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Numerical simulation study towards 1.3-MW beam operation at J-PARC MR

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In the J-PARC Main Ring, a project to upgrade the beam power to 1.3 MW is currently underway. The most important issues in realizing such a high-power beam operation are controlling and minimizing beam loss, which are essential for sustainable beam operation allowing hands-on maintenance. In this paper, we report on our recent efforts to understand the mechanism of beam loss and to reduce it.

Funding Agency

Footnotes

I have read and accept the Privacy Policy Statement

Yes

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