

UPGRADE OF THE PITZ FACILITY AND FIRST BEAM MEASUREMENTS

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Abstract

The upgrade of the Photo Injector Test Facility at DESY in Zeuthen towards the PITZ2 stage is continuously ongoing. In Spring 2006, a new stage was taken into operation (PITZ1.6), mainly characterized by the installation of three new emittance measurement systems distributed along the beamline. Using the booster cavity, studies of the emittance compensation principle will thus become possible. In the paper, the first beam measurements using the new installed diagnostics devices are presented.

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