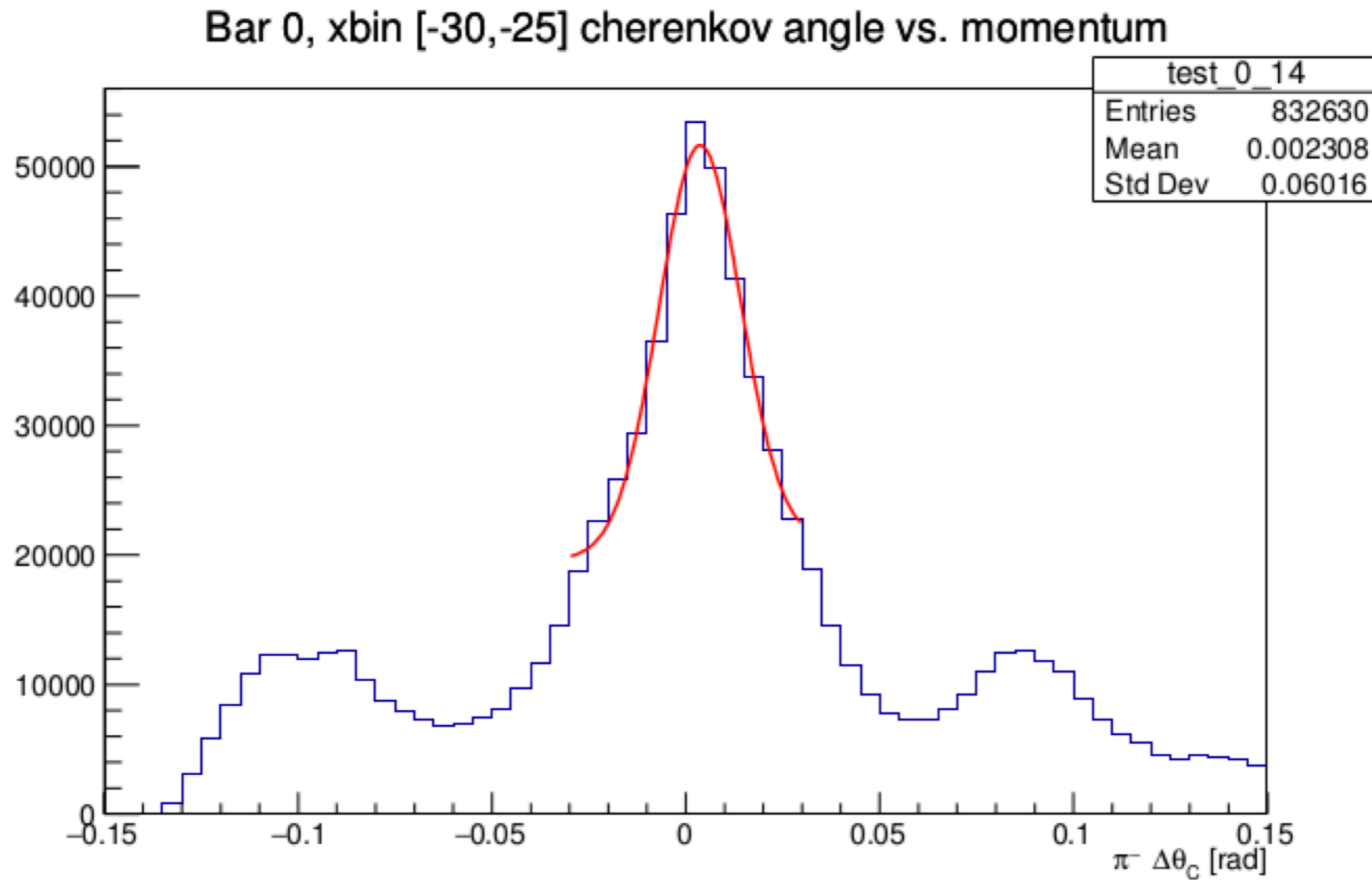


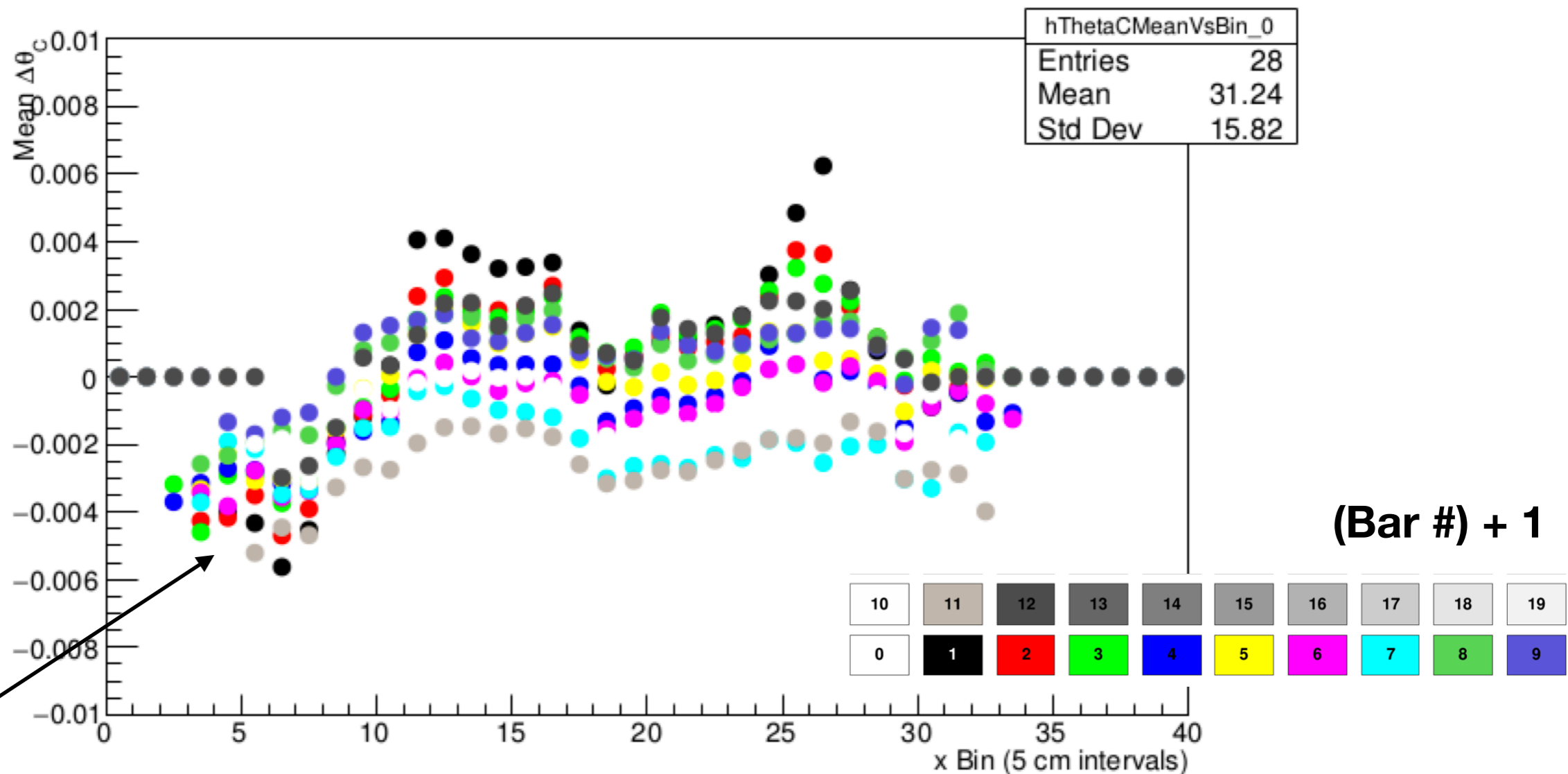
# **Initial track extrapolation study**

DIRC Meeting: 6.25.19

# Fit $\Delta\theta_c$ in Bar and X bins



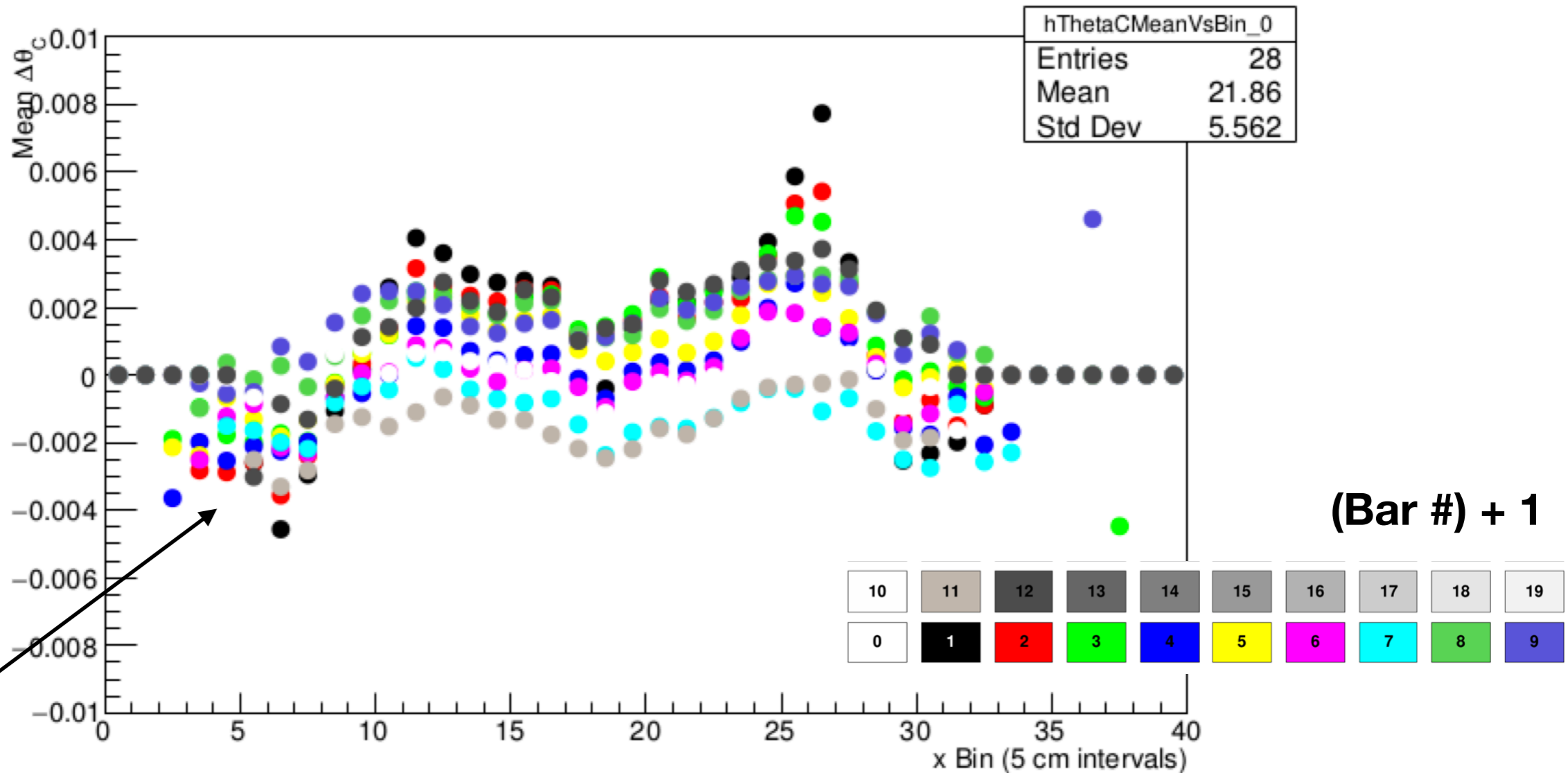
# Nominal geometry



Nominal geometry assumes bar boxes at fixed Z position (no rotations)

Significant difference in  $\Delta\theta_C$  mean values, means bias in track extrapolation or DIRC LUT reconstruction

# Rotated bar boxes



Rotate extrapolated tracks by bar box surveyed rotation angles,  
which give corrections up to  $\sim 2$  mrad

Still significant bar # and x dependence