

Minutes of PPAC on November 13, 1999.  
(taken by T. Nakano)

Place: RCNP, Osaka University, Meeting room  
Date: November 13, 1999, 10:30–19:00

Attendance: H. Sakuragi (Osaka City U.), H. Sakaguchi (Kyoto U.), K. Asahi (TIT), I. Endo (Hiroshima U.), S. Shibata (Kyoto U.), Y. Shimizu (Kyushu U.), S. Tasaka (Gifu U.), M. Oka (TIT), A. Sakaguchi (Osaka U.), T. Sato (Osaka U.), H. Toki (RCNP), M. Nomachi (RCNP), T. Nakano (RCNP), Y. Nagai (RCNP)\*, K. Hatanaka (RCNP)\*, and K. Sato (RCNP)\*

\* PPAC requested.

Absentee: A. Masaike (Fukui Inst. Tech.), V. Gogohia (RCNP), K. Hicks (Ohio U.)  
T. Murakami (Kyoto U.)

**[A] REPORTS**

1. General report by Director Y. Nagai.
  - RCNP will host PANIC in 2002.
  - RCNP Review will be held on January 5 and 6, 2000. Review committee members are Profs. M. N. Harakeh, H Kamitsubo, K.-I. Kubo, S. Nagamiya, A. Sandorfi, K. Sato, J. Speth, Z. Sun, S. Yamada.
  - Personal affairs: Dr. T. Shima was moved to RCNP from TITech. A professor position for LEPS is open.
  - Status of mid-term and long-term projects were reported: PEARL project is still under consideration. Re-utilization of TARN2 at RCNP-RING will be discussed at a workshop in December.
2. From each group in RCNP.
  - Accelerator & Information I by K. Sato, S. Ninomiya.
    - New extraction method using a RFQ in a quadratic magnetic field is under study.
    - Status of R & D for beam stability improvement was reported.
  - Accelerator & Information II by M. Nomachi.
    - Specifications of a new main computer system were presented (Major upgrade = 20TB disk).
    - The 5-year contract will start on December 1, 2000.

- Nuclear Theory by T. Watabe, H. Toki.
  - A recent topic of ongoing activities was reported; a role of instanton for color confinement, and its application to  $\pi - \pi$  scattering.
  - Confinement 2000 will be held in March, 2000.
- Nuclear Science IB by T. Hotta.
  - The first LEP beam was produced on January 1st.
  - Status of detector construction and commissioning was reported.
- Nuclear Science IC by S. Yoshida.
  - Dark matter search at Oto using an annual modulation method was presented.
- Nuclear Science IA by S. Shimizu, E. Obayashi.
  - Recent progresses of “snow ball” projected was reported.
  - Experimental result of  $(p, 2p)$  and its analysis with DWIA was presented.
- B-PAC by K. Hatanaka.
  - Results of B-PAC on July 10 were reported.

**[B] DISCUSSION ON NEW PROJECTS**

- Ultra Cold Neutron production (Y. Masuda, KEK).
- Cold fusion (H. Toki, RCNP).