

# Ngoc Nhung Thi Ho

## Curriculum Vitae

Astronomy Department  
Yale University  
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### Education

**Yale University** 2007-2013  
M.S., M.Phil., *Ph.D. in Astronomy*  
Thesis Title: *The Evolution of the M31 Dwarf Galaxies*  
Advisor: Marla Geha

**University of California, Berkeley** 2004-2006  
*B.A. in Astrophysics*

### Additional Research Experience

**Lawrence Berkeley National Laboratory** 2006-2007  
Undergraduate researcher with the Supernova Factory.  
*Developed an automatic light-curve fitting algorithm*  
Supervisor: Dr. Peter Nugent

### Research Interests

Dynamical evolution of dwarf spheroidal galaxies in the M31 system  
Chemical evolution and star formation history of Local Group dwarfs

### Publications

- Refereed Journals** [“Willman 1—A Probable Dwarf Galaxy with an Irregular Kinematic Distribution”](#)  
Willman, Beth, Geha, Marla, Strader, Jay, Strigari, Louis E., Simon, Joshua D., Kirby, Evan, **Ho, Nhung**, Warres, Alex 2011, AJ, 142, 128
- [“Stellar Kinematics of the Andromeda II Dwarf Spheroidal Galaxy”](#)  
**Ho, Nhung**, Geha, Marla, Munoz, Ricardo, Guhathakurta, Puragra, Kalirai, Jason, Gilbert, Karoline, Tollerud, Erik, Bullock, James, Majewski, Steve, Beaton, Rachael, 2012 ApJ, 758, 124
- Submitted** *“Metallicity Evolution of the Six Most Luminous M31 Dwarf Satellites”*  
**Ho, Nhung**; Geha, M.; Tollerud, E. J., Zinn, R., Guhathakurta, P., Vargas, L.

**In prep**      *“Evolution of Gas-rich Dwarf Galaxies: A Case Study of the Relationship Between Local Environment and Global Properties”*  
**Ho, Nhung**, Geha, M., Bezanson, R., West, A.A., Blanton, M.R.  
*“Stellar Kinematics of IC 10: A Local Group Starburst”*  
**Ho, Nhung**, Bordwell, B., Geha, M., Tollerud, E. J., Vargas L.  
*“Deep Photometric Survey of the Recently Discovered M31 Dwarfs: And XXVIII and And XXIX”*  
Slater, C., Bell, E., Martin, N., Tollerud, E. J., **Ho, Nhung**

## Professional Activities

**Conferences** Frontiers in Star Formation, New Haven, CT, October 2012  
Tri-State Astronomy Meeting, CUNY, NY, October 2011 (poster)  
First Light and Faintest Dwarfs: Extreme Probes of the CDM Paradigm, KITP, February 2012  
Dynamics of Low-Mass Stellar Systems: ESO-Santiago, April 2011 (poster)  
*[“Stellar Kinematics of the And II dSph: Discovery of a Rotating dSph”](#)*  
Construction and Evolution of the Galaxy, Princeton, NJ, February 2009  
American Astronomical Society, AAS Meeting 213, January 2009 (poster)  
*[“VLA Observations of Gas-rich Dwarf Galaxies”](#)*  
Tri-State Astronomy Meeting, CUNY, NY, October 2008

**Talks**      *“Dwarf Galaxy Evolution: Reconciling Observations with Simulations”*  
Astronomy lunch talk (ITP, UZH, July 2010)  
*“Possible Origins of the Minor-Axis Rotation of And II”*  
DEEP Group Meeting (UCSC, November 2010)

## Additional Experience

**Observing**    Arecibo - 4 nights  
Keck - DEIMOS: 8 nights  
WIYN - HYDRA: 7 nights

**Computing**    Languages, expert: IDL  
Languages, proficient: Fortran, C++, R, Python  
Packages: IRAF, DAOPHOT, CASA, AIPS, MIRIAD

## Honors and Awards

NASA CT Space Grant Graduate Fellowship (2011-2012)  
Boris Garfinkel Award for Departmental Service (2009)

## Teaching Experience

Teaching Assistance, Astronomy 110: Planets and Stars: Fall 2013  
Teaching Assistant, Astronomy 120: Galaxies and the Universe: Spring 2013  
Teaching Assistant, Astronomy 160: Frontiers in Astrophysics: Fall 2009  
Teaching Assistant, Astronomy 110: Planets and Stars: Fall 2008  
Teaching Assistant, Astronomy 120: Galaxies and the Universe: Spring 2008  
Teaching Assistant, Astronomy 220: Galaxies and Cosmology: Fall 2007

## Outreach and Mentoring

**Outreach** Planetarium volunteer, Leitner Family Observatory: Fall 2009–Fall 2012  
Public Observing, Leitner Family Observatory: Fall 2007–Fall 2012  
Planetarium outreach for local schools, Leitner Family Observatory: 2009

**Mentoring** Liang Yu, Yale Astronomy Undergraduate: April–October 2012  
Luis Vargas, Yale Astronomy Graduate student: 2009–present  
Ana Bonaca, Yale Astronomy Graduate student: 2010–present  
Allison Merritt, Yale Astronomy Graduate student: 2011–present  
Sarah Benjamin, Yale Astronomy Graduate student: 2012–present  
Baylee Bordwell, U.C. Berkeley Astrophysics Undergraduate: May 2013– present