date	from	to	No.	Name	Affiliation	Title	Ab Pag
	9:00	9:20				Registration	
	9:20	9:25				Opening Address	
	9:25	9:50				Welcome Address	
	9:50 10:10	10:10		Plenary1	Chair: S. Kubo	Group Photo	r
	10:10		PL - 1	N.J. Fisch	Princeton University	Pushing Particles with Waves: Current Drive and Alpha Channeling	
	10:55	11:15				coffee break	
	11:15 11:15	12:15	1 - 1	Invited1 M. Osakabe	Chair: S. Kubo NIFS	Current status of the LHD project and its prospect for deuterium experiment	
	11:45	12:15	1 - 2	K. Itoh	NIFS	Non-equilibrium and Extreme State of Plasmas	
3.Nov	12:15	14:15		Deater 1		Lunch	- 
	14:15	16:15		Poster 1			
	14:15	16:15			P1	P1-1~118	
	16:15	16:35				coffee break	
	16:35	18:15		Invited2/Oral1	Chair: M. Osakabe		
	16:35	17:05	1-3	M. Shiratani	Kyushu University	Plasma assisted enhancement of agricultural yield Innovative medical technology in plasma disinfection of human body with low-temperature	
	17:05	17:35	1 - 4	K. Kitano	Osaka University Max Planck Institute for	atmospheric-pressure plasmas ~ the reduced-pH method and the plasma-treated water (PTW) ~	
	17:35	17:55	0 - 1	H. Saitoh	Plasma Physics	Recent status of the PAX and APEX projects toward the formation of electron-positron plasma	
	17:55 18:15	18:15	0 - 2	M. Sato	Chubu university	An Application of Fusion Oriented Neutrons for Transmutations of Long Life Fission Products adjourn	
	9:00	10:15		Plenary2/Invited3	Chair: N. J. Fisch		
	9:00	9:45	PL - 2	M. Ono	PPPL, Princeton University	Spherical Tokamaks and Fusion Energy Development Path	
	9:45	10:15	I - 5	H. Meyer	CCFE	Research towards operation with tolerable ELMs on European Tokamaks	
	10:15	10:35		Invited4	Chair: A. Sagara	coffee break	
	10:35	11:05	I-6	H. Tamura	National Institute for Fusion Science	Design status of structural components of helical fusion reactor FFHR-d1	
	11:05	11:35	1 - 7	M. Sakamoto	University of Tsukuba	Hydrogen recycling in the divertor simulation plasma on GAMMA 10/PDX	
	11:35 12:05	12:05 13:35	I - 8	Y. Ueda	Osaka University	Interactions of tungsten plasma facing material with edge plasma	
	12:05	13:35		Invited5/Oral2	Chair: C. Z. Cheng	Lunch	
	13:35	14:05	1-9	B. Unterberg	Plasmaphysik, Forschungszentrum	Research on Plasma Wall Interaction Facilities for Fusion Reactors	
.Nov			0-3	Y. Ueki	Jülich		
	14:05 14:25	14:25 14:45	0-3	A. Kimura	Osaka University Kyoto University	Velocity profile measurement of lead-lithium duct flow by ultrasonic Doppler velocimetry Impacts of Material Innovation on Advanced Blanket Design	
	14:45	15:05	-			coffee break	_
	15:05	16:15	1 40	Invited6/Oral3	Chair: B. Unterberg Japan Atomic Energy		
	15:05	15:35	I - 10	A. Kasugai	Institute	Progress of Linear IFMIF Prototype Accelerator in Rokkasho Discussion on the effect of NaF on physical properties of Flinabe in comparison to Flibe from	
	15:35	15:55	0-5	H. Shishido			
				n. omsmuo	Tohoku University	molecular dynamics simulations	
	15:55	16:15	O - 6	H. Etoh	Sumitomo Heavy Industries, Ltd.		
	15:55 16:15	16:15 18:15			Sumitomo Heavy	molecular dynamics simulations	
				H. Etoh	Sumitomo Heavy	molecular dynamics simulations	
	16:15	18:15		H. Etoh Poster2	Sumitomo Heavy Industries, Ltd.	molecular dynamics simulations Experimental and numerical study of H- production in DC H- source of medical cyclotron	
	16:15 16:15 18:15 9:00	18:15 18:15 10:15	O - 6	H. Etoh Poster2 Posters Plenary3/Invited7	Sumitomo Heavy Industries, Ltd. P2 Chair: H.P. Laqua	molecular dynamics simulations Experimental and numerical study of H- production in DC H- source of medical cyclotron P2-1~89 adjourn	
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		K. Tsumori	National Institute for	energy ion penetration scheme Numerical Design on New Steering Grid of Negative Ion Source for NBI
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	P1 - 55 P1 - 56 P1 - 57	T. Tanaka H. Muta	Fusion Science National Institute for Fusion Science Osaka University	Numerical Design on New Steering Grid of Negative Ion Source for NBI Fabrication and property investigation of metal hydride blocks for neutron shielding in a fusion reactor Improvement of weight density and thermal conductivity of hydride neutron shielding material using metal coated powder
	P1 - 55 P1 - 56 P1 - 57 P1 - 58	T. Tanaka H. Muta H. Watanabe	Fusion Science         National Institute for         Fusion Science         Osaka University         Kyushu Univ.,	Numerical Design on New Steering Grid of Negative Ion Source for NBI Fabrication and property investigation of metal hydride blocks for neutron shielding in a fusion reactor Improvement of weight density and thermal conductivity of hydride neutron shielding material using metal coated powder Environmental Effects on V-4Cr-4Ti Alloy during Irradiation
	P1 - 55 P1 - 56 P1 - 57	T. Tanaka H. Muta	Fusion Science National Institute for Fusion Science Osaka University Kyushu Univ., national institute for fusion science	Numerical Design on New Steering Grid of Negative Ion Source for NBI Fabrication and property investigation of metal hydride blocks for neutron shielding in a fusion reactor Improvement of weight density and thermal conductivity of hydride neutron shielding material using metal coated powder
	P1 - 55 P1 - 56 P1 - 57 P1 - 58	T. Tanaka H. Muta H. Watanabe	Fusion Science National Institute for Fusion Science Osaka University Kyushu Univ., national institute for	Numerical Design on New Steering Grid of Negative Ion Source for NBI Fabrication and property investigation of metal hydride blocks for neutron shielding in a fusion reactor Improvement of weight density and thermal conductivity of hydride neutron shielding material using metal coated powder Environmental Effects on V-4Cr-4Ti Alloy during Irradiation ACT2: a high heat flux test facility using electron beam for fusion application Conceptual design of the new liquid metal divertor VOLD-X
:15 16:15	P1 - 55 P1 - 56 P1 - 57 P1 - 58 P1 - 59 P1 - 60	T. Tanaka H. Muta H. Watanabe Y. Hamaji	Fusion Science National Institute for Fusion Science Osaka University Kyushu Univ., national institute for fusion science National Institute for	Numerical Design on New Steering Grid of Negative Ion Source for NBI           Fabrication and property investigation of metal hydride blocks for neutron shielding in a fusion reactor           Improvement of weight density and thermal conductivity of hydride neutron shielding material using metal coated powder           Environmental Effects on V-4Cr-4Ti Alloy during Irradiation           ACT2: a high heat flux test facility using electron beam for fusion application           Conceptual design of the new liquid metal divertor VOLD-X           Experimental simulations for detached plasma with Super-X divertor using a liner divertor simulator
15 16:15	P1 - 55 P1 - 56 P1 - 57 P1 - 58 P1 - 59 P1 - 60	T. Tanaka H. Muta H. Watanabe Y. Hamaji J. Miyazawa	Fusion Science National Institute for Fusion Science Osaka University Kyushu Univ., national institute for fusion science National Institute for Fusion Science	Numerical Design on New Steering Grid of Negative Ion Source for NBI           Fabrication and property investigation of metal hydride blocks for neutron shielding in a fusion reactor           Improvement of weight density and thermal conductivity of hydride neutron shielding material using metal coated powder           Environmental Effects on V-4Cr-4Ti Alloy during Irradiation           ACT2: a high heat flux test facility using electron beam for fusion application           Conceptual design of the new liquid metal divertor VOLD-X           Experimental simulations for detached plasma with Super-X divertor using a liner divertor simulator TPD-Sheet IV           Effects of gamma-ray irradiation on electronic and non-electronic equipment of the Large Helical
:15 16:15	P1 - 55 P1 - 56 P1 - 57 P1 - 58 P1 - 59 P1 - 60 P1 - 61 P1 - 62	T. Tanaka H. Muta H. Watanabe Y. Hamaji J. Miyazawa Y. Tanaka K. Ogawa	Fusion Science National institute for Fusion Science Osaka University Kyushu Univ., national institute for fusion science National institute for Fusion Science Tokai University NIFS Tokyo Institute of	Numerical Design on New Steering Grid of Negative Ion Source for NBI           Fabrication and property investigation of metal hydride blocks for neutron shielding in a fusion reactor           Improvement of weight density and thermal conductivity of hydride neutron shielding material using metal coated powder           Environmental Effects on V-4Cr-4Ti Alloy during Irradiation           ACT2: a high heat flux test facility using electron beam for fusion application           Conceptual design of the new liquid metal divertor VOLD-X           Experimental simulations for detached plasma with Super-X divertor using a liner divertor simulator TPD-Sheet IV           Effects of gamma-ray irradiation on electronic and non-electronic equipment of the Large Helical Device
:15 16:15	P1 - 55 P1 - 56 P1 - 57 P1 - 58 P1 - 59 P1 - 60 P1 - 61 P1 - 62 P1 - 63	T. Tanaka H. Muta H. Watanabe Y. Hamaji J. Miyazawa Y. Tanaka K. Ogawa M. Kondo	Fusion Science National Institute for Fusion Science Osaka University Kyushu Univ., national institute for fusion science National Institute for Fusion Science Tokai University NIFS Tokyo Institute of Technology	Numerical Design on New Steering Grid of Negative Ion Source for NBI           Fabrication and property investigation of metal hydride blocks for neutron shielding in a fusion reactor           Improvement of weight density and thermal conductivity of hydride neutron shielding material using metal coated powder           Environmental Effects on V-4Cr-4Ti Alloy during Irradiation           ACT2: a high heat flux test facility using electron beam for fusion application           Conceptual design of the new liquid metal divertor VOLD-X           Experimental simulations for detached plasma with Super-X divertor using a liner divertor simulator TPD-Sheet IV           Effects of gamma-ray irradiation on electronic and non-electronic equipment of the Large Helical Device           Desorption of non-metal impurities from Pb and Pb-Li alloy
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