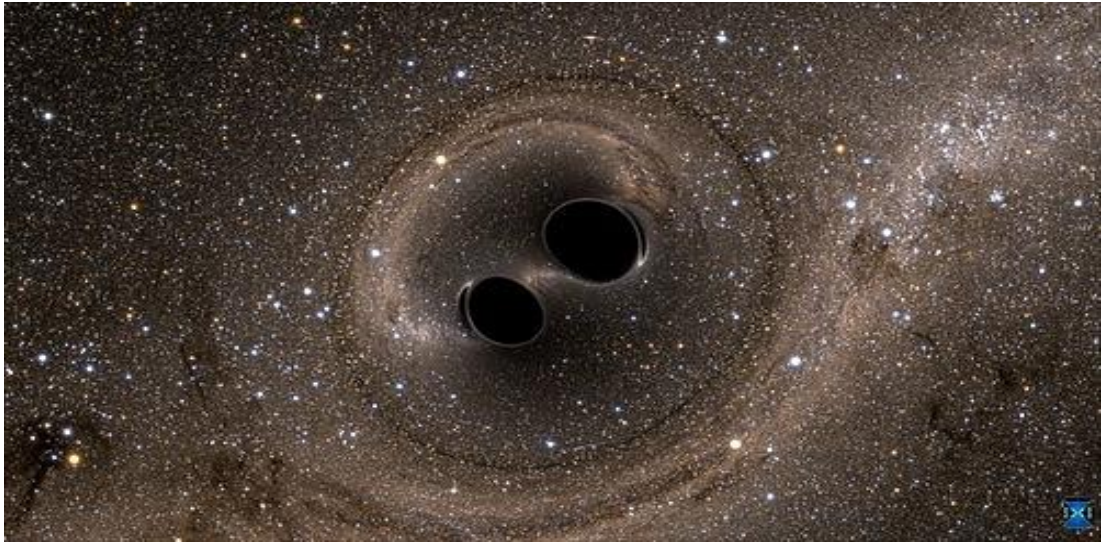




Society of Physics Students Zone 18 Meeting California State University, Bakersfield



Dr. Geoffrey Lovelace
CSU Fullerton & LIGO Collaboration

Undergraduate research in the era of gravitational-wave astronomy

With its observations of gravitational waves from merging black holes and from merging neutron stars, Advanced LIGO and Virgo have inaugurated a new era of astronomy. Supercomputer calculations of merging black holes are crucial for helping LIGO learn as much as possible from its observations. In this talk, I will give an update on LIGO's latest observations, and I will discuss the role that supercomputer simulations of merging black holes are playing in these discoveries. Throughout the talk, I will highlight some of the ways that undergraduate researchers at Cal State Fullerton have contributed to LIGO's discoveries.

2:00 - 3:30 p.m. Saturday, March 10th
CSU Bakersfield Humanities Complex 1107
All Welcome! Refreshments Served