MARIE-LUISE STEINMEYER

Øster Voldgade 5-7 ◇ 1350 Copenhagen K ◇ Denmark
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EDUCATION

Ph.D. in Planetary Science, *GLOBE institute, University of Copenhagen*, Denmark *since 10/20*
Topic: Formation of terrestrial planets and super-Earths by pebble accretion
Supervisors: Prof. Dr. Anders Johansen, Troels Haugbølle

M.Sc. in Physics, *Ruprecht Karl University*, Heidelberg, Germany *10/18 - 09/20*
Specialisation in Astrophysics and Environmental Physics *final grade: 1.3 - very good*
Master's Thesis: Formation of planetesimals by gravitational collapse using the PENCIL-Code
Supervisors: Prof. Dr. Hubert Klahr, Prof. Dr. Anders Johansen
Thesis Grade: 1.3 - very good

B.Sc. in Physics, *Ruprecht Karl University*, Heidelberg, Germany *10/14 - 09/18*
General Education in Physics *final grade: 1.3 - very good*
Additional courses on geoscience
Bachelor's Thesis: The Impact of Temperature Evolution on Planetesimal Formation
Supervisor: Prof. Dr. Hubert Klahr
Thesis Grade: 1.0 - very good

RESEARCH EXPERIENCE

Research Internship, *Lund Observatory*, Lund *09/19 - 01/20*
Studying gravitational collapse of dust clouds using the Pencil Code
Supervisor: Prof. Dr. Anders Johansen

Student Research Assistant, *Max Planck Institute for Astronomy*, Heidelberg *03/18 - 03/19*
Documentation and evaluation of the dust evolution model TwoPopPy
Supervisor: Prof. Dr. Hubert Klahr

Projektpraktikum (Project Internship), *Max Planck Institute for Astronomy*, Heidelberg *04/17 - 12/17*
Planetesimal formation around the ice line
Supervisor: Prof. Dr. Hubert Klahr

INSTITUTIONAL RESPONSIBILITIES

Member of GLOBE's Diversity allies *since 11/20*

SKILLS

Computer Skills
Word processing with Microsoft Office and LaTeX
Coding with Python (advanced), C++ and Fortran (beginner)
Experience using the two-population dust evolution model TwoPopPy, the high-order finite-difference code for compressible (magneto-)hydrodynamics code Pencil, and the DISPATCH code framework

Languages

German	*native Speaker*
English	*fluent - C1 level*
French	*good command - B1 level*
Swedish	*basic words and phrases - A1 level*

INVITED TALKS

Gravitational Collapse of Dust Filaments *03/20*
at: Ringberg Workshop: Pebbles, Planetesimals and Protoplanets, Schloss Rinberg, Germany
`http://www.mpia.de/homes/klahr/PPP2020.html`

DEPARTMENT TALKS

Temperature and Planetesimal Formation *03/18*
at: Joint Retreat of the Planet and Star formation Theory Group of the Max Planck Institute for Astronomy and the Institute for Theoretical Astrophysics Heidelberg, Todtnauberg, Germany

POSTERS

Evolution and Collapse of Particle Filaments *11/20*
at: Planetesimal Formation meeting
`https://michiellambrechts.bitbucket.io/pfmeet.html`

REFERENCES

Prof. Dr. Hubert Klahr *Max Planck Institute for Astronomy*, Heidelberg
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Prof. Dr. Anders Johansen *Globe Institute*, Copenhagen
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