

# PRECISE MEASUREMENTS OF THE ENERGY OF GAMMA-TRANSITIONS IN $^{99}\text{Tc}$

A. P. Lashko, T. N. Lashko

High-precision measurements of the energies of reference  $\gamma$ -rays from the decay of  $^{99}\text{Mo}$  have been performed with  $\gamma$ -spectrometer. Using these data, the energies of levels  $1/2^+$  920,586 keV,  $3/2^-$  1004,050 keV and  $3/2^+$  1141,875 keV of  $^{99}\text{Tc}$  were determined with the accuracy up to a few electron-volts.

*Keywords:* radioactivity,  $^{99}\text{Mo}$ ,  $\gamma$ -spectra, HPGe-detectors, measurements  $E(\gamma)$ , energy of levels.