



DIPARTIMENTO DI FISICA
"E.Fermi"
UNIVERSITÀ DI PISA



GRUPPO TEORICO
AVVISO DI SEMINARIO

Giovedì 16 maggio 2019
ore 15:00

Dipartimento di Fisica
Largo B.Pontecorvo, 3
Aula Galilei (131) - piano terra - Ed. C

Stefano Liberati
SISSA (Trieste, Italy)

Terrà un seminario dal titolo:

**“From Analogue to Emergent gravity: lessons
and pitfalls”**

Abstract: The analogue gravity framework uses condensed matter systems to simulate phenomena characteristics of quantum field theory in curved spacetimes (e.g. cosmological particle production or black hole evaporation). In this seminar I will review the state of this field and explore its extension towards the simulation of the emergent gravity paradigm. In doing so I will discuss lessons and pitfalls as well as the possible phenomenology associated to these models.