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Overview of the 704 MHz high power amplifiers at ESS including progress and first results

Tuesday 21 June 2016 11:30 (30 minutes)

The talk will give an overview of the ESS RF system, with focus of the medium beta part of the linac. This section will contain 36 superconducting cavities, each foreseen to be supplied by a single klystron, able to provide 1.5 MW peak output power at 704.42 MHz. ESS is currently procuring three medium beta klystron prototypes: The main design features will be presented in the talk, together with results from the first tests.

Summary

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Session Classification: Klystrons