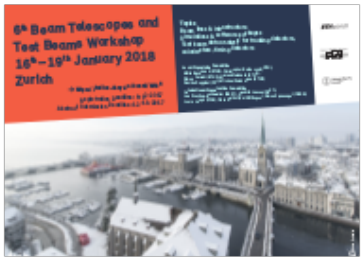

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Overview over CERN SPS secondary beams

Wednesday, 17 January 2018 09:55 (15 minutes)

CERN's accelerator complex offers a great variety of multi-purpose test-beam facilities. In this presentation, an overview of the secondary beams derived from proton beams extracted from the Super Proton Synchrotron (SPS) will be given. The available secondary particle beam momenta range from about 10 GeV/c up to 400 GeV/c. The available intensities extend from about 10^3 up to 10^7 particles per spill. The readout of some of the beam instrumentation of the lines is also available to the user community and the beams can be optimized (within certain restrictions) to serve each experiment's requirements. Additionally to the overview over the secondary beamlines, several experiments, such as HiRadMat and AWAKE, are discussed in the current presentation. Also, the plans for the consolidation of the North Area hall are presented.

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