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PO27 - Current Status of UVSOR-III Synchrotron Radiation Facility

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We present the current status of UVSOR-III electron storage ring. It is a 750 MeV machine dedicated to synchrotron radiation in UV, VIS, IR and SX region, including LCS gamma-rays. We are accepting about 4,000 person-day researchers yearly from nationwide and outside Japan. The accelerator complex consists of a 15 MeV linear accelerator, a 750 MeV booster synchrotron and a storage ring of 53 m circumference, in which 6 undulators are operational. The operation time is from 9 am to 9 pm from Tuesday to Friday, including overnight bonus operation on Thursday night. All 60 hours operation is in top-up mode. Eight technical staffs with several beamline scientists are managing total 14 beamlines, while four technical staffs operate all accelerators. Most of the beamline control softwares and some of the accelerator control softwares are made in-house. UVSOR-III is reaching 40 years old and facing severe aging problems, especially of cooling water leakage from electromagnets and vacuum leakage from beam ducts. We are managing the troubles with various solutions, including partial replacement of coils, applying sealants, and so on.

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Session Classification: Poster / Demo Sessions