

SPECTROSCOPIC ANALYSIS OF THE WHITE DWARFS IN M67

Kurtis A. Williams^{1,2}, Michael Bolte³, A. Bellini^{4,5}, J. S. Kalirai⁵, L. R. Bedin⁵, G. Piotto⁴

¹ *University of Texas at Austin, Austin, TX, USA;* ² *Texas A&M University Commerce, Commerce, TX, USA;* ³ *UCO/Lick Observatory, Santa Cruz, CA, USA;* ⁴ *Università di Padova, Padova, Italy;* ⁵ *Space Telescope Science Institute, Baltimore, USA*

We present spectroscopy of nearly 30 white dwarfs in the field of the 4 Gyr-old, solar-metallicity star cluster Messier 67. For many of these white dwarfs, proper motion memberships are available. For those spectra with sufficient signal-to-noise, we derive the cluster initial-final mass relation; this large sample of confirmed members results in one of the best constraints on the initial-final mass relation for solar-metallicity stars near $1M_{\odot}$. We also discuss the DA:non-DA ratio in the cluster and find no significant difference from the field ratio. Lastly, we discuss potential cluster white dwarf progeny of blue straggler stars.