

Measurement of Z0 production in p-Pb collisions at the LHC with ALICE

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The cross section of the Z0 boson production in p-Pb collisions at the center-of-mass energy of 5.02 TeV is calculated in two rapidity regions using the LHC 2013 data collected by the ALICE experiment. Looking at this production is important for the parameterisation of nuclear PDF sets. This calculated cross section is compared to theory predictions and also to some results from other experiments.

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Classification de Session: Ions lourds, saveurs lourdes