



Contribution ID: 44

Type: **not specified**

LHC experiments : Petabytes to papers

Thursday, 15 June 2017 11:40 (40 minutes)

The LHC experiments are now routinely collecting (also simulating) and analyzing Petabytes of data each year, publishing 200 papers, signed each by 3000 people. Focussing on the ATLAS experiment, the talk will describe the organisation of the data processing that makes it possible: what balance between accuracy (of software and calibrations) and stability was reached, allowing specialized treatment of data for specific papers despite limited resources. The talk will conclude on the various challenges posed by eventual 10 fold increase of LHC luminosity and 10 fold increase of data taking rate.

Topic:

Computing infrastructure and data management

Presenter: Dr ROUSSEAU, David (LAL-Orsay)

Session Classification: Workshop