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Searches for top squarks in compressed scenarios

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Results are presented from searches for the pair production of the lightest supersymmetric partner of the top quark (stop) targeting compressed scenarios, including four-body decays of the stop. The final states are challenging because of the low momentum of visible decay products. A variety of techniques, including multivariate approaches, are used to address the challenges. The results are based on proton-proton collisions recorded at $\sqrt{s} = 13$ TeV with the CMS detector using the full Run 2 dataset of 137 fb⁻¹.

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