

- ATLAS plans for 2006
- Tier2-Tier1 transfer tests

(See <http://agenda.cern.ch/askArchive.php?base=agenda&categ=a056461&id=a056461s2t3/transparencies>)

- **Computing System Commissioning, CSC: throughout 2006**
  - ◆ Calibration and alignment procedures and conditions DB
  - ◆ Full trigger chain
  - ◆ Event reconstruction and data distribution
  - ◆ Distributed access to the data for analysis
- The goal is to be ready to take data with cosmic rays at increasing rates at the end of 2006

## • **Service Challenge 4: Tier-0 dataflow tests**

- Phase 0, 3-4 weeks in March-April: internal Tier 0 tests
- Phase 1, last 3 weeks of June: data distribution to Tier 1, send AODs to few Tier 2
- Phase 2, 2-3 weeks in September-October: extend data distribution to all Tier 2

## • **Service Challenge 4: Distributed production**

- Run distributed simul productions throughout 2006
- Full simul chain run at Tier 2 and Tier 1, data distribution to Tier 1, Tier 2 and CAF
- Reprocessing of raw data at Tier 1, data distribution to other Tier 1, Tier 2 and CAF: could use 3 weeks in July and 3 weeks in October

## • **Service Challenge 4: Distributed analysis**

- Tests can be run 2 weeks in July-August and a longer period in November
- “Random” job submission accessing data at some Tier 1 and most Tier 2
- Tests of performance of job submission, distribution and output retrieval

## • Service Challenge 4 requirements

### Tier 1

Appart from standard grid services they should have:

- SRM on all storages
- LFC server
- FTS server (glite 1.5 FTS)
- Disk-only area on all tape systems
- VO box with FTS ATLAS agents and DQ2 site services

### Tier 2

**No new requirements besides SRM SE**

FTS client tools are part of the standard middleware

(installed by the package glite-data-transfer-cli-3.1.2-4 )

- With such requirements our transfer exercise becomes easier:

Task	Possible timescale
Setup a FTS channel on Tier 1 FTS to all Tier 2 (IFIC, UAM, IFAE)	End of February 2006
Choose physics Monte Carlo datasets for Tier 2 – Tier 1 transfers	End of February 2006
Start FTS transfers between Tier 2 and Tier 1	End of February 2006 / beginning of March 2006
Sustained Tier 2 to Tier 1 FTS transfers of XX MB/s during YY hours following a ramp up plan	Throughout March 2006

- We should identify 1 responsible/site to prepare the exercise (volunteers?). It would be nice to meet once/week when carrying out the tests
- To determine: transfer tests using DQ2 system: we depend on the DQ sw readiness (possible date: end of February 2006)