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Bibliography; References; The HERMES Experiment; 1 Introduction: Overview of Deep Inelastic Scattering and the Spin Structure of the Nucleon; 2 Description of the HERMES Experiment; 3 The Gottfried Sum Rule and the Light-Quark Sea Flavor Asymmetry; 4 Spin-Dependent Deep Inelastic Scattering; 5 The Polarization of s produced at HERMES; References

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Sommario/riassunto

Contents: The Structure of the Nucleon (D Drechsel); Introduction to Chiral Perturbation Theory (B Holstein); Lattice Gauge Theory - QCD from Quarks to Hadrons (D Richards); Light and Exotic Mesons (C Meyer); QCD and the Structure of the Nucleon in Electron Scattering (W Melnitchouk); High Energy Electron Nucleus Scattering (B Filippone); The HERMES Experiment (S Pate). Readership: High energy physicists.

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