

Ying Zu

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Education

The Ohio State University, Columbus, Ohio

Ph.D. in Astrophysics

Advisor: David H. Weinberg

2008 – present

Shanghai Astronomical Observatory, China

Graduate Research Associate

2006 – 2007

Nanjing University, China

B.S. in Astronomy

2001 – 2005

Research Interests

Theoretical astrophysics and cosmology with close tie to observations:

cluster cosmology, weak lensing, cluster galaxy kinematics

quasar variability, measuring masses of supermassive blackholes, galaxy formation

Awards and Honors

Distinguished University Fellowship (OSU)

2008/2009, 2011/2012

National Fellowship of China (Ministry of Education, China)

2003, 2004, 2005

People's Scholarship for Excellence in Undergraduate Study (NJU)

2004

Yung Yau Scholarship Award

2003

Murota International Scholarship

2002

Outstanding Freshman Award (NJU)

2001

Invited Talks

Berkeley Cosmology Group Seminar, UC Berkeley

Oct. 19 2012

Chinese Academy of Sciences Colloquium, SHAO

Aug. 30 2010

Publications

9. The Structure of the Broad Line Region in AGN: I. Reconstructed Velocity-Delay Maps

Grier et al. (incl. **Ying Zu**),

arXiv:1210.2397

8. Cosmological Constraints from the Large Scale Weak Lensing of SDSS MaxBCG Clusters 


Ying Zu, D.H. Weinberg et al.

arXiv:1207.3794

7. Reverberation Mapping Results for Five Seyfert 1 Galaxies

Grier et al. (incl. **Ying Zu**),

ApJ, 755, 60 (2012)

6. Is Quasar Variability a Damped Random Walk? 

Ying Zu, C.S. Kochanek, Szymon Kozłowski, & Andrzej Udalski

arXiv:1202.3783

5. Cosmological Constraints from Galaxy Clustering and the Mass-to-number Ratio
of Galaxy Clusters
Tinker et al. (incl. **Ying Zu**), *ApJ*, 745, 16 (2012)
4. A Reverberation Lag for the High-ionization Component of the Broad-line Region
in the Narrow-line Seyfert 1 Mrk 335
Grier et al. (incl. **Ying Zu**), *ApJ*, 744, L4 (2012)
3. New Approach to Reverberation Mapping
Ying Zu, C.S. Kochanek, & B.M. Peterson *ApJ*, 735, 80 (2011)
2. Intergalactic Dust Extinction in Hydrodynamic Cosmological Simulations
Ying Zu, D.H. Weinberg et al. *MNRAS*, 412, 1059 (2011)
1. Environmental Effects on Real-Space and Redshift-Space Galaxy Clustering
Ying Zu, Zheng Zheng, Guangtun Zhu & Y.P. Jing *ApJ*, 686, 41 (2008)

References

Prof. David H. Weinberg

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Prof. Christopher S. Kochanek

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Dr. Eduardo Rozo

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