Short CSCS Tier-2 status
for RDCCG-TAB Meeting
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- **Present WN + Storage Hardware**
  - 50 SUN X2200 blade servers with 2 QC Opt 8216 (2.4GHz)
    - 400 cores ⇨ ca. 700 kSI2k
  - 12 SUN X4500 "Thumpers" with 24TB of raw storage each
    - ~ 210 TB of RAID/Z (5) storage offered through dCache

- **Octobre 2008 upgrade will lead to a total of**
  - 60 SUN X2200 blade servers with 4 QC Opt 8356 (2.3GHz)
    - 960 cores, 2GB RAM/core ⇨ ca. 1680 kSI2k
  - 29 SUN X4500 "Thumpers" with 24TB of raw storage each
    - ~ 510 TB of RAID/Z (5) storage offered through dCache

- **Planned Fall of 2009 upgrade**
  - + 50 blade servers ⇨ ca. 3000 kSI2k for total cluster
  - + 23 storage servers ⇨ ca. 900 TB storage for total cluster
  - Application for required funds is now ongoing (must be done yearly)

- Serving ATLAS, CMS, LHCb

- No major problems during this year, but

  - Too many downtimes due to MW upgrades. Since MW is still too stupid to propagate job times to local queueuing system, this means downtime + max queue time of real downtime.

  - Storage requirements, specific VO usage modes + dCache quirks lead to misunderstandings and lots of work with not enough centrally coordinated help (example configurations).

  - Challenges were very useful, but not all VOs made substantial usage of the resources (only CMS fully exercised CPU + storage intensively during CCRC08).

  - Still looking for additional staff members

- Built up / enlarged a number of Tier-3s this year and intensified T2-T3 collaboration (Geneva, Bern, PSI)

- More information: https://twiki.cscs.ch/twiki/bin/view/LCGTier2/WebHome