

# Jorrit Lion

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## *curriculum vitae*

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### personal details

date of birth **30.05.1994**, Celle, Germany.

nationality **German**.

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### education

since 02/2019 **PhD Studies in Plasmaphysics**,  
*Max-Planck Institute for Plasmaphysics Greifswald, Germany*,  
Group: Prof. Robert Wolf (TU Berlin).

Topic: Stellarator fusion reactor studies with systems codes

09/2018 **Graduated with M.Sc. (Grade: 1.0)**,  
*Ruprecht-Karls-University Heidelberg, Germany*.

05/2016 - 09/2018 **Postgraduate Study in Theoretical Physics**,  
*Ruprecht-Karls-University Heidelberg, Germany*.

Specialization: Relativistic fluid dynamics and the standard model of particle physics.

09/2015-05/2016 **Visiting Student in Plasmaphysics**,  
*University of York, United Kingdom*.

09/2015 **Graduated with B.Sc. (Grade: 1.5)**,  
*Ruprecht-Karls-University Heidelberg, Germany*.

10/2012 - 09/2015 **Undergraduate Studies in Physics**,  
*Ruprecht-Karls-University Heidelberg, Germany*.

07/2012 **Abitur (Grade: 1.4, obtained Graecum and Great Latinum)**,  
*Gymnasium Ernestinum Celle, Germany*.

2004-2012 **Secondary School**,  
*Gymnasium Ernestinum Celle, Germany*.

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### professional experiences

09/2017-09/2018 **Master-Thesis**,  
*Institute for Theoretical Physics Heidelberg*,  
Group: Priv. Doz. Stefan Flörchinger.  
Topic: Viscous Mode by Mode Fluid Dynamics for the Quark-Gluon Plasma in Relativistic Heavy Ion Collisions. (Grade: 1.0)

03/2015 - 09/2015 **Bachelor-Thesis**,  
*Max-Planck-Institute for Nuclear Physics Heidelberg, Germany*,  
Group: Prof. Andreas Wolf.  
Topic: Analysing and stabilising of a liquid neon cooling system for high-temperature superconducting coils of the electron cooler in the cryogenic ion storage ring CSR. Also first simulations of angular resolved detection methods of photo-detached electrons in the curved magnetic field region of an electron cooler. (Grade: 1.0)

08/2012 - 10/2012 **Internship**,  
*Volkswagen AG Baunatal, Germany*.

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## **scholarships**

02/2016-09/2018 **e-fellows scholarship**.

09/2015-04/2016 **Erasmus+ scholarship**.

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## **publication list**

07/2019 **Stefan Floerchinger, Eduardo Grossi, and Jorrit Lion**,  
*Fluid dynamics of heavy ion collisions with mode expansion*,  
(Physical Review C).  
<https://doi.org/10.1103/PhysRevC.100.014905>

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## **other skills**

Language **German (fluent), English (fluent), Spanish (basics)**.  
Programming **C/C++, Python, fortran, Linux Bash, Mathematica, Matlab, LaTeX**.

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## **hobbies, interests and commitments**

**Climbing.**

**Chess.**

**Member of the online magazine '/e-politik.de/'.**

**Former Football-Referee.**