

Abstract Submitted
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Search for vector-like quarks with a columnar analysis framework¹ ERIN JAGT, JULIE HOGAN, Bethel Univ, CMS COLLABORATION — The CMS experiment has searched for vector-like T quarks decaying to bottom quarks and W bosons using proton-proton collision data collected in 2016. To analyze data collected during the full Run 2 period, we are exploring the Columnar Object Framework For Effective Analysis (COFFEA). We will present the expected sensitivity of this search using 2018 CMS data, and compare the performance of the COFFEA method to traditional "event-loop" analysis techniques.

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