Contribution ID: **143**   Type: **Poster**

Evolution and experience with the ATLAS Simulation at Point1 Project

Tuesday, 11 October 2016 15:30 (15 minutes)

The Simulation at Point1 project is successfully running traditional ATLAS simulation jobs
on the trigger and data aquisition high level trigger resources.
The pool of the available resources changes dynamically and quickly, therefore we need to be very
effective in exploiting the available computing cycles.

We will present our experience with using the Event Service that provides the event-level
granularity for computations. We will show the design decisions and overhead time related
to the usage of the Event Service. The improved utilization of the resources will
also be presented with the recent development in the monitoring and the automatic alerting,
as well as in the deployment and GUI.

Tertiary Keyword (Optional)

Simulation

Secondary Keyword (Optional)

Cloud technologies

Primary Keyword (Mandatory)

Computing facilities

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