



独立行政法人理化学研究所 仁科加速器研究センター

第43回RIBF核物理セミナー

RIKEN Nishina Center for Accelerator Based Science

The 43rd RIBF Nuclear Physics Seminar

Systematic studies of low-lying structure for nuclei in  $A=130-150$  region

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Recently, we performed systematic calculations on low-lying states of nuclei with  $A=130-150$  region. We obtain parameters of shell model Hamiltonian by using the first  $2+$  energy of even-even nuclei and we take same parameters for neighboring odd- $A$  and doubly odd nuclei. We calculated both energy levels,  $E2$  transitions and  $g$  factors, which well reproduce available data.

Apr. 24(Tue), 2007 15:30-  
RIBF Conf. Hall, RIKEN

*The seminar will be given in English.*

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