

Abstract Submitted  
for the HAW09 Meeting of  
The American Physical Society

*Ab initio* no-core full configuration calculation of light nuclei by Monte Carlo shell model with JISP16 *NN* interaction T. ABE, University of Tokyo, P. MARIS, Iowa State University, T. OTSUKA, N. SHIMIZU, University of Tokyo, Y. UTSUNO, Japan Atomic Energy Agency, J.P. VARY, Iowa State University — Benchmark test calculation of ground-state properties of light nuclei in no-core full configuration approach is presented. Monte Carlo shell model calculation by a stochastic diagonalization technique is compared with that in a exact diagonalization using the J-matrix inverse scattering potential (JISP16).

Takashi Abe  
University of Tokyo

Date submitted: 06 Jul 2009

Electronic form version 1.4