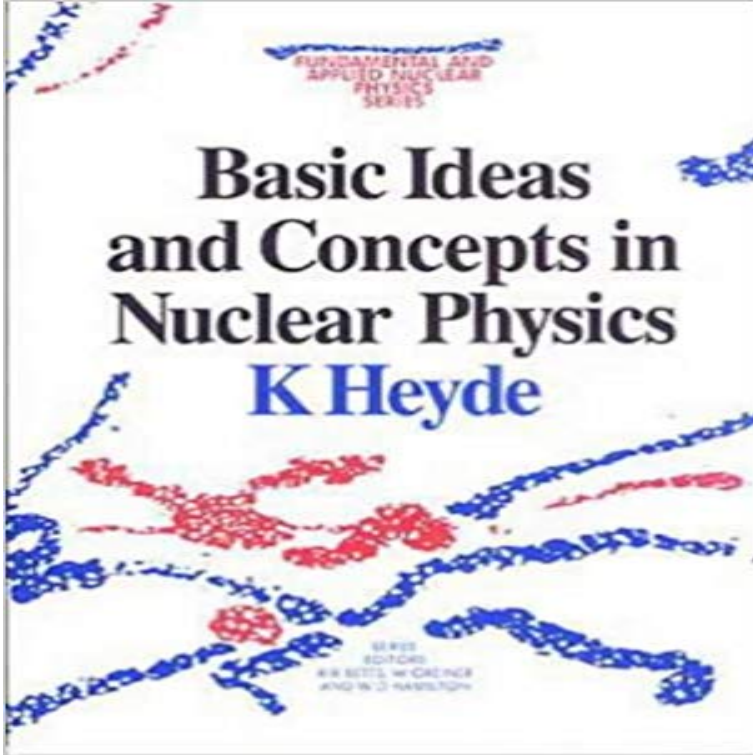


Basic Ideas and Concepts in Nuclear Physics, An Introductory Approach (Fundamental and Applied Nuclear Physics Series)



This book proposal was originally forwarded from Andrew Durnell in 1991. It is different to the competition in style, progressing logically from general nuclear properties to nuclear structure, and in content, choosing to treat the major topics in sufficient depth for the student to obtain further understanding. The logical approach, linking general nuclear properties and nuclear structure is a benefit. The careful selection of topics, well-chosen illustrations, box features containing recent research examples and results, and tested problems, together provide a complete introduction to the major concepts and ideas required to understand nuclear physics. The author is careful throughout to keep nuclear physics in context with other disciplines, and to present the subject area as dynamic and interesting, through the use of box features. Series Editor Comment advanced text suitable for final year courses and for introductory postgraduate studies (Hamilton) the range and depth of cover appear ideal and Heyde's approach is excellent ... a good teacher and text follows very much his style ... he also looks forward to the frontiers ... important in a (post) graduate text ... a student can see where his own particular topic may fit in ... many texts are far removed from research ... wealth and choice of figures ... good diagrams can do a lot for a text ... level of mathematics will ensure that it can be widely used

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