

MTCA.4 based LLRF for the European Spallation Source

Thursday 10 December 2015 09:00 (15 minutes)

The European Spallation Source, or ESS, is a 5 MW neutron source being built in Lund, Sweden. The proton Linac that generates the beam to produce the neutron is pulsed at 14 Hz, and the design is beam loss limited. This gives fairly strong requirements for the RF systems, including the LLRF regulation off the cavity fields. The talk will give an overview of the design and status of the ESS LLRF system, which is based upon MTCA.4.

Primary author: Dr ANDERS, J Johansson (European Spallation Source, Lund University)

Presenter: Dr ANDERS, J Johansson (European Spallation Source, Lund University)

Session Classification: Session 5