

Sean P. Fillingham

CONTACT INFORMATION	Department of Physics and Astronomy University of California Irvine 2137 Frederick Reines Hall Irvine, CA 92617 sfilling@uci.edu
CITIZENSHIP	USA
RESEARCH INTERESTS	galaxy evolution, quenching, star formation, reionization, galaxy formation, dark matter
EDUCATION	University of California, Irvine Doctor of Philosophy, Physics, <i>In Progress</i> <ul style="list-style-type: none">• Advisor: Michael C. Cooper, Ph.D. Master of Science, Physics, 2015 University of California, Los Angeles Bachelor of Science, Physics, 2013
FIRST AUTHOR PUBLICATIONS	<i>Under Pressure: Quenching Star Formation in Low-Mass Satellite Galaxies via Stripping</i> Fillingham, S. P. , Cooper, M. C., Pace, A. B., et al. 2016, MNRAS, 463 1916 <i>Taking Care of Business in a Flash ‡: Constraining the Timescale for Low-Mass Satellite Quenching with ELVIS</i> Fillingham, S. P. , Cooper, M. C., Wheeler, C., et al. 2015, MNRAS, 454, 2039
NTH AUTHOR PUBLICATIONS	<i>Discovery and Follow-Up Observations of the Young Type Ia Supernova SN 2016COJ</i> WeiKang, Z., Mauerhan, J., Graham, M., et al. (in prep)
TALKS	2016 Keck Science Meeting, Caltech, Fall, 2016 2016 Santa Cruz Galaxy Workshop, Summer, 2016 2015 Santa Cruz Galaxy Workshop, Summer, 2015 Theoretical Astrophysics of Southern California Meeting, Fall, 2012
CONFERENCE POSTERS	<i>Under Pressure: Quenching Star Formation in Low-Mass Satellite Galaxies via Stripping</i> Fillingham, S. , Cooper, M. C., Pace, A. B., et al. <i>Testing Observational Probes of the $z=2.2$ Circumgalactic Medium using Cosmological Scale Hydrodynamic Simulations</i> Fillingham, S. , Peebles, M. S., Oppenheimer, B. D., et al. 2013, American Astronomical Society Meeting Abstracts #221, 221, #245.08
OBSERVING EXPERIENCE	Keck Observatory DEIMOS: 7 Nights MOSFIRE: 2 Nights Lick Observatory KAST: 4 Nights

TEACHING
EXPERIENCE

Teaching Assistant:

Physics 2 - Introduction to Math Methods for Physics	Fall 2014
Physics 3LB - Basic Physics Lab	Summer 2015
Physics 3LC - Basic Physics Lab	Fall 2014
Physics 7C - Classical Physics	Fall 2013, Winter 2014
Physics 7D - Classical Physics	Summer 2014
Physics 7LC - Classical Physics Lab	Fall 2013, Winter 2014
Physics 7LD - Classical Physics Lab	Summer 2014
Physics 20B - Cosmology	Spring 2014, Winter 2015
Physics 20D - Space Science	Fall 2015
Physics 20E - Life in the Universe	Spring 2015
Physics 116 - Relativity	Fall 2015

REFERENCES

Michael C. Cooper, Ph.D. (Advisor)

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James S. Bullock, Ph.D.

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