

# IIAS Nuclear Physics Meeting on "Ab initio study of nuclear structure "

**Date** October 28 (Tue) 10:00 –17:00

**Place** International Institute for Advanced Studies (Kizu, Kyoto)

**Contact person** Hisashi Horiuchi, Takayuki Myo

**Program** (including 5 min discussion for each person)

10:00 Opening H. Horiuchi (RCNP)

10:05 T. Neff (GSI)

TBA

10:35 T. Togashi (Hokkaido Univ.)

The study of nuclear structure with the Brueckner-AMD

11:05 Break

11:25 T. Myo (Osaka Institute of Technology)

Tensor optimized shell model with unitary correlation operator  
for light nuclei

11:55 H. Kamada (Kyusyu Institute of Technology)

Equivalent potential in Few-Body Systems

12:25 Lunch

13:40 M. Kamimura (RIKEN)

Four-body calculation of the first excited state of  ${}^4\text{He}$  using a realistic  
NN interaction:  ${}^4\text{He}(e,e){}^4\text{He}(0^+_2)$  and the monopole sum rule

14:10 S. Aoyama (Niigata Univ.)

Few-body reaction calculations with MRM

14:40 Break

15:00 Y. Funaki (RIKEN)

4-alpha condensate state in  ${}^{16}\text{O}$

15:25 M. Takashina (RCNP)

TBA

15:50 Y. Taniguchi (RCNP)

Cluster structures in  ${}^{28}\text{Si}$

16:15 Discussion

17:00 Closing