

# Shape coexistence in neutron-rich nuclei near $^{68}\text{Ni}$

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The last decade has witnessed increased interest in structural properties of neutron-rich nuclei in the region located between  $^{48}\text{Ca}$  and  $^{78}\text{Ni}$ , motivated in part by the prospect of the onset of new subshell closures at neutron numbers  $N = 32$  and  $N = 34$  as well by questions about the magnitude of the shell gap at  $N = 40$ .

This presentation will review the available data obtained with a number of experimental techniques. It will compare the observations with recent calculations highlighting the importance of three-body forces as well as the role of the occupation of specific orbitals. Evidence for both new subshell closures and the onset of collective behavior will be discussed, culminating in evidence for shape coexistence in  $^{68,70}\text{Ni}$ .

This work is supported by the Department of Energy (DOE), Office of Nuclear Physics, under Contract No. DE-AC02-06CH11357. This research used resources of ANL's ATLAS facility, a DOE Office of Science User Facility.