



Appendix

ORGANIZATION

Staff			[e-mail address]
Director			
Nobuhiro	KOSUGI	Professor	kosugi@ims.ac.jp
Scientific Staff			
Accelerator			
Hiroyuki	HAMA	Associate Professor	hama@kekvox.kek.jp
Masahito	HOSAKA	Research Associate (October 1995 -)	hosaka@ims.ac.jp
Beam Line			
Masao	KAMADA	Associate Professor	kamada@ims.ac.jp
Toyohiko	KINOSHITA	Associate Professor	toyohiko@ims.ac.jp
Atsunari	HIRAYA	Research Associate (- September 1995)	hiraya@ims.ac.jp
Shin-ichiro	TANAKA	Research Associate	stanaka@ims.ac.jp
Shin-ichi	KIMURA	Research Associate	kimura@ims.ac.jp
Technical Staff			
Kusuo	SAKAI	Section Chief Engineer (- September 1995)	ksakai@ims.ac.jp
Osamu	MATSUDO	Section Chief Engineer	matsudo@ims.ac.jp
Toshio	KINOSHITA	Unit Chief Engineer	kinosita@ims.ac.jp
Masami	HASUMOTO	Engineer	hasumoto@ims.ac.jp
Jun-ichiro	YAMAZAKI	Engineer	yamazaki@ims.ac.jp
Eiken	NAKAMURA	Engineer	eiken@ims.ac.jp
Secretary			
Hisayo	HAGIWARA		hagiwara@ims.ac.jp
Naoko	ONITAKE		onitake@ims.ac.jp
Guest Scientist			
Kazumichi	NAKAGAWA	Adjunct Associate Professor from Kobe Univ. (- March 1995)	nakagawa@kobe-u.ac.jp
Kazutoshi	FUKUI	Adjunct Associate Professor from Fukui Univ. (April 1995 -)	fukui@wbase.fuee.fukui-u.ac.jp
Yong Q.	CAI	JSPS Foreign Research Fellow (- January 1996)	ycai@ims.ac.jp
Aleksandr	LUSHCHIK	Visiting Associate Professor from Estonian Academy (October 1995 -)	alex@ims.ac.jp
Sayumi	HIROSE	JSPS Research Fellow	hirose@ims.ac.jp
Graduate Student			
Naoshi	TAKAHASHI		naoshi@ims.ac.jp
Kazuhiko	KIMURA		kmrkzhk@ims.ac.jp
Krishna G.	NATH	(January 1996 -)	nath@ims.ac.jp
Masatake	ICHIKAWA		ichikawa@ims.ac.jp

Representative of Beam Line (January 1996)

BL1A	Nobuhiro	KOSUGI	Dept. Vacuum UV Photoscience
BL2A	Toshio	IBUKI	Dept. Vacuum UV Photoscience
BL2B2	Koichiro	MITSUKE	Dept. Vacuum UV Photoscience
BL3B	Koichiro	MITSUKE	Dept. Vacuum UV Photoscience
BL4A	Tsuneo	URISU	Dept. Vacuum UV Photoscience
BL4B	Tsuneo	URISU	Dept. Vacuum UV Photoscience
BL6A2	Masao	KAMADA	UVSOR
BL6B	Kyuya	YAKUSHI	Dept. Molecular Assemblies
BL8B2	Toshio	IBUKI	Dept. Vacuum UV Photoscience
Others	Masao	KAMADA	UVSOR
	Toyohiko	KINOSHITA	UVSOR

Steering Committee (April 1995 - March 1996)

Nobuhiro	KOSUGI	IMS Chairman
Makoto	WATANABE	Tohoku Univ.
Akito	KAKIZAKI	Univ. of Tokyo
Toshio	KASUGA	KEK
Tadashi	MATSUSHITA	KEK
Toshiaki	OHTA	Univ. of Tokyo
Inosuke	KOYANO	Himeji Inst. of Technology
Kazuhiko	SEKI	Nagoya Univ.
Kazutoshi	FUKUI	Fukui Univ.
Norio	MORITA	IMS
Yoshiyasu	MATSUMOTO	IMS
Koichiro	MITSUKE	IMS
Masao	KAMADA	IMS
Toyohiko	KINOSHITA	IMS
Hiroyuki	HAMA	IMS

JOINT STUDIES (fiscal year 1995)

Special Project	: 4
Cooperative Research	: 23
Cooperative Research (Invited)	: 3
Use of Facility	: 130
Use of Facility (Private Company)	: 1
Workshop on VUV beam lines	: 1
Workshop on Beam Dynamics and Free Electron Laser	: 1
Use's time	: 37 weeks

LIST OF REPRESENTATIVES OF UVSOR USERS (fiscal year 1995)

Chiba Univ. Hino, S. Ueno, N.
Ehime Univ. Nagaoka, S.
Fukui Univ. Fukui, K. Nakagawa, H. Yamamoto, A.
Gakushuuin Univ. Arakawa, I. Kotani, M.
Gifu Univ. Hayashi, K.
Himeji Inst. of Technology Koyano, I.
Hiroshima Univ. Hiraya, A. Tanaka, K. Tabayashi, K.
Hokkaido Univ. Kawasaki, M.
Iwaki Meisei Univ. Kanda, K.
Kagawa Univ. Itoh, H. Kawase, M.
Kansai Medical Univ. Kihara, H.
Kanagawa Institute of Technology Omata, T.
Kobe Univ. Nakagawa, K. Nanba, T. Ohta, H. Okamura, E.
 Sakurai, M.
Kyoto Univ. Hayashi, T. Kan'no, K. Sato, N. Tanaka, T. Watanabe, M.
 Yoshida, S.
Kyoto Univ. of Education Murata, T.
Kyushu Univ. Takebe, H.
Maritime Safety Academy Fujita, M.
Miyazaki Univ. Kurosawa, K.
Nagoya Univ. Goto, T. Hattori, T. Morita, S. Ouchi, Y. Shobatake, K.
 Seki, K. Soda, K. Yamashita, K. Yoshida, H.
Naruto Univ. of Education Matsukawa, T.
Niigata Univ. Tokue, I.
Osaka Univ. Hiraki, A. Kinoshita, S. Kobayashi, M. Takahashi, M.
Osaka City Univ. Masuoka, T.

Osaka Electro-Commun. Univ.	Ohno, N.				
Univ. of Osaka Prefecture	Taguchi, Y.				
Osaka National Research Inst.	Fukumi, S.	Kitamura, N.			
Osaka Women's Univ.	Shimanuki, S.				
Univ. of Ryukyus	Ishiguro, E.				
RIKEN	Aoyagi, K.				
Saga Univ.	Ogawa, H.	Tanaka, S.			
Shinshu Univ.	Itoh, M.				
Tohoku Univ.	Ikezawa, M.	Takahashi, T.	Watanabe, M.		
Tohoku Gakuin Univ.	Awano, T.				
Univ. of Tokyo	Nakamura, M.	Tsuneta, S.	Yokoyama, T.		
Tokyo Inst. of Technology	Edamoto, K.	Enoki, T.	Koshihara, S.		
	Hikida, T.				
Tokyo Gakugei Univ.	Hasegawa, S.				
Tokyo Metropolitan Univ.	Nishikawa, H.				
Tottori Univ.	Ouchi, I.				
Toyohashi Univ. of Technology	Ganjoo, A.	Hanabusa, M.	Namiki, A.		
	Yoshida, A.				
Toyama Univ.	Miyazaki, H.				
Utsunomiya Univ.	Nakai, S.				
Wakayama Univ.	Miyanaga, T.				
Waseda Univ.	Ohki, M.				
Yamagata Univ.	Onishi, A.	Yoshinari, T.			
IMS	Hasegawa, S.	Hosono, H.	Ibuki, T.	Ishii, H.	Kamada, M.
	Kinoshita, T.	Kimura, S.	Kosugi, N.	Mase, K.	Mitsuke, K.
	Miyamae, T.	Ohashi, H.	Tahara, T.	Tanaka, S.	Ugawa, A.
					Urisu, T.

UVSOR workshop on present status and future plans of beam lines for soft x-ray, chemical reaction and gas phases

October 3, 1995 (at room #101, IMS)

§ 1. General features (13:00-14:00)

1. Opening remark - Future plan of the UVSOR - N. Kosugi (IMS)
2. Scrap and build of beam lines M. Kamada (IMS)
3. Present status and future plan of accelerator H. Hama (IMS)

§ 2. Soft x-ray beam line (14:00-17:30)

1. Opening remark - Problem of BL7A and future plan - T. Kinoshita (IMS)
2. Present status of double crystal monochromator beam lines at the Photon Factory and performance of YB₆₆ crystal Y. Kitajima (KEK)

15:00-15:15 coffee break

3. Present status of BL7A O. Matsudo (IMS)
4. Present status of BL1A Y. Takata (IMS)
5. Suggestion to the research work by using wiggler M. Watanabe (Tohoku Univ.)
6. Suggestion and wishes from a catalyst group H. Yoshida (Nagoya Univ.)
7. Suggestion and wishes from a spectroscopy group S. Nakai (Utsunomiya Univ.)
8. Free discussion (Remarks by N. Kosugi (IMS), S. Naoé (Kanazawa Univ.), T. Matsukawa (Naruto Univ. of Education) and M. Takahashi (Osaka Univ.))

§ 3. Scrap and build of BL7B (17:30-18:00)

H. Nakagawa (Fukui Univ.) and
K. Fukui (Fukui Univ. & IMS)

§ 4. User's meeting (18:00-19:00)

19:00- Party (at room #304, UVSOR)

October 4, 1995 (at room #101, IMS)

§ 5. Study of photochemistry in the UVSOR and future plan of BL8A (9:00-12:20)

1. Present status and future plan of soft x-ray microscopy H. Kihara (Kansai Medical Univ.)
2. Present status and future plan of study on photon echo H. Itoh (Kagawa Univ.)
3. Diamond CVD, Micromachine and application of lithography M. Hori and S. Morita (Nagoya Univ.)
4. Semiconductor process, atomic layer process, STM and use of BL3A1 A. Yoshida (Toyohashi Univ. of Tech.), H. Ogawa, M. Nishio (Saga Univ.) and K. Hayashi (Gifu Univ.)

10:20-10:40 coffee break

5. Diamond process and reconstruction plan of BL8A E. Ishiguro (Univ. of Ryukyus), K. Shobatake (Nagoya Univ. & IMS) and H. Ohashi (IMS)
6. Scrap and build of BL4A T. Urisu and Y. Tsusaka (IMS)
7. Free discussion (Remarks by K. Mase (IMS) and M. Ishii (Riken))

§ 6. Present status and future plan of beam lines of gas phases in UVSOR (13:20-16:30)

1. BL2A K. Tabayashi (Hiroshima Univ.) and K. Kanda (Iwaki Meisei Univ.)

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|---|------------------------------------|
| 2. BL3A2 | I. Koyano (Himeji Inst. of Tech.) |
| 3. BL8B1 | A. Hiraya (Hiroshima Univ.) |
| 4. BL2B2 and BL3B (in-house beam lines) | H. Yoshida and K. Mitsuke
(IMS) |
| 5. Free discussion (Remarks by Y. Tokue (Niigata Univ.), T. Hikida (Tokyo Inst. of Tech.),
S. Nagaoka (Ehime Univ.) and T. Masuoka (Osaka City Univ.)) | |

§ 7. Others

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| 1. Plan of construction of SR in Hiroshima Univ. | T. Sekitani (Hiroshima Univ.) |
|--|-------------------------------|

General meeting of UVSOR USER'S GROUP*

8 January, 1996 (at room #101, IMS)

§1. Present status and future prospects of UVSOR Facility (13:00-14:00)

a. Overview about of UVSOR Facility and IMS

1. Future plans of UVSOR and IMS
2. Present status of UVSOR - light source -
3. Present status of UVSOR - beam lines -

N. Kosugi (IMS)
H. Hama (IMS)
M. Kamada (IMS)

b. Renewal and improvements of beam lines

1. BL7B
2. BL7A
3. Beam lines for gas phase
4. BL8A

H. Nakagawa (Fukui Univ.)
T. Kinoshita (IMS)
T. Ibuki (IMS)
K. Shobatake
(Nagoya Univ. & IMS)

14:00-14:05 coffee break

§2. General assembly of UVSOR USER'S GROUP* (14:05-14:50)

a. Reports

1. Activity report for 1995
2. Status of registration for membership of UUG
3. Publication of UVSOR Users News

K. Seki (Nagoya Univ.) and
K. Fukui (Fukui Univ. & IMS)

b. Discussion

1. Future of the joint annual meeting of the Japanese Society for Synchrotron Radiation Research and synchrotron radiation facilities
2. Preparation for the Articles of UUG

§3. Others

*: The official English name of this group is not yet fixed.

LIST OF PUBLICATIONS (1995)

- 1) "Ultraviolet Photoelectron Spectroscopy of Alkali-Metal Doped Polyacetylene"
T. Miyamae, K. Kamiya, S. Hasegawa, K. Seki, C. Tanaka and J. Tanaka
Bull. Chem. Soc. Jpn. **68** (1995) 1897-1903.
- 2) "Optical Studies of Excitons in Mica Crystals"
N. Ohno, Y. Kiyama and M. Itoh
SPIE **2362** Excitonic Processes in Condensed Matter (1995) 202-211.
- 3) "Optical Properties of Gallium Iodide"
N. Ohno and M. Itoh
SPIE **2362** Excitonic Processes in Condensed Matter (1995) 212-218.
- 4) "The Investigation of Electronic Structure in FeSi by Optical Measurements"
H. Ohta, S. Kimura, S. V. Halilov, T. Nanba and M. Motokawa
J. Magn. Magn. Mater. **140-144** (1995) 121-122.
- 5) "Optical Spectra of CeAs and LaAs"
S. Kimura, F. Arai, Y. Haga, T. Suzuki and M. Ikezawa
Physica B **206&207** (1995) 780-782.
- 6) "Core Electron Absorption Spectra of Poly (ethylene terephthalate) and Poly (ethylene 2,6 - naphthalate) Films"
I. Ouchi, I. Nakai, M. Kamada, S. Tanaka and T. Hagiwara
Polym. J. **27** (1995) 127-135.
- 7) "Monochromator for Circularly Polarized Synchrotron Radiation in the Energy Range of 5-250eV"
M. Kamada, K. Sakai, S. Tanaka, S. Ohara, S. Kimura, A. Hiraya, M. Hasumoto, K. Nakagawa,
K. Ichikawa, K. Soda, K. Fukui, Y. Fujii and E. Ishiguro
Rev. Sci. Instrum. **66** (1995) 1537-1539.
- 8) "Far Infrared Transmission of SmTe under High Pressure"
Y. S. Kwon, T.S. Park, J. M. Kim, K. S. An, I.S. Jeon, C. Y. Park, S. Kimura, T. Nanba, T. Matsumura
and T. Suzuki
Physica B **206&207** (1995) 389-391.
- 9) "Observation of Micro-Macro Temporal Structure and Saturation Mechanism on the UVSOR Free Electron Laser"
H. Hama, J. Yamazaki, T. Kinoshita, K. Kimura and G. Isoyama
Nucl. Instrum. & Meth. in Phys. Res. A **358** (1995) 365-368.
- 10) "Site-Specific Fragmentation Following Si:2p Core-Level Photoexcitation of F₃SiCH₂Si(CH₃)₃ in the Vapor Phase"
S. Nagaoka, J. Ohshita, M. Ishikawa, K. Takano, U. Nagashima, T. Takeuchi and I. Koyano
J. Chem. Phys. **102** (1995) 6078-6087.
- 11) "Second-Harmonic Generation from Electrically Poled SiO₂ Glasses: Effects of OH Concentration, Defects, and

Poling Conditions"

H. Nasu, H. Okamoto, K. Kurachi, J. Matsuoka, K. Kamiya, A. Mito and H. Hosono
J. Opt. Soc. Am. B **12** (1995) 644-649.

12) "Status of the UVSOR Facility-1994"

M. Kamada and H. Hama
Rev. Sci. Instrum. **66** (1995) 2362-2364.

13) "Dissociative Photoionization of Bis (dimethyl - μ - isopropylamido - aluminum) and Bis (dimethyl - μ - t - butylamido - aluminum) in the Region $h\nu = 65 - 133\text{eV}$ by Mass Spectrometry"

S. M. Park, B. H. Boo, Y. Kim, J. Park and I. Koyano
Jpn. J. Appl. Phys. **34** (1995) L933-L936.

14) "Dissociative Double Ionization Following Valence and Si:2p Core Level Photoexcitation of SiCl₄ in the Range 38-133eV"

B. H. Boo, S. M. Park and I. Koyano
J. Phys. Chem. **99** (1995) 13362-13367.

15) "Study of Dehydration of Magnesium Hydroxide"

T. Yoshida, T. Tanaka, H. Yoshida, T. Funabiki, S. Yoshida and T. Murata
J. Phys. Chem. **99** (1995) 10890-10896.

16) "Adsorption of K on NbC(100): Photoemission and Thermal Desorption Study"

K. Ozawa, T. Anazawa, S. Tokumitsu, R. Sekine, E. Miyazaki, K. Edamoto, S. Tanaka and S. Otani
Surf. Sci. **336** (1995) 93-100.

17) "Gracefully-Degraded Operationable Control System for the UVSOR Synchrotron Radiation Source and Its Operational Experience"

N. Kanaya, H. Hama, J. Yamazaki, O. Matsudo and G. Isoyama
Nucl. Instrum. & Meth. in Phys. Res. A **352** (1994) 166-169.

18) "Photoelectron Spectra of Higher Fullerenes and Their Potassium Complexes"

S. Hino, K. Kikuchi and Y. Achiba
Synthetic Metals **70** (1995) 1337-1340.

19) "Some Characteristics of a Solid State Detector in the Soft X-ray Region"

K. Torii, H. Tsunemi, E. Miyata and K. Hayashida
Nucl. Instr. & Meth. in Phys. Res. A **361** (1995) 364-371.

20) "Correlation between the Spin State and Structure of Self-Trapped Excitons in Alkali Halides"

T. Matsumoto, M. Shirai and K. Kan'no
J. Phys. Soc. Jpn. **64** (1995) 291-301.

21) "Time-Resolved Spectroscopic Study on the Type I Self-Trapped Excitons in Alkali Halide Crystals: II. Excitation Spectra and Relaxation Processes"

T. Matsumoto, M. Shirai and K. Kan'no

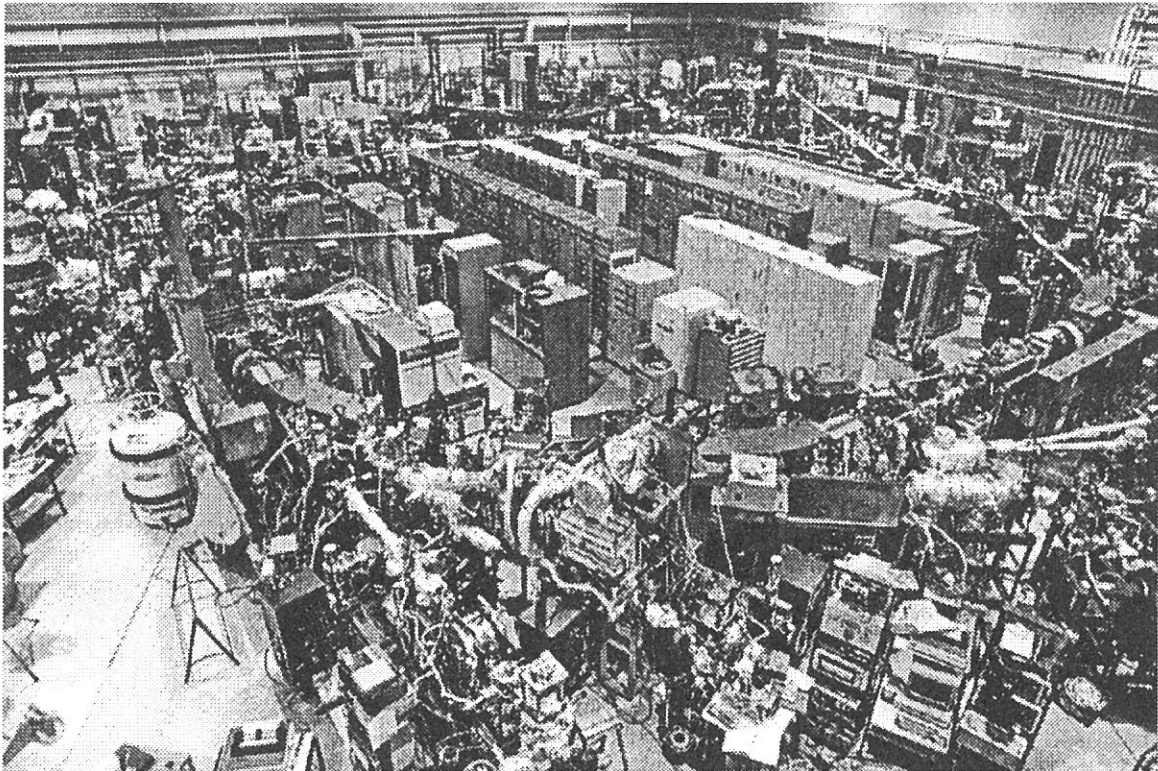
- J. Phys. Soc. Jpn. **64** (1995) 987-1001.
- 22) "Photoluminescence Properties of ZnTe Layers Grown by Photo-assisted Metalorganic Vapor Phase Epitaxy"
S. I. Gheyas, M. Ikejiri, T. Ogata, H. Ogawa and M. Nishio
J. Cryst. Growth **145** (1995) 576-581.
- 23) "Growth of Low-Resistivity n-Type ZnTe by Metalorganic Vapor Phase Epitaxy"
H. Ogawa, G. S. Irfan, H. Nakayama, M. Nishio and A. Yoshida
Jpn. J. Appl. Phys. **33** (1994) L980-L982.
- 24) "Optical and Photoelectrical Studies of Electronic Structure of $R_3Au_3Sb_4$ (R=La, Ce and Pr)"
S. Kimura, Y. Sato, F. Arai, M. Ikezawa, M. Kamada, K. Katoh and M. Kasaya
J. Phys. Soc. Jpn. **64** (1995) 4278-4288.
- 25) "Photoemission Studies on Valence Band Structure of $AgSbO_3$ "
M. Yasukawa, H. Hosono, N. Ueda and H. Kawazoe
Solid State Commun. **95** (1995) 399-403.
- 26) "Photoluminescence Study of Defects in Ion-Implanted Thermal SiO_2 Films"
H. Nishikawa, E. Watanabe, D. Ito, M. Takiyama, A. Ieki and Y. Ohki
J. Appl. Phys. **78** (1995) 842-846.
- 27) "Electronic States and Energy Transfer in PbI_2 Clusters Dispersed in CdI_2 Crystals"
P. Gu, M. Watanabe and T. Hayashi
J. Phys. Soc. Jpn. **64** (1995) 4450-4460.
- 28) "Dynamics of Photon-Stimulated Desorption of Excited-State Alkali Atoms from Alkali Halides"
S. Hirose and M. Kamada
J. Phys. Soc. Jpn. **64** (1995) 4434-4441.
- 29) "Ultraviolet-Radiation-Induced Chemical Reactions Through One- and Two- Photon Absorption Processes in GeO_2 - SiO_2 Glasses"
J. Nishii, N. Kitamura and H. Yamanaka
Opt. Lett. **20** (1995) 1184-1186.
- 30) "High-Rate Anisotropic Ablation and Deposition of Polytetrafluoroethylene Using Synchrotron Radiation Process"
M. Inayoshi, M. Ikeda, M. Hori, T. Goto, M. Hiramatsu and A. Hiraya
Jpn. J. Appl. Phys. **34** (1995) 1675-1677.
- 31) "Synchrotron-Radiation-Excited Growth of ZnTe by Alternating Gas Supply Using Metalorganic Sources"
T. Ogata, S. I. Gheyas, H. Ogawa and M. Nishio
Jpn. J. Appl. Phys. **34** (1995) L841-L844.
- 32) "Synchrotron Radiation Excited Growth of ZnTe Using Metalorganic Sources"
T. Ogata, S. I. Gheyas, M. Ikejiri, H. Ogawa and M. Nishio

- J. Cryst. Growth **146** (1995) 587-591.
- 33) "Construction of a System for Noxel Low-Temperature Growth of II-VI Compound Semiconductors Using Synchrotron Radiation"
T. Ogata, M. Ikejiri, S. I. Gheyas, H. Ogata and M. Nishio
Rev. Sci. Instrum. **66** (1995)1086-1089.
- 34) "Synchrotron-Radiation-Assisted Surface Processes of Diethylzinc on GaAs (100)"
S. I. Gheyas, T. Ogata, M. Nishio, T. Urisu and H. Ogawa.
Jpn. J. Appl. Phys. **34** (1995) 6886-6893.
- 35) "Low-Temperature Deposition of II-VI Compound Semiconductors by Synchrotron Radiation Using Metalorganic Sources"
T. Ogata, S. I. Gheyas, H. Ogawa and M. Nishio
Thin Solid Films **266** (1995) 168-172.
- 36) "Features of Valence Band of TlAlF₄"
H. Mizoguchi, T. Omata, H. Kawazoe, S. Fujitsu, H. Hosono and N. Ueda
J. Phys.: Condens. Matter **8** (1996) 303-312.
- 37) "Formation and Optical Absorption Spectra of Mixed Valence State of TI in Ti₂Nb₂O_{6+x} with Pyrochlore Structure"
H. Mizoguchi, H. Kawazoe, T. Ueda, S. Hayashi, H. Hosono and N. Ueda
Bull. Chem. Soc. Jpn. **69** (1996) 111-115.
- 38) "Reductive Deposition of Cu on Porous Silicon from Aqueous Solutions: An X-ray Absorption Study at the Cu L_{3,2} Edge"
T. K. Sham, I. Coulthard, J. W. Lorimer, A. Hiraya and M. Watanabe
Chem. Mater. **6** (1994) 2085-2091.
- 39) "Electron and X-ray Fluorescence Yield Measurements of the Cu L_{2,3}-edge X-ray Absorption Fine Structures: A Comparative Study"
A. Hiraya, M. Watanabe and T. K. Sham
Rev. Sci. Instrum. **66** (1995) 1528-1530.
- 40) "Performance Check of β- alumina as a Soft X-ray Monochromator Crystal"
A. Hiraya, K. Matsuda, Y. Hai and M. Watanabe
Rev. Sci. Instrum. **66** (1995) 2102-2103.
- 41) "Construction of Constant-deviation Constant-length Spherical Grating Monochromator at UVSOR"
A. Hiraya, E. Nakamura, M. Hasumoto, T. Kinoshita, E. Ishiguro and M. Watanabe
Rev. Sci. Instrum. **66** (1995) 2104-2106.
- 42) "Radiative Transitions in Solid C₆₀ under UV Laser and VUV synchrotron Radiation"
M. A. Terekhin, N. Yu. Svechnikov, A. A. Kolmakov, V. G. Stankevitch, V. A. Stepanov,
V. N. Bezmelnitsin, M. Kamada, S. Tanaka, K. Kan'no, M. Ashida and T. Matsumoto

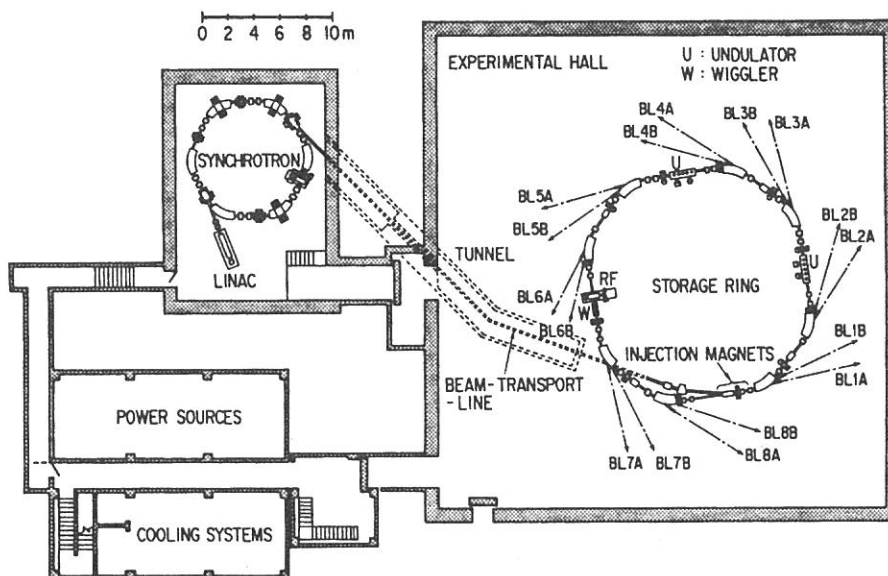
- 43) "Effect of Quenching Processes on the Decay of Fast Luminescence from Barium Fluoride Excited by VUV Synchrotron Radiation"
M. A. Terekhin, A. N. Vasil'ev, M. Kamada, E. Nakamura and S. Kubota
Phys. Rev. B **52** (1995) 3117-3121.
- 44) "Refractive Index Change in Al⁺-Ion-Implanted Silica Glass"
K. Fukumi, A. Chayahara, N. Kitamura, J. Nishii, K. Kadono, M. Makihara, K. Fujii and J. Hayakawa
J. Appl. Phys. **79** (1996) 1060-1064.
- 45) "Absorption Spectrum of C₆₀ in the Gas Phase: Autoionization Via Core-excited Rydberg States"
H. Yasumatsu, T. Kondow, H. Kitagawa, K. Tabayashi and K. Shobatake
J. Chem. Phys. **104** (1996) 899-902.
- 46) "Photo-Desorption and Some Application with SR"
M. Kamada
J. China Univ. Sci. Tech. **25** (1995) 15-17.

in Japanese

- 1) "Phase Transition of Microcrystals by Infrared Spectroscopy"
T. Nanba
The Review of High Pressure Science and Technology **4** (1995) 62-67.
- 2) "Studies on properties of matter in supercritical state; Mainly on the photoionization mechanisms"
K. Nakagawa
Molecular Electronics and Bioelectronics **5** (1994) 263-272.
Division of Molecular Electronics and Biomechanics, The Japanese Society of Applied Physics.

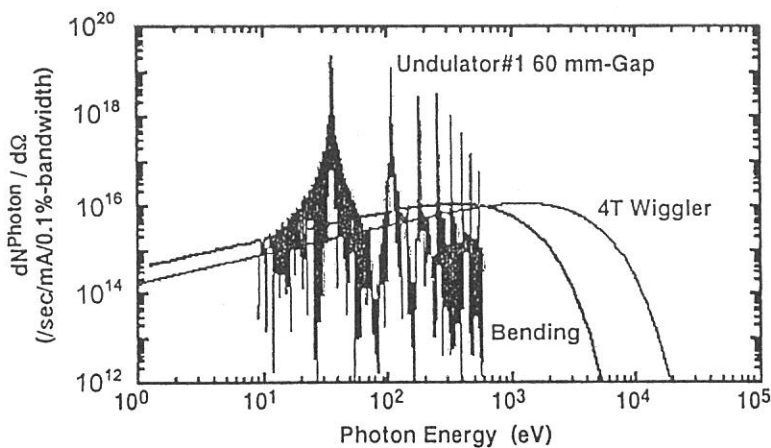
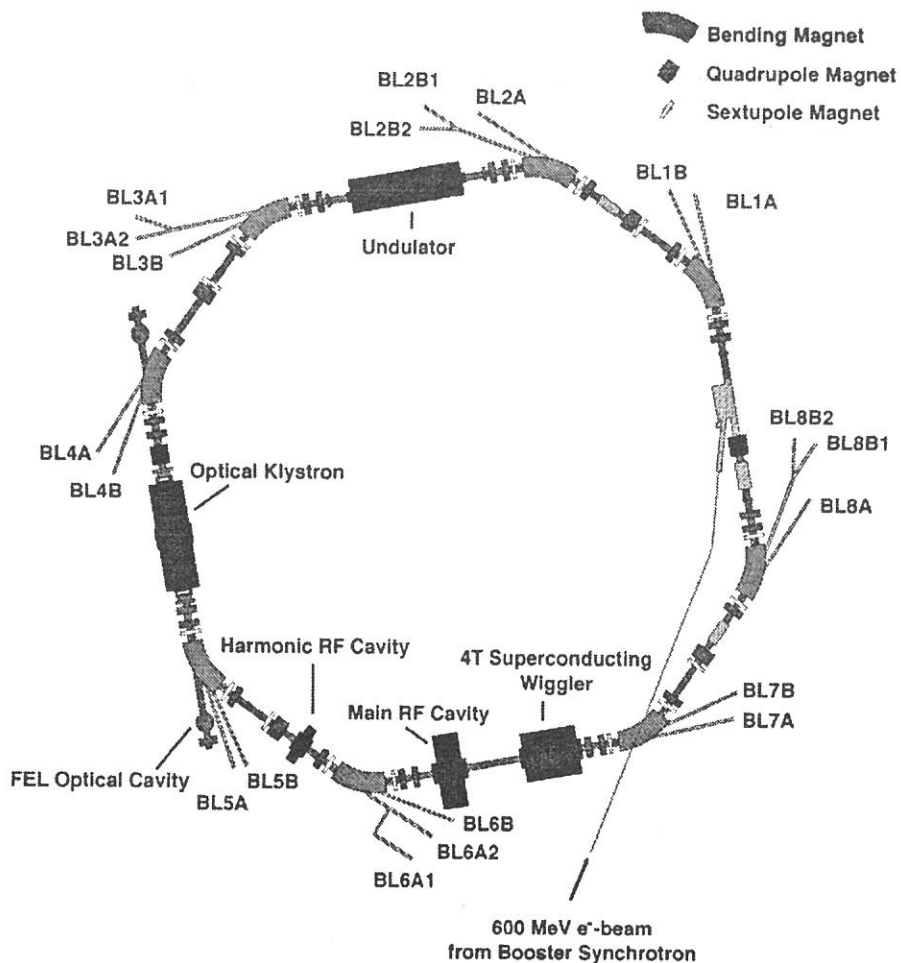


A picture of the experimental hall of the UVSOR facility.



Ground plan of the basement of the UVSOR facility.

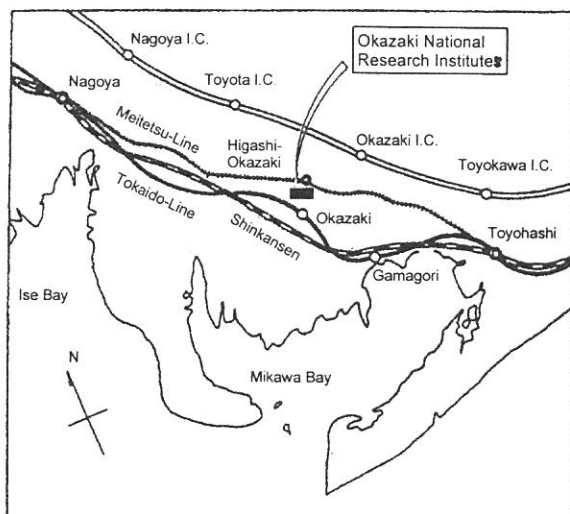
The UVSOR 750 MeV Storage Ring



On-Axis Photon Intensity with 750 MeV-Electrons

LOCATION

Ultraviolet Synchrotron Orbital Radiation (UVSOR) Facility, Institute for Molecular Science (IMS) is located at Okazaki. Okazaki (population 320,000) is 260 km southwest of Tokyo, and can be reached by train in about 3 hours from Tokyo via New Tokaido Line (Shinkansen) and Meitetsu Line.



ADDRESS

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