

# User Facilities: Findings (1)

- Both Tier 1 and the 3 (!) tier 2 prototypes are operational and contributing to CMS, while also serving as useful R&D platforms
- Good progress has been made towards configuring these systems into a useful grid for MC production
  - Supported one specific physics activity: jets
- Delivered good tier 1 support of tier 2 sites
  - Regular trips to tier 2 sites for hands on support
  - Code distribution

# Findings (2)

- Good level of effort under way on computer center component evaluation
  - Disk subsystems (much done, test/performance suite development)
  - Analysis cluster w/ commodity components (soon)
  - Caching sub-system (soon)

# Findings (3)

- Good cost models for various components (boxes)
- Milestones, work plans well support CMS goals overall
- Near term personnel allocation:
  - 02: very good: appropriate for tasks
  - 03: total OK, network increase too large, better allocated to additional R&D
  - 04: ditto
- Long term tier 1 cost projections are conservative, both in personnel and hardware

# Minor Recommendation

- Continue focus on testing (and development of tools for testing) rather than on highly robust, production deployment of hardware
  - (may impact strategy for '02-'04 disk procurements)
- (Future Activities)
  - Revisit tier 1 hardware plans prior to procurement
  - Benchmark staffing against best-in-class facility