

# NAF

## Operation Status.

### Operators Information for the Experiments

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# Subjects

- > General Remarks
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- > Ticket Statistics
- > Storage Issues
- > CPU Resource distribution
- > Job statistics
- > Questions



# General Remarks

- > Problems with cooling system
- > Some small hardware problems  $\Rightarrow$  afs-volumes had to be moved
- > Problems with glite installation
- > Atlas scratch disk several times full
- > new software installed: ImageMagick, doxygen
- > DE-Role not used much last month



# Action Item from last Meeting

## > Transfer tools within the Naf

- Transfers of a small size (2GB) can easily be done with opening the afs acls and transferring via cp
- Transfers of bigger files should be done via the dcache
- Using nc on SL5 system:

Start in one terminal for receiving usr1:

```
[usr1@tcx035]/dst/dir: nc -l 50123 |tar xvf -
```

and in another terminal for sending usr2 start:

```
[usr2@tcx035]/src/dir: tar cvf - subdir | nc localhost 50123
```

## > Transfers from another site to the Naf

- Start scp from Naf and copy to/from other site



# Naf ticket system statistics

- > 18 Tickets to naf-helpdesk
- > 13 forwarded to naf admins, 3 forwarded to some other experts
- > Most tickets (4) for scratch space, Software requests/problems
- > Then (3) for SGE problems/questions and access to the naf

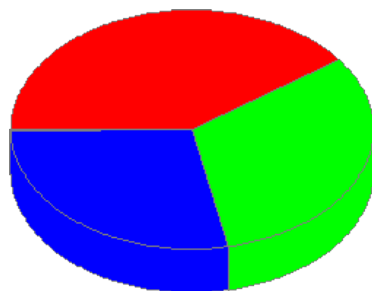


# Storage Usage

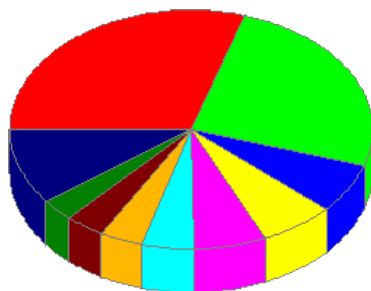
- > New Lustre Instance is tested by Atlas
  - > 60 TB will be available for LHCb and Atlas
  - > Distribution has to be done
  - > Lustre 1.8 was released, only available for SL5
  - > SL4 client is in “critical bugfixes only” mode for the next year
  - > won't work with the next server
- 
- > Lustre storage was full
    - ...produced many job failures
  - > Procedure has to be decided



# CPU Resource Distribution



atlas:40%	lhcb:32%
ilc:28%	cms:0%
support:0%	



lhcb1:30%	ilc1:25%
atlas1:7%	atlas2:7%
atlas3:7%	atlas4:5%
atlas5:4%	atlas6:4%
atlas7:3%	46 other:10%







# Questions

## From last meeting

- > SL5 tests?
- > Autoproxy tests?
- > Documentation read?

## Some wishes

- > Problems with SGE/Batch system should be reported asap with timing information for debugging
- > We would like to optimize on fast access analysis
- >  $\Rightarrow$  Therefore we would like to rethink the job length versus number of slots per host

