

EXCITATION CROSS-SECTIONS OF THE  $11/2^-$   
ISOMERIC STATES OF THE  $^{109}\text{Pd}$  AND  $^{111}\text{Cd}$   
NUCLEI FOR  $(\gamma, n)$  REACTIONS  
IN THE GAMMA-QUANTUM  
ENERGY RANGE OF 8–18 MeV

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S u m m a r y

The excitation cross-sections of isomeric states for the  $^{110}\text{Pd}(\gamma, n)^{109m,g}\text{Pd}$  and  $^{112}\text{Cd}(\gamma, n)^{111m}\text{Cd}$  reactions have been studied within the gamma-quantum energy range of 8–18 MeV. The isomeric ratio values obtained experimentally are compared with the results of calculations made in the framework of the cascade-evaporation model.