

Manifestation of triaxiality in Mo and Ru isotopes

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Abstract

We focus on the evolution of triaxiality from -soft toward rigid triaxial shapes in Mo and Ru chains above $N = 60$. Spectral criteria for the second-order phase transition are suggested and examined [1]. Both chains are investigated within the phenomenological Algebraic Collective Model [2] and in the framework of microscopic Hartree-Fock-Bogoliubov calculations with several representative parameterisations of the effective Skyrme interaction [3]

References

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