

ISAC Beam Strategy Committee – 09/09/30 J. Dilling

Minutes of the meeting of the beam strategy development group (BDSG) September 30 2009:

Present: J. Dilling (chair), G. Ball, B. Jennings, C. Ruiz, M. Dombisky, P. Bricault, L. Merminga, B. Laxdal, F. Ames

Topics:

- Actinide target operation: Operational plans for the Dec run, incl. safety requirements
For the December run, two target/ion source systems will be prepared, LP UO FEBIAD & HP ZrC FEBIAD. The chosen target will depend on obtaining of the operational licences from CNSC. At present, the licence includes operation and delivery to one experimental station (8Pi). In order to coordinate all efforts leading to the running of an UO target in December, a project leader needs to be identified. Lia and Pierre are preparing a memo, which identifies that person and the responsibilities (in the meantime this memo has been sent, and identifies P. Kunz as the person in charge of the actinide target beam time preparation and organisation of the tests).

The development time with the UO will consist of general tests, yield measurements and if yield and time permits, some limited measurements at experimental stations. A list of yield measurement priorities will be generated by the science division head, together with the chair of the beam development group, based on eec priorities. Users can submit request to the beam development group as letter of intent (no eec approval required). Yields will be posted quickly in the yield tables on the ISAC web page.

- Towards routine actinide target operation in present target stations (up to 10muA) the routine operation of actinide targets (either UO or UC) still requires major steps, and has to be considered a inter-divisional project. Tasks within this project include a new hot cell, development and implementation of a quick connect system, long term storage solution of used UC targets, and final license agreement. A basic project plan exists and should be review. Goal is to reach routine operation in April 2011. A leader needs to be identified, who would oversee the project of establishing routine actinide target operation in the present target station, and somebody who could potentially take over this task for the new target stations. More discussion are needed and will be brought forward in the next BDSG meeting.

- Beam development time and yield measurements, how can users request yield measurements and how do users get the information

see discussion above

- Implantation station for Al-beam (and general purpose implantation)
the discussion concluded that a new collection station would be useful and should be implemented as a general purpose collection station. F. Ames will take on responsibilities to come up with a project plan. C. Ruiz has prepared a requirement list for the collection station for the Al-experiment. This list should be review by the science division and

incorporated into the project plan by F. Ames. The project plan (and project charter sheet) should be review next BDSG meeting.

- Plans for new beam developments

not discussed.

Minutes take by J. Dilling (2009-10-05)