GRID2003 today
Open Science Grid tomorrow

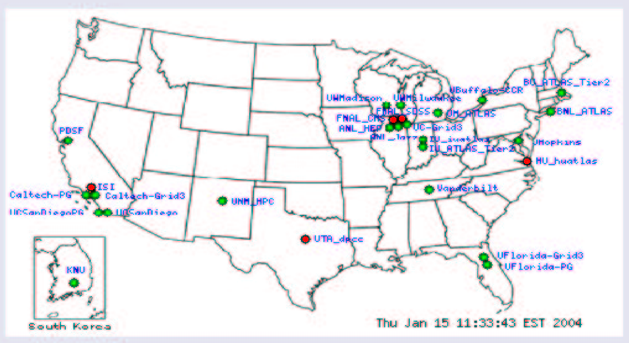
The GRID2003 Project : A collaboration between U.S. ATLAS, U.S. CMS, iVDGL, PPDG, GriPhyN for a Functional Grid Demonstrator and a simple Grid Environment for our Scientific Applications:

- Large Hadron Collider Simulation Production
- Computer Science Technology Demonstrations
- LIGO & SDSS Analysis
- BTeV Simulation
- Computational Biology

The Open Science Grid will build the partnerships for a national production Grid infrastructure. The first production demonstrators in 2004 are driven by the needs of the LHC (U.S CMS, U.S. ATLAS) experiment data challenges.

The Open Science Grid consortium will include Fermilab, other DOE laboratories, experiments (including CDF, D0, BTeV), universities, computer science groups, and grid projects.

GRID2003



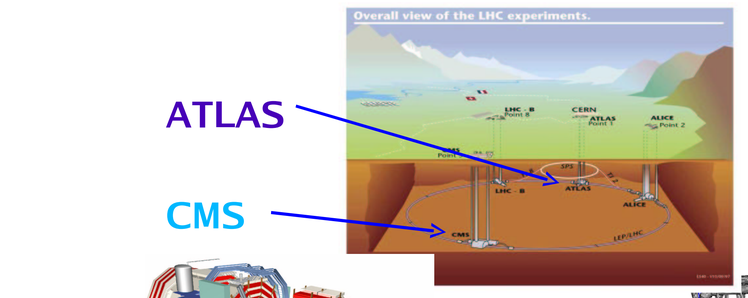
1 to 27 of 27 ◁ ▷ sort by: Class entries per page: 100 view: Summary

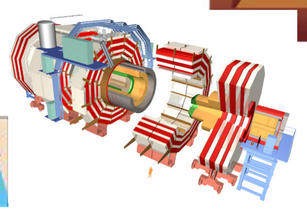
Class: CS(E) = Compute Service (Exemption), DS = Data Service, TS = Test Site, SI = Site Installing

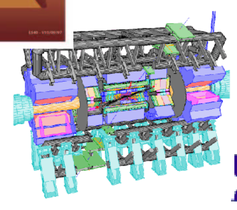
Site Name	Node Name	Class	Loc	VO	Administrator	CPUS
BNL_ATLAS	spider.usatlas.bnl.gov	CS	NY	USATLAS		20
BU_ATLAS_Tier2	atlasgrid.bu.edu	CS	MA	USATLAS		16
CalTech-Grid3	citgrid3.cacr.caltech.edu	CS	CA	USCMS		12
CalTech-PG	tier2b.cacr.caltech.edu	CS	CA	USCMS		66
FNAL_CMS	velveeta.fnal.gov	CS	IL	USCMS		80
HU_huatlas	xena.hamptonu.edu	CS	VA	USATLAS		3
IU_ATLAS_Tier2	atlas.iu.edu	CS	IN	USATLAS		64
IU_iuatlas	iuatlas.physics.indiana.edu	CS	IN	USATLAS		4
JHopkins	hydra.pha.jhu.edu	CS	MD	SDSS		40
KNU	cluster28.knu.ac.kr	CS	Korea	USCMS		3
UBuffalo-CCR	acdc.ccr.buffalo.edu	CS	NY	IVDGL		80
UC-Grid3	grid02.uchicago.edu	CS	IL	USATLAS		3
UCSanDiego	uscmstb0.ucsd.edu	CS	CA	USCMS		2
UCSanDiegoPG	t2cms0.sdsc.edu	CS	CA	USCMS		42
UFlorida-Grid3	ufgrid01.phys.ufl.edu	CS	FL	USCMS		42
UFlorida-PG	ufloridaPG.phys.ufl.edu	CS	FL	USCMS		80
UM_ATLAS	atgrid.grid.umich.edu	CS	MI	USATLAS		11
UNM_HPC	lldimu.alliance.unm.edu	CS	NM	USATLAS		516
UWMadison	garlic.hep.wisc.edu	CS	WI	USCMS		64
UWMilwaukee	nest.phys.uwm.edu	CS	WI	LIGO		296
Vanderbilt	a197107.n1.vanderbilt.edu	CS	TN	BTeV		12
ANL_Jazz	jmayor1.lcrc.anl.gov	CSE	IL	iVDGL		350
PDSF	pdsfgrid3.nersc.gov	CSE	CA	USATLAS		400
UTA_dpcc	grid.dpcc.uta.edu	CSE	TX	USATLAS		162
ANL_HEP	atlas12.hep.anl.gov	TS	IL	USATLAS		1
FNAL_SDSS	tam01.fnal.gov	TS	IL	SDSS		10
ISI	skywalker.isi.edu	TS	CA	iVDGL		35

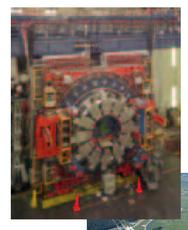
total cpu's: 2414

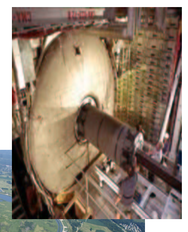
The LHC



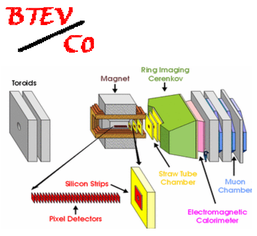




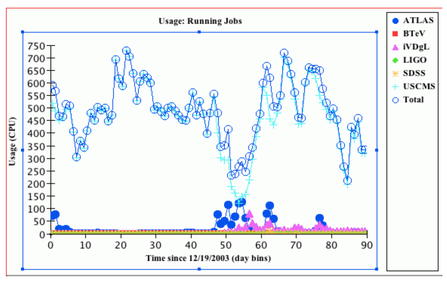


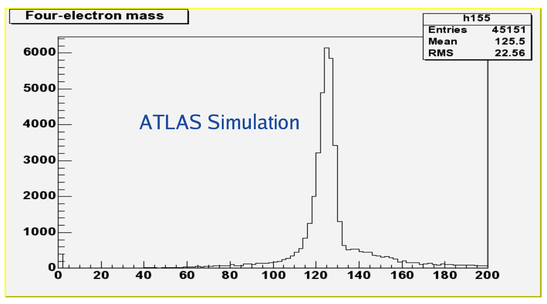


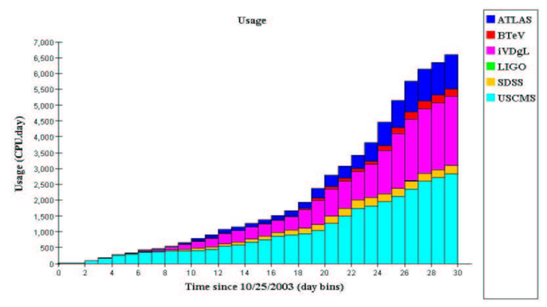
The Tevatron



Performance





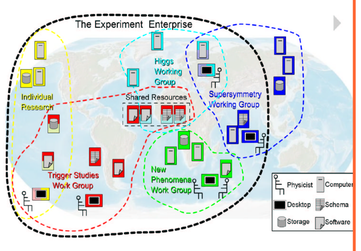
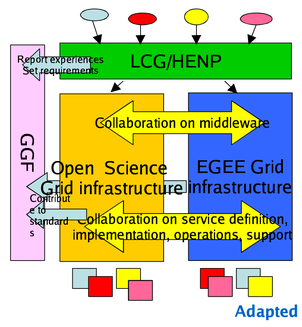
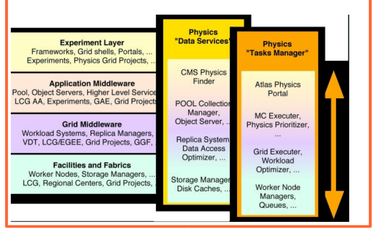


Operations

Middleware
- Virtual Data Toolkit: Condor, Globus, GLUE, EDG Voms

Monitoring
- Ganglia (packaging and hosting, support)
- Monalisa hosting, archival database for metrics

System Services
- Site verification scripting
- Web server support
- Support and Diagnosis

Virtual Organization Management
- VOMS services
- Account Mapping
- User Registration and Certificates

Analysis in the Future