

CEA - Saclay 91191 Gif-sur-yvette Cedex
Service de Physique de l'Etat Condensé
SÉMINAIRE

Mercredi 26 Septembre 11h15

Orme des Merisiers SPEC Salle Itzykson, Bât.774

Quantum phase-slips: from instantons to devices

Yuli Nazarov

Kavli Institute of Nanoscience, UT Delft

We review the field of (quantum) phase slips in superconducting wires: a topic that seemed old and has been spectacularly revived recently. We mostly concentrate on novel nano-device ideas exploiting new functionalities brought by coherent phase slips.

A coffee break will be served at 11h00. The seminar will be given in English.

Contact : marcelo.goffman@cea.fr/sebastien.aumaitre@cea.fr -Tel : +33 1 69 08 55 29 / 74 37
<http://iramis.cea.fr/spec/>