

Shirley Ho

Department of Physics
Carnegie Mellon University
5000 Forbes Ave., Pittsburgh, PA 15217

Phone: +1 510 520 5869
shirleyh@andrew.cmu.edu
<http://terapix.phys.cmu.edu/Home.html>

A. PERSONAL DATA

POSITIONS & EDUCATION

Lawrence Berkeley National Laboratory Senior Scientist, Physics Division	2016-now
Carnegie Mellon University Associate Professor of Physics	2016-now
Carnegie Mellon University Cooper-Siegel Faculty Development Chair of Physics	2015-now
Carnegie Mellon University, Assistant Professor of Physics	2011- 2016
Lawrence Berkeley National Laboratory, Chamberlain and Seaborg Fellow	2008-2012
Princeton University, Department of Astrophysical Sciences Ph.D. in Astrophysical Sciences on <i>“Baryons, Universe and Everything Else in Between”</i> Advisor: David Spergel	2004-2008
University of California, Berkeley, Bachelor of Arts with Highest Honors in Physics and Computer Science	2000-2004

HIGHLIGHTS

- Recipient of the 2015 Emmy Noether Fellowship
- Recipient of the 2015 Carnegie Science Award
- Recipient of the 2014 Macronix Prize: The Outstanding Young Researcher Award by International Organization of Chinese Physicists and Astronomers.
- Sloan Digital Sky Survey III Press Release, “A One Percent Measure of the Universe”, Jan 2014
- American Astronomical Society Annual Meeting press release, “Celestial Soundings With the Sloan Digital Sky Survey”, Jan 2014
- Sloan Digital Sky Survey III Press Release, “The Sloan Guide to the Universe”, Jan 2012
- University of Tokyo RESCEU Professorship, 2012 [First female recipient]
- NASA Group Achievement Award (for contributions to Planck), 2011
- Total Number of Publications: 106 (108 reviewed publications including peer-reviewed conference proceedings) .
- Total Number of Citations: 16050 ; h-index: 41 ; i-10 index: 65

- Citation information from Google Scholar: <https://scholar.google.com/citations?user=fhOi--4AAAAJ&hl=en>
- Researcher ID: <http://www.researcherid.com/rid/P-3682-2014>
- ORCID: <http://orcid.org/0000-0002-1068-160X>

LEADERSHIP IN LARGE COLLABORATION

- **Co-Chair of Dark Energy Spectroscopic Instrument (DESI) Clustering Working Group (2014-),** CMU institutional representative in DESI. [DESI collaboration contains over 20 Universities, 20 foreign institutions and 5 national labs. I am co-chair of the scientific flagship of DESI \(the clustering working group which probes Dark Energy and Gravity\).](#)
- **Co-Chair of Large Synoptic Survey Telescope Cooperation (LSSTC) Science Collaboration and Large Synoptic Survey Telescope (LSST) Dark Energy Science Collaboration (DESC) Large Scale Structure Working Group (2012-2015).** [LSST collaboration is a collaboration formed by over 40 Universities, and multiple participating institutions from foreign countries \(such as Chile, France, Sweden\). LSST-DESC is the dark energy science collaboration within LSST.](#)
- **Co-Chair of Sloan Digital Sky Survey (SDSS) Lyman Alpha Forest (Intergalactic Medium) working group (2013-2015), SDSS 3 member (2008-).** [Sloan Digital Sky Survey is a survey supported by both NSF and DOE, with over 40 Universities, over 250 collaborators in the SDSS collaboration.](#)
- **Co-leader of the Photometric Clustering Work Package in Euclid's Galaxy Clustering Science Working Group.** Selected to be one of the 40 US scientists to represent US in NASA's effort in **Euclid** Satellite Mission (2013-). [Euclid is the next generation ESA space missions to probe Dark energy and the geometry of the Universe. The Euclid Consortium has over 2000 participants. NASA has selected a team of 40 scientists through competition to participate in this mission.](#)
- **Planck** Core Team Member (2009-2014)
- **Actacama Cosmology Telescope (ACT)** Team member (2006-2008)

EDUCATION

- Advisor to 20 undergrads, including 8 women; 7 PhD students, including 2 women; 9 postdocs, including 4 women, and 1 underrepresented minorities. (2012-now)
- Dedicates specific effort to maintain a **diverse population** in her group of ~ 8-10 students and postdocs which contains 50% from underrepresented groups in STEM fields.

OTHERS INFO OF NOTE:

- On average: ~19 invited talks per year since year 2015.