

Triaxial rotor mode in the interacting boson model

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Abstract

In this talk, we will give a discussion on how to achieve an algebraic realization of the rotor mode through mapping the triaxial rotor Hamiltonian into the interacting boson model [1], by which the finite- N effect on the rotor mode as well as its possible indication in low-energy spectra of nuclei is further discussed [2].

References

- [1] Y. Zhang, F. Pan, L. R. Dai, and J. P. Draayer, *Phy. Rev. C* **90** (2014) 044310.
- [2] Y. Zhang, Y. W. He, D. Karlsson, C. Qi, F. Pan, and J. P. Draayer, *Phy. Lett. B* **834** (2022) 137443.