

THE INVESTIGATION OF PENETRATION EFFECTS FOR L-FORBIDDEN TRANSITION IN ^{121}Sb

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The internal conversion coefficients (ICC) of the K-shell of number of γ -transitions were measured with high accuracy from ^{121}Sb decay by the technique of γ - and K_X -spectroscopy, which is equal to $\alpha_K = 9.94 \pm 0.12$. Penetration parameters of M1-transitions between states with $\Delta l = 2$ were calculated on the basis of obtained data. $\lambda = -3.3 \pm 0.8$ for γ_{37} keV.