

# Collaborative Research Visit to the Shimakawa Lab, ICR, Kyoto University

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2025.1.31~2025.2.28 (29 days)

Thanks to Professor Yuichi Shimakawa and ICR of Kyoto University, I was able to visit Professor Shimakawa's group again for the collaborative research program. Although it was a short-time stay, I had devoted my time using the high-pressure apparatus for preparing some interesting compounds for the following research. We had a very pleasant discussion about the newly obtained compounds and established a constructive plan for the foreseeing year.

My mainly purpose this time was to prepare a large amount of hexagonal perovskite oxides by using the apparatus "ELEPHANT". The obtained compounds will then be investigated by using neutron powder diffraction. This time I had tried to calibrate the "ELEPHANT" with the help of Goto assistant professor. I prepared the big Pt capsule and corresponding pyrophyllite cube but a miss at the final stage causing the short of electrical heating progress afterwhile. After the first failure, the rest trials had successfully been achieved.

One day during my stay, a visiting professor from Guilin Technology School has been visited the lab. I was invited to attend the dinner at an Izakaya restaurant in front of the Kyoto Station. We had a good time enjoying the Japanese food, Osake, and sharing the research work with each other.

Finally, I would like to acknowledge the financial support provided by the ICR-iJURC research program for giving me the precious chance to visit Shimakawa's Lab at ICR, Kyoto University. I am grateful to Professor Shimakawa for his kindness and supervision, as well as Kan-sensei, Goto sensei, and other group members for their assistance and collaboration.



High-pressure apparatus "ELEPHANT"



Dinner at an Izakaya restaurant at Kyoto Station