February 4, 2025

Call for Beam Requests for TRIUMF Schedule 148: Spring-Summer-Fall 2025

Dear TRIUMF Users & Staff,

We hereby invite requests for beam time during **Schedule 148**. Unlike previous schedules, Schedule 148 will be a single duration beam schedule running from May until the end of the year, to ensure planning proficiency prior to the Long Shutdown 2026 (LS2026). Note that **Nuclear Physics (NP)** and **Life Sciences (LS)** experiments at ISAC will be scheduled all the way through the year, so this Call is the only opportunity to make a beam request for the remainder of 2025. **Molecular and Materials Science (MMS)** experiments in contrast, will announce a further Call for Beam Requests in the Summer**.** Experimenters should use the Beam Requests tool at the Science Applications portal to make their beam requests prior to the deadline.

The deadline for all requests is Monday February 24th at 23:59 PST.

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

In Schedule 148, we invite requests for all standard ISAC target and ion source combinations. The target list and sequence are not yet fixed and will depend on the beam requests. As per recent email guidance to nuclear physics experiment facility coordinators, we encourage focus on a manageable number of *high*-priority radioactive and stable beam nuclear physics beam requests, considering scientific timeliness, collaboration priorities, and student graduation timelines, in light of the forthcoming LS2026.

A Nuclear Physics EEC (NP-EEC) meeting was held on January 27th to 29th. Shifts allocated at that meeting, as well as those allocated at previous NP-EEC meetings, will be available for beam time requests in Schedule 148 in the next few days, and viewable on the Science Applications portal.

Please submit separate requests for beam time on the βNMR and βNQR 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 anticipating that μSR experiments on M15 and M20 will run from early June until the end of September. M9A will run in the early part of the summer. We will then be commissioning M9H, which will prevent M9A from running. We are anticipating that M9H will be available in the fall beam period, so we will not accept beam requests to run on M9H in this round.

The MMS-EEC was held on Tuesday, January 21st. Shifts allocated at that meeting, as well as those allocated at previous MMS-EEC meetings, are available to be requested in Schedule 148 and are visible on the Science Applications portal.

Experimenters need to ensure that they have sufficient personnel *on site* to run the experiment. Staffing of the experiment *must* be discussed with the local contact/TRIUMF member staff well before the beam time, otherwise we expect a minimum of two people to be available to come to TRIUMF during the run.

Publications that contain data obtained on CMMS beamlines must include a CMMS scientist as a coauthor. By requesting beamtime, you are agreeing to this stipulation.

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)

t 604.222.1047
www.triumf.ca

4004 Wesbrook Mall
Vancouver BC V6T 2A3 Canada