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 Point-Coupling Model ; 7 Conclusions
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 of Mean-Field Models to Superheavy Nuclei
 ; 1 Introduction
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 Introduction ; 2 Experimental Technique
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 Fusion-Fission of Superheavy Nuclei at Low Excitation Energies

Sommario/riassunto

This book deals with the properties and fusion dynamics of very heavy nuclei. It contains the latest experimental results on the formation and fission of superheavy nuclei and on the near-barrier fusion of light exotic nuclei, along with the different theoretical approaches to the description of fusion dynamics and microscopic properties of superheavy nuclei. The book also discusses nuclear collective dynamics and expectations from the use of accelerated beams of radioactive nuclei in fusion reactions.

Contents:

- Aspects of Fusion, Fission and Cluster Radioactivity

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