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Titolo	L'ESTREMISMO politico : Ricerche psicologiche sul terrorismo e sugli atteggiamenti radicali / A cura di G. Calvi e M. Martini
Pubbl/distr/stampa	Milano : Angeli, 1982
Descrizione fisica	159 p. ; 22 cm
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2. Record Nr.	UNINA9910783286803321
Autore	Donnachie Sandy <1936->
Titolo	Pomeron physics and QCD // Sandy Donnachie [and others] [[electronic resource]]
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ISBN	1-107-12897-8 1-280-41788-9 9786610417889 1-139-14639-4 0-511-16995-7 0-511-06681-3 0-511-06050-5 0-511-29708-4 0-511-53493-0 0-511-06894-8
Descrizione fisica	1 online resource (xi, 347 pages) : digital, PDF file(s)
Collana	Cambridge monographs on particle physics, nuclear physics, and cosmology ; ; 19
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Nota di bibliografia	Includes bibliographical references (p. 327-342) and index.
Nota di contenuto	Properties of the S-matrix -- Regge poles -- Introduction to soft hadronic processes -- Duality -- Photon-induced processes -- QCD: perturbative and nonperturbative -- Hard processes -- Soft diffraction and vacuum structure -- Dipole approach -- Questions for the future -- ; Appendix A: Sommerfeld-Watson transform -- ; Appendix B: The Group SU(3) -- ; Appendix C: Feynman rules of QCD -- ; Appendix D: Pion-nucleon amplitudes -- ; Appendix E: The density matrix of vector mesons.
Sommario/riassunto	This book describes the underlying ideas and modern developments of Regge theory, confronting the theory with quantum chromodynamics and a huge variety of experimental data. It covers forty years of research and provides a unique insight into the theory and its phenomenological development. The authors review experiments that suggest the existence of a soft pomeron, and give a detailed discussion of attempts at describing this through nonperturbative quantum chromodynamics. They suggest that a second, hard pomeron is responsible for the dramatic rise in energy observed in deep inelastic lepton scattering. The two-pomeron hypothesis is applied to a variety of interactions and is compared and contrasted with perturbative quantum chromodynamics, as well as with the dipole approach. This book will provide a valuable reference for experimental particle physicists all over the world. It is also suitable for graduate courses in particle physics, high-energy scattering, QCD and the standard model.