EXCITED ROTATIONAL-VIBRATIONAL STATES OF EVEN-EVEN NUCLEI WITH QUADRUPOLE AND OCTUPOLE DEFORMATIONS

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S u m m a r y

The energies of excited rotational-vibrational states of deformable, axially symmetric even-even nuclei with quadrupole and octupole deformations have been studied. The variation of the nucleus deformation magnitude with the growth of the spin and the energy of a level has been taken into account. The ratios between the energies of excited levels with positive and negative parities and the energy of the first excited level with spin 2^+ in the basic band of the nuclei concerned have been calculated.