Abstract Submitted
for the APR21 Meeting of
The American Physical Society

Dijet Resonance Search with the Calo-Scouting technique using 122 fbˆ-1 of Run 2 data from CMS ALI EREN SIMSEK, None, CMS COLLABORATION — Searches are presented for resonances with mass between 0.6 and 1.8 TeV decaying to dijet final states in proton-proton collisions at sqrt(s)=13 TeV. The searches are performed with dijets that are reconstructed from calorimeter information in the trigger using data corresponding to an integrated luminosity of 122 /fb. The dijet mass spectrum is compared to a smooth parameterization of the QCD background and simulations of resonance signals decaying into parton pairs. Upper limits at 95% CL are presented on the production cross section of narrow quark-quark, quark-gluon, and gluon-gluon resonances.

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None

Date submitted: 11 Jan 2021 Electronic form version 1.4