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Nuclear Incompressibility and the Asymmetry Term from Measurements of the Giant Monopole Resonance in Neutron-Rich Nuclei

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The nuclear incompressibility parameter, K_∞, is an important component characterizing the nuclear equation of state, with crucial bearing on diverse nuclear and astrophysical phenomena. The only direct experimental measurement of this quantity comes from the compression-mode giant resonances–the isoscalar giant monopole resonance (ISGMR) and the isoscalar giant dipole resonance(ISGDR).
In this talk, I will review the current status of determination of nuclear incompressibility, especially the asymmetry term, K_τ, and discuss some recent and forthcoming measurements on neutron-rich nuclei, including on ^{132}Sn at FRIB.

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