



Call for Proposals of Materials and Life Science Researches at RIKEN Nishina Center (No. 19)

September 17, 2019

Hideto En'yo

Director of Nishina Center for Accelerator-Based Science, RIKEN

This is the call for proposals of experiments on materials and life science studies at the RI Beam Factory (RIBF) and the RIKEN muon facility at Rutherford-Appleton Laboratory in UK (RIKEN-RAL) of RIKEN Nishina Center for Accelerator-Based Science (RNC).

The Program Advisory Committee for Materials and Life Experiments (ML-PAC) is being organized for evaluation of experimental proposals in fields of atomic physics, materials science, chemistry, biology and medical researches, either new proposals or continuation of on-going experiments, at RNC-RIBF and RIKEN-RAL.

Some notices for the applicants are as follows:

- (1) We call for proposals of
 1. Experiments at the RIBF and RAL accelerator facility,
 2. Beam time request for development of experimental equipment, and
 3. Construction of large size instrumentations whose feasibility study has been completed.

Please note that the facility use must be limited to non-military purposes.

- (2) Submission of proposals,

For the RIBF proposals:

The proposal must be written in English and contain a cover sheet that can be downloaded from the web site: <http://www.nishina.riken.jp/RIBF/ML-PAC/index.html>.

You may add detailed information on the proposed experiment, whose format is free. Please specify if you have a full-time person at RIKEN who can act as a liaison between you and RNC about your proposal. Proposal should arrive **by e-mail** at ML-PAC Secretariat by October 16, 2019.

For the RIKEN-RAL proposals:

Proposal submissions should be made through **the RAL/ISIS system** by October 16, 2019. Submitted proposals will be evaluated by the RIKEN ML-PAC.

Please visit <http://www.isis.stfc.ac.uk/apply-for-beamtime/apply-for-beamtime2117.html>, select "ISIS Online Proposal System". If you are a new facility user, please apply for your account as early as possible. Once you get your account, you can login the system; please select "RIKEN Access", then follow the instructions. Main text is usually limited to 2 pages. For technical development proposals, the committee may later contact you asking submission of additional detailed information.

- (3) Submitted proposals will be reviewed in principle *on the basis of the written proposal only*. When the PAC has critical questions regarding your proposal, the PAC Secretariat may contact you during the proposal preview process.
- (4) If you are planning to use the following facilities, you are requested to get in touch with the contact persons while preparing your proposal. Please note that the proposals utilizing BigRIPS/SRC at the RIBF facility should be submitted to Nuclear-Physics PAC (NP-PAC).

Facility	Contact person
• GARIS:	Kouji Morimoto (morimoto@riken.jp)
• RIPS:	Yuichi Ichikawa (yuichikawa@riken.jp)
• Other facilities in RNC-RIBF:	Atsushi Yoshida (ayoshida@ribf.riken.jp)
• Muon facility:	Katsuhiko Ishida (ishida@riken.jp) Isao Watanabe (nabedon@riken.jp)

- (5) Approved experiments are to be completed within two years in principle. If your experiment does not finish within the period, you must submit a request for an extension of time or a new experimental proposal.
- (6) For more information on the beam lines and experimental facilities, please visit our web site: <http://www.nishina.riken.jp/RIBF>.

If you have any questions, please contact the following personnel:

ML-PAC Secretariat
Nishina Center for Accelerator-Based Science
RIKEN
Hirosawa 2-1, Wako, Saitama, 351-0198, JAPAN
E-mail: mlpac-support@riken.jp

Key dates **Deadline of proposal submission: October 16, 2019**

The 19th ML-PAC Meeting: in December 2019 or January 2020 (TBD)