

Studies of excited states of ^9Be in the region of 11-13 MeV excitation

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The angular distributions for the 11.28 MeV, 11.82 MeV and 13.79 MeV states are obtained from the experiment on the scattering of alpha particles with energies of 30 and 90 MeV. The analysis of the obtained data was carried out using the DWBA model, which made it possible to determine the values of the spin-parity of the states under study. Determining the value of the spin-parities made it possible to assign these levels to the corresponding bands in the ^9Be nucleus.

The speaker is a student or young scientist

Yes

Section

1. Experimental and theoretical studies of nuclear reactions

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