

Public Beamline
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Low Temperature Laue Topography of La-Doped SrTiO ₃	2000B0451 -ND -np	T. Ozaki
White X-ray Scattering Topographic Observation for GaN on GaAs using Micro beam	2000B0565 -ND -np	Y. Suzuki
Development of SR-Microbeam Shaping and the Scanning with High Energy White Spectrum for Scattering Topography	2000B0568 -NM -np	Y. Chikaura
Topographic Study on Structural Relaxation in Fe-Si, GaAs, ZnSe and Zn Te Crystals at high Temperature	2000B0569 -NM -np	Y. Chikaura
Characterization and Determination of the Structure of the lattice Defects in Organic Crystals by Laue Topography	2000B0579 -CD -np	K. Izumi

BL39XU

Ultra trace analysis using an x-ray microprobe	2000B0029 -LM -np	S. Hayakawa
In-vivo and in-situ micro XRF analysis of living single neurons	2000B0103 -CL -np	A. Ide
XANES in a single motor neuron from patients with amyotrophic lateral sclerosis (ALS)	2000B0136 -CL -np	S. Yoshida

XMCD study of amorphous Gd ₆₇ Ni ₃₃	2000B0182 -NX -np	Y. Murakami
X-Ray Fluorescence Analysis of Cadmium distribution in Tissue Section of Itai-itai disease kidney	2000B0208 -NL -np	K. Takagawa
Polarization effect of X-ray fluorescence hologram	2000B0216 -ND -np	K. Hayashi
X-ray Magnetic Circular Dichroism in Quasicrystals	2000B0239 -NX -np	Y. Watanabe
Establishment of Detection Bases for X-ray Photoacoustic Spectroscopy using SR at High Brilliance	2000B0271 -NSM -np	T. Masujima
X-ray standing wave investigation of Ni/C multilayers	2000B0301 -ND -np	K. Sakurai
XACD Spectrum in Ho ₃ Fe ₅ O ₁₂ at High Temperatures	2000B0385 -NX -np	H. Maruyama
Circular Dichroism in High-Tc Superconductors	2000B0386 -NX -np	H. Maruyama
X-ray diffraction analysis of micro-crystals by using Gandolfi camera	2000B0471 -NOD -np	I. Nakai
Magnetic Circular Dichroism of FeK $\beta_{1,3}$ X-Ray Emission Spectrum in Fe ₃ O ₄	2000B0485 -NS -np	N. Kawamura
MCD measurements of Fe ₄ N at Fe K-edge under high pressure: Part II	2000B0514 -CX -np	N. Ishimatsu
Trace element distribution and chemical state analysis of nodules in Ryukyu Limestone	2000B0520 -NS -np	N. Haga

BL40B2

Crystal Structure Analysis of Diol Dehydratase without Substrate	2000B0008 -NL -np	T. Toraya
Structural analysis of bacterial transporter protein	2000B0030 -NL -np	t. Nakae
High resolution X-ray diffraction study of purple membrane	2000B0031 -NL -np	T. Oka
Structure analyses of Collagen Model Peptide, (Xaa-Yaa-Gly) _n	2000B0036 -NL -np	K. Okuyama
Study of Ge-Doped VAD Vitreous Silica Preform for Optical Fiber by the Anomalous SAXS Technique	2000B0139 -ND -np	A. H. Shinohara
SAXS Measurements of the mutant proteins of PYP whose chromophore thermal isomerization processes are retarded	2000B0157 -NL -np	J. Sasaki
Small Angle X-ray Scattering Measurements of Sensory Rhodopsin and the Transducer Complex	2000B0158 -NL -np	J. Sasaki
X-Ray crystallographic study of glyceraldehyde-3-phosphate dehydrogenase.	2000B0161 -NL -np	T. Tada
Crystal structure analysis of small heat shock protein	2000B0163 -NL -np	S. Ha
X-ray Crystal Analysis of $\alpha 3\beta 3\gamma \epsilon$ sub-complex of F1-ATPase from a Thermophilic bacterium	2000B0185 -NL -np	Y. Shirakihara

X-ray crystal analysis of repressor protein CamR that controls transcription of Camphor decomposing operon	2000B0186 -NL -np	Y. Shirakihara
Crystal structure analysis of lectin from algae	2000B0187 -NL -np	K. Katayanagi
Crystallographic studies of chitinase C from <i>Streptomyces griseus</i>	2000B0211 -CL -np	Y. Kezuka
Small and Wide Angle X-ray Scattering from Scizophyllan/Polynucleotide Complexes	2000B0227 -NL -np	K. Sakurai
X-ray crystallography of a novel thermostable beta-galactosidase	2000B0254 -NL -np	S. Fushinobu
Multiple-isomorphous Replacement Analysis of Ultra-thin Membrane Protein Crystals with XAFS Measurements	2000B0264 -NL -np	C. Toyoshima
Crystal Structure Analysis of Glycerol-3-Phosphate Acyltransferase (GPAT)	2000B0288 -NL -np	T. Tamada
Crystal Structure Analysis of PDZ2 domain of FAP-1	2000B0290 -CL -np	T. Tamada
X-ray Structure analysis of human hematopoietic prostaglandin D synthase, as glutathione S transferase, complexed with CDNB	2000B0344 -NL -np	Y. Kai
Structural analysis of the mechanism to control activation of spinach RuBisCO	2000B0345 -NL -np	Y. Kai
Measurement of X-ray fiber diffraction data of the bacterial flagellar filament at BL ₄ 0B ₂	2000B0353 -NL -np	K. Hasegawa
Protein crystallographic studies of the flagellar HAP2 complex	2000B0354 -NL -np	K. Imada
Preliminary X-ray diffraction studies of HutP protein: An RNA binding protein that regulates hut operon by transcriptional antitermination mechanism in <i>Bacillus subtilis</i>	2000B0371 -NL -np	T. Kumaravel
Crystal structure analysis of monomeric isocitrate dehydrogenase	2000B0373 -CL -np	Y. Yasutake
Determination of X-ray Crystal Structure of Tryptophan Synthase α , β 2, and α 2 β 2 Complex from Hyperthermophile, <i>Pyrococcus furiosus</i>	2000B0379 -NL -np	K. Yutani
Hydration Structure on Protein Surface by Cryo X-ray Analysis of Mutant Human Lysozymes	2000B0380 -NL -np	K. Takano
Solution X-ray scattering measurements of the reassembled dimer of an integral membrane protein OmpF Porin	2000B0389 -NL -np	Y. Watanabe
Structural studies of nuclear transport proteins	2000B0425 -NL -np	S. Lee
X-ray Crystallographic study of medium chain acyl-CoA dehydrogenase	2000B0427 -NL -np	I. Miyahara
X-ray Crystallographic Study of Vesicular Assembly of Light-Harvesting Chlorophyll a/b Protein Complex	2000B0449 -NL -np	T. Hino
Crystal Structure Analysis of Biphenyl Dioxygenase	2000B0465 -CL -np	N. Venugopalan

Crystal structure analysis of an autoregulator-receptor protein in <i>Streptomyces</i> species	2000B0466 -NL -np	R. Natsume
Structural fluctuations and membrane undulations in complex fluids involving amphiphiles	2000B0469 -CL -np	T. Takeda
X-ray Crystallographic Analysis of the Muscle Regulatory Protein Complex with MAD method	2000B0497 -NL -np	S. Takeda
Study on structural change of Prostaglandin D synthase induced by denaturants	2000B0498 -NL -np	K. Inoue
Studies on the function of Chaperonin GroEL	2000B0499 -NL -np	K. Inoue
X-ray fiber diffraction from well oriented sols of F-actin and Native Thin Filament	2000B0527 -CL -np	K. Makino
Three-dimensional structure of <i>Escherichia coli</i> MutT	2000B0529 -NL -np	Y. Yamagata

BL40XU

Study on dynamics of a block copolymer chain during its order-disorder transition induced by pressure jump	2000B0034 -CD -np	M. Takenaka
Study on dynamics of a block copolymer chain during its order-disorder transition induced by pressure jump	2000B0035 -ND -np	M. Takenaka
Total-Reflected X-ray Tracking (TXT)	2000B0042 -CL -np	Y. Sasaki
Observation of Dynamic Speckle using High Flux Beamline	2000B0048 -NM -np	N. Yagi
Structural Changes of Myofilaments During Muscle Shortening	2000B0049 -NL -np	N. Yagi
Two-dimensional X-ray diffraction pattern from living mammalian skeletal muscle: Comparison between rest and contraction	2000B0127 -NL -np	H. Iwamoto
Investigation of crystallization process in polymer blend by time- and spatial- resolved SAXS	2000B0248 -ND -np	Y. Nozue
SAXS and WAXS measurements of the inequilibrium state of polymers and biomembrances using a fine slit system	2000B0275 -ND -np	T. Asano
Detection of extreme trace metals by means of a wavelength-dispersive total-reflection X-ray fluorescence spectrometer	2000B0302 -NS -np	K. Sakurai
Structural Development of Natural Rubber during drawing by in situ Wide-Angle X-ray Diffraction Measurement	2000B0398 -ND -np	S. Murakami
Time-resolved protein crystallography with high-flux quasi-monochromatic X-rays	2000B0519 -CL -np	S. Adachi

BL41XU

Structure determination of sodium-translocating ATPase from <i>Enterococcus hirae</i>	2000B0014 -NL -np	I. Yamato
Crystal Structure Analysis of Oxygen-Evolving Photosystem II Complex	2000B0046 -CL -np	J. Shen

An X-ray Data Collection of the 20S Proteasome from Bovine Liver at the BL41XU	2000B0083 -NL -np	Y. Morimoto
Crystal structure analysis of a zinc-containing formaldehyde dehydrogenase by the MAD method	2000B0088 -NL -np	N. Tanaka
Evaluation of X-radiation damage of protein crystals at 30K	2000B0097 -NL -np	M. Nakasako
High Resolution X-ray Structure Analysis of DsrD protein	2000B0105 -NL -np	N. Mizuno
X-ray crystallography of <i>Thermus thermophilus</i> glutamyl-tRNA synthetase complexed with the cognate tRNA	2000B0198 -CL -np	S. Sekine
X-ray crystallographic analysis of fatty acid β -oxidation multienzyme complex	2000B0236 -CL -np	M. Ishikawa
X-ray Crystallographic study of <i>Thermus thermophilus</i> citrate synthase	2000B0243 -NL -np	E. Kanamori
X-ray Crystallographic Study of the K Intermediate of Bacteriorhodopsin	2000B0244 -CL -np	Y. Matsui
Study of the substrate specificity of NfsB, a nitroreductase from <i>Escherichia coli</i> by X-ray crystallography	2000B0251 -NL -np	W. Lee
X-ray Crystallography of Ultra-thin Membrane Protein Crystals	2000B0263 -CL -np	C. Toyoshima
Crystal Structure Analysis of Glycosyltrehalose-hydrolyzing α -amylase from the Hyperthermophilic <i>Archaeum Sulfolobus Solfataricus</i> KM1	2000B0289 -NL -np	T. Tamada
Structural studies on breast cancer susceptibility Protein	2000B0328 -NL -np	Y. Cho
X-Ray Crystallographic Analysis of 4Fe Ferredoxin at Ultrahigh Resolution	2000B0341 -NL -np	K. Fukuyama
Structural analysis of Ribulose 1,5-bisphosphate carboxylasae/oxygenase from <i>Chlamydomonas</i>	2000B0348 -NL -np	Y. Kai
Crystallographic study of a 32K fragment of flagellar hook protein	2000B0355 -NL -np	K. Imada
Preliminary crystallographic analysis of the Rho-binding domain of bovine Rho-kinase	2000B0356 -NL -np	K. Ihara
Structural analysis of regulatory mechanism of GTP cyclohydrolase I controlled by a regulatory subunit, GFRP	2000B0357 -NL -np	N. Maita
X-ray Crystallographic Study of Disintegrin	2000B0370 -CL -np	Y. Fujii
Crystal structure Analysis of Macrophomate synthase by MAD method	2000B0375 -NL -np	T. Ose
Crystal structure analysis of 23S rRNA-binding protein L13 by MAD method	2000B0376 -NL -np	M. Tanaka
Structural Studies on the Topa Quinone Foration in Copper-Containing Phenylethylamine Oxidase from <i>Arthrobacter globiformis</i>	2000B0397 -NL -np	M. Kim

Crystallographic analysis of Archaeal-type class-I lysyl-tRNA synthetase	2000B0409 -NL -np	O. Nureki
X-ray crystallography of human DNA homologous recombination protein, Rad52	2000B0413 -NL -np	O. Nureki
X-ray crystallographic study of DNA primase from hyperthermophilic archaeon	2000B0414 -CL -np	O. Nureki
X-ray crystallography of Pyrococcus horikoshii tRNA-guanine transglycosylase	2000B0415 -CL -np	O. Nureki
X-ray crystallography of AUH protein in complex with AU-rich element RNA	2000B0416 -CL -np	O. Nureki
X-ray crystallography of the cell surface antigen CD38 complexed with ganglioside	2000B0417 -CL -np	O. Nureki
X-ray crystallography of CENP-B in complex with CENP-B box DNA	2000B0418 -CL -np	O. Nureki
X-ray crystal structure analysis of tyrosine kinase	2000B0426 -NL -np	A. Ogawa
X-Ray Crystallographic Study of Quinone Type Built-in Coenzyme Containing Amine Dehydrogenase	2000B0428 -NL -np	K. Hirotsu
X-ray Crystal Structure Determination of Thermosome from Hyperthermophilic Archaea	2000B0429 -CL -np	Y. Shomura
X-ray Crystallographic Study of Light-Harvesting Choloropyll a/b Protein Complex	2000B0450 -NL -np	T. Hino
3x6 arrayed CCD-based X-ray detector with high-brilliance and high-intensity X-ray	2000B0463 -NML -np	K. Ito
High resolution data collection for Fis mutant V13C	2000B0587 -UL -np	L. Tsai
Structural study on a reductoisomerase from Escherichia coli	2000B0590 -UL -np	S. Yajima
Crystal structure analysis of cell division inhibitor MinD by MAD method	2000B0592 -UL -np	N. Sakai
Structure analysis of fructose-1,6-bisphosphataseI by MAD method using Se-Met derivative	2000B0593 -UL -np	T. Tada
X-Ray Crystallographic Study of Catalase-peroxidase from Cyanobacteria	2000B0594 -UL -np	T. Tada
Crystallographic study of a 32K fragment of flagellar hook protein	2000B0595 -UL -np	K. Imada
Crystal structure analysis of prokaryotic ribosomal protein L5 and 5S rRNA complex	2000B0596 -UL -np	T. Nakashima
Data Collection of Se-Met derivative of γ -glutamylcysteine synthetase from Escherichia coli B	2000B0597 -UL -np	T. Hibi
Crystal structure analysis of isopropylmalate isomerase by MAD method	2000B0599 -UL -np	T. Kirita
Crystallization and preliminary X-ray crystallographic study of bleomycin complexed with DNA fragments	2000B0601 -UL -np	O. Matsumoto
X-ray crystallography of RNA polymerase from Thermus thermophilus	2000B0602 -UL -np	S. Sekine

X-ray Crystallography of the complex of epidermal growth factor (EGF) and EGF receptor	2000B0606 -UL -np	O. Nureki
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BL43IR

Development of application techniques and measurements of a disease tissue to FT-IR microscopy (Part II)	2000B0013 -CL -np	N. Miyoshi
Industrial applications of Micro-infrared Spectroscopy	2000B0047 -NS -np	N. Nagai
Optical Study on Metal-Insulator-Superconducting Transition of Organic Conductor BEDT-TTF Coordination	2000B0051 -NS -np	S. Kimura
Adjustment of magneto-optical station of BL43IR	2000B0052 -NMS -np	S. Kimura
IR absorption spectra of minerals under high temperature and high pressure with HTDAC	2000B0066 -CS -np	K. Shinoda
Development of Surface Vibrational Spectroscopy using Synchrotron Radiation and Electron Spectroscopy Techniques	2000B0098 -CMS -np	M. Sakurai
Development of infrared microscope under high pressure	2000B0133 -CS -np	T. Nanba
Development of infrared microscope under high pressure at low temperature and application to solid state spectroscopy	2000B0135 -NS -np	T. Nanba
Evaluation of BL43IR surface science station for IRAS study	2000B0174 -CS -np	T. Moriwaki
Infrared Spectroscopy of Black P under High-Pressure	2000B0179 -NS -np	Y. Akahama
The imaging of unreadable Bokusho(carbon ink documents) using FT-IR	2000B0196 -NOS -np	Y. Sato
Infrared spectroscopic study on the lattice vibrations in molybdenum oxide Mo_4O_{11}	2000B0225 -NS -np	H. Negishi
Preparation for time-resolved experiments using synchronized infrared SR and psec pulsed laser at BL43IR	2000B0260 -CS -np	H. Okamura
Laser-excited, time-resolved infrared spectroscopy of GaAs quantum wells	2000B0261 -NS -np	H. Okamura
High Resolution Measurements of CN- Vibrational Spectra in CsX:CN (X=Br,I) Crystals	2000B0395 -CS -np	H. Nakagawa
Construction of the Absorption and Reflection Spectroscopy Station at Infrared Materials Science	2000B0396 -CS -np	K. Fukui
Development of high-resolution, transient and far-infrared absorption spectroscopy in slow-time region	2000B0574 -CS -np	Y. Kondo
Spatial resolution and its wavelength dependence of the infrared microspectroscopy of BL43IR	2000B0575 -CS -np	Y. Kondo

BL44B2

Dynamical X-ray Imaging of Single DNA molecules	2000B0043 -CL -np	Y. Sasaki
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BL45XU

Sizing of the human dihydrolipoyl acetyltransferase and its complexes	2000B0006 -NL -np	T. E. Roche
An X-ray Diffraction Study on a Rat Right Ventricular Papillary Muscle during Isotonic Shortening	2000B0033 -NL -np	H. Suga
X-ray diffraction studies on the structural changes of smooth muscle myosin subfragment-1 diffused into single skeletal muscle fibers	2000B0126 -NL -np	H. Iwamoto
Equatorial X-ray diffraction pattern of muscle recorded by using pinhole-generated microbeams	2000B0128 -NL -np	H. Iwamoto
Structural changes induced by calcium ions on the stretched skinned fibers at rigor condition	2000B0150 -NL -np	S. Takemori
Molecular Dynamics and Self-Organization of Organogelators	2000B0228 -NOL -np	K. Sakurai
Characterization of the Early Folding Intermediates of Cytochrome c and Ribonuclease A Using Small Angle X-ray Scattering and Fast Solution Mixer	2000B0435 -NL -np	S. Takahashi
The application of microstrip gas chamber on muscle research	2000B0495 -NM -np	H. Toyokawa
Investigation of Re-orientation for Nylon on Iodine-doping. II.	2000B0570 -CDL -np	A. Kawaguchi

BL46XU

Study on Ultra-thin-insulator Structure by X-ray Scattering	2000B0057 -ND -np	H. Satake
Au L x-ray anisotropy in photoionization	2000B0089 -NS -np	H. Yamaoka
Measurements for ultra rapid X-ray crystal structure analysis using MSGC	2000B0456 -NM -np	A. Ochi

BL47XU

Development of a Grazing Incidence Optics for X-Ray microbeam System	2000B0109 -NM -np	A. Takeuchi
Development of a Three-Beam Case X-Ray Interferometer	2000B0155 -NM -np	A. Yoneyama
Performance Test of X-ray Scanning Microscopy with Sputtered-sliced Zone Plate	2000B0166 -NM -np	Y. Suzuki
Fabrication and Characterization of the high resolution Sputtered-sliced Fresnel zone plate	2000B0168 -NM -np	N. Kamijo
Electron correlation effects on L X-rays following photoionization	2000B0188 -NS -np	Y. Zou
Energy dependence of the K-shell double photoionization processes	2000B0189 -CS -np	M. Oura
X-Ray Holography with a Point Source Produced by Glass Rod Reflectors	2000B0400 -NM -np	N. Watanabe
Development of X-ray CT system with high spatial resolution detector	2000B0516 -NM -np	K. Uesugi