Contribution ID: **161**   Type: **poster**

The ATLAS Computing Model

Wednesday, 29 September 2004 10:00 (0 minutes)

The ATLAS Computing Model is under continuous active development.
Previous exercises focussed on the Tier-0/Tier-1 interactions, with
an emphasis on the resource implications and only a high-level view
of the data and workflow. The work presented here considerably
revises the resource implications, and attempts to describe in some
detail the data and control flow from the High Level Trigger farms
all the way through to the physics user. The model draws from the
experience of previous and running experiments, but will be tested in
the ATLAS Data Challenge 2 (DC2, described in other abstracts) and in
the ATLAS Combined Testbeam exercises.
An important part of the work is to devise the measurements and
tests to be run during DC2. DC2 will be nearing completion in
September 2004, and the first assessments of the performance of the
computing model in scaled slice tests will be presented.

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Session Classification: Poster Session 2

Track Classification: Track 5 - Distributed Computing Systems and Experiences