

# Renormalization of the primordial inflationary power spectra

*Wednesday 30 October 2024 11:30 (20 minutes)*

In this talk, I will explore the effects of renormalization on the amplitude of the inflationary spectra at scales measurable in the cosmic microwave background.

Via a gauge-invariant analysis, I will explain why the standard prediction for the spectra on superhorizon scales is a late-time attractor while they are UV finite at all times. This result is independent of the equation of state after inflation, showing that the standard prediction is fully robust.

**Primary authors:** STEFANEK, Ben; PLA GARCIA, Silvia (King's College London)

**Presenter:** PLA GARCIA, Silvia (King's College London)