Curriculum Vitae (Updated May 2017) Weichen Wang

Contact Information

Department of Physics and Astronomy
Johns Hopkins University
Baltimore, MD, United States, 21218

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Research Objectives

Astronomy and Astrophysics:
galaxy formation and evolution, dust content of galaxies

Education

Johns Hopkins University, MD, United States.
Department of Physics and Astronomy, August, 2016 -now
Graduate student

Tsinghua University, Beijing, China.
August, 2012 - July, 2016
B. Sc. in Physics (graduate with honors)
*T*hesis: Galaxy formation and evolution in CANDELS
Advisors: Shude Mao, Sandra Faber

Research Experience

Johns Hopkins University, MD, United States
Department of Physics and Astronomy *Graduate Student*
Current Research: (February 2017-now) Dust in galaxies at intermediate and high redshift.
Former Research: (September, 2016 - January 2017) Analysing the physical nature of bursty star formation, and multiple star formation indicators at high redshift. Aggregate photometric and spectroscopic measurements obtained by large extragalactic surveys conducted on the Hubble Space Telescope (CANDELS, 3D-HST). (Wang, Faber, et al. submitted to MNRAS)
- Advisor: Susan Kassin

University of California, Santa Cruz, CA, United States
Department of Astronomy *Visiting Student* **July - September, 2015**
Research Topic: Color gradients of star forming galaxies in HST· CANDELS project. Observational analysis of dust distribution and star formation in young galaxies observed by the Hubble Space Telescope(HST), and its implication on galaxy formation and evolution theories.
- Advisors: Sandra Faber, David Koo

Tsinghua University, Beijing, P.R. China
Tsinghua Center for Astrophysics *Undergraduate Researcher* **June, 2014 - July, 2016**
Research Topic: Effects of galaxy dark matter substructure in gravitational lensing systems. Simulation of strong lensing system and adoption of power spectrum analysis in galaxy substructure lensing.
- Advisor: Shude Mao

University of Melbourne, Vic, Australia
Melbourne Graduate School of Science *Visiting Student* **February, 2015**
Melbourne Science Camp on biological information and geological modeling.

Publication

W. Wang, S. M. Faber, F.S. Liu et al. MNRAS in press (2017) arXiv: 1705.05404.
F. S. Liu, D. Jiang, Y. Guo, D. C. Koo, et al., ApJ. 822, L25 (2016)

Teaching Experience	Teaching Assistant, General Physics I for Biological Science Majors (171.103) Johns Hopkins University, Fall 2016. Teaching Assistant, General Physics Laboratory (171.111) Johns Hopkins University, Fall 2016.
Scholarships and Awards	National Astronomical Observatory of China (NAOC) Scholarship, 2016. Scholarship of Tsinghua XueTang Talent Plan for Fundamental Science Study, 2014/2015.
Relevant Skills	• Programing: C++, Python, Matlab, IRAF, IDL. • Operating Systems: Unix/Linux
Outreach Activities	Volunteer teacher during the summer of 2013, at the Pengzhai Primary School of Yangmei County, Guizhou Province, one of the most undeveloped regions of China.
Observation Experience	On-site training using the ARC 3.5m telescope, Apache Point Observatory, NM, United States. *Nov 19 - 21th, 2016*