Abstract Submitted
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Heavy nuclei as rotors STEVEN KRALL, ROBERT MOKRY, GABRIELA POPA, Ohio University Zanesville — We have calculated the moments of inertia for a series of heavy deformed nuclei using the rotor model. We also extracted the moments of inertia, for these nuclei, from experimental data, and compare them with the calculated ones. Then we extracted nuclear deformation from experimental data, and compare it with ones calculated using a collective model such as the rotor model, and an algebraic model using symmetries.

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