

Abstract Submitted  
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**Current status of our microscopic predictions of the equation of state**<sup>1</sup> FRANCESCA SAMMARRUCA, University of Idaho — Intense experimental efforts to constraint the nuclear equation of state (EoS) are in progress or in the planning stage. Isospin asymmetry is of particular interest. Therefore, corresponding theoretical calculations are important and timely. We will present and discuss most recent progress in our systematic exploring of diverse aspects of the equation of state, which includes predictions of hyperon energies in nuclear matter. Consideration of strangeness in the EoS is important in the low to normal density regime, where it complements studies of hypernuclei, as well as at the high densities typical for the core of neutron stars.

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