

Second Holography and Dense Matter Workshop (featuring Meeting of Compact Objects working group of the GW GdR)

ID de Contribution: 22

Type: **Non spécifié**

On effective action from holography

vendredi 19 septembre 2025 09:00 (1 heure)

First-order phase transitions in strongly coupled systems are of central interest, both for fundamental physics and for their potential cosmological signatures such as gravitational waves. In this talk, I will explain how holography provides a framework to study critical bubble nucleation. I will describe two complementary approaches: constructing a two-derivative effective action and solving directly for bubble solutions in the bulk. I will conclude with an outlook on open directions and future applications.

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Classification de Session: Holography & Dense Matter