



Michel Pannier

Curriculum Vitae

Personal Information

Date of Birth 07 September 1990 in Saalfeld/Saale
Nationality German
Current Academic Position Postdoctoral Researcher
Current Academic Address Theoretisch-Physikalisches Institut
Friedrich-Schiller-Universität Jena
Max-Wien-Platz 1
07743 Jena, Germany
ORCID-ID 0000-0003-3428-2459

School Education & Occupations

School Education

07/2001–06/2009 **Abitur**, Staatliches Gymnasium “Erasmus Reinhold” Saalfeld.

Military Service

07/2009–03/2010 **Basic Selective Service**, 5./Aufkl.Btl.13, Gotha.

04/2010–09/2010 **Voluntary Service**, 5./Aufkl.Btl.13, Gotha.

University Education

10/2010–09/2013 **Bachelor in Physics**, Friedrich-Schiller-Universität Jena,
Degree *Bachelor of Science*.
Bachelor's thesis “Zur Eichunabhängigkeit der post-Newton'schen Streuung”,
supervised by apl. Prof. Dr. G. Schäfer

10/2013–03/2017 **Master in Physics**, Friedrich-Schiller-Universität Jena,
Degree *Master of Science*.
Master's thesis “Towards Higher-Spin Gravity in non-AdS Backgrounds”,
supervised by Jun.-Prof. Dr. M. Ammon

04/2017–03/2023 **Doctoral Studies**, Friedrich-Schiller-Universität Jena,
Degree *Doctor rerum naturalium*, graduation *summa cum laude*.
Dissertation “Aspects of Holography and Higher Spins in Three-Dimensional Asymptotically
Flat Spacetimes”, supervised by Prof. Dr. M. Ammon

Scientific Career

04/2023–09/2023 **Postdoctoral Researcher**, Friedrich-Schiller-Universität Jena.
Research group *Holographic Duality* of Prof. Dr. M. Ammon

Publications

Martin Ammon, Michel Pannier und Max Riegler. “Scalar Fields in 3D Asymptotically Flat Higher-Spin Gravity”. In: *J. Phys. A* 54.10 (2021), S. 105401. arXiv: 2009.14210 [hep-th]

Martin Ammon, Seán Gray, Claire Moran, Michel Pannier und Katharina Wöfl. “Semi-classical BMS-blocks from the oscillator construction”. In: *JHEP* 04 (2021), S. 155. arXiv: 2012.09173 [hep-th]

Martin Ammon und Michel Pannier. “Unfolded Fierz-Pauli equations in three-dimensional asymptotically flat spacetimes”. In: *JHEP* 02 (2023), S. 161. arXiv: 2211.12530 [hep-th]

Teaching

Lab Works

Basic Laboratory Work for Medical Students.

WS 14/15, WS 15/16, WS 16/17

Basic Laboratory Work for Pharmaceutic Students.

SS 16

Basic Laboratory Work for Physics Students, Part III.

WS 16/17

Tutorials

Analytical Mechanics.

SS 13, SS 14, SS 15

Theoretical Electrodynamics.

WS 13/14, WS 14/15

Theoretical Thermodynamics & Statistical Physics.

WS 16/17

Advanced Quantum Theory.

SS 16, WS 17/18, WS 19/20

Exercise Classes

Mathematical Pre-Course for First-Semester Students.

WS 15/16

Analytical Mechanics.

SS 18

Theoretical Electrodynamics.

WS 17/18, WS 18/19, WS 19/20

Quantum Theory.

SS 22, SS 23

Lectures

Mathematical Pre-Course for First-Semester Students.

WS 16/17, WS 17/18, WS 18/19, WS 19/20, WS 20/21, WS 21/22, WS 22/23

Supervision

Second Referee for Bachelor's theses.

Michael Dimler (10/2019), Adrian Minnich (12/2021), Elias Wahl (12/2021)

Voluntary Work

- 10/2012–09/2016 **Student Council of the Faculty of Physics and Astronomy.**
Chairman from 06/2013 to 09/2016
- since 06/2013 **Physikerball e.V..**
Founding Member
- 10/2014–09/2016 **Faculty Board of the Faculty of Physics and Astronomy.**
Student Member
- 10/2017–09/2018 **Student Council of the University.**
Student Member
- 11/2017–03/2020 **Academy for Teaching Development.**
Student Member of the Expert Board
- 10/2018–09/2020 **Faculty Board of the Faculty of Physics and Astronomy.**
Student Member
- 11/2018–01/2022 **Alumni Association.**
Vice Chairman of the Alumni Association of the Faculty of Physics and Astronomy
- 10/2019–03/2022 **Institute Board.**
Student Member, Institute for Theoretical Physics

Fellowships & Awards

- 12/2015 **Teaching Award**, of the Faculty of Physics and Astronomy.
- 04/2018–03/2022 **Scholarship of the Federal Country of Thuringia.**

Certificates

- 11/2018 **Good Scientific Practice.**
- 02/2019 **Teaching Qualification Basic.**