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## **Top quark physics with the ATLAS detector: recent highlights**

*Wednesday, 28 August 2019 12:00 (30 minutes)*

The top quark is the heaviest known fundamental particle. As it is the only quark that decays before it hadronizes, it provides the unique opportunity to probe the properties of bare quarks at the Large Hadron Collider. This talk will present highlights of a few recent precision measurements of the top quark using 13 TeV collision data with the ATLAS experiment: top-quark pair and single top production cross sections, including differential distributions and production in association with bosons, will be presented alongside top quark properties measurements. Measurements of the top-quark mass and searches for rare top decays are also presented.

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