TFI and PPM Seminar

Guest Speakers: Dr. Gediminas Simutis
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Date: Monday 26 October 2026, 16:00
Room: OFLG/402

Title: **NMR at PSI**

Abstract

Nuclear Magnetic Resonance (NMR) is a powerful method to study physics in the solid state as it can access magnetic, charge, and lattice properties. On one hand, it can be beneficial for the characterization of newly discovered quantum materials. At the same time, it is well-compatible with extreme conditions, such as high pressures or anisotropic loads. Moreover, the ability to perform quantitative measurements even improves, when samples are exposed to low temperatures and high magnetic fields – exactly the conditions, where some other probes start to lose sensitivity.

In this seminar, I will introduce the basics of NMR spectroscopy and give a few examples of how we apply the technique to study correlated electron systems. I will then present our plans for the new NMR setup that will be located in the new QMMC building and how it will be integrated into the materials research infrastructure at PSI.