

# 5th Beam Telescopes and Test Beams Workshop 2017



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## Overview: Basics of calorimetry in test beams

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With their ability to measure neutral particles, calorimeters are one of the most important components in particle physics detectors. They play a crucial role for the reconstruction of single particles and jets as well as event quantities like missing transverse momentum. Recently, calorimeters with high granularity have been developed that are essential for a very good jet energy reconstruction based on particle flow algorithms, and - combined with a good time resolution - can also help to mitigate the effects of pile-up. This presentation will give an overview of recent developments in calorimetry for future detectors at linear electron-positron colliders and upgrades of LHC detectors, and discuss the requirements specific for calorimeter beam tests.

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**Session Classification:** Overview Lectures: Tracking, Calorimetry, Timing, DAQ systems