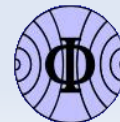# LHCb status report

Recent experience, problems and suggestions

Use cases

- No changes since the day 1, except:
    - REAL data are there
    - The total data size is increased
- We are in general happy with NAF!
    - but...

Data access from jobs

- The problem:
  - The total number of jobs accessing LHCb data is limited by the number of d-cache pools/connections
  - The upper limit for number of such jobs running in parallel is not limited

- The proposal:
  - Add "lhcbio" Complex (INT, Requestable, Consumable)
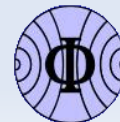 - Set Host/Global restriction on it to 150

Parallel jobs from one user

- The idea:
  - It can be useful to let the user decide how many jobs in parallel he/she runs

- The proposal:
  - Add "userjoblimit" Complex (INT, Requestable, Consumable)
  - Set Host/Global restriction to very big number
  - Set Resource Quota with:
    limit   users {*} to userjoblimit=1000

Remote data access

- The problem:
  - We can not get more than 2 MB/Sec per transfer. Tried:
    - scp NAF Luster -> HD
    - lcg_cp NAF srm -> HD
    - scp pub.ifh.de -> HD
    - scp pub.ifh.de -> login.gridka.de
- At the same time:
  - scp bastion.desy.de -> HD (20 MB/Sec)

Disk space

- We need more space (on Luster and d-cache)

  - almost double from what we have now

  - the numbers were specified in LHCb-requirements document