

The ATLAS Workflow Management System Evolution in the LHC Run3 and towards the High-Luminosity LHC era



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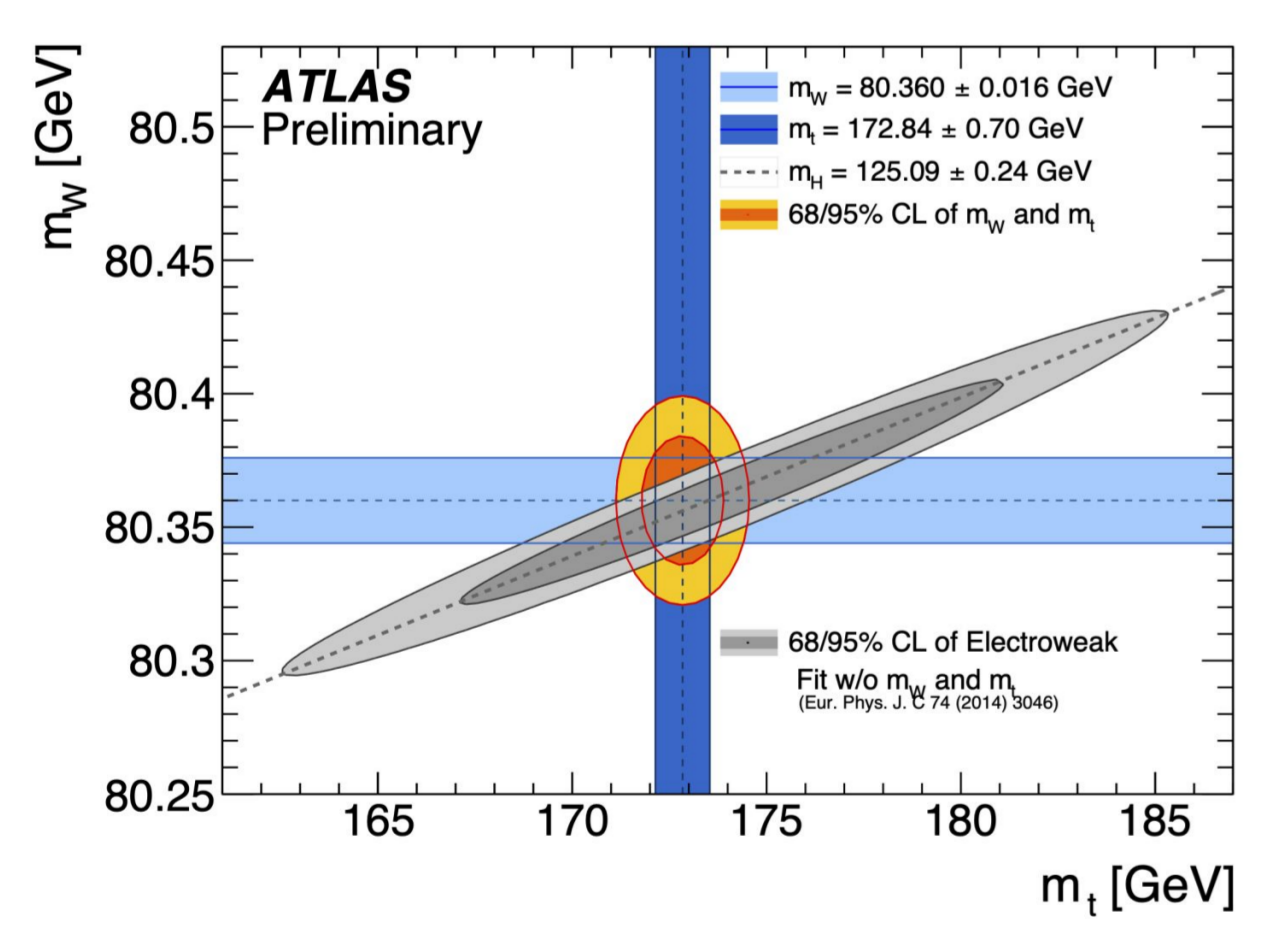
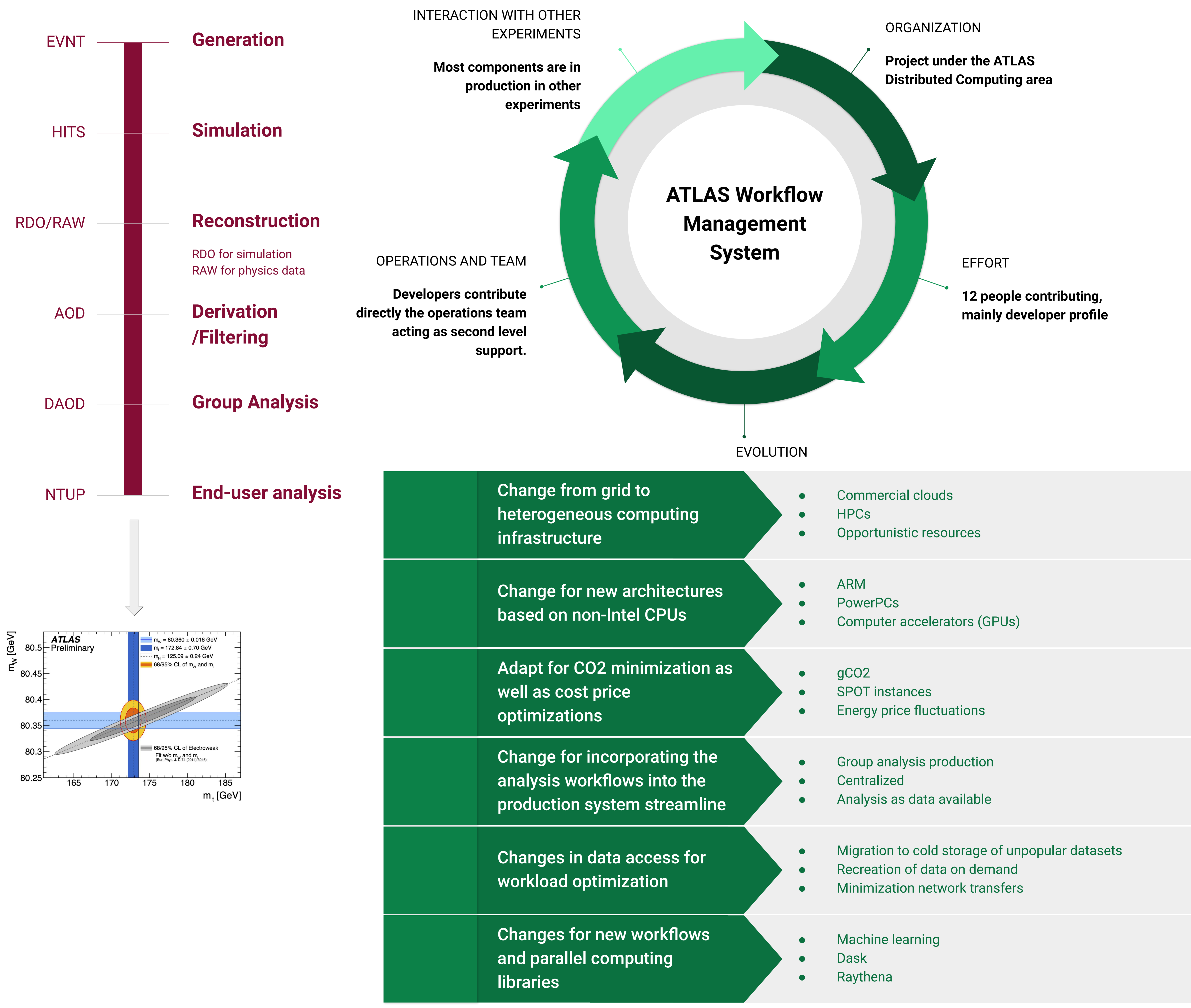


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Introduction and Overview

The ATLAS experiment has 18+ years of experience using workflow and workload management systems to deploy and develop workflows to process and to simulate data on the distributed computing infrastructure.

Simulation, processing and analysis of LHC experiment data require the coordinated work of heterogeneous computing resources. In particular, the ATLAS experiment utilizes the resources of 250 computing centers worldwide, the power of supercomputing centers, and national, academic and commercial cloud computing resources.



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