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| Altri autori (Persone)  | AnisovichV. V (Vladimir Vladislavovich)  |
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| Nota di contenuto       | 1. Introduction. 1.1. The quark-gluon structure of hadrons. 1.2. Dressed quarks: a retrospective view. 1.3. Problems discussed in the book -- 2. High energy hadron interactions. 2.1. Energy dependence of hadron interactions. 2.2. Multiparticle production and inclusive processes. 2.3. Regge-pole phenomenology -- 3. Composite systems. 3.1. Non-relativistic composite systems. 3.2. Relativistic description. 3.3. Mesons as quark-antiquark states -- 4. High-energy interactions of composite systems. 4.1. The general picture of screening effects. 4.2. Scattering of fast hadrons on a deuteron. 4.3. Hadron scattering on nuclei. 4.4. Hadron-hadron scattering. 4.5. Pomeron-meson interaction in light-cone variables. 4.6. Hadron-nucleus diffraction, inelastic screening -- 5. Hadron zoology and static features of hadrons. 5.1. Meson systematics: quark-antiquark states. 5.2. Light baryons. 5.3. Naive quark model predictions and masses of constituent quarks. 5.4. Pomeron, glueballs, and scalar-isoscalar mesons. 5.5. Radiative decays of q[symbol]-mesons. 5.6. Baryons beyond the lowest 56-plet -- 6. Binary processes in the quark model. 6.1. Fraction of the hadron momentum carried by the quark. 6.2. Regge description. 6.3. The additive model: elastic scattering of quarks. 6.4. Regge-pole exchange relations in the additive quark model. 6.5. Low and moderately high energies: $l/N_c$ expansions and resonance-Reggeon duality. 6.6. |

Flavour-exchange reactions. 6.7. Hadron diffractive processes -- 7. Multiparticle production in the quark model: hadron collisions at moderately high energies. 7.1. General features of the hadron production mechanism. 7.2. Quark combinatorics. 7.3. Total and partial multiplicities. 7.4. Inclusive spectra. 7.5. Multiple rescattering and scale breaking at superhigh energies -- 8. Hadron-nucleus collisions. 8.1. The spectator mechanism and its consequences. 8.2. Inclusive spectra in hadron-nucleus collisions. 8.3. Inelastic diffraction scattering of hadrons on nuclei. 8.4. Scale breaking in hadron-nucleus interactions.

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