

# 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>2018 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	Summer Internship (\$14 120), STScI Outstanding Thesis Award (\$1000), UT-Austin Summer Student Fellowship (\$1300), ASIAA College Student Research Training Fellowship (\$1500), National Science Council, Taiwan	
PUBLICATIONS	<ul style="list-style-type: none"><li>[1] 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>[2] Larson, R. L., Evans, N. J., Green, J. D., <b>Yang, Y.-L.</b> 2015, “Evidence for Decay of Turbulence by MHD Shocks in the ISM via CO Emission”, <i>ApJ</i>, 806, 70</li><li>[3] Naslim, N., Kemper, F., Madden, S. C. <b>et al.</b> 2015, “Molecular Hydrogen Emission in the Interstellar Medium of the Large Magellanic Cloud”, <i>MNRAS</i>, 446, 2490-2504</li></ul>	
OBSERVING PROPOSALS	<b>ALMA</b> , cycle 4, 1 hr (as PI) <b>SOFIA/GREAT</b> , cycle 4, 5.3 hrs (as Co-PI, \$56 000 awarded) <b>SOFIA/FORCAST</b> , cycle 4, 3 hrs (as Co-I, \$33 000 awarded) <b>IRTF/TEXES</b> , 2015, 1 night (as Co-I & on-site observer) <b>IRTF/TEXES</b> , 2014, 1 night (as Co-I & on-site observer)	

CONTRIBUTED TALKS	<b>AstroCoffee Talk</b> , IfA	2015
	<b>Subaru Seminar</b> , Subaru Telescope	2015
	<b>Lunch Talk</b> , ASIAA	2015
	<b>Lunch Talk</b> , NRAO/UVa	2015
	<b>Workshop on Dense Cores</b> , Monterey	2014
	<b>ISM/Planets seminar</b> , UT-Austin, 4 Talks	2013–2016
PUBLIC OUTREACH	<ul style="list-style-type: none"> <li>• Organizer, Astronomy on Tap ATX, Austin, TX, 2016-</li> </ul>	
	<ul style="list-style-type: none"> <li>• Talk, “<i>Astronomical Observations</i>”, Astronomy Student Association, The University of Texas at Austin, Mar. 2015</li> </ul>	
	<ul style="list-style-type: none"> <li>• Talk, “<i>How to Make A Star</i>”, Monthly Star Party, Westcave Preserve, Jan. 2015</li> </ul>	
	<ul style="list-style-type: none"> <li>• Talk, “<i>From Cold Gas to Hot Stars</i>”, Astronomy Student Association, The University of Texas at Austin, Mar. 2014</li> </ul>	