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Single top quark production in association with a W boson in CMS

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The production of a top quark in association with a W boson (tW) is one of the single top processes that takes place at LHC. The interest of this production relies on the quantum interference at NLO with the top-antitop pair production: one of the most relevant processes in the LHC. The measurements of the tW production cross section using data collected by CMS at 13 TeV are presented. The results are confronted with precise theory calculations.

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