

湯士昀
Shih-Yun Tang

National Central University, Taiwan
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Nationality - Taiwan

Education - National Central University, Taiwan — M.S., Physics (GPA 3.88/4.0)

Current

- Advisor: Prof. Wen-Ping Chen
- Thesis: *Characterization of Stellar and Substellar Members in the Coma Berenices Star Cluster*

- National Central University, Taiwan — B.A., Physics (GPA 3.80/4.0) June 2016

- Advisor: Prof. Wen-Ping Chen
- Thesis: *Characterization of the Low-Mass stars in the Coma Berenices Star Cluster*

Research Interest - Stellar population identification for star clusters and moving groups
➡ Searching/Characterizing brown dwarfs and exoplanet

- Atmosphere of brown dwarfs and planetary objects
- Milky Way dynamics
- Gyro-chronology on determining stellar ages

Internship - **MPIA**, Germany (2018.7–2018.9)

- Advisor: Dr. Bertrand Goldman & Dr. Chien-Cheng Lin
- Topic: *Multi-dimensional parameterization of members in nearby star clusters: Gaia DR2 and photometric distancing*

- **The Chinese University of Hong Kong** (2016.6–2016.8)

- Advisor: Prof. Li, Hua-bai
- Topic: *Optical performance testing of the ASTE polarimeter for the ASTE telescope*

Teaching Experience - Teaching assistance: General physics experiment (2017.9–2019.2)

Conference/WorkShop - ESO Workshop: A revolution in stellar physics with Gaia and large surveys (2018.9 @Warsaw, Poland) — **Poster**

- Topic: *Multi-dimensional Parameterization of Members in Nearby Star Clusters: Gaia DR2 and Photometric Distancing*

- Star Cluster Workshop (2018.7 @Xinjiang, China) — **Talk**

- Topic: *Characterization of Stellar and Substellar Members in the Coma Berenices Star Cluster*

- 2018 ASROC annual meeting — **Talk**

Special Experience - One year exchange student at Niigata University, Japan (2016.9–2017.8)

Awards/Scholarship - 2018 The Physics Society of Taiwan, Undergraduate Excellent Thesis Award
- 2018 Scholarship for Outstanding Student
- 2018 Fellowship of MPIA summer internship
- 2018 Taiwan Physics Society Annual Meeting Poster Award
- 2017 The ICT Solution Provider scholarship
- 2016 Fellowship for Exchange Student
- 2016 Astronomy Society R.O.C. Annual Meeting Poster Award

- Publications**
- **Tang, Shih-Yun**; Chen, W. P.; Chiang, P. S. et al., *Characterization of Stellar and Substellar Members in the Coma Berenices Star Cluster*, [The Astrophysical Journal](#), Volume 862, Issue 2, article id. 106, 28 pp. (2018) ([ADS link](#)).
 - **Tang, Shih-Yun**; Pang, Xiao-Ying; Yuan, Zhen et al., *Disrupted Open Clusters with tidal tails: Coma Berenices and its neighboring group*, (at the stage of circulating among coauthors for submission to [The Astrophysical Journal](#))
 - Wang, You-Fen; **Tang, Shih-Yun**; Chen, W. P. et al., *Brown Dwarfs in LAMOST Survey: from late M to L stars*, (in prep.)

Observation Proposal

- Principal Investigator - Gemini FT/GNIRS, 1.5 hours, program ID: GN-2017B-FT-18.

- References**
- **Dr. Wen-Ping Chen** 陳文屏 博士: wchen@astro.ncu.edu.tw
Professor, Graduate Institute of Astronomy,
National Central University, Taiwan.
 - **Dr. Bertrand Goldman**: goldman@mpia.de
Max Planck Institute for Astronomy, Heidelberg, Germany &
Universite de Strasbourg, CNRS, Observatoire astronomique de
Strasbourg
 - **Dr. Andreas Just**: just@ari.uni-heidelberg.de
Professor, Zentrum fuer Astronomie der Universitaat Heidelberg,
Astronomisches Rechen-Institut, Heidelberg, Germany.

- Collaborators**
- **Dr. Pang, Xiao-Ying**¹ and **Dr. Yuan, Zhen**² (2018.9–now)
¹Shanghai Institute of Technology, China;
²CAS Key Laboratory for Researches in Galaxies and Cosmology, SHAO CAS
, China
 - Topic: *Disrupting Open Clusters with tidal tail: Coma Berenices and its neighboring group*
 - **Prof. Andreas Just**¹, **Dr. Bekdaulet Shukirgaliyev**,¹ and **Dr. Bertrand Goldman**² (2018.8–now)
¹ARI, Heidelberg University, Germany; ²MPIA, Germany
 - Topic: *N-body simulation for the open cluster ComaBer & M44*

- Language Skills**
- Native: Chinese
 - Fluent: English (TOEIC 865/990, TOEFL iBT 89/120) &
Japanese (JLPT N1 passed, advance level)

- Technical Skills**
- Computing: Python 3.X, IDL, MATLAB
 - Data Reduction: PyRAF, PyHammer