

Minutes of PPAC on March 21,2000 (案)

Plan: RCNP, Osaka University, Meeting room

Date: March 21, 2000, 10:30-17:00

Attendance:

T.Murakami (Kyoto U.), T.Nakano (RCNP), M.Nomachi (Osaka U./RCNP),
Y.R.Shimizu (Kyushu U.), M.Oka (Tokyo Inst. Tech.), T.Kobayashi (Tohoku U.),
H.Okamura (Saitama U.), A.Sakaguchi (Osaka U.), A.Ohnishi (Hokkaido U.),
Y.Sakuragi (Osaka City U.), I.Endo (Hiroshima U.), T.Otsuki (LNS Tohoku U.),
A.Masaike (Fukui U. Tech.), T.Suzuki (Fukui U.), T.Sato (Osaka U.),
H.Shimizu (RCNP), M.Fujiwara (RCNP), K.Sato (RCNP), H.Toki (RCNP),
Y.Nagai (RCNP)*, K.Hatanaka (RCNP)*

*PPAC requested

Absentee: H.Sakaguchi (Kyoto U.), K.Masuda (Nagoya U.), K.Hicks (Ohio U.)

1) Introduction of new committee members.

2) Selection of the PPAC chairperson and secretaries.

M.Fujiwara (RCNP) ran for the PPAC chairperson, and he was approved.

M.Fujiwara and A.Sakaguchi (Osaka U.) volunteered to be the secretaries of the committee, and they were approved.

3) Election of the BPAC members.

H.Okamura (Saitama U.), T.Kobayashi (Tohoku U.), K.Hicks (Ohio U.),

Y.Sakuragi (Osaka City U.) and H.Sakaguchi (Kyoto U.) were elected as the BPAC members by the mutual vote among PPAC members.

REPORTS

General report by Director

- On 27 November 1999, a seminar for public people was held at RCNP, and many public people visited the RCNP accelerator facility, and got information on the K400ring-cyclotron and the experimental devices.
- TARN workshop was held on December 13-14. RCNP staff Meeting was held on December 24. It was decided that RCNP will not request to move the TARN facility from KEK.

- People from Ibaraki city office visited RCNP on December 28.
- An ECR ion source of the SF cyclotron will be transferred from CNS to RCNP.
- RCNP review was held on January 5-6.
- Personal affairs:
 - H.Suganuma will move to Tokyo Institute of Technology.
 - M.Nomachi moved to Osaka University.
- Calls for positions:
 - Visiting Seminar Researcher (closed on January 10)
 - COE (Closed on February 7)
 - Researcher (closed on February 24)
 - An associate professor position for the theory group is now called.
- BPAC was held on February 29.

Reports from each group in RCNP

- Nuclear Science 1A

Activities at RCNP Ring Cyclotron Facility were reported.

M.Yosoi (Kyoto U.) reported on the activities of Kyoto group, including the (p,²p) and (p,p') reactions.

T.Wakasa (RCNP) reported on the status of construction of the new WS beam course.

M.Fujiwara (RCNP) reported on the (³He,t) measurement on ¹⁷⁶Yb and discussed about the new project LENS related to the solar neutrino problem.

T.Shimoda (Osaka U.) reported on the results of new development for studying the "snow ball" production in the low-temperature He liquid.

K.Hatanaka (RCNP) reported on other activities.

- Nuclear Science 1B

T.Nakano (RCNP) reported on the present status of LEPS at SPring-8.

A beam intensity of 5×10⁶ photon/s was achieved. The beam energy resolution of the LEPS spectrometer system was estimated to be 15 MeV.

Experiment to measure photo-production will start soon.

- Nuclear Science 1C

K.Takahisa (RCNP) reported on the present status of the Oto Cosmo Observatory, including the Dark matter measurement.

Y.Nagai (RCNP) reported a study on ⁴He photo-disintegration at ETL.

- Theory

H.Toki (RCNP) reported on the activities of the theory group of RCNP.

The international conference "Confinement 2000" was finished successfully.

- Accelerator

S.Ninomiya (RCNP) reported on the upgrade of the AVF cyclotron. The magnetic field of AVF cyclotron will be greatly stabilized by improving the water cooling system.

There is a possibility that we can try achieve the single turn extraction after the stabilization of the magnetic field. A new model of the D-electrode is under development.

- Computer

M.Nomachi (Osaka U./RCNP) reported on the status of the computer system.

A software bug was found in the migration system of the RCNP UNIX system.

Upgrade of the computer system is scheduled in this calendar year. The collaboration with the computer center of Osaka University for the super-computer will continue.

DISCUSSIONS

FY2000 funding status

- Report by Director Y.Nagai

The director reported on the budget requests for FY2000 as follows:

1. Returning staff position to Yamagata University and Kyoto University.
2. Starting a group to support the operation of LEPS at SPring-8.
3. Upgrade of the AVF cyclotron.

- Short discussion was made on the budget request.

Future plan and new projects

- Ultra Cold Neutron (UCN) source

The director reported that RCNP approved the UCN project after the confirmation of the validity of the new method of the UCN production with the condition that the main budget for the project should be available from the outside. There was a question about the condition of the approval. The committee discussed on the possibility of the budgetary support from RCNP. The decision was postponed until the result of the great application will be clear.

- Nuclear Theory Lecture series

H.Toki (RCNP) proposed to start a lecture series, Nuclear Theory Lecture.

The frequency of the lecture will be one lecture/month, and travel and local expenses for participants (young researchers) will be supported. The proposal was generally approved, and H.Toki, S.Hirezaki (Nara Woman's U.), T.Watabe (RCNP) and T.Sato (Osaka U.) will work for starting the lecture series.

RCNP workshop

- GR2000

M.Fujiwara (RCNP) requested budget support for the international conference GR2000 (June 12-15, 2000). The request was approved by PPAC and sent to Director.

- LEPS2000

H.Shimizu (RCNP) requested budget support for the international workshop LEPS2000 to be held as a pre-symposium of SPIN2000. The request was approved by PPAC and sent to Director.

Others

- Director reported the status of discussion on the possible change of the management system of Osaka University. The committee discussed on the relation between the change of the management system and the future prospect of RCNP.

The next PPAC meeting will be held on July 17(Mon), 2000.