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QCD aspects of hadron collider physics

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Particle physics enters the new exciting era with the start of experiments at the Large Hadron Collider (LHC) later this year. There is high hope in the high-energy physics community that the LHC will take us to a new territory of physics beyond the Standard Model. Quantum Chromodynamics (QCD) will play an important role in this journey since it allows us to describe quantitatively the outcome of hadronic collisions and provides solid foundations for New Physics searches. In this talk I will review the status of QCD as applied to problems in hadron collider physics and describe how recent advances in understanding physics of strong interactions may help in discovering physics beyond the Standard Model.