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Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Proton Structure -- Inclusive Deep Inelastic Scattering at HERA and Related Phenomenology -- Measurements of F2 and the total photon-proton cross sections at low x and low Q2 -- Diagonal and Skewed Parton Distributions -- QCD Evolution of Structure Functions at Small x -- Screening Effects on F2 at Low x and Q2 -- Experimental Results and Perspectives of Polarized Lepton-Nucleon Scattering -- Polarized Parton Densities and Processes -- Final States in Deep-Inelastic Scattering -- Forward Jet Production at HERA -- Forward Jet Production at HERA -- Forward Jet and Hadron Production at Low x and Q2 -- Measurements of Jet Production in Deep Inelastic Scattering -- Jet Production in DIS -- Hadronic Final States in Deep Inelastic Scattering at HERA -- Power Corrections to the Parton Model in DIS -- Soft Limits of Multiparticle Observables and Parton Hadron Duality -- Theory and Phenomenology of Instantons at HERA -- Photon Structure and

Photoproduction of Jets and Hadrons -- Experimental Results on Two-Photon Physics from LEP -- Hard Photoproduction and the Structure of the Photon -- Photon Structure and the Production of Jets, Hadrons, and Prompt Photons -- Heavy-Flavour Production -- Measurement of Open b Production at HERA -- Open Heavy-Flavour Photoproduction at NLO -- Open Charm Production in Deep Inelastic Scattering at Next-to-Leading Order at HERA -- Heavy Quarkonium Production at HERA -- Color-Octet Contributions to Inelastic Heavy-Quarkonium Production -- Elastic and Diffractive ep Scattering -- Light Vector Meson Production at HERA -- Theory of Elastic Vector Meson Production -- Inclusive Diffraction at HERA -- Hard Diffraction at the TEVATRON -- Towards the Theory of Diffractive DIS -- Soft and Hard Pomerons -- New Physics at HERA -- Search for Physics Beyond the Standard Model at HERA -- High PT Leptons and W Production at HERA -- Beyond the Standard Model at HERA.
