

## Computer and network system at RCNP

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We are in about the fourth year in the operation period of the present system of the computer and network in RCNP since it was introduced in December of 2000. A distinguished feature of the RCNP computer system is that it accommodates a large storage space of about 58 TB including disks (38TB) and tapes (20TB). The specification and performance were briefly described in the annual report of last year[1] In the academic year of 2003, we have introduced the following services:

- One storage disk (about 10TB) is additionally assigned to super computer users. This is requested mostly from the groups of lattice QCD simulations.
- We have started the wireless LAN service in the RCNP lodging.
- We have introduced the new Giga-bit firewall system, which connects our general purpose computer and the computer system of Kyushu Univ. through Super SINET network. This new system also connects to HEPnet-J and ODINS with different network lines. And also enabled us high-speed file transfer to/from SPring-8 and overseas.

In the following, we report the summary status for the use of the RCNP computer in the year of 2003.

- Fig.1 shows the number of users and disk space in use in home directory. Starting from the initial values in December of 2000, they increase roughly monotonically.
- Fig.2 shows the number of batch jobs.
- Fig.3 shows the used CPU times for batch jobs.

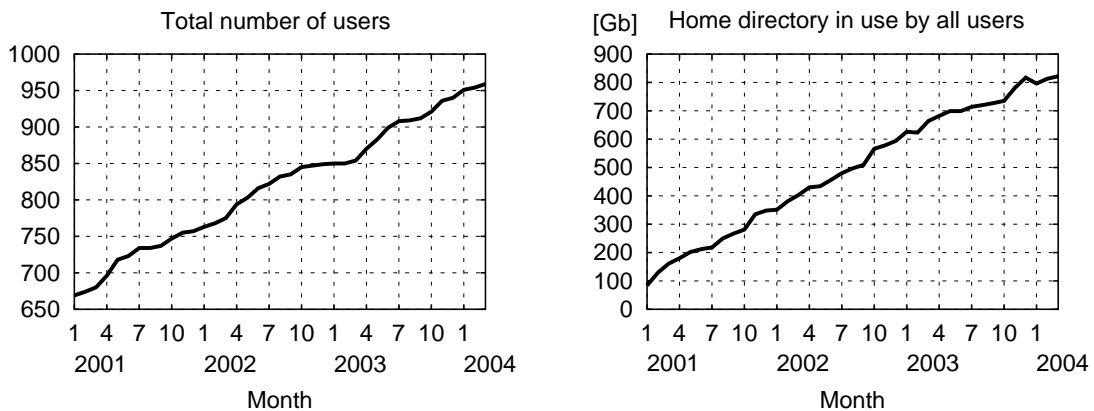


Figure 1: Total number of users (left) and home disk space in use by the RCNP computer users (right).

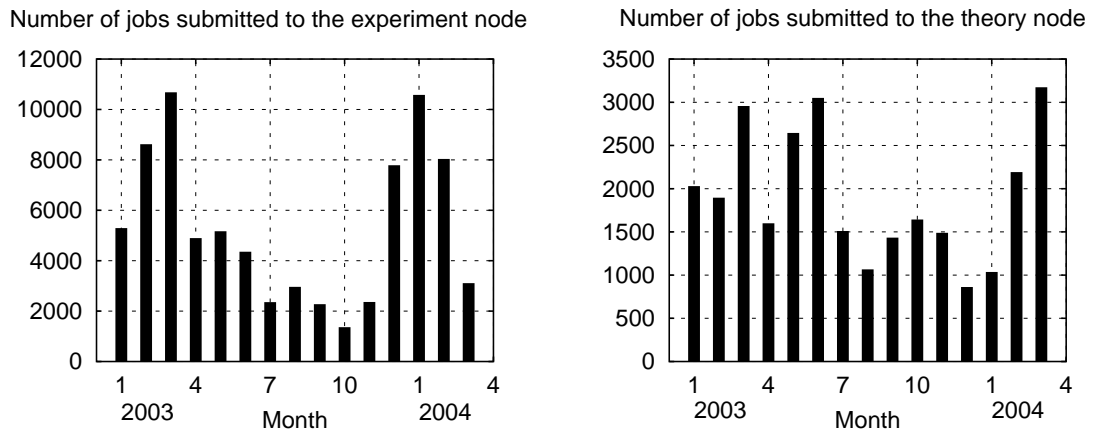


Figure 2: Number of batch jobs to the experiment node (left) and to the theory node (right).

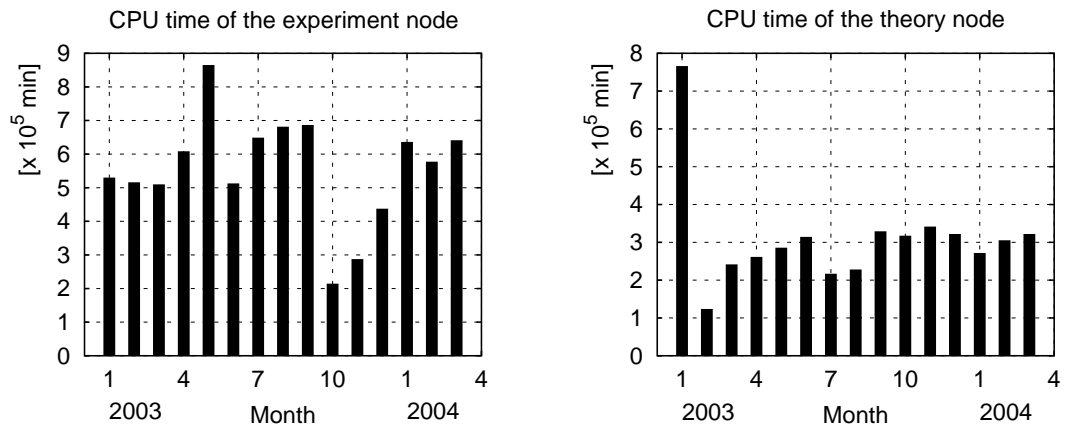


Figure 3: CPU time of batch jobs to the experiment node (left) and to the theory node (right).

## References

- [1] H. Togawa and A.Hosaka, RCNP Annual Report 2002 (2002)159.