



## Testing and delivery of high beta cavities for the European Spallation Source by UKRI-STFC Daresbury Laboratory

*Monday 22 September 2025 14:30 (3 hours)*

The testing and delivery of 86 704 MHz high-beta superconducting RF (SRF) cavities as part of an In-Kind-Contribution (IKC) by Accelerator Science and Technology Centre (ASTeC) for the European Spallation Source (ESS) facility in Lund, Sweden has just been completed. The cavities have been manufactured by industry, Research Instruments in Germany, and have been tested at Daresbury Laboratory and Deutsches Elektronen-Synchrotron (DESY). The requirement for the cavities was to achieve an accelerating gradient of 18.9 MV/m at a Q0 of 5e10. A review of the test results is described.

### I have read and accept the Privacy Policy Statement

Yes

### Footnotes

### Funding Agency

UKRI-STFC

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