第九届中国 LHC 物理年会 The 9th China LHC Physics Workshop (CLHCP2023)

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Theory overview: QCD

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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 physic 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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Session Classification: Plenary Session