Few-Body Problems in Particle, Nuclear, Atomic, and Molecular Physics

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Book Condition: New. Publisher/Verlag: Springer, Wien | Proceedings of the XIth European Conference on Few-Body Physics, Fontevraud, August 31 September 5, 1987 | The 1987 Fontevraud Conference gathered more than 100 physicists for the purpose of discussing the latest developments of research on few-body problems. In addition to participants from most European countries representatives from Brazil, Canada, Israel, Japan, South Africa, and the USA took part in the meeting. In the conference program special emphasis was laid on bringing together the various fields, where few-body problems play an important role. Beyond the traditional areas of nuclear and particle physics, in recent years interest has been focussed especially on atomic and molecular physics. This development is due to the design of new techniques for solving few-body problems under rather general premises. The proceedings contain all plenary talks and the contributions presented orally at the conference. They cover such topics as: few-quark systems and short-range phenomena, two- and three-body forces in quark as well as nucleonic systems, few-hadron bound states, response of few-body systems to electromagnetic and hadronic probes, form factors, hypernuclei, atomic and molecular few-body systems, hyperspherical method, separable expansions, numerical techniques, etc. It appears that recently, even in one year...

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