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Gluons Quarks and the Transition from Nonperturbative to Perturbative QCD
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Experimental Studies of the Hadron Spectrum; The Character of Goldstone Bosons; Confinement from Coulomb Gauge QCD and Exotic Phenomenology; Regulator Free Dyson-Schwinger Equation Studies of Non-Perturbative Field Theory; Domain-Like Structures in the QCD Vacuum Confinement and Chiral Symmetry Breaking; Glueball Properties in Anisotropic SU(3) Lattice QCD with an Improved Action; Deconfining by Winding; Charmonium Glueballs and Exotic Hybrids in a Relativistic Many-Body Approach; 6. SMALL-x PHYSICS AND NUCLEAR MEDIUM EFFECTS
Small x Physics and the Initial Conditions in Heavy Ion Collisions
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Sommario/riassunto

This volume is centered on recent developments in the exploration of hadronic structure through lepton scattering, in the description of hadron physics directly from lattice QCD and non-perturbative QCD models, and in efforts to strengthen the links between these activities. Specific topics that are covered include: parton distribution functions, polarized structure functions, generalized structure functions, nuclear effects, quark-hadron duality, electromagnetic form factors, structure functions and hadron properties from lattice QCD, and QCD models based on the Dyson-Schwinger equations. Con
