



Contribution ID: 175 Contribution code: **THIAB01**

Type: **Invited Oral Presentation**

Recent beam study results and strategy for 1.3 MW operation in J-PARC MR

Thursday, October 23, 2025 8:30 AM (30 minutes)

The main ring synchrotron (MR) of Japan Proton Accelerator Research Complex (J-PARC) provides high power proton beams for the neutrino and hadron experiments with fast extraction (FX) and slow extraction (SX), respectively. We have achieved FX 830 kW continuous operation and demonstrated FX 955 kW equivalent beams. We are aiming at FX 1.3 MW operation by 2028. In this talk, we will present the recent beam study results realizing FX 955 kW equivalent beams and strategies toward FX 1.3 MW operation.

Footnotes

Funding Agency

I have read and accept the Privacy Policy Statement

Yes

Author: YASUI, Takaaki (High Energy Accelerator Research Organization)

Presenter: YASUI, Takaaki (High Energy Accelerator Research Organization)

Session Classification: THIAB WGD invited oral

Track Classification: WGD:Operations and Commissioning