

Functional Integrals and Collective Excitations in Boson-Fermion Model

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Abstract: In this paper, collective excitations in the boson-fermion model are investigated by means of functional integration method. The equations of energy gap and excitation spectrum are derived. Moreover, the Bose energy spectrum of zero wave vector Fermi fields is also calculated.

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Key words: functional integrals, excitation spectrum, boson-fermion model

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