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On the independence of predictions of LQC on the inflationary potential

In Loop Quantum Cosmology (LQC), a quantum bounce precedes inflationary epoch. The presence of a quantum bounce leads to a departure from scale invariance of the spectra of primordial perturbations. Studies conducted mostly at the level of the primordial power spectrum show that this departure from scale invariance is a remnant of the bounce and is largely independent of the form of the inflationary potential. In this talk, we present our detailed investigation of the (in)dependence of the predictions of LQC on the form of the potential at the level of the primordial bispectrum.

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