

Johannes M. Lahnsteiner

Curriculum Vitae

born April 17, 1993 in Gmunden, Austria
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Education

2022 Ph.D. University of Groningen

promoter: Eric Bergshoeff
title: *Stringy Supergravity
and Dualities*

2018 M.Sc. University of Vienna
average grade: *Sehr Gut*

promoter: Stefan Fredenhagen/
Jan Rosseel
title: *Non-Relativistic
Supergravity*

2016 B.Sc. University of Vienna

promoter: Philip Walther/
Max Tillmann
title: *Polarization and
Fiber Optics*

Languages and Skills

German – native
English – fully proficient
French – intermediate
Dutch – intermediate

tools: LaTeX, Adobe CC,
Mathematica,
Matlab

programming: Python, PyTorch,
Fortran 95

Conferences, Schools, and Workshops

- * Nordic Network Meeting on Strings, Fields, and Branes, 2021
- * Corfu Workshop Quantum Gravity and String Theory, 2021
- * Strings Conference, online 2020 and 2021
- * Iberian Strings Meeting 2021
- * NL Zoom Meetings 2020/2021
- * LACES Doctoral School, Florence 2019
- * Amsterdam String Meeting, 2019
- * Strings Conference, Brussels 2019
- * Nordic String Meeting, Potsdam 2019
- * DRSTP Doctoral School, São Paulo 2019
- * Delta Holography Meeting, regularly attending 2018–2020
- * Solvay Doctoral School, Paris and Geneva 2018
- * Applied Newton–Cartan Geometry, Mainz 2017

International Talks and Seminars

- * Invited talk at Vienna joint seminar on December 7, 2021; title TBD
- * *Non-Lorentzian Supergravity in Ten Dimensions* 
Invited talk at Nordic Strings Meeting at Nordita on November 22, 2021
- * *Stringy Supergravity in Ten Dimensions and Dualities*
Invited talk at Belgian joint seminar series on November 17, 2021
- * *Non-Relativistic Supergravity in Ten Dimensions*
Invited talk at Corfu Workshop on New Developments in Quantum Gravity and String Theory on September 17, 2021, see recording 
- * *Non-Relativistic NS–NS Gravity*
Invited talk at Iberian Strings (Zoom) on January 20, 2021
- * *Non-Relativistic Supersymmetry on Three-Manifolds*
Invited talk at Non-Lorentzian Zoom Meetings on June 25, 2020
- * *Supersymmetry in Curved Spaces*, Gong Show at LACES 2019
- * Poster at Amsterdam String Meeting 2019
- * *Off-Shell Supergravity and Null Reductions*
MSc Presentation in Vienna, 2018

Talks and Seminars in Groningen

Organizer of

Weekly Gravity Journal Club and Seminar Series on Spontaneous Symmetry Breaking and the Swampland Program 2020–2022

- * *Symmetries in Quantum Gravity* on December 14, 2021
- * *Introduction String Theory* on May 31, 2021
- * *Higher Form Symmetries* on April 23, 2021
- * *Chern–Simons Field Theory* on December 16, 2020
- * *BRST Quantization and BV Formalism* on October 20, 2020
- * *A Topological Phase of Early Universe Physics* on October 18, 2020
- * *Symmetries in Field Theory* on October 12, 2020
- * *Anomalies in the Space of Coupling Constants* on March 10, 2020
- * *Magnetic Monopoles and Electric–Magnetic Duality* on November 11, 2019

Teaching Activities

- * BSc course Relativistic Quantum Mechanics,
teaching assistant at university of Groningen in 2019/2020/2021
twice as replacement lecturer in 2020
- * MSc course General Relativity,
as teaching assistant at University of Groningen in 2019
- * BSc course Mathematische Methoden der Physik I
teaching assistant at University of Vienna in 2018

- * (Co–)Supervision of several BSc and MSc projects, among which:
Cian Hamilton (BSc, *Non–Relativistic Supersymmetry*),
Jesse Knol (MSc, *Supersymmetry on Maximally Symmetric Spaces*),
Jason Bennett (MSc, *Gauge Theories*),
Irene Garcia (BSc, *Modified Newtonian Dynamics*),
Iisakki Rotko (BSc, *Fractons*)

Additional Activities

- * Science Communication and Popularization – FameLab 2019 and 2020
- * Co-organizer of interdisciplinary conference THINK
- * Passionate about cooking, literature, movies, experimental music, road cycling, running, badminton, mountaineering, and bouldering