



Advances in Nuclear Physics

By John Negele

Springer Nov 2013, 2013. Taschenbuch. Book Condition: Neu. 229x152x12 mm. This item is printed on demand - Print on Demand Neuware - 'Analytic Insights into Intermediate-Energy Hadron-Nucleus Scattering,' by R. D. Amado, presents a review of optical diffraction leading into discussions of elastic scattering, single- and multistep inelastic scattering, spin observables, and directions indicated for further research. 'Recent Developments in Quasi-Free Nucleon-Nucleon Scattering,' by P. Kitching, W. J. McDonald, Th. A. J. Maris, and C. A. Z. Vascon cellos, opens with a comprehensive review of the theory, going on to detail frontier research advances in spin dependence in (p, 2p) scattering, isospin dependence, and other quasi-free reactions. The final chapter, 'Energetic Particle Emission in Nuclear Reactions' by D. H. Baal, explores new findings regarding direct interactions in the nucleus, thermalization and multiple scattering in nucleon emission, light fragment formation, and production of intermediate-mass fragments. A valuable and instructive trio of papers, Volume 15 of Advances in Nuclear Physics will be of interest to nonspecialists as well as specialists in the fields of nuclear physics, high-energy physics, and theoretical physics. J. W. NEGELE E. VoGT ix CONTENTS Chapter 1 ANALYTIC INSIGHTS INTO INTERMEDIATE-ENERGY HADRON-NUCLEUS SCATTERING R. D. Amado I. Introduction

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Reviews

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