

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

Date: July 17, 2000, 10:00 – 17:00

Attendance:

T. Kobayashi (Tohoku U.), H. Okamura (Saitama U.), H. Sakaguchi (Kyoto U.),  
A. Sakaguchi (Osaka U.), A. Ohnishi (Hokkaido U.), Y. Sakuragi (Osaka City U.), K.  
Masuda (Nagoya U.), I. Endo (Hiroshima U.), A. Masaike (Fukui U. Tech.), T. Suzuki  
(Fukui U.), T. Sato (Osaka U.), H. Shimizu (RCNP), M. Fujiwara (RCNP), K. Sato  
(RCNP)

\* PPAC requested

Y. Nagai (RCNP), H. Hatanaka (RCNP), S. Ninomiya (RCNP)  $t_i$  is this so? Director is  
requested from PPAC? Please check also others to attend. Hatanaka should be also there as  
a program coordinator.

Absentee:

T. Otsuki (LNS Tohoku U.), K. Hicks (Ohio U.), H. Toki (RCNP)

## Discussion

According to the discussion of the RCNP steering committee, PPAC members discussed the  
problem concerning the selection of the PPAC chairperson and secretaries. The conclusion  
of the PPAC committee will be explained by the PPAC secretary, A. Sakaguchi, in the next  
RCNP steering committee.  $t_i$  this part is very important. Please write it in detail here. This  
should not be a secret matter and the PPAC member should agree on this. Since I could not  
attend this meeting, I did not express my opinion and I will definitely do so in the steering  
committee. Please write the discussion.

## REPORTS

### General report by Director

- A new beam transport system for high resolution measurements with the Grand Raiden spectrometer works well. A resolution of 13 keV was achieved in the proton inelastic scattering measurement at  $E_p=397$  MeV.  $t_i$  what is then the experimental data?
- A new beam line for the Lambda hyperon production experiment is designed.  $t_i$  is it a big thing? If the construction is done, it is a big thing. Does this mean that the design is done and ordered for construction to a company?
- A test LEPS experiment at SPring-8 run from the middle of May to the middle of June, 2000.  $r_i$  this is not clear also. Better to say; A test experiment run was performed.. This test experiment was successful and several points of consideration for next experiments was clearly identified. Something like this.
- Experiments at the Oto Cosmo Laboratory continue for the possible dark-matter search.  $t_i$  good or bad.
- The GR2000 conference was held on 12-15 June. The number of the attendances were about 150.

- The SPIN2000 conference will be held on 16-21 October.
- The LEPS2000 workshop is scheduled on 14-15 October as a pre-workshop of the SPIN2000.
- Details of the budget requests were explained.  $t_i$  by whom? Main items of the requests to Monbusho are;
  1. Returning of two positions  $t_i$  one to Yamagata and the other to Kyoto to Yamagata University and Kyoto University.
  2. Support of the operation of LEPS at SPring-8.
  3. The performance upgrade of the present AVF cyclotron.

A problem in supporting the travel cost for the SPring-8 experiment was noted and discussed.  $t_i$  what is the conclusion.

- Calls for positions(End of call):
  1. Research Associate for the SPring-8 experiment (August 14)  $t_i$  the deadline is Aug.14.
  2. Associate professor position for the ring cyclotron experiment (September 4)
  3. Discussion on the selection of a new associate professor in the theory group now starts.  $t_i$  this way of saying is very bad. The selection process is being made for the new associate professor..
  4. One COE position and one researcher position open due to that Dr. Watabe gets a permanent position at Kochi-Ika University, and Dr. Yonehara left to University of Michigan as a PostDoc, respectively.

## Reports from each group in RCNP

- Accelerator group: S. Ninomiya
  1. Activities at RCNP Ring Cyclotron Facility were reported. To get a high quality beam acceleration in the ring cyclotron, the stability of the injected beam from the AVF cyclotron is important. To check the stability of the magnetic field of the AVF cyclotron, a NMR probe was set near the pole of the AVF cyclotron magnet.
  2. An installation of a new ECR ion source started.
- Nuclear Science 1A: H. Hatanaka
 

Details of the new WS course and its performance were explained.  $t_i$  I feel this part is written. At least the item of the talk.
- Nuclear Science 1B: M. Fujiwara
 

Some preliminary results from the recent LEPS experiment at SPring-8 were reported.  $t_i$  good or bad
- Nuclear Science 1C: Y. Nagai
 

Recent activities at the Oto Cosmo Laboratory were shown.  $t_i$  what is explained.
- Computer: H. Shimizu

1. The next host computer system at RCNP was decided by bit on 29 June. An  $t_j$  what is bit? Is this a vote of the committee?  
IBM Unix system will replace the present system.  $t_j$  be introduced as a new system.  
The installation of the IBM system will start at the end of August.
2. Formal operation of the IBM computer system start on 1 December. Test operation is scheduled to start on 1 November.
3. The committee started discussion on how to give an account to the user in connection with the general RCNP user registration.  $t_j$  and what is the conclusion?
4. Information on the performance and the operation of the next computer will be announced in relation to the fire-wall security system.  $t_j$  what is the discussion?

## DISCUSSION on Research Programs at RCNP

- The general remarks on the present situation of RCNP were reported by Y. Nagai. A booklet of the report of the review committee (January 2000) was handed to the PPAC committee members. Discussion points were:
  1. Role of RCNP as one of the national user facilities in Monbusho is important for development of advanced sciences, education of young scientists, experience of professional scientific carrier.
  2. Scientific projects should be considered by taking into account a limited number of the RCNP staff members.  $t_j$  difficult sentence
  3. Discussions on the future projects in the past were shown and the problems of the projects were pointed out from the viewpoint of cost, site, and engineering development.  $t_j$  this part should not be mixed with the review report.
  4. The Review Committee reports that the activities of RCNP are relatively diverse, and the RCNP theory group should play a leading role in the field of (low energy) nuclear physics.  $t_j$  is this written so?
- Collaborative work between theory groups and experimentalists were discussed. The PPAC will organize a good system to support the scientific activities at RCNP by the mutual effort from both experimental and theory sides. One way to solve this problem is that the PPAC encourages the experimentalist to invite theorists in the COE program.  $t_j$  please do not mix the report and the opinion.
- There was a request that the support for the ring cyclotron experiment should be specially considered for a small group.  $t_j$  what is this?
- The PPAC suggested that statistics of education and scientific achievements are necessary for RCNP as the national user facility.  $t_j$  what then you do?

## Web site of PPAC

PPAC discussed to present information on the minutes of the PPAC meeting, and requested that the minutes should be officially displayed in the web site with the help of the official staff of RCNP.  $t_j$  this is good. But, if so, the minutes should be carefully made.

## **SPring-8 activities**

PPAC discussed the supporting system for the user's experiment at SPring-8.  $t_i$  then? What is the method to solve the problem?

Documentation for the LEPS experiment should be approved in the RCNP Steering Committee. The schedule is:

1. Middle of August: Draft of the document.
2. Beginning of September: Discussion on the draft, improvements and corrections by PPAC committee members (by e-mail). Making the first draft for the SPring-8 experiment.
3. Middle of September: Discussion on the first draft at the Steering Committee.
4. 2 November: Final correction and improvement of the draft.
5. Middle of November: Final agreement at the Steering Committee.

There were some requests to the call for the experiments at SPring-8. An idea of submitting the "KAKENHI" budgets from the user side was proposed. PPAC members agreed that discussion on a new style of using the national user facilities should be started at the next meetings "Kakudan" and "Kakuri-kon" in Niigata.  $t_i$  this is an idea. I do not see yet what is the problem and what RCNP wants to do to solve the problem.

## **RCNP workshop**

RCNP-RIKEN workshop on "Exotics in Hadron Many Body Systems" was proposed by S. Hirenzaki. Its support from RCNP has been approved. The workshop will be scheduled in November 2000.

## **RAIDEN and CARP**

PPAC discussed how to treat the two spectrometers "Raiden" and "Carp", which were not used for a long time after the construction of the new ring cyclotron. M. Fujiwara, H. Sakaguchi, and K. Hatanaka will study the actual demands for these spectrometers, and will present a conclusion as a sub-committee of PPAC.  $t_i$  what is this sub-committee? Is the sub-committee for this formed?

## **International collaborations**

Fujiwara reported that ORSAY-RCNP collaboration for the polarized HD target at SPring-8 is discussed and the travel budgets are submitted to  $t_i$  will be?

JSPS and Centre National de la Recherche Scientifique (CNRS) in this summer.

## **Next PPAC**

The next PPAC meeting will be held on 1 November 2000.