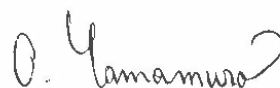


PREFACE

This is the 28th issue of the “Activity Report on Neutron Scattering Research” which describes the experiments performed under the General-User Program (GUP) of Neutron Science Laboratory, Institute for Solid State Physics, The University of Tokyo. The GUP is conducted with 12 university-owned spectrometers installed at the research reactor JRR-3 of Japan Atomic Energy Agency (JAEA) in Tokai.

JRR-3 restarted in February 2021 after long shutdown caused by the earthquake in 2011 and the normal GUP came back from July 2021. During the shutdown period, we made a lot of efforts on upgrading the instruments and neutron beam circumstances, e.g., the installation of focusing collimation systems, polarization optics, and non-magnetization neutron shield for high magnetic field experiments. The neutron guides in the Guide Hall have also been upgraded by replacing the previous ones with super-mirror guides. These upgrades resulted in increase in neutron beam flux several times. In addition, we are promoting various rationalization and efficiency in the experimental support (remote operation, web-camera monitoring, etc.) and the GUP administration (web-based applications, etc.). As new attempts, the student proposal began in 2022 and the international proposal will begin from 2023. In 2022, we had 7 operation cycles and 166 days of beam time. 145 experiments, selected from 166 proposals by NSPAC, were performed and many significant results were obtained.

The General-User Program is supported by Nuclear Professional School, The University of Tokyo which is a university representative to interface with JAEA. We thank both Nuclear Professional School Center and JAEA for their strong support. The present volume cannot be issued without the devoted contribution from users, contact persons and editors.

A handwritten signature in black ink that reads "O. Yamamuro". The signature is written in a cursive style and is enclosed in a thin black rectangular border.

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