

**Current positions**

Group Leader “Plasma Wall Interactions” in the Division “Plasma Edge and Wall” (E2M), MPI for Plasma Physics, Garching (since 2014)

Deputy Division Head E2M (since 2014)

Professorship, Technical University Munich (since 2014)

Previous positions (two selected)

Adjunct Professorship, University of Tübingen (2011-2014)

Head of ITER Physics Department, European Fusion Development Agreement (EFDA), Garching (2012-2013)

Scientific degrees

PhD in Nuclear Physics, University of Tübingen (1992)

Habilitation in Experimental Physics, University of Tübingen (2004)

Recent research topics

Investigations on plasma wall interaction, development of advanced plasma facing materials and components

Awards, honors

selected for the ISI list of ‘Highly Cited Researchers’ in the category ‘Engineering’ (2014)

Publications (5 most important)

- **M. Balden, N. Endstrasser, P. W. Humrickhouse, V. Rohde, M. Rasinski**, et al., Collection strategy, inner morphology, and size distribution of dust particles in ASDEX Upgrade, *Nucl. Fusion* 54, 073010 (2014) [doi:10.1088/0029-5515/54/7/073010](https://doi.org/10.1088/0029-5515/54/7/073010)
- **R. Neu, J. Riesch, J. W. Coenen, J. Brinkmann, A. Calvo**, et al., Advanced tungsten materials for plasma-facing components of DEMO and fusion power plants, *Fusion Eng. Des.* 109–111, 1046 (2016) [doi:10.1016/j.fusengdes.2016.01.027](https://doi.org/10.1016/j.fusengdes.2016.01.027)
- **R. Neu, J. Riesch, A. v. Müller, M. Balden, J. W. Coenen**, et al., Tungsten fibre-reinforced composites for advanced plasma facing components, *Nuclear Materials and Energy* 12, 1308 (2017) [doi:10.1016/j.nme.2016.10.018](https://doi.org/10.1016/j.nme.2016.10.018)
- **R. Neu, H. Maier, M. Balden, S. Elgeti, H. Gietl**, et al., Investigations on tungsten heavy alloys for use as plasma facing material, *Fusion Eng. Des.* 124, 450 (2017) [doi:10.1016/j.fusengdes.2017.01.043](https://doi.org/10.1016/j.fusengdes.2017.01.043)
- **R. Neu, H. Maier, M. Balden, R. Dux, S. Elgeti**, et al., Results on the use of tungsten heavy alloys in the divertor of ASDEX Upgrade, *J. Nucl. Mater.* 511, 567 (2018) [doi:10.1016/j.jnucmat.2018.05.066](https://doi.org/10.1016/j.jnucmat.2018.05.066)