JORDAN B. S. VAN BEECK

work Address (until December 22, 2023)

Institute of Astronomy
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Online Presence Personal Webpage R° ResearchGate page LinkedIn page Google Scholar page Github page (JVB11) ArXiv records ADS library R Researcher ID 0000-0002-5082-3887 Zenodo records

SCIENTIFIC EDUCATION

09/2019 - 09/2023 | ASTRONOMY & ASTROPHYSICS, Ph.D.

KU Leuven, Belgium

Thesis title: Asteroseismology of Kepler B stars: internal magnetism and nonlinear

mode coupling

Promoters: Prof. Dr. C. Aerts, Prof. Dr. T. Van Hoolst, Dr. Prof. D. M. Bowman

09/2017 - 07/2019 | ASTRONOMY & ASTROPHYSICS, M.Sc.

Magna Cum Laude KU Leuven, Belgium

Thesis title: The influence of an interior magnetic field on gravity-mode oscillations of

intermediate-mass stars

Promoters: Prof. Dr. C. Aerts, Dr. T. Van Reeth, Prof. Dr. D. M. Bowman

09/2015 - 09/2017 | CHEMIE / CHEMISTRY, M.Sc.

Magna Cum Laude

University of Antwerp (Universiteit Antwerpen), Belgium

Thesis title: Characterization of radioactive particles

Promoters: Prof. Dr. K. Janssens, Prof. Dr. B. Salbu, Prof. Dr. O.-C. Lind, M.Sc. G. Nuyts

09/2012 - 09/2015 | CHEMIE / CHEMISTRY, B.Sc.

Magna Cum Laude

University of Antwerp (Universiteit Antwerpen), Belgium

Thesis title: Atomic scale reactive MD studies of DNA oxidation for plasma oncology:

the role of H₂O₂ and HO₂

Promoters: Prof. Dr. A. Bogaerts, Prof. Dr. E. Neyts, Dr. C. Verlackt

EMPLOYMENT HISTORY

09/2023 - 12/2023 | Research Associate, Asteroseismology

Institute of Astronomy, KU Leuven, Celestijnenlaan 200D, B-3001 Leuven, Belgium Project: non-linear asteroseismic modeling of slowly pulsating B stars

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AWARDED GRANTS AND FELLOWSHIPS

2021 - 2022	FWO (Research Foundation Flanders) long research stay grant (€12 738) for
	a stay as a VSR at TAPIR, Caltech, CA, USA with Prof. Dr. J. Fuller.
2019 - 2023	4-year PhD Fellowship, Department of Physics & Astronomy, KU Leuven

SEMINARS AND CONFERENCE PRESENTATIONS (ABRIDGED)

March 2023	GOOD VIBRATIONS SEMINAR (https://youtu.be/dWaEkri_s2I?feature=shared) The Good Vibrations seminar series, S3E8.
February 2023	AD-VALVAS SEMINAR (https://youtu.be/nTWZoLCMa_g?feature=shared) Ad-valvas seminar of the Institute of Astronomy, KU Leuven, Belgium.
July 2022	POSTER PRESENTATION (additional info: doi:10.5281/zenodo.6814504) TASC6 / KASC13 workshop/conference at KU Leuven, Belgium.
November 2021	CONTRIBUTED TALK (doi:10.26081/K6VH15) Transfer in Stellar Interiors conference (part of the Probes of Transport in Stars program), KITP, UC Santa Barbara, CA, USA.
July 2020	CONTRIBUTED TALK (doi:10.5281/zenodo.5525346) MOBSTER-1 Virtual conference 2020: Stellar variability as a probe of magnetic fields in massive stars (online, hosted by University of Delaware, DE, USA)

AWARDS AND HONORS

July 2019	Paul Smeyers	Prize,	KU	Leuven
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Awarded to the annual best master's thesis in Astronomy & Astrophysics at the June examination session.

TEACHING EXPERIENCE

University Courses

2022 - 2023	Teaching Assistant, Department of Physics & Astronomy, KU Leuven
	'Natuurkunde met elementen van wiskunde' I (K01B4A; in Dutch), first year B.Sc. pharmaceutical sciences
2019 - 2021	Teaching Assistant, Department of Physics & Astronomy, KU Leuven
	'Natuurkunde met elementen van wiskunde' I and II (K01B4A and K01B4B; in Dutch, English translation: 'Physics with elements of mathematics' I and II), first year B.Sc. pharmaceutical sciences

RESEARCH POSITIONS

11/2021 - 06/2022	Visiting Student Researcher at TAPIR,	Caltech, CA, USA
	Mentor: Prof. Dr. J. Fuller	Funding: FWO long research stay grant
	Project Title: Nonlinear asteroseismology: a dy	ynamic step forward.
	Project Focus: using nonlinear asteroseismic thaid in explaining oscillation mode amplitude li	
11/2021 - 12/2021	Transport in Stellar Interiors Program at KITP, UC Santa Barbara, CA, USA	n Affiliate (workshop, conference)
	Mentor: Prof. Dr. L. Bildsten	Funding: FWO long research stay grant

PROFESSIONAL ACTIVITIES

Conference Organization

July 2022 | Member of the LOC, TASC6 / KASC13 workshop/conference at Leuven, Belgium

Associations

2022	Fellow (Graduate Student) Royal Astronomical Society (RAS)
2020 - 2022	Graduate Student Member American Astronomical Society (AAS)
2020 - 2022	Graduate Student Member Royal Netherlands Astronomical Society (KNA)
2019 - 2023	Graduate Student Member International Research Network for Nuclear Astrophysics (IReNA)

LANGUAGES

Spoken Ar Programming Programming

Dutch (mother tongue)
English (fully proficient)
French (basic)







Proficient:











SCIENTIFIC SOFTWARE PROFICIENCY



SCIENTIFIC SOFTWARE CREATOR



