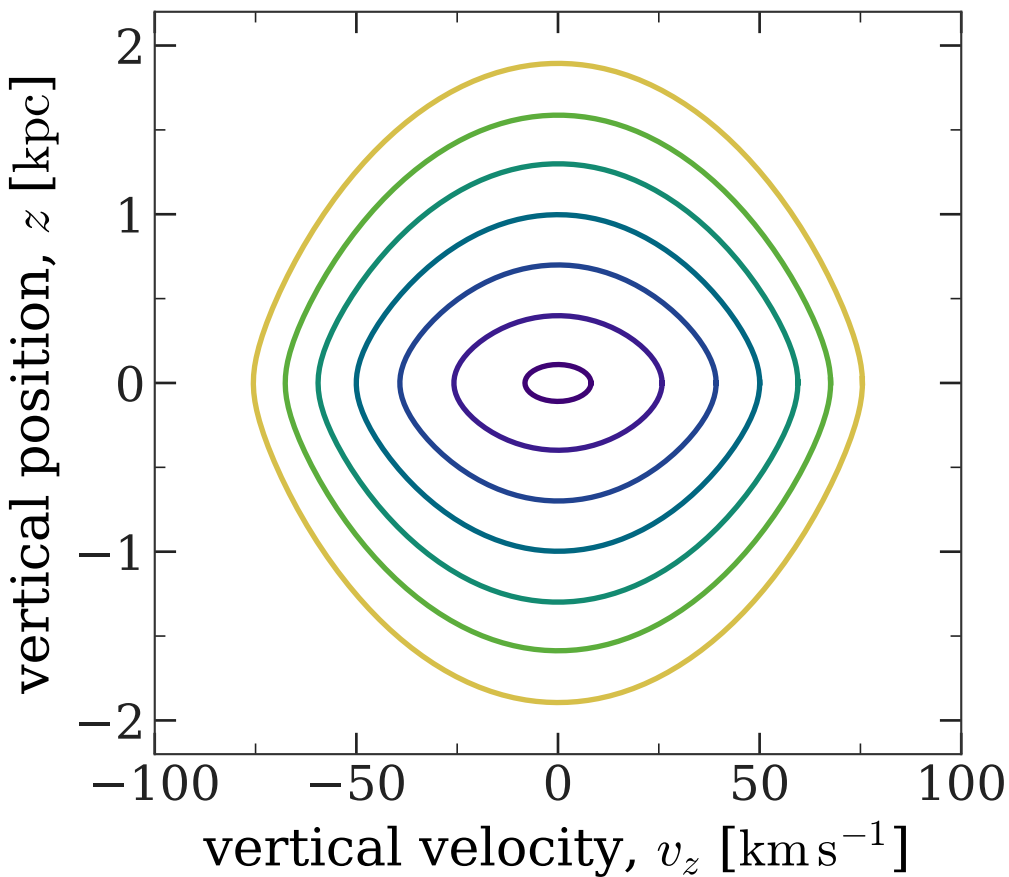
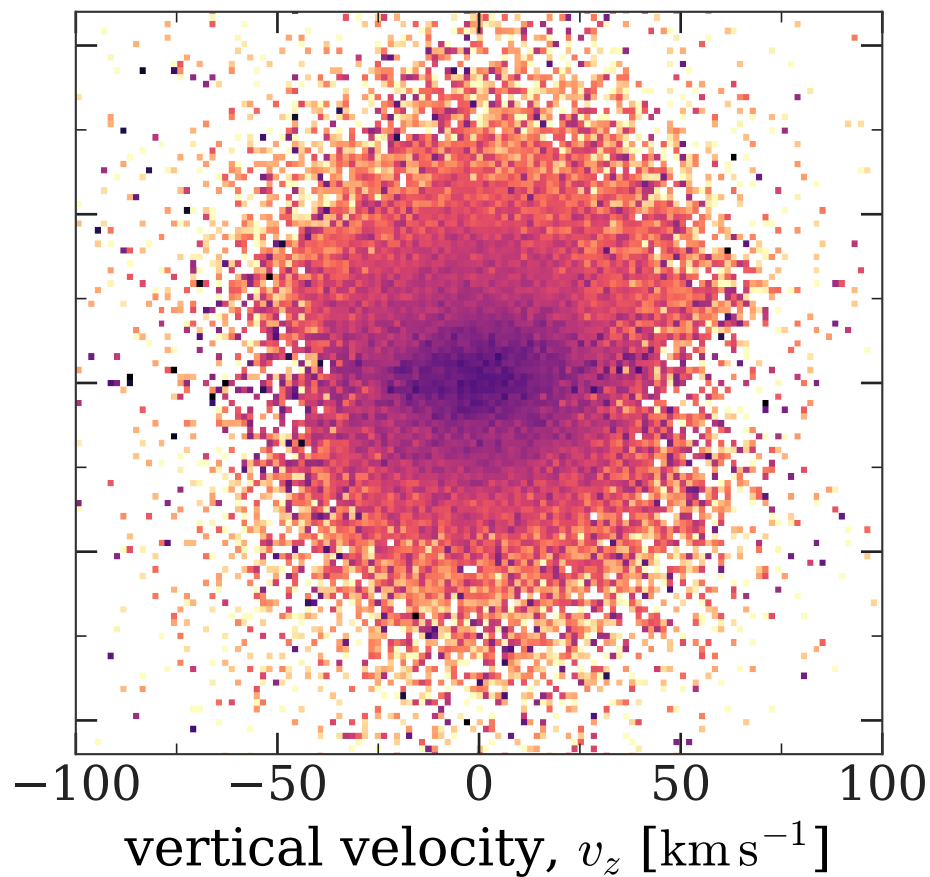


Expected Orbit Shapes and Observed Element Abundance Gradient (APOGEE+Gaia)

Vertical Orbits



[Mg/Fe] Phase-space



[Mg/Fe] Orbit Gradient

