

Agenda, ITPA DivSOL meeting in Kyoto, Monday, February 26th 2024

Meeting format	Local Time	DSOL session, title of talk	Time	Chair	Speaker
hybrid	9:15	Opening session Logistics	10	Rapp	Kado
	9:25	DSOL-33: He operations in devices with metallic walls Summary talk Discussion	15 5	Brezinsek	Brezinsek
	9:45	DSOL-34: Far-SOL fluxes and their link to detachment Summary talk Characterization of SOL density profiles and turbulence by ICRF sheath in EAST Ti and Te at separatrix and SOL in AUG and TCV Discussion	20 15 15 10	Vianello	Vianello You Li Cavedon
	10:45	Coffee break			
	11:05	DSOL-37: Effects of 3-D fields on divertor conditions and PWI Introduction Progress on EAST in support of ITER research plan Discussion of re-aligning of task	5 15 10	Jakubowski/Jia	Jia Hua Yang
	11:35	DSOL-45: Efficiency and optimization of ECWC Introduction Summary of the JET ICWC experience with the Be wall QUEST Ne-ECWC ICWC on SPARC Discussion	5 15 15 15 10	Wauters	Wauters Wauters/Douai Fukumoto Kuang
	12:35	Lunch break			
	13:35	DSOL-44: Operational limits for divertor components due to formation of macro-cracks Update of work and implications of extending tungsten to whole wall First observation of evolution of a self-castellated monoblock after exposure in WEST Interface cracking damage of W/Cu monoblock in EAST Discussion	10 15 15 10	Tsitrone	Tsitrone Durif Zhu
	14:25	DSOL-46: CX neutral-induced first wall erosion Introduction EAST experiments, CXN (incl modelling) JET modeling CXN Modeling of W erosion and influence of CX neutrals and ion energy distributions Evaluation of a macroscopically textured wall tile for reduced net erosion and impurity release Discussion	5 15 15 15 15 20	Ding/Brezinsek	Ding Guo Brezinsek/Groth Romazanov Coburn
	15:50	Coffee break			
	16:10	DSOL-39: Transient induced melting of metal PFCs Introduction Update on MDC-DSOL-1: runaway electron power deposition on PFCs Modeling of DIII-D runaway electron deposition experiment MEMENTO modeling of ELM-induced ITER divertor monoblock top surface melting Report on the WEST toroidal gap experiment in the C7 campaign Discussion	5 15 15 15 15 20	Krieger	Krieger/Pitts Hollmann Rizzi/Ratynskaia Paschalidis Corre
	17:35	ITER session ITER status and IO requests to ITPA DivSOL W limiter start-up Questions/Answers	25 15 20	Wauters	Wauters Pshenov
	18:35	Status of NF special issue	10		Krieger
	18:45	Adjourn			

Agenda, ITPA DivSOL meeting in Kyoto, Tuesday, February 27th 2024

Meeting format	Local Time	DSOL session, title of talk	Time	Chair	Speaker	
hybrid	9:15	New DSOL-47: Boronization by GDC		Rohde		
		Boronization on AUG	15		Rohde	
		Investigation of boronizations in the TOMAS device	15		Houben	
		Boronization on LHD	15		Masuzaki	
		Experience of boronizations on DIII-D using diborane	15		Bykov	
		Experience with boronization at WEST: procedure, impact on plasma and properties of the deposited layers	15		Tsitrone	
		Discussion	15			
	10:45	Coffee break				
	11:05	New DSOL-49: Fuel retention due to boronization and removal		Masuzaki		
		Introduction	5		Masuzaki	
		Boronization in AUG: layer removal and long term D retention	15		Rohde	
		Fuel retention in WEST from post mortem analysis: link with boronization	15		Tsitrone	
		Deuterium retention and release of DIII-D boronized coatings	15		Abe	
		TOMAS ICWC experiments on boron sampe exposures	15		Goriaev	
		Review of H interation with B and B-C systems	15		Gasparian	
		Discussion	15			
	12:40	Lunch break				
	13:40	New DSOL-48: Boron dropper		Effenberg		
		Introduction	5		Effenberg	
		Tokamaks: results & capabilities	15		Bortolon	
		Stellarators & heliotrons: results and capabilities	15		Lunsford	
	Solid boron injection for high-performance plasma in EAST with full metal wall	15		Zuo		
	Modeling of solid boron injection	15		Effenberg		
	Discussion	15				
15:00	New DSOL-50: ICRF driven W sources		Tierens			
	Introduction	5		Tierens		
	First results and future plans for ICRH on W7-X	15		Crombe		
	Investigation of ICRF-specific impurities on EAST	15		Zhang		
	3D fullwave modeling of near and far field ICRF rectified potential simulation: result on existing experiments and future perspective	15		Shiraiwa		
	WEST	15		Colas		
	Discussion	15				
16:20	Coffee break					
16:40	New DSOL-51: W transport in SOL and into pedestal		Krieger			
	Introduction and overview over published W screening and boundary transport studies	15		Krieger		
	Predictive WallDyn modelling of W screening and W self-sputterin	15		Schmid		
	SOLEGE/ERO2.0 interpretative modelling of tungsten screening and migration in WEST	15		Fedorczak or Rivals		
	Predictive and interpretative modelling of tungsten transport with W transport modelling (e.g. SOLPS-ITER or IMPGYRO)	15		Romazanov		
	Discussion	15		Yamoto		
18:10	Open discussion on new DSOLs		50	Rapp		
19:00	Adjourn					

Agenda, ITPA DivSQL meeting in Kyoto, Wednesday, February 28th 2024

Meeting format	Local Time		Time	Chair	
	9:15	Breakout on boronization and fuel retention/removal Discussion of current knowledge Lead: Rohde, Scribe: Wauters	Breakout on tungsten sources including effects of boron Discussion of current knowledge Lead: Brezinsek, Scribe: Rapp	Breakout on tungsten transport Discussion of current knowledge Lead: Krieger, Scribe: Wiesen	115
	11:10	Coffee break			
	11:30	Breakout on boronization and fuel retention/removal Drafting answers to IO questions Lead: Rohde, Scribe: Wauters	Breakout on tungsten sources including effects of boron Drafting answers to IO questions Lead: Brezinsek, Scribe: Rapp	Breakout on tungsten transport Drafting answers to IO questions Lead: Krieger, Scribe: Wiesen	75
	12:45	Lunch break			
	13:45	Breakout on boronization and fuel retention/removal Drafting answers to IO questions Lead: Rohde, Scribe: Wauters	Breakout on tungsten sources including effects of boron Drafting answers to IO questions Lead: Brezinsek, Scribe: Rapp	Breakout on tungsten transport Drafting answers to IO questions Lead: Krieger, Scribe: Wiesen	45
hybrid	14:30	Status report on boronization and draft answers to IO			
	14:50	1 hr Open discussion on draft answers to IO			60 Nakano
	15:50	Coffee break			
	16:10	Status report on tungsten sources and draft answers to IO			
	16:30	1 hr Open discussion on draft answers to IO			60 Wauters
	17:30	Status report on tungsten transport and draft answers to IO			
	17:50	1 hr Open discussion on draft answers to IO			60 Wiesen
	18:50	Adjourn			
		Conference Dinner			

Agenda, ITPA DivSOL meeting in Kyoto, Thursday, February 29th 2024

Meeting format	Local Time	Time	Chair
	Breakout on boronization and fuel retention/removal Defining prioritized R&D needs Cross cutting DSOLs 45, 47, 48, 49 Lead: Masuzaki, Scribe: Wauters	Breakout on tungsten sources including effects of boron Defining prioritized R&D needs Cross cutting DSOLs 34, 37, 39, 44, 46, 4 Lead: Ding, Scribe: Rapp	Breakout on tungsten transport Defining prioritized R&D needs Cross cutting DSOLs 34, 37, 51 Lead: Schmid, Scribe: Wiesen
	11:15 Coffee break		120
hybrid	11:35 Boronization R&D actions		20
	11:55 Tungsten sources R&D actions		20
	12:15 Tungsten transport R&D actions		20
	12:35 General discussion		20 Rapp
	12:55 Next meeting/close-out		5 Rapp
	13:00 Adjourn		