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## Total and differential cross sections for Higgs and top-quark production

*Monday 9 July 2018 15:30 (30 minutes)*

I present theoretical calculations for Higgs-boson and top-quark production, including high-order soft-gluon corrections. I discuss charged-Higgs production in association with a top quark or a W boson, as well as single-top and top-antitop production. Total cross sections as well as transverse-momentum and rapidity distributions of the top quark or the Higgs boson are presented for various LHC energies.

**Author:** KIDONAKIS, Nikolaos (Kennesaw State University)

**Presenter:** KIDONAKIS, Nikolaos (Kennesaw State University)

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