

## Dr. Henning Thomsen



### Current positions

Group Leader “ Magneto Hydro Dynamic”, MPI for Plasma Physics, Greifswald  
Coordinator of the W7-X Topical Group MHD

### Previous positions (two selected)

Scientific Research Staff (W7-AS, W7-X, JET), MPI for Plasma Physics, Greifswald  
Taskforce Leader W7-X (OP1.2b), MPI for Plasma Physics, Greifswald (2018)

### Scientific degrees

Physics Diploma, University of Kiel (1998)  
PhD in Physics, University of Greifswald (2002)

### Recent research topics

MHD activity in W7-X plasmas, MHD diagnostics, SX-ray tomography

### Membership

Deutsche Physikalische Gesellschaft (DPG)

### Publications (5 most important)

- **C. Brandt, T. Broszat, H. Thomsen, R. Laube, M. Marquardt**, et al., Installation of the soft X-ray multi-camera tomography system (XMCTS) in the Wendelstein 7-X stellarator, *Fusion Eng. Des.* 123, 887 (2017), [doi:10.1016/j.fusengdes.2017.02.111](https://doi.org/10.1016/j.fusengdes.2017.02.111)
- **T. Andreeva, S. Bozhnikov, V. Bykov, M. Endler, J. Fellingner**, et al., Influence of deviations in the coil geometry on Wendelstein 7-X plasma equilibrium properties, *Fusion Eng. Des.* 123, 129 (2017), [doi:10.1016/j.fusengdes.2017.04.030](https://doi.org/10.1016/j.fusengdes.2017.04.030)
- **K. Rahbarnia, H. Thomsen, U. Neuner, J. Schilling, J. Geiger**, et al., Diamagnetic energy measurement during the first operational phase at the Wendelstein 7-X stellarator, *Nucl. Fusion* 58, 096010 (2018) [doi:10.1088/1741-4326/aacab0](https://doi.org/10.1088/1741-4326/aacab0)
- M. Kubkowska, A. Czarnecka, T. Fornal, M. Gruca, N. Krawczyk, et al., First Results from the Soft X-ray Pulse Height Analysis System on Wendelstein 7-X Stellarator, *Fusion Eng. Des.* 136, Part A, 58 (2018) [doi:10.1016/j.fusengdes.2017.12.024](https://doi.org/10.1016/j.fusengdes.2017.12.024)
- **T. Klinger, T. Andreeva, S. Bozhnikov, C. Brandt, R. Burhenn**, et al., Overview of first Wendelstein 7-X high-performance operation, *Nucl. Fusion* 59 112004 (2019), [doi:10.1088/1741-4326/ab03a7](https://doi.org/10.1088/1741-4326/ab03a7)