

Summary of MTCA Workshop in Japan 2025 and Status of MTCA at J-PARC in 2025

Tuesday 2 December 2025 15:00 (15 minutes)

The MTCA workshop in Japan 2025 (MTCAWS in Japan 2025) was held from August 27 to 29 at KEK in person, while the last Japanese workshop in 2021 was held in a virtual format under COVID-19 conditions. The goal of this workshop is to boost the application of MTCA in Japan by exchanging the information and experiences. We welcomed the lecturer from DESY, who gave us a tutorial lecture on FPGA programming for MTCA platforms. We had a keynote talk and 16 orals. The workshop was very successful with 70 registered participants. The summary of the workshop and outlook are presented. 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. Recently, we achieved the design output beam power of RCS and MR. There are new MTCA applications projects at J-PARC. The status and future plans of the MTCA applications at J-PARC are presented.

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