



Contribution ID: 109

Type: Oral presentation

Measurements of the 7 and 8 TeV cross sections for $Z \rightarrow 4l$ in pp collisions

Tuesday, 29 April 2014 09:20 (30 minutes)

A measurement of the cross section for 4 lepton production near the Z resonance is presented for $\sqrt{s} = 7$ and 8 TeV pp collisions recorded with the ATLAS experiment. The measurement is interpreted as a determination of the branching fraction for the Z boson decaying into 4 leptons and is found consistent with the expectation from the Standard Model. This result provides an important benchmark for the $H \rightarrow 4l$ process.

Primary author: BARONCELLI, Toni (Roma Tre Universita Degli Studi (IT))

Presenter: ZHOU, Bing (University of Michigan (US))

Session Classification: WG3: Electroweak Physics and Beyond the Standard Model

Track Classification: WG3: Electroweak Physics and Beyond the Standard Model