

Present Status and Improvement Plan of J-PARC Linac RF Control Systems

The RF control systems have been developed for the J-PARC proton Linac, which consists of 324-MHz low-beta and 972-MHz high-beta sections. From the commissioning of the J-PARC 324-MHz 181-MeV proton Linac in October 2006 to the last operation cycle in May 2013, the 181MeV proton Linac had been operated nearly for 7 years. During the past 7 years, almost no heavy troubles occurred in the RF control systems. Of course, almost every year we made improvements on the RF control systems, according to the operation experiences. The present status of the J-PARC Linac RF control systems will be described in details, and an improvement plan for the LLRF systems in the soon future will also be introduced.

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