

Day5 - Aug. 22 (Mon)

| | | Hall 1 | | Hall 2 | | |
|-------|-------------------------------|--|--|--|---|--|
| 9:00 | Half Plenary | Half-Plenary Sponsored by RIKEN-CEMS chairs: D. Efetov, K. Kobayashi | | Half-Plenary chairs: A. Mackenzie, D. Aoki | | |
| | | 22A-HPA-01 (9:00-9:40) Superconductivity in infinite-layer nickelates <u>Harold Hwang</u> | | 22A-HPB-02 (9:00-9:40) Axion insulator and helical Chern insulator phases in MnBi_2Te_4 antiferromagnetic topological insulator <u>Yayu Wang</u> | | |
| | | 22A-HPA-02 (9:40-10:20) Observation and Control of the Kondo Screening Cloud <u>Michihisa Yamamoto</u> | | 22A-HPB-01 (9:40-10:20) Majorana Fermions and Pairing Symmetries in Topological Superconductors <u>Masatoshi Sato</u> | | |
| 10:20 | 10:20 - 10:50 Coffee Break | | | | | |
| | | Hall 1 | Hall 2 | Hall 3 | Hall 4 | Hall 5 |
| 10:50 | Invited&Contributed | SF2 UTe_2 chairs: Y. Yanase N. Butch | SF3 Graphene and others Supported by ISSP chairs: W. L. Lee R. Arita | SF4 Nano-mechanics chairs: A. F. Kockum W. Izumida | SF2 Low-Tc superconductors chairs: K. Tanaka G. Mattoni | SF1 Nanoconfined systems, etc. chairs: T. Minoguchi D. Jin |
| | | 22A-SF2A-01 (10:50-11:20) Multiple superconducting phases and field induced phenomena in novel spin-triplet superconductor UTe_2 <u>Dai Aoki</u> | 22A-SF3-01 (10:50-11:20) Spin triplet exciton condensations in LaCoO_3 at ultrahigh magnetic fields up to 600 T <u>Akihiko Ikeda</u> | 22A-SF4-01 (10:50-11:20) A macroscopic object passively cooled into its quantum ground state of motion <u>Eddy Collin</u> | 22A-SF2B-01 (10:50-11:20) Superconductivity at interfaces of KTaO_3 and its origin <u>Anand Bhattacharya</u> | 22A-SF1-01 (10:50-11:20) Realization of spin qubits with electrons on superfluid helium <u>Denis Konstantinov</u> |
| | | 22A-SF2A-02 (11:20-11:50) Pseudospin-Triplet Pairing in UTe_2 <u>Daniel Agterberg</u> | 22A-SF3-02 (11:20-11:50) Itinerant Electron Ferromagnetism in Twisted Bilayer Graphene <u>Allan MacDonald</u> | 22A-SF4-02 (11:20-11:50) Quantum backaction and entanglement with mechanical oscillators <u>Mika Sillanpää</u> | 22A-SF2B-02 (11:20-11:50) Superconductivity in quasicrystal <u>Noriaki Sato</u> | 22A-SF1-02 (11:20-11:50) Surface-dominated finite size effects in nanoconfined superfluid helium <u>Emil Varga</u> |
| | | 22A-SF2A-03 (11:50-12:10) Imaging edge fields on chiral superconductor candidate UTe_2 <u>Yusuke Iguchi</u> | 22A-SF3-03 (11:50-12:10) Mechanical detection of de Haas—van Alphen effect in graphene <u>Juuso Manninen</u> | 22A-SF4-03 (11:50-12:10) Quantum capacitance enhanced nanotube optomechanics <u>Andreas K. Huettel</u> | 22A-SF2B-03 (11:50-12:10) Spin-triplet topological superconductivity in electron-correlated and spin-orbital coupled systems <u>Guo-qing Zheng</u> | 22A-SF1-03 (11:50-12:10) Ultrasound induced parametric instability of charged superfluid He^4 forms nanometer-sized bubbles containing eight electrons <u>Ambarish Ghosh</u> |
| | | 22A-SF2A-04 (12:10-12:30) Quantum-geometry-induced anapole superconductivity in UTe_2 <u>Taisei Kitamura</u> | 22A-SF3-04 (12:10-12:30) Theoretical studies of photoinduced topological phase transitions in organic salt $\alpha\text{-(BEDT-TTF)}_2\text{I}_3$ <u>Keisuke Kitayama</u> | 22A-SF4-04 (12:10-12:30) Hybrid Qubit <u>Jacob William Dunstan</u> | 22A-SF2B-04 (12:10-12:30) Superconductivity in CaSb_2 , line-nodal metal with a nonsymmorphic structure <u>Atsutoshi Ikeda</u> | 22A-SF1-04 (12:10-12:30) Spatial Diffusion of Hydrogen Atoms in Solid Molecular Hydrogen Films <u>Vladimir Khmelenko</u> |
| 12:30 | 12:30 - 14:00 Lunch Break | | | | | |
| 14:00 | 14:00 - 16:00 Poster Session | | | | | |
| 16:00 | 16:00 - 16:30 Coffee Break | | | | | |
| | | Hall 1 | | Hall 2 | | |
| 16:30 | Half Plenary | Half Plenary chairs: S. Brown, T. Hanaguri | | Half Plenary chairs: J. Pekola, M. Yamamoto | | |
| | | 22P-HPA-01 (16:30-17:10) The superconductivity of Sr_2RuO_4 <u>Andrew Mackenzie</u> | | 22P-HPB-01 (16:30-17:10) Engineering qubits in silicon with atomic precision <u>Michelle Simmons</u> | | |
| 17:50 | | 22P-HPA-02 (17:10-17:50) Correlation-driven metallic topology <u>Silke Paschen</u> | | 22P-HPB-02 (17:10-17:50) Spin detection by microwave photon counting <u>Patrice Bertet</u> | | |
| | Poster 3 remote (21:00-23:00) | | | | | |

color code: SF1 SF2 SF3 SF4 SF5