Grant -in-Aid for Transformative Research Areas (A) Unveiling, Design, and Development of Asymmetric Quantum Matters
FY2026 Annual Research Area Meeting & Kick-off Meeting for Publicly Offered Research
Tue, May 26 – Thu, May 28, 2026：Poster session（Odd No. -> First half 15:00-16:00、Even No. -> latter half 16:00-17:00）

No.	Name	Poster title
1	HARUNA, Shingo	Theoretical study of electron correlation effects on spin-lattice relaxation rates and superconducting pairing symmetry in UTe2
2	NAKAMURA, Ayano	In-plane anomalous Hall effect as a novel off-diagonal response
3	SAKAI, Aoi	Structural Phase Transition and Unconventional Superconductivity in the Layered 5d-Electron Superconductor La2IOs2 with a Honeycomb Structure
4	MATSUBARA, Keita	Chirality in Structural Phase Transitions
5	KOYAMA, Chihaya	Real-space determination of orbital states driving successive phase transitions in FeV2O4
6	YUCHI, Kosuke	Single crystal growth and physical properties of hexagonal Sc6MTe2
7	NUMA, Koki	Multipolar Fluctuations in f2-Electron Systems from DFT+DMFT: Application to PrCdNi4
8	MATSUBAYASHI, Riku	The magnetic-field response of the spin state in the spin-triplet superconductor UTe2 revealed by 125Te-NMR
9	SATO, Naomichi	Pressure-Induced Altermagnetism in Solid Oxygen
10	HAMABATA, Ryuta	Magnetic Irreversibility in UPt2Si2 and Its Possible Superparamagnetic Origin
11	YOKOYAMA, Akira	Nonreciprocal Resistance in FIB-Microfabricated Noncollinear Antiferromagnetic NbMnP
12	ARAI, Yuki	Anomalous Hall effect at room temperature in antiferromagnet NbMnAs
13	INDA, Akane	Ferroaxial moment and antisymmetric linear transverse magnetization induced by geometry-driven electric field gradients
14	AOI, Kuwabara	Intrinsic nonlinear thermal transport induced by quantum geometry
15	KANDA, Shuhei	Analysis of magnetoelectric effects in a low-energy model of collinear antiferromagnetic zigzag chain
16	OGUCHI, Shumpei	77Se-NMR study on the novel Yb-zigzag chain compound BaYb2Se4
17	SAKAI, Yusuke	Low-Temperature Properties of the Odd-Parity Antiferromagnets RMnSi (R = La, Ce) Investigated by NMR
18	MIYAKE, Masataka	Physical Properties of Eu- and Gd-based Compounds with First-Order Antiferromagnetic Transition
19	Hirano, Towa	Negative thermal expansion driven by multipolar-one-pair coupling in Pb2MgReO6
20	KONAGAYA, Naoki	Explolation of multipolar orders in Rhenium based oxides
21	TAKANO, Hayato	Superconductivity in the Noncentrosymmetric Cubic Cluster Compound $Re_4As_6S_3$
22	FUCHS, Tristan Ryoma	Microscopic Calculation of Coherence Lengths and Magnetic Penetration Depth in Multi-Band Superconductors
23	KAMINAKAMURA, Haruto	In-plane anomalous Hall effect in SrRuO3 ultrathin films under high magnetic fields
24	HASHIMOTO, Shota	Electronic structure of YbCu4Au by soft X-ray angle-resolved photoemission spectroscopy
25	MORI, Ryosuke	Metamaterial Design for Symmetry Identification Using Optical Second Harmonic Generation
26	MATSUMURA, Takao	Multipole decomposition in the ferroaxial antiferromagnet MnGeO3 using optical second-harmonic generation
27	NAKAYAMA, Ryo	Magnetic state of frustrated magnet β-Mn revealed by ^55^Mn-NQR
28	NORIMATSU, Miori	Magnetostriction on the altermagnet Ce2CuGe6 studied using fiber Bragg grating
29	MAKIMOTO, Ken	Pressure Effects on the Phase Transition and Crystal Structure of a Magnetic Semiconductor YbCuS2 with Yb Zigzag chains
30	OKADA, Shinji	Magnetic Anisotropy and Nonreciprocal Electrical Transport of the Antiferromagnetic Zigzag Compound DyCoSi2
31	KURUMI, Daichi	Effects of Uniaxial Stress Annealing for the Anisotropic Quantum Critical Material CeRhSn.
32	SOFIYANTI, Asni	Towards the Observation of Magneto-piezoelectric Effect (MPE) in Single Crystal TbCr2Si2
33	MATSUDA, Hayata	Single crystal preparation of Ce_2PtGe_6 and Anomalous Hall Effect derived from Antiferromagnetism
34	TAKAGI, Yuto	Crystal Growth and Low-Temperature Physical Properties of the Antiferromagnetic system NbMnSi exhibiting an Anomalous Hall Effect
35	NANJO, Yo	Magnetic Ordering Phase of the Polar-Structured Metallic Compound $TbPdIn_2$
36	FUJIWARA, Takashi	Real-frequency analysis of the pseudogap and superconducting states in the bilayer Hubbard model
37	IWAMOTO, Keisuke	Study of the antiferromagnetic ordered state of UNi4B by field-angle-resolved magnetization measurements
38	SASAKI, Keito	Exchange Bias Effect in the Antiferromagnetic Material Ce_2PdGe_6
39	TERADA, Takaya	Single-crystal growth and physical properties of CaFe4Al8 with altermagnetic-like structure
40	GOTOH, Yuwa	Antiferromagnetic Domain Structure of Ce_2CuGe_6 Investigated Using FIB-Fabricated Device
41	KADOKAWA, Yuya	The effect of elemental substitution in NbMnP and its impact on exchange bias effect
42	YAMADA, Yufu	195Pt and 121/123Sb NMR Study Near the Superconducting Disappearance Composition in High-Entropy Superconductor (RuRhPdIr)_{1-x}Pt_xSb
43	OKAMOTO, Kosuke	Single crystal growth of magnetic semiconductors $PbYb_2X_4$ (X = S, Se) and study of a magnetic-field-Insensitive phase transition
44	YAMADA, Takuto	Relationship between superconductivity and magnetism in CeRh2As2 with multiple superconducting phases
45	ISHITOBI, Takayuki	A tensor-based description of crystals for efficient analysis of physical properties
46	HORI, Fumiya	Verification of the piezomagnetic effect in the Tsai-type quasicrystal Au56In28.5Eu15.5
47	KIRIKOSHI, Akimitsu	Intrinsic anomalous Hall effect driven by nonlocal Kondo exchange coupling in localized-4f antiferromagnetic metals
48	HIGA, Nonoka	Magnetic Anisotropy and Non-reciprocal Electrical Transport in the Yb-Zigzag Antiferromagnet YbPd2Si
49	SATO, Takumi	Microscopic relation between magnetic multipole moments and response tensors in crystals
50	MIKI, Tatsuya	Quantification of electronic asymmetry
51	HIGASHINAKA, Ryuji	Emergent Anomalous Hall Effect in the Centrosymmetric Cubic Antiferromagnet EuTi2Al20 with a Diamond Network
52	IMAZU, Tsuyoshi	Spin Current and Spontaneous Magnetization Induced by Spin-Orbit Coupling in Chiral Superconductors
53	KOYAMA, Shinnosuke	Chiral valence bond crystal in a diamond structure
54	NAKAMURA, Shota	Single crystal growth and physical properties of a new material GdNi6Si6
55	MATSUDA, Tatsuma	Single-Crystal Growth Using a High-Pressure Synthesis Furnace