

# FYR05 QLC meeting

## Poster Session

Wednesday, December 27

11:30~12:15 1 min. Preview / 13:30~15:30 Poster Presentation

Poster No.

P01	<b>FUJIMOTO, Manato_藤本大仁 (Harvard University / University of Tokyo)</b> First Landau level in moiré system at zero magnetic field
P02	<b>MINE, Akifumi_峯明史 (University of Tokyo)</b> Direct observation of the superconducting gaps in the bulk and topological surface bands of $\beta$ -PdBi <sub>2</sub>
P03	<b>AMARI, Yuki_甘利悠貴 (Keio University)</b> Skyrmion crystals with spin-nematic order in SU(3) chiral magnets
P04	<b>OIWA, Rikuto_大岩陸人 (RIKEN)</b> Symmetry-adapted closest Wannier tight-binding models
P05	<b>FUKUI, Kiyu_福井毅勇 (University of Tokyo)</b> Topological Majorana flat bands in the Kitaev model on a Bishamon-kikko lattice
P06	<b>IMAMURA, Kumpei_今村薫平 (University of Tokyo)</b> Specific heat measurements in ultra-clean crystals of the Kitaev magnet $\alpha$ -RuCl <sub>3</sub>
P07	<b>YAMADA, Akiyoshi_山田暉馨 (University of Electro-Communications / University of Tokyo)</b> Non-equilibrium to equilibrium crossover in magneto-transport phenomena
P08	<b>IMAZU, Tsuyoshi_今津毅士 (Hirosaki University)</b> Possibility of unconventional superconductivity on honeycomb network pnictide BaPtSb/As
P09	<b>TSUKAMOTO, Moeta_塚本萌太 (University of Tokyo)</b> Observation of domain wall in chiral antiferromagnet
P10	<b>TAKAHASHI, Ryunosuke_高橋龍之介 (University of Hyogo)</b> All-optical switching in NiCo <sub>2</sub> O <sub>4</sub> thin films using ultrafast lasers
P11	<b>IKENOBE, Toshiya_池野辺寿弥 (University of Tokyo)</b> Dirac electron induced by phase transition in nodal-line semimetal KAlGe
P12	<b>YAMANE, Soichiro_山根聡一郎 (Kyoto University)</b> Time-reversal symmetry breaking in the charge-ordered state of the kagome metal CsV <sub>3</sub> Sb <sub>5</sub>
P13	<b>KOMIYAMA, Yota_小宮山陽太 (Sophia University / RIKEN)</b> Antiferromagnetic Order in the Fe-Substituted Bi-2201 Cuprate in the Non-Superconducting Heavily Overdoped Regime
P14	<b>ISHIKAWA, Sho_石川星 (Kyoto University)</b> The emergence of non-Hermitian skin effect characterized by $\mathbb{Z}_4$ topological invariants
P15	<b>SAKAI, Toru_坂井徹 (University of Hyogo)</b> Quantum Spin Nematic Liquid of Low-Dimensional Spin Systems in Magnetic Field

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P16	<b>KATO, Yasuyuki_加藤康之 (University of Tokyo)</b> Spin Seebeck effect in the Kitaev spin liquid
P17	<b>IGUCHI, Junta_井口純太 (University of Tokyo)</b> Bulk photovoltaic effect in antiferromagnet: Role of collective spin dynamics
P18	<b>ASANO, Shun_浅野舜 (Kyoto University)</b> Superconductivity in graphene/NbSe <sub>2</sub> moiré heterostructures
P19	<b>GOTO, Tsukasa_後藤僚 (Osaka University)</b> Stability of Electron Teleportation via Majorana Zero Modes against disturbances in Mesoscopic Topological Superconductors
P20	<b>OTA, Yoshihiko_太田善彦 (Nagoya University)</b> Probing spin dynamics in iron-based superconductors Ba <sub>0.66</sub> K <sub>0.34</sub> Fe <sub>2</sub> As <sub>2</sub> and FeSe through NMR
P21	<b>UCHIYAMA, Takumi_内山拓未 (University of Tokyo)</b> Superconducting Gap of Iron-based Superconductor Fe(Se,S) Investigated by Ultra-high-resolution Laser ARPES
P22	<b>YAMAKAWA, Youichi_山川洋一 (Nagoya University)</b> Nematic Quantum Fluctuation Driven High-T <sub>c</sub> Superconductivity in Fe-Based Superconductors
P23	<b>ONARI, Seiichiro_大成誠一郎 (Nagoya University)</b> Three-dimensional CDW order in kagome metal: Three-dimensional DW equation analysis
P24	<b>ISHIHARA, Kota_石原滉大 (University of Tokyo)</b> Giant nonreciprocal response in the half-Heusler superconductor LuPdBi
P25	<b>WATANABE, Hiroshi_渡部洋 (Ritsumeikan University)</b> Possibility of BCS-BEC crossover in κ-type molecular superconductors
P26	<b>OIKE, Jun_大池潤 (Kyoto University)</b> Nonlinear magnetoelectric effect as a new probe of magnetic octupole
P27	<b>ADACHI, Tadashi_足立匡 (Sophia University)</b> Spontaneous Magnetic Field and Chiral Superconductivity in BaPtAs <sub>1-x</sub> Sb <sub>x</sub> with a Honeycomb Network
P28	<b>TERADA, Ibuki_寺田伊吹 (Ritsumeikan University)</b> A problem of linear conductivity in the relaxation time approximation for multi-band systems and its improvement
P29	<b>MORI, Tatsuaki_森達明 (Ritsumeikan University)</b> The behavior of Bogoliubov Fermi surfaces under external field
P30	<b>YONEZAWA, Shingo_米澤進吾 (Kyoto University)</b> Novel strain responses in electron liquid crystals investigated by fiber-Bragg grating technique

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**TAKADA, Tadaki\_高田忠輝 (Tohoku University)**

P31

Piezomagnetic Effect in  $\text{Fe}_2\text{GeS}_4$  with Olivine Structure

**OCHI, Keigo\_越智啓伍 (Tohoku University)**

P32

High-pressure synthesis of non-square lattice cuprates,  $\text{Cu}_7\text{V}_6\text{O}_{19}$

**WU, Hung-Cheng\_吳紘丞 (Tohoku University)**

P33

Unraveling the magnetic structure of  $\text{YbNiSn}$  single crystal via crystal growth and neutron diffraction

**KOYAMA, Shinnosuke\_小山慎之介 (Tohoku University)**

P34

Evaluation of Thermal Hall conductivity with magnon damping

**OKUMURA, Shun\_奥村駿 (University of Tokyo)**

P35

Effects of  $Q$ -dependent Anisotropy on Magnetic Hedgehog Lattices in Centrosymmetric Systems

**MATSUMOTO, Haruka\_松本遙 (University of Tokyo)**

P36

Superconductivity in hexagonal zirconium telluride  $\text{Zr}_6\text{MTe}_2$  with  $3d$  transition metals

**WASHIMI, Fumino\_鷲見風光乃 (Tohoku University)**

P37

Anisotropic Electronic Properties of Electronic Ferroelectricity  $\text{NbOI}_2$

**NAWA, Kazuhiro\_那波和宏 (Tohoku University)**

P38

Neutron scattering study in the spin-1/2  $J_1$ - $J_2$  square lattice magnet  $2\text{VOSO}_4 \cdot \text{D}_2\text{SO}_4 \cdot 3\text{D}_2\text{O}$

**MINAMIDE, Akihiro\_南出晃宏 (Kyoto University)**

P39

Theoretical considerations on vortex lattice in  $\text{CeRh}_2\text{As}_2$