

Séminaire du SPEC
Mardi 28 novembre 2006, 14h00

Bt. 774 - Salle Claude ITZYKSON
Centre d'Etudes de Saclay, Orme des Merisiers
91191 Gif-sur-Yvette

ATTENTION : jour et heure inhabituels

**Low dimensional epitaxial metallic structures :
nanotechnology, characterization
and electron transport properties**

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Electron transport properties of epitaxial metallic structures have been found to give rise to new phenomena in metallic nanostructures such as wave-guiding and ballistic effects in their electronic conductivity. Owing to high crystalline perfection and low-roughness, these new structures possess the properties that are unusual compared to previously studied metallic low-dimensional disordered structures. Nanotechnology and characterisation are also presented.

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