

10th Beam Telescopes and Test Beams Workshop



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CERN Secondary Beam lines and Experimental Areas

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The CERN beam lines of the North and the East Area are designed to deliver beams of secondary and tertiary particles as well as attenuated primary protons and ions from the SPS and PS accelerators. Typically, hadrons, electrons, and muons in the energy range up to 360 GeV/c at a maximum flux of $10^7 - 10^8$ particles per SPS extraction are served to the experimental areas. Following the Long Shutdown 2, these beam started again in 2021. This talk will present the features of the different beam lines and beams serving various fixed target experiments and test beam areas, including beam properties, available infrastructure for tests and beam instrumentation, e.g. the installed beam telescopes. The beam control software will also be briefly introduced. The East Area has been just renovated and a first look into the performance of the newly available beams will be given, as well.

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