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## Search for heavy resonances decaying to top quarks

*Saturday, July 8, 2017 12:00 PM (15 minutes)*

Searches for new resonances that decay either to pairs of top quarks or a top and a b-quark will be presented. The searches are performed with the ATLAS experiment at the LHC using proton-proton collision data collected in 2015 and 2016 with a centre-of-mass energy of 13 TeV. The invariant mass spectrum of hypothetical resonances are examined for local excesses or deficits that are inconsistent with the Standard Model prediction.

### Experimental Collaboration

ATLAS

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**Session Classification:** Higgs and new physics

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