

## Agenda, ITPA DivSOL meeting in Prague, Monday, October 21st 2024

### DSOL-47, DSOL-48, DSOL-49, DSOL-45, DSOL-37

Aimed time	Local Time	DSOL session, title of talk	Presentation time	Question time	Chair	Speaker
8:15	8:15	Opening session			Juergen Rapp	
	8:15	Opening words and short guidance	0:10			Juergen Rapp
	8:25	Logistics	0:10			David Tshkakaya
8:35	8:35	<b>DSOL-47</b>			Volker Rohde	
	8:35	DSOL-47 intro	0:05			Volker Rohde
	8:40	Simulation of GD during boronization	0:12	0:03		Tom Wauters
	8:55	B layers in PSI-2 and TOMAS: deposition, characterization and plasma erosion	0:12	0:03		Anne Houben
	9:10	Preparation of boronization experiments in AUG and WEST	0:12	0:03		Volker Rohde
	9:25	<b>DSOL-48</b>			Florian Effenberg	
9:25	9:25	DSOL-48 intro	0:05			Florian Effenberg
	9:30	Multimachine scaling of B mass injection	0:12	0:03		Alessandro Bortolon
	9:45	Wall conditioning effects of SBI in KSTAR	0:12	0:03		Hanna Schamis
	10:00	Update on IPD real-time boronization in EAST	0:12	0:03		Zhe Wang
	10:15	Integrated modeling of SBI in DIII-D and ITER	0:12	0:03		Florian Effenberg
	10:30	<b>Coffee break</b>	0:30			
11:00	11:00	<b>DSOL-49</b>			Suguru Masuzaki	
	11:00	DSOL-49 intro	0:05			Suguru Masuzaki
	11:05	Fuel retention in WEST: link with boronization	0:12	0:03		Emmanuelle Tsitrone
	11:20	LIBS results in TOMAS	0:12	0:03		Sebastijan Brezinsek
	11:35	Boron film and powder laboratory experiments	0:12	0:03		Alessandro Bortolon
	11:50	Boron layer experiments in Magnum-PSI	0:12	0:03		Tom Morgan
	12:05	<b>DSOL-45</b>			David Douai	
12:05	12:05	DSOL-45 intro	0:05			David Douai
	12:10	Hydrogen removal by He-ECWC in the Integrated Commissioning Phase of JT-60SA	0:12	0:03		Masakatsu Fukumoto
	12:25	Results from boronization assisted ICWC on EAST with full metal wall	0:12	0:03		Yanhong Guan
	12:40	1D modelling of ECH plasmas: a comparison between TOMATOR1D and SOLPS-ITER codes	0:12	0:03		Anthony Piras
	12:55	<b>Lunch break</b>	1:00			
13:55	13:55	<b>Panel discussion: wall conditioning and boronization</b>	2:30		Suguru Masuzaki	
	16:25	<b>Coffee break</b>	0:30			
	16:55	<b>DSOL-37</b>			Manni Jia	
16:55	16:55	DSOL-37 intro	0:05			Manni Jia
	17:00	Progress of DSOL37 joint experiments in EAST	0:12	0:03		Hua Yang
	17:15	Progress of experiments with RMPs in the HL-3 tokamak	0:12	0:03		Dongmei Fan
17:30	<b>Adjourn</b>					

# Agenda, ITPA DivSOL meeting in Prague, Tuesday, October 22nd 2024

## DSOL-41, DSOL-43, DSOL-40 / DSOL-34

	Local Time	DSOL session, title of talk	Presentation time	Question time	Chair	Speaker
Aimed time	8:30	8:30 DSOL-41			Adam McLean	
		8:30 DSOL-41 intro	0:05			Sven Wiesen
		8:35 JET DTE3 detachment neon seeding	0:12	0:03		Nicola Vianello or Sven Wiesen
		Heat load control with Supersonic Molecular beam injection in HL-2A				
		8:50 and HL-3	0:12	0:03		Guoliang Xiao
		9:05 Long legged divertor detachment in DIII-D	0:12	0:03		Morgan Shafer
		Modeling of detachment dynamics in a closed chimney-pumped divertor				Andreas Holm / Mathias Groth
		9:20 in DIII-D	0:12	0:03		
		9:35 XPR in EAST	0:12	0:03		Kai Wu
		9:50 XPR detachment in JET	0:12	0:03		Matthias Bernert
	10:05					
	10:20	10:05 Coffee break	0:30			
		10:35				
	10:50	10:35 DSOL-43			David Eldon	
		10:35 DSOL-43 intro	0:05			Matthias Bernert
		10:40 Detachment control, ITER needs	0:12	0:03		Timo Ravensbergen
		10:55 Detachment control MAST-U, resilience against T-cliff	0:12	0:03		Lennard Ceelen
		11:10 Comparison of detachment control from JET to AUG	0:12	0:03		Thomas Bosman
		11:25 Dynamic response model of the detachment feedback control on EAST	0:12	0:03		Kai Wu
		11:40 Model-based control strategies for managing actuator latency	0:12	0:03		Anchai Gupta
		KSTAR detachment control design progress including a surrogate model				
		as a control observer and MIMO support	0:12	0:03		KyuBeen Kwon
		11:55				
		12:10				
	12:10	12:10 DSOL-40/DSOL-34			Michael Faitsch	
		12:10 DSOL-40 intro	0:05			Michael Faitsch
		12:15 Experimental ELM buffering in JET and PIC simulations for AUG	0:12	0:03		Michael Komm
		12:30 PIC simulations of ELM buffering for AUG	0:12	0:03		David Tskhakaya
		12:45				
	12:45	12:45 Lunch break	1:00			
		13:45				
	13:45	13:45 DSOL-40/DSOL-34 continued			Nicola Vianello	
		13:45 The QCE regime in JET	0:12	0:03		Michael Faitsch
		14:00 Separatrix analysis in C-mod	0:12	0:03		Andres Miller
		14:15 Report on the ITPA Joint Experiment on Small ELMs, PEP-DSOL-1	0:12	0:03		Xuequiao Xu
		14:30				
	14:30	14:30 Coffee break	0:30			
		15:00				
	15:00	15:00 Panel discussion: SOL and boundary transport	2:45		Adam McLean	
		17:45				
	18:00	17:45 Adjourn				

# Agenda, ITPA DivSOL meeting in Prague, Wednesday, October 23rd 2024

## DSOL-34, DSOL-50, DSOL-51, DSOL-46

	Local Time	DSOL session, title of talk	Presentation time	Question time	Chair	Speaker
Aimed time	8:30	DSOL-34			Nicola Vianello	
	8:30	DSOL-34 intro	0:15			Nicola Vianello
	8:45	Far SOL transport on DIII-D in different ELMing regimes The edge turbulence transition and related SOL	0:12	0:03		Renato Perillo
	9:00	transport towards high density operation New insights into the physics of the H-mode density limit (HDL) on JET and through highly resolved edge	0:12	0:03		Ning Yan
	9:15	profile measurements	0:12	0:03		Christian Perez von Thun
	9:30	DSOL-50			Wouter Tierens	
	9:30	DSOL-50 intro	0:10			Wouter Tierens
	9:40	Tungsten gross erosion and plasma impurity contamination in WEST: insight from ICRF heated L-mode plasmas RF codes benchmark and validation against	0:12	0:03		Nicolas Fedorczak
	9:55	experiments with 3-strap antenna in AUG	0:12	0:03		Guillaume Urbanczyk
	10:10	RF codes benchmark on WEST	0:12	0:03		Wouter Tierens
	10:25	Petra-M modeling of the W7-X ICRF antenna	0:12	0:03		Syun'ichi Shiraiwa
	10:40	Coffee break	0:30			
	11:10	DSOL-51			Karl Krieger	
	11:10	DSOL-51 intro	0:10			Karl Krieger
	11:20	ERO2.0	0:12	0:03		Christoph Baumann
	11:35	Eirene-TIM	0:12	0:03		Derek Harting
	11:50	DIVIMP	0:12	0:03		Henri Kumpulainen
	12:05	GITR, GITRm	0:12	0:03		Tim Younkin
	12:20	JINTRAC's impurity transport assumptions	0:12	0:03		Jaegon Lee
	12:35	DSOL-46			Sebastijan Brezinsek	
	12:35	DSOL-46 intro	0:10			Rui Ding
	12:45	Erosion of tungsten in JET-ILW deuterium and tritium plasmas	0:12	0:03		Henri Kumpulainen
	13:00	Lunch break	1:00			
	14:00	DSOL-46 continued			Sebastijan Brezinsek	
	14:00	Update on CXN studies in EAST Updates on CXN neutral measurements with MEMS	0:12	0:03		Jin Guo
	14:15	sensor technology	0:12	0:03		Ryan Hood
	14:30	Fast ion losses and impact on W sources	0:12	0:03		Antti Snicker
	14:45	Coffee break	0:30			
	15:15	Panel discussion: tungsten sources and transport	2:30		Klaus Schmid	
	17:45	Adjourn				
	19:30	Workshop dinner at Cerveny Jelen				

## Agenda, ITPA DivSOL meeting in Prague, Thursday, October 24th 2024

### DSOL-39, DSOL-44

	Local Time	DSOL session, title of talk	Presentation time	Question time	Chair	Speaker
Aimed time	8:30	<b>DSOL-39</b>			Richard Pitts	
		8:30 DSOL-39 intro	0:05			Richard Pitts
		8:35 Latest ITER modeling on RE	0:12	0:03		Svetlana Ratynskaia
		8:50 Toroidal gap melting experiment on WEST	0:12	0:03		Yann Corre
		9:05 Damage of W PFCs by transient heat flux on EAST	0:12	0:03		Dahuan Zhu
		RE damage on WEST and associated radioprotection analysis	0:12	0:03		Emmanuelle Tsitrone
		9:35 Plans for RE impact experiments on AUG and WEST	0:12	0:03		Yann Corre
		9:50 First report on 2nd DIII-D RE DiMES exposure	0:12	0:03		Richard Pitts
		10:05				
		10:05 <b>Coffee break</b>	0:30			
		10:35				
		10:35 <b>DSOL-44</b>			Emmanuelle Tsitrone	
		10:35 DSOL-44 intro	0:05			Emmanuelle Tsitrone
	The low-cycle thermal fatigue cracking of plasma-facing tungsten due to strike point sweeping	0:12	0:03		James Hargreaves	
	Observations of W cracking on leading edges of WEST phase I non-beveled monoblocks and comparison with simulations of crack initiation and propagation	0:12	0:03		Yann Corre	
	10:55 First observations of W cracking on top surfaces of WEST phase 2 beveled monoblocks	0:12	0:03		Emmanuelle Tsitrone	
	11:10 Testing of DTT mock up under a high number of pulses in Gladis	0:12	0:03		Johann Riesch	
	11:25					
	11:40 <b>Panel discussion: PFC damage and lifetime</b>	1:20		Marius Wirtz		
	13:00					
	13:00 Closing of DSOLs	0:20		Juergen Rapp		
	13:20 Meeting closing	0:10		Juergen Rapp		
	13:30					
	13:30 Adjourn					