

Medium Pressure advances for Neutron Scattering

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PREFACE**Medium Pressure advances for Neutron Scattering**

This issue contains the Proceedings of the International Workshop on Medium Pressure advances for Neutron Scattering (MPa4NeutronS), which was held at the Institut Laue-Langevin (ILL) from 20 to 23 October 2004 in Grenoble, France. The objective of the workshop was to emphasize the uniqueness of the information provided by neutron scattering in a medium pressure range (0–35 kbar) known to be technically difficult to explore. The different sessions, oral or poster presentations, allowed identification of the scientific cases related to physics, material science, geophysics and bioscience under pressure. Medium pressure technical aspects were also thoroughly discussed. A large number of the contributions are gathered in this special issue.

The workshop was deemed highly successful by the participants, with high-quality presentations of original results in a wide range of sciences and many exchanges on state-of-the-art high pressure instrumentation. As an immediate consequence, many contacts were established aiming at the exchange of information and future collaborations on new technical developments of medium pressure devices for neutron scattering.

This event was directly and jointly organized by the Université de Rennes 1, the Institut Laue-Langevin and the Collaborating Research Groups of the CEA/Grenoble, the Laboratoire Léon Brillouin, and the Centre National de la Recherche Scientifique. The workshop would not have been possible without the generous support of our sponsors (in alphabetical order): the city of Grenoble, ISIS—the UK pulsed neutron and muon source, NMI3—the Integrated Infrastructure Initiative for Neutron scattering and Muon spectroscopy, the Région Rhône-Alpes, and Top-Industrie.

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