

The MicroTCA.4 based LLRF system and other applications at NSRL

Thursday 3 December 2020 13:45 (15 minutes)

A digital LLRF control system based on the MicroTCA.4 standard has been implemented in normal conducting linac at national synchrotron radiation laboratory(NSRL),university of science and technology of China (USTC). The presentation will give an overview on the system architecture and control algorithm like pre-distortion linearizer and phase feed-forward will be discussed. And fluctuation of waveforms from pulse to pulse is still a problem to be solved. Also the MicroTCA.4 applications on BPM and timing in NSRL will be mentioned in the presentation.

Summary

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Session Classification: Session 7