乞掲示

理化学研究所原子核グループコロキウム　*2001. 11. 26*

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(Institute for Physics and Nuclear Engineering, Bucharest, Romania; RCNP, Osaka University)

題目：　Pairing Correlations and Continuum Effects in Drip Line Nuclei

∗ The seminar will be given in *English.*

日時：　2001年 11月 26日 (Mon.)　15:00 –

場所：　RIKEN Main Bldg. 1F Seminar Room

Abstract

The exotic unstable nuclei offer a window into possible new aspects of pairing correlations in loosely-bound nuclear systems. Thus in drip-line nuclei the Cooper pairs that reflect pairing correlations include important components with pairs in continuum single-particle states, a feature that is not present in stable well-bound nuclei. In my seminar I will show how the pairing correlations and continuum coupling can be treated consistently within HFB and HF-BCS approach. The effects of the continuum coupling upon pairing correlations will be discussed for the particular case of neutron-rich isotopes of Nickel and Oxygen.

∗ Host researcher : T. Otsuka (Univ. of Tokyo/RIKEN)

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