



国立研究開発法人理化学研究所 仁科加速器研究センター
第205回 RIBF核物理セミナー

RIKEN Nishina Center for Accelerator Based Science
The 205th RIBF Nuclear Physics Seminar

軽い不安定核における二核子間の空間的相関の研究

Investigation of two-nucleon spatial correlation in light unstable nuclei

小林 史治 氏

新潟大学理学部

Dr. Fumiharu Kobayashi

(Department of Physics, Niigata University)

Recently, dinucleon correlation (dineutron and diproton correlations), which is the strong spatial correlation between two nucleons coupled to a spin singlet, is eagerly discussed theoretically and experimentally. However, the systematic investigation of dinucleon correlation in most nuclei is insufficient and the universal properties of dinucleon correlation, for example core structure effect and dynamics of one or more than one dineutrons, have not been well known yet. We extended the antisymmetrized molecular dynamics to describe the dinucleon correlation in unstable nuclei. We have investigated dinucleon correlation in ^{13}O and ^{22}C , and we will mainly discuss the core structure effect on dinucleon correlation in those nuclei.

* The talk will be given in English language..

July 17th (Fri.) 2015 13:30 ~
RIBF Hall (rm.201), RIBF bldg., RIKEN

Contact: Nuclear Physics Seminar Organizing Committee
npsoc@ribf.riken.jp
<http://ribf.riken.jp/~seminar/>



独立行政法人理化学研究所 仁科加速器研究センター
第???回 RIBF核物理セミナー
RIKEN Nishina Center for Accelerator Based Science
The ???st RIBF Nuclear Physics Seminar

講演標題(日本語)

講演標題(英語)

?????氏

(所属日本語)

Dr. ???

(所属英語)

Abstract

* The talk will be given in English.

Feb 10(Tue.) 2015 15:30 ~
RIBF Hall (rm.201), RIBF bldg., RIKEN

Contact: Nuclear Physics Seminar Organizing Committee
npsoc@ribf.riken.jp
<http://ribf.riken.jp/~seminar/>