

EMISSION OF NEAR-ZERO-ENERGY
ELECTRONS AFTER X-RAY RADIATION

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S u m m a r y

Registration probabilities of near-zero-energy electrons e_0 are measured by the (e X-ray)-coincidence method, and their yields after creation of a vacancy on the $L_{2,3}$ -, M_{1-} , $M_{2,3-}$, $M_{4,5-}$, $N_{2,3-}$ and $N_{4,5-}$ subshells in decay of ^{154}Eu are determined. It is shown that yields of near-zero-energy electrons are proportional to the square of atom charge. This confirms our assumption about the nature of e_0 -electron radiation: it is a shake off process due to a big atom charge which suddenly appears in the near-surface layer as a result of the Auger-electrons escape after vacancy filling.