

## Theory overview: QCD

*Friday, 17 November 2023 08:30 (30 minutes)*

Precision prediction for top quark physics

Top quark is the heaviest particle in the standard model. Once produced, the top quark immediately decays to a W boson and a bottom quark before hadronization. Precision studies for top quark physics plays essential role in the validity of the Standard Model and exploring potential avenues for new physics. In this talk I will review recently theoretical development in top quark physics, which includes the theoretical efforts for top quark production and decay.

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