

Prof. Dr. Robert Wolf



Current positions

Director and Department Head “Stellarator Heating and Optimization” (E5), MPI for Plasma Physics, Greifswald (since 2006)
Professor, Technical University of Berlin (since 2010)

Previous positions (two selected)

Director at Institute for Plasma Physics, Forschungszentrum Jülich (2002-2007)
Professor, Ruhr University Bochum (2003-2007)

Scientific degrees

PhD in Physics, University of Düsseldorf (1993)
Habilitation (l’agrégation de l’enseignement supérieur), University of Mons-Hainaut (2002)

Recent research topics

High temperature plasma physics, magnetic confinement fusion research, stellarator research, plasma diagnostics, plasma heating systems

Membership

Scientific Member of the Max Planck Society

Publications (5 most important)

- **R. C. Wolf, S. Bozhakov, A. Dinklage, G. Fuchert, Y. O. Kazakov, et al**, Electron-cyclotron-resonance heating in Wendelstein 7-X: A versatile heating and current-drive method and a tool for in-depth physics studies, *Plasma Phys. Contr. F.* 61, 014037 (2019) [doi:10.1088/1361-6587/aaeab2](https://doi.org/10.1088/1361-6587/aaeab2)
- **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)
- **R. C. Wolf, A. Ali, A. Alonso, J. Baldzuhn, C. Beidler, et al.**, Major results from the first plasma campaign of the Wendelstein 7-X stellarator, *Nucl. Fusion* 57, 102020 (2017) [doi:10.1088/1741-4326/aa770d](https://doi.org/10.1088/1741-4326/aa770d)
- **F. Warmer, C. D. Beidler, A. Dinklage, R. Wolf, W7-X Team**, From W7-X to a HELIAS fusion power plant: motivation and options for an intermediate-step burning-plasma stellarator, *Plasma Phys. Contr. F.* 58, 074006 (2016) [doi:10.1088/0741-3335/58/7/074006](https://doi.org/10.1088/0741-3335/58/7/074006)
- **H.-S. Bosch, R. C. Wolf, T. Andreeva, J. Baldzuhn, D. Birus, et al**, Technical challenges in the construction of the steady-state stellarator Wendelstein 7-X, *Nucl. Fusion* 53, 126001 (2013) [doi:10.1088/0029-5515/53/12/126001](https://doi.org/10.1088/0029-5515/53/12/126001)