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From Data To Knowledge: Computing For High-Energy Physics Experiments

Tuesday, 12 March 2024 09:00 (1 hour)

Modern large-scale sciences have become increasingly complex and face unprecedented data & compute challenges. The number of data-intensive instruments generating substantial volumes of data is growing and their accompanying internal and external workflows are becoming more complex every day. Their storage and computing resources are usually heterogeneous and are distributed at numerous geographical locations belonging to different administrative domains and organisations.

In this presentation, we will try to give an insight how we solved these problems in High Energy Physics: from data taking, distributed processing, infrastructure, and user analyses, with specific examples from the ATLAS Experiment.

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Session Classification: Keynote