

Quantum Transport Days

November 14+15, 2011

CPT – CNRS UMR 6207
Aix-Marseille Université
Université du Sud Toulon-Var
ANR – HamMark

SCHEDULE

Monday, November 14

14:00 – 15:00 CPT-Amphi 5: WALTER ASCHBACHER (CPT)

A rigorous derivation of the Landauer-Büttiker formalism.

15:00 – 16:00 CPT-Amphi 5: VALERIU MOLDOVEANU (Bucharest)

Off-resonant transport in interacting quantum dots.

17:00 – 18:00 CPT-Amphi 5: HAGEN NEIDHARDT (WIAS–Berlin)

Comments on the Landauer-Büttiker formula and its applications.

Tuesday, November 15

9:00 – 10:00 CPT-Amphi 5: THIERRY MARTIN (CPT)

Current correlations in the Cooper Pair beam splitter.

10:30 – 11:30 CPT-Amphi 5: HORIA CORNEAN (Aalborg)

Non-equilibrium steady-states for interacting open systems: exact results.

11:30 – 12:30 CPT-Amphi 5: PAVEL EXNER (Doppler Institute – Prague)

Properties of resonances in quantum graphs and their generalizations.

14:00 – 15:00 CPT-Amphi 5: GIANLUCA STEFANUCCI (Rome Tor-Vergata)

Advances in non-equilibrium strongly correlated models using TDDFT.

15:00 – 16:00 CPT-Amphi 5: ALAIN JOYE (Grenoble)

Correlated Markov Quantum Walks.