

## **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  $\gamma$ -transition probabilities for the excited states with excitation energies below 1 MeV for odd-proton nuclei in this region.