

MATERIALS SCIENCE/CRYSTALLOGRAPHY

A Study of Heat-Treatment Induced Framework Contraction in ETS-10 by Powder Neutron Diffraction

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- Magnetic and Crystal Field Excitations in 3D Organic Magnets $\text{M}[\text{N}(\text{CN}_2)]_2$ (M = Co, Mn, Ni)**
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- Single Particle Dynamics of Interfacial Water in Mesoporous Silica Materials**
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- The Dynamic Transition of Protein-Polymer Composites**
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- The Use of Molecular Hydrogen as a Probe of Unsaturated Metal Sites in a Porous Nickel Carboxylate**
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- Tunneling Dynamics of M-Xylene**
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- Vibrational Spectroscopy of Molecular Semiconductors Under Pressure**
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- Vibrations of Supermolecular Cups and Cages Based on Cyclotrimeratylene**
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- Water and Methanol Dynamics in Fuel Cell Membranes**
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Data Acquisition Software for Neutron Spin Echo Spectrometer

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DAVE - Data Analysis and Visualization Environment

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Design and Testing of a 10-800 K Heat Shield Interface

Dender, D.¹⁰², Brand, P.¹⁰², Bailey, J.¹⁰², Fitzgerald, E.¹⁰²

Design of 10 m SANS

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Design of a Neutron Reflectometer for Biological Research

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Design of SPINS, an Improved Generation Cold Neutron Triple Axis Spectrometer

Lee, S-H.^{187,102}, Brocker, C.^{187,102}, Bailey, J.¹⁰²

Development and Design of the Next-Generation Triple-Axis Spectrometer

Wrenn, C.^{187,102}, Murbach, M.^{187,102}, Brand, P.¹⁰², Lynn, J.¹⁰², Brocker, C.^{187,102}

Development of a Dance Floor and Air Pad System for the Next Generation Neutron Scattering Instruments
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Development of a Robust Static Thermal Switch for Fixed Sample Environment Temperatures From 15-650K
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Development of a Training Manual for Sample Environment
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Development of Gas-loading Capability for Samples in Closed-cycle Refrigerators
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Development of Low Activation Sample Holders for use at Small Angle Neutron Scattering and Spin Echo Spectrometry Instrumentation
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Development of Manufacturing Specifications of MACS, A Next Generation Cold Neutron Spectrometer
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Development of NCNR Instrument Proposal Submission and Review System
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Gas Handling System for the DCS
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Improvements of NCNR Intranet Management, Security and Resilience
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MACS - A High Intensity Cold Neutron Spectrometer for NIST
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Modular Electronics Package for Stepper Motor Operation
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New Thermal Neutron Prompt Gamma Ray Activation Analysis Facility at VT-5
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Performance Enhancements of the CHRNS 30-M SANS Instrument
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Radiation and Space Control of the Experimental Areas of the Reactor Confinement Building
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Reflectivity Data Reduction and Model Fitting
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SPICE - An Extensible Data Acquisition Toolkit
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Spurious Scattering Simulation for Experiment Design and Analysis
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Testing Magnetic Field Interactions for a 12 Tesla Magnet on the SPINS Spectrometer
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High Resolution Neutron Spectroscopy
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LASER Polarization of ³He for Neutron Spin Filters and Medical MRI
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Neutron Interferometry and Optics
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Bio-Analytical and Specimen Bank Research
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Certification of Standard Reference Materials by Neutron Activation Analysis
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Evaluation of Errors and Interferences in NAA
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Sharov, V.²¹⁹, Chen-Mayer, H.¹⁰³, Mildner, D.¹⁰²

Hydrogen Detection in Industrial Materials by Incoherent Neutron Scattering
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Improvements to INAA Methodology
Ofaz, R.¹⁰³, Becker, D.¹⁰³, Greenberg, R.¹⁰³, Lindstrom, R.¹⁰³, Mackey, E.¹⁰³, Zeisler, R.¹⁰³

Neutron Absorption Measurements Using Converging Beams
Chen-Mayer, H.¹⁰³, Mackey, E.¹⁰³, Mildner, D.¹⁰², Paul, R.¹⁰³

Neutron Focusing for Analytical Chemistry
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Neutron Transmission Through Tapered Capillaries
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New Developments in NDP
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Quality Assurance Improvements for NAA
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Reactor Characterization for NAA
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