

Detecting Gravitational Waves from Cosmic Phase Transitions

Friday, 18 April 2025 15:00 (30 minutes)

Symmetry breaking in the early universe is manifested in the form of cosmological phase transitions, and more desirably first order ones, during which a stochastic background of gravitational waves can be generated. I will discuss how to detect such gravitational waves using future space-based detectors, and how future measurements of such signals help us learn about the underlying particle physics models.

Primary author: GUO, Huaike (UCAS (ICTP-AP))

Presenter: GUO, Huaike (UCAS (ICTP-AP))

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