

## Dr. Golo Fuchert



### Current position

Research Scientist in the Division “Stellarator Heating and Optimization” (E3), MPI for Plasma Physics, Greifswald (since 2015)

### Previous position

Postdoc Researcher, IJL, Université de Lorraine, Nancy (2014)

### Scientific degree

PhD in Physics, University of Stuttgart (2013)

### Recent research topics

Stellarator physics, core confinement, high-temperature plasma diagnostics, SOL turbulence

### Membership

Member of the Italian Society for Chaos and Complexity (SICC) (since 2017)

### Publications (5 most important)

- **G. Fuchert, S. A. Bozhakov, N. Pablant, K. Rahbarnia, Y. Turkin, et al.**, Global energy confinement in the initial limiter configuration of Wendelstein 7-X, *Nucl. Fusion* 58, 106029 (2018) [doi:10.1088/1741-4326/aad78b](https://doi.org/10.1088/1741-4326/aad78b)
- T. Nakel, D. G. Tekleyohans, Y. Mao, **G. Fuchert, D. Vo, et al.**, Triparental plants provide direct evidence for polyspermy induced polyploidy, *Nat. Commun.* 8, 1033 (2017) [doi:10.1038/s41467-017-01044-y](https://doi.org/10.1038/s41467-017-01044-y)
- **G. Fuchert, D. Carralero, P. Manz, U. Stroth, E. Wolfrum, et al.**, Towards a quantitative prediction of the blob detection rate, *Plasma Phys. Contr. F.* 58, 054006 (2016) [doi:10.1088/0741-3335/58/5/054006](https://doi.org/10.1088/0741-3335/58/5/054006)
- **G. Fuchert, G. Birkenmeier, M. Ramisch, U. Stroth**, Characterization of the blob generation region and blobby transport in a stellarator, *Plasma Phys. Contr. F.* 58, 054005 (2016) [doi:10.1088/41-3335/58/5/054005](https://doi.org/10.1088/41-3335/58/5/054005)
- **G. Fuchert, G. Birkenmeier, D. Carralero, T. Lunt, P. Manz, et al.**, Blob properties in L- and H-mode from gas-puff imaging in ASDEX Upgrade, *Plasma Phys. Contr. F.* 56, 125001 (2014) [doi:10.1088/0741-3335/56/12/125001](https://doi.org/10.1088/0741-3335/56/12/125001)