

物理学第一分野DC3回生研究発表会御案内

下記の通り、DC3回生研究発表会を開催致します。

日 時	2024年11月21日 (木) 9:00~12:10
	2024年11月22日 (金) 9:00~16:20
場 所	理学研究科5号館 5階・第四講義室 (525号室)
発 表	20分 (別に質問時間10分程度)

発表の順番及び題目は次の通りです。

2024年11月21日 (木) 9:00~12:10

1. Chiral Boundary Current Along Chiral Domain Walls in Superfluid $^3\text{He-A}$
Yuto Ikegai (9:00)
2. Definition of current in non-Hermitian quantum mechanics
Hiroto Oka (9:30)
3. Branching structure in slippery type colloidal aggregation
Koichi Hirata (10:00)

10:30~10:40 休憩

4. Theoretical study on spin transport phenomena in novel nonequilibrium states
Ryotaro Sano (10:40)
5. Magnetoelectric correlations in noncentrosymmetric superconductors
Koki Shinada (11:10)
6. Unconventional pressure dependence of the
superconductivity in the Dirac line-nodal material CaSb_2
Hidemitsu Takahashi (11:40)

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7. Quantum Geometry and Superconductivity
Taisei Kitamura (9:00)
8. Observation of ytterbium atoms in an optical lattice by quantum gas microscopy
Noritaka Kitamura (9:30)
9. Dielectric screening of excitons in two-dimensional semiconductors
Shinya Takahashi (10:00)

1 0 : 3 0 ~ 1 0 : 4 0 休憩

1 0 . A dual-isotope ytterbium atom array towards mid-circuit measurements

Yuma Nakamura (1 0 : 4 0)

1 1 . Quantum simulation of few-body and many-body phenomena
in an optical lattice: effective multi-body force and
nonequilibrium dynamics in isolated and open systems

Kantaro Honda (1 1 : 1 0)

1 2 . Unconventional finite-momentum superconductivity
in trilayer transition metal dichalcogenides

Michiya Chazono (1 1 : 4 0)

1 2 : 1 0 ~ 1 3 : 1 0 昼休み

1 3 . Effects of cis lifetime on photo induced orientational order parameter modulation

Eiki Kawanishi (1 3 : 1 0)

1 4 . Quantum Cryptographic Primitives with Certified Everlasting Security

Taiga Hiroka (1 3 : 4 0)

1 5 . Pressure Evolution of Magnetic Structures and Quasiparticle
Excitations on Rare-Earth-Based Zigzag-Chain YbCuS₂

Fumiya HORI (1 4 : 1 0)

1 4 : 4 0 ~ 1 4 : 5 0 休憩

1 6 . Impact of Charge Distribution on the Stability of Ferroelectric
Nematic Liquid Crystals

Matheus de Mello (1 4 : 5 0)

1 7 . Dynamic Heterogeneity in Mesoscale Turbulence of Dense Living Matter

Kohei Okuyama (1 5 : 2 0)

1 8 . Topological enhancement of non-normality in non-Hermitian skin effects

Yusuke Nakai (1 5 : 5 0)