

UNUSUAL MANIFESTATIONS OF THE PAULI
PRINCIPLE IN SCATTERING OF ATOMIC NUCLEI

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S u m m a r y

Within the microscopic model based on the algebraic version of the resonating group method, the role of the Pauli principle in the formation of the continuum wave function of the $\alpha + t + n$ nuclear system has been investigated. The norm kernel for the $\alpha + t + n$ three-cluster system has been constructed in the Fock–Bargmann space. The complete classification of the eigenfunctions and the eigenvalues of the ${}^8\text{Li}$ norm kernel by the eigenvalues of the ${}^7\text{Li} = \alpha + t$, ${}^5\text{He} = \alpha + n$, and ${}^4\text{H} = t + n$ binary subsystems has been given.