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Beam Instrumentation

Wednesday 12 March 2025 11:20 (1 hour)

This lecture gives an introduction to Beam instrumentation in particle accelerators. It describes the physical processes and the technologies involved in the monitoring of beam intensity, beam position, transverse and longitudinal beam profiles as well as beam losses. The lecture also presents a series of examples of instruments currently used at CERN.

Presenter: LEFEVRE, Thibaut (CERN)