

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, Blackhole Mass Measurement (Reverberation Mapping)

Awards and Honors

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

Positions

Postdoctoral Fellow (McWilliams Cosmology Center, Carnegie Mellon Univ.)

Sep, 2013 –

Invited • and Conference ◦ Talks

- Berkeley Cosmology Group Seminar, UC Berkeley *Dec, 2015*
- KIPAC Cosmology Seminar, Stanford *Nov, 2015*
- Unbiased Cosmology Workshop, Institute for Advanced Study *Sep, 2015*
- Galaxy Footsteps Workshop, Univ. of Birmingham *Sep, 2015*
- Center for Astronomy and Astrophysics Colloquium, Shanghai Jiaotong Univ. *Apr, 2015*
- Galaxy Bias Workshop, OSU *Nov, 2014*
- DESI Meeting, Lawrence Berkeley National Lab *May, 2014*
- SDSS Collaboration Meeting, Carnegie Mellon University *Dec, 2012*
- Small Scale Clustering Meeting, Stanford *Oct, 2012*
- INPA Seminar, Lawrence Berkeley National Lab *Oct, 2012*
- Chinese Academy of Sciences Colloquium, Shanghai Observatory *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 –*

- Media Coordinator of McWilliams Center (Youtube & Twitter Channels) *Oct, 2013 –*
- 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)

References

Prof. David H. Weinberg

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Prof. Christopher S. Kochanek

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Prof. Rachel Mandelbaum

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