
SYSTEMATICS OF ROTATIONAL BANDS IN ODD-MASS NUCLEI ON THE BASIS OF THE VARIABLE MOMENT OF INERTIA MODEL.

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On the ground of a file of the evaluated nuclear data ENSDF the most complete compilation of rotational bands in odd- A nuclei with mass numbers $43 \leq A \leq 253$ is presented. The processing of experimental data is carried out on the basis of generalization of the variable moment of inertia model for axial strong deformed nuclei which is taking into account the decoupling effect for bands with $K=1/2$. The good description of rotational energies for the majority of rotational bands is obtained and the systematic behavior of the model parameters in all areas of the deformed nuclei is shown. The theoretical description is used for association of fragments of rotational bands, exclusion of "superfluous" levels and prediction of a placement of "missed" levels.