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Status update from the FREIA Laboratory

Tuesday 1 April 2025 16:00 (30 minutes)

Oral presentation (20 min) + Q&A (10 min)

The FREIA Laboratory, which is part of the Department of Physics and Astronomy at Uppsala University in Sweden, is a research facility that focuses on R&D on superconducting accelerator technology. As part of the lab, there is the vertical cryostat Gersemi with an associated test-stand for superconducting magnets. We are currently upgrading the test-stand by adding a system for magnetic field measurements. It is based on rotating coils and an anticryostat, in order to keep the sensor warm while operating the magnet at cryogenic temperatures. We will report on the latest updates of the lab, our magnet development activities, and the plans ahead.

Presenter: OLVEGÅRD, Maja (Uppsala University)