PHENIX–CC–J Status Report

http://ccjsun.riken.go.jp/ccj/

Hardware status
100K simulation
regional use

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20000913 PHENIX computing meeting

Hardware current status

- Linux farm (RH6.1)
  - 128cpu(450Hz x32, 600x32, 700x32, 850x32)
    - 256MB memory + 512MB swap / cpu
- NFS server + Login Server (Solaris 2.6)
  - SUN E450 x 2
- RAID 1.6TB x 2 for work region
- HPSS 100TB (tape volume)
- Tape duplication facility at BNL (RedWood)
  - copy DST from rcrs to tape –> ship to Japan
  - Data chain test should be done

Hardware plan (this year)

- RAID 5.7TB
  - Fiber channel I/F x4
  - read 58MB/s, write12MB/s for 2GB file (bonnie)
- SUN E450
  - Data mining / NFS Server
- Linux 64 cpu
- HPSS
  - More tape drives and cash disks.

100K simulation status

- Run00a (retracted/no−field)
  - PISA 2000event x 50 run are finished.
    - 3days/5days on fast/slow CPU
  - response/reconstruction : waiting for tagging
    - Estimated 4hours for each chain (on slow cpu)
- Run00b (standard/no−field)
  - Ready to go about PISA
    - planned after Wedensday shutdown

Regional use

- PHENIX–J members are using CC–J for their analysis
- PHENIX programming environment
  - supported using AFS (with Solaris2.6)
    - Linux are seeing the Local copy of AFS region
    - Copy (rsync)server for Hiroshima/CNS/Tsukuba
      - About 6GB, daily
- Objy (after new FDB release(9/8))
  - Remote access test from CC–J to phoncs01
  - Copy and read : now testing