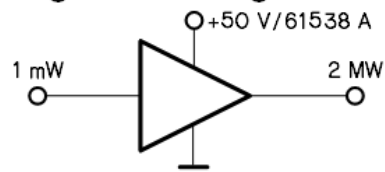


# Twelfth Continuous Wave and High Average Power RF Workshop



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CERN

Geneva, Switzerland

<http://cern.ch/CWRF22>

Contribution ID: 21

Type: **Oral presentation 20' + 5'**

## The ESS RF Systems: An overview and progress summary

*Monday, September 12, 2022 4:35 PM (25 minutes)*

ESS will ultimately need 155 high power RF systems to deliver 5 MW of power to the proton beam. The first phase will consist of 91 systems which are currently being installed and tested, with the first systems already in operation to support cavity conditioning and beam operation. This talk will introduce the high level RF system design, key technologies, our strategy for installation, test and support, and will summarise the progress and main challenges to date.

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**Session Classification:** Solid state amplifiers #3

**Track Classification:** High Power RF System Status and Operating Experience