

**Agenda for the 23rd IOS-TG Meeting,
IPP, Garching, Germany
14-17 October 2019
(Version 4: 13 September 2019)**



Day 1: Monday 14 October 2019

Opening of the meeting (D2 Hoersaal)

09:00	Welcome	H. Zohm
09:10	Logistics	J. Hobirk

09:20 *Move to L6 Seminar room*

09:30	Agenda for the meeting, actions from previous meeting	Y.-S. Na
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09:50 *Coffee break*

Machine reports related with IOS activities I

10:20	The latest developments at ITER	J. Snipes
10:40	Update on machine experiment schedules	J. Hobirk
10:45	ASDEX Upgrade	J. Hobirk
11:15	EAST	
11:45	DIII-D	C. Holcomb

12:15-13:30 *Lunch break*

Machine reports related with IOS activities II

13:30	JET	J. Mailloux
14:00	WEST	J. Garcia

14:30 *Coffee break*

***Focus Session: Overall discussion on IRP high priority
R&D issues related with IOS***

15:00	ITER IO's feedback on IOS proposal	J. Snipes
16:00	Integrated modelling to support JE	J. Garcia
17:00	Reformulation of JE/JRA according to the IRP issues	Y.-S. Na

18:00 *Adjourn*

Day 2: Tuesday 15 October 2019

Status and reformulation of JE&JRA (I) - IBS

9:00	IOS-1 Baseline scenario	G. Sips
9:30	JA-1 Modelling of ITER demonstration discharges	J.M. Park
10:00	Discussion	All

10:30 Coffee break

Status and reformulation of JE&JRA (II) – Rampdown

11:00	JA-2 ITER rampdown simulations	F. Poli
11:30	New JE on rampdown	J. Hobirk
12:00	Discussion	All

12:30 Lunch break

Joint Session with MHD TG (I)

13:30	Joint MHD-IOS Proposal	J. Snipes
13:40	Startup Runaway/Slideaway Avoidance	P. de Vries
14:00	Active disruption avoidance	M. Maraschek
14:30	Real-time Control Implementation of Disruption Avoidance Schemes	B. Sieglin
15:00	Physics and MHD constraints on control for the ITER ramp-down phase	F. Poli
15:30	Actuator Sharing and Control Integration Needs for ITER	E. Schuster

16:00 Coffee Break

Joint Session with MHD TG (II)

16:30	Proposals for Joint Experiments on Disruption-Free Discharge Sustainment Approaches	D. Humphreys
17:00	Discussion	All

18:00 Adjourn

19:00 Group Dinner (Augustiner, Garching)

Day 3: Wednesday 16 October 2019

<i>Status and reformulation of JE&JRA (III) – Pellet</i>		
09:00	JA-13 Pellet source modelling	F. Koechl
09:30	Discussion	All
10:00	<i>Coffee break</i>	
10:30	IOS-3.3 Fast ion and thermal energy transport with elevated $q_{\min}$	E. Joffrin (remote)
<i>Status and reformulation of JE&JRA (IV) – Start-up</i>		
10:50	IOS-2.2 Study on poloidal magnetic field effect to EC-assisted plasma start-up	J.W. Lee (remote)
11:20	JA-14 Plasma burn-through code benchmark	H.T. Kim
11:50	Startup experiments with ECH on DIII-D	?
12:20	Discussion	All
12:50	<i>Lunch break</i>	
<i>Status and reformulation of JE&JRA (V) – PFPO</i>		
13:50	IOS-2.1 Compare helium H-modes in different devices	J. Snipes
14:10	PEP-IOs-1 Dependence of H-mode pedestal and integrated performance on hydrogen isotope and ion species mass	J. Mailloux
14:40	JA-10 Scenario modelling for low- and non-activation early operation of ITER / T&C-IOs-1	M. Schneider
15:10	3 rd Harmonic ECH experiment – AUG	J. Stober
15:40	<i>Coffee Break</i>	
16:00	3 rd Harmonic ECH experiment – TCV	S. Alberti (remote)
16:30	Discussion	All
<i>Status and reformulation of JE&JRA (VI) – SS&Hybrid</i>		
17:00	IOS-3.1 steady-state scenarios with $\min(q) \sim 1$	F. Turco (remote)
17:30	Discussion	All
18:00	<i>Adjourn</i>	

Day 4: Thursday 17 October 2019

Status and reformulation of JE&JRA (VII) – H&CD

9:00	Status of ITER H&CD	M. Schneider
9:30	H&CD python workflow in IMAS	M. Schneider
9:50	ICRH in AUG	V. Bobkov

10:20 Coffee break

10:40	IOS-5.1 ICRF Impurity Generation	L. Colas (remote)
11:10	Discussion	All

Summary and preparation for next meeting

11:40	Review of JE&JRA reformulation	Y.-S. Na
12:10	Preparation for agenda of the next meeting	Y.-S. Na

12:30-14:00 Lunch break

14:00 Adjourn