

List of Proposals

List of Experimental Proposals Accepted for FY2000

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 Hiroasaki 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 ₈ Si ₄₆ and Na ₈ Si 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-dimentional 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	TSUNETA Saku Natl. Astronomical 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 election detector
2000G023	IWAZUMI Toshiaki KEK-PF	Polarization Analysis of Resonant Inelastic X-ray Scattering
2000G024	MATSUBAYASHI Nobuyuki Natl. Inst. of Mater. Chem. Res.	Study on SCN- metal complexes by NEXAFS and resonant photoelectron spectroscopy
2000G025	SHIMADA Hiromichi Natl. Inst. of Mater. Chem. Res.	Effect of elastic electron scattering on the effective attenuation length
2000G026	SAITO Akira Osaka Univ.	Structural analysis of the CoSi ₂ /Si(001) Interface by X-ray standing wave method
2000G027	FUKAI Yu Chuo Univ.	Constitution of metal-hydrogen alloys at high hydrogen pressures

Proposal Number	Spokesperson	Title
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.	<i>In situ</i> 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_6O_{11} and BaV_6O_{11}
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
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 Tech.	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

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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 Hiroataka 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	Investigation on the Incommensurate Structure and Spin Dynamics of high- T_c $YBa_2Cu_3O_{6+x}$
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
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	<i>In situ</i> XANES study on the state and amount of deposited carbons under reaction conditions on supported metal catalysts
2000G078	IWASAWA Yasuhiro Univ. of Tokyo	<i>In situ</i> 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 ₂ 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 $YBa_2Cu_3O_y$
2000G092	KIGUCHI Manabu Univ. of Tokyo	Metal semiconductor transition induced by metal dope in thin films studied by EXAFS

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2000G096	WATANABE Iwao Osaka Univ.	XAFS Analysis of Corroded Metal with Molten Salts
2000G097	KAGEYAMA Hiroyuki Natl. Res. Inst. Adv. Ind. Sci. Tech.	XAFS study on structure of Au clusters dispersed on titania dependent on particle size
2000G098	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
2000G107	NANAO Susumu Univ. of Tokyo	Structural analysis by EXAFS in ferromagnetic Al-Mn-Fe-Ge and Al-Pd-Mn-B quasicrystals
2000G108	MATSUBAYASHI Nobuyuki Natl. Inst. Mater. Chem. Res.	Mo M-edge NEXAFS and resonant photoemission study on molybdenum sulfide model catalysts
2000G109	SHIMADA Hiromichi Natl. Inst. Mater. Chem. Res.	Local structural analysis of novel MoS ₂ based catalysts
2000G110	HAGA Nobuhiko Himeji Inst. of Tech.	SR-XRF study of the weathering process of Quarternary limestone
2000G111	ICHIKUNI Nobuyuki Chiba Univ.	Studies on the structure and growth process of various materials supported NbC and Mo ₂ C species
2000G112	TAKEBE Hiromichi Kyushu Univ.	XAFS Studies on Er ³⁺ 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 ₄ Catalysts in CFC's Decomposition
2000G115	KIM Changmin Kyungpook Natl. Univ.	NEXAFS investigation of SO ₂ co-adsorbed with H ₂ O and O ₂ 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 <i>E. coli</i>
2000G119	HORIKOSHI Masami ERATO	X-ray structure analysis of a novel hydrolase which interacts with a basal transcription factor TFIID
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 <i>Clostridium perfringens</i> 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

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2000G127	FUSHINOBU Shin-ya Univ. of Tokyo	Crystallographic analysis of xenobiotics-degrading enzyme CumD
2000G128	ODAHARA Takayuki Natl. Inst. of Bioscience and Human-Tech.	Structure Analysis of Reaction Center with Light-Harvesting Proteins I from <i>Rps. viridis</i>
2000G129	KUMAR Penmecha K.R. Natl. Inst. of Bioscience and Human-Tech.	Crystal structure of HutP protein: An RNA-binding protein that regulates <i>hut</i> operon by transcriptional antitermination mechanism in <i>Bacillus subtilis</i>
2000G130	MIKI Kunio Kyoto Univ.	X-ray Crystallographic Studies of V-type H ⁺ -ATPase
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 Agrobiological 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
2000G157	KOBAYASHI Katsumi KEK-PF	Effect of radical scavenger on the induction of double strand breaks of DNA in aqueous solution

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2000G158	IKEGUCHI Masamichi Souka Univ.	Study on folding intermediates of equine b-lactoglobulin by time-resolved solution X-ray scattering
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 Ni ₅₀ Gd ₅₀ and Ni ₂ 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
2000G182	MORIOKA Yumio Univ. of Tsukuba	Measurements of N ₂ 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 _{1-x} CexFe ₄ P ₁₂ and PrFe ₄ P ₁₂
2000G186	HIGUCHI Tohru Science Univ. of Tokyo	Electron Correlation Energy near the Mott-Transition of La _x Sr _{1-x} TiO ₃ 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

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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	YOASHINOBU 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 ₂ CuF ₄ system
2000G200	AKIMOTO Kouichi Nagoya Univ.	Lattice relaxation at the semiconductor surface
2000G201	MASUMOTO Yasuaki Univ. of Tsukuba	Small Angle X-ray Scattering of Micricrystals of IV-VI semiconductors
2000G202	YAMAWAKI Hiroshi Nat'l. 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 ₂ CoSi ₂ O ₇
2000G206	KOJIAMA Kenji Univ. of Tokyo	Structural analysis of high T _c cuprate with stripes: (La,Eu,Sr) ₂ CuO ₄
2000G207	TANIGAKI Katsumi Osaka City Univ.	Structural Analysis of IV-Group Element Cluster Solids with Transition Metals
2000G208	ISHIBASHI Hiroki Osaka Pref. Univ.	Study on Metal-insulator transition and crystal structure of Cu thiospinel
2000G209	MIZUKI Jun-ichiro JAERI	Dependence of the Mn Local Structure on Sr Concentration in La _{1-x} Sr _x MnO ₃
2000G210	TAKEMURA Ken-ichi Nat'l. Inst. of Res. in Inorganic Materials	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

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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 LuX (Lu=P,As,Sb) with NaCl-type structure
2000G221	OHTAKA Osamu Osaka Univ.	Simultaneous Measurements of Electric Conductivity and X-ray Diffraction of 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	Quadrapole order in UPd ₃
2000G224	INAMI Toshiya JAERI	Short range order of orbital in V ₂ O ₃
2000G225	SHIMIZU Katsuya Osaka Univ.	<i>In situ</i> 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[Pt(bqd) ₂] using CCD-based X-ray detector at high pressure
2000G227	YAMAGUCHI Hirotaka Electrotech. Lab.	X-ray diffraction study on hole-doped one-dimentional
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 MgSiO ₃ perovskite and γ -SiO ₂ stichovite under high pressures of 20-50 GPa
2000G232	YAMANAKA Takamitsu Osaka Univ.	Investigation of amorphization and stability of Co(OH) ₂ under high pressure
2000G233	AMITSUKA Hiroshi Hokkaido Univ.	Structural analyses under high pressure on the heavy electron system URu ₂ 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	MATSUJURA Makoto Miyagi Nat'l College of Tech	Origin of ferromagnetic interaction of Mn in icosahedral clusters in 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

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Proposal Number	Spokesperson	Title
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 Synchrotron Radiation 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
2000G259	IWASAWA Yasuhiro Univ. of Tokyo	<i>In situ</i> preparation of oxide thin layers on single crystal oxide surfaces and the three dimensional structure characterization using polarized total reflection fluorescence XAFS
2000G260	IWASAWA Yasuhiro Univ. of Tokyo	XAFS characterization of supported rhenium oxide thin layer catalysts
2000G262	KIM Sunghyun Konkuk Univ.	<i>In situ</i> 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 ^{III} /Ce ^{IV} and Eu ^{II} /Eu ^{III} 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 ₂ 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-scope 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 ₂
2000G281	ICHIKAWA Masaru Hokkaido Univ.	<i>In situ</i> -Fluorescence XAFS Study on Catalysts for Methane Dehydroaromatization Reaction

Proposal Number	Spokesperson	Title
2000G282	ARAKI Tohru Saitama Univ.	NEXAFS Studies on Organized Molecular Films containing Fluorocarbon chains
2000G283	YOSHIMURA Yuji Natl. Inst. of Mater. Chem. Res.	<i>In-situ</i> XAFS study of noble metal catalysts with high sulfur durability
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.	<i>In-situ</i> 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 β -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 Agrobiological Sci.	Crystallographic study of rice α -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 quinohemoprotein 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>
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

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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
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 Hirotaka Electrotech. Lab.	XAFS study on Al and P ions implanted in SiC
2000P003	HARADA Kazuaki Natl. Inst. Biosci. and 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

Proposal Number	Spokesperson	Title
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 Nat'l. Inst. For Res. In Inorganic Materials Tokyo Metropolitan Univ.	Structural Study of Microporous Compounds by Synchrotron Powder Diffraction re 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
2000C001	Nippon Steel Corp.	Dynamical explication of material processing with SR
2000C002	Fujitsu Laboratories Ltd.	Study on structure analysis of thin film surface and interface
2000C003	CAC's	XAFS analysis of dopants in semiconductor compounds
2000C004	Mitsui Chemical Analysis Center	XAFS analysis of small quantity metals in thin film and catalyst
2000C005	Toray Research Center	XAFS study on liquid material at high temperature
2000C006	Petroleum Energy Center	XAFS study on high-efficiency catalyst for hydrogenation of aromatic compounds
2000C007	Sumitomo Chemical Corp.	Structure and chemical analysis of catalyst using XAFS
2000C008	NTT Ltd.	Study on semiconductor surface by high-resolution photoelectron spectroscopy
2000C009	Canon Ltd.	Study on microanalysis using SR X-ray microbeam
2000C010	Nikon Corp.	SR characterization of multi-layer mirrors for soft X-ray region
2000C011	NKK Corp.	Technological establishment of physical analysis with SR
2000C012	NTT Ltd.	Structure characterization of material for semiconductor devices
2000C013	Hitachi Ltd.	Study on X-ray imaging
2000C014	Toray Research Center	Study on polymer materials with SAXS
2000C015	FAIS	Structural biology using SR X-rays
2000C016	Kawasaki Heavy Industries Ltd.	Study on medical diagnosis systems with SR monochromatized X-ray
2000C017	Toshiba Electric Power System	Dynamical study on outgassing by SR irradiation
2000C018	Sumitomo Chemical Corp.	Dynamical structure change of synthesized polymers with small angle scattering
2000Y001	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
2000Y002	Sato S. Fujitsu Laboratories Ltd.	Material characterization by SR at BL-17A, 17B and 17C

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Proposal Number	Spokesperson	Title
2000Y003	Fujisaki M. Fujitsu Laboratories Ltd.	Material characterization by SR at BL-17A, 17B and 17C
2000Y004	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 propose are submitted by PF staff members in collaboration private companies etc. shown in theparentheses.

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

List of Experimental Proposals Accepted for FY2001

Proposal Number	Spokesperson	Title
2001S2-002	MURAKAMI Youichi Tohoku Univ.	Charge, Spin, Orbital, and Lattice Ordering of Strongly Correlated Electron System
2001S2-003	OHTA Toshiaki Univ. of Tokyo	Development of soft x-ray energy dispersive surface XAFS and its application to surface chemistry
2001U001	SAITOH Tomohiko KEK-PF	Electronic structure of superconducting magnesium diboride probed by photoemission and x-ray absorption spectroscopies
2001U002	AOKI Haruyoshi Tohoku Univ.	Verification of impurity in high-temperature weak ferromagnetism
2001U003	MIYATA Noboru Tohoku Univ.	Soft-X-ray emission and absorption spectroscopy of novel superconductor MgB ₂
2001U004	YAMADA Nobuyoshi Univ. of Electro-Comm.	Study on partial electronic density of states in superconducting diborides by soft x-ray absorption and emission spectroscopy
2001U005	FUJIMORI Atsushi Univ. of Tokyo	Photoemission study of the room-temperature ferromagnetic semiconductor ZnGeP ₂ :Mn
2001G001	KIMURA Akio Hiroshima Univ.	Spin dependent electronic states of c(2×2)Mn surface alloys studied by spin- and angle- resolved photoelectron spectroscopy.
2001G002	KIMURA Akio Hiroshima Univ.	Study of a strongly correlated electronic band structures of a single crystalline Y _{1-x} Ca _x TiO ₃
2001G003	KIMURA Akio Hiroshima Univ.	An orbital ordering of Perovskite type light transition metal oxides studied by linear dichroism in core level absorption spectroscopy
2001G004	OKUDA Taichi Univ. of Tokyo	Study of the electronic structure of lateral interfaces using photoelectron energy electron spectroscopy
2001G005	HILLEBRECHT F. Ulrich Max-Planck Institute Halle	Ferro- and antiferromagnetic domain structure of La _{1+x} Sr _{2-x} Mn ₂ O ₇
2001G006	NAKATSUJI Kan Univ. of Tokyo	X-ray magnetic circular dichroism of Co nano-dots on N/Cu(001) surface
2001G007	HARRIES James KEK-PF	Photo double excitation of atoms in a strong DC electric field.
2001G008	AZUMA Yoshiro KEK-PF	Three-electron photo-processes in atoms.
2001G009	SUZUKI Yoshishige Electrotech. Lab.	Study on the interfacial electronic state in tunneling magneto-resistive films
2001G010	HASEGAWA Shuichi Univ. of Tokyo	Photoionization spectroscopy of Be atoms
2001G011	TAGUCHI Yukihiko Osaka Pref. Univ.	Observation of change in electronic structure by soft x-ray emission spectroscopy
2001G012	KAWAI Jun Kyoto Univ.	FK X-ray absorption and fluorescence spectroscopy of rare earth fluorides
2001G013	AMEMIYA Kenta Univ. of Tokyo	Magnetization switching of magnetic thin films studied by depth-resolved XMCD
2001G014	YAMADA Nobuyoshi Univ. of Electro-Comm.	Electronic Structure of CuO chain Compounds by Soft X-ray Absorption and Emission Spectroscopies
2001G015	NAGATA Tetsuo Meisei Univ.	Resonance Photoexcitation of respective inner ns (n=3,4,5) subshell electrons of Ca, Sr and Ba Atoms
2001G016	KOBAYASHI Hisao Tohoku Univ.	Ground State Properties of Iron Sulfide under high pressure studied by Mossbauer spectroscopy
2001G017	ARUGA Tetsuya Kyoto Univ.	Angle-resolved photoelectron spectroscopy of charge-density-wave transitions on a metal surface
2001G018	NAKAMURA Tetsuya RIKEN	X-ray Magnetic Circular Dichroism of Multi-Electron Excitation at the L _{2,3} -edges of Rare-Earth elements
2001G019	NAKAMURA Tetsuya RIKEN	Study of the enhancement effect of magnetization in CeFe ₂ using X-ray Magnetic Circular Dichroism
2001G020	SHIN Shik Univ. of Tokyo	Hydrogen bonding effect on electronic by Soft X-ray Emission Spectroscopy
2001G021	YANAGIHARA Mihiro Tohoku Univ.	Magnetic interlayer coupling in Fe/Si multilayers studied by soft x-ray spectroscopy

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Proposal Number	Spokesperson	Title
2001G022	MORI Koichi Ibaraki Pref. Univ. of Health Sciences	Measurement of temperature dependence of spin magnetic moment by means of X-ray magnetic Kerr effect
2001G023	AN Ki-Seok Korea Res. Inst. of Chem. Tech. (KRICT)	Photoemission study of self-assembled monolayers(SAMs)on clean and H-terminated Si(100) surfaces
2001G024	NAKAI Shun-ichi Utsumomiya Univ.	X-ray resonant Raman scattering of Yb ₄ As ₃
2001G025	NAKAI Shun-ichi Utsumomiya Univ.	X-ray resonant Raman scattering of Lanthanum oxides and halides
2001G026	KOBAYASHI Keisuke RIKEN	Time Resolving Spectroscopy of Photoluminescence under Inner Core Excitation in Semiconductor Quantum Confinement Structures.
2001G027	SHIN Shik Univ. of Tokyo	Study on Electronic Structure of Ba ₈ Si ₄₆ and related Si Clathrate Compounds by Soft X-ray emission Spectroscopy
2001G028	OURA Masaki RIKEN	Effects of high density exciton on the soft x-ray emission processes
2001G029	ONO Kanta Univ. of Tokyo	High-resolution Fermiology of quantum nano-structures on semiconductor surfaces
2001G030	KITA Eiji Univ. of Tsukuba	Study on the ferromagnetic order of artificial superlattices with strong interlayer coupling
2001G031	MITSUI Takaya JAERI	Mechanism of nonlinear acoustomagnetic modulation in antiferromagnetic crystals under UHF magnetic fields
2001G032	DASTOOR Paul Univ. of Newcastle	The Role of Molecular Orientation upon the Adsorption of γ -aminopropyltriethoxysilane on Metal Oxide Surfaces
2001G033	KAWAI Jun Kyoto Univ.	Electron correlation in Mn K _{β} using threshold excitation
2001G034	AKIMOTO Katsuhiro Univ. of Tsukuba	Electronic structure at the interface between organic molecule and metal
2001G035	OKANO Tatsuo Univ. of Tokyo	Development of wide angle conversion electron spectrometer
2001G036	ABE Hiroshi Natl. Defense Academy in Japan	An Order-Disorder phase Transition in Al-Ni-Co Decagonal Quasicrystals by Anomalous-X-Ray Scattering
2001G037	KUDO Yasuhiro Tohoku Univ.	Effect of pressure on the crystal structure of hydrous ringwoodite, γ -Mg _{1.89} Si _{0.98} H _{0.30} O ₄
2001G038	JOSWIG Werner Frankfurt Univ.	Investigation of Inclusions in Diamonds (in situ)
2001G039	INAMI Toshiya JAERI	Resonant X-ray scattering study on successive phase transitions in SmB ₂ C ₂
2001G040	YAMAMOTO Shoji Natl. Inst. for Res. In Inorganic Materials	Structure determination of quasicrystals
2001G041	STRELTSOV Victor A. Univ. of Western Australia	Structural and charge density studies of KTP-type ferroelectrics with cation dopants
2001G042	MORI Yoshihisa Okayama Univ. of Sci.	The phase transition of BeO under high pressure
2001G043	STRELTSOV Victor A. Univ. of Western Australia	Absolute scale measurements using synchrotron X-rays dynamic diffraction
2001G044	FUJINO Kiyoshi Hokkaido Univ.	Stability conditions of (Mg,Fe)SiO ₃ and CaSiO ₃ perovskites and their solubility relation
2001G045	SAKURAI Kenji Natl. Res. Inst. for Metals	Surface X-ray scattering study on conformal roughening of Ni/C periodic multilayers
2001G047	ARIMA Taka-hisa Univ. of Tsukuba	Crystal Structure of RBaCo ₂ O _{6-δ}
2001G048	SASAKI Satoshi Tokyo Inst. of Tech.	SR X-Ray Studies on the Transient Response of Microdomains in PMN-Relaxor Ferroelectrics
2001G049	SASAKI Satoshi Tokyo Inst. of Tech.	Resonant X-Ray Critical Scattering Studies on Phase Transition and Fluctuation of Magnetite
2001G051	MURAKAMI Youichi KEK-PF	Magnetic-field induced change of charge and orbital order in perovskitelike manganites
2001G052	TANAKA Masahiko KEK-PF	Electron Density Analysis of ScRh ₃ B _x (x=0~1.0) by Powder X-ray Diffraction

Proposal Number	Spokesperson	Title
2001G053	HIRANO Keiichi KEK-PF	Investigation of the phase shift of diffracted X-rays
2001G054	HESTER James R. ANBF/ANSTO	High precision structural investigations of the RM4B compounds, M=Ni,Pd,Pt
2001G055	TAKAHASHI Toshio Univ. of Tokyo	Surface X-ray diffraction study on the Al ₂ O ₃ /Ru(0001) structure
2001G056	OHSUMI Hiroyuki KEK-PF	Orbital Ordering of Perovskite Manganite Thin films studied by Resonant X-ray Scattering
2001G057	KUSABA Keiji Tohoku Univ.	Phase transition and decomposition reaction of Zn(OH) ₂ under high pressure and high temperature
2001G058	KUBOZONO Yoshihiro Okayama Univ.	Structural analyses of metal doped metal endohedral fullerenes
2001G059	KONDO Tadashi Tohoku Univ.	Structure of simple oxides under the lowermost mantle condition
2001G060	OHTANI Eiji Tohoku Univ.	In situ X-ray observation of the stability and reaction of the hydrous minerals in the lower mantle
2001G061	TSUTSUI Satoshi JAERI	Quadrupole ordering in UCu ₂ Sn
2001G062	KOJIMA Kenichi Yokohama City Univ.	Characterization of crystal defects in protein crystals
2001G063	MATSUMURA Takeshi Tohoku Univ.	Electric quadrupole ordering in rare-earth compounds
2001G064	DEGUCHI Hiroyuki Kyushu Inst. of Tech.	Pressure-induced magnetism and structure of organic spin-gap systems
2001G065	TAKAHASHI Toshio Univ. of Tokyo	Structure and Magnetism of Thin Film Crystals on Crystal Substrates
2001G066	TAKUMI Masaharu Fukuoka Univ.	Electron density distribution in trigonal selenium and tellurium
2001G067	MIYAMOTO Masamichi Univ. of Tokyo	Analysis of microstructure of pyroxferroite in Martian and lunar meteorites
2001G068	MIZUNO Kaoru Shimane Univ.	Direct observation of perfectibility of Hg doped Nb ₃ Te ₄ single crystal
2001G069	YAMAGUCHI Hiroataka Electrotech. Lab.	Crystal growth of high-T _c superconductors under high pressure
2001G070	YASHIMA Masatomo Tokyo Inst. of Tech.	In-situ observation of the phase transition of La _{2/3} (Ti, M)O ₃ : M=Al, Nb
2001G071	KOHAGURA Junko Univ. of Tsukuba	Finding of a New Formula for Nuclear-Fusion-Produced Neutron-Damaged Semiconductors
2001G073	ZHANG Xiaowei KEK-PF	Precision wave length measurement and development of a high-resolution monochromator for ⁸³ Kr 9.4keV Mossbauer level
2001G074	LEE Chul-Ho Electrotech. Lab.	XANES Study of Skutterudite Compounds
2001G075	FUJIOKA Hiroshi Univ. of Tokyo	Characterization of deep levels in compound semiconductors with SR transient capacitance measurements
2001G076	TANIMOTO Satoshi JAIST	Aggregation in spherical microdomain structure of crystalline-amorphous diblock copolymer
2001G077	IMAI Masayuki Ochanomizu Univ.	Kinetics of Morphology Transitions Observed in Amphiphilic Molecular Membranes
2001G078	OFUCHI Hironori Univ. of Tokyo	Analysis of local structures around transition metal atoms doped in wide-gap semiconductor by XAFS
2001G079	OFUCHI Hironori Univ. of Tokyo	Analysis of local structures around Tb atoms doped in SiO ₂ by x-ray excited photoluminescence XAFS
2001G080	TERAUCHI Hikaru Kwansei Gakuin Univ.	EXAFS study of relaxor ferroelectrics
2001G082	MORITA Takeshi Tokyo Univ. of Agri. & Tech.	Study on inhomogeneity of supercritical xenon
2001G083	KINUGASA Shinichi Natl. Inst. of Mater. Chem. Res.	Particle morphology measurement for nano particles in solution

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2001G086	KAWADA Tatsuya Tohoku Univ.	EXAFS study of $Zr_{0.8(1-x)}Ce_{0.8x}Y_{0.2}O_{1.9-\delta}$
2001G087	MIYANAGA Takafumi Hirosaki Univ.	Local structure change in Perovskite ferroelectrics studied by XAFS
2001G089	SLOVOKHOTOV Yuri Russian Acad. of Sci.	Structural monitoring of chemical transformations of transition metal clusters in organic media by XAFS spectroscopy
2001G090	SUGIYAMA Shigeru Tokushima Univ.	Local structure around non-crystallized transition metals incorporated in hydroxyapatites
2001G091	IWAZUMI Toshiaki KEK-PF	X-ray Absorption and Emission Spectroscopy of Spin Crossover Complex
2001G092	IZUMI Yasuo Tokyo Inst. of Tech.	Metal K-edge XAFS Study of the Supported Clusters for Environmental Catalysis
2001G093	HATTORI Tadashi Nagoya Univ.	XAFS analysis of the factors controlling the oxidation state of noble metal catalysts
2001G094	SATSUMA Atsushi Nagoya Univ.	XAFS study of supported Ag catalysts for the selective reduction of NO
2001G096	YOSHIDA Hisao Nagoya Univ.	XAFS study of transition-metal mixed oxide catalysts used in the steam reforming of methanol/methane for the hydrogen production
2001G097	YOSHIDA Hisao Nagoya Univ.	XAFS study of novel $TiXPO_4$ mesoporous material as photocatalyst for water decomposition
2001G098	IWASAWA Yasuhiro Univ. of Tokyo	XAFS study on the structure, valence state, and deposition site of metal complexes in zeolite cages
2001G099	HARADA Masafumi Nara Woman's Univ.	Structural Analysis of Noble Nanoparticles prepared under Supercritical Conditions by means of EXAFS
2001G100	KAWAKITA Yukinobu Kyushu Univ.	Structure of chalcogenide glass in a thermally reversing concentration window of glass transition
2001G101	SUZUKI Takuya JASRI	Time dependence observation of small angle scattering and diffraction using a soft X-ray for oxide superconductors
2001G102	MATSUO Motoyuki Univ. of Tokyo	XAFS Study on Chemical States of Elements in Estuarine and Tideland Sediments
2001G103	CHOY Jin-Ho Seoul Natl. Univ.	X-ray absorption spectroscopic investigation for the electronic and geometric structures of the superconducting thin film
2001G104	CHOY Jin-Ho Seoul Natl. Univ.	X-ray absorption spectroscopic analyses for various lithium manganese oxides and their cation/anion-substituted and cycled derivatives
2001G105	MURATA Takatoshi Kyoto Univ. of Education	Local structure of bromonated aromatic compounds dissolved in supercritical xenon
2001G107	SHIMOYAMA Iwao JAERI	NEXAFS measurement of new materials made of boron, carbon, and nitrogen
2001G108	TANAKA Tomoaki Natl. Inst. of Mater. Chem. Res.	Application of neutralization by using low-energy Ar ion flow to XPS and XANES of Kapton film damaged by cosmic rays
2001G109	FUJISAWA Kiyoshi Univ. of Tsukuba	Research on Metal-Thiolato Complexes by Sulfur K-edge Spectroscopy
2001G110	KUDO Akihiko Science Univ. of Tokyo	Determination of local structure and oxidation number of dopants enhancing photocatalytic activity for water splitting
2001G112	SHISHIDO Tetsuya Hiroshima Univ.	Structural Analysis of fine alloy particles created in pore of inorganic porous materials by XAFS
2001G113	HARADA Makoto Tokyo Inst. of Tech.	Local structure of zwitterionic surfactants and various anions on the solution surface
2001G114	HARADA Makoto Tokyo Inst. of Tech.	Solvation structure of ions in high-concentrated solutions by XAFS
2001G115	YAMASHITA Hiromi Osaka Pref. Univ.	XAFS studies on the local structure of zeolite photocatalysts operatable under visible light irradiation prepared by the metal ion-implantation method
2001G116	SUGANUMA Hideo Shizuoka Univ.	Solvation of f-block element ion in mixed solvent solution
2001G117	ASAKURA Kiyotaka Hokkaido Univ.	XAFS investigation on the interaction between Pt catalysts and retarder/inhibitor in the silicone polymerization reactions
2001G118	FUJIOKA Hiroshi Univ. of Tokyo	Characterization of deep levels in compound semiconductors with SR transient capacitance measurements

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2001G119	CAZORLA-AMOROS Diego Univ. Alicante	XAFS measurements on catalysts and electrocatalysts supported on carbon based materials for fine chemistry and environmental applications
2001G120	UCHIMOTO Yoshiharu Tokyo Inst. of Tech.	XAFS Study of Molybdenum and Vanadium- Based Oxide for Anode of Lithium Ion Secondary Battery
2001G121	ISHIKAWA Norito JAERI	X-ray induced persistent photoconductivity in conductive ceramics
2001G122	KAGI Hiroyuki Univ. of Tokyo	Local structure of trace rare earth elements structurally bound to synthesized minerals
2001G123	KAGEYAMA Hiroyuki Osaka Natl. Res. Inst.	XAFS analysis of lithium manganese oxides in non-aqueous electrolyte battery
2001G125	TANAKA Kenichiro Hiroshima Univ.	Study of photon stimulated ion desorption of self-assembled organic mono-layers
2001G126	NAKAGAWA Takashi Osaka Univ.	Study of the respective cation occupying sites in $Ba_3M_{2-x}Fe_{24+x}O_{41}$ (M=Co, Ni, Zn) by XAFS measurement
2001G127	HIGUCHI Tsunehiko Nagoya Univ.	Effect of NH-S Hydrogen Bonding on Covalency of Fe-S Bond
2001G128	NAGAO Mahiko Okayama Univ.	XAFS Analysis of the State of Copper Ion in CuZSM-5 having a Specific Property for N_2 Adsorption
2001G130	FUNABIKI Takuzo Kyoto Univ.	In situ structural analysis of manganese dependent Catecholdioxygenase model complex
2001G131	MATSUO Motoyuki Univ. of Tokyo	XAFS study on speciation of elements in airborne ambient particulate matter
2001G132	KAWAGUCHI Seigou Yamagata Univ.	Conformational Properties of Amphiphilic Novel Comb-shaped Polymers in Water
2001G133	YOSHITAKE Hideaki Yokohama Natl. Univ.	XAFS Study on Interactions of Heavy-metal Oxyanion and Absorption Site Uniformly Synthesized in Mesoporous Silica
2001G134	KIGUCHI Manabu Univ. of Tokyo	EXAFS of Kr fine particles and Kr sheets
2001G136	KAGEYAMA Hiroyuki Osaka Natl. Res. Inst.	Coordination state of implanted Cu and Br ions in silica glass
2001G138	KUBOTA Takeshi Shimane Univ.	Local structure analysis of zeolite supported Co, Ni sulfide catalysts highly active for hydrodesulfurization
2001G139	OKAMOTO Yasuaki Shimane Univ.	Local structure analysis of supported Co-Mo sulfide catalysts prepared by CVD method
2001G140	NAGAME Yuichiro JAERI	Complex structure of transactinide homologues in aqueous systems
2001G141	YOKOYAMA Toshihiko Univ. of Tokyo	XAFS studies of light-induced magnetic materials
2001G142	OHTA Toshiaki Univ. of Tokyo	XAFS study on highly-oxidized ruthenium binuclear complexes
2001G143	KANEDA Kiyotomi Osaka Univ.	Structural Determination around Active metal Cations in Interlayer Space of Clay Minerals by K-edge XAFS
2001G144	SAKURAI Kenji Natl. Res. Inst. for Metals	Real-time element mapping by non-scanning X-ray fluorescence microscope and the application to the dynamic observation of metallic dendrites growth
2001G145	MIZUNO Hiroshi Natl. Inst. of Agrobiol. Sci.	Crystallographic study of the complex between the Gla-domain of coagulation factor IX and factor IX-binding protein from snake venom
2001G146	NISHIYAMA Makoto Univ. of Tokyo	Crystallographic analysis of malate dehydrogenase
2001G147	SUH Se Won Seoul Natl. Univ.	High-resolution MAD data collection on anti-anti-sigma factor from <i>Thermotoga maritima</i>
2001G148	RYU Seong-Eon Korea Res. Inst. of Biosci. & Biotech.	Crystallomographic studies of the cellular redox switch protein
2001G149	EOM Soo Hyun Kwangju Inst. of Sci. & Tech.	Structural Investigations of HslVU protease and substrate complex with Sula
2001G150	TAKENAKA Akio Tokyo Inst. of Tech.	Structural study on mutagenesis with DNA damaged by reactive oxygen
2001G151	SHIRAKIHARA Yasuo Natl. Inst. of Genetics	X-ray Crystal of $\alpha\beta\gamma\epsilon$ sub-complex of F1-ATPase from a Thermophilic Bacterium

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2001G152	SHIRAKIHARA Yasuo Natl. Inst. of Genetics	X-ray crystallographic analysis of P-450cam operon repressor CamR
2001G153	TAGUCHI Hayao Science Univ. of Tokyo	Structural analysis of allosteric transition of L-lactate dehydrogenases
2001G154	KAMITORI Shigehiro Tokyo Univ. of Agri. & Tech.	X-ray Crystal Analyses of hyperthermophile Epimerase and Related Proteins
2001G155	NITANAI Yasushi Toyohashi Univ. of Tech.	X-ray crystallographic study of pyruvate oxidase
2001G156	FUJIWARA Taketomo Shizuoka Univ.	Crystallographic analysis of halobacterial KatG catalase-peroxidase
2001G157	FUJIWARA Taketomo Shizuoka Univ.	Crystallographic analysis of Cu-containing nitrite reductase from denitrifying archaeon, <i>Haloarcula marismortui</i>
2001G158	NOJIRI Hideaki Univ. of Tokyo	Crystallographic study of carbazole 1,9a-dioxygenase
2001G159	KITA Akiko Kyoto Univ.	X-ray crystal structure analysis of serine/threonine phosphatase and inhibitor complex
2001G160	KITA Akiko Kyoto Univ.	Crystallographic study of oxidative response regulation system
2001G161	MIKI Kunio Kyoto Univ.	Crystal Structure Determination of New Subtilisin Family Protease
2001G162	FUSHINOBU Shinya Univ. of Tokyo	Crystallographic analysis of ADP-dependent kinases from hyperthermophilic archaea
2001G163	FUSHINOBU Shinya Univ. of Tokyo	X-ray crystallography of a novel thermostable beta-galactosidase
2001G164	YAO Min Hokkaido Univ.	Crystal structure analysis of 23S rRNA-binding protein L13 at high resolution
2001G165	HIROTSU Ken Osaka City Univ.	X-ray crystallographic study of homoserine kinase and threonine synthase on the threonine biosynthetic pathway
2001G166	YUTANI Katsuhide Osaka Univ.	The Mechanism of Thermo-stabilization of Pyrrolidone Carboxyl Peptidase from hyperthermophile, <i>P.furiosus</i>
2001G167	TANAKA Nobutada Showa Univ.	Crystal structure analysis of autocrine motility factor.
2001G168	TANAKA Isao Hokkaido Univ.	Crystal structure analysis of transcription factor NusG
2001G169	WATANABE Nobuhisa Hokkaido Univ.	Crystal structure analysis of restriction enzyme <i>Hind</i> III
2001G171	HRADA Yoshihisa RIKEN	Soft X-ray Absorption and Emission Spectroscopy of Heme-containing Proteins
2001G172	YAJIMA Hirofumi Science Univ. of Tokyo	SAXS Studies on the Structures of the Supramolecular Complexes of Chitosan with Iodine Exhibiting the Thermal Hysteresis Behavior
2001G173	MORI Koichi Ibaraki Pref. Univ. of Health Sciences	Development of a Human Imaging method by means of Synchrotron X-ray phase contrast
2001G174	KATO Ryuichi Osaka Univ.	Analysis of structural change of DNA repair enzymes by ligand binding
2001G175	HIRAI Mitsuhiro Gunma Univ.	Structural study of protein structure hierarchy by using wide-angle X-ray scattering
2001G176	QUINN Peter. J. King's College London	Factors governing lipid domain formation in model membrane systems
2001G177	SANO Yoh Setsunan Univ.	Mutual Reconstitution Process of Virus by Time-resolved Small-angle Scattering
2001G178	KATAGAWA Junichi Setsunan Univ.	Structural study of voltage dependent channel forming peptides in solution
2001G179	IDE Ari Kyoto Univ.	Basic Research on cell degeneration —Cases of PD and AD—
2001G180	YOKOYA Akinari JAERI	Polarized bromine K-shell soft X-ray absorption of 5-bromouracil crystal and induced radical
2001G181	HIRAGI Yuzuru Kyoto Univ.	A Study on the Stability and Intermolecular Interactions of Oligomeric Proteins by SAXS

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2001G182	TANAKA Etsuro Tokai Univ.	High resolution analysis of regional blood flow applied angiogenic gene therapy using monochromatic synchrotron radiation-excited x-ray fluorescence spectrometry
2001G185	HATTA Ichiro Nagoya Univ.	Structure of stratum corneum working as a barrier
2001G186	SONOYAMA Masashi Tokyo Univ. of Agri. & Tech.	Protein-Induced Fragmentation and Fusion of Lipid Membranes by Small-Angle X-Ray Scattering
2001G187	ANDO Masami KEK-PF	Attempt at Applications of an X-Ray Interferometer to a Variety of Imaging
2001G188	TORAYA Hideo Nagoya Inst. of Tech	Study on methods for structure analysis in meso-scope region using powder diffraction
2001G189	MIKI Hirofumi Tokyo Univ. of Science	Correlation of the electron state at step edge on Pt surfaces and the NO chemisorption state
2001G190	YOSHII Hiroshi Univ. of Tsukuba	Investigation of the photodissociation process of rare gas clusters
2001G191	MORIOKA Yumio Univ. of Tsukuba	V.U.V. fluorescence Stark effects of rare gases
2001G193	KOMORI Fumio Univ. of Tokyo	Spin-resolved photoemission spectroscopy of ferromagnetic thin films with normal-metallic atoms as adsorbates
2001G194	SHIN Shik Univ. of Tokyo	Soft X-ray emission spectroscopy in DNA and related molecule
2001G195	MITSUUDA Akihiro Toyama Univ.	Effect of dilution and substitution on Eu valence in valence fluctuating Eu compounds
2001G196	HAYASHI Hisashi Tohoku Univ.	High-resolution measurements of resonant X-ray Raman scattering spectra
2001G197	SAITOH Tomohiko KEK-PF	Electronic structure of MgB ₂ and related AlB ₂ -type compound probed by photoemission and x-ray absorption spectroscopies
2001G198	KAMETA Kosei Tokyo Inst. of Tech.	Studies on the Doubly Excited States of Polyatomic Molecules in the Valence Excitation Region
2001G199	IWAZUMI Toshiaki KEK-PF	Resonant Inelastic X-ray Scattering Study of Pd and FePd single crystals under Momentum Conservation Condition
2001G200	YOSHINO Kouichi Harvard Univ.	Application of the PAPA detector on the 6VOPE (BL-12B) for Determination of Spectroscopic Properties of Astrophysical Molecules
2001G201	ITO Kenji KEK-PF	A study on dissociation dynamics of diatomic molecular ions by coincidence measurements of threshold electrons and fragment ions
2001G202	LABLANQUIE Pascal LURE	Study of Auger processes investigated with Auger electron - Threshold electron Coincidence Spectroscopy
2001G203	IWAZUMI Toshiaki KEK-PF	Configuration Dependence of Resonant Inelastic X-ray Scattering in Transition Metal Oxide Single Crystals
2001G204	WAKITA Takanori Univ. of Tokyo	Growth and properties of iron-silicide thin films on Si surfaces
2001G205	WAKITA Takanori Univ. of Tokyo	Electronic structures of C ₇₀ /Si heterojunctions
2001G206	HARRIES James KEK-PF	Photo-excitation of atoms in a strong DC electric field.
2001G207	NAKATAKE Masashi KEK-PF	Core level photoemission study of molybdenum oxides
2001G208	YOKOYAMA Toshihiko Univ. of Tokyo	XMCD of Sm and Tb deposited on Co thin films
2001G209	YAMASHITA Yoshiyuki Univ. of Tokyo	Vibrationally Resolved Core Level Photoelectron Spectroscopy for Adsorbates
2001G210	ENTA Yoshiharu Hirosaki Univ.	Oxynitridation of Silicon Surface Studied by Real-time Measurements of Core-level Photoelectron Spectra
2001G211	WATANABE Masamitsu RIKEN	Resonant Soft X-ray Emission Study of Rare-Earth-Filled Skutterudites
2001G212	MIYAHARA Tsuneaki Tokyo Metropolitan Univ.	Measurement of 2nd order coherence of soft-x-ray synchrotron radiation and search for quantum effects

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2001G213	KUMITA Tetsuro Tokyo Metropolitan Univ.	Calibration of the X-ray Spectrometer for Laser-Compton scattering
2001G214	HATANO Tadashi Tohoku Univ.	Development of Multilayer Spherical Mirrors for Soft X-ray Interferometry
2001G215	MITSUMI Takaya JAERI	Study of the dynamical diffraction effects of nuclear resonant forward scattering under Bragg condition.
2001G216	MARUYAMA Yusei Hosei Univ.	Structure analysis of Ce_xC_{60} complex compounds
2001G217	AKIMOTO Koichi Nagoya Univ.	GaAs interface structures studied by anomalous X-ray diffraction
2001G218	HIRANO Keiichi KEK-PF	Development of technique for characterizing silicon dielectric gate oxide films using x-ray diffraction
2001G219	OHSATO Hitoshi Nagoya Inst. of Tech	Clarification of mechanism of piezoelectricity based on the crystal structures on the Langanite family crystals
2001G220	OHSATO Hitoshi Nagoya Inst. of Tech	Crystal structure and properties of microwave dielectric ceramics
2001G221	KAWASAKI Shinji Shinshu Univ.	Behavior of fluorinated fullerene under high pressure and high temperature
2001G222	ONO Shigeaki Univ. of Tokyo	Reaction between silicate minerals and fluid phase at high-pressure and high-temperature
2001G224	HAYASHI Hisashi Tohoku Univ.	XAFS measurements of Li-NH ₃ solutions by using X-ray Raman Scattering
2001G225	TAKEMURA Kenichi Nat. Inst. for Mater. Sci.	Verification of the high-pressure phase transition of indium with a He-pressure medium
2001G226	SATO Hirohiko Chuo Univ.	Charge ordering and magnetic structure of mixed-valence transition-metal oxide small crystals with rutile-type framework
2001G227	KUSABA Keiji Tohoku Univ.	Phase transitions of Si-Ge solid solution under high pressure and high temperature.
2001G230	SOEJIMA Yuji Kyushu Univ.	Complex superstructure determination $Ca_2CoSi_2O_7$
2001G232	MIYANAGA Takafumi Hiroasaki Univ.	Study of Local Magnetic Structures for Ni-Mn alloys by Magnetic XAFS
2001G235	HIROSE Kei Tokyo Inst. of Tech.	Phase equilibria in the system Fe-FeS at High-Pressures
2001G236	KAWAI Jun Kyoto Univ.	Development of a Structural Analysis Method using a Resonance Effect by Energy High Resolution X-Ray Fluorescence Holography
2001G237	OHBA Takuya Shimane Univ.	Premartensitic Behavior in FePd alloy
2001G238	IWASA Kazuaki Tokyo Metropolitan Univ.	Anomalous thermal expansion in pressure-induced insulator-metal transition of rare-earth monochalcogenides
2001G239	TABUCHI Masao Nagoya Univ.	Investigation of interfaces in high-speed electronics devices of III-V compound semiconductors by X-ray CTR scattering
2001G240	NOMURA Kiyoshi Univ. of Tokyo	Application of movable resonance scintillation detector to synchrotron radiation and scattering Mossbauer analysis of oxide films on stainless steel
2001G241	NAKAMURA Tomoki Kyushu Univ.	Synchrotron X-ray diffraction analysis of very small extraterrestrial material using gandolfi camera
2001G242	ISHIDA Kohtaro Tokyo Univ. of Science	Study on magnetic X-ray scattering from hematite, Fe ₂ O ₃
2001G243	KURIBAYASHI Takahiro Tohoku Univ.	Crystal structure of humite under high-pressure conditions
2001G244	ISHIDA Kohtaro Tokyo Univ. of Science	Thermal motion induced ATS scattering from germanium
2001G245	SHIMOMURA Susumu Keio Univ.	High Pressure x-ray scattering study on perovskite-type manganites
2001G246	HAYASHI Kouichi Tohoku Univ.	Quantitative analysis of local lattice distortion by X-ray fluorescence holography
2001G247	MASUDA Takatsugu Univ. of Tokyo	X-ray diffraction study of $Cu_{1-x}Mg_xGeO_3$ under hydrostatic pressure

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2001G248	NAKAO Hironori KEK-PF	Antiferroquadrupole ordering in CeB ₆ studied by resonant x-ray scattering technique
2001G249	OHSUMI Kazumasa KEK-PF	Crystallographic studies on minute iron carbides formed in an early stage of solar system
2001G250	WAKABAYASHI Yusuke Chiba Univ.	Effect of Orbital State on Anisotropic Scattering Factor Tensor
2001G251	SAWA Hiroshi Chiba Univ.	Study of Electronic state for Low Dimensional Magnetic system on Vanadium Oxide System
2001G252	SAWA Hiroshi Chiba Univ.	Structural study of Charge Ordering Transition in Magnetite
2001G253	SAWA Hiroshi Chiba Univ.	Study of Charge Transfer and physical properties for Molecular Conductor included π -d Interaction
2001G254	FUJII Yasuhiko Univ. of Tokyo	Anomalous scattering study of charge ordering in low-temperature phase of NaV ₂ O ₅
2001G255	FUJII Yasuhiko Univ. of Tokyo	Direct Observation of the "Devil's Staircase" Type Charge Ordering in NaV ₂ O ₅ under Low Temperature and High Pressure
2001G256	KIKEGAWA Takumi KEK-PF	Design of a new tapered-anvil by analysing pressure-stress distribution in the pressure medium
2001G257	SUN Liling Chinese Acad. of Sci.	Phase Evaluation of Amorphous Alloy ZrTiCuNiBe, at High Pressure
2001G258	AMEMIYA Yoshiyuki Univ. of Tokyo	Dynamical study of layer structure and molecular orientation of ferroelectric liquid crystal in smectic phase
2001G259	HASHIMOTO Shinya Iwaki Meisei Univ.	Structural study on spin-grass alloy Pt-Mn by DAFS and Anomalous scattering
2001G260	AKITA Koichi Tokyo Metropolitan Univ.	Residual Stress Measurements of Unidirectionally Solidified Eutectic Composite (MGC Material)
2001G261	MATSUMOTO Norimasa JAERI	Irradiation induced defect structure and a growth process of defect clusters.
2001G262	ISHIMARU Shin'ichi Univ. of Tsukuba	Ordered Structure of Guest Molecules Included in Zeolite-Like Compounds
2001G263	YAMAUCHI Miho Univ. of Tsukuba	Structure of Porphyrin Capped Au Nano-Particles
2001G264	NUMAKO Chiya Tokushima Univ.	Crystallization Process of Amorphous Silicate constructing the hard tissues of diatom by diagenesis.
2001G265	OHHARA Takashi KEK-PF	Analyses of solid-state reactions by X-ray structure analyses of micro single crystals
2001G266	MASUDA Chitoshi Nat. Inst. for Mater. Sci.	Characterization of Internal Damage in Composite using Synchrotron X-ray Phase Contrast
2001G267	KOBAYASHI Yasuhiro Kyoto Univ.	Nuclear Resonant Scattering of Amorphous Alloys
2001G268	AKIMOTO Katsuhiro Univ. of Tsukuba	Atomic arrangement around rare earth element doped into quantum structure
2001G269	SAKURAI Shinichi Kyoto Inst. of Tech.	Time-Resolved Simultaneous Small- and Wide-Angle X-ray Scattering Studies on Early Stage of Spherulite Formation in Crystalline Block Copolymer
2001G270	SAKURAI Shinichi Kyoto Inst. of Tech.	Small-Angle X-ray Scattering Studies on Superlattice Structure and Its Phase Transition in Nanospheres of Chemically-Cross-Linked Block Copolymer
2001G273	SAITO Masatoshi Niigata Univ.	Determination of Ion-Electron Correlation in Liquid Metals by Using Anomalous Dispersion Effect
2001G274	YONENAGA Ichiro Tohoku Univ.	XAFS study on local structure around Si atoms in GeSi alloy semiconductors
2001G275	YAMAMOTO Katsuhiro Nagoya Inst. of Tech.	Time-Resolved Small- and Wide-Angle X-ray Scattering Studies on Structure Formation in Crystalline Graft Copolymers
2001G276	TAKANO Atsushi Nagoya Univ.	Effect of molecular weight distribution and composition distribution on condensed structure of block copolymers
2001G277	TOKITA Masatoshi Tokyo Inst. of Tech.	Dynamic X-ray analysis on Nematic-Smectic phase transition of hard rod polymers
2001G278	KATO Tadashi Tokyo Metropolitan Univ.	Transition between Micellar and Lamellar Phases in Nonionic Surfactant / Water System

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2001G279	JINBO Yuji Yamagata Univ.	Observations of highly ordered gelation processes of purified gellan gum by means of time resolved small angle X-ray scattering measurements
2001G280	TSUJI Kouichi Tohoku Univ.	Elemental Identification of Localized Region by X-ray Irradiated STM
2001G281	SAKURAI Masaki Tohoku Univ.	Local structure analysis on doped Lu and Y in polycrystalline Al ₂ O ₃
2001G282	TABUCHI Masao Nagoya Univ.	Investigation of segregation in Group-III nitride semiconductors by fluorescence EXAFS
2001G283	OHFUCHI Hironori Nagoya Univ.	Analysis of local structures in XHfO ₃ :Tm(X=Sr,Ca,Ba) by XAFS
2001G284	HASHIMOTO Takeji Kyoto Univ.	Dynamics of Order-Order Transition in Block Copolymers
2001G285	OKUDA Hiroshi Nara Inst. of Sci. & Tech.	Initial stage of self-organized microstructure formation examined by GI-SAS
2001G286	MATSUBARA Eiichiro Tohoku Univ.	Environmental Structural Study of Constituent Elements in Corrosion-Resistant Steel by Anomalous X-ray Scattering Method
2001G287	MATSUBARA Eiichiro Tohoku Univ.	Short and Middle Range Structural Study during Nano-quasicrystallization Process in Zr-Noble Metal Based Bulk Amorphous Alloys
2001G288	WATAOKA Isao Hiroshima Univ.	Topological mechanism of nucleation of polymers by means of SAXS
2001G289	USUKI Takeshi Yamagata Univ.	Coordination environment and network structure in noble metal chalcogenide glasses
2001G290	MASAHASHI Naoya Tohoku Univ.	Structural analysis of C14-type Laves TiMn ₂ alloy by XAFS
2001G291	YAMAUCHI Miho Univ. of Tsukuba	Local Structure of Porphyrin Capped Au Nano-Particles by EXAFS Measurement
2001G292	NISHIKAWA Keiko Chiba Univ.	XAFS Study on Structure of Halogen Residue Compounds for graphite and on their High Electric Conductivity
2001G296	YOSHIDA Hisao Nagoya Univ.	XAFS study of silica-based catalysts for photo-induced non-oxidative methane coupling
2001G297	OYAMA S.Ted Virginia Tech	XAFS Investigations of Transition Metal Phosphide Catalysts
2001G298	YAMAGUCHI Aritomo Tokyo Univ. of Science	XAFS studies for porous Ti-Nb binary oxide capsule
2001G300	NANAO Susumu Univ. of Tokyo	EXAFS study of the phase change Ge-Sb-Te thin films for the DVD-RAM
2001G301	KITAYAMA Yoshie Niigata Univ.	XAFS analysis of Ta-based oxide for Photocatalytic Decomposition of Water
2001G302	TIMCHENKO Alexander A. Russian Acad. of Sci.	Structural studies of humic substances from soils different ages by synchrotron small-angle X-ray scattering
2001G303	KUBOTA Takeshi Shimane Univ.	Local structure analysis of Metal Sulfide Catalysts under in-situ conditions for Hydrode-sulfurization reaction by mean of in-situ fluorescence XAFS method
2001G305	KONDOH Hiroshi Univ. of Tokyo	Interfacial structure of alkanethiolate monolayers self-assembled on Ag substrates
2001G306	OKAMOTO Masaki Tokyo Inst. of Tech.	XAFS studies of platinum-containing polymer catalysts supported on metal oxide
2001G308	IZUMI Yasuo Tokyo Inst. of Tech.	Study of V-TiO ₂ Catalysts by Means of XAFS Utilizing Fluorescence Spectrometer
2001G309	ICHIKAWA Masaru Hokkaido Univ.	XAFS characterization of supported metal catalysts prepared in supercritical fluids
2001G310	WAKITA Hisanobu Fukuoka Univ.	Structure analysis of sol-gel titanium oxide by XAFS
2001G311	YOSHIDA Hirohisa Tokyo Metropolitan Univ.	Phase Transition Dynamics of Asymmetrical Structured Films Obtained by Self-organization of Amphiphilic Monomer
2001G312	ASAKURA Kiyotaka Hokkaido Univ.	Development of SR-excited photoelectron energy filtering XPEEM and its application to surface chemical mapping
2001G314	IMAMURA Motoyasu AIST	XAFS and XPS Studies on sulfur tolerance of Pd-Pt catalysts

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2001G315	IWASAWA Yasuhiro Univ. of Tokyo	EXAFS characterization of attached metal complexes prepared by a molecular imprinting method
2001G316	NOMURA Masaharu KEK-PF	Development of time-resolved XAFS experiment (II)
2001G317	RYOO Ryong Korea Adv. Inst. of Sci. & Tech. (KAIST)	Structure of Noble Metal Clusters Supported on Ordered Mesoporous Carbons
2001G318	OHTA Toshiaki Univ. of Tokyo	Local structure analysis of magnetic nano-clusters encapsulated in silica glass
2001G319	OHTA Toshiaki Univ. of Tokyo	Establishment of the photon modulated XAFS and its applicability
2001G320	TATSUMI Takashi Yokohama Natl. Univ.	Local structure of titanium in Ti-Beta
2001G321	ICHIKUNI Nobuyuki Chiba Univ.	Preparation and characterization of sprayed catalysts prepared from colloid solution
2001G322	YOSHIASA Akira Osaka Univ.	Effective pair potentials of octahedral sites in perovskite- and spinel-type compounds
2001G323	YOSHINOBU Jun Univ. of Tokyo	Surface chemistry of hydrogen-bonded molecules
2001G324	NAKAI Izumi Tokyo Univ. of Science	XAFS analysis of nanosheet crystallites of oxides
2001G325	NAKAI Izumi Tokyo Univ. of Science	Development and application of the characterization method of combinatorial materials by using X-ray fluorescence technique
2001G326	SHIMIZUGAWA Yutaka Himeji Inst. of Tech.	Ion beam irradiation effects of oxide thin films formed by oxygen cluster ion beam
2001G327	MATSUBAYASHI Nobuyuki AIST	in situ XAFS study on Ni-Mo(W) catalysts supported on zirconia by molten salt preparation
2001G328	ONO Kanta Univ. of Tokyo	Chemical structures and their depth profiles of incorporated nitrogen in ultrathin silicon gate oxynitride/silicon interfaces
2001G329	OHNUKI Toshihiko JAERI	Study of Uptake Mechanism of Actinides by Bacteria of <i>Saccharomyces cerevisiae</i> and archaea
2001G330	FONS Paul AIST	EXAFS studies relating to technological issues in $\text{CuIn}(\text{Ga})\text{Se}_2$ -based solar cells
2001G331	FONS Paul AIST	EXAFS studies of crystallographic sites of dopants in epitaxial ZnO and CuInSe_2
2001G332	KOLOBOV Alexander AIST	Local structure change in $\text{Ge}_2\text{Sb}_2\text{Te}_5$ films upon reversible amorphous-to-crystalline phase transition
2001G333	KOLOBOV Alexander AIST	Local structure of Ge quantum dots and embedded Ge nanocrystals
2001G334	BABA Yuji JAERI	Search for new two-dimensional multi-element cyclic molecules
2001G335	OKUHARA Toshio Hokkaido Univ.	XAFS investigation on the structure of $\text{MoO}_3/\text{ZrO}_2$ and WO_3/ZrO_2 and effect of treatment with water vapor
2001G336	KIGUCHI Manabu Univ. of Tokyo	Structure and electronic structure of alkali halide thin film on metal surface
2001G337	SHIN Kazuo Kyoto Univ.	Establishment of very intense X ray field and basic study of its applications to behavior of radiation sensitive materials under extreme condition
2001G338	HSIAO Chwan-Deng Academia Sinica, Taiwan	MAD phase determination and high resolution data collection of the outer membrane protein-Toc34 from chloroplasts
2001G339	ISHII Noriyuki AIST	Crystallography of ICDH and V1-ATPase from a thermophile
2001G340	YAO Min Hokkaido Univ.	Crystal structure analysis of intermolecular Diels-Alderase by MAD method
2001G341	KAMITORI Shigehiro Tokyo Univ. of Agri. & Tech.	Structural Study of <i>Thermoactinomyces vulgaris</i> R-47 α -Amylases and enzymes of the novel oligosaccharides metabolic pathway
2001G342	KAKUTA Yoshimitsu Osaka Univ.	X-ray Crystallographic Analysis of ORF3 protein Involved in the Assembly of Iron-Sulfur Clusters
2001G343	KONNO Michiko Ochanomizu Univ.	Crystal structure analysis of the complexes of yeast cyclophilin A homolog (CPR1) and cyclosporinA/peptide

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2001G344	HIGUCHI Yoshiki Kyoto Univ.	X-ray structural chemistry of proteins in the system of hydrogen metabolism.
2001G345	SENDA Toshiya AIST	Crystal structure analysis of CbnR, a member of the LysR family
2001G346	SENDA Toshiya AIST	Crystal structure analysis of an autoregulator-receptor protein in <i>Streptomyces.sp</i>
2001G347	NONAKA Takamasa Nagaoka Univ. of Tech.	Structure and function of galectins from the nematode <i>C.elegans</i>
2001G348	KOIKE Hideaki AIST	X-ray crystallographic study of a global transcription factor originated in archaea.
2001G349	PAI Emil F. Univ. of Toronto	Xanthine dehydrogenase/oxidase
2001G350	KITADOKORO Kengo Kyoto Univ.	X-ray structural analysis of Tetraspanins
2001G351	TANOKURA Masaru Univ. of Tokyo	Structural study of GST mutants by X-ray crystallography
2001G352	TANOKURA Masaru Univ. of Tokyo	The crystal structure of desulfurization enzyme DszB
2001G353	KATAYANAGI Katsuo Hiroshima Univ.	Crystal Structure of Lectin from Algae
2001G354	OHISHI Hirofumi Osaka Univ. of Pharm. Sci.	The X-ray Crystallographic Study of various DNA which has noncanonical structure
2001G355	KONDO Hidemasa AIST	X-ray crystal structure analysis of cold-active enzymes
2001G356	YAJIMA Shunsuke Tokyo Univ. of Agri.	Studies on the catalytic mechanism of reductoisomerase from <i>Escherichia coli</i>
2001G359	HIRAI Mitsuhiro Gunma Univ.	Interaction between glycolipid raft and cholera toxin B-subunit
2001G360	TORIKOSHI Masami Natl. Inst. of Radiological Sci.	Feasibility Study for Development of Dual-Energy X-ray CT
2001G361	ICHIMURA Kaoru Dokkyo Univ. Sch. of Medicine	Solution Structures of folding intermediates of chaperonin GroES and mechanism of oligomerization
2001G362	HAMANAKA Toshiaki Osaka Univ.	Time-resolved x-ray diffraction studies on light induced structural changes of squid visual cell
2001G363	IMAMOTO Yasushi Nara Inst. of Sci. and Tech.	Solution structure of arrestin and its interaction with a receptor
2001G364	YAMAMURA Takeshi Tokyo Univ. of Science	Zn and Co XAFS Studies on the Core Site Models of Hydrolases
2001G365	IZUMI Yoshinobu Yamagata Univ.	Sequence Motifs for Calmodulin Recognition in the Absence of Ca ²⁺
2001G366	IZUMI Yoshinobu Yamagata Univ.	Time-Resolved Studies on Molecular Recognition of Calmodulin/CaMKIV Target Peptide
2001G367	TAKAKURA Kaoru International Cristian Univ.	Chromatid and Chromosome Aberration Induced by Soft X-rays at Ca-K Resonance Absorption Edge
2001G368	MAURIZI Michael R. Natl. Cancer Inst.	Conformational analyses on ATP-dependent protease, ClpP, ClpA and their complexes by solution x-ray scattering
2001G369	WAKABAYASHI Katsuzo Osaka Univ.	X-ray Solution Scattering Studies on Elementary Step Structural Changes of Myosin Head and its Complex with Actin Oligomer during Hydrolysis of ATP
2001G370	WAKABAYASHI Katsuzo Osaka Univ.	High-Resolution X-ray Diffraction from Thin Actin Filaments during Contraction of Skeletal Muscle
2001G371	YOSHINO Hidenori Sapporo Medical Univ.	Solution Structure of Calcineurin B-subunit; Implications for Structure/Function.
2001G372	TIMCHENKO Alexander A. Russian Acad. of Sci.	Solution structure and stability of methyltransferase SsoII and its complexes with DNA duplexes studied by synchrotron small-angle X-ray scattering.
2001G373	SHENG Xiang-Rong Academia Sinica	Refolding Mechanism of Wild and Mutated Adenylate Kinases at Subzero Temperatures
2001G374	FINK Anthony L. Univ. of California at Santa Cruz	Kinetic studies of the early stages of protein aggregation: Application to amyloid fibril systems of alpha-synuclein, insulin and Ig light chains

Proposal Number	Spokesperson	Title
2001G375	SODA Kunitsugu Nagaoka Univ. of Tech.	Structure of the Denatured State and Reverse Hydrophobic Effect of Chemically Modified Proteins
2001G376	KOJIMA Masaki Tokyo Univ. of Pharm. & Life Sci.	Analysis on the unfolding and the refolding of HIV protease
2001G377	TAKAHASHI Hiroshi Gunma Univ.	Interaction Between the Sugar Groups of Gangliosides in Condensed Solution
2001G378	ITO Atsushi Tokai Univ.	Improvement of spatial resolution in projection X-ray microscope using synchrotron radiation
2001G379	WATANABE Yasushi Natl. Food Res. Inst.	Solution X-ray scattering Studies on a P-type ATPase under amphiphilic conditions
2001G380	TAKEDA Tohoru Univ. of Tsukuba	Bioimaging with high spatial resolution type of fluorescent x-ray CT
2001G381	USAMI Noriko KEK-PF	Production yield of clustered DNA damages induced by monochromatic X-rays
2001P001	KITAMOTO Shunji Osaka Univ.	X-ray Transmission Measurement of Optical Blocking Filters for a X-ray CCD
2001P002	UTSUMI Michiaki Tokai Univ.	The Analysis of the Metal-Hydride system by the Maximum Entropy Method
2001P003	NAGASE Toshiro Tohoku Univ.	Quantitative analyses of Brazil twin defects in chalcedony by X-ray powder diffraction method
2001P004	HAYASHI Ken-ichiro Tohoku Univ.	Chemical analysis of fluid inclusions by synchrotron radiation
2001P005	KITAJIMA Fumio Kyushu Univ.	A study of the thermal metamorphism of carbonaceous matter in carbonaceous chondrites by means of XAFS spectroscopy
2001P006	ANDO Hisanori Osaka Natl. Res. Inst.	XAFS study on the coordination structure of the organometallic complex bearing a fluorescent moiety
2001P008	OHTSUKA Sadanori Univ. of Tsukuba	Analysis of myocardial actin-myosin dynamics by using SR
2001P009	MURAKAMI Hiroshi JAERI	Development of time-resolved EXAFS measurement using a hard X-ray pulse synchronized with a pulsed electric field and its application
2001P010	SHONO Atsushi Science Univ. of Tokyo	Measurement of the growth rate of fine particles using small angle X-ray scattering
2001P011	HIROKAWA Nobutaka Univ. of Tokyo	X-ray crystallography of the single-headed motor, KIF1A
2001P014	KUBOTA Kenji Gunma Univ.	Structure of bicelle formed by mixed surfactants
2001P015	MATSUJURA Haruaki Tokyo Inst. of Tech.	EXAFS analysis on molten lithium fluoride-lead fluoride mixture
2001P016	KANEKO Katsumi Chiba Univ.	Structures of low-dimensional ionic solutions confined in nanospaces
2001P017	TAKAHASHI Hiroshi Gunma Univ.	XRD-DSC simultaneous measurements of ice crystals formed in polymer gels
2001P019	SHIMURA Takayoshi Osaka Univ.	Development of Characterization Technique of SOI Wafers by X-ray Topography
2001P020	OGATA Hironori Hosei Univ.	Structure analysis of molecular coordinated alkali-fullerene compounds
2001P021	OHSATO Hitoshi Nagoya Inst. of Tech	The Effect Of Rare-earth (Sm, Ho, and Yb) on the Microstructure in BaTiO ₃
2001P022	KANAYA Toshiji Kyoto Univ.	Effects of deuterated solvents on gelation process of poly(vinyl alcohol)
2001C001	MATSUSHITA Tadashi Nippon Steel Corp.	Dynamical explication of material processing with SR
2001C002	IIDA Atsuo Fujitsu Laboratories Ltd.	Study on structure analysis of thin film surface and interface
2001C003	NOMURA Masaharu CAC's	XAFS analysis of dopants in semiconductor compounds
2001C004	NOMURA Masaharu Mitsui Chemical Analysis Center	XAFS analysis of small quantity metals in thin film and catalyst

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Proposal Number	Spokesperson	Title
2001C005	NOMURA Masaharu Toray Research Center, Inc.	Development of sample cells for catalysis observation with XAFS
2001C006	NOMURA Masaharu Sumitomo Chemical Corp.	Precise structural and chemical analysis of various catalysis with XANES
2001C007	NOMURA Masaharu NEC Ltd.	Structure characterization of material for semiconductor devices
2001C008	IIDA Atsuo Canon Ltd.	Study on microanalysis using SR X-ray microbeam
2001C009	YAGISHITA Akira NTT Ltd.	Study on semiconductor surface by high-resolution photoelectron spectroscopy
2001C010	KOBAYASHI Katsumi NKK Corp.	Technological establishment of physical analysis with SR
2001C011	YAGISHITA Akira Nikon Corp.	SR characterization of multi-layer mirrors for soft X-ray region
2001C012	HIRANO Keiichi Hitachi Ltd.	Study on X-ray imaging
2001C013	KISHIMOTO Shunji Ohyo Koken Kogyo Co LTD.	Development of high-counting rate scintillation counter for high energy X-rays
2001C014	NOMURA Masaharu Nippon Mitsubishi Oil Corporation	Studies on energy-conserving type lubricants by fluorescent XAFS
2001C015	NOMURA Masaharu Mitsubishi Chemical Corp.	XAFS analysis of materials for Li battery
2001C016	MATSUSHITA Tadashi FAIS	Structural biology using SR X-rays
2001C017	IIDA Atsuo Sumitomo Chemical Corp.	Dynamical structure change of synthesized polymers with small angle scattering
2001C018	IGARASHI Noriyuki NASDA	Studies on effects of microgravity on protein crystal growth
2001Y001	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
2001Y002	Idemitsu Kosan Co., Ltd.	Development of highly dispersed Ni-supported hydrodesulfurization catalysts
2001Y003	Sato S. Fujitsu Laboratories Ltd.	Material characterization by SR at BL-17A, 17B and 17C

*C-type propose are submitted by PF staff members in collaboration private companies etc. shown in theparentheses.

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