

YAO-LUN YANG

PhD Candidate

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RESEARCH INTERESTS	Early Stage Star Formation, Outflows and Jets, Interstellar Medium, Atomic and Molecular Spectroscopy, and Infrared & Radio Astronomy	
EDUCATION	2019 Ph.D. Astronomy (expected) The University of Texas at Austin, U.S.A. Advisor: Professor Neal J. Evans II Thesis: <i>The Structure of Class 0 Protostars</i> 2016 M.A. Astronomy The University of Texas at Austin, U.S.A. Advisor: Professor Neal J. Evans II Thesis: <i>The Class 0 Protostar BHR71: Herschel Observations and Dust Continuum Models</i> 2012 B.S. Physics National Taiwan University, Taiwan Advisor: Dr. Ciska Kemper (ASIAA) Project: <i>Molecular Hydrogen in Diffuse Interstellar Medium of the Large Magellanic Cloud</i>	
AWARDS	University Graduate Continuing Fellowship (\$40000), UT-Austin Fred T. Goetting, Jr. Memorial Endowed Presidential Fellowship (\$10000), UT-Austin Summer Internship (\$14120), STScI Outstanding Thesis Award (\$1000), UT-Austin Summer Student Fellowship (\$1300), ASIAA College Student Research Training Fellowship (\$1500), National Science Council, Taiwan	
PUBLICATIONS	<ol style="list-style-type: none">[1] Yang, Y.-L., Evans, N. J. II, Green, J. D. et al. 2017, “The Class 0 Protostar BHR71: <i>Herschel</i> Observations and Dust Continuum Models”, <i>ApJ</i>, 835, 259[2] Green, J. D. Jones, O. C.; Keller, L. D. et al. 2016, “The Mid-infrared Evolution of the FU Orionis Disk”, <i>ApJ</i>, 832, 4[3] Green, J. D., Yang, Y.-L. et al. 2016, “The CDF Archive: Herschel PACS and SPIRE Spectroscopic Data Pipeline and Products for Protostars and Young Stellar Objects”, <i>AJ</i>, 151, 75[4] Yang, Y. L., Evans, N. J. II, Green, J., “The Structure of Class 0 Protostars: BHR71 in Herschel View”, <i>Proceedings of the Frank N. Bash Symposium 2015</i>[5] Larson, R. L., Evans, N. J., Green, J. D., Yang, Y.-L. 2015, “Evidence for	

Decay of Turbulence by MHD Shocks in the ISM via CO Emission”, ApJ, 806, 70

- [6] Naslim, N., Kemper, F., Madden, S. C. **et al.** 2015, “Molecular Hydrogen Emission in the Interstellar Medium of the Large Magellanic Cloud”, MNRAS, 446, 2490-2504

OBSERVING
PROPOSALS

ALMA, cycle 4, 1 hr (as PI)
SOFIA/GREAT, cycle 4, 5.3 hrs (as Co-PI, \$56 000 awarded)
SOFIA/FORCAST, cycle 4, 3 hrs (as Co-I, \$33 000 awarded)
IRTF/TEXAS, 2016, 2 night (as Co-I & on-site observer)
IRTF/TEXES, 2015, 1 night (as Co-I & on-site observer)
IRTF/TEXES, 2014, 1 night (as Co-I & on-site observer)

CONTRIBUTED
TALKS

2017 Asia-Pacific Regional IAU Meeting, Taipei, Taiwan 2017
72nd International Symposium on Molecular Spectroscopy, Champaign-Urbana, IL 2017
230th AAS Meeting, Austin, TX 2017
SPF Seminar, MPIA 2016
SPF Seminar, ESO-Garching 2016
Astrochem Seminar, Leiden 2016
Star Formation 2016, Splinter session, Exeter 2016
AstroCoffee Talk, IfA 2015
Subaru Seminar, Subaru Telescope 2015
Lunch Talk, ASIAA 2015
Lunch Talk, NRAO/UVa 2015
Workshop on Dense Cores, Monterey, CA 2014
ISM/Planets seminar, UT-Austin, 4 Talks 2013–2016

PUBLIC
OUTREACH

- Organizer, Astronomy on Tap ATX, Austin, TX, 2016-
- Talk, “Will They Call Me on My Cell Phone: How the Drake Equation Estimates the Odds of Finding ET”, Astronomy on Tap ATX, Oct. 2016
- Talk, “*Astronomical Observations*”, Astronomy Student Association, The University of Texas at Austin, Mar. 2015
- Talk, “*How to Make A Star*”, Monthly Star Party, Westcave Preserve, Jan. 2015
- Talk, “*From Cold Gas to Hot Stars*”, Astronomy Student Association, The University of Texas at Austin, Mar. 2014