

2. INVESTIGATION OF INTERNAL CONVERSION ANOMALIES IN ^{234}Pa

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In the work presented the energy and K-shell internal conversion coefficient for γ -transition with the energy of 112,8 keV in ^{234}Pa were measured. The following estimates for $E_\gamma = 112,790 \pm 0,002$ keV and $a_K = 0,220 \pm 0,011$ have been obtained. The experimental value a_K differs by (21 – 23) % from the theoretical one and it can be treated as the demonstration of correlation effects in the internal conversion.