



TO MAGNIFICA RETTRICE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 7057

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Fisica Aldo Pontremoli**

Scientist- in - charge: Prof. Rosotti Giovanni Pietro

Tomohiro Yoshida

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Yoshida
Name	Tomohiro

PRESENT OCCUPATION

Appointment	Structure
Ph.D. candidate	National Astronomical Observatory of Japan Department of Astronomical Science, The Graduate University for Advanced Studies

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Master of Science	The Graduate University for Advanced Studies	2023
Specialization	Astronomy		
PhD	In Progress	The Graduate University for Advanced Studies	Expected 2025
Master	Astronomical Science	The Graduate University for Advanced Studies	2023
Degree of medical specialization			
Degree of European specialization			
Other			



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date registration	of Association	City
2021	The Astronomical Society of Japan	Tokyo
2021	The Japanese Society for Planetary Sciences	Tokyo
2021	Japan Geoscience Union	Tokyo

FOREIGN LANGUAGES

Languages	level of knowledge
English	Proficient
Italian	Beginner
Japanese	Native

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2024	Best Presentation Award in Japanese Society for Planetary Science Fall Meeting

TRAINING OR RESEARCH ACTIVITY

description of activity
Research on protoplanetary disks using radio interferometric observations

PROJECT ACTIVITY

Year	Project
2022-	exoALMA large program

PATENTS

Patent



CONGRESSES AND SEMINARS

Date	Title	Place
Jul. 2023	Discovery of Line Pressure Broadening in a Protoplanetary Disk and Constraint on Gas Surface Density of the TW Hya disk	2023 Kavli-IAU Astrochemistry Symposium. Astrochemistry VIII, MI, USA
Feb. 2024	Tracing gas in protoplanetary disks with pressure-broadened CO line wings	Celebrating 30 years of protoplanetary disk chemistry: past, present, and future, Germany
Jul. 2024	Complex carbon isotope fractionation in a protoplanetary disk	COSPAR 2024, Busan, Korea

PUBLICATIONS

Refereed Publications
Multi-epoch Submillimeter Array Observations of the L1448C(N) Protostellar SiO Jet, The Astrophysical Journal, 906, 112 (2021), Yoshida et al.
A New Method for Direct Measurement of Isotopologue Ratios in Protoplanetary Disks: A Case Study of the 12CO/13CO Ratio in the TW Hya Disk, The Astrophysical Journal, 932, 126 (2022), Yoshida et al.
Discovery of Line Pressure Broadening and Direct Constraint on Gas Surface Density in a Protoplanetary Disk, The Astrophysical Journal Letters, 937, L14 (2022), Yoshida et al.
The First Spatially Resolved Detection of 13CN in a Protoplanetary Disk and Evidence for Complex Carbon Isotope Fractionation, The Astrophysical Journal, 966, 63 (2024), Yoshida et al.
Outflow Driven by a Protoplanet Embedded in the TW Hya Disk, The Astrophysical Journal Letters, 971, L15 (2024), Yoshida et al.
Dust Scattering Albedo at Millimeter-Wavelengths in the TW Hya Disk, The Astrophysical Journal, 980, 50 (2025), Yoshida et al.
Detection of HC18O+ in a protoplanetary disk: exploring oxygen isotope fractionation of CO, The Astrophysical Journal, 926, 148 (2022), Furuya, ... , Yoshida et al.
Asymmetric dust accumulation of the PDS 70 disk revealed by ALMA Band 3 observations, The Astrophysical Journal Letters, 974, L25 (2024), Doi, ... , Yoshida et al.
Dust characterization of protoplanetary disks: a guide to multi-wavelength analyses and accurate dust mass measurements, Astromy & Astrophysics, in press (2025), Viscardi, ... , Yoshida et al.

OTHER INFORMATION

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without



personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: Tokyo, Japan, Feb. 16, 2025