独立行政法人理化学研究所　仁科加速器研究センター
第152回 RIBF核物理セミナー
RIKEN Nishina Center for Accelerator Based Science
The 152nd RIBF Nuclear Physics Seminar

This seminar is co-organized with Joint Institute for Computational Fundamental Science (JICFuS), HPCI Strategic Program Field 5: The origin of matter and the universe.

Quartet condensation in infinite matter

Prof. Peter Schuck
(Institute Nuclear Physics, Orsay, France)

The THSR wave function for alpha particle condensation conserves particle number and is, therefore, very difficult to apply in the case of heavy nuclei with many alpha particles. We propose a treatment of alpha particle condensation which breaks particle number as in the fameous BCS theory and apply it to infinite matter. Ways to use it also for finite nuclei shall be discussed.

Nov.15(Thu), 2012　13:00～
Nishina Hall, RIKEN

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