

7th Beam Telescopes and Test Beams Workshop



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The LYCORIS Telescope at the DESY II Test Beam Facility

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The DESY II Test Beam Facility is one of few facilities around the world capable of providing multi GeV particle beams. It is, as such, a key component in current detector development.

As part of the AIDA2020 project, the LYCORIS telescope was designed based on a hybrid-less silicon strip tracker with a strip pitch of $25\ \mu\text{m}$ and an active area of $9.3 \times 9.3\ \text{mm}^2$. LYCORIS is designed to be complementary to the current EUDET-type telescopes, to address user demands of a larger active area, higher time resolution and/or a smaller support structure. \\

The latest state of the system will be presented, including hardware construction highlights, the latest performance results from beam tests, and the DAQ system status.

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