

Séminaire de physique des particules et de cosmologie

Mardi 18/06/2019, 16h00-17h00

Orme des Merisiers Salle Claude Itzykson, Bât. 774

Holographic Dynamics across a phase transition

David Mateos

University of Barcelona

A massive experimental effort will be devoted in the coming years to the physics of QCD at high energy density and/or high baryon density. Understanding this physics may require understanding out-of-equilibrium gauge theory dynamics in the presence of a phase transition. I will discuss how holography can help us address this challenge. Topics covered will include the real-time evolution of phase separation and the far-from-equilibrium dynamics near a critical point. No prior knowledge of string theory required.
