

Wednesday April 4

**Morning
Arrival of participants**

Thursday April 5

Session 2: Superconductivity
chair: Didier Poilblanc

9h-10h Cyril Proust (Toulouse)
*Evidence for competing orders
in underdoped $\text{YBa}_2\text{Cu}_3\text{O}_y$*

10h-10h30 coffee break ☕

10h30-11h30 Mike Norman (Argonne)
*Fermi Surface Reconstruction and the
Origin of High Temperature Superconductivity*

11h30 - 12h30 Maurice Rice (Zurich)
*A Phenomenological Theory of the Anomalous
Pseudogap Phase in Underdoped Cuprates*

12h30 - 14h BUFFET 🍴

Session 3: Superconductivity
chair: Revaz Ramazashvili

14h-15h Dirk van der Marel (Genève)
*Common Fermi-liquid origin of T_2 resistivity
and superconductivity in n-type SrTiO_3*

15h-16h Seamus Davis (Cornell)
*Fundamental Elements of Electronic Structure
in Copper-based and Iron based
Superconductors from Spectroscopic Imaging STM*

16h-16h30 coffee break ☕

16h30-17h30 Doug Scalapino (UCSB)
Reflection of the pairing interaction in the gap

Friday April 6

Session 4: Quantum fluids and solids
chair: Nicolas Laflorencie

9h-10h Sébastien Balibar (Paris)
The quantum plasticity of solid helium

10h-10h30 coffee break ☕

10h30-11h30 Seamus Davis (Cornell)
*From Macroscopic Quantum Phenomena to
Prospects for Topological Effects in Superfluid ^3He*

11h30-12h30 Nikolay Prokof'ev (Amherst)
Wandering amongst the Feynman Diagrams

12h30 - 14h BUFFET 🍴

Session 5: Quantum fluids and solids
chair: Sylvain Capponi

14h-15h Thierry Giamarchi (Genève)
Spin Dimers: from BEC to Luttinger liquids

15h-16h Lev Pitaevskii (Trento)
Soliton-like Lieb's excitations in a harmonic trap

16h-16h30 coffee break ☕

16h30-17h30 Tony Leggett (Urbana)
Some final thoughts

