

# INTRODUCTION

This report presents results of non-proprietary experiments conducted at SPring-8 public beamlines during the six months after the facility opened for research in October 1997.

SPring-8's public beamlines are available for proprietary and non-proprietary research. In the case of proprietary research, there is a charge for beamtime but no obligation to place the results of experiments in the public domain. However, users who conduct non-proprietary research and submit a completed experimental report form to SPring-8, not more than 60 days after the end of their experiment, do not have to pay for beamtime.

SPring-8 holds two calls per year for applications to use its public beamlines. Each call invites applications to conduct research during a specified six-month research period.

After each six-month research period, SPring-8 publishes the non-proprietary research results submitted by users in their experimental report forms. This document covers SPring-8's first research period, when a number of experiments were concerned with testing research capabilities or comparing performance characteristics with other synchrotron radiation facilities. In some cases, users continued with their analysis after the 60-day reporting deadline; consequently the material included here may not always reflect a full picture of experimental achievements.

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

## *Public Beamline Application Timetable:*

Deadline for Applications	January 10, 1997
Final Selection	April 1997
Beamtime Allocation	September 1997
Research Period	October 10, 1997 - March 27, 1998

*User Operation (October 1997 through March 1998)*

Cycle Number	Operation Period	User Beam Time (Hour)	Number of Experiments	Number of Users	Mode of Operation
97-08	10.08.97-10.17.97	168	14	55	8GeV, <20mA, multi-bunch, 2weeks
97-09	10.22.97-10.31.97	168	20	71	8GeV, <20mA, multi-bunch, 2weeks
97-10	11.05.97-11.14.97	167	23	91	8GeV, <20mA, multi-bunch, 2weeks
97-11	11.19.97-11.28.97	168	18	103	8GeV, <20mA, multi & 21bunch, 2weeks
97-12	12.03.97-12.19.97	311	39	169	8GeV, <20mA, 21bunch, 3weeks
98-1	2.18.98- 2.27.98	( no user beam time )			commissioning of new beamlines
98-2	3.04.98- 3.13.98	168	21	74	8GeV, <20mA, multi-bunch, 2weeks
98-3	3.18.98- 3.27.98	167	23	118	8GeV, <20mA, multi-bunch, 2weeks