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Triaxiality in Mo and Ru nuclei

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we focus on the evolution of triaxiality from γ -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. Both chains are investigated within the phenomenological Algebraic Collective Model and in the framework of microscopic Skyrme-Hartree-Fock + Bardeen-Cooper-Schrieffer calculations.

Primary author: THIAMOVA, Gabriela

Presenter: THIAMOVA, Gabriela

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