

Minutes of PPAC on February 23, 2001

Place: RCNP, Osaka University, Meeting room (2nd floor of RCNP office building)

Date: February 23, 2001, 10:30 – 17:00

Attendee:

K. Sagara (Kyushu U.), H. Akimune (Konan U.), T. Kobayashi (Tohoku U.), H. Okamura (Saitama U.), M. Yahiro (Ryukyu U.), A. Ohnishi (Hokkaido U.), I. Endo (Hiroshima U.), M. Nomachi (Osaka U.), T. Kunihiro (YITP Kyoto U.), H. Shimizu (RCNP), M. Fujiwara (RCNP), K. Sato (RCNP), H. Toki (RCNP)

Absentee:

K. Masuda (Nagoya U.), T. Otsuki (LNS Tohoku U.), K. Hicks (Ohio U.), T. Suzuki (Fukui U.)

* PPAC requested Y. Nagai (RCNP)

** Observer K. Hatanaka (RCNP), A. Hosaka (RCNP)

1. Introduction of new committee members

2. Selection of the PPAC chairperson and secretaries

The following chairperson and secretaries are selected by vote.

Chairperson: H. Okamura (Saitama U.)

Secretaries: A. Ohnishi (Hokkaido U.), M. Fujiwara (RCNP)

3. Selection of BPAC members

(BPAC : PAC for Ring Cyclotron Experiments)

(1) Rule of BPAC member selections are confirmed.

* Five BPAC members are selected from PPAC members.

* A BPAC member can be selected again in the next term.

* As an implicit rule, it is better to keep about half of the BPAC members selected from PPAC.

(2) Following members are selected by vote and recommended as BPAC member candidates.

H. Okamura (Saitama U.)

K. Sagara (Kyushu U.)

H. Akimune (Konan U.)

M. Fujiwara (RCNP)

T. Suzuki (Fukui U.)

The rest (about 5) is selected by the director with the chairperson of PPAC considering the balance of the field and places.

(3) The time schedule of BPAC is also discussed.

- * BPAC should be held twice a year.
- * It is better to fix the date annually (e.g., May and November, or August and February). June and February are considered to be appropriate.

4. On the election of the PPAC members

(1) The rule to select PPAC members at the election is discussed, since (a) the number of elected members is relatively small compared to that of recommended members by the director, and (b) the members of the RCNP staff should be also selected in a voting system among the experimental group (“Kaku-dan” —Genshikaku Danwakai—members). (Currently, they are selected by voting among a small number of the RCNP staff.)

(2) The following new rules are proposed and approved.

(A) Elected members:

Theory members:

- * Two members (currently one) are to be elected at the election of SG (Soryushiron Group) each year. There is no restriction of inside/outside RCNP.

Experiment members:

- * Three members (currently two) outside RCNP are to be elected at the election of “Kaku-dan”, each year.
- * Two members inside RCNP are to be elected at the election of Kaku-dan, each year (currently they are selected in RCNP).

(B) Recommended member

- * The director can select a few recommended PPAC members, but the total must be less than or equal to three (currently four in total, two theory and two experiment members).
- * The recommended members can be either in theoretical or experimental physicists.
- * The director should consider the balance of the elected and recommended members on the selection of recommended members, should consult with the chairperson of the previous PPAC, and should explain the reason to select those members.

(C) Members from other field of physics:

- * The present rule is kept. Namely, we ask Cosmic Ray group (CRC), High Energy Experimental group, Nuclear Chemistry group to recommend one person in each field.

In all the selections mentioned above, the following rules are applied.

- * The period as the PPAC member is two years (same as in the current rule).
- * Continuous reappointment of the PPAC members is not allowed (same as in the current rule).

(3) Following change of the PPAC members is also reported.

- * H. Toki (RCNP) → A. Hosaka (RCNP) from April
(Reason: H. Toki becomes the director from April 1)

- * H. Shimizu changes the affiliation (RCNP \rightarrow Yamagata U.),
but stays to be a PPAC member.
(Reason: H. Shimizu is one of the persons working at SPring-8)

5. Selection of RCNP symposiums and workshops

There have been five proposals of workshops.

- (A) Intermediate Energy Nuclear Physics
Contact person: K. Hatanaka (RCNP)
Date: Late April 2001, 2–3 days
Money: 830 kilo-yen (Kyen)
- (B) Nuclear Astrophysics for Explaining the Universe
Contact person: T. Itahashi (RCNP)
Date: Mid July, 2001
Money: 580 Kyen
- (C) Nuclear and Astrophysics in Underground Laboratory (OTO 2001)
Contact person: K. Fushimi (Tokushima U.)
Date: August 2–4, 2001 (planned)
Money: 500 Kyen
- (D) Ultracold Neutrons
Contact person: M. Tanaka (Kobe Tokiwa Junior C.)
Date: July–August, 2001, 2 days
Money: 280 Kyen
- (E) Hadron Structure and Reaction based on Nonperturbative QCD
Contact person: M. Oka (TITech)
Date: Late July, 2001, about 3 days
Money: 300 Kyen

The following travel money amounts are approved.

(A)	Intermediate Energy Nuclear Physics	750 Kyen
(B+C)	Nuclear Astrophysics	600 Kyen
(D)	Ultra Cold Neutron	250 Kyen
(E)	Nonperturbative QCD	400 Kyen

6. Discussion of the RCNP future program

K. Sato (RCNP) reviewed a plan and problem which had been discussed on the e - A collider in the past.

- * 8-shaped rings, then it is good for the spin physics.
- * Luminosity becomes better for colliders at energy, e (10 GeV) + A (several GeV).
- * Cost estimated was around 40 billion yen.

K. Hatanaka reported the present status of the PEARL project. This was considered as the first stage of the e - A collider project.

It is also recognized that it may take many years (like 5–7 years) before start up a big project for RCNP even in the earliest case by considering the present situations as RIBF

and JHF. Therefore, a medium-range plan is necessary. In the past, a few plans were discussed such as,

- * TARN II install. (1 GeV, hand-made Synchrotron)
- * AVF cyclotron upgrade: Good for beam quality.

In the PPAC discussion, RCNP members showed a strong motivation to the Quark Nuclear Physics. In order to go this direction, several necessary works should be discussed.

- * Workshop series, Proposal to J-Lab., Proposal from PPAC, Review of Quark Nuclear Physics, Workshop just before or after PPAC, Systematic study, ...

7. Discussion for RAIDEN

As for the call for the RAIDEN and DUMAS spectrometers (Previous PPAC, November, 2000), H. Sakaguchi proposed a plan to use RAIDEN for educational purposes (see the resume for the details). It is also reported that there are several positively responded universities (Kyoto U., Osaka U., Konan U., Nagoya U.) to this plan.

PPAC has discussed the usefulness of this plan, and it is essentially approved. In order to get travel money, it is better to ask the university dean. The following procedure is proposed.

- * PPAC recommends the director to promote this plan.
- * If necessary, the director sends the letter to the university deans, and asks to support this plan.
- * By getting and collecting several recommendation letters from universities, the director can propose the Monbusho-STA to support travel fees.

8. On the QPAC members

(QPAC: PAC for SPring-8 Experiments)

The following issues are reported and discussed.

- * There have been no QPAC meetings for one year, but this year is very important to start-up SPring-8 experiments.
- * PPAC asks the current QPAC members to stay in the committee.
- * There have been some discussions on how to proceed QPAC.
- * We have to make selection of new QPAC members at the next PPAC meeting.

9. Others

- * Minutes of PPAC is opened on the web with a password.
- * PPAC is held three times a year.
- * QPAC members may be decided by the PPAC chairperson and the RCNP director.
- * Next PPAC will be held on July 27 (Fri.) and PPAC organize a meeting to discuss the RCNP future plan on 26 July.