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## LASA test facility

*Tuesday 1 April 2025 13:40 (30 minutes)*

Oral presentation (20 min) + Q&A (10 min)

LASA laboratory at INFN Milano unit have been testing superconducting magnets and conductors at 4.5 K for several projects, including ATLAS, DISCORAP (SIS300) and HL-LHC high order correctors by three test stations. An update of those test stations is ongoing in the framework of the next generation EU project IRIS (Innovative Research

Infrastructure on applied Superconductivity). The updated tests area will provide three variable temperature conduction-cooled test beds, one system also provides a background field up to 8 T. The powering and protection systems are updated up to 30 kA with a fast switch. A detailed description of testing capabilities and the schedule of the update are presented.

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