RIKEN open day 2024

Y. Miyake^{*1} and O. Kamigaito^{*1}

RIKEN open day was held at the Wako campus on Saturday, October 5, 2024, in a hybrid format, incorporating both online and on-site activities. A total of 4,164 people visited the Wako campus. As in 2023, an advance reservation system was implemented and 3,585 visitors made individual reservations, while 258 visitors participated as part of group bookings. In addition, 321 visitors arrived directly at the reception desk without reservations. Sixty-one laboratories were showcased to the public on-site, compared to 46 in 2023.

As usual, the Nishina Center held a RI beam factory (RIBF) tour. A guide map of the RIBF tour is shown in Fig. 1. The world's strongest superconducting ring cyclotron and the in-flight RI beam separator (BigRIPS) were exhibited at positions 2 and 4, respectively, in Fig. 1, serving as symbolic devices of RIBF. During the basement tour, Nuclear Structure Research Group, University of Tokyo CNS, Instrumentation Development Group, KEK WNSC, Nuclear Many-body Theory Laboratory, and RHIC Physics Research Laboratory displayed their work to the public through poster displays. In the Cyclopedia, three laboratories of Nuclear Chemistry, Superheavy Element Research, and Ion Beam Breeding introduced their respec-



Fig. 1. Guide map of the RIBF tour in 2024.



Fig. 2. Photographs taken during the RIBF tour. The numbers correspond to the areas indicated in Fig. 1.

tive works. The User Liaison group led the presentation of the 3D nuclear chart constructed using LEGO bricks and opened the Yoshio Nishina Memorial room to the public. Furthermore, Instrumentation Development Group, RI Physics Group, and Nuclear Dynamics Research Group held hands-on exhibitions on the second floor and in front of the RIBF building (16, 18, and 19 in Fig. 1, respectively). Moreover, mini lectures about discovery at RIBF were held for the first time since 2019. Notably, the cosmic radiation laboratory introduced their research in the main research building.

The RIBF tour was attended by a total of 2039 visitors. The ratio of RIBF tour participants to the total number of Wako campus visitors was approximately 50%. This tour continues to be one of the highlights of the Wako RIKEN open day. We gratefully acknowledge the contributions of all those who served as tour guides, along with the safety management group, assistants, and promotion office staff for their cooperation. The next Wako RIKEN open day will be held on Saturday, October 18, 2025.

^{*1} RIKEN Nishina Center