

MEASUREMENT OF ISOMERIC RATIOS IN ^{232}Th PHOTOFISSION PRODUCTS

O. A. Bezsheyko, V. A. Zheltonozhsky, I. N. Kadenko, N. V. Strilchuk

Measurement of activity of ^{232}Th photofission products with $T_{1/2} = 1 \text{ min} \div 10 \text{ h}$ has been carried out using γ -spectroscopy technique. The targets were irradiated by bremsstrahlung γ -quanta from Mevatron KD2 linear electron accelerator with boundary energy of 23 MeV. Using obtained data about photofission fragments yield isomeric ratios for ^{117}In , ^{130}Sb , ^{133}Te , $^{134\text{g}}\text{I}$ and ^{135}Xe nuclei have been measured for the first time at boundary energy of 23 MeV. For the first time mean angular momenta for mentioned above nuclei at ^{232}Th photofission have been determined.