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## **【131】 SLS-2: upgrade of the Swiss Light Source**

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Progress in low emittance electron storage ring design necessitates an upgrade of the Swiss Light Source (SLS) in order to stay competitive in the future.

For the period 2021-24 it is planned to replace the storage ring by a new one providing 30-40 times lower emittance and correspondent higher brightness and coherent fraction. A novel type of lattice was developed to provide an emittance of about 125 pm.rad at the SLS energy of 2.4 GeV and within the comparatively small circumference of 290 m. A conceptual design report is in preparation.

**Author:** STREUN, Andreas (Paul Scherrer Institut PSI)

**Presenter:** STREUN, Andreas (Paul Scherrer Institut PSI)

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