

Search for four-top-quark production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

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Recent results on the searches for four-top-quark production are presented. Searches for four-top-quark production, in the single-lepton (1L), opposite and same-sign (2OSL and 2SSL) dilepton and multilepton (3L) final states are summarised. Special focus is given to the 1L and 2OSL channels, where a data-driven method is developed as an estimate for the dominant background from top-quark pair production in association with jets. The combination of these searches is shown and limits on four top-quark production are set in a variety of models.

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