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Matagne and Fl. StancuBaryon Spectroscopy and Operator Construction in Lattice QCD D. G. Richards et al.; Instantons, Diquarks and Large N, Limit P. Faccioli, M. Cristoforetti and G. Ripka; Baryonic States in QCD from Gauge/String Duality at Large Nc G. F. De Teramond and S. J. Brodsky; T-Odd Parton Distributions in Large Nc QCD P. V. Pobylitsa

Sommario/riassunto

The large Nc limit plays a fundamental role in the study of non-abelian gauge theories such as quantum chromodynamics (QCD). Since its discovery in 1974 by 't Hooft, the 1/Nc expansion has provided crucial insights into the non-perturbative aspects of gauge theories. The expansion implemented at the effective theory level is one of the fundamental tools currently in use in hadronic physics; there are important effects and relations that follow from the 1/Nc expansion, which held remarkably well in the real world with Nc = 3. The 1/Nc expansion also plays a central role in the recently discover