

Preface for the KURNS Progress Report 2025

It is our pleasure to announce that the KURNS Progress Report 2025 has been published. This report contains all the accomplishments of research and related activities at the Institute for Integrated Radiation and Nuclear Science, Kyoto University (KURNS) during the fiscal year 2025 (hereafter called FY2025). Many research subjects have been enrolled in FY2025, which cover various fields of nuclear science and technology, materials science, radiation life science and radiation medical science. It means that our institute continues to play a distinctive role as a Joint Usage/Research Center, promoting an extensive range of studies from fundamental to applied research with research reactors and accelerators.

In FY 2025, KUR operated for 1077 hours and KUCA was 0 hours. Note that here KUCA has zero operating hours due to efforts to move to low enriched uranium fuel. KUR concluded its operational use on April 23, 2026. KUR has always been at the center of the institute, serving not only as its symbol but also as a source of cohesion. Marking this milestone, the institute is now embarking on a new chapter. In addition to KUR and KUCA, we have conducted joint research at hot laboratories, various accelerator facilities, and so on. In total, we accepted 3698 man-day researchers and students for using research facilities and for attending scientific meetings. We will continue to promote joint research by making full use of the institute's diverse and extensive range of unique facilities and specialized equipment.

We strive for safe and stable operations for nationwide use, making it our primary mission to provide scientists with the opportunity to conduct research and education. We are happy to dedicate our support to enable users to conduct significant interdisciplinary research at KURNS.

Kumatori, June 2, 2026

Ken Kurosaki Director,

KURNS