

Proposal List of Public Beamline Experiments in 1997

Proposal No.	Proposal Leader	Title of Experiment	Beamline No.
1997B0007-NX -np	NIWA Miki	Analysis of Structure of Zeolite-Supported Pd Catalyst by XAFS	BL01B1
1997B0008-NX -np	NIWA Miki	Analysis of Microstructure of Loaded Mo and W Oxide Catalysts by XAFS	BL01B1
1997B0038-NX -np	WATANABE Iwao	Solvation Structures of Iodide Ion in Various Solvents	BL01B1
1997B0039-NX -np	WATANABE Iwao	Total Reflection XAFS of Aqueous Solution Surface	BL01B1
1997B0064-NX -np	KATAYAMA Yoshinori	XAFS Study on Liquid Te and I under High Temperature and High Pressure	BL01B1
1997B0067-NX -np	KUBOZONO Yoshihiro	XAFS of metal endohedral C ₆₀	BL01B1
1997B0071-NX -np	TANAKA Tsunehiro	XAFS Analysis of Dilute Zr, Nb and Mo Species in Metal Oxide Matrices	BL01B1
1997B0087-NX -np	EMURA Shuichi	General evaluation of XAFS beam line II-low and middle energy region-	BL01B1
1997B0094-NX -np	NISHIHATA Yasuo	General evaluation of XAFS beamline I -XAFS in the high energy region	BL01B1
1997B0100-NX -np	TANAKA Tsunehiro	Evaluation of Energy Resolution of BL01B1 Using XANES Spectra of Various Metal Ions	BL01B1
1997B0110-NX -np	MURATA Takatoshi	Local lattice structure of crystal thin films of alkali halides	BL01B1
1997B0111-NX -np	KAGEYAMA Hiroyuki	XAFS study on photoluminescence property and structure of ion implanted Cu ion	BL01B1
1997B0118-NX -np	TAKAHASHI Masao	Regulation of XAFS observation system at XAFS beam line, BL01B1	BL01B1
1997B0119-NX -np	TAKAHASHI Masao	Local structure around Eu for new red fluorescent material, (La _{1-x} Eu _x) ₂ O ₂ CN ₂ by the electron yield XAFS technique	BL01B1
1997B0160-NX -np	YAMAGUCHI Hirotaka	Local Structure of Nd ³⁺ ions in Oxide Glasses Studied by EXAFS on the Nd K-edge	BL01B1
1997B0003-ND -np	TORAYA Hideo	Resolution tests of crystal analyzer and long horizontal parallel slits in powder diffraction experiments	BL02B1
1997B0009-ND -np	KUROIWA Yoshihiro	Precursor Phenomena on the First-Order Phase Transition in Ferroelastic Compounds	BL02B1
1997B0010-ND -np	SAKATA Makoto	Crystal Structural Analyses in the Electron Level of the Fullerene Compounds by the Maximum Entropy Method	BL02B1
1997B0014-ND -np	OHSHIMA Ken-ichi	Structural Fluctuation in Ternary Alloys	BL02B1
1997B0026-ND -np	NODA Yukio	Lattice modulation and charge ordering associated with the spin ordering in CeP	BL02B1
1997B0027-ND -np	NODA Yukio	Phase transition of hexagonal BaTiO ₃	BL02B1
1997B0028-ND -np	KASATANI Hirofumi	Precise Crystal Structure Analysis of K ₃ H(SO ₄) ₂ by High Energy X-ray Diffraction Method	BL02B1
1997B0033-ND -np	TAKAHASHI Isao	Study of phase transitions on the surface of Si wafers	BL02B1
1997B0062-ND -np	YAMANAKA Takamitsu	System device for single crystal structure analysis under high pressure and low temperature	BL02B1
1997B0073-ND -np	TANAKA Kiyooki	Accurate Electron density Measurement in Transition-Metal Complexes by Using Synchrotron Radiation and Vacuum Camera	BL02B1
1997B0084-ND -np	AKAHAMA Yuichi	Single Crystal Analyses of e High-Pressure phase of Solid Oxygen	BL02B1
1997B0129-ND -np	OZAWA Yoshiki	Development of Electronic Excited State Crystallography by Modulation Method with IP	BL02B1
1997B0141-ND -np	SAKAUE Kiyoshi	Structural Study and Phase Transition of Ultra-Thin BaTiO ₃ Films Epitaxially Grown by MBE	BL02B1
1997B0142-ND -np	TAKENAKA Yasuyuki	X-ray structure analysis of organic crystals with very small sizes of host-guest inclusion compounds	BL02B1
1997B0179-ND -np	TORIUMI Koshiro	Small Crystal Crystallography and Photo-Induced Structural Analyses of Halogen-Bridged Metal Complexes with Linear-Chain Structures	BL02B1

1997B0181-ND -np	SAKAUE Kiyoshi	Structural Study on Quasi-Periodic Superlattice Films with High-Resolution X-Ray Diffraction	BL02B1
1997B0020-ND -np	YAGI Takehiko	Structural and Equation of State Study of Mantle Rocks Through In Situ X-ray Diffraction	BL04B1
1997B0049-NOM -np	IRIFUNE Tetsuo	In situ X-ray Diffraction study of the phase transformations, melting behaviours, and rheological properties of the earth's materials at high pressure and high temperature	BL04B1
1997B0051-ND -np	URAKAWA Satoru	X-ray diffraction analysis of Fe-FeS melts under pressure	BL04B1
1997B0055-ND -np	OHTAKA Osamu	Phase transitions of AX ₂ compounds under high pressure and temperature	BL04B1
1997B0099-NOD -np	KATSURA Tomoo	Precise determination of phase relations in Mg ₂ SiO ₄ -Fe ₂ SiO ₄ at high pressures	BL04B1
1997B0122-ND -np	UTSUMI Wataru	In situ observation of graphite to diamond transition using catalysts	BL04B1
1997B0138-ND -np	ENDO Shoichi	Determination of pressure-temperature phase diagram of PbZrO ₃	BL04B1
1997B0163-ND -np	INUI Masanori	Structure of supercritical fluid selenium at high temperature and pressure	BL04B1
1997B0164-ND -np	TAMURA Kozaburo	Structure of Fluid Hg at Supercritical Conditions	BL04B1
1997B0180-ND -np	KITAMURA Naoyuki	Structure Analysis of SiO ₂ and GeO ₂ around Glass Transition Temperature under High Pressures	BL04B1
1997B0104-ND -np	SAKAI Nobuhiko	Performance of Experimental Equipment for Magnetic Compton scattering	BL08W
1997B0105-NM -np	SAKAI Nobuhiko	Measurements of the degree of Circular Polarization of High energy X rays	BL08W
1997B0106-NM -np	SAKAI Nobuhiko	Characterization of a 300-keV monochromator	BL08W
1997B0005-ND -np	Mitsui Takaya	The study of perturbed nuclear resonant scattering	BL09XU
1997B0006-ND -np	HARAMI Taikan	X-ray inelastic scattering of hemoglobin	BL09XU
1997B0069-ND -np	ITO Masatoki	Surface X-ray Structure Analysis of Solid Solution Interfaces	BL09XU
1997B0076-ND -np	SETO Makoto	Development of Nuclear Resonant Inelastic Scattering Technique	BL09XU
1997B0081-ND -np	TAKAHASHI Toshio	Structure Analyses of Surfaces and Interfaces by X-ray Diffraction	BL09XU
1997B0089-NS -np	NASU Saburo	Nuclear-Resonance Scattering of Ferromagnetic Amorphous Alloy	BL09XU
1997B0172-ND -np	YODA Yoshitaka	Nuclear resonant scattering by the nuclei with high transition energy	BL09XU
1997B0173-ND -np	YODA Yoshitaka	Fundamental process of nuclear resonant scattering	BL09XU
1997B0013-ND -np	HAMAYA Nozomu	Structure analysis of penta-atomic molecular solids at high pressure	BL10XU
1997B0017-ND -np	KAWAMURA Haruki	Structural Phase Transition of Molecular Solid under High Pressure	BL10XU
1997B0040-ND -np	ONODERA Akifumi	Search for high-pressure, high temperature phase(s) of sulfur	BL10XU
1997B0065-NOM -np	KATAYAMA Yoshinori	Density of Liquid Te and Bi under High Temperature and High Pressure	BL10XU
1997B0083-ND -np	AKAHAMA Yuichi	Crystal Structure Analyses of Solid Oxygen High-Pressure phases and Research for Molecular Dissociation	BL10XU
1997B0162-NS -np	SUZUKI H. Isao	High Resolution Resonance Auger Electron Spectroscopy of Atoms and Molecules	BL27SU
1997B0018-ND -np	HAYASHI Kouichi	Fluorescent X-ray Holography of Single Crystals	BL39XU
1997B0021-NM -np	SAKURAI Kenji	Development of high energy resolution detectors for trace chemical characterization	BL39XU
1997B0022-NS -np	SAKURAI Kenji	Chemical characterization of ultra trace metals in small liquid drop	BL39XU
1997B0023-NM -np	SAKURAI Kenji	Analyses of interfaces of thin films by X-ray fluorescence and scattering using total reflection	BL39XU

1997B0032-NM -np	ITO Masahisa	Development of monochromatic beam method of X-ray magnetic diffraction with a phase plate	BL39XU
1997B0125-NL -np	NAKAI Izumi	Development of total reflection X-ray fluorescence	BL39XU
1997B0131-NM -np	HAYAKAWA Shinjiro	High resolution x-ray fluorescence spectroscopy and spin selective XAFS	BL39XU
1997B0132-NM -np	HAYAKAWA Shinjiro	Chemical state analysis of trace elements with a scanning x-ray microprobe	BL39XU
1997B0153-NM -np	MARUYAMA Hiroshi	Efficiency Test for the Optics on BL-39XU	BL39XU
1997B0154-NM -np	MARUYAMA Hiroshi	Instrumentational Test for Magnetic Scattering and Absorption Apparatus	BL39XU
1997B0155-NS -np	MARUYAMA Hiroshi	Multielectron Excited States in Ferromagnetic 3d-Transition Metal Compounds by Magnetic Circular X-ray Dichroism	BL39XU
1997B0156-NS -np	MARUYAMA Hiroshi	MCD Measurement at Pt L _{2,3} -Edges in Polarization-Modulation Mode	BL39XU
1997B0024-NL -np	NAMBA Keiichi	Structure analysis of bacterial flagellar filament by X-ray fiber diffraction	BL41XU
1997B0041-NL -np	MORIMOTO Yukio	Structure of Diol Dehydrase containing Vitamin B12 analogue	BL41XU
1997B0050-NL -np	KAI Yasushi	X-ray Crystallographic Study of Pink Color Chromoprotein from <i>Pleurotus Salmoneostramineus L.Vass</i>	BL41XU
1997B0054-NL -np	FUKUYAMA Keiichi	X-ray crystallographic analyses of tobacco necrosis virus, peroxidase and amylase inhibitor	BL41XU
1997B0056-NL -np	TANAKA Nobuo	The structure of thermophilic enzymes and their thermostabilities	BL41XU
1997B0068-NL -np	NUREKI Osamu	X-ray crystallography of complex of aminoacyl-tRNA synthetase and tRNA	BL41XU
1997B0088-NL -np	MIYANO Masashi	Crystal Structure Analysis of PGDS	BL41XU
1997B0097-NL -np	YAMANE Takashi	The structure-function analysis of amylases from Bacillus origin.	BL41XU
1997B0102-NL -np	KAMIYA Nobuo	Test for the Routine Structure Analysis at the Bio-Crystallography Beamline	BL41XU
1997B0103-NL -np	KAMIYA Nobuo	Tuning of the Bio-Crystallography Beamline	BL41XU
1997B0116-NL -np	NAKAGAWA Atsushi	X-ray crystal structure analysis of ribosomal protein S7 by MAD	BL41XU
1997B0140-NL -np	MIKI Kunio	Evaluation of Performance of the Bio-Crystallography Beamline by Means of Refinement of High-Resolution Crystal Structure	BL41XU
1997B0149-NLD -np	YAMAGUCHI Hiroshi	Time-resolves X-ray solution scattering studies on protein folding with T-jump system	BL41XU
1997B0159-NL -np	YAMAGATA Yuriko	Structures of E.coli and mouse enzymes that hydrolyze 8-oxodGDP, a mutagenic substrate for DNA synthesis	BL41XU
1997B0178-NLD -np	SAKAI Hiroaki	High resolution X-ray crystal structure analysis of cytochrome c oxidase	BL41XU
1997B0183-NL -np	YOSHIKAWA Shinya	Mechanism of Proton Pumping of Cytochrome c Oxidase based on its Crystal Structure.	BL41XU
1997B0187-NL -np	MAEDA Yuichiro	X-ray fiber diffraction from well oriented sols of native thin filament and F-actin	BL41XU
1997B0188-NL -np	Dmitry G. Vassilyev	Crystal structure analysis of Phe-tRNA-synthetase from T.thermophilus complexed with 1)tRNA; 2)tRNA and phenyladenylate; and 3)tRNA and Phe; 4)Phe and ATP 5)ApA4; 6)tRNA and ApA4	BL41XU
1997B0189-NL -np	MAEDA Yuichiro	Protein crystallography of tropomyosin and complexes of tropomyosin with other proteins	BL41XU
1997B1002-ND -np	Dr. M. V. Hosur	X-ray structure analysis of drug-resistant HIV-1 protease, and protease inhibitor complexes, and rHCAI and substate/ inhibitor complexes	BL41XU
1997B0015-NL -np	YAGI Naoto	Tests of the small-angle beamline for X-ray diffraction experiments on skeletal muscles.	(RIKEN)
1997B0048-NL -np	INOKO Yoji	X-ray Solution Scattering of Biological Supramolecules on an Undulator Radiation Source	(RIKEN)
1997B0146-NL -np	TOKUNAGA Fumio	Structural analysis during the photocycle of bacteriorhodopsin revealed by time resolved X-ray diffraction	(RIKEN)
1997B0147-NL -np	TOKUNAGA Fumio	Solution structure of photoactive yellow protein: stability and light-induced structural changes	(RIKEN)