

July 21, 2023

Call for Beam Requests for TRIUMF Schedule 145: Fall 2023

Dear TRIUMF Users & Staff,

We hereby invite requests for beam time during Schedule 145, which will run from October 5th until December 22nd, 2023. 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 Friday August 11th at 23:59 PST.

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

We are considering scheduling targets for both production and development. In Schedule 145, 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 July 27th & 28th. Shifts allocated at that meeting, as well as those allocated at previous NP-EEC meetings, will be available for beam time requests in Schedule 145 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 Barry Davids (davids@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 mid-October until the beginning of December.

The MMS-EEC will be held on Tuesday, August 1st and Wednesday, August 2nd. Shifts allocated at this meeting, as well as those allocated at previous MMS-EEC meetings, will be available to be requested in Schedule 145 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 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).

Sincerely,

Barry Davids (ISAC Beam Scheduler)

Iain McKenzie (MMS Beam Scheduler)

Michael Trinczek (PIF & NIF Beam Scheduler)

Cornelia Hoehr (Life Sciences Beam Scheduler)