

CURRICULUM VITAE

FELIX AHLBORN

Contact

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Address: Max Planck Institute for Astrophysics
Karl-Schwarzschild-Straße 1
85748 Garching, Germany

Education

- 2018 – present** **PhD project**, Max Planck Institute for Astrophysics (MPA), Garching

Topic: “Reynolds stress models for convection in stellar models”,
Supervisor: Achim Weiss
- 2016 – 2017** **Master of Science (Physics)**, Georg-August-Universität, Göttingen

Master project at the Max Planck Institute for Solar System Research,
Göttingen (MPS) in the “Stellar Ages and Galactic Evolution” group
(SAGE)
Topic: “Influence of kernel sensitivities on rotational inversion
results”,
Supervisor: Saskia Hekker
- 2012 – 2016** **Bachelor of Science (Physics)**, Georg-August-Universität, Göttingen

Bachelor project at the MPS, SAGE-group
Topic: “Observation of differential rotation in the red giant KIC
4448777”
Supervisor: Saskia Hekker
- 2009-2012** **Senior high school degree** (Abitur), Herderschule, Kassel
Advanced courses in mathematics and physics

Conferences and presentations

19. – 23.08.2019 Participant at the conference “Stars and their variability, observed
from space” at the University of Vienna, with poster presentation
13. – 15.09.2017 Participant at the conference “Rocks and Stars II” at the MPS,
Göttingen, with poster presentation
16. – 21.07.2017 Participant at the conference “TESSting Stellar Astrophysics” at the
University of Birmingham, with poster presentation
- 18.10.2015 Talk at the “Deutsche Physikerinnentagung” in Göttingen on „Radial
differential rotation in an evolved star“

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Publications

- Ahlborn et al. (2020) “Astero seismic sensitivity to internal rotation along the red-giant branch”, A&A 639, A98 (2020)
- Ahlborn et al. (2020) “Rotational inversions along the lower part of the red-giant branch”, in proceedings of the conference “Stars and their variability observed from space”, ed. C. Neiner, W. W. Weiss, D. Baade, R. E. Griffin, C. C. Lovekin, & A. F. J. Moffat, p. 377-379, (2020)

Professional experience

- 01.09.18 – present PhD position at the MPA
- 01.11.17 – 30.04.18 Scientific employee in the SAGE-group at the MPS

Skills

- Programming Advanced: Linux operating systems, Python (NumPy, PyMC, astropy),
FORTRAN, LaTeX
Basic: C++, Java
- Languages Advanced skills in English and French, basic skills in Spanish