Computer and network system at RCNP

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We are in the last two years of the operation period of the present system of the computer and network at RCNP since it was introduced in December of 2000. The current feature of the RCNP computer system is that it accommodates a large storage space of about 58 TB including disks (38 TB) and tapes (20 TB).

Since the next replacement will occur in the fiscal year of 2005, most activities in the year of 2004 of the computer group was devoted to the designing the new computer and network system. We are expecting to introduce a new system with about ten times higher performances than the present one both in the speed of CPU and the size of the storage.

Furthermore, since our super-computer system will be also replaced in two years, we have discussed the direction of our super-computing system which will be needed for the purpose of our nuclear and particle physics. We have organized a user's meeting in October in order to compile opinions of super-computer users.

The following two figures show summary status for the use of the RCNP computer in the year of 2004.

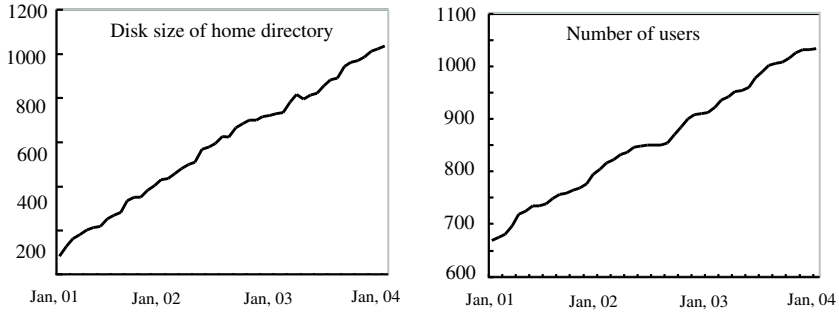

Figure 1: Total number of uses (left) and home disk space in use by the RCNP computer users (right).

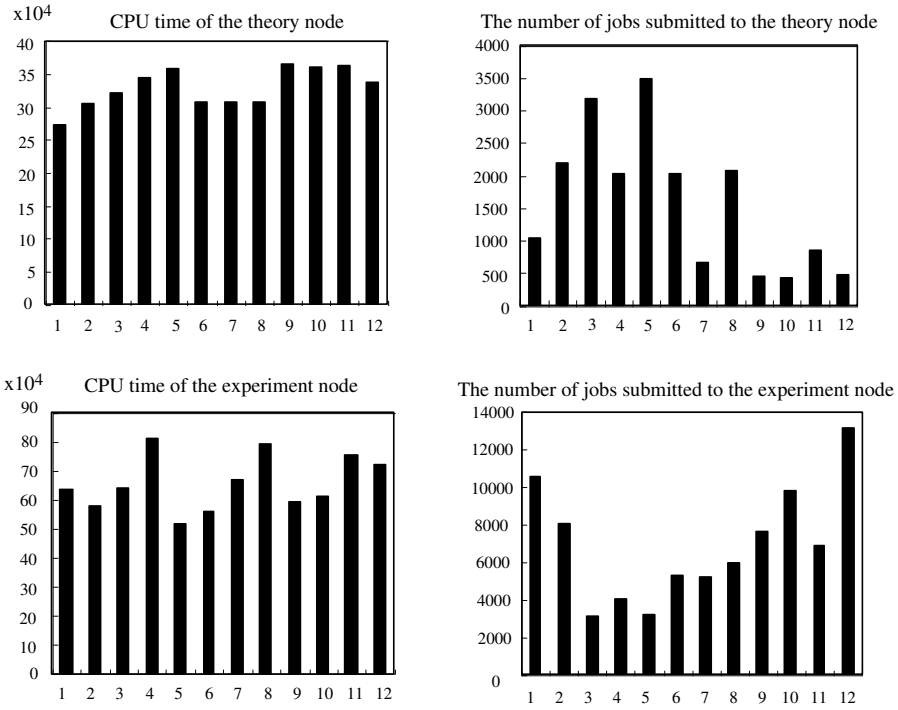

Figure 2: Batch jobs (number of submitted jobs and CPU time) on the RCNP computer.