Recent results for Be isotopes with JISP16\textsuperscript{1} PIETER MARIS, JAMES VARY, Dept. of Physics and Astronomy, Iowa State University, ANDREY SHIROKOV, Skobeltsyn Institute of Nuclear Physics, Moscow State University — We present recent results from no-core full configuration calculations for Be isotopes up to mass 14 using a phenomenological two-body interaction, JISP16. We calculate the ground state energies (with numerical uncertainties) and low-lying spectra of both the natural and unnatural parity states. In addition to the binding energies we also discuss other observables such as dipole and quadrupole moments, as well as transition rates for select M1 and E2 transitions.

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