



Contribution ID: 657

Type: talk

Measurement of exclusive gamma+gamma -> ll production in proton-proton collisions with the ATLAS detector

Thursday 23 July 2015 12:06 (18 minutes)

The measurement of the exclusive gamma+gamma -> ll production cross-section in proton-proton collisions at a centre-of-mass energy of 7 TeV has been carried out by the ATLAS experiment at the LHC, based on an integrated luminosity of 4.6 fb⁻¹. The ratios to the pure QED cross-section predictions are measured in the electron and muon channels and are found to be consistent with the previous measurements at the LHC. When proton absorptive effects due to finite proton size are taken into account in the theory calculation the measured cross-sections are found to be consistent with the prediction.

additional information

Submitted on behalf of the ATLAS Standard Model Physics Group by the ATLAS Speakers Committee representative Alex Read (a.l.read@fys.uio.no). Alex is not the speaker! A speaker will be selected by the Speakers Committee when the abstract is accepted.

Author: READ, Alexander Lincoln (University of Oslo (NO))

Presenter: PRZYBYCIEN, Mariusz (AGH University of Science and Technology (PL))

Session Classification: Top and Electroweak Physics

Track Classification: Top and Electroweak Physics