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## Test beamline construction and device performance evaluation at PLS-II

*Tuesday 16 September 2025 17:00 (1 hour)*

A test beamline has been built at the Pohang Light Source-II (PLS-II) to check the performance of new diagnostic and optical devices. The entire beamline is installed inside an experimental hutch, which includes basic support systems like a portable crane, cooling lines, and air lines for easier setup and testing. Currently, the beamline includes a 4-way slit, screen monitor, wire scanner, and a double crystal monochromator (DCM). New diagnostic devices for synchrotron radiation will also be developed and tested here. Optical devices such as the DCM and mirror manipulator are being upgraded, and we are focusing on improving mechanical stability and reducing beam vibrations. The goal is to apply these improvements step-by-step to the existing beamlines at PLS-II.

### Footnotes

### Funding Agency

**Author:** KIM, Sang Hun (Pohang Accelerator Laboratory)

**Co-author:** KIM, Jangwoo (Pohang Accelerator Laboratory)

**Presenter:** KIM, Sang Hun (Pohang Accelerator Laboratory)

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