



Agenda

19th Coordinated Working Group Meeting (SpreePalais am Dom, Berlin, Germany, March 12-14, 2019)

GMT+1 GMT-4 GMT+9
 Local EDT JST Local EDT JST

TUESDAY 12.03.2019 - Meeting room K1 A+B

Presentation: <https://tv.euro-fusion.org/channel2/home> (Presentation Password: show)

Video-conference nr. (H.323): 004910097920062 or Zoom: <https://zoom.us/j/536342660>

08:45	03:45	16:45	09:00	04:00	17:00					
							Arrival			
09:00	04:00	17:00	09:05	04:05	17:05	Dinklage (IPP)	Welcome, Logistics	5		on-site
09:05	04:05	17:05	09:20	04:20	17:20	Dinklage (IPP)	Objectives and Goals	15		on-site
09:20	04:20	17:20	09:30	04:30	17:30	Jakubowski (IPP)	Divertor/Edge Physics: Goals and Potentials for International Collaborations	10		
09:30	04:30	17:30	09:50	04:50	17:50	Masuzaki (NIFS)	Divertor results from LHD D campaign	15	5	remote (Japan)
09:50	04:50	17:50	10:10	05:10	18:10	Jakubowski (IPP)	Detachment results in recent W7-X campaign	15	5	on-site
10:10	05:10	18:10	10:30	05:30	18:30	Hammond (IPP)	Effects of edge drifts on divertor	15	5	remote (Germany)
10:30	05:30	18:30	10:50	05:50	18:50		Coffee	20		
10:50	05:50	18:50	11:10	06:10	19:10	Effenberg (U Wisconsin)	Impurity Seeding for Radiative Power Exhaust in the W7-X Island Divertor	15	5	remote (Germany)
11:10	06:10	19:10	11:30	06:30	19:30	Winters (U Wisconsin)	Preliminary results on the density dependence of carbon radiation in W7-X	15	5	remote (Germany)
11:30	06:30	19:30	11:50	06:50	19:50	Pelka (IPPLM)	Latest results from Findiff	15	5	on-site
11:50	06:50	19:50	12:00	07:00	20:00	Jakubowski (IPP)	Divertor/Edge Physics: Discussion - Actions and Ideas for Future Collaborations	10		
12:00	07:00	20:00	13:10	08:10	21:10		Lunch	70		
13:10	08:10	21:10	13:20	08:20	21:20	Lazerson (PPPL)	Fast Ions: Goals and Potentials for International Collaborations	10		
13:20	08:20	21:20	13:40	08:40	21:40	Ogawa (NIFS)	Energetic-ion confinement studies by comprehensive neutron/fast-ion diagnostics in LHD	15	5	on-site
13:40	08:40	21:40	14:00	09:00	22:00	Nuga (NIFS)	Estimation of fast ion confinement time in LHD by using neutron measurement	15	5	on-site
14:00	09:00	22:00	14:20	09:20	22:20	Goncharov (U St Petersburg)	Neutron Yield and Spectra	15	5	on-site
14:20	09:20	22:20	14:40	09:40	22:40	Akaslompolo (IPP)	Results from the first W7-X fast ion experiments	15	5	remote (Germany)
14:40	09:40	22:40	15:00	10:00	23:00	Cappa (CIEMAT)	Impact of ECRH on fast ion driven modes in stellarators and contribution to ITPA-EP activities	15	5	remote (Spain)
15:00	10:00	23:00	15:20	10:20	23:20	Bader (U Wisconsin)	Optimization of quasi-symmetric equilibria for energetic particle confinement	15	5	remote (USA)
15:20	10:20	23:20	15:30	10:30	23:30	Lazerson (PPPL)	Fast Ions: Discussion - Actions and Ideas for Future Collaborations	10		
15:30	10:30	23:30	15:50	10:50	23:50		Coffee	20		
15:50	10:50	23:50	16:10	11:10	00:10	Fuchert (IPP)	Scalings and Operation Limits: Goals and Potentials for International Collaborations	15	5	
16:10	11:10	00:10	16:30	11:30	00:30	Yamada (NIFS)	Isotope effect in energy confinement scaling and thermal transport on LHD	15	5	on-site
16:30	11:30	00:30	16:50	11:50	00:50	Fuchert (IPP)	Density scaling close to critical density	15	5	on-site
16:50	11:50	00:50	17:10	12:10	01:10	Suzuki (NIFS)	nonlinear MHD simulation of plasma termination events of W7-X	15	5	on-site
17:10	12:10	01:10	17:30	12:30	01:30	Zocco (IPP)	Magnetic reconnecting instabilities in 3D fusion devices	15	5	on-site
17:30	12:30	01:30	17:50	12:50	01:50	Gates (PPPL)	The physics of density limits in tokamaks and stellarators	15	5	on-site
17:50	12:50	01:50	18:00	13:00	02:00	Fuchert (IPP)	Scalings and Operation Limits: Discussion - Actions and Ideas for Future Collaborations	10		
18:00 Adjourn										

TUESDAY 12.03.2019 - Meeting room K2

Presentation: <https://tv.euro-fusion.org/channel6/home> (Presentation Password: show)

Video-conference nr. (H.323): 004910097920066 or Zoom: <https://zoom.us/j/980054336>

	09:20	04:20	17:20	09:20	04:30	17:30	Tamura (NIFS)	Fuelling pellets and impurity injection: Goals and Potentials for International Collaborations			
	09:20	04:20	17:20	09:40	04:40	17:40	Motojima (NIFS)	High-density experiments with pellet injection and analysis of pellet penetration depth in Heliotron J	15	5	remote (Japan)
	09:40	04:40	17:40	09:55	04:55	17:55	McCarthy (CIEMAT)	Plans and progress for the TESPEL preparation laboratory at Ciemat	10	5	remote (Spain)
	09:55	04:55	17:55	10:15	05:15	18:15	Panadero (CIEMAT)	Progress on pellet injection analysis and simulations	15	5	remote (Spain)
	10:15	05:15	18:15	10:35	05:35	18:35	Tamura (NIFS)	First TESPEL Injection Experiments on W7-X	15	5	on-site
	10:35	05:35	18:35	11:05	06:05	19:05		Coffee	30		
	11:05	06:05	19:05	11:25	06:25	19:25	Wegner (IPP)	Impurity injection by means of LBO in W7-X	15	5	remote (Germany)
	11:25	06:25	19:25	11:45	06:45	19:45	L. Baylor (ORNL)	W7-X Continuous Pellet Fueling Collaboration Status and Plans	15	5	remote (USA)
	11:45	06:45	19:45	12:05	07:05	20:05	Tamura (NIFS)	Fuelling pellets and impurity injection: Discussion - Actions and Ideas for Future Collaborations	20		
	12:05	07:05	20:05	13:15	08:15	21:15		Lunch	70		
	13:15	08:15	21:15	13:25	08:25	21:25	Suzuki (NIFS)	Equilibrium: Goals and Potentials for International Collaborations	10		
	13:25	08:25	21:25	13:45	08:45	21:45	Moiseenko (KIPT)	U2-M	15	5	on-site
	13:45	08:45	21:45	14:05	09:05	22:05	Suzuki (NIFS)	Beta and net toroidal current effects on edge magnetic field in stellarators	15	5	on-site
	14:05	09:05	22:05	14:25	09:25	22:25	Loizu (EPFL)	Stability and nonlinear saturation of current sheets using the SPEC code	15	5	remote (Switzerland)
	14:25	09:25	22:25	14:45	09:45	22:45	Landreman (U Maryland)	Direct construction of optimized stellarators and comparison to experimental configurations	15	5	remote (USA)
	14:45	09:45	22:45	15:05	10:05	23:05	Schmitt (Auburn U)	Status of equilibrium reconstructions with V3FIT for W7-X	15	5	remote (USA)
	15:05	10:05	23:05	15:50	10:50	23:50		Coffee	45		
	15:50	10:50	23:50	16:10	11:10	00:10	Lazerson (PPPL)	Equilibrium reconstruction in support of energetic particle modeling in stellarators	15	5	on-site
	16:10	11:10	00:10	16:20	11:20	00:20	Suzuki (NIFS)	Equilibrium: Discussion - Actions and Ideas for Future Collaborations	10		

WEDNESDAY 13.03.2019 - Meeting room K1 A+B

Presentation: <https://tv.euro-fusion.org/channel2/home> (Presentation Password: show)

Video-conference nr. (H.323): 004910097920062 or Zoom: <https://zoom.us/j/764997792>

08:45

Arrival

	09:00	04:00	17:00	09:10	04:10	17:10	Nakata (NIFS)	3D turbulence: Goals and Potentials for International Collaborations	10		
	09:10	04:10	17:10	09:30	04:30	17:30	Grenfell (Consorzio RFX)	On the role of sheared radial electric fields on turbulence spreading in the plasma boundary of fusion devices	15	5	remote (Italy)
	09:30	04:30	17:30	09:50	04:50	17:50	Gerru (CIEMAT)	On the interplay between turbulent forces and neoclassical particle losses in Zonal Flow dynamics	15	5	remote (Spain)
	09:50	04:50	17:50	10:10	05:10	18:10	Estrada (CIEMAT)	Turbulence and Er asymmetries measured using Doppler reflectometry in TJ-II	15	5	on-site
	10:10	05:10	18:10	10:30	05:30	18:30	Koepke (WVU)	WVU contributions to the TJ-II physics program on mechanisms decoupling particle and energy transport.	15	5	on-site
	10:30	05:30	18:30	11:00	06:00	19:00		Coffee	30		
	11:00	06:00	19:00	11:20	06:20	19:20	Sanchez (CIEMAT)	Comparison of global gyrokinetic simulations and Doppler Reflectometry measurements	15	5	on-site
	11:20	06:20	19:20	11:40	06:40	19:40	Carralero (CIEMAT)	First V-band Doppler reflectometer results from OP1.2b	15	5	on-site
	11:40	06:40	19:40	12:00	07:00	20:00	Krämer-Flecken (FZJ)	First investigations on turbulence properties in the SOL and at the last close flux surface	15	5	on-site
	12:00	07:00	20:00	12:20	07:20	20:20	v. Stechow (IPP)	core and edge turbulence in Wendelstein 7-X	15	5	on-site
	12:20	07:20	20:20	13:30	08:30	21:30		Lunch	70		
	13:30	08:30	21:30	13:50	08:50	21:50	Smoniewski (U Wisconsin)	Measurement of density fluctuation scaling with driving gradients from reflectometry	15	5	on-site
	13:50	08:50	21:50	14:10	09:10	22:10	Proll (TU Eindhoven)	Possible first confirmation of TEMs being less unstable in W7-X high mirror	15	5	on-site
	14:10	09:10	22:10	14:30	09:30	22:30	Cole (PPPL)	Ion scale microinstabilities in Wendelstein 7-X with the global gyrokinetic code XGC	15	5	on-site
	14:30	09:30	22:30	14:50	09:50	22:50	Zocco (IPP)	Theory and simulations of kinetic ballooning modes in tokamaks and stellarators	15	5	on-site
	14:50	09:50	22:50	15:10	10:10	23:10	Tanaka (NIFS)	Configuration effects and isotope effects on turbulence and transport of ECRH and NBI plasmas in LHD	15	5	remote (Japan)
	15:10	10:10	23:10	15:40	10:40	23:40		Coffee	30		
	15:40	10:40	23:40	16:00	11:00	00:00	Kobayashi (NIFS)	Frequency and plasma condition dependent spatial structure of zonal flows in TJ-II stellarator	15	5	remote (Japan)
	16:00	11:00	00:00	16:10	11:10	00:10	Nakata (NIFS)	3D turbulence: Discussion - Actions and Ideas for Future Collaborations	10		
	16:10	11:10	00:10	16:30	11:30	00:30	Regana (CIEMAT)	International Stellarator/Heliotron Database: status and plans	15	5	on-site
	16:30	11:30	00:30	18:00	13:00	02:00	Warmer, Dinklage, Pablant	Update on CWGM-JEX and JACS	90		
<i>18:00 Adjourn</i>											
19:00 Banquet (Rotisserie Weingrün - food sponsored by IPP, no beverages and tips included)											

THURSDAY 14.03.2019 - Meeting room K1 A+B

Presentation: <https://tv.euro-fusion.org/channel2/home> (Presentation Password: show)

Video-conference nr. (H.323): 004910097920062 or Zoom: <https://zoom.us/j/603684392>

08:45

Arrival

	09:00	04:00	17:00	09:00	04:00	17:00	Pablant (PPPL)	Impurity transport: Goals and Potentials for International Collaborations			
	09:00	04:00	17:00	09:20	04:20	17:20	Buller (Chalmers U)	Electrostatic potential variation on the flux-surface as a means of affecting the transport of impurities?	15	5	remote (Sweden)
	09:20	04:20	17:20	09:40	04:40	17:40	Regana (CIEMAT)	Neoclassical impurity transport modeling with KNOSOS, EUTERPE and SFINCS	15	5	on-site
	09:40	04:40	17:40	10:00	05:00	18:00	Calvo (CIEMAT)	Impact of main ion pressure anisotropy on stellarator impurity transport	15	5	on-site
	10:00	05:00	18:00	10:20	05:20	18:20	Nunami (NIFS)	Impurity hole investigation via gyro- and drift-kinetic simulations	15	5	remote (Japan)
	10:20	05:20	18:20	10:40	05:40	18:40	Alcuson (IPP)	GENE capabilities for impurity turbulent transport in stellarators	15	5	remote (Germany)
	10:40	05:40	18:40	11:10	06:10	19:10		Coffee		30	
	11:10	06:10	19:10	11:30	06:30	19:30	Kumar (U Wisconsin)	Impurity transport in HSX: Recent experimental results and neoclassical calculations	15	5	on-site
	11:30	06:30	19:30	11:50	06:50	19:50	Kubkowska (IPPLM)	Observation of impurity behavior by the PHA system at W7-X	15	5	on-site
	11:50	06:50	19:50	12:10	07:10	20:10	Langenberg (IPP)	Z-Dependence, Power and Density Scaling and Profile Effects on Impurity Transport	15	5	on-site
	12:10	07:10	20:10	12:30	07:30	20:30	Gilson (PPPL)	An Impurity Powder Dropper for Wall Conditioning, Power Exhaust, and Transport Studies: Recent Results and F	15	5	remote (USA)
	12:30	07:30	20:30	12:50	07:50	20:50	Pablant (PPPL)	Impurity transport: Discussion - Actions and Ideas for Future Collaborations	20		
	12:50	07:50	20:50	14:00	09:00	22:00		Lunch		70	
	14:00	09:00	22:00	14:20	09:20	22:20	Suzuki (NIFS)	Japanese Stellarator Program	15	5	on-site
	14:20	09:20	22:20	14:40	09:40	22:40	Xu (SWJTU)	Chinese stellarator program	15	5	on-site
	14:40	09:40	22:40	15:00	10:00	23:00	Gates (PPPL)	US stellarator program	15	5	on-site
	15:00	10:00	23:00	15:20	10:20	23:20	Dinklage (IPP)	Stellarators in the EU Roadmap to Fusion Electricity (in FP9)	15	5	on-site
	15:20	10:20	23:20	15:50	10:50	23:50		Coffee		30	
	15:50	10:50	23:50	17:50	12:50	01:50		Discussion Future Directions in International Collaborative Stellarator-Heliotron Research	120		on-site
18:00 CLOSING											