

核结构

相互作用玻色子模型中振转过渡区的特征研究

潘峰, J.P. Draayer

1 辽宁师范大学物理系; 辽宁大连116209

2 Department of Physics and Astronomy; Louisiana State University; Baton Rouge; LA 70803;

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摘要

详细研究了相互作用玻色子模型中U(5)振动极限到SU(3)转动极限的相变行为.通过对能谱和E2跃迁强度等的分析,说明了在临界点的核具有最大的非刚性.

Transitional patterns from the U(5) vibrational limit to the SU(3) rotational limit in the interacting Boson model are studied in detail. The transitional behavior of low-lying energy levels, isomer shifts, E2 transition rates, and some other related quantities across the entire region are investigated. The results show that nuclei in the critical region are most non-rigid.

关键词 [过渡区](#) [相变](#) [临界点](#)

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