

SPring-8

I. Introduction

SPring-8 was stably operated throughout FY2023 achieving a total accelerator complex operation time and user beam time of 5187.9 h and 4435.7 h, respectively, and a downtime of 24.2 h. SPring-8 completed all its operations by the end of February 2024.

For the contract beamlines, interim review was conducted for Advanced Batteries (BL28XU, Kyoto University). Subsequently, the project was authorized to continue. Post-evaluations of SUNBEAM BM (BL16B2, SUNBEAM Consortium) and SUNBEAM ID (BL16XU, SUNBEAM Consortium) were conducted.

At present, the number of SPring-8 users is as high as 15,000, all of whom are members of the SPring-8 Users Community (SPRUC).

To facilitate dialogue between users and facility staff, it is important for SPring-8 to organize scientific events in collaboration with SPRUC, such as the SPring-8 Symposium. In 2023, the SPring-8

Symposium was held online on September 26–27, with 489 participants. SPring-8 also facilitates communication between users and industry. The Joint Conference on Industrial Applications of SPring-8 was held in Hyogo Prefecture on September 7–8, 2023, with 221 participants. Moreover, as part of its continuous effort towards fostering human resources in synchrotron sciences, SPring-8 organized the 23rd SPring-8 Summer School with 87 students of graduate schools nationwide, in cooperation with the University of Hyogo, Kwasei Gakuin University, Okayama University, Osaka University, Ibaraki University, Japan Atomic Energy Agency, National Institutes for Quantum Science and Technology, and RIKEN. Furthermore, SPring-8 and SPRUC organized the 7th SPring-8 Autumn School with 76 participants, which included university students and corporate researchers.

