

The U.S. DEPARTMENT OF ENERGY'S ADVANCED PHOTON SOURCE ARGONNE NATIONAL LABORATORY



Inelastic X-ray Scattering Conference

The Fifth International Conference of Inelastic X-ray Scattering will be hosted by the Advanced Photon Source, Argonne, Illinois, USA, on September 19-24, 2004. Previous international conferences on inelastic x-ray scattering were held in Krakow, Poland (1993); Tokyo, Japan (1995); Montauk, New York, USA (1998); and Haikko, Finland (2001). Topics to be discussed in the upcoming conference include:

- * Collective excitations of atoms, molecules, and ions in liquids and solids
- * Electronic excitations in correlated electron systems
- * Nuclear resonant inelastic x-ray scattering
- * Theoretical methods applicable to inelastic x-ray scattering
- * Applications in chemistry, biophysics, geophysics, liquid, and solid state physics
- * Instrumentation and experimental techniques

The abstract deadline is June 1, 2004, and the registration deadline is July 1, 2004.

More information on the conference can be found at: <http://www.ixs04.aps.anl.gov/ixs04/index.html>

Future Scientific Directions for the APS

A series of workshops are being planned for the summer of 2004 to explore future science directions for APS users; directions that will expand the boundaries of the scientific frontiers in the next decade. The workshops will be co-chaired by Gopal Shenoy (ANL) and Sunil Sinha (UCSD). Summaries of the workshops will be presented at the APS Strategic Planning Meeting to be held in September 2004.

A Study on Future Scientific Directions
for the Advanced Photon Source



APS Publications

APS Science 2003

the annual report of the Advanced Photon Source
at Argonne National Laboratory

Copies of the newest APS annual report, *APS Science 2003*, are now available. If you did not receive last year's report, send a request, with your name and mailing address, to apsinfo@aps.anl.gov.

Be sure to specify the APS annual report in your request.

APS activity reports are on line

More than 300 new APS activity reports are available for download in PDF format from our searchable database at:

http://beam.aps.anl.gov/pls/apsweb/apsact_2002_search_pkg.start_page

Search the comprehensive listing of publications derived from APS research in our publications database at:

http://beam.aps.anl.gov/pls/apsweb/pub_V2_OPEN_0006.review_start_page

**At the APS, our door is open
to experimenters from
all scientific disciplines,
whose research can use the
highest-brilliance
hard x-ray beams in the
Western Hemisphere.**

General-user proposals for beam time during Run 2004-3 (October-December 2004) are due by Friday, July 16, 2004. Information on access to beam time at the APS is on the Web at: http://www.aps.anl.gov/user/beamtime/get_beam.html or contact Dr. Dennis Mills, DMM@aps.anl.gov, 630/252-5680.

Information on APS research techniques and beamline capabilities is on the Web at: http://www.aps.anl.gov/user/beamtime/get_beam.html



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a U.S. Department of Energy Office of Science laboratory,
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