

Chanda Prescod-Weinstein

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Citizenship: U.S.A.

Current position

Graduate Student Researcher, Perimeter Institute for Theoretical Physics, Waterloo, Canada
Doctoral Student, advised by Professors Lee Smolin and Niayesh Afshordi, Department of Physics and Astronomy, University of Waterloo, Canada

Areas of specialization

theoretical cosmology.

Appointments held

- 2003-2006 Doctoral Student, University of California, Santa Cruz, U.S.A.
- 2003 Researcher, Smithsonian Astrophysical Observatory, Cambridge, U.S.A.
- 2002 Undergraduate Researcher, Department of Materials and Applied Science, Harvard University, Cambridge, U.S.A.
- 2001 Undergraduate Researcher, Department of Computational Neuroscience, University of Chicago, U.S.A.
- 2000-2002 Data Analyst, Smithsonian Astrophysical Observatory, Cambridge, U.S.A.
- 2000 Undergraduate Researcher, Department of Physics, University of Chicago, U.S.A.

Education

- 2010 PhD (expected) in Physics, University of Waterloo, Canada
- 2005 MSc in Astronomy and Astrophysics, advisor: Professor Anthony Aguirre, University of California, Santa Cruz, U.S.A.
- 2005 AB in Physics and Astronomy and Astrophysics, Thesis: *A Study of Winds in Active Galactic Nuclei*, advisor: Dr. Martin Elvis, Harvard College, Cambridge, U.S.A.

Grants, honors & awards

- 2007 Barbados House Canada Inc. Gordon C. Bynoe Scholarship Award
- 2004 National Science Foundation Graduate Research Fellow (2004-2007)
- 2003 National Science Foundation Graduate Research Fellow Honorable Mention
- 2003 Ford Predoctoral Fellowship Honorable Mention
- 2001 Harvard Foundation for Intercultural and Race Relations Award

Publications & talks

Refereed articles

- 2009 C. Prescod-Weinstein and L. Smolin (2009), Disordered Locality as an Explanation for the Dark Energy, *Phys. Rev. D* 80: 063505 [[arXiv:0905.3551v2 \[astro-ph.CO\]](#)]
- 2009 C. Prescod-Weinstein, N. Afshordi and M. Balogh (2009), Stellar Black Holes and the Origin of Cosmic Acceleration, *Phys. Rev. D* 80: 043513, [[arXiv:0903.5303v3 \[hep-th\]](#)]

Preprints

- 2009 S. DeDeo, C. Prescod-Weinstein (2009), Macroscopic Objects in Theories with Energy-dependent Speeds of Light, [arXiv:0811.1999v2 \[astro-ph\]](#)

In Preparation

- 2009 C. Prescod-Weinstein and N. Afshordi, Structure Formation as a Test of Dynamical Dark Energy

Presentations

- 2009 “Did Black Holes Cause Cosmic Acceleration?”, Interactions in the Dark Sector Workshop, Lorentz Centre, Leiden, Netherlands (April, 2009)
- 2009 “Did Black Holes Cause Cosmic Acceleration?”, Joint Annual Meeting of the National Society of Black Physicists and the National Society of Hispanic Physicists, Nashville, U.S.A. (February, 2009)
- 2008 “Doubly Special Relativity,” Joint Annual Meeting of the National Society of Black Physicists and the National Society of Hispanic Physicists, Washington, D.C., U.S.A. (February, 2008)

Teaching

- 2009 Research Mentor, *Do Black Holes Exist?*, International Summer School for Young Physicists, Perimeter Institute for Theoretical Physics, Waterloo, Canada
- 2009 Teaching Assistant, Physics 444, Elementary Particle Physics
- 2008 Teaching Assistant, Physics 701, Graduate Quantum Mechanics
- 2008 Teaching Assistant, Physics 441b, Advanced Electromagnetism II

- 2008 Research Mentor, *Do Black Holes Exist?*, International Summer School for Young Physicists, Perimeter Institute for Theoretical Physics, Waterloo, Canada
- 2007 Teaching Assistant, Physics 441a, Advanced Electromagnetism I
- 2005 Teaching Assistant, Earth Science 80G, Planetary Discovery
- 2004 Teaching Assistant, Astronomy 2, Overview of the Universe
- 2002-2003 Tutor, Harvard Physics Question Center

Service to the profession

- 2009 University of Waterloo Graduate Representative, Guelph-Waterloo Physics Institute Coordinating Committee
- Since 2008 Member, Executive Committee, National Society of Hispanic Physicists
- Since 2007 Chair, Cosmology, Classical and Quantum Gravity Group, National Society of Black Physicists
- Since 2005 Member, Conference Committee and Executive Committee, National Society of Black Physicists

References

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Professor Anthony Aguirre
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