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Collana	Lecture Notes in Physics, , 0075-8450 ; ; 234
Disciplina	539.72
Soggetti	Elementary particles (Physics) Quantum field theory Atoms Physics Elementary Particles, Quantum Field Theory Atomic, Molecular, Optical and Plasma Physics
Lingua di pubblicazione	Inglese
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Nota di contenuto	Chromodynamics and the quark model -- Meson spectroscopy -- Baryons in the quark model -- Baryon spectroscopy -- Progress of Hadron Mass Calculations in Lattice QCD -- Dynamics of photoreactions at medium energies -- Hadron photoproduction at medium energy -- Methods and results of nucleon spectroscopy -- Exotica for ELSA: Baryonia, dibaryons, glueballs and hybrids -- The current status of dibaryon searches -- Hybrid bags and solitons -- Electroweak effects in intermediate energy physics -- Quarks in nuclei -- Electron scattering from nucleons and deuterons at intermediate energies -- Electron scattering from light nuclei -- Nonrelativistic approach to deuteron photoreactions -- Relativistic effects in nuclei -- Photo- and electro-production of kaons and the study of hypernuclei -- Mesons and ?s in nuclei -- Photonuclear physics with low intensity photon beams -- The ELSA stretcher ring -- The SAPHIR detector -- Polarized targets and beams -- The MAMI-project -- Future prospects

in photon and electron physics at Saclay -- The SURA-CEBAF project --  
Closing remarks.

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