

MICROSCOPIC THREE-CLUSTER
DESCRIPTION OF ^{11}B AND ^{11}C NUCLEI

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S u m m a r y

We investigate bound and resonance states of ^{11}B and ^{11}C . For this aim, we make use a three-cluster microscopic model which is a combination of the resonating group method and the hyperspherical harmonics Method. The model employs the basis of hyperspherical harmonics to enumerate channels and to describe the three-cluster continuum. The parameters of bound states and the nature of resonance states imbedded in the three-cluster continuum are investigated in detail.