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Preface

It was in 1983 that the storage ring of IMS emitted the SR light for the first time. We celebrated the 10th anniversary of UVSOR on December 3 of 1993. I would like to express my sincere thanks to all the participants in this ceremony. During the past 10 years the number of users continues to grow with no sign of saturating . The numbers of proposals/users during FY92 are 159/840. The number of proposals grows by 7.5 % in FY93.

The improvement of the stability and life time of the SR light was attained by introducing the harmonic cavity and thinning out the bunches. Another impressive achievement was the successful experiment of Free Electron Laser in an ultraviolet region on July 5 of 1993. The oscillation of FEL in 295-305 nm region has passed the record of France and now approaching the world record of Russia.

BL5B, which had been used for the calibration of instruments by the National Institute for Fusion Science, was moved to IMS from FY93, and this beam line is used for general experiments as well. UVSOR provides 9 beam lines (BL1B, BL2B1, BL3A1, BL3A2, BL5B, BL6A1, BL7A, BL7B, and BL8A) for general users, and 9 beam lines (BL1A, BL2A, BL2B2, BL3B, BL4A, BL4B, BL6A2, BL6B, and BL8B2) for in-house groups.

I am much pleased to meet in this memorial year that two research staffs, Profs. Makoto Watanabe and Kosuke Shobatake, who had contributed to the construction of beam lines of UVSOR, were promoted to the Tohoku University and Nagoya University, respectively. I am also pleased to mention that Dr. Shin-ichi Kimura was appointed as a Research Associate of UVSOR Facility.

I would like to express my thanks to all the UVSOR staff for their incredible efforts for maintaining the machines and responding users and visitors as well as for devoting themselves to the research. I would appreciate the kind cooperation of all the users.

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Kyuya Yakushi
Director of UVSOR