

PD Dr. habil. Heinrich Peter Laqua



Current positions

Group Leader ECRH and Vice-head of the Division "Stellarator Heating and Optimization" (E3), MPI for Plasma Physics, Greifswald
Privatdozent, University of Greifswald

Previous position

Post Doctoral Position, MPI for Plasma Physics, Garching (1994-1996)

Scientific degrees:

PhD, Technical University of Karlsruhe (1993)

Habilitation, University of Greifswald (2008)

Appointment as a member (W2) of the Max-Planck-Society (2009)

Recent research topics

Waves in plasmas, stellarator confinement, electron cyclotron heating and current drive, gyrotron development, high power microwave components

Publications/Patents (5 most important)

- **A. Dinklage, C. D. Beidler, P. Helander, G. Fuchert, H. Maaßberg**, et al. Magnetic configuration effects on the Wendelstein 7-X stellarator, *Nat. Phys.* 14, 855 (2018) [doi:10.1038/s41567-018-0141-9](https://doi.org/10.1038/s41567-018-0141-9)
- **H. P. Laqua**, Electron Bernstein wave heating and diagnostic (Topical Review), *Plasma Phys. Contr. F.* 49, R1 (2007) [doi:10.1088/0741-3335/49/4/R01](https://doi.org/10.1088/0741-3335/49/4/R01)
- **H. P. Laqua**, E. Chlechowicz, **M. Otte and T. Stange**, Stochastic acceleration of relativistic electrons and plasma heating and current drive with 2.45 GHz frequency at the WEGA stellarator, *Plasma Phys. Contr. F.* 56, 075022 (2014) [doi:10.1088/0741-3335/56/7/075022](https://doi.org/10.1088/0741-3335/56/7/075022)