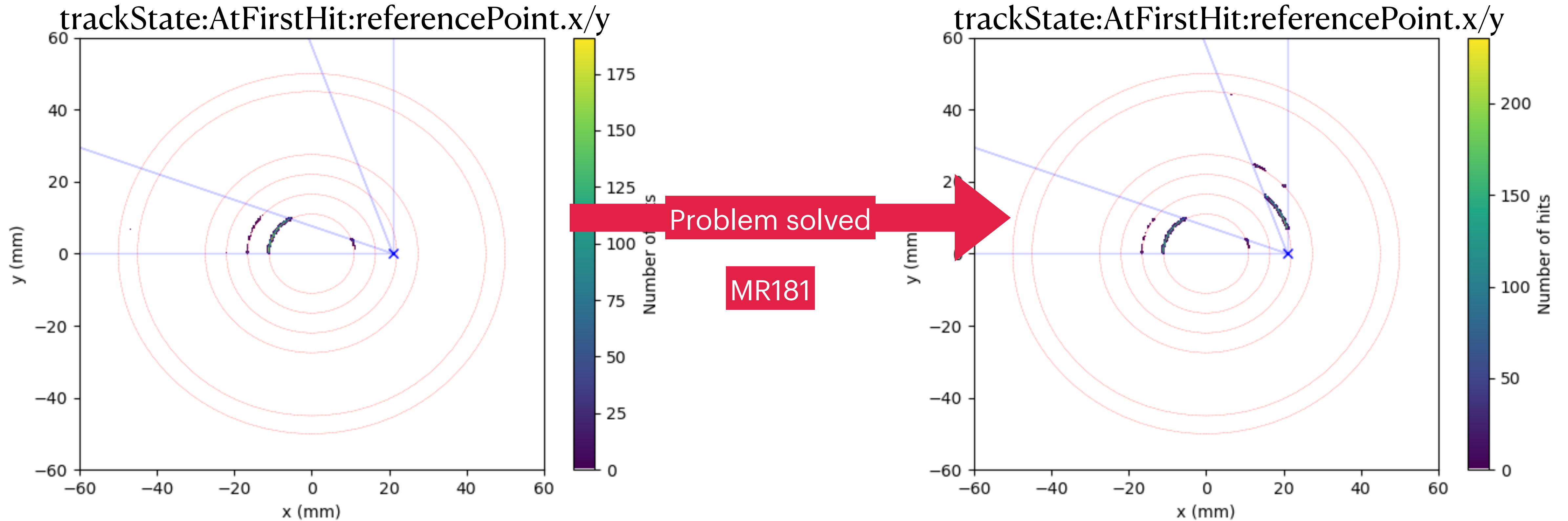


Trk, Vtx

C.Zhang/27Dec2024

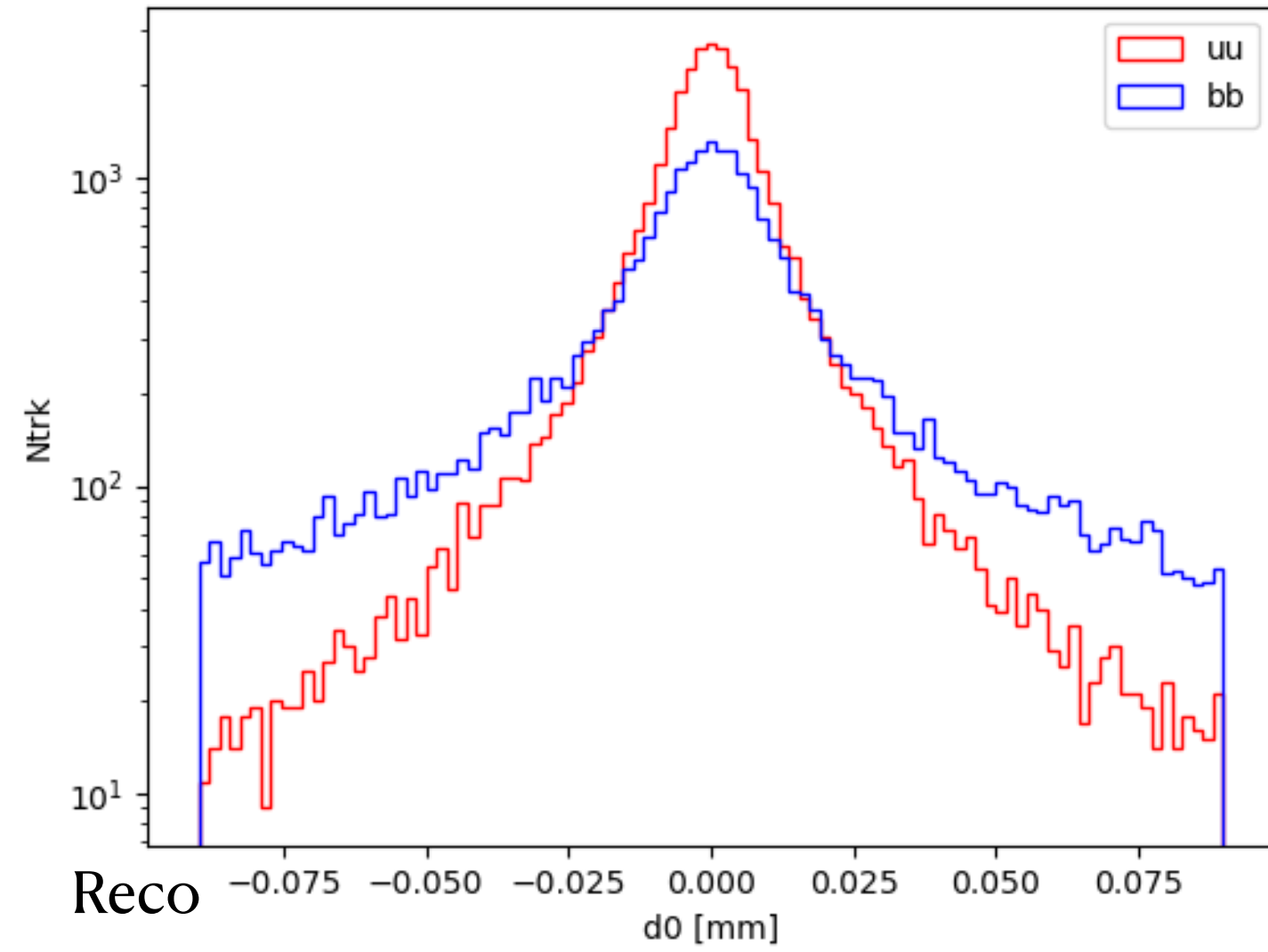
The missing first hit issue

- Particle-gun μ^+ (μ^-) from (21,0,0), momenta=5GeV, $\theta = 85^\circ$, $\phi = 90^\circ \sim 100^\circ$ ($160^\circ \sim 180^\circ$)

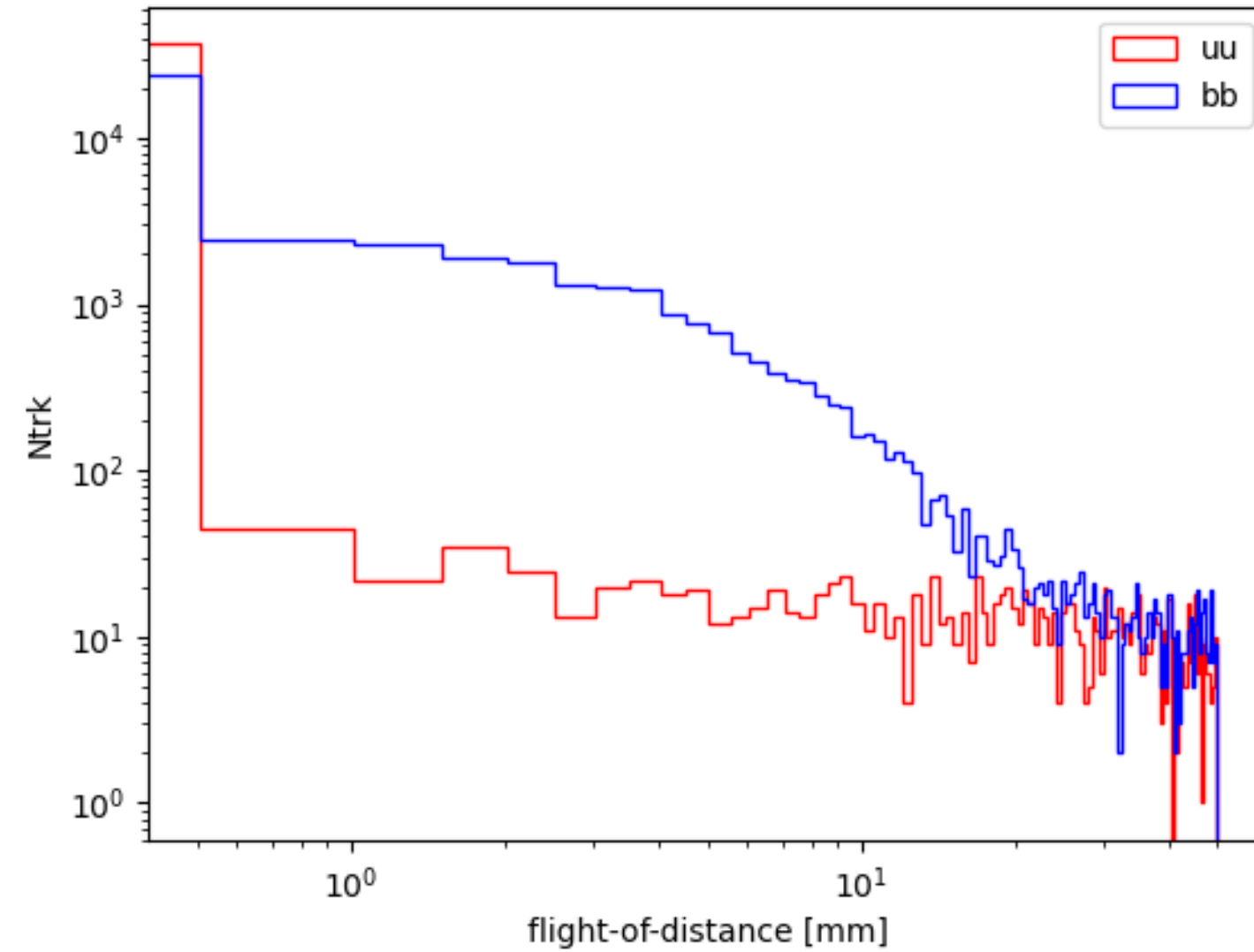


Sanity plots for vertex

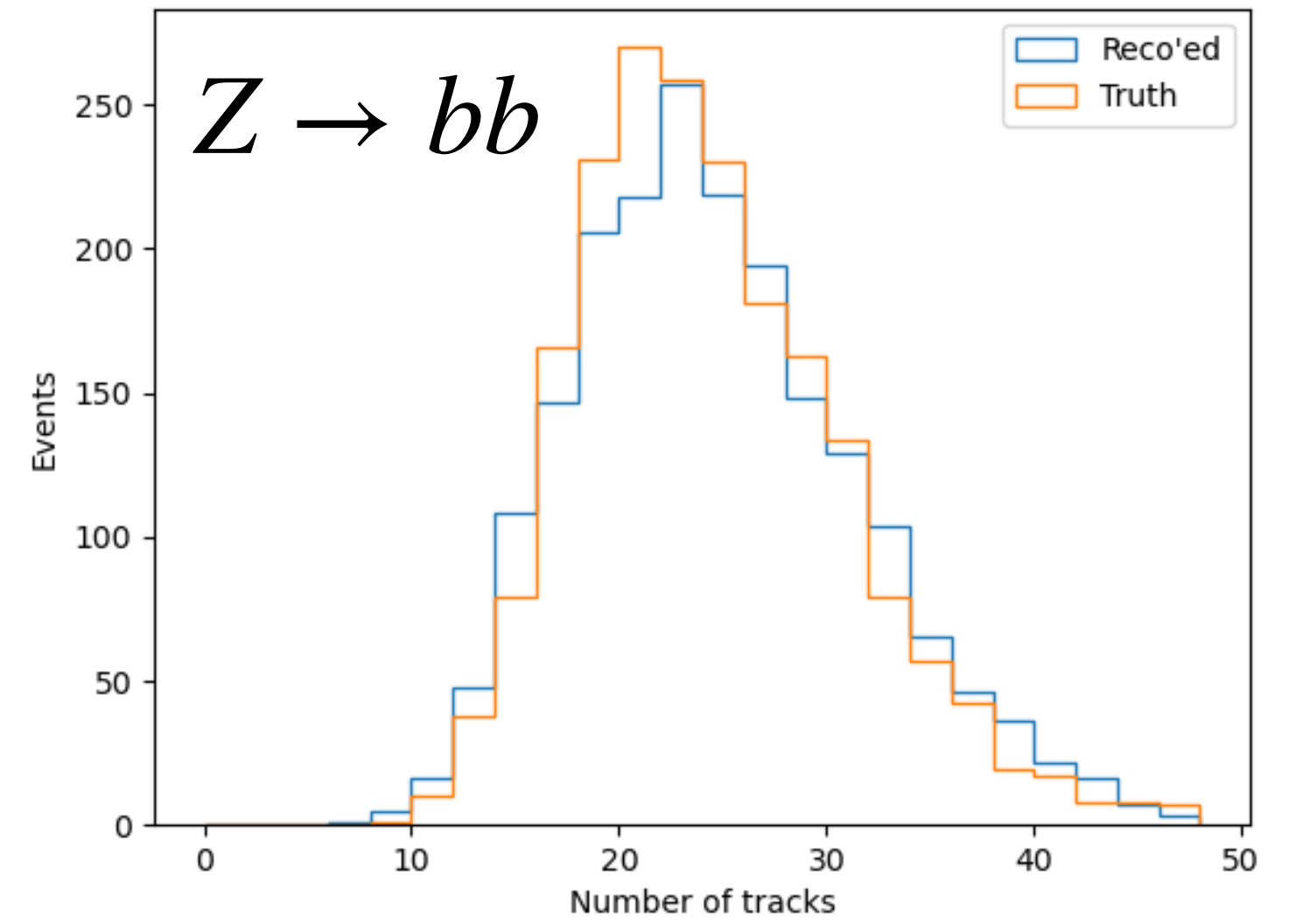
Reco
 d_0 distributions for Zuu and Zbb



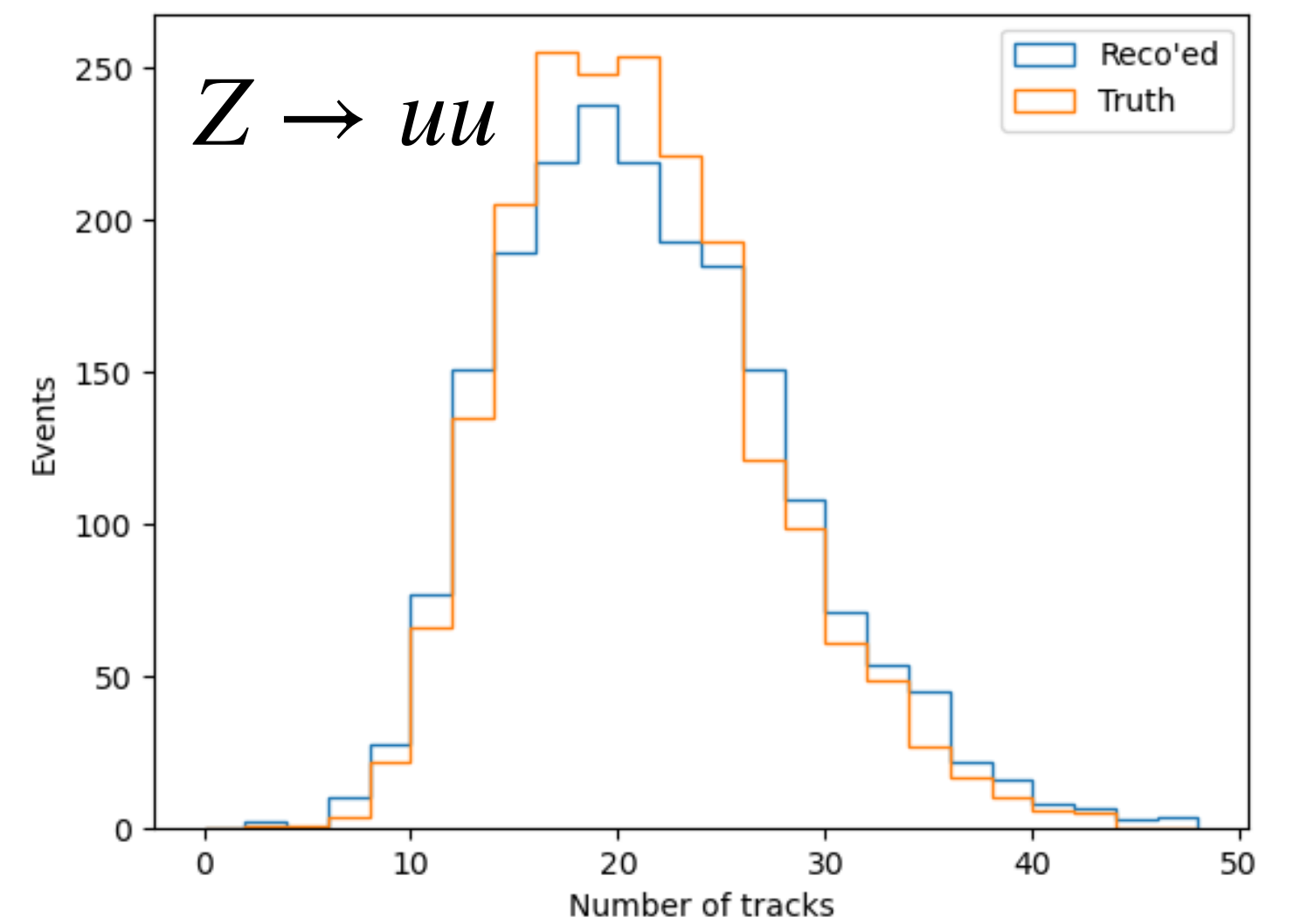
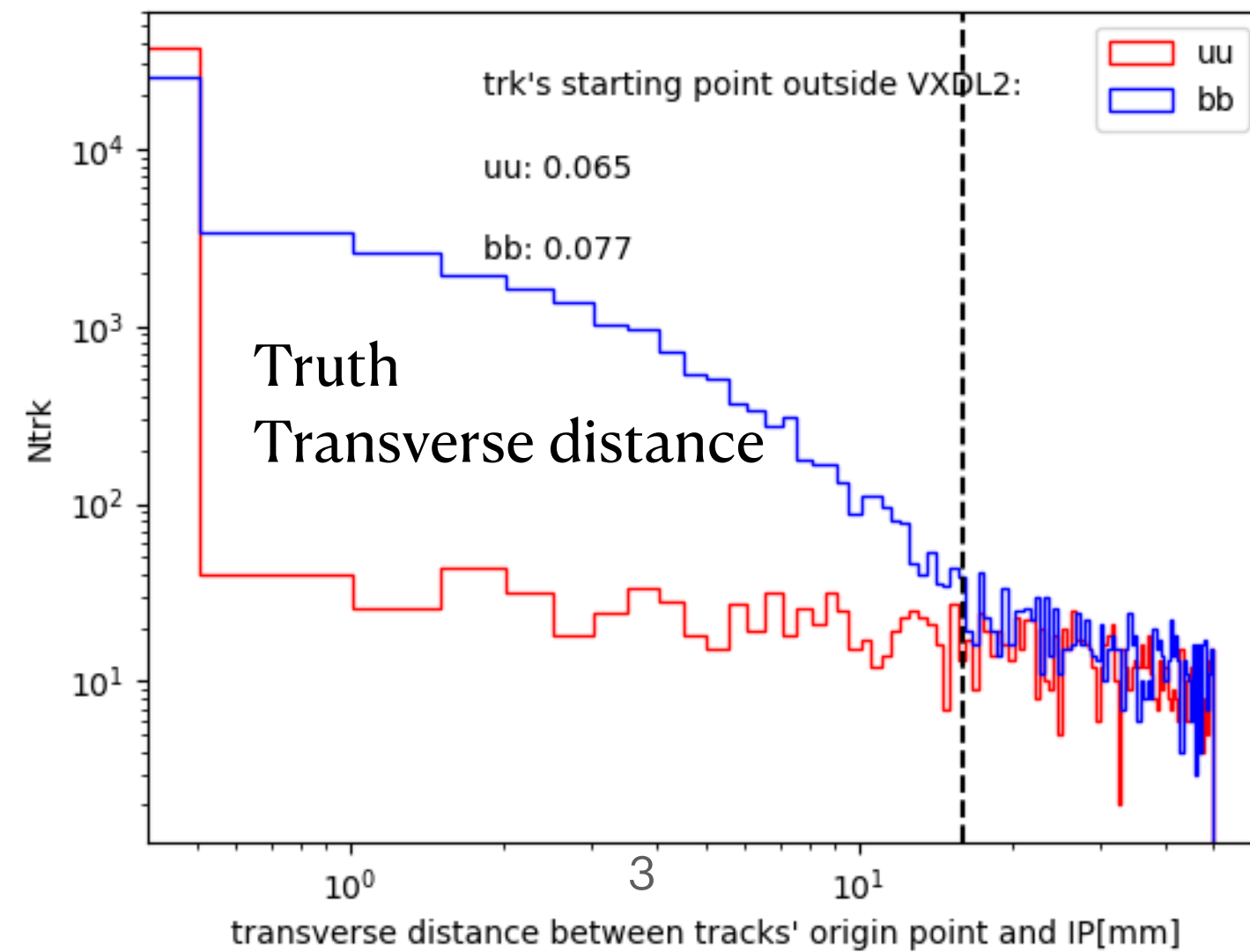
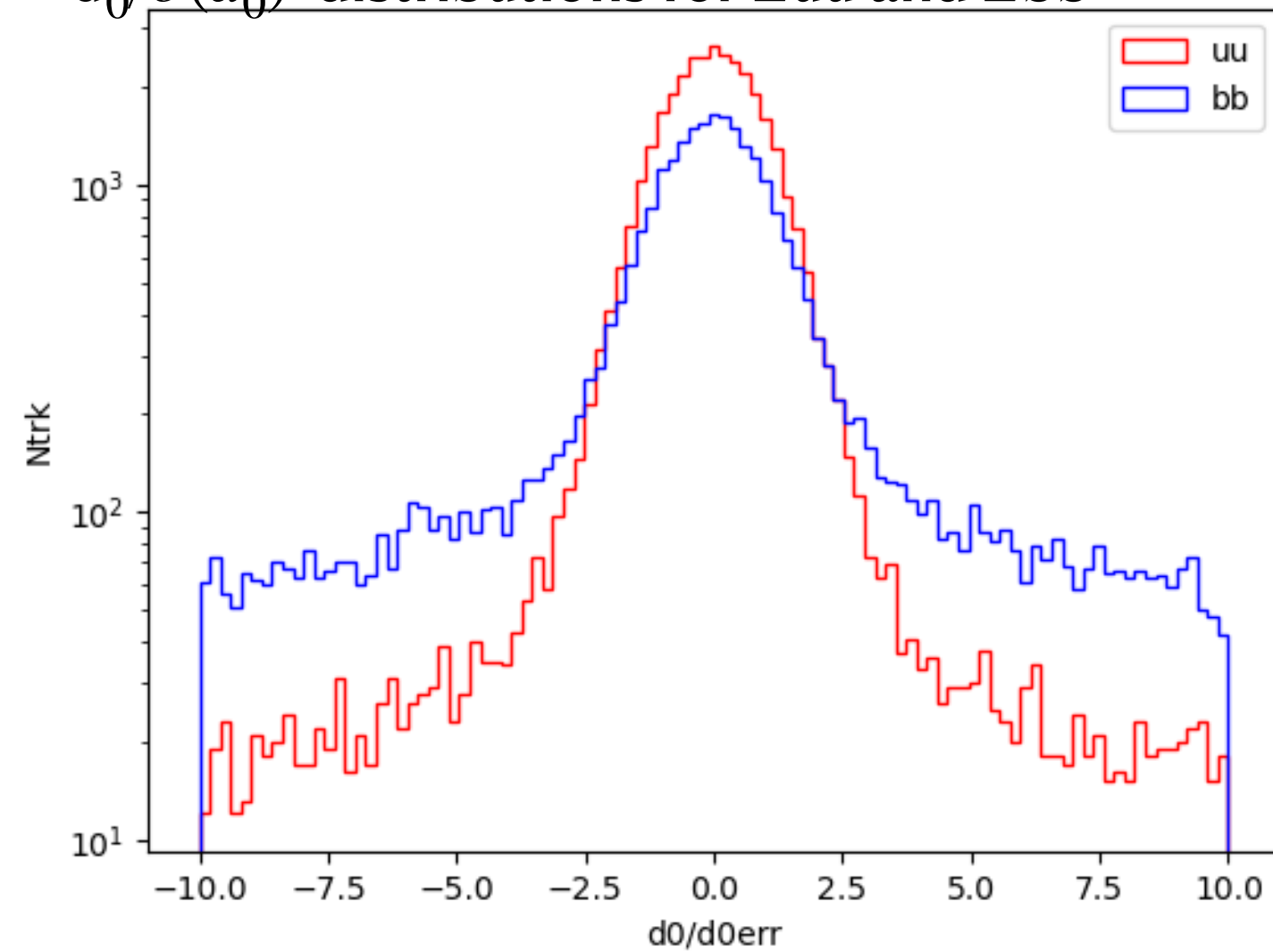
Truth
3D distance between track starting point and IP



Number of tracks in "CompleteTracks"
VS.
Number of Charged & Stable MCParticle

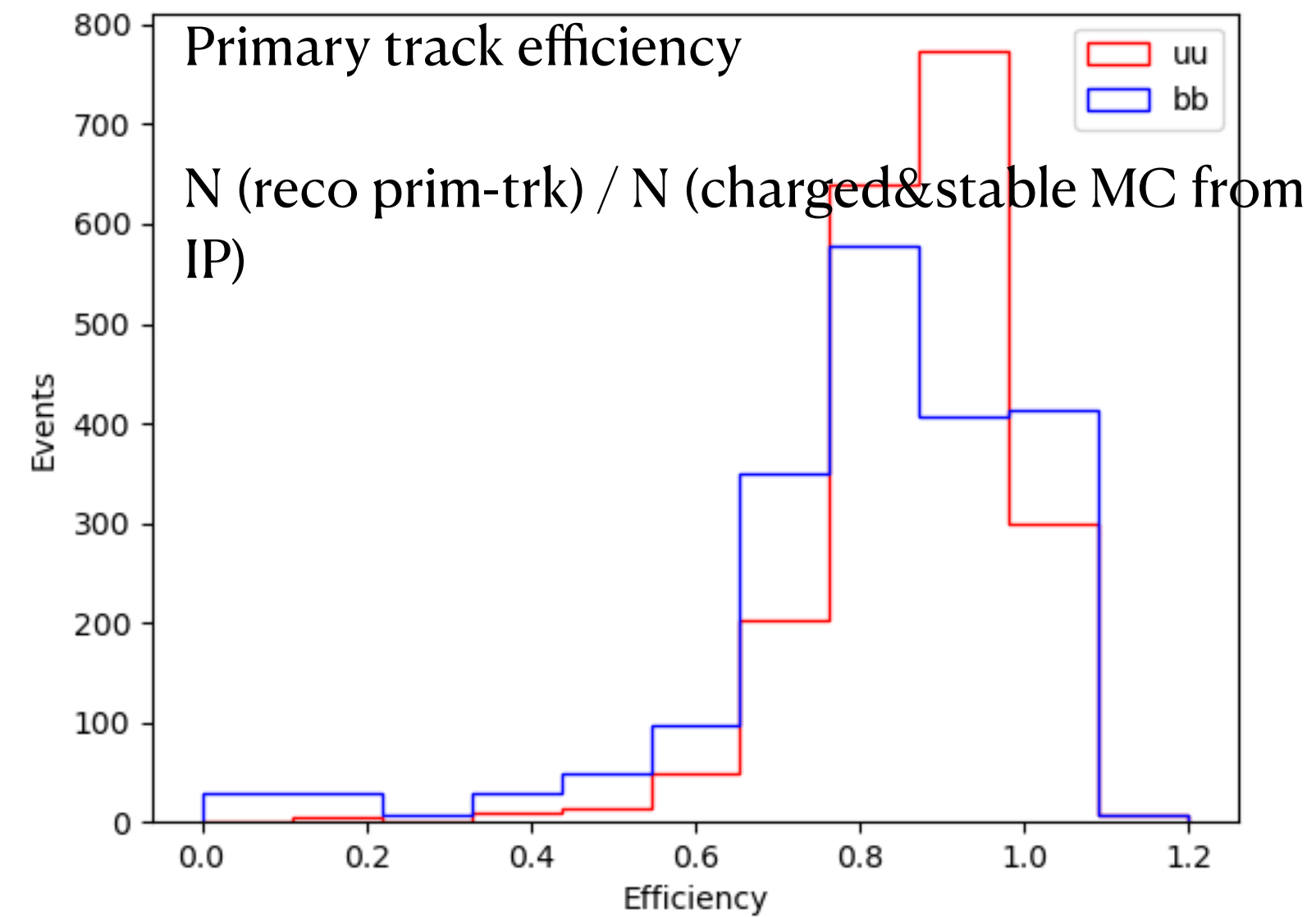
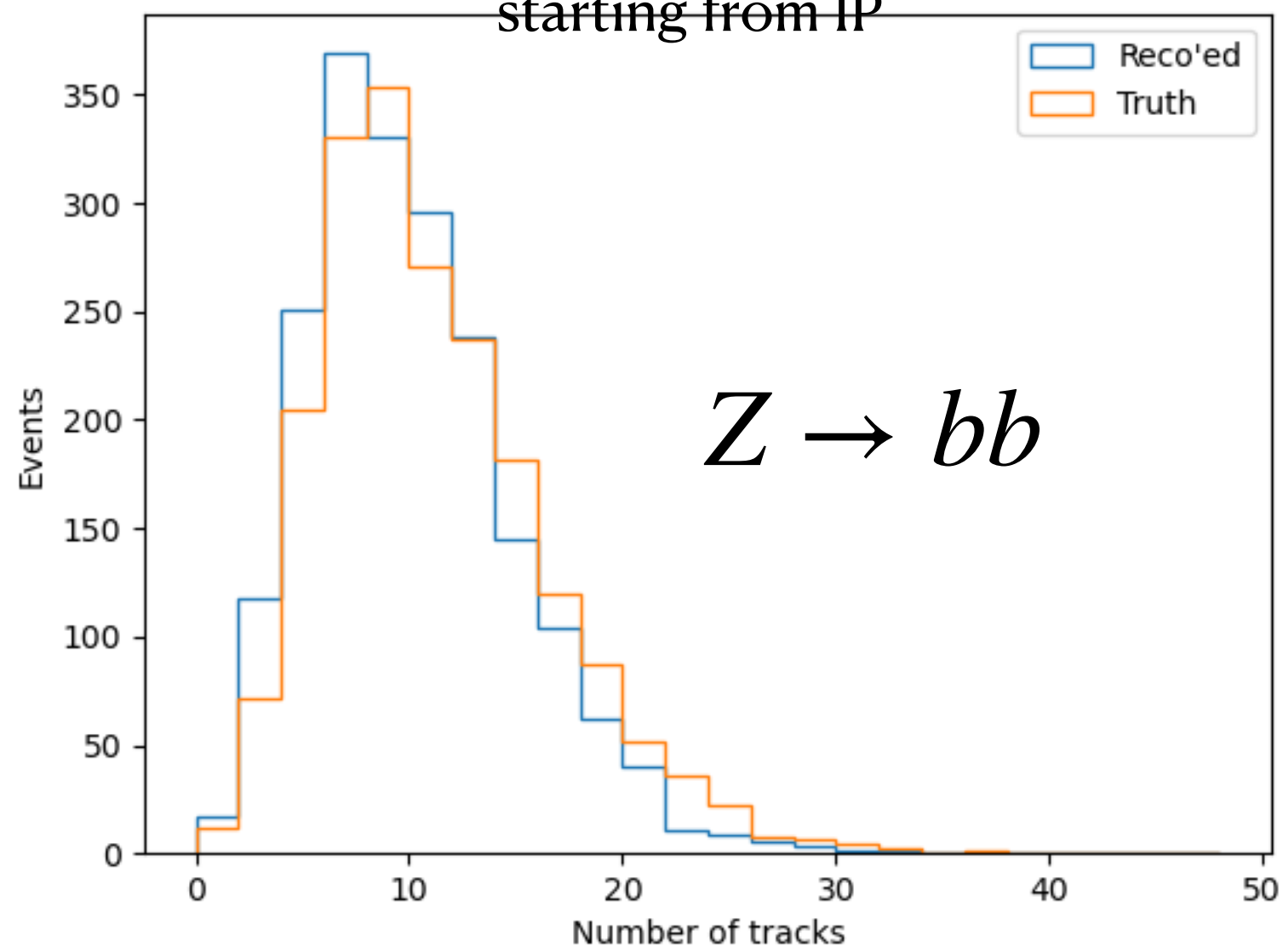


Reco
 $d_0/\sigma(d_0)$ distributions for Zuu and Zbb

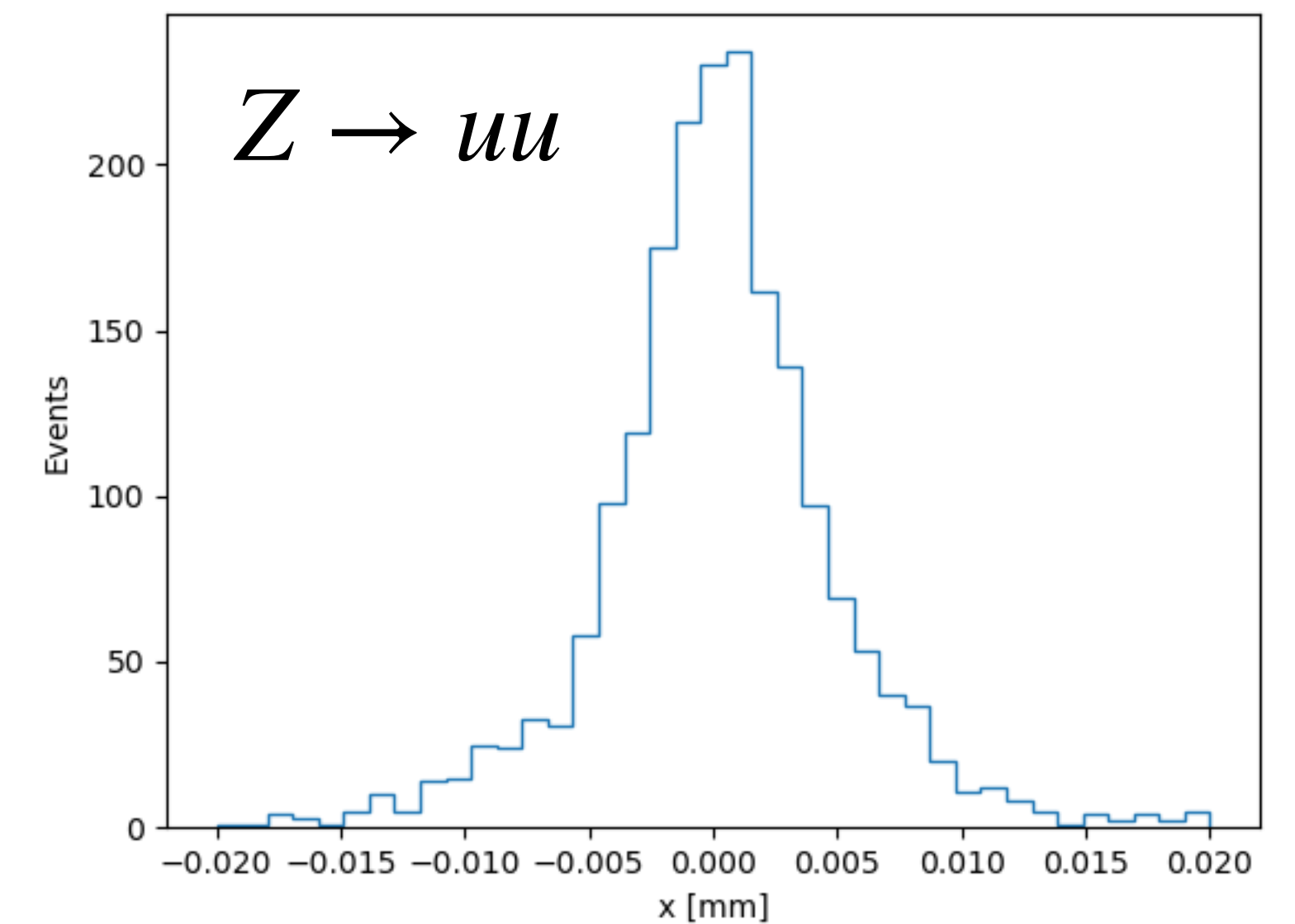
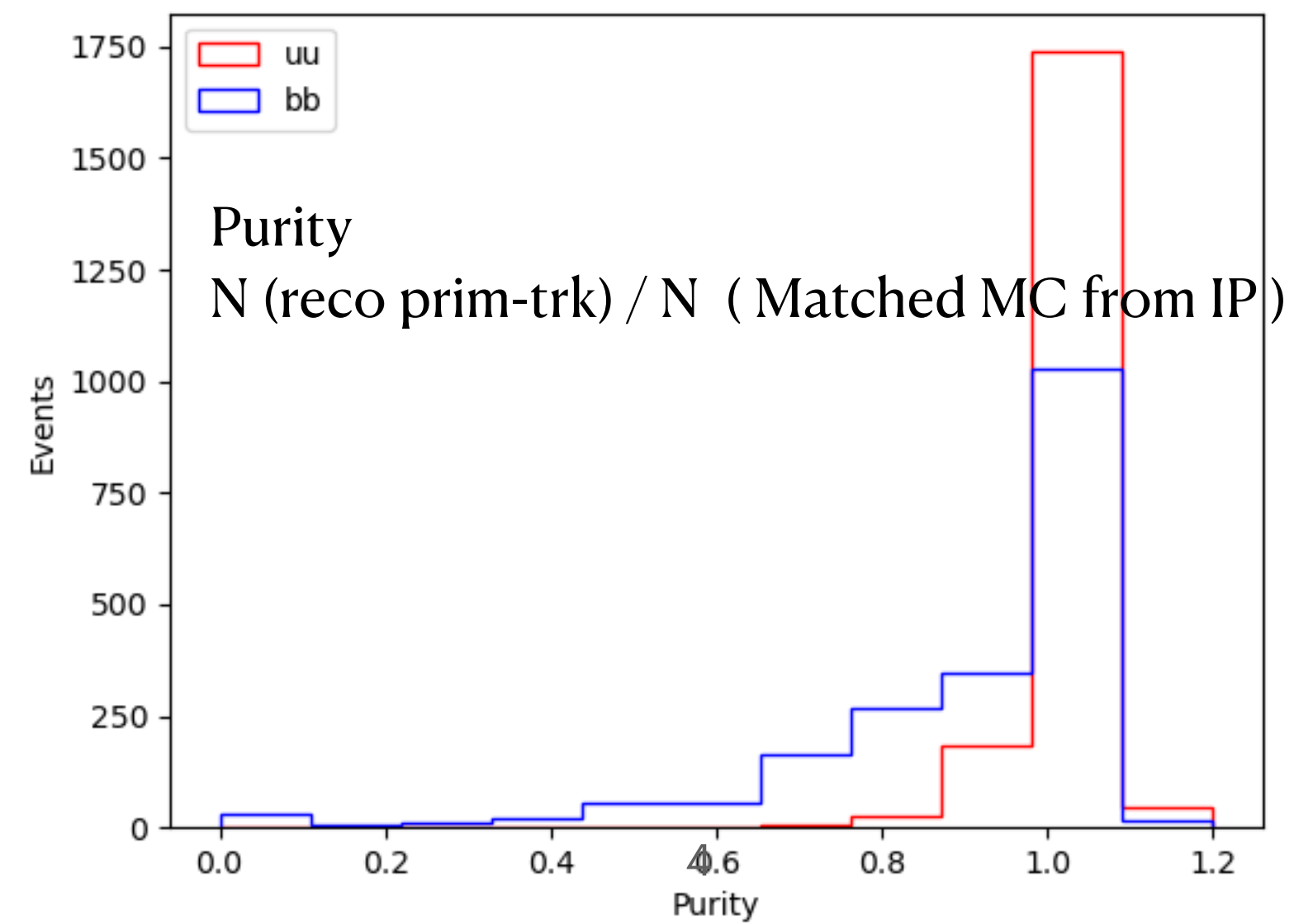
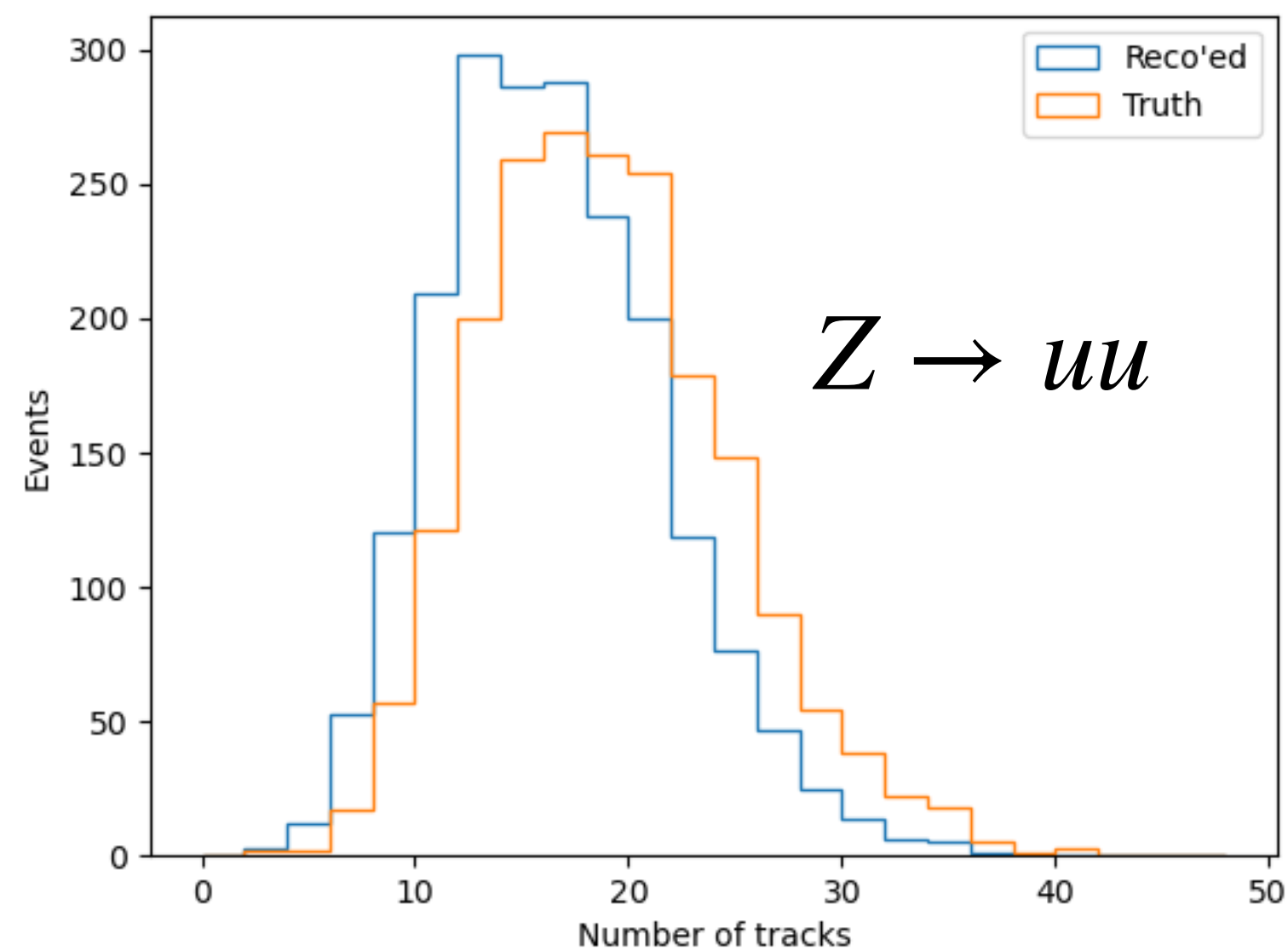
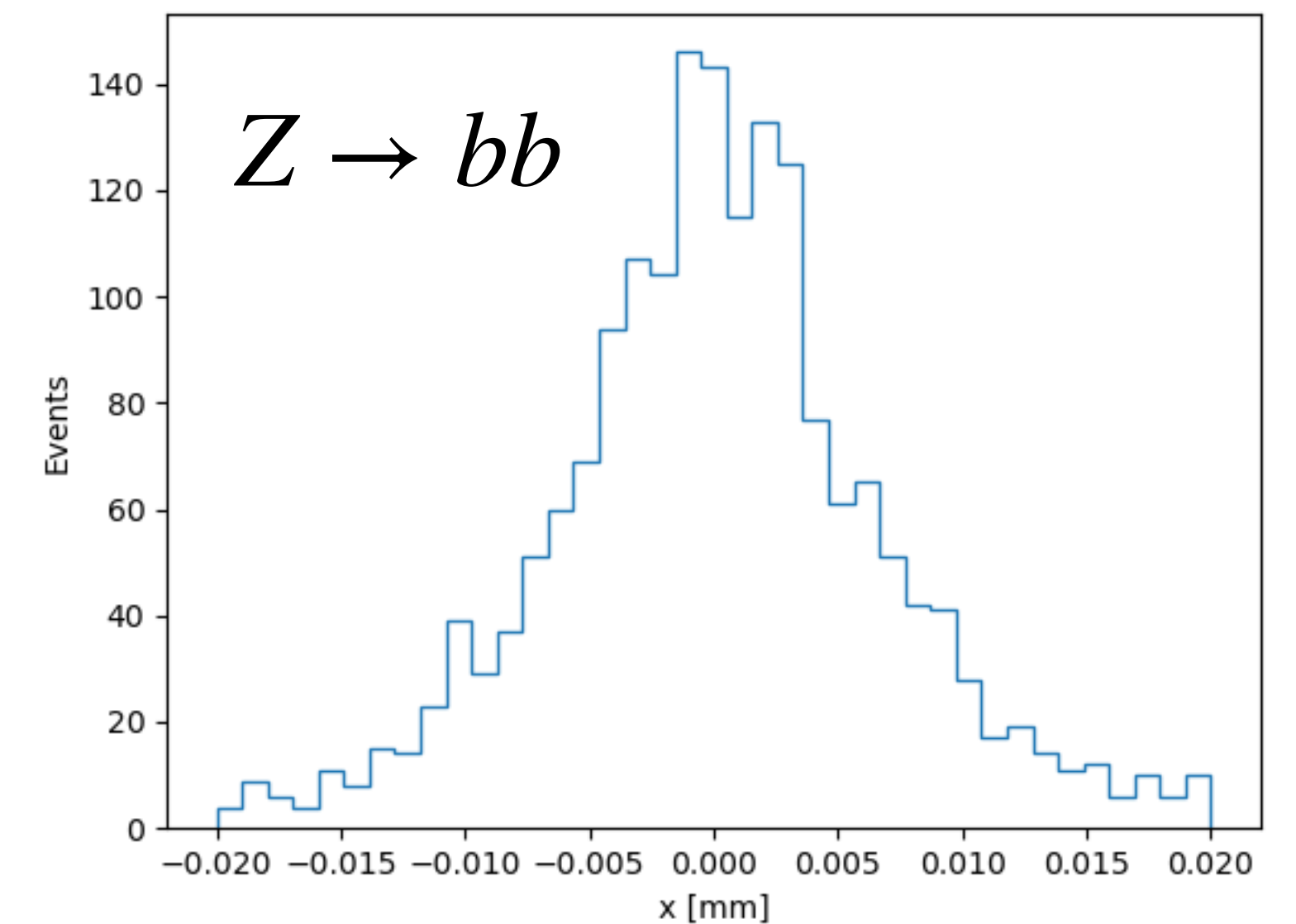


PV for Z to uu/bb

Number of primary tracks
VS.
Number of Charged & Stable MCParticle
starting from IP



Primary vertex precision



SV for Z to uu/bb

Number of tracks for SV reconstruction, in progress..

