

Program Time Table

August 9, 2013

Time		Chair	
Session 0 <i>Opening</i>			
08:45-08:55	10		Opening Address E.Torikai(Univ. Yamanashi)
08:55-09:35	30+10	Torikai	S-1 K.Nagamine(RIKEN,UCR,KEK) <i>Past, Present and Future of ultra-slow muons</i>
Session 1 <i>Fundamentals 1</i>			
09:35-10:05	20+10	Torikai	I-1 A.P.Mills (UC Riverside) <i>Precision experiments with ultraslow muons</i>
10:05-10:35	20+10		I-2 G. Gabrielse (Harvard Univ.) <i>Particle Dipole Moments: Most Stringent Tests of the Standard Model</i>
10:35-10:55	20	Coffee Break	
Session 2 <i>USM method</i>			
10:55-11:20	20+5	Morenzoni	O-1 Y.Miyake (KEK) <i>Status of Ultra Slow Muon Microscopy (A01)</i>
11:20-11:40	15+5		O-2 N.Saito (RIKEN) <i>Pulsed Coherent Lyman-α Resonance Radiation Generated by Two-Photon Resonance Four-Wave Mixing in Kr-Ar Gas</i>
11:40-12:05	20+5		I-3 M.Okamura (BNL) <i>Linear Accelerator for Muon</i>
12:05-12:30	20+5		I-4 Y.Nagatani (NIPS) <i>Transmission Muon Microscopy Project</i>
12:30-14:00		Lunch	
Session 3 <i>Fundamentals 2</i>			
14:00-14:30	20+10	Strasser	I-5 B.L.Roberts (Boston Univ.) <i>The Fermilab Muon g-2 Experiment</i>
14:30-14:50	15+5		O-3 T.Mibe (KEK) <i>Measurement of muonium emission from silica aerogel</i>
14:50-15:10	15+5		O-4 R.Plunkett (Fermi Lab.) <i>Possible Development of MuSR Capacity at Fermilab Project X</i>
15:10-15:40	20+10		I-6 E.Won (Korea Univ.) <i>A proposed muon facility at RAON/Korea</i>
15:40-16:00	15+5		O-5 T.Nagatomo(KEK) <i>Ultra Slow Muon Beam Line under Construction in J-PARC</i>
16:00-16:20	20	Coffee Break	
Session 4 <i>Magnetism with micro-beam</i>			
16:20-16:50	20+10	Nishida	I-7 Y.Maeno(Kyoto Univ.) <i>Topological Quantum Phenomena</i>
16:50-17:10	15+5		O-6 W.Higemoto(JAEA) <i>Studies on chiral-superconductivity in Sr₂RuO₄ probed by μSR</i>
17:10-17:30	15+5		O-7 H.Seo(RIKEN) <i>Theoretical studies of molecular spin liquid materials</i>

August 10, 2013

Time		Chair	
Session 5 <i>Catalysis</i>			
08:45-09:15	20+10	Fukutani	I-8 M.Yamauchi (Kyushu Univ.) <i>Hydrogen-Related Properties of Metal and Alloy Nanoparticles</i>
09:15-09:35	15+5		O-8 A.Pietropaolo (Università di Catanzaro) <i>Molecular Mechanism of Polyacrylate Helix Sense Switching Across Its Free Energy Landscape</i>
09:35-09:55	15+5		O-9 F.Mauriello (Università Mediterranea di Reggio Calabria) <i>Transfer hydrogenolysis of glycerol promoted by bimetallic palladium catalysts</i>
09:55-10:15	15+5		O-10 K.Shimomura (KEK) <i>μSR studies on the electric structure an isolated hydrogen and oxygen vacancy in oxides</i>
Session 5b β-NMR			
10:15-10:45	20+10	Fukutani	I-9 R.F.Kiefl (Univ. British Columbia, TRIUMF) <i>Recent progress with β-NMR at ISAC</i>
10:45-11:00	15	Coffee Break	
Session 6 <i>Ion diffusion</i>			
11:00-11:30	20+10	Sugiyama	I-10 P.Heitjans(Leibniz Universität Hannover) <i>Ion Diffusion in Solids and Interfaces</i>
11:30-12:00	20+10		I-11 R.Kanno (Tokyo Inst. of Technology) <i>Structural studies on lithium battery materials - New materials and electrode / electrolyte interface -</i>
12:00-12:20	15+5		O-11 H.Nozaki(Toyota RD) <i>Li-ion dynamics in $Li_{5+x}La_3Zr_xNb_{2-x}O_{12}$</i>
12:20-12:30		Photograph	
13:00-18:00 Excursion			
18:00-20:00 Banquet			

August 11, 2013

Time		Chair	
Session 7 Superconductivity 1			
08:45-09:15	20+10	Yamada	I-12 T.Lemberger (The Ohio State Univ.) <i>Superconductivity in Thin and Ultrathin Films – Novel Materials and Two Dimensionality</i>
09:15-09:35	15+5		O-12 N.Nishida (Toyota Physical & Chemical Research Inst.) <i>Vortex Dynamics in Type-II Superconductors studied by STM/STS and Ultra slow Muon Spin Rotation</i>
09:35-10:05	20+10		I-13 Y.Krockenberger (NTT Basic Research Laboratories) <i>Competing electronic interactions driven by oxygen coordination in two-dimensional cuprates</i>
10:05-10:25	15+5		O-13 K.M.Kojima (KEK) <i>Bulk superconductivity in undoped T^*-$La_{1.9}Y_{0.1}CuO_4$ probed by Low Energy muon spin rotation</i>
10:25-10:40	15	Coffee Break	
Session 8 Superconductivity 2			
10:40-11:10	20+10	Kadono	I-14 E.Morenzoni (PSI) <i>Low energy muons at PSI: examples of investigations of superconducting and magnetic properties</i>
11:10-11:30	15+5		O-14 T.Adachi(Sophia Univ.) <i>Impurity-Induced Development of the Spin Correlation in Iron-Chalcogenide Superconductors</i>
Session 9 Bio and Hydrogen			
11:30-11:50	15+5	Niimura	O-15 Y.Sugawara (Kitasato Univ.) <i>Hydration Effects on Electron Transfer in Biological Systems Studied by μSR</i>
11:50-12:10	15+5		O-16 K. Fukutani (Univ. Tokyo) <i>Hydrogen on amorphous solid water</i>
12:10-12:30	15+5		O-17 H.Ariga (Hokkaido Univ.) <i>Detection of oxygen vacancy in TiO_2 single crystal by μSR</i>
12:30-14:00		Lunch	
Session 10 Magnetism			
14:00-14:30	20+10	Koda	I-15 A.Suter(PSI) <i>Two-Dimensional Magnetic and Superconducting Phases in Metal-Insulator $La_{2-x}Sr_xCuO_4$ Superlattices Measured by Muon Spin Rotation</i>
14:30-15:00	20+10		I-16 T.Hitotsugi(Tohoku.Univ.) <i>Scanning tunneling spectroscopic study of $LaAlO_3/SrTiO_3$ heterostructure</i>
15:00-15:20	15+5		O-18 J.Kishine(The Open University of Japan) <i>Spin dynamics of chiral helimagnet probed by ultraslow muon:theoretical perspectives</i>
15:20-15:40	15+5		O-19 T.Sakai(JAEA, Hyogo Univ.) <i>Quantum Spin Nanotubes -Exotic Magnetism and Chirality-Induced Superconductivity-</i>
15:40-17:40	120	Koike	Poster Session

August 12, 2013

Time		Chair	
Session 11 <i>Spintronics</i>			
08:45-09:15	20+10	Yoshino	I-17 H.W.K.Tom (UCR) <i>Prospects for Ultra Slow Muon Studies in Spintronics</i>
09:15-09:35	15+5		O-20 S.R. Dunsiger(Technische Universität München) <i>Investigation of Ferromagnetic Semiconductors through Depth Resolved Spin Resonance Techniques</i>
09:35-09:55	15+5		O-21 T.Ziman(Inst. Laue Langevin and CNRS) <i>Spin-dependent scattering and charge fluctuations of negatively charged muonium</i>
09:55-10:15	15+5		O-22 T.U.Ito (JAEA) <i>Pilot Experiment for Microscopic Detection of Spin-wave Spin Current in Yttrium Iron Garnet Generated by the Spin-Seebeck Effect</i>
10:15-10:30	15	Coffee Break	
Session 12 <i>Hydrogen isotope</i>			
10:30-10:00	30+10	Nakanishi	
11:00-11:20	20+5		I-19 H.Kasai (Osaka Univ.) <i>Heavy Fermion systems for μSR and Naniwa Series for Quantum Simulation Materials Design</i>
11:35-11:55	15+5		O-23 K.Asakura (Hokkaido Univ.) <i>Defect and its interaction with hydrogen on the SnO₂</i>
Session 13 <i>Summary</i>			
11:55-12:15	20		R.Kadono(KEK) / M.Iwasaki(RIKEN)

List of Poster Presentation

P-1	H. Nakanishi (Osaka Univ.)	Quantum states of positive muon in materials - The first principles simulation -
P-2	J. Sugiyama (Toyota RD)	Macroscopic electrochemical properties clarified by microscopic measurements; present and future
P-3	I. Umegaki (Toyota RD)	Dynamics in MgH ₂ above ambient temperature
P-4	Y. Tanabe (Tohoku Univ.)	Superconducting Domains above the Critical Temperature in Bi2212 Cuprate Superconductors Detected by longitudinal-field μ SR
P-5	K.M.Suzuki (Tohoku Univ.)	Magnetic Ground State of the Fe-substituted La _{2-x} Sr _x Cu _{1-y} Fe _y O ₄
P-6	K. Tsutsumi (Tohoku Univ.)	Oxygen-reduction and Ce-doping effects on the spin correlation in T'-structured Pr _{1.4-x} La _{0.6} Ce _x CuO _{4-δ}
P-7	S. Yoshizawa(Tokyo Inst.of Technology)	Vortex Core States in Bi ₂ Sr ₂ CaCu ₂ O _x Studied by High-Resolution Scanning Tunneling Spectroscopy
P-8	A.Takahashi (Tohoku Univ.)	μ SR study of different magnetic states in electron-doped Pr _{1.3-x} La _{0.7} Ce _x CuO _{4+δ} (x = 0.10) single crystals
P-9	K.Nagatani (Tokyo Inst. of Technology)	Rearrangement of Fast Driven Abrikosov Lattice in Amorphous Superconducting Films
P-10	S. Kaneko(Tokyo Inst. of Technology)	Local Density of States in URu ₂ Si ₂ studied by LT-STs
P-11	C. Tabata (Hokkaido Univ.)	Muon Spin Relaxation Study of SmBe ₁₃
P-12	M. Miyagawa (Hiroshima Univ.)	The relation between magnetic behaviors and crystal defect in Cr _{1/3} NbS ₂
P-13	T.Goto (Sophia Univ.)	Proposal for μ SR-based detection of spin-to-surface locking in the surface of topological insulator
P-14	T. Goto (Sophia Univ.)	The ground state of disordered quantum spin system (CH ₃) ₂ CHNH ₃ Cu(Cl _x Br _{1-x}) ₃ with x<0.45
P-15	H.Kuroe (Sophia Univ.)	Muon spin spectroscopy in multiferroic (Cu,Zn) ₃ Mo ₂ O ₉
P-16	H.Matsuura (Univ. Tokyo)	Derivation of Dzyaloshinskii-Moriya Interaction on Metallic Chiral Magnet CrNb ₃ S ₆
P-17	Y.Kousaka(Aoyama Gakuin Univ.)	Chiral Magnetic Soliton Lattice in MnSi
P-18	C. Kato (Hiroshima Univ.)	The Effect of Irradiation on a Preyssler-type Polyoxometalate
P-19	J. Han (Hiroshima Univ.)	Crystal Growth and Magnetic Properties of 2D Perovskite Organic-Inorganic Hybrid Compound
P-20	S. Kishiguchi (Saitama Univ.)	Thickness dependence of the physical properties of organic superconductor κ -(BEDT-TTF) ₂ Cu[N(CN) ₂]Br fixed on the glass substrate and possible application to ultra slow muon
P-21	N. Niimurra (Ibaraki Univ.)	Visualization of the electron transfer associated with biochemical reaction process by the ultra-slow muon
P-22	A.D.Pant (Univ. Yamanashi)	First Principles Study of Ultra Slow Muon on Li Adsorbed Graphene with Co-adsorption of Hydrogen Atoms and/or Molecules

P-23	T. Hashizume (Hitachi Ltd, Tokyo Inst. of Technology, Tohoku Univ.)	Kelvin probe force microscopy of interfaces
P-24	K. Asakawa (Univ. Tokyo)	Electronic structure of the Fe ₃ O ₄ (111) surface
P-25	S.Kaku (Tokyo Inst. of Technology)	Initial growth of Cr/Au(111) ultrathin film
P-26	K. Mibu(Nagoya Inst. of Tecnology)	Investigations on Interface Magnetism of Heusler Alloy Films Using Local Probes
P-27	T.Kubota (Shimane Univ.)	Local structure analysis of selectively prepared active sites of Co-Mo sulfide catalysts
P-28	D.Nozaki(Tokyo Inst. of Technology)	Magnetic anisotropy and anisotropic magneto-resistance in GaMnAs depending on layer thickness
P-29	K.Nagamine (RIKEN,UCR,KEK)	Exploration of Spintronics Materials with Ultra-Slow Muons and Polarized Electron Gun
P-30	K.Nagamine (RIKEN,UCR,KEK)	Production of Slow Polarized Negative Muons and Possible Production of the $\mu^+\mu^-$ Atoms
P-31	Y.Ikeda (KEK)	Status of Superomega muon beamline for ultra slow muon beam
P-32	S. Makimura (KEK)	Development of Manufacturing Method of Highly Pure Tungsten Foil for Thermal Muonium Generation
P-33	S. Okada (RIKEN)	Development of room-temperature thermal-muonium-emitting material for ultra-slow muon production and a future plan of ultra-slow muon beamline at RIKEN-RAL
P-34	T. Suzuki (Tokyo Univ.of Science)	Observation of Muonium Emission from Alkali-Metal Coated Tungsten Surfaces
P-35	W. Higemoto (JAEA)	Ultra-slow μ SR spectrometer at J-PARC
P-36	K.S. Tanaka (Univ. Tokyo)	Measurement of muonium hyperfine splitting at J-PARC
P-37	N. Kawamura (KEK)	H line; a Beam line for fundamental physics in J-PARC
P-38	S. Kanda (Univ. Tokyo)	Development of high-rate positron tracker for the muonium production experiment in J-PARC
P-39	T.U.Ito (JAEA)	Development of a High-Resolution Beam Imaging System for Pulsed Muon Beams
P-40	K. Okamura (Megaopto Co. Ltd, RIKEN)	Temporally Resolved Spectral Structure of 821nm Broad-Area Laser Diode Seeder for Muonium Lyman-alpha Generation
P-41	K. Miyazaki (RIKEN)	Tunable 820.65 nm light source by injection-seeded optical parametric oscillator and amplifier for Muonium Lyman- α Generation
P-42	Y.Oishi (RIKEN)	All-solid-state laser amplifiers for intense Lyman- α generation
P-43	J. Nakamura (KEK)	Transport of coherent VUV radiation to Muon U-line for the Ultra Slow Muon Microscope
P-44	N.Hayasizaki (Tokyo Inst.of Technology)	Development of ultra-slow muon linear accelerator

P-45	A.Manabe (Univ. Yamanashi)	Quartz Microbalance Coverd by Solid Rare Gas - An Ideal Substrate to Study Interreration Between Spin and Geometric Arrangement in Spin Cluster
P-46	S.Kubota (Univ. Yamanashi)	Self-Assembling of Spim-Polarized Cold Cecium Atoms -Future Target of Ultra Slow Muon