

Status of MicroTCA at J-PARC in 2022

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The number of the MicroTCA systems in Japan Proton Accelerator Research Complex (J-PARC) is steadily increasing. The LLRF control system of the main ring (MR) was fully replaced with the new system based on MicroTCA.4. The R&D of the LLRF systems for the UHF and L-band parts of the future muon linac has been started. The systems employ the COTS RFSOC AMCs, contrary to the other applications in J-PARC that employ custom AMCs. The status and future plan of the MicroTCA application in J-PARC are presented.

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