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THE ENERGIES OF LOW-LYING EXCITED STATES IN ^{175}Lu

High-precision measurements of the energies of reference γ -transitions from the decay of ^{175}Hf have been performed with the γ -spectrometer. Using this data, the energies of levels and corresponding deexciting γ -rays in ^{175}Lu were determined with the precision up to a few electron-volts. To a great extent they are in a good agreement with other experimental data but is more precise.

Keywords: radioactivity, ^{175}Hf , γ -spectra, HPGe-detectors, measurements $E(\gamma)$, energy of levels.