

# BOOST 2016: 8th International Workshop on Boosted Object Phenomenology, Reconstruction and Searches in HEP



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## QCD resummation for boosted top production

*Tuesday 19 July 2016 14:00 (20 minutes)*

The LHC is starting to study the regime where top-quark pairs are produced with energies much larger than the top mass. In this “boosted regime”, large QCD corrections can arise both from soft-gluon emissions and from emissions collinear to the energetic top quarks, which become singular in the boosted limit. In this talk I discuss a theoretical framework which can be used to resum both types of potentially large corrections in the boosted regime, and compare some of its numerical predictions for differential cross sections with LHC data.

### Summary

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