

Insertion devices of SLS 2.0

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Jeudi 11 juillet 2024 – 11h00
Amphithéâtre SOLEIL

The Swiss Light Source (SLS) is undergoing a significant upgrade to its storage ring, termed SLS2.0, which will reduce its emittance from 5 nm.rad to a calculated 150 pm.rad. This upgrade, alongside the installation of new undulators, is expected to enhance the brightness of its beamlines by an average of two orders of magnitude. This seminar will provide a brief overview of the SLS2.0 project, highlighting the new features of both the accelerator and the beamlines. It will then focus on the design and procurement status of the new insertion devices for soft and hard x-rays. This includes the Knot Apple X undulator with its complex magnetic structure, the compact in-vacuum undulator with magnetic compensation, and bulk high-temperature superconducting undulator, designed to power the new I-TOMCAT beamline dedicated to tomographic microscopy.

SEMINAIRE

Formalités d'entrée : accès libre dans l'amphi du pavillon d'Accueil.

Si la manifestation a lieu dans le Grand Amphi SOLEIL du Bâtiment Central merci de vous munir d'une pièce d'identité (à échanger à l'accueil contre un badge d'accès).

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