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Measurements of rare top production and their BSM interpretations with CMS

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The study of rare top quark production modes opens the gate to a number of new physics models that introduce large contributions to them. Among those, the production of four top quarks could be affected by the direct or indirect production of top-philic heavy resonances or be modified by anomalous Yukawa interactions between the top quark and the Higgs boson. A set of measurements is presented searching for new physics enhancing the production of four top quarks and the production of top quarks in association with additional leptons.

Secondary track

T09 - Beyond the Standard Model

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