



QUANTOP mini-symposium on Quantum Information in Solid State systems

Thursday 8. January, 14.15-17 in room 525-323

The University of Aarhus is part of an EU network which investigates the prospects of using doped inorganic crystals for quantum information purposes. In connection with the meeting of the network in Aarhus on Friday and Saturday, a small mini-symposium will be arranged with introductions to the research of the network and a contribution from the local solid state research group.

The presentations are intended to be at an introductory level, and everybody is welcome to the symposium, which takes place Thursday 8. January with the following programme:

- 14.15-15 Quantum computer hardware based on rare-earth-ion-doped crystals
 Stefan Kröll
 Division of Atomic Physics
 Lund Institute of Technology, Sweden.

- 15.00 Coffee and cake

- 15.15-16 Choice and characterization of rare earth-doped materials for quantum computing
 Olivier Guillot-Noël
 Laboratoire de Chimie Appliquée de l'Etat Solide
 ENSCP, Paris, France.

- 16.15-17 Nanocrystals in Si-based Semiconductors (talk and Lab-tour)
 Arne Nylandsted Larsen
 Department of Physics and Astronomy
 University of Aarhus.

Klaus Mølmer