



Contribution ID: 129 Contribution code: WEP41

Type: **Poster Presentation**

Overview of SLS 2.0 beam based feedbacks and BPM system

Wednesday, 11 September 2024 14:20 (1h 30m)

For the ongoing upgrade of the Swiss Light Source (SLS) storage ring, the previous ageing beam-based feedbacks and beam position monitor (BPM) systems are replaced by newly developed versions, where beam commissioning is planned to start in January 2025. Feedbacks include the fast orbit feedback (FOFB), transverse and longitudinal multibunch feedback (MBFB), and filling pattern feedback (FPFB). In this contribution, we give an overview of the architectures and development/production status of these feedbacks and of the BPM system, including latest pre-beam test results.

Footnotes

Funding Agency

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Yes

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Session Classification: WEP: Wednesday Poster Session

Track Classification: MC6: Feedback Systems and Beam Stability