

Physics and Radiobiology of Nuclear Medicine. Springer Science & Business Media, 2012.

Gopal B. Saha. 9781461440123. 356 pages. 2012

Nuclear Medicine Physics: The Basics (Nuclear Med Fundamentals of nuclear physics /Fundamentals of nuclear physics. 277 PagesÂ·2017Â·4.7 MBÂ·9,062 DownloadsÂ·New! This book introduces the current understanding of the fundamentals of nuclear physics by referring Nuclear medicine physics. 766 PagesÂ·2014Â·19.22 MBÂ·4,995 Downloads. Technical Editors. Nuclear Medicine Physics A Handbook for Teachers and Students. @. 1 federaTioN Physics, Applied Physics, Optics, Lasers, Nuclear Engineering. The book opens by setting nuclear physics in the context of elementary particle physics and then shows how simple models can provide an understanding of the properties of nuclei, both in their ground states and excited states, and also of the nature of nuclear reactions.Â Finally, the sixth speaker presented an overview of nuclear medicine and radiodiagnostic. In addition to this, the inclusion of the posters and seminars presented by the students gives a fresh and ample perspective on the many different problems of interest nowadays for the Nuclear Physics community. (show less). Read Amazon reviews|Rate or write a review. This publication provides the basis for the education of medical physicists initiating their university studies in the field of nuclear medicine. The handbook includes 20 chapters and covers topics relevant to nuclear medicine physics, including basic physics for nuclear medicine, radionuclide production, imaging and non-imaging detectors, quantitative nuclear medicine, internal dosimetry in clinical practice and radionuclide therapy. It provides, in the form of a syllabus, a comprehensive overview of the basic medical physics knowledge required for the practice of medical physics in modern nu... The knowledge of physics, instrumentation, and radiobiology in nuclear medicine has advanced greatly since the first edition of this book was published in 1993. This, along with the appreciation of the book by the nuclear medicine community, has prompted us to do a second edition. As with the first edition, this book is primarily addressed to residents taking the American Board of Nuclear Medicine and the American Board of Radiology with Special Competency in Nuclear Medicine examinations, and to technologists taking the Registry examination in nuclear medicine. In addition, anyone interested