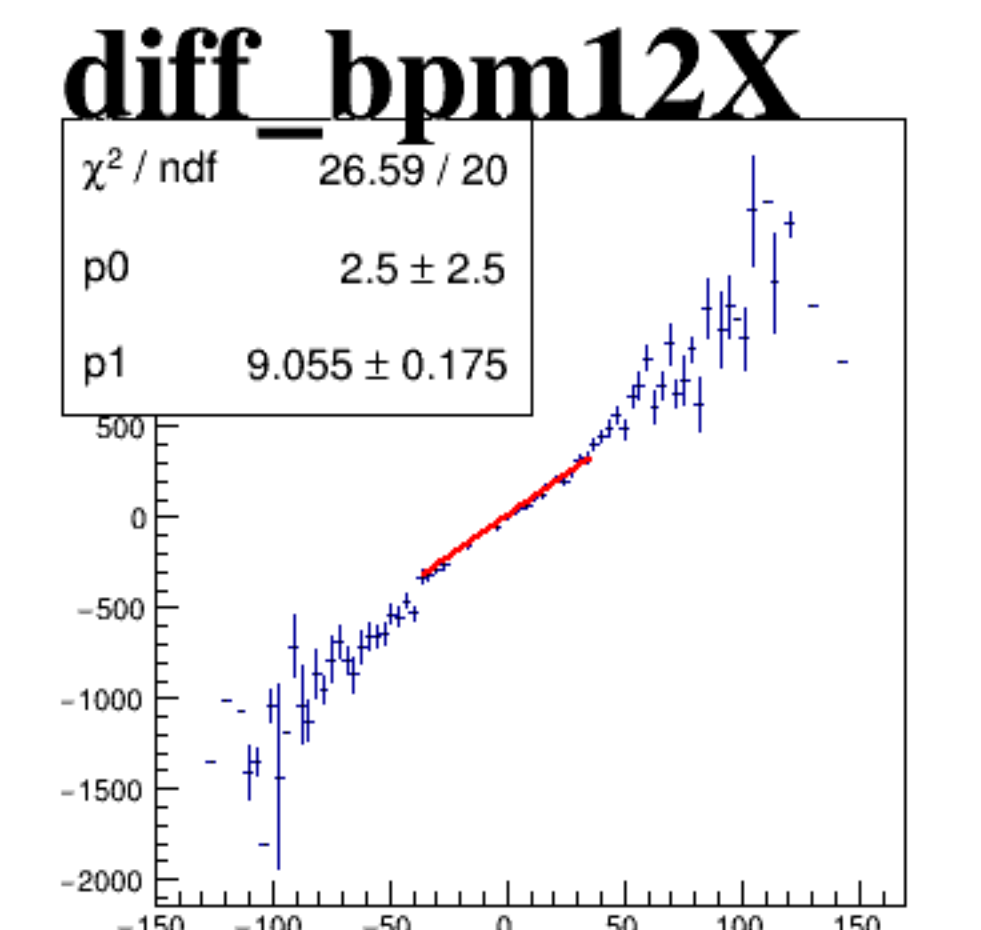
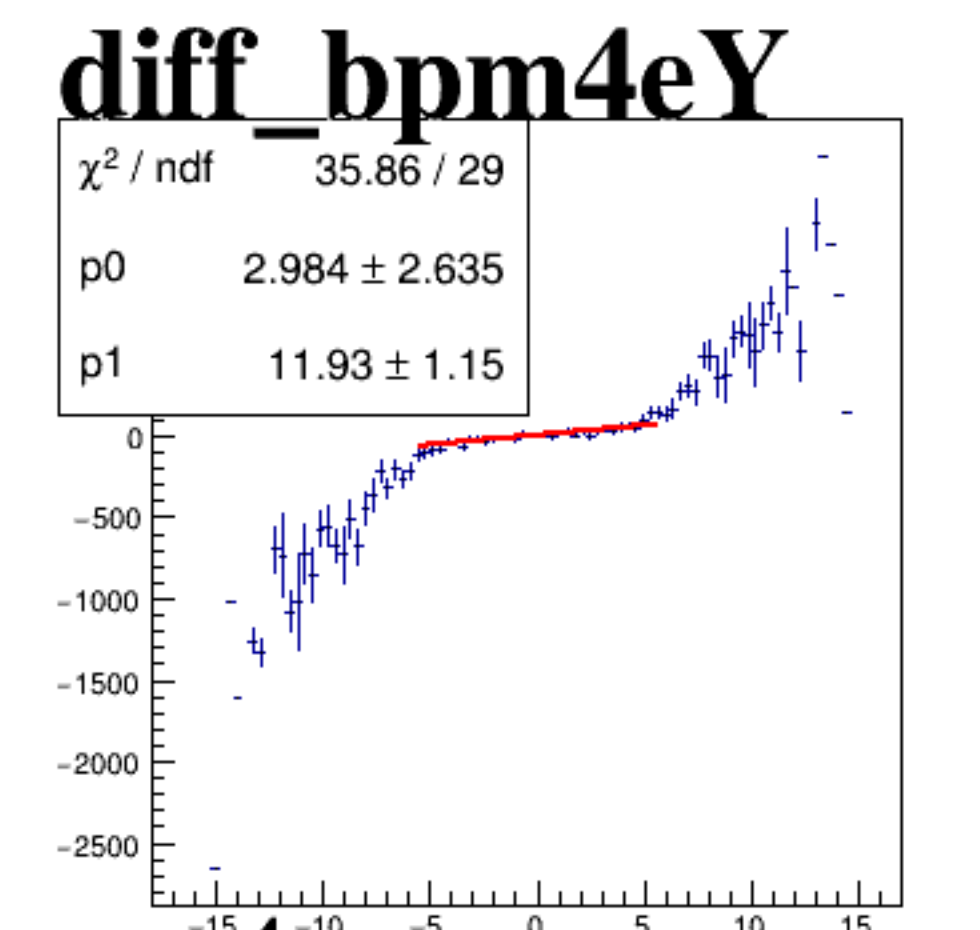
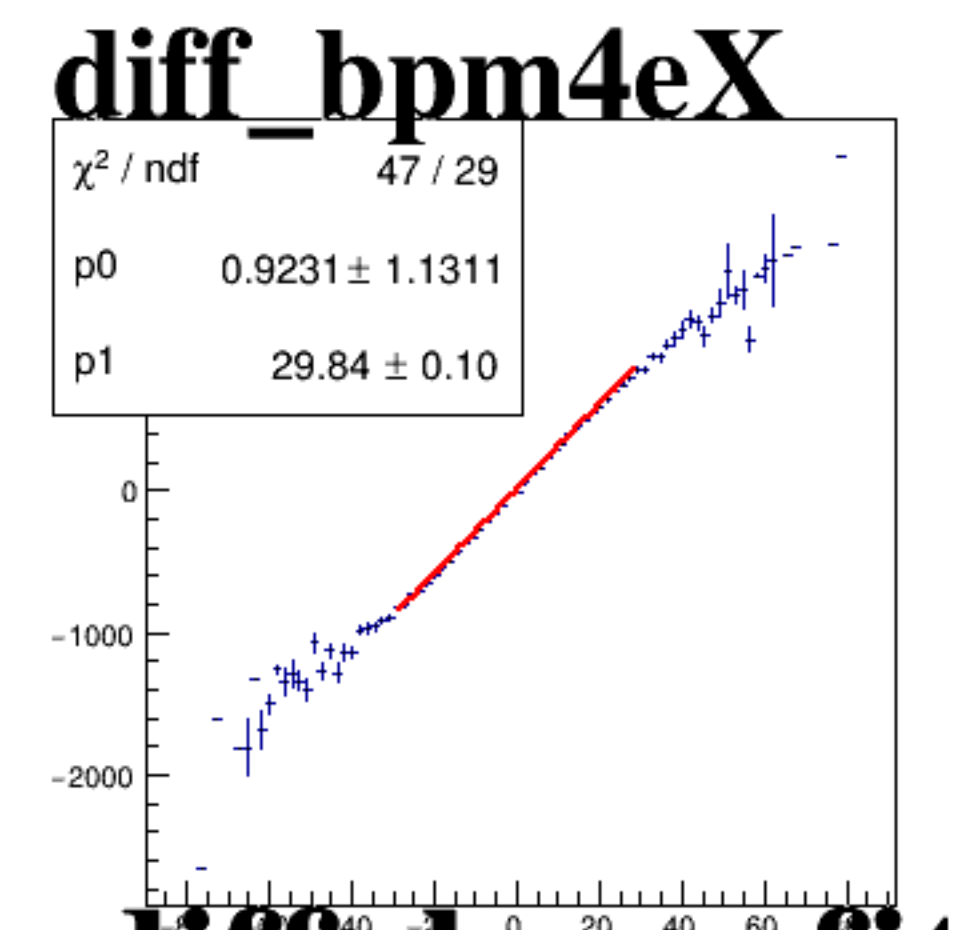
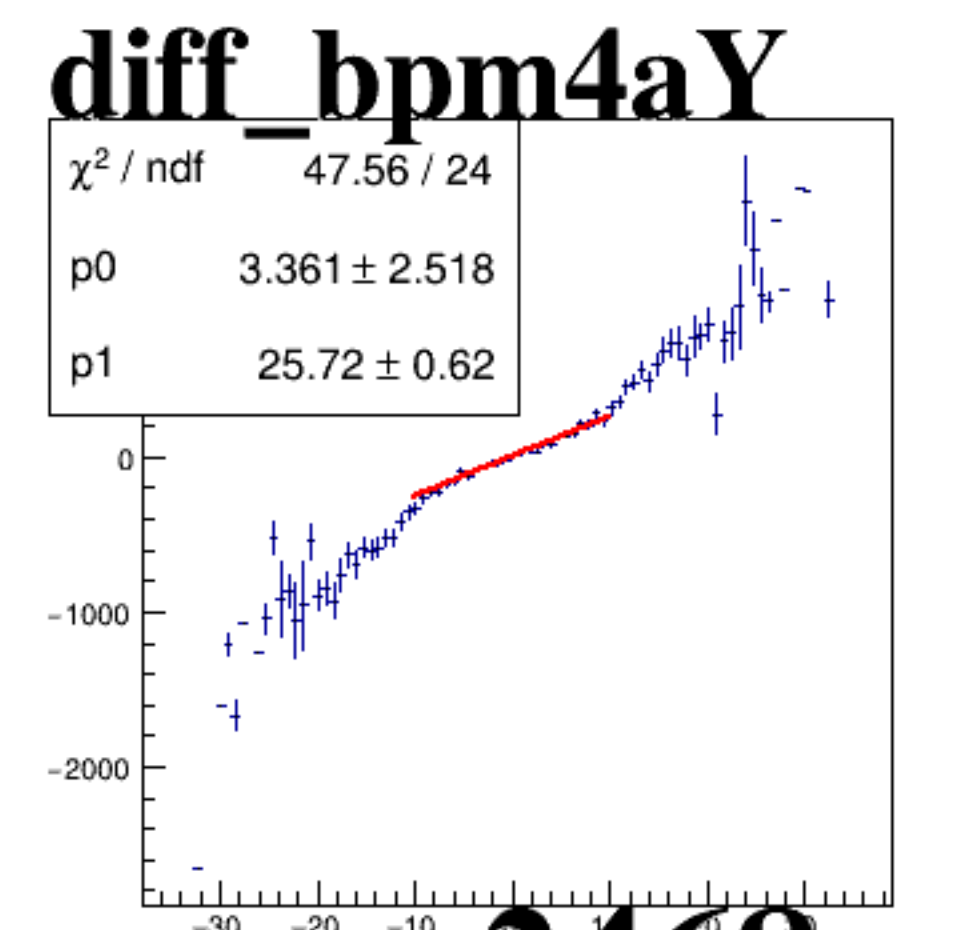
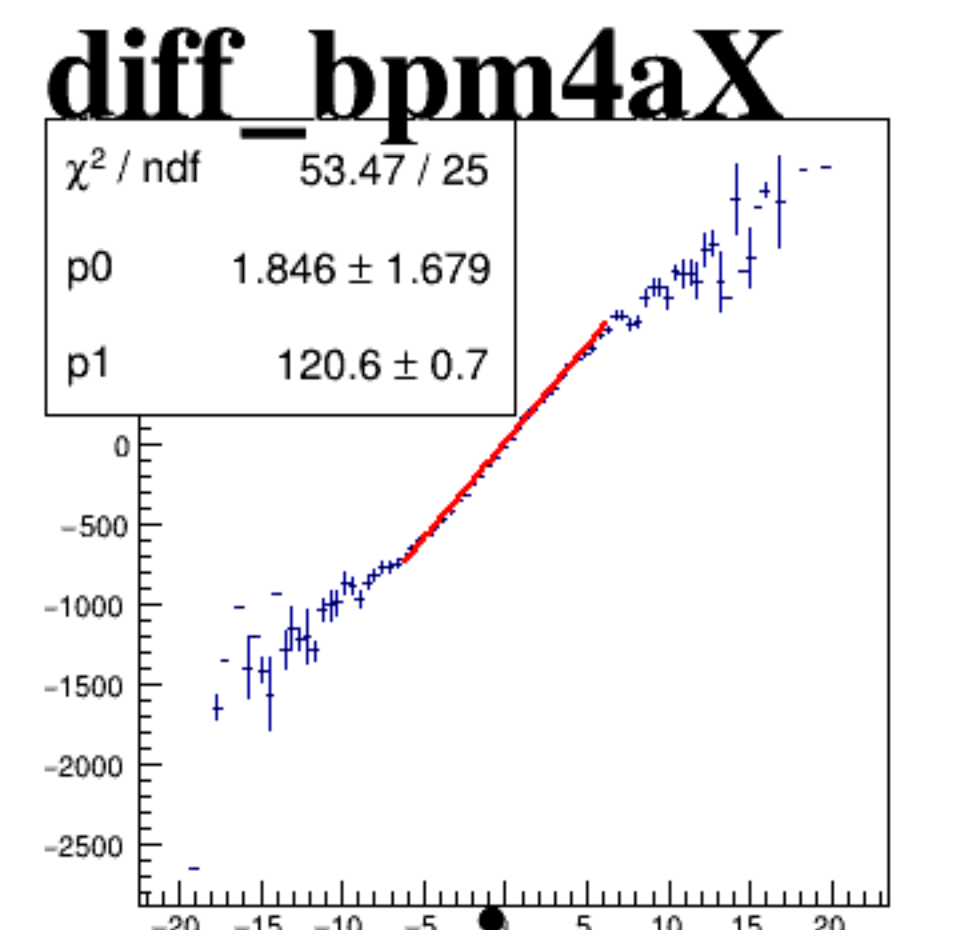
asym_sam4



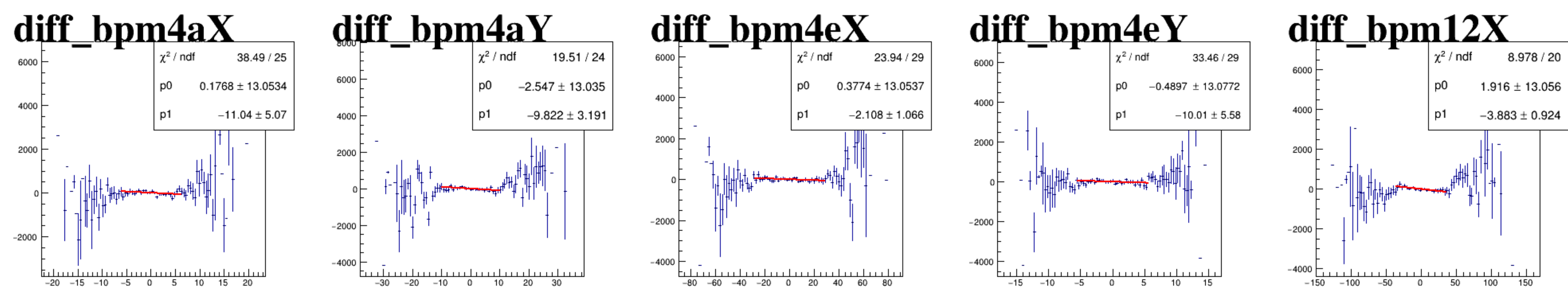
asym_sam6



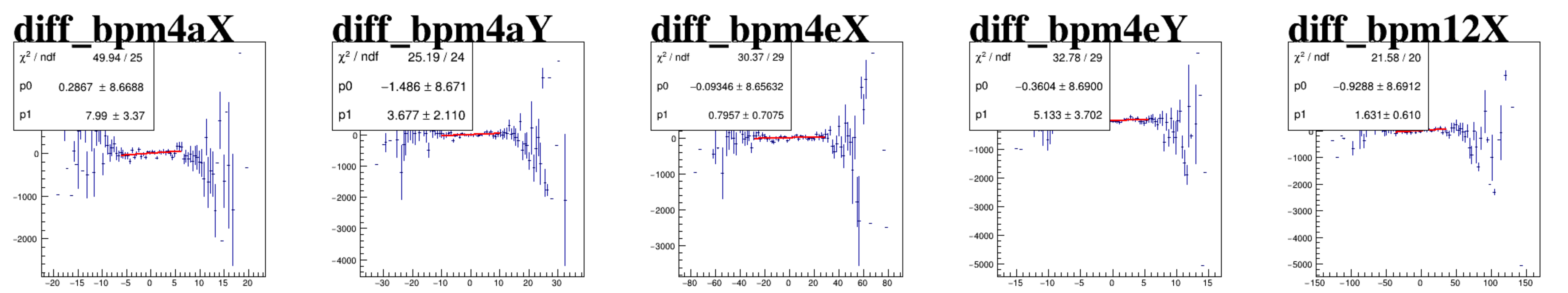
asym_sam8



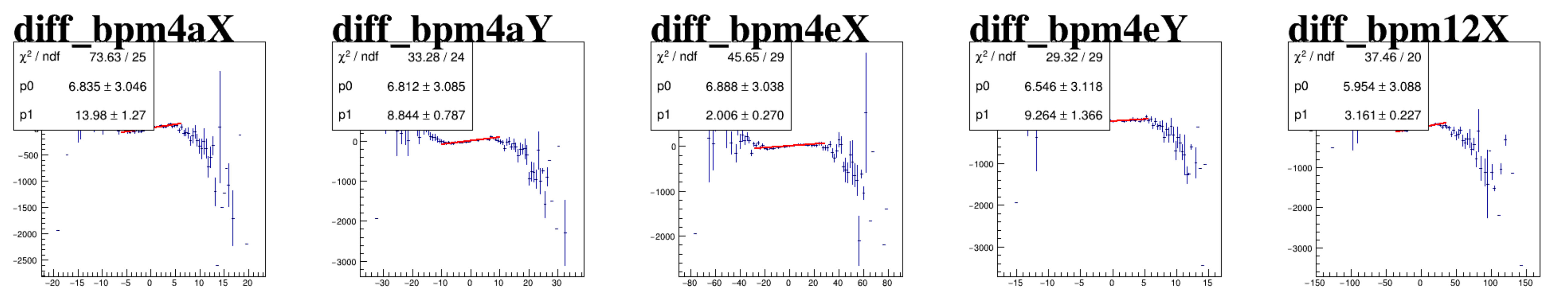
reg_asym_sam2



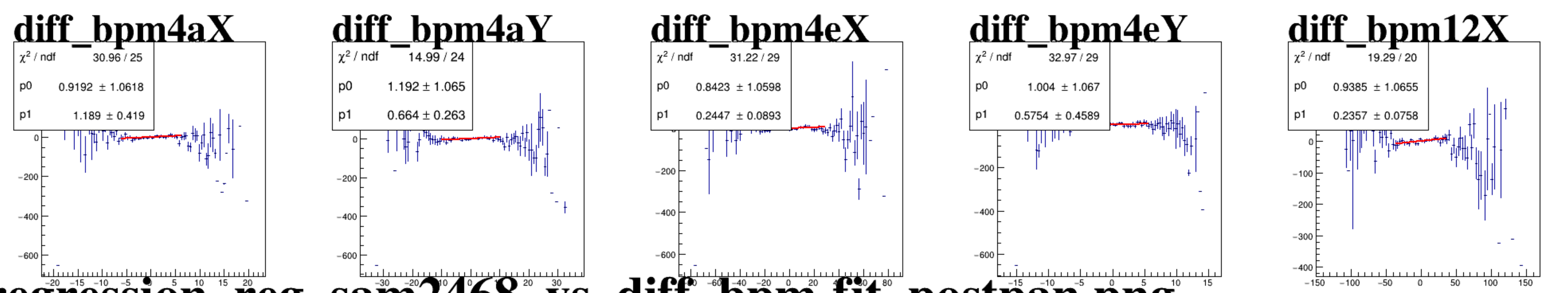
reg_asym_sam4



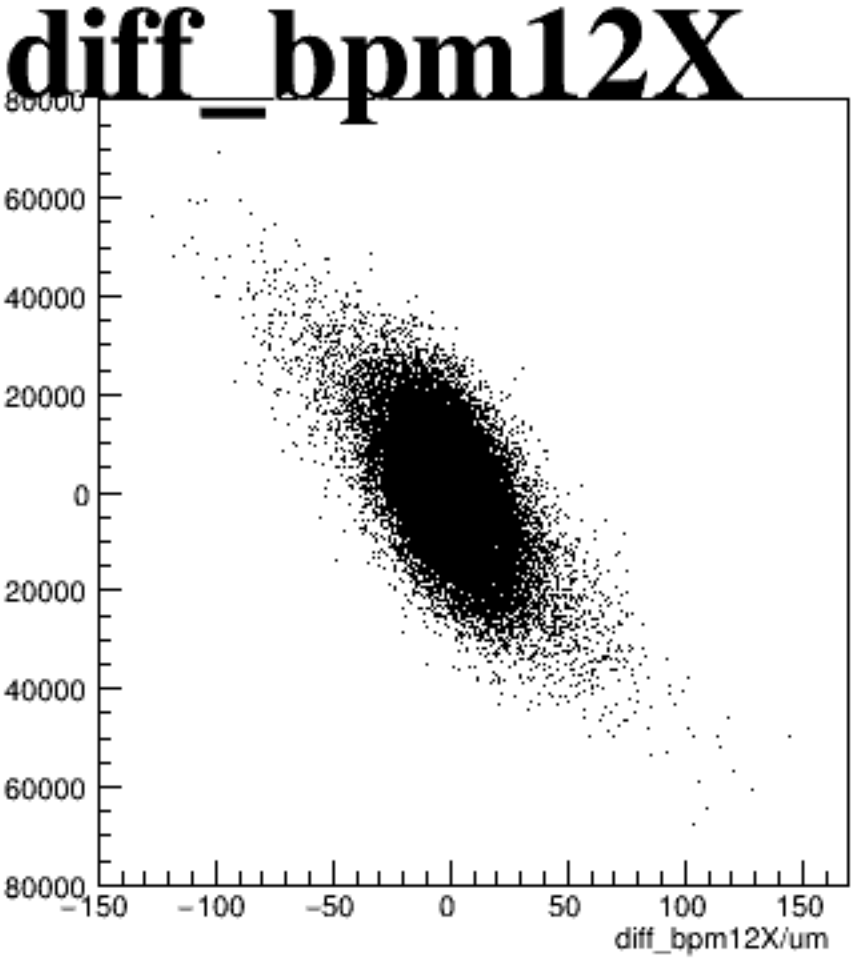
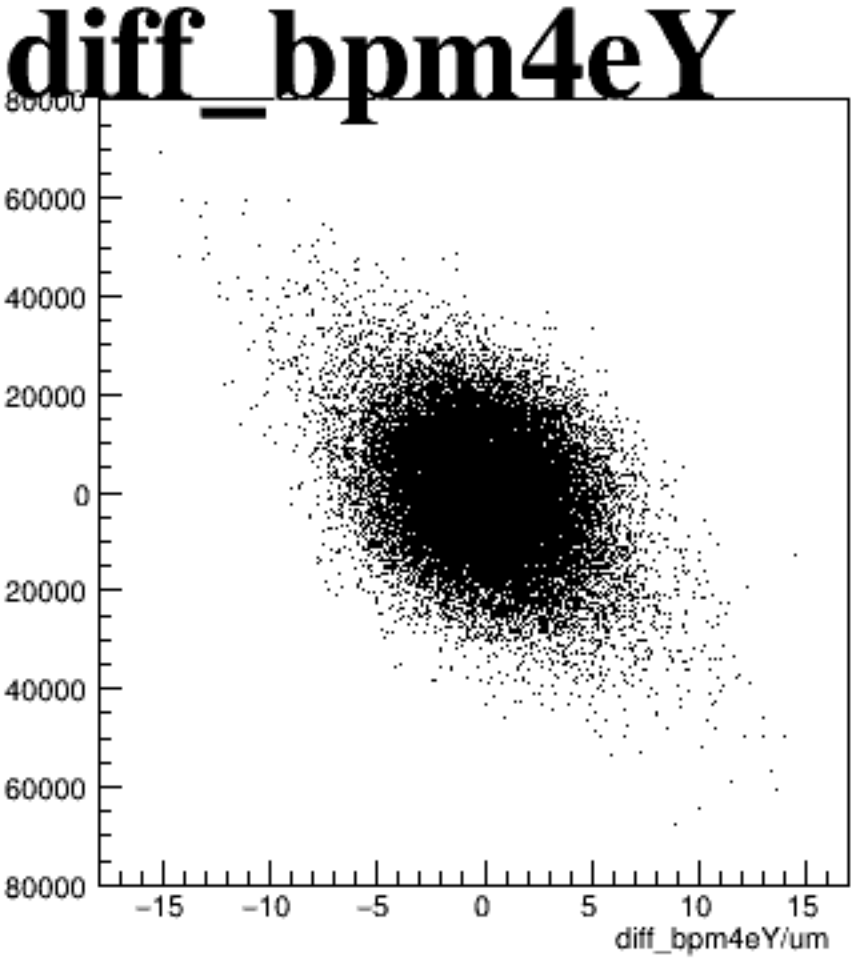
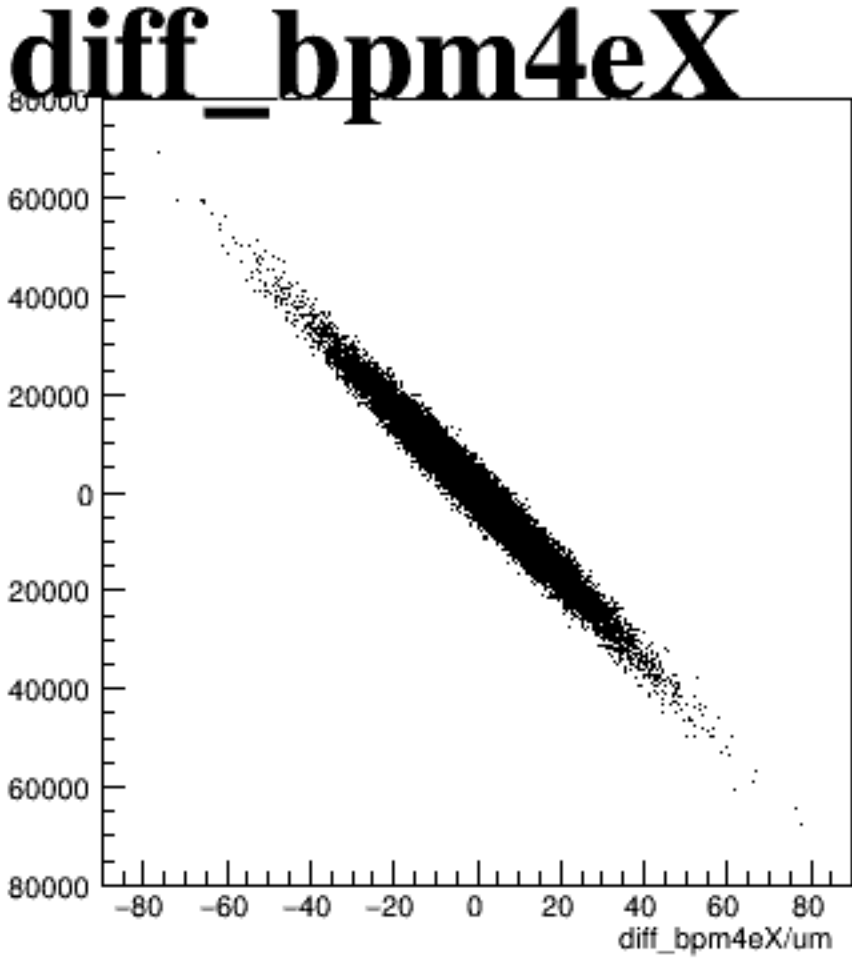
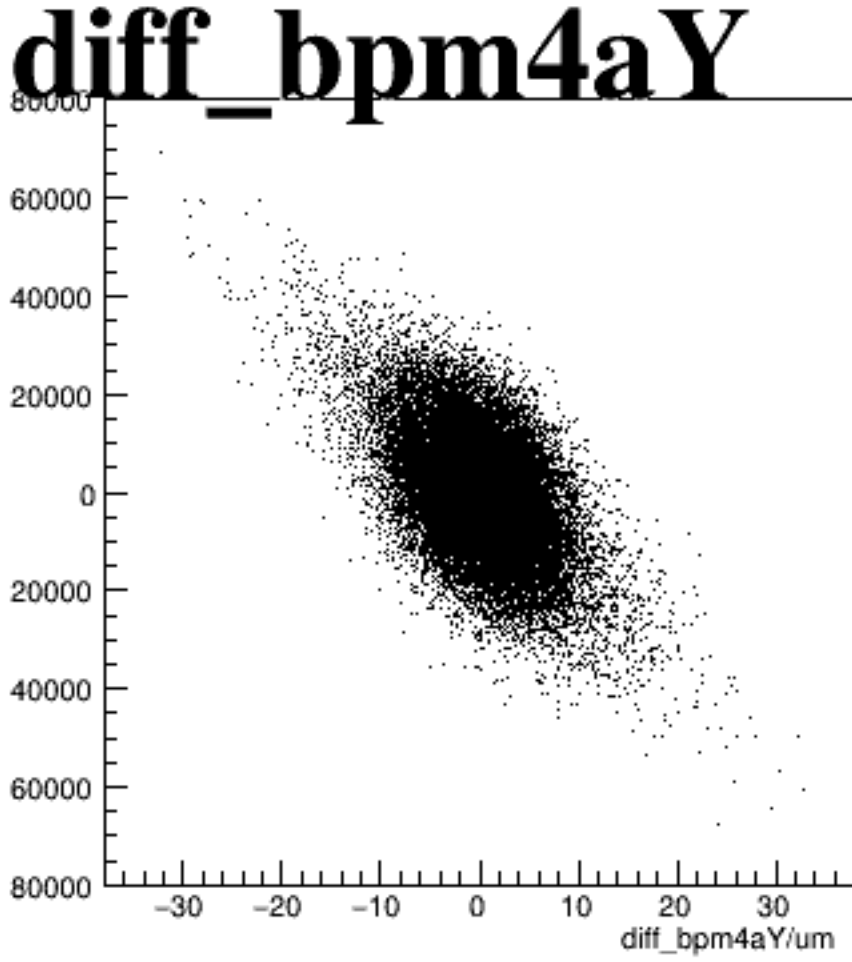
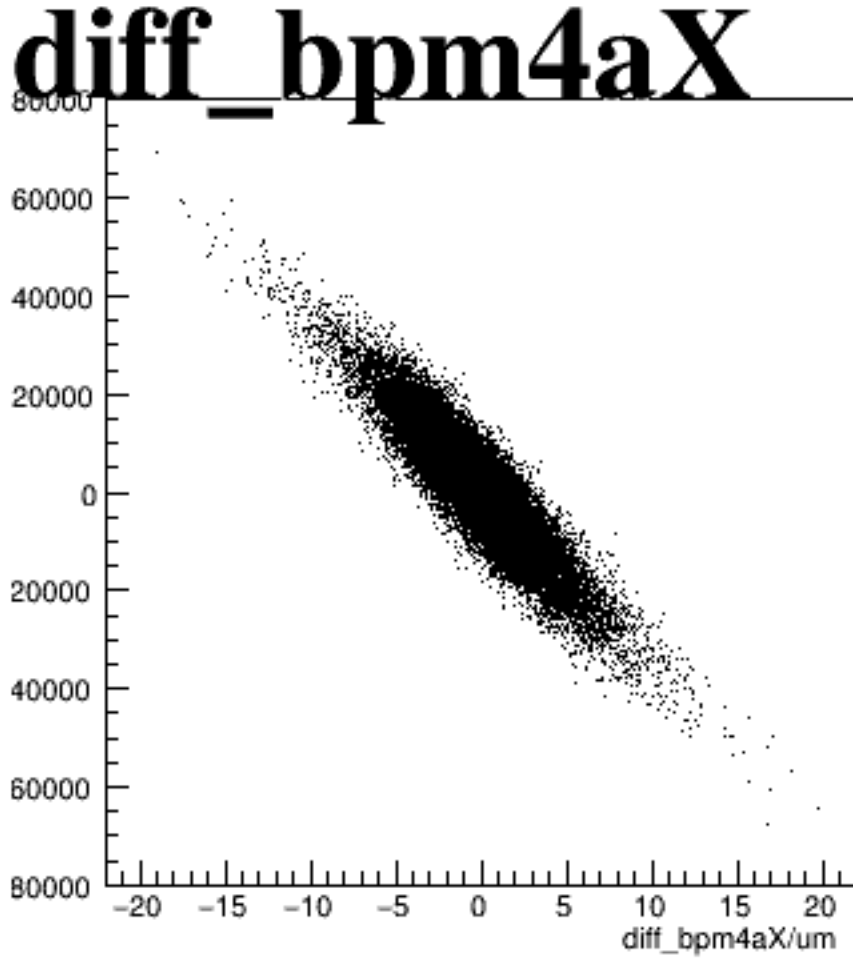
reg_asym_sam6



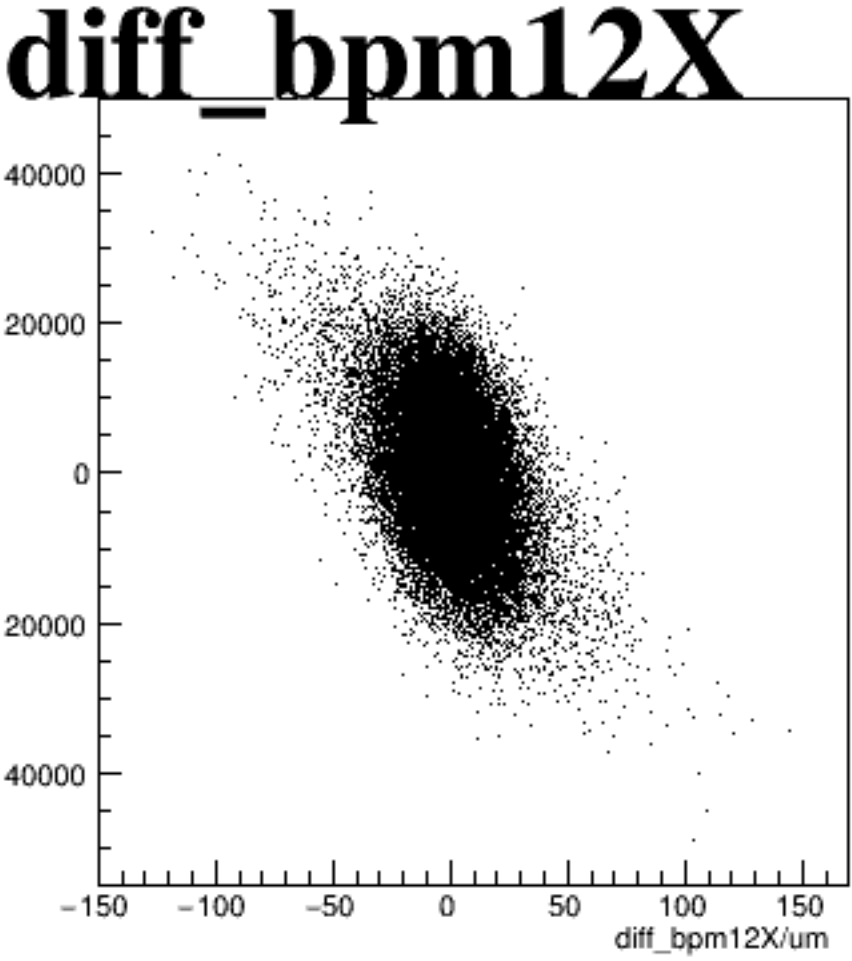
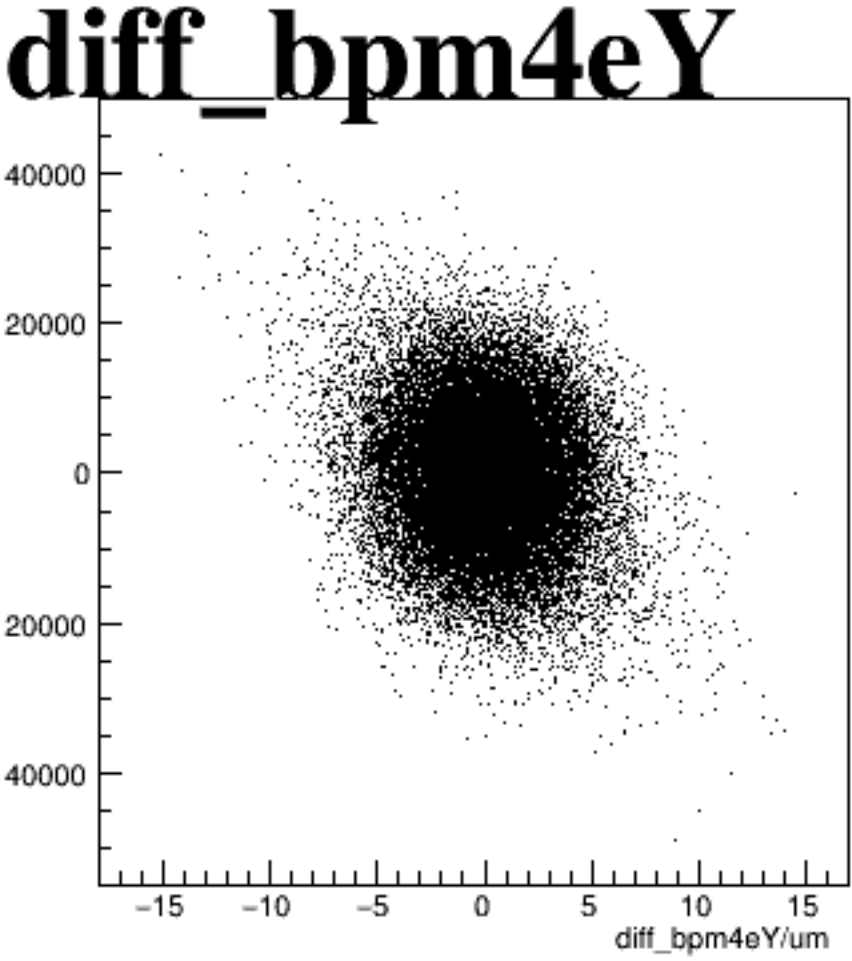
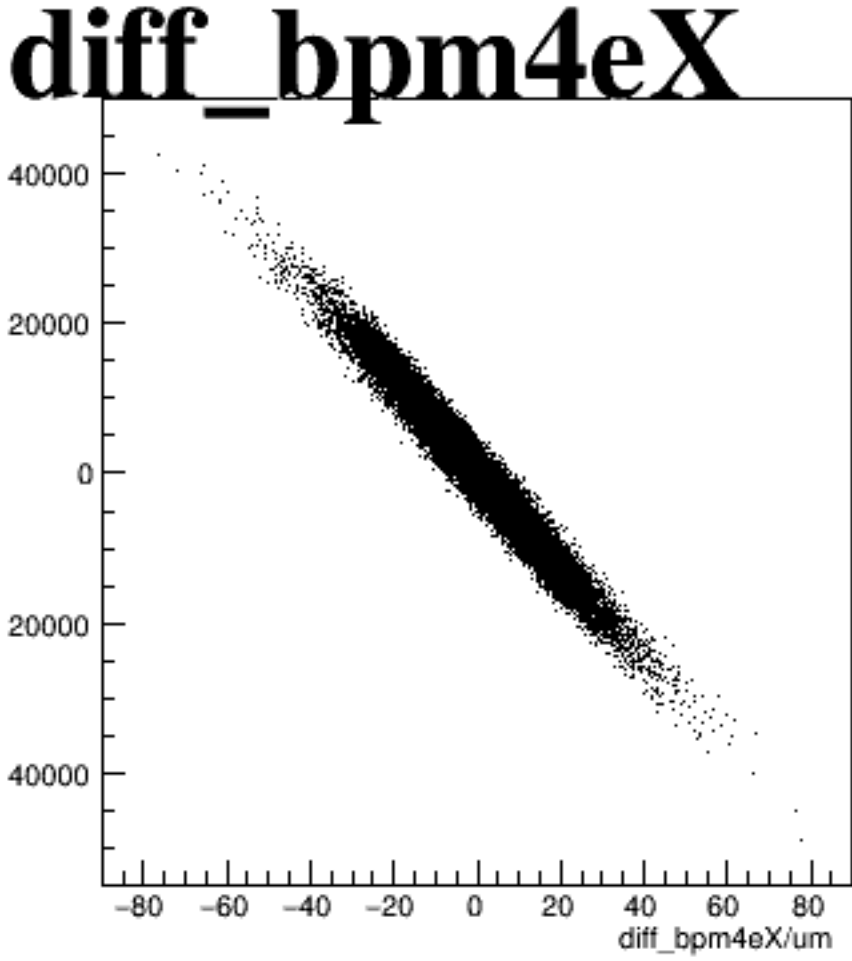
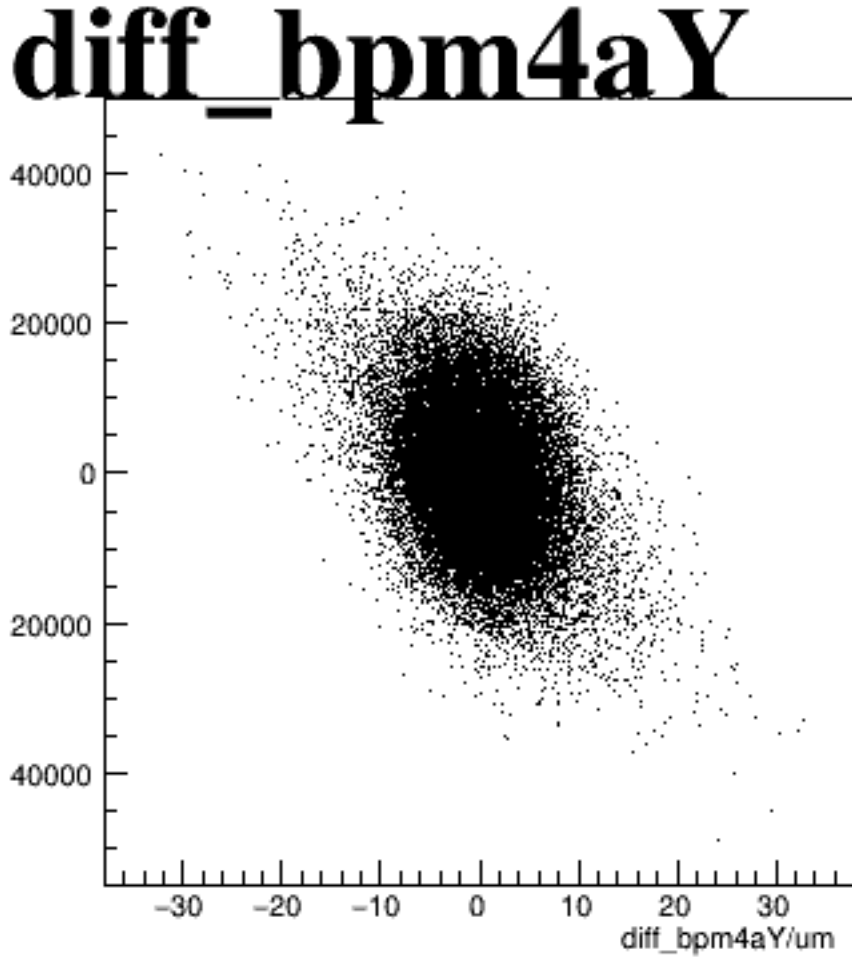
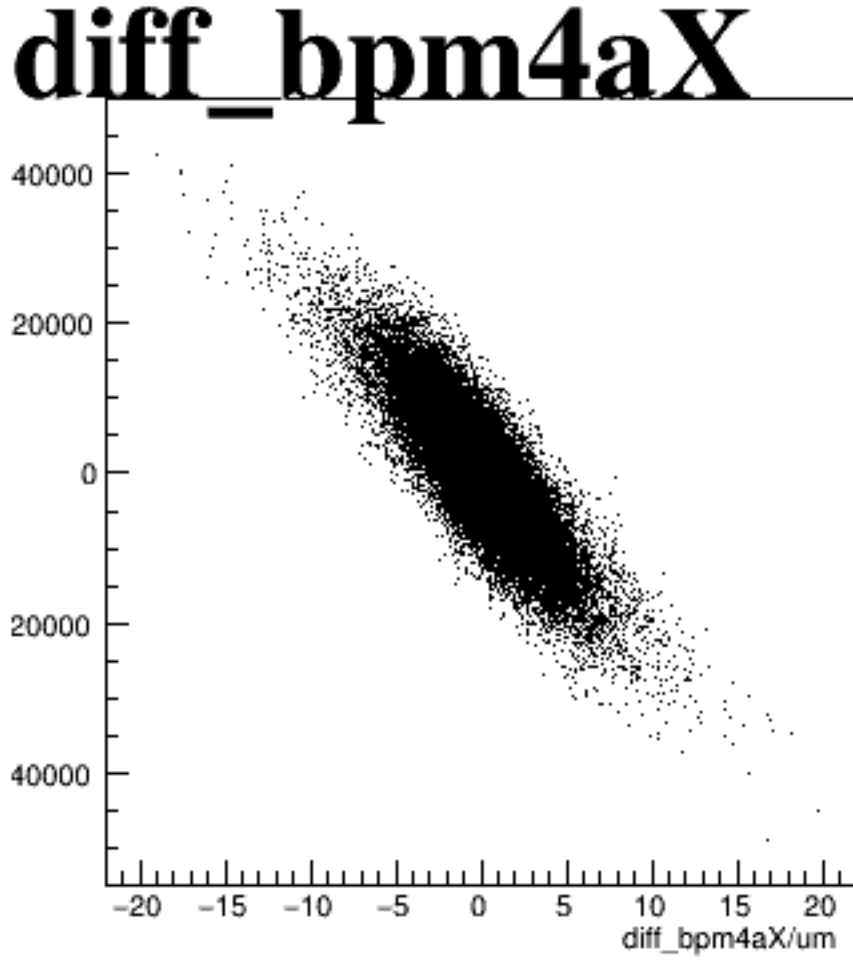
reg_asym_sam8



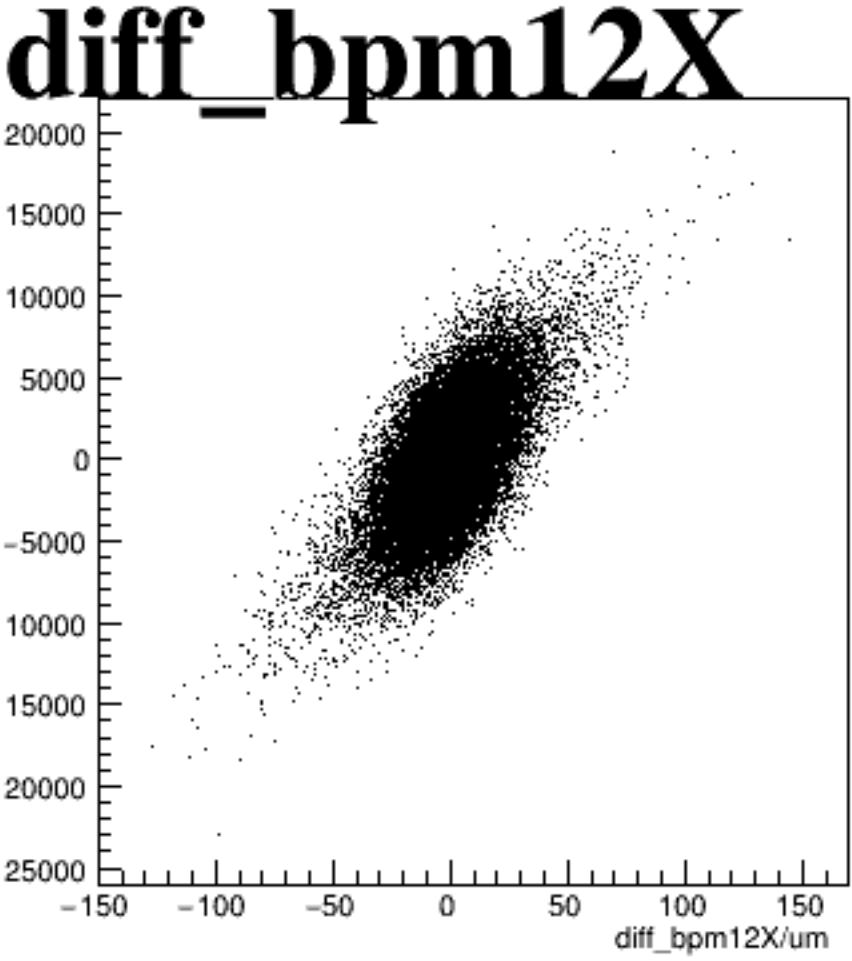
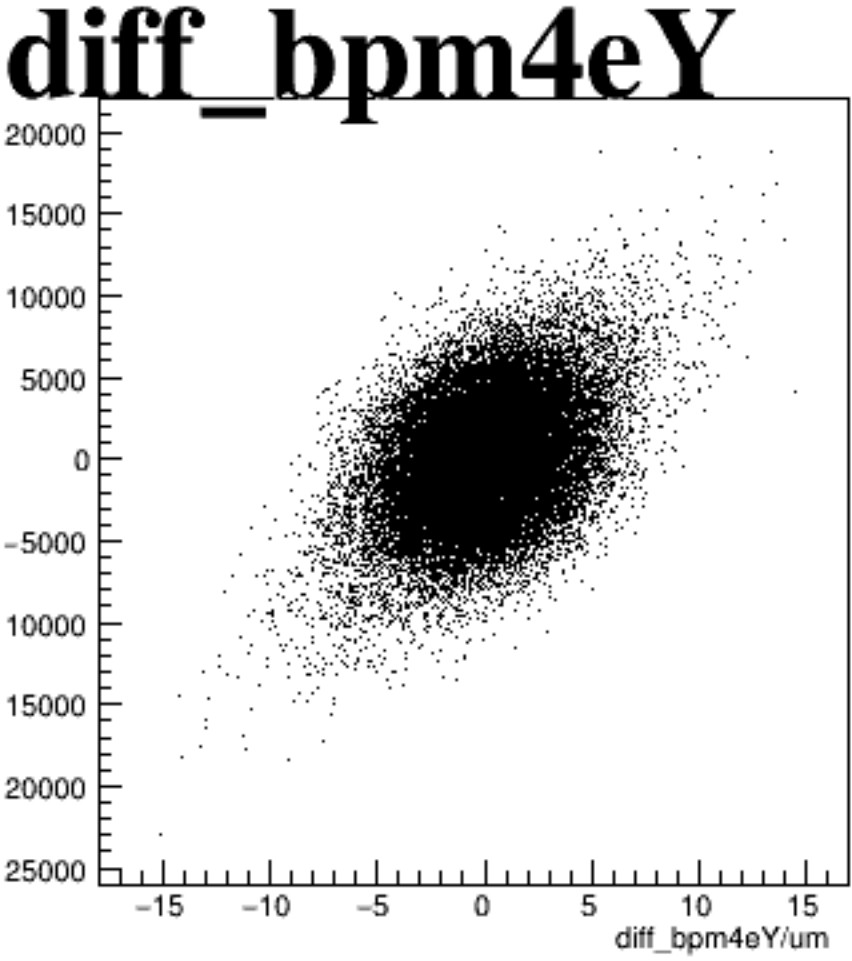
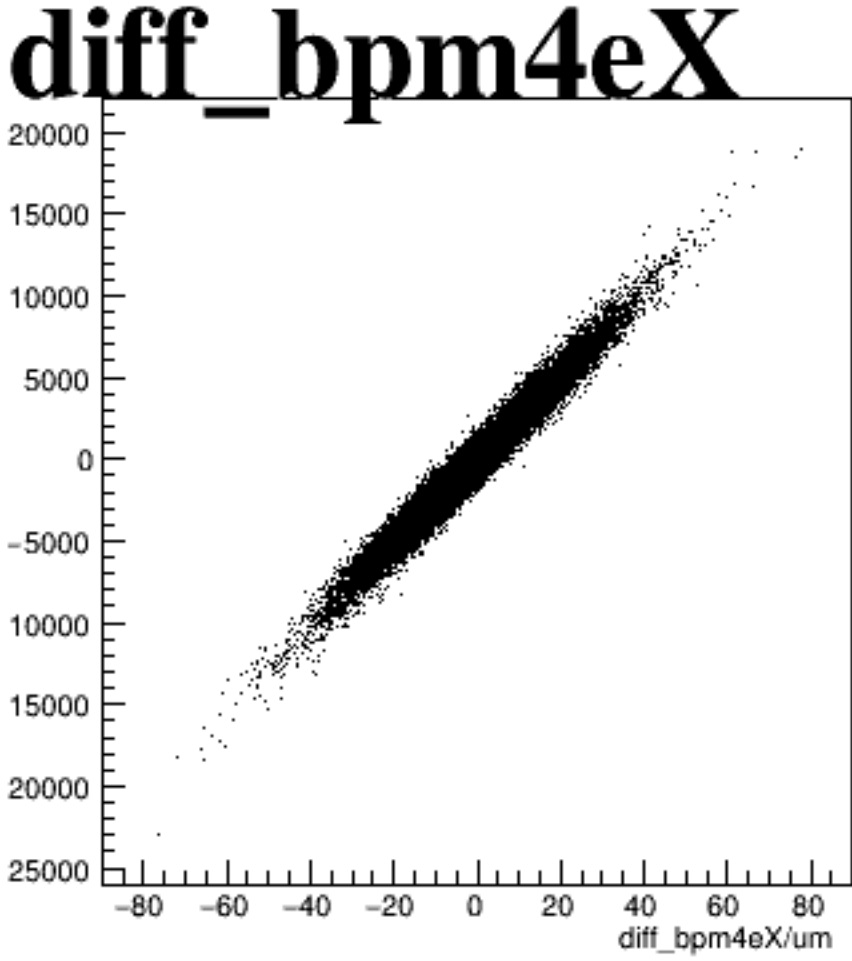
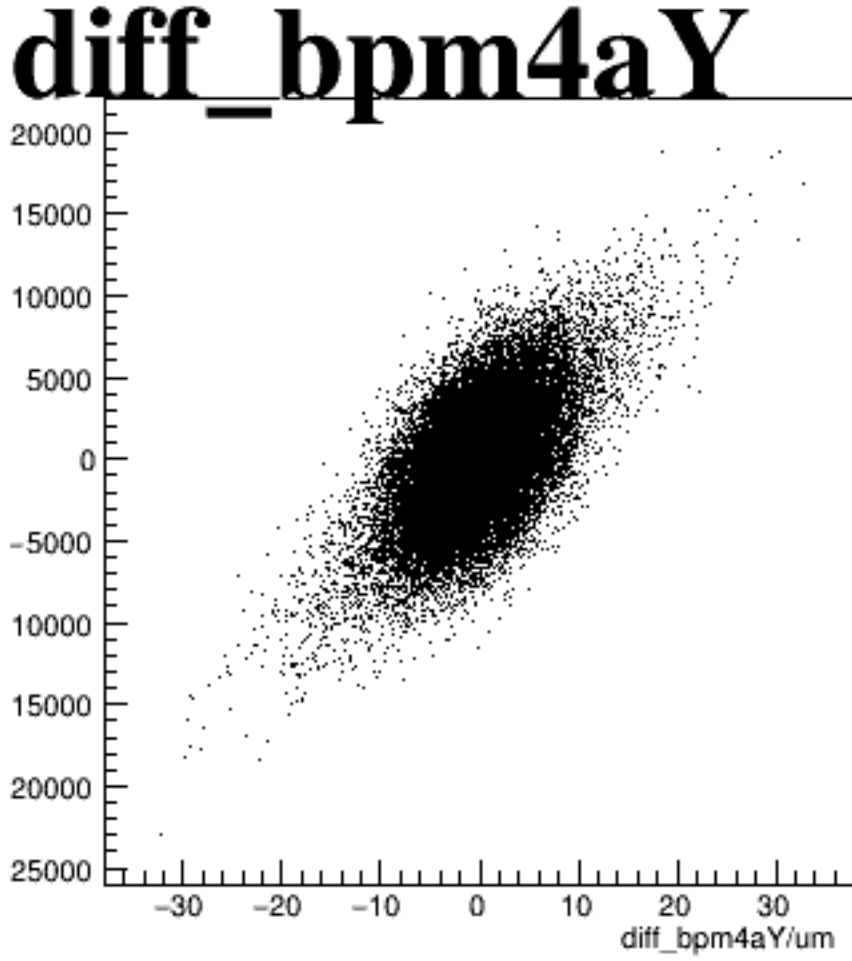
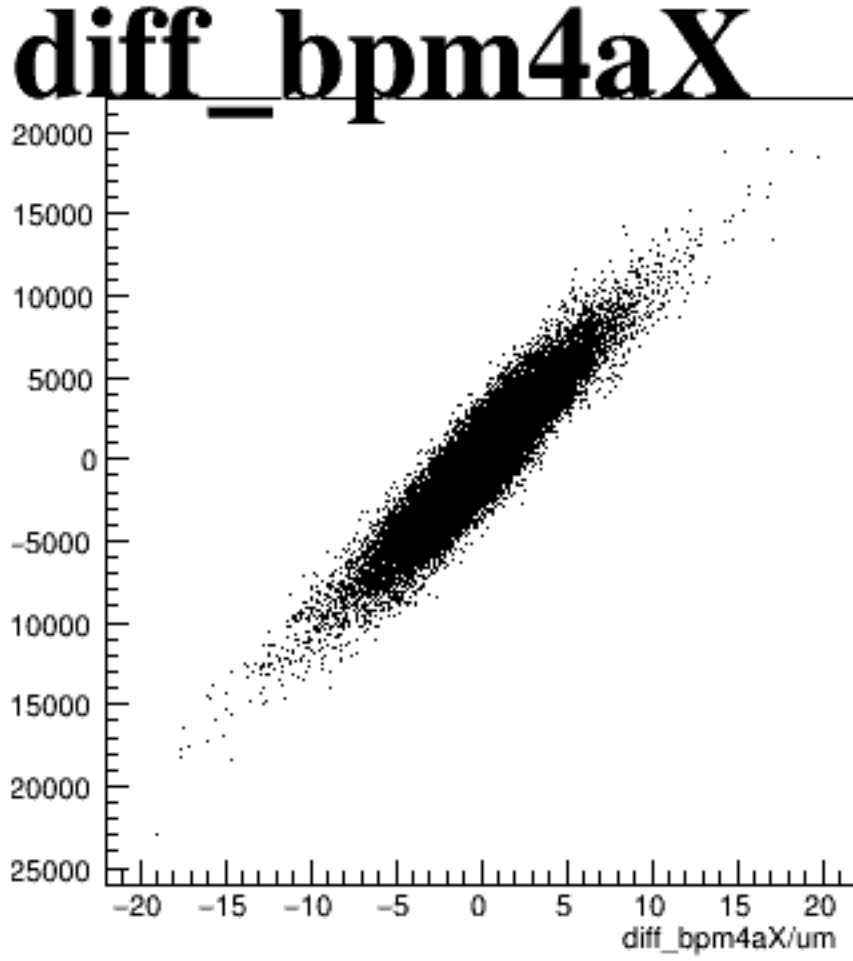
asym_sam2



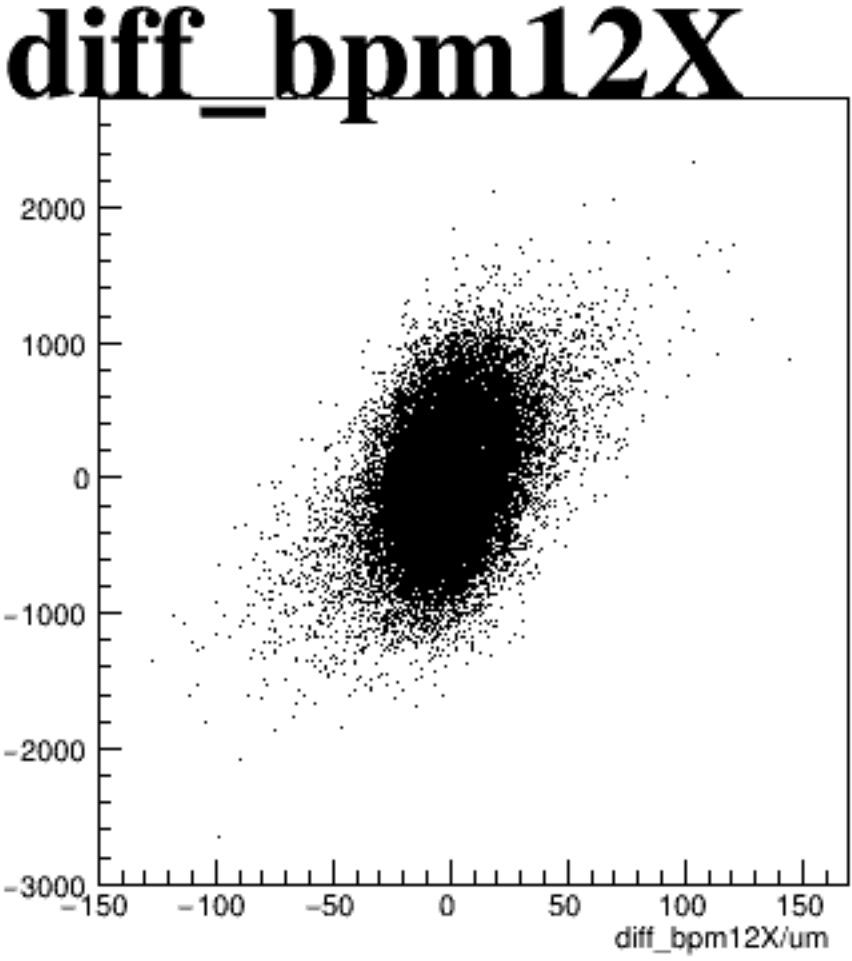
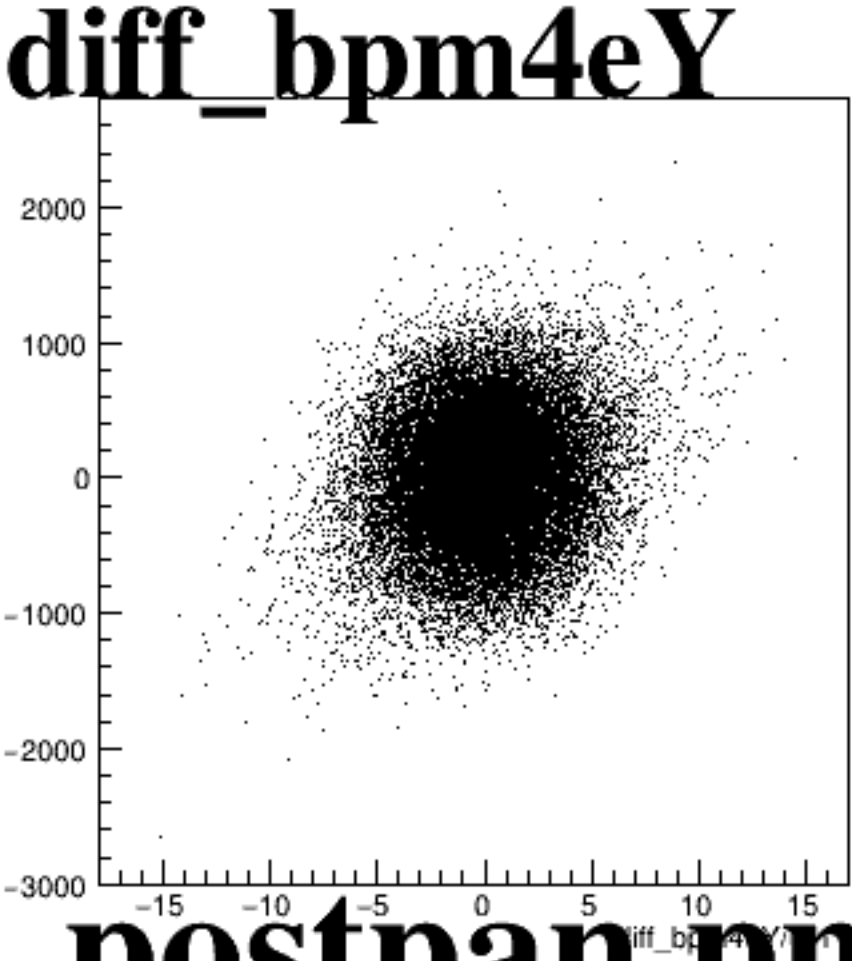
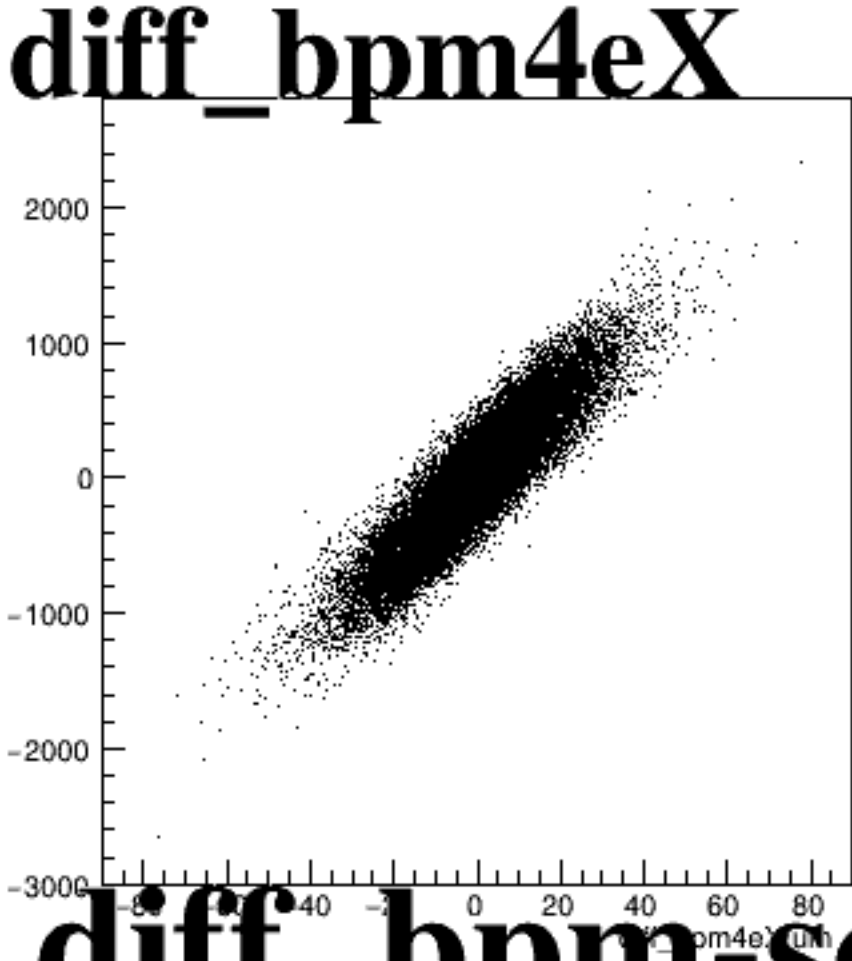
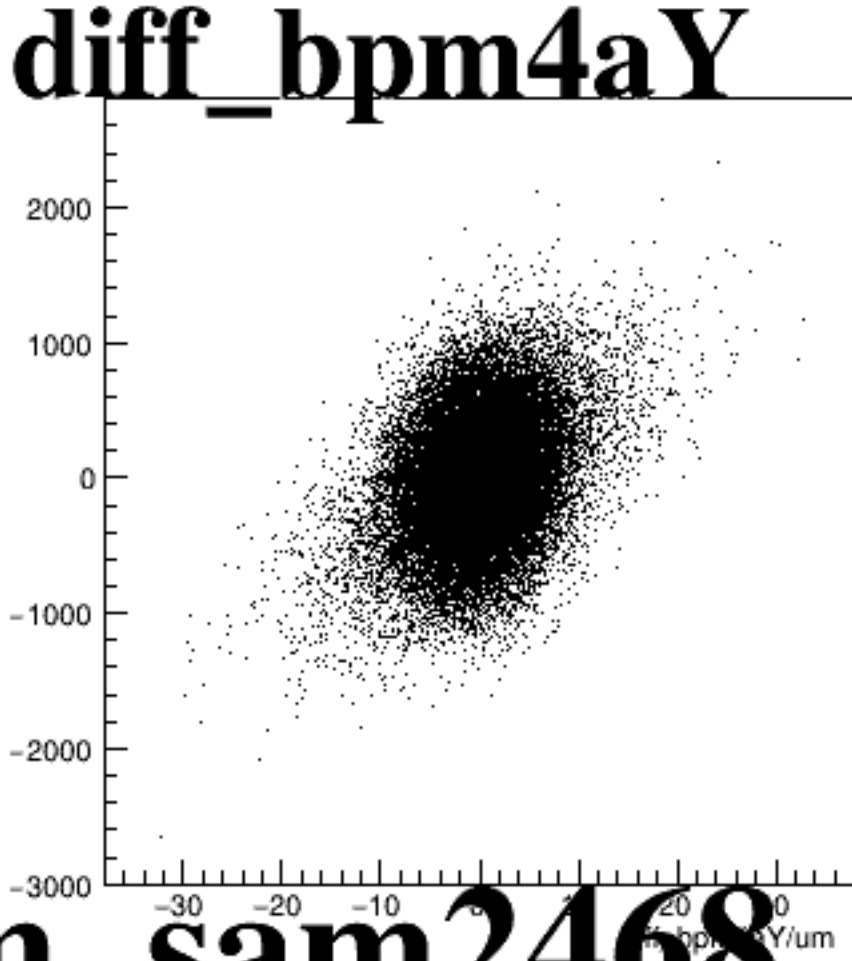
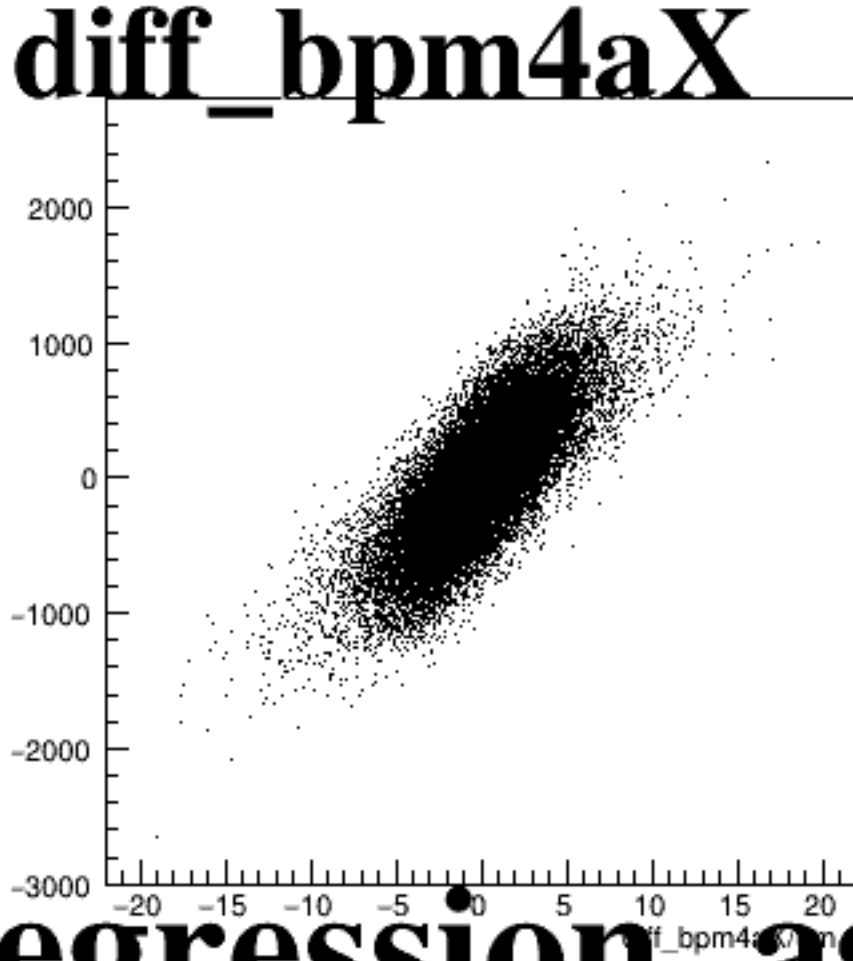
asym_sam4



asym_sam6

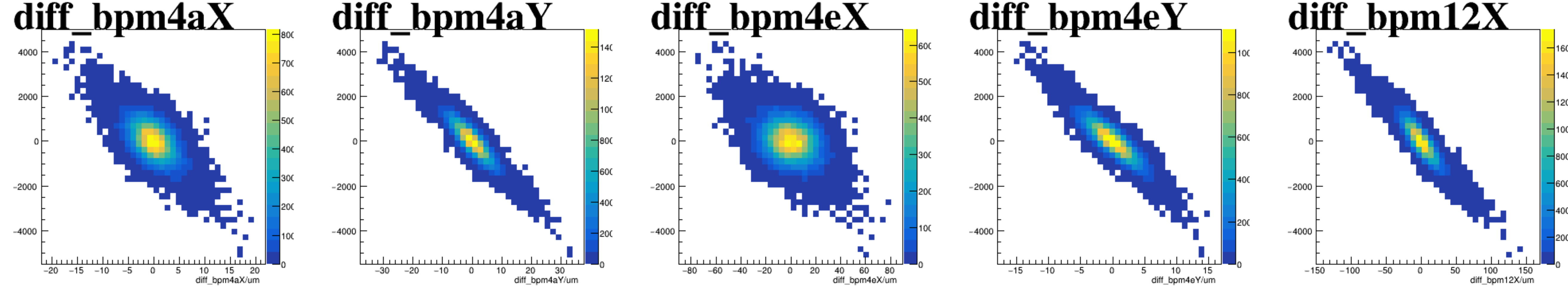


asym_sam8

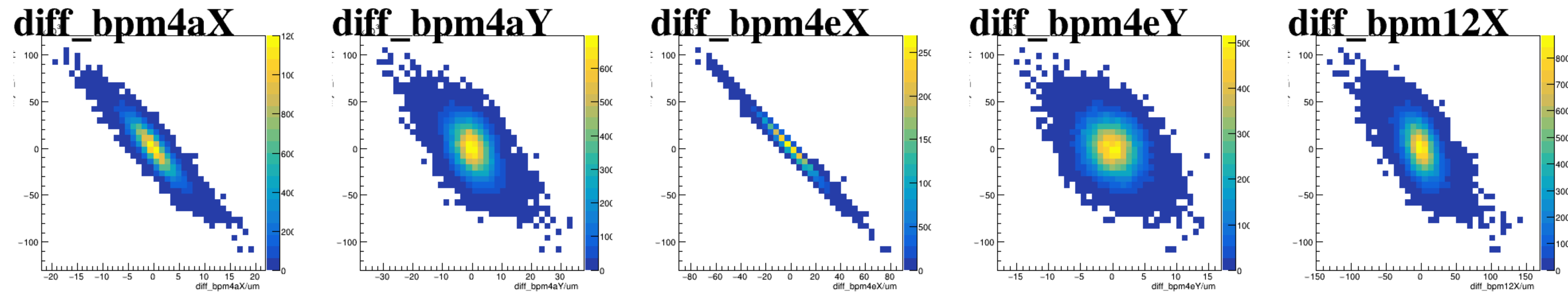


The figure consists of five scatter plots arranged horizontally, each showing the difference in BPM (diff_bpm) for a specific beam parameter compared to the reference BPM (4aX). The y-axis for all plots is labeled 'diff_bpm' and ranges from -10000 to 8000. The x-axis for each plot is labeled 'diff_bpm[parameter]/um' and ranges from -20 to 20 for 4aX, -30 to 30 for 4aY, -80 to 80 for 4eX, -15 to 15 for 4eY, and -150 to 150 for 12X. All plots show a dense, roughly circular distribution of points centered around zero difference, indicating good agreement between the measured and reference BPM values.

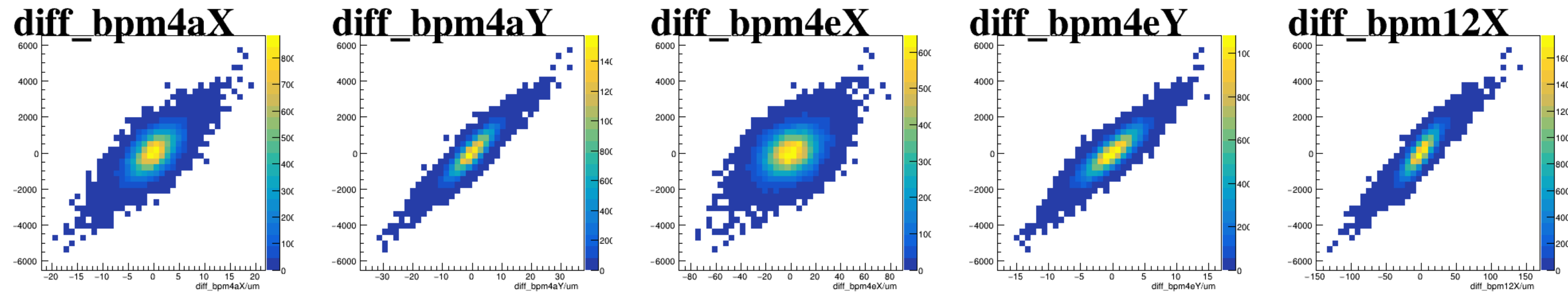
asym_sam1



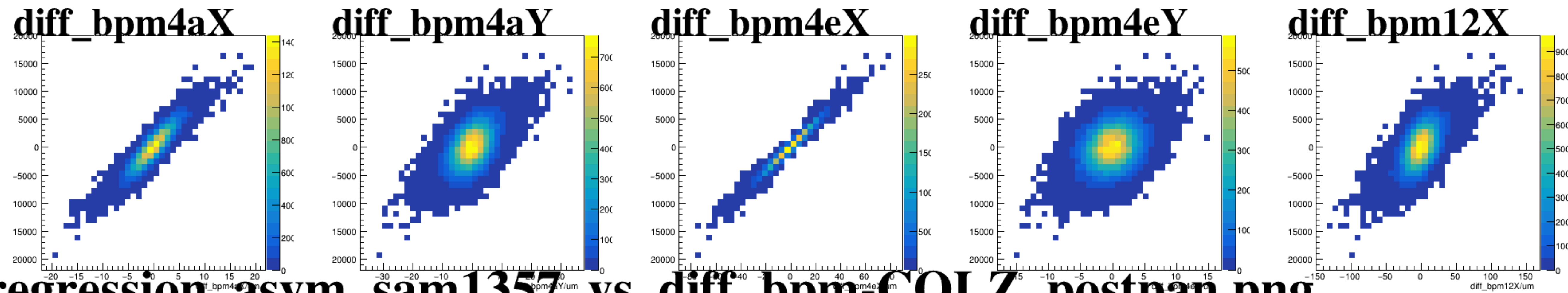
asym_sam3



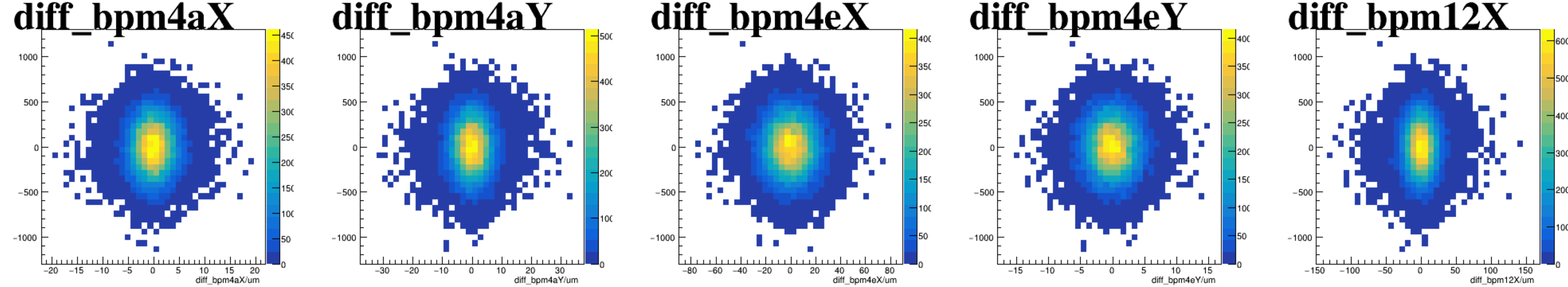
asym_sam5



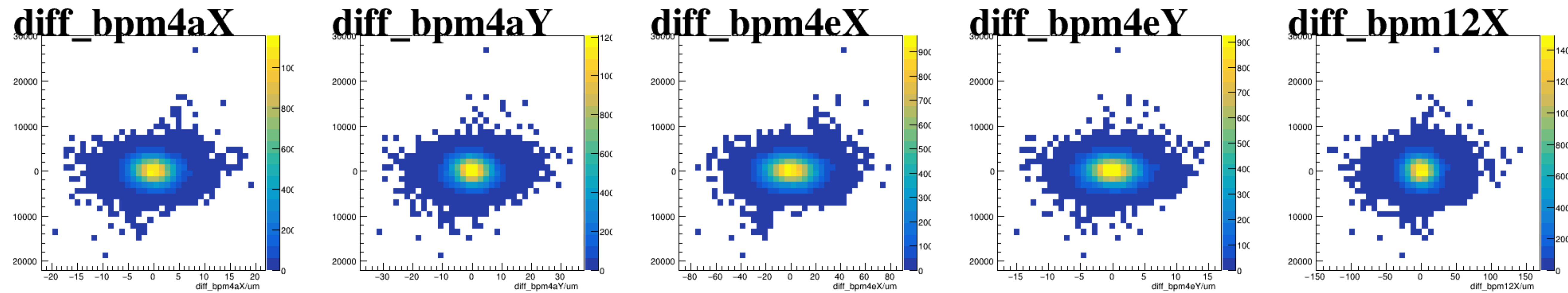
asym_sam7



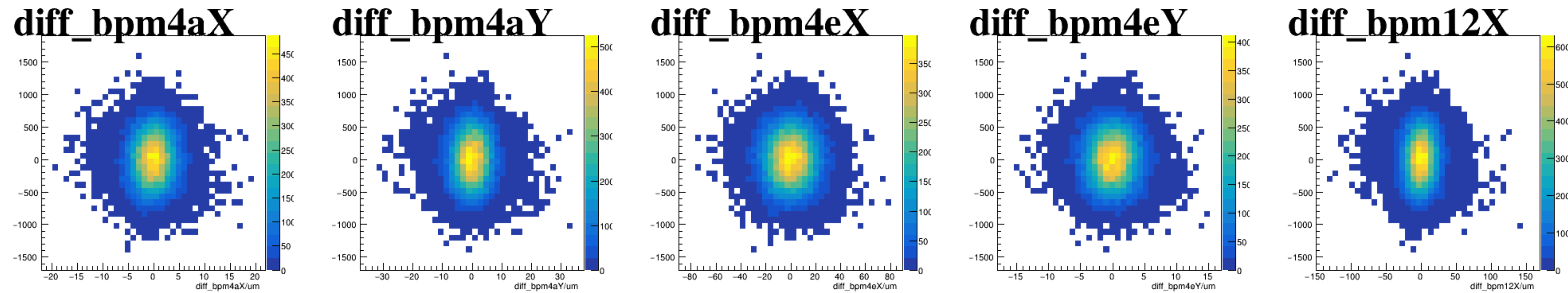
reg_asym_sam1



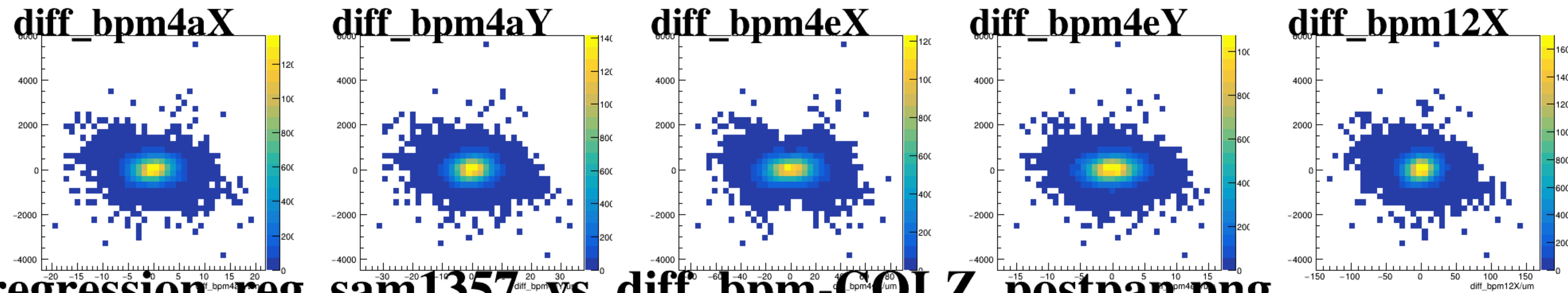
reg_asym_sam3



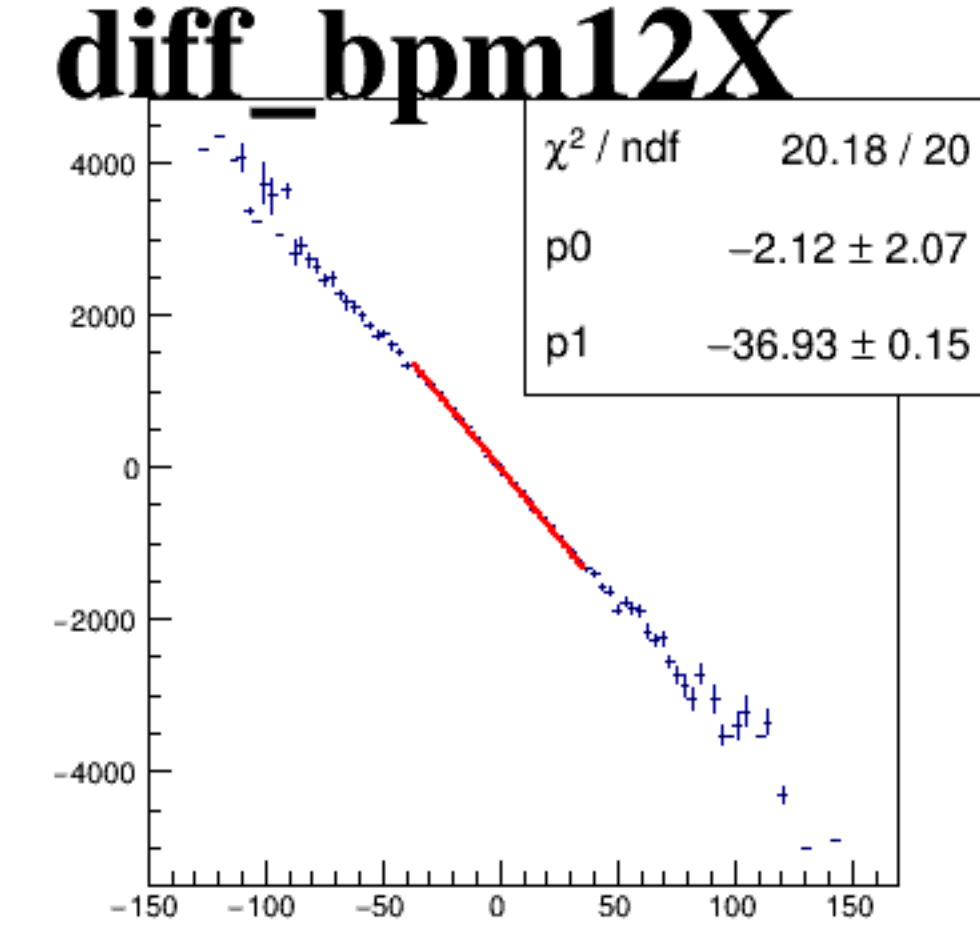
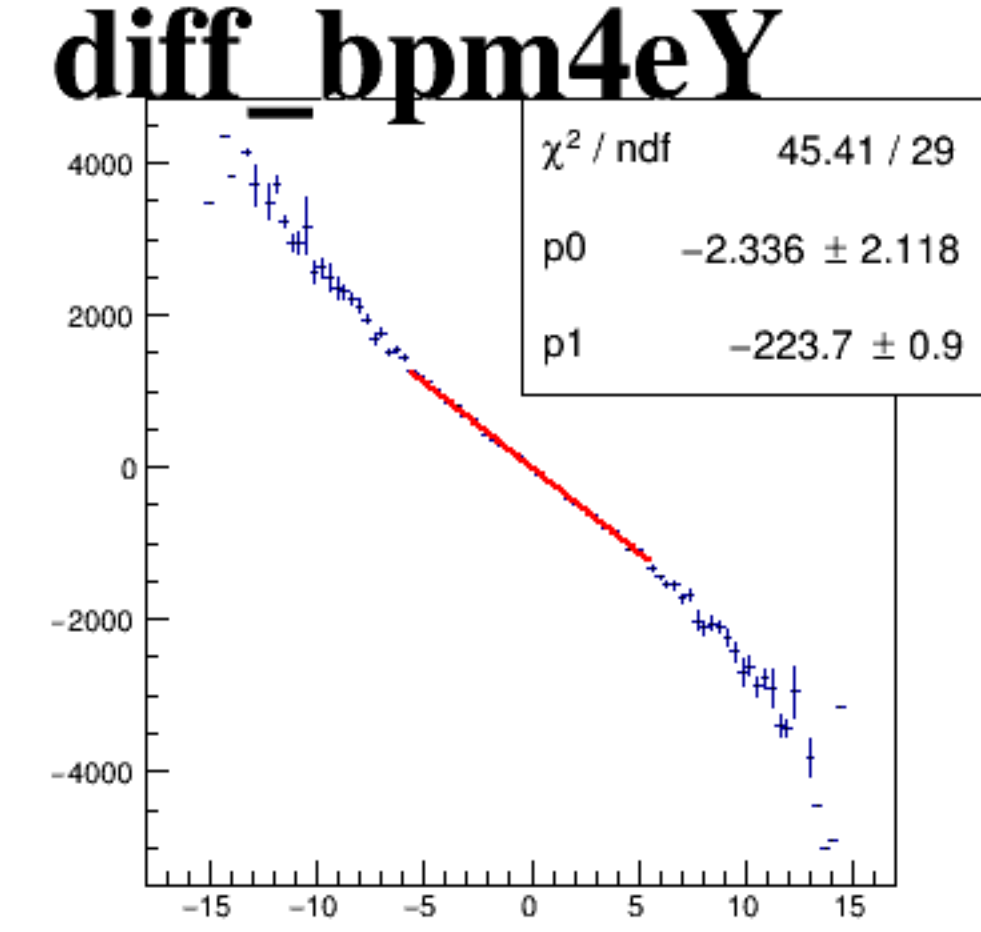
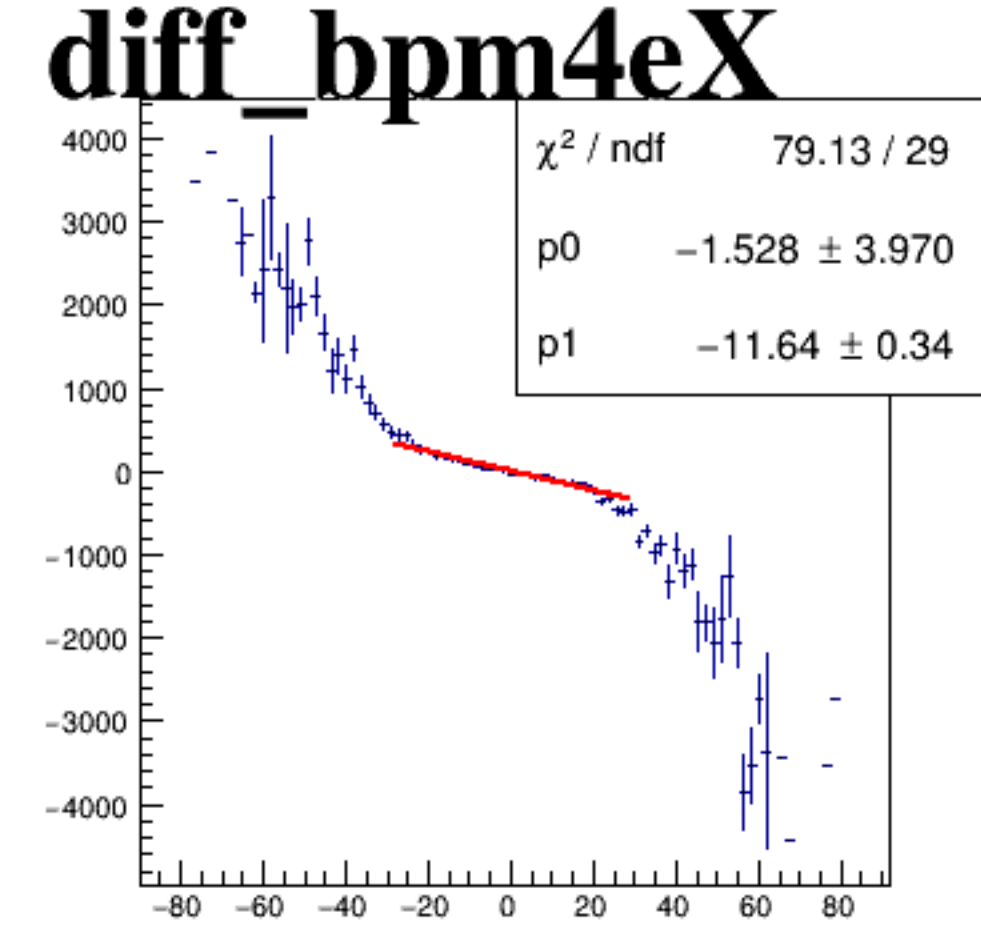
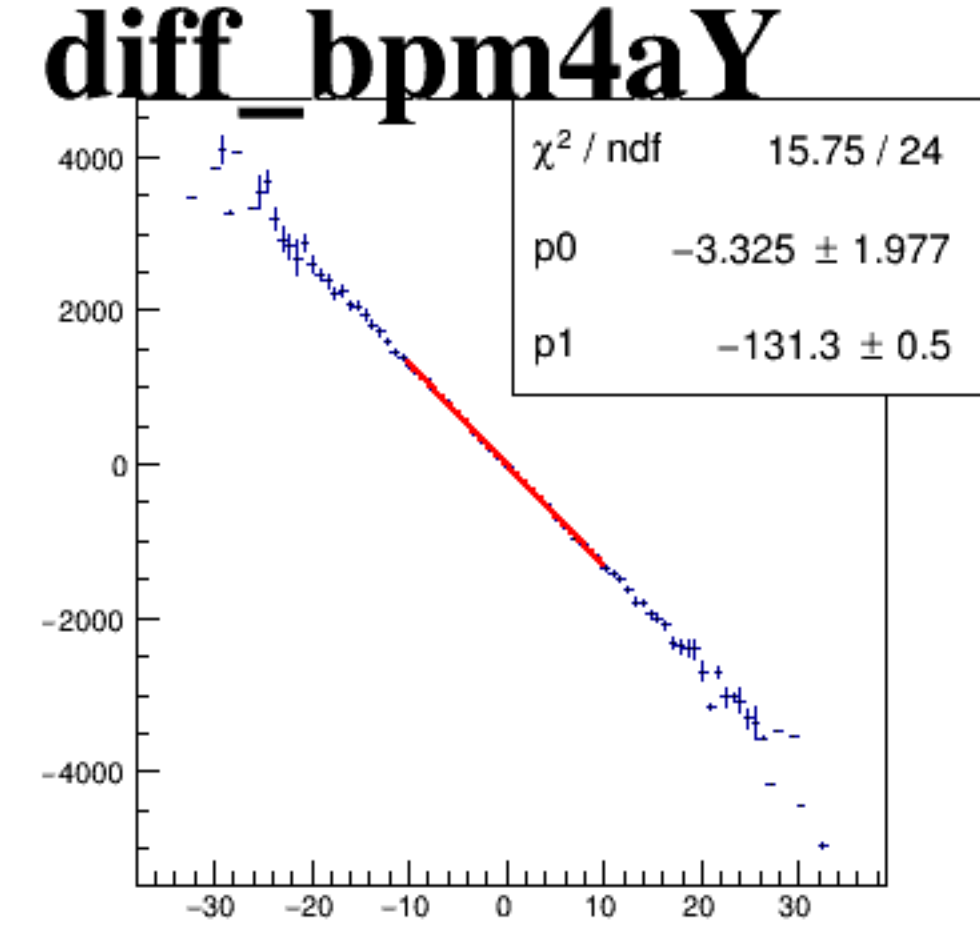
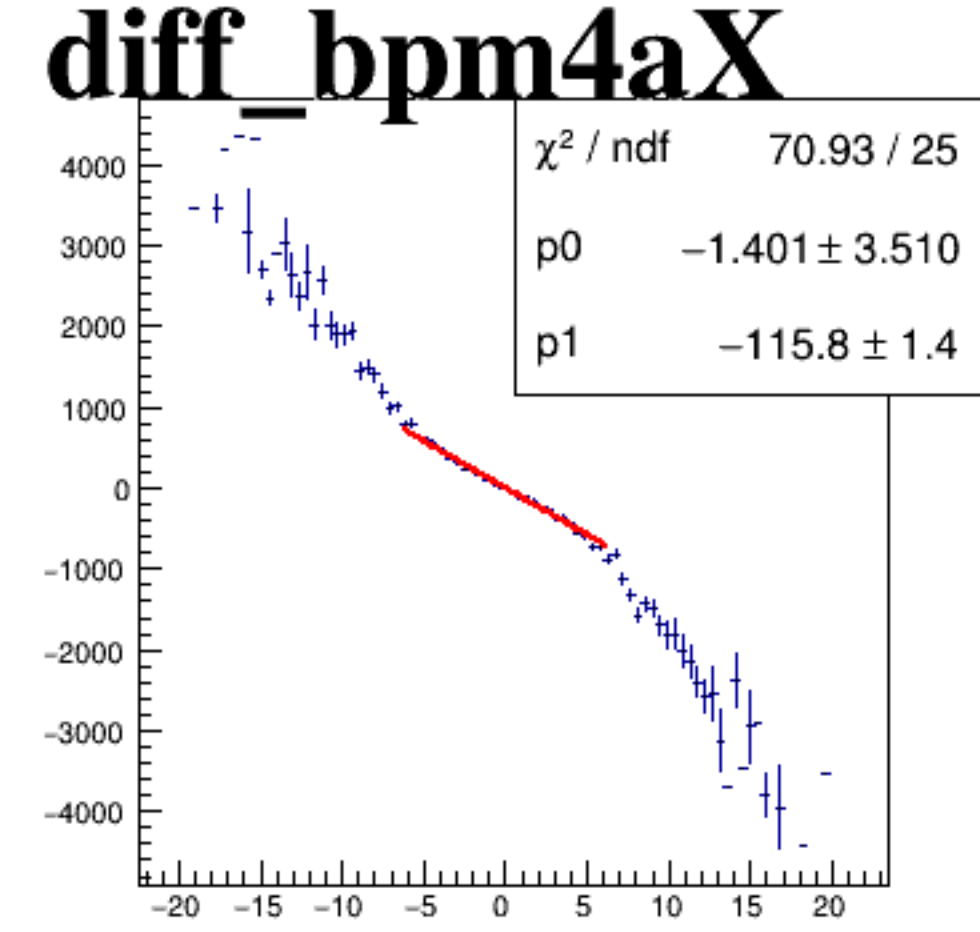
reg_asym_sam5



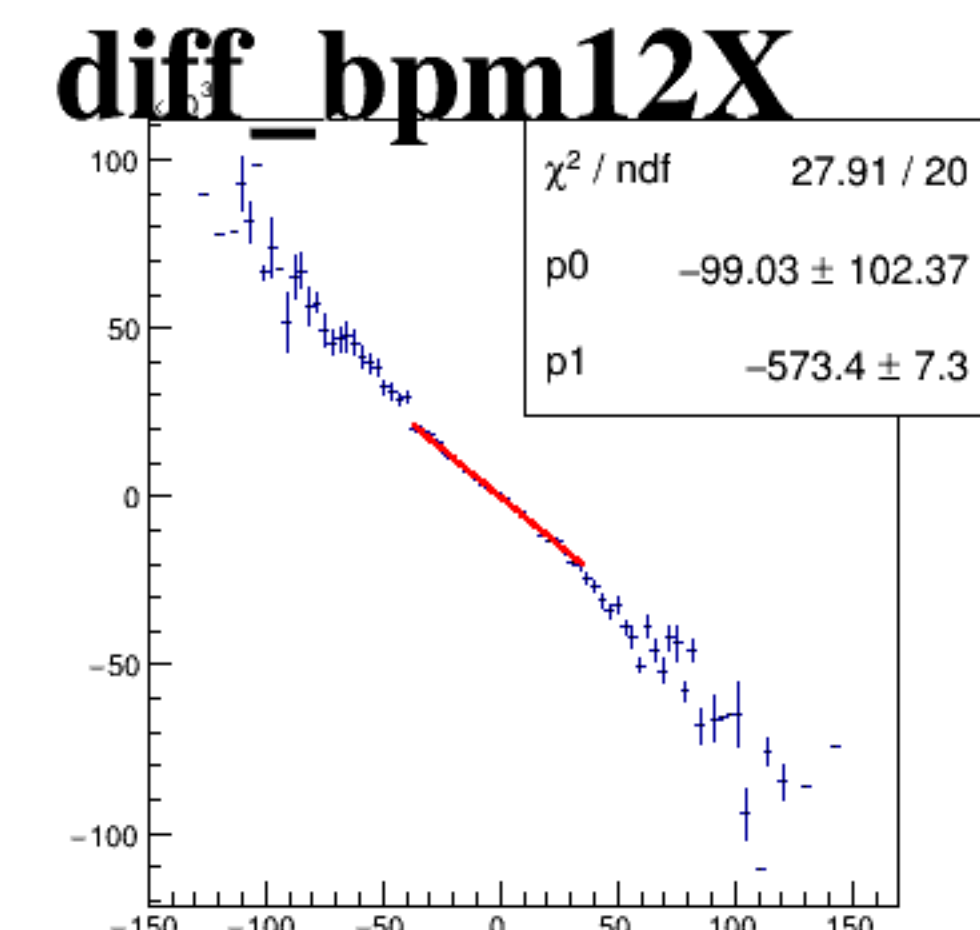
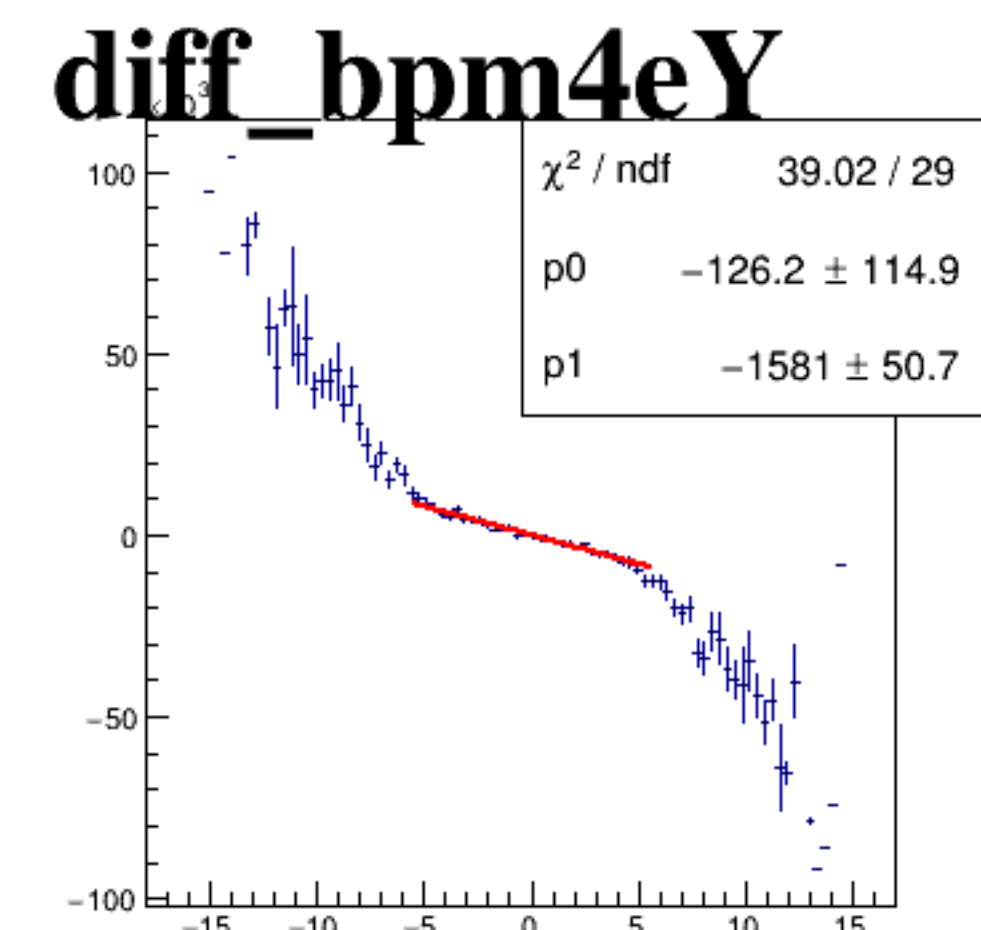
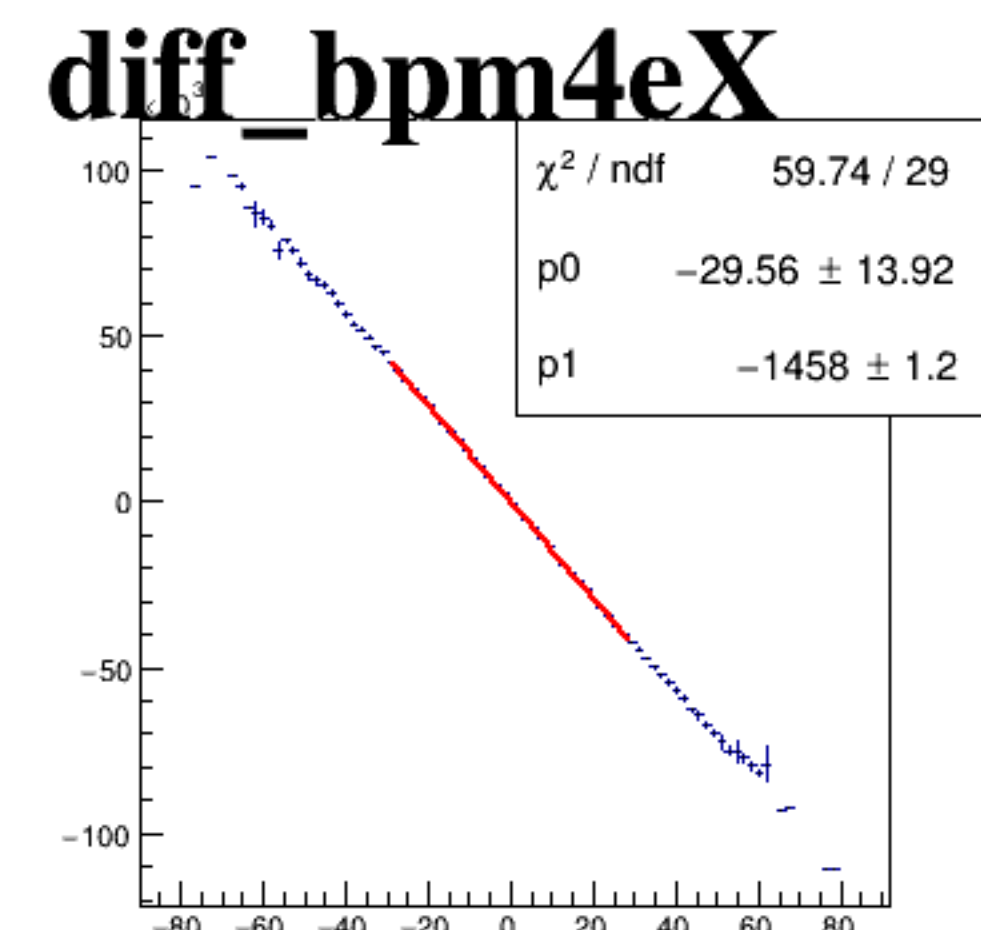
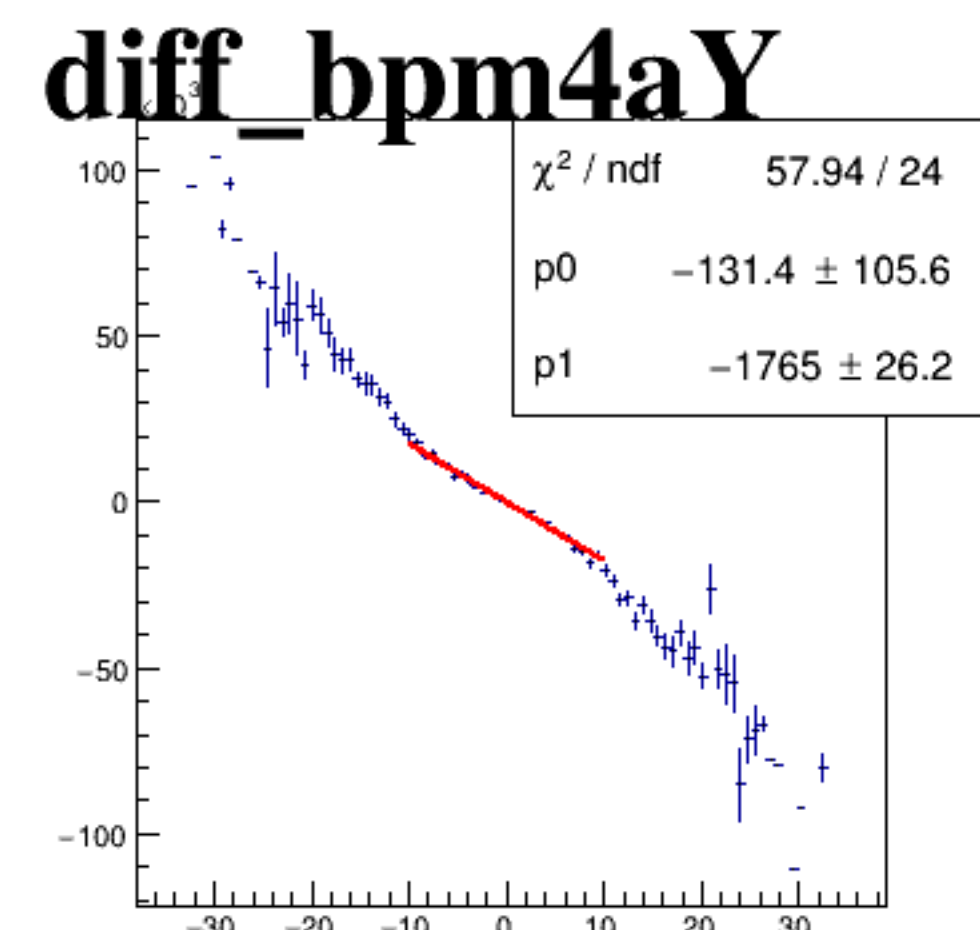
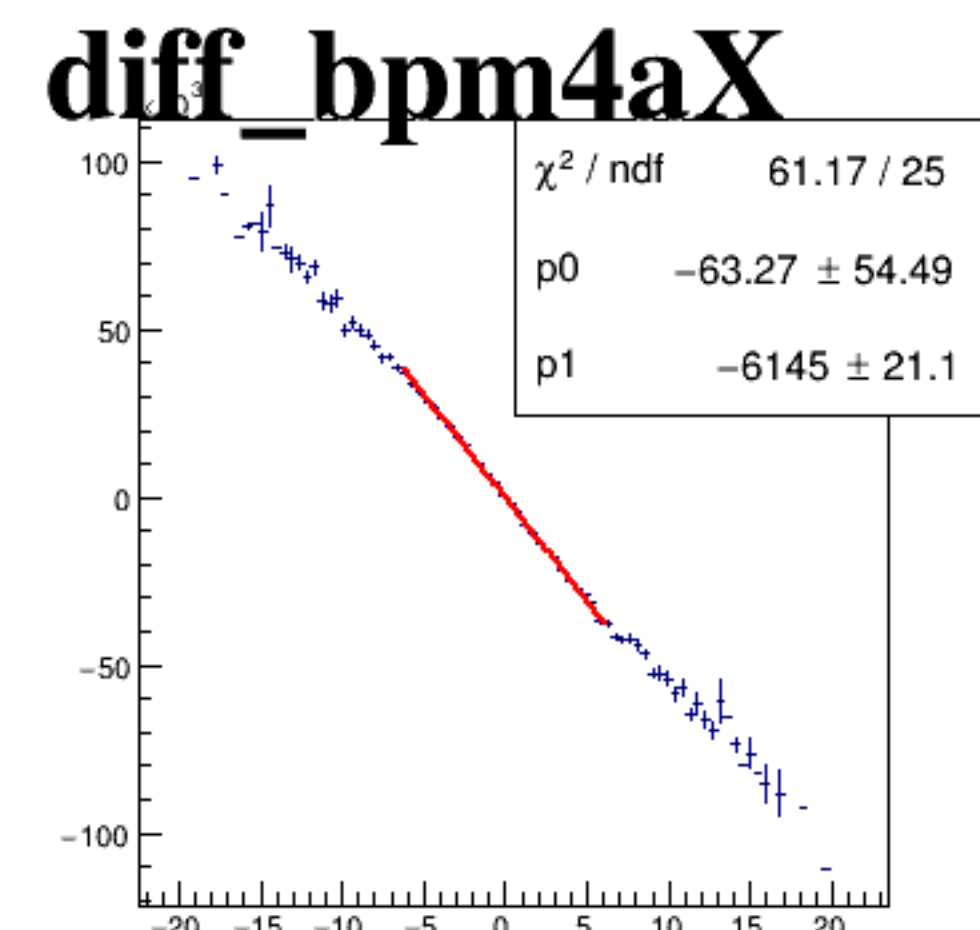
reg_asym_sam7



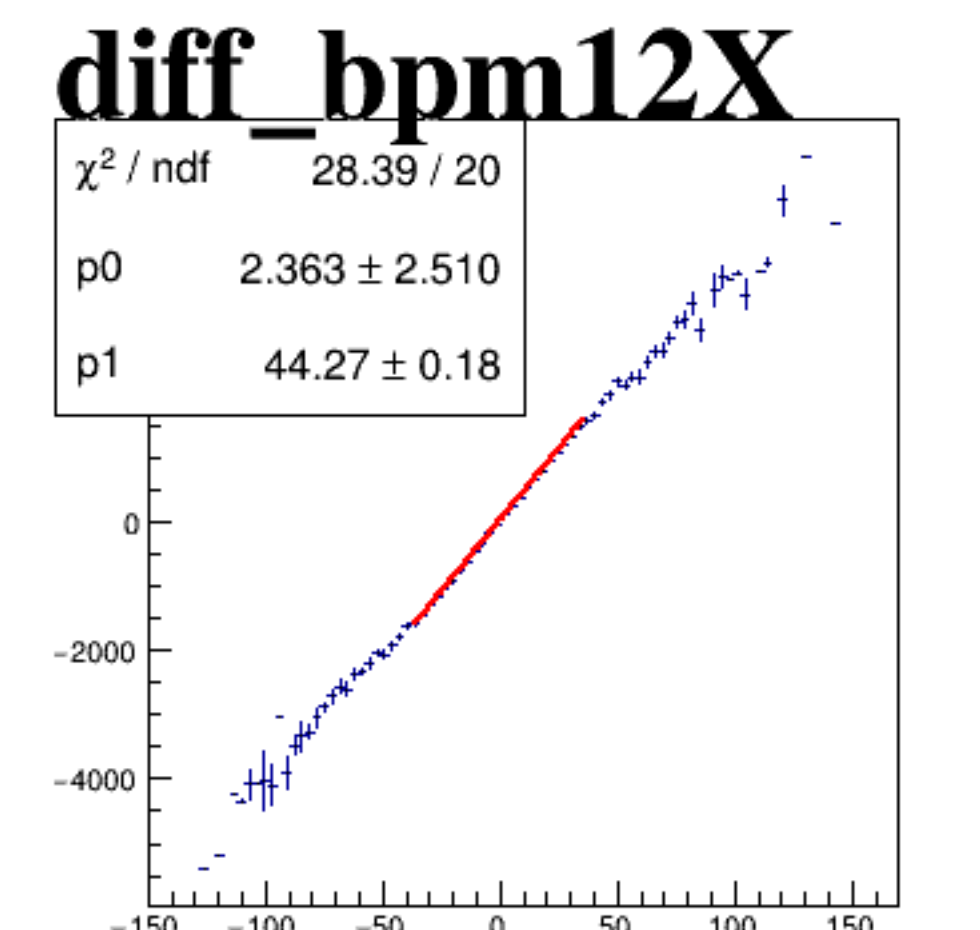
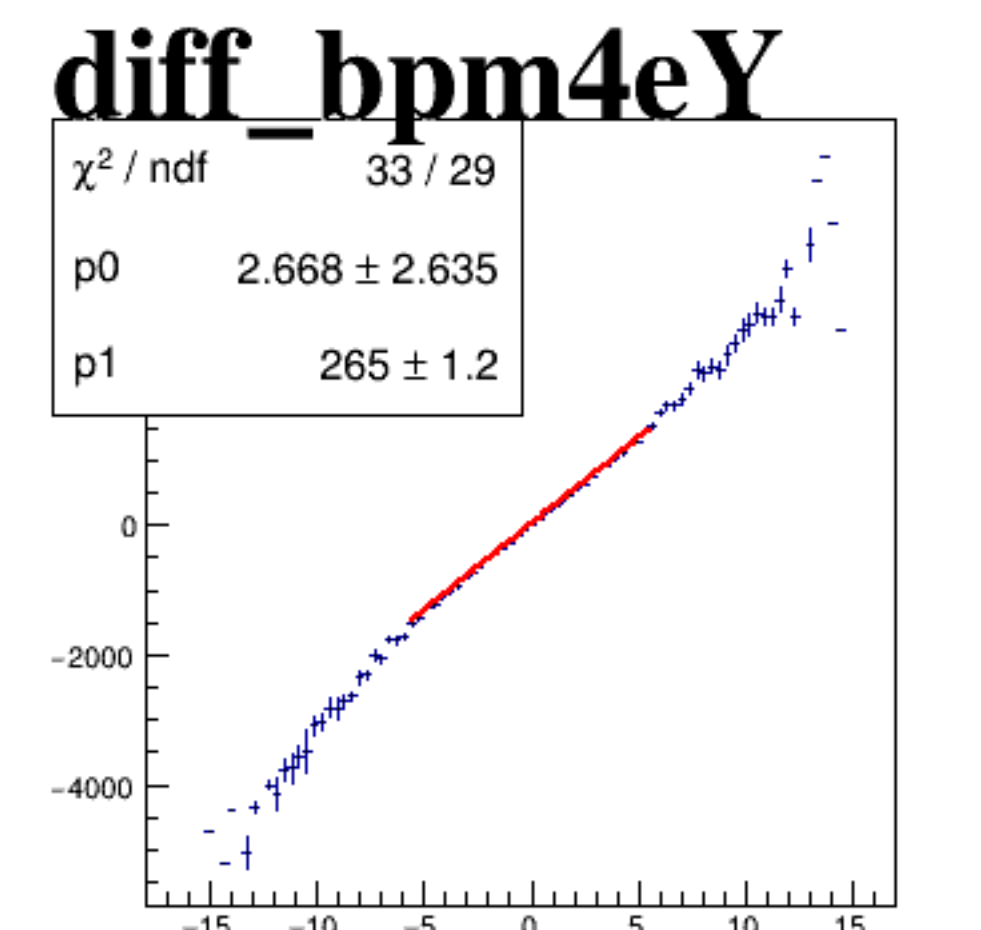
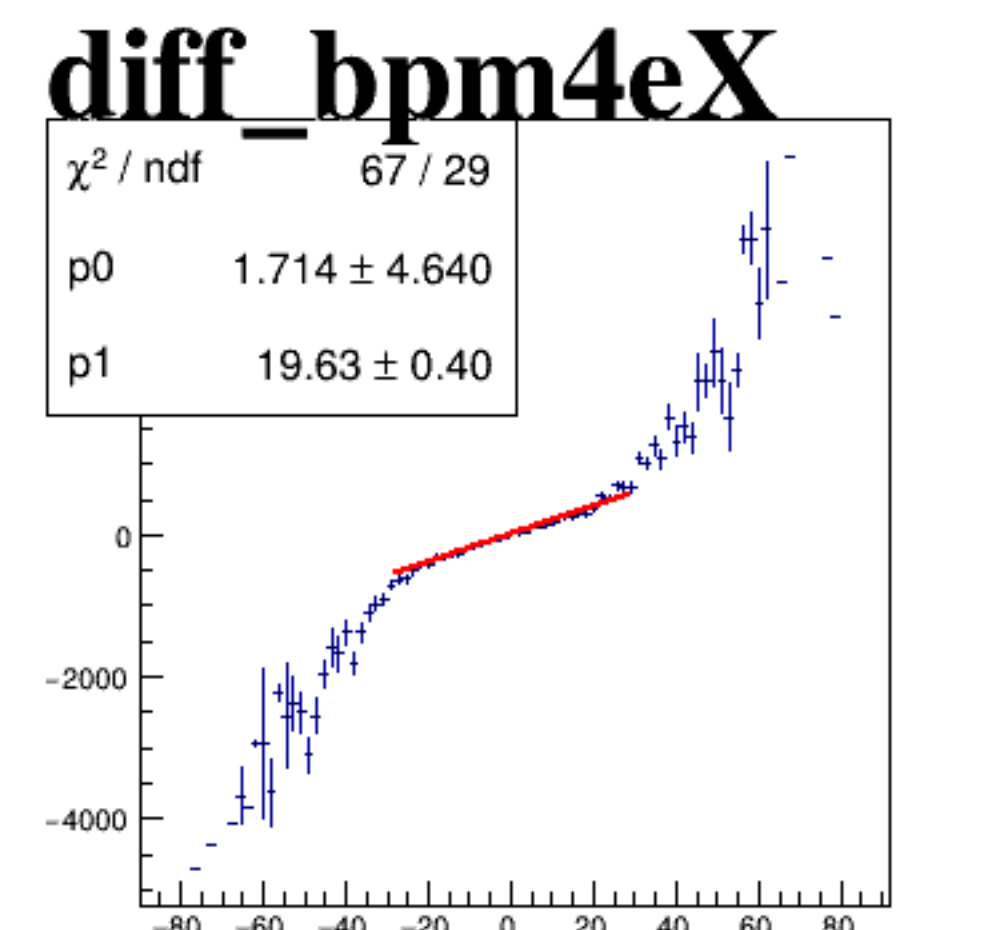
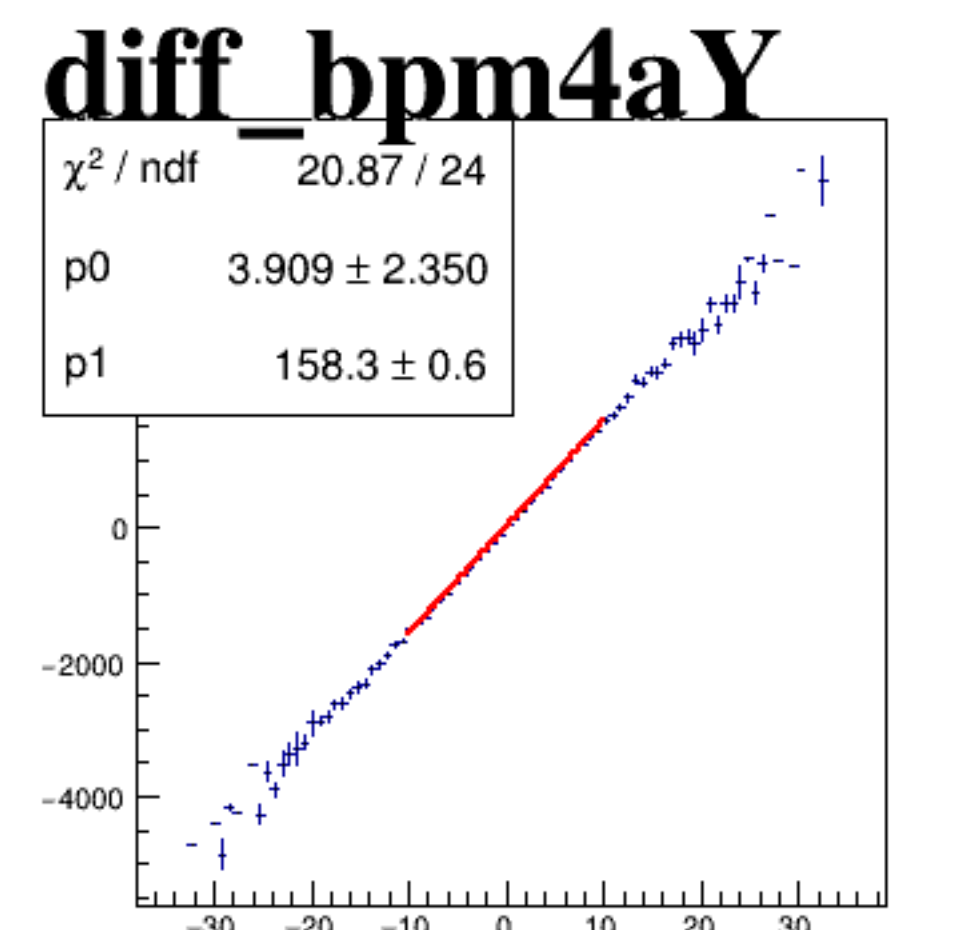
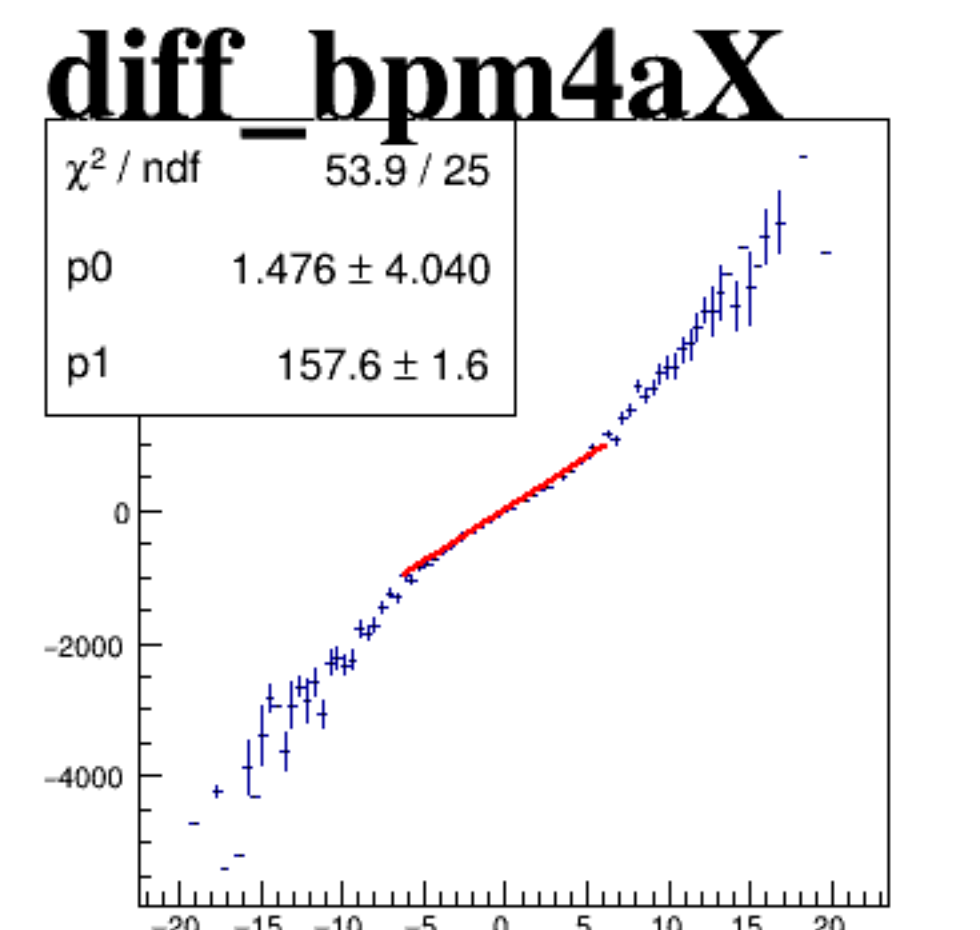
asym_sam1



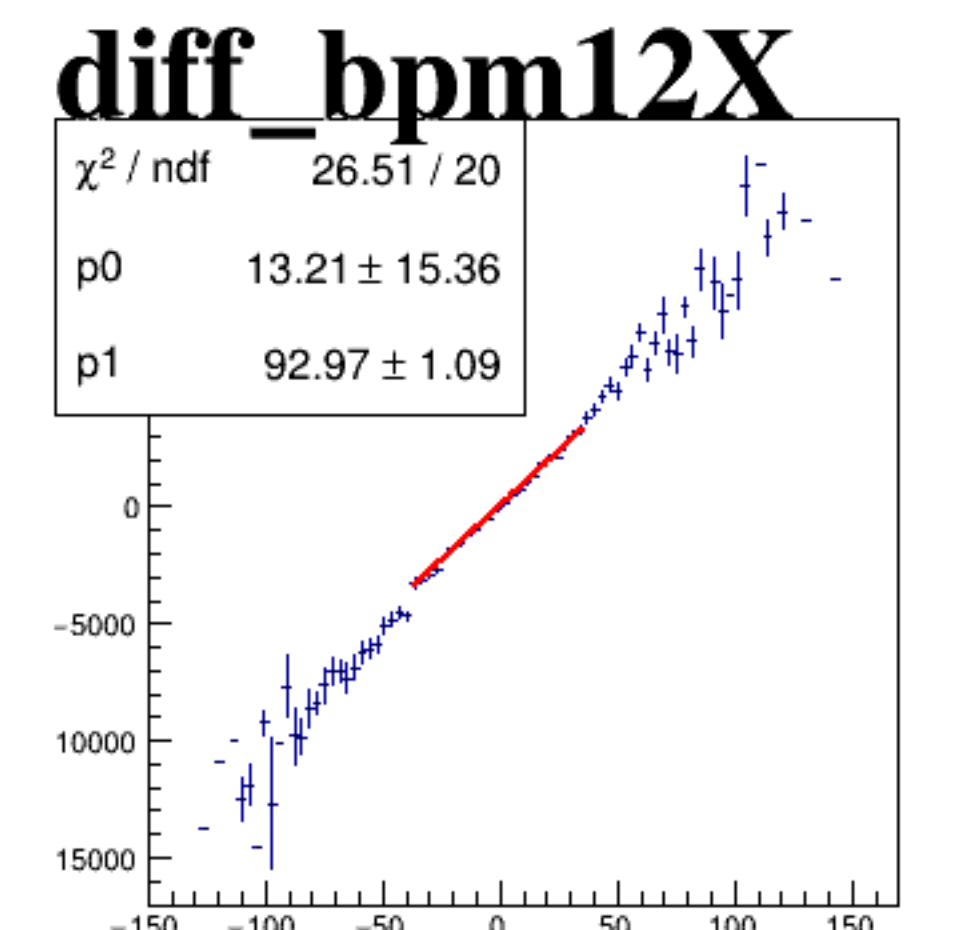
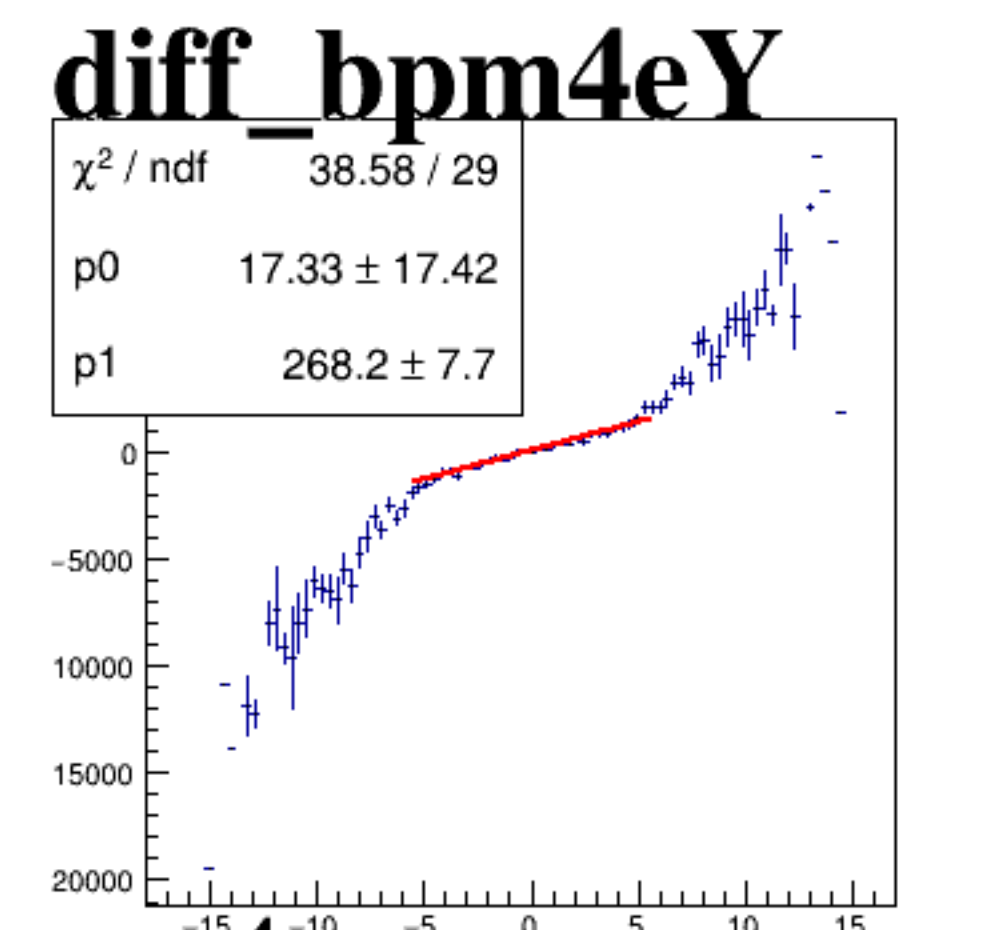
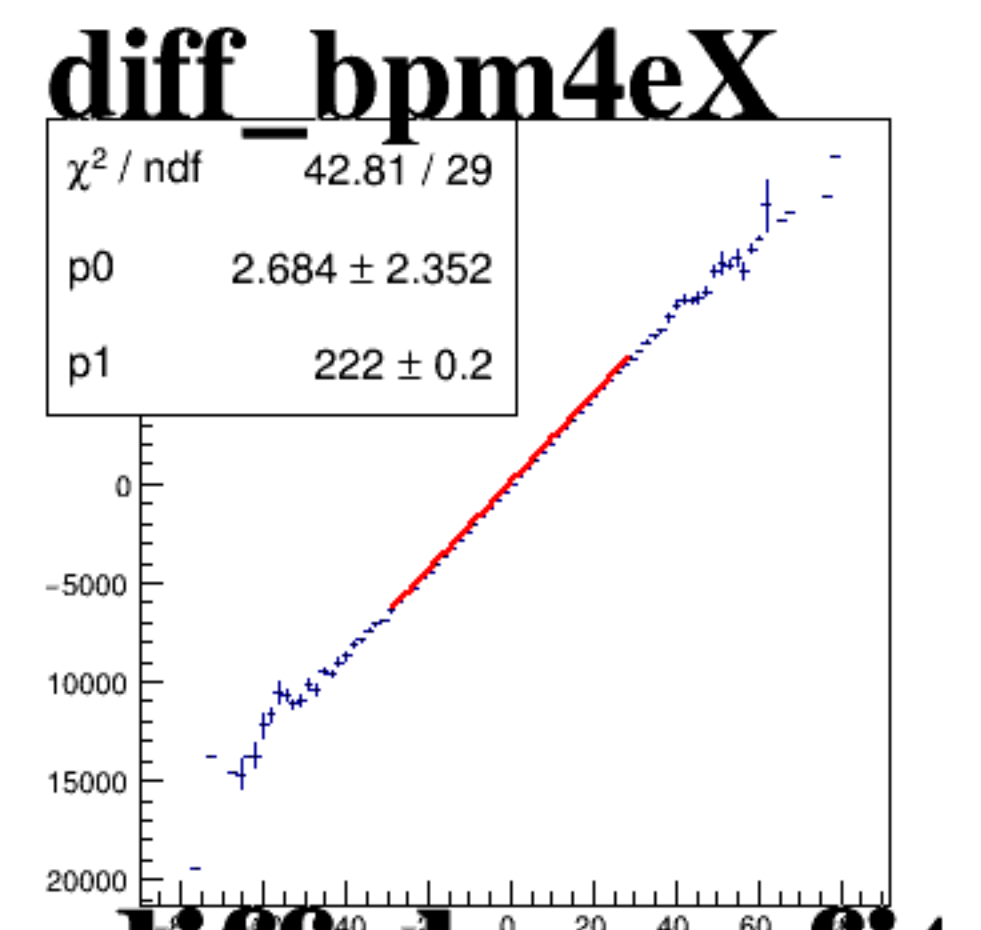
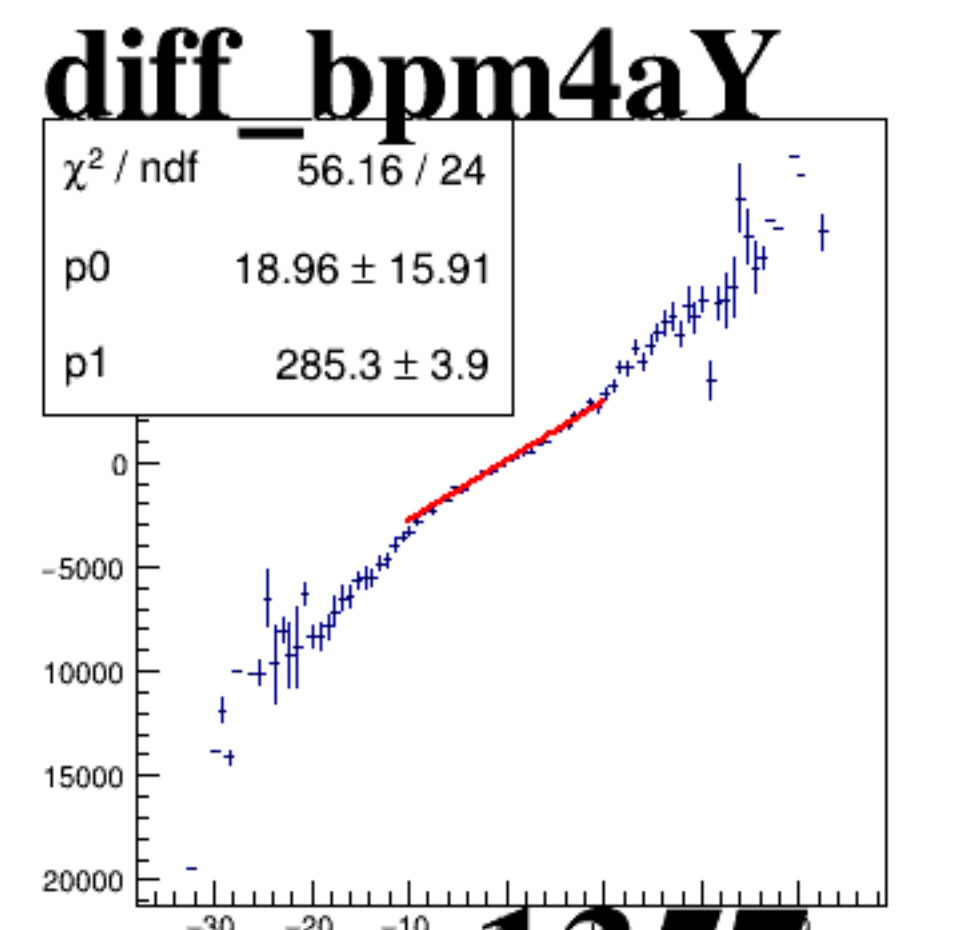
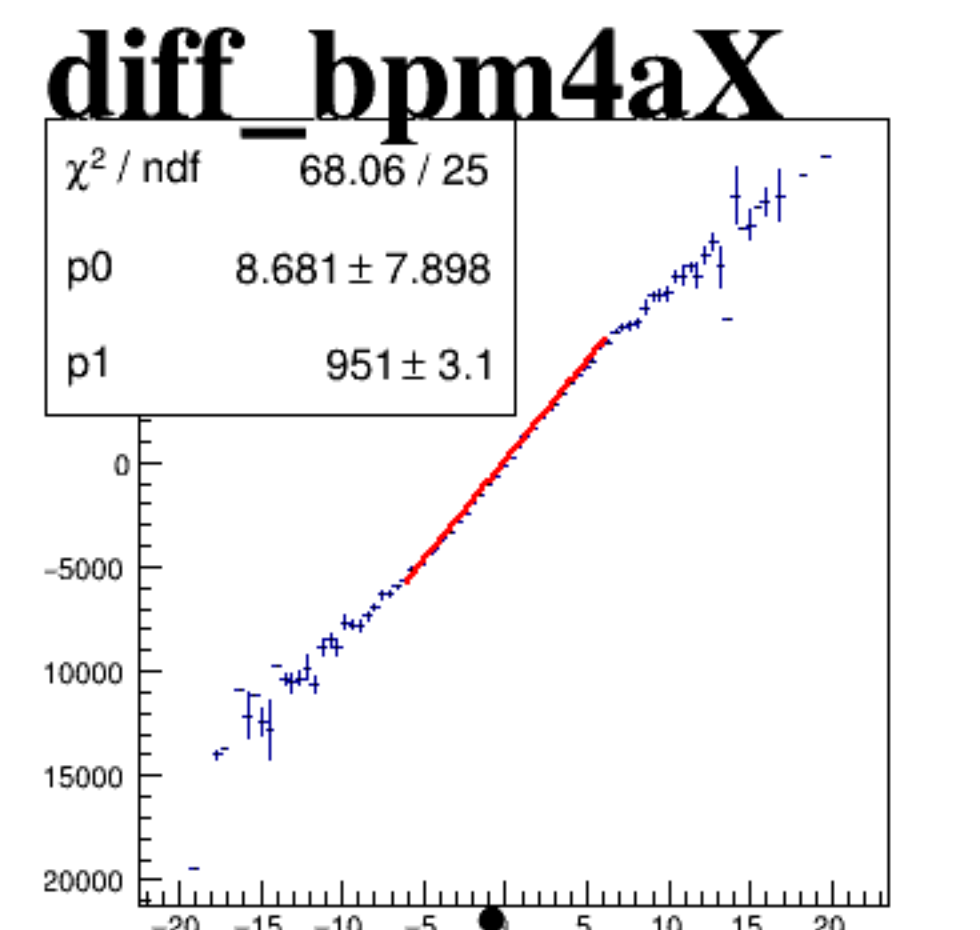
asym_sam3



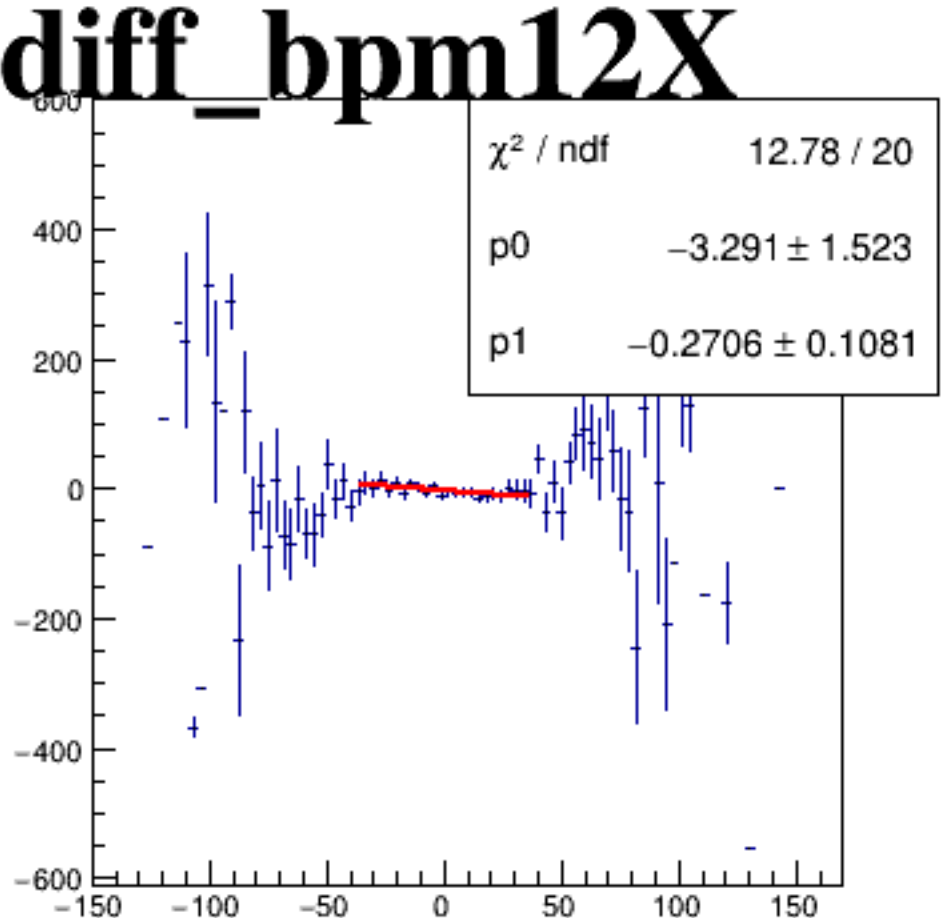
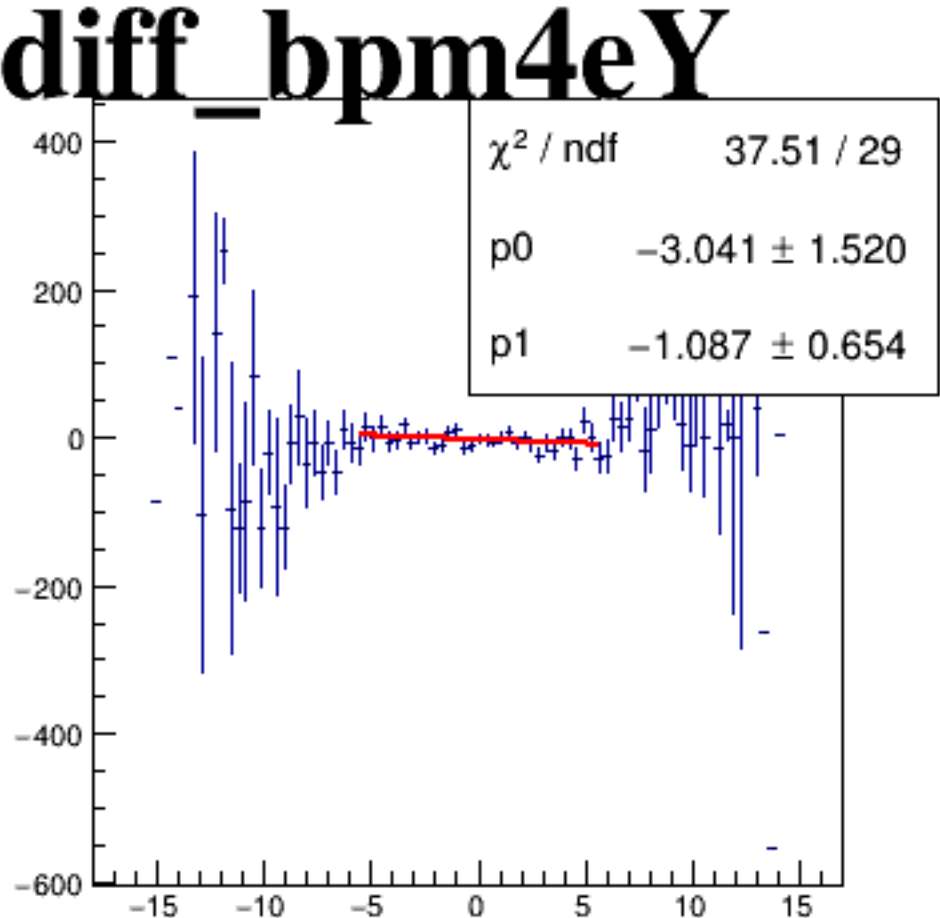
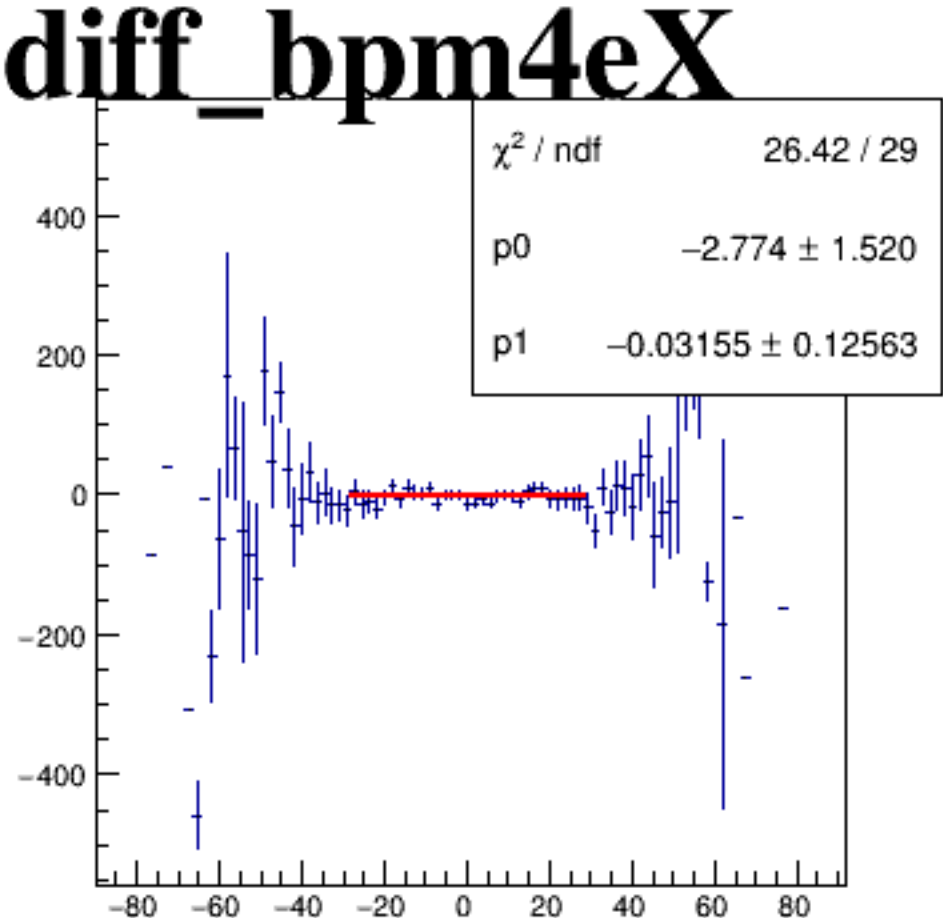
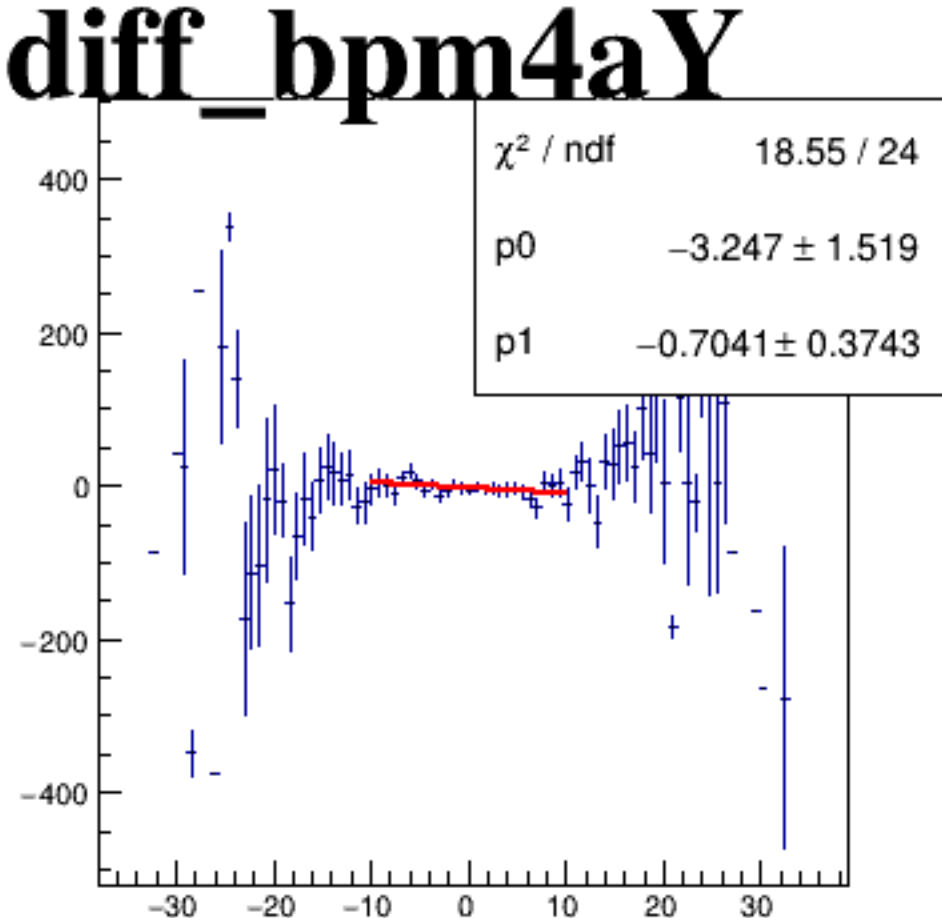
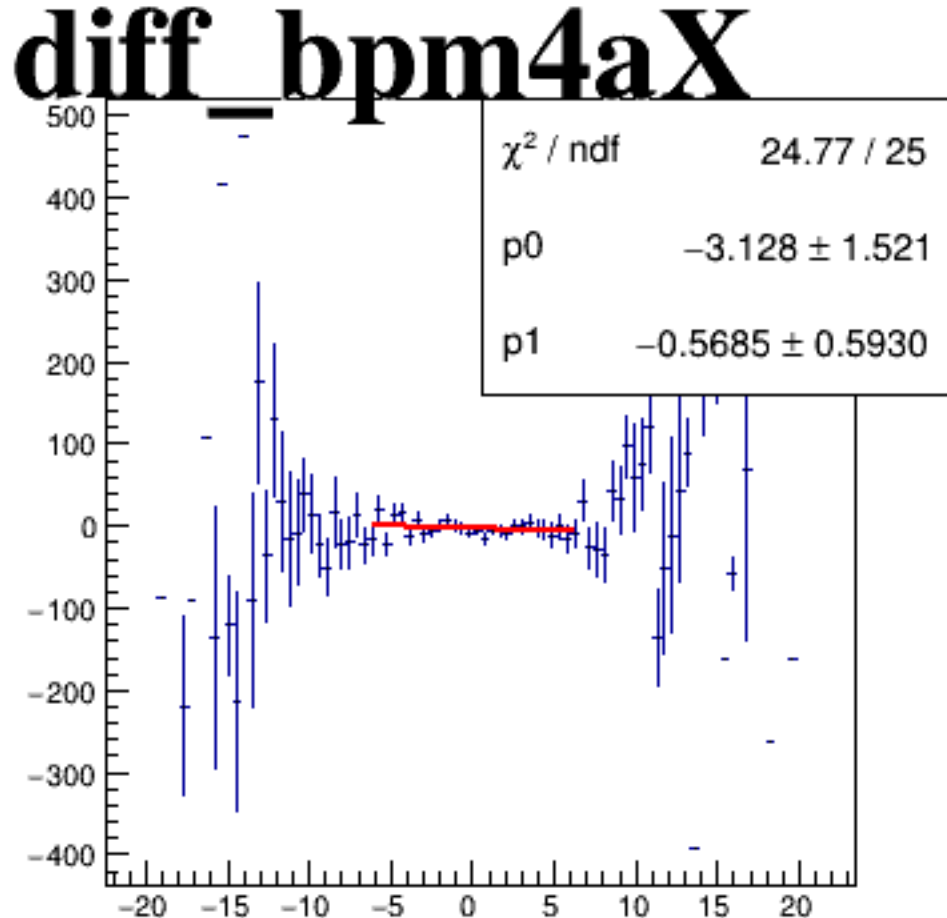
asym_sam5



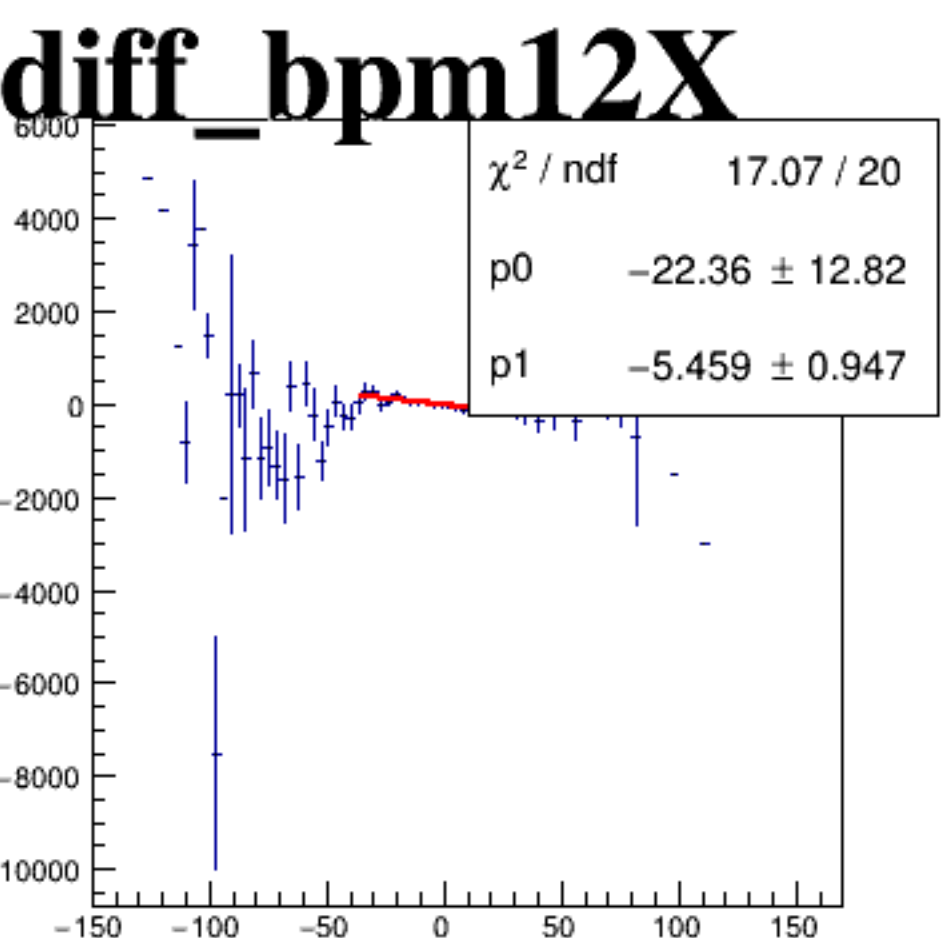
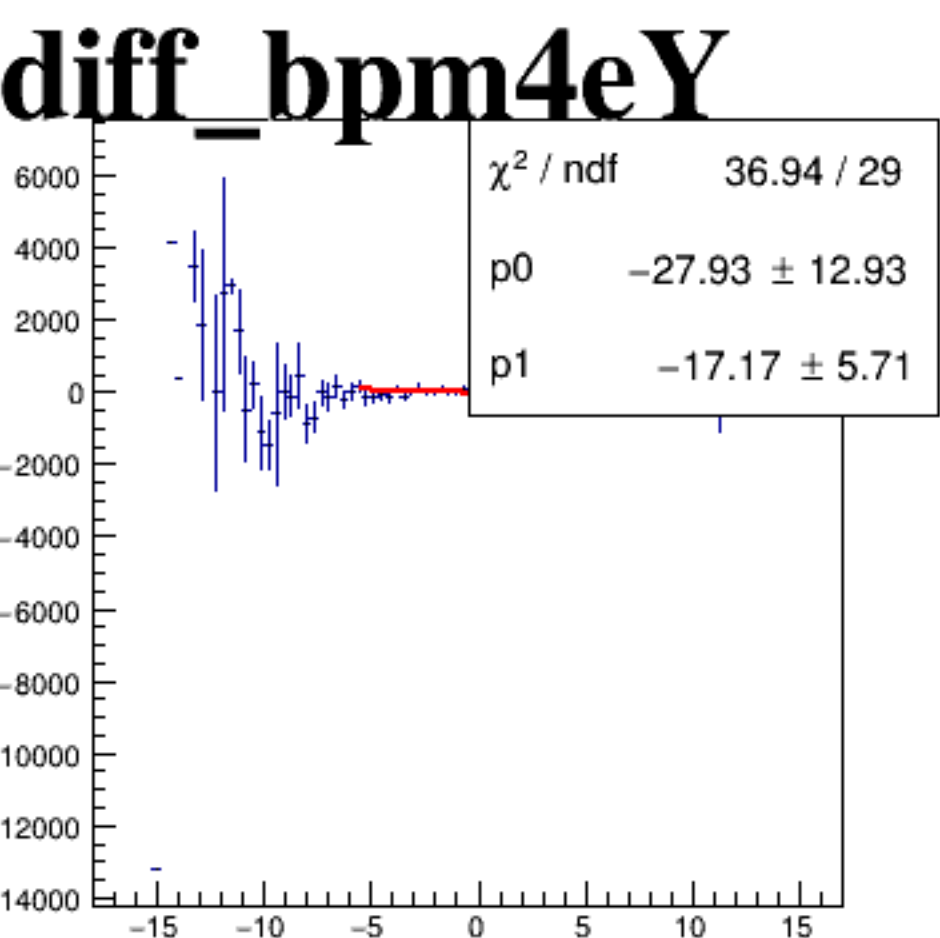
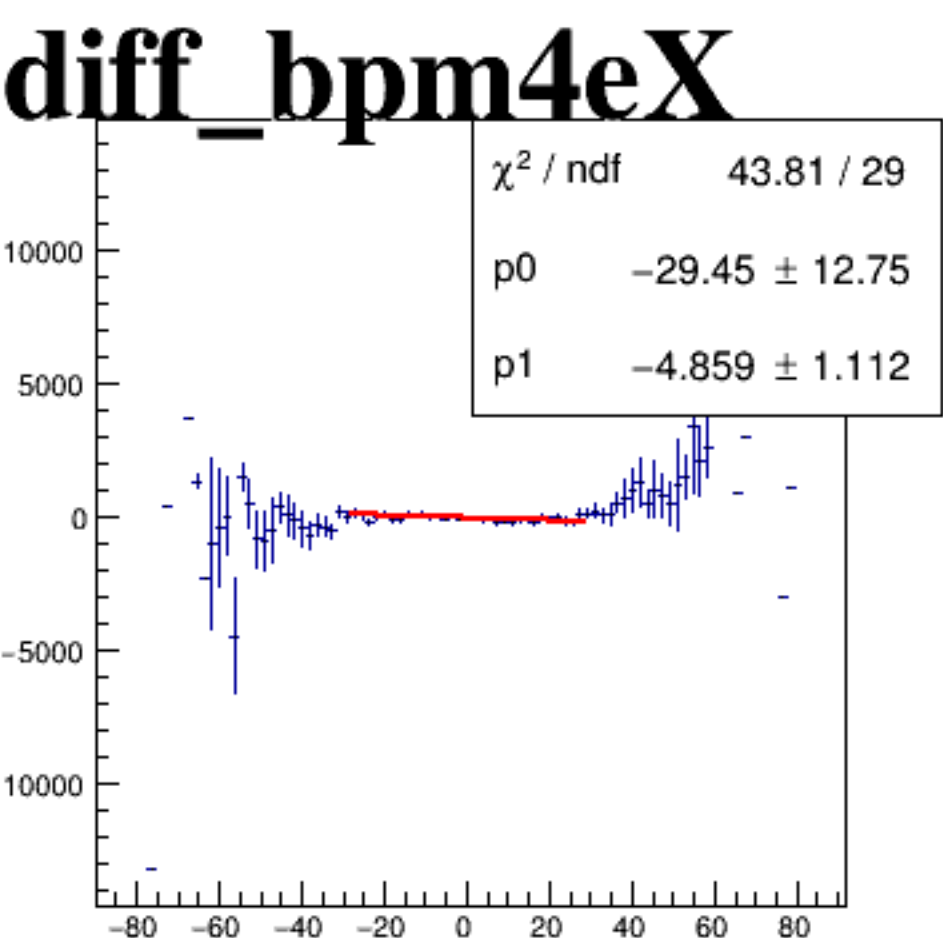
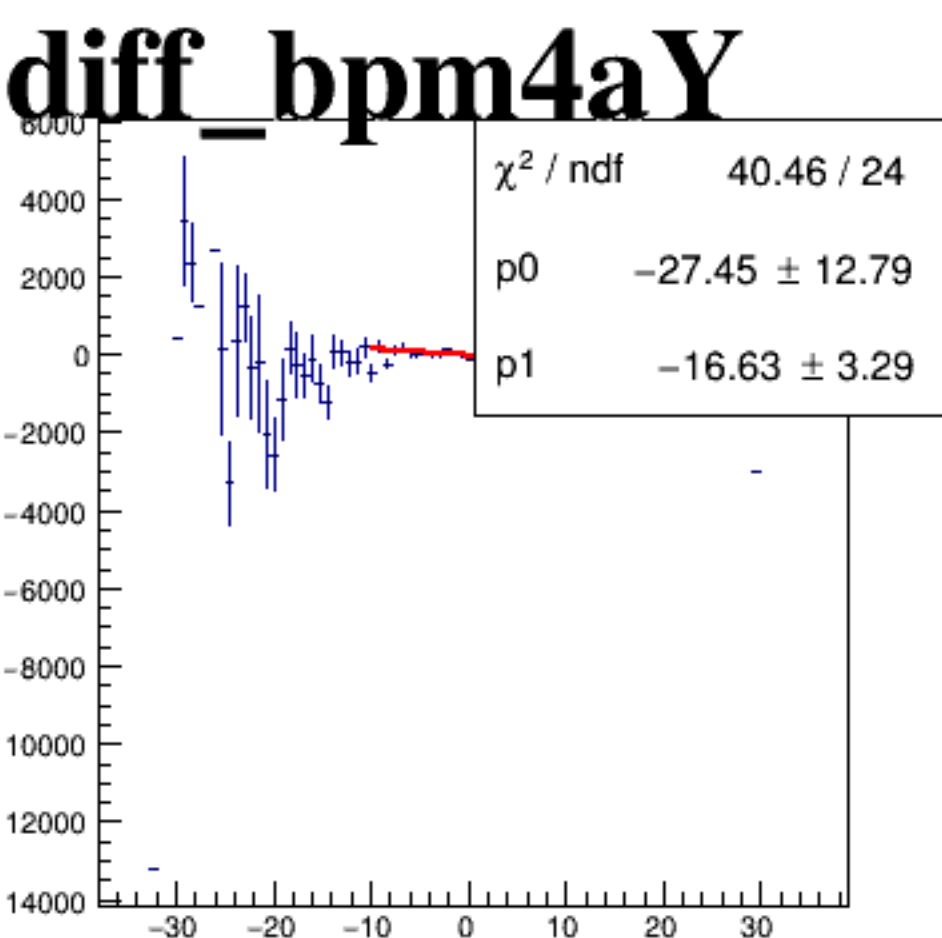
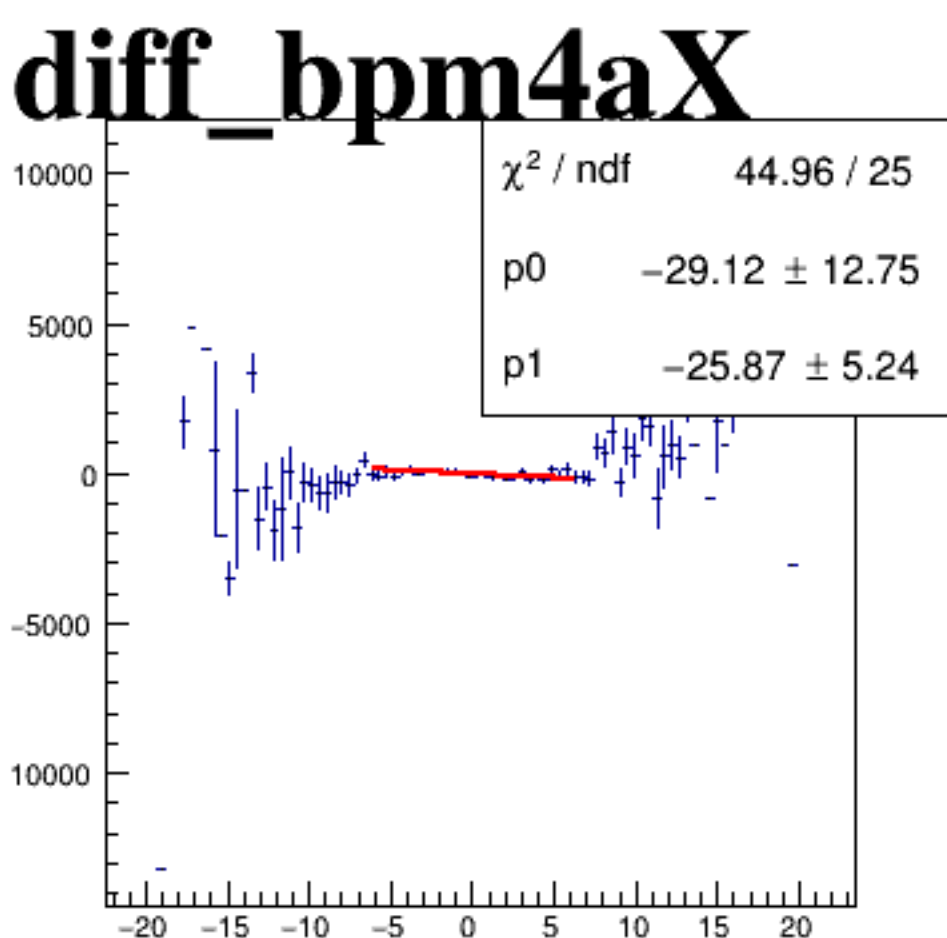
asym_sam7



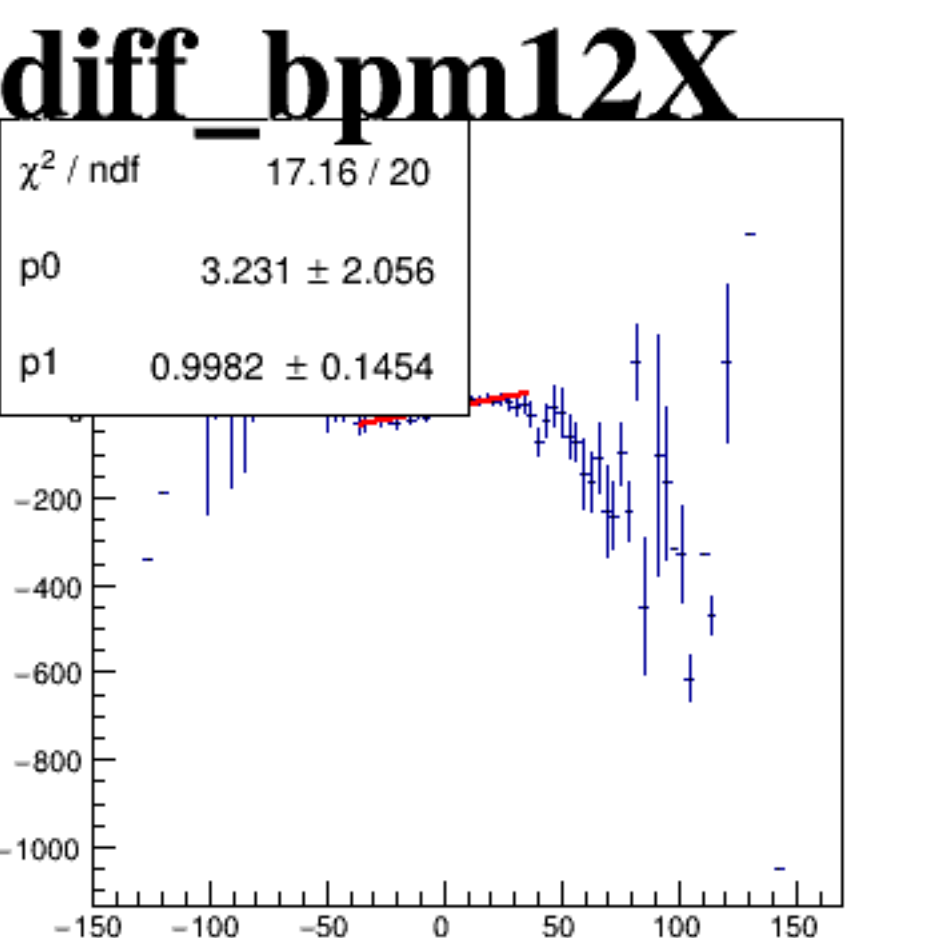
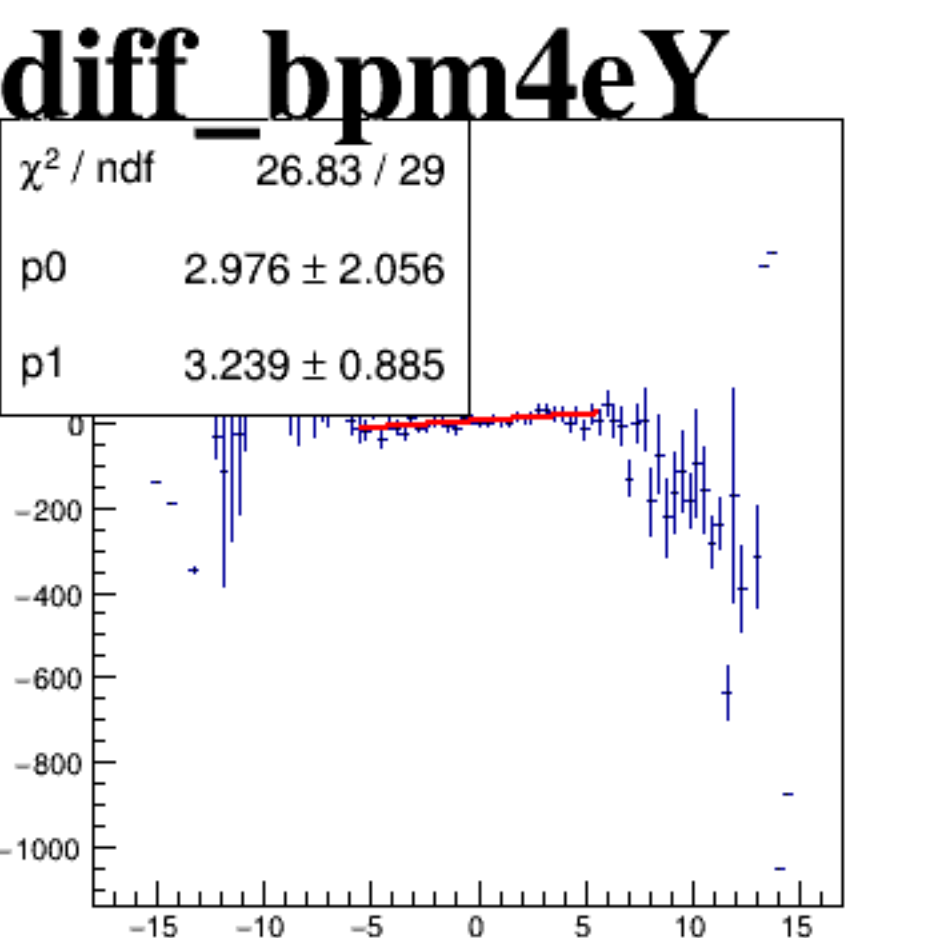
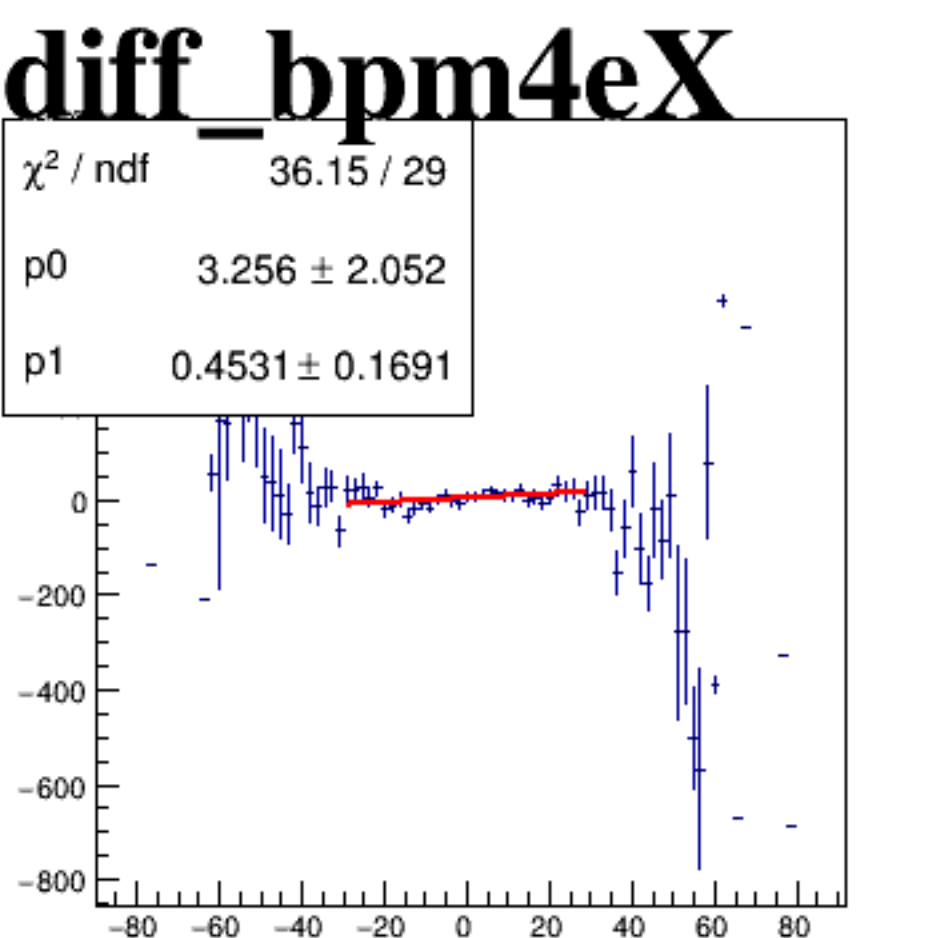
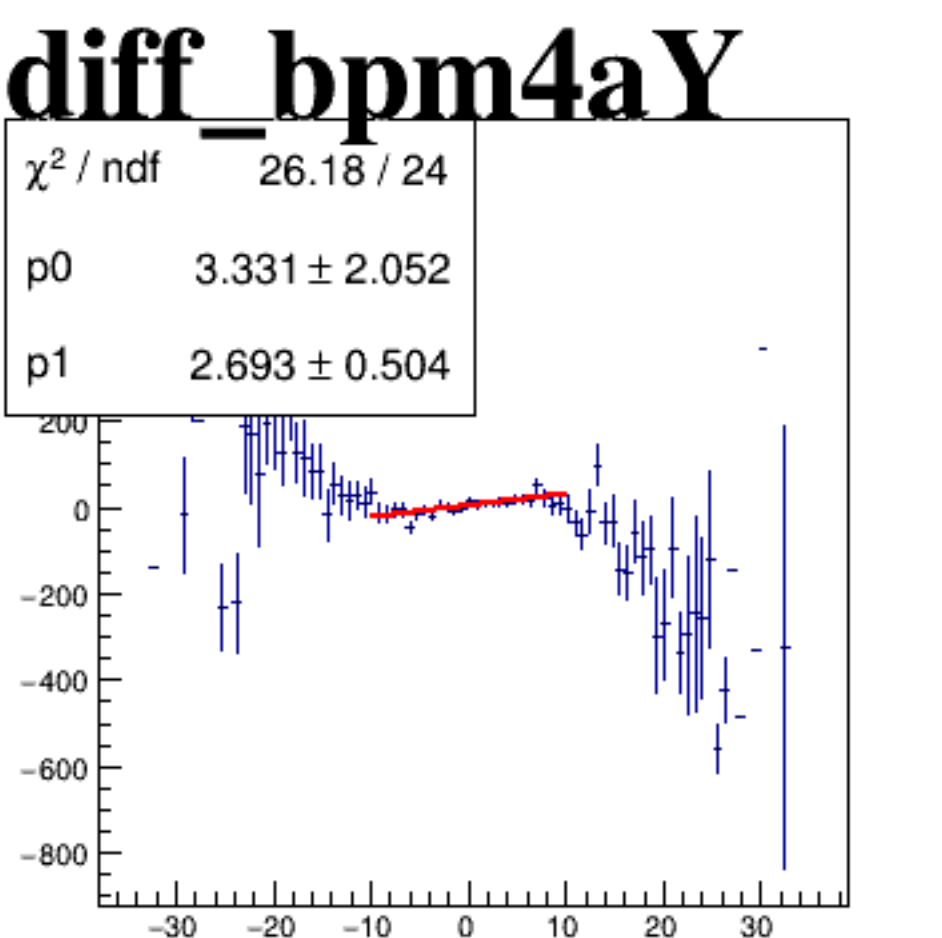
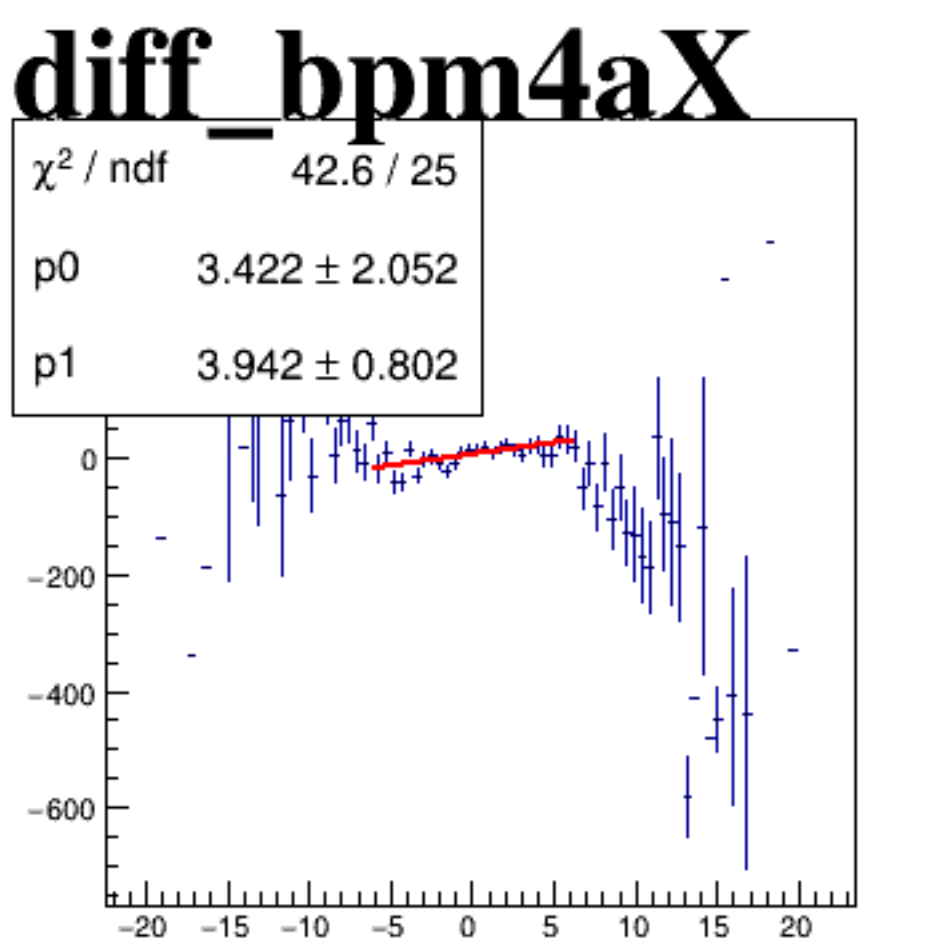
reg_asym_sam1



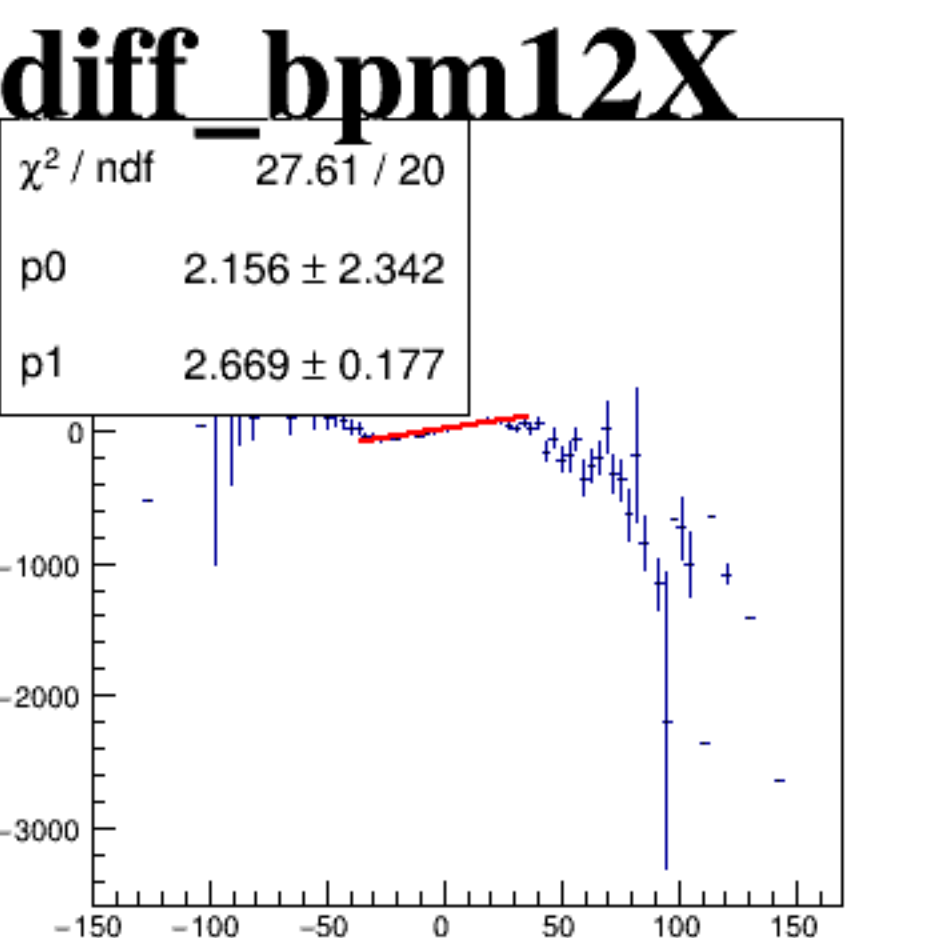
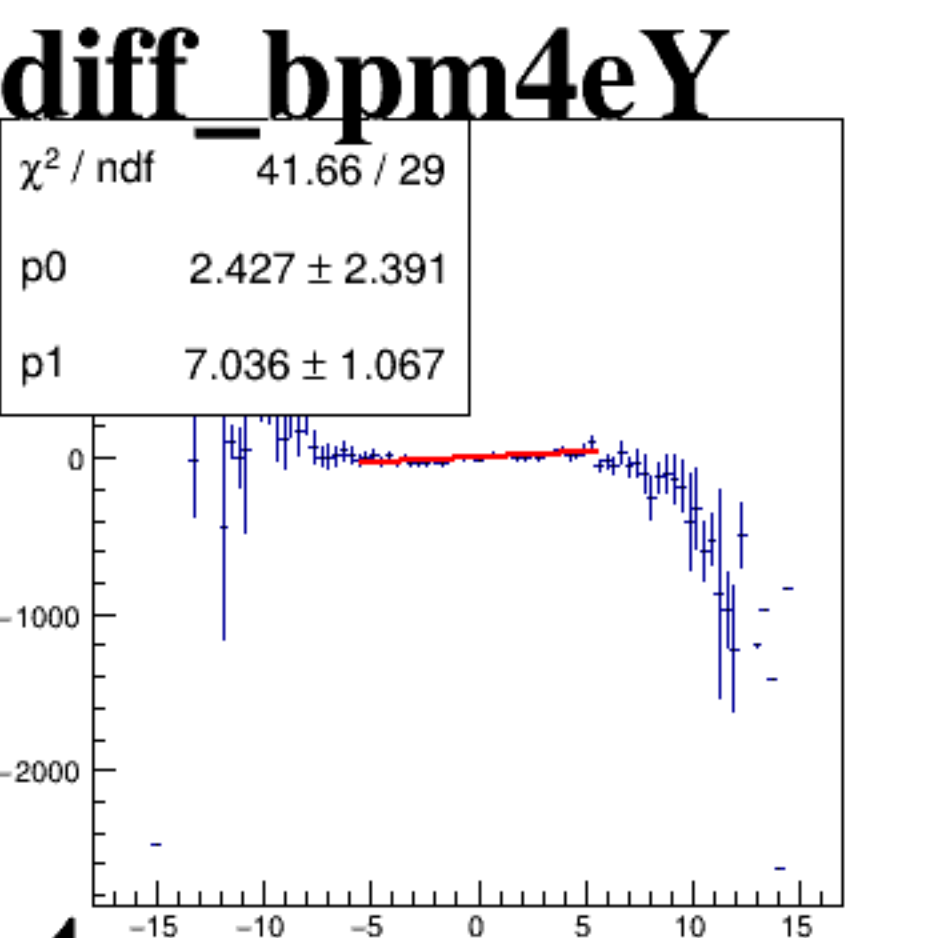
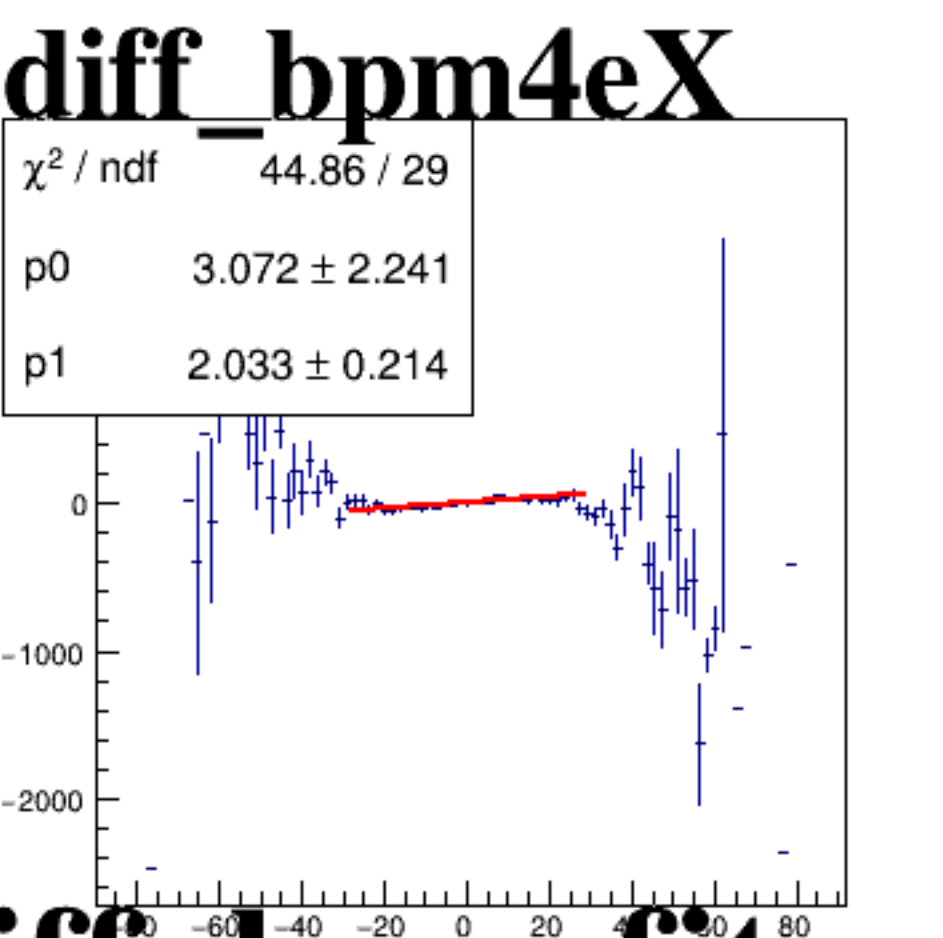
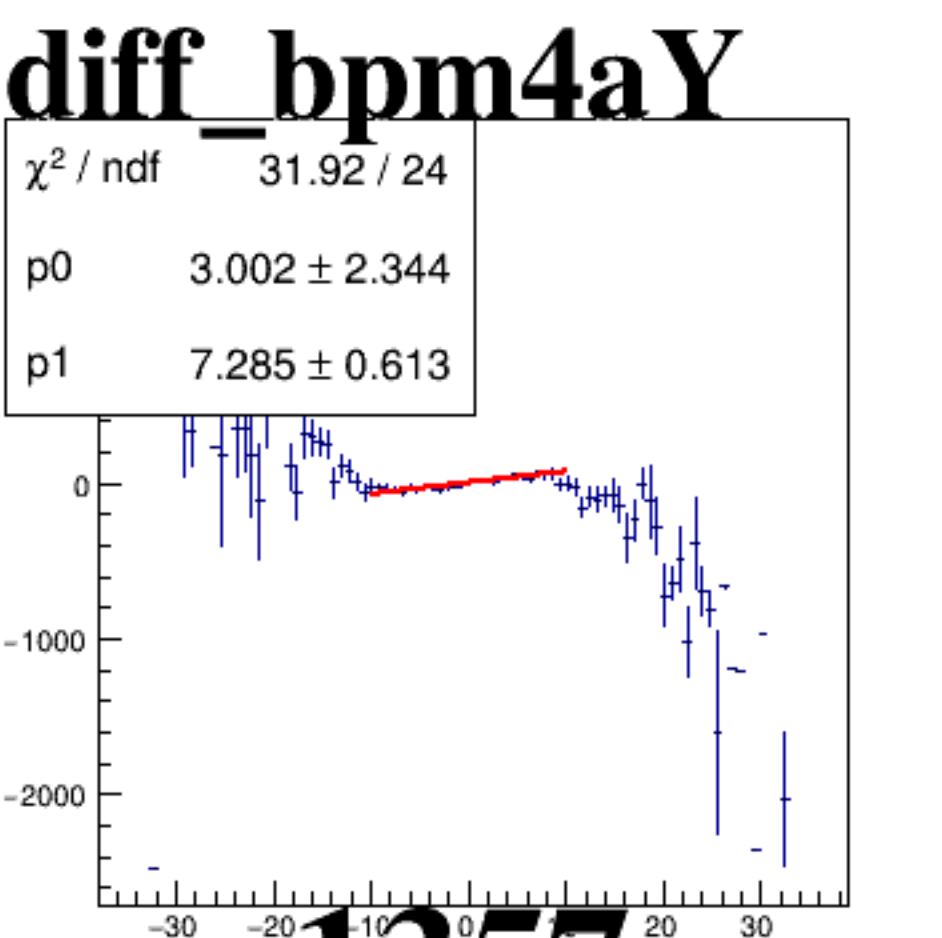
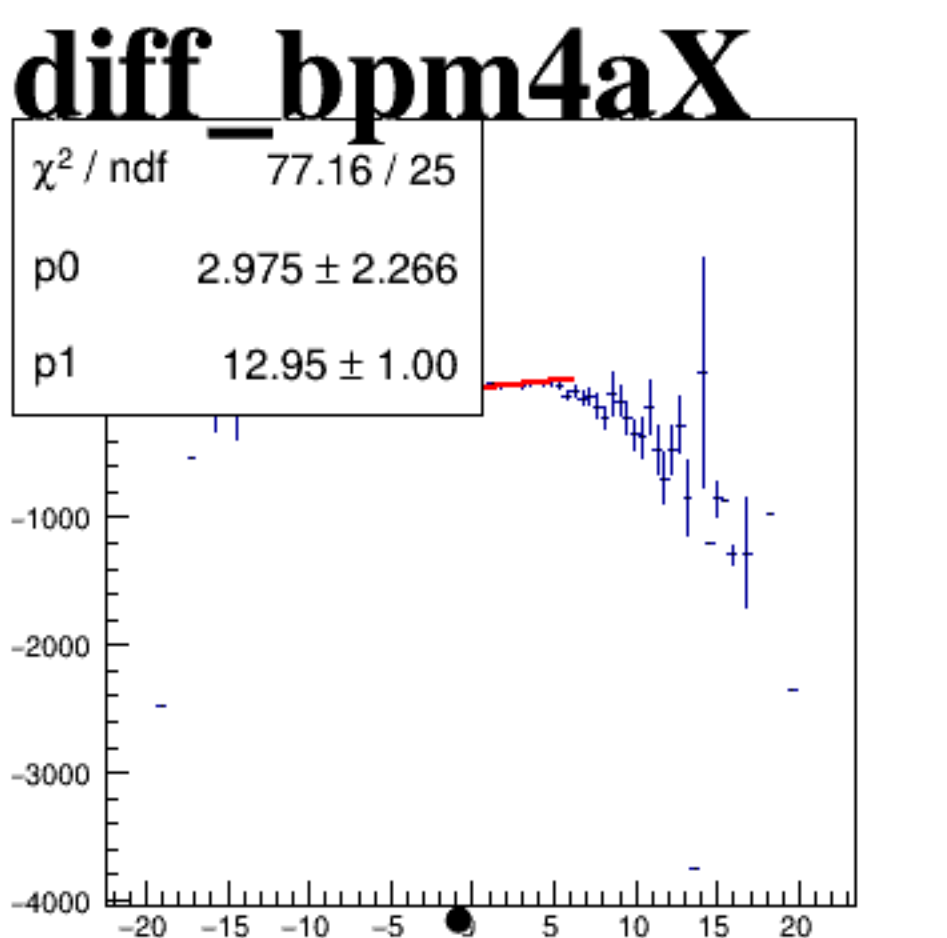
reg_asym_sam3



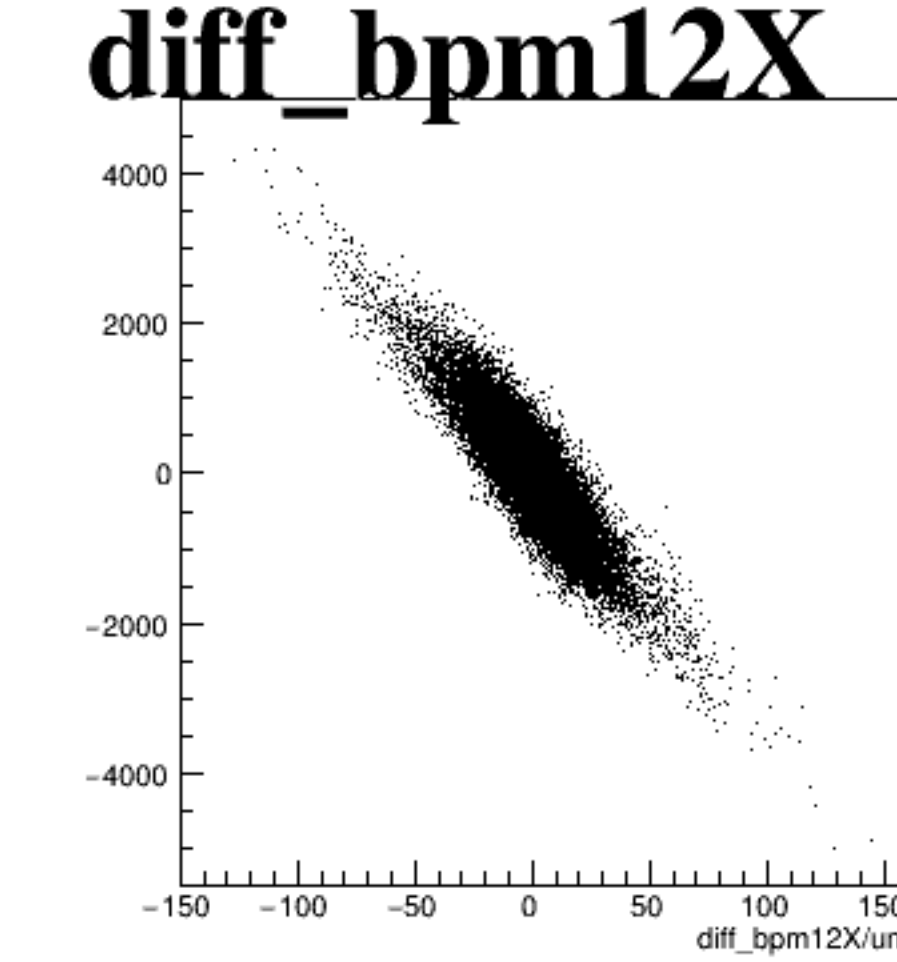
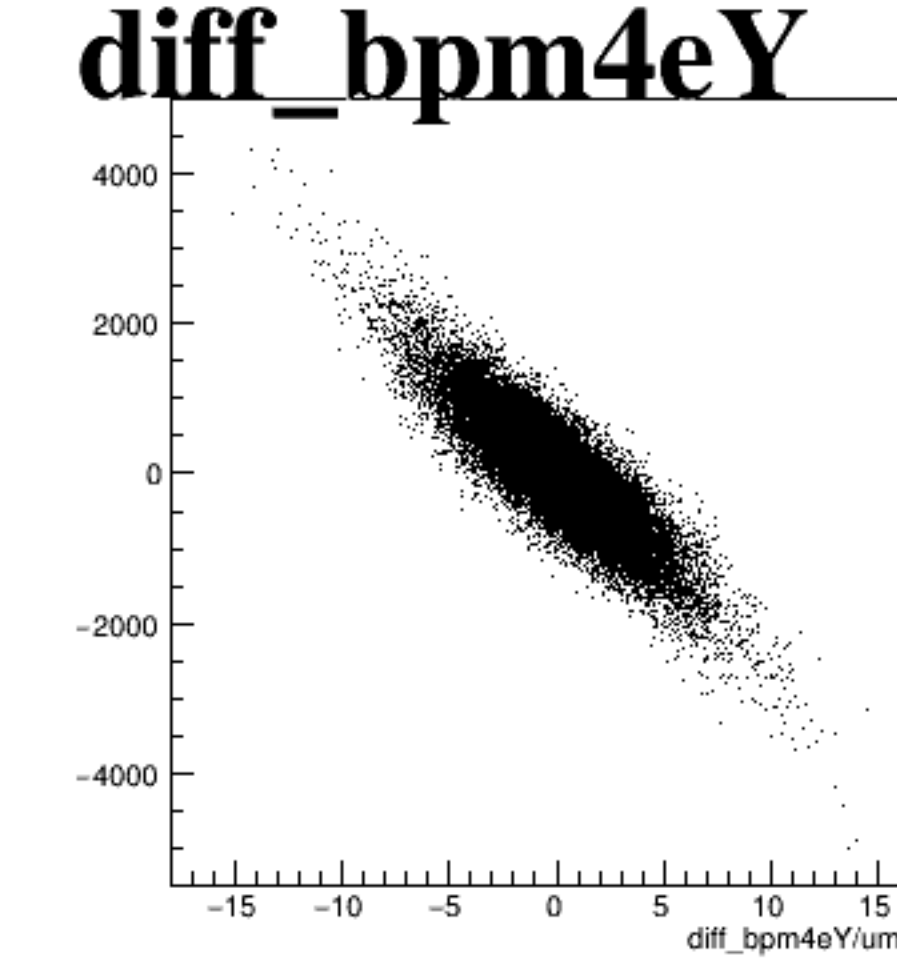
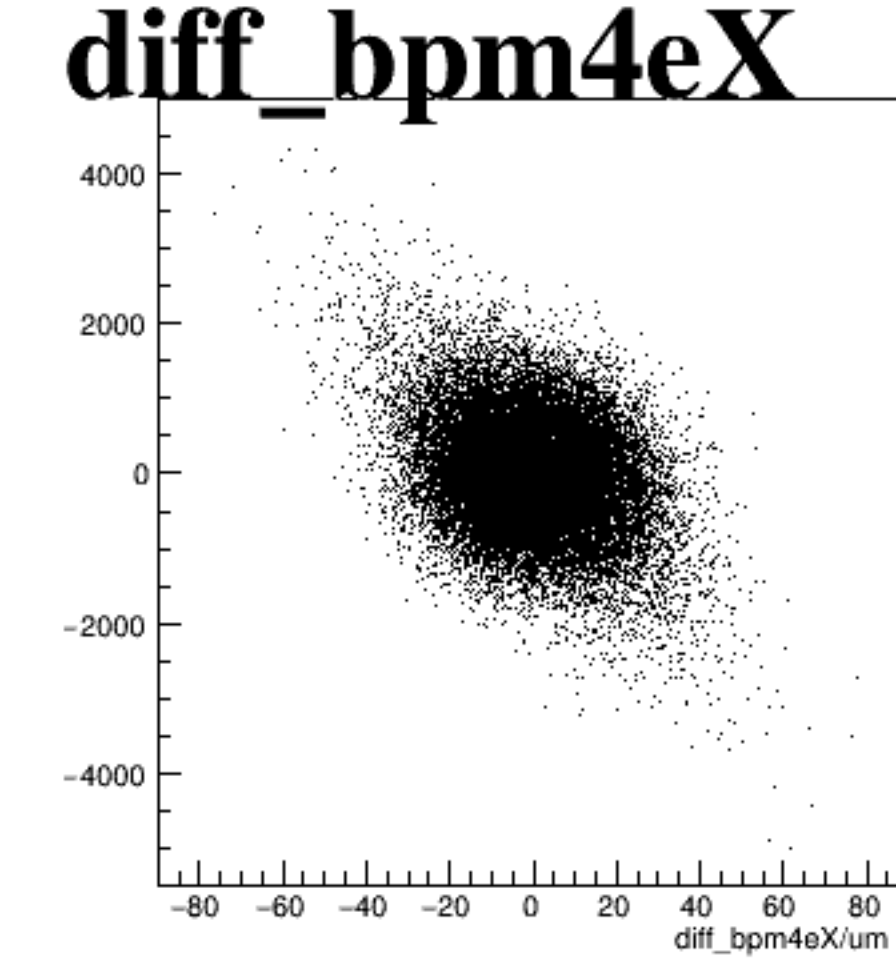
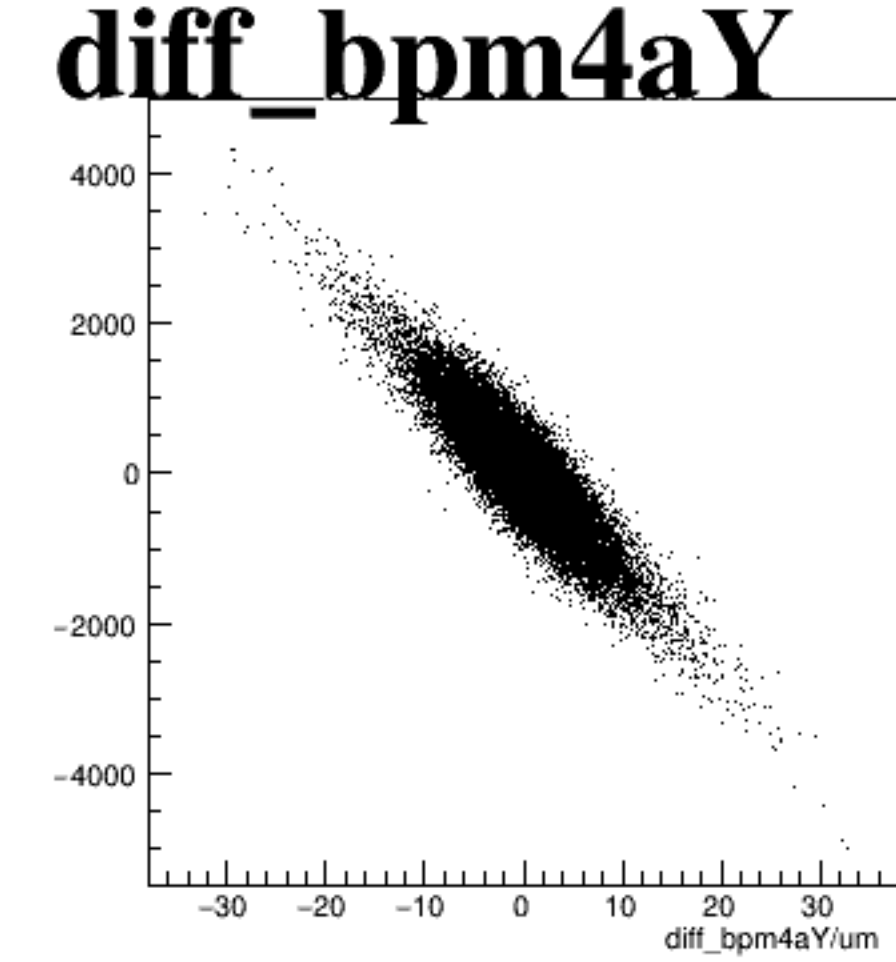
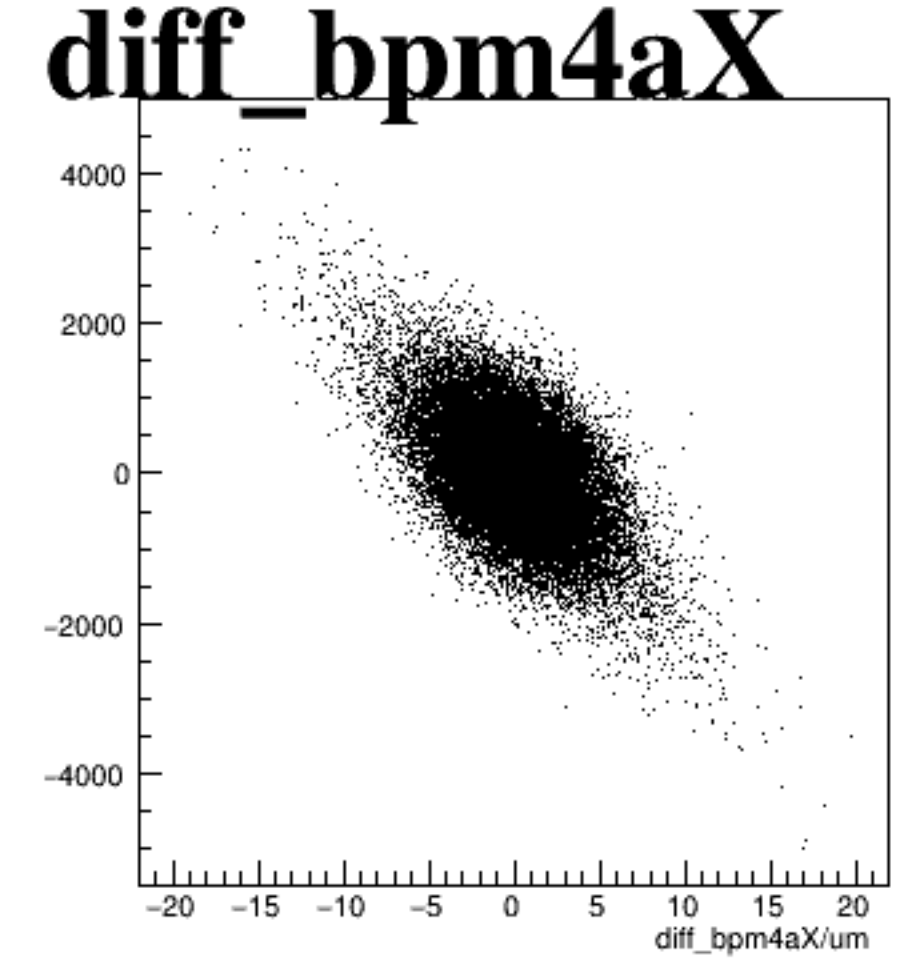
reg_asym_sam5



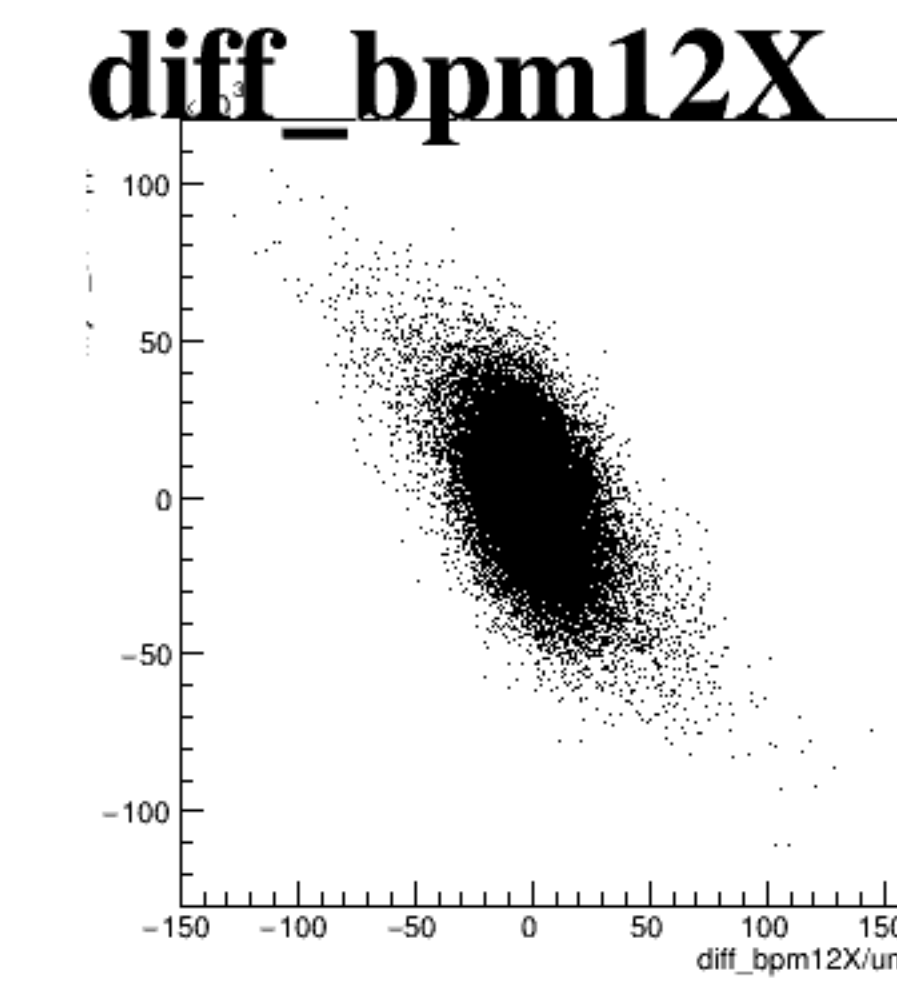
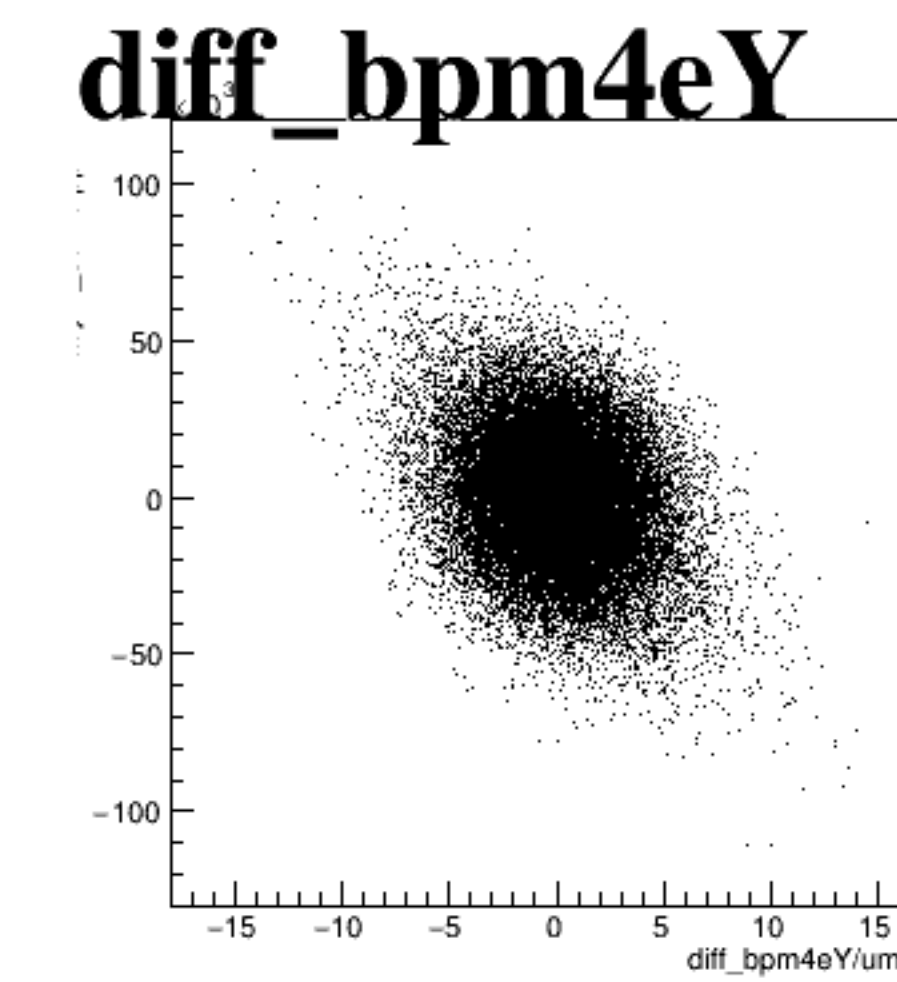
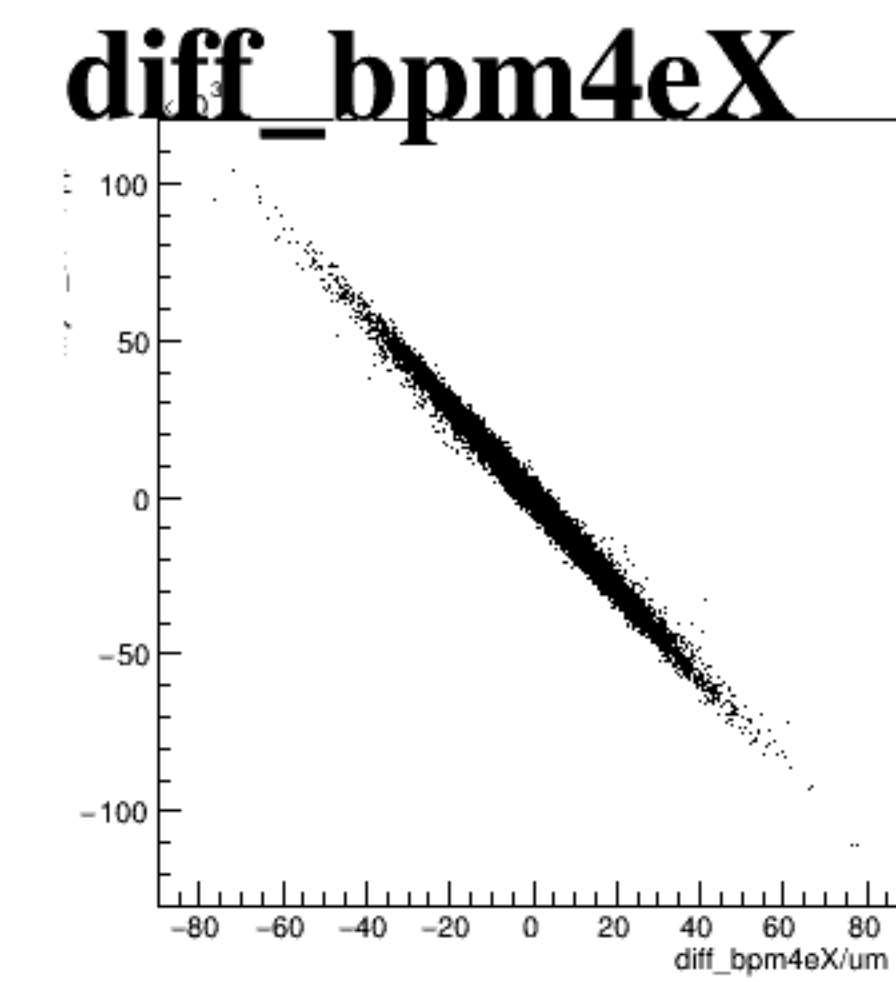
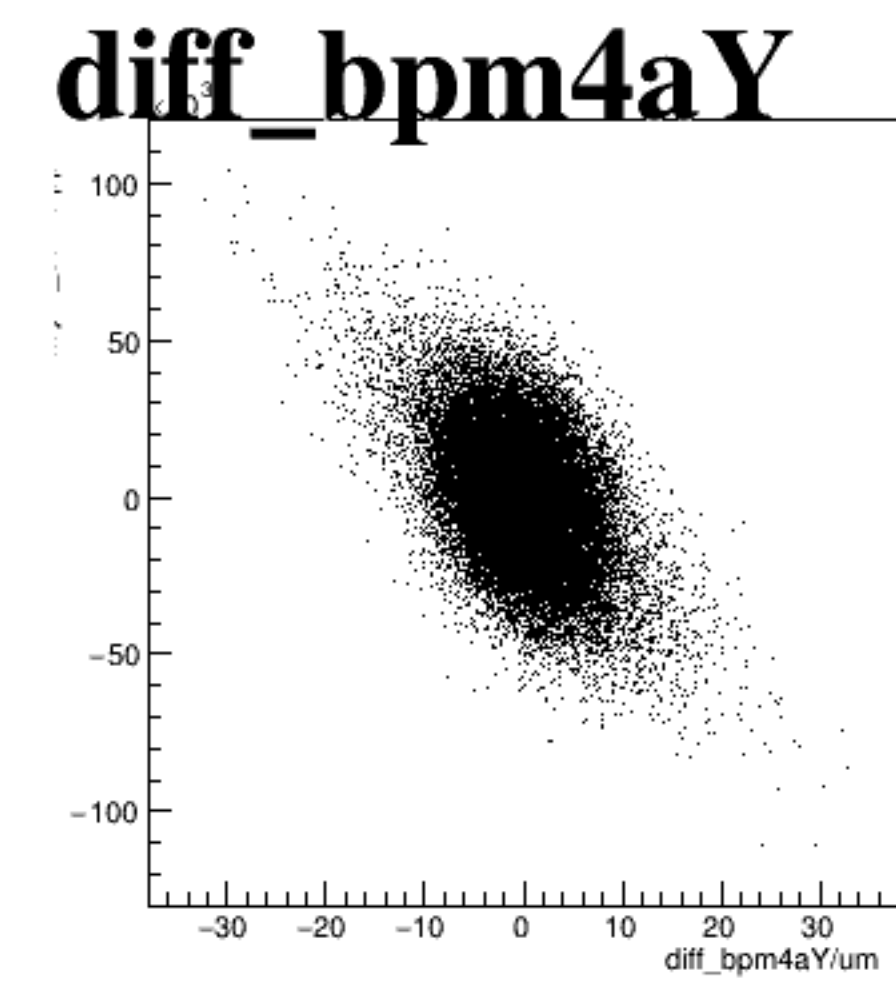
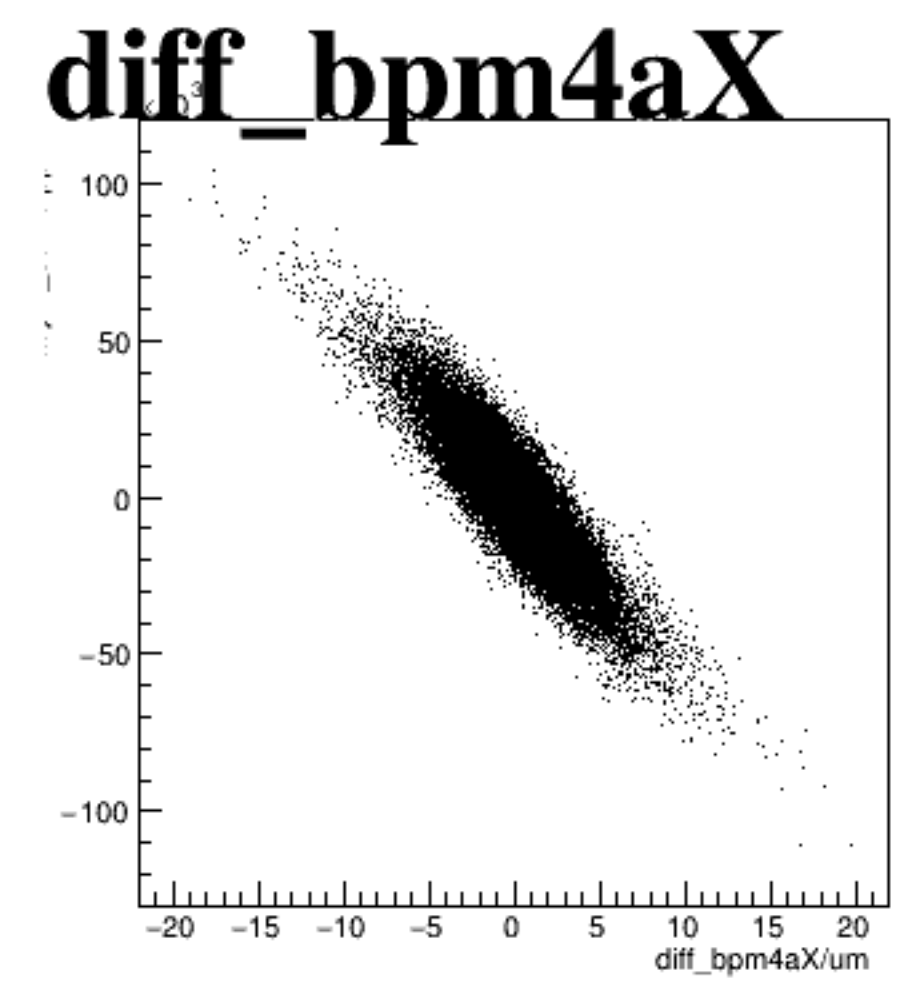
reg_asym_sam7



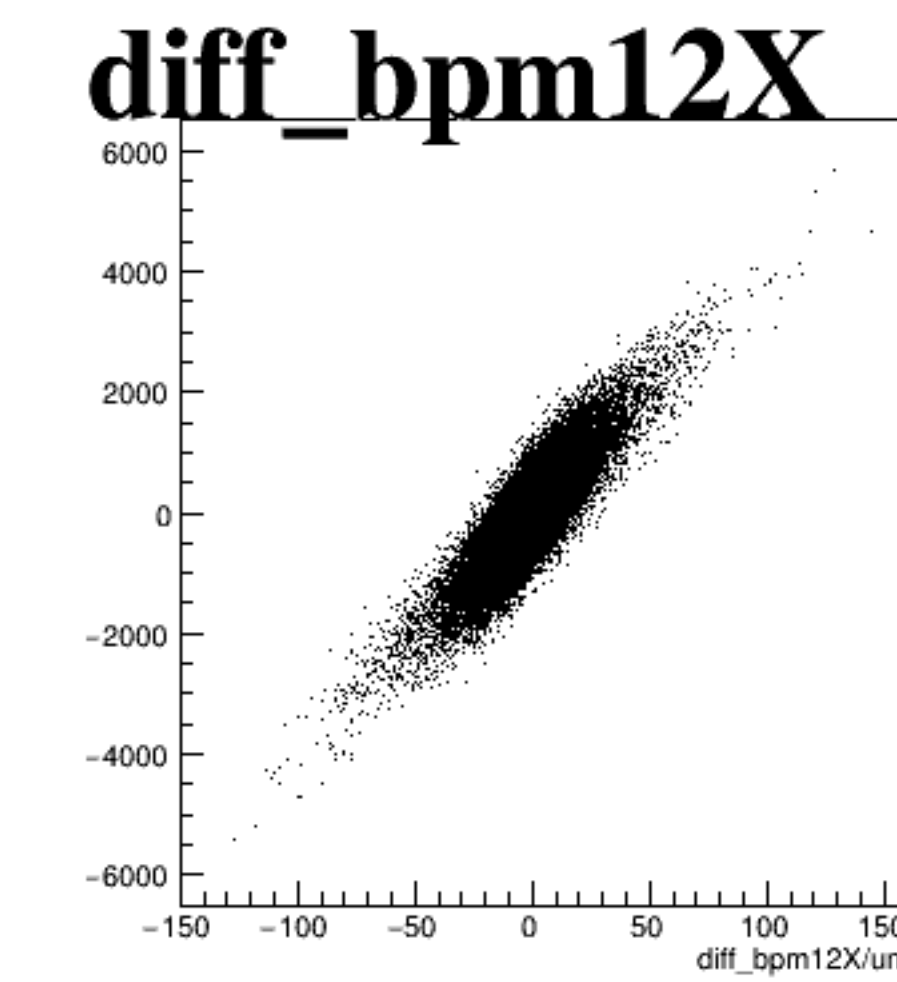
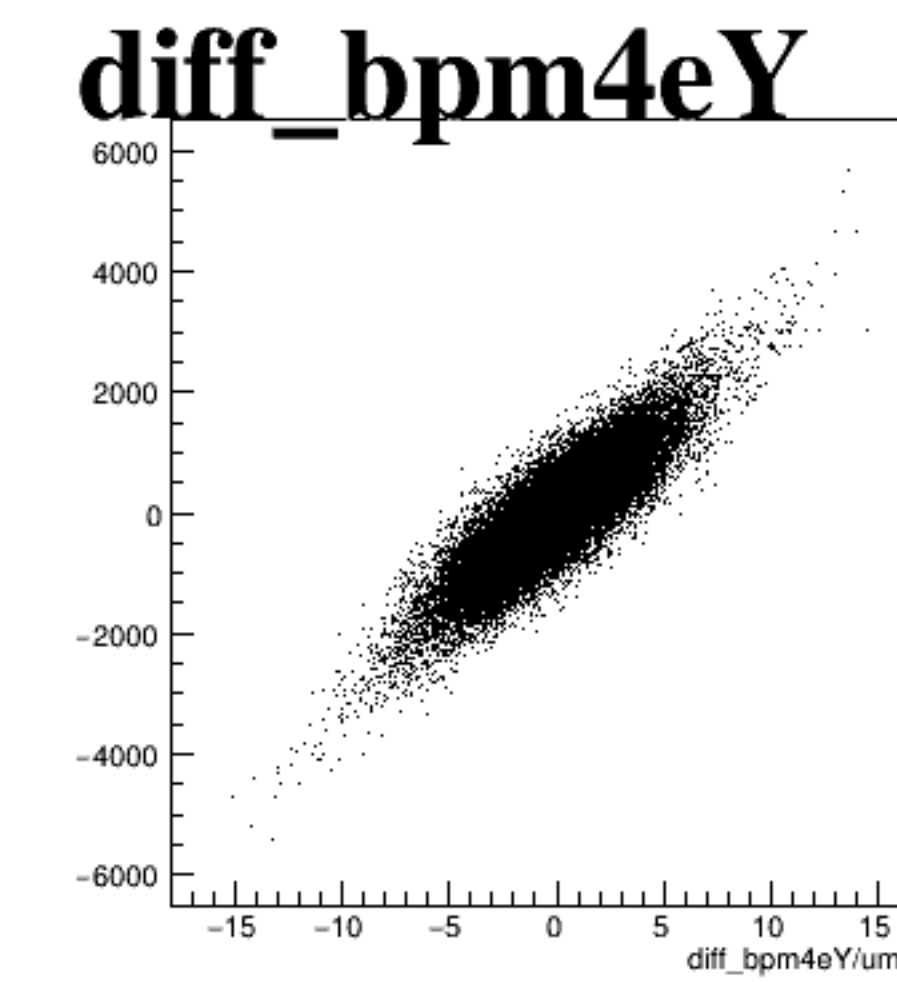
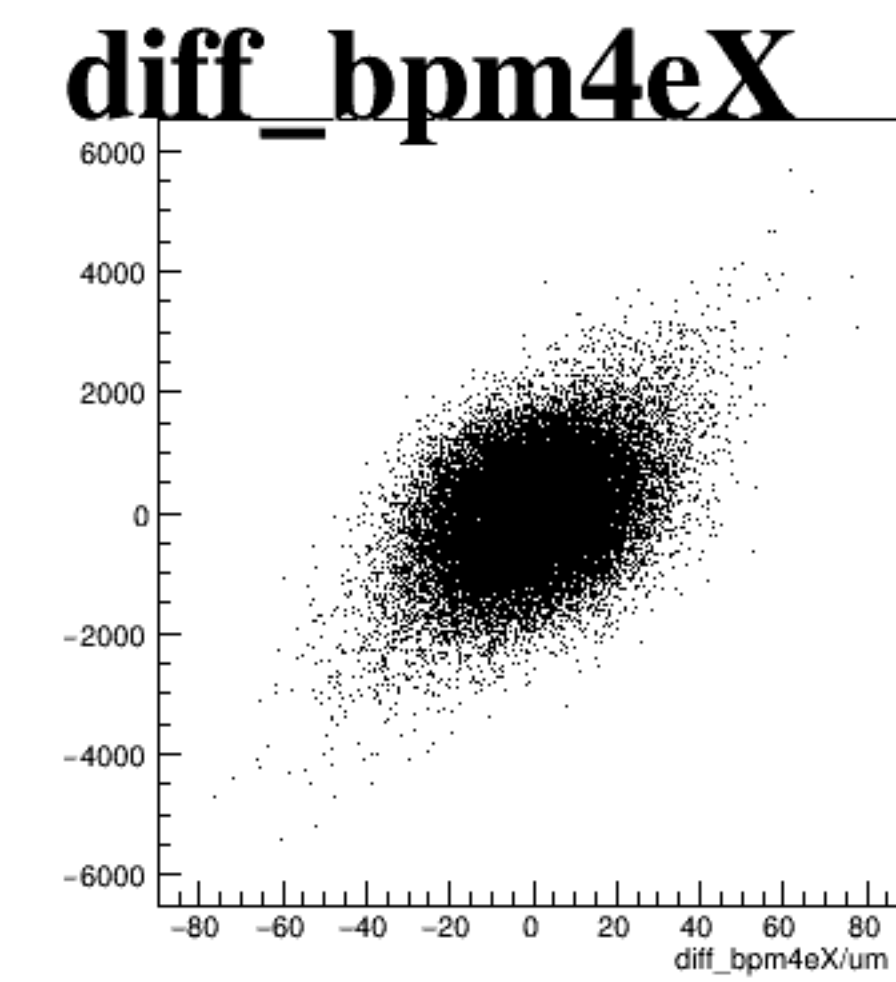
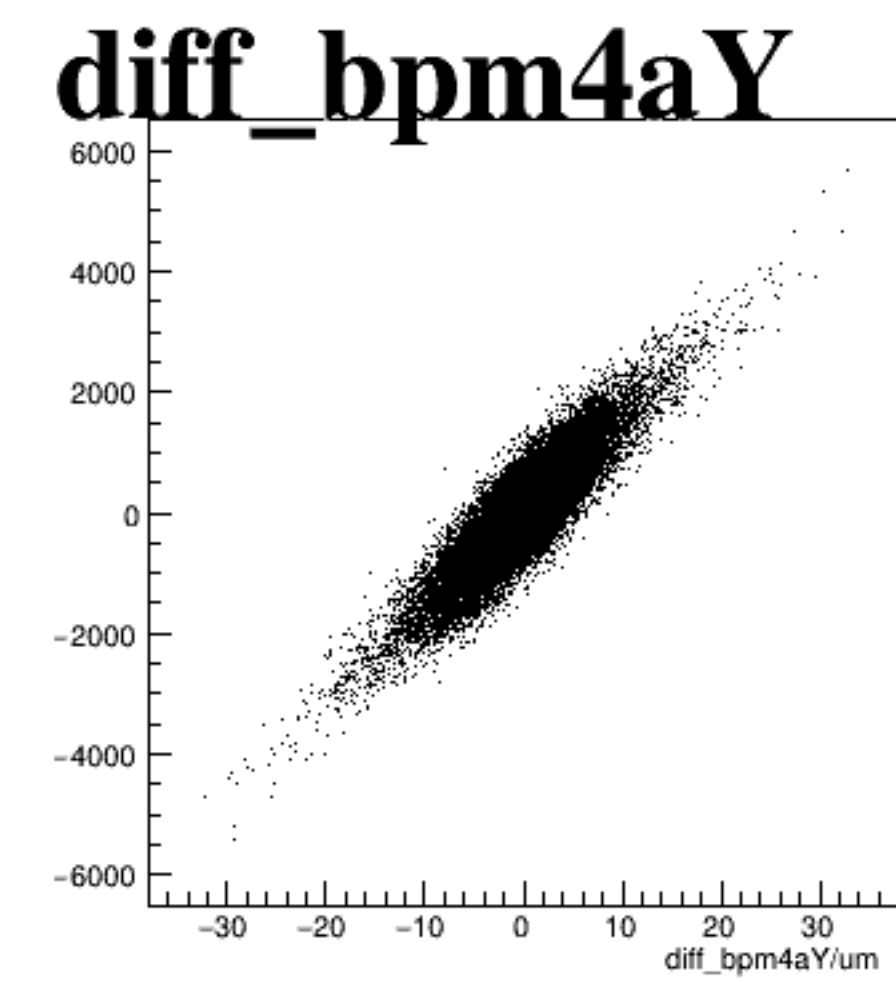
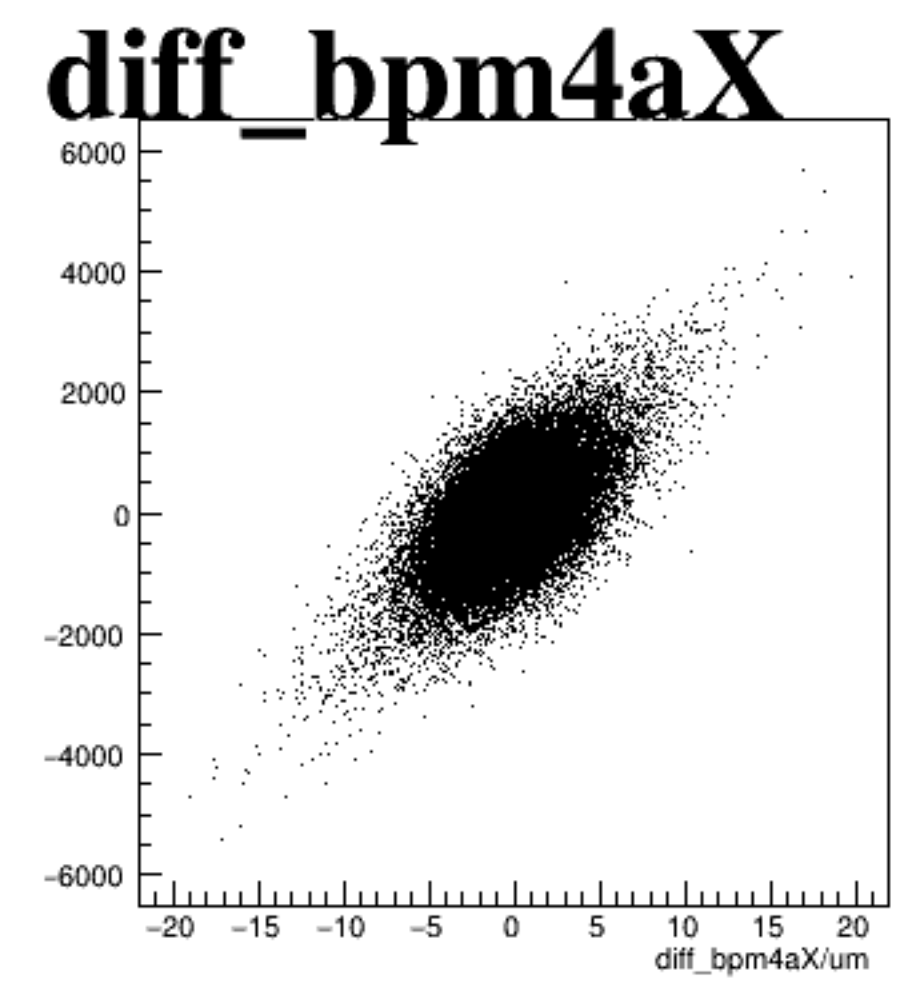
asym_sam1



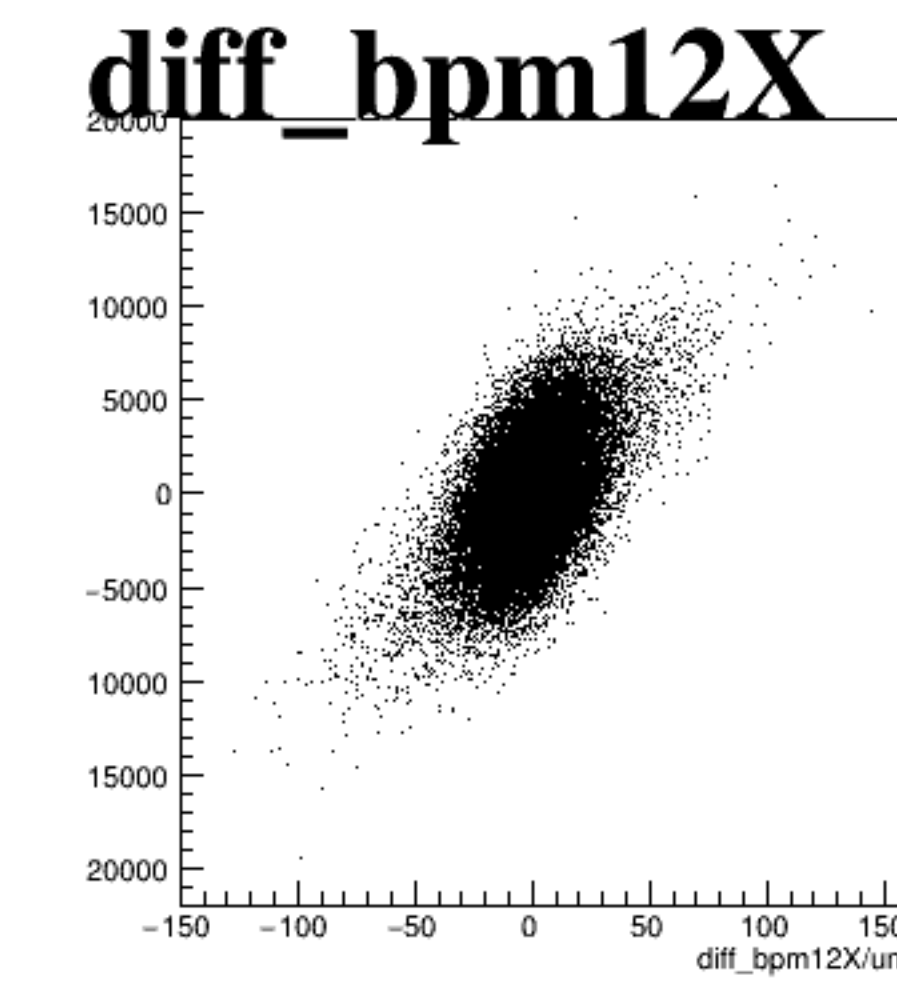
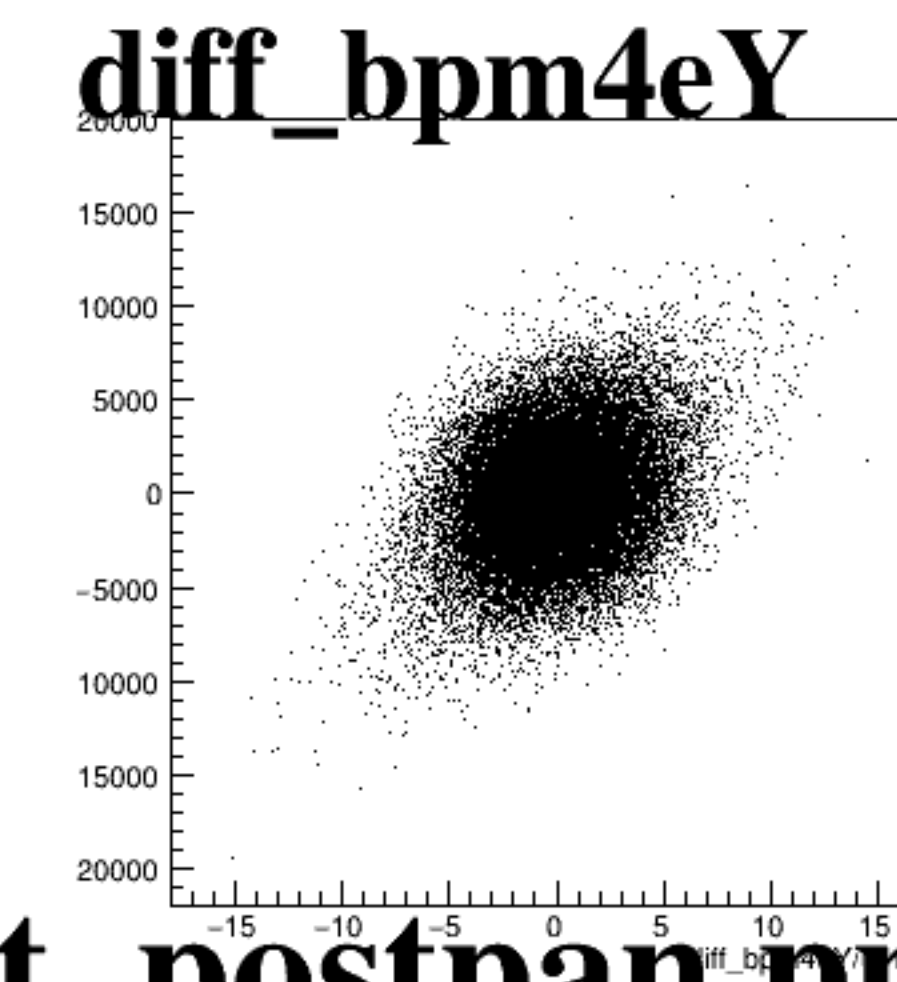
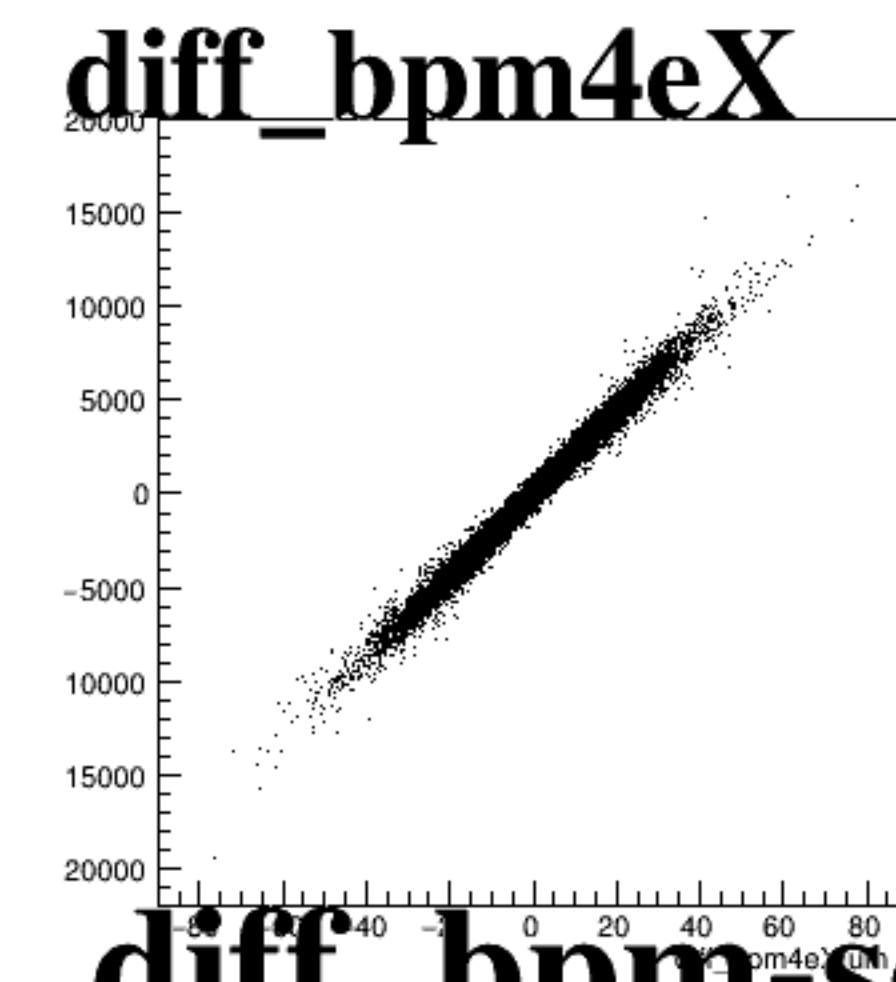
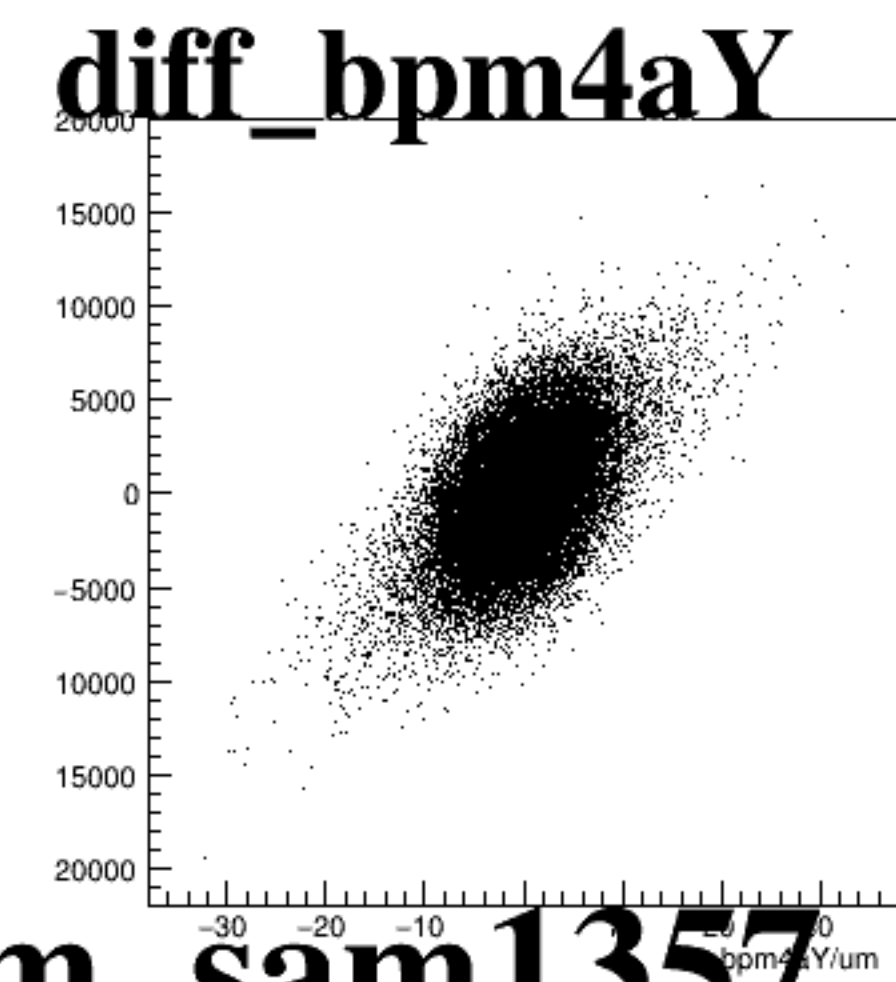
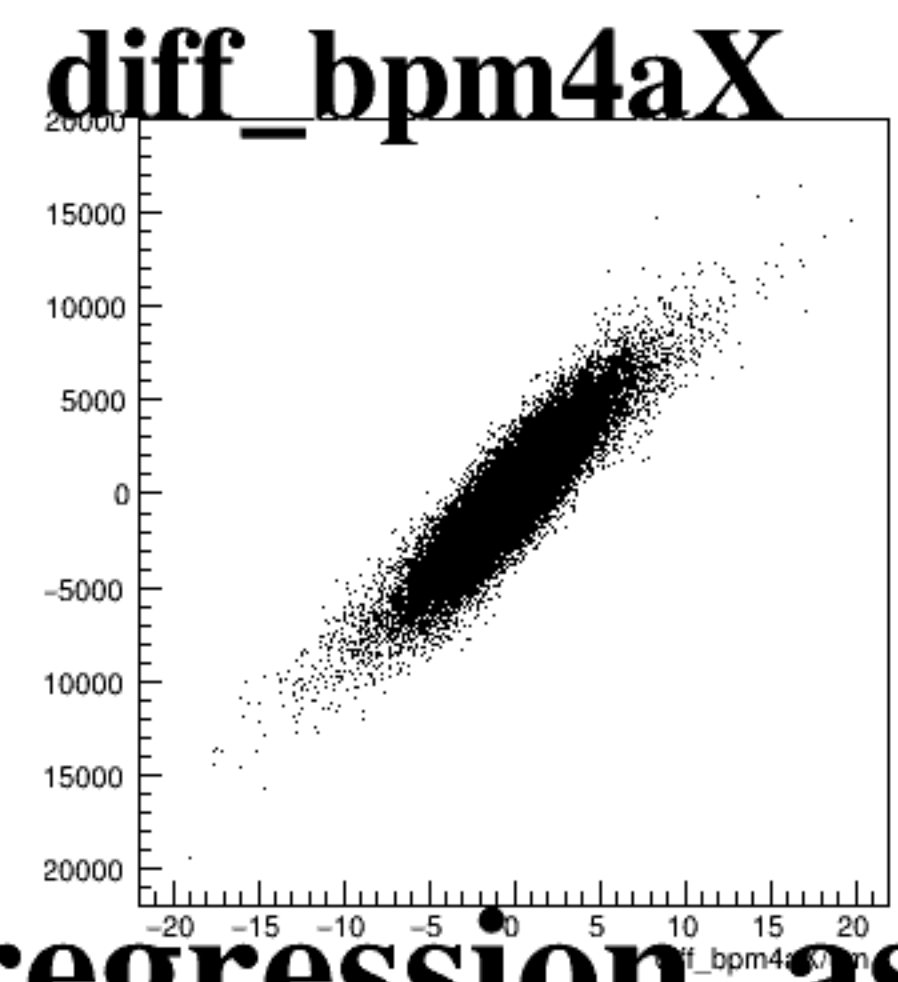
asym_sam3



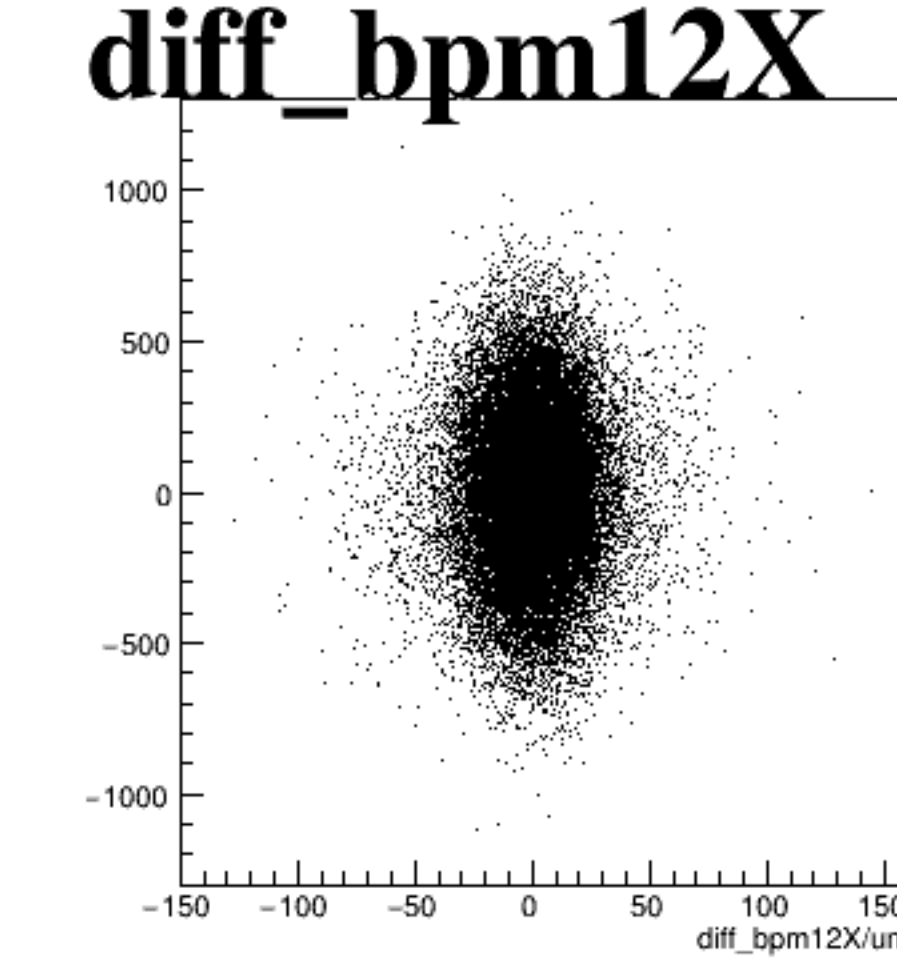
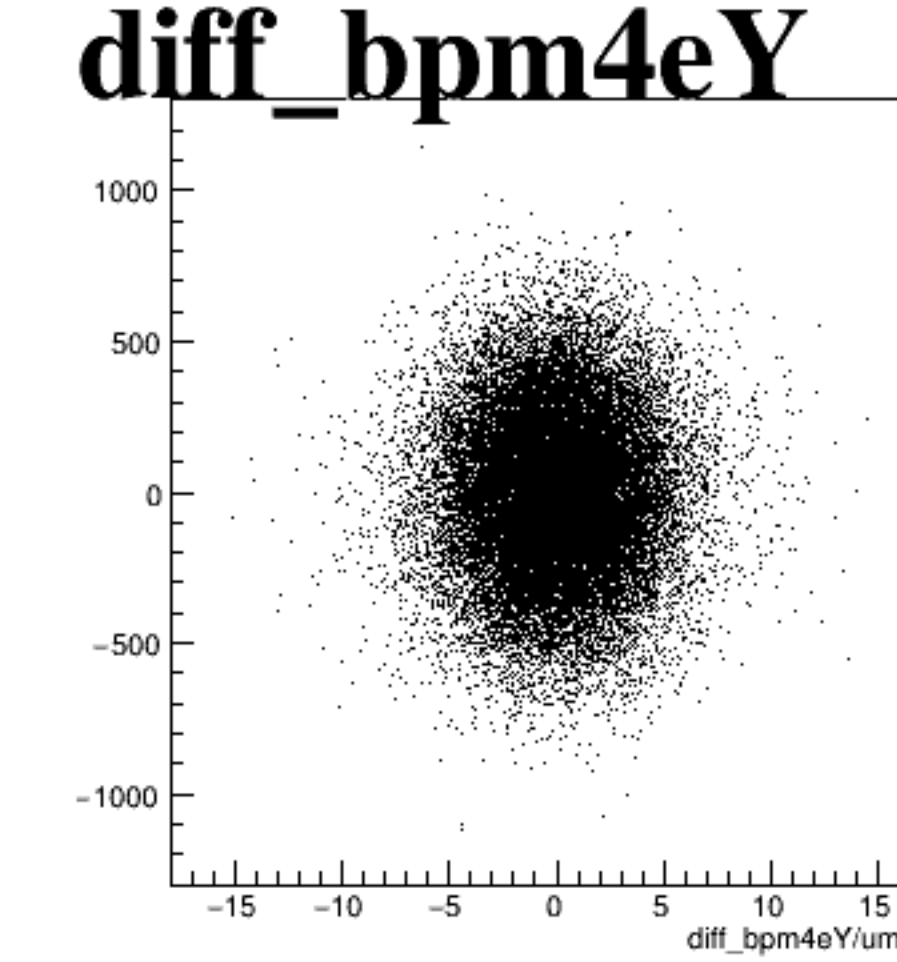
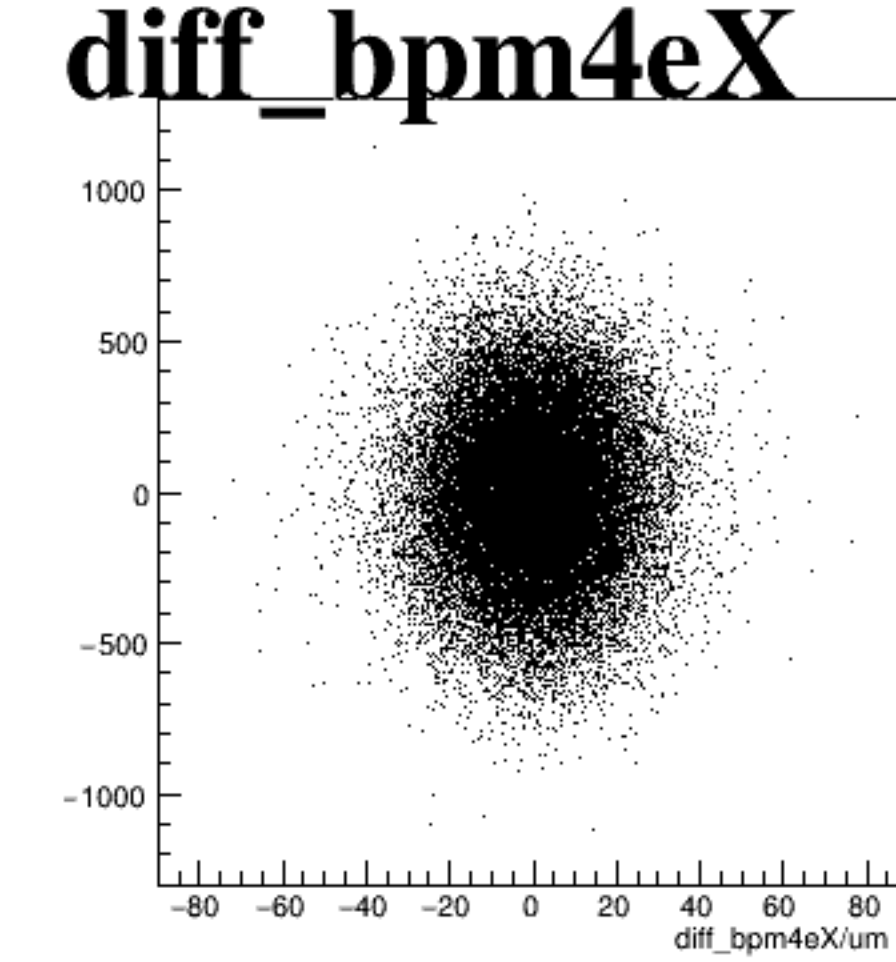
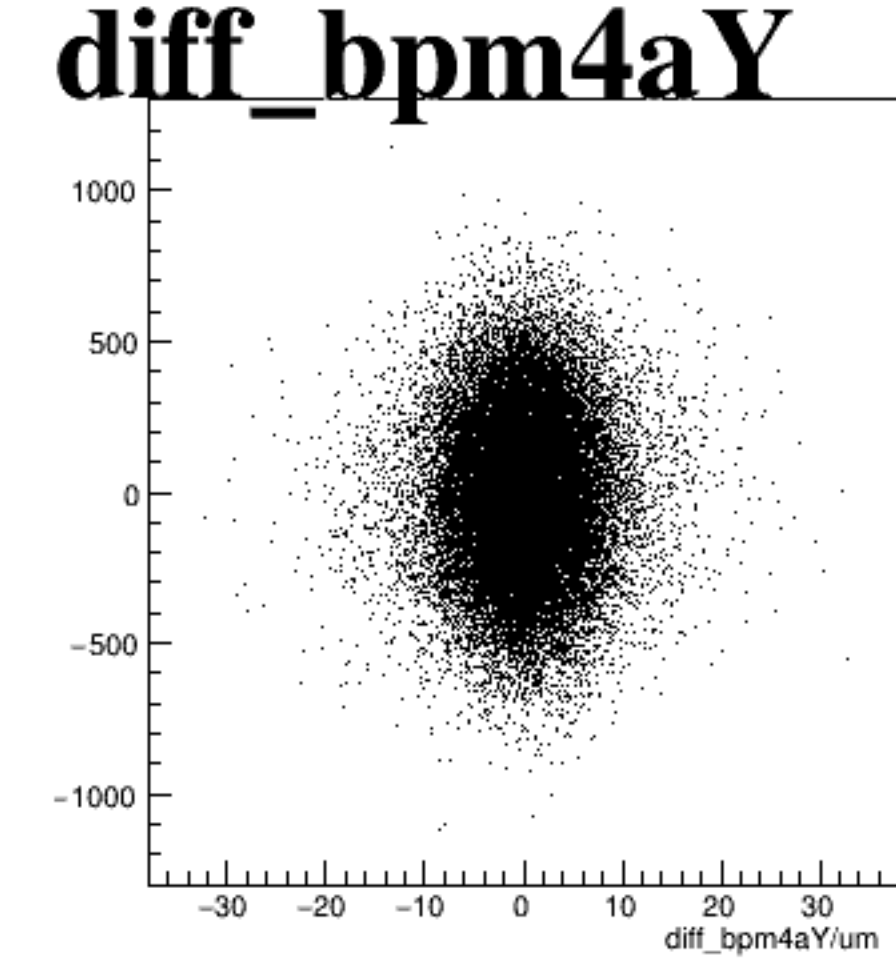
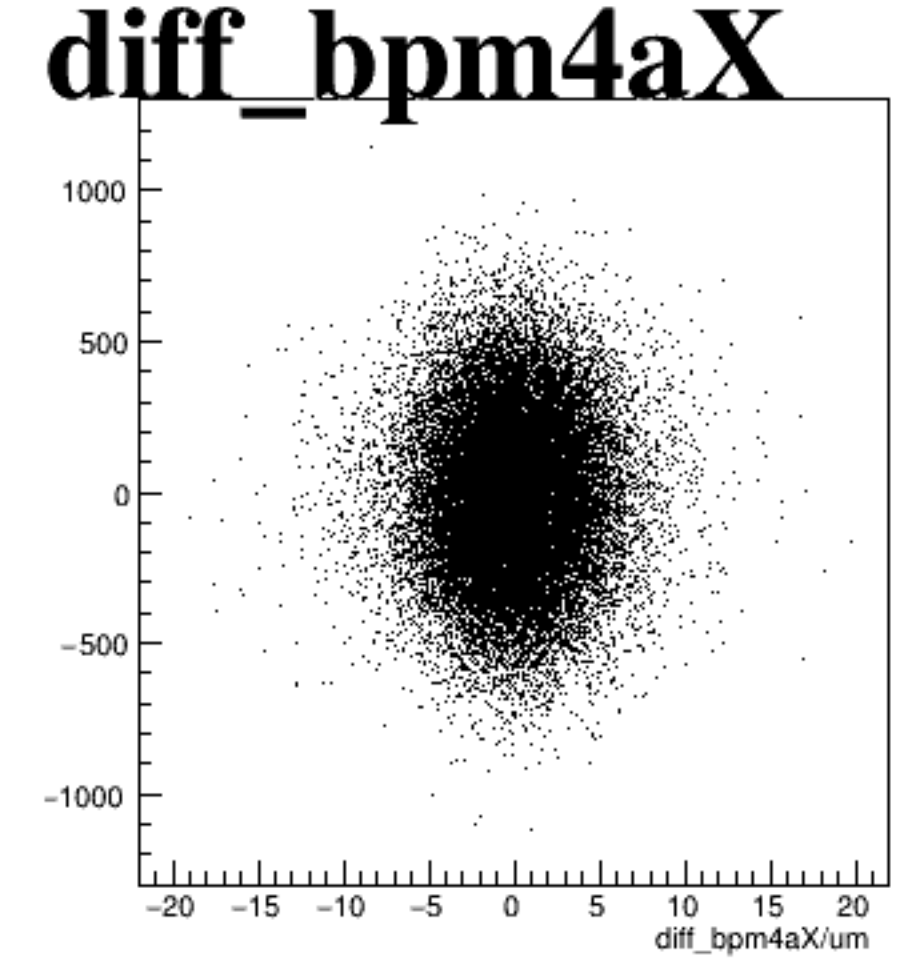
asym_sam5



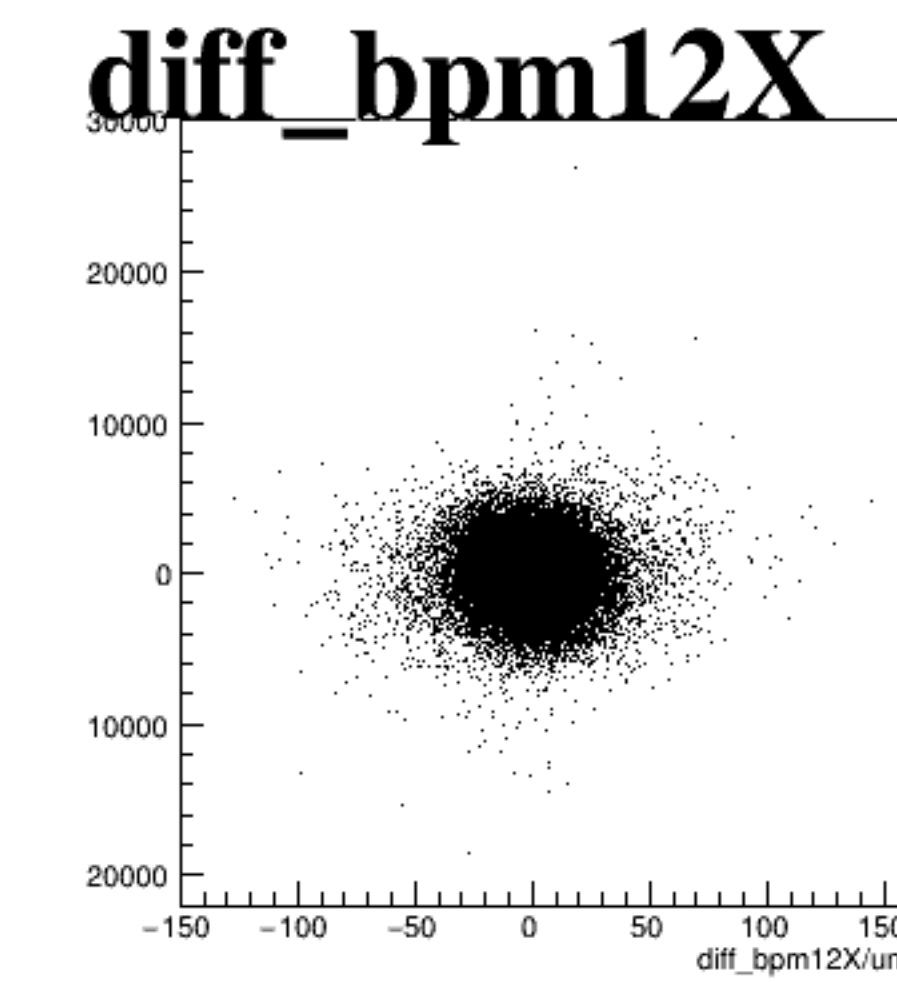
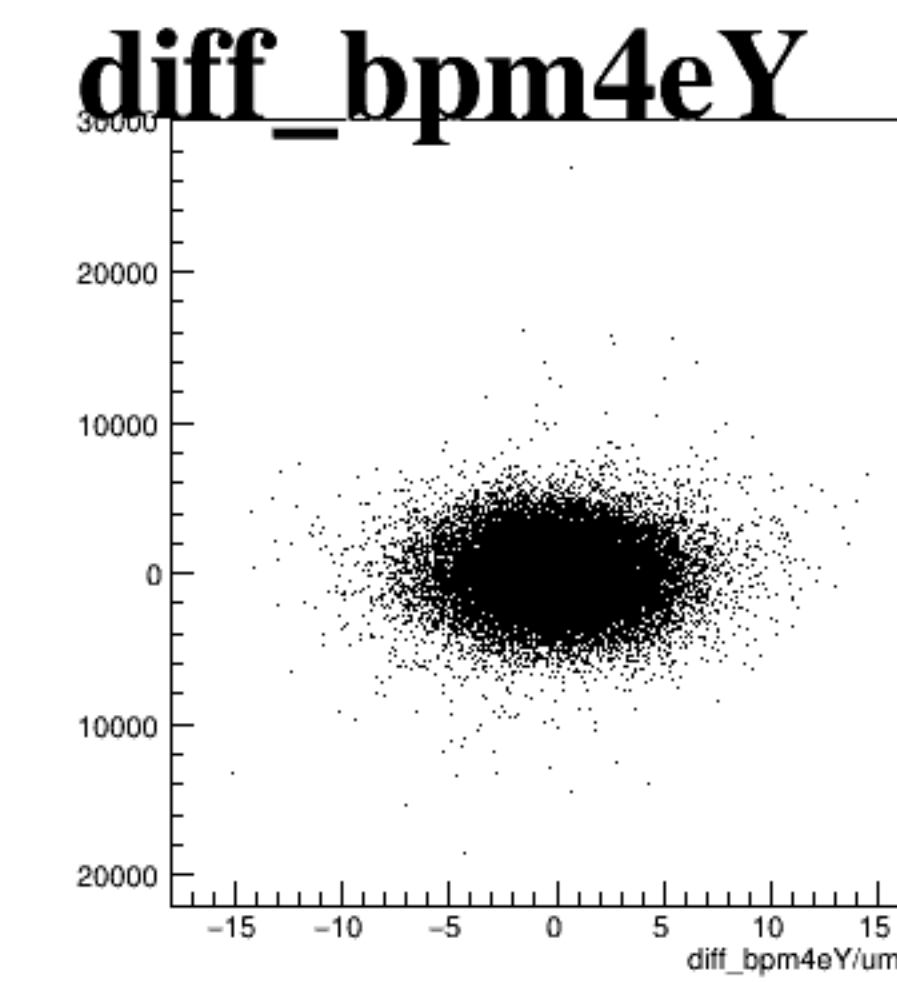
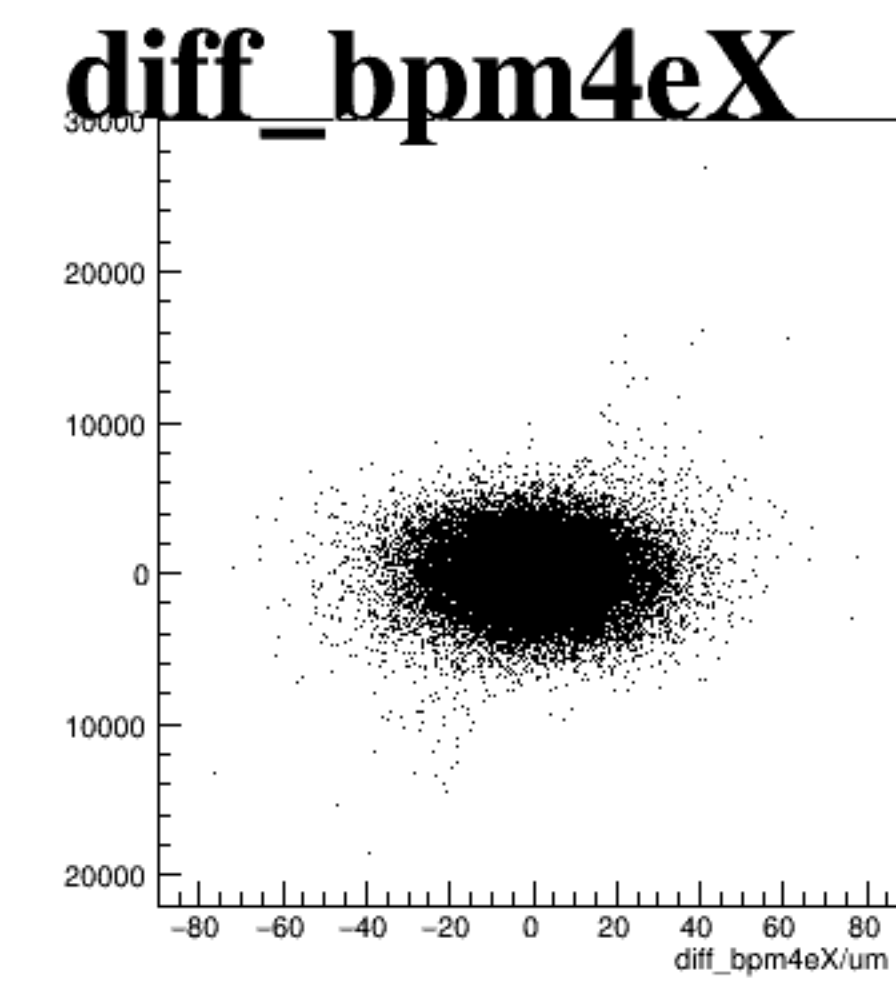
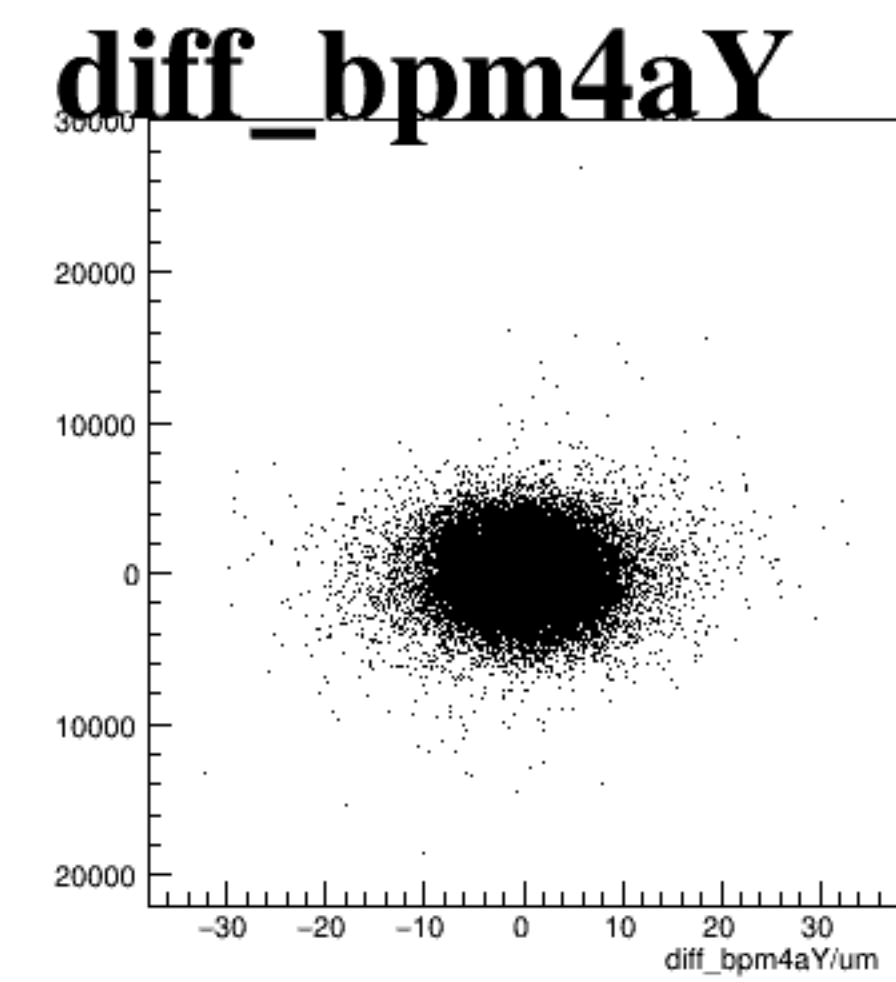
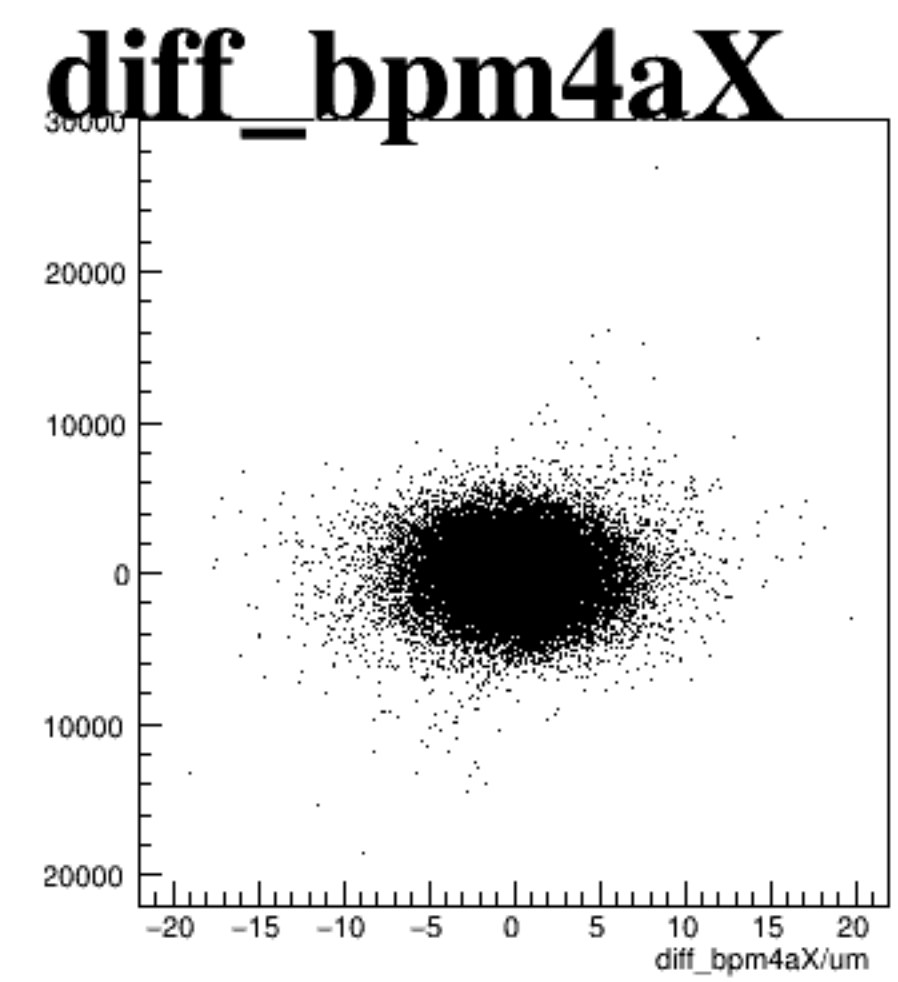
asym_sam7



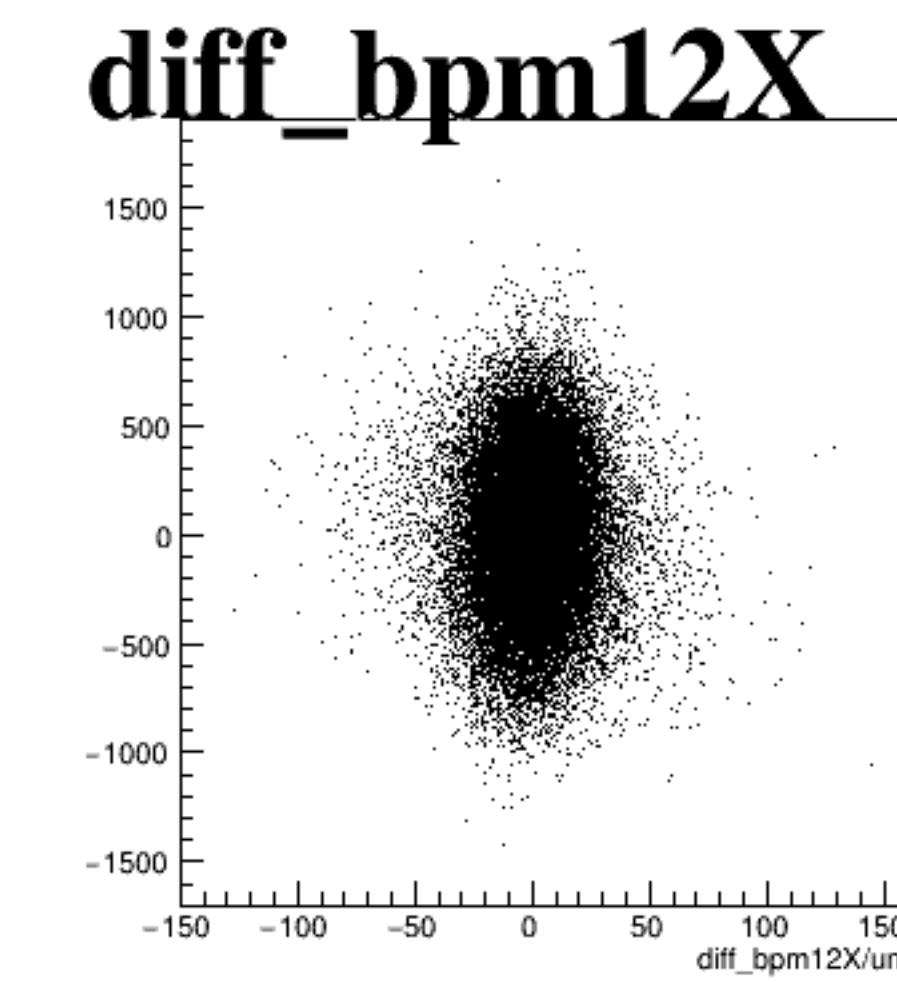
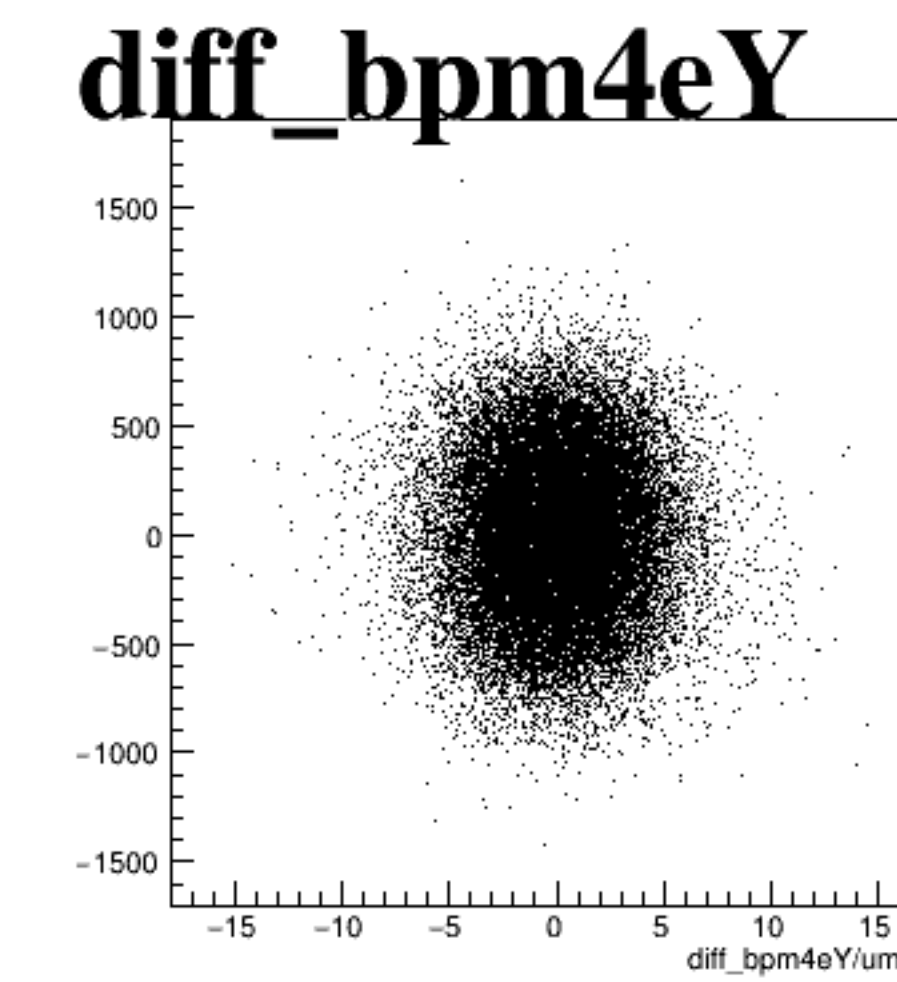
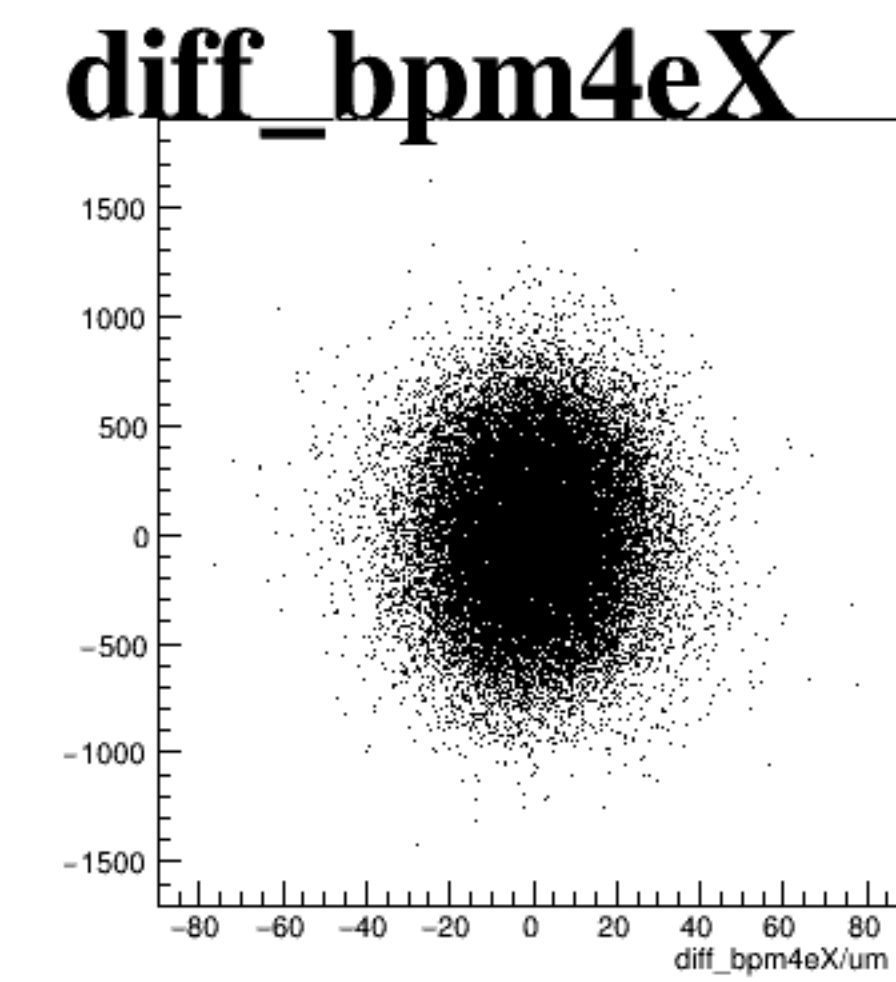
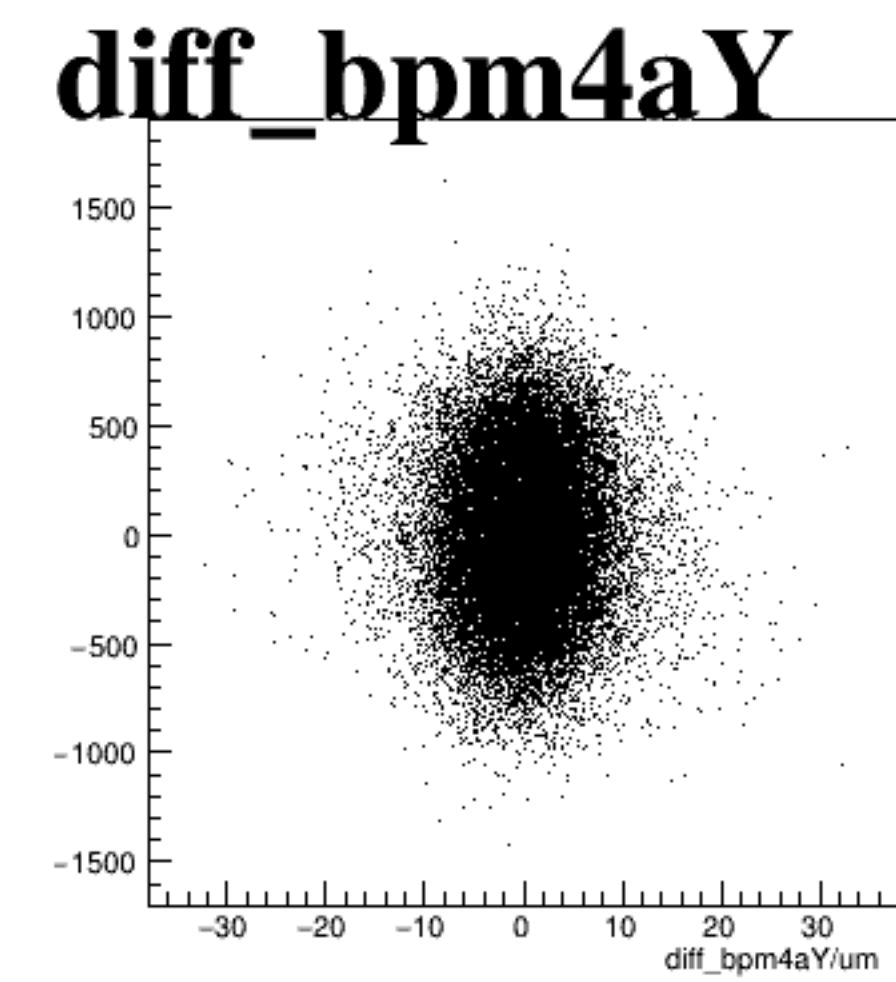
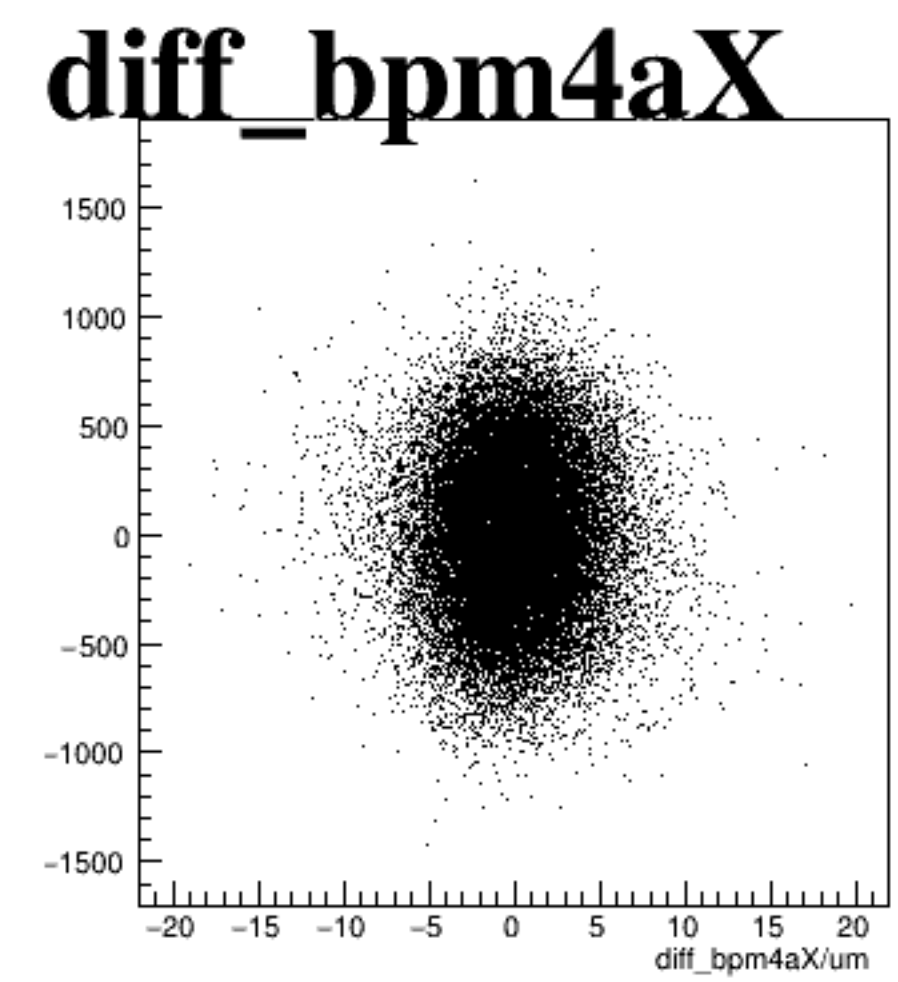
reg_asym_sam1



reg_asym_sam3



reg_asym_sam5



reg_asym_sam7

