

Minutes of the 52nd Machine-Time Committee Meeting

Date and time: February 16, 2012; 13:30–15:00

Place: RIBF Bldg., Room 203

Attendees: Sakai^a (Chair), Abe^a, En'yo^{a, †}, Fukunishi^a, Haba^{a, †}, Kase^a, Kubo^a, Kubono^b, Morita^a, Motobayashi^{a, †}, Nishimura^{a, †}, Sakurai^a, Shimoura^b, Steppenbeck^{a, †}, Suda^{c, †}, Takeuchi^{a, †}, Ueno^a, Uesaka^a, Uwamino^a, Wakasugi^a, Yamaguchi^{b, †}

Absent: Kamigaito^a, Yoshida^{a, †}

^aRNC / ^bCNS / ^cRIBF-UEC / [†] Observer
(in random order)

Reports

1. Change of the beam time schedule (Ueno)

The beam time (BT) of BigRIPS-based experiments in the upcoming ¹⁸O beam series scheduled for March has been changed in order to perform the official facility inspection of SAMURAI before its commissioning of BT in the machine-study (MS) category, as well as to switch a secondary-beam transport line of BigRIPS between ZD (F11) – SAMURAI (F13) by efficiently changing the position of the STQ18 magnet. Changing the STQ position is expected to take 1.5 days since this is the first operation of the switching system. The operation time will eventually be reduced to 0.5 days under normal operations. Details of the changes in the BT schedule are as follows:

Experimental-Program-Number	Previous	Changed
MS11-16 (Nishimura/Doornenbal)	Mar/16/09:00 – Mar/18/ 9:00	→ Mar/29/12:00 – Mar/31/ 9:00
Official Inspection11-03 (Uwamino)	Mar/19/09:00 – Mar/19/12:00	→ Mar/16/09:00 – Mar/16/13:00
MS11-10 (Yoneda)	Mar/19/12:00 – Mar/26/ 9:00	→ Mar/16/13:00 – Mar/23/ 9:00
<i>This ¹⁸O series is continued to:</i>		
MS11-11 (Michimasa)		Mar/31/21:00 – Apr/ 1/21:00
NP1012-SHARAQ06-01 (Shimoura)		Apr/ 1/21:00 – Apr/15/21:00
MS11-17 (Nishimura/Doornenbal)		Apr/16/ 9:00 – Apr/18/ 9:00
MS-EXP12-01 (Itahashi)		Apr/18/ 9:00 – Apr/19/17:00

2. RIBF operation (Fukunishi)

The accelerator status of the delivery of a polarized deuteron beam to NP0912-RIBF34-02 (Sekiguchi) was reported. Although the condition of RRC, which has been suffering from a layer short problem, seems to be getting worse, information on its stability is not sufficient enough to discuss the possible suspension of the BT schedule to allow for the repair of RRC. The present accelerator tuning for the beam delivery will be continued in which RRC is operated in a high magnetic field mode. If the beam can not be delivered even in this mode, the RIBF BT should be suspended to have an urgent repair work done for the period from spring to summer.

3. SAMURAI-MS proposal under discussion (Sakai)

The judgment of approval/disapproval of the BT request for the SAMURAI commissioning, MS11-10

(Yoneda), was again deferred in the previous meeting, where a final decision was left to the MT Committee chair. A revised MS proposal was re-submitted to the chair. After a meeting of hearing with the representatives, the chair approved a BT of 6.5 days for the SAMURAI commissioning.

4. CRIB operation policy (Shimoura / Yamaguchi)

The acceptance of CRIB proposals has been suspended. A draft plan of the CRIB operation policy for the next few years was announced. The BT of CRIB experiments under a new policy will be treated identically to the BT planned as RNC enterprise.

5. Status of the PAC meetings (Ueno)

- 11th NP-PAC (June 18–19): Two candidates were selected as new PAC members after consultation between RNC & CNS. Furthermore, it was announced that the call-for-proposals will be distributed around mid-March.
- 9th ML-PAC & 3rd In-PAC: currently being prepared.

Topics discussed

1. Approval of the minutes of the previous meeting (Sakai)

2. Review of BT requests in the Machine Study and Detector Development categories (Sakai)

New BT requests for the first half of FY2012 in the Machine Study (MS) and Detector Development (DD) categories were reviewed through interviews or presentations by the experiment spokespersons. After deliberation, the requests were approved. Their BT scheduling, however, was discussed separately from this approval as indicated in the topic 4 given below.

Exp-Prog-Num	Spokesperson	Subject	Acc. / Beamline	Beam	days
MS-ACC12-01	Okuno	Gas-stripper development	RRC	^{238}U	3
MS-ACC12-02	Okuno	Gas-stripper development	RRC	^{238}U	4
MS-ACC12-03	Okuno	Gas-stripper development	fRC	^{124}Xe	4
MS-ACC12-04	Okuno	Gas-stripper development	fRC	^{238}U	4
MS-ACC12-05	Fukunishi	Beam development	SRC	^{70}Zn	5
MS-ACC12-06	Nakagawa	Beam development	RILAC ion source	^{50}Ti	7
MS-EXP12-01	Itahashi	BigRIPS beam transport	BigRIPS	^{18}O	1.3
MS-EXP12-02	Michimasa	SHARAQ commissioning	SHARAQ	^{48}Ca	1
MS-EXP12-03	A. Yoshida	Secondary-beam development for industrial use	CRIB	^7Li	2
MS-EXP12-04	Yamaguchi	Beam development	AVF	^6Li	1
DD12-01	Ishibashi	Development of a β -NMR/AFR system	AVF-E7B	pol. <i>d</i>	2

3. BT scheduling of ^{70}Zn primary beams in the FY2012 first half (Sakai)

The allocation of ^{48}Ca and ^{124}Xe primary beams for RIBF-SRC experiments was announced in the call-for-BT-scheduling-requests for the first half of FY2012. After the deadline of the request, a letter demanding additional allocation of ^{70}Zn beams was submitted by Sakurai Chief Scientist (CS) to the RNC director. After a detailed explanation of the requested plan by Sakurai CS, a hearing from Dr. Steppenbeck, a spokesperson of a relevant experiment, was also conducted. After deliberation, the

Committee approved to submit the acceptance notice of the request to the RNC director. The RNC director also approved the request.

4. BT schedule of FY2012 first half (Sakai)

- A BT schedule plan was discussed by a MT Committee working group (WG) at the WG meeting held on February 7 and via email thereafter. The WG members are: Sakai, Haba, Kamigaito, Kubo, Sakurai, Shimoura, Ueno, Uesaka, Uwamino, Yamaguchi from the MT Committee and Okuno Deputy Group Director, Ikezawa TL, Sakamoto TL, Imao from the Accelerator Group, and Inabe from the BigRIPS Team. (Ueno)
- After modification of the plan to reflect the decisions made as indicated in topics 2 and 3, the plan was approved. The plan was disclosed to the spokespersons who submitted a BT-scheduling request. The plan will be revised so as to reflect comments and further requests from them in response to the fullest extent possible. The schedule will be then fixed.

5. Next meetings

- The next meeting will be held on Friday, March 16, 2012, at 13:30
- In principle, the meetings in the next fiscal year starting from April will be held on every third Friday of the month, at 13:30.