

December 10th, 2018

**To: Users of TRIUMF's Molecular and Materials Science and PIF & NIF Programs**

**Subject: CALL FOR PROPOSALS FOR THE TRIUMF MOLECULAR AND MATERIALS SCIENCE EXPERIMENT EVALUATION COMMITTEE**

The DEADLINE for receipt of New Proposals and Progress Reports for  $\mu$ SR,  $\beta$ -NMR and PIF & NIF experiments has been extended. The new date is firm at:

**Tuesday, December 18<sup>th</sup>, 2018  
(Midnight (23:59), Vancouver time)**

The next evaluation of proposals by the TRIUMF Molecular and Materials Science Experiments Evaluation Committee (MMS-EEC) will take place on:

**Monday, January 21<sup>st</sup> and Tuesday, January 22<sup>nd</sup>, 2019**

If you would like to submit a proposal to be reviewed at the January 2019 MMS-EEC meeting, please be sure to follow the instructions below and adhere to the deadline.

1. Please remember TRIUMF has moved to an 8-hour shift pattern; make sure your requested beam time uses 8-hour shifts.
2. In the Spring/Summer schedule 2019 (Schedule 136), the anticipated start of BL2A (radioactive beam from ISAC) will be 8 weeks later than usual due to critical ARIEL project activities taking precedence over RIB operations. This means that the amount of  $\beta$ -NMR beam time in 2019 will be reduced to a total of 4 weeks. Cyclotron operations and PIF & NIF will commence mid-April.  $\mu$ SR experiments will begin at the beginning of May 2019.
3. Spokespersons should submit a single proposal to request beam time for  $\mu$ SR experiments on different instruments or different sample environments. Spokespersons must submit separate proposals for  $\mu$ SR and  $\beta$ -NMR experiments. Spokespersons may submit a single proposal to request beam time on different PIF & NIF beamlines.
4. Progress Reports will only be considered if they are directly related to the original proposal. A new experiment number should be requested if this is not the case. If there are any questions about whether a new experiment number is necessary, the spokespersons should discuss the matter with the head of the MMS-EEC (Robert Scheuermann) and the Scientific Secretary (Iain McKenzie).
5. In order to ensure that shifts are used in a timely fashion and to maintain a balance between shifts allocated and shifts used, allocated shifts will automatically disappear 2 years after being awarded if they have not been used. Previously allocated shifts on the M9B beamline will be exempt from automatic expiry until the replacement M9H beamline is fully operational.

6.  $\mu$ SR and  $\beta$ -NMR/ $\beta$ -NQR experiments run 24-hours a day. Please ensure that you have sufficient manpower to staff your experiment. The Centre for Molecular & Materials Science (CMMS) recommends at least three people per experiment to be present at TRIUMF.
7. Spokespersons submitting several proposals that are requesting a significant fraction of the available  $\mu$ SR or  $\beta$ -NMR/ $\beta$ -NQR beam time in Schedule 136 are asked to provide priorities for their proposals and rationale. The committee will take this into account.

### New Proposals

- **Spokespersons:** Before you can proceed, you must contact the Science Divisions office at [sciencediv@triumf.ca](mailto:sciencediv@triumf.ca). The Science Divisions Administrative Assistant (Allayne McGowan) will issue you an experiment number. You will need to include the Spokespersons' name and contact information as well as the title of your proposed experiment. After you receive an experiment number, please contact TRIUMF Admin Computing by filling out the online form at <https://mis.triumf.ca/identity/request/nonemployee.jsf> to receive a TRIUMF Login and password (if you do not already have one).
- Proceed to the Spokespersons' Portal to start your online submission at <https://mis.triumf.ca/science/experiment/spokesperson/list.jsf>.
- Follow the [detailed instructions](#), which we ask that you read carefully before beginning your submission.

### Progress Reports

- Progress reports are required for all ongoing experiments that have not been reviewed since January 2017, and all approved experiments for which additional beam time is requested.
- **Spokespersons:** Go to the Spokespersons' Portal at <https://mis.triumf.ca/science/experiment/spokesperson/list.jsf> and login with your TRIUMF Login to start your progress report. If you have a TRIUMF Login already, but cannot remember your username or password, you can reset it by visiting <https://mis.triumf.ca/identity> then click "Change Password" and "Forgot Password".
- Follow the [detailed instructions](#), which we ask that you read carefully before beginning your submission.

For planning purposes, we would like to be advised in advance if you are planning to submit a progress report. Please send an email to [sciencediv@triumf.ca](mailto:sciencediv@triumf.ca) at least one week before the deadline.

Both new proposals and progress reports must conform to the following rules:

- The proposal must include a clear statement of what beam time and facilities are requested, a confirmation of whether the proposed samples are in hand or not, a statement of what other characterization has been or will be carried out, and a clear justification for using muons and for the number of shifts requested. If you are unsure about any of this please contact the Scientific Secretary (Iain McKenzie), a [CMMS facility scientist](#) or the PIF & NIF facility coordinator (Mike Trinczek)

- The length of the Detailed Statement of Progress (for ongoing proposals) or Detailed Statement of Proposed Research (for new proposals) **must not exceed 4 pages (with figures and references included)**. The font size should be Times New Roman 12 pt or equivalent. Publications should not be included as part of the proposal; they should be cited in the references.
  - **A proposal that exceeds this 4-page limit and/or uses smaller fonts will not be evaluated by the MMS-EEC.**
- References must accompany the proposal. The committee makes regular use of those references to assist it in assessing the scientific merit of a proposal. Failure to provide references will therefore typically undermine a proposal.
- The Detailed Statement of Progress should refer to comments made by the committee concerning previous proposals. The same is true for new proposals that are closely related to a past experiment. Failure to respond to the comments of the committee will therefore typically undermine a proposal.
- In addition to those 4 pages, a single page list of selected publications by the spokesperson(s) should be included. The papers listed should be of direct and immediate relevance to the scientific nature of the proposal. This list should include (i) published or submitted papers which present results obtained from the given (and previously approved) beam time for the pertinent experiment and/or (ii) papers which pertain to investigations from other experiments of relevance to the proposal (including  $\mu$ SR or  $\beta$ -NMR), but not directly resulting from beam time allocation for the given proposal. The committee does not want to see a spokesperson's career-long publication list attached to the proposal.
  - **A proposal that includes more than 1 page of publications from all the spokespersons will not be evaluated by the MMS-EEC.**
- The MMS-EEC no longer accepts presentations. The spokesperson(s) must ensure the proposal contains all the relevant information for the committee's deliberations as no additional material can be submitted.
- Proposers should check to see that the work that they propose has not already been submitted to TRIUMF and approved for another  $\mu$ SR or  $\beta$ -NMR group.
  - **Under most circumstances, the MMS-EEC will not approve separate, independent groups to study the same materials under very similar experimental configurations or try to divide the study of a particular material among two (or more)  $\mu$ SR or  $\beta$ -NMR groups proposing relatively minor variations in experimental configurations (i.e., sample orientation, applied fields, etc.).**

Any problems during the submission process should be reported to the Science Divisions office at [sciencediv@triumf.ca](mailto:sciencediv@triumf.ca) (or call 604-222-7438 for assistance).

The following direct links should be helpful:

Link to Call for Submissions:

<http://www.triumf.ca/research-program/planning-experiments/experiment-approval/call-for-submissions-agendas>

Link to Guides and Forms:

<http://www.triumf.ca/research-program/planning-experiments/how-submit-proposal/mms-eec-process>

Link to EEC Committee Information:

<http://www.triumf.ca/research-program/planning-experiments/experiment-approval/about-molecular-materials-science>

Members of the Molecular and Materials Science Experiments Evaluation Committee are:

**Chair:** Robert Scheuermann – Paul Scherrer Institute (Villigen, Switzerland)

**Secretary:** Iain McKenzie – TRIUMF and Simon Fraser University

**Members:** Cristian Batista – University of Tennessee, Knoxville (Knoxville, USA)  
Sean Giblin – Cardiff University (Cardiff, Wales)  
Michel Gingras – University of Waterloo (Waterloo, ON, Canada)  
Young-June Kim – University of Toronto (Toronto, ON, Canada)  
Mark Lumsden – Oak Ridge National Laboratory (Oak Ridge, USA)  
John Ripmeester – National Research Council of Canada (Ottawa, ON)  
Jun Sugiyama – Toyota Central R & D Labs Inc. (Nagoya, Japan)

**END OF CALL FOR SUBMISSIONS**