

SEMPARIS – Séminaires en région parisienne

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Séminaire commun LPTENS/LPTHE

Lundi 22 Mai 2017, 14 :00

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Domaines : hep-th

Titre : *Holographic Sliding Stripes*

Orateur : **Matt Lippert**

Résumé : *Holographic models provide unique laboratories to investigate non-linear physics of transport in inhomogeneous systems. We provide a detailed account of both DC and AC conductivities in a defect conformal field theory with spontaneous stripe order. The spatial symmetry is broken at large chemical potential and the resulting ground state is a combination of a spin and charge density wave. An infinitesimal applied electric field across the stripes will cause the stripes to slide over the underlying density of smeared impurities, a phenomenon which can be associated with the Goldstone mode for the spontaneously broken translation symmetry.*
