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## Search for new physics involving top quarks in ATLAS

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With 7 TeV proton-proton collisions data collected by the ATLAS detector we present searches for anomalous top-quark production and decay in several channels, including a search for top-quark pair production with anomalous missing transverse energy, top-quark pair resonances, fourth generation quarks decaying to top quarks. Such phenomena can arise from a number of Standard Model extensions.

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