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Publications

Primary contributors

Search for a W' boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state (Full Run 2)

The CMS Collaboration, **CMS Paper (in progress, post approval)**, B2G-20-002

Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques

The CMS Collaboration, **CMS Paper**, [JINST 06 2020 P06005](#)

Search for a W' boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state

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Search for $W' \rightarrow tb$ in the all-hadronic final state at $\sqrt{s} = 13$ TeV

The CMS Collaboration, **CMS Paper**, [JHEP 08 2017 029](#)

Search for $W' \rightarrow tb$ in proton-proton collisions at $\sqrt{s} = 8$ TeV

The CMS Collaboration, **CMS Paper**, [JHEP 02 2016 122](#)

Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $\sqrt{s} = 8$ TeV

The CMS Collaboration, **CMS Paper**, [JHEP 01 2016 166](#)

Secondary contributors

Search for a heavy resonance decaying to a top quark and a W boson at $\sqrt{s} = 13$ TeV in the fully hadronic final state

The CMS Collaboration, **CMS Paper (in progress, post approval)**, B2G-19-003

Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets

The CMS Collaboration, **CMS Paper**, [Phys. Rev. Lett. 123 241801 2019](#)

The Phase-2 Upgrade of the CMS Tracker

The CMS Collaboration, **CMS Technical Design Report**, [CDS \(Fig 3.23\)](#)

Boosted Top Jet Tagging at CMS

The CMS Collaboration, **CMS Physics Analysis Summary**, [CMS-PAS-JME-13-007](#)

Search for new physics using the $t\bar{t}$ invariant mass distribution in pp collisions at $\sqrt{s} = 8$ TeV

The CMS Collaboration, **CMS Paper**, [Phys. Rev. Lett. 111 211804 2013](#)