Prof. Dr. Arne Kallenbach *ORCID: 0000-0003-0538-2493*

Current positions
Head of the Project "ASDEX Upgrade Tokamak", MPI for Plasma Physics, Garching (since 2010)
Extraordinary Professorship, University of Hannover (since 2002)

Previous positions
Head (acting) of the Division "Tokamak: Edge and Divertor Physics" (E2), MPI for Plasma Physics, Garching (2007-2010)
Group Leader "Spectroscopy" at ASDEX Upgrade, MPI for Plasma Physics, Garching (1995-2006)

Scientific degrees
PhD in Physics, University of Hannover (1988)
Habilitation, University of Hannover (1995)

Recent research topics	Plasma power exhaust, tokamak scenario development, plasma-wall interaction
Awards, honors, memberships	STAC Member (since 2019) Nuclear Fusion Award (2018) Röntgen Award of the Justus Liebig University Giessen (1994)

Publications/Patents (5 most important)

- **A. Kallenbach, M. Bernert,** M. Beurskens, **L. Casali, M. Dunne**, et al., Partial detachment of high power discharges in ASDEX Upgrade, *Nucl. Fusion* 55, 053026 (2015), doi:10.1088/0029-5515/55/5/053026
- **A. Kallenbach, M. Bernert, R. Dux, F. Reimold, M. Wischmeier**, et al., Analytical calculations for impurity seeded partially detached divertor conditions, *Plasma Phys. Contr. F.* 58, 045013 (2016) doi:10.1088/0741-3335/58/4/045013
- **A. Kallenbach** for the ASDEX Upgrade Team and the EUROfusion MST1 team, Overview of ASDEX Upgrade results *Nucl. Fusion* 57, 102015 (2017), doi:10.1088/1741-4326/aa64f6
- **A. Kallenbach, H. J. Sun, T. Eich, D. Carralero, J. Hobirk**, et al., Parameter dependences of the separatrix density in nitrogen seeded ASDEX Upgrade H-mode discharges, *Plasma Phys. Contr. F.* 60, 045006 (2018) doi:10.1088/1361-6587/aaab21
- **A. Kallenbach, M. Bernert, R. Dux, T. Eich,** S. S. Henderson, et al., Neutral pressure and separatrix density related models for seed impurity divertor radiation in ASDEX Upgrade, *Nucl. Materials and Energy* 18, 166 (2019), doi:10.1016/j.jnme.2018.12.021