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First experience with the new ATLAS analysis model (15' + 5')

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During the Long shutdown of the LHC, the ATLAS collaboration overhauled
its analysis model based on experience gained during Run 1. The main
components are a new analysis format and Event Data Model which can be read
directly by ROOT, as well as a "Derivation Framework" that takes the
Petabyte-scale output from ATLAS reconstruction and produces smaller
samples targeted at specific analyses, using the central production system.
We will discuss the technical and operational aspects of this new system
and review its performance during the first year of 13 TeV data taking.

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Session Classification: Computing

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