



Tim-Eric Rathjen

Curriculum Vitae

PERSONAL DETAILS

Birth June 26, 1991
Address Karl-Schwarzschild-Strasse 1, 85478 Garching b. München
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SCIENTIFIC CAREER

Max Planck Institute for Astrophysics *2021
Ph. D. Astronomy
Dissertation: *Simulating the multi-phase structure of the ISM and molecular outflows*, with Dr. Thorsten Naab

University of Cologne 2017
M. Sc. Physics
With Prof. Dr. Stefanie Walch-Gassner

University of Cologne 2015
B. Sc. Physics
With Prof. Dr. Stefanie Walch-Gassner

HONORS, AWARDS AND GRANTS

Co-PI of GCS LS Call 1/2019 2019
40 Mio. CPU-h on SuperMUC-NG for SUPERSILCC (project: pn34ma)

PUBLICATIONS

First author publications:

1. *SILCC VI – Multi-phase ISM structure, stellar clustering, and outflows with supernovae, stellar winds, ionising radiation and cosmic rays*
Tim-Eric Rathjen, Thorsten Naab, Philipp Girichidis, Stefanie Walch, Richard Wunsch, František Dinnbier, Daniel Seifried, Ralf S. Klessen, Simon C. O. Glover
Monthly Notices of the Royal Astronomical Society (2021)

CONFERENCES AND SEMINARS

SFIR: Star Formation/ISM Rendezvous Seminar, Princeton 2021

Multi-phase ISM structure, stellar clustering, and outflows with supernovae, stellar winds, radiation, and cosmic rays

Zooming in on Star Formation Conference, Nafplio 2019

The strong impact of cosmic rays on the structure of the ISM and outflows

Science Week Universe Cluster Conference, Seon 2018

The strong impact of cosmic rays on the structure of the ISM and outflows

Astrophysical Shocks Conference, Potsdam 2018

Shock transport through the ISM

TEACHING EXPERIENCE

University of Cologne 2017

Instructor for freshman physics lab course

University of Cologne 2017

Tutoring for freshman physics as a minor subject

University of Cologne 2016

Instructor for freshman physics lab course

University of Cologne 2015

Tutoring for freshman physics as a minor subject

University of Cologne 2015

Instructor for freshman physics lab course

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