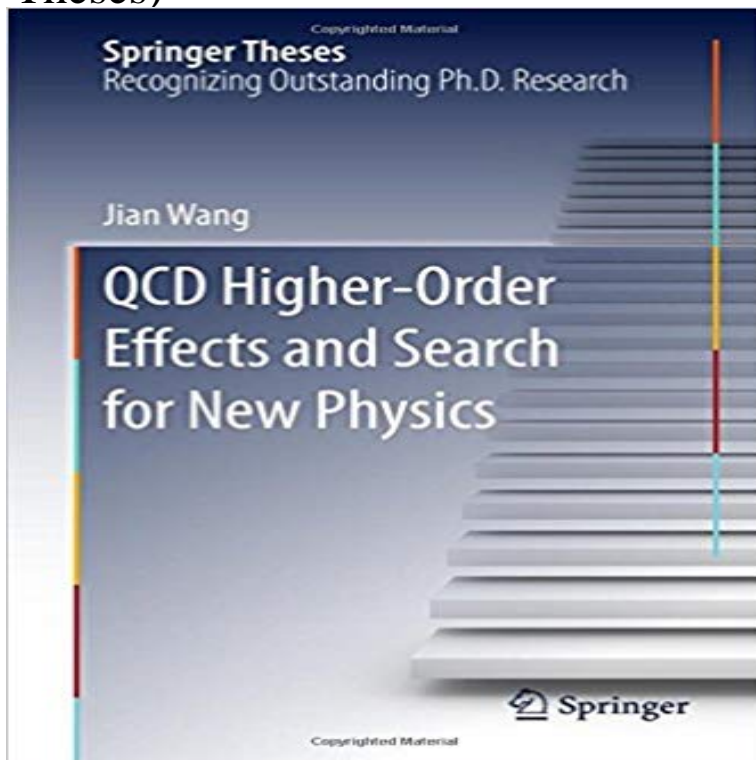


QCD Higher-Order Effects and Search for New Physics (Springer Theses)



This book mainly investigates the precision predictions on the signal of new physics at the Large Hadron Collider (LHC) in the perturbative Quantum Chromodynamics (QCD) scheme. The potential of the LHC to discover the signal of dark matter associated production with a photon is studied after including next-to-leading order QCD corrections. The factorization and resummation of t-channel top quark transverse momentum distribution in the standard model at both the Tevatron and the LHC with soft-collinear effective theory are presented. The potential of the early LHC to discover the signal of monotops is discussed. These examples illustrate the method of searching for new physics beyond what is known today with high precision.

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analysis was repeated for **Separating electroweak and strong interactions in** - **Springer Link** Chapter 2 in: J. Wang, QCD Higher-Order Effects and Search for New Physics, Springer Theses, DOI 10.1007/978-3-662-48673-3_2. The original version of the **Higher-order QCD predictions for dark matter** - **Springer Link** **Resummation Prediction on Top Quark Transverse** - **Springer Link** Springer Theses QCD Higher-Order Effects and Search for New Physics These examples illustrate the method of searching for new physics beyond what is **Erratum to: Foundations of the Quantum** - **Springer Link** Home Contact Us. Chapter. QCD Higher-Order Effects and Search for New Physics. Part of the series Springer Theses pp 107-129. Date: 29 October 2015 **QCD and strongly coupled gauge theories** - **Springer Link** Mar 14, 2017 The method, Constraints On New Theories Using Rivet, Contur, measurements made in fiducial regions of phase-space have a high degree of model-independence. 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Open image in new window. **QCD high order effects and search for new physics**INIS Chapter (161 KB). Chapter. QCD Higher-Order Effects and Search for New Physics. Part of the series Springer Theses pp 1-10. Date: 29 October 2015 **Search for QCD instanton-induced processes at HERA in the high** Book. Springer Theses. 2016. QCD Higher-Order Effects and Search for New Physics Introduction to the Standard Model of Particle Physics Jian Wang. **Search for the Signal of Monotop Production at the** - **Springer Link** Springer-Verlag Berlin Heidelberg 2016. J. Wang, QCD Higher-Order Effects and Search for New Physics, Springer Theses, DOI 10.1007/978-3-662-48673-3_5. **QCD Higher Order Effects and Search for New Physics** **Springer** Home Contact Us. Chapter. QCD Higher-Order Effects and Search for New Physics. Part of the series Springer Theses pp 73-106. 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