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210回 RIBF核物理セミナー
RIKEN Nishina Center for Accelerator Based Science
The 210th RIBF Nuclear Physics Seminar

Few-body universality and halo nuclei

Prof. Hans Werner Hammer
(Theory Center, Institute of Nuclear Physics, TU Darmstadt)

Few-body systems with resonant S-wave interactions show universal properties that are independent of the interaction at short distances. These properties include a geometric spectrum of three- and higher-body bound states and universal correlations between few-body observables. They can be observed on a wide range of scales from hadrons and nuclei to ultracold atoms. In th talk, I will focus on few-body universality in halo nuclei which can be considered as effective few-body systems consisting of halo nucleons and a core. This concept provides a unifying framework for halo nuclei with calculable corrections. I will discuss recent progress in this field with an emphasis on the possibility of finding Efimov states in halo nuclei.

＊ The talk will be given in English language..

Nov. 27th (Fri.) 2015 13:30～
RIBF Hall (rm.201), RIBF bldg., RIKEN

Contact: Nuclear Physics Seminar Organizing Committee
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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

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