

RESEARCH OF (p, γ)-REACTION ON ^{115}In NUCLEUS

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Study of γ -ray spectra accomplishing (p, γ)-reaction on ^{115}In nucleus has been performed for the first time. Measuring was carried out at 3,5 and 4 MeV proton energies. Cross section $\sigma(p, \gamma) = 0,5 \pm 0,1$ and $0,9 \pm 0,1$ mkb correspondingly have been measured. Lowest discrete ^{116}Sn states relative population has been measured also. Calculation was carried out using the statistical model with account of giant dipole resonance. Nonstatistical processes dominating role has been showed.