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Abstract for an Invited Paper for the HAW14 Meeting of the American Physical Society

One- and two neutron decay of light neutron-rich nuclei¹

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Direct reactions with radioactive beams have been used very successfully to populate and measure nuclei beyond the neutron dripline and neutron unbound excited states of nuclei close to the neutron dripline. The use of different reactions (for example neutron removal and proton removal) to populate the same final nucleus can be used to selectively populate different states. Recent results from the MoNA-LISA setup at the NSCL, including ¹⁰He, ^{10,11}Li, and ^{12,13}Be will be presented.

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