



Contribution ID: 14

Type: **Oral presentation**

RF Operation, HOM Damped Cavities and 150 kW Solid State Amplifiers at the ESRF

Tuesday 13 May 2014 16:30 (30 minutes)

In the frame of the ongoing ESRF upgrade phase 1, a new RF section has been recently commissioned with three strongly HOM damped cavities powered by three 150 kW Solid State Amplifiers (SSAs). On the booster, four 150 kW SSAs are replacing the former klystron transmitter since April 2012. Twelve additional HOM damped cavities have been ordered at the end of 2013 for the projected low emittance ring that will replace the existing machine at the end of this decade. The status of RF operation, the commissioning of the new SSAs and the HOM damped cavities and the RF system for the new machine will be presented.

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Session Classification: Tuesday afternoon 2

Track Classification: SPC judgements