

## Ultracold atoms

Chair(s): Vincent Boyer (University of Birmingham, UK)

Tuesday 14 December 2010

- 13.30 Invited: Bosons in disordered one-dimensional traps: a new paradigm for the superfluid-insulator transition**  
E Altman (Weizmann Institute of Science, Israel)
- 14.00 Condensation of a trapped bose gas and emergent kinetics in the classical fields approximation**  
H Salman (University of East Anglia, UK)
- 14.15 Is Bose Einstein condensation caused by the saturation of excited states?**  
R Smith (University of Cambridge, UK)
- 14.30 Lifshitz transitions and crystallizations of fully polarized dipolar fermions in an anisotropic two-dimensional lattice**  
J Betouras (Loughborough University, UK)
- 14.45 Strongly interacting two-dimensional fermions**  
E Vogt (University of Cambridge, UK)
- 15.00 Optical detection methods and quantum states of atoms in an optical lattice**  
J Ruostekoski (University of Southampton, UK)
- 15.15 Collective photon emission from symmetric states created with Rydberg atoms on a ring lattice**  
B Olmos (University of Nottingham, UK)
- 15.30 End of symposia**