Experimental HEP Computing

Experimental HEP group runs workstation "cluster"

- SGI Crimson (4D-CRIM) file server (R4000)
  - 8 Gb disk
  - tape drive
  - FDDI and Thinwire ethernet
- 3 Indigo II workstations (R4400)
  - 11 and 14 Gb of SCSI disk
  - Exabyte tape drives
  - FDDI and Thinwire
- SGI 4D-35 workstation (R3000)
- Two processors of Irides 4D-280 (R3000)
- Six older DEC stations
- Seven X-terminals
- Sun SPARC with 2 Gb disk
- 5 PC's for secretary and lab use

Computing Resource Needs

Group has relied on PCS to provide:

- System software maintenance (Varsity)
- System hardware maintenance and diagnosis
  - FDDI loop
  - Peripherals
  - Monitors
- Backup of critical data
  - Want to redefine set of disks
- E-mail and network access
- Consultation/assistance on hardware purchases
  - expedite orders
  - install new peripherals
- access to modem pool and printers
- Consultation on security issues

New Projects

Have a number of outstanding projects:

- Installation and testing of MBONE
  - Do we have necessary bandwidth to FNAL/CERN?
- Become ASF client site for HEP software
- Complete unification of cluster
  - unified password file
  - common login directories from all machines
  - sharing of all disks and tapes?