

Abstract Submitted
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Nuclear Data Needs for Research at the Facility for Rare Isotope Beams¹ BRADLEY SHERRILL, Facility for Rare Isotope Beams — Estimates indicate that the Facility for Rare Isotope Beams, FRIB, could produce 1000 new isotopes and allow the detailed study of in total nearly 4500 isotopes. With this potential for discovery, one of the main scientific goals of the facility is to make the series of measurements that will allow a comprehensive model of atomic nuclei to be developed. Evaluation and interpretation of nuclear data will be one of the key steps in reaching this goal. Hence, research at FRIB will both require and generate large amounts of nuclear data. This makes a close connection to the US Nuclear Data Program essential. A connection could also be useful to identify the new measurements that should be made to fill in missing, important data for applied programs as well as basic research. The talk will prove an overview of these issues and the projected capabilities of FRIB.

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