

FYR03 QLC meeting

Poster Session

Friday, February 18th.

09:00- 1 min. Preview, using "Zoom"

10:20-12:20 Poster Presentation, using "Remo"

Poster No.

Remo Floor 1

P01	OKUMA, Ryutaro_大熊隆太郎 (University of Oxford) Discovery of frustrated van der Waals metals CeSiI and GdGaI
P02	MASUKO, Makoto_増子真 (University of Tokyo) Nonreciprocal charge transport in a topological insulator Bi ₂ Te ₃ / superconductor PdTe ₂ thin film heterostructure
P03	FUJISAWA, Yuita_藤澤唯太 (OIST) Emergent kink structure near Fermi energy driven by nematic ordering in a correlated spinel oxide LiTi ₂ O ₄
P04	MINE, Akifumi_峯明史 (University of Tokyo) Study of the superconducting gap in single crystal PdTe using cryogenic high-resolution ARPES
P05	KITAMURA, Taisei_北村泰晟 (Kyoto University) Theory of quantum geometric effect on Fulde-Ferrell-Larkin-Ovchinnikov superconductivity: application to monolayer FeSe
P06	YAMAGAMI Kohei_山神光平 (OIST) Visualization of band deformation intertwined with emergent weak ferromagnetism in van der Waals magnetic semimetal GdGaI
P07	SHIMIZU, Kotaro_清水宏太郎 (University of Tokyo) Phase degree of freedom in two-dimensional and three-dimensional multiple- <i>Q</i> spin textures
P08	TAKAHASHI, Ryunosuke_高橋龍之介 (University of Hyogo) Optically-induced magnetization switching in NiCo ₂ O ₄ thin films
P09	KOUCHI, Takayoshi_小内貴祥 (Osaka University) Search for orbital fluctuations by isotope Sb-NMR in heavily electron-doped iron based superconductor
P10	TAKAHASHI, Masahiro O._高橋雅大 (Osaka University) Non-Abelian anyons trapped in vacancies of the Kitaev model and non-local spin correlations
P11	OBATA, Keito_小畑慶人 (Kyoto University) Specific heat measurement on the superconducting phase of the Kagome metal CsV ₃ Sb ₅
P12	KITAORI, Aki_北折暁 (University of Tokyo) Tb doping impacts on magnetism and emergent inductance of YMn ₆ Sn ₆
P13	KANEGA, Minoru_金賀穂 (Ibaraki University) Similarities and differences between nonlinear optical responses of Kitaev magnet and Graphene
P14	POHLE, Rico_ポーレ リコ (University of Tokyo) Spin liquid and nematic states in the spin-1 honeycomb Kitaev model with bilinear-biquadratic interactions
P15	HU, Yajian_HU, Yajian (Kyoto University) Polar Kerr effect study on the charge ordered state in Kagome superconductor CsV ₃ Sb ₅
P16	IMAMURA, Kumpei_今村薫平 (University of Tokyo) Effect of electron irradiation on the Kitaev spin liquid state in α -RuCl ₃

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Remo Floor 2

P17	NAJAFZADEH, Sahand_ナジャフザッデ サハンド (University of Tokyo) The superconducting proximity effect of Sb_2Te_3/Nb heterostructure may reveal new micro-mechanisms of proximity effect in topological insulators
P18	KOMIYAMA, Yota_小宮山陽太 (Sophia University) Muon Spin Relaxation Study of the Fe-Substitution Effects on Ferromagnetic Fluctuations in Heavily Overdoped Bi-2201 Cuprates
P19	MATSUBARA, Shun_松原舜 (Nagoya University) Self-consistent theory for electron nematic state of FeSe : explanation for Lifshitz transition
P20	YAMANE, Soichiro_山根聡一郎 (Kyoto University) Investigation of time-reversal symmetry breaking in a superconductor by magneto-optic Kerr effect
P21	MATSUSHITA, Taiki_松下太樹 (Osaka University) Spin-Nernst Effect as a Probe of Helical Superconducting Order in Time-Reversal Invariant Topological Superconductors
P22	MATSUSHITA, Taiki_松下太樹 (Osaka University) Spin-Caloritronics of Non-Unitary Superconductors
P23	KATO, Yasuyuki_加藤康之 (University of Tokyo) Spin excitation spectra in multiple- Q magnetic orderings
P24	KATO, Yasuyuki_加藤康之 (University of Tokyo) Magnetic field-temperature phase diagrams for multiple- Q magnetic orderings
P25	WATANABE, Ryota_渡邊竜太 (University of Tokyo) Manipulation of topological phase transition between the quantum anomalous Hall state and the axion insulator in dual gate field effect transistors
P26	TAKEUCHI, Hiromitsu_竹内宏光 (Osaka City University) Fractional Skyrmion due to Local Nematic Order in a Ferromagnetic Superfluid
P27	BUTLER, Christopher_BUTLER Christopher (RIKEN CEMS) Observation of Electronic Nematicity in the Dirac Semimetal $BaNiS_2$
P28	JIANG, Jialiang_姜佳良 (Osaka Prefecture University) Chiral Magnetic Soliton Lattice in $CrTa_3S_6$
P29	FUKAZAWA, Hideto_深澤英人 (Chiba University) NMR study under high pressure of α -Mn exhibiting anomalous Hall effect
P30	TANAKA, Hiroto_田中大登 (Kyoto University) Nonlinear optical responses in two-dimensional superconductors
P31	SAKAI, Toru_坂井徹 (University of Hyogo) Field-Induced Spin Nematic Liquid in the One-Dimensional Quantum Spin Systems
P32	FURUYA, Shunsuke_古谷峻介 (Ibaraki University) DC electric-field control of topological spin textures and Kitaev spin liquids

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Remo Floor 3

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| P33 | DAIDO, Akito_大同暁人 (Kyoto University)
Intrinsic mechanism of the superconducting diode effect |
| P34 | TSUCHIYA, Satoshi_土屋聡 (Hokkaido University)
Ultrafast pump probe reflectivity study of the glassy electronic state in organic conductor θ -(BEDT-TTF) ₂ CsZn(SCN) ₂ |
| P35 | KOMURO, Minato_小室源 (Tohoku University)
Construction of the Measurement System of Piezomagnetic Effect |
| P36 | KAWAGUCHI, Kohei_川口航平 (Tohoku University)
Electronic properties of iron-based ladder materials BaFe ₂ (S _{1-x} Te _x) ₃ |
| P37 | NAGATA, Kensho_永田憲正 (Hokkaido University)
Photoinduced phase separation with coherent phonon oscillation in organic conductor β -(BEDT-TTF) ₂ I ₃ |
| P38 | TAZAI, Rina_田財里奈 (Nagoya University)
Non-Trivial Interplay between Unconventional CDW and Superconductivity in Kagome Metal AV ₃ Sb ₅ |
| P39 | ONARI, Seiichiro_大成誠一郎 (Nagoya University)
SU(4) fluctuation interference mechanism of nematic order in magic angle twisted bilayer graphene |
| P40 | OGAWA, Akari_小川明里 (Nagoya University)
CDW order in kagome metal : Analysis by Ginzburg-Landau theory |
| P41 | NAKASHIMA, Dai_中島大 (Kyoto University)
Superconducting Vortex lattice melting with strong Pauli paramagnetic effect |
| P42 | WATANABE, Hiroshi_渡部洋 (Ritsumeikan University)
Multiorbital effects in cuprate superconductors : study of a four-band <i>d-p</i> model |
| P43 | LIU, Ziyang_劉子揚 (Nagoya University)
Ta NQR studies of the excitonic insulator Ta ₂ NiSe ₅ under pressure |
| P44 | YOKOTA, Kanaho_横田奏帆 (Nagoya University)
Bond-Order Formation in Double-Layered Cuprates due to Spin Fluctuation Interference Mechanism |
| P45 | HAYASHI, Yuki_林悠生 (University of Tokyo)
Nonreciprocal directional dichroism of Co Åkermanite Sr ₂ CoSi ₂ O ₇ in the Visible Range |
| P46 | AOYAMA, Takuya_青山拓也 (Tohoku University)
Verification of diagonal magnetoelectric effect in SrCuTe ₂ O ₆ |
| P47 | YAMADA, Takemi_山田武見 (Tokyo University of Science)
Effect of the non-local exchange potential on iron chalcogenides by using the hybrid functionals |
| P48 | INOUE, Daisuke_井上大輔 (Nagoya University)
Low temperature ordered state in Dirac electron phase of organic conductor α -(ET) ₂ I ₃ |

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P49 **YAMAKAWA, Youichi_山川洋一 (Nagoya University)**
Strong coupling high- T_c superconductivity mediated by nematic/smectic fluctuations in FeSe systems

P50 **NAWA, Kazuhiro_那波和宏 (Tohoku University)**
Magnetic structure of the frustrated square lattice magnet $2\text{VOSO}_4 \cdot \text{D}_2\text{SO}_4 \cdot n\text{D}_2\text{O}$

P51 **TEMURJONOV, Azimjon_TEMURJONOV, Azimjon (Nagoya University)**
Observation of Quantum Oscillations in the antiferromagnet BaMnSb_2 via NMR

P52 **WU, Hung-Cheng_吳紘丞 (Tohoku University)**
Structural and magnetic characterization of Cu_2OSeO_3 polymorph synthesized under high-pressure

P53 **OIKE, Hiroshi_大池広志 (University of Tokyo)**
Hierarchical Kinetics of Topological Phase Transition in a Skyrmion Material

P54 **KANESHIRO, Shin_金城信 (Kyoto University)**
The non-Hermitian skin effect in f-electron systems

P55 **FUJIHARA, Hideyuki_藤原秀行 (Tohoku University)**
Electronic properties of ruthenium halides RuX_3 ($X = \text{Cl, Br, I}$) with a honeycomb lattice synthesized under high pressure

P56 **MASUDA, Keisuke_増田圭佑 (Ibaraki University)**
Microscopic theory of spin Seebeck effect in antiferromagnets