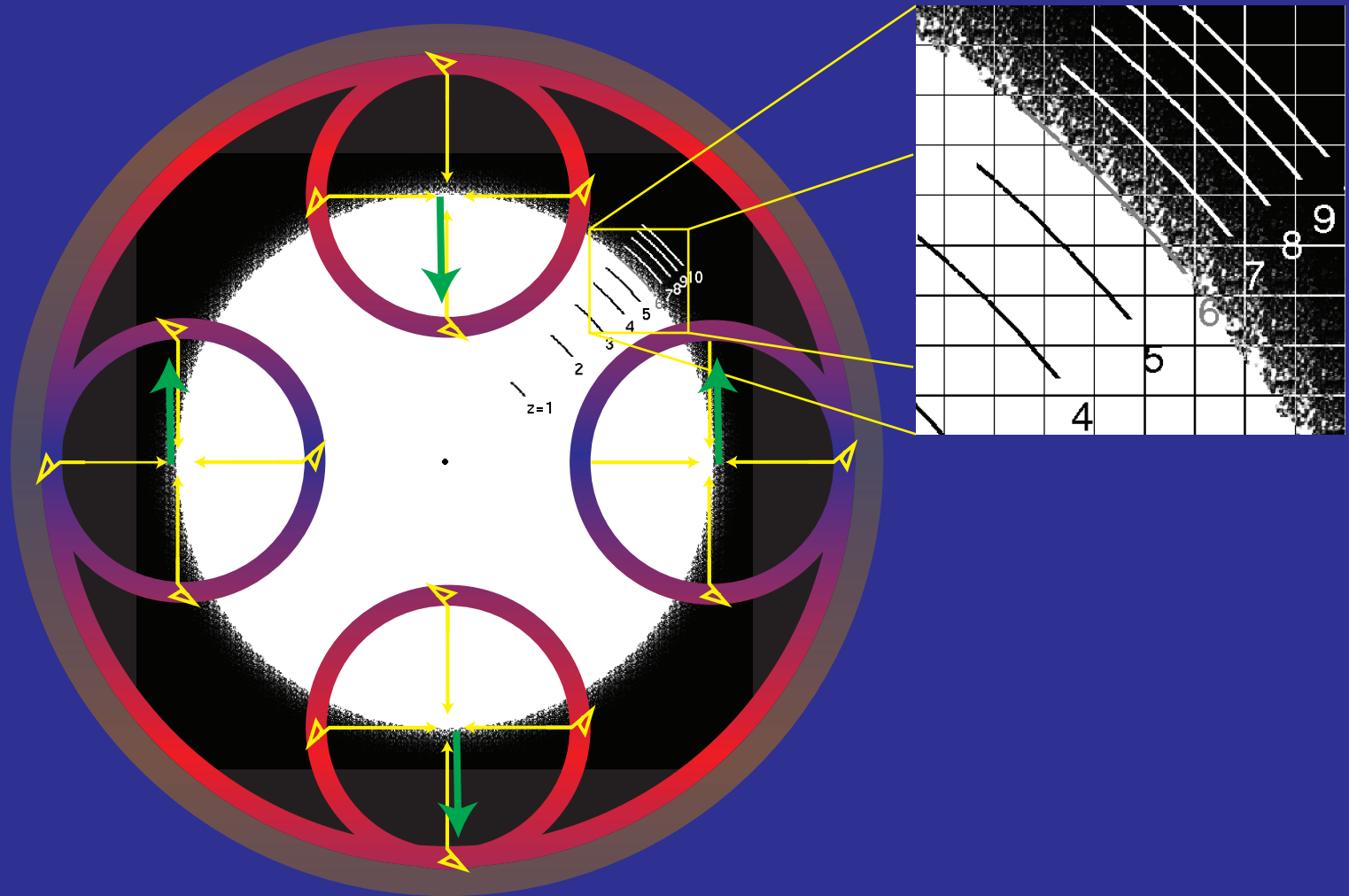


Inhomogeneous Ionization

- Provides a **source** for **modulated** Doppler effect that appears on the scale of the **ionization region**



Linear Velocity Field

- Even given **dark energy**, **curvature** uncertainties, rms linear velocity well determined at $z \sim 10$

