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- Research**
- Postdoctoral Fellow, CEA-Saclay, France 2014-
Advisor: Dr. Emeric Le Floch
 - Postdoctoral Fellow, Max Planck Institute for Astronomy, Germany 2014
Advisors: Prof. Dr. Hans-Walter Rix and Dr. Arjen van der Wel
- Education**
- **Ph.D.: Astronomy** 2013
International Max Planck Research School for Astronomy and
Cosmic Physics at the University of Heidelberg, Germany
Thesis: *Galaxy Shapes through Cosmic Time*
–*Intrinsic Structure of Early-type Galaxies at High Redshift*
Supervisors: Prof. Dr. Hans-Walter Rix and Dr. Arjen van der Wel
 - **M.S.: Physics** 2010
National Taiwan University, Taiwan
Thesis: *The Correlation between Global Parameters of Galaxies and*
its Implications on the Role of Dark Matter in Structure Formation
Supervisors: Prof. Dr. Pisin Chen and Dr. Wei-Hao Wang
 - **M.S.: Radio Astronomy and Space Science** 2009
Chalmers University of Technology, Sweden
Thesis: *The Influence of Large-Scale Filaments on Cluster*
SZE Observations and on some Cosmological Parameters
Supervisor: Dr. Patrick Koch / Examiner: Prof. Dr. Cathy Horellou
 - **B.S.: Communication Engineering** 2007
National Chiao-Tung University, Taiwan
Thesis: *STBC MIMO-OFDM system*
Supervisor: Prof. Dr. Ta-Sung Lee

Publication

Peer-review Papers

- **Yu-Yen Chang**, Arjen van der Wel, Elisabete da Cunha, Hans-Walter Rix, *Stellar Masses and Star Formation Rates for 1M Galaxies from SDSS and WISE*, **ApJS**, **219**, **8**, 2015.
- A. van der Wel, **Yu-Yen Chang**, et al., *Geometry of Star-Forming Galaxies from SDSS, 3D-HST and CANDELS*, **ApJL**, **792**, **6**, 2014b.
- A. van der Wel, M. Franx, P.G. van Dokkum, R.E. Skelton, I.G. Momcheva, K.E. Whitaker, G.B. Brammer, E.F. Bell, H.-W. Rix, S. Wuyts, H.C. Ferguson, B.P. Holden, G. Barro, A.M. Koekemoer, **Yu-Yen Chang**, et al., *3D-HST+CANDELS: The Evolution of the Galaxy Size-Mass Distribution since $z = 3$* , **ApJ**, **788**, **28** 2014a.

- C. Villforth, F. Hamann, D. J. Rosario, P. Santini, E. J. McGrath, A. van der Wel, **Yu-Yen Chang**, et al., *Morphologies of $z \sim 0.7$ AGN Host Galaxies in CANDELS: No trend of merger incidence with AGN luminosity*, **MNRAS**, **439**, **3342**, 2014.
- **Yu-Yen Chang**, Arjen van der Wel, Hans-Walter Rix, Bradford Holden, Eric Bell, Elizabeth J. McGrath, Stijn Wuyts, Boris Haussler, Marco Barden, S. M. Faber, Mark Mozena, Henry C. Ferguson, Yicheng Guo, Audrey Galametz, Norman A. Grogin, Dale D. Kocevski, Anton M. Koekemoer, Avishai Dekel, Kuang-Han Huang, Nimish P. Hathi, Jennifer Donley, *Structural Evolution of Early-type Galaxies to $z=2.5$ in CANDELS*, **ApJ**, **773**, **149**, 2013b.
- **Yu-Yen Chang**, Arjen van der Wel, Hans-Walter Rix, Stijn Wuyts, Stefano Zibetti, Balasubramanian Ramkumar, and Bradford Holden, *Shape Evolution of Massive Early-Type Galaxies: Confirmation of Increased Disk Prevalence at $z > 1$* , **ApJ**, **762**, **83**, 2013a.
- Stijn Wuyts, Natascha M. Förster Schreiber, Erica J. Nelson, Pieter G. van Dokkum, Gabe Brammer, **Yu-Yen Chang**, et al., *A CANDELS - 3D-HST Synergy: Resolved Star Formation Pattern at $0.7 < z < 1.5$* , **ApJ**, **779**, **135**, 2013.
- Yu-Wei Liao, Kai-Yang Lin, Yau-De Huang, Jiun-Huei Protty Wu, Paul T. P. Ho, Ming-Tang Chen, Chih-Wei Locutus Huang, Patrick M. Koch, Hiroaki Nishioka, Tai-An Cheng, Szu-Yuan Fu, Guo-Chin Liu, Sandor M. Molnar, Keiichi Umetsu, Fu-Cheng Wang, **Yu-Yen Chang**, et al., *Platform Deformation Phase Correction for the AMiBA-13 Co-planar Interferometer*, **ApJ**, **769**, **71**, 2013.
- A. van der Wel, E. F. Bell, B. Häussler, E. J. McGrath, **Yu-Yen Chang**, et al., *Structural Parameters of Galaxies in CANDELS*, **ApJS**, **203**, **24**, 2012.
- **Yu-Yen Chang**, Rickon Chao, Wei-Hao Wang, and Pisin Chen, *A Principle Component Analysis of Galaxy Properties from a Large, Gas-Selected Sample*, **Advances in Astronomy**, **2012**, **208901**, 2012.

Conference Proceedings

- **Yu-Yen Chang**, Arjen van der Wel, Hans-Walter Rix, Stefano Zibetti, Balasubramanian Ramkumar, and Bradford Holden, *Shaping Galaxies: Internal Structure of the $z \sim 2$ Galaxy population*, ASP Conference Proceedings, 477, 199, 2013.
- Patrick Koch, Michael Kesteven, **Yu-Yen Chang**, et al., *Platform deformation refined pointing and phase correction for the AMiBA hexapod telescope*, Proc. SPIE 7018, Advanced Optical and Mechanical Technologies in Telescopes and Instrumentation, 70181L, 2008.

Summer Project

- Summer Student Program 2007
Academia Sinica Institute of Astronomy and Astrophysics, Taiwan
Title: *Platform Deformation Induced Phase Correction*
Supervisor: Dr. Patrick Koch

Teaching Experiences	• Tutor on ‘ <i>FP 36: Wave-front analysis with a Shack-Hartmann sensor</i> ’ Heidelberg University	Nov2011-Feb2012
	• Teaching Assistant on ‘ <i>Statistical Physics</i> ’ National Taiwan University	Feb2010-Jun2010
Awards	• International Max Planck Research School Fellow	2010-2013
	• NCTU Exchange Student Award and Scholarship	2006
	• NCTU Academic Achievement Award	2004-2006
Technical Skills	• Computer operating systems: MacOS, Linux, Windows • Programming languages: IDL, Matlab, Mathematica, C • Astronomical tools: MAGPHYS. Le PHARE. GALFIT. SExtractor. GALAPAGOS	
Talks	• NTHU Seminar, Hsinchu, Taiwan Title: <i>Infrared AGNs in Galaxy Evolution</i>	Jan2016
	• NCU Seminar, Zhongli, Taiwan Title: <i>What is the role of obscured AGNs in galaxy evolution?</i>	Jan2016
	• LAM CafeClub, Marseille, France Title: <i>AGN, Star Formation and Galaxy Morphology</i>	Oct2015
	• <i>Demographics and environment of AGN from multi-wavelength surveys</i> , Chania, Greece Title: <i>AGN, Star Formation and Galaxy Morphology</i>	Sep2015
	• ASIAA Lunch Talk, Taipei, Taiwan Title: <i>AGN, Star Formation and Galaxy Morphology</i>	Aug2015
	• COSMOS 2015 Team Meeting, Helsinki, Finland Title: <i>The Connection between AGN, Star Formation and Galaxy Morphology</i>	Jun2015
	• CEA Postdoc Seminar, Saclay, France Title: <i>The Connection between AGN, Star Formation and Galaxy Morphology</i>	Jun2015
	• CEA Star-formation Lunch, Saclay, France Title: <i>Stellar Masses and Star Formation Rates for 1M Galaxies from SDSS and WISE</i>	Oct2014
	• ASIAA Special Seminar, Taipei, Taiwan Title: <i>Stellar Masses and Star Formation Rates for 1M Galaxies from SDSS and WISE</i>	Sep2014
	• 3D-HST meeting, Heidelberg, Germany Title: <i>Stellar Masses and SFRs from SDSS+WISE</i>	May2014
	• CEA talk, Saclay, France Title: <i>Structural Evolution of Early-type Galaxies to $z=2.5$</i>	Mar2014
	• MPIA GC Retreat, Lobbach, Germany Title: <i>Structural Evolution of Early-type Galaxies</i>	Oct2013

- ASIAA Lunch Talk, Taipei, Taiwan Feb2013
 Title: *How did the Largest Ellipticals Form?*
 – *Structural Evolution of Galaxies in CANDELS*
 - MPIA Galaxy Coffee, Heidelberg, Germany Jan2013
 Title: *How did the Largest Ellipticals Form?*
 - ELIXIR Final Team Meeting, Leiden, The Netherlands Nov2012
 Title: *The Intrinsic Shapes of High-Redshift Galaxies*
 - CANDELS Team Meeting, Santa Cruz, USA Sep2012
 Title: *Internal Structure of Passive Galaxies at $z \sim 2$*
 - IMPRS Retreat, Kyllberg, Germany Mar2012
 Title: *The Intrinsic Shapes of High-Redshift Galaxies*
 - *Galaxy Mergers in an Evolving Universe*, Hualian, Taiwan Oct2011
 Title: *Shaping Galaxies: Internal Structure of the $z \sim 2$ Galaxy Population*
 - MPIA GC Retreat, Schloss Engers, Germany Oct2011
 Title: *The Shapes of $z \sim 2$ Galaxies*
 - ELIXIR Team Meeting, Madrid, Spain Oct2011
 Title: *Internal Structure of the $z \sim 2$ Galaxy Population*
 - IMPRS Semenar, Heidelberg, Germany May2011
 Title: *The Intrinsic Shapes of High-Redshift Galaxies*
 - ASROC 2010 Annual Meeting, Taipei, Taiwan May2010
 Title: *The Correlation between Global Parameters of Galaxies*
 - LeCosPA Tea Time, Taipei, Taiwan May2010
 Title: *The Correlation between Global Parameters of Galaxies and the Hierarchical Structure Formation*
 - ASIAA Student Meeting, Taipei, Taiwan Jun2009
 Title: *The Influence of Large Scale Filaments on Cluster SZE Observations*
- Posters**
- AAS 223rd meeting Jan2014
 Title: *Structural Evolution of Early-type Galaxies to $z=2.5$ in CANDELS*
 - HGSFP Winter School Jan2012
 Title: *Internal Structure of the $z \sim 2$ Galaxy Population*
 - PSROC 2010 Annual Meeting Feb2010
 Title: *The Correlations between Global Parameters of Galaxies*
 - ASIAA Panel meeting Mar2010
 Title: *The Correlations between Global Parameters of Galaxies*
 - ASIAA Panel meeting Apr2009
 Title: *The Influence of Large-Scale Filaments on Cluster SZE Observations and on Hubble Constant*