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RADIAL ASYMPTOTIC OF THE WAVE FUNCTION OF FEW-PARTICLES IN THE CONTINUUM

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The asymptotic form of the wave function of a few-particle system in the continuum is described. The contribution of the rescattering processes in the leading terms of the asymptotic behavior of the wave function is analyzed. The hyperradial asymptotic behavior of the wave function is found after averaging over the hyperspherical angular variable. The perspective of applications to the analysis of the few neutron system is discussed.

1. S.L. Yakovlev // Theor. Math. Phys. 2016. V. 186(1). P. 126

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