

2017 US-EU-JPN Workshop on RF Heating Technology
September 5 - September 8, 2017 / DoubleTree Suites, Santa Monica, CA, USA

Date	No.	Time	Name	Organization	Title
Sept. 4		17:00 - 19:00			Registration / Reception (DoubleTree Outdoor Terrace)
		8:00 - 8:30			Registration
Sept. 5			Welcome		
	T00	8:30 - 9:00	J. Anderson/R. Pinsker	GA	Opening remarks
			RF Systems 1		
	T01	9:00 - 9:30	M. Henderson	ITER	Present status of the ITER EC system
	T02	9:30 - 10:00	T. Kobayashi	QST	Progress in ECRF system development and preparation for JT-60SA
		10:00 - 10:30			Coffee break
			RF Systems 2		
	T03	10:30 - 11:00	J. Jelonek	KIT	2017 status of gyrotron R&D and advanced developments within KIT and EUROfusion
	T04	11:00 - 11:30	Y. Gorelov	GA	Reliability and power increase of DIII-D gyrotron system after FPGA system has been installed
	T05	11:30 - 12:00	T. Shimozuma	NIFS	Current status of the LHD ECRH system and development of dual-frequency gyrotrons
	T06	12:00 - 12:30	D. Wagner	Max Planck Inst.	Current status of the ECRH system at ASDEX upgrade
		12:30 - 14:00			Lunch
			RF Components 1		
T07	14:00 - 14:30	J. Anderson	GA	New ECH components at General Atomics for ITER and beyond	
T08	14:30 - 15:00	W. Bin	CNR	Status of the high power matched load activity at IFP-CNR	
T09	15:00 - 15:30	L. Ives	CCR	2 MW CW RF load for gyrotrons	
	15:30 - 16:00			Coffee break	
			Gyrotrons 1		
T10	16:00 - 16:30	K. Takahashi	QST	FAT of ITER JA gyrotron and final design of equatorial launcher	
T11	16:30 - 17:00	T. Rzesnicki	KIT	Experimental verification of the EU 1 MW, 170 GHz industrial prototype gyrotron for ITER at KIT	
T12	17:00 - 17:30	S. Cauffman	CPI	A dual-frequency 104/140 GHz megawatt-class gyrotron for fusion plasma heating	
Sept. 6			Gyrotrons 2		
	T13	8:30 - 9:00	A. Torrezan	GA	New diagnostic for mapping gyrotron collector loading and new capabilities of the ECH control system on DIII-D
	T14	9:00 - 9:30	M. Shapiro	MIT	Experimental investigations on high power, 110 GHz pulsed gyrotron
	T15	9:30 - 10:00	G. Gallerano	ENEA	Modelling and experimental activities of a CARM resonator at ENEA-Frascati
		10:00 - 10:30			Coffee break
				RF Components 2	
	T16	10:30 - 11:00	C. Moeller	GA	Status of mode-selective ECH miter bend power monitor
	T17	11:00 - 11:30	S. Jawla	MIT	Numerical simulations and low power tests of polarizers at 170 GHz for EC heating in ITER
	T18	11:30 - 12:00	T. Scherer	KIT	Millimeter-wave system design integration for the ITER EC upper launcher
	T19	12:00 - 12:30	R. Ellis	PPPL	Conceptual design of a 2-channel steady-state ECH launcher for KSTAR
		12:30 - 14:00			Lunch
				JOINT 1	
J01	14:00 - 14:30	M. Henderson	ITER	Technology needs for the ITER EC system and future fusion devices	
J02	14:30 - 15:00	J. Ongena	LPP/ERM-KMS	Study of a traveling wave antenna system for ICRF heating of DEMO	
J03	15:00 - 15:30	H. Idei	Kyushu Univ.	Fully non-inductive plasma current start-up by focused millimeter-wave beam in QUEST	
	15:30 - 16:00			Coffee break	
			JOINT 2		
J04	16:00 - 16:30	S. Shiraiwa	MIT	Status of core-edge integrated ICRF simulation using open-source MFEM library	
J05	16:30 - 17:00	Y. Takase	Univ. of Tokyo	Plasma current start-up experiments using the lower hybrid wave in the TST-2 spherical tokamak	
J06	17:00 - 17:30	X. Yang	Tri Alpha Energy	Exploring the mechanism of high harmonic fast wave electron heating in the field-reversed configuration plasma:	
	19:00 - 21:00			Banquet (Sonoma Wine Garden)	
Sept. 7			ICRF/Antennas		
	T20	8:30 - 9:00	K. Crombe	Ghent Univ.	IShTAR: a test-stand for ICRF antenna sheath studies
	T21	9:00 - 9:30	C. Moeller	GA	Status of travelling wave antennas
			Gyrotrons 3		
	T22	9:30 - 10:00	T. Numakura	Univ. of Tsukuba	Code development for the calculation of time-dependent multimode oscillations in cavity of future high-power gyrotron:
		10:00 - 10:30			Coffee break
				Gyrotrons 3	
	T23	10:30 - 11:00	T. Goodman	SPC/EPFL	Status of the European high power millimeter wave component test facility FALCON
	T24	11:00 - 11:30	C. Wu	KIT	Conceptual design and tolerance studies of a multistage depressed collector for gyrotrons based on ExB drift
			RF Components 3		
	T25	11:30 - 12:00	L. Ives	CCR	Direct coupler for gyrotrons
	T26	12:00 - 12:30	F. Mazzocchi	KIT	THz QCL based polarimeter for fusion plasma diagnostics
	12:30 - 14:00			Lunch	
	14:00 - 15:00			Joint Planning	
	15:00 - 15:30			Closing	
	15:30 - 16:00			Coffee break	
	18:00 - 19:00			Technical Tour (Basic Plasma Science Facility at UCLA)	
Sept. 8		15:00 - 17:00			Special Film Screening: LET THERE BE LIGHT (Atkinson Hall, UCSD San Diego)