

Curriculum Vitae

Joanne D Cohn

<http://astro.berkeley.edu/~jcohn>

Mailing Address:

Dept. of Astronomy

501 Campbell Hall

University of California at Berkeley

Berkeley, CA 94720-3411

fax (510) 642-3411

jcohn@berkeley.edu

Research Interests

Physical cosmology:

Galaxy clusters, mergers, galaxy evolution, mock catalogues, analytic models of structure formation, reionization, strong lensing

Positions held

- 2013-present Senior Space Fellow and Full Researcher, Space Sciences Lab., TAC member, UC Berkeley
- 2008-2013 Senior Fellow and Associate Researcher, Space Sciences Lab., TAC member, UC Berkeley
- 2002-2008 Senior Fellow and Assistant Researcher, Space Sciences Lab., TAC member, UC Berkeley
- 2002-2004 Lecturer, Dept. of Physics, UC Berkeley
- 2000-2001 Research Associate in the Harvard College Observatory
- 1999-2000 Associate of the Harvard College Observatory
- 1997-1999 Visiting Research Assistant Professor, Dept. of Astronomy and Dept. of Physics, University of Illinois at Urbana-Champaign
- 1996-1997 Bunting Fellow (Radcliffe College, Harvard University)
Visiting Researcher, Tufts Institute of Cosmology, MA
- 1993-1996 Postgraduate Research Physicist X, U of California, Berkeley
- 1991-93 Research Associate, Fermilab Particle Theory Group
- 1988-91 Member, Institute for Advanced Study, Princeton
Research Assistant, University of Chicago, with D. Friedan and S.H.

- 1984-88 Shenker
string theory
- 1983 Teaching Assistant, University of Chicago
- 1981,82 Summer Research Assistant with W.T. Ford and J.G. Smith,
University of Colorado, MAC ee detector at PEP(SLAC)
- 1980 Summer Research Assistant with D. Winn, Harvard University,
Harvard-Wisconsin-Purdue proton decay experiment-- construction

Education

- 1988 Ph.D., Physics, University of Chicago
Thesis advisors: D. Friedan and S.H. Shenker (superstring theory)
- 1984 M.S., Physics, University of Chicago
- 1983 A.B. summa cum laude, Physics, Harvard University

Fellowships, Grants and Awards

- 2013-2015 DOE Research grant
- 2012-2014 DOE Research grant
- 2008-2009 DOE Research grant
- 2007-2008 DOE Research grant
- 2002-2005 NSF EXC Research grant
- 2000 NSF POWRE Award
- 1997 NSF Career Advancement Award
- 1996 Bunting Fellow of Radcliffe College
- 1989,1990 Claire Booth Luce Fellow
- 1985,86,87 Zonta Amelia Earhart Fellowship
- 1983-86 University of Chicago McCormick Fellowship
- 1982 Junior Phi Beta Kappa
- 1981,1983 John Harvard Scholarship, Elizabeth Carey Agassiz Scholar (honorary)

Conference and School Presentations

- Advances in Theoretical Cosmology in Light of Data, NORDITA
- 2017 The Nonlinear Universe (BCCP workshop, Smartno)
KITP workshop on galaxy formation
- 2015 Computing the Universe 2015

- 2014 Santa Fe Workshop on LSST
- 2013 Kavli IPMU Workshop on Small Scale Structure, Tokyo
- 2012 Santa Fe Cosmology Workshop on Surveys and Simulations
ICTP Workshop on Large Scale Structure, Trieste
- Essential Cosmology for the Next Generation, Puerto Vallarta
- 2011 Dark Energy Survey Collaboration Meeting, Portsmouth
Santa Fe Cosmology School/Workshop
- Snowcluster galaxy cluster meeting, Snowbird, Utah
- 2010 NAOC workshop on Redshifts Surveys and Large Scale Structure, Beijing
Santa Fe Cosmology School/Workshop
ICTP Summer School in Cosmology, Trieste
- 2009 DES Cluster Workshop
Santa Fe Cosmology School
- 2008 IUCAA summer school and workshop on Cosmology, Pune
- 2007 Clusters of Galaxies as Cosmological Probes
Santa Fe Cosmology Workshop
- Cosmological Probes of Baryons and Dark Matter
Galaxy Evolution and Large Surveys (Aspen)
- 2006 Galileo Galilei Institute for Theoretical Physics (Florence) Astroparticle and
Cosmology Workshop
- Santa Fe Cosmology Workshop
- 2005 The Future of Cosmology with Galaxy Clusters, Kona
AAS January meeting
- 2002 Aspen Meeting on Large Scale Structure
- 2001 AAS January meeting
- 2000 ITP miniprogram on the CMB
- Santa Fe Workshop on Structure Formation
- 1999 Aspen Meeting on the Cosmological Constant
APS Division of Particle and Fields, UCLA
- COSMO-98, Monterey
Weighing the Universe with Galaxy Clusters, Aspen
- 1998 From Recombination to Garching, Aug 1998
CAPP, Cosmology and particle physics meeting, CERN, Jun 1998
Fermilab Missing Matter Meeting, May 1998
- COSMO-97, Ambleside UK
- 1997 Aspen Workshop on Precision measurements in cosmology
Boston Area Cosmology Meeting
Aspen Winter Cosmology Conference
- 1996 XXXIth Moriond Meeting (Microwave Background Anisotropies)
- 1993 Strings '93
- 1992 TASI Summer School, guest lecturer
- 1988 XVII Int. Conf. on Group Theor. Methods in Physics (Montreal)

1987 Cambridge Post-Newtonian String Workshop
Cargese Institute on Non-Perturbative Methods in Field Theory
Ecole Normale Summer Workshop

Students/Postdocs Advised or Mentored

Past: Kenji Kadota (thesis adviser, now at IBS, Korea)
Tzu-Ching Chang (postdoc, now at Taiwan)
Andrew Wetzel (student, now at Caltech)
Renske Smit (student, now at Leiden)
Reiko Nakajima (postdoc, now at Bonn)
Yookyung Noh (thesis adviser, now at Intel)
Han Aung (student, now at Yale)

Service, Other

2001-present organizer/host, Berkeley Cosmology Group seminar

2008-present Santa Fe Cosmology School/workshop co-organizer

2007 organizer, CCAPP workshop on AGN in the cosmological context
organizer, Aspen workshop on modelling galaxy clustering

2001-2008 Theoretical Astrophysics Center co-webmaster

2004,2005 organizer, LBNL summer cosmology workshops

2003-2005 organizer, Theoretical Astrophysics Center seminars

2003 organizer, Aspen workshop on cosmology and astrophysics with galaxy clusters

1999-2001 organizer, Theoretical Astrophysics group lunch seminar (CfA)

1999-2000 Director, NSF Chautauqua [course](#) on the cosmological constant
Harvard Astronomy Department web page upgrade (adding over 100 pages) and maintenance

1997-1999 guest lectures in Astronomy 250, 199, 396; Physics 480
introductory talks on various current areas of cosmology
cosmology in the news and related web pages

1996 Bunting Institute Public Lecture

1996-present jobs resources web site: Center for Particle Astrophysics, Berkeley

1995 organizer, reading group on superstrings and cosmology, Berkeley

1991-1993 organizer, particle theory group seminars, Fermilab

- 1992 organizer, summer reading group on black holes and information loss, MIT
- 1989-1991 [created and ran](#) e-mail string theory preprint distribution list (which grew to ~>180 people in several institutions and countries); automated by P. Ginsparg to begin xxx.lanl.gov (now arXiv.org) distribution system, summer of 1991
- 1984-1988 started and ran journal club for graduate students, U Chicago
- 1986 organizer, reading group on topology and geometry in field theory, U Chicago
- 1984 graduate student adviser on graduate student admissions, U Chicago