

Prof. Dr. Hartmut Zohm



Current positions

Director and Division Head “Tokamak Scenario Development” (ASDEX Upgrade Tokamak Experiment), MPI for Plasma Physics, Garching (since 2000)
Honorary Professor, Ludwig Maximilians University of Munich (Physics) (since 2002)
Member of Directorate of MPI for Plasma Physics (since 2011)

Previous positions (two selected)

Professor for Plasma Research, Faculty for Electrotechnical Engineering, University of Stuttgart (1996-1999)
Head of Plasma Heating Group, Institute of Plasma Research, University of Stuttgart (1996-1999)

Scientific degrees

PhD in Physics, University of Heidelberg (1990)
Habilitation in Experimental Physics, University of Augsburg (1996)

Recent research topics

Tokamak operational scenarios, MHD stability of fusion plasmas, electron cyclotron resonance heating and current drive, fusion power plant studies

Awards, honors, memberships

Otto Hahn Medal of the Max Planck Society (1991)
John Dawson Award for Excellence in Plasma Physics Research (APS) (2014)
Hannes Alfvén Prize for Outstanding Contributions to Plasma Physics (EPS) (2016)

Publications (5 most important)

- **H. Zohm**, On the size of tokamak fusion power plants, *Phil. Trans. R. Soc. A* 377, 20170437 (2019) [doi:10.1098/rsta.2017.0437](https://doi.org/10.1098/rsta.2017.0437)
- **H. Zohm**, On the minimum size of DEMO, *Fusion Sci. Technol.* 58, 613 (2010) [doi:10.13182/FST10-06](https://doi.org/10.13182/FST10-06)
- **H. Zohm**, G. Gantenbein, G. Giruzzi, **S. Günter**, **F. Leuterer**, et al., Experiments on Neoclassical Tearing Mode stabilization by ECCD in ASDEX Upgrade, *Nucl. Fusion* 39, 577 (1999) [doi:10.1088/0029-5515/39/5/101](https://doi.org/10.1088/0029-5515/39/5/101)
- **H. Zohm**, Edge Localized Modes (ELMs), *Plasma Phys. Contr. F.* 38, 105 (1996) [doi:10.1088/0741-3335/38/2/001](https://doi.org/10.1088/0741-3335/38/2/001)
- **H. Zohm**, Dynamic Behaviour of the L-H Transition, *Phys. Rev. Lett.* 72, 222 (1994) [doi:10.1103/PhysRevLett.72.222](https://doi.org/10.1103/PhysRevLett.72.222)