

STRUCTURE OF NEUTRON-RICH NUCLEI¹

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One of the frontiers of today's nuclear science is the "journey to the limits": of atomic charge and nuclear mass, of neutron-to-proton ratio, and of angular momentum. The new data on exotic nuclei are expected to bring qualitatively new information about the fundamental properties of the nucleonic many-body system, the nature of the nuclear interaction, and nucleonic correlations at various energy-distance scales. Current developments in nuclear structure of neutron-rich nuclei are discussed from a theoretical perspective.

¹Abstract of published paper: p. 32 in *Fission and Properties of Neutron-Rich Nuclei* (World Scientific Publishing Co., Singapore, 1998) (Proceedings of International Conference on Fission and Properties of Neutron-Rich Nuclei, Sanibel Island, FL, November 13–15, 1997).

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