



独立行政法人理化学研究所 原子核グループ
第11回RIBF核物理セミナー
RIKEN Nuclear Physics Group
The 11th RIBF Nuclear Physics Seminar

Isoscaling behavior and symmetry energy

Dr. Yu-Gang Ma
(Shanghai Institute of Applied Physics , China)

Abstract

The isotopic composition of the nuclear reaction products contains important information on the role of the isospin on the reaction process. Recently it has been revealed that the ratios of the yields of given isotopes obtained from the two reactions exhibits an exponential dependence on N or Z , which is called as isoscaling behavior. In this talk, I will show the isoscaling behavior from different reaction mechanisms which is ranging from fission, projectile fragmentation, fragmentation to multifragmentation. The sequential decay effect on isoscaling effect has been investigated. Finally the symmetry energy is discussed in the viewpoint of models.

Feb. 10 (Fri), 2006 10:30-
Conference Hall, RIBF Bldg. 2F

The seminar will be given in English

Contact: seminar@rarf.riken.jp
<http://rarfaxp.riken.jp/~seminar>