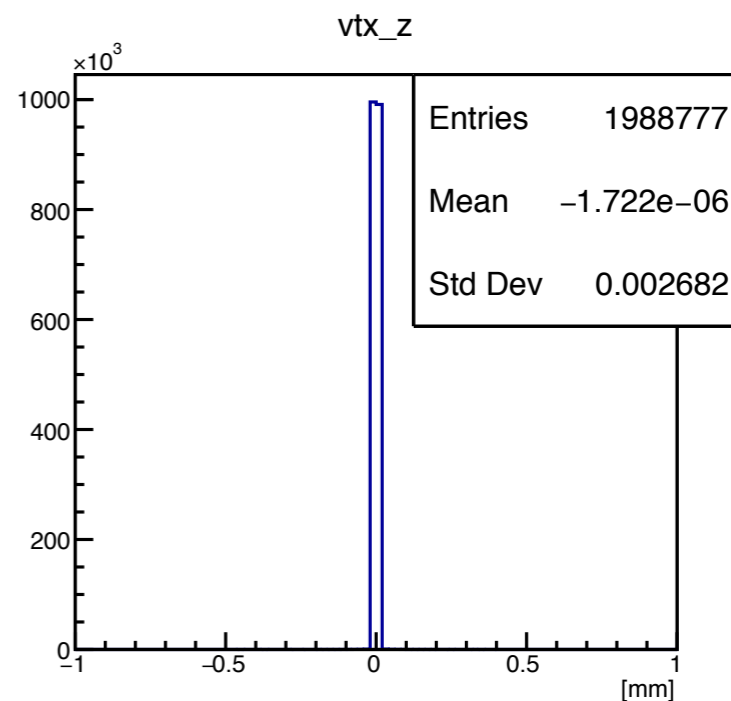
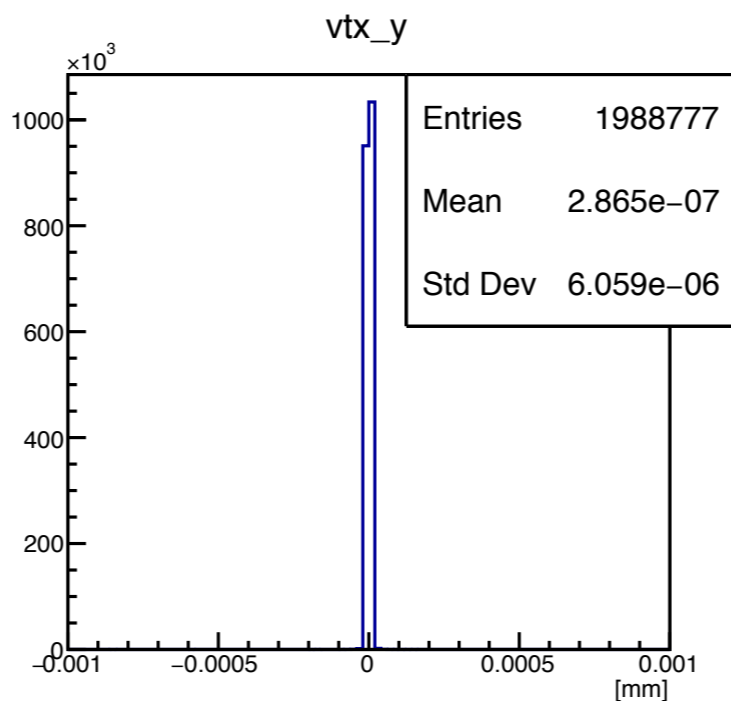
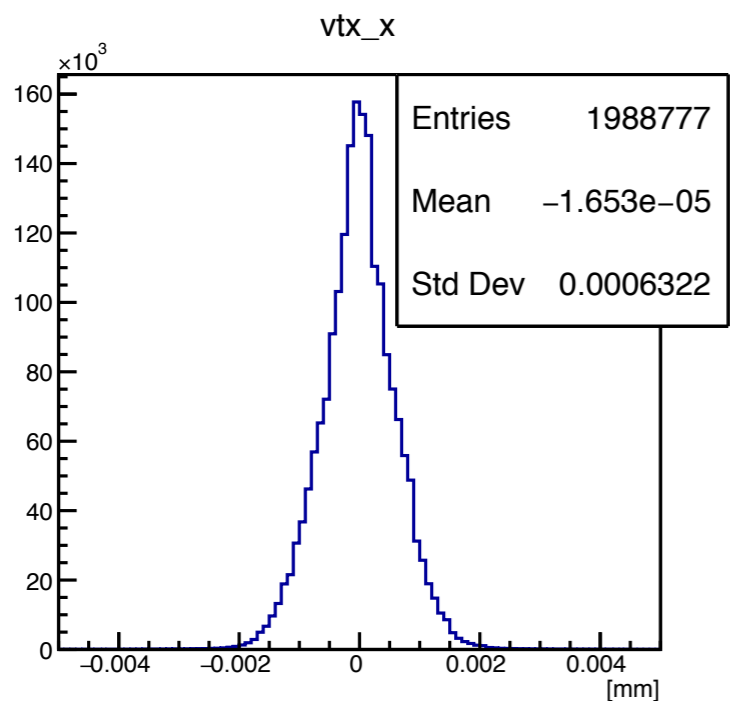


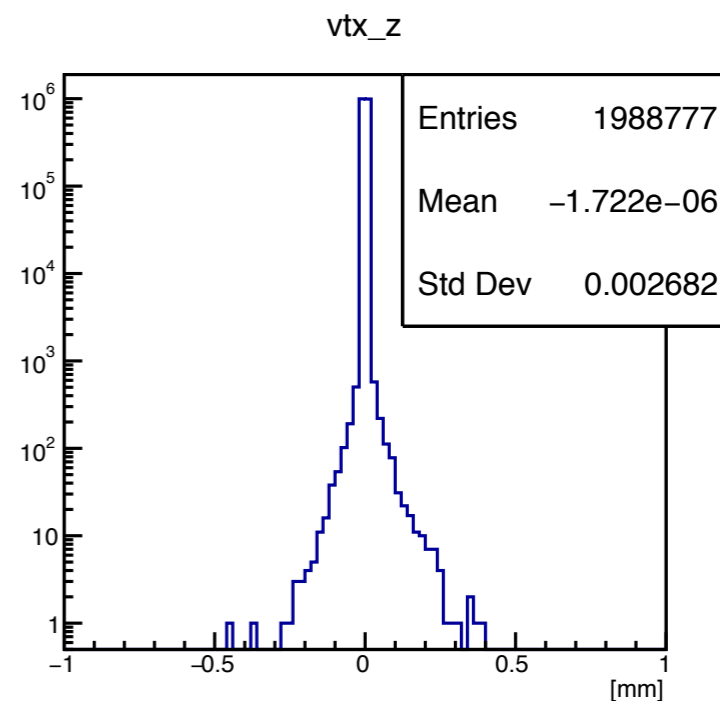
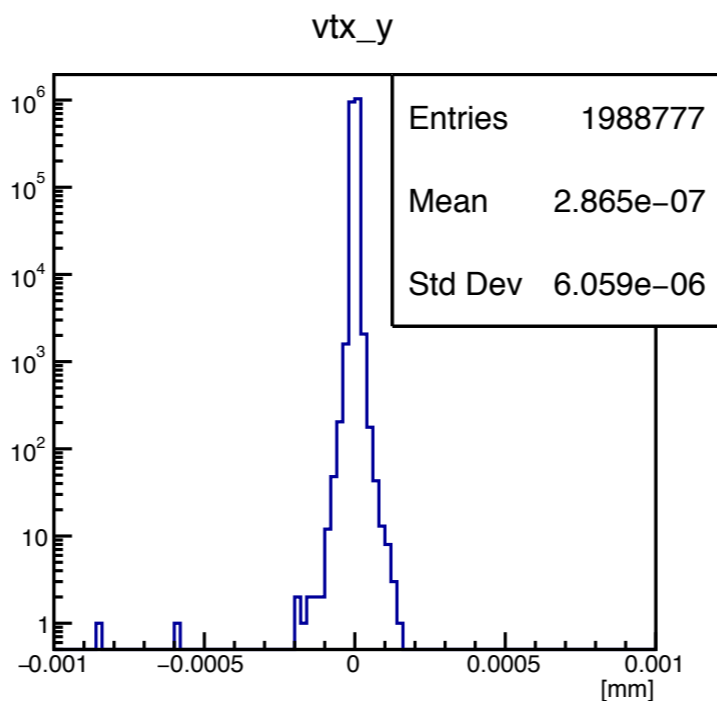
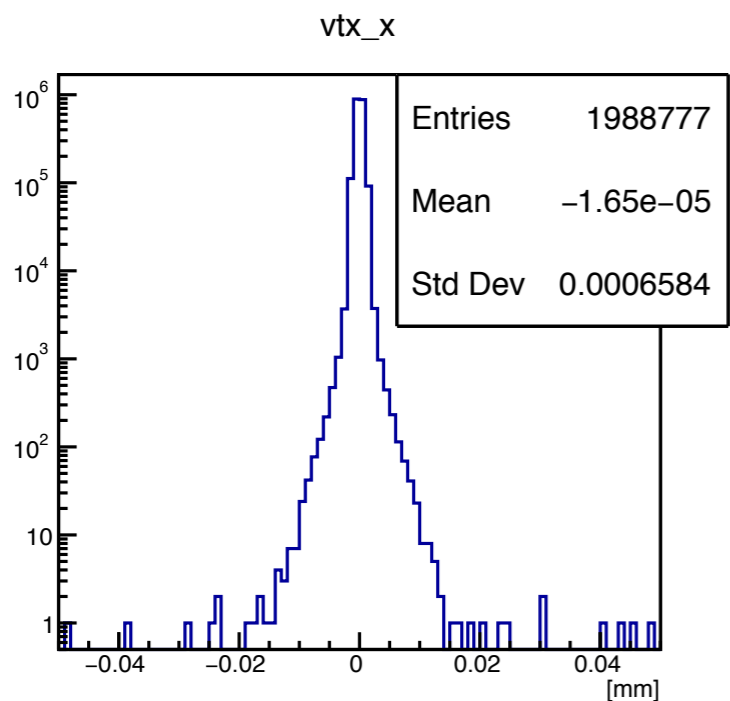
# **ttbar sample test (revised plots)**

**Ryo Yonamine**  
**Tohoku University**

# DBD sample

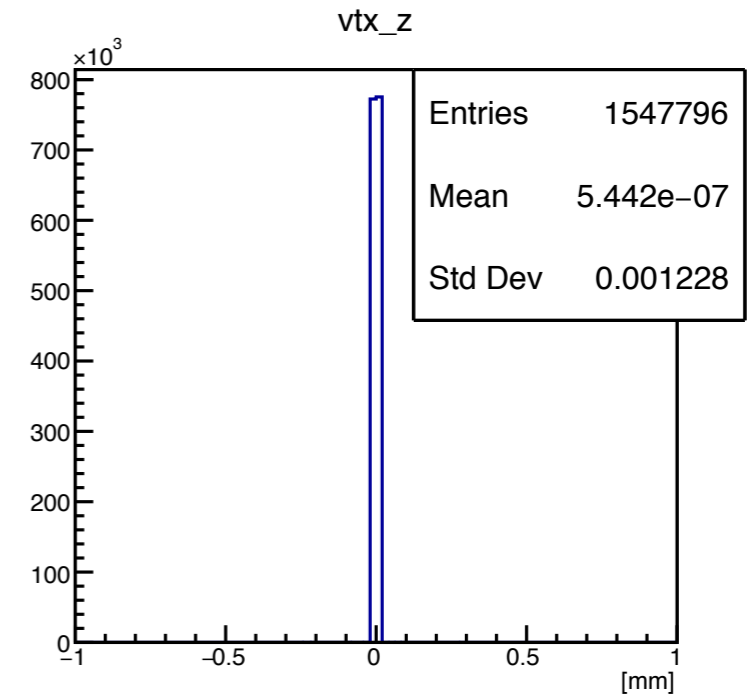
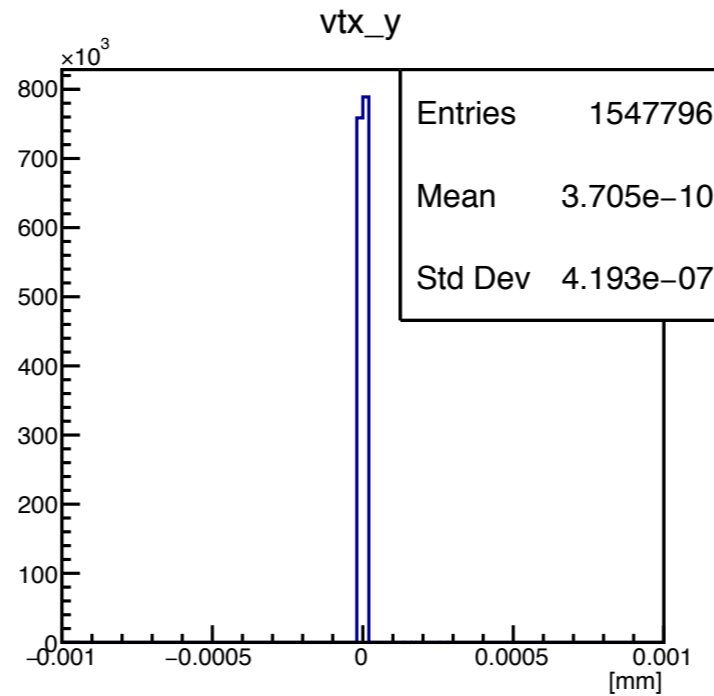
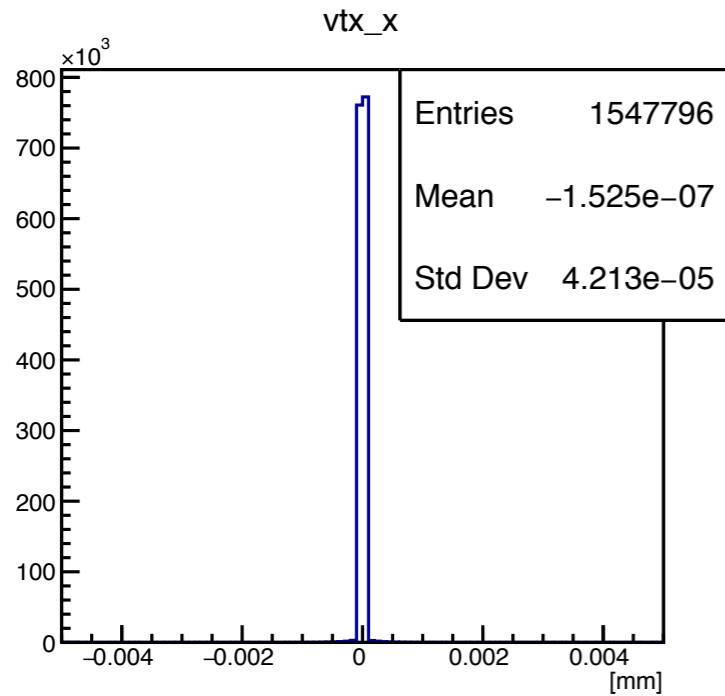


# log scale version

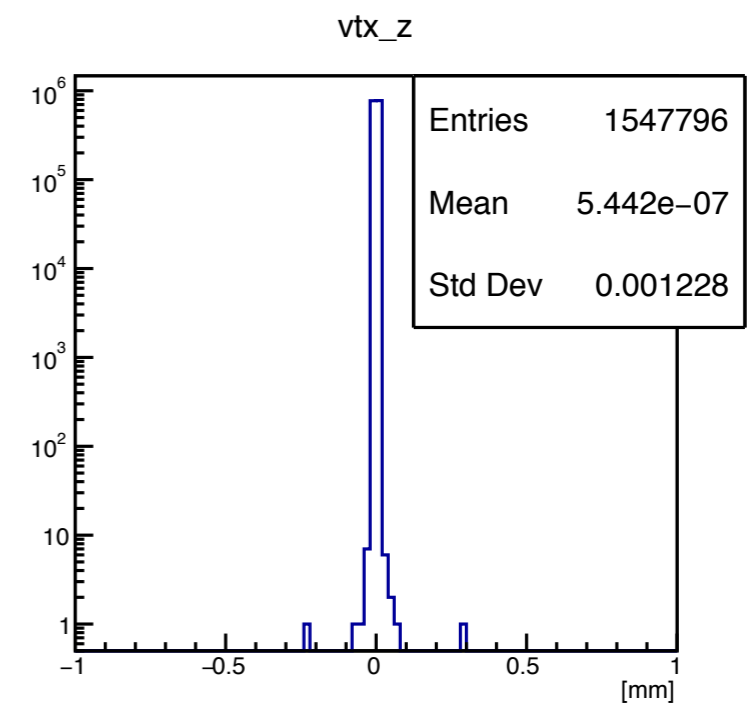
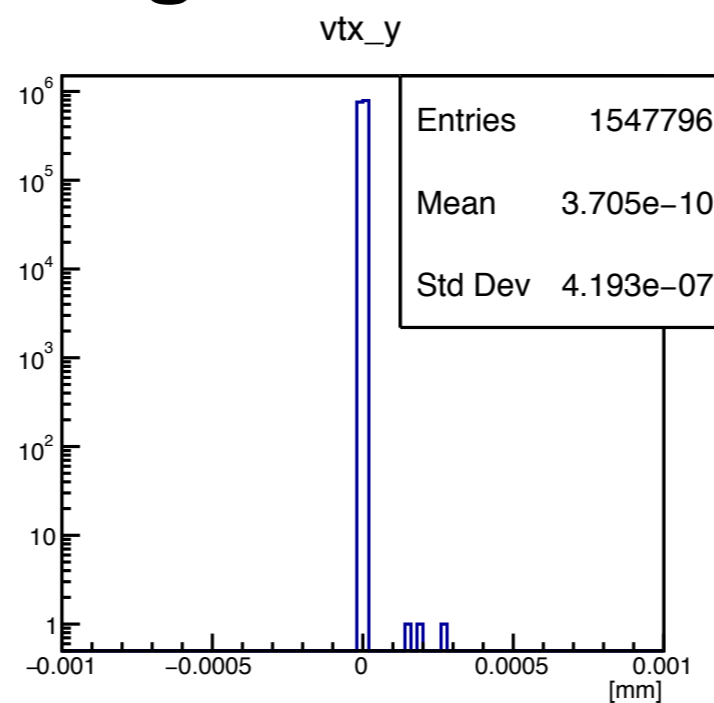
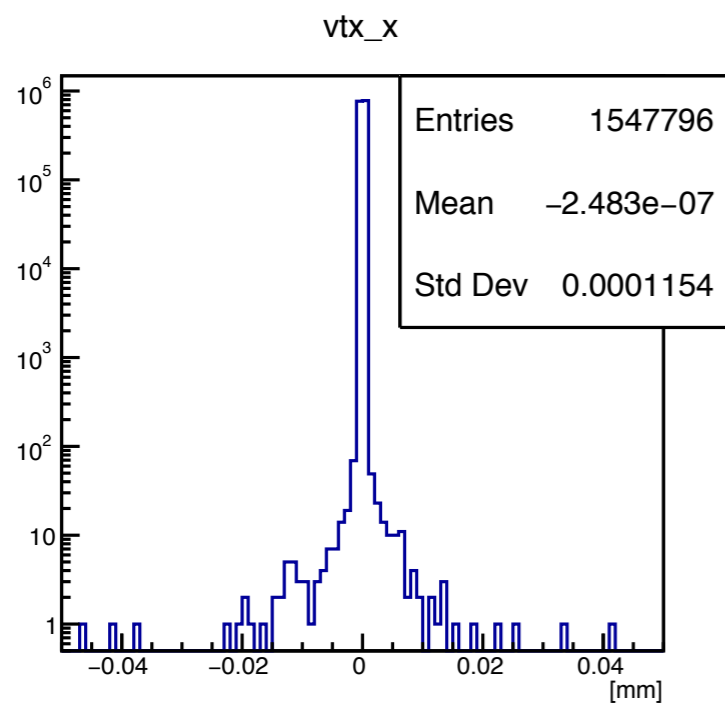


# DBD sample + v01-19-06 vertexing

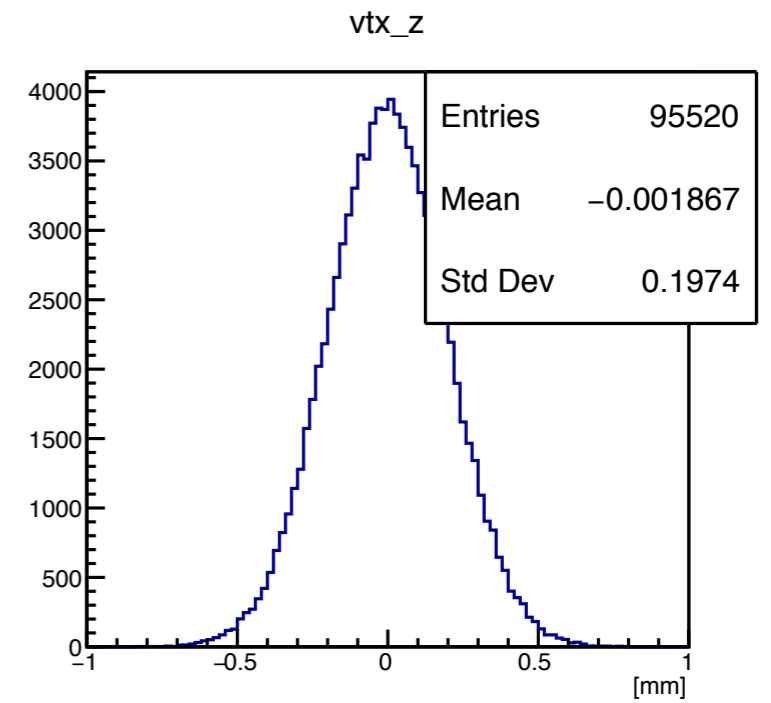
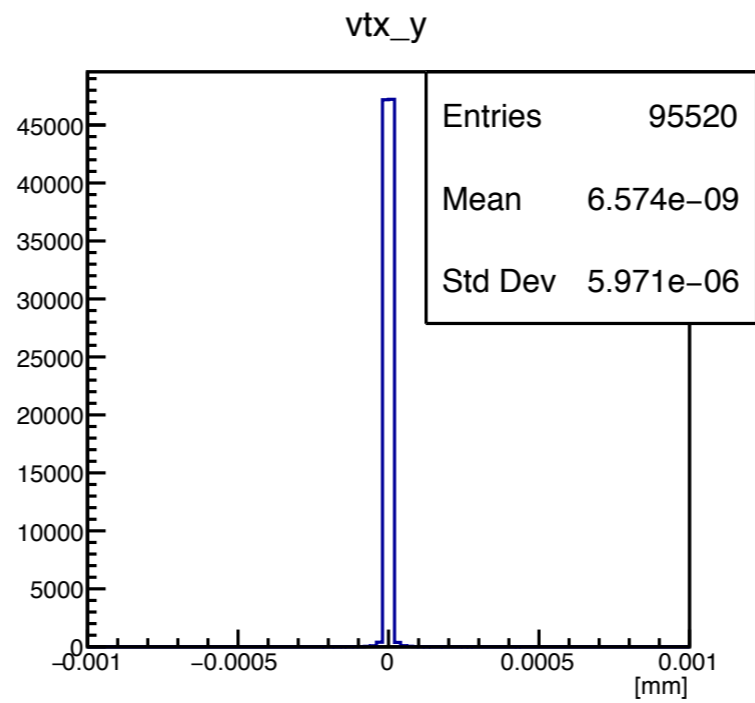
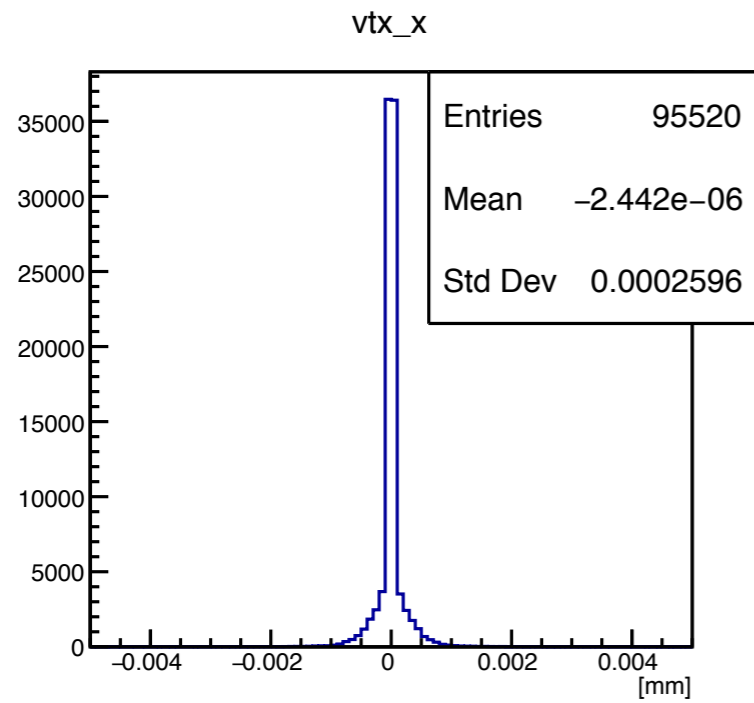
Create a new vertex collections by performing vertexing with v01-19-06.



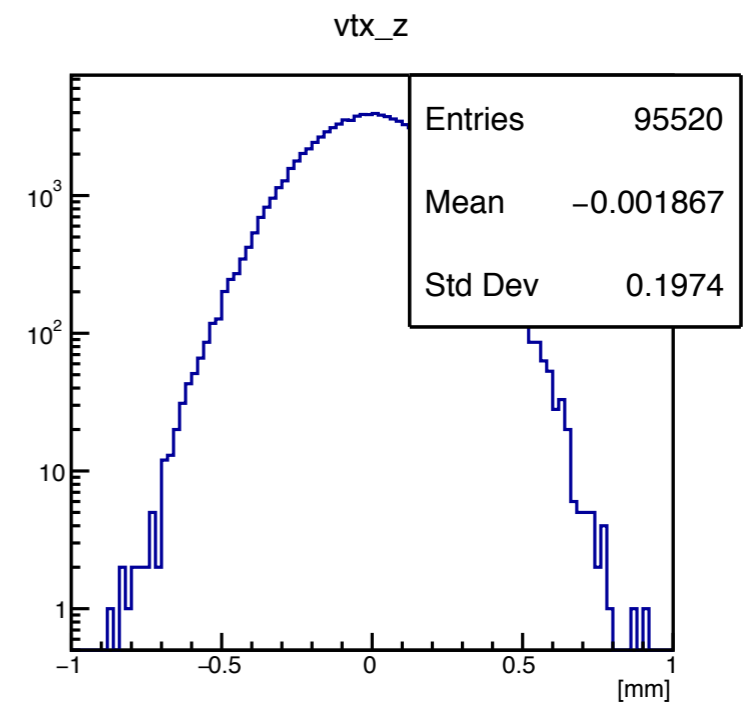
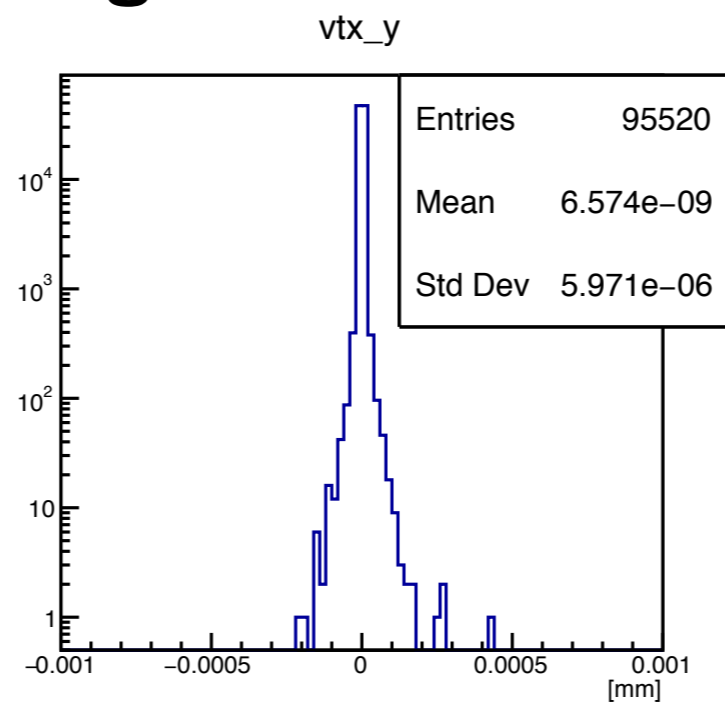
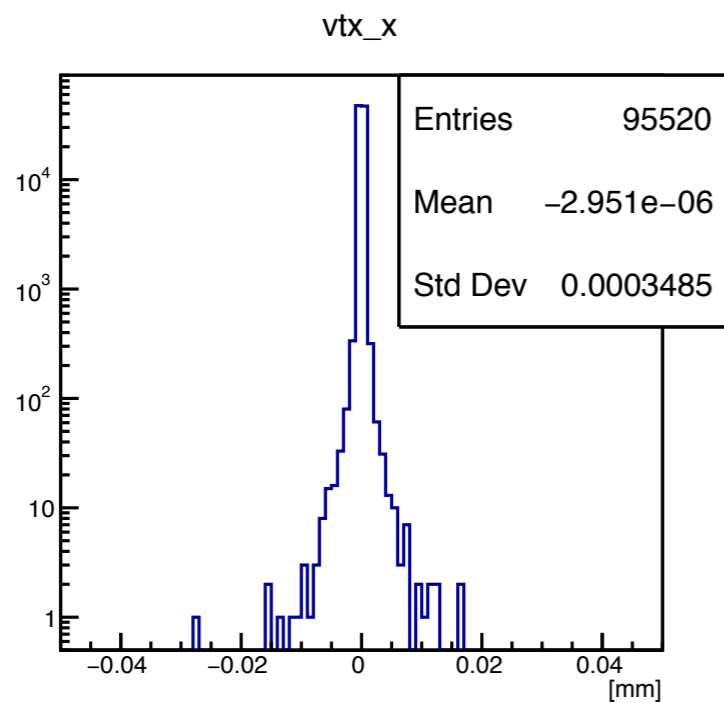
## log scale version



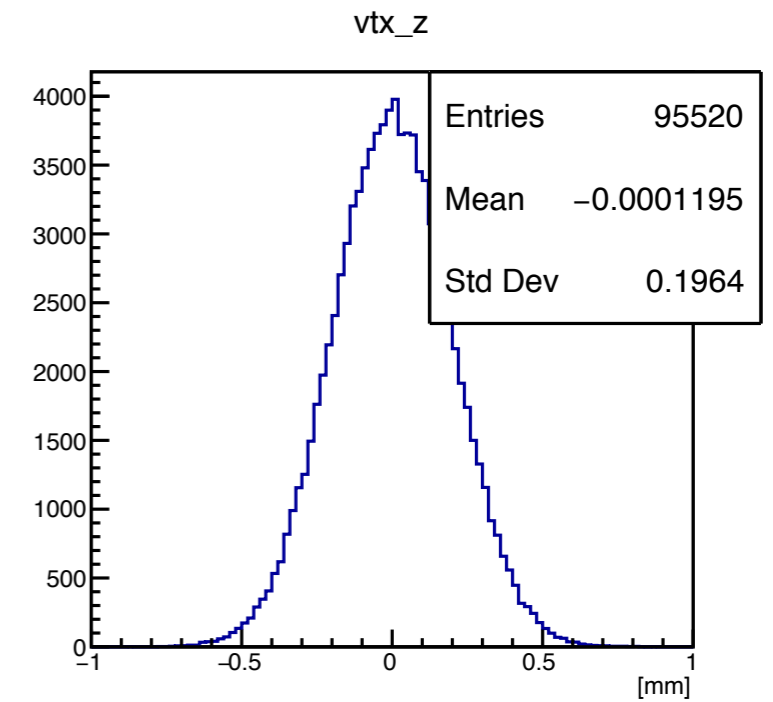
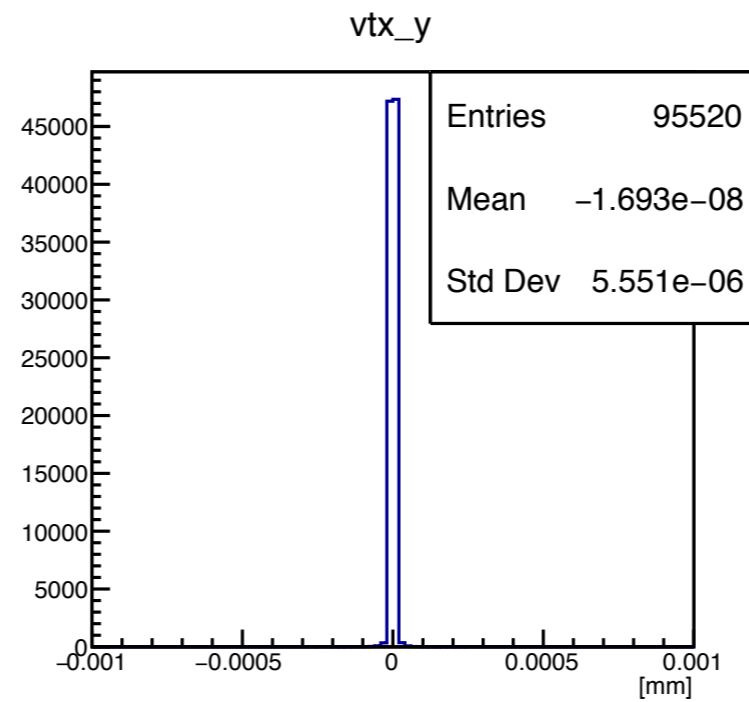
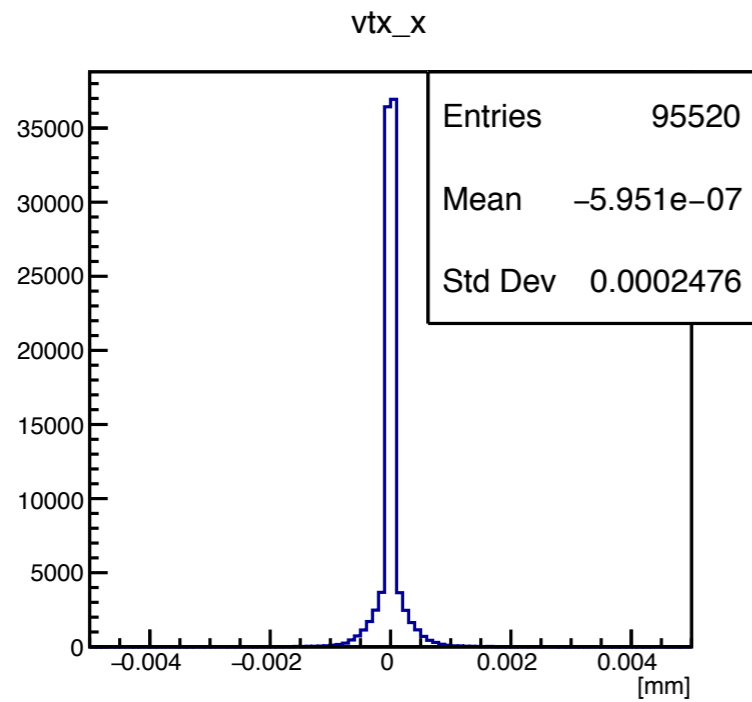
# 15



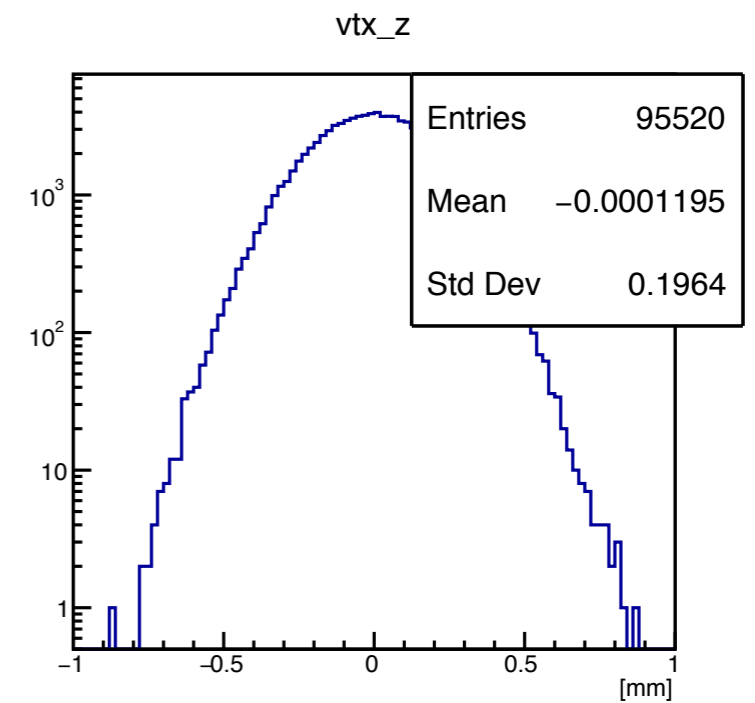
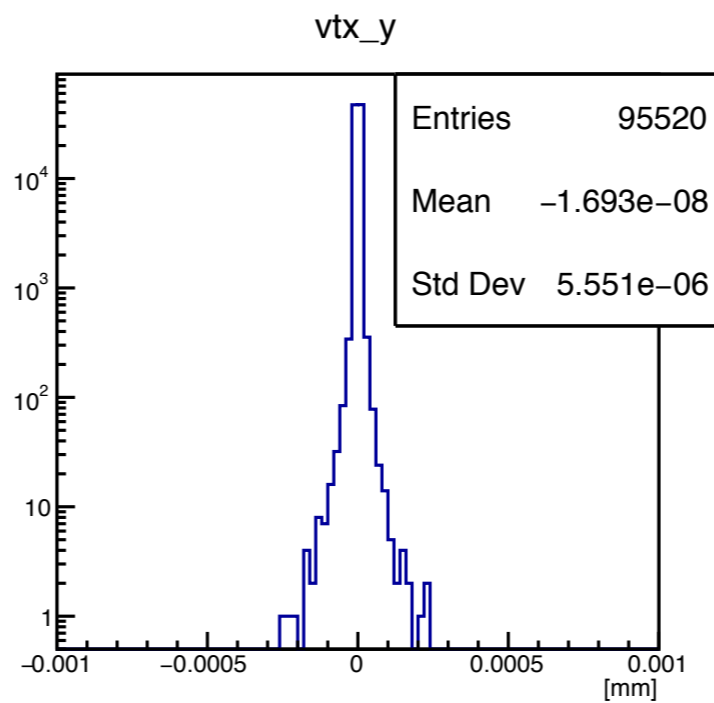
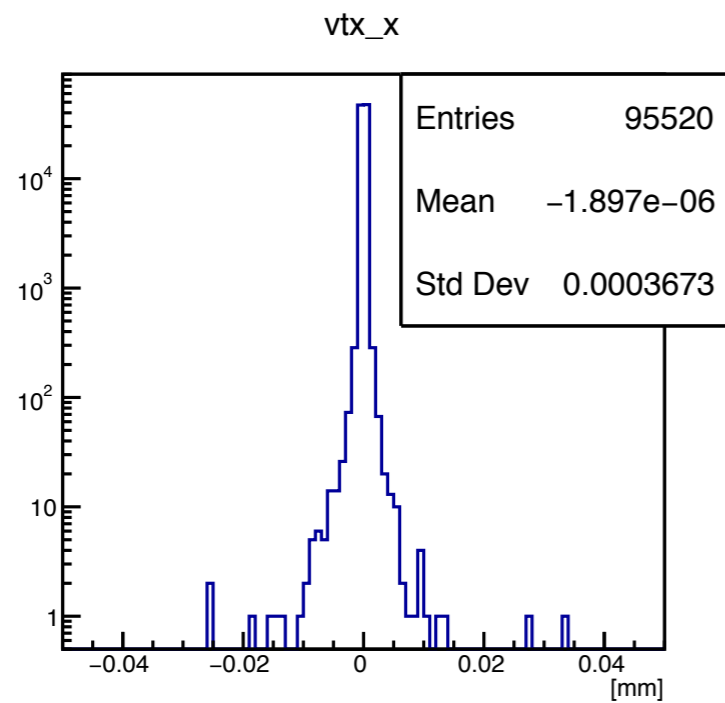
## log scale version



# s5



## log scale version



# LCFIPlus beamspot (constraint) smearing

- ❖ **Turned on for DBD, Turned off for the latest sample.**
  - ▶ Looking at the code, it seems to be used a default set of beam sizes :
  - ▶  $\sigma_x$  639e-6 mm
  - ▶  $\sigma_y$  5.7e-6 mm
  - ▶  $\sigma_z$  9.13e-2 mm
- ❖ **This function runs during vertexing.**