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Nuclear Symmetry Energy from Experiment and Astrophysics

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Nuclear mass measurements and neutron matter theory tightly constrain the parameters S_V and L of the nuclear symmetry energy. Corroboration can be found from measurements of the neutron skin thicknesses and dipole polarizabilities of neutron-rich nuclei, as well as astrophysical measurements of the neutron star radius.

Primary author: LATTIMER, James (Stony Brook University)

Presenter: LATTIMER, James (Stony Brook University)