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Abstract for an Invited Paper for the APR21 Meeting of the American Physical Society

Stellar Dissection: The role of low-energy nuclear physics in understanding the cosmos STEPHANIE LYONS, Michigan State University

Not your typical high school biology dissection! In this talk, I will discuss how low-energy nuclear physics is used to dissect stars and understand what makes them burn. From our own Sun to explosive stellar environments like neutron-star mergers, I will discuss experimental efforts being used to unravel the mysteries of these colossal cauldrons of the universe.