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## **Simulation of Top Quark Production for the ATLAS experiment**

*Saturday, August 6, 2016 6:00 PM (2 hours)*

The Monte Carlo setups used by ATLAS to model the  $t\bar{t}$  and single-top production in 13 TeV pp collisions are described. The performance of different event generators is assessed by comparing measurements at 7 TeV, 8 TeV and 13 TeV to predictions from simulated data. The evaluation of systematic uncertainties and the dependence of generator predictions on the tuning parameters are also discussed.

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**Session Classification:** Poster Session

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