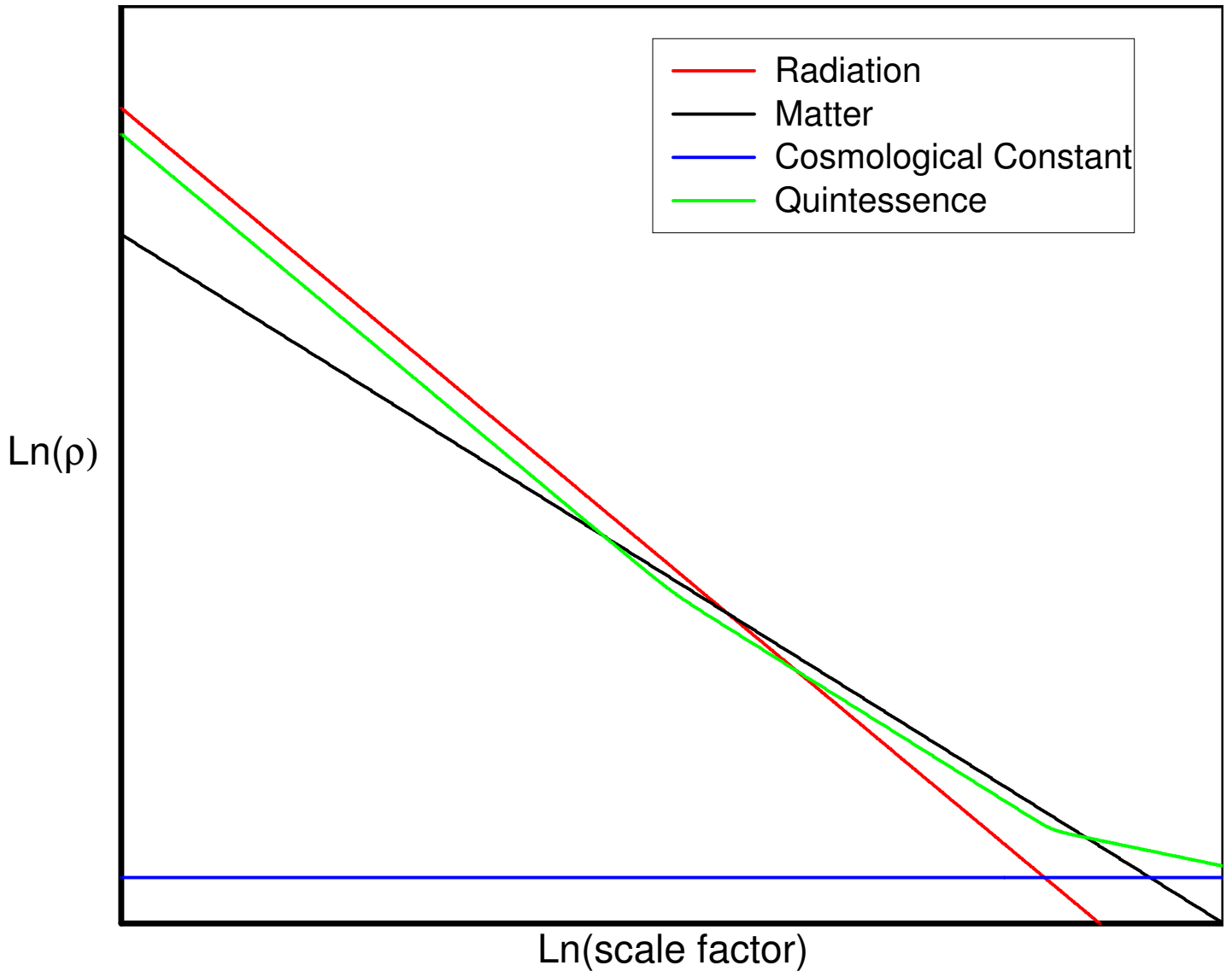


# Interacting Quintessence: Cosmic Acceleration and Coincidence Problem

Greg Huey and Benjamin D. Wandelt



$$\mathcal{L} \supset \frac{1}{2}\dot{\phi}^2 + \frac{1}{2}\dot{\chi}^2 - M_Q^4 e^{-\alpha\kappa\phi} - \gamma \left( e^{\beta\kappa(\phi-\phi_c)} \right)^2 \chi^2 \\ + \mathcal{L}_{nCDM} + \mathcal{L}_B$$

$$\kappa \equiv \sqrt{8\pi G}$$

$$M^4 e^{-\alpha\phi} + \rho_i e^{\beta(\phi - \phi_c)} e^{-3N}$$

