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Paineira beamline for time-resolved and high resolution X-ray diffraction experiments at Sirius

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The Paineira beamline is optimized for powder diffraction with combined spectroscopy techniques and is aimed at the structural characterization of polycrystalline materials under operando working conditions. The talk will briefly cover the fundamental parameters of the Sirius storage ring, the 1st phase beamlines currently under commissioning and finally a brief overview of the Paineira beamline and its capabilities

Summary

The new 4th generation Sirius synchrotron brings new possibilities for scientific research to the Southern hemisphere. My talk aims to share a brief overview of this new facility with special reference to the Paineira beamline

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