

**The ADAS Workshop**  
**9-11<sup>th</sup> December 2018**  
**Physikzentrum, Bad Honnef, Germany**

**Sunday 9<sup>th</sup> December**

19:00 Social Dinner

**Monday 10<sup>th</sup> December**

09:15 – 10:00 Martin O'Mullane  
Welcome, introduction of participants and agenda adoption.

**Session 1: General reports and new perspectives**

10:00 – 10:30 Dmitry Borodin  
tbc

10:30 – 11:00 Peter Bochsler  
Application of ADAS data for diagnostics of the solar wind

11:00 – 11:30 Coffee break

11:30 – 12:00 Diana Naydenkova  
COMPASS-upgrade and possible spectroscopic measurements

12:00 – 12:30 Adam Foster  
Atomic Data requirements for upcoming X-ray missions

12:30 - 14:00 Lunch

**Session 2: Tungsten and molecules**

14:00 – 14:30 Stephan Ertmer  
High resolving spectroscopy on high Z materials at the linear plasma device PSI-2

14:30 – 15:00 Alina Eksaeva  
Validation of the new MS-resolved ADAS dataset for W by ERO2.0 simulation of spectroscopy at PSI-2 linear plasma device

15:00 - 15:30 Stuart Loch  
Update on atomic data for neutral W for applications in high-Z PFCs.

15:30 - 16:00 Coffee break

- 16:00 – 16:30 Ewa Pawelec  
Molecular bands in JET plasma - modelling and experimental data
- 16:30 – 17:00 Ioan Schneider  
Electron-driven reactivity of molecular cations: H<sub>2</sub><sup>+</sup>, BeH<sup>+</sup>, CH<sup>+</sup>, ArH<sup>+</sup> and He<sub>2</sub><sup>+</sup>
- 18:00 - 18:45 Steering committee meeting
- 19:00 Dinner

## Tuesday 11th December

### Session 2: Uncertainty in data and models

- 09:00 - 09:30 Kerry Lawson  
D and He atomic physics data used in the EDGE2D code
- 09:30 - 10:00 Stuart Loch  
Assigning uncertainties on fundamental atomic data
- 10:00 - 10:30 Martin O'Mullane  
Intermediate coupling GCR population model
- 10:30 - 11:00 Simon Preval  
Noble-Gas Recombination Rate Coefficients for use in modelling astrophysical, and magnetically confined fusion plasmas
- 11:00 - 11:30 Coffee break
- 11:30 - 12:00 Yang Yang  
W and Mo spectroscopy of EBIT relevant to Fusion plasma
- 12:00 - 12:30 Karol Koziol  
Multi-Configuration Dirac-Hartree-Fock and Configuration-Interaction study of 4d-3p x-ray transitions in Cu- and Ni-like tungsten ions relevant to the diagnostic of high-temperature tokamak plasmas
- 12:30 - 13:00 Remy Guirlet  
tbc
- 13:00 - 14:30 Lunch

### Final session: ADAS matters

- 14:30 - 15:30 Martin O'Mullane  
Update on ADAS codes, new data, OPEN-ADAS and activities
- 15:30 - 16:30 All  
General discussion on the role and future of ADAS/ADAS consortium in fusion.