

CURRICULUM VITAE - Julia Bodensteiner

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Personal details

Date, place of birth: 9 February 1993, Munich, Germany
 Citizenship: German
 Languages: German (native), English (fluent), Spanish (fluent), Dutch (basic)

Academic background

2017 - now: PhD student at the Institute of Astronomy, KU Leuven
 thesis title: *Detection and characterization of massive binary interaction products*
 supervisor: Prof. H. Sana, expected defense date: May 2021

2015 - 2017: MSc Nuclear Particle and Astrophysics, Technical University of Munich, Germany
 thesis title: *Interaction between massive stars and the interstellar medium*
 supervisors: Dr. J. Greiner (MPE, Germany), Dr. Dietrich Baade (ESO, Germany)

2015 - 2016: Job student at the Max-Planck Institute for Extraterrestrial Physics, Munich

2011 - 2015: BSc Physics, Technical University of Munich, Germany
 incl. 2 semesters ERASMUS at the Universidad Complutense de Madrid, Spain

Successful observing proposals

2020	VLT, GRAVITY	44 h (Co-I)
	Mercator telescope, HERMES	195 h (PI), 125 h (Co-I)
2019	VLT, UVES	6 h (PI)
	Mercator telescope, HERMES	223 h (PI), 243 h (Co-I)
2018	VLT, UVES	2 h (PI)
	VLT, MUSE	3 h (PI)
	Mercator telescope, HERMES	104 h (PI), 23 h (Co-I)
2017	VLT, MUSE	4 h (PI), 2 h (Co-I)
	APEX, LABOCA	2 h (PI)
	Mercator telescope, HERMES	76 h (Co-I)
2015	MPG/ESO 2.2-m telescope, FEROS	20 h (PI)
2014	MPG/ESO 2.2-m telescope, FEROS	20 h (PI)

Observing experience

2020	Mercator telescope, HERMES	15 nights (remote due to COVID19)
2019	Mercator telescope, HERMES and MAIA	20 nights
2018	Mercator telescope, HERMES	10 nights
2016	MPG/ESO 2.2-m telescope, FEROS and GROND	12 nights
2015	MPG/ESO-2.2m telescope, FEROS and GROND	9 nights

Teaching and supervision

2020	co-supervision MSc thesis " <i>On the photometric and spectroscopic variability of Be stars</i> "
2019	teaching Assistant for the course " <i>High Energy Astrophysics</i> " (Prof. H. Sana) co-supervision MSc project " <i>Investigating the possible binary origin of Be stars</i> "
2018	co-supervision MSc project " <i>Spectroscopic characterization of a eclipsing binary system</i> " co-supervision BSc project " <i>Open clusters</i> "

Outreach

2020	Public talk in the context of "Couch of Science", online Active participation in the "Skype a Scientist" initiative, online
2019	Lecture about " <i>Stellar Clusters</i> " in a Flemish summer school for high-school students Public talk in a bar in the context of the "Pint of Science", Leuven, Belgium Participation in the open-door day " <i>STEM University</i> " at KU Leuven, Belgium
2018	Participation in the open-door day " <i>Dag van de Wetenschap</i> " at KU Leuven, Belgium
2018	supervision of a high-school student in a 1-week project about stellar spectroscopy Participation in the open-door day " <i>Kids University</i> " at KU Leuven, Belgium Participation in high-school visits at KU Leuven, Belgium

Grants and awards

2019	IAU Travel Grant for the Bologna Cluster Conference (250 EUR)
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Others

- organization of weekly PhD meetings at the Institute of Astronomy, KU Leuven
- participation in the KU Leuven Datathon (four 2nd places out of five categories in 2018, 2nd place in the category "Best PhD team" in 2019)
- member of the organization committee for the Institutes Outing 2019
- participation in the Buddy programme for incoming international students at KU Leuven

PUBLICATION LIST

Lead Author

Bodensteiner, Shenar, Mahy et al., 2020, A&A, 641, A43

Is HR 6819 a triple system containing a black hole? - An alternative explanation

Bodensteiner, Shenar, Sana, 2020, A&A, 641, A42

On the lack of main-sequence companions to Be stars

Bodensteiner, Sana, Mahy et al. 2020, A&A 634, A51

MUSE observations of the young massive SMC cluster NGC 330. I. Observations and stellar content

Bodensteiner, Baade, Greiner, Langer 2018, A&A 618, 110

IR nebulae around bright massive stars as indicators for binary interactions

Contributions

Janssens, Shenar, Mahy, Marchant, Sana, **Bodensteiner**, 2020, submitted to A&A

BAT99 126: a Wolf-Rayet multiple system in the LMC hosting a massive near-contact binary

Rainot, Sana, Reggiani, **Bodensteiner** et al. 2020, A&A, 640, A15

The Carina High-Contrast Imaging Project for massive Stars (CHIPS) I. Methodology and proof of concept on QZ Car (=HD93206)

Shenar, **Bodensteiner**, Abdul-Masih et al. 2020, A&A, 639, L6

The hidden companion in LB-1 unveiled by spectral disentangling

Langer, Schürmann, Stoll, ... , **Bodensteiner** et al. 2020, A&A 638, A39

Properties of OB star-black hole systems derived from detailed binary evolution models

Abdul-Masih, Banyard, **Bodensteiner**, 2020, Nature 580, 7805

No signature of the orbital motion of a putative 70 solar mass black hole in LB-1

Patrick, Lennon, Evans, Sana, **Bodensteiner** et al. 2020, 635, A29

The Multiplicity of the Red Supergiant Population in the Young Massive Cluster NGC 330

Langer, Baade, **Bodensteiner** et al. 2020, 633, 15

γ Cas stars: Normal Be stars with disks impacted by the wind of a helium-star companion?

Kriss, Mehdipour, Kaastra, Rau, **Bodensteiner** et al. 2019, A&A 621, 12

HST/COS observations of the newly discovered obscuring outflow in NGC 3783

Gvaramadze, Kniazev, Bestenlehner, **Bodensteiner** et al. 2015, MNRAS 454, 219

The blue supergiant MN18 and its bipolar circumstellar nebula