

## Table of Contents

### Preface

Director, RIKEN SPring-8 Center

### SPring-8/SACLA

1. Accelerator.....	1
2. Control System.....	2
3. Operation Status (SPring-8, SACLA) .....	5
4. Beamlines .....	8
5. End Stations	
5-1. Public Beamlines	
BL01B1 XAFS.....	15
BL02B1 Single Crystal Structure Analysis.....	18
BL02B2 Powder Diffraction .....	20
BL04B1 High Temperature and High Pressure Research.....	23
BL04B2 High Energy X-ray Diffraction .....	26
BL08W High Energy Inelastic Scattering.....	29
BL09XU HAXPES .....	31
BL10XU High Pressure Research.....	35
BL13XU Surface and Interface Structures .....	38
BL14B2 Engineering Science Research II.....	41
BL19B2 Engineering Science Research I.....	44
BL20XU Medical and Imaging II.....	47
BL20B2 Medical and Imaging I .....	50
BL25SU Soft X-ray Spectroscopy of Solid .....	53
BL27SU Soft X-ray Photochemistry .....	56
BL28B2 White Beam X-ray Diffraction.....	58
BL35XU Inelastic and Nuclear Resonant Scattering.....	61
BL37XU Trace Element Analysis.....	65
BL39XU Magnetic Materials.....	68
BL40XU High Flux .....	71
BL40B2 Structural Biology II.....	74
BL41XU Structural Biology I.....	76
BL43IR Infrared Materials Science .....	79
BL45XU Structural Biology III .....	81

BL46XU Engineering Science Research III .....	84
BL47XU Micro-CT.....	88
5-2. RIKEN Beamlines.....	92
BL05XU R&D-ID.....	93
BL17SU RIKEN Coherent Soft X-ray Spectroscopy.....	96
BL19LXU RIKEN SR Physics .....	100
BL26B1 RIKEN Structural Genomics I .....	102
BL26B2 RIKEN Structural Genomics II .....	104
BL29XU RIKEN Coherent X-ray Optics .....	106
BL32XU RIKEN Targeted Proteins.....	108
BL32B2 R&D-BM.....	111
BL36XU RIKEN Materials Science II .....	113
BL38B1 RIKEN Structural Biology I.....	116
BL43LXU RIKEN Quantum NanoDynamics .....	118
BL44B2 RIKEN Materials Science I.....	122
5-3. Contract Beamlines	
Japan Atomic Energy Agency (JAEA)	
BL22XU JAEA Actinide Science I.....	124
BL23SU JAEA Actinide Science II .....	130
National Institutes for Quantum Science and Technology (QST)	
BL11XU QST Quantum Dynamics I.....	134
BL14B1 QST Quantum Dynamics II.....	139
Hyogo Prefecture	
BL08B2 Hyogo BM.....	142
BL24XU Hyogo ID.....	144
SUNBEAM Consortium	
BL16XU SUNBEAM ID .....	147
BL16B2 SUNBEAM BM .....	150
Institute for Protein Research, Osaka University	
BL44XU Macromolecular Assemblies .....	153
Research Center for Nuclear Physics, Osaka University	
BL31LEP Laser-Electron Photon II.....	158
National Synchrotron Radiation Research Center	
BL12XU NSRRC ID .....	160
BL12B2 NSRRC BM.....	163
Advanced Softmaterial Beamline Consortium	

BL03XU Advanced Softmaterial .....	167
The University of Tokyo	
BL07LSU The University-of-Tokyo Outstation Beamline for Materials Science.....	169
TOYOTA Central R&D Labs	
BL33XU TOYOTA.....	173
Kyoto University	
BL28XU Advanced Batteries.....	176
5-4. SACLA Beamlines .....	179
6. Data/Network .....	184
7. Industrial Use .....	186
8. Committees.....	189
9. Safety.....	193
10. Infrastructures .....	196

## Appendix

1. Organization Chart .....	200
2. Budget .....	201
3. International Cooperation.....	202