

Materials Science/Crystallography

A SANS Study on Clathrate Hydrates

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- Phonon Anomalies in Ti₍₅₀₎Pd₍₄₀₎Cr₍₈₎**
Shapiro, S.⁴², Winn, B.⁴²
- Phonon Behavior in Ferromagnetic Shape Memory Alloy Ni₂MnGa**
Shapiro, A.⁴², Gardner, J.^{42, 247}, Stassis, C.⁵⁸⁸
- Phonon Dampening in La_{1.2}Sr_{1.8}Mn₂O₇**
Argyriou, D.¹⁰⁹, Aliouane, N.¹⁰⁹, Lynn, J.²⁴⁷
- Phonon/Spin Excitations in the Ferromagnetic Superconductor ErNi₂B₂C**
Choi, S.⁶¹⁶, Lynn, J.²⁴⁷, Lee, J.⁶¹⁶, Canfield, P.⁵⁸⁸
- Phonons in Cd₂Re₂O₇**
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Kreyssig, A.⁷³⁶, Stockert, O.⁶¹⁷, Lynn, J.²⁴⁷
- Polarized-Neutron Scattering Measurements of the Oxygen Moment in (La,Sr)MnO₃**
Gehring, P.²⁴⁷, Shirane, G.⁴², Hirota, K.³⁸⁵, Lynn, J.²⁴⁷
- Polaron Formation in (Pr,La)-CaMnO₃**
Fernandez-Baca, J.²⁷⁰, Dai, P.²⁷⁰, Lynn, J.²⁴⁷, Adams, C.³¹⁸, Tomioka, Y.³⁸¹, Tokura, Y.³⁸¹
- Powder Neutron Diffraction Analysis and Magnetic Structure of Kagome-Type Vanadium Jarosite, NaV₃(OD)₆(SO₄)₂**
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- Quantum Tunneling in the Single Crystal Fe₈ Molecular Magnet**
Sato, T.^{222, 247}, Maegawa, S.¹⁷⁴, Ueda, M.¹⁷⁴, Lee, S.²⁴⁷
- Quasielastic Neutron Scattering Study of Adsorption Dynamics on Different Time Scales**
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- Search for Incommensurate Spin Fluctuations in Sr_{1.9}Ca_{0.1}RuO₄**
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Gammel, P.¹⁹³, Lopez, S.¹⁹³, Dender, D.²⁴⁷, Choi, S.⁴⁷⁰, Lynn, J.²⁴⁷

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A SANS Study of the Aggregation of Membrane-Bound Proteins as the Molecular Basis for Intercellular Recognition and Signaling in Adaptive Immune-Response
Paulaitis, M.¹⁶³, Krueger, S.²⁴⁷, Bossev, D.^{470, 247}, Schneck, J.¹⁶³, Fahmy, T.¹⁶³

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Effects of Counterions on Azoarcus Ribozyme Folding
Perez-Salas, U.²⁴⁷, Woodson, S.¹⁶³, Briber, R.⁴⁷⁰, Thirumalai, D.⁴⁷⁰, Rangan, P.¹⁶³

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Chen, S.¹⁹⁷, Chen, W.¹⁹⁷, Fratini, E.⁶¹⁴, Baglioni, P.⁶¹⁴

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Paulaitis, M.¹⁶³, Paliwal, A.¹⁶³, Bossev, D.^{470, 247}

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Briber, R.⁴⁷⁰, Thirumalai, D.⁴⁷⁰, Woodson, S.¹⁶³, Ragan, P.¹⁶³, Krueger, S.²⁴⁷, Perez-Salas, U.²⁴⁷, Georgieva, E.²⁴⁵

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Kent, M.³²⁰, Yim, H.³²⁰

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Rubinson, K.⁵¹, Gronenborn, A.²²⁷, Bossev, D.^{470, 247}, Krueger, S.²⁴⁷

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Pivovar, A.²⁴⁷, Tarek, M.⁷⁴⁷, Neumann, D.²⁴⁷

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SANS of the Aggregation of Membrane-Bound Proteins as the Molecular Basis for Intercellular Recognition and Signaling in Adaptive Immune Response

Paulaitis, M.¹⁶³, Schneck, J.¹⁶³, Fahmy, A.¹⁶³, Bossev, D.^{470, 247}, Krueger, S.²⁴⁷

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Hirst, L.⁴⁴¹, Pynn, R.¹⁸⁸, Safinya, C.⁴⁴¹

Small Angle Scattering Study of the Excited State of Photosystem 1 Complex

Urban, V.²⁷⁰, Greenbaum, E.²⁷⁰, O'Neill, H.⁴⁹⁹, Lee, I.⁴⁹⁹

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Krueger, J.³⁷⁴, Modi, N.³⁷⁴, Heller, W.²⁷⁰, Trehwella, J.¹⁸⁸

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Nixon, T.²⁸⁷, Krueger, S.²⁴⁷

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Krueger, S.²⁴⁷, Schwarz, F.^{245, 653}

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Kent, M.¹⁶⁶, Yim, H.³²⁰, Sasaki, D.³²⁰, Satija, R.²⁴⁷

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Cook, J.^{470, 247}, Skripov, A.⁵¹², Udovic, T.²⁴⁷, Gonzalez, M.⁶⁹⁰, Hempelmann, R.⁴²⁷, Kozhanov, V.⁵¹²

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Skripov, A.⁵¹², Udovic, T.²⁴⁷, Cook, J.^{470, 247}

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Chen, S.¹⁹⁷, Chen, W.¹⁹⁷, Mallamace, F.¹⁹⁷

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Lee, K.⁴⁴⁵, Ege, C.⁴⁴⁵, Majewski, J.¹⁸⁸

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Low-Energy Excitations in M[N(CN)₂]₂ (M = Mn, Hg)

Manson, J.²⁴, Bordallo, H.²⁴, Copley, J.²⁴⁷, Cook, J.^{470, 247}

Low-Energy Excitations in Mn and CuX₂(Pyrazine) (X = Cl, Br)

Manson, J.²⁴, Brown, C.^{470, 247}

Low-Energy Spin Excitations in Mn[N(CN)₂]₂ (pyz) {pyz = Pyrazine}

Manson, J.²⁴, Bordallo, H.²⁴, Chapon, L.²⁴, Cook, J.^{470, 247}, Copley, J.²⁴⁷

Metal-Insulator Phase Transition in Li_(1-x)Zn_(x)V₂O₄

Park, S.⁴⁷⁰, Lee, S.^{470, 247}, Ueda, Y.³⁸¹, Rush, J.²⁴⁷

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Park, S.³³⁷, Lee, S.⁴⁷⁰, Yamada, K.³⁸⁵

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Udovic, T.²⁴⁷, Chowdhuri, Z.^{470, 247}, Cappelletti, R.²⁴⁷, Hauback, B.¹³⁷, Maeland, A.¹³⁷

Neutron Vibrational Spectroscopy of Organic Materials

Hudson, B.³⁴⁰, Middleton, C.³⁴⁰, Jenkins, T.³⁴⁰, Kuzmicheva, J.²¹⁴, Baronov, S.²¹⁴, Brown, C.^{470, 247}, Ciezak, J.³⁴⁰, Lan, Y.³⁴⁰

Protonic Diffusion in Solid Acids

Yildirim, T.²⁴⁷, Neumann, D.²⁴⁷, Haile, S.⁴⁴, Udovic, T.²⁴⁷

Quantitative Analysis of UH₃ in U Metal and UO₂ Matrices by Neutron Vibrational Spectroscopy

Glagonenko, I.¹²⁶, Carney, K.²⁴, Kern, S.⁶³, Goremychkin, E.¹²⁶, Udovic, T.²⁴⁷, Copley, J.²⁴⁷, Cook, D.⁴⁷⁰

Self-Diffusion of Tris-Naphthylbenzene at the Glass Transition

Ediger, M.⁵⁰⁹, Swallen, M.⁵⁰⁹, Mapes, M.⁵⁰⁹

Static and Dynamic Spin Correlations in Geometrically Frustrated Magnets

Gaulin, B.²⁰⁰, van Duijn, J.²⁰⁰, Lee, Y.⁴⁷⁰

The Dynamics and Glass Transition in Ultrathin Polymer Films

Soles, C.²⁵⁵, Dimeo, R.²⁴⁷, Wu, W.²⁵⁵

The Dynamics of Proteins in Solutions

Pivovar, A.²⁴⁷, Tarek, M.⁴⁸⁸, Tobias, D.⁴³⁸, Neumann, D.²⁴⁷

The Effects of Pore Size on Confined Quantum Rotational Tunneling

Dimeo, R.²⁴⁷, Neumann, D.²⁴⁷

The Structure and Dynamics of Hydrogen in Laves-Phase Intermetallics

Skripov, A.⁵¹², Udovic, T.²⁴⁷, Cook, J.^{470, 247}, Huang, Q.²⁴⁷, Solonin, A.⁵¹², Rempel, A.⁵¹², Gusev, A.⁵¹², Kozhanov, V.⁵¹², Buzlukov, A.⁵¹², Stepanov, A.⁵¹²

The Structure and Dynamics of Hydrogen in Niobium and Titanium Carbides

Skripov, A.⁵¹², Udovic, T.²⁴⁷, Cook, J.^{470, 247}, Huang, Q.²⁴⁷, Solonin, A.⁵¹², Rempel, A.⁵¹², Gusev, A.⁵¹², Kozhanov, V.⁵¹², Buzlukov, A.⁵¹², Stepanov, A.⁵¹², Hempelmann, R.⁴²⁷

Tunneling Dynamics of M-Xylene

Kirstein, O.⁹⁷, Prager, M.⁹⁷, Dimeo, R.²⁴⁷

Vibrational Spectra of Complex Hydrides

Udovic, T.²⁴⁷, Jensen, C.⁵⁷⁰

Vibrational Spectroscopy of Hydrofluorocarbons

Udovic, T.²⁴⁷, Crawford, M.⁷⁹

Vibrational Spectroscopy of Molecular Semiconductors Under Pressure

Pivovar, A.²⁴⁷, Chesterfield, R.⁴⁷⁷, Frisbie, C.⁴⁷⁷

Vibrations of Hydrogen in Electrolytically Charged Cu and Ni

Udovic, T.²⁴⁷, Fukai, Y.⁷⁵⁰

Water and Methanol Dynamics in Fuel Cell Membranes

Pivovar, A.²⁴⁷, Pivovar, B.¹⁸⁸, Udovic, T.²⁴⁷, Brown, B.⁴⁷⁰, Neumann, D.²⁴⁷

Water Dynamics in AMH-3

Nair, S.^{470, 247}, Jeong, H.⁴⁷³, Tsapatsis, M.⁴⁷³

Instrumentation

Acceptance Diagram Analysis of the Contaminant Pulse Removal Problem With Direct Geometry Neutron Chopper Spectrometers

Copley, J.²⁴⁷

Alignment and Shaping of Single Crystals for use in Double Focusing Neutron Monochromators

Mildner, D.²⁴⁷, Brand, P.²⁴⁷, Lynn, J.²⁴⁷, Neumann, D.²⁴⁷, Clem, D.²⁴⁷

Bearing Wear Study for the High Flux Backscattering Spectrometer Doppler Drive

Fushetto, J.²⁴⁷, Chowdhuri, Z.^{470, 247}, Brand, P.²⁴⁷

Convergent Beam Neutron Crystallography

Gibson, W.⁵³⁴, Schultz, A.²⁴, Richardson, J.²⁴, Carpenter, J.²⁴, Mildner, D.²⁴⁷, Prask, H.²⁴⁷, Chen-Mayer, H.²⁴⁴, Gnaeupel-Herold, T.^{470, 247}

Data Acquisition Software for the Neutron Spin Echo Spectrometer

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Data Acquisition Software for the Next-Generation Triple-Axis Spectrometer

Doucet, M.^{470, 247}, Maliszewskij, N.²⁴⁷

DAVE - Data Analysis and Visualization Environment

Dimeo, R.²⁴⁷, Copley, J.²⁴⁷, Munter, A.²⁴⁷, Azuah, R.^{470, 247}, Lee, S.⁴⁷⁰, Park, S.^{470, 247}, Brown, C.^{470, 247}, Qiu, Y.^{470, 247}, Riseman, T.²⁴⁷

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

Dender, D.²⁴⁷, Brand, P.²⁴⁷, Fitzgerald, E.²⁴⁷

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

Brocker, C.^{470, 247}, Bailey, J.²⁴⁷

Development and Alignment of a Horizontally Focusing Combined

Ge₍₅₃₃₎/Ge₍₇₃₃₎ Fankuchen-Cut Monochromator at BT-1

Toby, B.²⁴⁷, Stalick, J.²⁴⁷, Santoro, A.²⁴⁷, Mildner, D.²⁴⁷, Johnson, D.²⁴⁷, Rhinehart, M.²⁴⁷, Baltic, G.²⁴⁷, Kendig, D.²⁴⁷, Schroder, I.²⁴⁷, Prince, E.²⁴⁷, Trevino, S.^{393, 247}, Cassells, A.²⁴⁷

Development and Implementation of a Comprehensive Design Data Management System

Kopetka, P.²⁴⁷, Wrenn, C.^{470, 247}

Development of a 10 Meter SANS

Moyer, J.²⁴⁷, Brand, P.²⁴⁷, Barker, J.²⁴⁷, Glinka, C.²⁴⁷

Development of a Dance Floor and Air Pad System for the Next Generation Neutron Scattering Instruments

Murbach, M.^{470, 247}, Pierce, D.²⁴⁷, Wrenn, C.^{470, 247}, Maliszewskij, N.²⁴⁷, Brand, P.²⁴⁷, English, M.²⁴⁷

Development of a Neutron Guide Simulation Program

Cook, J.^{470, 247}

Development of a Preamplifier/Amplifier/Discriminator System for Counting Neutron Events

Ziegler, J.²⁴⁷

Development of a Sample Environment Training Manual

Anderman, R.²⁴⁷, Clow Jr., W.²⁴⁷, Fitzgerald, E.²⁴⁷

Development of Manufacturing Specifications for MACS, A Next Generation Cold Neutron Spectrometer

Pike, T.^{163, 247}, Broholm, C.^{163, 247}

Development of NCNR Instrument Proposal Submission and Review System

Munter, A.²⁴⁷, Kamitakahara, W.²⁴⁷, Cappelletti, R.²⁴⁷

Development of the Advanced Neutron Diffractometer/Reflectometer for Biological Research

Pierce, D.²⁴⁷, Huang, Z.²⁴⁷, Dura, J.²⁴⁷, Baltic, G.²⁴⁷, Clem, D.²⁴⁷, Gue, M.²⁴⁷, Johnson, D.²⁴⁷, Rhinehart, M.²⁴⁷, Slifer, S.²⁴⁷

Digital Photogrammetry Systems

Murbach, M.^{470, 247}

Emergency Shutdown Circuit for Superconducting Magnets

Dender, D.²⁴⁷, Shuman, L.²⁴⁷

Feasibility Studies of Alternative Incident Beam Filtering Options for the HFBS

Schroder, I.²⁴⁷, Cook, J.^{470, 247}

Gas Cylinder Lifting Cage, Design and Assembly

Baltic, G.²⁴⁷, Clow Jr., W.²⁴⁷, Slifer, S.²⁴⁷

Improvements of NCNR Intranet Management, Security, and Resilience

Klosowski, P.²⁴⁷, Maliszewskij, N.²⁴⁷, Munter, A.²⁴⁷

Improvements to the Advanced Liquid Hydrogen Cold Neutron Source

Williams, R.²⁴⁷, Kopetka, P.²⁴⁷, Rowe, J.²⁴⁷, Slifer, S.²⁴⁷, Nester, D.²⁴⁷

Infrastructure Improvements in the Reactor Confinement Building

English, M.²⁴⁷, Gallagher, P.²⁴⁷, Brand, P.²⁴⁷

In-Situ Real-Time Neutron Beam Imaging

Maliszewskij, N.²⁴⁷, Woodward, F.²⁴⁷

Instrument Motor Control Standardization

Kendig, D.²⁴⁷, Ziegler, J.²⁴⁷, Maliszewskij, N.²⁴⁷

Interchangeable Double Focusing Monochromators for BT7 and BT4

Smee, S.^{163, 247}, Scharfstein, G.¹⁶³, Orndorff, J.¹⁶³, Hammond, R.¹⁶³, Brand, P.²⁴⁷, Maliszewskij, N.²⁴⁷

Laser Based Alignment System for DARTS

Brand, P.²⁴⁷, Bailey, J.²⁴⁷

Layout of the Experimental Areas of the Reactor Confinement Building

English, M.²⁴⁷, Brand, P.²⁴⁷

Load Support System for Sample Environment Equipment

Moyer, J.²⁴⁷, Dender, D.²⁴⁷, Brand, P.²⁴⁷

MACS - A High Intensity Cold Neutron Spectrometer for NIST

Broholm, C.^{163, 247}, Barkhouser, R.¹⁶³, Orndorff, J.¹⁶³, Pike, T.^{163, 247}, Qiu, Y.^{470, 247}, Reeves, T.¹⁶³, Scharfstein, G.¹⁶³, Smee, S.¹⁶³, Brand, P.²⁴⁷, Lynn, J.²⁴⁷, Gallagher, P.²⁴⁷, Schroder, I.²⁴⁷, Brocker, C.^{470, 247}, Cook, J.^{470, 247}

Magnetic Shielding of Intrusion Alarm on the SPINS Spectrometer

Kendig, D.²⁴⁷, Dender, D.²⁴⁷, English, M.²⁴⁷, Shuman, L.²⁴⁷

MCNP Calculations of the Radiation Fields at the BT-7 Drum

Cook, J.^{470, 247}, Wrenn, C.^{470, 247}, Brand, P.²⁴⁷, Williams, R.²⁴⁷

MCNP Calculations of the Radiation Fields Beyond the MACS Shutter

Cook, J.^{470, 247}, Gallagher, P.^{247, 653}, Rowe, J.²⁴⁷, Williams, R.²⁴⁷

Metallurgy of Bismuth Filters for the Filter Analyzer Spectrometer

Udovic, T.²⁴⁷, Leao, J.²⁴⁷, Fields, R.²⁵³

Modification of Premonochromator Curvature for the BT5 PCD

Moyer, J.²⁴⁷, Barker, J.²⁴⁷, Kim, M.^{470, 247}, Rinehart, M.²⁴⁷, Clem, D.²⁴⁷, Nester, D.²⁴⁷, Baltic, G.²⁴⁷

Modular Electronics Package for Stepper Motor Operation

Ziegler, J.²⁴⁷, Kendig, D.²⁴⁷, Maliszewskij, N.²⁴⁷

MSLICE for DCS: A Time-of-Flight Visualization Utility

Qiu, Y.^{470, 247}

Needle Valve Heater Power Supply for Liquid Helium Cryostats

Anderman, R.²⁴⁷, Shuman, L.²⁴⁷

New Thermal Neutron Prompt Gamma Ray Activation Analysis Facility at VT-5

Mackey, E.²⁴⁴, Lindstrom, R.²⁴⁴, Anderson, D.⁹³, Liposky, P.²⁴⁷

NG-4 Guide Modification for the Disk Chopper Spectrometer

Cook, J.^{470, 247}, Copley, J.²⁴⁷

NIST - SNS Collaboration on the NeXus Exchange Data Format

Klosowski, P.²⁴⁷, Peterson, P.²⁷⁰, Osborn, R.²⁴

Optimization of the Rheometer for SANS

Moyer, J.²⁴⁷, Glinka, C.²⁴⁷

Performance Enhancements of the CHRNS 30-M SANS Instrument

Cook, J.^{470, 247}, Schroder, I.²⁴⁷, Kline, S.²⁴⁷, Hammouda, B.²⁴⁷, Glinka, C.²⁴⁷, Choi, S.⁴⁷⁰

Preliminary Studies of a Neutron Resonance Spin Echo Spectrometer

Cook, J.^{470, 247}, Schroder, I.²⁴⁷, Neumann, D.²⁴⁷

Reflectivity Data Reduction and Model Fitting

Kienzle, P.²⁴⁷, O'Donovan, K.^{470, 247}, Borchers, J.²⁴⁷

Specification of a Neutron Laue Camera

Toby, B.²⁴⁷, Toby, B.²⁴⁷, Jones, C.²⁴⁷, Brand, P.²⁴⁷

SPICE - An Extensible Data Acquisition Toolkit

Maliszewskij, N.²⁴⁷

Spurious Scattering Simulation for Experiment Design and Analysis

Riseman, T.²⁴⁷, Woodward, F.²⁴⁷

Standardized Remote Control of Neutron Linear and Area Detectors

Doucet, M.^{470, 247}, Ziegler, J.²⁴⁷, Maliszewskij, N.²⁴⁷

Stepper Motor Alternatives for Use in High Magnetic Field Areas

Smee, S.¹⁶³, Maliszewskij, N.²⁴⁷, Brand, P.²⁴⁷, English, M.²⁴⁷

Temperature Sensing and Control for Sample Environments From 300 K to 800 K

Anderman, R.²⁴⁷, Chowdhuri, Z.^{470, 247}, Dender, D.²⁴⁷

Testing Magnetic Field Interactions for a 12 Tesla Magnet on the BT-1 Spectrometer

Anderman, R.²⁴⁷, Fitzgerald, E.²⁴⁷

Testing Magnetic Field Interactions for a 12 Tesla Magnet on the BT-7 Bucket

Anderman, R.²⁴⁷, Fitzgerald, E.²⁴⁷, Lynn, J.²⁴⁷

The BT-7 Double Focusing Triple-Axis Spectrometer

Wrenn, C.^{470, 247}, Murbach, M.^{470, 247}, Brand, P.²⁴⁷, Brocker, C.^{470, 247},
Lynn, J.²⁴⁷, Baltic, G.²⁴⁷, Clem, D.²⁴⁷, Gue, M.²⁴⁷, Johnson, D.²⁴⁷,
Rhinehart, M.²⁴⁷, Slifer, S.²⁴⁷

Thermal Shield Cooling System Analysis

McDonald, M.²⁴⁷, Brown, D.²⁴⁷, Brand, P.²⁴⁷

Use of Vacuum Chuck and Aspirator in Electric Discharge Machining of Crystals

Smee, S.¹⁶³, Clem, D.²⁴⁷, Brand, P.²⁴⁷

User Manuals for Sample Environment Equipment

Anderman, R.²⁴⁷, Clow Jr., W.²⁴⁷, Fitzgerald, E.²⁴⁷

VIPER - A VME-Based Intelligent Peripheral for Motor and Detector Control

Keyser, D.²⁴⁷, Maliszewskyj, N.²⁴⁷

Quality Assurance Improvements for NAA

Spatz, R.²⁴⁴, Becker, D.²⁴⁴, Greenberg, R.²⁴⁴, Lindstrom, R.²⁴⁴,
Mackey, E.²⁴⁴, Zeisler, R.²⁴⁴

Reactor Characterization for NAA

Becker, D.²⁴⁴, Lindstrom, R.²⁴⁴, Zeisler, R.²⁴⁴

Transmission Measurements of Polycrystalline Bismuth

Udovic, T.²⁴⁷, Leao, J.²⁴⁷, Brown, C.^{470, 247}, Zeitoun, R.⁴⁷⁰,
Neumann, D.²⁴⁷, Brand, P.²⁴⁷

Vibrational Spectra of Bismuth Filter Materials

Udovic, T.²⁴⁷, Leao, J.²⁴⁷, Brown, C.^{470, 247}, Zeitoun, R.⁴⁷⁰,
Neumann, D.²⁴⁷, Brand, P.²⁴⁷

Neutron Physics

Accurate Determination of Neutron Capture Flux

Dewey, M.²⁵⁰, Arif, M.^{250, 247}, Gilliam, D.²⁵⁰, Nico, J.²⁵⁰, Snow, W.¹³⁰,
Scott, R.⁷⁴⁶, Hansen, G.¹³⁰, Huffman, P.²⁵⁰

High Resolution Neutron Spectroscopy

Nico, J.²⁵⁰, Thompson, A.²⁵⁰, Gilliam, D.²⁵⁰, Fisher, B.³⁹¹, Hansen, G.¹³⁰

LASER Polarization of ³He for Neutron Spin Filters and Medical MRI

Thompson, A.²⁵⁰, Gentile, T.²⁵⁰, Jones, G.¹¹¹, Snow, W.¹³⁰, Chen, W.¹³⁰

Neutron Calorimetry

Snow, W.¹³⁰, Nico, J.²⁵⁰, Dewey, M.²⁵⁰, Huffman, P.²⁵⁰

Neutron Imaging

Arif, M.^{250, 247}, Jacobson, D.²⁵⁰, Satija, R.⁷³⁴, Gentile, T.²⁵⁰,
Estermann, M.²⁸⁵, Lawson, P.⁶³¹, Richards, W.¹⁹⁸

Neutron Interferometry and Optics

Arif, M.^{250, 247}, Jacobson, D.²⁵⁰, Clothier, R.³⁵, Werner, S.⁴⁷⁸,
Zeilinger, A.⁴⁶³, Raum, K.⁴⁸⁰, Schillinger, B.⁴⁸⁰, Rausch, C.⁴⁸⁰,
Schoen, K.⁴⁷⁸, Allman, B.⁴⁷⁵, McMahon, T.⁴⁷⁵, Huffman, P.²⁵⁰,
Thompson, A.²⁵⁰, Snow, W.¹³⁰, Wietfeldt, F.³⁹¹

Symmetries and Parameters of the Weak Nuclear Interaction

Nico, J.²⁵⁰, Dewey, M.²⁵⁰, Gentile, T.²⁵⁰, Thompson, A.²⁵⁰,
Huffman, P.²⁵⁰, Snow, W.¹³⁰, Doyle, J.¹¹³, Golub, R.¹⁰⁹, Wietfeldt, F.³⁹¹,
Wilkerson, J.⁵⁰⁷, Mumm, H.⁵⁰⁷

Trapping of Ultra Cold Neutrons

Thompson, A.²⁵⁰, Doyle, J.¹¹³, Lamoreaux, S.¹⁸⁸, Golub, R.¹⁰⁹,
Dewey, M.²⁵⁰, Huffman, P.²⁵⁰, Dzhosyuk, S.¹¹³, Coakley, K.²⁵⁸,
Korobkina, E.¹⁰⁹, Yang, L.¹¹³, van Buuren, L.¹¹³

Materials Analysis

Analytical Applications of Cold Neutrons

Spatz, R.²⁴⁴, Chen-Mayer, H.²⁴⁴, Greenberg, R.²⁴⁴, Lamaze, G.²⁴⁴,
Langland, J.²⁴⁴, Lindstrom, R.²⁴⁴, Mackey, E.²⁴⁴, Mildner, D.²⁴⁷,
Paul, R.²⁴⁴

Bio-Analytical and Specimen Bank Research

Greenberg, R.²⁴⁴, Mackey, E.²⁴⁴, Porter, B.²⁴⁴, Zeisler, R.²⁴⁴

Certification of Standard Reference Materials by Neutron Activation Analysis

Becker, D.²⁴⁴, Spatz, R.²⁴⁴, Greenberg, R.²⁴⁴, Lindstrom, R.²⁴⁴,
Mackey, E.²⁴⁴, Zeisler, R.²⁴⁴

Characterization of Submicrometer Aerosol Particles

Ondov, J.⁴⁷⁰, Zeisler, R.²⁴⁴, Spatz, R.²⁴⁴

Evaluation of Errors and Interferences in NAA

Becker, D.²⁴⁴, Blackman, M.²⁴⁴, Greenberg, R.²⁴⁴, Lindstrom, R.²⁴⁴,
Zeisler, R.²⁴⁴, Paul, R.²⁴⁴

Focusing Methods for Radiography and Topography

Chen-Mayer, H.²⁴⁴, Mildner, D.²⁴⁷

Hydrogen Detection in Hydrothermally Synthesized BaTiO₃ Powder

Atakan, V.³¹⁵, Lindstrom, R.²⁴⁴, Paul, R.²⁴⁴

Hydrogen Detection in Industrial Materials by Incoherent Neutron Scattering

Chen-Mayer, H.²⁴⁴, Mildner, D.²⁴⁷

Improvements to INAA Methodology

Spatz, R.²⁴⁴, Becker, D.²⁴⁴, Greenberg, R.²⁴⁴, Lindstrom, R.²⁴⁴,
Mackey, E.²⁴⁴, Zeisler, R.²⁴⁴

Neutron Absorption Measurements Using Converging Beams

Chen-Mayer, H.²⁴⁴, Mackey, E.²⁴⁴, Mildner, D.²⁴⁷, Paul, R.²⁴⁴

Neutron Focusing for Analytical Chemistry

Chen-Mayer, H.²⁴⁴, Lamaze, G.²⁴⁴, Mackey, E.²⁴⁴, Mildner, D.²⁴⁷

Neutron Transmission Through Tapered Capillaries

Chen-Mayer, H.²⁴⁴, Mildner, D.²⁴⁷

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Chen-Mayer, H.²⁴⁴, Lamaze, G.²⁴⁴

Affiliations

- 15 ALCOA Laboratories
- 24 Argonne National Laboratory
- 29 Australian Nuclear Science and Technology Organization
- 35 Bethany College
- 39 Boeing Company - St. Louis
- 42 Brookhaven National Laboratory
- 43 Brown University
- 44 California Institute of Technology
- 48 Carnegie Mellon University
- 51 Center for Advanced Research in Biotechnology
- 53 Central Research Institute of Electric Power Industry
- 55 Centre National de la Recherche Scientifique
- 57 Chalk River Laboratories
- 58 China Institute of Atomic Energy
- 59 Clark University
- 61 Clemson University
- 63 Colorado State University
- 66 Comision Nacional de Energia Atomica
- 67 Commissariat a l'Energie Atomique
- 68 Rhodia, Inc.
- 70 Cornell University
- 71 Cracow University of Technology
- 76 Dow Corning Corporation
- 78 Duke University Medical Center
- 79 DuPont
- 80 DuPont Experimental Station
- 81 DuPont Marshall Laboratory
- 82 Eastman Kodak Company
- 85 Emory University School of Medicine
- 87 ExxonMobil
- 89 Federal Highway Administration
- 91 Florida Atlantic University
- 92 Florida State University
- 93 Food and Drug Administration
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- 96 Forschungszentrum Juelich KFA
- 97 Forschungszentrum Julich GmbH
- 100 General Electric
- 103 General Motors Research and Development Center
- 104 Georgetown University
- 105 Georgia Institute of Technology
- 109 Hahn-Meitner Institute
- 111 Hamilton College
- 113 Harvard University
- 116 Hiroshima University
- 123 IBM Almaden Research Center
- 126 Idaho State University
- 130 Indiana University
- 134 Institut Max von Laue-Paul Langevin (ILL)
- 137 Institute for Energy Technology
- 140 Istituto Materiali Speciali per Elettronica e Magnetismo
- 147 Institute of Plasma Physics (Czech)
- 154 Iowa State University
- 155 ISIS Pulsed Neutron & Muon Source
- 163 Johns Hopkins University
- 166 Kent State University
- 173 Kyoto Institute of Technology
- 174 Kyoto University
- 176 Laboratoire de Cristallographie - Grenoble
- 183 Lawrence Livermore National Laboratory
- 185 Lehigh University
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- 198 McClellan Nuclear Radiation Center
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- 213 Moscow Institute of Steel and Alloys
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- 235 Naval Research Laboratory
- 244 NIST, Analytical Chemistry Division
- 245 NIST, Biotechnology Division
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- 247 NIST, Center for Neutron Research
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- 262 North Carolina State University
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- 268 NIST, Building Materials Division
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- 284 Pacific Northwest National Laboratory
- 285 Paul Scherrer Institute
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- 296 Purdue University
- 302 Rensselaer Polytechnic Institute
- 306 Rice University
- 309 Rohm and Haas Company
- 315 Rutgers - The State University of New Jersey
- 318 Saint Francis Xavier University
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517 Virginia State University
518 Virginia Polytechnic Institute and State University
522 Warsaw University
523 Washington State University
529 West Virginia University
534 X-Ray Optical Systems, Inc.
549 Texas A & M University
568 Ruhr-Universität Bochum
570 University of Hawaii
580 Kansas State University
588 Ames Laboratory
603 Intense Pulsed Neutron Source, Argonne National Laboratory
610 Universität Göttingen
614 University of Florence

616 Korea Advanced Institute of Science and Technology
617 Max-Planck-Institut für Festkörperforschung
623 Chrysalis Technologies
628 Engelhard Corporation
629 NIST, Optical Technology Division
631 Deutsche Schule (Washington, DC)
637 GE Aircraft Engines
640 Bucknell University
641 Institute of Physics, Chinese Academy of Science
648 Institut des Matériaux, CNRS
649 Centre de Recherche sur la Matière Divisée
650 Technical University of Munich
665 State University of New York at Stony Brook
668 K-JIST
676 University of Tokyo
680 National Institute of Health (NIH)
685 U.S. Steel Corporation

686 Third Wave Systems, Inc.
687 Department of Transportation, Cambridge
690 Institut Laue-Langevin
691 University of Warwick
694 Jet Propulsion Laboratory, NASA
697 University of Nevada - Reno
698 Indiana University of Pennsylvania
700 Physics Institute
701 Institute of the Materials for the Electronics and the Magnetism
707 New Jersey Institute of Technology
708 International Flavors and Fragrances, Inc.
710 National Cancer Institute
711 NIST, Materials and Construction Research Division
713 Michigan Technological University
715 Virginia Tech
717 Laboratorio Nacional de Luz Sincrotron
718 University of Western Australia
719 University of Leeds
720 Marquette University
722 NIST, Materials and Construction Research Division
724 Research Institute of Physics
725 Mississippi State University
727 Hitachi Global Storage Technologies
733 Universität Dortmund
734 Blair High School
735 Polytechnic of Milan
736 Technischen Universität Dresden
737 St. John's College
738 Istituto dei Materiali per l'Elettronica ed il Magnetismo-IMEM
739 RIKEN Harima Institute
740 CEA - Grenoble, DRFMC/SPSMS/MDN
741 Waseda University
742 Atomic Energy of Canada Limited
743 Centre de Recherche sur les Matériaux a Haute Temperature
744 Institut für Angewandte Physik
745 Universität Erlangen
746 Scottish University Research and Reactor Centre
747 Université Henri Poincaré - Nancy I
750 Chuo University
757 Università degli Studi di Milano
758 Max-Planck-Institut für Metallforschung
763 NIST, Fire Research Division