

## 9th Beam Telescopes and Test Beams Workshop



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# Status Report on the DESY II Test Beam Facility and the EUDET/AIDA Beam Telescopes

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The DESY II Test Beam Facility provides user groups with three test beams of several kiloelectrons per second with energies between 1 and 6 GeV - typically for around 40 weeks every year.

As part of the test beam infrastructure, permanently installed EUDET-type beam telescopes are available to all users. They have been successfully operated for more than ten years and still provide a competitive spatial resolution. However, today's requirements for particle detectors, for example in terms of time resolution and readout bandwidth, generally exceed their capabilities. Plus, the last available MIMOSA26 pixel sensors are about to reach their end of life. Several developments are therefore ongoing that aim at developing successors of the current beam telescopes.

This presentation will recap the operation of the DESY II Test Beam Facility in 2020, report on plans for 2021, and summarize the developments around the EUDET/AIDA beam telescopes.

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