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Field emission experience, statistics and challenges with ESS elliptical cryomodule

Wednesday, 22 May 2024 16:00 (2 hours)

ESS elliptical cryomodules, CEA-INFN-STFC in-kind contribution, undergo site acceptance test at ESS Lund Test Stand (TS2). Here the Field Emission operation experience, modules performances statistics and limiting mechanism, diagnostics equipment and analysis tool are described. High energy field emission and dose rate operational challenges and long-term superconducting LINAC operational strategy are described.

Footnotes

Funding Agency

Paper preparation format

Word

Region represented

Europe

Primary author: MAIANO, Cecilia (European Spallation Source ERIC)

Co-authors: CENNI, Enrico (Commissariat à l'Énergie Atomique et aux Énergies Alternatives); DEVANZ, Guillaume (Commissariat à l'Énergie Atomique); WANG, Muyuan (European Spallation Source ERIC); ELIAS, Nuno (European Spallation Source ERIC); PIQUET, Olivier (Commissariat à l'Énergie Atomique); PIERINI, Paolo (European Spallation Source ERIC); GOUDKET, Philippe (European Spallation Source ERIC)

Presenter: MAIANO, Cecilia (European Spallation Source ERIC)

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