Scott Carlsten scottgc@princeton.edu / scarlsten.com

Present Address 6340 Main Street Houston, TX 77005 (505) 500-7129		Permanent Address 36 Loma Del Escolar Los Alamos, NM 87544 (505) 500-7129	
Education	Rice University , Houston, TX B.S. Astrophysics, summa cum laude with distinction in resear Thesis entitled: "H ₂ and Br γ Line Offsets in Regions of Massive Star Formation" GPA 4.19 in major, 4.17 overall (A=4.0, A+=4.33)	13 May 2017 rch	
Experience	Research Assistant, Rice University, Houston, TX Studied stochastic particle production during inflation. Model evolution of fields and calculated the two-point correlation function of fluctuations in the gravitational potential.	05/16 - Present	
	Teaching Assistant, Rice University, Houston, TX Teaching assistant for an introductory astronomy lab class. Acted as telescope operator, helping students take photograph and spectroscopic data with the campus observatory.	01/16 - 05/16 nic	
	Research Assistant, Rice University, Houston, TX Reduced near-IR data of photo-dissociation regions and compared with computer models to constrain physical propert of these regions.	04/15 - 05/16	
	Research Intern, CTIO, Cerro Tololo, La Serena, Chile Analyzed kinematics and stellar population parameters of shell galaxies to try to explain their formation by comparing with computer models of galaxy evolution.	01/15 - 04/15	
	Research Assistant, Los Alamos National Lab, Los Alamos Wrote code to rapidly stream data off of a digitizer board and developed algorithms for the parallel processing of RF data.	, NM 04/14 - 08/14	
Academic Honors	National Distinguished Award Winner, EnergySolutions National Merit Scholarship Los Alamos National Laboratory Foundation Platinum Schola Max Roy Scholarship for full tuition, Rice Presidential Honor Roll, Rice Bonner Book Award for Outstanding Junior in Physics, Rice Claude W. Heaps Prize for Outstanding Senior Thesis in Phys	2010 2011 ar 2012 2012-2016 Fall 2012 - Fall 2015 2015 sics, Rice 2016	
Computer Skills	Languages:Python, Mathematica, MATLAB, IATEXSoftware:IRAF, including optical, near-IR, and spect scopic data	ro-	
Coursework	Introductory physics, waves and optics, multivariable calculus, differential equations,		

partial differential equations, mechanics, quantum mechanics, stellar interiors and stellar evolution (graduate level), galaxies and cosmology (graduate level), statistical mechanics and thermodynamics, electromagnetism, plasma physics (graduate level), and quantum field theory (graduate level)

PresentationsPresentations:& Publications

- 2016 AAS Winter Meeting. Poster: "Stellar Populations of Shell Galaxies"
- 2015 Rice Departmental Seminar: "Stellar Populations of Shell Galaxies"

Publications:

• S. Carlsten, G. Hau, & A. Zenteno, *Stellar Populations of Shell Galaxies* [arXiv:1611.05437] MNRAS, submitted.