

Yaxue Dong — 10's

Education

- 08/2007 – 02/2014 Ph.D. in Physics GPA: 4.02

Department of Physics and Astronomy, Rice University

- 09/2003 – 07/2007 B.S. in Physics GPA: 3.7

Department of Modern Physics, University of Science and Technology of China (USTC)

Research

- 02/2014 – now, Rice University

Postdoctoral research: studying the magnetic consequences of the charged ice grains in the Enceladus plume

- 02/2008 – 02/2014, Rice University

Graduate research: analyzing data from Cassini's multiple instruments, modeling the water vapor and dust plumes of Enceladus

Publication

- Dong, Y., T. W. Hill, B. D. Teolis, B. A. Magee, and J. H. Waite, The water vapor plumes of Enceladus, *J. Geophys. Res.*, 116, A10204, doi:10.1029/2011JA016693, 2011.

Awards

- William and Elva Gordon Fellowship (Rice University, 2012)
- Henry F. and Margaret Dunlap Fellowship (Rice University, 2011)
- Outstanding Graduate Award (USTC, 2007)
- Outstanding Student Scholarship (USTC, 2005)

Conference Presentations

Talks

- A study of the charged ice grains in the Enceladus plume with a composite size distribution, American Geophysical Union (AGU) Fall Meeting, San Francisco, CA, Dec. 2013
- Densities and motion of charged nanograins in the Enceladus plume, AGU Fall Meeting, San Francisco, CA, Dec. 2011
- Neutral H₂O density in the Enceladus plume, AGU Fall Meeting, San Francisco, CA, Dec. 2009

Posters

- Charged ice grains in the Enceladus plume, AGU Fall Meeting, San Francisco, CA, Dec. 2012
- The water vapor plumes of Enceladus, Magnetospheres of Outer Planets (MOP) Conference, Boston, MA, Jul. 2011
- Neutral H₂O density and the jet features in the Enceladus plume, AGU Fall meeting, San Francisco, CA, Dec. 2010
- Neutral H₂O density in the Enceladus plume, MOP Conference, Cologne, Germany, Jul. 2009