

MPa4 Neutrons

International Workshop on
Medium Pressure advances for Neutron Scattering
20-23 October 2004
Institut Laue-Langevin, Grenoble, France

<http://www.ill.fr/Events/MPN> - Email: MPa4neutrons@ill.fr

1st Circular

Grenoble, November 2003

Scope

The workshop will be focussed on the scientific and technical advances of neutron scattering at medium pressures, *i.e.* up to 3500 MPa (35 kbar). By allowing large sample environments such as gas or liquid pressure cells, neutron scattering gives a very direct access to precise information (*e.g.* crystal structure with light elements, magnetic ordering, excitations...) necessary in numerous scientific areas where pressure is a crucial control parameter. The meeting will be inter-disciplinary, covering the fields of **Physics, Chemistry, Materials Science, Geophysics and Bioscience**. In all these areas, the use of pressure as a control parameter is gaining importance. In addition to the scientific program, the progress and development of new pressure techniques will be an important part of the workshop. Special emphasis will be put on the needs of the neutron user community, future developments and new perspectives.

Organisation

The workshop is sponsored jointly by the Université de Rennes 1, the ILL and its collaborating research groups of the CEA/Grenoble and the LLB. It starts on Wednesday October 20, 2004 at 18h30 and the scientific programme ends on Saturday 23 around 13h00. The workshop will be held at the ILL. A limited number of rooms are available at the ILL/ESRF guesthouse. Limited support for young scientists will be available. The Proceedings will be published as a special issue of the *Journal of Physics: Condensed Matter*.

Local organising committee

M.-H. Lemée-Cailleau (CNRS-Univ. Rennes 1, France), B. Fåk (CEA, Grenoble, France), N. Kernavanois (ILL, Grenoble, France), B. Ouladdiaf (ILL, Grenoble, France), M.-C. Bellissent-Funel (LLB, CEA-CNRS, Saclay, France)

International advisory committee

J.A. Alonso	Instituto de Ciencia de Materiales de Madrid, CSIC, Spain.
R. Cywinski	Physics & Astronomy Department, University of Leeds, UK.
K. Kakurai	Advanced Science Research Center, Japan Atomic Energy Research Institute, Japan.
W.F. Kuhs	GZG Abt. Kristallographie, Universität Göttingen, Germany.
J. Loveday	School of Physics, The University of Edinburgh, ISIS Facility, Rutherford Appleton Laboratory, UK.
F. Moussa	Laboratoire Léon Brillouin, CEA-CNRS, Saclay, France.
J. Parise	Center for High Pressure Research and Geosciences Department, The State University of New York, USA.
W. Press	Institut Laue-Langevin, Grenoble, France.
J.-L. Sauvajol	Groupe de Dynamique des Phases Condensées, CNRS-Université de Montpellier 2, France.
C. Vettier	Institut Laue-Langevin, Grenoble, France.
R. Winter	Department of Chemistry, University of Dortmund, Germany.

Abstract submission and registration can be made on our WEB-site:

<http://www.ill.fr/Events/MPN>

Deadline for abstract submission: April 1st, 2004

Deadline for registration: July 1st, 2004

MPa4neutrons workshop 2004

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