



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330回 RIBF核物理セミナー
RIKEN Nishina Center for Accelerator Based Science
The 330th RIBF Nuclear Physics Seminar

MANY-BODY EFFECTS IN THE STRUCTURE AND REACTIONS OF NUCLEI WITH ONE- AND TWO-VALENCE NUCLEONS

Prof. Enrico Viguzzi
(Istituto Nazionale di Fisica Nucleare (INFN))

I will discuss a theoretical framework, based on particle-vibration coupling, able to take into account relevant degrees of freedom of the core in the structure and reaction calculations of nuclei with one or two valence nucleons. I will show applications to Li, Be and C isotopes, discussing the population of low-lying unbound states, focusing in particular on the study of pairing vibrations in ^{14}C via two-nucleon transfer reactions.

Feb. 1st (Thu), 2024 13:30 ~
via Hybrid (Zoom + Nishina Hall)



* The talk will be given in English language.

Contact: Nuclear Physics Seminar Organizing Committee

npsoc@ribf.riken.jp

<http://ribf.riken.jp/~seminar/>