

January 24, 2023

Call for Beam Requests for TRIUMF Schedule 144: Spring/Summer 2023

Dear TRIUMF Users & Staff,

We are now open to requests for beam time for Schedule 144: Spring/Summer 2023. This includes beam time on the Meson Hall channels and ISAC.

Schedule 144 is anticipated to run from May 14th until October 3rd, 2023. BL2A is intended to be available for ISAC radioactive beam experiments from June 15th until October 3rd.

Experiments from the **Molecular and Materials Science (MMS)**, **Life Sciences (LSPEC)** and **Nuclear Physics (NP)** pools should continue to use the Beam Requests tool at the [Science Applications portal](#).

The deadline for all requests is Wednesday February 22nd at 23:59 PST.

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

Radioactive beams (RIB) from BL2A will be available circa June 1st. The first two weeks of RIB delivery will be devoted to FEBIAD ion source tests using a development target. These tests are required after repeated failures in 2022. In Schedule 144, we invite requests for all available ISAC target and ion source combinations except for those requiring a FEBIAD source.

The NP-EEC will be held from January 30th to February 1st, 2023. Shifts allocated at that meeting, as well as those allocated at previous NP-EEC meetings, will be available to be requested in Schedule 144 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 early June until the end of September.

The MMS-EEC will be held on Monday, January 23rd and Tuesday, January 24th. Shifts allocated at this meeting, as well as those allocated at previous MMS-EEC meetings, will be available to be

requested in Schedule 144 and will be visible on the [Science Applications portal](#) after the MMS-EEC meeting has finished.

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)