

Proposal Number	Spokesperson	Title
2004S1-001	KOSHIHARA Shinya Tokyo Inst. of Tech.	Construction and utilization of sub-nanosecond resolved diffraction beam lines to search for strongly correlated materials in the non-equilibrium states
2004U001	VASSYLYEV Dmitry RIKEN	Structural studies of the multi-subunit RNA polymerase elongation complex
2004U003	JIANG Jian Zhong Zhejiang Univ., China	Pressure-Temperature Diagram for Metallic Glass Zirconium
2004U004	LESCAR Julien NTU	Structure determination of IBV nucleocapsid
2004U005	KAMINISHI Tatsuya RIKEN	Crystallographic study of <i>T.thermophilus</i> 30S subunit
2004G001	KUMIGASHIRA Hiroshi Univ. of Tokyo	<i>In-situ</i> angle-resolved photoemission study on well-ordered surfaces of perovskite oxides grown by Laser MBE
2004G002	FUJIMORI Atsushi Univ. of Tokyo	Photoemission study of Cr-doped high-Tc ferromagnetic semiconductors
2004G003	KOBAYASHI Yoshinori AIST	Study of positronium emission from porous thin films by time-of-flight spectroscopy
2004G004	SAITO Tomohiko Tokyo Univ. of Sci.	Electronic structure of trivalent cobalt oxides studied by photoemission and x-ray absorption spectroscopy
2004G005	WATANABE Kazutoshi AIST	Angle-resolved photoemission spectroscopy of Cu(10N) surface
2004G006	MIYAHARA Tsuneaki Tokyo Metropolitan Univ.	Temperature dependence of magnetic circular dichroism of x-ray emission and x-ray absorption of rare-earth compounds
2004G007	OZAWA Kenichi Tokyo Inst. of Tech.	Electronic structure of the metal adsorbed ZnO(10-10) surface measured by angle-resolved photoelectron spectroscopy
2004G008	MARUYAMA Kohichi IMS	Magnetic moments of Electrodeposited Nickel thin films by means of Soft x-ray MCD experiment
2004G009	NAKATSUJI Kan Univ. of Tokyo	Magnetism and electronic states of Co nanodots array on N/Cu(001) surfaces
2004G010	LABLANQUIE Pascal LURE, France	Experimental Investigation of the ICD(Inter-site Coulombic Decay) process
2004G011	SAKAMOTO Kazuyuki Tohoku Univ.	Electronic and geometric structures of the one-dimensional Yb/and Eu/Si(111)-(n×1) structures
2004G012	UKAI Masatoshi Tokyo Univ. of Agri. &	X-ray fluorescence study for the ultra-fast dissociation of inner-shell-excited light-atom molecules
2004G013	NAKAJIMA Nobuo Hirosaki Univ.	Soft X-ray emission study of Fe(Co)/Al/Si films with suppression of silicides formation
2004G014	MILLS Allen Univ. of CA, USA	The Quantum Sticking Problem:Collective effects in the dephasing rate of a quantum system
2004G015	DOYAMA Masao Teikyo Univ. of Sci. &	Positronium TOF Experiments Aiming at the Lens Design of Positron Microscopes
2004G016	HIKOSAKA Yasumasa IMS	Threshold electron-electron coincidence study on indirect double photoionization
2004G017	MASE Kazuhiko KEK-PF	Study of surface molecules and thin film using Auger-photoelectron coincidence spectroscopy
2004G018	YAMADA Nobuyoshi Univ. of Electro-Commun.	Study on electronic density of states in the filled skutterudite compounds by x-ray absorption and emission spectroscopy
2004G019	UEDONO Akira Univ. of Tsukuba	Characterization of low-k materials by Ps-TOS
2004G020	KISHIMOTO Shunji KEK-PF	Observation of NEET on <sup>187</sup> Os in L-shell ionization with an APD electron detector
2004G021	SUN Hai-Lin Univ. of Tokyo	Study of magnetic coupling and the influences of molecules adsorption on the top layer surface spin in the Co/Mn(wedge)/Fe/Ag(100) system by X-Ray Photoemission Electron Microscopy
2004G022	KAWATA Hiroshi KEK-PF	Measurements of 3-dimensional electron momentum density by means of (X,eX) coincidence technique
2004G023	YOSHIKAWA Masayuki Univ. of Tsukuba	Absolute calibration for VUV and SX spectrographs.
2004G024	SHIMOMURA Masaru Shizuoka Univ.	Structural analysis of the organic-molecule-adsorbed semiconductor surfaces by photoelectron diffraction
2004G025	EDAMOTO Kazuyuki Tokyo Inst. of Tech.	Angle-resolved photoemission study of clean and Oxygen-modified Mo <sub>2</sub> C(0001) surfaces
2004G026	KOBAYASHI Eiichi KEK-PF	Study of ion desorption induced by core-electron excitations of surface molecules using electron-polar-angle-resolved-ion coincidence spectroscopy

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2004G027	KONO Shozo Tohoku Univ.	Surface Structural Science of Bio-Molecular Fixation on Diamond Surfaces through Adsorption Control I
2004G028	IMAMURA Motoyasu AIST	Precise estimation of the effective attenuation length of the electrons in the films fabricated by evaporation
2004G029	MOMOSE Atsushi Univ. of Tokyo	Development of soft X-ray interferometer using amplitude-division half mirrors
2004G030	GUNJI Shuichi Yamagata Univ.	Test of the Performance for Hard X-ray Polarimeter Using MAPMT
2004G031	KISHIMOTO Shunji KEK-PF	Development of silicon avalanche photodiode detectors for nuclear-excitation experiments
2004G032	KITAGAWA Hiroshi Kyushu Univ.	X-ray structural analyses of MMX-chain complexes under high pressures
2004G033	OHTAKA Osamu Osaka Univ.	X-ray in situ observations using SiC-Diamond composite anvils prepared by HIP method
2004G034	HIRAI Hisako Univ. of Tsukuba	Search for a possible "post filled-ice structure of methane hydrate" under very high pressure.
2004G035	UOSAKI Kohei Hokkaido Univ.	In-situ Structural Analysis of Formation and Desorption Process of Self-assembled Monolayer (SAM) on Metal Electrode
2004G036	KIMURA Yasuyuki Univ. of Tokyo	Study on structure and order formation in chiral twin liquid crystals
2004G037	ISHIZAWA Nobuo Nagoya Inst. of Tech.	Measurement of electron density distribution of spinel-type compounds using small crystals
2004G039	NODA Yukio Tohoku Univ.	Orbital order and order parameter of $\text{YMn}_2\text{O}_5$ with ferroelectricity and magnetic ordering
2004G040	KIMURA Hiroyuki Tohoku Univ.	Measurements of lattice constants and search for order parameters associated with a ferroelectric phase transition in $\text{SrTi}^{18}\text{O}$
2004G041	ISHII Kenji JAERI	Resonant x-ray scattering study of the filled skutterudites $\text{RERu}_4\text{P}_{12}$ (RE=Pr,Sm)
2004G042	NOMURA Kiyoshi Univ. of Tokyo	Layer by layer analysis of thin films on stainless steel by grazing incident synchrotron radiation Mössbauer spectroscopy
2004G043	ISHIDA Kohtaro Tokyo Univ. of Sci.	ATS scattering from titanium dioxides
2004G044	YAGI Takehiko Univ. of Tokyo	Development of high pressure-temperature X-ray diffraction techniques by an opposed-anvil type apparatus using sintered diamond
2004G045	YAGI Takehiko Univ. of Tokyo	Physical Properties and Phase Transition in Crystals under uniaxial stress field
2004G046	TSUJI Kazuhiko Keio Univ.	Structure of liquid II-VI and I-VII compounds under pressure
2004G047	INOUE Toru Ehime Univ.	Structure of hydrous magnesian silicate liquid under high pressure
2004G048	NORBERG T. Stefan Tokyo Inst. of Tech.	Charge density characterisation of KTP-type ferroelectric materials
2004G049	OKADA Yasumasa KEK-PF	Precision measurement of Si single crystal d-spacing by x-ray diffraction at high temperature
2004G050	KUBOZONO Yoshihiro Okayama Univ.	Structures of alkaline-metal doped higher-fullerene crystals
2004G051	ARIMA Takahisa Univ. of Tsukuba	Magnetism on Superlattice Interfaces
2004G052	FUJIMOTO Hiroyuki AIST	High sensitivity of crystal d-spacing variation by x-ray diffraction
2004G053	FUJIMOTO Hiroyuki AIST	Precision wavelengthes measurement of Mössbauer nuclear resonant $\gamma$ -ray
2004G054	UEKUSA Hidehiro Tokyo Inst. of Tech	Structure analysis of phthalein dye molecules from powder X-ray diffraction data by direct space method
2004G055	KIKEGAWA Takumi KEK-PF	Development of a new tapered-anvil design by analyzing pressure distribution in the pressure medium
2004G056	OGATA Hironori Hosei Univ.	Structure analysis of new fulleroid charge transfer compounds
2004G057	KOBAYASHI Mototada Himeji Inst. of Tech.	X-ray diffraction of lithium fullerenes $\text{Li}_x\text{C}_{60}$ and $\text{Li}_x\text{C}_{70}$
2004G058	YASHIMA Masatomo Tokyo Inst. of Tech.	Development of high-temperature furnaces for synchrotron radiation powder diffraction experiments and new frontier of high-temperature structural science

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2004G059	SHIMURA Takayoshi Osaka Univ.	Synchrotron X-ray Diffraction Study of the Interface Structure between Very Thin Insulators and Si substrates
2004G060	TANAKA Masahiko KEK-PF	Characterization of large size Ga <sub>2</sub> O <sub>3</sub> crystals grown by floating zone method with synchrotron radiation X-ray
2004G062	NAITO Toshio Hokkaido Univ.	Oxidation state and content of silver atoms in the single crystals of a photoreactive molecular metal
2004G063	TAKAHASHI Isao Kwansei Gakuin Univ.	Thermal properties of polystyrene surfaces with macroscopic thickness and those of ultrathin films
2004G064	OKAMOTO Yoshihiro JAERI	XAFS study in pyrochemical reprocessing of nuclear fuel cycle
2004G065	EMURA Shuichi Osaka Univ.	Structure analysis on high density H absorbed nano-size Pd in H-absorbed state - Application to a fuel battery
2004G066	SUGIYAMA Masaaki Kyoto Univ.	Study on Nano-Structure Formation of Organic Metal Polymer by Small-Angle X-ray Scattering utilized with Anomalous X-ray dispersion Effect
2004G067	AKABORI Mitsuo JAERI	X-ray Absorption Spectroscopic Studies of TRU Elements Containing Compounds
2004G068	MAYAMA Hiroyuki Hokkaido Univ.	Small-angle X-ray scattering study on semi-flexible polymer bundle formed under first-order phase transition
2004G069	HIKOSAKA Masamichi Hiroshima Univ.	Mechanism of nucleation of polymers during the induction period
2004G070	HASHIMOTO Takeji Kyoto Univ.	Control of Microdomain Orientation in Block Copolymers via Self-Assembling under Temperature Gradient
2004G071	YONENAGA Ichiro Tohoku Univ.	XAFS study on local structure around Ge atoms in GeSiC and GeSiSn alloys
2004G072	UENO Satoru Hiroshima Univ.	<i>In-situ</i> observation study for nucleation process of nano-meter-size particles in O/W emulsion
2004G073	OFUCHI Hironori Nagoya Univ.	Fluorescence XAFS study of local structure around Eu ions implanted in (Al,Ga)N
2004G074	WATAOKA Isao Shinshu Univ.	High-order structural characteristics of some sugar proteins: Fucose side chain effect on the conformation of polysaccharide main chains
2004G075	AMEMIYA Yoshiyuki Univ. of Tokyo	Time-resolved simultaneous two-dimensional SAXS/WAXS study of crystallization of alkanes in oil-water (O/W) emulsion system
2004G076	NASU Hiroyuki Mie Univ.	Structure Analysis of Eco-high Index Glasses Containing Large Amount of TiO <sub>2</sub>
2004G077	HARA Kazuhiro Kyushu Univ.	Correlation between Hazardous-Ion-Adsorption Ability and Structure in Environmental Purifying Hydrogels
2004G078	KAGEYAMA Hiroyuki AIST	XAFS study of local structure around metal atoms in cathode materials for all-solid-state lithium secondary battery
2004G079	KANEKO Katsumi Chiba Univ.	Local structure of nano-ionic solution of confined potassium and calcium
2004G080	IWASAWA Yasuhiro Univ. of Tokyo	XAFS study of supported chiral vanadium catalysts for 2-naphthol coupling reaction
2004G081	IWASAWA Yasuhiro Univ. of Tokyo	XAFS characterization of molecular-imprinted Cu-BOX catalysts
2004G082	IWASAWA Yasuhiro Univ. of Tokyo	XAFS study of supported and molecular-imprinted PD-complex catalysts for hydroamination
2004G083	HAYASHI Kenichiro Tohoku Univ.	Behavior of elements during fluid boiling in the high temperature hydrothermal systems
2004G084	UO Motohiro Hokkaido Univ.	The study of chemical state of metallic elements existed in the black allochroic tissue around medical and dental titanium and other metallic implants
2004G085	OHTA Toshiaki Univ. of Tokyo	XAFS study of local structures of mono-dispersed nanocluster alloys
2004G086	D. D. Sarma IISc, India	EXAFS Investigation of Disorder in Substituted Transition Metal Oxides, La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> and La <sub>1-x</sub> Sr <sub>x</sub> FeO <sub>3</sub>
2004G087	TAKESHITA Hiroki Nagaoka Univ. of Tech.	Effects of microdomain structure on crystallization of block copolymers
2004G088	MACHIDA Masato Kumamoto Univ.	XAFS studies on the local structure of metal ion species intercalated into layered compounds
2004G089	MIKOUCHI Takashi Univ. of Tokyo	Estimate of oxygen fugacity of magmas as deduced from Fe <sub>3</sub> +ΣFe XANES analysis of synthetic pyroxenes
2004G090	SHIOMI Tomoo Nagaoka Univ. of Tech.	Structure formation by combination of microphase separation and liquid-crystallization in block copolymers

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2004G091	KAITO Akira AIST	Mechanistic studies on the oriented crystallization of isotactic polystyrene/poly(phenylene oxide) blends
2004G092	KURODA Yasushige Okayama Univ.	Analysis of Coordination Structure around Copper-ion Exchanged in MFI-type Zeolite Being Active for N <sub>2</sub> Adsorption at 300K
2004G093	NOJIMA Syuichi Tokyo Inst. of Tech.	Crystallization Behavior of Homopolymers within a nm-Size Sphere
2004G094	HATTORI Yoshiyuki IRI	Characterization of adsorptive properties of assembled transition metal complexes by XAFS
2004G095	CHOY, Jin-Ho Seoul Natl. Univ., Korea	X-ray absorption studies of the inorganic-inorganic nanohybrid materials for the elucidation of the structure-property correlation
2004G096	CHOY, Jin-Ho Seoul Natl. Univ., Korea	X-ray absorption spectroscopic studies for well-crystalline and nanocrystalline lithium transition metal oxo-chalcogenides and polymer-hybridized manganese
2004G097	ICHIYANAGI Yuko Yokohama National Univ.	Local structure analysis of nanoscopic magnetic materials
2004G098	Sulabha K. kulkarni Univ. of Pune, India	NEXAFS and EXAFS Investigations of Europium Doped Zinc Oxide Nanoparticles
2004G099	MIMURA Naoki AIST	Characterization of TiO <sub>2</sub> catalysts prepared from Ti <sub>2</sub> dimer complex
2004G100	KIMURA Yoshifumi Kyoto Univ.	Analysis of the hydration of the transition metals in supercritical water
2004G101	HARADA Masafumi Nara Woman's Univ.	Studies for the formation of transition metal nanoparticles prepared from reverse micelles of metal complex surfactants
2004G102	HARADA Masafumi Nara Woman's Univ.	EXAFS analysis in Forming of Metal Colloids in Water-in-scCO <sub>2</sub> Microemulsions
2004G103	OYANAGI Hiroyuki AIST	Local structure study of epitaxially grown LaSrCuO single crystals
2004G104	OYANAGI Hiroyuki AIST	Local lattice anomalies in single-domain YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> studied by X-ray absorption spectroscopy
2004G105	OYANAGI Hiroyuki AIST	Photoinduced structural change studied by X-ray absorption spectroscopy
2004G106	OYANAGI Hiroyuki AIST	Photoinduced defects studied by X-ray absorption spectroscopy
2004G107	SAINI L. Naurang Universita' di Roma, Italy	EXAFS Measurements on the La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> Single Crystals as a Function of Doping to Explore
2004G108	FUJISAWA Kiyoshi Univ. of Tsukuba	Research on Metal-Thiolate Cluster by Sulfur K-edge Spectroscopy
2004G109	TAKIUE Takanori Kyushu Univ.	Direct determination of surface concentration of surfactants having chemically bonded bromine within hydrophobic group
2004G110	ARITANI Hirofumi Saitama Inst. of Tech.	XAFS characterization of active Mo species on SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> for dehydroaromatization of alkanes
2004G111	KANEDA Kiyoomi Osaka Univ.	XAFS Study on Local Structure of High-Functionalized Metal Catalysts Immobilized on the Surface of Inorganic Crystals
2004G112	MIZOGUCHI Teruyasu Univ. of Tokyo	Investigation on nano-wires of transition metals Al <sub>2</sub> O <sub>3</sub>
2004G113	TAKANISHI Yoichi Tokyo Inst. of Tech.	2 Dimensional Analysis of Local Layer Structure in Novel Liquid Crystalline Phases using
2004G114	URAKAWA Hiroshi Kyoto Inst. of Tech.	Effect of coexistent cations on sol-gel transition of aqueous solutions of polysaccharide
2004G115	KAGEYAMA Hiroyuki AIST	Coordination structure of Cu ions in (Cu+S)-ion implanted silica glass
2004G116	FUKANO Atsuyuki AIST	High-insulating ultra-thin SiO <sub>2</sub> film grown by VUV-photon
2004G117	KUBOTA Takeshi Shimane Univ.	Clarification of the effects of chelate-added hydrodesulfurization catalyst by means of in-situ XAFS
2004G119	TAKAHASHI Yoshio Hiroshima Univ.	On the relationship between solubility and chemical-state of sulfur in magma under different redox condition
2004G120	KURISAKI Tsutomu Fukuoka Univ.	XAFS analysis of the characterization of metalloporphyrin complexes in solution at various pH values
2004G121	TSUNO Hiroshi AIST	Study of the chemical change of chromium in contaminated soil by XAFS analysis
2004G122	HAGA Nobuhiko Himeji Inst. of Tech.	Trace elements analyses and chemical state analyses of biominerals in plants



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2004G123	NISHIKAWA Keiko Chiba Univ.	Study on Fluctuation and Mixing Scheme of Benzene-Water Systems in Supercritical States
2004G125	YOSHITAKE Hideaki Yokohama Natl. Univ.	Structural Analysis of Platinum Particles on Mesoporous Carbon Electrodes
2004G126	RYOO Ryong KAIST, Korea	Carbidization of Metal Clusters on Mesoporous Carbons
2004G127	IKEURA Hiromi AIST	Chemical mapping for biomaterials using X-ray zone plate
2004G128	WATANABE Nobuhisa Hokkaido Univ.	The structural analysis of editing mechanism of alanyl-rRNA synthetase
2004G129	WATANABE Nobuhisa Hokkaido Univ.	Structural analysis of the L-rhamnose pathway component protein from hyperthermophilic archaeobacterium <i>Sulfolobus tokodaii</i>
2004G130	YAO Min Hokkaido Univ.	Structure analysis of glycoside hydrolase family 31 $\alpha$ xylosidase
2004G131	YAO Min Hokkaido Univ.	Structure analysis of translation eIF2B complex
2004G132	OKUYAMA Kenji Tokyo Univ. of Agri. &	Stabilization and destabilization mechanism of collagen triple-helix based on crystal structure analyses of host/guest peptides at high resolution
2004G133	TSUGE Hideaki Tokushima Bunri Univ.	Crystal structure analysis of sphingomyelin metabolism enzymes.
2004G134	NISHIYAMA Makoto Univ. of Tokyo	Crystallographic analysis of LysN, aminotransferase in <i>Thermus thermophilus</i> HB27, an extreme thermophilic bacterium
2004G135	HIROKAWA Nobutaka Univ. of Tokyo	X-ray crystallography of the kinesin motors
2004G136	TAGUCHI Hayao Tokyo Univ. of Sci.	Systematic structural analysis of bacterial lactate dehydrogenases
2004G137	NOJIRI Hideaki Univ. of Tokyo	Crystallographic study of carbazole 1, 9a-dioxygenase from <i>Sphingomonas</i> sp. strain KA1
2004G138	KANG Sa-Ouk Seoul Natl. Univ., Korea	Structural analysis of a new type of a NADPH-dependent quinone oxidoreductase from <i>Escherichia coli</i> .
2004G139	NISHINO Takeshi Nippon Medical School	Enzyme Reaction Intermediates of Xanthine Oxidoreductase.
2004G140	SHIRAKIHARA Yasuo Natl. Inst. of Genetics	Structure of transcription factors responsible for <i>Pseudomonas aeruginosa</i> pathogenicity
2004G141	SUGANO Yasushi Tokyo Inst. of Tech.	Crystallographic analysis of de novo peroxidase-like enzyme (DyP) and its substrate complex
2004G142	FUJIMOTO Zui Natl. Inst. of Agrobiol. Sci.	Crystallographic study of <i>Collectorichum lidemuthianum</i> chitin deacetylase.
2004G143	PENMETCHA K. R. Kumar	Crystallographic study of RNA duplex including G.U wobble pairs
2004G144	MURAYAMA Kazutaka RIKEN	Crystal structure determination of DNA polymerase accessory protein BMRF1
2004G145	KOIKE Hideaki AIST	Structure determination and analysis of Feast-famine regulatory proteins originated in bacteria
2004G146	FUKAKI Shuya Tokyo Inst. of Tech.	Elucidation of the mechanism for membrane-fusion by X-ray crystallography of NSF and Sec6/8 complex
2004G147	KUMAR K. R. Penmetcha AIST	Crystal structure of transcription regulating protein HutP complexed with RNA and L-histidine
2004G148	KAMADA Katsuhiko RIKEN	Structural analysis of Bacterial Cell Death System-related Protein Complex
2004G149	KITADOKORO Kengo Kyoto Univ.	X-ray structural analysis of CPE toxin
2004G150	KITADOKORO Kengo Kyoto Univ.	X-ray structural analysis of Diphtheria Toxin mutant
2004G151	SENDA Toshiya AIST	Analysis of electron transfer mechanism between Bph4 and BphA3 on the basis of ultra-high resolution crystal structures
2004G152	SENDA Toshiya AIST	Crystal structure analysis of acetyl-CoA carboxylase from <i>Corynebacterium glutamicum</i>
2004G153	KONNO Michiko Ochanomizu Univ.	The study of comparison of structures of arginyl-tRNA synthetases with large variation of usage of codon for different species
2004G154	SHIBATA Naoki Himeji Inst. of Tech.	X-ray structural studies of Axin mutants

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2004G155	PADMANABHAN B. RIKEN	Structure and functional analysis of a histone chaperone, CIA: an interactor of TAF <sub>II</sub> 250
2004G156	SATO Takao Tokyo Inst. of Tech.	Crystallography of enzyme groups of polyamine synthase
2004G157	WAKATSUKI Soichi KEK-PF	Crystallographic analysis of microtubule binding region of dynein heavy chain
2004G158	AIBARA Shigeru Kyoto Univ.	Studies on the reaction mechanism of hen egg-white lysozyme by the time-resolved X-ray crystallography
2004G159	WAKATSUKI Soichi KEK-PF	Structure determination of the small GTPase Rab27A alone and in complex with its effectors involved in insulin release and melanosome transport
2004G160	WAKATSUKI Soichi KEK-PF	Structure determination of the human sialidase Neu2 in complex with influenza neuraminidase inhibitors
2004G161	WAKATSUKI Soichi KEK-PF	Crystallographic analysis of SKD1 and mutant SKD1
2004G162	WAKATSUKI Soichi KEK-PF	Crystallographic analysis of Hrs on ubiquitinated-protein sorting
2004G163	WAKATSUKI Soichi KEK-PF	Crystallographic analysis of the motor domain of dynein
2004G164	WAKATSUKI Soichi KEK-PF	Structural analysis of the autophagic PI3 kinase complex, Beclin/p150/hVps34.
2004G165	MIKI Kunio Kyoto Univ.	X-ray Crystallography of Enzymes Catalyzing UDP- <i>N</i> -acetylglucosamine Synthesis
2004G166	NAGATA Kouji Univ. of Tokyo	Crystal structure analysis of the KIX domain of CREB-binding protein
2004G167	TANOKURA Masaru Univ. of Tokyo	Crystal structure analysis of a carboxypeptidase from <i>Thermus thermophilus</i>
2004G168	SAKABE Noriyoshi KEK	Studies on data collection for time-resolved protein crystallography and technical developments
2004G169	TSUMOTO Kouhei Tohoku Univ.	Dissection of various antigen-antibody interactions based on structural information
2004G170	MIYAHARA Ikuko Osaka City Univ.	X-ray crystallographic study of serine racemase from <i>Schizosaccharomyces</i>
2004G171	IGARASHI Noriyuki KEK-PF	Instrumentation and development of phasing method for using anomalous signals from sulfur atoms in protein crystals
2004G172	WANG H.-J Andrew Academia Sinica, Taiwan	Structural and functional analysis of sialic acid synthase
2004G173	YOSHIZAKI Izumi NASDA	Systematic study on the correlation of protein crystal growth condition and the crystal quality
2004G174	TORIKOSHI Masami NIRS	Feasibility Study for Development of Dual Energy X-ray CT
2004G175	HIRAGI Yuzuru Kansai Medical Univ.	SAXS Study on the Activity and Structure of an Aldorase from Hyperthermophilic Archaeon
2004G176	MATSUOKA Shinji Sapporo Medical Univ.	Study of the formation mechanisms of glycosignaling domain of GM3 using lipids having unsaturated alkyl chain
2004G177	HIRAI Mitsuhiro Gunma Univ.	Role of lysobisphosphatidic acid on the lipid domain in the glycolipid recycling
2004G178	TAKAHASHI Hiroshi Gunma Univ.	Structural analysis of late endosomal membrane phospholipid : lysobisphosphatidic acid
2004G179	TAKAKURA Kaoru ICU	Study of signal induction in cultured cells irradiated with soft X-ray microbeam
2004G180	TOYOFUKU Fukai Kyushu Univ.	Super magnification imaging of mammographic microcalcifications using micro-focus fluorescent X-rays
2004G181	SAKAKIBARA Yuzuru Univ. of Tsukuba	Synchrotron radiation microangiography for evaluating peripheral circulation of the extremity, coronary vasospasm and angiogenesis
2004G182	IDE Ari Kyoto Univ.	Influences of Microelement upon Cell Functions
2004G183	TOKUMORI Kenji Kyushu Univ.	Development of a magnification system for dental region using fluorescent X-ray source
2004G184	KIHARA Hiroshi Kansai Medical Univ.	Study on protein folding of src SH3 domain cryo-stopped-flow X-ray scattering
2004G185	HIEDA Kotaro Rikkyo Univ.	Photon energy dependence (2-15keV) of cell inactivation and DNA strand break

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2004G186	KATAOKA Mikio NAIST	Molecular switch mechanism of histidine-kinase Cph1
2004G187	KATO Hiroo Hirosaki Univ.	Angle-resolved photoemission study of epitaxial La and Ce films on W(100)-2
2004G188	SAKISAKA Yasuo Hirosaki Univ.	Angle-resolved photoemission study of the 4s band structure and existence or nonexistence of high-energy valence-band satellites in Ni
2004G189	OKUDA Taichi Univ. of Tokyo	Performance test of SR-STM(II)
2004G190	EJIMA Takeo Tohoku Univ.	Depth Analysis of Magnetic Multilayers by X-ray Standing-wave Photoelectron Spectroscopy
2004G191	KOBAYASHI Hisao Univ. of Hyogo	Electronic states of Fe compounds under extreme conditions studied by Nuclear resonant scattering method
2004G192	ARUGA Tetsuya Kyoto Univ.	Angle-resolved photoemission study on low-temperature phase transition on In/Cu(001) surface
2004G193	TEZUKA Yasuhisa Hirosaki Univ.	X-ray Scattering and Emission Study on Electronic Structure of Ti-oxide
2004G194	SATO Hitoshi Hiroshima Univ.	Study on metal-insulator transition of $Ti_2O_3$ by means of polarization-dependent soft X-ray emission spectroscopy
2004G195	ADACHI Junichi KEK-PF	Development of spectroscopic technique 4s with synchrotron radiation for probing atoms and molecules in an intense laser field
2004G196	ODAGIRI Takeshi Tokyo Inst. of Tech	Multiply excited molecules as studied by ( $\gamma$ , $2\gamma$ ) spectroscopy
2004G197	FUJII Tatsuo Okayama Univ.	Site-specific photoelectron spectroscopy of $FeTiO_3$ by resonant x-ray excitations
2004G198	SODA Kazuo Nagoya Univ.	Transition metal <i>d</i> states in Al-Ni-Co and Al-Cu-Co decagonal single quasicrystals
2004G199	ISHII Hiroyoshi Tokyo Metropolitan Univ.	Photoemission Spectroscopy of Carbon Nanotubes and Fullerene Peapods
2004G200	AIURA Yoshihiro AIST	Development of ARPES on quasi-2D materials using multi-axis cryogenic sample manipulator
2004G201	NAGATA Tetsuo Meisei Univ.	Photoionization processes in the 2s and 2p regions of Na and Mg atoms
2004G202	YAMADA Nobuyoshi Univ. of Electro-Commun.	Study on electronic density of states in superconducting by soft x-ray absorption and emission spectroscopy
2004G203	HARRIES James KEK-PF	Multiple photo-excitation of light atoms and molecules, measurement of lifetimes with fluorescence, and Lifetime-Resolved
2004G204	IWAZUMI Toshiaki KEK-PF	Polarization Dependence and Magnetic Linear Dichroism of Gd3d-2p Emission Spectrum
2004G205	KURIHARA Toshikazu KEK-PF	Study of positronium emission from metal surface by means of time-flight spectroscopy
2004G206	KOIDE Tsuneharu KEK-PF	Angle-Resolved Magnetid Circular and Configuration-Dependent Magnetic Linear X-ray Dichroism in High Correlated Electron Compounds. II
2004G207	HOSOKAWA Shinya Hiroshima Inst. of Tech.	A study of partial density of states in the most stable metallic glass $Pd_{43}Ni_{10}Cu_{27}P_{20}$ by the soft X-ray emission spectroscopy
2004G208	MITSUKE Koichiro IMS	Bond-selected photodissociation of vibrationally excited molecules using combination of synchrotron radiation and laser
2004G209	AZUMA Yoshiro KEK-PF	Penning ionization process of metastable lithium ions
2004G210	AOTO Tomohiro KEK-PF	Development of a high efficiency electron energy analyzer for investigation of atom and molecule multiple
2004G211	WATANABE Yasuhiro Univ. of Tokyo	Reconstruction of the momentum distribution of magnetic electrons in Al-Mn-Fe-Ge decagonal phase by magnetic Compton Scattering
2004G212	KUBOTA Masato KEK-PF	Photoemission spectroscopy on nanosheets of transition metal oxide
2004G213	MIYAHARA Tsuneaki Tokyo Metropolitan Univ.	Search for nonlinear effects in the soft-X-ray region
2004G214	KITAMOTO Shunji Rikkyo Univ.	Evaluation of a newly designed transmission polarimeter with multi layers
2004G215	SHIOTANI Nobuhiro KEK-PF	Development of high-resolution magnetic Compton scattering
2004G216	HASHIZUME Hiroo NAIST	Effects of the surface structures of buffer layers on the interface structures and magnetic properties of metal multilayers

Proposal Number	Spokesperson	Title
2004G218	AKIMOTO Koichi Nagoya Univ.	Lattice strains at the semiconductor interfaces and surfaces by multi-wavelength measurements
2004G219	IKEMOTO Hiroyuki Toyama Univ.	Phase transition of bismuth clusters
2004G220	TATSUMURA Kosuke Waseda Univ.	X-ray diffraction study of oxidation and nitridation mechanism of thermal SiO <sub>2</sub> film
2004G221	KAWANO Masaki Univ. of Tokyo	Synchrotron structure analysis of self-assembled giant metal complexes and in situ observation of photo-induced unstable intermediates
2004G222	TABUCHI Masao Nagoya Univ.	Investigation of quantum-structure based on III-V compound semiconductor heterostructure by X-ray CTR scattering measurement
2004G223	HARUYAMA Osami Tokyo Univ. of Sci.	Anomalous thermal-induced chemical short range ordering process in a Pd <sub>40</sub> Cu <sub>40</sub> P <sub>20</sub> metallic glass
2004G224	OHSHIMA Kenichi Univ. of Tsukuba	Study on the relationship between the structural fluctuations and phase stability in CuMPt <sub>6</sub> alloys (M=3d metal)
2004G225	KUBO Tomoaki Kyushu Univ.	Kinetics of diffusion reaction layers in mantle minerals at high pressure
2004G226	KAWAMOTO Tadashi Tokyo Inst. of Tech.	Structural properties of incommensurate organic superconductors
2004G227	AMEMIYA Yoshiyuki Univ. of Tokyo	Observation of surface effect on crystallization in a single droplet with microbeam simultaneous small- and wide-angle X-ray scattering
2004G228	ARIMA Takahisa Univ. of Tsukuba	Incommensurate superstructure in orthorhombic RMnO <sub>3</sub>
2004G229	YAMANAKA Takamitsu Osaka Univ.	Pressure-induced phase transition and Rietveld profile fitting of magnetic minerals, Fe <sub>3-x</sub> Ti <sub>x</sub> O <sub>4</sub> and Fe <sub>2-x</sub> Ti <sub>x</sub> O <sub>3</sub> solid solution
2004G230	YAMANAKA Takamitsu Osaka Univ.	Pressure dependence of charge transfer and cation ordering of Fe <sub>3-x</sub> Ti <sub>x</sub> O <sub>4</sub> and Fe <sub>2-x</sub> Ti <sub>x</sub> O <sub>3</sub> solid solution
2004G231	OKADA Taku Osaka Univ.	Behavior of alkali elements under lower mantle conditions
2004G232	MANIWA Yutaka Tokyo Metropolitan Univ.	Study of nano-carbon materials
2004G233	ISHIDA Kohtaro Tokyo Univ. of Sci.	Study on M-1 transition in pyrite compounds by X-ray powder diffraction method
2004G234	FUKAMACHI Tomoe Saitama Inst. of Tech.	Study of Bragg-(Bragg) <sup>m</sup> -Laue type diffraction and its application
2004G235	MATSUMURA Takeshi Tohoku Univ.	Orderings and frustrations of multipole moments in rare earth borocarbides
2004G236	NAKAYAMA Atsuko NIMS	Observations of gas-storage capacities of carbon nano-structured materials under pressure
2004G237	NAKANO Satoshi NIMS	X-ray diffraction for pressure-induced structural change of borohydride and alanate
2004G238	Wolfgang Schmitt NIMS	Functionalized Hybrid Organic-Inorganic Materials, Supramolecular Coordination Assemblies
2004G239	Wolfgang Schmitt NIMS	Nanosized Aluminium Polycations
2004G241	OHSHIO Hiroki Univ. of Tsukuba	Charge distributions accompanied by metal-insulator transitions in one-dimensional Pt(II,III) complexes
2004G242	SAWA Hiroshi KEK-PF	Direct observation of electron density map and study of the physical properties in encapsulated fullerene derivations
2004G243	SAWA Hiroshi KEK-PF	Direct observation of electron density map for the quarter-filled molecular conductor
2004G244	MURAKAMI Youichi Tohoku Univ.	Orbital Ordering and the dilute effect in copper fluoride
2004G245	SAWA Hiroshi KEK-PF	Study of electronic state of α'-NaV <sub>2</sub> O <sub>5</sub> by MEM analysis
2004G246	SAGAYAMA Hajime KEK-PF	X-ray diffraction study for Metal-Insulator transition of Filled Skutterudite PrFe <sub>4</sub> P <sub>12</sub> and PrRu <sub>4</sub> P <sub>12</sub>
2004G247	KYUTT Reginald Ioffe Physico-Tech. Inst., Russia	Structural and thermal expansion studies of novel epitaxial heterostructures with manganese fluoride layers on silicon
2004G248	TANAKA Kiyooki Nagoya Inst. of Tech.	Investigation on spin-orbit interaction of Fe <sup>3+</sup> ions in YIG by accurate electron density analysis
2004G249	KONDO Tadashi Tohoku Univ.	Melting relation of the mantle minerals under high pressures and temperatures



Proposal Number	Spokesperson	Title
2004G250	HIRAO Naohisa Tohoku Univ.	High-pressure experiments on iron-light element systems at megabar pressures
2004G251	KUSABA Keiji Tohoku Univ.	Determination of Debye temperature for gold under high-pressure condition
2004G252	NAKAMAOTO(KOBAYAS HI) Yuki Osaka Univ.	Search for new high-pressure phases and Rietveld profile fitting of calcium and vanadium
2004G253	NAKAMURA Takahiro Tohoku Univ.	Local structure of visible reactive photocatalysis partially sulfurized titanium oxide thin film by glancing incidence x-ray diffraction
2004G254	MIZUNO Kaoru Shimane Univ.	Investigation of lattice defects in semiconductor film by grazing incident X-ray topography
2004G255	MIZUNO Kaoru Shimane Univ.	Investigation of titanium-hydride by means of refraction contrast imaging
2004G256	YASHIIMA Masatomo Tokyo Inst. of Tech.	Crystal structure and phase transition of the bioceramics TCPs
2004G257	YAMAGUCHI Hiroataka AIST	X-ray topographic study of SiC crystals and epitaxial films
2004G258	TAKAHASHI Hiroyuki Univ. of Tokyo	Development of a high-energy-resolution Transition Edge Sensor
2004G259	AOKI Sadao Univ. of Tsukuba	Development and Application of High Resolution Wolter Mirror
2004G260	UEJI Yoshinori Univ. of Tokyo	Study of Functional Materials by Using a Universal X-ray ellipsometer
2004G261	UEJI Yoshinori Univ. of Tokyo	Development and Application of X-ray Depolarizer
2004G263	KONNO Kazuya Miyagi Natl. Col. of Tech.	XAFS Analysis on the Local Structure Around Zn and Y in Mg-Zn-Y alloys
2004G264	TABUCHI Masao Nagoya Univ.	Investigation of local structures around Er doped in Low-temperature MBE-grown AlGaAs by fluorescence EXAFS
2004G265	UEHARA Hiroki Gunma Univ.	Reorganization Mechanism during Heating for Polyethylene Reactor Powder
2004G266	CHIBA Ayano Kyoto Univ.	In-situ Observation of Formation of Metal Nanoparticles and Nanocomposites
2004G268	AMEMIYA Yoshiyuki Univ. of Tokyo	Observation of deformation behavior in drawn polymer by microbeam simultaneous small-and wide-angle X-ray scattering
2004G269	MATSUURA Makoto Miyagi Natl. Col. of Tech.	Effects of additives on the glass formation of Mg-Cu-Y based bulk metallic glass
2004G270	TSUJITA Yoshiharu Nagoya Inst. of Tech.	Study on 'Phase Transition in Crystalline Polymers by SAXS/WAXS/SALS Simultaneous Measurement Technique
2004G271	NASU Toshio Yamagata Univ.	EXAFS study on local structure changes of Ni-Mg alloys during mechanical alloying process
2004G272	OHSATO Hitoshi Nagoya Inst. of Tech.	Local structure analysis of dielectric ceramics by XAFS
2004G273	OFUCHI Hironori Nagoya Univ.	Fluorescence XAFS analysis of local structure around Er ions implanted in (Al,Ga)N
2004G274	MATSUBA Go Kyoto Univ.	Crystallization of poly(lactic acid) by time-resolved SAXS measurements
2004G275	KANAYA Toshiji Kyoto Univ.	Crystallization of polyethylene under shear flow: Dependence of shear rate and shear strain
2004G277	UENO Satoru Hiroshima Univ	Particle size effect for crystallization of oil droplet in oil-in-water emulsion using microbeam X-ray diffraction
2004G278	IZUMI Yasuo Tokyo Inst. of Tech	Structure Analysis of the Coordinatively Unsaturated Site Controlled on Nano Scale between Inorganic Layers for Arsenic Sorption
2004G279	SUZUKI Tatsuya Tokyo Inst. of Tech.	XAFS analysis of the adsorbed species of uranium and rare earth elements on pyridine resin in alcoholic acid solutions
2004G280	TOMISHIGE Keiichi Univ. of Tsukuba	Structural change and regeneration effect in the gasification of biomass over novel metal
2004G281	TAKENAKA Sakae Tokyo Inst. of Tech.	Characterization of metal catalysts for the deposition of carbons from hydrocarbons
2004G282	OHKUBO Takahiro Tokyo Univ. of Sci.	Analysis of Hydration Structure for Metal Ions in Confined Nanodroplet
2004G283	YOKOYAMA Toshihiko IMS	XAFS studies on photomagnetic CuMo cyanides

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2004G284	NAKATA Shinichi Akita Univ.	XAFS analysis of the structure of Nb containing mesoporous oxides prepared from layered compounds
2004G285	ASAKURA Kiyotaka Hokkaido Univ.	Synthesis and Structure Analysis of the Well-defined Surface Organometallic Compounds on Modified TiO <sub>2</sub> (110) Single Crystal Surface by Organic
2004G286	UCHIMOTO Yoshiharu Tokyo Inst. of Tech	in situ XAFS Study of 3d Transition Metal Organic Mactocycle Electrodes for DMFCs
2004G287	UCHIMOTO Yoshiharu Tokyo Inst. of Tech	in situ XAFS Study of Pt Alloy Electrodes for PEFCs
2004G288	UCHIMOTO Yoshiharu Tokyo Inst. of Tech	XANES Study of 3d-transiiton Metal Polyanion Compounds
2004G289	YAMAMOTO Hiroyuki JAERI	Investigation of the film formation and initial oxidation process on the silicide semiconductors by using non-destructive depth profile analysis with high-energy X-ray photoelectron spectrometry
2004G290	HARADA Masafumi Nara Woman's Univ.	EXAFS Analysis of Coordination Structure of Glycoconjugated Bioactive Complex
2004G291	HIROSE Fumihiko Yamagata Univ.	Chemical analysis on the natural oxide of SiGe by using SR-XPS
2004G293	ICHIKAWA Masaru Hokkaido Univ.	XAFS characterization of zeolite supported bimetallic molybdenum catalysts for methane dehydroaromatization
2004G294	NISHIKAWA Keiko Chiba Univ.	XAFS study on ionic liquids - melting and freezing processes of prototype crystals and structure of aqueous solutions -
2004G295	YAMASHITA Hiromi Osaka Univ.	XAFS studies on the local structure of (Cr,Ti)containing mesoporous silica photocatalyst for polymer synthesis
2004G296	NAKAI Ikuo Tottori Univ.	The electronic states and local structure of Gd-Cu nanometals
2004G297	KUTSUMIZU Shoichi Gifu Univ.	Structure of Ionic Aggregates in Binary Ionomer Blends
2004G298	MIYANAGA Takafumi Hirosaki Univ.	XAFS Study on the Mechanism of the Photo Luminescence Process in Ag-Zeolites
2004G299	NARITA Hirokazu AIST	Structural analysis of precious metal ions in solution containing tin by XAFS
2004G300	OKAMOTO Masaki Tokyo Inst. of Tech.	XAFS studies of silica-supported noble metal catalyst modified by poly(ethylene glycol)
2004G301	NAGAOKA Shinichi Ehime Univ.	Site-Specific Ion Desorption Caused by Core-Level Excitation
2004G302	MATSUO Motoyuki Univ. of Tokyo	XAFS study of heavy metals and sulfides in the brackish water area sediment
2004G303	MATSUURA Haruaki Tokyo Inst. of Tech	EXAFS analysis on molten heavy rare earth-alkali fluoride mixtures
2004G304	BANDO Kyouko AIST	In-situ XAFS observation of supported metal catalysts under propylene selective oxidation reaction conditions
2004G305	ENDO Osamu Tokyo Univ. of Agri. &	XAFS study on monolayer of conjugated alkadiyne on Au(111)
2004G306	TANAKA Isao Kyoto Univ.	Local structure analysis of Al dopant in transparent conductive oxide materials
2004G307	MORITA Takeshi Chiba Univ.	Void formation and onset of local necking during high-temperature tensile deformation
2004G308	KUDO Akihiko Tokyo Univ. of Sci.	XAFS analysis of Rh-doped SrTiO <sub>3</sub> and TiO <sub>2</sub> used for overall water splitting under visible light irradiation
2004G309	SAKURAI Masaki Tohoku Univ.	Study of defect and interface in ZnO by capacitance XAFS method
2004G310	TANAKA Tsunehiro Kyoto Univ.	XAFS study of hydration of vanadate monomers fixed on silica surface and in silica matrix
2004G311	SHIOYA Masatoshi Tokyo Inst. of Tech.	Analysis of Fracture Mechanism for Polymeric Fibers and Film Using Time-Resolved Small-Angle X-ray Scattering
2004G312	SAKURAI Kenji NIMS	Chemical effects in the Kβ <sub>2</sub> /Kβ <sub>1</sub> X-ray fluorescence intensity ratio of light Lanthanides(La-Eu)
2004G313	YAITA Tsuyoshi JAERI	Characterization of soft donor ligand-actinide complexes
2004G314	WADA Shinichi Hiroshima Univ.	Polarization dependence of site-selective ion desorption in core-excited organic thin films
2004G316	DOUMEN Kazunari Univ. of Tokyo	XAFS characterization of Cr <sub>2</sub> O <sub>3</sub> -NiO/Ge <sub>3</sub> O <sub>4</sub> and Cr <sub>2</sub> O <sub>3</sub> -Co <sub>3</sub> O <sub>4</sub> /Ge <sub>3</sub> O <sub>4</sub> photocatalysts for water splitting

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2004G317	DOUMEN Kazunari Univ. of Tokyo	XAFS characterization of ZnO-GaN photocatalyst for water splitting under visible light irradiation
2004G318	KONDOH Hiroshi Univ. of Tokyo	Structural Dynamics of Organic Thin Films Studied by Photoelectron-Yield Soft X-Ray Standing Wave Technique
2004G319	OHTA Toshiaki Univ. of Tokyo	Structural and magnetic study of Ni films on Cu <sub>x</sub> Au <sub>1-x</sub> /Cu(001) by using total reflection EXAFS and XMCD
2004G320	OHTA Toshiaki Univ. of Tokyo	The development of sub-millisecond NEXAFS/XPS and the study of reaction intermediates on surfaces
2004G321	KAGI Hiroyuki Univ. of Tokyo	Valence state of trace Yb in natural and synthetic minerals and its application to geothermometer
2004G322	OUCHI Yukio Nagoya Univ.	Studies on the Surface Structure of Ionic by NEXAFS Spectroscopy
2004G323	BANDO Kyoko AIST	Development of a new in-situ analysis technique - Simultaneous measurement of XAFS and IR -
2004G324	MATSUI Takashi AIST	Ex-situ EXAFS study of the effect of the support for sulfur tolerance of bimetallic Pd-Pt catalysts
2004G325	AMEMIYA Kenta Univ. of Tokyo	Study of surface magnetic anisotropy of cobalt thin film from the viewpoint of surface gaseous adsorption
2004G326	AMEMIYA Kenta Univ. of Tokyo	Structural determination of magnetic cobalt thin film by using photoelectron diffraction
2004G327	YAMAGUCHI Hirotaka AIST	Study on magnetic impurity site in diluted-magnetic semiconductors by XAFS
2004G328	YAMAGUCHI Hirotaka AIST	Study on magnetic impurity site in diluted-magnetic semiconductors by X-ray diffraction
2004G329	KURODA Yasushige Okayama Univ	Characterization of structure and electronic states of Au nano clusters deposited on oxidic supports being active in various industrial reactions
2004G330	KOBAYASHI Hironori AIST	Analysis on degradation mechanism of cathode material for lithium secondary battery with high power-type
2004G331	ISHIYAMA Shintaro JAERI	Formation of SiO <sub>2</sub> thin film and its multi-layer coating on metal surfaces
2004G332	NAKAI Izumi Tokyo Univ. of Sci.	Study on arsenic and lead accumulated in hyper-accumulator plants by XAFS and XRF imaging techniques
2004G333	ICHIKUNI Nobuyuki Chiba Univ	Study on the preparation of supported metal catalysts from colloid solution and the observation of removal process of stabilizer
2004G334	TAKAHASHI Yoshio Hiroshima Univ.	Determination of Eu <sup>II</sup> /Eu <sup>III</sup> ratios in rocks by fluorescent XANES
2004G335	SAKURAI Masaki Tohoku Univ.	Short-range structure analysis for Zr-Cu and Zr-Ni based bulk metallic glass
2004G336	NARAMOTO Hiroshi JAERI	X-ray absorption spectroscopy of mixture films between metallic element and C <sub>60</sub>
2004G337	IIDA Atsuo KEK-PF	Analysis of the dynamic local molecular ordering and layer structure of the (anti-)ferroelectric liquid crystals
2004G338	TAKESHITA Hiroki Nagaoka Univ. of Tech.	Study on crystallization behavior of polymers by thermal fractionation
2004G339	MATSUOKA Masaya Osaka Pref. Univ.	XAFS Studies on the Local Structures of Highly Dispersed Mo Oxide Photocatalysts for the NO <sub>x</sub> Reduction
2004G340	SEKIGUCHI Tetsuhiro JAERI	Polarization Dependence of Ion-Yield-NEXAFS of Surface-Modified Graphite
2004G341	NAKAW Taiji Tokai Univ.	Structural analysis of bacterial transporter protein
2004G342	LIAW Shwu-Huey Natl. Yang Ming	Structural determination of the SARS coronavirus proteins
2004G343	YUAN S. Hannna Academia Sinica, Taiwan	DNA binding and cleavage by site-specific and nonspecific HNH family endonucleases
2004G344	STRELTSOV Victor CSIRO, Australia	Crystal structures of shark Immunoglobulin New Antigen Receptors(IgNARs)
2004G345	PARK Sam-Yong Yokohama City Univ.	Crystal structure of heme binding protein
2004G346	INAGAKI Fuyuhiko Hokkaido Univ.	Structure determination of Atg proteins essential for autophagy
2004G347	SENGOKU Toru RIKEN	Structural analysis of RNA and DNA deaminases

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2004G348	MORIMOTO Yukio Kyoto Univ.	Crystal structure analysis of L-lactate oxidase
2004G349	SATOH Atsuko Kyoto Univ.	Study on the Function of Amine Dehydrogenases Based on the Structure
2004G350	ITO Kiyoshi Nagasaki Univ.	Crystal structure of the 3-D-hydroxybutyrate dehydrogenase
2004G351	NAKAJIMA Yoshitaka Nagasaki Univ.	Substrate recognition of Dipeptidyl Peptidase IV from <i>Xanthomonas maltophilia</i>
2004G352	YOSHIMOTO Tadashi Nagasaki Univ.	Three-dimensional structure of <i>P. gingivalis</i> prolyl tripeptidyl peptidase
2004G353	HORIKOSHI Masami Univ. of Tokyo	Crystal structure analysis of archaeal TATA box-binding protein(TBP)
2004G354	SENDA Toshiya AIST	Crystal structure analysis of $\alpha$ -synuclein
2004G355	HARADA Kazuaki AIST	Protein engineering of glycosylhydrolase and glycosyltransferase
2004G356	SHIRAKIHARA Yasuo Natl. Inst. of Genetics	Structure of ATP synthase
2004G357	UCHIDA Akira Toho Univ.	X-ray structure analysis water-soluble chlorophyll proteins from Brussels sprouts
2004G358	MIYAHARA Ikuko Osaka City Univ.	X-ray crystallographic study of thermostable aminotransferase
2004G359	HATA Yasuo Kyoto Univ	X-ray Crystallographic Analyses of Multi-functions Expressed by Carboxypeptidase Inhibitor
2004G360	ITO Souhei Univ. of Shizuoka	X-ray crystallographic analysis of ADP-dependent kinases from hyperthermophilic archaeon and eukaryote
2004G361	WAKATSUKI Soichi KEK-PF	Crystallographic analysis of Tom1 on ubiquitinated-protein transport
2004G362	WAKATSUKI Soichi KEK-PF	Structure determination of engineered immunogens for development of potential anti-HIV vaccines
2004G363	WAKATSUKI Soichi KEK-PF	Structure determination of a novel ubiquitin-interacting domain from the mammalian ESCRT-II protein complex
2004G364	WAKATSUKI Soichi KEK-PF	Crystallographic analysis of CERT, a protein involved in ceramide transport in a non-vesicular manner
2004G365	WAKATSUKI Soichi KEK-PF	Crystallographic analysis of the arfophilin in complex with Rab11 and Arf5
2004G366	YANAGISAWA Tatsuo RIKEN	Crystallographic analysis of aminoacyl-tRNA synthetase-like protein PylS
2004G367	ODAKA Masafumi Tokyo Univ. of Agri. &	X-ray crystallographic study of thiocyanate hydrolase hole-enzyme and its activator protein
2004G368	NARIMATSU Hisashi AIST	Crystallographic analysis of glucosyltransferase, pp-GalNAcT-10
2004G369	SAKAMOTO Yasumitsu Showa Univ.	Crystal structure of human cyclic nucleotide phosphodiesterase
2004G370	BESSHO Yoshitaka RIKEN	Analysis of crystal structure for <i>Thermus</i> tmRNA-SmpB complex
2004G371	VASSYLYEV Dmitry RIKEN	Structural studies of prokaryotic transcription
2004G372	IDA Koh Kitasato Univ.	X-ray crystallographic analysis of flavin enzyme
2004G373	ARII Yasuhiro Aoyama Gakuin Univ.	Identification of ATP binding site on zymogen granule associated protein
2004G374	TANAKA Nobutada Showa Univ.	Crystal structure analyses of an interferon-induced antiviral ribonuclease
2004G375	MATSUI Ikuo AIST	Structure analysis of DNA polymerase D from hyperthermophile <i>P. horikoshii</i>
2004G376	YOHDA Masafumi Tokyo Univ. of Agri. &	X-ray crystallographic study of substrate recognition mechanism of prefoldin
2004G377	LEE Kon Ho GYEONGSANG Natl. Univ.,Korea	Crystal structures of MHC class II peptide complex associated with type 1 diabetes
2004G378	KUBOTA Kenji Gunma Univ.	Packing structure of detergent molecules in the mixed mixed micelle with phospholipids



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2004G379	WATANABEA Norio Univ. of Tsukuba	High Resolution 3D Tomography by using an X-ray Microscope with a Zone Plate
2004G380	TAKENAKA Mikihiro Kyoto Univ.	Study on volume phase transition induced by helix/random coil transition in gels
2004G381	HATTA Ichiro Fukui Univ. of Tech.	Study on effects of percutaneous absorption enhancers and percutaneous absorption mechanism
2004G383	SHIMIZU Shigeru Nihon Univ.	Effects of various kinds of counter-ions on local conformations of poly(L-glutamic acid)
2004G384	KUWAJIMA Kunihiro Univ. of Tokyo	The Study of allosteric transition of GroEL by using single-ring mutant SR1
2004G385	YOHDA Masafumi Tokyo Univ. of Agri. &	Dynamical structural analysis of group II chaperonin and prefoldin by small angle X-ray scattering
2004G386	ZHOU Jun-Mei Kansai Medical Univ.	Monomer-dimer equilibrium of E. coli trigger factor and its relationship with molecular chaperone function
2004G387	AMEMIYA Yoshiyuki Univ. of Tokyo	Micro-beam Small-angle X-ray Scattering from Keratin fibers
2004G389	TANG Jintian China-Japan Friendship Hospital, China	Diffraction Enhanced Imaging of Carcinoma
2004G390	KAMIMURA Shinji Univ. of Tokyo	Analysis of 3D structure and dynamic activity of eukaryotic flagellar axonemes
2004G391	ITO Atsushi Tokai Univ.	Element analysis in biological specimens at the K and L absorption edges of Ca, P and S
2004G392	IZUMI Yoshinobu Yamagata Univ.	Tertiary Structure of Calmodulin Predicted by Bioinformatics-Experimental Verification by SAXS-II
2004G393	YAMAMURA Takeshi Tokyo Univ. of Sci.	XAFS studies on the peptide models for the [NiFe] binuclear center of hydrogenases
2004G394	KOBAYASHI Katsumi KEK-PF	Survey of practical sensitizers containing heavy elements for radiotherapy of cancer
2004G395	KOBAYASHI Katsumi KEK-PF	Research on cell killing effect of synchrotron X-ray microbeam
2004P001	MIZUNO Akitoshi Gakushuin Univ.	Local structure analysis of liquid Ba-Ge alloy
2004P003	HAGA Nobuhiko Himeji Inst. of Tech.	Chemical state analysis of uranium in <i>Brassica juncea</i>
2004P005	KAMADA Masao Saga Univ.	Research on local structural property in porous TiC by using EXAFS
2004P006	MATSUURA Haruaki Tokyo Inst. of Tech.	XANES analysis of matrix powder materials used for XAFS
2004P007	KERSTEN Michael Gutenberg Univ.,	Analysis of Cr (V1) reduction at solid-water interfaces by X-ray absorption imaging
2004P008	OSAKA Keiichi Hokkaido Univ.	Study on the Temperature Dependence of X-ray Diffuse Scattering from Deep Ice Core Retrieved at Dome Fuji, Antarctica
2004P009	CHIBA Masami Tokyo Metropolitan Univ.	Measurement of free-electron lifetime in rock salt by X ray irradiation
2004P010	PETRYKIN Valery Tohoku Univ.	Evolution of crystal and electronic structures in (Ag, In) <sub>x</sub> Zn <sub>2-2x</sub> S <sub>2</sub> solid solutions
2004P011	TSURU Takeshi Kyoto Univ.	Development of X-ray Polarimeter with a Micro Pixel Chamber
2004P012	OGURA Masaru Univ. of Tokyo	Clarification on initial stage of nucleation for microporous crystals at a molecular level
2004P013	SUEMATSU Hisayuki Nagaoka Univ. of Tech.	Elucidation of the Inclusions-Induced Hardening Mechanism in High Durability Cr-Al-N-O Thin Films Prepared by Pulsed Laser Deposition
2004P014	SEIDA Yoshimi IRI	Analysis of uranyl compounds in underground

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2004C001	IISAWA Masaaki Toshiba IPSS	Experimental study of a compact damped-cavity using simple HOM couplers.
2004C002	IIDA Atsuo Canon Inc.	Study on microanalysis using SR X-ray microbeam
2004C003	NOMURA Masaharu Sumitomo Chemical Co.,	Precise structural and chemical analysis of various catalysts using XAFS
2004C004	NOMURA Masaharu Nippon Oil Corp.	Study on energy-conserving type lubricants by fluorescent XAFS
2004C005	NOMURA Masaharu Nippon Oil Corp.	XAFS studies of catalysts for base oil production of lubricant and energy-conserving type lubricants
2004C006	NOMURA Masaharu Mitsubishi Chemical Co.	XAFS analysis of cathode materials for LI-ion batteries
2004C007	NOMURA Masaharu Toyota Central R&D Labs,	Time-resolved XAFS analysis of automobile catalysts
2004C008	WAKATSUKI Soichi JT	X-ray crystal structure analysis of complexes between drug target proteins and small ligands
2004C009	MATSUSHITA Tadashi Nippon Steel Corp.	Dynamical explication of material processing with SR
2004C010	NOMURA Masaharu Mitsui Chemical Analysis & Consulting Service Inc.	XAFS analysis of small quantity metals in thin films and catalysts
2004C011	KISHIMOTO Shunji Ohyo Koken Kogyo Co.,	Development of high-counting rate scintillation counters for high energy X-rays
2004C012	WAKATSUKI Soichi Nikkyo Technos Co., Ltd	Advancement of protein crystallization system
2004C013	NOMURA Masaharu Fuji Photo Film Co., Ltd.	Structural and chemical state analysis of small quantity additives in inorganic materials
2004C014	YAGISHITA Akira Nikon Corp.	SR characterization of X-ray multilayer mirrors
2004C015	NOMURA Masaharu Toray Research Center,	Development of chemical characterization of contamination on wafer surface
2004C016	HIRANO Keiichi Hitachi, Ltd.	Study on X-ray imaging
2004C017	KOBAYASHI Katsumi JFE Steel Corp.	Technological establishment of nano-level analysis of materials with SR
2004C018	WAKATSUKI Soichi NEC Soft Ltd.	Protein structure-function research using SR
2004C019	WAKATSUKI Soichi Yamanouchi Pharmaceutical Co., Ltd.	Structural analysis of target proteins for drug design
2004C020	IIDA Atsuo Fujitsu Laboratories Ltd.	Study on structure analysis of thin film surface and interface
2004C021	WAKATSUKI Soich Sankyo Co., Ltd.	Purification, crystallization and X-ray structure analysis of complexes between proteins and small ligands for drug design
2004C022	MATSUSHITA Tadashi FAIS	Structural biology using SR X-rays
2004C023	IIDA Atsuo Sumitomo Chemical Co.,	X-ray small angle scattering study on dynamical structure change of synthesized polymers
2004C024	MATSUSHITA Tadashi ERATO, JST	Construction and use of SR beamline for sub-nanosecond time-resolved X-ray diffraction experiments
2004C025	KITAJIMA Yoshinori Sony Co.	Soft X-ray XAFS study on coordination structure of organometallic compounds in solution
2004Y001	HASEBE Nobuyuki Hitachi, Ltd.	8A: soft X-ray spectroscopy and microprobe 8B: EXAFS experiments, total reflection measurements 8C: interference experiments, reflectivity measurements, XD
2004Y002	SUZUKI Yasuyuki Idemitsu Kosan Co., Ltd.	Development of highly dispersed Ni-supported hydrodesulfurization catalysts
2004Y003	MURANO Kazuo Fujitsu Laboratories Ltd.	Material characterization by SR at BL-17A, 17B and 17C

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

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