

#### **4. RESONANCES IN THREE-CLUSTER CONTINUUM OF ${}^5\text{H}$ NUCLEUS**

**F. Arickx, J. Broeckhove, P. Hellinckx, V. S. Vasilevsky, A. V. Nesterov**

The resonance structure of  ${}^5\text{H}$  is investigated within a three-cluster microscopic model. Hyperspherical Harmonics are used to characterize the channels of the three-cluster continuum and to implement the appropriate boundary conditions. The model predicts the energy and width of the  ${}^5\text{H}$  resonance states well and allows for a detailed channel analysis.