

Session 1 (Day 2, February 14)

Registration No.	Presenter	Title
U_0005	Yangming Wang	Anomalous Nernst effect in topological $\text{Fe}_3\text{Ga}_{1-x}\text{Al}_x$ polycrystals
U_0007	Kohei Hattori	Effect of Collective Spin Dynamics on Anomalous Transverse Transport: Real-Time Calculation
U_0011	Jieyi Chen	Effect of alkali halide insertion on magnetic anisotropy at the Fe/MgO interface
U_0032	Yoshitaka Okuyama	Aspects of critical phenomena with boundary and defect
U_0033	Hironobu Yoshida	Uniqueness of the non-equilibrium steady state in open quantum many-body systems
U_0035	Yurina Nakazato	Formation and evolution of galaxies in the early Universe by 3D hydrodynamics simulation
U_0045	Ming-Chun Jiang	Possible Rattling and Anharmonicity Enhanced Superconductivity in Sc_6MTe_2 (M=Fe, Co, Ni)
U_0047	Masaki Yama	Theory of the Inverse Edelstein Effect using Boltzmann Equation
U_0058	Tik Tsun Yeung	Decay spectroscopy and delayed-neutron measurements of neutron-rich nuclei from Os to Po at RIBF
U_0059	Zijun Wei	Spin Dynamics in an Easy-plane Antiferromagnet CsFeCl_3 in Magnetic Field
U_0066	Yunyoung Hwang	On-chip strong coupling between spin waves and surface acoustic waves
U_0069	Raigo Nagashima	Classification of Lifshitz invariant in multiband superconductors and its application to Leggett modes
U_0071	Moeta Tsukamoto	Observation of domain wall in chiral antiferromagnet
U_0073	You Ba	Resonant surface acoustic wave absorption in YIG
U_0080	Tatsuto Hatanaka	First-principles derivation of classical spin models based on the spin cluster expansion
U_0083	Junna Sugiyama	Precipitable Water Vapor Measurement using GNSS Data in the Atacama Desert for Millimeter and Submillimeter Astronomical Observations
U_0090	Moritz M. Hirschmann	Fundamental Laws of Chiral Band Crossings
U_0091	Akihiro Hokkyo	No-Go Theorem from Eigenstate Thermalization Hypothesis about Work Extractability in Locally Interacting Systems
U_0092	Yuka Oshima	Development of Torsion Pendulums and Readout Optics for Gravity Gradient Observation
U_0096	Hibiki Matsunaga	Calculation method for the coherence length at low temperatures

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U_0098	Ken Inayoshi	Energy Flow during Relaxation in an Electron-Phonon System with Multiple Modes: A Nonequilibrium Green's Function Study
U_0101	Hiromu Ushihara	Microscopically-derived quantum master equation for a boundary-driven Hubbard model and its application to nonlinear thermoelectric effect
U_0106	Dongxue Han	Nanoscale imaging of magnetic texture dynamics by ultrafast Lorentz transmission electron microscopy
U_0108	Ryota Uesugi	Giant anomalous Nernst effect in the epitaxial and polycrystalline films of the Weyl ferromagnet Co_2MnGa
U_0113	Shinichi Inoue	Robust two-qubit entangling gate scheme for collision-free scalable quantum computer
U_0116	Yuchen Wang	Large Photoelasticity in Topological Antiferromagnet Mn_3Sn Studied by Coherent Acoustic Phonon
U_0120	Shohei Imai	Systematic construction of unconventional η -pairing states in multi-body interacting systems
U_0124	Mihiro Asakura	Observation of the exchange bias at polycrystalline chiral-antiferromagnet/collinear-antiferromagnet interface
U_0127	Diego Catala	Observation of orbital Hall effect in Ru/FM nanostructures
U_0129	Yukihiro Marui	The accuracy of the harmonic Hall measurements on spin orbit torques in W/CoFeB
U_0131	Shota Namerikawa	First-Principles Electrical Conductivity Calculations of Ag-Pd Alloy based on Wannier-CPA Method
U_0146	Aakanksha Sud	Spin-pumping driven by non-linear harmonic generation
U_0081	Patrick Zellekens	Flux-periodic supercurrent oscillations in GaAs/InAs/Al core/shell/halfshell nanowire Josephson junctions
U_0149	Akiyoshi Yamada	Quantum-classical correspondence and dissipative to dissipationless crossover in magneto-transport phenomena
U_0150	Shaocong Lu	Superconductivity in Hole-Doped Perovskite Hydride KMgH_3
U_0156	Zhiyi Duan	Ti-Doping Effect in Weyl Antiferromagnet Mn_3Sn
U_0157	Kana Sakaguri	The Status of the Simons Array Experiment and the Science Cases with Circular Polarization Measurements
U_0158	Shunsuke Nishimura	Magnetic imaging of quantum vortices in microfabricated superconductor using diamond quantum sensor
U_0160	Zoe Jeandupeux	Stochastic Reaction-Diffusion System of Biological Chemical Reaction Network
U_0165	Hua Bai	Charge-spin conversion in antiferromagnetic RuO_2

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U_0166	Jun Oike	Detection of magnetic octupolar order by nonlinear magnetoelectric effect
U_0168	Masahiko Yunokizaki	Fabrication of tunnel junction with the antiferromagnetic Weyl semimetal Mn_3Sn dot down to sub-micron scale
U_0177	Hiroki Yoshida	Thermal Hall measurements to detect spontaneous thermal Hall effect in kagome superconductor CsV_3Sb_5
U_0199	Yuto Kajiwara	Anisotropic thermoelectric properties in $CaZn_2Sb_2$ zintl compounds
U_0004	Yuta Toga	Substitution-Driven Enhancement of the Neel Temperature in Noncollinear Magnet Mn_3Sn : A Theoretical Study
U_0084	José Maria Cruz	Hollow Lattice Tensor Gauge Theories with Bosonic Matter
U_0064	Rikuto Oiwa	Construction of symmetry-adapted Closest Wannier models using multipole basis
U_0086	Masaki Imamura	Non-negative Matrix Factorization Analysis for Angle-Resolved Photoemission Spectra of Graphene
U_0087	Kazutoshi Takahashi	Electronic band structure of ultraflat hexagonal bismuthene
U_0097	Takahiro Ishikawa	Search for superconductivity in La-N-H by evolutionary algorithm, neural network potential, and density functional theory
U_0107	Hirokazu Tanaka	Roll-to-Roll Printing of Anomalous Nernst Thermopiles for Perpendicular Heat Flux Sensing
U_0136	Junji Fujimoto	Anti-Poiseuille flow by spin Hall effect
U_0137	Shoya Sakamoto	Surface and bulk magnetic structure of Mn_3Sn epitaxial thin films studied by x-ray magnetic circular dichroism
U_0142	Koudai Sugimoto	Wannier-Stark ladders emerging in the single-particle excitation spectra of the Hubbard model
U_0154	Katarzyna Gas	Magnetic studies of epitaxial thin films of noncollinear Weyl antiferromagnet Mn_3Sn
U_0164	Takashi Koretsune	X-ray magnetic circular dichroism arising from the magnetic dipole moment in Mn_3Sn and Mn_3Ir
U_0188	Noriyuki Hatakenaka	Analogue Hawking radiation with reverse Doppler shift in Josephson metamaterial transmission lines
U_0196	Hanshen Tsai	Large Hall Signal due to electrical Switching at Mn_3Sn /heavy metal multilayers
U_0102	Rihito Kondo	Octupole polarization switching in Mn_3Sn probed by magnetoresistance through magnetic tunnel junction with different sizes