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Simon Fraser University
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University of Victoria
Western University
University of Winnipeg
York University

January 23rd, 2020

To: Experimental Spokespersons and Users
Operations
Division Heads

RE: Call for μSR, βNMR/βNQR and PIF&NIF Beam Requests for Summer 2020 (Schedule 138)

We hereby invite beam requests for μSR, βNMR/ βNQR and PIF&NIF experiments for the first part of Schedule 138 (April 10th to September 8th, 2020). We are only considering requests for μSR experiments using surface muons on the M15 and M20 beam lines.

Allocated shifts can be seen on the Science Applications Dashboard: https://mis.triumf.ca/science/dashboard.jsf There is a separate tab for each experiment and the number of shifts that are available to be requested are shown under **Beam remaining**. The MMS-EEC was held on Monday January 20th and Tuesday, January 21st, 2020. Shifts allocated at this meeting, as well as those allocated at previous MMS-EEC meetings, are available to be requested in Schedules 138. Note that we are now routinely operating with an 8-hour shift pattern. All requests should be in the form of 8-hour shifts. Please note that shifts awarded by the MMS-EEC expire two (2) years after they have been awarded.

Experiments on the DR spectrometer that require accurate zero magnetic field will be grouped together at the beginning of DR run block. No magnetic field will be applied before or during this period. Experiments requiring less stringent zero magnetic field (about 0.5 G) and LF or TF fields will be accommodated later in the beam schedule. Experiments that require both accurate zero magnetic field and LF or TF measurements will have to be split into two parts. Please make sure to include these requirements in your beam request.

Considering operational limitations with ISAC targets, and after consultation with the TRIUMF Users Group, we have decided to include in Schedule 138 a single block of backed up Uranium-Carbide (UCx) targets (with surface and laser ionization), which are suitable for ^{31}Mg βNMR. This means that if a target or module should develop a severe technical issue within that period, immediate change to a waiting backup target and module will be performed, thus avoiding cancellation of scheduled experiments. The remainder of the schedule will include standard ISAC target materials, such as Ta or SiC, which are used for ^{8}Li βNMR. The exact dates of this block will depend on the beam requests that are submitted, though it is expected that the UCx block will be a maximum of 16 weeks long. This also means that the likelihood of further UCx targets with surface and laser ionization being scheduled in the Fall is very low, and users should bear this in mind when considering which experiments to request.

The deadline for requesting beam time during Schedule 138 is **Monday, February 17th, 2020 at 23:59 PST**. We plan to release a draft schedule on Monday, March 9th, 2020 and hold the final scheduling meeting for all stakeholders on Monday, March 16th, 2020.

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Please submit your beam requests for Schedule 138 using the online beam request application directly at https://mis.triumf.ca/science/beam/request/home.jsf or through the Experimenters' Dashboard at https://mis.triumf.ca/science/dashboard.jsf. Should you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Iain McKenzie
CMMS Beam Scheduler
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