

## Light-Front Dynamics and Holography

1. Introduction to QCD on the Light Front and Applications to Hadron Physics
2. Solving Quantum Field Theory Using Light-Front Hamiltonian Methods
3. Light-Front Holography and Super-Conformal Algebra: Applications to Hadron Spectroscopy and Dynamics
4. The Running QCD Coupling at All Scales and the QCD Light-Front Vacuum
5. Novel Features of QCD Phenomenology
6. Challenging Conventional Wisdom: Corrections to QCD Factorization Theorems and Breakdown of Sum Rules
7. The Elimination of Renormalization and Factorization Scale Ambiguities.