

Transverse wobbling in odd-neutron and even-even nuclei

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Abstract

The wobbling mode generally appears in the asymmetric top [1]. It is a clear evidence that the three moments of inertia are different. Transverse wobbling (TW) is a novel version thereof unique to triaxial nuclei [2]. It originates from the presence of large quasiparticle angular momentum. Most of wobbling bands are found in odd-proton nuclei. In this talk, I will introduce the very recent progress on the TW bands in the odd-neutron nucleus ^{105}Pd [3], and on the two-quasiparticle TW bands in the even-even nucleus ^{130}Ba [4].

References

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