

It is a great pleasure for us to publish the KURNS Progress Report 2019. This report contains all of the accomplishments of research and related activities at Institute for Integrated Radiation and Nuclear Science, Kyoto University (KURNS) during the fiscal year 2019 from April 2019 to March 2020. 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.

It is reassuring to note that the number of applications for Joint Research are still increasing although the reactors had sustained operations for several years. We are proud since this demonstrates that researchers and students support our activity, which endorses our facilities as indispensable tools in their research activities with quantum beam and radioisotope. In the past fiscal year, KUR was operated for 849 hours and KUCA was for 774 hours. In total, we accepted 4,477 man-day researchers and students for using research facilities and for attending scientific meetings. A large number of research subjects has been enrolled, which covers various fields of nuclear science and technology, material science, radiation life science and radiation medical science. We proudly announce that the clinical trial of the boron neutron capture therapy (BNCT) has finished successfully, and it becomes a practical medical care after long-term basic researches in KUR.

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

Kumatori, June 8, 2020  
Yuji Kawabata  
Director, KURNS