

Abstract Submitted
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Shapes of Exotic Nuclei by Single- and Multi-Step Coulomb Excitation¹ J.M. ALLMOND, ORNL, CLARION-BAREBALL COLLABORATION, GRETINA-CHICO2 COLLABORATION — Coulomb excitation is a powerful technique for probing the shell structure, collectivity, and shapes of atomic nuclei through the measurement of electromagnetic moments. Single- and multi-step Coulomb excitation results from CLARION-BareBall at HRIBF-ORNL (e.g., ¹³⁶Te) and GRETINA-CHICO2 at CARIBU-ANL (e.g., ¹⁰⁶Mo and ^{106,110}Ru) will be presented. A survey of the equipment, techniques, and results will be given. An emphasis will be placed on unique opportunities with ~ 3 -MeV/u beams and future directions at CARIBU and ReA3.

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