



Western University
Department of Physics and Astronomy

PHYSICS & ASTRONOMY COLLOQUIUM

Date: **Thursday, 7th December 2017**
Time: **3:30 p.m.**
Location: **Physics & Astronomy Seminar Room 100**

Dr. Aaron Zimmerman

Canadian Institute for Theoretical Astrophysics
University of Toronto

“The First Detection of Gravitational Waves from a Binary Neutron Star”

ABSTRACT

I will discuss the first detection of gravitational waves from the inspiral and eventual merger of two neutron stars. This cosmic collision was accompanied by emission throughout the entire electromagnetic spectrum, and was observed by thousands of astronomers across the world. Together, the gravitational and electromagnetic signals have begun to answer a multitude of long-standing questions in astrophysics. I will give an overview of this event, what we have learned from it, and what lies ahead for gravitational wave astronomy.

COFFEE + light snacks will be available in the Atrium, 2nd floor, at 3:15 p.m.