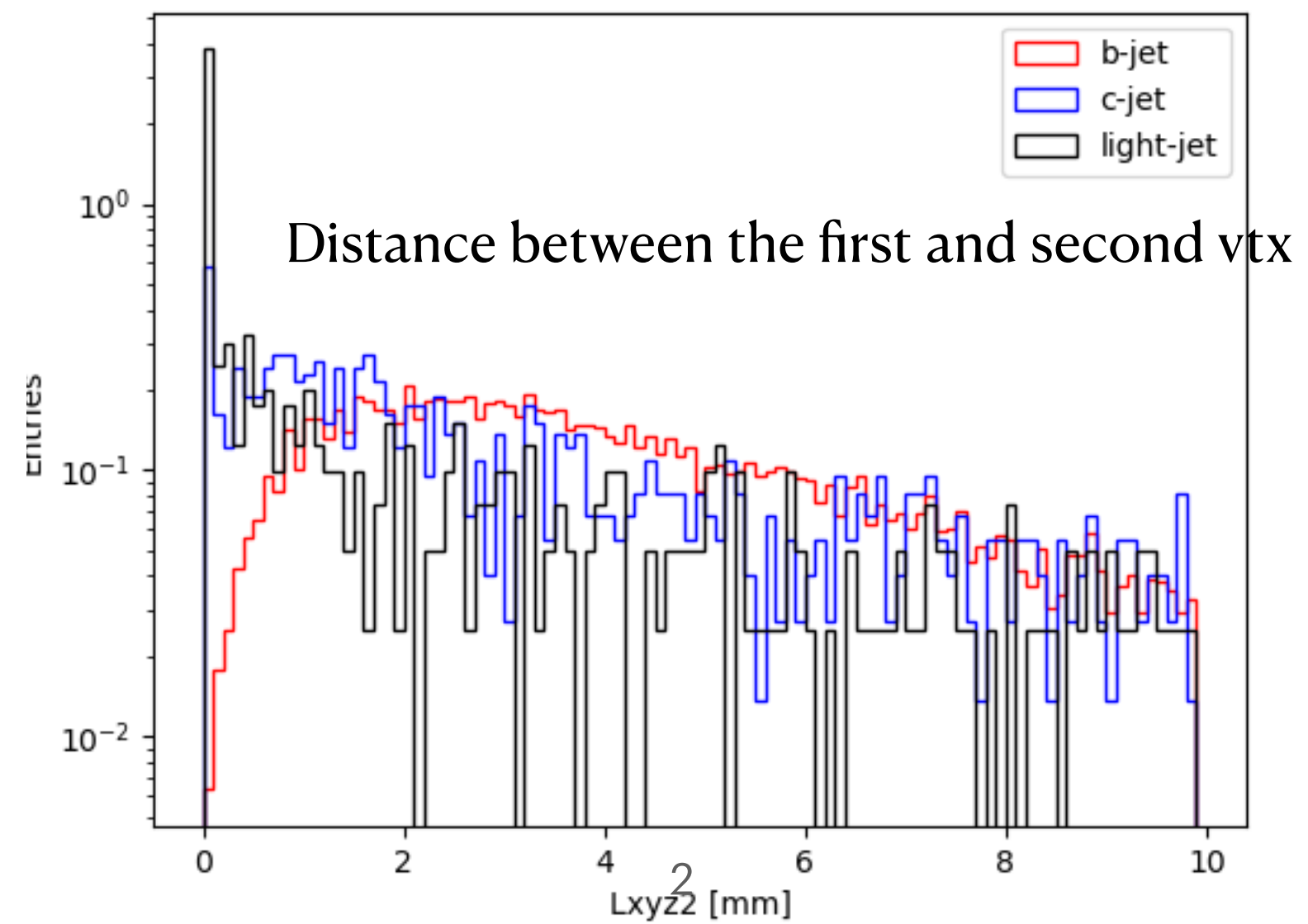
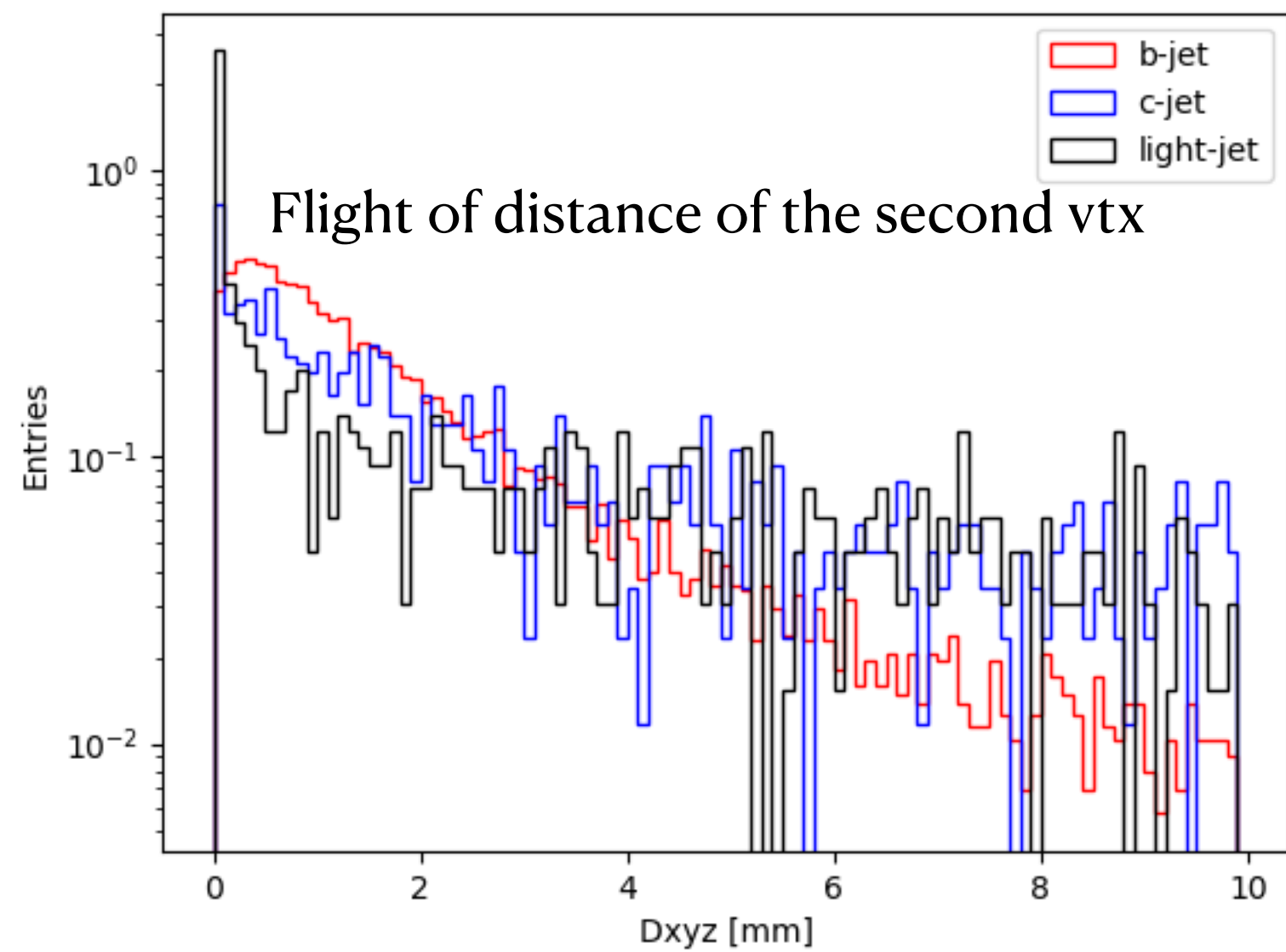
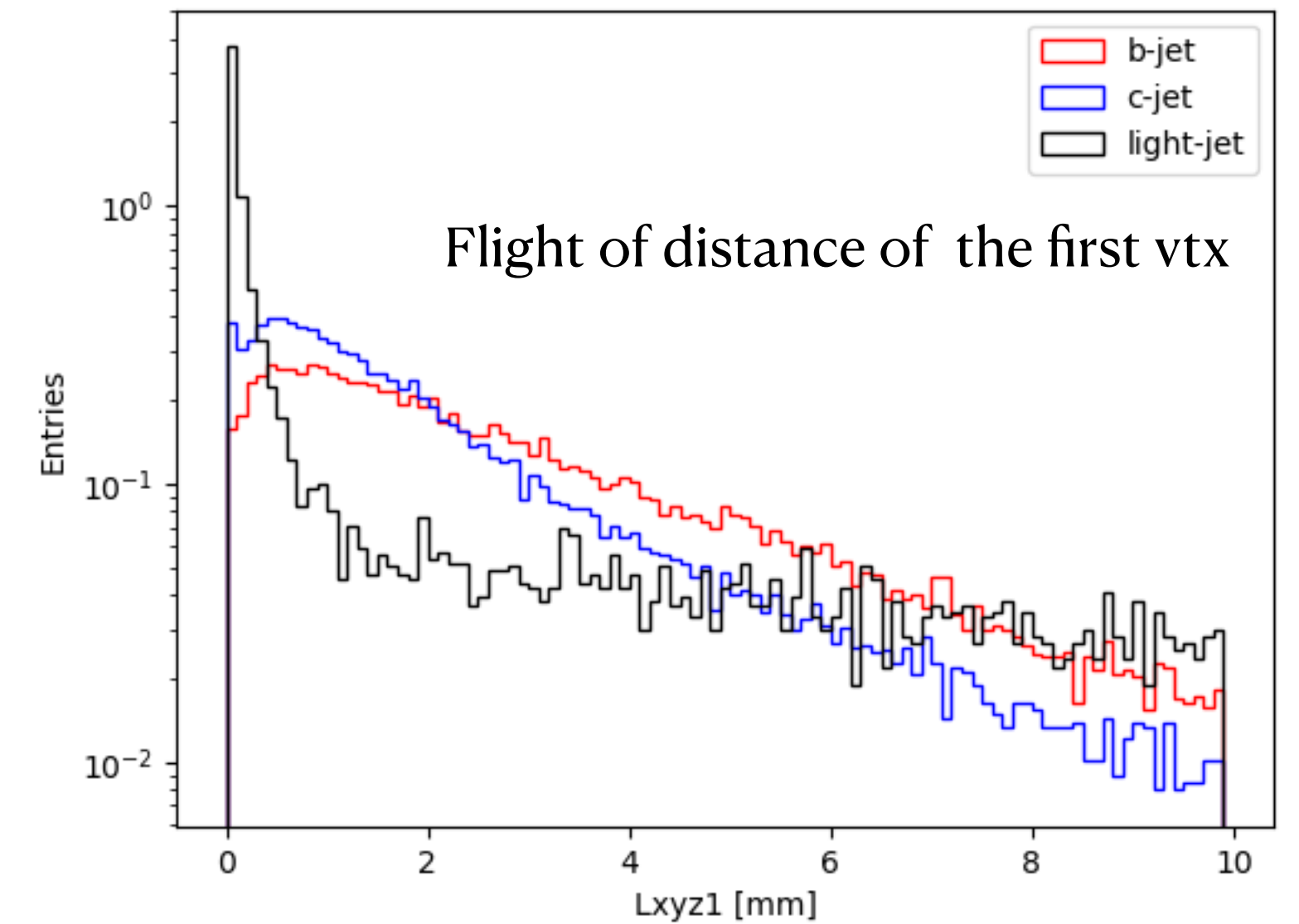
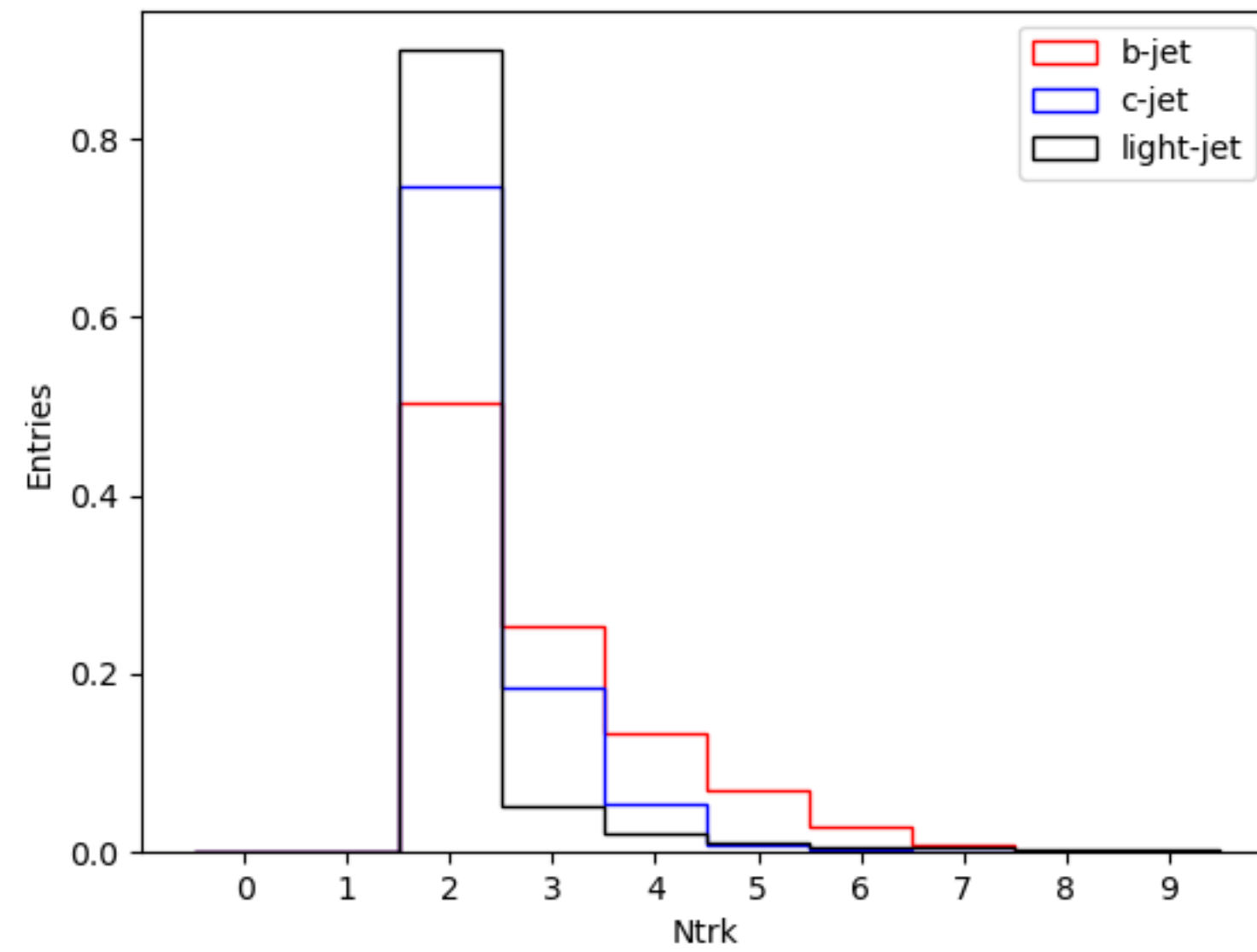
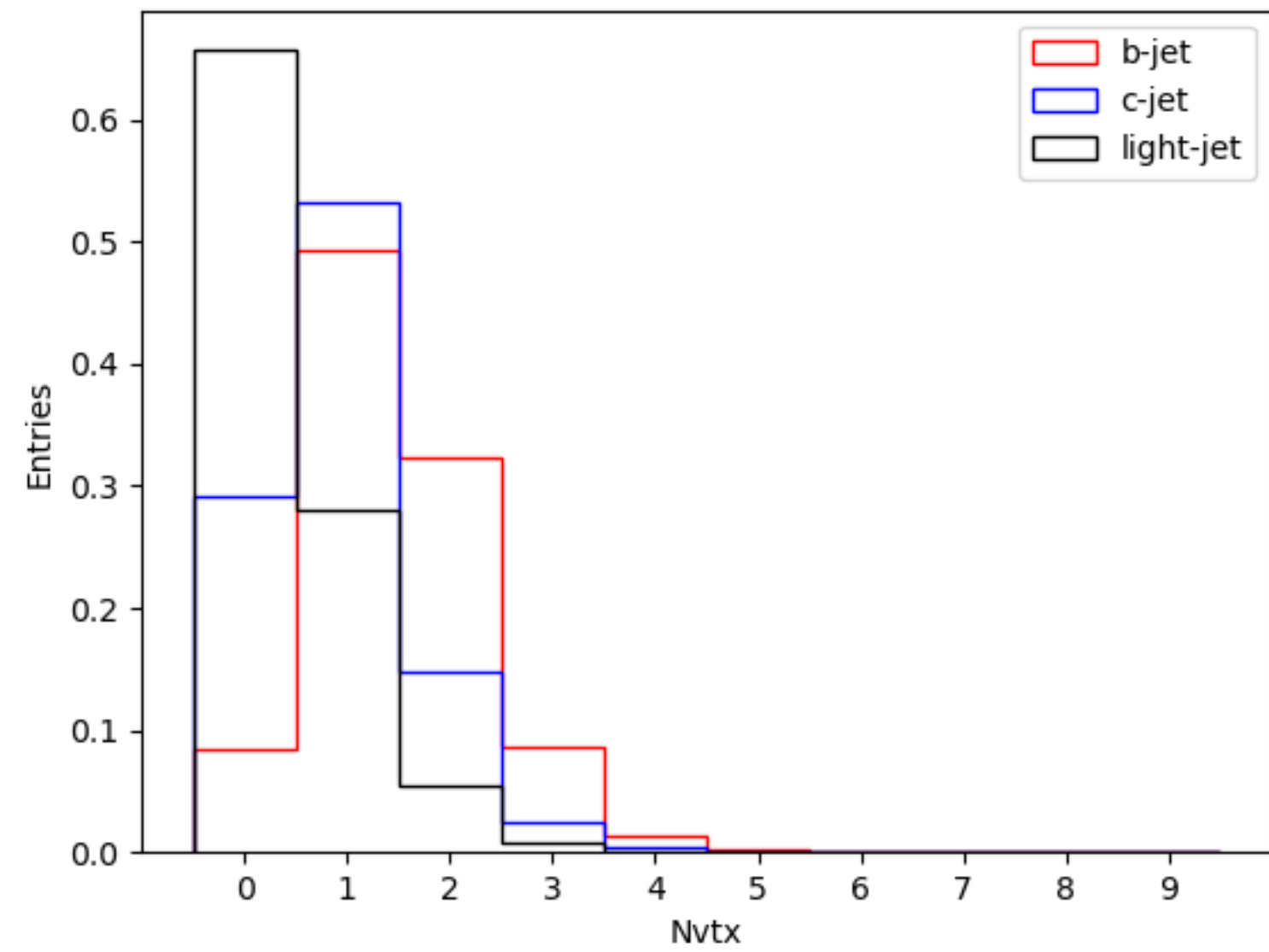


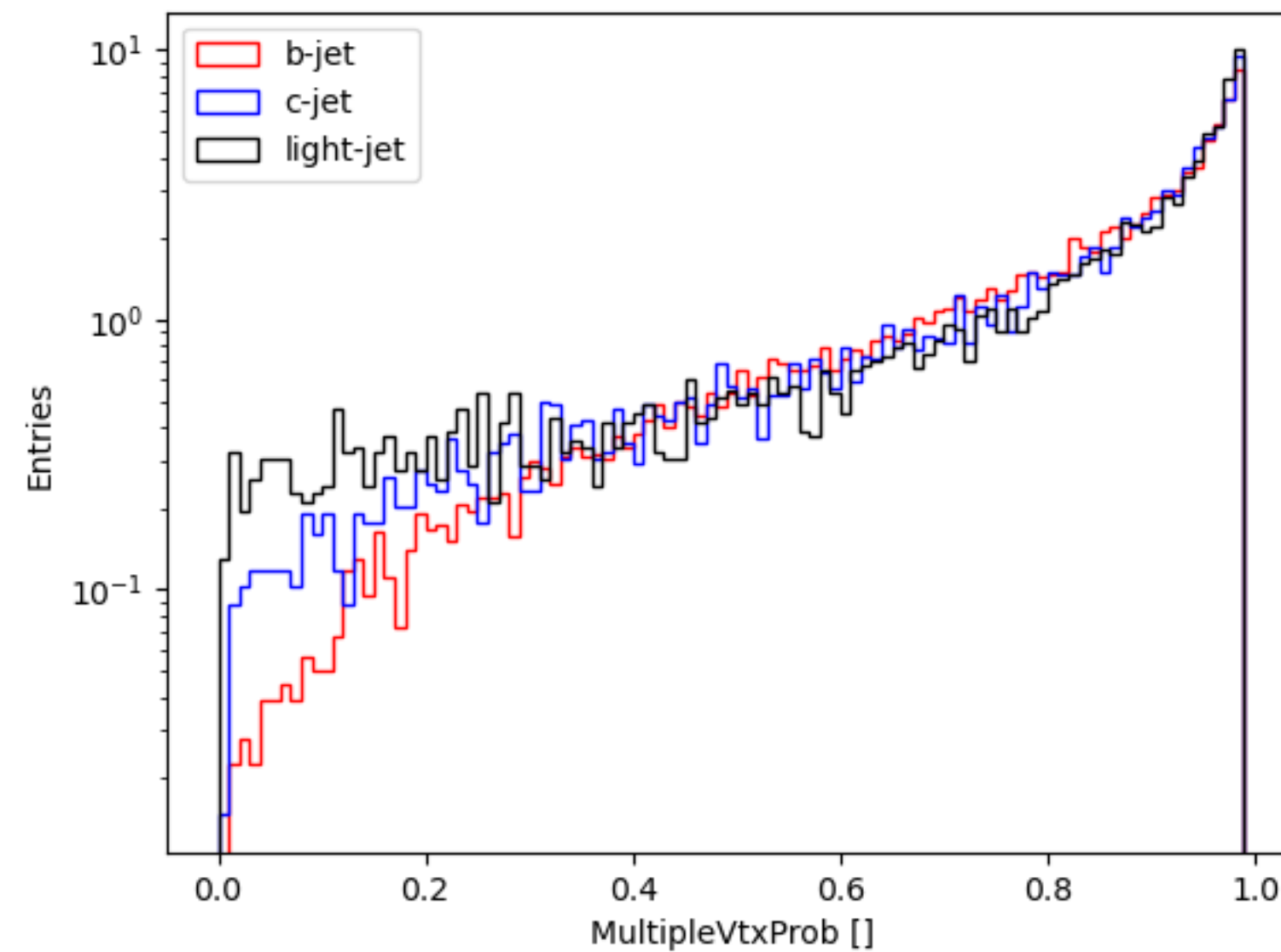
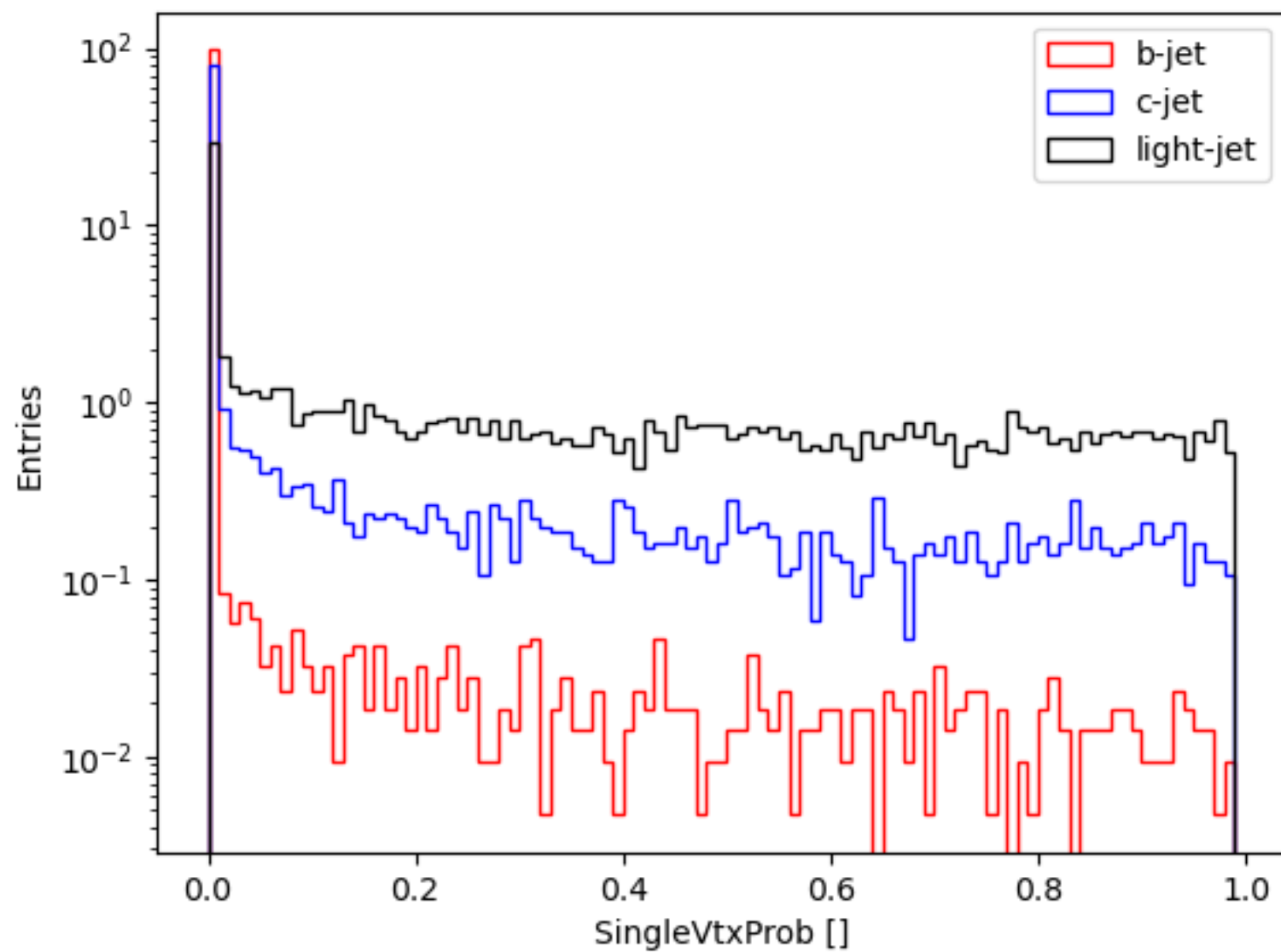
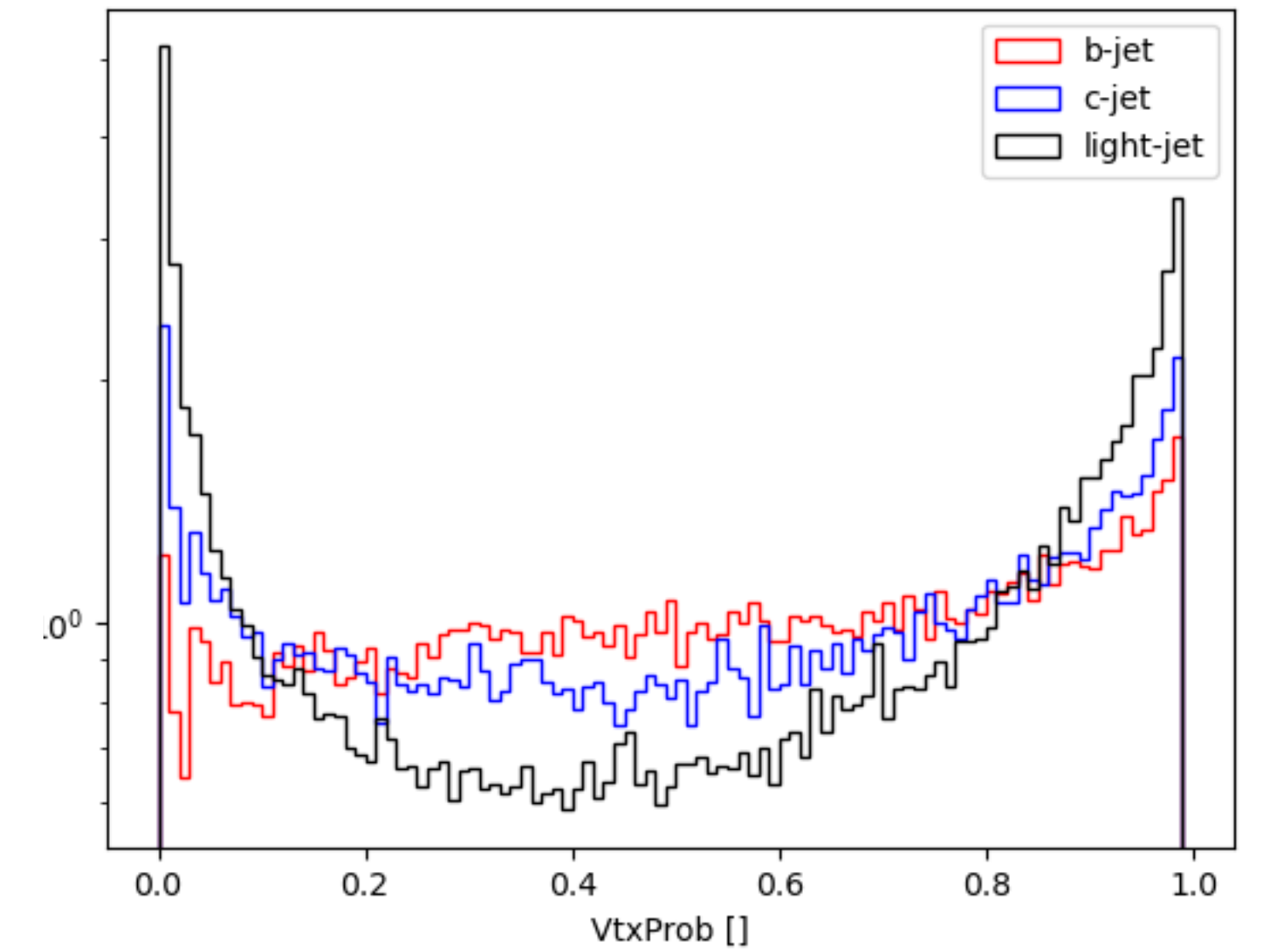
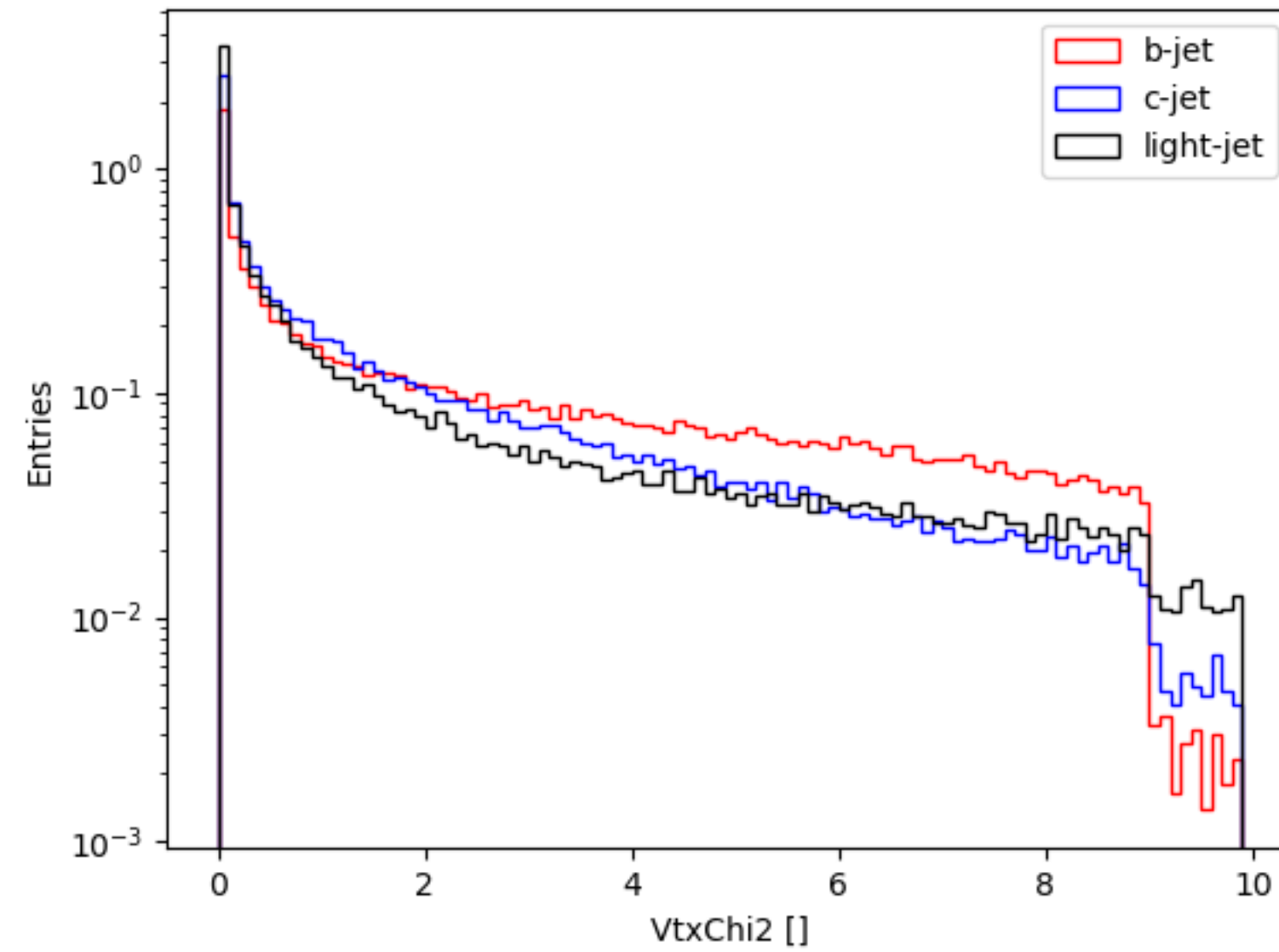
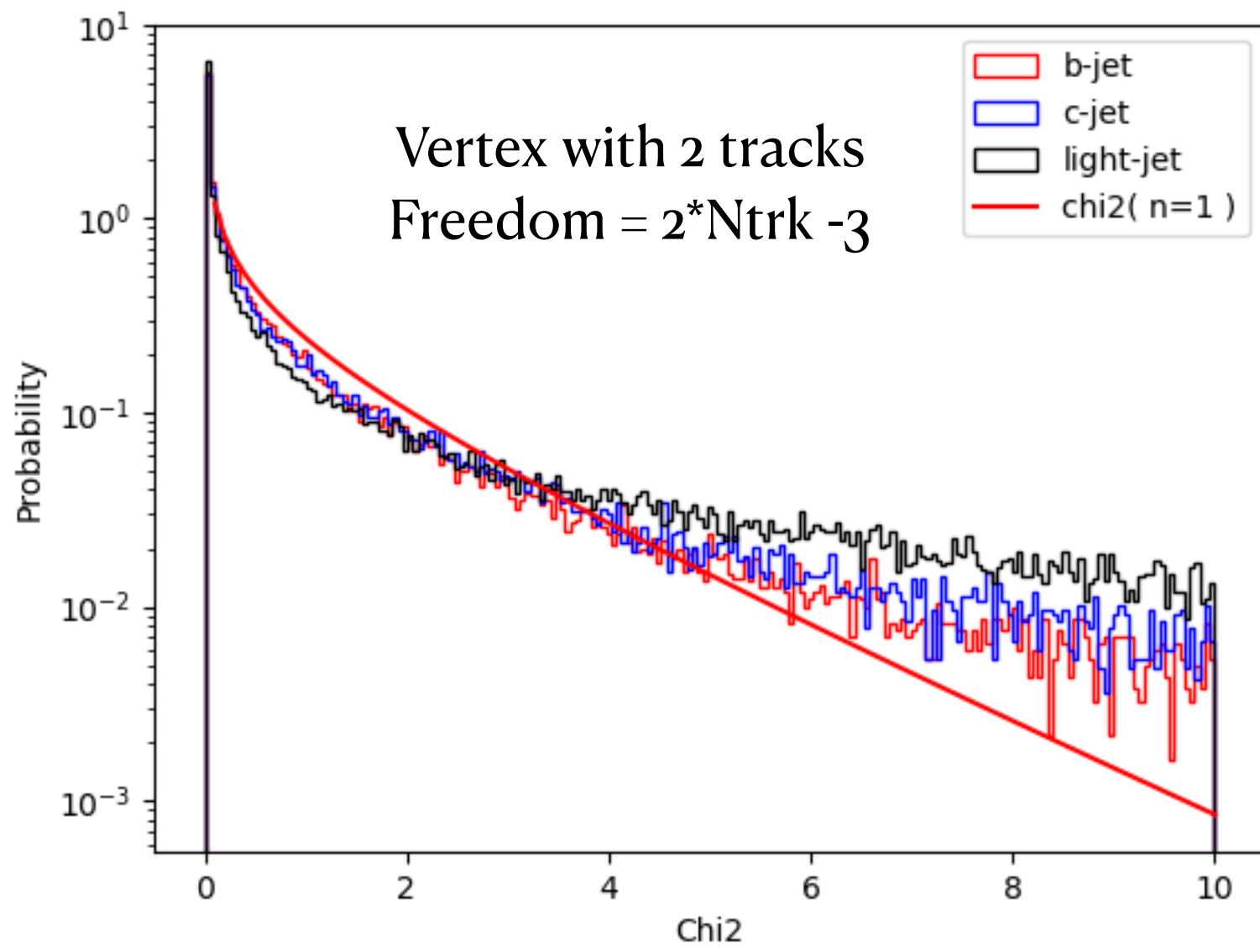
Jet-Tagging with LCFIPlus

C.Zhang/28Feb2025

Sanity Plots

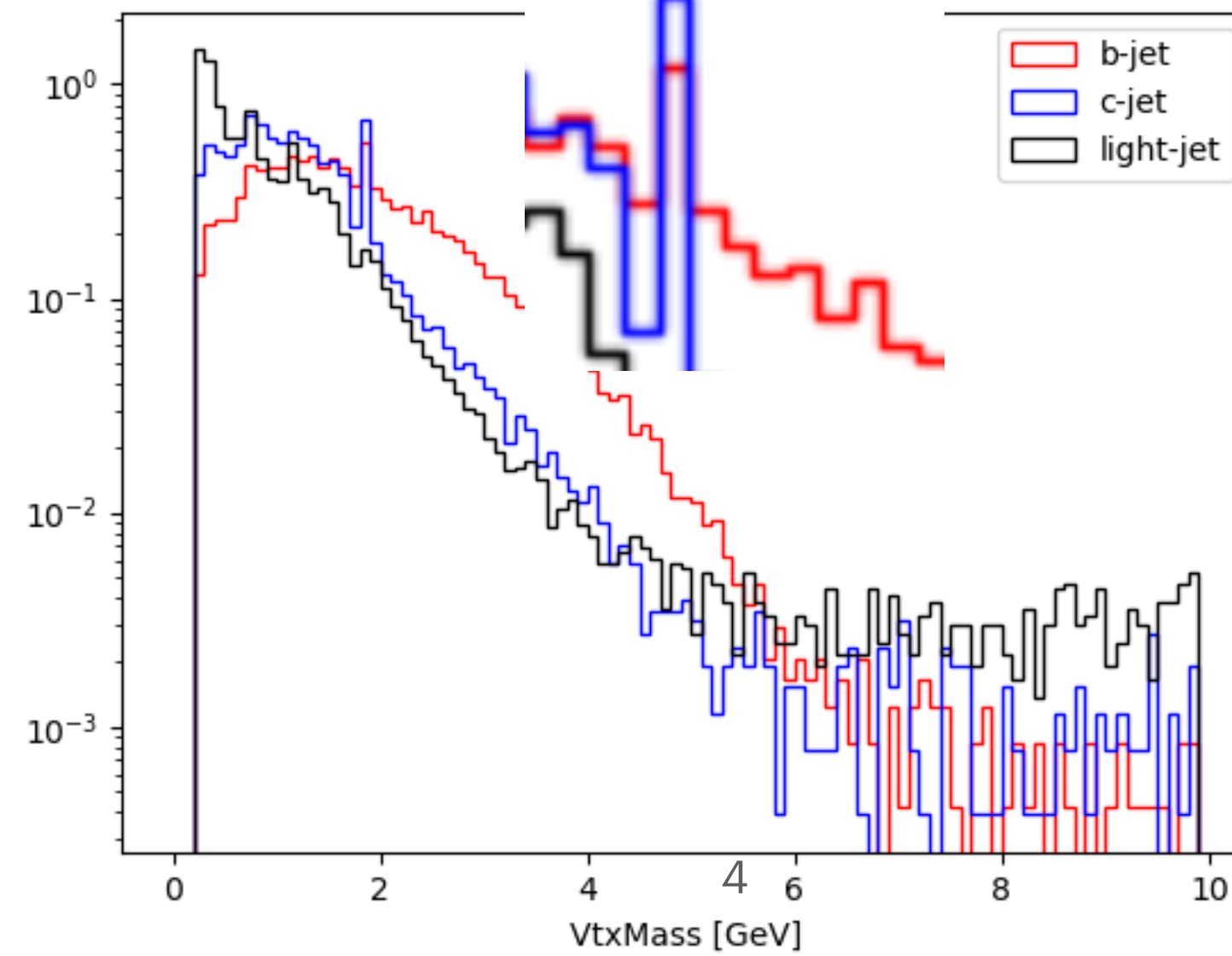
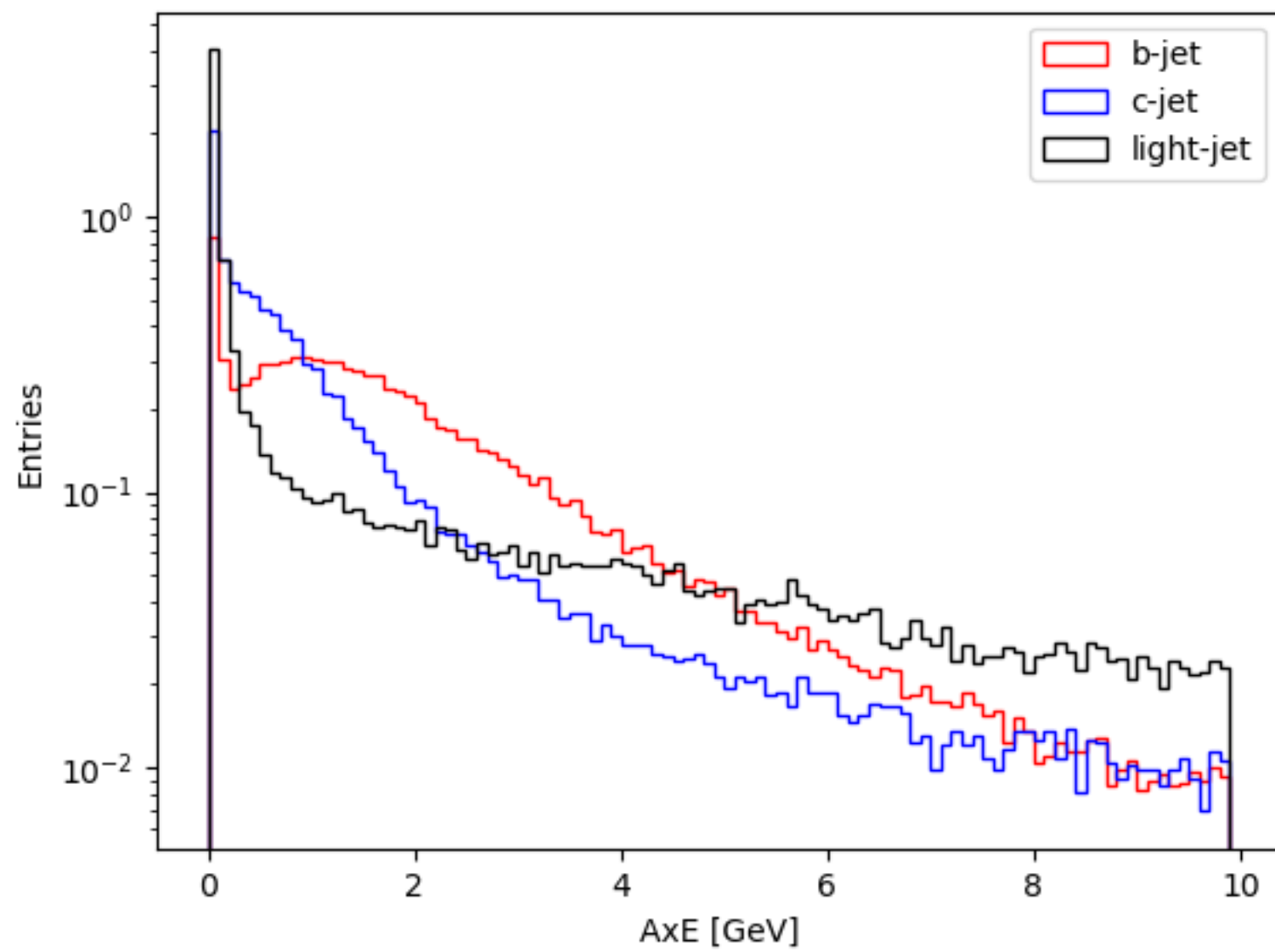
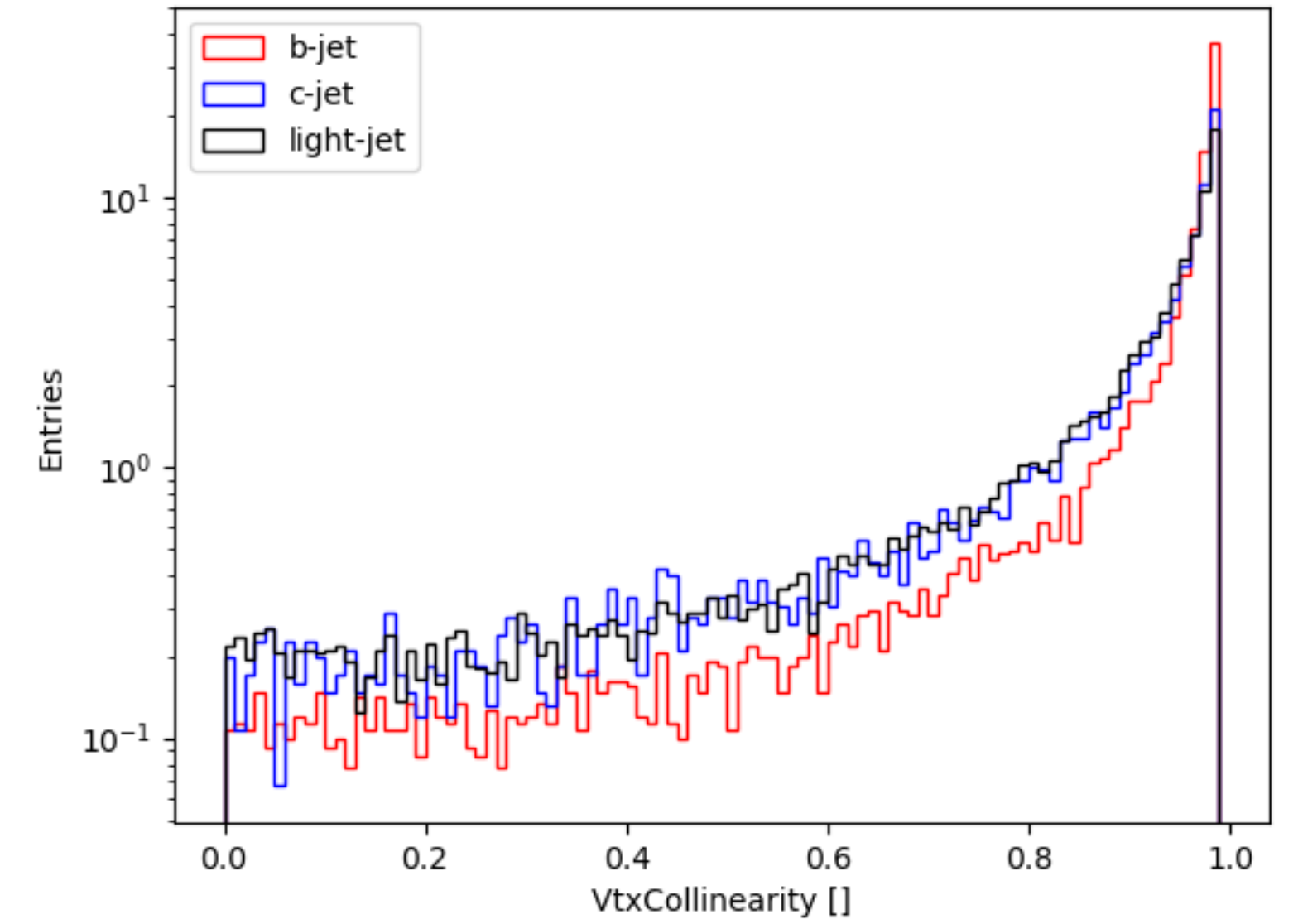
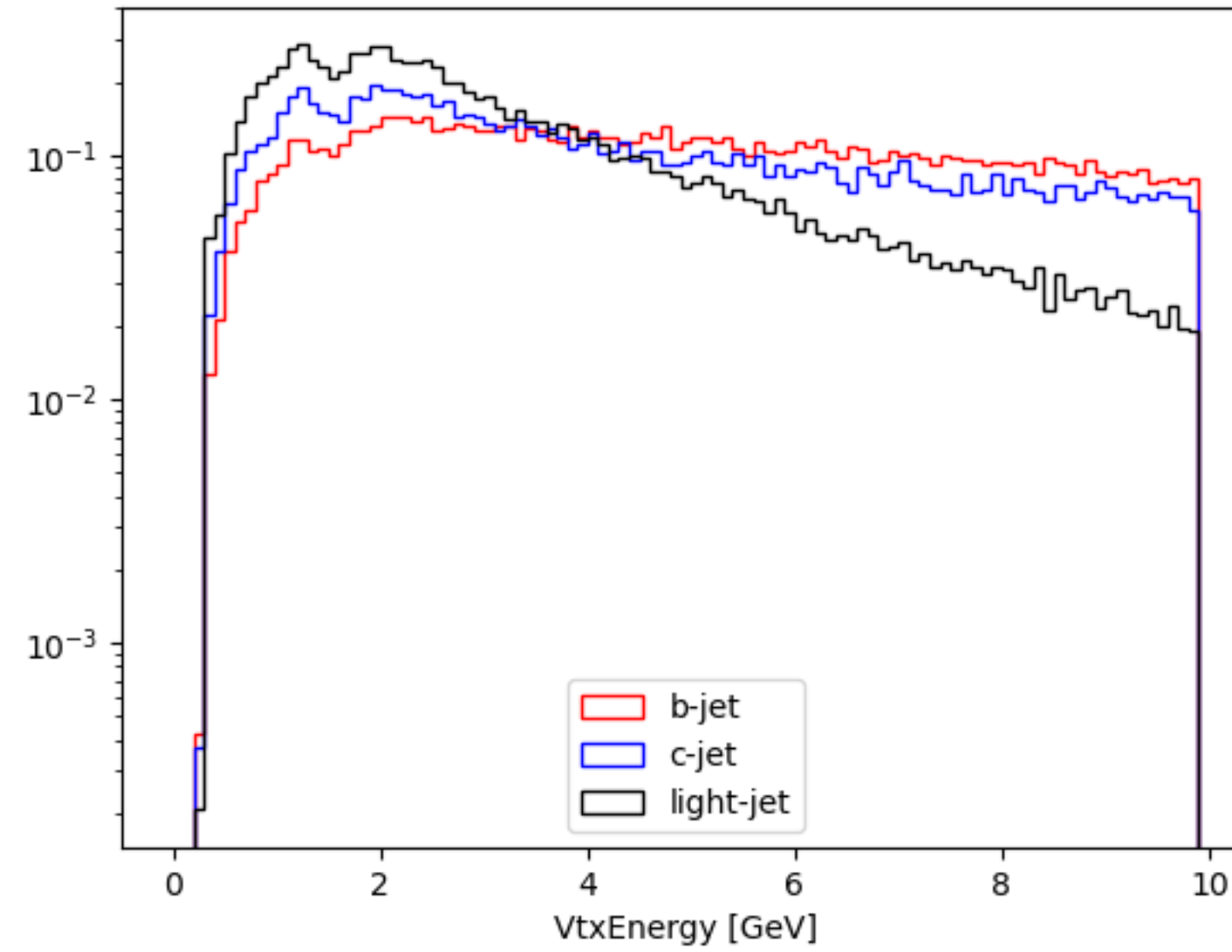
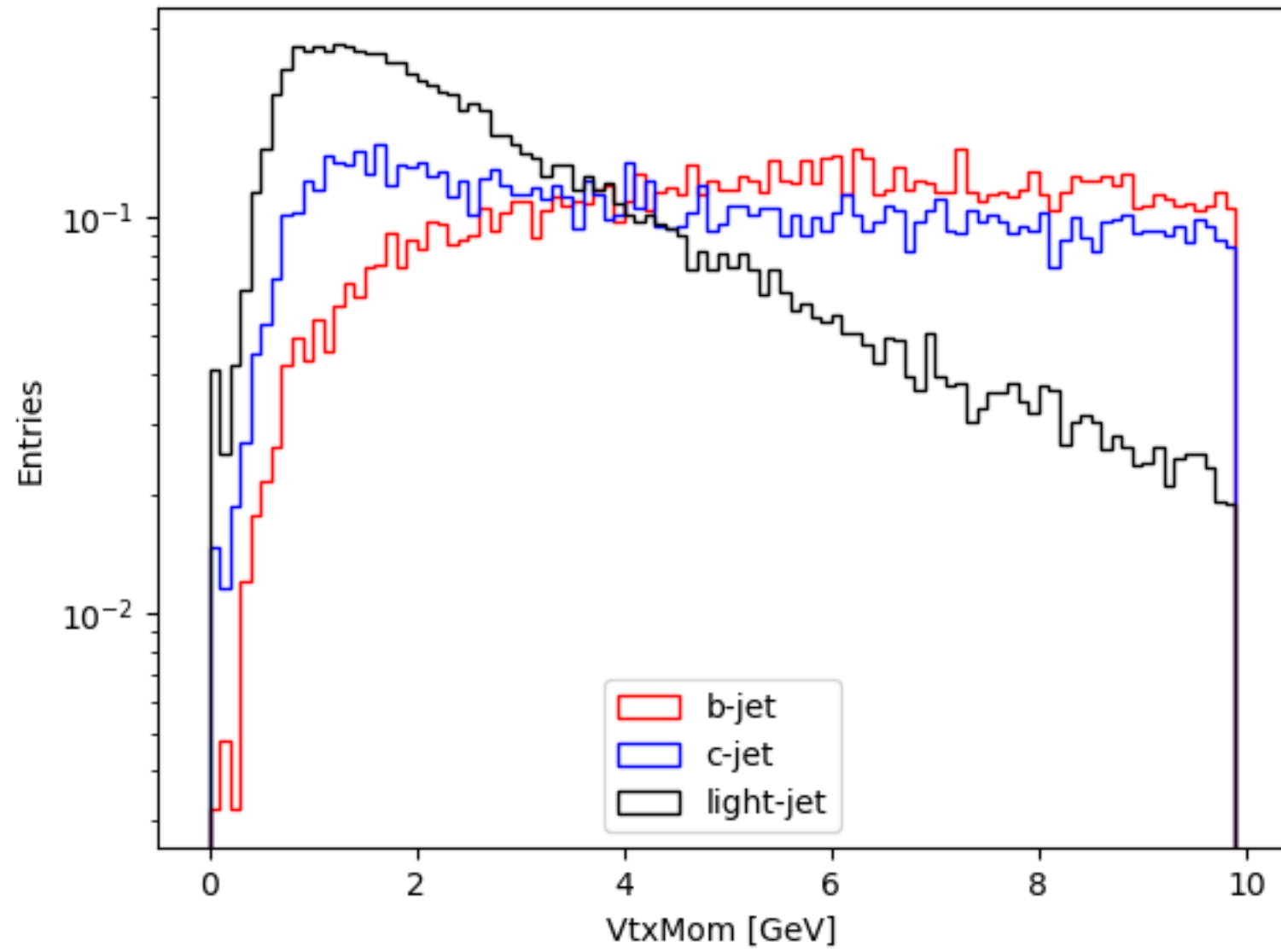


Sanity Plots



- Single vertex probability:
force all vertex tracks to a
single vertex
- Multiple vertices
probability: $p = 1 - (1 - P_1)(1 - P_2)(1 - P_3) \dots$
- Only works for $N_{vtx} > 1$

Sanity Plots



- Collinearity = $\text{momenta.Unit} \cdot \text{vtx.Unit}$
- $\text{AxE} = \arccos(\text{collinearity}) \times E_{\text{jet}}$