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Status of the ESS normal conducting linac including beam commissioning to DTL4

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The European Spallation Source (ESS) aims to build and commission a 2 MW proton linac ready for neutron production in 2025. Commissioning of the normal conducting section of the linac is underway and previous papers have reported the performance of the microwave-discharge ion source, Radio Frequency Quadrupole (RFQ) and first Drift Tube Linac (DTL) tank.

This paper describes the recent assembly, installation, testing and commissioning of an additional three DTL tanks as well as developments of supporting systems such as RF feedback, control system tools and operating procedures.

Funding Agency

Footnotes

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Yes

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