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Diagnostics for Machine Protection at FERMI@Elettra

Thursday 7 June 2012 10:00 (30 minutes)

The talk presents the design and performance of the main diagnostic subsystems of the MPS for the FERMI@Elettra free-electron laser: Beam loss position monitors based on the detection of Cherenkov light in quartz fibers with multi-pixel photon counters, conventional ionization chambers with a novel frontend electronics package, and solid-state RADFET dosimeters providing an online measurement of the absorbed dose in undulator magnets.

Presenter: FRÖHLICH, Lars (Sincrotrone Trieste)

Session Classification: Failure detection