Contribution ID: **93**   Type: **Poster**

Computing shifts to monitor ATLAS distributed computing infrastructure and operations

Thursday, 13 October 2016 16:30 (15 minutes)

The ATLAS Distributed Computing (ADC) group established a new Computing Run Coordinator (CRC) shift at the start of LHC Run2 in 2015. The main goal was to rely on a person with a good overview of the ADC activities to ease the ADC experts' workload. The CRC shifter keeps track of ADC tasks related to their fields of expertise and responsibility. At the same time, the shifter maintains a global view of the day-to-day operations of the ADC system. During Run1, this task was accomplished by the ADC Manager on Duty (AMOD), a position that was removed during the shutdown period due to the reduced number and availability of ADC experts foreseen for Run2. The CRC position was proposed to cover some of the AMOD,s former functions, while allowing more people involved in computing to participate. In this way, CRC shifters help train future ADC experts.
The CRC shifters coordinate daily ADC shift operations, including tracking open issues, reporting, and representing ADC in relevant meetings. The CRC also facilitates communication between the ADC experts team and the other ADC shifters. These include the Distributed Analysis Support Team (DAST),
which is the first point of contact for addressing all distributed analysis questions, and the ATLAS Distributed Computing Shifters (ADCoS), which check and report problems in central services, Tier-0 export, data transfers and production tasks. Finally, the CRC looks at the level of ADC activities on a weekly or monthly timescale to ensure that ADC resources are used efficiently.

Tertiary Keyword (Optional)

Distributed data handling

Primary Keyword (Mandatory)

Monitoring

Secondary Keyword (Optional)

Distributed workload management

Primary author: CREPE-RENAUDIN, Sabine (Laboratoire de Physique Subatomique et de Cosmologie de Grenoble (FR))

Co-author: SVATOS, Michal (Acad. of Sciences of the Czech Rep. (CZ))

Presenter: SVATOS, Michal (Acad. of Sciences of the Czech Rep. (CZ))

Session Classification: Posters B / Break

Track Classification: Track 7: Middleware, Monitoring and Accounting