

Lukas Hingerl

Curriculum Vitae

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Personal Data

Date of Birth 19th of February 1988
Place of Birth Wolfern
Parents Kurt and Franziska Hingerl
Citizenship Austrian

Education

1994-1998 Volksschule Wolfern
1998-2006 BRG Steyr
2006 Matura at BRG Steyr
2006-2007 Civil service at the retirement home Münchenholz, Steyr
2007- Dec. 2014 Bachelor and Master studies of physics at the University of Vienna

Master thesis

Title *A Quantum Mechanical Formulation of the Nosé-Theorem*

Supervisor Univ. Prof. Helmuth Hüffel

Abstract I presented (with the help of Dirac's constrained quantization method) a quantum formulation of the classical Nosé-Theorem which shows that the microcanonical probability distribution of a many particle system in a heat bath reduces to a canonical probability distribution after integrating out the heat bath variables. This theorem is of importance in computer simulations since it relates numerical simulations (they are carried out in the microcanonical ensemble) with laboratory work (canonical ensemble).

Experience

Vocational

Company technician at the retirement home Münchenholz, Steyr.

Tutor/Teaching Assistant at the BOKU for the *Mathematics 1* course for first year students.

Sales and Distribution Paper mill Nettingsdorf Smurfitkappa, Linz.

Internship at the Profactor GmbH, Steyr (Nano-Lab).

Since 2015 MR Centre of Excellence, MedUni Vienna

Miscellaneous

German, English, Microsoft Office, Latex, driving licence

Hobbies

Photography, Bouldering, Climbing, Beach volleyball