



Georgia State
University

Mathematics & Statistics Club
Presents Dr. Misty Bentz

Measuring the Masses of Monster Black Holes

The existence of black holes has been proven beyond a reasonable doubt in the last 20 years, with measurements of their masses providing the final necessary evidence. We now know that there is a black hole with a mass of 4 million times that of the Sun living in the center of our own galaxy, the Milky Way. Dr. Bentz will discuss the reasons astrophysicists want to measure black hole masses, the basic physical principles behind these measurements, and describe the ongoing mathematical challenges involved in measuring the masses of black holes today.

Wednesday November 6th • 12:15pm • 796 COE