

Program

Tuesday, 3rd November, 2015

Time	No	Presenter	Title	Page
9:00 - 9:20			Registration	
9:20 - 9:25			Opening and Welcome Addresses	
9:50 - 10:10			Group Photo	
10:10 - 10:55			Plenary 1 session (M. Ichimura)	
10:10	PL - 1	N.J. Fisch	Pushing Particles with Waves: Current Drive and Alpha Channeling	23
10:55 - 11:15			Coffee Break	
11:15 - 12:15			Invited 1 session (M. Ichimura)	
11:15	I - 1	M. Osakabe	Current status of the LHD project and its prospect for deuterium experiment	24
11:45	I - 2	K. Itoh	Non-equilibrium and Extreme State of Plasmas	25
12:15 - 14:15			Lunch	
14:15 - 16:15			Poster Session 1 P1-1 ~ P1-118	57
16:15 - 16:35			Coffee Break	
16:35 - 18:15			Invited 2 / Oral 1 session (M. Osakabe)	
16:35	I - 3	M. Shiratani	Plasma assisted enhancement of agricultural yield	26
17:05	I - 4	K. Kitano	Innovative medical technology in plasma disinfection of human body with low-temperature atmospheric-pressure plasmas ~ the reduced-pH method and the plasma-treated water (PTW) ~	27
17:35	O - 1	H. Saitoh	Recent status of the PAX and APEX projects toward the formation of electron-positron plasma	28
17:55	O - 2	M. Sato	An Application of Fusion Oriented Neutrons for Transmutations of Long Life Fission Products	29

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Plenary 2 / Invited 3 session (N.J. Fisch)				
9:00	PL - 2	M. Ono	Spherical Tokamaks and Fusion Energy Development Path	31
9:45	I - 5	H. Meyer	Research towards operation with tolerable ELMs on European Tokamaks	32
10:15 - 10:35 Coffee Break				
10:35 - 12:05				
Invited 4 session (A. Sagara)				
10:35	I - 6	H. Tamura	Design status of structural components of helical fusion reactor FFHR-d1	33
11:05	I - 7	M. Sakamoto	Hydrogen recycling in the divertor simulation plasma on GAMMA 10/PDX	34
11:35	I - 8	Y. Ueda	Interactions of tungsten plasma facing material with edge plasma	35
12:05 - 13:35 Lunch				
13:35 - 14:45				
Invited 5 / Oral 2 session (C.Z. Cheng)				
13:35	I - 9	B. Unterberg	Research on Plasma Wall Interaction Facilities for Fusion Reactors	36
14:05	O - 3	Y. Ueki	Velocity profile measurement of lead-lithium duct flow by ultrasonic Doppler velocimetry	37
14:25	O - 4	A. Kimura	Impacts of Material Innovation on Advanced Blanket Design	38
14:45 - 15:05 Coffee Break				
15:05 - 15:35				
Invited 6 / Oral 3 session (B. Unterberg)				
15:05	I - 10	A. Kasugai	Progress of Linear IFMIF Prototype Accelerator in Rokkasho	39
15:35	O - 5	H. Shishido	Discussion on the effect of NaF on physical properties of Flinabe in comparison to Flibe from molecular dynamics simulations	40
15:55	O - 6	H. Etoh	Experimental and numerical study of H- production in DC H- source of medical cyclotron	41
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Plenary 3 / Invited 7 session (H.P. Laqua)				
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9:45	I - 11	S. Murakami	Predictions of Plasma Performance and Fusion Reactions in the Deuterium Experiment Plasma of LHD	44
10:15 - 10:35 Coffee Break				
10:35 - 12:25				
Invited 8 / Oral 4 session (H. Meyer)				
10:35	I - 12	G. Serianni	The full-size source and injector prototypes for ITER neutral beams	45
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11:35	I - 14	N.C. Luhman, Jr.	Advances in 2-D Millimeter-Wave Plasma Imaging of Magnetic Fusion Plasmas	47
12:05	O - 7	B.D. Blackwell	Recent results from the H-1 heliac on MHD activity, fluctuations and RF propagation	48
12:25 - 13:25 Lunch				
13:25 - 17:30 Social Program / Excursion				
18:30 - 20:30 Banquet				

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9:45	I - 15	M. Nunami	Progress of Gyrokinetic Turbulence Simulation in Helical Plasmas	50
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10:35 - 12:25	Invited 10 / Oral 5 session (N.C. Luhmann, Jr.)			
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12:25 - 13:55	Lunch			
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14:25	I - 20	M. Tendler	The origin and the impact of stochasticity resulting from edge localized perturbations	56
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		T. Mutoh	Summary of ITC-25	
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