

Dr. Qingquan Yu



Current positions

Theoretician at MHD Group, MPI for Plasma Physics, Garching (since 2000)

Previous position

Theoretician at Institute of Plasma Physics, Chinese Academy of Sciences (1989-2000)

Scientific degree

PhD, University of Science and Technology of China, Hefei, Anhui (1989)

Recent research topics

Internal kink mode and Sawtooth crash, neoclassical tearing mode, resonant magnetic perturbations

Publications (5 most important)

- **Q. Yu, S. Günter, K. Lackner**, Formation of plasmoids during sawtooth crashes, *Nucl. Fusion* 54, 072005 (2014) [doi:10.1088/0029-5515/54/7/072005](https://doi.org/10.1088/0029-5515/54/7/072005)
- **Q. Yu, S. Günter, K. Lackner, M. Maraschek**, Seed island formation by forced magnetic reconnection, *Nucl. Fusion* 52, 063020 (2012) [doi:10.1088/0029-5515/52/6/063020](https://doi.org/10.1088/0029-5515/52/6/063020)
- **Q. Yu, S. Günter**, Plasma response to externally applied resonant magnetic perturbations, *Nucl. Fusion* 51, 073030 (2011) [doi:10.1088/0029-5515/51/7/073030](https://doi.org/10.1088/0029-5515/51/7/073030)
- **Q. Yu, S. Günter, K. Lackner**, Numerical modelling of sawtooth crash using two-fluid equations, *Nucl. Fusion* 55, 113008 (2015) [doi:10.1088/0029-5515/55/11/113008](https://doi.org/10.1088/0029-5515/55/11/113008)
- **Q. Yu.**, Linear and nonlinear stability of drift tearing mode, *Nucl. Fusion* 50, 025014 (2010) [doi:10.1088/0029-5515/50/2/025014](https://doi.org/10.1088/0029-5515/50/2/025014)