



IFMP Seminar

Date Monday, July 8, 2024, at 14:50

REC/C213

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Speaker **Tobias Ritschel**

IFMP, TU Dresden

Title **Unique x-ray diffraction systems and more: The growing laboratory infrastructure at the IFMP**

Abstract Over the past five years, the laboratory infrastructure at the Institute of Solid State and Materials Physics has developed rapidly. The commissioning of our flagship, the multi-purpose x-ray diffractometer SIRUS, is only the latest milestone. In addition to three unique x-ray diffraction systems that enable x-ray diffraction measurements on single crystals, powders and surfaces, we have also set up a comprehensive range of complex sample environments such as low and high temperatures, hydrostatic pressure and uniaxial strain.

I will briefly introduce the available methods and sample environments and present some preliminary results as well as a roadmap for future developments. We will then take a tour around the labs and see the machines at work, with plenty of time for questions and discussion.

Host: J. Geck