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Adoption of the micro-TCA to the next KEK-PF LLRF system

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We plan to replace the low-level RF (LLRF) system at the KEK-PF. The present LLRF system is composed of analog modules, while the new system will be composed of digital boards which are based on the μ TCA.4 standards. On the other hand, we will also adopt the μ TCA to the monitor system for the transient beam loading effect. In this presentation, we introduce the present RF system, the overview of the new LLRF system, and the monitor system.

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