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Combining ATLAS and CMS measurements of top quark production and W boson polarisation for LHC pp collisions at $\sqrt{s} = 7$ and 8 TeV

Thursday 29 July 2021 09:30 (15 minutes)

Measurements of the inclusive top-quark pair production cross section and of the W boson polarisation in top quark decays are presented. The most precise results performed by the ATLAS and CMS collaborations using all the proton-proton collisions data produced at the LHC at center-of-mass energies of 7 and 8 Te. The combined results provide both lower uncertainties than the individual measurements and stringent comparisons with the standard model predictions at NNLO in perturbative QCD.

Collaboration / Activity

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