

Xinpeng Ma - Low level RF Applications based on MicroTCA.4 at IHEP

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Applications of the Low Level RF (LLRF) control system based on the MicroTCA.4 standard at IHEP within last years are presented. In the China-ADS project, the MicroTCA.4 hardware platform is used for the LLRF control of CW proton linac which includes 1 RFQ, 2 bunchers, 20 high-Q superconducting cavities within 3 Cryomodules. In the BEPC-II facility, it is used for Sub-Harmonic Bunchers and accelerating tubes of the normal conducting electron linac. The design, functions and performance of the MicroTCA.4 based LLRF system together with beam commissioning results will be shown.

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