国立研究開発法人理化学研究所　仁科加速器科学研究センター
第313回 RIBF核物理セミナー
RIKEN Nishina Center for Accelerator Based Science
The 313th RIBF Nuclear Physics Seminar

A unified framework for nuclear single-particle states and collective vibrations

Prof. Gianluca Colò (University of Milan)

In this seminar, I will discuss our recent implementation of a fully self-consistent QuasiParticle-Vibration Coupling (QPVC) model. This is based on a Skyrme functional plus pairing terms, and can be applied to both closed-shell and open-shell spherical nuclei. I will present some applications to the evolution of single-proton states, as a function of neutron excess. I will also discuss Giant Resonances, focusing in particular on new results for the so-called "breathing mode" and the nuclear incompressibility.

Jan. 17th (Tue), 2023　15：30 ～
via Hybrid (Zoom + RIBF Hall)

＊ The talk will be given in English language.

Contact: Nuclear Physics Seminar Organizing Committee
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