

Ying Zu

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Education

The Ohio State University, Columbus, Ohio

Ph.D. in Astrophysics

Advisor: David H. Weinberg

2008 – 2013

Shanghai Astronomical Observatory, China

Graduate Research Associate

Advisor: Yipeng Jing

2006 – 2008

Nanjing University with highest honours, China

B.S. in Astronomy

2001 – 2005

Research Interests

Theoretical Astrophysics and Cosmology with close ties to observations:

- Galaxy-Dark Matter Connection, Galaxy and Cluster Formation, Weak Lensing
- Theories of Cosmic Acceleration, Cosmology, Large-Scale Structure
- Quasar Variability, Reverberation Mapping, Machine Learning

Awards and Honors

Thousand Talented Youth Award (Chinese Government)

2016

Distinguished University Fellowship (OSU)

2008/2009, 2012/2013

National Science Fellowship of China (Ministry of Education, China)

2003, 2004, 2005

Scholarship for Excellence in Undergraduate Study (NJU)

2004, 2005

Top Freshman Award (0.01%)

2001

Positions

Assistant Professor (Shanghai Jiao Tong University, Shanghai, China)

Sep, 2017 –

CCAPP Fellow (Center for Cosmology and Astro-Particle Physics, USA)

Sep, 2016 – Sep, 2017

Postdoctoral Fellow (Carnegie Mellon University, Pittsburgh, USA)

Sep, 2013 – Sep, 2016

Invited • and Contributed ◦ Talks

◦ DESI Meeting, Lawrence Berkeley National Lab, US

June, 2017

• Mexican Astro-Cosmo-Statistics School, University of Guanajuato, Mexico

June, 2017

• Astronomy Colloquium, University of Pennsylvania, US

Mar, 2017

• Sino-Germany Workshop on Galaxy & Cosmology, Guangzhou, China

Dec, 2016

• PMO Colloquium, Purple Mountain Observatory, China

Dec, 2016

• KIAA Lunch Seminar, Kavli Institute of Astrophysics and Astronomy, Beijing, China

Nov, 2016

• SDSS Collaboration Meeting, University of Wisconsin, US

Jul, 2016

• HEAP Seminar, University of Utah, US

Mar, 2016

◦ Galaxy-Halo Snowbird Conference, Utah, US

Mar, 2016

• IPMU Colloquium, University of Tokyo, Japan

Feb, 2016

- Berkeley Cosmology Group Seminar, UC Berkeley, US *Dec, 2015*
- KIPAC Cosmology Seminar, Stanford, US *Nov, 2015*
- Unbiased Cosmology Workshop, Institute for Advanced Study, US *Sep, 2015*
- Galaxy Footsteps Workshop, Soverato, Italy *Sep, 2015*
- Astrophysics Colloquium, Shanghai Jiao Tong University, China *Apr, 2015*
- Galaxy Bias Workshop, Ohio State University, US *Nov, 2014*
- DESI Meeting, Lawrence Berkeley National Lab, US *May, 2014*
- SDSS Collaboration Meeting, Carnegie Mellon University, US *Dec, 2012*
- Small Scale Clustering Meeting, Stanford, US *Oct, 2012*
- INPA Seminar, Lawrence Berkeley National Lab, US *Oct, 2012*
- Chinese Academy of Sciences Colloquium, Shanghai Observatory, China *Aug, 2010*

Professional Activities and Outreach

- Reviewer for MNRAS, ApJ, A&A, JOAA, Austrian Science Fund (FWF)
- Organizer of CMU Astro-Coffee Discussions *Oct, 2013 – Sep, 2016*
- Co-organizer of LSST workshop on Machine Learning and Statistics, Pittsburgh, PA *Jun, 2015*
- Co-I for *HST* Cycle21 GO-13330 “Mapping the AGN Broad Line Region by Reverberation” *2013*
- Wrote and distributed software to simulate and analyze quasar light curves (JAVELIN)

Teaching Experience

- Graduate Teaching Assistant, OSU *2009 – 2012*
- Astronomy Tutor at Kunlun Elementary School, Nanjing, China *2004 – 2005*

Advising Experience

- Andres Salcedo (2nd year graduate student, OSU) *2016 – 2017*