

## センターからのお知らせ

# 2024 年度共同利用成果

### <SQUID 磁化測定装置（青葉山）>

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- F. Ito, N. Kabeya, and N. Kimura, “Weakly coupled type-II superconductivity in LaCoSi<sub>2</sub> single crystal”, Physica C: Superconductivity and its Applications **630**, 1354655 (2025).
- N. Kabeya, R. Kogane, S. Takahara, S. Nakamura, K. Araki, K. Katoh, N. Kimura, and A. Ochiai, “Effective staggered field for strongly anisotropic moments on the low-symmetry site in Ce<sub>2</sub>Pd<sub>2</sub>Pb”, Phys. Rev. B **110**, 174421 (2024).

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- 福村知昭, “希土類単酸化物の薄膜エピタキシーによる合成と物性”, 固体物理 60(2), 33(103)-43(113) (2025). (無機固体物質化学研究室)

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- S. Tajima, H. Masuda, Y. Nii, S. Kimura, Y. Onose, “A high-temperature multiferroic Tb<sub>2</sub>(MoO<sub>4</sub>)<sub>3</sub>”, Commun. Mater. **5**, 267 (2024).
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- P. Xie, M. Takahama, T. Taniguchi, H. Okabe, A. Koda, I. Watanabe, and M. Fujita, “Annealing and doping effects on magnetism for  $T^*$ -type  $(\text{La}, \text{Eu}, \text{Sr})_2\text{CuO}_{4-y}\text{F}_y$  cuprates”, *Interactions* **245**, 66 (2024).
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< X線回析装置（片平） >

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< 物性測定装置（片平） >

- T. Sakami, H. Ogura, A. Ino, T. Ouchi, T. Nojima, and F. Nakamura, “Metallisation of the Mott Insulator Ca<sub>2</sub>RuO<sub>4</sub> Using Electric Double-Layer Gating”, *J. Phys. Soc. Jpn.* **94**, 023703 (2025).