## Experimental Facilities



## EXPERIMENTAL FACILITIES

1. Newly Developed Experimental Facilities  1-1 Overview	67
1-2 BL-6A: Small Angle X-Ray Scattering Beamline	
1-3 New Diffractometers Developed for Resonant Soft X-Ray Scattering Experiments at BL-16A and 11B	
	70
2-1 Overview	
2-2 Target Proteins Research Program (FY2007-2011)	
2-3 Highlights on In-House Structural Biology Research	
2-4 Beamlines and Technology Developments for Macromolecular Crystallography	
3. Condensed Matter Research Center	76
3-1 Overview	
3-2 Hybridized Orbital Ordering Project – Orbital Hybridization Ordering Study in Strongly Correlated Electron System and the External Field Effect	
3-3 Geometrical Correlation Project	
3-4 Molecular Crystal Project	
3-5 Surface/Interface Project – Crystalline, Magnetic and Electronic Structures at the Surface and Interface of Magnetic Thin Films and Multilayers	е
3-6 Extreme Conditions Project	
3-7 Soft Matter Project	
4. The Slow Positron Facility	80
4-1 Production of Energy Tunable Positronium Beam	
4-2 RHEPD Experiments	
4-3 Positronium Time-of-Flight Experiments	
5. IMSS Instrument R&D Team	83
6. Summary of Experimental Stations	84