



Contribution ID: 21

Type: **not specified**

Measurement of Isolated-Photon Production at 13 TeV with the ATLAS Detector

Friday 25 October 2024 13:15 (5 minutes)

Measurements of the differential cross section for isolated-photon production in proton-proton collisions at a centre of mass energy of 13 TeV are presented. The analysis uses data collected by the ATLAS detector at the LHC, corresponding to an integrated luminosity of 139 fb⁻¹. Cross sections are measured as a function of the photon transverse energy in various regions of photon pseudorapidity. Additionally, we examine how the production cross section varies with two different photon isolation radii.

Author: BATLAMOUS, Souad (Universidad Autonoma de Madrid (ES))

Presenter: BATLAMOUS, Souad (Universidad Autonoma de Madrid (ES))

Session Classification: Poster Session