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Spectroscopy of Exotic Lambda-hypernuclei within Covariant Density Functional Theory

Covariant density functional theory can well describe the bulk and single-particle properties of nuclei in a self-consistent way. Typical neutron-rich Lambda-hypernuclei ^{12}Be and ^{16}C are investigated within covariant density functional theory. The bulk properties of mean field, meson-nucleon tensor coupling, spin-orbit term, behaviors of neutrons are focused.

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