

January 22, 2024

Call for Beam Requests for TRIUMF Schedule 146: Summer 2024

Dear TRIUMF Users & Staff,

We hereby invite requests for beam time during Schedule 146, which will run from May 5th until October 7th, 2024. To request time, **Molecular and Materials Science (MMS)**, **Life Sciences (LSPEC)** and **Nuclear Physics (NP)** experimenters should use the Beam Requests tool at the [Science Applications portal](#).

The deadline for all requests is Monday February 19th at 23:59 PST.

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

We are considering scheduling targets for both production and development. In Schedule 146, we invite requests for all standard ISAC target and ion source combinations. The target choices and sequence are not yet fixed and will depend on forthcoming beam requests.

A NP-EEC meeting will be held on January 29th and 30th. Shifts allocated at that meeting, as well as those allocated at previous NP-EEC meetings, will be available for beam time requests in Schedule 146 and viewable on the [Science Applications portal](#).

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

Questions regarding ISAC beam time requests should 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 M9A, M15 and M20 beam lines. μ SR experiments will run from mid-May until October.

The MMS-EEC was held on Monday, January 15th. Shifts allocated at this meeting, as well as those allocated at previous MMS-EEC meetings, will be available to be requested in Schedule 146 and are visible on the [Science Applications portal](#).

Experiments on the DR spectrometer that require accurate zero magnetic field will be grouped together at the beginning of the 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).

120-day Rule for Visiting Experimenters from Abroad

For visiting experimenters, eligible researchers can enter and re-enter Canada within a 120-day time frame through the [short-term work permit exemption for researchers](#) as per section A25.2 of the Immigration and Refugee Protection Act (IRPA). The visitor will be provided with a TRIUMF Invitation Letter supporting the visit under the exemption, and this can be used for entry to Canada. No work permit is required.

This exemption can only be used for one (1) 120-day time frame within a 12-month period. If multiple visits are required within the year, a work permit will be required for additional visits. The exemption also does not apply for visits that are not for the purpose of research, and a work permit would be required for any entry to Canada. Work permits will be sought under the International Mobility Program as a [Labour Market Impact Assessment \(LMIA\) exempt work permit](#), and the visitor will be provided with a TRIUMF Invitation Letter to support their work permit application.

Given the above restrictions please consider this when planning or applying for multiple beamtimes over the year. Consult your TRIUMF local contact or Facility Coordinator if in doubt.

Sincerely,

Chris Ruiz (ISAC Beam Scheduler)

Iain McKenzie (MMS Beam Scheduler)

Michael Trinczek (PIF & NIF Beam Scheduler)

Cornelia Hoehr (Life Sciences Beam Scheduler)