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A unique balance of particle and nuclear physics is presented in this outstanding introduction to the field. Nuclear properties, decay, structure and reactions are covered initially, followed by discussions of nuclear forces, B-decay, and elementary particles and their interactions. Further chapters include strong, weak and electromagnetic interactions, and an up-to-date presentation of the problems facing particle physics. Whenever possible, the reader is encouraged to appreciate the quantitative aspect of a phenomenon in addition to learning a descriptive explanation. Many illustrations supplement this excellent text.

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`.... this is an attractive, interesting, and informative account of an important and challenging area of physics... it is pitched at a level which should make it quite readily accessible to its intended student audience.' Times Higher Education Supplement

`This is a working textbook, which unlike many others, covers both the physics of nuclei and of elementary particles. It is attractively produced, with many diagrams and photos.' Contemporary Physics

About the Author

W. S. C. Williams is at St Edmund Hall, University of Oxford.

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