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Microscopic description of critical bubbles

jeudi 18 septembre 2025 11:30 (1 heure)

First-order phase transitions in the early Universe and inside neutron stars could leave observable imprints, including a stochastic gravitational wave background or characteristic waveforms in specific frequency ranges. Predicting these signals requires precise understanding of critical bubbles, often addressed using effective field theory or perturbation theory. In this talk, I will present the first explicit computation of fully-backreacted critical bubbles in a strongly coupled system, using gauge/gravity duality.

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Classification de Session: Holography & Dense Matter