May 2, 2013

To: Users of TRIUMF's Subatomic Physics Facilities
TRIUMF Subatomic Experiments Evaluation Committee Meeting

SUBJECT: NOTICE OF TRIUMF SUBATOMIC PHYSICS EEC MEETING – JULY 2013

The next meeting of the TRIUMF Subatomic Physics Experiments Evaluation Committee (SAP-EEC) will take place on:

Friday & Saturday, July 19th & 20th, 2013

The DEADLINE for receipt of New Proposals and Progress Reports is firm at:

Wednesday, June 12th, 2013
(Midnight, Vancouver time)

If you would like to submit a proposal for review for the July 2013 meeting, please be sure to follow the instructions below and adhere to the deadline.

Please note that we are explicitly inviting proposals for high-mass accelerated beams. Guidelines for estimating the post-accelerated yields are provided online here (see CSB Guidelines). Please use the transmission numbers and the web-tool to estimate the on-target intensities and major contaminations.

Call for Letters of Intent for DESCANT/TIGRESS and for EMMA
We are explicitly inviting Letters of Intent for experiments that would want to take advantage of the new DESCANT neutron detector array or the EMMA recoil separator.

DESCANT is designed to be coupled with TIGRESS and will be commissioned in 2013. For detailed information on DESCANT and its capabilities and to discuss collaboration on DESCANT experiments, please contact Paul Garrett (pgarrett@physics.uoguelph.ca).

EMMA will become operational in 2014 with first commissioning experiments. For detailed information on EMMA and its capabilities and to discuss collaboration on EMMA experiments, please contact Barry Davids (davids@triumf.ca).

Please be reminded that if your active proposal has not obtained beam time since July 2011 and has not been scheduled in Schedule 124 your approved high priority shifts will expire unless you submit a status report and obtain EEC approval. Shifts for medium priority experiments will expire in any case automatically and an extension cannot be requested.

The Subatomic Physics EEC approval process has two approval processes available, depending on whether your proposal is a:

Letter of Intent (LoI):
Describes the intent to carry out a certain experiment or scientific program for which a substantial extension of the facility capabilities is needed. These extensions include development of certain beams with sufficient intensities and purities new experimental capabilities, such as major new equipment or new techniques. LoIs should provide an estimate of the amount of beam time necessary to carry out this program. In particular for long-term programs that would require large amounts of beam time it is important for TRIUMF and the EEC to be aware of such needs.

The EEC evaluates the scientific and technical merit and judges - with input from the facility - the general feasibility of the proposed research, explicitly taking into account the approximate amount of beam time required.

For experimental or beam production facility upgrades that have a significant impact on TRIUMF either during the upgrade or in subsequent operation a Project Charter Sheet should be submitted. The LoI and EEC report would be part of the input to the Gate Review process.

The EEC may **endorse the LoI with high or medium priority (1 and 2 respectively) OR not endorse an LoI**, which is deemed technically unfeasible, or if the scientific case does not have sufficient merit.

The endorsement of a LoI signals that the EEC and TRIUMF support the general experimental program proposed and expects that competitive proposals for this program will be submitted on the timeline presented in the LoI. Any beam development needs for the proposed program will be entered into the beam development plan (see below). The proponents are encouraged to seek funding for and complete any planned technical developments. The proponents are expected to submit proposals for experimental shifts once readiness of beam(s) and experimental equipment has been established.

Please note that the endorsement of a LoI does not guarantee the acceptance of proposals based on the developments proposed in the LoI but these proposals will be judged on their scientific merit at the time of submission and in comparison to other submissions. **TRIUMF management will communicate the support for an endorsed LoI to NSERC and other funding agencies, as required.** Once LoIs have been reviewed there is no follow-up directly related to the LoI. New proposals related to the LoI will individually obtain experiment numbers that are not connected to the LoI. Reference to the LoI can and should be made in the proposals where appropriate.

Proposal:
Proponents ask for allocation of a number of shifts for a clear scientific case on the basis of the best estimate of achievable beam intensities. Beam should be expected with reasonable certainty to be available within 2 years, i.e. no major new developments needed.

Technically the experiment should be convincingly mature to successfully run. New equipment should have been successfully commissioned. If it uses only well-established standard technologies an explicit commissioning may not be needed. The EEC will review proposals and either: **approved** with **high or medium priority** and allocate a certain number of shifts (please note that the medium-high category has been abandoned); **not approved** if deemed technically unfeasible, if the scientific case has not sufficient merit; or if beam time is limited and the scientific case is less compelling than that of other proposals submitted the EEC may **defer** the experiment if the EEC feels that the information presented is not sufficient or the EEC feels it has not sufficient expertise to judge the case and as a result recommends that an external expert review is conducted.

After 2 years the proponents must submit a status report if they have not run the experiment and the proposal expires unless the EEC sees a special reason to keep it active. The maximum number of RIB shifts approved per EEC meeting is 50% of the maximum RIB beam time delivered per year. Currently that corresponds to 106 RIB shifts that can be approved at the July EEC meeting.

RIB beam developments:
The Beam Strategy Committee has developed and published a **Beam Development Plan** based on the EEC recommendations for approved proposals and endorsed LoIs, the technical difficulties associated with the developments, a mid-term strategy for the development of new target materials, ion sources, purification methods, as well as the target module refurbishing plan.

RIB beam developments and yield measurements will be performed on the basis of the plans agreed upon by the Beam Strategy Committee. Written reports on the measured yields will be submitted to the chair of the Beam Priorities Committee. The measured yields will be posted in the ISAC yield database and in updates of the Beam Development Plan.

The Beam Strategy Committee will report regularly to the SAP-EEC on the achievements of the beam developments. The success of developments will be measured against the beam development plan. Reports on beam developments will also be given to the TUG at their AGM.

For 2013 major development efforts will concentrate on the implementation of a RILIS-RFQ system to suppress surface ionized contaminants, the further development of clean high-mass accelerated RIBs, as well as the development of high intensity Ne and F beams.

The Beam Development Plan is published online and updated regularly, at least after every SAP-EEC to include the new EEC recommendations. The current version of the Beam Development Plan can be found at:
http://www.triumf.ca/research-program/planning-experiments/resources-while-planning

For a list of beams available, please visit:
http://www.triumf.info/facility/research_fac/yield.php?choose=element

For New Research Proposals or Letters of Intent

Spokespersons: Before you can proceed, you must contact the Science Division office at sciencediv@triumf.ca (604-222-7438), please include the spokespersons names, contact information, and name of the experiment. The division's Administrative Assistant will issue you an experiment number. After you receive a number, you will need to be issued a Secure Access ID which you can apply for online at https://mis.triumf.ca/identity/request/nonemployee.jsf. If you have a Secure Access ID already, but cannot remember your username or password, please contact TRIUMF Computing at mis@triumf.ca or 604-222-7437 to have it reset.

Proceed to the online submission website at
https://mis.triumf.ca/science/experiment/spokesperson/
Please follow the on-screen instructions, which we ask that you read carefully before beginning your submission (they can be found on the "How To Submit a Proposal" page http://www.triumf.ca/research-program/planning-experiments/how-submit-proposal/sap-eec-process).

Progress Reports

Spokespersons: Go to:
https://mis.triumf.ca/science/experiment/spokesperson/
Log in to the online system with your Secure Access ID and password. (If you do not know your Secure Access ID and password, please contact TRIUMF Computing at mis@triumf.ca or 604-222-7437) or fill out the online form at
https://mis.triumf.ca/identity/request/nonemployee.jsf

Please follow the on-screen instructions, which we ask that you read carefully before beginning your submission (they can be found on the "How To Submit a Proposal" page http://www.triumf.ca/research-program/planning-experiments/how-submit-proposal/sap-eec-process).

Any problems or bugs during the submission process should be reported to the Science Division office at sciencediv@triumf.ca (or by telephone at 604-222-7438).

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/sap-eec-process

Link to EEC Committee Information:
http://www.triumf.ca/research-program/planning-experiments/experiment-approval/about-subatomic-physics

Members of the Subatomic Experiments Evaluation Committee are:

Chair: Alfredo Galindo-Uribarri – Oak Ridge National Laboratory, USA

Secretary: Petr Navratil – TRIUMF, Canada

Members: Roderick Clark – Lawrence Berkeley National Laboratory, USA
Alejandro Garcia – University of Washington, USA
Adam Garnsworthy – TRIUMF, Canada
Takashi Nakatsukasa – RIKEN Nishina Center, Japan
Karsten Riisager – Aarhus University, Denmark
Guy Savard – Argonne National Laboratory, USA
Hendrik Schatz – NSCL Michigan State University, USA

Ex-officio: Reiner Kruecken – TRIUMF, Canada