

# The Future is OPEN



Introduction to Applied Nuclear Physics

## INTRODUCTION TO APPLIED NUCLEAR PHYSICS



This text covers basic concepts of nuclear physics with emphasis on nuclear structure and interactions of radiation with matter. Topics include elementary quantum theory; nuclear forces; shell structure of the nucleus; alpha, beta and gamma radioactive decays; interactions of nuclear radiations (charged particles, gammas, and neutrons) with matter; nuclear reactions; fission and fusion.

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