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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 Physics Analysis Summary (Paper in progress)**, [B2G-20-002](#)

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

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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

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

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

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Secondary contributors

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

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The Phase-2 Upgrade of the CMS Tracker

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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](#)

For my full authorship list as a CMS member: [Link](#)