



Statistical Methods in Radiation Physics

By James E. Turner, Darryl J. Downing, James S. Bogard

Wiley-VCH Verlag GmbH. Paperback. Book Condition: new. BRAND NEW, Statistical Methods in Radiation Physics, James E. Turner, Darryl J. Downing, James S. Bogard, This statistics textbook, with particular emphasis on radiation protection and dosimetry, deals with statistical solutions to problems inherent in health physics measurements and decision making. The authors begin with a description of our current understanding of the statistical nature of physical processes at the atomic level, including radioactive decay and interactions of radiation with matter. Examples are taken from problems encountered in health physics, and the material is presented such that health physicists and most other nuclear professionals will more readily understand the application of statistical principles in the familiar context of the examples. Problems are presented at the end of each chapter, with solutions to selected problems provided online. In addition, numerous worked examples are included throughout the text.



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