

Minutes of the 36th MT Committee Meeting

Date and time: September 17, 2010; 13:30–15:00

Place: Nishina Bldg., Room 201

Attendees: Sakai (Chair), Fukunishi, Kambara, Kase, Kubo, Kubono (CNS), Otsu (in Sakurai's place), Shimoura (CNS), Ueno, Wakasugi, En'yo (observer), Uesaka (UEC observer)

Absent: Kamigaito, Morita, Sakurai, Uwamino, Motobayashi (observer), Yoshida (observer)

(no particular order)

Reports

1. Beam-time schedule changes

- The NP0702-LINAC12 (Morita) beam times (BTs) were allocated on Sep. 5-21 and Sep. 5 – Oct. 22. Also, the ^{238}U commissioning was allocated on Sep. 24-26 (1.5 days). In addition to these allocations, the original BT schedule was modified as follows.
 - ML0901-LINAC18 (Kudo, 9/10/21:00-9/13/9:00) was cancelled.
 - IB0702-RRC01 (Abe) & ML0901-RRC20 (Izumi) were shifted to the following day.
- The CNS director requested to extend the A19 (CNS2005-4)-2-3 (Kahl) BT by 0.5 days. The MT Committee chair decided to accept the request.

2. BigRIPS vacuum trouble

- As reported in the previous meeting, BT NP0906-RIBF16 (Kobayashi) was canceled due to vacuum trouble at STQ1-D1 of BigRIPS, which could not be repaired immediately. It was reported that the primary beam hit a duct around STQ1-D1 so that a rubber O-ring used there was damaged by the heat or radiation induced by secondary particles produced.
- In the coming BigRIPS-based experiment series, a radiation-resistant rubber O-ring will be installed, which will further be replaced with a pillow-seal system next summer.
- It was pointed out that if the total beam-current integration of the coming ^{48}Ca series is extremely high, the installation of the pillow-seal system will be affected due to residual activity. In this event, the MT Committee chair will ask spokespersons to restrict the beam intensity.

3. Distribution of the minutes of MT committee meeting

- In addition to the distribution of draft versions of minutes via email, approved minutes have been also posted at the web site:
http://www.nishina.riken.jp/UsersGuide/MT_Committee/meeting_minutes.html.

4. Status of the PAC meetings

- NP-PAC: 8th NP-PAC will be held on Dec. 3-4 (or 5).
 - A tentative 8th NP-PAC schedule was announced on Aug. 13; it was also announced that we will start to accept “proposal updates” in addition to the usual proposals.
 - The call-for-proposals was distributed on Sep. 10. (The submission deadline is Oct. 8.) Prior to the pre-review by NP-PAC, technical issues will be reviewed by the equipment contact persons on Oct. 12-19. The reports will be sent to the NP-PAC and spokespersons.

- SAMURAI will be made available to use in experiments and will be included in the call-for-proposals of the 9th NP-PAC (next to 8th NP-PAC). SCRIT will also be made available when it is ready to accept users.
- ML-PAC:
 - 6th ML-PAC report was approved by RNC director. The result was sent to spokespersons.
 - 7th ML-PAC will be held on Jan. 11-12, 2011.
- In-PAC (Industrial Program Advisory Committee):
 - 2nd In-PAC report was approved by RNC director. The result was sent to spokespersons.

5. Other reports

- STQ24 was set up as a SHARAQ beam line.
- Although the lease time was expired on the end of September, 2010, the Kappa magnet is still placed at RIBF. Details are under discussion[†].

Discussions

1. The minutes of the 35th meeting were approved.

2. Detector Development Beam Time (DDBT)

- The following two proposals were submitted to the call for DDBT open Jul. 19 – Aug. 1. It was decided to approve both of them. The priority of their BT allocation should be, however, lower than for PAC-approved experiments.
 - “Study of beam transport and background with a newly installed apparatus for student education” by Ota *et al.*, CNS, the University of Tokyo (A 0.5-day BT was requested for the use of α beam at $E/A=6.5$ MeV with $I=10$ pA at the E7B course).
 - “Development of diamond detector” by Michimasa *et al.*, CNS, the University of Tokyo (A 2.0-day BT was requested for the use of α beam at $E/A=8.8$ MeV with $I=10$ pA at the E7B course).
- The MT Committee requests a short presentation to spokespersons in the next DDBT call.

3. Coming second half-year BT allocation

- Call for BT scheduling requests was open Jul. 19 – Aug. 1 for experiments which use RILAC, AVF, and RRC. A proposed BT plan, arranged by a WG consisting of MT Committee members, was approved. That for BigRIPS-related experiments was already approved by the 34th MT Committee meeting. Since this BT schedule is very tight, an announcement will be issued by the MT Committee chair that BT schedule changes will not be possible in most cases, even when problems occur with the beam line.
- Although the construction and commissioning of RILAC-II will not be completed by Nov., 2010, the next BT-scheduling requests will be for BigRIPS-based experiments in a similar manner to the first half-year BT allocation procedure. We also need to develop measures against the case that the ¹²⁴Xe-beam development is not completed, where the RNC deputy director takes a central role. In

[†] There was an error in the minutes of 36th MT Committee Meeting distributed on Oct 13. We would like to correct this error and apologize for any trouble this may have caused.

any case, the development of Xe and U beams will be carried out in this order as announced.

- The ion source associated with each experiment will be also indicated in the next BT table.

4. Request for the BigRIPS parasite BT allocation

- It was requested to allocate a BT of NP0702-RIBF11 (Nishimura) during the coming ^{48}Ca BigRIPS series as a parasite experiment. The MT Committee approves this request if two conditions are met: i) NP0702-RIBF11 gains approval from main experimental groups and ii) NP0702-RIBF11 is regarded as a completed BT.

5. Ion-source use for PAC-approved experiments

- Except for the ion-source materials used in core business beams such as ^{48}Ca , ^{124}Xe , ^{238}U , etc., users are requested to prepare ion-source material by themselves.
- To avoid troubles in advance, this issue will be checked in the technical review initiated by the proposal submission. If users need to prepare their own ion-source material, the principal investigator should be informed.

6. Next MT Committee meeting

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