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WW production cross section at 13 TeV

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Precise measurement of W^+W^- production process empowers our understanding of Standard Model and also probes new physics phenomena at higher energies. This talk presents the total and fiducial cross section measurement of W^+W^- process at a centre-of-energy $\sqrt{s} = 13$ TeV with the data collected by the ATLAS detector in 2015. The events are selected in the leptonic decay channel i.e both W decaying into two leptons (electrons, muons) and associated missing transverse momentum.

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