

## CERN Test Beamlines

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**Abstract:** CERN's accelerator complex offers a great variety of multi-purpose test-beam and irradiation facilities. These facilities are used for a large variety of purposes, including the testing of the detector prototypes for LHC, FCC, CLIC and neutrino research, the calibration of these detectors, testing of radiation hardness of materials and electronics (among others, for space exploration), but also climate research, medical applications and outreach.

This presentation gives an overview of the test beams derived from proton beams extracted from the Proton Synchrotron (PS) and Super Proton Synchrotron (SPS). The current and potential users of the test beams and several other fixed target facilities, such as HiRadMat and AWAKE, are introduced. The presentation includes a summary of the beamline design, beam instrumentation and the infrastructure available to the users.

