Compound-Nuclear Reactions and Related Topics (CNR*24)



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Study of 209Bi(g,xn) photonuclear reactions

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The cross section values for the 209Bi(γ ,xn) nuclear reactions are calculated using the different models for the level density and the radiation strength function by the TALYS code [1]. Based on the obtained data, the yields of nuclear reactions are determined. The results of this theoretical calculation are compared with experimental data in the range up to 60 MeV.

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