

New Frontiers in Advanced Magnetism 2024

5-9 August 2024

Hokkaido University, Sapporo, Japan

Poster presentations

- P-01 **Zhiyi Duan** (The University of Tokyo, Japan)
“Ti-doping effect in Weyl antiferromagnet Mn_3Sn ”
- P-02 **Naoya Egawa** (Tohoku University, Japan)
“Time crystalline behavior or diamond quantum simulator models under a zero magnetic field”
- P-03 **Ryu Frieson** (Hokkaido University, Japan)
“Non-Hermitian twisted Landau-Zener transition”
- P-04 **Yutaka Fujii** (University of Fukui, Japan)
“Ground state of antiferromagnetic spin-1/2 zigzag chain $Cd_2Cu_2(PO_4)SO_4 \cdot 5H_2O$ studied by NMR”
- P-05 **Soju Furuta** (Tokyo Institute of Technology, Japan)
“Energetic perspective on emergent inductance tensor exhibited by magnetic textures in the pinned regime”
- P-06 **Hiroyuki Hidaka** (Hokkaido University, Japan)
“Anisotropy of magnetic phase diagrams with respect to the applied magnetic field direction in $CeCoSi$ ”
- P-07 **Geonhwi Hwang** (Hokkaido University, Japan)
“Bulk-edge correspondence for point-gap topological phases in multi-segmented junctions systems”
- P-08 **Yuya Ishikawa** (University of Fukui, Japan)
“Multi-frequency electron spin resonance system using a high-power light source compact gyrotron”
- P-09 **Zhiyu Jiang** (Hokkaido University, Japan)
“ Z_2 point-gap topology in a non-unitary quantum walk”
- P-10 **Yuuki Kanda** (Hokkaido University, Japan)
“Transfer of edge states on the moving domain wall with dissipations”
- P-11 **Shuhei Kanda** (Hokkaido University, Japan)
“Nonlinear optical responses and their frequency dependence under chiral crystal structure”
- P-12 **Yuto Karube** (Hokkaido University, Japan)
“Anomalous dielectric response in the Su-Schrieffer model”

- P-13 **Muhammad Usama Khan** (Osaka Metropolitan University, Japan)
“Chirality-induced spin polarization in polycrystalline bulk samples of chiral disilicides NbSi₂ and TaSi₂”
- P-14 **Akimitsu Kirikoshi** (Okayama University, Japan)
“Magnetoelectric effect in magnetic toroidal metal HoAgGe”
- P-15 **Shinnosuke Koyama** (Okayama University, Japan)
“Impact of magnon damping on topological transport phenomena in localized electron systems”
- P-16 **Katsunori Kubo** (JAEA, Japan)
“Octupolar edge state in an e_g orbital system on a square lattice”
- P-17 **Han Li** (University of Chinese Academy of Sciences, China)
“Magnetocaloric effect of topological excitations in Kitaev magnets”
- P-18 **Nobuya Maeshima** (University of Tsukuba, Japan)
“Multi-triplon states of two-leg Hubbard ladders with site-dependent potentials”
- P-19 **Giacomo Marmorini** (Nihon University, Japan)
“Quantum Ψ phase in hexagonal antiferromagnets at high magnetic fields”
- P-20 **Masaichiro Mizumaki** (Kumamoto University, Japan)
“Evaluation of anisotropic magnetic dipole moments for d^8 systems by x-ray magnetic circular dichroism”
- P-21 **Toshihiko Muroi** (The University of Tokyo, Japan)
“Quadrupolar order in a spin-orbit coupled insulator Ba₂MgReO₆ probed by ultrasonic measurements”
- P-22 **Keita Nagasawa** (The University of Tokyo, Japan)
“Hall effect from fluctuating spins in the kagome antiferromagnet DyAgGe with magnetization plateaus”
- P-23 **Ryota Ono** (NIMS, Japan)
“Orbital ordered p-orbital-origin multiferroics in CsO₂”
- P-24 **Soumyaranjan Ratha** (Akita University, Japan)
“Enhancing magnetic properties in BiFeO₃ based thin films and exploring optimal etching condition to minimize magnetic damage”
- P-25 **Toru Sakai** (University of Hyogo, Japan)
“Field-induced spin nematic phase of the low-dimensional quantum spin systems”
- P-26 **Daiki Sasamoto** (Tohoku University, Japan)
“General formula for the Green’s function approach to the spin-1/2 antiferromagnetic Heisenberg model”

- P-27 **Kotaro Shimizu** (RIKEN, Japan)
“Monopole Hall effect in a metallic chiral magnet”
- P-28 **Feng-Feng Song** (The University of Tokyo, Japan)
“General tensor network framework for two-dimensional frustrated spin systems”
- P-29 **Shota Takamatsu** (Hokkaido University, Japan)
“Anomalous oscillation modes of superfluid ^4He droplets”
- P-30 **Fanchun Wei** (Hokkaido University, Japan)
“Elastic response to the metamagnetic transition in UTe_2 ”
- P-31 **Ryota Yamane** (Hokkaido University, Japan)
“Robust discretization of dripping periods of superfluid ^4He ”
- P-32 **Tatsuya Yanagisawa** (Hokkaido University, Japan)
“Dynamical elastic response of URhSn with quasi-kagome structure”
- P-33 **Xuguang Zhou** (The University of Tokyo, Japan)
“Field-induced disordered phase in Kitaev material under out-of-plane magnetic field”