

Amber Stuver, PhD

Associate Professor of Physics | College of Liberal Arts and Sciences at Villanova University
Villanova , PA, US

Amber Stuver, PhD, is an expert in gravitational waves.

Biography

Dr. Stuver is an expert in gravitational waves and has been an active member of the LIGO Scientific Collaboration since 1999. Her research focuses on the computational search for gravitational waves buried in detector noise; she also works to improve the data quality of the detector for data analysis purposes. Dr. Stuver is also an expert in communicating science to the public with 10 years of experience working at the LIGO Science Education Center at the Livingston Observatory in Louisiana. She has given many public talks, including TEDx, and has developed educational works, including her blog (www.LivingLIGO.org) and the TED-Ed animation and lesson materials on "What are Gravitational Waves?"

Areas of Expertise

Gravity, Astrophysics, Gravitational Waves, Black Holes

Affiliations

Member, LIGO Scientific Collaboration , APS Committee on Informing the Public, Chair, AAPT Committee on Space Science and Astronomy, Chair, APS Forum on Outreach and Engaging the Public, Member-at-Large

Education

Pennsylvania State University
PhD

Pennsylvania State University
MEd

Select Accomplishments

2016 Special Breakthrough Prize in Fundamental Physics
Fundamental Physics Prize Foundation

2016 Cosmology Prize (awarded to entire LIGO team)
Gruber Foundation

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