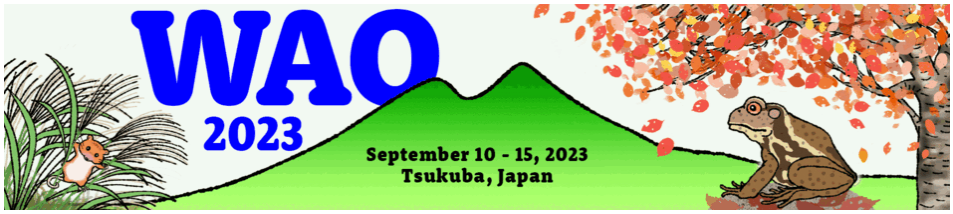

Contribution ID: **62** Type: **not specified**

PO26 - Operation and Maintenance at a Compact Synchrotron Radiation Facility SAGA-LS

Tuesday, 12 September 2023 15:10 (20 minutes)

The SAGA Light Source (SAGA-LS) is a compact synchrotron radiation facility. The SAGA-LS accelerator complex consists of a 255 MeV linac and a 1.4 GeV electron storage ring of 75.6 m in circumference. The accelerator research group is responsible for the operation and maintenance of the accelerator system. The annual operation time for synchrotron radiation experiments has been around 1700 hours. The daily operation is carried out in collaboration with SPring-8 Service Co., Ltd. Besides the routine operation for user time, the accelerators are operated for machine conditionings and studies on every Monday. In addition to the machine operation and the machine study, we are responsible for many other tasks such as radiation safety control and facility management. In recent years, we have continued efforts to identify and replace aging components. The RF cavity and the main power supplies for the ring magnets are planning to be replaced in next three years. In this workshop, we will report on the current status of accelerator operation and maintenance, as well as some examples of machine troubles.

Presenter: IWASAKI, Yoshitaka (SAGA-LS)

Session Classification: Poster / Demo Sessions