

Springer

1st  
edition

2012, X, 554 p.

**Printed book**

Hardcover

**Printed book**

Hardcover

ISBN 978-3-642-31333-2

\$ 279,99

Available

**Discount group**

Medical (6)

**Product category**

Contributed volume

**Other renditions**

Softcover

ISBN 978-3-642-44307-7

**Medicine : Radiotherapy**

Sauerwein, W.A.G., Wittig, A., Moss, R., Nakagawa, Y. (Eds.), Univ.Klinikum Essen Zentrum für Konservative Onkologie, Essen, Germany

# Neutron Capture Therapy

**Principles and Applications**

- State of the art report on neutron capture therapy
- Summarizes the progress made in recent decades
- Multidisciplinary approach
- Written by the most experienced specialists

Neutron capture therapy (NCT) is based on the ability of the non-radioactive isotope boron-10 to capture thermal neutrons with very high probability and immediately to release heavy particles with a path length of one cell diameter, which in principle allows for tumor cell-selective high-LET particle radiotherapy. This book provides a comprehensive summary of the progress made in NCT in recent years. Individual sections cover all important aspects, including neutron sources, boron chemistry, drugs for NCT, dosimetry, and radiation biology. The use of NCT in a variety of malignancies and also some non-malignant diseases is extensively discussed. NCT is clearly shown to be a promising modality at the threshold of wider clinical application. All of the chapters are written by experienced specialists in language that will be readily understood by all participating disciplines.

**Order online at [springer.com/booksellers](http://springer.com/booksellers)****Springer Nature Customer Service Center LLC**

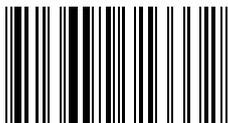
233 Spring Street

New York, NY 10013

USA

T: +1-800-SPRINGER NATURE

(777-4643) or 212-460-1500

[customerservice@springernature.com](mailto:customerservice@springernature.com)

ISBN 978-3-642-31333-2 / BIC: MJCL1 / SPRINGER NATURE: SCH29056

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.