

Mini workshop on



Recent Topics in Low Temperature Physics

ICC-IMR

Aug. 17, 2022 13:30–17:00

IMR International Center of Educational Research (A03) 東北大金研国際教育研究棟

https://www.tohoku.ac.jp/map/en/?f=KH_A03

13:30-14:00

Qimiao Si, Rice University

“Beyond the periodic table of pairing states: multi-orbital pairing from iron-based superconductors to UTe_2 ”

14:00-14:30

Filip Ronning, LANL

“Developing Materials Specific Tractable Hamiltonians for 4f-electron Systems”

14:30-14:45

Motoi Kimata, IMR, Tohoku University

“Field-induced Lifshitz transition and non-reciprocal transport in a chiral semiconductor”

14:45-15:00

Yoshiki J. Sato, Tokyo University of Science

“New Gd-based magnetic compound $GdPt_2B$ with a chiral crystal structure”

15:00-15:15 Break

15:15-15:30

Kenji Ishida, Kyoto University

“Spin-susceptibility behavior in the superconducting state of UTe_2 ”

15:30-15:45

Yo Tokunaga, JAEA

“Slow Dynamics of Electrons in the Paramagnetic State of UTe_2 ”

15:45-16:00

Yoshinori Haga, JAEA

"Uranium deficiency and sample dependence in UTe_2 "

16:00-16:15

Hironori Sakai, JAEA

"Single crystal growth of superconducting UTe_2 by molten salt flux method"

16:15-16:30

Yoshifumi Tokiwa, JAEA

"Metamagnetic boost on superconductivity in UTe_2 "

16:30-16:45

Atsushi Miyake, ISSP, University of Tokyo

"Metamagnetic transition in UTe_2 "

16:45-17:00

Dai Aoki, IMR, Tohoku University

"Multiple superconducting phases and Fermi surfaces in UTe_2 "

Michito Suzuki, IMR, Tohoku University (no presentation)

Syota Mizuno, IMR, Tohoku University (no presentation)