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Production of a Z Boson in association with b-jets measured with the ATLAS detector

Tuesday 8 April 2014 13:45 (15 minutes)

This talk will present the first differential cross section measurements for the production of a Z boson produced in association with at least two b-jets. Data was collected using the ATLAS detector running at a centre of mass energy of 7 TeV during 2011. The analysis selects events with a leptonically decaying Z boson (to two electrons or two muons) produced in conjunction with two jets tagged as originating from a b-hadron. The results are compared to different predictions calculated at LO and NLO.

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