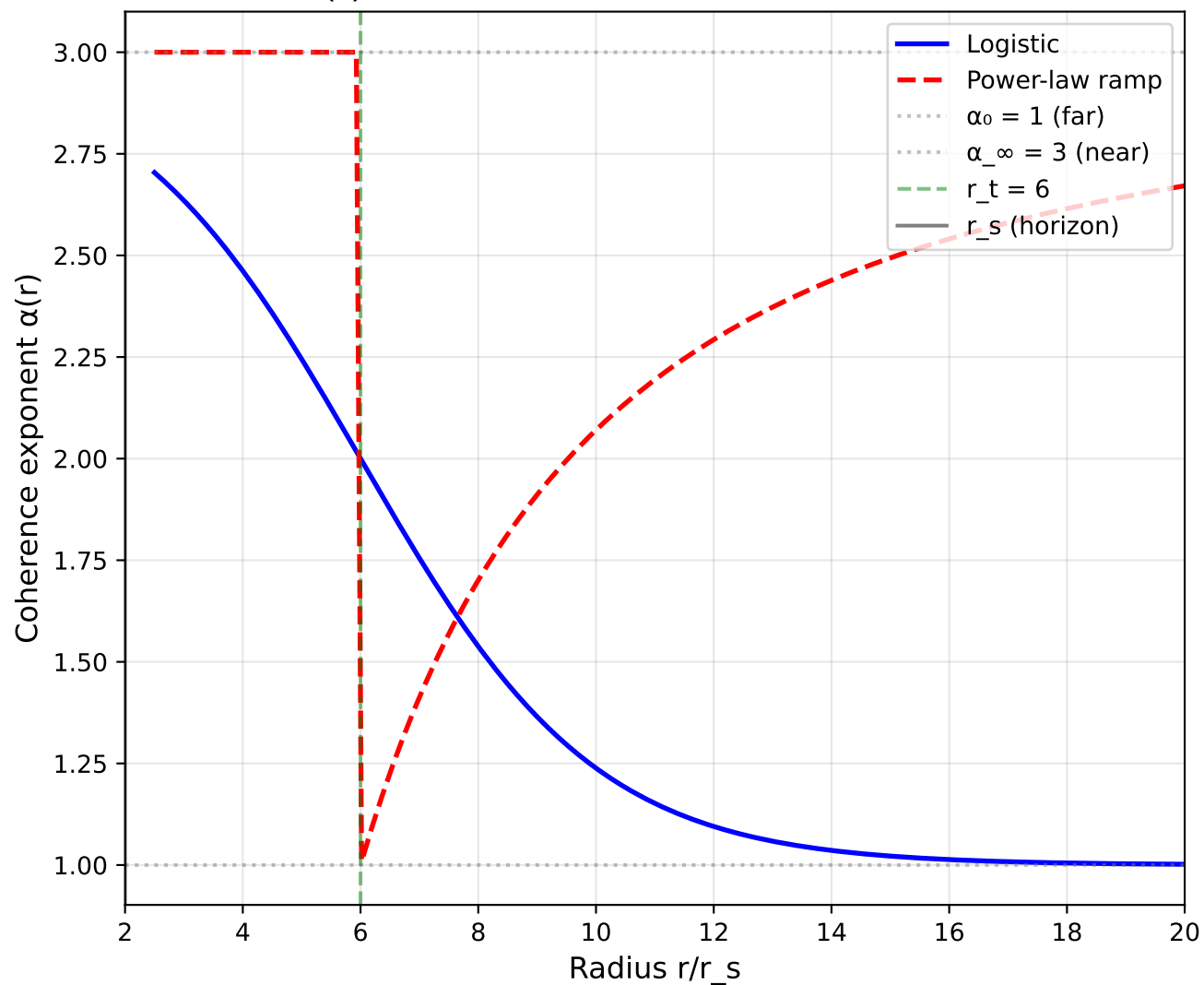
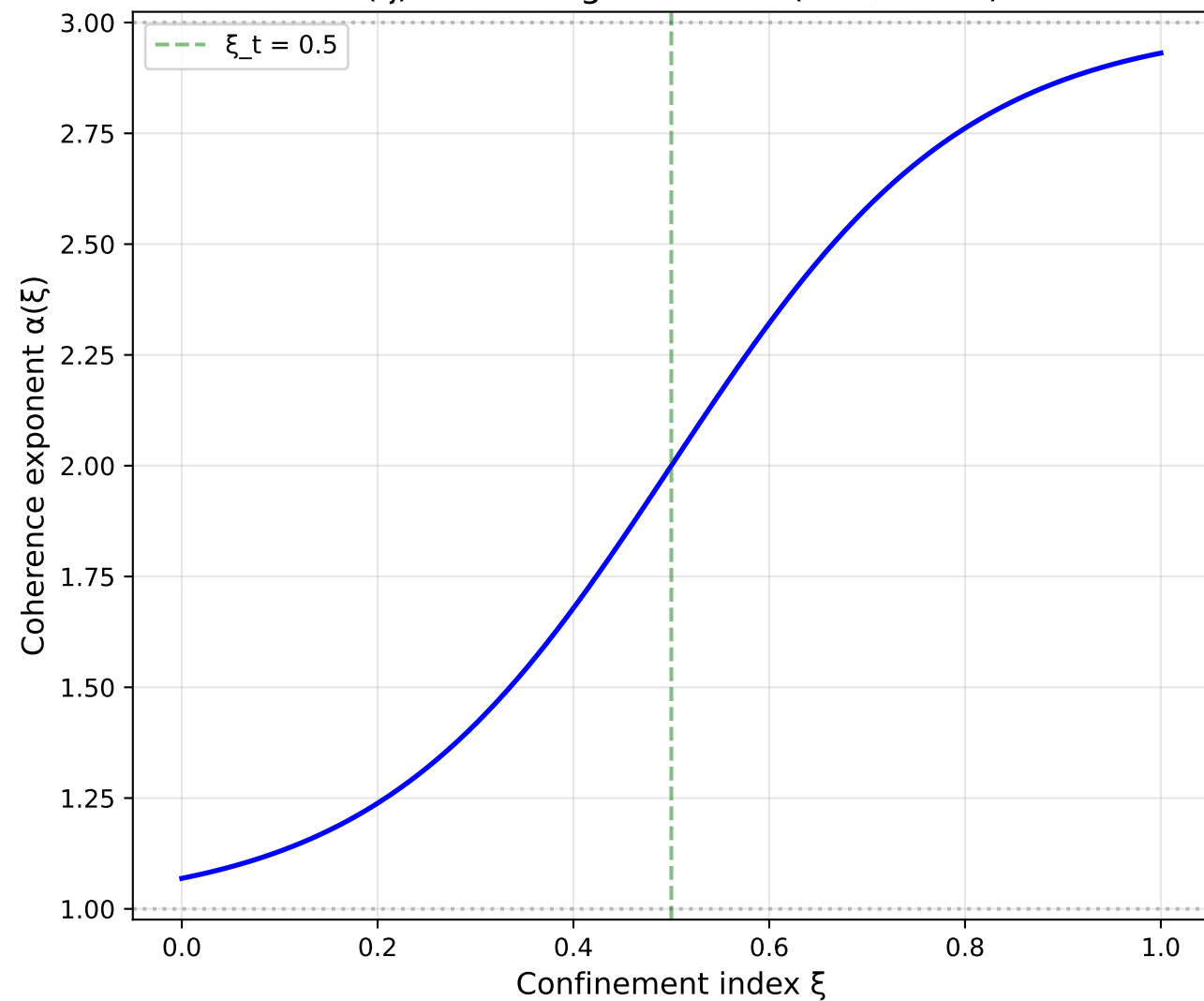
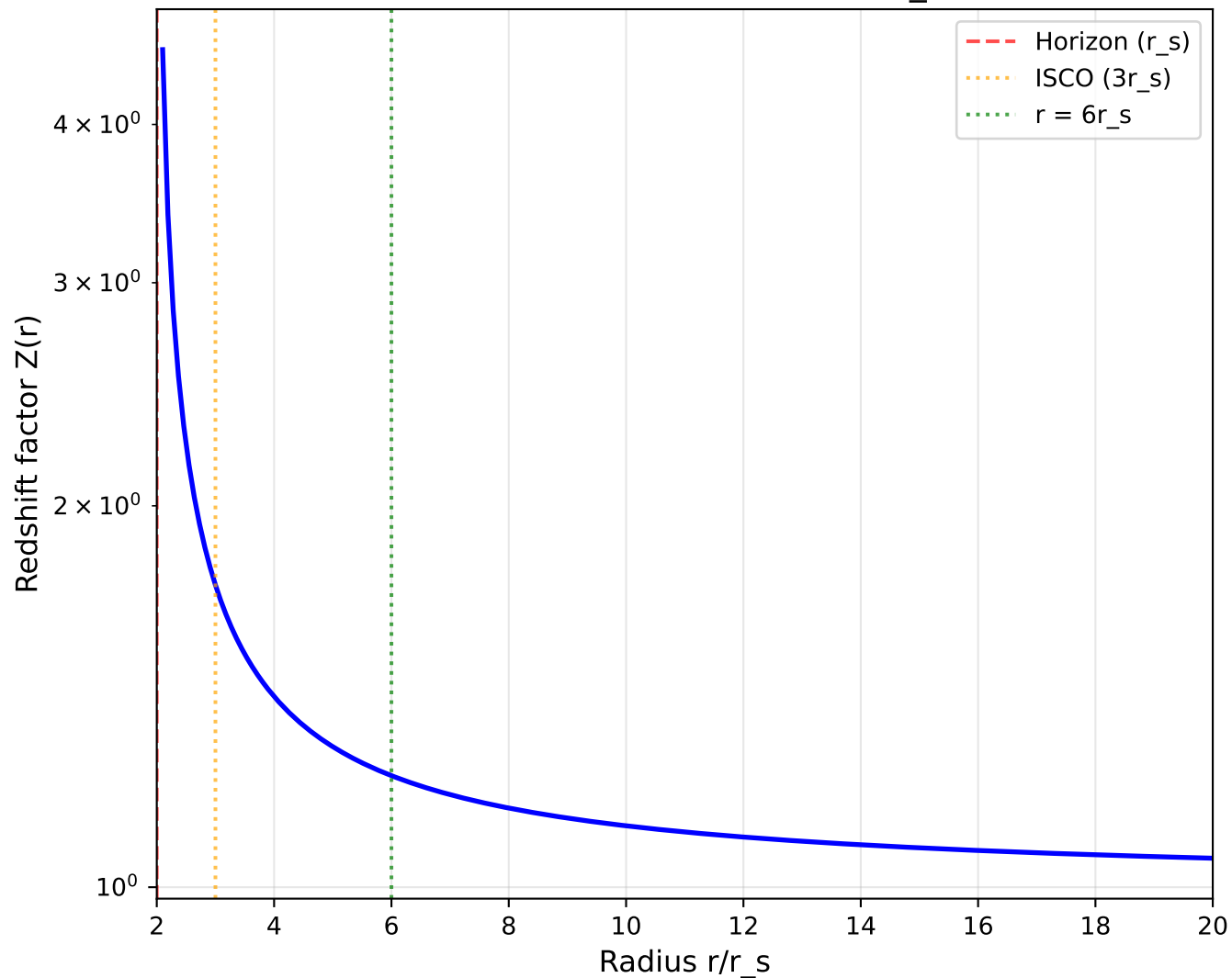


$\alpha(r)$ Profiles: Coherence Increases Inward $\alpha(\xi)$ for Analog Platforms (BEC/Fluids)GR Time Dilation: $Z = 1/\sqrt{1 - r_s/r}$  $\tau_{\text{obs}} = Z(r) \times L^\alpha(r)$: Slope = α , Level $\propto Z$ 