EXCITATION CROSS SECTIONS FOR THE $13/2^+$ ISOMER STATE OF MERCURY-199 NUCLEUS IN THE (γ, γ') AND (γ, n) REACTIONS

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S u m m a r y

Isomer state excitation cross sections for the $^{199}Hg(\gamma,\gamma')^{199m}Hg$ and $^{200}Hg(\gamma,n)^{199m}Hg$ reactions have been studied within the gamma-quantum energy region 4—17 MeV. The experimental isomer ratios are compared with those calculated within the framework of the cascade-evaporation model.