

Workshop on Supersolids, Les Treilles, Tourtout, France.

July Tuesday 15th-Sunday 20th 2008

Program

Tuesday July 15th

Welcome

19 :30-21 :00 : Dinner.

Wednesday July 16th

9 :00-10 :00 : Moses Chan (Penn. State Univ.) "Can a solid be superfluid?"

10 :00-10 :30 : Coffee Break.

10 :30-11 :30 : Luciano Reatto (Milan Univ.) "Theoretical overview on supersolidity and crystalline ^4He "

11 :30-12 :30 : Jean Dalibard (LKB-ENS, Paris) "Ultracold atoms in optical lattices : a new path to quantum condensed matter"

12 :30- 13 :00 : Round table

13 :00-16 :00 : Lunch and Free Time

16 :00-17 :00 : John Reppy (Cornell) TBA

17 :00-17 :30 : Coffee break

17 :30-18 :30 : Bernard Castaing (ENS-Lyon) "The Grenoble 1989 experiment."

18 :30-19 :00 : Round Table

19 :30-21 :00 : Dinner

Thursday July 17th

9 :00-10 :00 : Eunseong Kim (KAIST) "Non-classical response of solid Helium confined in porous media"

10 :00-10 :30 : Coffee Break.

10 :30-11 :30 : John Beamish "Elastic and flow properties of solid Helium."

11 :30-12 :00 : Frédéric Caupin (LPS-ENS, Paris) "Supersolidity and disorder"

12 :00-12 :30 : Sébastien Balibar (LPS-ENS, Paris) "Grain boundaries in solid Helium 4"

12 :30-13 :00 : Round table

13 :00-16 :00 : Lunch and Free Time

16 :00-17 :00 : Moses Chan (Penn. State Univ.) "Recent results from Penn. State"
 17 :00-17 :30 : Coffee break
 17 :30-18 :30 : Philip Anderson (Princeton) "Bosons are Different From Fermions"
 18 :30-19 :00 :Xavier Leyronas (LPS-ENS, Paris) "Equation of state of dilute dimers"
 19 :30-21 :00 : Dinner

Friday July 18th

9 :00-10 :00 : Jordi Boronat (Univ. Polit. Catalunya, Barcelona) "Bose-Einstein quantum statistics and the ground state of solid ^4He "
 10 :00-10 :30 : Coffee Break.
 10 :30-11 :30 : Luciano Reatto (Milan Univ.) "Quantum simulation of solid ^4He at zero temperature : Static and dynamical properties."
 11 :30-12 :00 : Christophe Josserand (Institut D'Alembert, Paris) "Coexistence of ordinary elasticity and superfluidity in a model of Supersolid"
 12 :00-12 :30 : Laurent Chevillard (ENS-Lyon) "Numerical experiments on virtual supersolids"
 12 :30-13 :00 : Sergio Rica/ Gustavo During (LPS-ENS, Paris) TBA
 13 :00-19 :00 : Lunch and Free Time
 19 :30-21 :00 : Dinner

Saturday July 19th

9 :00-10 :00 : Alexander Fetter (Stanford) "Rotating BEC as a model supersolid"
 10 :00-10 :30 : Coffee Break.
 10 :30-11 :30 : David Roberts (CNLS, Los Alamos) "When superfluids are a drag"
 11 :30-12 :30 : Yves Pomeau (Paris) TBA
 12 :30-13 :00 : Round table 13 :00-19 :30 : Lunch and Free Afternoon
 17 :30-19 :00 : Final Round Table
 19 :30-21 :00 : Dinner

Sunday July 20th

Departure.