

# Grid Status at DESY



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DE/CH Federation Meeting

06/07 June 2005

Manno/CH

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## Grid Infrastructure: VOs

- VOs hosted at DESY:
  - Global: 'hone', 'ilc', 'zeus' (registration via LCG registrar system)
  - Regional: 'calice', 'dcms', 'ildg'
  - Local: 'baikal', 'desy', 'herab', 'hermes', 'icecube',
- VOs supported at DESY:
  - Global: ('atlas'), 'cms', 'dteam',
  - Regional: 'dech'
- H1 Experiment at HERA ('hone')
  - DESY, U Dortmund, RAL, RAL-PP, Bham
- ILC Community ('ilc')
  - DESY, RHUL, QMUL
- ZEUS Experiment at HERA ('zeus')
  - DESY, U Dortmund, INFN, UKI, UAM, U Toronto, Cracow, U Wisconsin



# Grid Infrastructure: Nodes

http://grid.desy.de/

- SL 3.04
- Quattor (OS for all nodes; complete installation for WNs)
- Yaim (for all service nodes)
- LCG-2\_4\_0
- Central VO Services:
  - VO server (LDAP)
  - Replica Location Services (RLS)
- Distributed VO Services:
  - Resource Broker (RB), Information Index (BDII), Proxy (PXY)
- Site Services:
  - GIIS: ldap://grid-giis.desy.de:2170/mds-vo-name=DESY-HH,o=grid
  - CE: ldap://grid-ce.desy.de:2135/mds-vo-name=local,o=grid
    - 24 WNs (48 CPUs, XEON 3.06 GHZ)
  - CE: ldap://zeus-ce.desy.de:2135/mds-vo-name=local,o=grid
    - 17 WNs (34 CPUs, XEON 1GHz)
  - SE: dCache-based with access to the entire DESY data space
  - Storage: disk 5 TB (+ 15 TB this summer), tape 0.5 PB media (2 PB capacity)

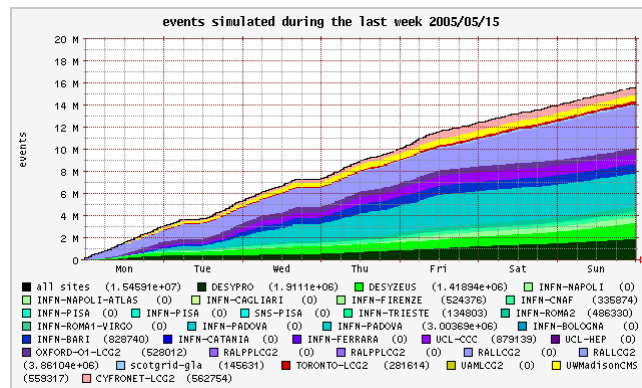


# ZEUS @ Grid



http://grid.desy.de/

- > 220 M events have been produced on the Grid since Nov 2004
- 2/3 produced outside DESY





egee

<http://grid.desy.de/>

## Grid Infrastructure



- SuperMicro Superserver
- rack-mounted 1U servers
- dual Intel P4 XEON 2.8 / 3.06 GHz
- 2 GB ECC DDRAM
- GigaBit Ethernet
- 80 GB (E)IDE system disk
- 200 GB (E)IDE data disk
- 10 Gbit/s DESY back-bone
- 1 Gbit/s WAN (G-WIN)

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DE/CH, Manno/CH, 06/07 June 2005

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