

ATLAS Fast Physics Monitoring: TADA

Tuesday, 11 October 2016 16:30 (15 minutes)

The ATLAS Experiment at the LHC is recording data from proton-proton collisions with 13 TeV center-of-mass energy since spring 2015. The ATLAS collaboration has set up, updated and optimized a fast physics monitoring framework (TADA) to automatically perform a broad range of validation and to scan for signatures of new physics in the rapidly growing data. TADA is designed to provide fast feedback in two or three days after the data are available. The system can monitor a huge range of physics channels, offline data quality and physics performance. TADA output is available in a, constantly updated, website accessible by the whole collaboration. Hints of potentially interesting physics signals obtained this way are followed up by the physics groups. The poster will report about the technical aspects of TADA: the software structure to obtain the input TAG files, the framework workflow and structure, the webpage and its implementation.

Tertiary Keyword (Optional)

Analysi tools and techniques

Secondary Keyword (Optional)

Data processing workflows and frameworks/pipelines

Primary Keyword (Mandatory)

Monitoring

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Track Classification: Track 7: Middleware, Monitoring and Accounting