

# SEMPARIS – Séminaires en région parisienne

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## Séminaire du CPHT

**Mardi 12 Novembre 2019, 11 :00**

CPHT, Salle Louis Michel, CPHT, Ecole Polytechnique

Domaines : hep-th

Titre : *Holographic Schwinger-Keldysh effective field theories*

Orateur : **Natalia Pinzani Fokeeva ( KU Leuven )**

Résumé : *Hydrodynamics has been recently reformulated as an effective field theory based on an underlying Schwinger-Keldysh path integral. After a pedagogical introduction to the formalism, I will show how effective actions of this type can be derived from holography using a mixed signature bulk spacetime whereby an eternal asymptotically anti-de Sitter black hole is glued to its Euclidean counterpart along an initial time slice in a way to match the desired double-time contour of the dual field theory. For concreteness, I will consider the example of dissipative low-energy dynamics of relativistic charged matter at strong coupling in a fixed thermal background.*

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