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The ATLAS Electron and Photon Trigger

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ATLAS electron and photon triggers covering transverse energies from 5 GeV to several TeV are essential to record signals for a wide variety of physics: from Standard Model processes to searches for new phenomena. To cope with ever-increasing luminosity and more challenging pile-up conditions at a centre-of-mass energy of 13 TeV, the trigger selections need to be optimized to control the rates and keep efficiencies high. The ATLAS electron and photon trigger performance in Run 2 will be presented, including both the role of the ATLAS calorimeter in electron and photon identification and details of new techniques developed to maintain high performance even in high pile-up conditions.

Secondary topics

Applications

Primary topic

Front-end readout and trigger

Author: STOCKTON, Mark (University of Oregon (US))

Presenter: JONES, Samuel David (University of Sussex (GB))

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