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BSM interpretations of four-top production at LHC

Four-top quark production (tttt) is a rare yet intriguing process which has been observed by both the CMS and ATLAS collaborations at LHC, CERN. It provides a unique window into the exploration of new physics scenarios, since many Beyond Standard Model (BSM) theories predict the existence of heavy resonances which, coupling to the top quark, modify the Standard Model (SM) tttt production. This poster highlights the importance of this process in BSM searches, reviewing the latest results from CMS in the context of heavy top-philic resonances decaying into ttbar pairs, hence possibly enhancing the tttt production cross section

Secondary track

T09 - Beyond the Standard Model

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