

SPECTRA OF NUCLEI ${}^9\text{Be}$ AND ${}^9\text{B}$
IN A THREE-CLUSTER MICROSCOPIC MODEL

A.V. Nesterov, V.S. Vasilevsky, T.P. Kovalenko

Bogolyubov Institute for Theoretical Physics,
Nat. Acad. of Sci. of Ukraine
(14b, Metrolohichna Str., Kyiv 03680, Ukraine;
e-mail: *nesterov@bitp.kiev.ua*)

S u m m a r y

Within a microscopic three-cluster $\alpha + \alpha + n(p)$ model, which is a three-cluster version of the algebraic approach to the resonating group method (AV RGM), we consider the spectra of the low-lying states of mirror nuclei ${}^9\text{Be}$ and ${}^9\text{B}$ in the excitation energy range from zero to 5 MeV. The obtained theoretical results are compared with the available experimental data.