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## Primordial gravitational waves from excited states

*Thursday 25 August 2022 14:00 (20 minutes)*

New degrees of freedom active during inflation lead to nontrivial signatures across scalar and tensor primordial spectra. We will discuss how such deviations from single-field, slow-roll inflation, manifested as particle excitations, lead to distinct signals in the stochastic gravitational wave background generated during inflation and how its characteristics are related to sharp features of the inflationary dynamics.

**Author:** SYPSAS, Spyros

**Presenter:** SYPSAS, Spyros

**Session Classification:** Parallel Session Lecture Room

**Track Classification:** Gravitational waves and black holes