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## Searches for new heavy fermions in CMS

*Tuesday 22 August 2023 17:20 (15 minutes)*

We present results for new heavy fermions at CMS. The results include searches for third-generation quark and lepton partners with vector-like properties. The results are based on the large dataset collected during Run 2 of the LHC at a centre-of-mass energy of 13 TeV. We search for these particles in a wide range of masses using several categories of reconstructed objects, from multi-leptonic to fully-hadronic final states.

### Collaboration / Activity

CMS

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**Session Classification:** T10 Searches for New Physics

**Track Classification:** Searches for New Physics