

# Wenjin Yang

Max-Planck Institut für Radioastronomie, Auf dem Hügel 69, Bonn 53121, Germany

Mobile: (0049) 0176 8544 2769

Email : [wjyang@mpifr-bonn.mpg.de](mailto:wjyang@mpifr-bonn.mpg.de)    [wjyangwhu@gmail.com](mailto:wjyangwhu@gmail.com)

Homepage: <https://wjyang7.github.io>

ORCID: <https://orcid.org/0000-0002-3599-6608>

---

## ***Research Interests***

- Astronomical masers
- Kinematics and dynamics of interstellar medium
- Star formation in molecular clouds
- Supernova remnants

## ***Employment***

- 2020.11-present  
postdoc in Max Planck Institute for Radio Astronomy

## ***Education***

- 2014.09-2020.07  
Ph.D in Astrophysics, Purple Mountain Observatory & University of science and technology of China  
Thesis: *Observational studies of class I methanol masers*  
Supervisors: Prof. Dr. Ye Xu, Prof. Dr. Xi Chen
- 2010.09-2014.06  
Bachelor of Engineering in Geographical Information System (GIS), School of Resource and Environmental Sciences, Wuhan University

## ***Presentations***

- 2023.03, poster, [IAU 380 Cosmic Masers](#), Kagoshima, Japan  
“*ATLASGAL: Methanol masers at 3 mm*”

- 2022.06, poster, [Meeting of the MPIfR's Scientific Advisory Committee \(Fachbeirat\)](#), Bonn, Germany  
*“Probing infall in high-mass star-forming regions from red-shifted absorption of CH<sub>3</sub>OH and HNCO”*
- 2022.03, talk, Group meeting of Millimeter and Submillimeter Astronomy in MPIfR, Bonn, Germany  
*“Methanol masers and absorption features at 3 mm toward ATLASGAL sources”*
- 2021.11, invited-talk (on-line), Guangzhou University, China  
*“How to use RADEX code”*
- 2019.07, talk, [Symposium on molecular clouds and star formation 2019](#), Altay, China,  
*“44 GHz Methanol Masers: Observations toward 95 GHz Methanol Masers”*
- 2017.10, talk, [Symposium on molecular clouds and star formation 2017](#), Yichang, China  
*“The new catalog of 95 GHz methanol maser”*
- 2016.11, talk, [The Chinese Annual Astronomy/Astrophysics Meeting](#), Wuhan, China  
*“The Current Status of 95 GHz methanol masers observations”*

### ***Workshop/Conference Experience***

- 10th IRAM 30-meter School on Millimeter Astronomy (Virtual Edition), 15-19, 22 and 23 November, 2021
- 6th SKA summer school in China, Guangzhou University (on-line), 8-14 August, 2021
- CASA-VLBI workshop (on-line), 02-06 November, 2020
- The Milky Way 2019: Lamost and other leading surveys, 14-18 October, 2019, Three Gorges University, Yichang, China

### ***Accepted proposals***

- **ATCA, #C3471, 9.5 h (as P.I)**  
 Studying rare class II CH<sub>3</sub>OH masers at 3 & 7 mm in the same epoch
- **IRAM-30 m, #141-22, 29 h (as P.I)**  
 Searching for class I methanol masers at 132.9 and 146.6 GHz
- **Effelsberg-100 m, #17-21, 22 h (as P.I)**  
 Methanol: Do class I maser lines originate in Class II line absorbing clouds?
- **Effelsberg-100 m, #65-17, 29 h (as P.I)**  
 Ammonia observations toward 95 GHz methanol masers

- **VLBA, #17A-112, 24 h (as P.I)**  
Locating the very distant Outer Scutum Centaurus spiral arm of the Milky Way
- **PMO-13.7 m #20A-007, 147 h (as P.I)**  
Studying the shock environments of 84 GHz class I methanol masers
- **PMO-13.7 m #18A-001, 57 h (as P.I)**  
Mapping HCO<sup>+</sup> to study kinetic environment and physical environment of 95 GHz masers
- **PMO-13.7 m #17A-007, 130 h (as P.I)**  
Searching for 95 GHz class I methanol masers toward Red MSX Sources

### ***Honor and Awards***

- 2020 Outstanding graduate, University of science and technology of China
- 2017 National scholarship for master student, University of science and technology of China
- 2014-2015 Merit student, University of Chinese Academy of Sciences

### ***Skills of Note***

- Software: GILDAS, python, CASA, MIRIAD (basic), html/css (basic)
- Radiative transfer code: RADEX/myRadex, molpop-cep, Cassis (basic)
- Observing experience: Effelsberg-100m (remote), IRAM-30m (remote), APEX-12m (remote), ATCA (remote), PMO-13.7m (on site)

*Date: 03 Jan. 2023*