TRIUMF

January 20, 2021

Call for Beam Requests for TRIUMF Schedule 140: Spring/Summer 2021

Dear TRIUMF Users & Staff,

We are now open to requests for beam time for Schedule 140: Spring/Summer 2021. This includes beam time on the Meson Hall channels and ISAC.

Schedule 140 is currently intended to run from April 9th until September 27th, with different beam line channels beginning delivery to users on various dates. The 500 MeV Cyclotron startup is scheduled for May 1st.

Experiments from the Molecular and Materials Science (MMS) and Subatomic Physics (SAP) pools should continue to use the Beam Requests tool at the Science Applications portal.

Experiments from the Life Sciences (LSPEC) pool should make their requests directly to Cornelia Hoehr (choehr@triumf.ca).

The deadline for all requests is Wednesday February 10th at 23:59 PST.

Due to the uncertainty from the current COVID-19 situation – in terms of future status of border closures, site occupancy levels etc – we cannot yet commit to a full open beam schedule for all users, including international groups. Therefore, we ask users to pay attention to the specific information below regarding the MMS and ISAC programs.

ISAC Experiments (Nuclear Physics, β-NMR, Life Sciences)

Stable beam (OLIS) will be available at ISAC on April 9th. Radioactive beam (RIB) will be available at ISAC on June 15th. ISAC experiments will be placed in Schedule 140 in two batches. The first batch will be announced in the draft schedule on March 2nd and will run until August 1st. This first batch will focus on local-led experiments that can be performed with a minimum number of local personnel, or with a component of remote running involving international collaborators. Users in doubt of their experiment status with respect to this should consult with their Facility Coordinator prior to requesting beam time. The second batch of experiments will be announced on June 1st and will run from August 1st – September 27th. Depending on the status of laboratory occupancy, international border access and quarantine protocols as of June 1st, this will either consist of local-focused experiments or be open to international groups as normal. We hope users will understand that this way of scheduling is intended to avoid significant schedule disruptions due to potential unknowns concerning the pandemic.

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Questions regarding the ISAC beam time can be directed to Chris Ruiz (ruiz@triumf.ca).

Meson Hall Experiments (Molecular & Materials Science, UCN and PIF/NIF)

We are only considering requests for μSR experiments using surface muons on the M15 and M20 beam lines. All the beam time from April 9th until September 27th will be scheduled and announced in the draft schedule to be released on March 2nd. The MMS-EEC was held on Monday January 18th and Tuesday, January 19th, 2021. Shifts allocated at this meeting, as well as those allocated at previous MMS-EEC meetings, are available to be requested in Schedule 140.

We are anticipating remote running in Schedule 140 for users outside of B.C. We request that users include information in the beam request about their plans for remote running, especially their plans to collaborate with local staff or users. On-site experimenters will need approval prior to visiting TRIUMF and must follow all safe working protocols and guidelines (https://www.triumf.ca/sites/default/files/Visitors-C19_OnePager_5.pdf).

Experiments on the DR spectrometer that require accurate zero magnetic field will be grouped together at the beginning of DR run block. Only small magnetic fields required for α calibration will be applied 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.

Questions regarding the Meson Hall beam time can be directed to Iain McKenzie for Materials Science (iainmckenzie@triumf.ca) or Michael Trinczek for PIF/NIF (trinczek@triumf.ca).

Sincerely,

Chris Ruiz (ISAC Beam Scheduler)

Iain McKenzie (MMS Beam Scheduler)

Michael Trinczek (PIF/NIF Beam Scheduler)

Cornelia Hoehr (Life Sciences Beam Scheduler)