

# Precision cosmology as a probe of quantum gravity

*Tuesday 7 May 2024 17:15 (15 minutes)*

Next generation CMB experiments may provide stronger constraints for primordial observables that are sensitive to the semi-classical regime of quantum gravity. Here we present some tools to compare the predictions for the primordial power spectrum, tilt, running and running-of-the-running given by generic models of slow-roll inflation. These tools have been used in an effective field theory approach to quantum gravity, and can also be extended to previous results in LQC and other approaches.

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**Session Classification:** Cosmology