

# Minutes of the 38th MT Committee Meeting

Date and time: November 19, 2010; 13:30–14:40

Place: Nishina Bldg., Room 201

Attendees: Sakai<sup>a</sup> (Chair), Abe<sup>a</sup>, Fukunishi<sup>a</sup>, Henning<sup>a,†</sup>, Kambara<sup>a,†</sup>, Kase<sup>a</sup>, Kubo<sup>a</sup>, Kubono<sup>b</sup>, Morimoto<sup>a</sup>  
(on behalf of Morita), Sakurai<sup>a</sup>, Shimoura<sup>b</sup>, Teranishi<sup>c,†</sup>, Ueno<sup>a</sup>, Uwamino<sup>a</sup>, Wakasugi<sup>a</sup>

Absent: En'yo<sup>a,†</sup>, Kamigaito<sup>a</sup>, Morita<sup>a</sup>, Motobayashi<sup>a,†</sup>, Yoshida<sup>a,†</sup>

<sup>a</sup>RNC / <sup>b</sup>CNS / <sup>c</sup>UEC / <sup>†</sup>observer  
(in no particular order)

## Reports

### 1. Status reports on beam-time (BT) operation for the <sup>48</sup>Ca series

- Accelerator status report (Fukunishi)
  - The MDC2 vacuum chamber of RRC was damaged.
  - The power supply for the final screen grid of the IRC-NW resonator was broken.
  - The <sup>48</sup>Ca ion source material was depleted. The consumption rate, 2.4 mg/h, was much higher than the rate of 0.7-1.0 mg/h in previous series. A new <sup>48</sup>Ca rod with enrichment of ~70 % will be installed.
- BigRIPS status report (Kubo)
  - A leakage of the cooling water occurred about 10 days ago in a B3 level room of the RIBF.
  - Insufficient communication between BigRIPS-T and users resulted in friction during the secondary beam tuning. Both parties agreed upon enhance communications.
- Progress of the <sup>48</sup>Ca series (Sakurai)
  - Due to the reasons noted above, only 24 hours of BT have been delivered during the first two weeks of the campaign.
  - It is hoped that the <sup>48</sup>Ca beam will be restored by Nov. 24 (Wed.) (Kase).
  - The Machine-Time and Campaign coordinators will re-arrange the BT schedule. If the beam cannot be delivered with sufficient current, the campaign will be terminated. Machine studies for a charge stripper system will be allocated instead (Sakai).

### 2. BT schedule changes (Sakai)

- The conditional BT of NP0906-RIBF03 (Fallon *et al.*) has been cancelled.

### 3. Status of the PAC meetings (Ueno)

- 8th NP-PAC (Dec. 3–5)
  - Proposals (20 topics) were sent to the PAC members for review on Oct. 26.
  - In-house technical review reports were sent to the PAC and the spokespersons on Oct. 27.
  - A tentative program of the PAC meeting was sent to the RNC/CNS device contact persons and the spokespersons on Nov. 1.
  - Spokespersons for NP-PAC experiments completed before Mar. 31, 2010 were asked (on Oct. 28) to complete and submit status reports. These reports were then sent to the PAC chair on Nov.

16 as “Follow-up evaluations of completed beam times (2007-2010 Mar)”.

- A set of approved proposals on the use of  $^{48}\text{Ca}$ ,  $^{124}\text{Xe}$ , and  $^{238}\text{U}$  beams which remains as backlogs in FY2011 was sent to the PAC on Nov. 9 for re-evaluation with a new grading scale introduced at the last PAC.
- 7th ML-PAC (Jan. 11-12, 2011)
  - Call-for-proposals was launched on November 9 and will be closed on December 6.
- 3rd In-PAC (will be held on Jan., 2011)
  - Proposals can be submitted anytime as explained on the web site (Kambara).

### **Topics discussed**

#### **1. Approval of the minutes of the 37th meeting (Sakai)**

#### **2. FY2011 first half-year BT allocation of BigRIPS-based experiments (Sakai)**

- A precedent call for BT scheduling requests of BigRIPS-based experiments has been postponed due to unclear situation of accelerator status. The call will be made together with other BTs, presumably in the middle of January, 2011.
- A plan to commission a  $^{124}\text{Xe}$  beam next spring was discussed.
- The possibility of  $^{48}\text{Ca}$  BT allocation was discussed. To allocate the BTs, all pillow-seal systems should be installed prior to the BTs so as not to hamper the installation works. Details will be reported at the next meeting (Kubo).
- Technical issues for 8-month operation of RIBF (Sakai)
  - Possibility was discussed whether Kr can be set up as a second-priority beam, following the first-priority beams  $^{238}\text{U}$  and  $^{124}\text{Xe}$ .
  - The delivery of intense Kr beams would be difficult to achieve in the upcoming year, since the development of a charge-stripper system requires time. (Fukunishi).

#### **3. Technical review for ML-PAC proposals (Ueno)**

- Approval was granted to proceed with in-house technical review to RIBF-use proposals submitted to the ML-PAC, as was done for the 8<sup>th</sup> NP-PAC.

#### **4. Changes to MT Committee members (Sakai)**

- The following member changes have been approved
  - Abe, Group Director, Accelerator Applications Research Group, RNC, has assumed Kambara's post in the MT Committee.
  - Kambara has become an observer as Deputy Group Director in charge of Industrial Cooperation, User Liaison and Industrial Cooperation Group

#### **5. Next MT Committee meeting**

- The next MT Committee meeting will be held on Friday, December 17, 2010, from 13:30 to 15:00.