

【BL-05】中性子光学基礎物理実験装置

Proposal No.	Title of experiment	Principal investigator	Affiliation
2014A0244	Measurement of neutron lifetime by using pulsed neutron beam	Mishima Kenji	University of Tokyo International Center for Elementary Particle Physics
2014A0222	Detailed studies of phase space distribution of neutron beam	Kitaguchi Masaaki	Nagoya University Center of Experimental studies
2014A0195	Development of multilayer neutron interferometer for white beam II	Seki Yoshichika	RIKEN Center for Advanced Photonics

Reserved

【BL-08】超高分解能粉末中性子回折装置

Proposal No.	Title of experiment	Principal investigator	Affiliation
2014A0235	Role of spin and orbital fluctuations for successive transition of BaFe ₂ As ₂	Ikeuchi Kazuhiko	Comprehensive Research Organization for Science and Society (GROSS) Research Center for Neutron Science and Technology
2014A0209	Role of oxygen in superconducting mechanism for T _c -structured cuprate oxide	Fujita Masaki	Tohoku university Institute for Materials Research
2014A0182	INVESTIGATION OF A UNCONVENTIONAL HYDROGEN GEOMETRIC EFFECT IN HYDROXYL SALTS CO ₂ (OD) ₃ CL AND CO ₂ (OD) ₃ BR	Zheng Xu-Guang	Saga University Department of Physics
2014A0183	INVESTIGATION OF THE MAGNETIC TRANSITION IN TWO NEW QUANTUM-SPIN SYSTEMS OF SPIN-TRIANGULAR CU(OD)CL AND SPIN-TETRAHEDRAL K ₄ CU ₄ CL ₁₀ O	Zheng Xu-Guang	Saga University Department of Physics
2014A0184	CLARIFYING THE MYSTERIOUS INTERMEDIATE PHASE OF PARTIAL MAGNETIC ORDER IN CLINOATACAMITE	Zheng Xu-Guang	Saga University Department of Physics
2014A0186	Magnetic structure of ferrimagnetic spinel compound CoV ₂ O ₄	Ishibashi Hiroki	Osaka Prefecture University Department of Physical Science, Graduate School of Science
2014A0175	Crystal structures at high temperature of layered gallate-based oxide-ion conductors with the Melilite structure	Idemoto Yasushi	Tokyo University of Science Department of Pure and Applied Chemistry, Faculty of Science and Technology

2014A0243	Reexamination of Incommensurate Magnetic Structure in Multiferroic MnCr2O4 and CoCr2O4	Kousaka Yusuke	Aoyama Gakuin University Department of Physics and Mathematics	
2014A0230	Antiferromagnetic state of Heusler alloy Ru ₂ CrSi	Shigeta Iduru	Kagoshima University Department of Physics and Astronomy	Reserved
2014A0305	Structural Investigation of the Novel Structural Typed Mixed-Ionic and Electronic Conducting Materials at high temperature	Fujii Kotaro	Tokyo Institute of Technology Department of Chemistry and Materials Science	Reserved

【BL-12】高分解能チョッパ-分光器

Proposal No.	Title of experiment	Principal investigator	Affiliation	
2014A0326	Neutron Brillouin scattering of liquid methanol	YOSHIDA KOJI	Fukuoka University Chemistry	
2014A0210	Search for high energy spin excitations in extremely overdoped iron based material BaRu2As2	Zhao Jun	Fudan Univ. CHINA Dept. of Physics	
2014A0192	Magnetic excitation of YBaCo4O7 with kagome and triangular lattices	SODA MINORU	University of Tokyo Neutron Science Laboratory, Institute for Solid State Physics	
2014A0208	Magnetic Impurity Effect on the Metal-Nonmetal Transition with Totally-Symmetric Electron Multipole Ordering	Iwasa Kazuaki	Tohoku University Department of Physics	
2014A0232	Neutron-Scattering Study of Magnetic Properties in A New Ferromagnetic Kondo-Lattice System CePd2P2	Ikeda Yoichi	The University of Tokyo Neutron Science Laboratory (NSL), Institute of Solid State Physics (ISSP)	
2014A0218	High energy spin excitations in KxFe2-ySe1.5S0.5	Zhao Jun	Fudan Univ. CHINA Dept. of Physics	Reserved
2014A0202	Ferromagnetic-ferromagnetic transition in Sr0.78(Y, La)0.22CoOy	Terasaki Ichiro	Nagoya University Department of Physics	Reserved

【BL-16】ソフト界面解析装置

Proposal No.	Title of experiment	Principal investigator	Affiliation
2014A0180	in-situ Neutron reflectometry of the adsorbed hydrogen and the oxide film on Pt(111) electrode	Hoshi Nagahiro	Chiba University Graduate School of Engineering, Department of Applied Chemistry and Bio-technology

2014A0233	Surface structures of a mixture of water / antagonistic salts	Sadakane Koichiro	Ritsumeikan University College of Science and Engineering
2014A0242	Hydration and Ordering Behavior of Amphiphilic Polymer Thin Films in Contact with Bulk Water prior to Vesicle Formation	Torikai Naoya	Mie University Department of Chemistry for Materials
2014A0304	Influence of EML/ETL interface structure on organic light emitting device's lifetime	Matsuba Go	Yamagata University Department of Engineering
2014A0294	Effect of Additives on Carbon-Electrolyte Interfaces in Li-ion Secondary Batteries	Harada Masashi	Toyota Central R&D Labs., Inc. Nano analysis Lab.
2014A0313	Formation and Growth of Adsorbed Additive Layers onto Tribo-Coated Surfaces in Lubricant during Friction Process	Hirayama Tomoko	Doshisha University Mechanical Engineering
2014A0221	Study of Diffuse Reflection for the Characterization of Candidate Materials of Ultracold Neutron Storage Cell	Kitaguchi Masaaki	Nagoya University Center of Experimental studies
2014A0277	CO ₂ absorption and surface structure of room temperature ionic liquid-based mixtures	Abe Hiroshi	National Defense Academy Department of Materials Science and Engineering
2014A0172	Neutron reflectivity measurements on the ionic multilayer structures at ionic liquid electrode interface	Nishi Naoya	Kyoto University Graduate School of Engineering
2014A0311	Adsorption of Aqueous Polymer and Additives on Metal Surfaces for Low-Friction Metal Forming	Hirayama Tomoko	Doshisha University Mechanical Engineering

【BL-21】高強度全散乱装置

Proposal No.	Title of experiment	Principal investigator	Affiliation
2014A0330	Structure analysis for amorphous carbon with low friction by total scattering measurement	Nozaki Hiroshi	Toyota Central R&D Labs., Inc. Materials Analysis Evaluation Division
2014A0228	Structures of Pd/Pt nano-alloys and their mixing transitions derived by hydrogen absorption/desorption processes	Yamamuro Osamu	University of Tokyo Institute for Solid State Physics
2014A0329	Crystal structure analyses for new hydrogen storage materials when absorbing/desorbing hydrogen	Nozaki Hiroshi	Toyota Central R&D Labs., Inc. Materials Analysis Evaluation Division
2014A0194	The determination of mixing state of binary solution in confined space	Iiyama Taku	Shinshu University Faculty of Science
2014A0200	Formation and Decomposition Processes of Metal-Deuterium Bonds between LaMg ₂ Ni and LaMg ₂ NiD ₇ Studied by in-situ Powder Neutron Diffraction	Sato Toyoto	Tohoku University Institute for Materials Research
2014A0212	Visualization of conduction pathways of lithium ions in Li ₂ S-GeS ₂ and Li ₂ S-SiS ₂ glasses	MORI Kazuhiro	Kyoto University Research Reactor Institute
2014A0178	Structural fluctuation by mixed ionic conduction in superionic conductors and their molten phases and anion polarization effects	Tahara Shuta	University of the Ryukyus Department of Physics and Earth Sciences, Faculty of science
2014A0197	Observation of local lattice distortion causing self-doping effect in half metallic ferromagnet CrO ₂	Kodama Katsuaki	Japan Atomic Energy Agency Quantum Beam Science Directorate (Tokai)
2014A0219	Dynamic nature of the inhomogeneous structure in metallic glasses	Wang Xun-Li	City University of Hong Kong Department of Physics & Materials Science
2014A0296	Structure of "ionic liquid" - water mixtures	Marie-Louise Saboungi	Pierre & Marie Curie Univ.Paris 6 FRANCE IMPMC-CNRS

2014A0206	Hierarchical structures in a mixture of water / organic solvent / antagonistic salt	Sadakane Koichiro	Ritsumeikan University College of Science and Engineering	
2014A0211	Structure determination of the solidified Au-Si alloys at eutectic composition	Sato J Taku	Tohoku University Institute of Multidisciplinary Research for Advanced Materials	
2014A0176	Pair distribution function analysis on defect structure of LnSrGa ₃ O ₇ -based oxide-ion conductor for an electrolyte of the solid oxide fuel cell	Idemoto Yasushi	Tokyo University of Science Department of Pure and Applied Chemistry, Faculty of Science and Technology	Reserved
2014A0214	Structural study of multi-component oxide glasses by reverse monte carlo method combining with solid-state NMR and neutron diffraction	OHKUBO TAKAHIRO	Chiba University Faculty of Engineering	Reserved
2014A0234	Structural analyses of Pd-based metallic glasses	ARIMA Hiroshi	Tohoku University Institute for Materials Research	Reserved
2014A0203	Structure of water in hydrogels	Sekine Yurina	Japan Atomic Energy Agency Quantum Beam Science Directorate (Tokai)	Reserved