

RCNP SEMINAR
Research Center for Nuclear Physics, Osaka University

Speaker Prof. Koji Nakai
 (International Institute for Advanced Studies/KEK)

Title Nuclear Moments and Nuclear Structure
 - Reminiscence of γ -ray spectroscopy in early 1970's -

Time&Date 16:00-, May 21 (Fri) , 2010

Place Lecture room, 4th floor , RCNP, Osaka University

Abstract

Looking back on my research activities in Osaka, LBL, NBI, and Tokyo, a brief summary will be given about the γ -ray spectroscopy of high-spin states which revealed new facets of nuclei. In those years from the end of 1960's to early 70's, Japanese experimental group has grown up to the top level of the world. Contents of my talk will cover (hopefully) :

- study of nuclear magnetic moments : core-polarization and mesonic effect
- study of nuclear quadrupole moments : sign of nuclear deformation
- study of rotational levels : Coriolis effect and decoupled band

An international conference on "Nuclear Moments and Nuclear Structure" held in Osaka in 1972 summarized those activities.

(The talk will be in Japanese)