The ADAS Workshop 9-11th December 2018 Physikzentrum, Bad Honnef, Germany

Sunday 9th December

19:00 Social Dinner

Monday 10th December

09:15 – 09:30 Martin O'Mullane Welcome, introduction of participants and agenda adoption.

Session 1: General reports and new perspectives

09:30 - 10:00	Oleksandr Marchuk Atom-atom collisions at plasma surface interface as the most natural mirror laboratory and application for ITER
10:00 - 10:30	Peter Bochsler Application of ADAS data for diagnostics of the solar wind
10:30 - 11:00	Diana Naydenkova COMPASS-upgrade and possible spectroscopic measurements
11:00 - 11:30	Coffee break
11:30 - 12:00	Adam Foster Atomic Data requirements for upcoming X-ray missions
12:00 - 12:30	Martin O'Mullane Intermediate coupling GCR population model

12:30 - 14:00 Lunch

Session 2: Molecules and Tungsten

14:00 - 14:30	Ewa Pawelec
	Molecular bands in JET plasma - modelling and experimental data
14:30 - 15:00	Ioan Schneider
	Electron-driven reactivity of molecular cations: H2+, BeH+, CH+, ArH+ and He2+
15:00 - 15:30	Aleksander Drenik
	Ammonia formation in N2-seeded discharges at JET and ASDEX Upgrade

16:00 - 16:30	Stephan Ertmer
	High resolving spectroscopy on high Z materials at the linear plasma device PSI-2
16:30 - 17:00	Alina Eksaeva
	Validation of the new MS-resolved ADAS dataset for W by ERO2.0 simulation of
	spectroscopy at PSI-2 linear plasma device
17:30 - 18:00	Stuart Loch
	Update on atomic data for neutral W for applications in high-Z PFCs.
18:15 - 18:45	Steering committee meeting (closed session)
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	Simon Preval
	Noble-Gas Recombination Rate Coefficients for use in modelling astrophysical,
	and magnetically confined fusion plasmas
10:30 - 11:00	Rémy Guirlet
	tbc
11.00 11.20	Coffee breek
11:00 - 11:30	Сопее ргеак
11:30 - 12:00	Dmitriy Borodin
	Atomic and molecular data needed for interpretation of plasma-surface
	interaction experiments
12:00 - 12:30	Yang Yang
	W and Mo spectroscopy of EBIT relevant to Fusion plasma
12:30 - 13:00	Karol Kozioł
	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

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.

End of workshop Depart or Dinner at 19:00

Wednesday 12th December

- 9:00 Depart for seminar at Forschungszentrum Jülich.
- 11:00 Stuart Loch

Plasma spectral diagnostics for applications in fusion, astrophysical, and low temperature laboratory environments