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Reactor Physics by Elmer E Lewis  
Fundamentals of Nuclear Science and  
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Reactor Physics and Engineering Nuclear  
Fission Reactors Studyguide for  
Fundamentals of Nuclear Reactor Physics  
by Lewis, Elmer E. Fundamentals of Nuclear  
Science and Engineering Second Edition  
Nuclear Reactor Physics Physics and  
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Spoiler: Very Small. ~~Nuclear Physics: Crash~~

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Principles Nuclear Reactor Physics Basics |

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Power Generation-Module 01-Lecture 01

~~Fundamentals of Nuclear Power Generation-~~

~~Module 01-Lecture 02~~

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essentials of how the fission nuclear reactor

works, the various approaches to the design

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operation. The book includes numerous  
worked-out examples and end-of-chapter  
questions to help reinforce the knowledge  
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Nuclear reactor physics belongs to an applied physics as a particle physics or nuclear chemistry. These branches have common fundamentals. Atomic and nuclear physics describes fundamental particles (i.e. electrons, protons, neutrons), their structure, properties and behavior. These physical fundamentals consist of:

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### Reactor Physics - Nuclear Power

- A clear, general overview of atomic physics from the standpoint of reactor functionality and design, including the sequence of fission reactions and their energy release
- In-depth discussion of neutron reactions, including neutron kinetics and the neutron energy spectrum, as well as neutron spatial distribution

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### Fundamentals of Nuclear Reactor Physics: Lewis Ph.D ...

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design, including the sequence of fission reactions and their energy release.

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## Nuclear Reactor Physics - Gamma Explorer

This engineering course is designed to introduce students to a range of concepts, ideas and models used in nuclear reactor physics. This course will focus on the physical theory of reactors and methods of experimental studies of the neutron field. This course is based on the course "Neutron transport theory" which has been taught at the National Research Nuclear University "MEPhI" for the past 20 years.

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A clear, general overview of atomic physics from the standpoint of reactor functionality and design, including the sequence of fission reactions and their energy release In-depth discussion of...

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