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~(20)Ne能谱的微观研究及其有限温度比热容

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摘要 应用微观sdgIBM Fmax方案和正则系综平均法,计算出20Ne核在有限温度下的比热容。由其比热容峰的出现,确认该核发生了核谱的热激发模式相变。该相变序参量应是玻色子能量

关键词 [微观sdgIBM Fmax](#) [动力学对称性](#) [比热容](#) [相变](#)

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Microscopic Study of ~(20)Ne Energy Spectrum and Its Finite Temperature Specific Heat Capacity

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Abstract Using microscopic sdgIBM max approach and procedure of canonical ensemble average, the finite temperature specific heat capacity of 20Ne is calculated. As there are peaks in the specific heat capacity, it is established that phase transition of thermal excitation mode is taken place. The order parameter of this phase transition is supposed to be boson energy.

Key words [microscopic sdgIBM-F \(max\)](#) [dynamic symmetry](#) [specific heat capacity](#) [phase transition](#)

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