

Requirements and parameters for LLRF system at ESS

Thursday 20 October 2011 12:40 (20 minutes)

The LLRF design is undergoing at ESS where about 200 LLRF stations are expected to be built by the year 2019 for a variety of RF cavities such as RFQ, DTL, spoke and elliptical superconducting cavities, which are planned to be individually powered, i.e. one klystron per cavity in current design. It is essential to identify and recognize the requirement, issues and challenges to be addressed in LLRF system, as well as to define the interface parameters. In this presentation, we will describe the stringent demands of ESS on LLRF system and the proposed solutions, and the key parameters to be identified. Moreover, we are keen to look for the suggestions and comments from LLRF community.

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Session Classification: Session 11