

ATLAS status and perspectives for Run 3

Wednesday 16 November 2022 12:00 (50 minutes)

The ATLAS experiment at the Large Hadron Collider (LHC) at CERN is a general-purpose detector designed to exploit the full discovery potential of the LHC. It is composed of a tracking detector in the innermost region around the interaction point, surrounded by calorimeters and muon chambers, featuring full 4π coverage to measure precisely the energies, directions and identity of all the particles produced in proton-proton collisions. This allows ATLAS to carry out a very broad and ambitious physics program covering precision measurements of standard model, and searches for new physics. In this talk, an overview of ATLAS Run-2 results covering several analysis of the ATLAS physics program is shown including detector performance, standard model measurements and searches for new physics. Prospects of Run-3 is also presented.

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Does not apply

Author: Dr MONTICELLI, Fernando (National University of La Plata (AR))

Presenter: Dr MONTICELLI, Fernando (National University of La Plata (AR))

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