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).