

## Minutes for the 32nd MT Committee Meeting

Date: 3:00-15:00, April, 2010

Place: Nishina Bldg. room 201

Attendees: Sakai (Chair), Kubono (CNS), Kase, Fukunishi, Kamigaito, Sakurai, Kambara, Kubo, Ueno, Uwamino, Morita, Wakasugi, Shimoura (CNS), Uesaka (observer), Motobayashi (observer), Henning (observer), En'yo (observer)

Absentees: none

(in no particular order)

### Reports

#### **FY2010 MT committee members**

- FY2010 MT committee member selection approved by the RNC (RIKEN Nishina Center) coordination committee.
- The UEC (RIBF Users' group Executive Committee) chair and the RNC deputy director were invited to the MT committee as observers.

#### **1. MT schedule changes**

- The MT (machine time = beam time) schedule for the experiments allocated for April 2-16 was delayed for 2 days due to the trouble with the ion source and AVF cyclotron.
- Following the decisions of the 23<sup>rd</sup> MT committee meeting, extra days or hours for the BigRIPS tuning were added to those allocated for May-June. The MT table presently posted on the website already reflects this change. Also, following the 30<sup>th</sup> MT committee meeting, BigRIPS contact persons for each experiment are now indicated in the MT Table.

#### **2. Accelerator machine study reports**

- The performance of charge exchange foils was tested with a  $^{70}\text{Zn}$  beam from RILAC on March 9-10.
- The acceleration of  $^{238}\text{U}$  was studied on April 6-23 through, e.g.,
  - the measurement of the equilibrium charge states with a carbon foil and an  $\text{N}_2$  gas at the energies  $E/A=11, 14, \text{ and } 15$  MeV,
  - the measurement of the charge-exchange cross sections in a He gas at  $E/A=11, 14$  and 15 MeV,
  - the test of various carbon-based material foils at  $E/A < 11$  MeV,
  - the test of slow rotating foils, and
  - the test acceleration of  $q=69^+ \text{ }^{238}\text{U}$  with fRC

#### **3. First half-year preparations for the PAC meetings**

- Professor R. Tribble has agreed to serve as the new NP-PAC chair upon the joint request of the RNC and CNS directors.
- NP-PAC: The deadline of the present NP (Nuclear Physics) proposal call for the RIBF use is May 7.
- ML-PAC: The RAL proposal call will be skipped this first half-year due to the long-term shutdown of RAL (Aug 2010 – Feb 2011), but a call will be put out for ML (Materials and Life Science) proposals for the RIBF use to undergo email screening by the ML-PAC committee.

## **Discussions**

### **The minutes of the 31<sup>st</sup> meeting were approved**

#### **1. MT scheduling**

- The UEC chair was invited to the MT committee as an observer as mentioned above.
- **Toward more transparent MT scheduling**
  - In regard to BigRIPS experiments, it was approved to establish a plan for long-term use (2 years) of the primary beam with individual plans to be made within that framework.
  - In accordance with this, the RNC deputy director presented a proposal for a two-year plan.
  - Regarding the BigRIPS experiments for this autumn, two proposals were made to conduct a series of BigRIPS experiments with only  $^{48}\text{Ca}$  beams and the SHARAQ+ $^{48}\text{Ca}$  series. The RNC and CNS directors will decide which proposal to accept.
  - A method will be sought that will allow RIBF users to participate more directly in the MT scheduling process.
- **Request for making an earlier call for BigRIPS MT scheduling submissions**
  - The RNC deputy director will be staying at RNC for two weeks including the dates of the next NP-PAC (June 14-15). Details of the MT allocation for the next autumn BigRIPS experiments will be discussed at that time. To fit this process into the schedule, the call for MT scheduling submissions for autumn BigRIPS experiments will be made in late April—early May.

#### **2. Experiment proposals to use SCRIT**

- The handling of experiment proposals requiring the use of equipment not explicitly listed in the call for proposals, such as SCRIT, was discussed.
- It was confirmed that both construction and experiment proposals to use SCRIT as well as other equipment are accepted for PAC screening at any time.

#### **3. Schedule of MT Committee meeting**

- The next MT committee meeting will be held on May 18.