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Search for low-mass pair-produced dijet resonances using jet substructure techniques in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$

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We present a search for low mass paired dijet resonances using jet substructure techniques. This search uses data from proton-proton collisions at a center-of-mass energy of 13-TeV, recorded by the CMS detector at the LHC. Limits at 95% confidence level are set on the production of top squarks decaying to two quarks in the framework of R-parity violating supersymmetry.

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