

DNP20-2020-000073

Abstract for an Invited Paper  
for the DNP20 Meeting of  
the American Physical Society

**Day 1 FRIB opportunities for experimental nuclear astrophysics<sup>1</sup>**

K.A. CHIPPS, Oak Ridge National Lab

The DOE-funded Facility for Rare Isotope Beams, soon to be completed on the campus of Michigan State University, will provide new opportunities for experimental nuclear astrophysics studies relevant to a myriad of astronomical environments, from classical novae to neutron star mergers. Many different pieces of the astrophysical puzzle are still required to complete our understanding of these fascinating stellar phenomena, and there are many different techniques that can be utilized to provide input. This talk will provide an overview of some of these experimental opportunities.

<sup>1</sup>Funding provided by DOE NP