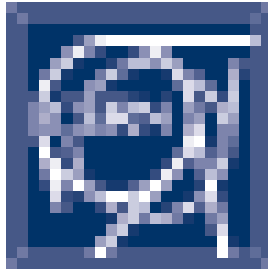


LLRF05



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CERN LINAC LLRF

Tuesday, 11 October 2005 09:10 (20 minutes)

A VME based control system has been developed and built at CERN for the servo loops regulating the field in linac accelerating structures. It is an all-digital system built on a single VME card, providing digital detection, processing, and modulation. It is foreseen to be used, in different versions, for the needs of both present and future CERN hadron linacs and is currently being used in the energy ramping RF chain of the CERN Heavy Ion Linac (Linac 3). The design principle and the experimental results are described.

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