



# PHYSICS AND ASTRONOMY SEMINAR

## Dr. Melissa Graham

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### “Constraints on the Progenitors of Type Ia Supernovae from Observations at Late Times”

#### Abstract

In this talk I will discuss recent advances in the observational techniques used to understand the progenitor systems of Type Ia supernova, a powerful cosmological standard candle. I will focus the role of optical observations at very late times, such as the analysis of nebular-phase spectra, searching for emission from an impacted companion star 3 years after the explosion, and deep post-explosion HST imaging for extremely low-mass host galaxies.

Friday, September 18, 2015

10:30 a.m.

Elliott Building

Room 160