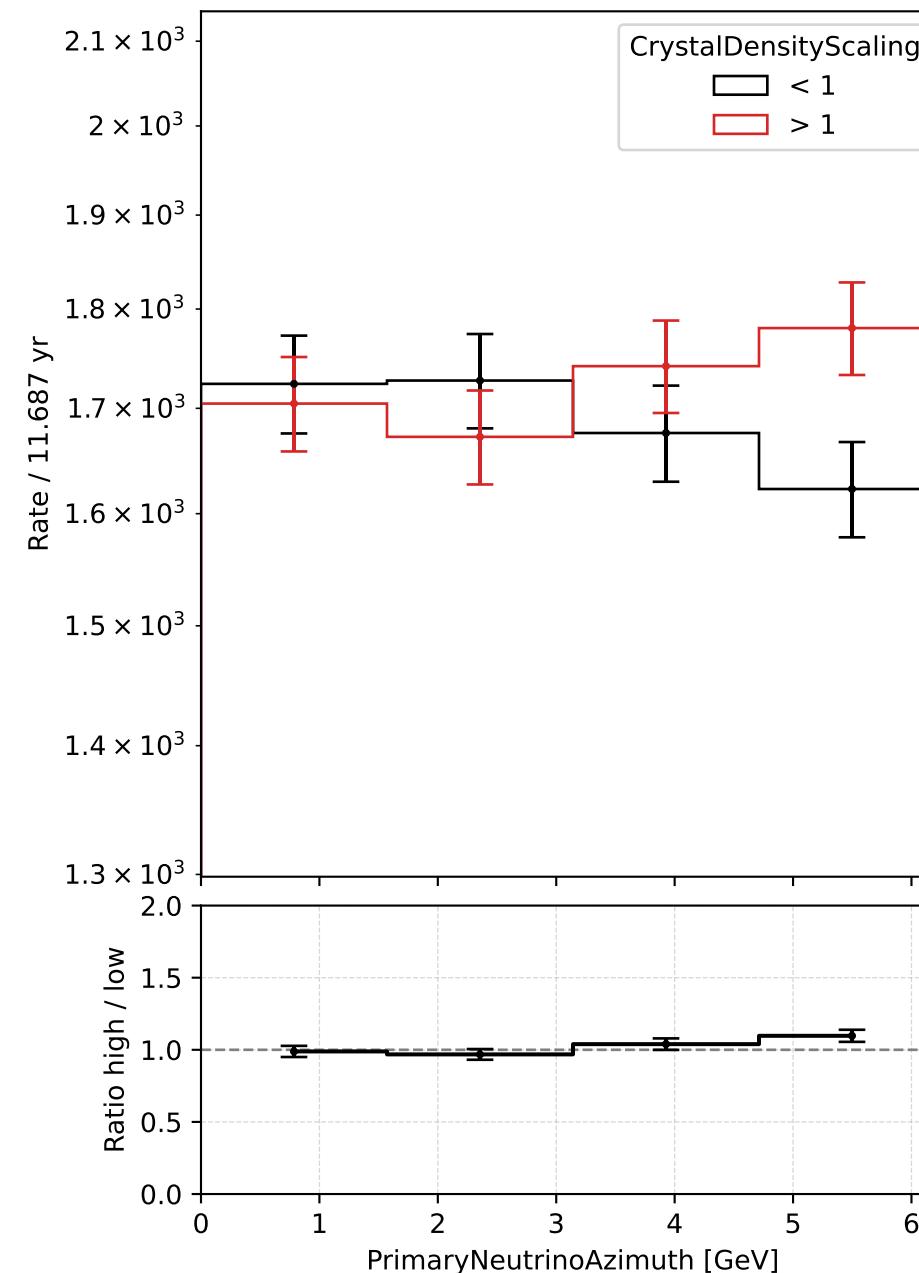
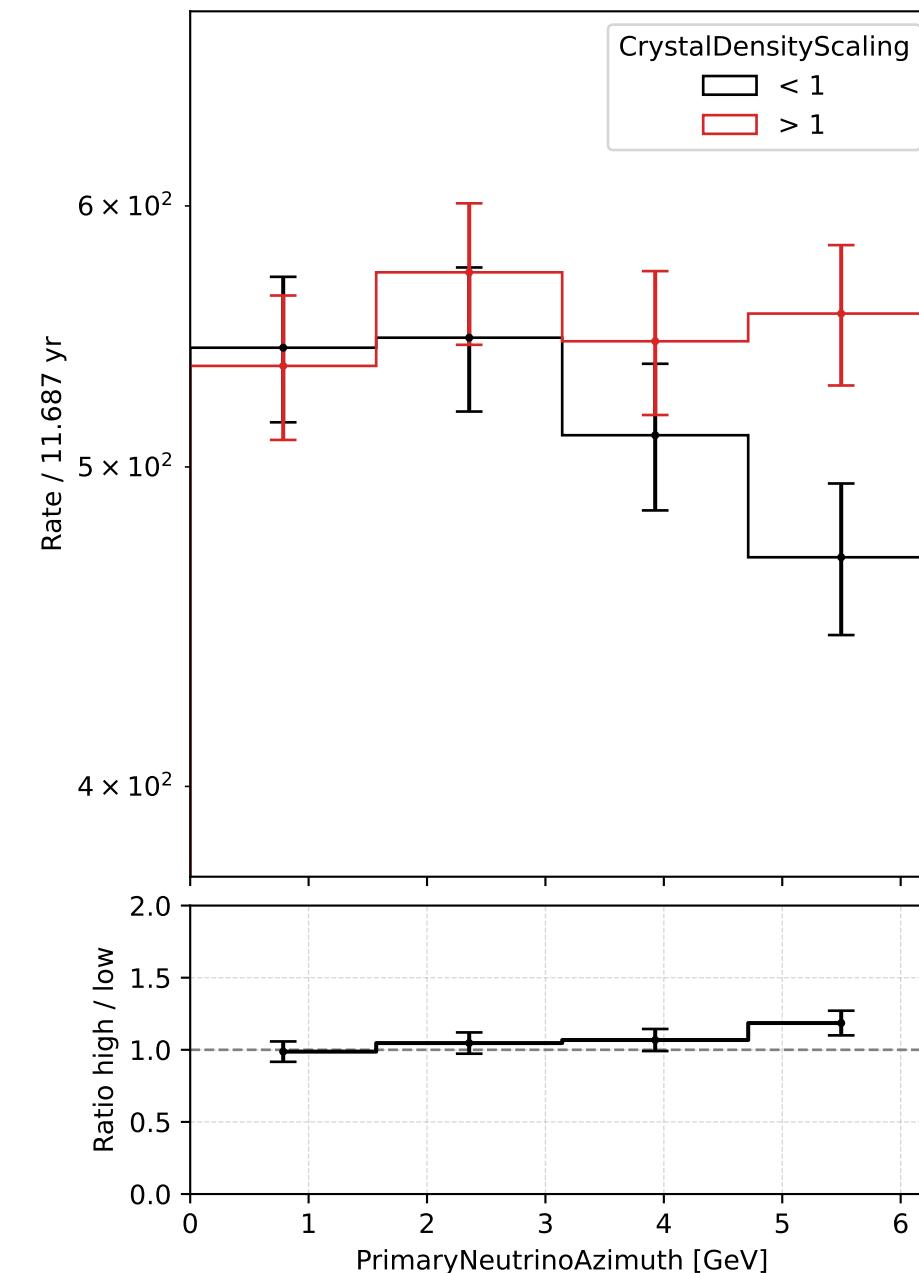


Variable Primary Neutrino Azimuth [GeV]

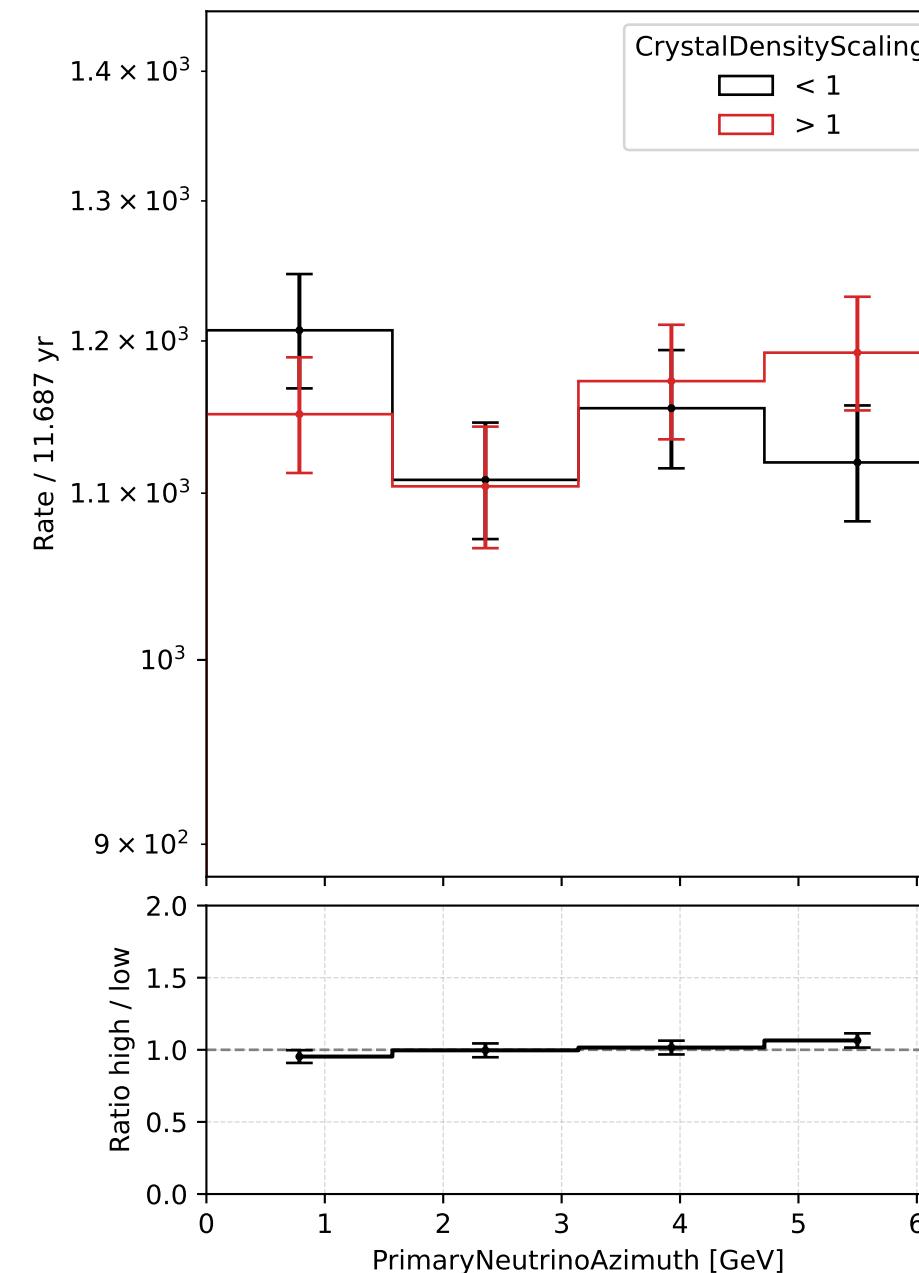
NuE astro, $\gamma = 2.87$, $\phi_0 = 2.12$, HESE



NuMu astro, $\gamma = 2.87$, $\phi_0 = 2.12$, HESE



NuTau astro, $\gamma = 2.87$, $\phi_0 = 2.12$, HESE



Ratio high / low

Ratio high / low

Ratio high / low