

**THE INVESTIGATION OF THE PROPERTIES OF ^{97}Ru
IN THE FRAMEWORK OF DYNAMIC COLLECTIVE MODEL**

A. A. Kurteva, V. E. Mitroshin

The energies, spins, parities, magnetic dipole and electric quadrupole moments, spectroscopic factors of the ground and excited states of ^{97}Ru as well as the reduced probabilities of electromagnetic transitions between them have been calculated in the framework of the dynamic collective model. The reduced probabilities of β -transitions between main state of ^{97}Ru and excited states of ^{97}Ru have been calculated. Theoretical results were compared with experimental values.