

# **The Cross-Sections of the Photonuclear Reactions**

**T. Hazratov, A.Khamrakulov**

(Samarkand state University, Uzbekistan)

The cross-sections of the photonuclear reactions ( $\gamma, \gamma'$ ), ( $\gamma, n$ ) and ( $\gamma, 2n$ ) measured for the 92 nuclear in the region between  $^{12}\text{C}$  and  $^{238}\text{U}$ . The measurements were performed by the activation method on the bremsstrahlung of the microtron with the boundary energy of 13 and 22Mev. The cross-sections were calculated using the modified model of the preequilibrium decay. The satisfactory agreement of the experimental and calculated cross-section was observed.