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Search for supersymmetry in proton-proton collisions at $\sqrt{s} = 13$ TeV in events with high-momentum Z bosons and missing transverse momentum

The CMS collaboration, A. M. Sirunyan, [...] W. Vetens

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Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13 \text{ TeV}$

[A. M. Sirunyan](#), [A. Tumasyan](#), [...] [CMS Collaboration](#)

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Evidence for Higgs boson decay to a pair of muons

The CMS collaboration, A. M. Sirunyan, [...] W. Vetens

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ABSTRACT

Evidence for Higgs boson decay to a pair of muons is presented. This result combines searches in four exclusive categories targeting the production of the Higgs boson via gluon fusion, via vector boson fusion, in association with a vector boson, and in association with a top quark-

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