

# Searches for rare and beyond the Standard Model top-quark production and decay at CMS

*Thursday 18 July 2024 14:30 (18 minutes)*

Millions of top quarks already produced at LHC TeV are ideal for searching for rare top-quark decays. Besides flavor-changing neutral currents that are highly suppressed in the Standard Model, baryon and lepton number conservation can be probed in top quark events. In this talk, recent searches for rare and beyond the Standard Model top-quark production and decay with significantly increased sensitivity will be discussed. Several of the measurements are the first of their kind.

## Alternate track

### I read the instructions above

Yes

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**Session Classification:** Top Quark and Electroweak Physics

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