

July 19, 2021

Call for Beam Requests for TRIUMF Schedule 141: Fall 2021

Dear TRIUMF Users & Staff,

We are now open to requests for beam time for Schedule 141: Fall 2021. This includes beam time on the Meson Hall channels and ISAC.

Schedule 141 is currently intended to run from October 8th until December 21st.

Experiments from the Molecular and Materials Science (MMS) and Nuclear Physics (NP) 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 Monday August 9th at 23:59 PST.

Due to the uncertainty in the future COVID-19 situation we cannot yet guarantee a full open beam schedule for *all* users, including international groups, however there are indications from the Government of Canada that travelers fully vaccinated with one of the vaccines approved for use¹ in Canada may be able to enter without quarantine after mid-September. Currently, users that are found eligible for entry to Canada under essential worker status would nominally be required to quarantine upon entry. However, fully vaccinated users *may* be eligible for a quarantine exemption. **If an international user's beam time is scheduled, they are requested to consult the Government of Canada's COVID-19 travel tool (<https://travel.gc.ca/travel-covid>)** once the schedule has been released to determine if they will be eligible for entry to Canada and under what provisions. Physical Sciences Division will also provide an invitation letter to assist with border entry. Please note that entry cannot be guaranteed, and users must acknowledge that they are aware of this prior to requesting time.

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

Radioactive beam (RIB) and Stable beam (SIB) will be available for the full duration of Schedule 141. We are considering all available ISAC target and ion source combinations.

¹ Pfizer-BioNTech (Comirnaty, tozinameran, BNT162b2), Moderna (mRNA-1273), AstraZeneca/COVISHIELD (ChAdOx1-S, Vaxzevria, AZD1222), Janssen/Johnson & Johnson (Ad26.COV2.S)

The NP-EEC was held on May 11th-13th, 2021. Shifts allocated at that meeting, as well as those allocated at previous NP-EEC meetings, are available to be requested in Schedule 141 and can be viewed on the [Science Applications portal](#).

Please submit separate requests for beam time on the β NMR and β NQR spectrometers.

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 μ SR experiments using surface muons on the M15 and M20 beam lines. μ SR experiments will run from October 8th until November 30th.

The MMS-EEC was held on Monday June 21st and Tuesday, June 22nd, 2021. Shifts allocated at this meeting, as well as those allocated at previous MMS-EEC meetings, are available to be requested in Schedule 141 and can be viewed on the [Science Applications portal](#).

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 Molecular and 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)