

Appendices

Organization

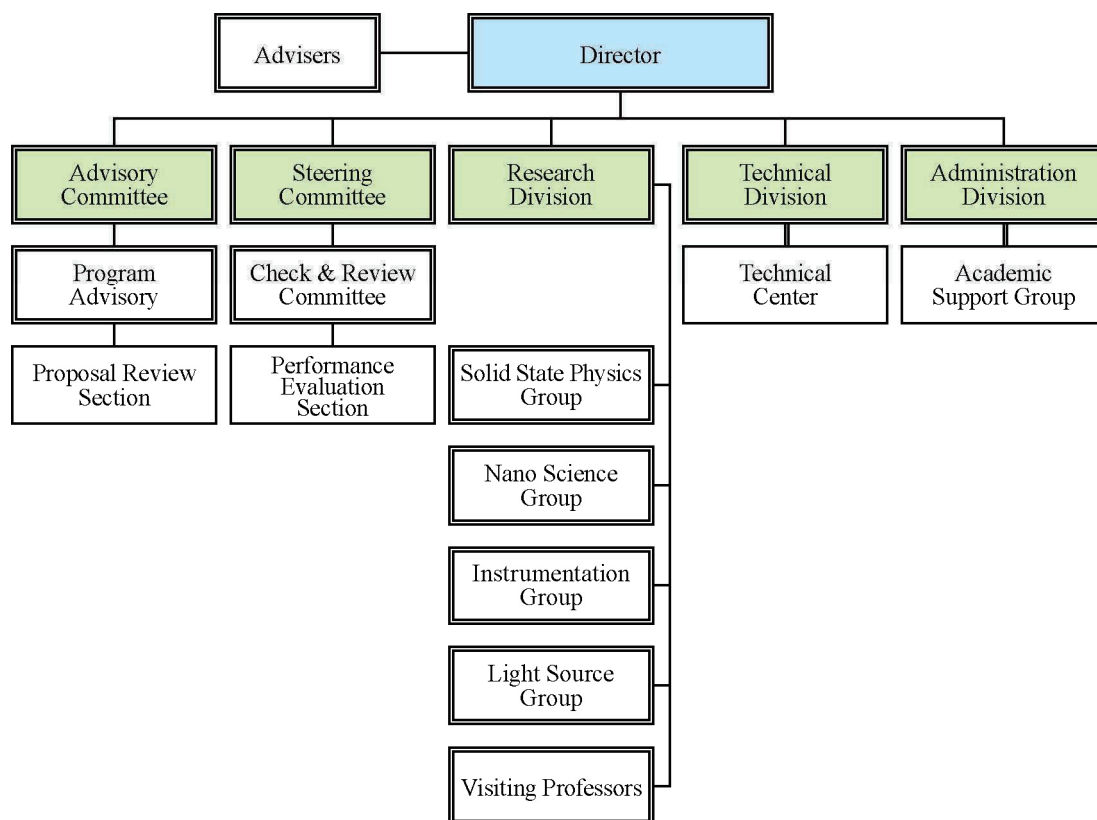


Fig. 1: Organization chart of HiSOR

Director

NAMATAME, Hirofumi Hiroshima Synchrotron Radiation Center, HiSOR

Adviser

OHTA, Toshiaki	Ritsumeikan University
	Emeritus Professor, The University of Tokyo
SATO, Shigeru	Emeritus Professor, Tohoku University
KAKIZAKI, Akito	Tokuba Institute of Science and Technology
	Emeritus Professor, The University of Tokyo

Staff Members

NAMATAME, Hirofumi	Director, Professor
SHIMADA, Kenya	Vice Director, Professor
KIMURA, Akio	Vice Director, Professor (Graduate School of Science)
TANIGUCHI, Masaki	Professor (Special Appointment)
SATO, Hitoshi	Associate Professor
OKUDA, Taichi	Associate Professor
SAWADA, Masahiro	Associate Professor
MATSUO, Koichi	Associate Professor
KAWASE, Keigo	Associate Professor
INO, Akihiro	Associate Professor (Special Appointment)
MIYAMOTO, Kouji	Assistant Professor
SCHWIER Eike Fabian	Assistant Professor
IZUMI, Yudai	Assistant Professor
MATSUBA, Shunya	Assistant Professor
IWASAWA, Hideaki	Assistant Professor (Special Appointment)
GOTO, Kiminori	Engineer
ARITA, Masashi	Engineer
HORI, Toshitada	Visiting Professor
KATO, Ryukou	Visiting Professor
GEKKO, Kunihiro	Visiting Professor
UEDA, Yoshifumi	Visiting Professor
SAKAMOTO, Kazuyuki	Visiting Professor
MATSUDA, Iwao	Visiting Associate Professor
MIMURA, Kojiro	Visiting Associate Professor
FUJIMORI, Shin-ichi	Visiting Associate Professor
HOESCH, Moritz	Visiting Research Scholar
KUMAR, Shiv	Visiting Researcher
MURAYAMA, Tomoko	Technical Staff
OONISHI, Sumito	Supervisor, Academic Support Group
SHINNO, Naoko	Secretary
SHIMOKUBO, Harumi	Secretary

Steering Committee

NAMATAME, Hirofumi*	HiSOR
SHIMADA, Kenya	HiSOR
KIMURA, Akio	HiSOR, Graduate School of Science
TANIGUCHI, Masaki	HiSOR
SATO, Hitoshi	HiSOR

OKUDA, Taichi	HiSOR
SAWADA, Masahiro	HiSOR
INUI, Masanori	Graduate School of Integrated Arts and Sciences
MARUYAMA, Hiroshi	Graduate School of Science
KURIKI, Masao	Graduate School of Advanced Science of Matter
HAYAKAWA, Shinjiro	Graduate School of Engineering
UENO, Satoshi	Graduate School of Biosphere Science
MATOKA, Yasuyuki	Graduate School of Biomedical Science
AIURA, Yoshihiro	Advanced Industrial Science and Technology
FUJIMORI, Atsushi	The University of Tokyo
OHTA, Toshiaki	Ritsumeikan University

**Chair Person*

Check & Review Committee

SATO, Hitoshi*	HiSOR
SHIMADA, Kenya	HiSOR
KIMURA, Akio	HiSOR, Graduate School of Science
TANIGUCHI, Masaki	HiSOR
OKUDA, Taichi	HiSOR
SAWADA, Masahiro	HiSOR
MATSUO, Koichi	HiSOR
KAWASE, Keigo	HiSOR
SAKAGUCHI, Koji	Academic Support Group
OONISHI, Sumito	Academic Support Group

**Chair Person*

Advisory Committee

KIMURA, Akio*	HiSOR, Graduate School of Science
NAMATAME, Hirofumi	HiSOR
SHIMADA, Kenya	HiSOR
SATO, Hitoshi	HiSOR
OKUDA, Taichi	HiSOR
SAWADA, Masahiro	HiSOR
MATSUO, Koichi	HiSOR
KAWASE, Keigo	HiSOR
KUROIWA, Yoshihiro	Graduate School of Science
HIRAYA, Atsunari	Graduate School of Science
AIURA, Yoshihiro	National Institute of Advanced Industrial Science and Technology
YOKOYA, Takayoshi	Okayama University

FUJIMORI, Atsushi	The University of Tokyo
QIAO, Shan	Shanghai Institute of Applied Physics, Chinese Academy of Sciences, China
SODA, Kazuo	Nagoya University
SHIN, Shik	The University of Tokyo
KATOH, Masahiro	National Institutes of Natural Sciences
NAMBA, Hidetoshi	Ritsumeikan University
HIRAI, Yasuharu	Kyushu Synchrotron Light Research Center
TOBIYAMA, Makoto	High Energy Accelerator Research Organization

**Chair Person*

Program Advisory Committee

SHIMADA, Kenya*	HiSOR
KIMURA, Akio	HiSOR, Graduate School of Science
SATO, Hitoshi	HiSOR
OKUDA, Taichi	HiSOR
SAWADA, Masahiro	HiSOR
MATSUO, Koichi	HiSOR
HAYAKAWA, Shinjiro	Graduate School of Engineering
SAITOH, Tomohiko	Tokyo University of Science
AMEMIYA, Kenta	High Energy Accelerator Research Organization
SAKAMOTO, Kazuyuki	Chiba University
YAGI, Shinya	Nagoya University
FUJIMORI, Shin-Ichi	Japan Atomic Energy Agency
MIZOKAWA, Takashi	Waseda University
MAKI, Yasuyuki	Gunma University

**Chair Person*

Visiting Scientists

SUMIDA, Hirosuke	Technical Research Center, Mazda Motor Co.
SENBA, Shinya	Ube National College of Technology
YOKOYA, Takayoshi	Okayama University
MURAOKA, Yuji	Okayama University
WAKITA, Takanori	Okayama University
TERASHIMA, Kensei	Okayama University
YAGI, Shinya	Nagoya University
AIURA, Yoshihiro	Advanced Industrial Science and Technology
HAPPO, Naohisa	Hiroshima City University
QIAO, Shan	Shanghai Institute of Applied Physics, Chinese Academy of

	Sciences, China
FENG, Donglai	Fudan University, China
XINGJIANG Zhou	Institute of Physics, Chinese Academy of Sciences, China
DONATH, Markus	University of Münster, Germany
SCHÖNHENSE, Gerd	University of Mainz, Germany

Cooperative Research Staffs (Faculty Members)

INUI, Masanori	Faculty of Integrated Arts and Sciences
HIRAYA, Atsunari	Graduate School of Science
MARUYAMA, Hiroshi	Graduate School of Science
KUROIWA, Yoshihiro	Graduate School of Science
KIMURA, Akio	Graduate School of Science
SEKITANI, Tetsuji	Graduate School of Science
OKADA, Kazumasa	Graduate School of Science
NAKAJIMA, Nobuo	Graduate School of Science
MORIYOSHI, Chikako	Graduate School of Science
YOSHIDA, Hiroaki	Graduate School of Science
WADA, Shin-ichi	Graduate School of Science
ISHIMATSU, Naoki	Graduate School of Science
MAGOME, Eisuke	Graduate School of Science
TAKABATAKE, Toshiro	Graduate School of Advanced Sciences of Matter
TANAKA, Arata	Graduate School of Advanced Sciences of Matter
SASAKI, Gen	Graduate School of Engineering
HAYAKAWA, Shinjiro	Graduate School of Engineering
UENO, Satoshi	Faculty of Applied Biological Science
MATOKA, Yasuyuki	Graduate School of Biomedical Science

List of Publications

Metal–semiconductor transition concomitant with a structural transformation in tetrahedrite $\text{Cu}_{12}\text{Sb}_4\text{S}_{13}$

H. I. Tanaka, K. Suekuni, K. Umeo, T. Nagasaki, H. Sato, G. Kutluk, E. Nishibori, H. Kasai, T. Takabatake
Journal of the Physical Society of Japan **85**, 14703 (2016)

Preparation of TaO_2 thin films using NbO_2 template layers by a pulsed laser deposition technique

Y. Muraoka, Y. Fujimoto, M. Kameoka, Y. Matsuura, M. Sunagawa, K. Terashima, T. Wakita, T. Yokoya
Thin Solid Films **599**, 125 (2016)

Magnetic proximity effects between single-layer Mn-doped titania nanosheets and Fe overlayers

N. Saitou, Y. Hirano, M. Sawada, H. Namatame, M. Taniguchi, T. Taniguchi, Y. Matsumoto, M. Hara
Journal of the Physical Society of Japan **85**, 035002 (2016)

Suppression of the antiferromagnetic pseudogap in the electron-doped high-temperature superconductor by protect annealing

M. Horio, T. Adachi, Y. Mori, A. Takahashi, T. Yoshida, H. Suzuki, L. C. C. Ambolode II, K. Okazaki, K. Ono, H. Kumigashira, H. Anzai, M. Arita, H. Namatame, M. Taniguchi, D. Ootsuki, K. Sawada, M. Takahashi, T. Mizokawa, Y. Koike, A. Fujimori
Nature Communications **7**, 10567 (2016)

Layer-dependent quantum cooperation of electron and hole states in the anomalous semimetal WTe_2

P. K. Das, D. Di Sante, I. Vobornik, J. Fujii, T. Okuda, E. Bruyer, A. Gyenis, B. E. Feldman, J. Tao, R. Ciancio, G. Rossi, M. N. Ali, S. Picozzi, A. Yadzani, G. Panaccione, R. J. Cava
Nature Communications **7**, 10847 (2016)

Conformation of membrane-bound proteins revealed by vacuum-ultraviolet circular-dichroism and linear-dichroism spectroscopy

K. Matsuo, Y. Maki, H. Namatame, M. Taniguchi, K. Gekko
Proteins **84**, 349 (2016)

Mechanisms of solidification and subsequent embrittlement of dephosphorization slag used in a subtidal zone as an alternative to sea sand and prevention of solidification by adding dredged soil

H. Yano, T. Okuda, S. Nakai, W. Nishijima, T. Tanimoto, S. Asaoka, S. Hayakawa, S. Nakashima
Clean Technologies and Environmental Policy **18**, 1167 (2016)

Orbital-symmetry-selective spin characterization of Dirac-cone-like state on $\text{W}(110)$

K. Miyamoto, H. Wortelen, H. Mirhosseini, T. Okuda, A. Kimura, H. Iwasawa, K. Shimada, J. Henk, M. Donath
Physical Review B **93**, 161403(R) (2016)

Electronic structures of $\text{Pd}_{30}\text{Pt}_{17.5}\text{Cu}_{32.5}\text{P}_{20}$ bulk metallic glass

S. Hosokawa, H. Sato, M. Nakatake, N. Nishiyama
Physica Status Solidi (B) **253**, 676 (2016)

Electronic structure, Dirac points and Fermi arc surface states in three-dimensional Dirac semimetal Na_3Bi from angle-resolved photoemission spectroscopy

A. Liang, C. Chen, Z. Wang, Y. Shi, Ya Feng, H. Y. Z. Xie, S. He, J. He, Y. Peng, Y. Liu, D. Liu, C. Hu, L. Zhao, G. Liu, X. Dong, J. Zhang, M. Nakatake, H. Iwasawa, K. Shimada, M. Arita, H. Namatame, M. Taniguchi, Z. Xu, C. Chen, H. Weng, X. Dai, Z. Fang, X.-J. Zhou
Chinese Physica B **25**, 77101 (2016)

The symmetry-resolved electronic structure of $2\text{H-WSe}_2(0001)$

I. Tanabe, T. Komesu, D. Le, T. B. Rawal, E. F. Schwier, M. Zheng, Y. Kojima, H. Iwasawa, K. Shimada, T. S. Rahman, P. A. Dowben
Journal of Physics: Condensed Matter **26**, 345503 (2016)

Observation of a hidden hole-like band approaching the Fermi level in K-doped iron selenide superconductor

M. Sunagawa, K. Terashima, T. Hamada, H. Fujiwara, T. Fukura, A. Takeda, M. Tanaka, H. Takeya, Y. Takano, M. Arita, K. Shimada, H. Namatame, M. Taniguchi, K. Suzuki, H. Usui, K. Kuroki, T. Wakita, Y. Muraoka, T. Yokoya
Journal of the Physical Society of Japan **85**, 73704 (2016)

Photoelectron spin polarization in the $\text{Bi}_2\text{Te}_3(0001)$ topological insulator: Initial- and final-state effects in the photoemission process

C. Seibel, J. Braun, H. Maass, H. Bentmann, J. Minar, T. V. Kuznetsova, K. A. Kokh, O. E. Tereshchenko, T. Okuda, H. Ebert, F. Reinert
Physical Review B **93**, 245150 (2016)

Secondary structure prediction of protein constructs using random incremental truncation and vacuum-ultraviolet CD spectroscopy

M. Pukancsik, A. Orban, K. Nagy, K. Matsuo, K. Gekko, D. Maurin, D. Hart, I. Kezsmarki, B. G. Vertessy
PLOS ONE **11**, e0156238 (2016)

Structure change from β -strand and turn to α -helix in histone H2A-H2B induced by DNA damage response

Y. Izumi, K. Fujii, F. Wien, C. Houee-Levin, S. Lacombe, D. Salado-Leza, E. Porcel, R. Masoud, S. Yamamoto, M. Refregiers, MAH du Penhoat, A. Yokoya
Biophysical Journal **111**, 69 (2016)

Exchange coupling and spin structure in cobalt-on-chromia thin films

R. Choudhary, T. Komesu, P. Kumar, P. Manchanda, K. Taguchi, T. Okuda, K. Miyamoto, P. A. Dowben, R. Skomski, A. Kashyap
Europhysics Letters **115**, 17003 (2016)

Doping- and momentum-dependent superconducting gap of bilayer cuprate $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ revealed using low-energy ARPES

H. Anzai, M. Arita, H. Namatame, M. Taniguchi, M. Ishikado, K. Fujita, S. Ishida, S. Uchida, A. Ino
Advances in Engineering Research **85**, 579 (2016)

Nonvortical Rashba spin structure on a surface with C_{1h} symmetry

E. Annese, T. Kuzumaki, B. Muller, Y. Yamamoto, H. Nakano, H. Kato, A. Araki, M. Ohtaka, T. Aoki, H. Ishikawa, T. Hayashida, J. R. Osiecki, K. Miyamoto, Y. Takeichi, A. Harasawa, K. Yaji, T. Shirasawa, K. Nittoh, W. Yang, K. Miki, T. Oda, H. W. Yeom, K. Sakamoto
Physical Review Letters **117**, 16803 (2016)

Nodal gap energy in high- T_c cuprate superconductors: A new paradigm

H. Anzai, M. Arita, H. Namatame, M. Taniguchi, M. Ishikado, K. Fujita, S. Ishida, S. Uchida, A. Ino
Advances in Engineering Research **85**, 495 (2016)

Surface electronic structure of hybrid organo lead bromide perovskite single crystals

T. Komesu, X. Huang, T. R. Paudel, Y. B. Losovyj, X. Zhang, E. F. Schwier, Y. Kojima, M. Zheng, H. Iwasawa, K. Shimada, M. I. Saidaminov, D. Shi, A. Abdelhady, O. M. Bakr, S. Dong, E. Y. Tsymbal, P. A. Dowben
Journal of Physical Chemistry C **120**, 21710 (2016)

Surface Kondo Effect and Non-Trivial Metallic State of the Kondo Insulator YbB_{12}

K. Hagiwara, Y. Ohtsubo, M. Matsunami, S. Ideta, K. Tanaka, H. Miyazaki, J. Rault, P. Le Fevre, F. Bertran, A. Taleb-Ibrahimi, R. Yukawa, M. Kobayashi, K. Horiba, H. Kumigashira, K. Sumida, T. Okuda, F. Iga, S. Kimura
Nature Communications **7**, 12690 (2016)

Phonon-assisted indirect transitions in angle-resolved photoemission spectra of graphite and graphene

P. Ayria, S. Tanaka, A. R. T. Nugraha, M. S. Dresselhaus, R. Saito
Physical Review B **94**, 75429 (2016)

Localized and mixed valence state of Ce 4f in superconducting and ferromagnetic $\text{CeO}_{1-x}\text{F}_x\text{BiS}_2$ revealed by x-ray absorption and photoemission spectroscopy

T. Sugimoto, D. Ootsuki, E. Paris, A. Iadecola, M. Salome, E. F. Schwier, H. Iwasawa, K. Shimada, T. Asano, R. Higashinaka, T. D. Matsuda, Y. Aoki, N. L. Saini, T. Mizokawa
Physical Review B **94**, 081106(R) (2016)

Beam commissioning of a superconducting rotating-gantry for carbon-ion radiotherapy

Y. Iwata, T. Fujimoto, S. Matsuba, T. Fujita, S. Sato, T. Furukawa, Y. Hara, K. Mizushima, Y. Saraya, R. Tansho, N. Saotome, T. Shirai, K. Noda
Nuclear Instruments and Methods in Physics A **834**, 71 (2016)

Phonon-dressed two-dimensional carriers on the ZnO surface

R. Yukawa, K. Ozawa, S. Yamamoto, H. Iwasawa, K. Shimada, E. F. Schwier, K. Yoshimatsu, H. Kumigashira, H. Namatame, M. Taniguchi, I. Matsuda
Physical Review B **94**, 165313 (2016)

Pressure-induced phase transition in LaCo_5 studied by x-ray emission spectroscopy, x-ray diffraction, and density functional theory

H. Yamaoka, Y. Yamamoto, E. F. Schwier, N. Tsujii, M. Yoshida, Y. Ohta, H. Sakurai, J.-F. Lin, N. Hiraoka, H. Ishii, K.-D. Tsuei, M. Arita, K. Shimada, J. Mizuki
Physical Review B **94**, 165156 (2016)

Angle-resolved photoemission with circularly polarized light in the nodal mirror plane of under doped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ superconductor

J. He, T. R. Mion, S. Gao, G. T. Myers, M. Arita, K. Shimada, G. D. Gu, R.-H. He
Applied Physics Letters **109**, 182601 (2016)

Hidden Rashba spin-split states in a quasi-one-dimensional Au atomic chain on ferromagnetic

T. Warashina, M. Nurmamat, K. Miyamoto, T. Shishidou, M. Taniguchi, A. Kimura, T. Okuda
Physical Review B **94**, 241109(R) (2016)

Observation of the spin-polarized surface state in a noncentrosymmetric superconductor BiPd

M. Neupane, N. Alidoust, M. M. Hosen, J.-X. Zhu, K. Dimitri, S.-Y. Xu, N. Dhakal, R. Sankar, I. Belopolski, D. S. Sanchez, T.-R. Chang, H.-T. Jeng, K. Miyamoto, T. Okuda, H. Lin, A. Bansil, D. Kaczorowski, F. Chou, M. Z. Hasan, T. Durakiewicz
Nature Communications **7**, 13315 (2016)

Proving nontrivial topology of pure bismuth by quantum confinement

S. Ito, B. Feng, M. Arita, A. Takayama, R.-Y. Liu, T. Someya, W.-C. Chen, T. Iimori, H. Namatame, M. Taniguchi, C.-M. Cheng, S.-J. Tang, F. Komori, K. Kobayashi, T.-C. Chiang, I. Matsuda
Physical Review Letters **117**, 236402 (2016)

Orbital-Dependent Band Narrowing Revealed in an Extremely Correlated Hund's Metal Emerging on the Topmost Layer of Sr_2RuO_4

T. Kondo, M. Ochi, M. Nakayama, H. Taniguchi, S. Akebi, K. Kuroda, M. Arita, S. Sakai, H. Namatame, M. Taniguchi, Y. Maeno, R. Arita, S. Shin
Physical Review Letters **117**, 247001 (2016)

Polymer morphological change induced by terahertz irradiation

H. Hoshina, H. Suzuki, C. Otani, M. Nagai, K. Kawase, A. Irizawa, G. Isoyama
Scientific Reports **6**, 27180 (2016)

Electronic structure of the Kitaev material $\alpha\text{-RuCl}_3$ probed by photoemission and inverse photoemission spectroscopies

S. Sinn, C. H. Kim, B. H. Kim, K. D. Lee, C. J. Won, J. S. Oh, M. Han, Y. J. Chang, N. Hur, H. Sato, B.-G. Park, C. Kim, H.-D. Kim, T. W. Noh
Scientific Reports **6**, 39544 (2016)

List of Accepted Research Proposals

- 16AG001 Satoshi Asaoka (Kobe University)
Identifying sulfur species in particulate matter derived from various ships using XAFS analyses
- 16AG002 Jun'ichiro Mizuki (Kwansei Gakuin University)
Angle-resolved photoelectron spectroscopy study on Ce1-2-10 systems
- 16AG003 Hitoshi Yamaoka (RIKEN SPring-8 Center)
Photoelectron spectroscopy study of Sr_2CrO_4 and Sr_2VO_4
- 16AG004 Hitoshi Yamaoka (RIKEN SPring-8 Center)
Photoabsorption spectroscopy study of Sr_2CrO_4 and Sr_2VO_4
- 16AG005 Baojie Feng (University of Tokyo)
High resolution ARPES study of novel two-dimensional materials
- 16AG006 Yoshiyuki Ohtsubo (Osaka University)
Spin polarization of topological surface states on Kondo insulator YbB_{12}
- 16AG007 Koichi Matsuo (Hiroshima University)
Structure analysis of myelin protein interacted with bio-membrane by vacuum-ultraviolet circular dichroism
- 16AG008 Koichi Matsuo (Hiroshima University)
Conformation analysis of chitin by vacuum-ultraviolet circular dichroism spectroscopy
- 16AG009 Koichi Matsuo (Hiroshima University)
Structural analysis of liposome-bound glycoprotein using vacuum-ultraviolet circular dichroism
- 16AG010 Yasuyuki Maki (Gunma University)
Conformational change of galactomannan induced by mixing with xanthan
- 16AG012 Shinya Hosokawa (Kumamoto University)
Valence-band electronic states of Mg alloys with long period stacking order II
- 16AG013 Masahiro Sawada (Hiroshima University)
XMCD study of magnetic atoms intercalated underneath monolayer hexagonal boron nitride
- 16AG014 Masahiro Sawada (Hiroshima University)
Structural and magnetic studies on magnetic atoms evaporated on monolayer hexagonal boron nitride
- 16AG015 Shinichiro Tanaka (Osaka University)
Study of the peculiar spiral structure in the ARPES spectrum of the graphene

- 16AG017 Kentaro Fujii (National Institutes for Quantum and Radiological Science and Technology)
VUV-CD measurements of proteins involving DNA damage repair
- 16AG019 Teppei Yoshida (Kyoto University)
Quasi-particle structure and self-energy of La-based high- T_c superconductors
- 16AG020 Teppei Yoshida (Kyoto University)
Inverse-photoemission spectroscopy of multi-orbital electron system $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$
- 16AG021 Tetsuya Sato (Keio University)
Magnetic anisotropy of Fe/Pd(001) bilayer dependent on Pd film thickness
- 16AG022 Tetsuya Sato (Keio University)
Observation of d electron quantum-well states in Pd(001) ultrathin films
- 16AG023 Hitoshi Sato (Hiroshima University)
Study on metal-semiconductor transition of mineral tetrahedrites $\text{Cu}_{12}\text{As}_4\text{S}_{13}$ investigated by photoemission and absorption spectroscopies
- 16AG024 Hitoshi Sato (Hiroshima University)
Unoccupied electronic state of mineral tetrahedrites $\text{Cu}_{12}\text{Sb}_4\text{S}_{13}$
- 16AG026 Takayoshi Yokoya (Okayama University)
Photon-energy and polarization dependent angle-resolved photoemission spectroscopy study on $\text{Rb}_x\text{Fe}_{2-y}\text{Se}_2$
- 16AG028 Masashi Arita (Hiroshima University)
Spin- and angle-resolved photoemission study of $\text{Yb}_{1-x}\text{Tm}_x\text{B}_6$
- 16AG029 Akihiro Ino (Hiroshima University)
Low-energy synchrotron-radiation angle-resolved-photoemission study of gap structure of $\text{Bi}_2\text{Sr}_2\text{Ca}(\text{Cu}_{1-x}\text{X}_x)_2\text{O}_{8+\delta}$ ($\text{X}=\text{Co}, \text{Ni}$)
- 16AG030 Akihiro Ino (Hiroshima University)
Orbital character in the vicinity of antiferromagnetic phase boundary of iron-pnictides 122-type superconducting materials
- 16AG032 Hiroaki Anzai (Osaka Prefecture University)
Quantification of the strength of hybridization in rare-earth compound YbInCu_4
- 16AG034 Eike Fabian Schwier (Hiroshima University)
ARPES study of the bulk and surface states of single crystalline Nb(110)
- 16AG035 Eike Fabian Schwier (Hiroshima University)
The electronic structure at the interface between a metal thin films and a topological insulator
- 16AG036 Eike Fabian Schwier (Hiroshima University)
Investigation of the electronic structure of trigonal $\text{Se}_x\text{Te}_{1-x}$

- 16AG037 Fumitoshi Iga (University of Tsukuba)
Observation of multipole order in the correlated electron transition metal oxide
- 16AG038 Kenya Shimada (Hiroshima University)
High-resolution polarization-dependent angle-resolved photoemission spectroscopy study of O-Fe(100) thin films grown on MgO(100)
- 16AG040 Kenya Shimada (Hiroshima University)
High-resolution angle-resolved photoemission spectroscopy study of Cr covered Fe thin films grown on Cu(001)
- 16AG041 Dan Dessau (University of Colorado, Boulder)
High resolution ARPES on triple layer perovskite nickelate
- 16AG042 Hitoshi Sato (Hiroshima University)
Angle-resolved photoemission spectroscopy of Kondo-lattice systems $\text{Yb}_2\text{Pt}_6\text{X}_{15}$ (X=Al, Ga) II
- 16AG043 Shoji Imai (Tokushima University)
Speciation of sulfur in long transport materials from China
- 16AG044 Takashi Mizokawa (Waseda University)
Angle-resolved photoemission spectroscopy of semiconductors with excitonic correlations
- 16AG045 Tetsuro Ueno (National Institute for Materials Science)
Probing 4f valence fluctuation and magnetic anisotropy in a Kondo lattice $\text{Ce}[\text{Cu}_{5-x}\text{Co}_x]_5$ near the ferromagnetic quantum critical point
- 16AG046 Takeshi Kondo (University of Tokyo)
Selective observation of bulk and surface electronic states of ruthenate $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$
- 16AG047 Shinji Kuroda (University of Tsukuba)
ARPES measurements on mixed crystal films of topological crystalline insulator SnTe
- 16AG049 Alexander Shikin (Saint Petersburg State University)
Indication of features in electronic structure characteristic for topological phase in graphene on Pt(111) and their modification under deposition and intercalation of Gd and Pb
- 16AG050 Kyoko Ishizaka (University of Tokyo)
Investigation of topological bands in transition-metal dichalcogenides
- 16AG051 Taichi Okuda (Hiroshima University)
Effect of Pb deposition on the spin electronic structure of Graphene fabricated on Ir(111)
- 16AG052 Taichi Okuda (Hiroshima University)
Study of inversion symmetric bulk crystals, LaOBiS_2 , CeOBiS_2 and related materials by high resolution spin-resolved photoemission

- 16AG053 Satoru Yoshioka (Kyushu University)
Valence-band electronic states of Mg-Zn-Gd alloys with long period stacking order structures
- 16AG054 Sergey Borisenko (IFW-Dresden)
Spin-polarization in the novel type II Weyl semimetal YbMnBi₂
- 16AG055 Mulazzi Mattia (Humboldt University)
Spin-resolved ARPES experiment on chiral semiconductor Tellurium
- 16AG056 Shuyun Zhou (Tsinghua University)
Angle-resolved photoemission spectroscopic studies of thickness dependent electronic structure of 2H-NbSe₂/graphene van der Waals heterostructure
- 16AG058 Shuyun Zhou (Tsinghua University)
Spin- and angle-resolved photoemission spectroscopic studies of spin texture in atomically thin transition metal dichalcogenide films
- 16AG060 Mohammed A.E. Sallam (Alexandria University)
Synchrotron radiation circular dichroism measurements of anomeric C-nucleoside triazole analogs
- 16AG061 M. Zahid Hasan (Princeton University)
Realization of a weak topological insulator in TaAs₂
- 16AG062 M. Zahid Hasan (Princeton University)
Direct measurement of the topological invariant of the Weyl semimetal candidate YbMnBi₂
- 16AU001 Hiroaki Anzai (Osaka Prefecture University)
Electronic structure of organic radical spins revealed by angle-resolved photoemission spectroscopy
- 16AU002 Shinjiro Hayakawa (Hiroshima University)
Simultaneous detection of conversion electrons and X-ray fluorescence by the mesh shaped electrode
- 16AU003 Takayoshi Yokoya (Okayama University)
Electronic structure study of functional materials at BL-5(FY2016A)
- 16AU004 Taichi Okuda (Hiroshima University)
Explore of inversion symmetric bulk crystals with hidden spin polarization
- 16AU005 Ken-ichi Saitow (Hiroshima University)
High resolution XPS structure analysis for Si powder
- 16AU006 Takashi Tokushima (RIKEN SPring-8 Center)
Developments of new apparatus for soft x-ray absorption under atmospheric He environment

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- 16BG017 Kensei Kobayashi (Yokohama National University)
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- 16BG018 Yudai Izumi (Hiroshima University)
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- 16BG019 Takayoshi Yokoya (Okayama University)
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- 16BG022 Kentaro Fujii (National Institutes for Quantum and Radiological Science and Technology)
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Systematic ARPES studies on the electronic structures of doped BaZn_2As_2 single crystals: a new 122 family of dilute ferromagnetic semiconductor

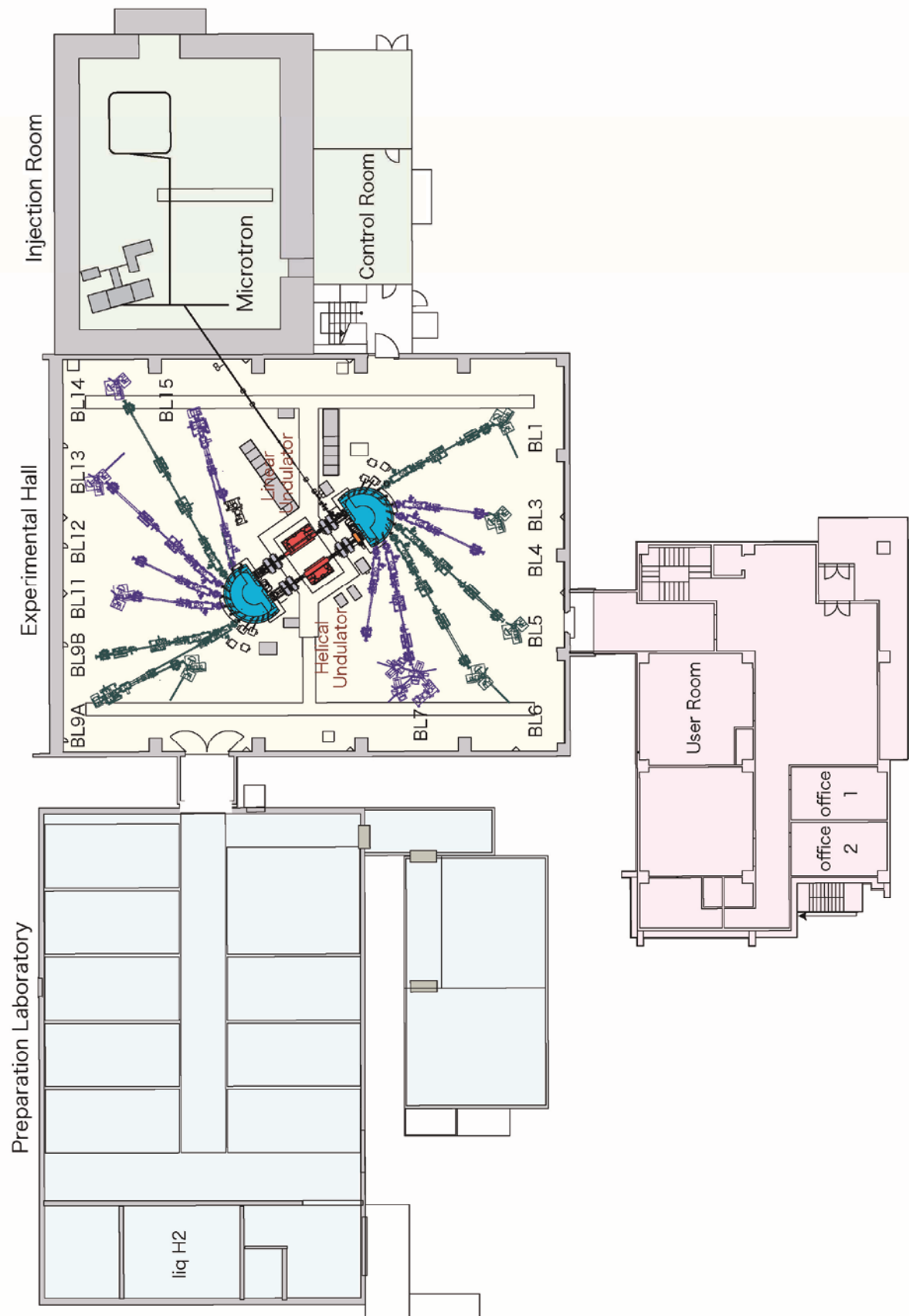
- 16BU006 Kouichi Takase (Nihon University)
Valence band structures of the layered oxyselenides (LaO)CuSe and (LaO)BiSe₂
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Magnetic Weyl semimetal in Co₂TiSn
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Resolving the complex low-energy electronic structure of the quasi-one-dimensional material NbSe₃
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Symposium

The 21st Hiroshima International Symposium on Synchrotron Radiation — *Present and Future Perspectives of Materials and Life Science Using VUV Synchrotron Radiation*—

March 2 – March 3, 2017, Hiroshima University Faculty Club

Plan of the Building



Location

