

## PREFACE

This report presents 654 results of non-proprietary experiments conducted using SPring-8 public and contract beamlines during the period September 2003 through February 2004 which is the twelfth research term (2003B). SPring-8 opened for research in October 1997 and holds two research terms per year for users. Experiments of the Priority Research Proposals came into operation from this research period. The Priority Research Proposal intends to introduce a strategic approach to research at SPring-8 in order to produce more research results.

For the public use, they include 396 General Proposals, an Urgent Proposal, 7 Long-term Proposals [8 reports]. Two long-term proposals were started in this research period. Fifty-one Nanonet Proposals and 23 Trial Use Proposals were carried out as the Priority Research Proposals. All results of Protein 500 Proposals will be made public at the end of the Protein 3000 Project. Four Power User Priority Research Proposals (Power User Proposals) were started in this research period. These proposals carried out using 25 public beamlines and 7 other beamlines.

Furthermore, 127 non-proprietary uses were carried out using 9 contract beamlines.

Forty-four proposals were carried out in the beam time kept for SPring-8 staff in the 3 R&D beamlines and public beamlines.

SPring-8's public and contract beamlines are available for proprietary and non-proprietary researches, respectively. In the case of proprietary research, there is a charge for beam time but no obligation to make the results of experiments open to the public. In this research term, 15 and 27 proprietary uses were carried out in the public beamlines and contract ones, respectively.

After each research term, SPring-8 publishes the non-proprietary research results submitted by users in their experimental report forms. In some cases, users continued with their analysis after the 60-day reporting deadline; consequently the contents included here may not always reflect full pictures of experimental achievements.

SPring-8 hopes that the information in this report is useful. If you have any questions, comments or requests for further details, please contact the SPring-8 Users Office.