

# YAO-LUN YANG

PhD Candidate

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CONTACT INFORMATION	Department of Astronomy 2515 Speedway, Stop C1400 Austin, Texas 78712-1205	Phone: +1 512 5749925 <a href="mailto:yaolun@astro.as.utexas.edu">yaolun@astro.as.utexas.edu</a> <a href="https://yaolun.github.io/">https://yaolun.github.io/</a>
RESEARCH INTERESTS	Early Stage Star Formation, Outflows and Jets, Interstellar Medium, Atomic and Molecular Spectroscopy, and Infrared & Radio Astronomy	
EDUCATION	<b>2019 Ph.D. Astronomy</b> (expected) The University of Texas at Austin, U.S.A.  Advisor: <a href="#">Professor Neal J. Evans II</a> Thesis: <i>The Structure of Class 0 Protostars</i> <b>2016 M.A. Astronomy</b> The University of Texas at Austin, U.S.A.  Advisor: <a href="#">Professor Neal J. Evans II</a> Thesis: <i>The Class 0 Protostar BHR71: Herschel Observations and Dust Continuum Models</i> <b>2012 B.S. Physics</b> National Taiwan University, Taiwan  Advisor: <a href="#">Dr. Ciska Kemper (ASIAA)</a> 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"><li>[1] <b>Yang, Y.-L.</b>, 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>, accepted</li><li>[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</li><li>[3] Green, J. D., <b>Yang, Y.-L.</b> 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</li><li>[4] <b>Yang, Y. L.</b>, 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></li><li>[5] Larson, R. L., Evans, N. J., Green, J. D., <b>Yang, Y.-L.</b> 2015, “Evidence for</li></ol>	

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