

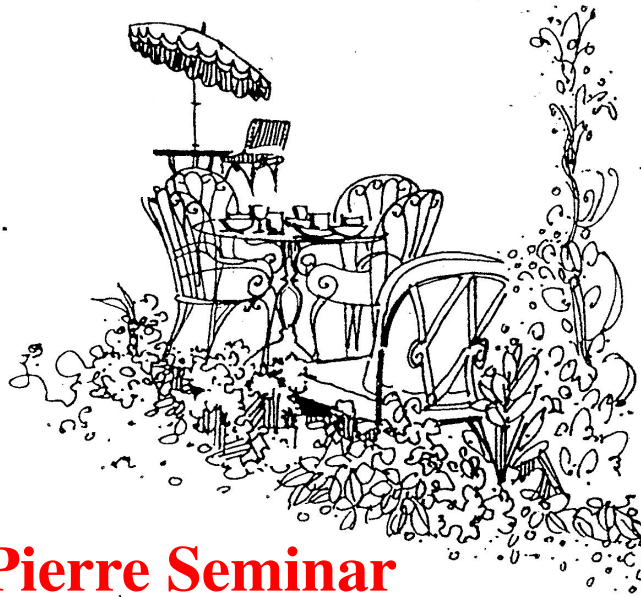
Chez Pierre

Presents ...

Tuesday, June 23, 2015

12:00pm

MIT Room 4-331



Special Tuesday Chez Pierre Seminar

Charles Marcus

Niels Bohr Institute, University of Copenhagen

“Majorana Islands”

This talk presents results from recent transport experiments on proximitized semiconductor nanowires (InAs/epi-Al), here focusing on geometries where the whole device has a significant charging energy. It is well known that transport in the Coulomb blockade regime provides a convenient window into the orbital states of a mesoscopic device with a discrete level spectrum. This applies for the case of conventional and topological superconductors as well. We examine subgap (Andreev-like) states, poisoning times, and Majorana modes in these systems.

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