

Dr. Louis E. Strigari

CONTACT INFORMATION	4129 Frederick Reines Hall Department of Physics and Astronomy University of California, Irvine Irvine, CA 92697 USA	<i>Office:</i> (949) 824-6149 <i>Cell:</i> (614) 371-3330 <i>E-mail:</i> lstrigar@uci.edu <i>WWW:</i> www.physics.uci.edu/~lstrigar
RESEARCH INTERESTS	Theoretical Cosmology and Particle Astrophysics; Dark Matter, Dark Energy; Neutrinos	
EDUCATION	The Ohio State University , Columbus, OH, USA Ph.D. Physics, June 2005 Thesis Title: "Exploring the Universe with Neutrinos," Advisor: Terry Walker Miami University , Oxford, OH, USA B.A., Physics, May 1999	
ACADEMIC AND WORK EXPERIENCE	University of California–Irvine , Irvine, CA, USA <i>Postdoctoral researcher</i>	September 2005 - present
	The Ohio State University , Columbus, OH, USA <i>Graduate Research Assistant</i> <i>Teaching Assistant</i>	August 2003 - August 2005 September 2000 - August 2003
HONORS AND AWARDS	<i>Gary McCue Fellowship</i> , Center for Cosmology, University of California–Irvine, 2006 <i>Hazel Brown Teaching Award</i> , Department of Physics, The Ohio State University, 2004 <i>Best Summer Series Seminar</i> , Department of Physics, The Ohio State University, 2003 <i>Undergraduate Research Award</i> , Department of Physics, Miami University, 1999	
PLANNED SEMINARS	Joint Tufts/CfA/MIT Cosmology Seminar Series, Institute for Theory and Computation, March 2008 Michigan Center for Theoretical Physics, Department of Physics, University of Michigan, February 2008 <i>Dark Matter and Dwarf Galaxies</i> , Perimeter Institute for Theoretical Physics, Young Researchers Conference, December 2007 <i>Dark Matter, Small-Scale Structure, and Dwarf Galaxies</i> , Berkeley Cosmology Group Seminar, University of California–Berkeley, November 2007 <i>Dark Matter Annihilation in Dwarf Galaxies</i> , GLAST Science Lunch, Kavli Institute for Particle Astrophysics and Cosmology, Stanford University, November 2007	
SEMINARS AND COLLOQUIA	<i>Dark Matter, Small-Scale Structure, and Dwarf Galaxies</i> , Astrophysics Seminar, Center for Cosmology and Particle Physics, New York University, October 2007	

Dark Matter, Small-Scale Structure, and Dwarf Galaxies, Astrophysics Informal Seminar Series, Institute for Advanced Study, October 2007

Dark Matter in Dwarf Galaxies, Department of Astronomy, Columbia University, October 2007

Dark Matter, Small-Scale Structure, and Dwarf Galaxies, Particle Astrophysics Seminar, Department of Physics, Case Western Reserve University, September 2007

Determining the Nature of Dark Matter with Astrometry, Seminar, Kavli Institute for Cosmological Physics, University of Chicago, May 2007

Determining the Nature of Dark Matter with Astrometry, Particle Astrophysics Seminar, Fermilab, April 2007

Cosmological Implications of Dark Matter from Late Decays, Astrophysics and Cosmology Seminar, Los Alamos National Laboratory, April 2006

Prospects for Detecting Supernova Neutrinos, High Energy Physics Seminar, University of California–Berkeley, February 2006

Prospects for Detecting Supernova Neutrinos, Joint Particle Seminar, University of California–Irvine, October 2005

The Supernova Relic Neutrino Background, High Energy Physics Seminar, The Ohio State University, March 2004

INVITED
CONFERENCE
TALKS

The Mass Function of Milky Way Satellites, The Globular Cluster-Dwarf Galaxy Connection, Michigan Center for Theoretical Physics, Ann Arbor, MI, August 2007

Dark Matter Clues from Small-Scale Structure, TeV Particle Astrophysics II, Madison, WI, August 2006

Cosmological Implications of Dark Matter from Late Decays, 14th International Conference on Supersymmetry and the Unification of Fundamental Interactions, Irvine, CA, June 2006

The Diffuse Supernova Neutrino Background, Conference in honor of Gary Steigman's 65th birthday, The Ohio State University, May 2006

Dark Matter and Galaxy Cores, Galaxies in the Cosmic Web Conference, New Mexico State University, May 2006

Prospects for Detecting Supernova Neutrinos, DUSEL Collaboration Meeting, Colorado State University, November 2005

The Diffuse Supernova Neutrino Background, Weak Interactions and Neutrinos 2005 (WIN05), Delphi, Greece, June 2005

Theoretical Review of Supernova Relic Neutrinos, Underground Nucleon Observatory (UNO) Collaboration Meeting, University of Minnesota, April 2004

CONTRIBUTED
CONFERENCE
TALKS

Dark Matter Detection from Luminous Milky Way Satellites, Hunt for Dark Matter Symposium, Fermilab, May 2007

Resolving the Core/Cusp Issue with Astrometry, UC Irvine, 3rd Cosmology Conference, Astrophysical Probes of the Nature of Dark Matter, March 2007

Distinguishing Between Warm and Cold Dark Matter, Aspen Center for Physics, Neutrinos in Astrophysics and Cosmology, February 2007

Determining the Nature of Dark Matter with Astrometry, Theoretical Astrophysics in Southern California 2006 (TASC06), Kavli Institute for Theoretical Physics, University of California, Santa Barbara, October 2006

Measuring Dark Matter Distributions in Local Group Galaxies with Space Interferometry, Cosmo 2006, Lake Tahoe, CA, September 2006

Testing Warm Dark Matter Models with Dwarf Galaxies in the Local Group, UCLA Dark Matter 2006, February 2006

The Diffuse Supernova Neutrino Background, Theoretical Astrophysics in Southern California 2005 (TASC05), The California Institute of Technology, October 2005

The Type Ia Supernova Rate in the Local Universe, Astronomy with Radioactivities, Clemson University, September 2005

The Diffuse Supernova Neutrino Background and the Cosmological Star Formation Rate, APS April Meeting, Tampa, FL, April 2005

PROFESSIONAL
ACTIVITIES

Manuscript referee for the Astrophysical Journal

Lead-organizer for the UCI Astrophysics Seminars, Fall 2007- Winter 2008

Co-organizer for the UCI “Astrophysical Probes of the Nature of Dark Matter” workshop, March 2007

Member of the Local Organizing Committee, “Fundamental Physics with the Cosmic Microwave Background” workshop, March 2006

GRANT

Co-investigator on the NSF grant “Structure Formation on Small Scales and the Nature of Cold Dark Matter” (AST-0607746, PI: Manoj Kaplinghat)

REFERENCES

John Beacom
Department of Physics and Department of Astronomy
The Ohio State University
191 West Woodruff Ave.
Columbus, OH 43210
Voice: (614) 247-8102
E-mail: beacom@mps.ohio-state.edu

James Bullock
Department of Physics and Astronomy
University of California, Irvine
4129 Frederick Reines Hall
Irvine, CA 92697
Voice: (949) 824-6911

E-mail: bullock@uci.edu

Jonathan Feng
Department of Physics and Astronomy
University of California, Irvine
4129 Frederick Reines Hall
Irvine, CA 92697
Voice: (949) 824-9821
E-mail: jlf@uci.edu

Manoj Kaplinghat
Department of Physics and Astronomy
University of California, Irvine
4129 Frederick Reines Hall
Irvine, CA 92697
Voice: (949) 824-8521
E-mail: mkapling@uci.edu

Gary Steigman
Department of Physics and Department of Astronomy
The Ohio State University
191 West Woodruff Ave.
Columbus, OH 43210
Voice: (614) 292-1999
E-mail: steigman@mps.ohio-state.edu

Terry Walker
Department of Physics and Department of Astronomy
The Ohio State University
191 West Woodruff Ave.
Columbus, OH 43210
Voice: (614) 292-3251
E-mail: twalker@mps.ohio-state.edu