

## Electroweak results with the 2010 ATLAS Data

*Tuesday 21 June 2011 17:40 (20 minutes)*

The ATLAS Experiment is one of the two multi-purpose detectors at the LHC. During the year 2010 it has collected 45 pb<sup>-1</sup> of pp collisions at a center-of-mass energy of 7 TeV. In this talk the ATLAS electroweak results with 2010 data will be described. We present measurements of total inclusive W and Z production cross sections, as well as differential cross sections and the W charge asymmetry. As the production of pairs of bosons is an important process for investigating the electroweak sector of the Standard Model, the measurements of the cross section of such processes will also be presented.

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