

Prof. Dr. Frank Jenko



Current positions

Director and Division Head “Tokamak Theory”, MPI for Plasma Physics, Garching (since 2017)
Professor, Technical University of Munich (since 2018)
Adjunct Professor, University of Texas at Austin, TX (since 2017)

Previous positions (two selected)

Full Professor, University of California, Los Angeles, CA (2014-2017)
Director, Plasma Science and Technology Institute, UCLA (2015-2016)

Scientific degrees

PhD in Physics, Technical University of Munich (1998)
Habilitation, University of Ulm (2005)

Recent research topics

Theoretical & computational plasma physics, fusion research, plasma astrophysics, high performance computing

Awards, honors, memberships

Fellow of the American Physical Society (2015)
Starting Grant by the European Research Council (2011)
Helmholtz Young Investigators Group (2005)

Publications (5 most important)

- J. Citrin, **F. Jenko**, P. Mantica, **D. Told**, C. Bourdelle et al., Ion temperature profile stiffness: non-linear gyrokinetic simulations and comparison with experiment, *Nucl. Fusion* 54, 023008 (2014) [doi:10.1088/0029-5515/54/2/023008](https://doi.org/10.1088/0029-5515/54/2/023008)
- **T. Görler**, A. E. White, **D. Told**, **F. Jenko**, C. Holland et al., A flux-matched gyrokinetic analysis of DIII-D L-mode turbulence, *Phys. Plasmas* 21, 122307 (2014) [doi:10.1063/1.4904301](https://doi.org/10.1063/1.4904301)
- **A. Bustos**, **A. Bañón Navarro**, **T. Görler**, **F. Jenko**, and C. Hidalgo, Microturbulence study of the isotope effect, *Phys. Plasmas* 22, 012305 (2015) [doi:10.1063/1.4905637](https://doi.org/10.1063/1.4905637)
- D. R. Hatch, M. Kotschenreuther, S. Mahajan, P. Valanju, **F. Jenko**, et al., Microtearing turbulence limiting the JET-ILW pedestal, *Nucl. Fusion* 56, 104003 (2016) [doi:10.1088/0029-5515/56/10/104003](https://doi.org/10.1088/0029-5515/56/10/104003)
- J. Garcia, **T. Görler**, and **F. Jenko**, Isotope and fast ions turbulence suppression effects: Consequences for high- β ITER plasmas, *Phys. Plasmas* 25, 055902 (2018); [doi:10.1063/1.5016331](https://doi.org/10.1063/1.5016331)