



Contribution ID: 1660 Contribution code: TUPM053

Type: **Poster Presentation**

The SARAF-linac project status

Tuesday, 9 May 2023 16:30 (2 hours)

SNRC and CEA collaborate to the upgrade of the SARAF accelerator to 5 mA CW 40 MeV deuteron and proton beams (Phase 2). CEA is in charge of the design, construction and commissioning of the linac downstream the existing RFQ (SARAF-LINAC Project).

The MEBT is now installed at SNRC and has been commissioned with beam. Transverse and longitudinal emittances have been measured and beam transport has been compared with TraceWin simulations.

The low-beta HWR and superconducting solenoids have all achieved their design performances on Saclay test-stand.

First cryomodule has been assembled and tested at Saclay and is being installed at SNRC.

This paper presents the results of the MEBT commissioning, the qualification of the HWR and the solenoids and the test results of the first cryomodule.

Funding Agency

Footnotes

I have read and accept the Privacy Policy Statement

Yes

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Session Classification: Tuesday Poster Session

Track Classification: MC4: Hadron Accelerators: MC4.A17: High Intensity Accelerators