



UVSOR
ACTIVITY REPORT
1999

edited by
E. Shigemasa, T. Gejo, M. Hosaka, H. Hagiwara

Preface

This Activity Report covers the research activities done by over 800 users from about 60 institutions at the UVSOR facility in 1999. This is the sixth volume in the red-covered Activity Report series for the second 10 years in UVSOR, where the first SR was emitted in November 1983. The improvement and upgrade projects of monochromators and end stations are under way. Unfortunately, since 1998 we have lost 15% of the total budget for the UVSOR facility. This budget cut policy has been applied to all the facilities under the Ministry of Education, Science, Sports and Culture (Monbusho). We have to reduce the beamtime and postpone the upgrade and the UVSOR-2 projects. Now we will try to get a special budget for the upgrade of the light source of UVSOR for the third 10 years. We hope that we can start the upgrade project in 2001.

For these six years, several UVSOR staff members were changed in spite of the small number, that is, three associate professors and four research associates. In the beamline division there are only two associate professors and two research associates. In FY99 one associate professor and one research associate were changed. After Associate Prof. Toyohiko Kinoshita moved to the University of Tokyo in November 1998, we had Dr. Eiji Shigemasa as a new associate professor from the Photon Factory in May 1999. He is in charge of science for free molecules. In November 1999 Dr. Shin-ichiro Tanaka was promoted to an associate professor of Nagoya University. In April 2000 Dr. Kazutoshi Takahashi will come as a new research associate from Tohoku University. On the other hand, in the light source division there are only one associate professor and two research associates. The machine group is indispensable to maintain and upgrade the UVSOR facility and realize the UVSOR-2 project. In September 1999 we lost Associate Prof. Hiroyuki Hama, who was in charge of the UVSOR-FEL (free electron laser) and UVSOR-2 projects but moved to Tohoku University. Fortunately, in March 2000 we can have Dr. Masahiro Kato as a new associate professor, He was in charge of the upgrade of Photon Factory, and now is in charge of the upgrade of UVSOR to get lower emittance, more straight sections and sophisticated insertion devices. Furthermore, we will try to augment a full professor position in the light source division to assure to the users the best light source for a long term.

March, 2000



Nobuhiro Kosugi
Director of UVSOR