

## **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.

**Auteur:** JOKELA, Niko

**Orateur:** JOKELA, Niko

**Classification de Session:** Holography & Dense Matter