

Excitation spectra and electromagnetic transitions between low-lying nonrotational states

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Calculations of the structure of the low-lying states of nuclei with $Z = 97-109$ play an important role in understanding the properties of nuclei belonging to the new region of the nuclide chart, which is available now for experimental study. We calculated quasiparticle-phonon structure and the reduced γ -transition probabilities for the excited states with excitation energies below 1 MeV for odd-proton nuclei in this region.

Section

Nuclear structure: theory and experiment

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