

From Strings to Stars: Unlocking the Universe's Acceleration

Wednesday 12 February 2025 13:00 (45 minutes)

Recent cosmological observations suggest that dark energy, the driver of the universe's accelerated expansion, may be evolving over time. This challenges the conventional idea of a static cosmological constant within the standard model of cosmology. In this talk, I will explore recent theoretical developments in understanding the nature of dark energy from the perspective of string theory. Additionally, I will discuss how these insights can be tested through simple, string-motivated models in light of the latest observational data.

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Session Classification: Afternoon session 1