

Agenda for the 20th European Fusion Physics Workshop
3rd – 5th December 2012, Hotel Vila Galé, Ericeira, Portugal
Power Exhaust in Fusion Devices: from Conventional to Innovative Solutions

Monday 3rd of December 2012

Start	Finish	Time Allocated	Title of the Presentation	Presenter
08:30	08:40	00:10	Welcome and Introduction	
Session I: Power exhaust issues for ITER and DEMO				
08:40	08:50	00:10	Introduction	Emmanuelle Tsitrone (CEA)
08:50	09:20	00:30	High priority issues for ITER power exhaust	Richard Pitts (ITER)
09:20	09:45	00:25	Addressing power exhaust issues in plasma simulators and high heat flux facilities	Gregory de Temmerman (DIFFER)
09:45	10:10	00:25	Control and operational aspects of power exhaust	Jérôme Bucalossi (CEA)
10:10	10:40	00:30	Coffee Break	
10:40	11:10	00:30	Power exhaust for DEMO : the step from ITER	Chris Lowry (EFDA)
11:10	11:35	00:25	Limitations of the radiative divertor	Arne Kallenbach (IPP)
11:35	12:30	00:55	Discussion	Emmanuelle Tsitrone (CEA)
12:30	14:00	01:30	Lunch Break	
Session II: Advances in technologies for power exhaust solutions				
14:00	14:15	00:15	Introduction	Michael Rieth (KIT)
14:15	14:40	00:25	From ITER to DEMO, Water cooled divertor	William Timmis (CCFE)
14:40	15:05	00:25	Selected divertor studies and experiments	Jens Reiser (KIT)
15:05	15:30	00:25	Divertor design studies	Antonella Li Puma (CEA)
15:30	16:00	00:30	Coffee Break	
16:00	16:25	00:25	R&D activities on divertor technology	Eliseo Visca (ENEA)
16:25	16:50	00:25	High heat flux behaviour and other material issues	Hans Maier (IPP)
16:50	17:15	00:25	Armour material tests at JUDITH	Gerald Pintsuk (FZJ)
17:15	18:00	00:45	Discussion	Michael Rieth (KIT)

Dinner

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Tuesday 4th of December 2012

Start	Finish	Time Allocated	Title of the Presentation	Presenter
Session III: Innovative exhaust magnetic configurations (snow flake, super-x, etc ...)				
08:30	08:45	00:15	Introduction	William Morris (CCFE)
08:45	09:10	00:25	Advanced configuration magnetic design (and control)	Roberto Ambrosino (ENEA)
09:10	09:35	00:25	Cross-field transport processes from the X-point to divertor target	Ben Dudson (York, CCFE)
09:35	10:00	00:25	The role of stellarators in finding plasma exhaust solutions	Yuehe Feng (IPP)
10:00	10:30	00:30	Coffee Break	
10:30	10:55	00:25	Status of experimental snowflake configurations worldwide	Basil Duval (CRPP)
10:55	11:20	00:25	Divertor configurations, results and plans on TCV	Holger Reimerdes (CRPP)
11:20	11:45	00:25	Divertor configurations and plans on MAST	Hendrik Meyer (CCFE)
11:45	12:30	00:45	Discussion	William Morris (CCFE)
12:30	14:00	01:30	Lunch Break	
Session IV: Liquid metal plasma facing components				
14:00	14:10	00:10	Introduction	Giuseppe Mazzitelli (ENEA)
14:10	14:35	00:25	Research on liquid Lithium as alternative target material - status and perspectives for power exhaust and plasma- surface interactions	Bernhard Unterberg (FZJ)
14:35	15:00	00:25	Lithium retention: is a problem ?	Paco Tabares (CIEMAT)
15:00	15:25	00:25	An experimental review of liquid gallium as PFC	Rui Gomes (IST)
15:25	15:55	00:30	Coffee Break	
15:55	16:20	00:25	Magnetohydrodynamic issues for liquid metal plasma facing components	Chiara Mistrangelo (KIT)
16:20	16:45	00:25	Alternative liquid metals as PFC: status and perspectives	Jan Coenen (FZJ)
16:45	17:10	00:25	Possible technical solution for liquid divertor for DEMO	Mike Jaworski (PPPL)
17:10	18:00	00:50	Discussion	Giuseppe Mazzitelli (ENEA)

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Wednesday 5th of December 2012

Start	Finish	Time Allocated	Title of the Presentation	Presenter
Session V: Integrated modelling of plasma exhaust				
08:30	08:40	00:10	Introduction	Marco Wischmeier (IPP)
08:40	09:00	00:20	Status report on 2D and 3D SOL modelling	Derek Harting (CCFE)
09:00	09:20	00:20	WallDYN: coupling the surface evolution to the plasma	Klaus Schmid (IPP)
09:20	09:45	00:25	Integrated Modelling of Core Edge SOL: review of present status	Michele Romanelli (CCFE)
09:45	10:00	00:15	Towards a change of paradigm in edge transport simulations: status and prospects of turbulence and PIC codes	Patrick Tamain (CEA)
10:00	10:30	00:30	Coffee Break	
10:30	12:30	02:00	Discussion	Marco Wischmeier (IPP)
12:30	14:00	01:30	Lunch Break	