
Minutes of PPAC on Jan. 8, 2002

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

Date: Jan. 8, 2002, 10:00-17:00

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.),
K. Masuda (Nagoya), I. Endo (Hiroshima U.),
M. Nomachi (Osaka U.), T. Suzuki (Fukui U.),
H. Shimizu (RCNP), M. Fujiwara (RCNP), K. Sato (RCNP), A. Hosaka (RCNP)

Absentee:

T. Kobayashi (Tohoku U.), T. Otuki (LNS Tohoku U.),
T. Kunihiro (YITP Kyoto U.), K. Hicks (Ohio U.)

PPAC requested H. Toki (RCNP, Director), K. Hatanaka (RCNP), T. Itahashi (RCNP)

1. Report:

* General Report (H. Toki):

.... Budget and Re-Organization:

COE, Top30, Indep. Organization (独立行政法人)

.... Change of Staffs/Members:

Ogata (-> Kyushu U.), Yorita (-> Spring8)

Yamaguchi (<- Ehime U., YN), Yoshimura (<- Kyoto U., UCN)

.... Physics: UCN, Spring8

* Report on the Steering Committee (12/22, 11:00-, A. Hosaka):

.... Report on Change of Staffs/Members

.... Activity Reports:

(30 years anniversary, EMI2001, Hatanaka, Nakano, Sato, Hosaka)

.... Discussion:

Indep. Organization, Top 30, Reduction of Budget (H14 → 10 %)

* QPAC Report (A. Hosaka):

The results of QPAC meeting (Hatsuda, Hosaka, Nomachi (chair),

Kasagi (Observer)) in September 2001 were reported by A. Hosaka.

They are also shown in the Annex, and already sent to the contact persons.

* Report for the future plan (Hatanaka, Sato)

FFAG, Ring Synchro-Cyclotron, and AC-AG Synchrotron

have been considered as the next accelerator in RCNP.

(Ep, I)=(1 GeV, 10 mA) machine will cost around 8-10 Byen.

If we require Ep=2.7 GeV, cost will be larger by about 30 %.

To put the next accelerator in the present building or in the present site,
more area (tennis court area ?) and better shield for walls are necessary.

2. QPAC member change:

Present members:

M. Nomachi (chair), A. Hosaka, T. Hatsuda, S.H. Lee, I. Endo, K. Masuda

Following rules for member selection and experiment selection are proposed.

* Regular PAC meeting will be held in September in each year.

(Irregular meeting can be held anytime when necessary.)

* Six QPAC members are in charge of proposal selection for one year,
and the QPAC member can be selected again in sequential terms.

(任期 1 年、6 名、再任を妨げない)

* QPAC members should include one or two PPAC members,
and a few theoretists.

* In the first PPAC meeting every year just after the PPAC member
change, two QPAC members from PPAC will be selected.

* It is preferable to have oral presentations opened to public
at the selection of proposals.

* QPAC can request experimental groups to report the experiment status
in the middle of experimental period.

3. Workshops

RCNP will call Workshops in 2002 as in the last year.

Deadline is set to 2/25 (Mon.).

It is also concluded that PPAC members proposes a workshop which is dedicated to the discussion on the future plan of RCNP.

4. Discussion of the RCNP future program

RCNP future plan is discussed, and following direction was suggested for the proton machine.

- * The next "Dream Machine" can be opened to public, but we should put the main motivation in nuclear physics. RCNP is strong in
 - * Spin-isospin excitation of nuclei, and neutrino interaction
 - * Single and Double Giant Resonances
 - * Pion physics and Chiral Symmetry
 - * Cluster excitation in stable and unstable nuclei
 - * Few-body physics
- and we should keep these strong points also in the next machine.

* Midium time scale:

Injector upgrade and Ion source upgrade will cost around 2 Byen, and the resolution is improved a lot by these upgrade.
These upgrades increase the above mentioned strong points of the current Ring Cyclotron.

* Long time scale:

Dream machine construction should be considered.
We expect $E_p=(1-3)$ GeV, and $I \geq 10$ mA. The essential points to keep strong points are Beam Polarization and Good Resolution.

5. Others

- * Next PPAC will be held on March 1 (Fri.), 2002.