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## Quantum decoherence during inflation

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Decoherence may play a role in the quantum-to-classical transition of primordial cosmological fluctuations. But if it occurs in the early Universe, the interaction with the environment that gives rise to it also changes observable predictions such as the power spectrum from inflation and the amount of non Gaussianities. I will show how this opens up the possibility to observationally probe quantum decoherence.

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