

Current status of the J-PARC accelerators

Friday, November 14, 2025 9:30 AM (30 minutes)

By 2025, J-PARC has achieved its initial performance goals, realizing 1 MW operation in the RCS, 750 kW fast extraction and 90 kW slow extraction operation in the MR. Furthermore, ongoing developments aim for higher beam intensities—for the RCS toward the second target station of the MLF, and for the MR toward the Hyper-Kamiokande experiment. In addition, for the linac, an upgrade project to double the repetition rate is in progress to realize a proton beam irradiation facility. This presentation reports on the current status and upgrade progress of the J-PARC accelerators.

Paper submission Plan

No

Best Presentation

No

Primary author: KONDO, Yasuhiro (Japan Atomic Energy Agency)

Presenter: KONDO, Yasuhiro (Japan Atomic Energy Agency)

Track Classification: ICABU: Working group 1: Accelerator systems