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Density dependence of the symmetry energy in the equation of state of asymmetric nuclear matter D.V. SHETTY, S.J. YENNELLO, G.A. SOULIOTIS, Cyclotron Institute, Texas A&M University, College Station, TX 77843 — The density dependence of the symmetry energy is an important ingredient in the equation of state of asymmetric nuclear matter. This currently unknown quantity is key to understanding the structure of systems as diverse as the atomic nuclei and neutron stars. Theoretical calculations predict wide variety of different forms of the density dependence of the symmetry energy. Results from various different measurements constraining this dependence will be presented.

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