

CURRICULUM VITAE – MEI-YIN CHOU

PERSONAL DETAILS

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DEGREES

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| May 2005 | M.S. in Astronomy, University of Virginia, VA
<i>Chemical Fingerprinting the Milky Way's Accretion Past –
The Galactic Anticenter and Sagittarius Streams</i>
Advisor: Prof. Steven Majewski |
| June 2001 | M.S. in Astronomy, National Central University, Taiwan
<i>Spiral Density Waves in a Gas Disk of Rigid-body Rotation</i>
Advisor: Prof. Chi Yuan |
| June 1999 | B.S. in Mathematics, National Taiwan University, Taiwan |
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RESEARCH EXPERIENCE

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| 2004– | Research Assistant in the Department of Astronomy, University of Virginia
Advisor: Prof. Steven Majewski |
| 2001–2003 | Research Assistant in the Institute of Astronomy and Astrophysics, Academia Sinica, Taiwan
Advisor: Dr. Hsien Shang |
| 1998–1999 | Educational program of the National Science Council for undergraduate student, Taiwan
Program title: The Spirals in the Gas-dust Disk of Spiral Galaxy NGC 2207
Advisor: Prof. Chi Yuan |
| 1998 | Summer student in the Institute of Astronomy and Astrophysics, Academia Sinica, Taiwan |

TEACHING EXPERIENCES

- 2008 (Fall) Teaching Assistant for Astronomy 121/124 (The Sky & Solar System/Stars, Galaxies & the Universe), University of Virginia
- 2007 (Fall) Head Teaching Assistant for Astronomy 130 (Introduction to Astronomical Observation), University of Virginia
- 2003 (Fall)-2005 (Spring) Teaching Assistant for Astronomy 121/124/130, University of Virginia
- 2000 (Fall) Teaching Assistant for "Galactic Astrophysics", Graduate Institute of Astronomy, National Central University, Taiwan

GRANTS AND AWARDS

- 2008 Travel Award for Academic Conference, Taiwan Ministry of Education
- 2008 Robert J. Huskey Travel Award, University of Virginia
- 2008 Travel Reimbursement for Graduate Recruitment, University of Virginia
- 2007-2008 BP America Fellowship, Astronomy Department, University of Virginia
- 2007 International Travel Grant, American Astronomical Society
- 2005-2006 Hamilton Graduate Fellowship, School of Arts & Sciences, University of Virginia

OBSERVING EXPERIENCES

- 5 nights: ARC 3.5-m telescope Echelle spectroscopy
- 8 nights: KPNO 4-m telescope Echelle spectroscopy
- 9 nights: Gemini South 8-m telescope Phoenix spectroscopy
- 2.5 nights: Keck 10-m telescope HIRES spectroscopy

FIRST AUTHOR REFEREED PUBLICATIONS

- **Chou, M.-Y.**, Majewski, S. R., Cunha, K., Smith, V. V., Patterson, R. J., Martínez-Delgado, D., Law, D. R., Crane, J. D., Muñoz, R. R., López, R. G., Geisler, D., & Skrutskie, M. F. "A 2MASS All-Sky View of the Sagittarius Dwarf Galaxy: V. Variation of the Metallicity Distribution Function Along the Sagittarius Stream," 2007, ApJ, 670, 346

CO-AUTHOR REFEREED PUBLICATIONS

- Shang, H., Allen, A., Li, Z.-Y., Liu, C. F., **Chou, M.-Y.**, & Anderson, J. "A Unified Model for Bipolar Outflows from Young Stars," 2006, ApJ, 649, 845
- Muñoz, R. R., Frinchaboy, P. M., Majewski, S. R., Kuhn, J. R., **Chou, M.-Y.**, Palma, C., Sohn, S., Patterson, R. J. & Siegel, M. H, "Exploring Halo Substructure with Giant Stars: The Velocity Dispersion Profiles of the Ursa Minor and Draco Dwarf Spheroidals At Large Angular Separations," 2005, ApJ, 631, L137

PUBLIC PRESENTATIONS

- Contributed talk: "Chemical Abundances Along the Sagittarius Stream," Chemical Evolution of Dwarf Galaxies and Stellar Clusters Conference, Germany, July 23, 2008
- Contributed talk: "Metallicity Gradient and Chemical Fingerprinting of the Milky Way's Halo Streams," UVa Astronomy Symposium, University of Virginia, January 25, 2008
- Contributed talk: "Metallicity Gradient and Chemical Fingerprinting of the Milky Way's Halo Streams," UVa Astronomy Symposium, University of Virginia, February 2, 2007

CONFERENCE PROCEEDINGS

- **Chou, M.-Y.**, Majewski, S. R., Cunha, K., Smith, V. V., Patterson, R. J., & Martínez-Delgado, D. "Metallicity Gradient and Chemical Fingerprinting of the Milky Way's Halo Streams," 2007, in "The Milky Way Halo - Stars and Gas", K.S. de Boer & P. Kroupa (eds.), p.21
- **Chou, M.-Y.**, Majewski, S. R., Cunha, K., Smith, V. V., Patterson, R. J., Crane, J. D., & Martínez-Delgado, D. "Chemical Fingerprinting the Milky Way's Accretion Past," 2006, American Astronomical Society Meeting 207, Vol. 37, p.1384
- Shang, H., Allen, A., Liu, J., Li, Z.-Y., **Chou, M.-Y.**, & Anderson, J. "A Unified Model for Bipolar Outflows from Young Stars," 2006, American Astronomical Society Meeting 207, Vol. 37, p.1423
- Allen, A., **Chou, M.-Y.**, & Shang, H. "MHD Benchmarking of Desktop Machines," 2002, IAU 8th Asian-Pacific Regional Meeting Proceedings Volume II, 123-124