

4CF15-2015-000161

Abstract for an Invited Paper  
for the 4CF15 Meeting of  
the American Physical Society

**Advanced LIGO quest for Gravitational Waves Astronomy.**

MICHELE ZANOLIN, Embry-Riddle Aeronautic University

In this talk I will summarize the current efforts and prospects of the Laser Interferometer Gravitational Wave Observatory (LIGO) to detect Gravitational Wave transients of astronomical origin. Particular focus will be given on the current status of the instruments (Advanced LIGO started the collection of data in September 2015) and the perspectives for the incoming years.