

4. CLUSTER STRUCTURE OF ${}^9\text{Be}$ FROM MANY-PARTICLES REACTIONS

V. Ostashko, M. Lattuada, M. Milin, O. Goryunov, A. Di Pietro, D. Miljanic, M. Zadro, A. Musumara, M.-G. Pellegriti, S. Romano, S. Tudisco, A. Tumino, P. Figuera, H. Bohlen, W. von Oertzen T. Kokalova, S. Shumerer

Many-particle exit channels ${}^9\text{Be}({}^{13}\text{C}, {}^{13}\text{C}\alpha){}^5\text{He}$ and ${}^9\text{Be}({}^{13}\text{C}, {}^{13}\text{C}{}^8\text{Be}_{g.s.})n$ from the ${}^9\text{Be} + {}^{13}\text{C}$ interaction have been experimentally investigated. information has been received on ${}^8\text{Be}_{g.s.} - n$ AND $\alpha - {}^5\text{He}$ configurations associated with ${}^9\text{Be}$ excitation states. comparison of these configurations with calculations based on alpha-cluster conception with a valence neutron is discussed.