

## List of Proposals

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### List of Experimental Proposals Accepted for FY1999

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Proposal Number	Spokesperson	Title
99S2-001	YAGI Takehiko Univ. of Tokyo	Accurate Characterization of the High pressure and High Temperature in situ X-ray Diffraction Study and the Physical Property of the Lower Mantle Materials
99S2-002	ITAI Yuji Univ. of Tsukuba	In vivo Observation of Biological Soft Tissues with Phase-Contrast Method Using a Separated-Type X-Ray Interferometer
99S2-003	AMEMIYA Yoshiyuki Univ. of Tokyo	Development and Application of X-ray Ellipsometry
99U002	KOBAYASHI Akiko Univ. of Tokyo	Accurate determination of superstructure accompanied with M-I transition of mixed-valence Cu complex
99U004	ABE Hiroshi Nat'l. Def. Acad. Jpn.	Anomalous X-ray scattering in $Al_{72}Ni_{28-x}Co_x$ Decagonal Quasicrystals
99G001	MIYAHARA Tsuneaki Tokyo Metropolitan Univ.	R&D studies on origins of magnetism through measurements of small MCD: Of samples such as $CeFe_4P_{12}$
99G002	REDDISH Tim Newcastle Univ.	( $\gamma$ , 2e) Dichroism Studies of Helium with Asymmetric Electron Energies
99G003	YOSHII Kenji JAERI	The X-ray Emission Spectroscopy in Perovskite-type Cobalt Oxides
99G004	TAGUCHI Yukihiko Osaka Pref. Univ.	Resonant Soft X-ray Emission Spectroscopy of $LaCoO_3$
99G005	YANAGIHARA Mihiro Tohoku Univ.	Electronic structure of Si layers sandwiched with ionic-crystal layers studied by soft-x-ray emission spectroscopy
99G006	KAWAI Jun Kyoto Univ.	High Resolution Experiment of F K Absorption
99G007	MIYAHARA Tsuneaki Tokyo Metropolitan Univ.	Study on the first and the second coherence of synchrotron radiation
99G008	CHO Teruji Univ. of Tsukuba	Analyses of Neutron Damaged Semiconductor X-ray Responses Under the Conditions of DT and DD Nuclear Fusion Reactions
99G009	KINOSHITA Toyohiko Univ. of Tokyo	Spin-polarized photoelectron diffraction of non-magnetic Cu
99G010	KIMURA Akio Univ. of Tokyo	Spin-polarized electronic states of fcc Fe/Rh(001)
99G011	SAKAMOTO Kazuyuki Tohoku Univ.	Unoccupied molecular orbitals of $C_{60}$ adsorbed on Si(111)-(7x7) and Si(001)-(2x1) surfaces
99G012	YOKOYA Takayoshi Univ. of Tokyo	Resonant photoemission and soft x-ray emission study of layered ruthenates
99G013	YOKOYA Takayoshi Univ. of Tokyo	Electronic structure of b-MNCl (M=Zr and Hf): Soft x-ray absorption and emission
99G014	SUDA Yoshiyuki Tokyo Univ. of Agri. & Tech.	Energy-band diagram studies of porous IV-group semiconductors
99G016	EBA Hiromi Nat'l Res. Inst. Metals	Morphologic investigation of Gd nano-particles deposition: grazing incidence X-ray scattering study
99G017	STRELTSOV Victor Univ. of Western Australia	Synchrotron X-ray Studies of Structure and Electron Density in KTP-type Ferroelectric Materials
99G018	TANG Jie Nat'l Res. Inst. Metals	The Structure of $CuR_2(S, Se)_4$ under High Pressure and Low Temperature
99G019	KUDO Yasuhiro Tohoku Univ.	Effect of pressure on the crystal structure of Phase A, $Mg_7Si_2H_6O_{14}$

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Proposal Number	Spokesperson	Title
99G023	SHIROTANI Ichimin Muroran Inst. of Tech	Transitions of LnSb (Ln=Lanthanide) with NaCl-Type Structure under High Pressures
99G024	SEKINE Chihiro Muroran Inst. of Tech	Structural study of rare-earth metal phosphides using X-ray at low temperatures and high pressures
99G025	SEKINE Chihiro Muroran Inst. of Tech	Study of metal-insulator transition on filled-skutterudite type compounds
99G026	KOJIMA Ken-ichi Yokohama City Univ.	Structure and motion of dislocations in organic crystals
99G027	TABUCHI Masao Nagoya Univ.	Study on surface and hetero interface structure of compound semiconductors by low noise X-ray CTR scattering
99G028	IMAI Motoharu Nat'l Res. Inst. of Metals	Pressure-induced Phase Transitions of Silicides
99G029	SOEJIMA Yuji Kyushu Univ.	Superlattice diffraction intensity in meso- and low-temperature phases of PbZrO <sub>3</sub>
99G030	SOEJIMA Yuji Kyushu Univ.	Superstructure determination of Te <sub>0.4</sub> Se <sub>0.6</sub> in metastable phase
99G031	FUJINO Kiyoshi Hokkaido Univ.	Solubility relation between (Mg, Fe)SiO <sub>3</sub> and CaSiO <sub>3</sub> perovskites
99G032	KUBOZONO Yoshihiro Okayama Univ.	Temperature-dependent X-ray diffraction study on Na <sub>2</sub> C <sub>60</sub> and Na <sub>4</sub> C <sub>60</sub> under high pressure
99G033	TABUCHI Masao Nagoya Univ.	Study on relationship between magnetic property of Mn atoms and local structure around the Mn atoms doped in alloy semiconductors
99G034	STRELTSOV Victor Univ. of Western Australia	Reduction of Extinction Effects by Multiple Wavelengths Measurements with Synchrotron X-radiation
99G035	OGASAWARA Yoshihide Waseda Univ.	Study on crystal growth of microdiamond from UHP metamorphic rocks by micro-area X-ray diffraction
99G036	IWASA Yoshihiro JAIST	Superstructure in rare-earth/alkaline-earth doped higher fullerenes
99G037	AKITA Kouichi Tokyo Metropolitan Univ.	X-ray stress measurement method of single crystal materials
99G038	OHTAKA Osamu Osaka Univ.	Melting and Phase Relations of Ca(OH) <sub>2</sub> under High Pressure and Temperature
99G039	ISHIDA Kohtaro Science Univ. of Tokyo	Study of Pre-Edge Peaks in ATS Scattering with Linear and Circular Polarized X-Rays
99G040	TAKAHASHI Toshio Univ. of Tokyo	Characterization of Domain Inversion Optical Devices by X-ray Diffraction
99G041	HASHIMOTO Shinya Iwaki Meisei Univ.	Study of Ordered and Disordered Structures in Cu-Ni-X (X=Zn, Pt) Alloys and Technical Establishment of the Anomalous Scattering Method
99G042	OHSUMI Kazumasa KEK-PF	Crystallographic studies on interplanetary dust particles by capillary optics
99G043	MANIWA Yutaka Tokyo Metropolitan Univ.	Structure of nano-cluster solid in zeolite
99G044	MORIMOTO Shotaro Osaka Univ.	Structural change at low temperature of charge disproportionate iron oxides
99G045	MIZUNO Kaoru Shimane Univ.	New vacancy generation mechanism in ultra-high purity aluminum single
99G046	YASHIMA Masatomo Tokyo Inst. of Tech	Structural Change of Fluorite-Related Materials

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Proposal Number	Spokesperson	Title
99G047	SHIMIZU Hirohiko RIKEN	Development and Application Studies of Superconducting X-ray Detector
99G048	YAMAGUCHI Yuichi Tokyo Inst. of Tech	Magnetic structure at the Fe/Cr superlattice interface
99G049	ONO Teruo Keio Univ.	X-ray resonant scattering studies of the twisted magnetic structures in Fe/Cr multilayers
99G050	HOSOITO Nobuyoshi Kyoto Univ.	Magnetic structure of exchange-spring systems
99G052	MATSUURA Makoto Miyagi Nat'l College of Tech.	Inducement of magnetic anisotropy caused by preferential site occupancy of Zr additive for HDDR treated Nd <sub>2</sub> Fe <sub>14</sub> B-based magnet
99G053	TANIMOTO Satoshi JAIST	Crystallization Behavior of PCL-b-PB-b-PCL Triblock Copolymers
99G054	KAWAMOTO Youji Kobe Univ.	Structure change of Sulfide and Halide Glasses by High Pressure
99G055	KURISU Makio JAIST	Local structures of nitrogenation products of CoTiSn and CoZrSn
99G056	KAJIWARA Kanji Kyoto Inst. of Tech.	Structural Analysis of Synchronized Molecular Assembly
99G057	URAKAWA Hiroshi Kyoto Inst. of Tech.	Chain Conformation of Ionomer in Solvents Having Different Dielectric Constants
99G058	OKU Jun-ichi Nagoya Inst. of Tech.	Novel Regulation Method of Miscibility between Blocks and Phase Transition Behavior of Block Copolymers
99G059	YOSHIDA Hisao Nagoya Univ.	XAFS analysis of the factors controlling the resistibility against oxidation of platinum catalysts
99G060	IZUMI Yasuo Tokyo Inst. of Tech.	In situ Observation of Chromium Catalysts Surface Sites by Site Selective XAFS
99G062	DAVIS Mark E. California Inst. of Tech.	XAFS Studies on the Local Structure of the Intrazeolite Binary Oxide Cluster
99G063	YOKOYAMA Toshihiko Univ. of Tokyo	Pd L-edge XANES of Pd(dmit) <sub>2</sub> series
99G064	MORIGA Toshihiro Toskushima Univ.	Crystallization Process of Layered Transparent Conductive Oxides
99G066	IWASE Akihiro JAERI	Research on X-Ray Induced Atomic Displacements in Solids
99G067	ARITANI Hirofumi Kyoto Inst. of Tech.	Structural Analysis of Fe-substituted mordenite catalysts by means of XAFS spectroscopy
99G068	WAKATSUKI Masao Univ. of Tsukuba	Analysis of metal element impurities in high purity artificial diamonds
99G069	SIMIZUGAWA Yutaka Natl. Res. Inst. Adv. Ind. Sci. Tech.	XAFS study of ultraviolet induced optical materials
99G070	MATSUO Motoyuki Univ. of Tokyo	XAFS Study on Chemical States of Elements in Land Snail Shells
99G071	NAKANO Masashi Kobe Univ.	Dynamics of Cd(II) Surface Complex on Clay Minerals
99G072	NAKAGAWA Takashi Osaka Univ.	XANES measurement of L <sub>III</sub> egde of rare earth element in rare earth compound solid solution
99G073	OHTA Toshiaki Univ. of Tokyo	In-situ XAFS studies on reconstruction and ion adsorption of the Ag single crystal electrode

Proposal Number	Spokesperson	Title
99G074	TAKAHASHI Yoshio Hiroshima Univ.	Valence and local structure of cerium in rocks
99G075	KAGI Hiroyuki Univ. of Tokyo	XAFS of trace rare earth elements in synthesized calcite
99G076	AKIMOTO Katsuhiro Univ. of Tsukuba	Electronic Structure of Interfaces between NTCDA and organic films and between NTCDA and metallic thin film
99G077	GERSON Andrea Univ. of South Australia	Analysis of S oxidation states as a function of depth in metal sulphide minerals and Cu activated metal sulphide minerals using X-ray photoelectron spectroscopy
99G078	KONDO Hiroshi Univ. of Tokyo	Self-assembling processes of thiolate-related organic molecules studies by XAFS
99G079	ICHIKAWA Masaru Hokkaido Univ.	XAFS Study on Mo Catalysts for Methane Dehydrocondensation Reaction
99G081	ANPO Masakazu Osaka Pref. Univ.	XAFS studies on the TiO <sub>2</sub> photocatalysts prepared within the zeolite pore structure which can be utilized under visible light irradiation
99G082	OKAMOTO Yasuaki Shimane Univ.	Clarification of dynamic behavior of hydrodesulfurization catalysts using Co-Mo sulfided cluster
99G083	KUBOTA Takeshi Shimane Univ.	Clarification of hydrogen activated site on metal sulfide catalysts by means of in-situ XAFS
99G084	KUBOTA Takeshi Shimane Univ.	Local structure analysis of Mo, Co atoms in Co-Mo catalyst supported on mesoporous materials
99G085	SAKURAI Kenji Nat'l Res. Inst. of Metals	Surface imaging by total-reflection X-ray fluorescence using a CCD camera
99G087	NITANAI Yasushi Toyohashi Univ. of Tech.	Crystallographic study on transketolase
99G088	MURPHY Michael E. P. Univ. of British Columbia	Structural Studies of the Calcium Binding Protein Human Calbindin D28K
99G089	PAI Emil F. Univ. of Toronto	Anti-HIV antibody 2F5
99G090	PAI Emil F. Univ. of Toronto	Xanthine oxidase & immunoglobulin A protease
99G091	PAI Emil F. Univ. of Toronto	Specificity and plasticity of binding interactions in domains of signal transduction proteins
99G097	SUZUKI Fumiaki Gifu Univ.	X-ray structural analysis of sheep angiotensinogen
99G098	MIZUNO Hiroshi Nat'l. Inst. of Agrobio. Sci.	X-ray structure analysis of C-type lectin proteins to regulate platelet agglutination
99G099	YUTANI Katsuhide Osaka Univ.	X-ray Analysis of the Small Crystals of Mutant Human Lysozymes
99G100	FUSHINOBU Shinya Univ. of Tokyo	X-ray analysis of crystal structure of b-lactamase Toho-1
99G101	FUSHINOBU Shinya Univ. of Tokyo	Crystallographic analysis of ADP-dependent hexokinase from <i>Thermococcus litoralis</i>
99G102	FUSHINOBU Shinya Univ. of Tokyo	Crystallographic analysis of various mutants of xylanases from <i>Aspergillus kawachi</i>
99G103	INAGAKI Fuyuhiko Tokyo Metro. Inst. of Med. Sci.	Crystallographic study on SH3 domain of Vav
99G104	SENDA Toshiya Nagaoka Univ. of Tech	High-resolution crystal structure analysis of the LigAB:NO:substrate complex.

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99G105	OGATA Kazuhiro Kanagawa Acad. Sci. & Tech.	Structural analyses of regulation mechanism of DNA binding of Myb by regulatory factors
99G106	MIKI Kunio Kyoto Univ.	X-ray Crystallographic Studies of RuBisCO from Hyperthermophilic Archaea
99G107	KITAGAWA Yasuyuki Showa Univ.	Structural analysis of ribonuclease Rh at cryo temperature
99G108	FUJIWARA Taketomo Shizuoka Univ.	Structural investigation on the haloadaptation mechanism of peroxidase from halophilic archaeobacteria.
99G109	WAKABAYASHI Takeyuki Univ. of Tokyo	X-ray crystallography of mutant actin
99G110	FUKUYAMA Kei-ichi Osaka Univ.	High Resolution X-Ray Crystallographic Analysis of Tobacco Necrosis Virus
99G111	SUZUKI Masashi Nat'l Inst. Biosci. & Human-Tech.	Crystallographic study of DNA-binding proteins that are expected to involve replication and repair originated in Archaeobacteria
99G112	NONAKA Takamasa Nagaoka Univ. of Tech	X-ray structure analysis of a novel anticodon nuclease.
99G113	NORIOKA Shigemi Osaka Univ.	Molecular mechanism of gametophytic self-incompatibility in Rosaceae
99G114	MATSUURA Yoshiki Osaka Univ.	High resolution X-ray analysis of maltooligosyl trehalose synthetase
99G115	KAWANO Yoshiaki Inst. of Phys. & Chem. Res.	Time-Resolved Crystal Structure Analysis of Photoreactive Nitrite Hydratase.
99G116	MATSUMOTO Osamu Kyoto Univ.	X-ray study on anti-tumor drug bleomycin:DNA complex
99G117	TSUKIHARA Tomitake Osaka Univ.	Crystal Structural Analysis of Bovine Heart Cytochrome c Oxidase of Reduced form
99G118	SUZUKI Mamoru KEK-PF	Structure analysis of sperm maturation protein
99G119	SAKAI Hiroaki Osaka Univ.	X-ray crystal structure analysis of NADH-Oxidase
99G120	SAKAI Hiroaki Osaka Univ.	X-ray crystal structure analysis of importin $\beta$ -deletion mutant
99G122	SASAKI Kyouyu Nagoya Univ.	Synchrotron protein data collection and processing system with large data-server and high security computer network
99G123	EOM Soo Hyun Kang Ju Inst. Of Sci. & Tech.	High Resolution Structural Study on Calcium Release Channel (RyR-1)
99G124	TAKEDA Tohoru Univ. of Tsukuba	Development of high speed fluorescent x-ray CT
99G125	KAMIKUBO Hironari KEK-PF	Time-Resolved X-ray Diffraction Measurement of Protein Structural Changes in the Micro-Second Region by the Fast One-Dimensional Gas Detector OD-3.
99G128	YAMAGUCHI Toshio Fukuoka Univ.	Small-Angle X-ray Scattering from Chymotrypsin Inhibitor 2 in Water-Ethanol Binary Solutions
99G129	HIIRAGI Yuzuru Kyoto Univ.	Subunit interaction of E. coli chaperonin oligomer.
99G130	TAKAKURA Kahoru Internatl Christian Univ.	The dependence of cell death and DNA double strand-breaks on the energy of X-ray as radiation source
99G131	ITO Atsushi Tokai Univ.	Performance evaluation of a projection X-ray microscope and its application to biological specimens

Proposal Number	Spokesperson	Title
99G132	TAKADA Yasutsugu Univ. of Tsukuba	Early diagnosis of rejection after liver transplantation by microangiography using synchrotron radiation
99G134	MORI Kouichi Ibaraki Pref. Univ. Health Sci.	Development of Synchrotron radiation radiography in orthopedics region
99G135	MORI Hidezo Tokai Univ.	Characteristics of myocardial blood flow distribution in heart disorders associated with angiogenesis: Two dimensional mapping of heavy element-loaded micro-sphere in heart muscle by using monochromatic synchrotron radiation-excited x-ray fluorescence
99G136	EKTESSABI Ali M. Kyoto Univ.	Investigation of Elemental Unbalance in a single Cell by Mapping of Metal Ions using SR Micro Beam
99G137	SHILSTEIN Sana Kurchator Inst.	Refraction Radiography using Hard Synchrotron Radiation
99G138	KATAOKA Mikio Nara Inst. of Sci. & Tech.	Structural Analysis of Photo-Intermediates of Bacteriorhodopsin using Cysteine Mutants.
99G139	IWAZUMI Toshiaki KEK-PF	Fundamental Study of Resonant Inelastic X-ray Scattering in Hard X-ray Region
99G140	FUJIMORI Atsushi Univ. of Tokyo	Study of band dispersion in Mn diluted magnetic semiconductors
99G141	MISTUI Takaya JAERI	NMR-Mossbauer double resonance experiments by using SR
99G142	MISTUI Takaya JAERI	The simultaneous measurement of coherent and incoherent nuclear resonant scattering in the presence of the ultra sonic vibration
99G143	MISTUI Takaya JAERI	The study of the nuclear spin dynamics by using the X-ray interferometer
99G144	SHIOTANI Nobuhiro Tokyo Univ. of Fisheries	Compton scattering study of metallic compounds and alloys
99G145	MIKI Hirofumi Science Univ. of Tokyo	Correlation of the electron state at step edge on Pt surfaces and the NO chemisorption state.
99G146	UEDA Kiyoshi Tohoku Univ.	Electronic decay and dissociation dynamics of C 1s core-excited states of fluore-methane molecules
99G147	SHIMIZU Yuichiro Tohoku Univ.	Effects of the shape resonances formed above the S, P 2p thresholds of poly-atomic molecules on the S, P 2p photoelectron emission.
99G148	SOEJIMA Kouichi Niigata Univ.	Study of electron correlation for direct double photoionization processes of rare gas atoms using circularly polarized photon.
99G149	MIMURA Koujiro Osaka Pref. Univ.	High-Resolution Resonant Photoemission Spectroscopy Study of CeSi
99G150	SUGA Shigemasa Osaka Univ.	High-resolution photoemission study of $\text{Sm}_{1-x}\text{Y}_x\text{S}$
99G151	TANAKA Masatoshi Yokohama Natl. Univ.	Angle-Resolved Photoemission from Oxygen-Covered W(100)
99G152	NAKAJIMA Hisao Osaka Univ.	Multiquantum well structures by photoluminescence core-level excitation
99G153	NAKATSUJI Kan Univ. of Tokyo	Valence band structure and surface core level shift of Ag/Ge(100) surface
99G154	YAMADA Nobuyoshi Univ. of Electro-Com.	Study of Local Oxygen Electronic Structure of $\text{PrBa}_2\text{Cu}_4\text{O}_8$ by x-ray-fluorescence Spectroscopy with Site-selective Excitation of Oxygen K-Shell
99G155	SATO Hitoshi Hiroshima Univ.	Study on electronics structure of $\text{Cu}_3\text{Au}$ -type Pt compounds

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Proposal Number	Spokesperson	Title
99G157	KONO Shozo Tohoku Univ.	Ge/Si(001) Interface Structure Analysis by Surface-Core-Level-Shift-Resolved Photoelectron Diffraction
99G158	SETO Makoto Kyoto Univ.	Study on Electronic States of Condensed Matter by Nuclear Resonant Incoherent Scattering
99G159	YOKOYAMA Toshihiko Univ. of Tokyo	XMCD study on the magnetization of molecules adsorbed on ferromagnetic epitaxial thin films
99G160	YOKOYAMA Toshihiko Univ. of Tokyo	XMCD studies on Mn, Cr and V evaporated on ferromagnetic thin films
99G161	ADACHI Hiromichi KEK-PF	Magnetic scattering study of the spin moment in ferromagnetic Sm intermetallics
99G162	NAKAMURA Testuya Inst. of Phys. & Chem. Res.	Magnetic EXAFS in Ferromagnetic Rare-Earth Metals
99G163	UKAI Masatoshi Tokyo Univ. of Agri. & Tech.	Performance test of X-ray fluorescence spectrometer for light-atom molecules
99G164	NANAO Susumu Univ. of Tokyo	A study of resonant inelastic X-ray scattering in Al-Pd-Mn(Re) Quasicrystals
99G165	KIMURA Akio Hiroshima Univ.	Band structure of NiAs-type Cr pnictides
99G166	KAKIZAKI Akito KEK-PF	Study of magnetic anisotropy of magnetic thin films by spin-resolved photoemission
99G167	LABALANQUIE Pascal LURE	Properties of dications investigated with Auger-Threshold Photoelectron Coincidence Spectroscopy
99G168	WU Robert C. Y. Univ. of Southern California	High-Resolution, High-Temperature Photoabsorption Cross Section Measurements of N <sub>2</sub> , O <sub>2</sub> , and CO <sub>2</sub>
99G169	KAMETA Kosei Tokyo Inst. of Tech.	Absolute measurements of photoabsorption, photoionization and neutral dissociation cross sections of polyatomic molecules in the extreme ultraviolet region
99G170	KAMETA Kosei Tokyo Inst. of Tech.	Dynamics of superexcited states of polyatomic molecules studied by the vis-uv fluorescence excitation spectrum measurement
99G171	NAKAI Shun-ichi Utsunomiya Univ.	L $\alpha$ L $\beta$ resonant Raman spectra of 4d transition-metal compounds
99G172	YEOM Han Woong Univ. of Tokyo	Study of the structure, stoichiometry and chemical bonding at the ultrathin-oxynitride/Si(001) interface
99G173	KAWATA Hiroshi KEK-PF	3-Dimensional electron momentum density by means of (X, eX) coincidence measurement
99G174	KINOSHITA Toyohiko Univ. of Tokyo	Spin-resolved photoemission studies of the 2-hole bound state satellite for Ni and Co clusters
99G175	KINOSHITA Toyohiko Univ. of Tokyo	Study of the origin of surface photo-voltage induced on the semiconductor irradiated by laser
99G176	KINOSHITA Toyohiko Univ. of Tokyo	Resonant photoemission study of EuNi <sub>2</sub> (Si <sub>(1-x)</sub> Ge <sub>x</sub> ) <sub>2</sub> (x=0.75) at 4d-4f edges
99G178	YOSHINOBU Jun Univ. of Tokyo	Electronic structure of organic molecules/Si(100)(2 $\times$ 1) hybrid systems
99G179	TANIYAMA Tomoyasu Tokyo Inst. of Tech.	Spin polarization in PhFe fine particles
99G180	SEKI Kazuhiko Nagoya Univ.	Electronic and geometric structures of interfaces between metal and epitaxial film of functional organic materials studied by NEXAFS and photoelectron spectroscopies

Proposal Number	Spokesperson	Title
99G181	WATANABE Masamitsu KEK-PF	Resonant Soft X-ray Emission Spectroscopy of Simple Metals
99G182	SHIN Shik Univ. of Tokyo	Soft X-ray absorption and emission studies on $\text{La}_x\text{Sr}_{1-x}\text{TiO}_3$
99G184	HIRANO Keiichi KEK-PF	Development of technique for characterizing silicon single crystals and dielectric gate oxide films using x-ray diffraction
99G185	SAITO Masatoshi Tohoku Univ.	Structural Study of Molten Zinc Halides by the Anomalous X-ray Scattering Method
99G186	MATSUBARA Eiichiro Kyoto Univ.	Structural study of $\text{Fe}_{1-x}\text{M}_{10}\text{B}_x$ (M=Zr,Nb,Mo,Hf,Ta,W) metallic glasses by the anomalous x-ray scattering method and the mechanism of their thermal stability
99G187	SHIMURA Takayoshi Osaka Univ.	X-ray diffraction measurements of internal strain in Si nanostructures
99G188	WADA Hirofumi Kyoto Univ.	Temperature dependence of valence in dilute Eu alloys
99G189	OKI Kensuke Kyushu Univ.	High Pressure Fluorescence XANES Measurement using an Unsymmetrical Diamond Anvil Cell
99G190	ISHIZAWA Nobuo Tokyo Inst. of Tech.	Accurate single-crystal structure analysis of functional inorganic crystals under extinction-free conditions
99G193	KUSABA Keiji Tohoku Univ.	Phase transitions of sulfur under high pressure and temperature
99G194	IWASA Yoshihiro JAIST	Structural Analysis of Organic Charge Transfer Crystals
99G196	SASAKI Satoshi Tokyo Inst. of Tech.	Study on Valence Mixing State for Rare-Earth Compounds
99G197	SASAKI Satoshi Tokyo Inst. of Tech.	Studies on Superconductive Transition and Electron density for Hg-1212 and Hg-1223
99G198	SATO Hirohiko Tokyo Inst. of Tech.	Study of magnetic structure of $\beta\text{-MnO}_2$ by x-ray magnetic scattering
99G199	SUITO Kaichi Osaka Univ.	Observation of elementary process in the formation of ultrahard phase from fullerene under high pressure
99G200	KASHINO Setsuo Okayama Univ.	Structure of Eu Endohedral $\text{C}_{60}$ under Ambient and High Pressures
99G201	HASHIZUME Hiroo Tokyo Inst. of Tech.	Magnetic roughness in an Fe/Gd multilayer in the aligned and twisted states
99G202	SATO Kiminori KEK-PF	Investigation of diamond formation in a system of $(\text{Mg}_{0.6}\text{Ca}_{0.4})\text{Co}_3$ -graphite-Mo
99G203	TABUCHI Masao Nagoya Univ.	Investigation of distribution of group-III atoms in III-V compound semiconductors by X-ray CTR scattering
99G204	TAKEMURA Ken-ichi Natl. Inst. Res. in Inorg. Mat,	Evaluation of the hydrostaticity of helium pressure medium
99G206	ONODERA Akifumi Osaka Univ.	High-pressure phase of manganese chalcogenides
99G207	HAYASHI Kouichi Kyoto Univ.	Development of rapid measurement method of X-ray fluorescence holography
99G208	ISHIBASHI Hiroki Osaka Pref. Univ.	Crystal Structure of $\text{CuI}_2\text{S}_4$ at low temperature
99G209	NANAO Susumu Univ. of Tokyo	Structural analysis of Mg-Zn-RE icosahedral quasicrystals by a X-ray anomalous scattering method

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Proposal Number	Spokesperson	Title
99G210	HOSOITO Nobuyoshi Kyoto Univ.	Magnetic structures of an Fe/Dy multilayer and the magnetization reversal process in the Dy layers
99G211	NAKAO Hironori KEK-PF	Quadrupole order in f-electron system $-\text{CeB}_6-$
99G212	NAKAO Hironori KEK-PF	Structure analysis of $\text{NaV}_2\text{O}_5$ using X-ray anomalous scattering factor
99G213	KAWATA Hiroshi KEK-PF	Charge and magnetic ordering study on $\text{Fe}_3\text{O}_4$ by means of resonant X-ray scattering
99G214	ISHII Kenji Univ. of Tokyo	Crystal structure and phase transition in rare earth $\text{C}_{60}$ compounds $\text{Eu}_x\text{C}_{60}$ ( $x=3,6$ )
99G217	SUEMATSU Hiroyoshi Univ. of Tokyo	Structure and Phase Transition in Endohedral Metallofullerenes
99G218	NAKAMURA Tomoki Kyushu Univ.	SR X-ray diffraction measurements of cosmic dust using a Gandolfi camera
99G219	TANAKA Takaho Natl. Inst. Res. Inorg. Mat,	Structure refinement of $\text{ScB}_{17}\text{C}_{0.25}$
99G220	FUJII Yasuhiko Univ. of Tokyo	New charge-lattice state of $\text{NaV}_2\text{O}_5$ at low-T and high-P
99G222	TANAKA Masahiko KEK-PF	Perovskite-type $\text{REXO}_3$ : Powder X-ray diffraction studies at elevated temperatures
99G223	YAGI Takehiko Univ. of Tokyo	Determination of equation of model mantle materials
99G224	HARUYAMA Osami Science Univ. of Tokyo	Study on glass transition of glassy metals by X-ray anomalous scattering method
99G225	NAGATA Kiyofumi Fukuoka Univ.	Electron density distribution in chalcogens under high pressure
99G226	SAWA Hiroshi Chiba Univ.	Study of the charge ordering transition and crystal structure at low temperature for V oxides
99G227	SAWA Hiroshi Chiba Univ.	Study of Metal-Insulator transition caused by p-d interaction and crystal structure at low temperature
99G228	KOBAYASHI Mototada Himeji Inst. of Tech	Temperature and pressure control of crystal structure for alkali metal doped $\text{C}_{70}$ compounds
99G229	ZHANG Xiaowei KEK-PF	Development of a Bandwidth Adjustable High-resolution x-ray Monochromator
99G230	ZHANG Xiaowei KEK-PF	Wavelength measurement of 14.4 keV Mossbauer photons
99G232	SAKURAI Shin-ichi Kyoto Inst. of Tech.	Survey and Identification of Possible Transient Structures Upon Phase Transitions in Polystyrene-Based Block Copolymers by Synchrotron Small-Angle X-ray Scattering
99G233	IWASAWA Yasuhiro Univ. of Tokyo	EXAFS study of New Attached Antimony Catalysts
99G235	MUROGA Yoshio Nagoya Univ.	Conformation of Polyelectrolytes Having Hydrophobic Groups in Aqueous Solution
99G236	MUROGA Yoshio Nagoya Univ.	Local Structures of polypeptides in the Helix-Coil Transition Regions
99G237	NOMURA Masaharu KEK-PF	Development of time-resolved XAFS experiment

Proposal Number	Spokesperson	Title
99G238	MAEHASHI Kenzo Osaka Univ.	Analysis of impurities in semiconductors by photoluminescence core-level excitation
99G239	SAKURAI Kenji Nat'l Res. Inst. of Metals	Local structure of polycrystalline Y-Al-O:Ce scintillators synthesized by low-temperature process
99G240	IMAI Masayuki Ochanomizu Univ.	Dynamics of Morphology Transition Observed in a Surfactant/Water System
99G241	NOMURA Shunji Kyoto Inst. of Tech.	Crystallization Kinetics and Microdomain Structures for Poly(ethylene-atactic propylene)diblock Copolymers
99G242	OKUDA Kouji Kyoto Univ.	Microstructure analysis on phase decomposition in thin films by GI-SWAXS
99G243	OKABAYASHI Hirofumi Nagoya Inst. of Tech	Time-resolved small angle X-ray scattering study of fractal self-organized dynamic structure of silane coupling agent polymer
99G244	TABUCHI Masao Nagoya Univ.	Investigation of distribution of group-III atoms in III-V compound semiconductors by fluorescence EXAFS
99G245	NAGAO Mahiko Okayama Univ.	Analysis of Effect of Supports on the Electric and Structural State of Copper Ion
99G246	SEKITANI Tetsuji Hiroshima Univ.	Study of photon stimulated ion desorption of organic molecules induced by site-specific core excitation
99G247	BABA Yuji JAERI	In-situ observation on the formation of carbon nitride thin film
99G248	ICHIKAWA Masaru Hokkaido Univ.	XAFS analysis of immobilized catalysts for stereospecific olefin
99G250	ICHIHASHI Yuichi Natl. Res. Inst. Adv. Ind. Sci. Tech.	XAFS study of active sites for Cu-SiO <sub>2</sub> and Ag-SiO <sub>2</sub> catalysts prepared by Sol-Gel method
99G252	SHIRAI Masayuki Tohoku Univ.	The structure determination of nickel species supported on brown coals during hydrogen gasification
99G253	YOSHIDA Hisao Nagoya Univ.	XAFS analysis of novel photocatalysts for epoxidation of propene
99G254	YAMSHITA Hiromi Osaka Pref. Univ.	The Effect of the Local Structures of Metal Ions on the Photochemical Process within Zeolite Cavities
99G256	YAMAMOTO Hiroyuki JAERI	Non-destructive depth profile analysis by X-ray absorption near-edge structure and photoelectron spectroscopy
99G257	MATSUO Motoyuki Univ. of Tokyo	Chemical Speciation of Sediments Using XAFS with Chemometric Techniques
99G258	KANAI Hiroyoshi Kyoto Pref. Univ.	XAFS Analysis of Ternary Interactions among Palladium-Ceria-Alumina Catalysts
99G259	IZUMI Yasuo Tokyo Inst. of Tech.	XAFS Study of Surface Mechanism on hte CoMo nitride catalysts
99G260	YAMAGUCHI Toshio Fukuoka Univ.	XAFS study of metal oxide crystallization in subcritical and supercritical water
99G261	YAMAGUCHI Toshio Fukuoka Univ.	In situ XAFS Study of MoFeS cluster complexes at different oxidation states
99G262	YAMAGUCHI Toshio Fukuoka Univ.	Structure analysis of supercritical alcohol-water binary solvents by small angle X-ray scattering
99G263	YAMAGUCHI Toshio Fukuoka Univ.	Time-resolved X-ray analysis of metal oxide formation in subcritical and supercritical water
99G264	NOJIMA Shuichi JAIST	Crystallization and Melting Processes of PCL-b-PB as probed by the Change in Interface

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Proposal Number	Spokesperson	Title
99G265	ASANO Tsutomu Shizuoka Univ.	Space resolved X-ray diffraction measurements of the inequilibrium state of polymers and biomembranes
99G266	HASHIMOTO Takeji Kyoto Univ.	Order-Order Transition in Block Copolymers
99G267	JINBO Yuji Yamagata Univ.	High order structures of gellangum gels and gelation mechanism
99G268	USUKI Takeshi Yamagata Univ.	Short-range order of As-S-Br chalcogenide glasses
99G269	AN-NAKA Masahiko Chiba Univ.	Hierarchical Structure of Natural and Biopolymer Gel
99G270	MATSUSHITA Yushu Nagoya Univ.	Surface Characteristics of Bi- and Tricontinuous Structures Formed by Block Copolymers
99G271	TAMURA Kouzaburo Hiroshima Univ.	XAFS measurements for liquid Ge-Si alloys
99G272	YASHIMA Masatomo Tokyo Inst. of Tech.	In-situ observation of the phase transition of La(Ti,Al)O <sub>3</sub>
99G273	MURATA Takatoshi Kyoto Univ. of Edu.	XAFS Studies on Fe <sub>2</sub> O <sub>3</sub> nano-particles
99G274	NIWANO Michio Tohoku Univ.	Photoemission and Infrared Study of Dynamics of Reaction of Hydrogen on Semiconductor Surfaces
99G275	TIMCHENKO A.A Inst. of Protein Res.	Comparative analysis of conformation of fractionated humic acids soil and compost.
99G279	SHIMADA Hiromichi Nat'l. Inst. of Mater. Chem. Res.	XAFS Study of Y-zeolite-supported Rh Catalysts during Hydrogenation Reaction –Dynamic Structure Controlled Catalysis–
99G280	ASAKURA Kiyotaka Hokkaido Univ.	In-situ EXAFS investigation on the structure of catalytic active center for hydrosilylation reaction and additive effect
99G281	LEE Chul-Ho Electrotechnical Lab.	XAFS study in double-perovskite compounds exhibiting magnetoresistance
99G282	AKIMOTO Katsuhiro Univ. of Tsukuba	EXAFS analysis of rare earth ions in semiconductors
99G283	TATSUMI Takashi Yokohama Natl. Univ.	XAFS Study on Mo incorporated in SBA-1 and partial oxidation of methane
99G284	ONUJI Toshihiko JAERI	Research on fixation mechanism of elements to minerals and bacteria by XANES and EXAFS with synchrotron X-ray radiation
99G285	NAKAMURA Tomoki Kyushu Univ.	Trace element analyses of unmelted micrometeorites from Antarctica by SR-XRF
99G286	OHTA Toshiaki Univ. of Tokyo	EXAFS studies of dinitrogen-bridged binuclear ruthenium complex
99G287	OTSUKA Kiyoshi Tokyo Inst. of Tech.	Structural analysis of surface species of the catalysis for hydrocarbon oxidation by means of XAFS
99G288	FUJIOKA Hiroshi Univ. of Tokyo	XAFS Characterization of Wide-gap Materials for UV-Lasers
99G289	AMEMIYA Yoshiyuki Univ. of Tokyo	Dynamics study of layer structure and molecular orientation of ferroelectric liquid crystal under asymmetric electric field
99G290	SHUVAEVA Victoria A. Kansei Gakuin Univ.	XAFS study of the atomic displacements and phase transition in perovskite-type compounds
99G291	YONENAGA Ichiro Tohoku Univ.	Local atomic structure of GeSi alloy semiconductors

Proposal Number	Spokesperson	Title
99G292	ENTA Yoshiharu Hirosaki Univ.	Initial Thermal Reaction on Insulator/Silicon Surface Observed by Real-time Photoelectron Spectroscopy
99G293	HAYAKAWA Shinjiro Hiroshima Univ.	Impurity selective X-ray excited optical luminescence measurements from synthetic diamonds
99G294	KIKUCHI Kouichi Tokyo Metropolitan Univ.	XAFS Study of Tm-Encapsulated Metallofullerenes
99G295	BABA Yuji JAERI	Photo-fragmentation of adsorbed silicon alkoxide by inner-shell electron excitation
99G296	SEKIGUCHI Tetsuhiro JAERI	Polarization-angle dependent core-excitation-induced ion-desorption from adsorbed benzene substitution products
99G297	HAKOSHIMA Toshio Nara Inst. of Sci. & Tech.	X-ray structural Studies on histone-like protein HU from E.coli in complex with DNA
99G298	KONNO Michiko Ochanomizu Univ.	X-ray crystallographic studies on annexin IV
99G299	HAMADA Kensaku Shimane Univ.	Structural Studies of Chitosanase from <i>Matsuebacter chitosanotabidus</i>
99G300	YAMANE Takashi Nagoya Univ.	High resolution crystal structure analysis of cytochrome c
99G301	KAKUTA Yoshimitsu Osaka Univ.	X-Ray Crystallographic Analysis of Ternary Complex of Human Heparan Sulfate Sulfotransferase-Substrate-Inactive Cofactor
99G302	MIKI Kunio Kyoto Univ.	X-ray Crystallographic Studies of Group II Chaperonin from Hyperthermophilic Archaea
99G303	FUKUYAMA Keiichi Osaka Univ.	X-Ray Crystallographic Analysis of E.coli Fdx Involved in the Assembly of Iron-sulfur Clusters
99G304	HIGUCHI Yoshiki Kyoto Univ.	X-ray Structure Analysis of Sulfite Transporter Protein
99G305	DELBAERE L.T.J. Univ. of Saskatchewan	Structural determination of substrate/inhibitor complexes of PEP carboxykinase from <i>Escherichia coli</i> (PCK)
99G306	HASNAIN Samar Daresbury Laboratory	X-ray studies of copper proteins (Rusticyanin and superoxide dismutase) and their site specific mutants
99G307	TAKENAKA Akio Tokyo Inst. of Tech.	Structural study on damaged DNA and mutagenesis
99G308	YUTANI Katsuhide Osaka Univ.	X-ray Analysis of Tryptophan Synthase $\alpha$ -Subunit from a hyperthermophile, <i>P.furiosus</i>
99G309	YUTANI Katsuhide Osaka Univ.	X-ray Diffraction of Amyloid Fibril Proteins
99G310	YAMAMOTO Keizo Nara Medical Univ.	Structural studies on subunit interaction of glucose dehydrogenase
99G311	KATAOKA Mikio Nara Inst. of Sci. & Tech.	High-resolution crystal structure analysis of the deletion mutant of staphylococcal nuclease
99G312	HIROTSU Ken Osaka City Univ.	X-ray crystallographic study of histidinol phosphate aminotransferase
99G313	YAO Min Hokkaido Univ.	Study of Isoform Structures of Hemoglobin from <i>Lampetra japonica</i>
99G314	SAKAI Hiroaki Osaka Univ.	X-ray crystal structure analysis of Carbonic anhydrase
99G315	SENDA Toshiya Nagaoka Univ. of Tech.	Crystal structure analysis of biphenyl dioxygenase, BphA1A2 complex

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Proposal Number	Spokesperson	Title
99G316	HSIAO Chwan-Deng Academia Sinica, Taiwan	High resolution data collection of Cardiotoxin-Lipid complex at phase transition state
99G318	KAMITORI Shigehiro Tokyo Univ. of Agri. & Tech.	Structural study of <i>Thermoactinomyces vulgaris</i> $\alpha$ -amylases and their mutant enzymes
99G319	TANAKA Nobutada Showa Univ.	X-ray structure analysis of ribonuclease LE
99G320	KONDO Hidemasa Hokkaido Univ.	X-ray Crystal Structure Analysis of Arylmalonate Decarboxylase
99G322	SHIBATA Naoki Himeji Inst. of Tech	Synchrotron Radiation Study of Diol Dehydratase complexed with cobalamins
99G323	MIYOSHI Norio Fukui Medical Univ.	Cytochemical Detection of Active Oxygens produced by Monochromatic X-ray Radiation
99G324	ENDO Masahiro Natl Inst. Radiol. Sci.	Preparatory experiments for dual-energy X-ray CT
99G325	YOSHINO Hidenori Sapporo Medical Univ.	Solution Structure of Recombinant Calcineurin
99G326	HIIRAGI Yuzuru Kyoto Univ.	Structures of the Unfolded Large Size Proteins.
99G327	KONNO Takashi Natl Inst. Physiol. Sci.	Solution X-ray scattering analysis of protein interactions by heat-shock proteins.
99G328	HAMANAKA Toshiaki Osaka Univ.	X-ray diffraction studies on light induced structural changes of cephalopode visual cell
99G329	TAKAHASHI Hiroshi Nagoya Univ.	Structural analysis of phospholipid membranes containing polyunsaturated diacylglycerols
99G331	KOJIMA Masaki Tokyo Univ. Pharm. & Life Sci.	Structure refinement of X-ray solution scattering data of proteinases by molecular dynamics calculation
99G332	SHONO Atsushi Science Univ. of Tokyo	Characterization of b-casein micelle in the presence of divalent cation
99G333	FUJIWARA Satoshi JAERI	A Solution X-ray Scattering Study on the Amyloid-Formation Mechanism of Lysozymes
99G334	KIHARA Hiroshi Kansai Medical Univ.	Detailed structural analysis of protein in solution by SAXS with a flow cell and Imaging Plate
99G335	HATTA Ichiro Nagoya Univ.	Study on the formation of metastable phase in hydrated ceramide
99G336	IMAMOTO Yasushi Nara Inst. of Sci. & Tech.	Analysis of Transducer Protein Complex in Visual System
99G337	KIHARA Hiroshi Kansai Medical Univ.	Study on early events of protein folding at subzero temperatures monitored by stopped-flow x-ray scattering
99G338	TIMCHENKO A.A Inst. of Protein Res.	SAXS study of folding of ribosomal 16S RNA and its fragments. Statics and kinetics
99G339	FINK Anthony L. Univ. of California	Kinetic studies of protein folding at subzero temperatures
99G340	KOZONO Haruo Science Univ. of Tokyo	Analysis of structural fluctuation of major histocompatibility complex that affect to the peptides exchange reaction by small-angle X-ray scattering
99G341	FURUSAKA Michihiro KEK-IMSS	Nonbilayer formation mechanism of phospholipid/alcohol systems
99G342	IGARASHI Ysohihiko Dokkyo Univ. Sch. of Med.	The study on denaturing process of 3-Isopropylmalate dehydrogenase using Solution X-ray scattering

Proposal Number	Spokesperson	Title
99G343	KUWAJIMA Kunihiro Univ. of Tokyo	Studies on protein folding by time-resolved solution X-ray scattering using a two-dimensional CCD-type detector
99G344	MITAKU Shigeki Tokyo Univ. of Agri. & Tech.	Association Mechanism of Melittin by Small-Angle X-Ray Scattering
99G345	KATAGIRI Chihiro Hokkaido Univ.	Simultaneous small and wide angle x-ray diffraction and calorimetric measurements of polymorphic phase behavior of triacylglycerols found in insects
99G346	WAKABAYASHI Katsuzo Osaka Univ.	X-ray diffraction studies on the structural changes of regulatory proteins and F-actin in contracting skeletal muscles
99G347	WAKABAYASHI Katsuzo Osaka Univ.	X-ray Solution Scattering Studies on the Structures of Myosin Head and Its Complex with Actin Monomer, Dimer, and Trimer in the Elementary Steps of ATP hydrolysis
99G348	TANAKA Kiichiro Nagasaki Univ.	Correlation of molecular chaperon function and its molecular structure change
99G349	WATANABE Yasushi Natl Food Res. Inst.	Characterization of the unfolding and refolding of a $\beta$ -barrel membrane protein by synchrotron radiation small-angle X-ray scattering
99G350	IZUMI Yoshinobu Yamagata Univ.	Structure and Molecular Recognition of Calmodulin/Calmodulin-Kinase I, II, III or IV
99G351	IZUMI Yoshinobu Yamagata Univ.	Time-Resolved Studies on Molecular Recognition of Calmodulin/M13
99G353	ICHIMURA Kaoru Dokkyo Univ. Sch. of Med,	A study on association/dissociation mechanism of GroES oligomer and analysis of intermediates
99G354	GOTO Yuji Osaka Univ.	Molecular mechanism of heat and cold denaturation of proteins
99G356	YAJIMA Hirofumi Science Univ. of Tokyo	SAXS Studies on the Structures of the Complexes of Serum Transferrins with Its Serum Soluble-Type Receptor
99G357	TSUDA Sakae Hokkaido Natl. Ind. Res. Inst.	Solution X-ray Scattering of a new antifreeze protein intramolecular dimer RD3
99G358	KOIKE Masaki Electrotechnical Lab.	Experimental characterization of phase modulation X-ray focusing devices
99G359	OKUBO Masataka Electrotechnical Lab.	Experimental characterization of superconducting radiation detectors by focused/collimated X-ray beam
99G360	AMEMIYA Yoshiyuki Univ. of Tokyo	Development of Fabry-Perot type monochromator with high energy resolution
99G361	KITAJIMA Yoshinori KEK-PF	XAFS measurements of adsorbed Na
99G362	BAN Shuichi KEK Rad. Sci. Ctr.	Dose Measurements for Electro-magnetic shower simulation code EGS
99G363	HATANO Tadashi Tohoku Univ.	Characterization of Multilayer Mirrors for Soft X-ray Imaging Optics
99G364	SUGIYAMA Hiroshi KEK-PF	Diamond Monochromator for BL AR-NE3
99P001	ITO Fumitake Gunma Univ.	Soft X-ray Magnetic Circular Dichroism of Co Cluster
99P002	MUTAI Toshiki Univ. of Tokyo	Molecular Superstructure of Nucleoside Derivatives Based on The Unit Assembling Strategy
99P003	OKUNO Kenji Shizuoka Univ.	Effects of Inner Shell Electron Excitation on Chemical Stability of Metallo-Fullerene

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Proposal Number	Spokesperson	Title
99P006	LEE Chul-Ho Electrotechnical Lab.	Local Lattice Distortion of Sukutterudite-type compounds
99P008	TAHARA Yoshikazu Kyorin Univ.	Crystal Structure of Na <sup>+</sup> /K <sup>+</sup> -ATPase
99P009	ODAHARA Takayuki Nat'l Inst. Biosci. & Human-Tech.	Structure analysis of Rps.viridis RC-LH1 complex
99P010	TANIHARA Masao Nara Inst. of Sci. & Tech.	Basic studies for cancer therapy using targeting X-ray sensitizer.
99P013	MITSUISHI Tsutomu Utsunomiya Univ.	Study on screening of intermediate state in resonance photoemission process
99P014	PLEVERT Jacques Univ. of Tokyo	Strucsture determination of zeolite
99P015	HIRAI Mistuhiro Gunma Univ.	Structural study of occlusion process of proteins in water/AOT/organic solvent biphasic
99P016	MIYAYAMA Masaru Univ. of Tokyo	Analysis of Crystal Structure for Bismuth layer structured oxides by the Rietveld Method
99P017	MIZUNO Kaoru Shimane Univ.	Structural evaluation of hetero-epitaxial semiconductor thin film by synchrotron radiation topography
99P018	SHIRAI Masayuki Tohoku Univ.	The selenium forms in coal
99P021	TAKAHASHI Kiyoshi Kyushu Univ.	Deformation mechanism of high-impact polystyrene under tensile loading
99P022	TAKAHASHI Yasuhiro Osaka Univ.	Structure Analysis of Micro Single Crystal of Polyoxybenzoate and Polyxylylidine
99P023	TANAKA Kiichiro Nagasaki Univ.	The molecular structure in Chondroitin Sulfate Spherulite
99P024	HAYAKAWA Yoshihiko Tokyo Dental College	Dentoalveolar imaging using monochromatic SR and imaging plate
99P025	KITA Eiji Univ. of Tsukuba	Study on the ferromagnetic order of interlayer coupled magnetic layers in artificial superlattices
99P026	SAKURAI Hiroshi Gunma Univ.	Total Reflection Magnetic Compton Profile on Pd/Co Multilayers
99P027	IWASA Yoshihiro JAIST	Structural Analysis of Metallofullerene Single Crystals
99P028	ARIMA Takahisa Univ. of Tsukuba	Superlattice in Na <sub>1-x</sub> Ca <sub>x</sub> V <sub>2</sub> O <sub>5</sub>
99P029	ITO Atsushi Tokai Univ.	High resolution imaging of intracellular using X-ray contact microscopy
99C001*	MATSUSHITA Tadashi (Nippon Steel Corp.)	Dynamical explication of material processing with SR
99C002*	IIDA Atsuo (Fujitsu Lab. Ltd.)	Study on structure analysis of thin film surface and interface
99C003*	NOMURA Masaharu (CAC's)	XAFS structure analysis of heated catalyst
99C004*	NOMURA Masaharu (Mitsui Chem. Anal. Center)	XAFS analysis of small quantity metals in thin film and catalyst
99C005*	NOMURA Masaharu (Toray Research Center)	XAFS study on liquid material at high temperature
99C006*	NOMURA Masaharu (Petroleum Energy Center)	XAFS study on high-efficiency catalyst for hydrogenation of aromatic compounds

Proposal Number	Spokesperson	Title
99C007*	MURAKAMI Youichi (Furukawa Electric)	Mechanism of high-temperature superconduction in electric wires
99C008*	IIDA Atsuo (Canon Ltd.)	Study on microanalysis using SR X-ray microbeam
99C009*	HIRANO Keiichi (CRL Hitachi Ltd.)	Study on X-ray imaging
99C010*	YAGISHITA Akira (NTT Ltd.)	Study on semiconductor surface by high-resolution photoelectron spectroscopy
99C011*	YAGISHITA Akira (Nikon Corp.)	SR characterization of multi-layer mirrors for soft X-ray region
99C012*	KOBAYASHI Katsumi (NKK Corp.)	Technological establishment of physical analysis with SR
99C013*	NOMURA Masaharu (Sumitomo Chemical Corp.)	Structure and chemical analysis of catalyst using XAFS
99C014*	MATSUSHITA Tadashi (NEC Ltd.)	Characterization of semiconductor crystals with ultra precision X-ray optics
99C015*	IIDA Atsuo (Sumitomo Chemical Corp.)	Dyanmical structure change of synthesized ploymers with small angle scattering
99C016*	ANDO Masami (Toshiba Elec. Power System)	Study on perfectness of Si monochromator
99C017*	HORI Yoichiro (Toshiba Elec. Power System)	Dynamical study on outgassing by SR iiradiation
99C018*	MATSUSHITA Tadashi (FAIS)	Structural biology using SR X-rays
99C019*	ANDO Masami (Hitachi Zosen Corp.)	Development of high performance double crystal monochromators
99Y001**	WADA K. Mitsubishi Chemical Corp.	Structure analysis of Pd-Te catalyst by XAFS
99Y002**	TACHI S. Central Research Lab Hitachi Ltd.	8A: diffraction and scattering experiments, soft X-ray spectroscopy and microprobe, 8B: EXAFS experiments, total reflection measurements, 8C: X-ray microprobe, small sample XD, interference experiments
99Y003**	EDOKORO S. NEC Corp.	Photochemical and X-ray optics experiments
99Y004**	SATO S. Fujitsu Laboratories Ltd.	Material characterization by SR at BL-17A, 17B and 17C
99Y005**	OTSUKA K. Wakayama Public Prosecutor Office	Diagnosis analysis of judgement samples by fluorescence X-ray
99Y006**	EDOKORO S. NEC Corp.	Photochemical and X-ray optics experiments
99Y007**	OTSUKA K. Wakayama Public Prosecutor Office	Diagnosis analysis of judgement samples by fluorescence X-ray
99Y008**	SATO S. Fujitsu Laboratories Ltd.	Material characterization by SR at BL-17A, 17B and 17C
99Y009**	TACHI S. Central Research Lab Hitachi Ltd.	8A: diffraction and scattering experiments, soft X-ray spectroscopy and microprobe, 8B: EXAFS experiments, total reflection measurements, 8C: X-ray microprobe, small sample XD, interference experiments

\*C-type proposals are submitted by PF staff members in collaboration with private companies those shown in the parentheses.

\*\*Y-type proposals are submitted by researchers of private companies.

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Proposal Number	Spokesperson	Title
2000S2-002	ITO Masahisa Himeji Inst. of Tech.	Spin-and orbital-magnetic moment-density distribution of ferromagnets by X-ray magnetic diffraction
2000S2-003	TAKAHASHI Toshio Univ. of Tokyo	X-ray diffraction studies on structures and properties of interfaces of metal-semiconductors and insulator-semiconductors
2000G001	MIYAHARA Tsuneaki Tokyo Metropolitan Univ.	R & D study on MCD in the core-excitation emission spectroscopy
2000G002	SAKISAKA Yasuo Hirosaki Univ.	Angle-resolved Photoemission Study of Relativistic Effects in the Bulk Electronic Structure of Ni
2000G004	SHIN Shik Univ. of Tokyo	Soft X-ray emission studies on $Ba_8Si_{46}$ and $Na_8Si_{46}$
2000G005	KOBAYASHI Keisuke Inst. of Phys. & Chem. Res.	Soft X-ray Spectroscopy of Metal containing Bio-Proteins by Inner Core Excitation
2000G006	OKUDA Taichi Univ. of Tokyo	Surface Core level shift and ARPES measurements of Si(111) 3×1, 5×1 and 2×8 surfaces
2000G007	OKUDA Taichi Univ. of Tokyo	Photoemission study of one-dimensional Au chain on Ni(110)
2000G008	NAKAMURA Tetsuya Inst. of Phys. & Chem. Res.	Study of Quadrapole-Transition and Multi-Electron-Excitation at the Sm L-edge by MCDXES
2000G009	MASE Kazuhiko KEK-PF	Study of ion desorption induced by core-excitations by using electron-ion coincidence spectroscopy
2000G010	SAITOH Tomohiko KEK-PF	Electron Correlation in the Surface Electronic States of GaAs
2000G011	SAITOH Tomohiko KEK-PF	Electronic structure of double-perovskite-type transition-metal oxides
2000G012	OKUDAIRA Kouji Chiba Univ.	Site-specific reaction in oriented organic thin films by inner shell excitation
2000G013	YAMADA Nobuyoshi Univ. of Electro-Com.	X-ray Absorption Study near Oxygen K absorption edge in $(SrCa)_{14}Cu_{24}O_{41}$
2000G014	YOKOYAMA Toshihiko Univ. of Tokyo	S K-edge XANES of organic conductors
2000G015	YOSHIKAWA Masashi Univ. of Tsukuba	Absolute calibration of VUV and soft x-ray spectrograph for plasma diagnostics
2000G016	QIAO S. Hiroshima Univ.	Study of the surface electronic structure of Ni(110)
2000G017	EDAMOTO Kazuyuki Tokyo Inst. of Tech.	Angle-resolved photoemission study of alkali-metal adsorption on HfC(100), (111) surfaces
2000G018	IWAMI Motohiro Okayama Univ.	SXES study of electronic structures in transition-metal/SiC contact systems
2000G019	NAKAMURA Masato Univ. of Tokyo	Calibration of the oxygen ion EUV imager on sounding rocket
2000G020	TSUNETAKA Saku Natl. Astro. Observatory	The Development of High-Resolution X-ray CCD Cameras
2000G021	NAGATA Testuo Meisei Univ.	Measurement in the 4d Region of Absolute Photoionization Cross Sections for Ba, La and Eu Atoms
2000G022	KISHIMOTO Shunji KEK-PF	Observation of Nuclear Excitation by Electron Transition with APD electron detector

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Proposal Number	Spokesperson	Title
2000G023	IWAZUMI Toshiaki KEK-PF	Polarization Analysis of Resonant Inelastic X-ray Scattering
2000G024	MATSUBAYASHI Nobuyuki Natl. Inst. of Mater. Chem.	Study on SCN <sup>-</sup> metal complexes by NEXAFS and resonant photoelectron spectroscopy
2000G025	Res.SHIMADA Hiromichi Natl. Inst. of Mater. Chem.	Effect of elastic electron scattering on the effective attenuation length
2000G026	Res.SAITO Akira Osaka Univ.	Structural analysis of the CoSi <sub>2</sub> /Si(001) Interface by X-ray standing wave method
2000G027	FUKAI Yu Chuo Univ.	Constitution of metal-hydrogen alloys at high hydrogen pressures
2000G028	SUGIYAMA Kazumasa Univ. of Tokyo	Structural Analysis of the Approximant Phases for the Al-Co based decagonal quasicrystals
2000G029	SUGIYAMA Kazumasa Univ. of Tokyo	Structural Study of Al-Ga-Mg-Zn alloys by means of anomalous X-ray scattering
2000G030	TAKAHASHI Eiichi Tokyo Inst. of Tech.	Study on material property of the deep mantle plume
2000G031	UOSAKI Kouhei Hokkaido Univ.	In situ SXS study of electrodeposition process on metal electrodes
2000G032	URAYAMA Kenji Kyoto Univ.	Analysis of Topological Spatial Inhomogeneity in End-linked Model Polymer Networks
2000G033	SHIOMI Tomoo Nagaoka Univ. of Tech.	Competition between Component Chains in Crystallization of Block Copolymers
2000G034	TAKESHITA Hiroki Nagaoka Univ. of Tech.	Effects of Chain Conformation in Microphase Domains on Crystallization Process of Block Copolymers
2000G035	OKADA Yasumasa Electrotech. Lab.	Quantitative measurement of zero-ordered defects in silicon and compound semiconductor single crystals
2000G036	ANDO Masami KEK-PF	Development of High Resolution d-Spacing Measurement System for Si Crystal
2000G037	NUTTALL Christopher John JAIST	Low Temperature Crystal Structures of La@C82.nCS2
2000G038	YOSHIMURA Jun-ichi Yamanashi Univ.	Study of Nonprojectiveness of X-ray Diffraction Interference Fringes
2000G039	KANKE Yasushi Natl. Inst. Res. Inorag. Mat.	Structural analysis of magnetically ordered phases of KV <sub>6</sub> O <sub>11</sub> and BaV <sub>6</sub> O <sub>11</sub>
2000G040	TASHIRO Kouji Osaka Univ.	Trace of Structural Changes in Crystallization and Ferroelectric Phase Transition of Fluorine Polymers
2000G041	FUNAMORI Nobumasa Univ. of Tokyo	Molecular dissociation of liquid iodine under high pressure and high temperature
2000G042	SASAKI Toshihiko Kanazawa Univ.	Development of the new X-ray stress measurement with image plate
2000G043	DEGUCHI Hiroyuki Kyushu Univ.	The structural and properties of oxide nanoparticles in MCM-41
2000G044	TSUJI Kazuhiko Keio Univ.	Pressure dependence of structure of covalently-bonded liquid metals
2000G045	TSUJI Kazuhiko Keio Univ.	Pressure-induced phase transition in III-V compounds at low temperatures
2000G046	FUKAMACHI Tomoe Saitama Inst. of Tech.	X-ray dynamical diffraction with resonant scattering

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Proposal Number	Spokesperson	Title
2000G047	ISHIDA Kohtaro Science Univ. of Tokyo	Study on MBE crystals by X-ray measurements near the absorption edges
2000G048	ISHIDA Kohtaro Science Univ. of Tokyo	Study on ATS Scattering from the Tetrahedral Structure
2000G049	HAGIYA Kenji Himeji Inst. of Tench	Studies on structures and orientations of intermediates and products of solid state reactions
2000G050	HORIUCHI Hiroyuki Hirosaki Univ.	Perovskite-type $ABO_3$ : Lattice change caused by ionic radius of B
2000G052	OHBA Takuya Teikyo Univ.	Depth Dependence of Diffraction Profile in AuCd Shape Memory Alloy Related to Martensitic Transformation
2000G053	TAKAHASHI Isao Kansei Gakuin Univ.	X ray CTR scattering study of $SrTiO_3(001)$ surface near the structural phase transition
2000G055	SOEJIMA Yuji Kyushu Univ.	Potential Analysis at Ferroelectric Phase Transition by X-ray Resonant Scattering
2000G056	TAKAHASHI Toshio Univ. of Tokyo	Pure Measurement of Multiple Energy X-ray Holography
2000G057	AMEMIYA Yoshiyuki Univ. of Tokyo	Investigation of crystallization process in miscible blend PCL/PVB by using time- and spatial-resolved SAXS
2000G058	AMEMIYA Yoshiyuki Univ. of Tokyo	Investigation of crystallization process in crystalline/crystalline miscible blend PBSU/P(VDC-VC) by using time- and spatial-resolved SAXS
2000G061	HARADA Masafumi Nara Women's Univ.	SAXS Studies of the Formation Mechanisms of Metal Clusters in Micelles of Surfactants
2000G062	ENDO Shoichi Osaka Univ.	Determination of crystal structure of high-pressure and low-temperature phase and P-T diagram of ferromagnet CrTe
2000G063	YAMAGUCHI Hirotaka Electrotech. Lab.	Charge order in hole-doped one-dimensional chain system
2000G064	FUJIOKA Hiroshi Univ. of Tokyo	GIXD Study on Quantum Wires
2000G065	ARAI Masatoshi KEK-IMSS	Investigaton on the Incommensurate Structure and Spin Dynamics of high-Tc $YBa_2Cu_3O_{6+x}$
2000G066	UENO Satoru Hiroshima Univ.	Shear stress and ultrasonic effects for the acceleration of polymorphic crystallization on fats
2000G067	UENO Satoru Hiroshima Univ.	The kinetic study for fat crystallization process in O/W emulsion
2000G068	AKABORI Mitsuo JAERI	X-ray Absorption Spectroscopy Studies of Actinide Compounds
2000G069	NISHIKAWA Keiko Chiba Univ.	Study on Fluctuation of Supercritical Solutions
2000G070	YOKOYAMA Toshihiko Univ. of Tokyo	Determination of the structure of thin iron films on Cu(100) by Surface EXAFS
2000G071	YOKOYAMA Toshihiko Univ. of Tokyo	XAFS study of molecular magnets of prussian blue analogs
2000G073	OTSUKA Kiyoshi Tokyo Inst. of Tech.	Structural analysis of carbon-supported metal electrode effective for dechlorination of chloroaromatics
2000G074	TAKENAKA Sakae Tokyo Inst. of Tech.	Structural analysis of active species in catalysts effective for methane decomposition
2000G075	KOMATSU Takayuki Tokyo Inst. of Tech.	Structural Analysis of Ni-Sn Intermetallic Compound Fine Particles by XAFS

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2000G076	HARADA Masafumi Nara Women's Univ.	EXAFS Studies of the Formation Mechanisms of Metal Clusters in Micelles of Surfactants
2000G077	IWASAWA Yasuhiro Univ. of Tokyo	In situ XANES study on the state and amount of deposited carbons under reaction conditions on supported metal catalysts
2000G078	IWASAWA Yasuhiro Univ. of Tokyo	In situ XAFS characterization of the structural change of attached Co(II)catalysts associated with a new catalytic phenomenon during CO+NO reactions
2000G079	WATAOKA Isao Kyoto Univ.	Chain Conformation of Polymacromomer Electrolyte in Water
2000G080	NIWA Miki Tottori Univ.	XAFS Study on the Support Effect of Pd/Ga-MFI Catalysts for Combustion of Methane
2000G081	KOJIMA Norimichi Univ. of Tokyo	Study on EXAFS of Photo-sensitive Spin Crossover Fe Complexes
2000G082	OKUNO Kenji Shizuoka Univ.	Studies of Influence of Inner Shell Electron Emission following X-ray Absorption Stability of Metallo-Fullerene
2000G083	YOSHITAKE Hideaki Yokohama Natl. Univ.	XAFS Study on structure of Se/Au catalysts under reaction condition of CO/H <sub>2</sub> oxidation
2000G085	ASAKURA Kiyotaka Hokkaido Univ.	Total reflection fluorescence XAFS studies on the structure of Mo model catalysts on single crystal oxides
2000G086	MATSUI Tsuneo Nagoya Univ.	High temperature EXAFS study on local structures of uranium oxides with fluorite structure
2000G088	TAKANISHI Yoichi Tokyo Inst. of Tech.	2 Dimensional Analysis of Local Layer Structure in Chiral Smectic Liquid Crystals using X-ray Microbeam and Imaging Plate
2000G089	YAMAGUCHI Toshio Fukuoka Univ.	Determination of the Local Structure of Complexes Formed with Organotin(IV) and Biologically Active Ligands by EXAFS
2000G090	OYANAGI Hiroyuki Electrotech. Lab.	Polarized XAFS Studies of Local Lattice Distortions and Charge Ordering
2000G091	OYANAGI Hiroyuki Electrotech. Lab.	Fluorescence-Detected Polarized XAFS Study of Local Lattice Distortions in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub>
2000G092	KIGUCHI Manabu Univ. of Tokyo	Metal semiconductor transition induced by metal dope in thin films studied by EXAFS
2000G096	WATANABE Iwao Osaka Univ.	XAFS Analysis of Corroded Metal with Molten Salts
2000G097	KAGEYAMA Hiroyuki Natl. Res. Inst. Adv. Ind. Sci.	XAFS study on structure of Au clusters dispersed on titania dependent on particle size
2000G098	Tech.WAKITA Hisanobu Fukuoka Univ.	XAFS analysis of the local structure around iron(II) in hemoglobin of Yatsume eel
2000G099	WATANABE Iwao Osaka Univ.	Direct determination of surface excess
2000G100	YOSHIDA Hirohisa Tokyo Metropolitan Univ.	Formation mechanism of polymorphism of syndiotactic poly(styrene) from the melt
2000G101	SHIMURA Takayoshi Osaka Univ.	The Study of Ordered Structure of Thermal Oxide Layers on Si and Buried Oxide Layers in SIMOX Wafers
2000G102	NASU Hiroyuki Mie Univ.	Structure analysis of glasses with second-order nonlinearity and negative third-order nonlinearity
2000G103	OFUCHI Hironori Univ. of Tokyo	Study on initial growth process of semiconductor and magnetic materials grown on ferrite by fluorescence EXAFS
2000G105	OKAMOTO Yoshihiro JAERI	Structural Analysis of High-Temperature Actinide Melts by EXAFS

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2000G109	SHIMADA Hiromichi Natl. Inst. Mater. Chem. Res.	Local structural analysis of novel MoS <sub>2</sub> based catalysts
2000G110	HAGA Nobuhiko Himeji Inst. of Tech	SR-XRF study of the weathering process of Quaternary limestone
2000G111	ICHIKUNI Nobuyuki Chiba Univ.	Studies on the structure and growth process of various materials supported NbC and Mo <sub>2</sub> C species
2000G112	TAKEBE Hiromichi Kyushu Univ.	XAFS Studies on Er <sup>3+</sup> doped Ge-S glasses
2000G113	NANAO Susumu Univ. of Tokyo	Resonant Inelastic X-ray Scattering in Vanadium Oxide Catalysts
2000G114	NISHIGUCHI Hiroyasu Oita Univ.	The Effect of Ln (Ln=Ce,La) doping on the performance of AlPO <sub>4</sub> Catalysts in CFC's Decomposition
2000G115	KIM Changmin Kyungpook Natl. Univ.	NEXAFS investigation of SO <sub>2</sub> co-adsorbed with H <sub>2</sub> O and O <sub>2</sub> on Ni(100)
2000G116	TANOKURA Masaru Univ. of Tokyo	X-ray crystallography of cysteine protease inhibitor from rice, oryzacystatin
2000G117	TANOKURA Masaru Univ. of Tokyo	X-ray crystallography of 40 kDa calcium-binding protein
2000G118	TANOKURA Masaru Univ. of Tokyo	X-ray crystallography of the nitroreductase NfsB from E.coli
2000G119	HORIKOSHI Masami ERATO	X-ray structure analysis of a novel hydrolase which interacts with a basal transcription factor TFIIID
2000G120	YUAN Hanna S. Inst. Mol. Biol. Taiwan	High resolution data collection and MAD phasing of three proteins: Colicin E7, Malic enzyme, and Tyrosine aminotransferase
2000G121	OH Byung-Ha POSTECH	Structural Decoding of cell-Death and Cell-Survival Signals
2000G122	HAKOSHIMA Toshio Nara Inst. of Tech.	Studies on regulatory mechanism of GTP-cyclohydrolase-I based on the three-dimensional structure
2000G123	NITANAI Yasushi Toyohashi Univ. of Tech.	The crystal structures of the complexes of vancomycin
2000G124	TSUGE Hideaki Tokushima Bunri Univ.	Structure Analysis of Clostridium perfringens Iota Toxin
2000G125	KURAMITSU Seiki Osaka Univ.	X-ray crystallographic study of aminotransferase as a model for functional analysis
2000G126	HATA Yasuo Kyoto Univ.	Crystallographic Analysis of the Reaction Mechanism of Aspartase
2000G127	FUSHINOBU Shin-ya Univ. of Tokyo	Crystallographic analysis of xenobiotics-degrading enzyme CumD
2000G128	ODAHARA Takayuki Natl. Inst. of Biosci. Human-Tech.	Structure Analysis of Reaction Center with Light-Harvesting Proteins I from Rps. viridis
2000G129	KUMAR Penmecha K.R. Natl. Inst. of Biosci. Human-Tech.	Crystal structure of HutP protein: An RNA-binding protein that regulates hut operon by transcriptional antitermination mechanism in Bacillus subtilis
2000G130	MIKI Kunio Kyoto Univ.	X-ray Crystallographic Studies of V-type H <sup>+</sup> -ATPase

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2000G131	MIKI Kunio Kyoto Univ.	X-ray Crystallographic Studies of Prenyl Transferases
2000G132	SAKABE Noriyoshi FAIS	Accurate data collection strategies for SAD with screenless Weissenberg camera for protein structure analysis
2000G133	KAI Yasushi Osaka Univ.	Structural analysis of the reaction mechanism for phosphoenolpyruvate carboxylase
2000G134	KAI Yasushi Osaka Univ.	X-ray structural analysis of intein homing endonuclease from hyperthermophilic archaeon
2000G135	KAI Yasushi Osaka Univ.	X-ray crystallographic study of complex structures of human prostaglandin D synthase for drug design
2000G136	FUJIMOTO Zui Natl. Inst. of Agrobiol. Sci.	X-ray crystal structure analysis of cocksfoot mottle virus
2000G137	SHIBATA Naoki Himeji Inst. of Tech.	Crystal structural analysis of $Ca^{2+}$ /calmodulin-dependant protein kinase
2000G138	NONAKA Takamasa Nagaoka Univ. of Tech.	Structure and function of chitinases
2000G139	KUMAGAI Izumi Tohoku Univ.	X-ray crystal structure of mutated antibody-antigen complex obtained from molecular evolution
2000G140	KATAYANAGI Katsuo Hiroshima Univ.	The relationship between crystal structure and compressibility of DHFR mutants
2000G141	KOBAYASHI Yuji Osaka Univ.	Crystal Structures of Ribosome Recycling Factor
2000G142	WATAOKA Isao Kyoto Univ.	Structure of Acetylated glycopolymer in mixed solvent
2000G143	TOYOFUKU Fukai Kyushu Univ.	Development of the monochromatic x-ray stereo-fluoroscopy system using fluorescent x-ray generated by synchrotron radiation
2000G144	TOKUMORI Kenji Kyushu Univ.	Development of the monochromatic x-ray micro CT using fluorescent x-ray generated by synchrotron radiation
2000G146	MATSUOKA Shinji Sapporo Medical Univ.	Mechanism of phase separation of ganglioside GM3-DPPC Multibilayers
2000G147	MATSUSHIMA Norio Sapporo Medical Univ.	Solution X-ray Scattering Study of Interaction between Calmodulin and Many Myristoylated Proteins
2000G148	HIRAI Mitsuhiro Gunma Univ.	Structural study of microdomain formation and molecular recognition of glycosphingolipids
2000G149	HIRAI Mitsuhiro Gunma Univ.	Structure and superactivity of proteins occluded in AOT reversed micelles
2000G150	HIRAI Mitsuhiro Gunma Univ.	Structure formation and cooperative phenomenon of biopolymers under periodical magnetic field
2000G151	MATTEWS C. Robert Pennsylvania State Univ.	Residual structure in globular proteins, fragments and circular permutants
2000G152	INOKO Yoji Osaka Univ.	Structural Study of Ferritin Iron Core by a Combination of Anomalous X-ray Scattering and Contrast Variation Techniques
2000G154	TAJIMA Yoshiko Tokyo Metropolitan Univ.	X-ray Measurements of the Extensibility of Actin and Myosin Filaments in Contracting Molluscan Smooth Muscle
2000G155	SAKAKIBARA Yuzuru Univ. of Tsukuba	Synchrotron radiation microangiography for evaluating peripheral circulation of the extremity
2000G156	TANAKA Hidehiro Teikyo Heisei Jr. College	Molecular Mechanism underlying force responses to various sinusoidal length changes in tetanized muscles

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2000G159	AMEMIYA Yoshiyuki Univ. of Tokyo	Investigation of melittin/lipid interaction by using SAXS-DSC/SAXS-WAXS simultaneous measurement
2000G160	HIEDA Kotaro Rikkyo Univ.	DNA strand breaks induced by inner shell ionization of I and Pt
2000G161	NAKAI Izumi Science Univ. of Tokyo	Study of life history of <i>B. plicatilis</i> by SR-XRF analysis of the trace elements
2000G162	KATAOKA Mikio Nara Inst. of Tech.	Molecular recognition mechanism of Photoactive Yellow Protein
2000G163	KATAOKA Mikio Nara Inst. of Tech.	Solution structure of the deletion mutants and insertion mutants of Staphylococcal nuclease
2000G164	USAMI Noriko KEK-PF	Micro-structure of DNA strand breaks induced by Auger effects of iodine
2000G165	SUGI Haruo Teikyo Univ.	Molecular mechanism underlying force response to changes in stretch velocity by using the CCD X-ray detector
2000G166	AMEMIYA Yoshiyuki Univ. of Tokyo	Development of novel calibration method and quantitative measurement of dynamical properties of CCD-based X-ray detector
2000G167	HASHIZUME Hiroo Nara Inst. of Tech.	Study of magnetic interface structures in 3d/4f films using X-ray Resonant Magnetic Scattering
2000G168	KATO Hiroo Hirosaki Univ.	Angle-resolved Photoemission Study of Epitaxial Ce Films on W(110)
2000G169	YANO Kazuo Nihon Univ.	Separation of magnetic moment of single crystal $\text{Ni}_{50}\text{Gd}_{50}$ and $\text{Ni}_2\text{Gd}$ intermetallic compounds by magnetic Compton Scattering
2000G170	HAYAISHI Tatsuji Univ. of Tsukuba	Development of a toroidal photoelectron spectrometer II
2000G171	KINOSHITA Toyohiko Univ. of Tokyo	Study of surface magnetic dots with photoelectron emission microscopy
2000G172	KAWATA Hiroshi KEK-PF	Compton scattering study on Cu-Pd alloys
2000G173	YOKOYAMA Toshihiko Univ. of Tokyo	X-ray magnetic circular dichroism of photo-induced ferrimagnets of FeCo and CoW Prussian blue analogues
2000G174	WATANABE Kazuhisa Electrotech. Lab.	Angle-Resolved Photoemission Spectroscopy of Oxygen Covered Rh(110) and Cu(410) Surfaces
2000G175	SAITOH Tomohiko KEK-PF	Study on Electronic Structures of Carbon Nanotubes
2000G177	ITO Fumitake Gunma Univ.	Soft X-ray Magnetic Circular Dichroism of Co Cluster
2000G178	ITO Fumitake Gunma Univ.	X-ray Magnetic Circular Dichroism in Fe/Tb Artificial Multilayer System
2000G179	YANAGIHARA Mihiro Tohoku Univ.	Polarization spectroscopy of soft-x-ray emission from metal borides
2000G180	MURAKAMI Eigoro Chiba Univ.	Photoionization processes of inner-shells of Xe using threshold-electron spectroscopy
2000G181	IWAMI Motohiro Okayama Univ.	The electronic states of the interface for thin film (oxide,metal)/4H(6H)-SiC systems by using soft X-ray emission spectroscopy

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2000G182	MORIOKA Yumio Univ. of Tsukuba	Measurements of N <sub>2</sub> ZEKE spectra
2000G183	KOIZUMI Tetsuo Rikkyo Univ.	Absolute measurement of 4d-photoionization cross sections for multi-charged ions of heavy atoms
2000G184	ISHII Hiroyoshi Tokyo Metropolitan Univ.	Resonant Photoemission Spectroscopy of La <sub>1-x</sub> Ce <sub>x</sub> Fe <sub>4</sub> P <sub>12</sub> and PrFe <sub>4</sub> P <sub>12</sub>
2000G186	HIGUCHI Tohru Science Univ. of Tokyo	Electron Correlation Energy near the Mott-Transition of La <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> by Soft-X-ray Emission Spectroscopy
2000G187	YAGISHITA Akira KEK-PF	Photoelectron angular distributions from oriented linear triatomic and hydrocarbon molecules
2000G188	ADACHI Jun-ichi KEK-PF	Core-level photoionization dynamics of the diatomic molecules with lone pair electron
2000G189	NAKAMURA Tetsuya Inst. of Phys. & Chem. Res.	Direct observation of the high- and the low-spin states of 3d electrons in transition metals by resonant x-ray emission spectroscopy
2000G190	PARK Chong-Yun Sung Kyun Kwan Univ.	Atomic and electronic structure of the Ga, In-induced nanostructures on Si(112) surface
2000G191	KAKIZAKI Akito KEK-PF	Temperature dependence of spin-polarized electronic states of Fe thin films
2000G192	KAKIZAKI Akito KEK-PF	Evolution of ferromagnetism in O/Cr(001)
2000G193	SMITH Peter L. Harvard College Observatory	VUV Photoabsorption Cross Sections for Astronomy
2000G194	NAKAJIMA Nobuo Hirosaki Univ.	Study on Crystal Orientation Dependence in Magneto-Optic Effect of Epitaxial Fe films
2000G195	KOIDE Tsuneharu KEK-PF	Angle-Resolved Magnetic Circular and Configuration-Dependent Magnetic Linear X-ray Dichroism in Highly Correlated 3d, 4d, 4f Electron Compounds
2000G196	KONO Shozo Tohoku Univ.	Structural analysis of unsaturated organic-molecules adsorbed on Si(001) surface by chemical-shift-resolved photoelectron diffraction
2000G197	SAKURAI Hiroshi Gunma Univ.	Total Reflection Magnetic Compton Profile on Co Clusters
2000G198	YOSHINOBU Jun Univ. of Tokyo	Site-selective reaction of the asymmetric dimer on Si(100)(2×1) using high-resolution photoelectron spectroscopy
2000G199	SAWA Hiroshi Chiba Univ.	Study of the direct analysis method of the orbital ordering for K <sub>2</sub> CuF <sub>4</sub> system
2000G200	AKIMOTO Kouichi Nagoya Univ.	Lattice relaxation at the semiconductor surface
2000G201	MASUMOTO Yasuaki Univ. of Tsukuba	Small Angle X-ray Scattering of Micrystals of IV-VI semiconductors
2000G202	YAMAWAKI Hiroshi Natl. Inst. of Mater. Chem. Res.	High-pressure structural study of hydrogen-bonded molecular crystals
2000G203	OKUDA Kouji Nara Inst. of Tech.	Mechanism of self alignment of nano-precipitates under shear deformation in Al-based alloys
2000G204	NAGAMURA Kozo Kyoto Univ.	Precipitation Process of metastable phase in super-strength Al based alloys
2000G205	SOEJIMA Yuji Kyushu Univ.	DAFS and FRED on Satellite diffraction of Ca <sub>2</sub> CoSi <sub>2</sub> O <sub>7</sub>
2000G206	KOJIAMA Kenji Univ. of Tokyo	Structural analysis of high T <sub>c</sub> cuprate with stripes: (La,Eu,Sr) <sub>2</sub> CuO <sub>4</sub>

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2000G209	MIZUKI Jun-ichiro JAERI	Dependence of the Mn Local Structure on Sr Concentration in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$
2000G210	TAKEMURA Ken-ichi Nat'l. Inst. Res. Inorg. Mat.	Search for an ultrahigh-pressure phase of Ge
2000G211	KUBO Tomoaki Tohoku Univ.	Kinetics of the post-garnet transformation in pyrope
2000G212	TANG Jie Nat'l Res. Inst. of Metals	The Structure of Carbon Nanotubes under Pressure
2000G213	HIRAI Hisako Univ. of Tsukuba	Structural changes of gas hydrates depending on pressure and size of guest molecule
2000G214	AOKI Sadao Univ. of Tsukuba	3D-reconstruction of phase objects with x-ray holographic microscopy
2000G215	MIYAYAMA Masaru Univ. of Tokyo	Analysis of Crystal Structure for Bismuth layer-structured oxides
2000G216	SUITO Kaichi Osaka Univ.	Observation of elementary process in the formation of ultrahard phase from fullerene under high pressure
2000G217	MANIWA Yutaka Tokyo Metropolitan Univ.	Study of carbon nano-structural materials
2000G218	TABUCHI Masao Nagoya Univ.	Investigation of distributions of group-III atoms in III-V compounds semiconductor heterostructures by X-ray CTR using anomalous dispersion
2000G219	ISHIDA Kotaro Science Univ. of Tokyo	Study of Phase Transition in Chalcopyrite
2000G220	SHIROTANI Ichimin Muroran Inst. of Tech.	Pressure-induced phase transitions of $\text{LuX}$ ( $\text{Lu}=\text{P,As,Sb}$ ) with NaCl-type structure
2000G221	OHTAKA Osamu Osaka Univ.	Simultaneous Measurements of Electric Conductivity and X-ray Diffraction of $\text{ZrO}_2$ under High Pressure and Temperature
2000G222	MIZUNO Kaoru Shimane Univ.	Evaluation of Lattice defects in Al thin film by means of synchrotron radiation topography
2000G223	INAMI Toshiya JAERI	Quadrupole order in $\text{UPd}_3$
2000G224	INAMI Toshiya JAERI	Short range order of orbital in $\text{V}_2\text{O}_3$
2000G225	SHIMIZU Katsuya Osaka Univ.	In situ electrical transport measurement and structural observation at high pressure
2000G226	TAKEDA Keiki Osaka Univ.	Simultaneous measurement of electrical resistance and X-ray diffraction of one-dimensional Platinum complex $[\text{Pt}(\text{bqd})_2]$ using CCD-based X-ray detector at high pressure
2000G227	YAMAGUCHI Hirotaka Electrotech. Lab.	X-ray diffraction study on hole-doped one-dimensional system
2000G228	TERADA Yasuko Science Univ. of Tokyo	Structural determination of spinel and layer compounds using in situ high resolution powder diffraction analysis
2000G231	YAMANAKA Takamitsu Osaka Univ.	Single-crystal structure analysis of $\text{MgSiO}_3$ perovskite and $\gamma\text{-SiO}_2$ stichovite under high pressures of 20-50 GPa

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2000G232	YAMANAKA Takamitsu Osaka Univ.	Investigation of amorphization and stability of $\text{Co}(\text{OH})_2$ under high pressure
2000G233	AMITSUKA Hiroshi Hokkaido Univ.	Structural analyses under high pressure on the heavy electron system $\text{URu}_2\text{Si}_2$
2000G234	NAKAYAMA Atsuko Natl. Inst. of Mater. Chem. Res.	Structural study of pressure-induced metallization of organic monomolecules by x-ray powder diffraction measurements
2000G235	YIEKINK Ert Univ. of Adelaide	Molecular architecture of zinc, cadmium and mercury bis thiolates
2000G237	TAKAHASHI Hiroyuki Univ. of Tokyo	Test of a multi-grid type MSGC
2000G238	MARUAYAMA Kenji Niigata Univ.	Structural study of transition metal chalcogenide microclusters confined in the zeolite pores
2000G239	MATSUBARA Eiichiro Tohoku Univ.	Study on the Mechanism of Nano-Quasicrystals in ZrPt-Based Bulk Amorphous Alloys
2000G242	SUGIYAKA Masaaki Kyushu Univ.	Structural Change of Gel with Competing Interactions on Shrinking Process
2000G243	TAKENAKA Mikio Kyoto Univ.	Pressure induced phase transition of block copolymers
2000G244	KONISHI Hiroyuki JAERI	Local Structural Analysis of the Rust of Fe-Cr alloy
2000G245	USUKI Takeshi Yamagata Univ.	Amorphizing process in amorphous Ge-Se alloying method
2000G246	MATSUURA Makoto Miyagi Nat'l College of Tech	Origin of ferromagnetic interaction of Mn in icosahedral clusters in $\text{LaCo}_{13}$
2000G247	KATO Tadashi Tokyo Metropolitan Univ.	Structure of Lyotropic Liquid Crystal Phases Formed by Surfactants and Water
2000G248	KUBOZONO Yoshihiro Okayama Univ.	XAFS and XANES Study on the Structure and Electronic Properties of Metal Endohedral Fullerenes
2000G249	HARUAYAMA Osami Science Univ. of Tokyo	Study on local structure in a relaxed Cu-Zr metallic glass by anomalous X-ray scattering
2000G250	TABUCHI Masao Nagoya Univ.	Investigation of local structures around Er co-doped in semiconductors with other impurities by EXAFS
2000G251	TABUCHI Masao Nagoya Univ.	Investigation of self-organized quantum-dot-structures of III-V compound semiconductors by fluorescence EXAFS
2000G252	IYAMA Taku Shinshu Univ.	Self-organized cluster formation mechanism of water and small molecules on micropore
2000G253	MIYANAGA Takafumi Hirosaki Univ.	The phase transition and the semiconductor-metal transition of tellurium-selenium droplets
2000G254	KANAYA Toshiji Kyoto Univ.	Structural Formation of Main Chain Polymer Liquid Crystals by Time-resolved Small Angle X-ray Scattering
2000G255	NAKAI Izumi Science Univ. of Tokyo	In situ XAFS analysis of oxides of Nb, V, Ta and Mn for Li secondary battery materials
2000G256	GAPONOV Iouri Siberian SR Center	Investigation of the structure rearrangement during the sol-gel process of sols of hydrated oxides by SAXS using synchrotron radiation
2000G258	MUROGA Yoshio Nagoya Univ.	Micelle Formation of Anionic Diblock Copolymer in Solution and the Micellar Structure

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2000G260	IWASAWA Yasuhiro Univ. of Tokyo	XAFS characterization of supported rhenium oxide thin layer catalysts
2000G262	KIM Sunghyun Konkuk Univ.	In situ x-ray absorption spectroscopic studies for the deintercalation behavior of lithium in NiCo and NiMn binary oxide electrodes
2000G263	OHTA Toshiaki Univ. of Tokyo	XAFS study of local structure of magnetic clusters of manganese oxides
2000G264	TAKAHASHI Kiyoshi Kyushu Univ.	Deformation Mechanisms of High-impact Polystyrene
2000G265	YAITA Tsuyoshi JAERI	Clarification of ion recognition mechanism of functional organic materials
2000G266	WATANABE Norio Univ. of Tsukuba	X-ray fluorescence micro-CT with Wolter mirror optics
2000G267	TAKAHASHI Yoshio Hiroshima Univ.	Determination of Ce <sup>III</sup> /Ce <sup>IV</sup> and Eu <sup>II</sup> /Eu <sup>III</sup> ratios in rocks by fluorescent XANES
2000G268	TAKAHASHI Yoshio Hiroshima Univ.	XANES study on the enrichment of trace element at mineral surface by redox reactions
2000G269	TATSUMI Takashi Yokohama Natl. Univ.	XAFS Study on Structure and Surface Reactivity of Amorphous TiO <sub>2</sub> of extremely high surface area.
2000G270	ICHIKAWA Masaru Hokkaido Univ.	XAFS Characterization of Pt-containing Bimetallic Nanowires in Mesoporous Materials
2000G272	MIYANAGA Takafumi Hirosaki Univ.	In-situ XAFS measurements for the meso-scopic Ag clusters zeolites
2000G273	SUGAWARA Katsuyasu Akita Univ.	XAFS study on characterization of metal forms in various ash
2000G274	ARITANI Hirofumi Kyoto Inst. of Tech.	Structural change with red-ox performance of molybdena species supported on silica-alumina for metathesis catalyst
2000G275	OYAMA Shigeru Ted Virginia Tech.	NEXAFS Investigation of Transition metal Phosphide Catalysts
2000G276	ASAKURA Kiyotaka Hokkaido Univ.	Polarization dependent total reflection fluorescence XAFS study about a metal-support interaction on the single crystal oxide model surface
2000G277	LEE Jae-Sung & KANG Yong-Soo POSTECH & KIST	An XAFS Study on Silver ion in Facilitated Transport Membranes
2000G278	ITO Masatoki Keio Univ.	Non-situ XAFS study of the alkali metal on the noble metal surface
2000G279	IIDA Astuo KEK-PF	Dynamic local layer structure characterization of the (anti-)ferroelectric liquid crystals
2000G280	SAITO Takeru JAERI	Energy tunable XPS and EXAFS study on the formation of β-FeSi <sub>2</sub>
2000G281	ICHIKAWA Masaru Hokkaido Univ.	In situ-Fluorescence XAFS Study on Catalysts for Methane Dehydroaromatization Reaction
2000G282	ARAKI Tohru Saitama Univ.	NEXAFS Studies on Organized Molecular Films containing Fluorocarbon chains
2000G283	YOSHIMURA Yuji Natl. Inst. of Mater. Chem. Res.	In-situ XAFS study of noble metal catalysts with high sulfur durability

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2000G284	FUJIOKA Hiroshi Univ. of Tokyo	Characterization of tunneling gate insulators for integrated circuits
2000G285	NAKAI Izumi Science Univ. of Tokyo	XAFS study of the role of trace elements in ferrite and barium titanates
2000G286	ICHIKUNI Nobuyuki Chiba Univ.	In-situ studies on the structure of Mo oxide photo catalyst during photo activation process
2000G287	SAKURAI Masaki Tohoku Univ.	Structural analysis around supersaturated elements (Cu, Ti, Zr, Nb, Ta, Au) in pure iron
2000G288	KIGUCHI Manabu Univ. of Tokyo	Structure and interatomic potential at the impurity in alkali halide
2000G289	CHEN Min-qin Fudan Univ.	The study on relationship between crystal structure and function of thermostable catechol 2,3-dioxygenase
2000G290	WANG Da-Cheng Inst. of Biophysics	Crystal Structure Analysis of Insect-Specific Neurotoxin from East Asia Scorpion Venome
2000G291	SUH Se Won Seoul Natl. Univ.	Synchrotron data collection of $\beta$ -xylosidase and stationary phase survival protein
2000G292	NAKAE Taiji Tokai Univ.	Structural analysis of bacterial transporter proteins
2000G293	INAGAKI Fuyuhiko Hokkaido Univ.	X-ray crystallographic study on TPR domain of p67phox
2000G294	FUJIMOTO Zui Natl. Inst. of Agrobio. Sci.	Crystallographic study of rice $\alpha$ -galactosidase
2000G295	KIDOKORO Shun-ichi Nagaoka Univ. of Tech.	The complex structure of a metalloprotease, thermolysin and several kinds of the stereoisomeric inhibitors
2000G296	LIAW Shwu-Huey Natl. Yang-Ming Univ.	High resolution data collection of hepatitis c virus NS 3 proteins
2000G297	KIM Kyeong-Kyu Sung Kyun Kwan Univ.	Crystal Structure Analysis of Junior Chaperon
2000G300	WATANABE Nobuhisa Hokkaido Univ.	Crystal structure analysis of the DNA binding domain mutant of OmpR
2000G301	TADA Toshiji Osaka Pref. Univ.	Structural Study of Glyceraldehyde-3-phosphate Dehydrogenase being Resistant to Hydrogen Peroxide
2000G302	TADA Toshiji Osaka Pref. Univ.	X-Ray Crystal Structure Analysis of Fructose-1,6-Bisphosphatase II Complexed with Substrate
2000G303	HIROTSU Ken Osaka City Univ.	X-ray crystallographic study of quinoxinoprotein amine dehydrogenase
2000G304	MIYAHARA Ikuko Osaka City Univ.	X-ray crystallographic study of Acyl-CoA Oxidase
2000G305	TANOKURA Masaru Univ. of Tokyo	X-ray crystallography of RdxA, a nitroreductase from <i>Helicobacter pylori</i>
2000G306	TANOKURA Masaru Univ. of Tokyo	X-ray Crystallography of brazzein, a sweet protein
2000G307	TANOKURA Masaru Univ. of Tokyo	X-ray crystallography of the azo reductase AcpD from <i>E.coli</i>
2000G308	TANAKA Nobutada Showa Univ.	Crystal structure analysis of glutathione-independent formaldehyde dehydrogenase
2000G309	IBUKA Akiko Shizuoka Pref. Univ.	Crystallographic analysis of pyruvate kinase from <i>Bacillus stearothermophilus</i>

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Proposal Number	Spokesperson	Title
2000G310	KURISU Genji Osaka Univ.	Structural analysis on substrate recognition mechanism of 2,3-butanediol dehydrogenase
2000G311	SAKAI Hiroaki Osaka Univ.	X-ray crystal structure analysis of tyrosine phosphatase
2000G312	MIKI Kunio Kyoto Univ.	X-ray Crystallographic Studies of Aspartate Racemase
2000G313	HATA Yasuo Kyoto Univ.	Crystal Structure Analysis of Mitogenic Activity of Pokeweed Lectins
2000G314	YAMAGUCHI Hiroshi Kansei Gakuin Univ.	Structural study on the topaquinone biogenesis in amine oxidase
2000G315	TANAKA Nobuo Tokyo Inst. of Tech.	X-ray crystal structures of GroEL apical domain fused substrate like peptides
2000G316	SATO Takao Tokyo Inst. of Tech.	The structural assessment of protein crystal grown under a high magnetic field
2000G317	AMEMIYA Yoshiyuki Univ. of Tokyo	Application of 3 × 6 arrayed CCD-based X-ray detector for protein crystallography
2000G318	KIKUCHI Akihiro Inst. of Phys. & Chem. Res.	Structural Characterization of Ethylene Binding Site in Ethylene Sensor Protein ETR1 by XAFS
2000G320	TANIHARA Masao Nara Inst. of Tech.	Studies for cancer therapy using targeting X-ray sensitizer
2000G321	SHIMA Yasufumi Osaka Univ.	Crowding effect of proteins with random sequence in polyethyleneglycol
2000G322	HIIRAGI Yuzuru Kyoto Univ.	Structure of <i>Caenorhabditis elegans</i> Galectin in Solution; Studied by SAXS Method
2000G324	OKOSHI Kenji Ishinomaki Senshu Univ.	Hard tissue formation and biomineralization in the early developing stage of the chiton <i>Acanthopleura japonica</i>
2000G325	KUWAJIMA Kunihiro Univ. of Tokyo	Function-related structural change of the chaperonin GroEL studied by large angle X-ray scattering
2000G326	YAO Haruhiko Tokyo Inst. of Tech.	Structural Analysis of the double-period ripple phase in phosphatidylcholines
2000G327	ITO Atsushi Tokai Univ.	Evaluation of contact microscopy using newly developed two dimensional X-ray detector with high spatial resolution
2000G328	ITO Atsushi Tokai Univ.	Intracellular distribution of heavy metal elements using soft X-ray contact microscopy
2000G329	KASAI Kiyomi Natl. Inst. of Radiological Sci.	Analysis of DNA damages produced by K-shell photoionization of phosphorus in DNA repair-deficient mammalian cells
2000G330	GRUEBELE Martin Univ. of Illinois	Early events of folding of mutated ubiquitin
2000G331	URAKAWA Hiroshi Kyoto Inst. of Tech.	Structural Analysis of bFGF-Heparine Complex Observed by Small-Angle X-ray Scattering
2000G332	MAEZAWA Hiroshi Tokushima Univ.	Repairability of DNA double-strand breaks in cells produced by K-shell photoionization of phosphorus –Analysis using an antibody of repair enzyme.
2000G333	KOBAYASHI Katsumi KEK-PF	Development of X-ray microbeam for irradiating individual cells
2000G334	KOBAYASHI Katsumi KEK-PF	Measurement of DNA strand break in cells induced by monochromatic X-ray
2000G335	SAITO Kuniaki JAERI	Studies on radiobiological cellular effects of concentrated energy deposition to DNA

Proposal Number	Spokesperson	Title
2000G336	NAKAI Izumi Science Univ. of Tokyo	Study of dynamical behavior of arsenic in biological samples suffering from professional, acute and chronic arsenic poisoning
2000G337	JAMES Veronica Australian Natl. Univ.	Fibre diffraction studies of hair from patients (a) with different forms of breast cancer: (b) with cancers at different locations and (c) from different racial backgrounds
2000P001	KURITA Susumu Yokohama Natl. Univ.	X-ray diffraction study of titanium dioxide under high pressure
2000P002	YAMAGUCHI Hiroataka Electrotech. Lab.	XAFS study on Al and P ions implanted in SiC
2000P003	HARADA Kazuaki Natl. Inst. Biosci. & Human-Tech.	Structure Analysis of Enzymes from Hyperthermophilic Archaeon
2000P005	TANIGUCHI Masaki Hiroshima Univ.	X-ray Fluorescence Study of Otoconia
2000P006	OHTA Toshiaki Univ. of Tokyo	Structural study of Br adsorbed on a Ag single crystal electrode by potential-modulated XAFS method
2000P007	OFUCHI Hironori Univ. of Tokyo	Analysis of local structures around rare-earth atoms doped in III-V semiconductor by x-ray excited photoluminescence EXAFS
2000P008	KATO Ryuichi Osaka Univ.	Analysis of structural change of DNA repair enzymes by ligand binding
2000P010	TAKAHASHI Yasuhiro Osaka Univ.	X-Ray Diffraction by a fine single crystal of poly(p-hydroxybenzoate)
2000P011	NOGUCHI Takaaki Ibaraki Univ.	Study on ultrahigh-pressure minerals in chondrites
2000P012	IKEDA Takuji Natl. Inst. Res. Inorg. Mat.	Structural Study of Microporous Compounds by Synchrotron Powder Diffraction
2000P014	MANIWA Yutaka Tokyo Metropolitan Univ.	Local structure of alkali-loaded zeolite
2000P015	TAKAHASHI Masashi Toho Univ.	Electronic States of Iron Complexes Studied by Nuclear Forward Scattering
2000P016	MARUYAMA Kouichi Nat'l Res. Inst. of Metals	Magnetic Properties of Electrodeposited Film dependent on Electrocatalysis
2000P017	OHSATO Hitoshi Nagoya Inst. of Tech	Crystal structure and piezoelectric properties of $R_3Ga_5SiO_{14}$ (R=rare earth) single crystals
2000P018	IZUMI Yasuo Tokyo Inst. of Tech.	Study of Attached Ruthenium Cluster Catalysts for $SO_2$ and NO Removal
2000P019	OHTA Toshiaki Univ. of Tokyo	Establishment of light-modulated XAFS spectroscopy
2000P020	SHIRAI Tuyoshi Nagoya Univ.	Structure analysis of artificial proteins
2000C01*	MATSUSHITA Tadashi (Nippon Steel Corp.)	Dynamical explication of material processing with SR
2000C02*	IIDA Atsuo (Fujitsu Lab. Ltd.)	Study on structure analysis of thin film surface and interface
2000C03*	NOMURA Masaharu (CAC's)	XAFS analysis of dopants in semiconductor compounds
2000C04*	NOMURA Masaharu (Mitsui Chem. Anal. Center)	XAFS analysis of small quantity metals in thin film and catalyst
2000C05*	NOMURA Masaharu (Toray Research Center)	XAFS study on liquid material at high temperature

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Proposal Number	Spokesperson	Title
2000C06*	NOMURA Masaharu (Petroleum Energy Center)	XAFS study on high-efficiency catalyst for hydrogenation of aromatic compounds
2000C07*	NOMURA Masaharu (Sumitomo Chemical Corp.)	Structure and chemical analysis of catalyst using XAFS
2000C08*	YAGISHITA Akira (NTT Ltd.)	Study on semiconductor surface by high-resolution photoelectron spectroscopy
2000C09*	IIDA Atsuo (Canon Ltd.)	Study on microanalysis using SR X-ray microbeam
2000C10*	YAGISHITA Akira (Nikon Corp.)	SR characterization of multi-layer mirrors for soft X-ray region
2000C11*	KOBAYASHI Katsumi (NKK Corp.)	Technological establishment of physical analysis with SR
2000C12*	NOMURA Masaharu (NEC Ltd.)	Structure characterization of material for semiconductor devices
2000C13*	HIRANO Keiichi (CRL Hitachi Ltd.)	Study on X-ray imaging
2000C14*	KAMIKUBO Hironari (Toray Research Center)	Study on polymer materials with SAXS
2000C15*	MATSUSHITA Tadashi (FAIS)	Structural biology using SR X-rays
2000C16*	ANDO Masami (Kawasaki Heavy Industries Ltd.)	Study on medical diagnosis systems with SR monochromatized X-ray
2000C17*	HORI Yoichiro (Toshiba Elec. Power System)	Dynamical study on outgassing by SR irradiation
2000C18*	IIDA Atsuo (Sumitomo Chemical Corp.)	Dynamical structure change of synthesized polymers with small angle scattering
2000Y01**	KOIZUMI H. Central Research Lab Hitachi Ltd.	8A: soft X-ray spectroscopy and microprobe 8B: EXAFS experiments, total reflection measurements 8C: interference experiments, reflectivity measurements, XD
2000Y02**	SATO S. Fujitsu Laboratories Ltd.	Material characterization by SR at BL-17A, 17B and 17C
2000Y03**	FUJISAKI M. Fujitsu Laboratories Ltd.	Material characterization by SR at BL-17A, 17B and 17C
2000Y04**	KOIZUMI H. Central Research Lab Hitachi Ltd.	8A: diffraction and scattering experiments, soft X-ray spectroscopy and microprobe 8B: EXAFS experiments, total reflection measurements 8C: interference experiments, XD

\*C-type proposals are submitted by PF staff members in collaboration with private companies those shown in the parentheses.

\*\*Y-type proposals are submitted by researchers of private companies.