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Type: **Invited Oral Presentation**

LCLS-II commissioning and operation with high-repetition-rate CW FELs

Wednesday 4 June 2025 14:30 (30 minutes)

LCLS-II first stage commissioning will be completed in the summer of 2023, with demonstration of 1kHz FELs using the superconducting CW electron beam. Operation-based electron beam and FEL commissioning will be continued with the goal of ramping up beam rate, improving the FEL performance, and developing advanced FEL operation modes. The commissioning challenges and the latest machine performance should be reviewed, and the next step plan for achieving the objective design performance should be discussed.

Footnotes

Funding Agency

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