

SENSE 2010

Superconductivity Explored by Neutron Scattering Experiments Institut Laue-Langevin, Grenoble, France 21 – 23 October 2010

The microscopic origin of unconventional superconductivity continues to attract the attention of the condensed matter community. Whereas rare-earth / actinide-based intermetallic and copper oxide-based high temperature superconductors are studied for more than twenty years, the iron-based superconductors have been in the focus of interest since their recent discovery. Inelastic neutron scattering experiments have been of particular importance for the understanding of the magnetic and superconducting properties of these compounds. The purpose of the meeting is to bring together scientists working in the field and using neutron scattering techniques. This forum will review experimental achievements, recognize the observed commonalities and differences as well as discuss theoretical efforts to identify the symmetry of the superconducting order parameter in addition to the coupling mechanisms of the Cooper pairs. The meeting should be particularly beneficial to younger researchers as well as established scientists who wish to learn more about the latest scientific results.

www.ill.eu/news-events/events/sense2010

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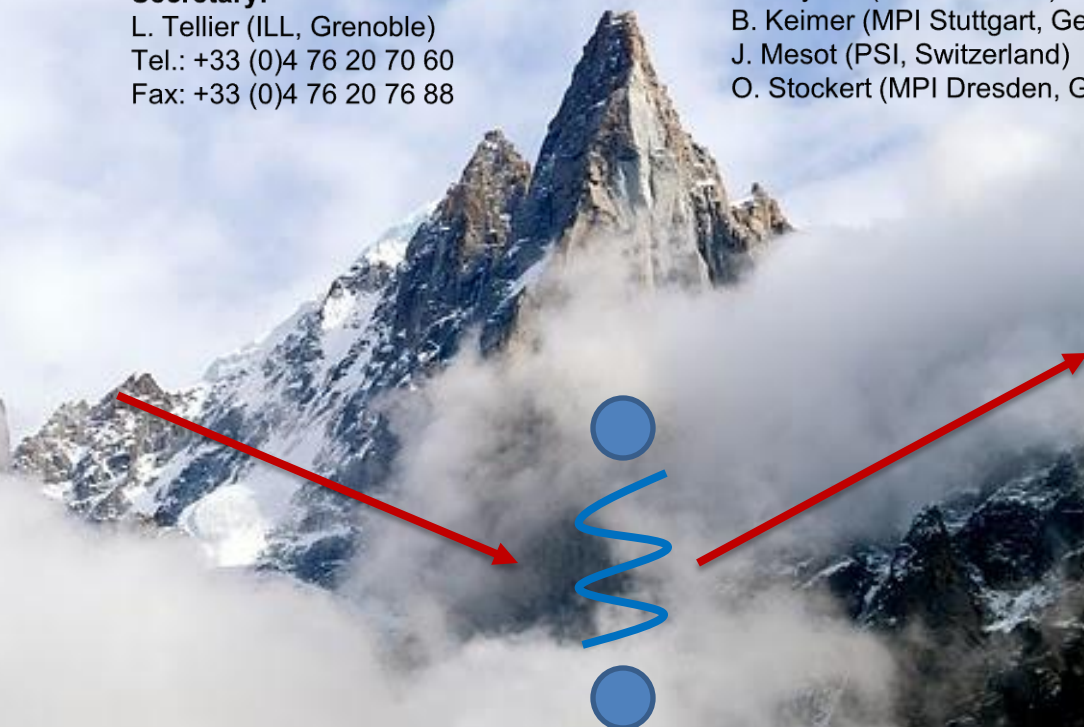


Photo M. Maccarini