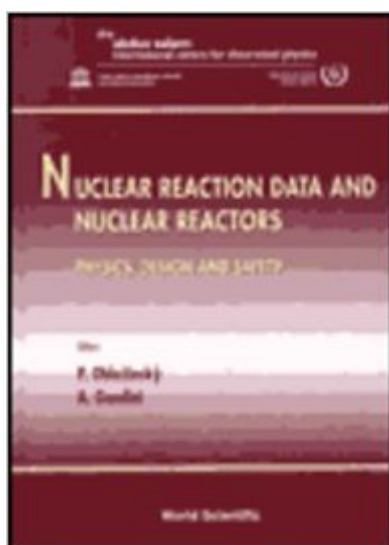


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Nuclear Reaction Data And Nuclear Reactors: Physics, Design, And Safety



Synopsis

Provides the information behind nuclear reactor calculations, focusing on a key role of nuclear reaction data, down to the physics of nuclear interactions. Divided into three parts, the text covers: nuclear reaction models, including neutron resonances, fission, the optical model, statistical and preequilibrium models, as well as nuclear level densities; nuclear data filling and processing, lectures on nuclear data evaluation and formatting, and data libraries and services, with emphasis on nuclear-data-processing codes; and applications in nuclear reactor calculations, emphasizing physics, design and safety,

Book Information

Hardcover: 535 pages

Publisher: World Scientific Publishing Company; 1st edition (November 15, 1999)

Language: English

ISBN-10: 9810239165

ISBN-13: 978-9810239169

Product Dimensions: 8.9 x 6.3 x 1.3 inches

Shipping Weight: 1.9 pounds

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Best Sellers Rank: #13,924,429 in Books (See Top 100 in Books) #68 in Books > Textbooks > Engineering > Nuclear Engineering #2558 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Nuclear #9508 in Books > Science & Math > Physics > Nuclear Physics

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