



Gravity Waves from Neutron Star Binaries: Significance for Nuclear Astrophysics

Prof. Rebecca Surman

Department of Physics
University of Notre Dame

Wednesday

November 15

4:00 P.M.

Rm 118 NSH

On 17 August 2017, LIGO and Virgo detected a gravitational wave signal from the inspiral and merger of two neutron stars. The merger produced radiation across the electromagnetic spectrum, observed by a total of seventy ground- and space-based observatories. Here we will review the discovery and discuss its implications for nuclear astrophysics, including the origins of the heaviest elements such as gold, platinum, and uranium.