

**DETERMINATION OF THE CROSS SECTIONS OF (n,x) NUCLEAR REACTIONS
FOR LEAD AND BISMUTH AT THE ENERGY OF NEUTRONS 14.6 MeV**

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Cross sections of (n, 2n) and (n, n'γ) reactions on ^{204}Pb , (n, α) reaction on ^{206}Pb , (n, p) and (n, α) reactions on ^{208}Pb and (n, α) reaction on ^{209}Bi were determined on the basis of activation method at the energy of neutrons (14.6±0.4) MeV by measuring gamma-ray spectra.