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## Recent status and plan of ERL test accelerator at KEK

*Monday 2 June 2025 16:00 (2 hours)*

The compact ERL (cERL) is a test accelerator operating at KEK. Its main purposes are to develop key technologies related to energy-recovery linacs and high-current superconducting accelerators for industrial applications. An important goal of our activity is to realize a high power FEL source for future EUV lithography. In recent years, we have been working on demonstrating high current beam operation in energy-recovery mode. We will summarize the status of the facility and lessons learned in recent beam operations, and discuss our development plan for the future project.

### Footnotes

### Paper preparation format

LaTeX

### Region represented

Asia

### Funding Agency

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