

# Symposium on Quantum Science 2025

Universität Hamburg/ Osaka University



## 18<sub>(Tue)</sub>–19<sub>(Wed)</sub> February 2025

**Venue: CFEL(The Center for Free Electron Laser Science) at DESY campus**

Address: Luruper Chaussee 149, 22761 Hamburg, Germany

and Online《hybrid》

We are organizing the **2-day Osaka-Hamburg Symposium 2025** to initiate the future research collaboration between the Osaka University in Japan and University of Hamburg in Germany.

The event is part of the **Osaka University's Pioneering Quantum Beam Application (PQBA) doctoral program**. Any subject relevant to quantum science is welcome, and we look forward to the valuable insights and discussions that will contribute to the advancement of quantum beam research.

### Subjects

The following subjects will be introduced as research areas of invited speakers:

1. Targeted alpha therapy and diagnostics
2. Radiation therapy
3. Infectious disease
4. High energy and nuclear physics
5. Computational high energy physics
6. Condensed matter physics



In addition to these topics, student presentations will cover a wide range of other areas related to quantum science, ensuring a diverse and comprehensive exploration of the field.

We are excited to see a wide range of topics related to quantum science and anticipate fruitful discussions that will drive future innovations.