

- [61] "X-ray Diffraction Topography on Ferroelectric Materials"  
Y. Yoneda, Y. Kohmura, Y. Suzuki, S. Hamazaki, M. Takashige, J. Mizuki  
Transactions of the Materials Research Society of Japan, **30**, (2005), 51-54

## [ JAERI Beamlines ]

### BL11XU

#### Refereed Papers

[1998]

- [1] "SPring-8 Beamlines for High Pressure Science with Multi-Anvil Apparatus"  
W. Utsumi, K. Funakoshi, S. Urakawa, M. Yamakata, K. Tsuji, H. Konishi, O. Shimomura  
The Review of High Pressure Science and Technology, **7**, (1998), 1484-1486

[1999]

- [2] "Experimental Study of the Influence of Magnetic Phase Transition on the Mössbauer Time Spectra of the Nuclear Forward Scattering"  
T. Mitsui, S. Kitao, M. Seto, Y. Yoda, S. Kikuta  
Journal of the Physical Society of Japan, **68**, (1999), 4049-4050

[2000]

- [3] "Measurement of Gas Bremsstrahlung at the SPring-8 Insertion Device Beamline using PWO Scintillator"  
Y. Asano, T. Matsumura, R. Chiba, T. Hashimoto, A. Miura, H. Shimizu, Y. Tajima, H. Y. Yoshida  
Nuclear Instruments and Methods in Physics Research Section A, **451**, (2000), 685-696
- [4] "Nuclear Resonant Scattering of Synchrotron Radiation by <sup>121</sup>Sb and <sup>149</sup>Sm"  
S. Kitao, T. Mitsui, M. Seto  
Journal of the Physical Society of Japan, **69**, (2000), 683-685
- [5] "Nuclear Resonance Scattering of Synchrotron Radiation by <sup>40</sup>K"  
M. Seto, S. Kitao, Y. Kobayashi, R. Haruki, T. Mitsui, Y. Yoda, X. W. Zhang, Y. Maeda  
Physical Review Letters, **84**, (2000), 566-569

[2001]

- [6] "An Inelastic X-ray Scattering Spectrometer for Materials Science on BL11XU at SPring-8"  
T. Inami, T. Fukuda, J. Mizuki, H. Nakao, T. Matsumura, Y. Murakami, K. Hirota, Y. Endoh  
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 1081-1083
- [7] "Diamond Double-Crystal Monochromator in Bragg Geometry Installed on BL-11XU at SPring-8"  
M. Marushita, T. Mitsui, T. Fukuda, M. Takahashi, T. Inami, Y. Katayama, H. Shiwaku, J. Mizuki  
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 392-395
- [8] "The Experimental Apparatus for Synchrotron Radiation Mössbauer Spectroscopy of BL11 in SPring-8"  
T. Mitsui, S. Kitao, X. W. Zhang, M. Marushita, M. Seto  
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 1105-1108

[2002]

- [9] "Dynamics of Fe Cations in an H<sub>2</sub>SO<sub>4</sub> Solution by Nuclear Resonant Quasielastic Scattering"  
R. Haruki, M. Seto, S. Kitao, Y. Yoda, T. Mitsui, Yu. Maeda  
Hyperfine Interactions, **5**, (2002), 139-142
- [10] "Phase Relations of AgI under High Pressure and High Temperature"  
O. Ohtaka, H. Takebe, A. Yoshiasa, H. Fukui, Y. Katayama  
Solid State Communications, **123**, (2002), 213-216
- [11] "Local Structure of Molten LaCl<sub>3</sub> by K-Absorption Edge XAFS"  
Y. Okamoto, H. Shiwaku, T. Yaita, H. Narita, H. Tanida  
Journal of Molecular Structure, **641**, (2002), 71-76
- [12] "Nuclear Resonant Inelastic and Forward Scattering of Synchrotron Radiation by <sup>40</sup>K"  
M. Seto, S. Kitao, Y. Kobayashi, R. Haruki, T. Mitsui, Y. Yoda, X. W. Zhang, K. Kishimoto, Y. Maeda  
Hyperfine Interactions, **141/142**, (2002), 99-108
- [13] "X-Ray Diffractometer for Studies on Molecular-Beam-Epitaxy Growth of III-V Semiconductors"  
M. Takahashi, Y. Yoneda, H. Inoue, N. Yamamoto, J. Mizuki  
Japanese Journal of Applied Physics, **41**, (2002), 6247-6251

[2003]

- [14] "Orbital Excitations in LaMnO<sub>3</sub> Studied by Resonant Inelastic X-Ray Scattering"  
T. Inami, T. Fukuda, J. Mizuki, S. Ishihara, H. Kondo, H. Nakao, T. Matsumura, K. Hirota, Y. Murakami, S. Maekawa, Y. Endoh  
Physical Review B, **67**, (2003), 045108
- [15] "Characterization of Perovskite Related Oxides by Nuclear Resonance Inelastic Scattering of Synchrotron Radiation"  
K. Nomura, A. Rykov, T. Mitsui, Y. Yoda, Y. Kobayashi, M. Seto, Ts. Sawada  
Journal of Radioanalytical and Nuclear Chemistry, **255**, (2003), 187-193
- [16] "Phonon Density of States in Sr<sub>2</sub>FeCoO<sub>6-δ</sub> and BaSrFeCoO<sub>6-δ</sub> : Effects Induced by Magnetic Order and Transport Coherence"  
A. Rykov, K. Nomura, T. Mitsui, M. Seto, T. Sawada, T. Tamegai, M. Tokunaga  
Physical Review B, **68**, (2003), 224401
- [17] "Site-Specific Phonon Density of States Discerned using Electronic States"  
M. Seto, S. Kitao, Y. Kobayashi, R. Haruki, Y. Yoda, T. Mitsui, T. Ishikawa  
Physical Review Letters, **91**, (2003), 185505
- [18] "Time-Resolved X-Ray Diffraction Study on Surface Structure and Morphology during Molecular-Beam Epitaxy Growth"  
M. Takahasi, Y. Yoneda, H. Inoue, N. Yamamoto, J. Mizuki  
Journal of Crystal Growth, **251**, (2003), 51-55
- [19] "Domain Boundaries in the GaAs(001)-2x4 Surface"  
M. Takahasi, Y. Yoneda, N. Yamamoto, J. Mizuki  
Physical Review B, **68**, (2003), 085321

[2004]

- [20] "Transformations in the Intermediate-Range Structure of SiO<sub>2</sub> Glass under High Pressure and Temperature"  
Y. Inamura, Y. Katayama, W. Utsumi, K. Funakoshi  
Physical Review Letters, **93**, (2004), 015501
- [21] "Resonant Inelastic X-ray Scattering Study of the Hole-Doped Manganites La<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> (x=0.2, 0.4)"  
K. Ishii, T. Inami, K. Ohwada, K. Kuzushita, J. Mizuki, Y. Murakami, S. Ishihara, Y. Endoh, S. Maekawa, K. Hirota, Y. Moritomo  
Physical Review B, **70**, (2004), 224437
- [22] "Macroscopic Separation of Dense Fluid Phase and Liquid Phase of Phosphorus"  
Y. Katayama, Y. Inamura, T. Mizutani, M. Yamakata, W. Utsumi, O. Shimomura  
Science, **306**, (2004), 848-851
- [23] "Development of Scanning Type Synchrotron Radiation Mössbauer Microscope Using Focused X-Ray"  
T. Mitsui, Y. Kobayashi, M. Seto  
Japanese Journal of Applied Physics, **43**, (2004), 389-393
- [24] "Local Structure of Molten CdCl<sub>2</sub> Systems"  
Y. Okamoto, H. Shiwaku, T. Yaita, S. Suzuki, K. Minato, H. Tanida  
Zeitschrift für Naturforschung, **59a**, (2004), 819-824
- [25] "Low-Energy Excitations in Brownmillerites and Related Oxides"  
Alexandre I. Rykov, K. Nomura, T. Mitsuya, M. Seto  
Physica B, **350**, (2004), 287-304
- [26] "Enhancement of Incoherent Elastic Scattering with Magnetic Ordering in the Energy Spectra of Nuclear Resonant Scattering"  
M. Seto, J. Matsuno, A. Fujimori, T. Mitsui, Y. Kobayashi, S. Kitao, R. Haruki, S. Kawasaki, M. Takano  
Journal of the Physical Society of Japan, **73**, (2004), 1669-1672

[2005]

- [27] "Theory and Experiment of Orbital Excitations in Correlated Oxides"  
S. Ishihara, Y. Murakami, T. Inami, K. Ishii, J. Mizuki, K. Hirota, S. Maekawa, Y. Endoh  
New Journal of Physics, **7**, (2005), 119
- [28] "Mott Gap Excitations in Twin-Free YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-δ</sub> (T<sub>c</sub>=93 K) Studied by Resonant Inelastic X-Ray Scattering"  
K. Ishii, K. Tsutsui, Y. Endoh, T. Tohyama, K. Kuzushita, T. Inami, K. Ohwada, S. Maekawa, T. Masui, S. Tajima, Y. Murakami, J. Mizuki  
Physical Review Letters, **94**, (2005), 187002

- [29] "Momentum Dependence of Charge Excitations in the Electron-Doped Superconductor  $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$  : A Resonant Inelastic X-Ray Scattering Study"  
K. Ishii, K. Tsutsui, Y. Endoh, T. Tohyama, S. Maekawa, M. Hoesch, K. Kuzushita, M. Tsubota, T. Inami, J. Mizuki, Y. Murakami, K. Yamada  
Physical Review Letters, **94**, (2005), 207003

## BL14B1

### Refereed Papers

[1998]

- [1] "An Additional Axis for the Surface X-Ray Diffractometer"  
M. Takahasi, J. Mizuki  
Journal of Synchrotron Radiation, **5**, (1998), 893-895
- [2] "SPring-8 Beamlines for High Pressure Science with Multi-Anvil Apparatus"  
W. Utsumi, K. Funakoshi, S. Urakawa, M. Yamakata, K. Tsuji, H. Konishi, O. Shimomura  
The Review of High Pressure Science and Technology, **7**, (1998), 1484-1486

[2000]

- [3] "A First-Order Liquid-Liquid Phase Transition in Phosphorus"  
Y. Katayama, T. Mizutani, W. Utsumi, O. Shimomura, M. Yamakata, K. Funakoshi  
Nature, **403**, (2000), 170-173
- [4] "Second-Order Phase Transition of FeS under High Pressure and Temperature"  
K. Kusaba, W. Utsumi, M. Yamakata, O. Shimomura, Y. Syono  
Journal of Physics and Chemistry of Solids, **61**, (2000), 1483-1487
- [5] "Single Crystal Growth of the High Pressure Phase of  $(\text{VO})_2\text{P}_2\text{O}_7$  at 3 GPa"  
T. Saito, T. Terashima, M. Azuma, M. Takano, T. Goto, H. Ohta, W. Utsumi, P. Bordet, D. C. Johnston  
Journal of Solid State Chemistry, **153**, (2000), 124-131
- [6] "High Energy X-Ray Study of the Structure of Vitreous  $\text{B}_2\text{O}_3$ "  
K. Suzuya, Y. Yoneda, S. Kohara, N. Umesaki  
Physics and Chemistry of Glasses, **41**, (2000), 282-285

[2001]

- [7] "Single Crystal Growth of  $\text{CaFeO}_3$  at High Pressure"  
S. Ishiwata, M. Azuma, T. Saito, S. Kawasaki, M. Takano  
粉体および粉末冶金 (Journal of the Japan Society of Powder and Powder Metallurgy), **48**, (2001), 715-718
- [8] "X-Ray Diffraction Study on Structural Change in Liquid Selenium under High Pressure"  
Y. Katayama, T. Mizutani, W. Utsumi, O. Shimomura, K. Tsuji  
Physica Status Solidi B, **223**, (2001), 401-404
- [9] "High-Energy X-Ray Diffraction Studies of Non-Crystalline Materials"  
H. Ohno, S. Kohara, N. Umesaki, K. Suzuya  
Journal of Non-Crystalline Solids, **293-295**, (2001), 125-135
- [10] "Structural Changes of Quartz-Type Crystalline and Vitreous  $\text{GeO}_2$  under Pressure"  
O. Ohtaka, A. Yoshiasa, H. Fukui, k. Murai, M. Okube, Y. Katayama, W. Utsumi, Y. Nishihata  
Journal of Synchrotron Radiation, **8**, (2001), 791-793
- [11] "Fixed-Height Exit Bender of Synchrotron X-Rays above 40 keV"  
Y. Yoneda, N. Matsumoto, Y. Furukawa, T. Ishikawa  
Journal of Synchrotron Radiation, **8**, (2001), 18-21
- [12] "High Energy Synchrotron X-Ray Focusing by Fixed Exit Bender"  
Y. Yoneda, N. Matsumoto, Y. Furukawa, T. Ishikawa  
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 370-372

[2002]

- [13] "Single-Crystal Growth of Transition Metal Oxides at High Pressures of Several GPa"  
M. Azuma, T. Saito, S. Ishiwata, H. Yoshida, M. Takano, Y. Kohsaka, H. Takagi, W. Utsumi  
Journal of Physics: Condensed Matter, **14**, (2002), 11321-11324