

Session 2 (Day 3, February 15)

Registration No.	Presenter	Title
U_0009	Soma Takemori	Unconventional non-Hermitian superfluid phase transition induced by the interplay between exceptional manifolds and van Hove singularity
U_0012	Hongchao Li	Yang-Lee Zeros, Semicircle Theorem, and Nonunitary Criticality in BCS Superconductivity
U_0024	Erkang Wei	Magnetic damping of epitaxial Fe/Pt multilayer characterized by time-resolved magneto-optical Kerr effect
U_0034	Takahiro Anan	Time-dependent Gutzwiller simulation of Floquet topological superconductivity
U_0037	Junta Iguchi	Bulk photovoltaic effect in antiferromagnet: Role of collective spin dynamics
U_0050	Yutaro Tanaka	Anomalous crystal shapes induced by topological phases protected by crystal symmetries
U_0060	Liyang Liao	Valley-Selective Phonon-Magnon Scattering in Magnetoelastic Superlattices
U_0072	Haruto Yoshimochi	Multi-step topological transitions among meron and skyrmion crystals in a centrosymmetric magnet
U_0077	Manabu Sato	Ideal Spin-Orbit-Free Dirac Semimetal RE_3CoX_3 (RE = rare earth elements, X = Al, Ga, or In)
U_0078	Yutaro Tsushima	Cr-doping effects on the magneto-thermoelectric properties of the antiferromagnetic Weyl semimetal Mn_3Sn thin film
U_0079	Nico Budai	Magnetic imaging by the anomalous Nernst effect using atomic force microscopy
U_0085	Weiguang Gao	Nonlocally Detected Diffusive Orbital Current Generated via Orbital Edelstein Effect
U_0088	Hikaru Fukuda	Thermal fluctuation induced anisotropic topological Hall effect in pyrochlore-type $Eu_2Mo_2O_7$
U_0089	Nanse Esaki	Theoretical studies of the electric field induced thermal Hall effect in the quantum dimer magnets $XCuCl_3$ (X = TI, K)
U_0094	Ryotaro Suda	Development of Quantum Sensing under High Pressure: Visualization of Pressure and Magnetic Field
U_0100	Tonghua Yu	Topological interface states of magnetic half-Heusler materials
U_0104	EMK Ikbali Ahamed	Dynamic control of spin-wave by electric field in rare-earth iron functional oxide thin films
U_0110	Junhyeok Jeong	The doping-dependent evolution of superconductivity in the multilayered cuprate
U_0147	Kotaro Tanaka	Nonlinear optical response of a s-wave superconductor NbN with using terahertz vortex beam

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U_0114	Takumi Chida	Calculation of the Green function and ionization energy based on the transcorrelated method
U_0125	Takuya Matsumoto	Magneto transport properties of Ferri magnet GdCo_2
U_0126	Shunichiro Kurosawa	Magneto-Thermoelectric Effect in Epitaxial Thin Film of Topological Nodal Plane Kagome Ferromagnet Fe_3Sn
U_0128	Hidetoshi Kosaki	Pump-probe spectroscopy of NiFe film grown on chiral antiferromagnet Mn_3Sn
U_0132	Kaiki Shibata	Theoretical study on anomalous Nernst effect enhanced at van Hove singularity in two-dimensional materials
U_0135	Md. Shamim Sarker	Dynamic Redox Reaction-Driven Electrically Tunable Magnon FET
U_0138	Ryota Ono	Electrical control of skyrmionic lattice in centrosymmetric non-frustrated insulating magnets
U_0139	Takumi Fukushima	Supercurrent Distribution on Superconducting Quasicrystals
U_0140	Hiroki Yoshida	Shift current responses of a two-dimensional system approaching the Weyl semimetal phase
U_0144	Keisuke Sobue	Long spin diffusion length in epitaxial Pt wires.
U_0145	Shunya Chiba	Spin-orbit and orbital torque in (W or Cr)/CoFeB/MgO stacks for SOT-MRAM application
U_0151	Shunsaku Nagasawa	Developing Innovative Hard X-ray Spectral Imager for Studies of Particle Acceleration in Solar Flare
U_0152	Tomohiro Fujimoto	Observation of Spin Hall Conductivity Spectrum of GaAs in the Terahertz Frequency Regime
U_0153	Hiroto Saito	Efficient calculation of magnetocrystalline anisotropy using symmetry-aware Wannier Hamiltonian
U_0155	Hiroyuki Sudo	3D Topological insulator in a strong magnetic field
U_0159	Lin Huang	Antiferromagnetic magnonic charge current generation via ultrafast optical excitation
U_0162	Yuki Yamazaki	Magnetic Raman spectroscopy for Majorana edge states in Kitaev spin liquids
U_0167	Po-Kuan TUNG	Effect of Y-doping on the high-temperature antiferromagnet $\text{Ba}_5\text{Co}_5\text{ClO}_{13}$
U_0184	Fang Lyu	Development of low temperature relaxation-method calorimetry for small samples
U_0185	Hang Su	NbReSi: a noncentrosymmetric superconductor with large upper critical field and nodeless superconductivity

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U_0187	Masaki Roppongi	Development of a circular polarized microwave cavity and microwave Hall effect measurements
U_0189	JIWON YANG	Defect density effect on scattering times in a γ - $A_2O_3/SrTiO_3$ 2DEG
U_0192	Gakuto Kusuno	Polarized Raman study of antiferromagnet FePS3
U_0195	Kouki Mikuni	Magnetic resonance frequencies in a two-sublattice ferrimagnet with a magnetic compensation point
U_0197	Takachika Isomae	Extremely Large Magnetoresistance and Anisotropic Transport in Multipolar Kondo System $PrTi_2Al_{20}$
U_0198	Yuki Kobayashi	Composition variation behavior of galvanomagnetic effect in GdFe collinear coupled ferrimagnetic alloy thin films
U_0213	Takaharu Kaji	Quantum Phases of Helium Three on Graphite Plated with Bilayer of HD
U_0170	Michele Dall'Arno	Data-driven self-calibration of quantum circuits
U_0051	Kentaro Ueda	Colossal negative magnetoresistance in field-induced Weyl semimetal of magnetic half-Heusler compound
U_0112	Kunihiko Yamauchi	DFT Calculations on Spin-Splitting Phenomena in Altermagnetic $CaCrO_3$
U_0119	Takuya Matsuda	Intense photoexcitation exposes 2000-times higher-mobility carriers in correlated kagome antiferromagnet Mn_3Sn
U_0133	Vu Thi Ngoc Huyen	Topological degeneracy and emergence of transport phenomena in antiferromagnetics
U_0141	Junyeon Kim	Current-induced orbital polarization at Cu/Oxide interface
U_0143	Nguyen Thi Phuong Thao	Microscopic Mechanism of Magnetic Stability in Monolayer Transition-Metal Dihalides
U_0191	Hena Das	Anisotropic thermal expansion phenomena in Ca_2RuO_4 type systems
U_0194	Hikaru Takeda	Thermal Hall effect in the antiferromagnetic Skyrmion lattice
U_0122	Yuki Hibino	Energy-Efficient SOT-MRAMs Using Spin Hall Effect of Amorphous W-Ta-B Alloys
U_0109	Hitoshi Kubota	Observation of magnetization process in artificial honeycomb spin ice through tunnel magnetoresistance effect
U_0300	Xufeng Kou	Large Spin Orbit Coupling Systems for Emerging Physics and Spintronics Applications