

# Status of MTCA at J-PARC in 2023

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The LLRF systems based on MTCA.4 in Japan Proton Accelerator Research Complex (J-PARC) are working stably and reliably. They support the stable beam delivery from RCS and MR to the experiments at very high beam power. There are several MTCA application projects at J-PARC, for example, timing modules and a new feedback system against beam instabilities. A COTS MTCA digitizer is now utilized for beam signal acquisition. The status and future plans of the MTCA applications at J-PARC are presented.

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