

Proposal Number	Spokesperson	Title
2010S2-001	AMEMIYA Kenta KEK-PF	Exploration of spintronics materials by soft X-ray polarization switchig
2010S2-003	NAGASHIMA Yasuyuki Tokyo Univ. of Sci.	Laser spectroscopy of positronium negative ions and its applications
2010G001	TONOZUKA Takashi Tokyo Univ. of Agri. & Tech.	Studies on uncharacterized proteins for cellulose degradation from basidiomycete
2010G002	AKIMOTO Koichi Nagoya Univ.	Structural changes of soft metal films by tribological performance
2010G003	HORIGANE Kazumasa Tohoku Univ.	Relationship between structure and superconductivity in Fe-based superconductors
2010G004	KUZUYAMA Tomohisa The Univ. of Tokyo	Structural biology for understanding terpene diversification mechanism
2010G005	HIBI Takao Fukui Prefectural Univ.	X-ray crystallography of $\gamma$ -glutamyltranspeptidase from <i>P. nitroreducens</i>
2010G006	MATSUBA Go Kyoto Univ.	The effect of blending on structural formation process under shear flow
2010G007	MATSUBA Go Kyoto Univ.	The effect of nucleation acceleration on phase separation on polymers
2010G008	ABE Hiroshi NDA	Reinvestigation of Phase Diagrams in Cu-Ni and Ni-Co alloys
2010G009	OSHIO Hiroki Univ. of Tsukuba	Photo-induced phase transition in multinuclear metal complexes
2010G010	MORI Kohsuke Osaka Univ.	XAFS study for multi-functional catalysts
2010G011	SUGANO Yasushi Tokyo Inst. of Tech.	Characterization of the catalytic mechanism of a novel bifunctional enzyme DyP
2010G012	MATSUSHITA Tadashi KEK-PF	Time-resolved measurement of crystal truncation rod scattering
2010G013	HIROKAWA Nobutaka The Univ. of Tokyo	Molecular Mechanism of Intracellular Transport by Kinesin Superfamily Proteins
2010G014	NOJIMA Shuichi Tokyo Inst. of Tech.	Interactive Crystallization Behavior of Double Crystalline Diblock Copolymers
2010G015	KURIBAYASHI Takahiro Tohoku Univ.	Estimation of hydrogen position in the crystal structure of phase E using MEM
2010G016	HIRAI Masaaki Okayama Univ.	Electronic states of doped picene by photoemission spectroscopy
2010G017	SHIBATA Naoki Univ. of Hyogo	High-resolution structure analysis of synthetic compound degrading enzymes
2010G018	KINOSHITA Takayosi Osaka Prefecture Univ.	Structure insight into activation mechanisms of dual specific kinase MAP2K
2010G019	CHANG Wenrui CAS, China	Crystallographic Studies on Photosynthesis Related Proteins in the Higher Plants
2010G020	TADA Mizuki IMS	XAFS Study of Molecular Imprinted Ru Catalyst for Regio-selective Epoxidation
2010G021	TADA Mizuki IMS	XAFS Study on Supported Ir Dimer Catalysts and Reaction Mechanism
2010G022	UO Motohiro Hokkaido Univ.	Micro XAFS analysis of heavy element in tooth and dental implant surface
2010G023	TANAKA Nobutada Showa Univ.	Crystal structure analysis of a lipid mediator synthetic enzyme
2010G024	MASUBUCHI Yuji Hokkaido Univ.	Local structures of transition metal doped ZnO
2010G025	WAKABAYASHI Yusuke Osaka Univ.	Interfacial structure of organic transistors
2010G026	NEGISHI Riichirou Saitama Inst. of Tech.	Application studies of phase-controlled dynamical diffraction
2010G027	MAENAKA Katsumi Kyushu Univ.	Structural basis for the entry mechanism of herpes simplex virus type 1
2010G028	YAMAMOTO Katsuhiro Nagoya Inst. of Tech.	GISAXS study on structural ordering process of polymer thin film with solvents
2010G029	PARK Sam-Yong Yokohama City Univ.	Structure base drug development by influenza RNA polymerase
2010G030	NUMATA Tomoyuki AIST	Crystal structure analysis of RNA modification enzyme
2010G031	TAKESHITA Hiroki Nagaoka Univ. of Tech.	Structure Formation of Liquid Crystalline-Liquid Crystalline Block Copolymers
2010G032	HAMAYA Nozomu Ochanomizu Univ.	Liquid-liquid phase transition and second critical point in SnI4 under pressure

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2010G033	FUJIMOTO Zui Natl. Inst. of Agrobiol. Sci.	Crystallographic study of anti-virus protein from silkworm
2010G034	SUGIYAMA Kazumasa Tohoku Univ.	Structure of Pd-based metallic catalysis produced by the acid reaching
2010G035	INADA Yasuhiro Ritsumeikan	XAFS analysis of Au nanoparticles-embedded TiO <sub>2</sub> film
2010G036	KIGUCHI Manabu Tokyo Inst. of Tech.	XAFS investigation on the edge state of nano graphene
2010G037	TAGUCHI Hayao Tokyo Univ. of Sci.	Systematic structural analysis of bacterial 2-hydroxyacid dehydrogenase
2010G038	OKUBO Masashi Chuo Univ.	A soft x-ray absorption spectroscopy of Prussian blue analogue electrodes
2010G039	KAWANO Masaki Pohang Univ., Korea	Instant synthesis of networks and in situ observation of chemical reactions
2010G040	MAEDA Munetoshi CRIEPI	Relationship between bystander effects and intracellular energy-deposition sites
2010G041	WU xiang Peking Univ., China	Study of high-pressure phase relationship in the MnTiO <sub>3</sub> -FeTiO <sub>3</sub> system
2010G042	CHA Sun-Shin KORDI, Korea	Structure determination of the membrane-anchored Lon protease
2010G043	NOGUCHI Takaaki Ibaraki Univ.	Determining oxidizing conditions of hydrated carbonaceous chondrites by XANES
2010G044	OZAWA Kenichi Tokyo Inst. of Tech.	A strong accumulation layer on oxide surfaces by adsorption of organic molecules
2010G045	HIGUCHI Tohru Tokyo Univ. of Sci.	Electronic Structure of Vanadium Oxide by Soft-X-Ray Raman Scattering
2010G046	TSUJI Kazuhiko Keio Univ.	Structural change of liquid metals on pressure-induced liquid-liquid transitions
2010G047	OKAMOTO Yoshihiro JAEA	Development and application of position sensitive XAFS by using X-ray imaging
2010G048	OKAMOTO Yoshihiro JAEA	Chemical analysis of noble metals in the borosilicate glass by imaging XAFS
2010G049	MATSUSHIMA Norio Sapporo Medical Univ.	SAXS Studies of Intrinsically Disordered Proteins Interacting with Calmodulin
2010G051	UOSAKI Kohei Hokkaido Univ.	In situ Structural Studies on Electrode/Electrolyte Interfaces for ORR by SXS
2010G053	ONO Shigeaki JAMSTEC	Determination of densities of silicate minerals at high pressures
2010G054	TOKORO Chiharu Waseda Univ.	As sorption and chemical change by marine-micro-algae and shellfish using XAFS
2010G055	TAKEDA Tohoru Kitasato Univ.	Basic small animal study by fluorescent X-ray CT
2010G056	HIRAI Mitsuhiro Gunma Univ.	Protein folding study under crowded-co-solute solution and confined space
2010G057	KAWABATA Youhei Tokyo Metropolitan Univ.	Formation process of surfactant gel network structures
2010G058	TANOKURA Masaru The Univ. of Tokyo	X-ray crystallography of DnaB-DnaC complex required for prokaryotic replication
2010G059	NORO Atsushi Nagoya Univ.	Thermoreversible Morphology Transition of Supramacromolecules in an Ionic Liquid
2010G060	NAGAI Takaya Hokkaido Univ.	Phase relations in (Ca,Mn,Mg)SiO <sub>3</sub> perovskites
2010G061	NAGAI Takaya Hokkaido Univ.	Incorporation of monovalent cations into perovskite at high P and high T
2010G062	EOM Soo-Hyun GIST, Korea	X-ray Crystallographic Studies on Bacterial Cytokinesis System
2010G063	INADA Yasuhiro Ritsumeikan	XAFS analysis of Pd-embedded tin oxide prepared by hydrothermal synthesis
2010G064	ICHIKUNI Nobuyuki Chiba Univ.	XAFS study on the preparation process of additives-promoted carbide catalysts
2010G065	ITO Atsushi Tokai Univ.	Resolution improvement of soft X-ray projection CT to observe biological samples
2010G066	YANAGIHARA Hideto Univ. of Tsukuba	Observation of spin accumulation measurement in metal/insulator multilayers
2010G067	HONDA Shinya AIST	Structural basis of artificial proteins generated by segment elongation
2010G068	SHISHIDO Tetsuya Kyoto Univ.	In situ time-resolved XAFS study of supported Chromium oxide in dehydrogenation

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2010G069	TOMISHIGE Keiichi Univ. of Tsukuba	EXAFS analysis for structure of active site for glycerol hydrogenolysis
2010G070	SHIMURA Takayoshi Osaka Univ.	Synchrotron X-ray Diffraction Study of Oxidation Mechanism of SiGe and Ge
2010G071	OHKUBO Tadayasu Osaka Univ.	Crystal Structure Determination of Human Condensin Hinge Domain
2010G072	TAKAHASI Yoshio Hiroshima Univ.	A XAFS study on the speciation of halogen in aerosols
2010G075	OKUDA Hiroshi Kyoto Univ.	Quantitative modelling/analysis of SX-AGISAXS
2010G076	ARISAKA Makoto JAEA	Chemical states of carbon materials before and after metal adsorption
2010G077	KATO Ryuichi KEK-PF	Study of structural basis of sugar recognition mechanism of nematode galectin
2010G078	MURAYAMA Haruno Chuo Univ.	In situ study on structure of metal nanoparticles produced by photo-irradiation
2010G079	TAKAHASHI Toshio The Univ. of Tokyo	X-ray diffraction study of metal-silicide interfaces with an atomic resolution
2010G080	TERAO Ken Osaka Univ.	Helical structure and cholesteric liquid crystal of polysaccharide
2010G081	SUNO Ryoji Kyoto Univ.	X-ray Crystallographic studies on membrane-bound supramolecular complex
2010G082	TANOKURA Masaru The Univ. of Tokyo	Crystal structural analysis of haloalkane dehalogenase
2010G083	ODAGIRI Takeshi Tokyo Inst. of Tech.	Production of excited fragments in photoexcitation
2010G084	ODAGIRI Takeshi Tokyo Inst. of Tech.	The entangle pair of H atoms as probed by the angular correlation of two Lyman- $\alpha$
2010G085	SUZUKI Mamoru Osaka Univ.	Crystal structure analysis of Necl
2010G086	YAMASAKI Yuichi KEK-PF	Observation of toroidal moment by resonant x-ray scattering
2010G087	SAKAMAKI Masako KEK-PF	in-situ depth-resolved study of overlayer effects on Co thin films
2010G088	TSUNODA Masaru Iwaki Meisei Univ.	Structure analyses of actinohivin with glucan for development of HIV preventer
2010G089	KURODA Yasushige Okayama Univ.	Pursuit of formation process of silver clusters in AgMFI
2010G090	FUJII Shuji Nagaoka Univ. of Tech.	Phase Transition Dynamics with Polymer Transport of Complex Bilayer Systems
2010G091	KATAOKA Mikio NAIST	Structural comparison and prediction of homologous proteins by using WAXS
2010G092	MORIMOTO Tatsuki Tokyo Inst. of Tech.	Photofunctions and structures of rhenium(I) complex-polyacid conjugates
2010G093	NITTA Kumi JAXA	Photoelectron emission measurement of surface materials for spacecraft
2010G094	OOKI Izuru NAIST	Molecular characterization of the human polycomb protein
2010G095	RAN Fanyong The Univ. of Tokyo	Spin- and angle- resolved photoemission studies on Fe <sub>3</sub> O <sub>4</sub> and Co doped ZnO
2010G096	OBATA Yasuko Hoshi Univ.	Development of transdermal formulation based on the structure analysis of lipids
2010G097	OYANAGI Hiroyuki AIST	In-situ X-ray absorption spectroscopy study of nanoclusters using a microreactor
2010G098	NAKAI Ikuo Tottori Univ.	Lattice expansion of nano-crystalline YMn <sub>2</sub>
2010G099	NAKAI Ikuo Tottori Univ.	Local structure of CeO <sub>2</sub> doped with transition metals
2010G100	OKADA Tetsuji Gakushuin Univ.	X-ray analysis on the lipid bilayer dependent activation of GPCR rhodopsin
2010G101	KAKUTA Yoshimitsu Kyushu Univ.	Structural analysis of tyrosine sulfotransferase
2010G102	GUNJI Shuichi Yamagata Univ.	Performance test for hard X-ray polarimeter PHENEX
2010G103	MURAYAMA Kazutaka Tohoku Univ.	Activation mechanism analysis of nuclear receptors by their endogenous ligands
2010G104	SHIBUKAWA Masami Saitama Univ.	Thermal effect on hydration structure of ions in hydrophobic nanospace

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2010G105	KUMAGAI Izumi Tohoku Univ.	Structural analysis of various antibodies targeting cell-surface receptors
2010G106	SATO Yusuke The Univ. of Tokyo	Structural Analysis for the Lys63-Linked Poly-Ub Chain Specific deubiquitinase
2010G107	FUSHINOBU Shinya The Univ. of Tokyo	Crystallography of multi-component oxidoreductases from <i>Sulfolobum tokodaii</i>
2010G108	FUSHINOBU Shinya The Univ. of Tokyo	Crystallography of a feruloyl esterase belonging to a novel family
2010G109	SASAKI Takehiko The Univ. of Tokyo	EXAFS analysis for Ruthenium multi nuclear complex catalysts
2010G110	SAKAMOTO Kazuyuki Chiba Univ.	Peculiar spin split bands originating from the symmetry of the surface
2010G111	ICHIHASHI Yuichi Kobe Univ.	XAFS studies of the local structure of vanadium complex encapsulated in zeolite
2010G113	ODAKA Masafumi Tokyo Univ. of Agri. & Tech.	Molecular mechanism of maturation of Co reaction center of thiocyanate hydrolase
2010G114	UENO Satoru Hiroshima Univ.	The Relationship between Fat Crystallization and Emulsifiers in O/W emulsion
2010G115	UENO Satoru Hiroshima Univ.	Microbeam X-ray Analysis of Fine Structure of Two Dimensional Spherulite of Fats
2010G116	SATA Noriko Tohoku Univ.	A Study on the Electronic Structure of Thin Films of Oxide Proton Conductors
2010G117	SIMURA Rayko Tohoku Univ.	Valence state of Fe and Mn in amphibole and their structural behaviors
2010G118	ZHAO Xinwei Tokyo Univ. of Sci.	Structural analysis of Mn doped magnetic semiconductors using synchrotron XAFS
2010G119	SAKUMA Hiroshi Tokyo Inst. of Tech.	Structural analysis of water and hydrated ions at mineral-water interfaces
2010G120	OKABAYASHI Jun The Univ. of Tokyo	Magnetic structure in functional molecular magnets by XMCD
2010G121	OHTA Atsuyuki AIST	Speciation of heavy metals in soils and stream sediments
2010G122	NAKAJIMA Yoshitaka Nagasaki Univ.	Crystal Structure of FAD-dependent glucose dehydrogenase
2010G123	HARADA Makoto Tokyo Inst. of Tech.	The local structure of Br <sup>-</sup> in a salts-doped water-ice around the eutectic point
2010G124	KUMAGAI Akiko NIID	Structural basis for the binding of norovirus to human histo-blood group antigen
2010G125	MIKI Kunio Kyoto Univ.	Crystallographic analysis of prokaryotic V-type ATPase
2010G126	MIKI Kunio Kyoto Univ.	Crystallographic analysis of [NiFe] hydrogenase maturing proteins
2010G127	ASAKURA Kiyotaka Hokkaido Univ.	Structural studies on Ni phosphide catalysts by Operando XAFS
2010G128	ASAKURA Kiyotaka Hokkaido Univ.	Structure analysis of metal cluster on oxide surfaces by a wet method
2010G133	OKUDA Hiroshi Kyoto Univ.	In-situ SWAXS on nanoQC formation in Zr-Cu-NM systems
2010G134	TAKENO Hiroyuki Gunma Univ.	Time-evolution of helical aggregates using time-resolved X-ray scattering
2010G135	MURAI Kei-ichiro The Univ. of Tokushima	Local Structure Analysis of ZrW <sub>2</sub> O <sub>8</sub> System
2010G136	NISHIHARA Yu Ehime Univ.	High-pressure deformation experiments of olivine
2010G137	KONDO Hidemasa AIST	X-ray crystal structure analysis of antifreeze protein from antarctic diatom
2010G138	KUROKAWA Hirofumi Tohoku Univ.	Crystal Structure of Cytoprotective Nrf2 Transcription Factor Complex
2010G139	ITO Kiyoshi Nagasaki Univ.	Crystallographic analysis of the serine dehydrogenase and the related SDR enzyme
2010G140	OKAMOTO Hiroyuki Kanazawa univ.	Quantitative investigation on density resolution in X-ray DEI
2010G141	YAGI Takehiko The Univ. of Tokyo	Behavior of xenon under very high pressure and temperature
2010G142	OHSUMI Kazumasa SPring-8	Crystallographic Studies on Extraterrestrial materials/4
2010G143	SUZUKI Shinichi JAEA	Structural analysis of reverse micellse of actinides-organic ligands

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2010G144	YASHIMA Masatomo Tokyo Inst. of Tech.	Phase Transition and Electron Density Analysis of Hydroxyapatite Materials
2010G145	AKASAKA Takeshi Univ. of Tsukuba	Positional control of encapsulated atoms in endohedral metallofullerenes
2010G146	HINO Kazuyuki Aichi Univ. of Ed.	in situ QXAFS and UV-Vis study on the formation of gold nanorods
2010G147	ITO Masahisa Gunma Univ.	Measurement of spin and orbital moment of Fe <sub>3</sub> Pt by X-ray magnetic diffraction
2010G148	OHKUBO Takahiro Okayama Univ.	Hydration structure of calcium ion restricted in nano-order solid spaces
2010G149	YOSHIDA Hisao Nagoya Univ.	XAFS study of dopants in perovskite-type metal oxides
2010G150	ABE Koji Univ. of Electro-Commun.	Study of domain formations near phase transition of Quartz by x-ray topography
2010G151	KONDOH Hiroshi Keio Univ.	Development of AP-XPS/NEXAFS and application to surface reaction analysis
2010G152	TOKANAI Fuyuki Yamagata Univ.	Development of gaseous PMT with micropattern gas detector
2010G153	ITOH Nobutoshi Tokyo Medical & Dental Univ.	Structural study of protein kinases and their inhibitors
2010G154	TAKANISHI Yoichi Kyoto Univ.	Analysis of Local Mol. Orientation in Lamella-Nematic Phases using X-ray $\mu$ beam
2010G155	ONO Kanata KEK-PF	Study of magnetic excitations in nanomagnets using x-ray ferromagnetic resonance
2010G156	KOMABA Shinichi Tokyo Univ. of Sci.	Change in Electronic and Local Structures of Li <sub>y</sub> Fe <sub>1-x</sub> Mn <sub>x</sub> SiO <sub>4</sub>
2010G157	SHIMAO Daisuke Ibaraki Prefectural Univ. of	Development of Refraction-Enhanced Laminography for Pathological Diagnosis
2010G158	WATANABE Satoshi Kyoto Univ.	Coordination and Reduction Mechanisms of Pt Ions Encapsulated in Dendrimers
2010G159	KITAJIMA Yoshinori KEK-PF	Soft x-ray absorption and emission spectroscopy on the Prussian blue analogs
2010G160	WAKATSUKI Soichi KEK-PF	Crystallographic study of complex of MKLP1 and ARF6
2010G161	KAWASAKI Masato KEK-PF	Development of novel tags to aid protein crystallization
2010G163	AOKI Yoshitaka Hokkaido Univ.	XAFS structural analysis of proton-conductive amorphous silicate thin film
2010G164	SATA Noriko Tohoku Univ.	XAFS Study of Local Lattice Structure in Perovskite-Type Oxide Thin Films
2010G165	MATSUURA Haruaki CNRS, France	XAFS analyses of terbium fluoride in molten alkali and alkaline earth fluorides
2010G166	YONENAGA Ichiro Tohoku Univ.	In-situ X-ray topography of defect generation during crystallization of Si
2010G167	SIMURA Rayko Tohoku Univ.	Structural study on AgBr based superionic conducting glasses by AXS
2010G168	UMEZAWA Hitoshi AIST	X-ray topographic study of single crystalline diamond wafers and epitaxial films
2010G169	ITO Souhei Univ. of Shizuoka	X-ray crystallography of sugar-chain related enzymes from Streptococcus mutans
2010G170	TAKEYA Satoshi AIST	Development of in-situ imaging technique by diffraction enhanced imaging method
2010G171	MATSUSHIMA Yuta Yamagata Univ.	Dynamic characterization on local structure of dopants in BaTiO <sub>3</sub>
2010G172	TSUCHIYA Tetsuo AIST	Study on local structure of e in high luminescent afterglow materials by XAFS
2010G173	ICHIYANAGI Yuko Yokohama Natl. Univ.	particle size control and Jahn-Teller distortion of magnetic nanocluster
2010G174	SUMI Tomonari Toyohashi Univ. of Tech.	Solvation of a polymer chain near liquid-gas and liquid-liquid phase transitions
2010G175	OHONO Shinya Yokohama Natl. Univ.	Photoemission study of transition metal and oxygen coadsorbed silicon surfaces
2010G176	FUNAMORI Nobumasa The Univ. of Tokyo	High-pressure in-situ density and structure measurements of amorphous Ca(OH) <sub>2</sub>
2010G177	KISHIMOTO Shunji KEK-PF	Development of a high-density electric system for a ns-speed pixilated detector
2010G178	KOBAYASHI Hisao Univ. of Hyogo	FeAs compounds under extreme conditions studied by nuclear resonant scattering

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2010G179	KISHIMOTO Shunji KEK-PF	Development of an x-ray sub-ns timing detector with fast scintillators
2010G180	Nakamura Ryuhei The Univ. of Tokyo	XANES/EXAFS Study of an Inorganic Molecular System for Artificial Photosynthesis
2010G181	SHIOYA Masatoshi Tokyo Inst. of Tech.	Development of a model to predict ultimate strength of carbon nanotube assembly
2010G182	SUZUKI Akio Tohoku Univ.	Viscosity of volatile bearing magma at high pressure
2010G183	KONDO Tadashi Osaka Univ.	High pressure study on the electronic and magnetic state of Fe-bearing minerals
2010G185	MASSA Enrico INRIM, Italy	Elastic properties of single crystals for lattice parameter determination
2010G186	ITOU Hiroshi ROIS	Structural study of transcription level controlling mechanism of RNA polymerase
2010G187	FUJIMORI Atsushi The Univ. of Tokyo	XMCD study of spin and orbital states at the interfaces of oxides
2010G188	OKANO Tatsuo The Univ. of Tokyo	Hydrogen induced diffusion process by using NRXS
2010G189	SODA Kazuo Nagoya Univ.	Spectroscopic study on transition-metal arrangement in bNi AlCoNi quasi-crystal
2010G190	SOKOLOV Nikolai Ioffe Physico-Technical Institute	Structure and magnetic properties of exchanged biased nanoheterostructures
2010G191	SUN Fei CAS, China	Crystallographic studies on Phosphatidylinositol 4 kinase type II $\alpha$ (PI4KII $\alpha$ )
2010G194	MATSUDA Iwao The Univ. of Tokyo	Spin-resolved band structure of the Bi1-xSbx quantum spin-Hall phase
2010G195	BESSADA Catherine CNRS, France	EXAFS measurements on molten ZrF4 in alkali and alkaine-earth fluorides
2010G196	NAKADA Masami JAEA	X-ray Absorption Spectroscopic Studies of Am and U Containing Compounds
2010G197	OHTANI Eiji Tohoku Univ.	Deformation experiments at high pressure monochromatic X-ray
2010G501	MORITOMO Yutaka Univ. of Tsukuba	Time-resolved XAFS spectroscopy of photoinduced electronic phase of cyanides
2010G502	MORITOMO Yutaka Univ. of Tsukuba	XAFS analysis of multi-layer cyanide film
2010G503	HWANG Harold Yoonsung The Univ. of Tokyo	The determination of potential profile in depth for oxide heterojunctions
2010G504	MATSUBARA Hiroki Kyushu Univ.	Wetting transition on water and structure of electrical double layer
2010G506	YOKOYAMA Hideaki The Univ. of Tokyo	Structure Transition of Supramolecular Assemblies in External Field
2010G507	TAKAHASHI Takashi Tohoku Univ.	ARPES study of anomalous electronics states in low-dimensional systems
2010G508	HIRAI Hisako Ehime Univ.	Phase changes of CO <sub>2</sub> hydrate under high pressure and low temperature
2010G509	TOMITA Kozo AIST	Molecular basis for RNA polymerases
2010G510	AKITSU Takahiro Tokyo Univ. of Sci.	Thermal changes of structures and properties of pi-backdonating metal complexes
2010G511	AKITSU Takahiro Tokyo Univ. of Sci.	Anisotropy of functions and thermally structural changes for Cu(II) complexes
2010G512	YOSHIASA Akira Kumamoto Univ.	Local structures of transition metals in tektite, meteorite and related compound
2010G513	HAYASHI Ken-ichiro Univ. of Tsukuba	Quantitative analysis of tungsten in fluid inclusions by SXRF
2010G514	MIYAKE Akira Kyoto Univ.	Phase transitions and the time dependencies of MgSiO <sub>3</sub> enstatite
2010G515	KUMIGASHIRA Hiroshi The Univ. of Tokyo	In-situ angle-resolved photoemission study on SrVO <sub>3</sub> /SrTiO <sub>3</sub> quantum well
2010G516	YAMAWAKI Hiroshi AIST	Structural study of lithium-based complex hydrides under pressure
2010G517	NAKAJIMA Ken-ichiro The Univ. of Tokyo	Structural analysis of the pH-dependent taste-modifying activity of neoculin
2010G518	SONG Hyun Kyu Korea Univ. Korea	Structural studies on E3 ubiquitin ligases involved in N-end rule pathway
2010G519	NAKANO Satoshi NIMS	Rattling behavior in Si-clathrate superconductors under high-pressure

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2010G520	MORI Shigetaru NIID	Crystal structure of nucleotide phosphorylase from <i>Mycobacterium tuberculosis</i>
2010G521	NODA Nobuo Hokkaido Univ.	Structural study of Atg7, an E1-like enzyme essential for autophagy
2010G522	EJIMA Takeo Tohoku Univ.	2-D optical constant distribution of dyed living organisms in EUV region
2010G523	WANG H. -J Andrew Academia Sinica, Taiwan	Structural analysis of new DNA mimic proteins from <i>Neisseria</i> sp
2010G524	SASAKI Satoshi Tokyo Inst. of Tech.	Resonant X-Ray Magnetic Scattering for Frustrated Transition-Metal Oxides
2010G525	NAKAYAMA Atsuko Niigata Univ.	Estimation on H <sub>2</sub> storage capacity for 2D nanospace of carbon $\pi$ -electron system
2010G526	SHINOHARA Yuya The Univ. of Tokyo	Local orientation ordering in liquid crystal colloid dispersions
2010G527	IMAZONO Takashi JAEA	Study of wide-band multilayered gratings for keV X-rays
2010G528	TAKESHITA Hiroki Nagaoka Univ. of Tech.	Structure Formation in Crystalline-Liquid Crystalline Block Copolymers
2010G529	KAWAMOTO Tadashi Tokyo Inst. of Tech.	Structural properties of organic superconductors with unusual structures
2010G530	YOKOYAMA Hideshi Univ. of Shizuoka	Elucidation of metal-storing functions of neutrophil-activating protein
2010G531	KOSHIDA Kichiro Kanazawa Univ.	Study of imaging technique with coherent-scattering using several-detector
2010G532	KANDA Kazuhiro Univ. of Hyogo	Local structure analysis on Fe-Containing thin film formed by FIB-CVD
2010G533	KUTSUMIZU Shoichi Gifu Univ.	Helical superstructure formed by fluorine-containing biphenyl derivatives
2010G534	MIKOCHI Takashi The Univ. of Tokyo	XANES measurement of Fe valence states of maskelynite in Martian meteorites
2010G535	NAKAJIMA Nobuo Hiroshima Univ.	X-ray emission spectroscopy of ferroelectric phase transition under AC field
2010G536	OKUDA Taichi Hiroshima Univ.	Modification and control of surface Rashba spin state by structural anisotropy
2010G537	TOYODA Masahiro Oita Univ.	Observation of structure change in the electrode of LIB through charge/discharge
2010G538	AKIMOTO Koichi Nagoya Univ.	Mesoscopic grain structure of GaN crystal
2010G539	FUKAMACHI Tomoe Saitama Inst. of Tech.	X-ray interference microscopy by using multiple Bragg-Laue interferometer
2010G540	SHINOHARA Yuya The Univ. of Tokyo	Crystallization Behavior of Polyethylene under Shear and Elongation Field
2010G541	NAGATA Tetsuo Tokyo Metropolitan Univ.	Double photoionization in the 3p region of Cr, Mn and Fe atoms
2010G542	ITO Atsushi Tokai Univ.	Elemental and molecular mapping in hair with high spatial resolution
2010G543	WATANABE Nobuhisa Nagoya Univ.	High-pressure protein crystallography and its application to structural study
2010G544	KYOMEN Toru Gunma Univ.	Observation of spin and orbital magnetic form factors in La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub>
2010G545	KANAI Kaname Tokyo Univ. of Sci.	Study on electronic structure of organic biradical molecular solid films
2010G546	ABE Hiroshi NDA	Hierarchy structure in room temperature ionic liquids based mixtures
2010G547	NAKAJIMA Tomohiko AIST	Local structure dependence on luminescent efficiency in V and Ti oxide phosphors
2010G548	SUGANO Yasushi Tokyo Inst. of Tech.	Direct observation of catalytic pathway of new type enzyme DyP
2010G549	SU Xiao-Dong Peking Univ., China	Structure-Function Analyses of Caspase-6
2010G550	OZAWA Kenichi Tokyo Inst. of Tech.	Sulfidation of Cu-Zn alloy surfaces and adsorption of organic molecules
2010G551	YOKOYAMA Toshihiko IMS	Colleration between thermal expansion and anharmonicity in FeNi invar alloy
2010G552	KUSABA Keiji Nagoya Univ.	In-situ observation of ZnS <sub>2</sub> under high pressure and high temperature
2010G553	IHEE Hyotcherl KAIST, Korea	Time-resolved WAXS studies on Homo dimeric Hemoglobin with 100ps time resolution

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2010G554	IHEE Hyotcherl KAIST, Korea	Structural study on the isomerization of stilbene derivatives using TRXD
2010G555	UNNO Hideaki Nagasaki Univ.	Structural analysis of pore-forming CEL-III complex
2010G556	TAKENAKA Sakae Kyushu Univ.	Structural analysis of Pd species in silica-coated Pd catalysts by in situ XAFS
2010G557	YOSHIKAWA Hirofumi Nagoya Univ.	In situ XAFS studies on batteries using molecular cluster - SWNT hybrid material
2010G558	SAKURAI Kenji NIMS	X-ray fluorescence movie imaging of growing chemical patterns
2010G559	HOSOKAWA Shinya Hiroshima Inst. of Tech.	Lattice distortion and structural change in TI-based thermoelectric materials
2010G560	KAGEYAMA Hiroshi Kyoto Univ.	Investigation for a Pressure-Induced Phase Transition in Spin-Ladder Iron Oxide
2010G561	LIU Yingfang CAS, China	Structural study of some human proteins related to diseases
2010G564	SAITO Kazuya Univ. of Tsukuba	Structural study of classical dipolar Ising crystal, TCHM
2010G565	CHAVAS Leonard KEK-PF	STRUCTURE-BASED DRUG DESIGN FOR NEURAMINIDASES FROM HUMAN AND VIRUSES
2010G566	HEO Nam-Ho KNU, Korea	Crystallographic Characterization of Non-Framework Ga and In Species in Zeolites
2010G567	DAIVASIGAMANI Ishnamurthy Osaka Univ.	Local Structure Analysis of MBE grown InGaGdN Superlattices & InN and InGaN QDs
2010G568	HATA Yasuo Kyoto Univ.	Structural Studies on Reaction Mechanism of Resorcinol-catabolic Enzymes
2010G569	PETRYKIN Valery ASCR, The Netherlands	Surface state of nanocrystalline RuO <sub>2</sub> -based electrocatalysts probed by soft XAFS
2010G571	FRIEDLEIN Rainer JAIST	Electronic structure of "silicene" formed on epitaxial diboride thin films
2010G573	COLE M. Jacqueline Univ. of Cambridge, UK	Time-resolved X-ray diffraction of the N3 dye used in dye sensitized solar cells
2010G574	SHIN Dong Hae Ewha Womans Univ., Korea	A structural study of human IgE-dependent histamine-releasing factor
2010G575	Elena Valentinovna Voronina RAS, Russia	Local atomic structure of bio-inorganic compounds modified by mechano-chemistry
2010G576	LOU Zhiyong Tsinghua Univ. CHINA	Structure-based drug discovery targeting at EV71
2010G577	ZHANG Wen Fudan Univ., China	Ribosome Structure and Dynamics During Translation Elongation
2010G578	LEI Mei CAS, China	Impacts of sulfur and intercropping system on As in hyperaccumulators
2010G579	CHEN Chunying IHEP, China	Characterization of metal nanoparticles in vivo using synchrotron techniques
2010G582	KAMITORI Shigehiro Kagawa Univ.	Structures of sugar binding proteins complexed with branched oligosaccharides
2010G583	SATO Tsutomu Hokkaido Univ.	XAFS analyses for As, Cr, I and S speciations adsorbed on / in clay minerals
2010G584	NUKAGA Michiyoshi Josai Itn. Univ.	Ultrahigh resolution Xray crystallography of penicillin recognizing enzymes
2010G585	KONDO Jiro Sophia Univ.	Motion picture crystallography of the ribosomal RNA molecular switches
2010G586	ENTA Yoshiharu Hirosaki Univ.	Silicon thermal oxidation and its thermal decomposition in the few-nm regime
2010G587	NAKATSUJI Kan The Univ. of Tokyo	Electronic states of transition metal nitride nano-structures on Cu(001) surface
2010G588	Tada Toshiji Osaka Prefecture Univ.	Structural basis for MEK/ERK signaling pathway
2010G589	ICHIKAWA Sosaku Univ. of Tsukuba	Structural analysis of zwitterionic alkyl carboxybetain aggregates
2010G590	KUSUNOKI Masami Univ. of Yamanashi	Structural biology of human and mouse carnspsinase CN2
2010G591	KOBAYASHI Hirokazu Hokkaido Univ.	Study on the mechanism of the cellulose hydrolysis by ruthenium catalysts
2010G592	ASAKURA Kiyotaka Hokkaido Univ.	XAFS studies on the Pt nanoparticles on Sn oxide
2010G593	ASAKURA Kiyotaka Hokkaido Univ.	XAFS studies on RhTe nanocluster supported on SiO <sub>2</sub>



<b>Proposal Number</b>	<b>Spokesperson</b>	<b>Title</b>
2010G594	KOMURA Takayoshi Kogakuin Univ.	Development of the EUV cut filter for X-ray CCD on board AstroH Satellite
2010G595	SHIMOMURA Masaru Shizuoka Univ.	Adsorption structure of nitrogen containing molecules studied by CLS-PED
2010G596	ARAI Ryoichi Shinshu Univ.	Structural and functional analysis of MqnD, a menaquinone biosynthetic enzyme
2010G597	NOGUCHI Keiichi Tokyo Univ. of Agri. & Tech.	Structural Studies on COSase: a Novel Enzyme Degrading Carbonyl Sulfide
2010G598	SAKURAI Takeaki Univ. of Tsukuba	Characterization of structural properties of Cu(In,Ga)Se <sub>2</sub> thin-film solar cells
2010G599	KOBAYASHI Hironori AIST	Local structure analysis of cathode materials of LIB for PHEV using XAFS method
2010G600	HINO Kazuyuki Aichi Univ. of Ed.	SAXS study on the alignment of LC-capped gold nanorods induced by electric field
2010G601	TAKAKUSAGI Satoru Hokkaido Univ.	Understanding of interaction between metal and carbon material by PTRF-XAFS
2010G602	MAEZAWA Hiroshi The Univ. of Tokushima	Effects of microbeam exposure targeted on nucleous and cytoplasm for migration
2010G603	KITAJIMA Masashi Tokyo Inst. of Tech.	Study of cold electron collisions
2010G604	KATSUTA Nagayoshi Gifu Univ.	XAFS analysis of trace elements in Lake Baikal sediment
2010G605	KOIZUMI Haruhiko Tohoku Univ.	Effect of the external electric field on the crystal perfection of protein
2010G606	HOKURA Akiko Tokyo Univ. of Sci.	Study on detoxification mechanism of toxic elements in hyperaccumulating plants
2010G607	NAKAGAWA Takashi Osaka Univ.	XAFS analysis of PtRu nanoparticle catalysts prepared by electron beam reduction
2010G608	NAKATSUKA Akihiko Yamaguchi Univ.	High-temperature structure and phase transition mechanism of CaGeO <sub>3</sub> perovskite
2010G609	KAGI Hiroyuki The Univ. of Tokyo	Pressure-response of hydrous minerals and salty ice
2010G610	MARUTA Shinsaku Soka Univ.	Analysis of conformational change of photo-driven biomolecular machines
2010G612	IKEMOTO Hiroyuki Toyama Univ.	Atomic correlation of Bi nanoparticles -In situ, sample preparation and XAFS
2010G613	YAMAGUCHI Shu The Univ. of Tokyo	Electronic structure and auto-ionization process of ion-electron mixed-conductor
2010G614	SEGAWA Hiroyo NIMS	Investigation of fine-patterning of photosensitive TiO <sub>2</sub> -organic hybrid materials
2010G615	KAGAWA Wataru Waseda Univ.	Structural Studies of Complexes involved in Chromatin Assembly and Dynamics
2010G616	SENDA Toshiya AIST	Crystal structure analysis of CagA derived from Helicobacter pylori
2010G617	AKIMOTO Koichi Nagoya Univ.	Graphene thin film structures grown on SiC substrates
2010G619	HASHIMOTO Hiroshi Yokohama City Univ.	Structural biology of sister chromatid cohesion
2010G620	TAKAHASHI Hiroki Nihon Univ.	Structural parameters of iron-based superconductors under high pressure
2010G621	ITO Kenji KEK-PF	multiple photoionization of atoms & molecules by multi-coincidence spectroscopy
2010G622	MIZUNO Kaoru Shimane Univ.	Resolution in density change using a phantom for high energy X-ray
2010G623	KUBO Tomoaki Kyushu Univ.	Grain growth experiment of high-pressure ices
2010G624	KONDO Hiroshi Keio Univ.	Magnetism and molecular adsorption effect of 1D atomic chain on vicinal surface
2010G625	WATAOKA Isao Kyoto Inst. of Tech.	Structural characterization of beta-glucans in aqueous solution
2010G626	MATSUBA Go Kyoto Univ.	Detailed analysis of complex structure for PLLA and PDLA under shear flow
2010G627	IWAZUMI Toshiaki Osaka Prefecture Univ.	Polarization Analysis of RXES of transition-metal oxides
2010G628	KUSAKABE Yoshio Showa Univ.	Crystal structure analysis of a membrane protein from Mycobacterium tuberculosis
2010G629	IDEMOTO Yasushi Tokyo Univ. of Sci.	H <sub>2</sub> permeability and local structure in phosphate-proton-electron mixed conductor

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2010G630	KONDO Hiroshi Keio Univ.	Effects of NO adsorption on the magnetism and structure of Fe/Cu(001) thin films
2010G631	YANAGIHARA Hideto Univ. of Tsukuba	Determination of Exchange Length in Nanocrystalline Ferromagnets with XRES
2010G632	KONDO Hiroshi Keio Univ.	Study of magnetic anisotropy and structure of FeCo Alloy films grown on Pd(111)
2010G633	HORIBA Koji The Univ. of Tokyo	Change in the Fermi surface topology across the phase transitions of manganites
2010G634	SHIMOYAMA Iwao JAEA	SO <sub>2</sub> adsorption on graphite surface modified by heteroatom doping
2010G635	BABA Yuji JAEA	Synthesis and structure analysis of self-assembled monolayer on oxide surfaces
2010G636	SATO Kazuyoshi Gunma Univ.	XAFS Studies for Ti-O nano-clusters in Titanium Peroxide Nanocrystals
2010G638	FUKUI Ken-ichi Osaka Univ.	XAFS Analysis of Precursor-dependent Supported Rh Cluster Catalysts
2010G639	KUBO Tomoaki Kyushu Univ.	Deformation experiment of high-pressure ices
2010G640	TANOKURA Masaru The Univ. of Tokyo	Crystal structure of a new calcium-binding protein
2010G641	KATO Satoru Kwansei Gakuin Univ.	dynamic structural analysis of mixed bilayers prepared by biological reactions
2010G642	KAWAGUCHI Daisuke Nagoya Univ.	Structures of Diblock Copolymers with Photocleavable Junction Point
2010G643	EMURA Shuichi Osaka Univ.	Reconsideration of site- and valency-selectivity by XEOL-XAFS
2010G646	MIYANAGA Takafumi Hirosaki Univ.	Polarized XAFS study of Mg K-edge for MgB <sub>2</sub> on ZnO buffer layer
2010G647	MIYANAGA Takafumi Hirosaki Univ.	XAFS and XMCD Analyses for Fe/Cr multilayers and FeCr alloys
2010G649	FUKAYA Yuki JAEA	Electronic state of novel low-dimensional structure studied by ARPES
2010G651	AMANO Fumiaki Hokkaido Univ.	Local structure analysis of titanium-doped iron oxide semiconductor electrodes
2010G652	FUKAYA Yuki JAEA	Reflection high-energy positron diffraction using high brightness positron beam
2010G653	IKEURA Hiromi AIST	Study of delocalized conduction band in organic semiconductors
2010G654	TABUCHI Masao Nagoya Univ.	CTR scattering measurement to control QW interfaces for ultrafast optical switch
2010G655	SAITOH Tomohiko Tokyo Univ. of Sci.	Electronic structure of two-transition-metal oxides
2010G656	UENO Satoru Hiroshima Univ.	Phase Behavior for chiral triacylglycerols of S-OPP and R-PPO
2010G657	ENDO Osamu Tokyo Univ. of Agri. & Tech.	Depth analysis of unsaturated bonds in thiol self-assembled monolayers by NEXAFS
2010G658	YAMAMOTO Hiroyuki JAEA	Surface characterization of homoepitaxial iron silicide thin films
2010G659	OSE Toyoyuki Hokkaido Univ.	Escape mechanism of HIV from human immune system using mutated peptides
2010G660	ENTANI Shiro JAEA	XAFS study on growth mechanism of epitaxial graphene
2010G661	FUJIEDA Shun Tohoku Univ.	X-ray absorption spectroscopy of first-order transition in LaCe(FeSi) <sub>13</sub>
2010G662	YUZAWA Satoru Kyushu Univ.	Structural analysis of the cell polarity-regulating protein LGN
2010G663	NOJIRI Hideaki The Univ. of Tokyo	Structural analysis of the electron transfer from ferredoxin to oxygenase
2010G664	MATSUMOTO Yoshihiro JAEA	Analysis of electronic spin states in organic molecule-magnetic metal interface
2010G665	YOHDA Masafumi Tokyo Univ. of Agri. & Tech.	X-ray structure of hyperthermophilic archaeal chaperone
2010G666	ISHII Yoshihiro Tokyo Metropolitan Univ.	Photoemission Spectroscopy of Metallic Single and Double-Wall Carbon Nanotubes
2010G667	MANIWA Yutaka Tokyo Metropolitan Univ.	Structural studies of carbon nanomaterials
2010G668	MORI Yoshihisa Okayama Univ. of Sci.	Synthesis of thermo-electric materials under high temperature and pressure

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2010G669	KOBAYASHI Masaki The Univ. of Tokyo	Evaluation of degradation mechanism of PEFC by time-resolved XAFS
2010G670	KOBAYASHI Masaki The Univ. of Tokyo	Eelectronic states analyses of carbon alloy cathode-catalysts for PEFC
2010G671	SUGIMOTO Yasunobu Osaka Univ.	Structural analysis and biological functions of LIM protein
2010G672	MIZUNO Kaoru Shimane Univ.	Study on strain relaxation mechanism in GaAs/Si nanowirecrystals
2010G674	WATANABE Norio Univ. of Tsukuba	Hilbert differential x-ray microscope and its application to phase CT
2010G675	HAYAKAWA Shinjiro Hiroshima Univ.	In situ XAFS analysis of Nb doped $\text{LiNi}_{0.84}\text{Co}_{0.16}\text{O}_2$ (LNO)
2010G676	KOMABA Shinichi Tokyo Univ. of Sci.	Study on Mechanisms of Oxygen Removal Process in $\text{Li}_2\text{MnO}_3$ -Based Solid Solution
2010G677	YOSHIDA Masaaki Keio Univ.	Study on photocatalyst for water splitting by total reflection fluorescence XAFS
2010G678	WADATI Hiroki UBC, Canada	Resonant soft x-ray scattering studies of ordering in Mn-oxide thin films
2010G679	YAITA Tsuyoshi JAEA	Structure and Bonding properties of Actinides Complexes
2010G680	KOBAYASHI Katsumi KEK-PF	Radiobiology of cytoplasmic irradiation using X-ray microbeam irradiation system
2010G681	KOBAYASHI Katsumi KEK-PF	Radiosensitization by nano-particle of heavy elements
2010G682	IIDA Atsuo KEK-PF	The dynamic local layer and molecular ordering of the smectic liquid crystals
2010G683	WAKATSUKI Soichi KEK-PF	Analysis of the small GTPase/PH domain complex structure
2010G684	MATSUSHITA Shonosuke Univ. of Tsukuba	Medical application of synchrotron radiation using phase contrast method
2010G685	YAMAMOTO Tokujiro Tohoku Univ.	In-situ X-ray reflectivity measurement of metallic glass thin films
2010G686	KOMURA Takayoshi Kogakuin Univ.	Development of the response function for the new type BI-CCD on board AstroH
2010G688	NAKAGAWA Takashi Osaka Univ.	XAFS of Ag nanoparticles supported on fibers by radiation reduction method
2010G689	IWASE Akihiro Osaka Prefecture Univ.	Study on ion irradiation induced ferromagnetic state in FeRh by means of XMCD
2010G690	FUKAMIZO Tamo Kinki Univ.	Structure-function relationship of plant chitinases
2010G691	FUJIMOTO Zui Natl. Inst. of Agrobiol. Sci.	Crystallographic analysis of the enzyme producing isomaltooligosaccharides
2010G692	YOSHIASA Akira Kumamoto Univ.	Detailed crystal structure of natural arsenic with new structure-type
2010G693	KURODA Yasushige Okayama Univ.	Structural analysis of the AgXe species formed in zeolites by XAFS
2010G694	HOSHI Toru Nihon Univ.	Structural Analysis of Polymer Blend Prepared Using Supercritical Carbon Dioxide
2010G695	SAKAKIBARA Yuzuru Univ. of Tsukuba	Development of synchrotron radiation microangiography for clinical application
2010G696	SUZUYA Kentaro JAEA	Nano-structure of Si-C-O fibers by soft X-ray spectroscopy
2010G697	TEZUKA Yasuhisa Hirosaki Univ.	Resonant X-ray Raman Scattering Study for Electronic Structure of $\text{BaTiO}_3$
2010G698	KUSUNOKI Masami Univ. of Yamanashi	Molecular design of useful enzyme on wild-type structural basis
2010G699	TAKENO Hiroyuki Gunma Univ.	Gelation dynamics and structures of surfactant gels
2010G700	SUMII Ryohei KEK-PF	Surface electronic states in the of the layered lithium nickel oxide
2010G701	TAKIMIYA Kazuo Hiroshima Univ.	Crystal, Electronic Structure Analyses of High-Performance Organic Semiconductor
2010G702	SONG Ji-Joon KAIST, Korea	Structural Studies on Epigenetic Gene Regulation
2010G703	RHEE Sangkee Seoul Natl. Univ., Korea	Structural determination of phytotoxin-degrading enzyme
2010G704	SUH Sewon Seoul Natl. Univ., Korea	MAD data collection on M. tuberculosis Enhanced intracellular survival protein

<b>Proposal Number</b>	<b>Spokesperson</b>	<b>Title</b>
2010G705	KIM Kyung Hyun Korea Univ., Korea	Structure determination of norovirus polymerase and influenza hemagglutinin
2010G706	HWANG Kwang-Yeon Korea Univ., Korea	Crystallographic studies of tRNA binding proteins
2010G707	KIM Seung Jun KRIBB, Korea	Structural studies on members of Protein Tyrosine Phosphatases (PTPs)
2010G708	CHOE Jungwoo Univ. of Seoul, Korea	Structural studies of proteins involved in innate immunity
2010G709	CHO Hyun-soo Yonsei Univ., Korea	Crystal structure of Ftz-F1
2010G710	KANG Lin-Woo Konkuk Univ., Korea	Structural proteomic study of Xoo to develop antibacterial pesticides against BB
2010G711	WOO Eui-jeon KRIBB, Korea	Structural and Functional Study on Glycogen Debranching Enzyme for bi-functional
2010G712	KIM Eunice EunKyeong KAIST, Korea	Structural studies of disease-related proteins
2010G713	LEE Sangho Sungkyunkwan univ., Korea	Structural basis for a two-component system in a pathogenic bacteria
2010G714	KIM Kyung-Jin POSTECH, Korea	Structural study of aminoglycoside resistance in M. tuberculosis
2010G716	MIN Chi Young Korea Univ, Korea	Structural analysis of new class of Enoyl-acyl carrier protein reductases, fabV
2010G717	KIM Jeong-Sun Chonnam National Univ., Korea	Structural characterization of nucleic acid handler proteins
2010G718	HEO Yong-Seok Univ. of Konkuk KOREA	Structural Study of SARS Helicase and its Complex with RNA Aptamers
2010G719	KANG Beom Sik Kyungpook National Univ., Korea	Structural insight into the histidine kinases in Mycobacterium tuberculosis
2010G720	KIM Hye-Yeon KBSI, Korea	Crystal structures of outer membrane protein A from Acinetobacter baumannii
2010G721	JEON Young Ho KBSI, Korea	Crystal structure of the periplasmic domain of osmosensor histidine kinase EnvZ
2010G722	LEE Sang Joon POSTECH, Korea	Quantitative analysis of biological flows inside bio-samples
2010G723	KIM Jong-Ki Catholic Univ. of Daegu, Korea	DEI/DFI-CT Imaging of tumor model combined with metallic nanoparticles
2010G725	PARK Jae-Hoon POSTECH, Korea	Investigation on Fermi Surface of Fe intercalated dichalcogenide family
2010G726	PARK Hyung-Ho Yonsei Univ., Korea	Study of bonding and energy band characteristics of polymorphous silicon films
2010G727	YEOM Geun Young Sungkyunkwan Univ, Korea	Electronic structures of Molecule and metal absorbed CVD-grown graphene
2010G728	KIM Heon-Jung Daegu Univ, Korea	Polarization-dependent XAS study on FexTiS <sub>2</sub> and FexTiSe <sub>2</sub>
2010G730	PARK Jae-Hoon POSTECH, Korea	Resonant x-ray scattering on multiferroic TbMnO <sub>3</sub> and $\gamma$ -type hexaferrites
2010G733	CHO Mann-Ho Yonsei Univ., Korea	The conduction band edge in high-k metal oxide on III-V compound substrate
2010G735	CHANG Taihyun POSTECH, Korea	Phase transition from and to Fddd phase
2010G737	ZIN Wang-Cheol POSTECH, Korea	MW effect on domain spacing behavior with temperature in binary blends
2010G743	KIM Kimoon POSTECH, Korea	Structural Characterization of Metal-Organic Porous Materials
2010G745	HAN Sang-Wook CBNU, Korea	XAFS Study of Zn(1-x)M(x)O and Ti(1-x)M(x)O <sub>2</sub> nanostructures
2010G746	LEE Jae-Sung POSTECH, Korea	1-D metal-oxide nanostructure for Photoelectrochemical Hydrogen Production
2010G751	KIM Hyo Jung SNU, Korea	X-ray scattering study about polymer structure in OPV devices
2010G753	LEE Yongjae Yonsei Univ., Korea	Structural investigation of ion-exchanged natrolite under high-pressure
2010G755	NOH Do-yong GIST, Korea	Order-disorder transition in Pt-Ni nano alloy crystals
2010P001	HASHIMOTO Yohey Mie Univ.	Speciation of phosphorus in agricultural soils for environmental risk assessment
2010P002	SASAKI Masahiro Univ. of Tsukuba	Structure and energy level alignment in organic semiconductor interfaces

<b>Proposal Number</b>	<b>Spokesperson</b>	<b>Title</b>
2010P004	SAKAI Masatoshi Chiba Univ.	Structural analysis of a ferroelectric organic Mott insulator crystals
2010P005	KIYOTANI Tamiko Showa Pharmaceutical Univ.	Structure determination of oligopeptides based on powder diffraction data
2010P006	YOKOYAMA Takushi Kyushu Univ.	Chemistry of silicic acid in plant
2010P007	HARADA Makoto Tokyo Inst. of Tech.	The growth of the liquid pools and crystals in a metaric salt-doped water-ice
2010P008	SEGAWA Hiroyo NIMS	Local structure of MnO-B <sub>2</sub> O <sub>3</sub> glass system using X-ray absorption
2010P009	ARAI Takahide Keio Univ.	Elucidation of the Mechanism of Takotsubo cardiomyopathy
2010P010	ISOBE Masahiko The Univ. of Tokyo	High pressure and high temperature syntheses of Hollandite-type oxides
2010P011	YAMADA Taro Ibaraki Univ.	X/N joint refinement of serine protease-inhibitor complexes
2010P102	INAGUMA Yoshiyuki Gakushuin Univ.	Synthesis and High-pressure phase transition of Novel LiNbO <sub>3</sub> -type oxides
2010P104	SUZUKI Yoshihisa The Univ. of Tokushima	Colloidal crystallization of highly concentrated protein molecules in water
2010P106	YONEMOCHI Etsuo The Toho Univ.	Study of transformation mechanism of pharmaceutical hydrate by crystal structure
2010P107	SAKAKIBARA Masayuki Ehime Univ.	Synchrotron X-ray fluorescence analysis of Eleocharis acicularis

Proposal Number	Spokesperson	Title
2010C001	NOMURA Masaharu (Fujifilm Corp.)	Structural and chemical state analysis of small quantity additives in inorganic materials
2010C002	NOMURA Masaharu (Nippon Steel Corp.)	Dynamical explication of material processing with SR
2010C003	NOMURA Masaharu (TORAY Industries, Inc.)	Studies on in-situ XAFS analysis techniques related to next-generation ecological energy techniques
2010C004	WAKATSUKI Soichi (JT)	X-ray crystal structure analysis of complexes between drug target proteins and small ligands
2010C005	ONO Kanta (TOYOTA Motor Corp.)	Study on coercivity mechanism of Nd-Fe-B permanent magnet based on magnetic structure visualization
2010C006	USAMI Noriko (Central Research Institute of Electric Power Industry)	Mechanisms and intracellular targets of bystander responses induced by synchrotron X-ray microbeam
2010C007	YAGISHITA Akira (Nikon Corp.)	SR characterization of X-ray multilayer mirrors
2010C008	HIRANO Keiichi (Hitachi, Ltd.)	Research of x-ray imaging and materials evaluation
2010C009	NOMURA Masaharu (Mitsui Chemical Analysis & Consulting Service Inc.)	XAFS analysis of small quantity metals in thin films and catalysts
2010C010	KOBAYASHI Katsumi (JFE Steel Corp.)	Technological establishment of nano-level analysis of materials with SR
2010C011	IIDA Atsuo (Canon Inc.)	Study on microanalysis using SR X-ray microbeam
2010C012	TSUCHIYA Kimichika (NEOMAX ENGINEERING Co., Ltd.)	Improvement of the method to adjust the magnetic field of the insertion devices
2010C013	NOMURA Masaharu (LIXIL Corp.)	Chemical state analysis of silver species contained in Kokin sanitary ware
2010C014	NOMURA Masaharu (Taiheiyo Consultant Co., Ltd.)	XAFS Analysis of the Structure of Ca in Engineered Barrier Materials
2010C015	NOMURA Masaharu (NEC Corp.)	Structure evaluation of materials for next-generation lithium ion batteries
2010C016	NOMURA Masaharu (JX Nippon Oil & Energy)	XAFS studies on regenerated hydrodesulfurization catalysts
2010C017	HARADA Kentaro (Beam Seiko Instruments Inc.)	Development of the effective magnetic measurement method for small bore multipole
2010Y001	TAWARA Shuichi Astellas Pharma Inc.	Structural analysis of target proteins for drug design by using synchrotron radiation
2010Y002	HARUYAMA Hideyuki PC Prot	Pharmaceutical Consortium for Protein Structure Analysis
2010Y003	KAWAMURA Kazuo Kyowa Hakko Kirin Co., Ltd.	X-ray crystallographic studies of proteins and protein/ligand complexes for structure-based drug design
2010Y004	TSUKAHARA Kappei Eisai Co. Ltd.	X-ray crystallographic studies of proteins and protein/ligand complexes for structure-based drug design
2010Y005	INABA Masashi Mitsubishi Chemical Co.	X-ray crystallographic studies of proteins and protein/ligand complexes for structure-based drug design
2010Y006	SOGA Tsunehiko DAIICHI SANKYO Co., Ltd.	X-ray crystallographic studies of proteins and protein/ligand complexes for structure-based drug design
2010Y007	OMORIKAWA Kazumi Chugai Pharmaceutical Co., Ltd.	X-ray crystallographic studies of proteins and protein/ligand complexes for structure-based drug design
2010Y008	FURUSAKO Shoji Mochida Pharmaceutical Co.,	X-ray crystallographic studies of proteins and protein/ligand complexes for structure-based drug design
2010Y009	HATTORI Makoto Sumitomo Chemical Co., Ltd.	Structural analysis of fine ceramics by X-Ray Absorption Fine Structure
2010Y010	ONOMICHI Kazuya AJINOMOTO Co., Inc.	X-ray crystallographic studies of proteins and protein/ligand complexes for structure-based drug design
2010Y011	NAGASAWA Yoshikatsu Toray Research Center	Characterization of exhaust catalysts and lithium-ion batteries by using <i>in situ</i> XAFS
2010Y012	KUDOH Yoshihiro Sony Co.	XAFS analysis of electrode materials
2010Y013	TAKEDA Haruo Hitachi, Ltd.	Structural analysis of semiconductor and LIB materials using EXAFS
2010Y014	SENO Yoshiki TOYOTA CENTRAL R&D LABS., INC.	Structural analysis of amorphous ceramic thin films by XAFS
2010Y015	TAKEUCHI Hisao Mitsubishi Chemical Group Science and Technology Research Center, Inc.	XAFS analysis of active sites

Proposal Number	Spokesperson	Title
2010Y016	IHARA Junji Sumitomo Electric Industries,	Chemical state analysis of the alkali metal in SiO <sub>2</sub> glasses
2010Y017	FURUYA Kazuhiko (Fujifilm Corp.)	X-ray crystallographic studies of proteins and protein/ligand complexes for structure-based drug design
2010Y018	Barry N NOELER Univ. of Queensland, Australia	Lead and arsenic speciation in mine wastes using XANES and EXAFS
2010Y019	KUDOH Yoshihiro Sony Co.	XAFS analysis of electrode materials
2010Y020	NAMITA Hideo Mitsubishi Chemical Group Science and Technology	Precise measurements of lattice constants and topographic observations by x-ray diffraction
2010Y021	NAKAYAMA Yuri SONY Corp.	XAFS study of complex structures in electrolyte solutions
2010Y022	TAKEDA Haruo Hitachi, Ltd.	Structural analysis of semiconductor and LIB materials using EXAFS
2010Y023	TSUNO Kichiya Health Analysis Laboratory, Ltd.	Health Examination by X-ray fluorescence analysis of hair
2010Y024	SHIMODAIRA Yoshiki R&D Partnership for Future Power Electronics Technology	Characterization of SiC crystal and devices for future power electronics
2010Y025	TAKEUCHI Hisao Mitsubishi Chemical Group Science and Technology	XAFS analysis of active sites (2)
2010Y026	IHARA Junji Sumitomo Electric Industries,	Chemical state analysis of the alkali metal in SiO <sub>2</sub> glasses
2010Y027	AKIMUNE Yoshio National Institute of Advanced Industrial Science and	Nondestructive imaging of Natural gas hydrate pellet
2010Y028	TAKEDA Haruo Hitachi, Ltd.	Structural analysis of semiconductors and LIB materials using EXAFS and XPS
2010Y029	ISHIDA Tomoharu JFE Steel Corporation	Chemical state analysis of Al by XAFS
2010Y030	NAKAJO Tetsuo Showa Denko K.K.	Local structural analysis of the light elements in the catalytic materials by soft-X-ray XAFS measurement
2010Y031	KUDOH Yoshihiro Sony Co.	XAFS analysis of electrode materials

\*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.