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WZ production cross section in pp collisions at $\sqrt{s} =$ 7, 8 and 13 TeV in CMS in $3\ell\nu$ final state

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The inclusive cross section for WZ production is measured in proton-proton collisions at a centre-of-mass energy of 7, 8 and 13 TeV with the CMS experiment at the LHC using the data samples collected in Run I, 2015 and the first data collected in 2016. The measurement is performed with events containing exactly three charged leptons, with an opposite-sign same-flavour pair. Background estimates are obtained using data driven techniques as much as possible and a cut-and-count method is used for the final measurement.

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