

Status of PLS-II and PAL-XFEL

Wednesday, November 13, 2024 4:00 PM (25 minutes)

Pohang Accelerator Laboratory operates PLS-II, a 3rd generation synchrotron radiation facility, and PAL-XFEL, a hard X-ray free-electron laser, and is constantly working to improve the performance of both accelerators. This year, we exchanged a SLED of PLS-II Linac to increase the energy gain for uninterrupted top-up mode operation. Since the middle of this year, we have provided a beam current of 300 mA for user service and successfully completed a mechanical study of 400 mA in PLS-II. At PAL-XFEL, we tried 24-hour beam time for the first time and conducted a de-chirper machine study to monitor the longitudinal beam characteristics of PAL-XFEL. In this presentation, we would like to report the recent status of PLS-II and PAL-XFEL.

Contribution track

Paper submission Plan

Best Presentation

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Session Classification: Facility Report Talk