

February 9, 2011

To: Experimental Spokespersons  
Operations  
Division Heads

**RE: Call for Beam Requests**

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I would like to prepare the spring/summer 2011 beam schedule (119) for both base and ISAC programs. This year less beam time will be available for experiments because of the installation and commissioning of the new vertical beam line for ISIS, and the on-going installation of new muon channel M20. Some delay in the proposed start-up schedule is possible.

ISAC operations will commence April 1<sup>st</sup> and proton beam delivery to BL2A will begin April 14<sup>th</sup>. However, no radioactive ISAC beam will be delivered to the ISAC Hall for experiments before June 1<sup>st</sup>. OLIS beam to ISAC I will commence April 1<sup>st</sup>, and stable beam to ISAC II will be available beginning May 1<sup>st</sup>.

The base program will provide beam to BL1A at high intensity from ~ July 13<sup>th</sup> to September 6<sup>th</sup>.

The following muon channels will be available: M11, M13, M15 and M9B. The BL2C program will commence April 14<sup>th</sup>. Low intensity running will be scheduled September 6<sup>th</sup> – 21<sup>st</sup>.

For ISAC, at present time we are operating with only two target modules. We are considering the following target module (TM), target material with high power (HP) or low power (LP) options, and ion source combinations:

1. TM4 (June) Ta HP surface/ laser
2. TM1 (~July) Ta LP surface/laser
3. TM4 (~August) Nb HP surface/laser
4. TM1 (~September) UCx LP surface/laser

We anticipate a 1-2 week mini shutdown commencing September 21<sup>st</sup>, and are considering three more targets for the fall/winter Schedule 120, one of which will be an actinide target with a FEBIAD source. However, construction/excavation work for ARIEL will start in November and continue through January 2012. During the months of November and December 2011 no regular ISAC II beam delivery will be

possible due to anticipated vibrations. At this point we will consider ISAC experiment requests for Stage I and II experiments especially for the UCx target.

Schedule 119 ISAC:

OLIS beam to ISAC I	April 1 <sup>st</sup> – September 21 <sup>st</sup>
OLIS beam to ISAC I & II	May 1 <sup>st</sup> – September 21 <sup>st</sup>
RIB beam to ISAC I & II	June 1 <sup>st</sup> – September 21 <sup>st</sup>

Please submit your beam requests for Schedule 119, using the online facility at:

<https://mis.triumf.ca/science/beam/request/home.jsf>

NOTE: Please indicate clearly when you CANNOT take beam time.

For ISAC experiments requesting stable beam from OLIS prior to June 1<sup>st</sup>, the deadline for submissions is midnight Vancouver time (23:59), February 25<sup>th</sup>, 2011. For all other requests including the base program and the ISAC RIB/OLIS program after June 1<sup>st</sup>, the deadline is midnight Vancouver time (23:59), March 4<sup>th</sup>, 2011.

Thank you,

Jens Dilling  
ISAC Science Group Leader