



Workshops

UVSOR Workshop VII

Current Status and Applications of Insertion Devices in VUV-SX Region

27 and 28 November, 2000

27 Nov. (Mon) 13:00 – 18:00
Insertion Devices

- 13:00 - 13:15 Introduction N. Kosugi (IMS)
- 13:15 - 13:35 Fundamentals of insertion devices(1)
-- Principles of undulators and properties of undulator radiation
K. Tsuchiya (KEK-PF)
- 13:35 - 13:55 Fundamentals of insertion devices (2)
-- Modern techniques for undulators R. Tanaka (SPring-8)
- 13:55 - 14:15 Fundamentals of insertion devices (3)
-- Novel ideas on undulators T. Hara (SPring-8)
- 14:15 - 14:30 Fundamentals of insertion devices (4)
-- Effects of undulators on electron beams M. Katoh (IMS)
- 14:30 - 15:00 Present status of VUV-SX undulators at KEK-PF
K. Tsuchiya (KEK-PF)
- 15:00 - 15:30 Present status of VUV-SX undulators at SPring-8
R. Tanaka(SPring-8)
- 15:30 - 16:30 coffee break
- 16:00 - 16:15 Status of insertion devices and free electron laser in UVSOR
M. Hosaka (IMS)
- 16:15 - 16:30 Status of HiSOR undulators K. Goto (HiSOR, Hiroshima Univ.)
- 16:30 - 16:45 An overview of the insertion devices development
at NewSUBARU S. Hashimoto (LASTI, Himeji Inst. of Tech.)

- 16:45 - 17:00 Present status of the insertion devices
and free electron lasers at ETL N. Sei (ETL)
- 17:00 - 17:15 An upgrade plan for UVSOR M. Katoh (IMS)
- 17:15 - 17:30 Improvement of the straight sections at the PF ring
Y. Kobayashi (KEK-PF)
- 17:30 - 17:45 Insertion devices for the VSX light source
N. Nakamura (ISSP, Univ. of Tokyo)
- 17:45 - 18:00 Insertion devices at Tohoku university
Synchrotron Radiation Facility (TSRF) S. Sato (Tohoku Univ.)

28 Nov. (Tue) 9:00 – 12:20

Present Status of Undulator Beamlines and Their Applications

- 9:00 - 9:30 Gas phase experiments using a figure-8 undulator at SPring-8
H. Yosida (Hiroshima Univ.)
- 9:30 - 10:00 Performance of a soft x-ray helical undulator beamline
BL25SU at SPring-8 Y. Saitoh (SPring-8/JAERI)
- 10:00 - 10:30 Insertion device beamlines at Photon Factory
T. Koide (KEK-PF)
- 10:30 - 10:50 coffee break
- 10:50 - 11:20 Performance of insertion device beamline of ISSP
and experience in monochromator calibration
M. Fujisawa (ISSP, Univ. of Tokyo)
- 11:20 - 11:40 Commissioning and present status of undulator beamlines
at HiSOR K. Shimada (HiSOR, Hiroshima Univ.)
- 11:40 - 12:00 Characteristics of insertion device beamlines of UVSOR
and their evaluation M. Kamada (IMS)
- 12:00 - 12:20 Techniques for mirror cooling and beam monitoring
M. Hasumoto (IMS)

28 Nov. (Tue) 13:30 – 17:10

Experiments using Undulator Beamlines and Future Projects

- 13:30 - 14:00 Scientific targets of SX long undulator at SPring-8
T. Miyahara (Tokyo Metropolitan Univ.)
- 14:00 - 14:30 An aim of 11m undulator in NewSUBARU
M. Niibe (LASTI, Himeji Inst. of Tech.)
- 14:30 - 15:00 Study projects of 27m long undulator at the VSX light source
T. Kinoshita (ISSP, Univ. of Tokyo)
- 15:00 - 15:30 coffee break
- 15:30 - 15:50 Laser induced fluorescence spectroscopy of fragments
produced by VUV photoexcitation of gaseous molecules
K. Mitsuke (IMS)
- 15:50 - 16:10 Undulator is a dream light source for the research
of SR stimulated processes
T. Urisu (IMS)
- 16:10 - 16:30 Research on binary metal adsorbates system on the Si(111)
surface by use of insertion device beamline
K. Soda (Nagoya Univ.)
- 16:30 - 16:50 Light amplification within a nanometer-sized layer
under undulator radiation
M. Itoh (Shinshu Univ.)
- 16:50 - 17:10 Present status of soft X-ray photochemistry beamline BL27SU
H. Ohashi (JASRI)

