

CURRICULUM VITAE

Name: Siyao Xu

Present Address: Peking University, Beijing, 100871, P.R. China

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Education:

7/2011 B.Sc., Physics, Shandong University

9/2011-present Ph.D. research student, Peking University, Kavli Institute of Astronomy and Astrophysics
Supervisor: Prof. Bing Zhang

Areas of Research Interest:

MHD turbulence in partially ionized gas
Turbulent dynamo
Scattering effect of radio waves
Interstellar electron density structure
Cosmic ray propagation in MHD turbulence
Structure formation in molecular clouds

Awards and Scholarships:

2013 China Scholarship Council Scholarship

2012 Chen-Huxiong Scholarship, School of Physics, Peking U

2009 The National Scholarship

Extended Research Visits:

University of Wisconsin-Madison, Aug. 2013-Jun. 2014
(supervised by Prof. A. Lazarian)

Federal University of Rio Grande do Norte, Jun.-Jul. 2014

Ruhr-University Bochum, Aug.-Oct. 2015

Tokyo Institute of Technology, Jan. & Jul. 2016

Presentations:

Invited talks: Midwest Magnetic Fields Workshop, Madison, 2016
18th International Congress on Plasma Physics, Kaohsiung (ICPP-2016)

Contributed talks: National Astronomical Observatory of China, Beijing, 2012
APCTP Workshop on Astrophysics, Pohang, 2012
Midwest Magnetic Fields Workshop, Madison, 2014

Seminars: Turbulence: In the Sky as on the Earth, Natal, 2014
University of Sao Paulo, Aug. 2014
Ruhr-University Bochum, Sep. 2015
Chinese University of Hong Kong, Jun. 2015
Tokyo Institute of Technology, Jul. 2016

Posters: Magnetic Fields in the Universe V, Corsica, 2015
Heiles & Crutcher 2016 Conference, Madison

Publications:

Refereed:

1. **Xu S. Y.** & Lazarian A., 2016, submitted to ApJ
2. **Xu S. Y.** & Zhang B., 2016, submitted to ApJ
3. **Xu S. Y.** & Zhang B., 2016, ApJ, 824, 113
4. **Xu S. Y.**, Yan H.R. & Lazarian A., 2016, ApJ, in press
5. **Xu S. Y.**, Lazarian A. & Yan H.R., 2015, ApJ, 810, 44
6. **Xu S. Y.**, & Zhuo L., 2014, Research in Astronomy and Astrophysics, 14, 411
7. **Xu S. Y.**, & Yan H. R., 2013, ApJ, 779, 140
8. **Xu S. Y.**, Zhang H. W., & Liu X. W., 2013, Research in Astronomy and Astrophysics, 13, 313
9. López-Barquero, Vanessa, Farber, R., **Xu, S. Y.**, Desiati, P. & Lazarian, A., 2016, ApJ, accepted

Non-refereed:

10. Yan H. R. & **Xu S. Y.**, 2013, Proceedings of Astronom 2013, Biarritz, July, arxiv: 1311.6030

Other Activities:

Refereed for ApJ, 2016
Class Tutor in School of Physics, Peking U, 2011-2012