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Commissioning and performance of a C-band LLRF system at RadiaBeam

Monday 26 August 2024 16:00 (2 hours)

RadiaBeam and RadiaSoft have been developing a LLRF system for a 100MeV C-band LINAC. The system is based on a Keysight PXIE arbitrary waveform generator and ADCs. We are in the process of commissioning our system and validating its performance. In this presentation, we will provide details on amplitude and phase calibration, improvements to signal conditioning, comparisons between measurements and simulations, and performance of our pulse to pulse feedback scheme.

Footnotes

Funding Agency

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