

THE 17TH ADAS WORKSHOP
23-25 September 2012
Château de Cadarache

PRELIMINARY AGENDA

Sun. 23 Sept.

18:00 Evening welcome and buffet.

Mon. 24 Sept.

8:30 Welcome from IRFM
A. Bécoulet Head of the Institut de Recherche sur la Fusion Magnétique

08.50–08.55 Adjustments and ratification of the agenda.

1st session: Overview of activities from the labs
09.00-10.20 Chairman: R. Dux

R. Guirlet	Activities in IRFM	20'
M. Walsh	ITER	20'
V. Stancalie	INFLPR	20'
M. Reinke	Alcator C-Mod	20'

Discussion

10:30 Coffee

2nd session: Molecular models and data
10.50-12.20 Chairman: Y. Marandet

R. Celiberto	Production and compilation molecular data	20'
D. Borodin	Atomic and molecular Be data in ERO for simulation of experiments at JET and PISCES-B	20'
D. Tskhakaya	Molecular data in tokamak edge modelling	20'
I. Schneider	Electron-cation and atom-molecule reactive collisions in the cold regions of the fusion plasmas	20'
F. Guzmán	New molecular CR model in ADAS	20'

Discussion

12:30 Lunch

3rd session: High Z elements – the theory.
13.30-14.30 Chairman: H.P. Summers

N. Badnell	Dielectronic recombination of complex heavy ions	20'
P. Palmeri	Atomic data for lowly charged W ions	20'
K. Aggarwal	Atomic data for Ti ions	20'

Discussion

4th session: *High Z elements – in practice.*
14.30-15.30 Chairman: R. Hutton

I. Coffey	<i>W core spectroscopy for the ITER-like wall at JET</i>	20'
S. Brezinsek	<i>W source spectroscopy for the ITER-like Wall on JET</i>	20'
S. Schippers	<i>Measuring DR cross sections</i>	20'

Discussion

15:30 Coffee

5th session: *Aspects of atomic physics in Astrophysics*
15.50-16.50 Chairman: N. Badnell

N. Brickhouse	<i>Diagnosing the Shock from Accretion onto a Young Star</i>	20'
G. Ferland	<i>Calculating the radiative cooling function for astrophysical plasmas</i>	20'
T. Gorczyca	<i>DR calculations for M-shell ions</i>	20'

Discussion

17:15-17.45 ADAS steering committee

20.00 Evening meal

Tue. 25 Sept.

1st session: *Overview of activities from the labs II*
8.50-10.30 Chairman: K. Behringer

R. Barnsley	<i>Spectroscopy diagnostics in ITER</i>	20'
M. Nornberg	<i>Aluminum impurity measurements in MST</i>	20'
D. Kilbane	<i>EUV spectra from NIST-EBIT</i>	20'
B. Crowley	<i>Species Measurements on the MAST NBI system</i>	20'

Discussion

10.30 Coffee

2nd session: *Atomic physics and fusion plasma diagnostics*
10.50-12.30 Chairman: K.-D. Zastrow

J. Rosato	<i>H-Balmer spectrum modelling</i>	20'
D. Naydenkova	<i>Spectroscopic diagnostics on COMPASS</i>	20'
K. Behringer	<i>A few comments on opacity calculations using ADAS214</i>	20'
D. Vézinnet	<i>Real time Soft X-ray for impurity density profiles</i>	20'

Discussion

12.30 Lunch

3rd session: *Developments in CX data*
13.30-14.50 Chairman: N. Conway

J. Suárez	<i>Recommended Excitation cross sections</i>	20'
R. Dux	<i>Argon AOCC data</i>	20'
T. Schlummer	<i>CX data for W7X</i>	20'
L. F. Menchero	<i>MSE models</i>	20'

Discussion

15.00 Coffee

4th session: *ADAS summary*
15.20-16.50 Chairman: Martin O'Mullane

M. O'Mullane	<i>Highlights of the new ADAS release</i>	15'
A. Giunta	<i>New data in ADAS in support of GCR</i>	15'
H. Summers	<i>Report on ADAS-EU</i>	15'

General Discussion to include grumbles, complaints, wishes and maybe praise.

M.O'Mullane, L.F. Menchero, F. Guzmán, A. Giunta and H. P. Summers

19.30 Evening meal

Wed. 26 Sept.

10:00 Visit to ITER site
Departure