

The Interacting Boson Model for Anomalous Rotational Bands

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Abstract: The interacting boson model for anomalous rotational bands is proposed. In the rotational SU(3) limit, an asymptotic limit is discussed. Within the framework of the model several analytic relations for energies and electromagnetic transition rates are derived.

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Key words: g^- boson-like excitation, anomalous rotational bands, M1 transtion, ^{176}Hf

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