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Implementation and experience with the pilot CMDS (Cryomodule and Distribution System) control system at TS2, in view of operating the ESS superconducting LINAC cryogenics

Thursday, 23 May 2024 16:00 (2 hours)

This paper introduces the strategy for operating the cryogenic system of the ESS superconducting LINAC, emphasizing the integration of individual cryomodules and valve boxes within an unified system. The study focuses on the practical implementation of this strategy at Test Stand 2 (TS2) as a pilot project, validating the proposed control system in a real-world setting. The paper evaluates the primary goals which include performing functional tests, successful implementation, identifying control system shortcomings, and collecting valuable operator feedback for continuous improvement.

Footnotes

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Europe

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