

# ISOMERIC YIELDS RATIOS OF $^{238}\text{U}$ PHOTOFISSION FRAGMENTS AT END-POINT ENERGY OF BREMMSSTRAHLUNG PHOTONS ABOUT 18 MeV

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Investigation of  $^{238}\text{U}$  photofission fragments has been used in  $(\gamma, f) + (\gamma, nf) + (\gamma, 2nf)$  reactions at end-point energy of bremsstrahlung photons about 18 MeV. The irradiations were done on the M-30 microtron of the Laboratory of Photonuclear Reactions at IEP, Uzhgorod. The gamma-spectra of the reaction products were measured by the semiconductor spectrometers based on HPGe-detectors. Isomeric yields ratios have been defined for isomeric pairs of the heavy nuclides shown in the table.

Analysis obtained data is transacted.

Nuclide	$^{238}\text{U}$
$^{131}\text{Te}$	0.93(9)
$^{132}\text{Sb}$	3(1)
$^{134}\text{I}$	0.36(4)
$^{135}\text{Xe}$	0.069(7)
$^{84}\text{Br}$	0.40(4)
$^{90}\text{Rb}$	1.0(2)
$^{95}\text{Nb}$	0.67(7)
$^{130}\text{Sb}$	1.4(3)
$^{133}\text{Te}$	1.29(12)
$^{133}\text{Xe}$	1.7(5)