

Program of US-Japan Workshop on RFP Data Base Evaluation
March 14 - 17, 1989, Hongo Gakushi Club, Tokyo

TUESDAY March 14

9:30 - 10:10	Registration (Hongo Gakushi Club)		
10:10 - 10:30	Opening		
10:30 - 11:20	Constant Beta Experiments on ZT-40M	P. Weber (LANL)	1
11:20 - 11:40	(Break)		
11:40 - 12:30	Experimental Results on STP-3(M)	K. Sato (IPP Nagoya U.)	16
12:30 - 14:10	(Lunch)		
14:10 - 15:00	Initial Results from MST	C.J. Sprott (U. Wisconsin)	33
15:00 - 15:40	Overview of ETL RFP Research	K. Ogawa (ETL)	48
	Recent Status of Operation and Fundamental Equilibrium Control of TPE-1RM15	T. Shimada (ETL)	51
15:40 - 16:00	(Break)		
16:00 - 16:30	Measurement of Temperatures in REPUTE-1	Y. Nagayama (U. Tokyo)	60
16:30 - 17:00	Scaling of RFP Plasma in REPUTE-1	K. Miyamoto (U. Tokyo)	74
18:00 -	Reception at Sanjo Kaikan of University of Tokyo		

WEDNESDAY March 15

9:30 - 9:55	Self-Sustainment Process of RFP Configuration	K. Kusano (Hiroshima U.)	81
9:55 - 10:25	Mode Transition Points of Relaxed States	Y. Kondoh (Gunma U.)	91
10:25 - 10:50	Turbulent Steady State Model on RFP	K. Yokoyama (Nihon U.)	98
10:50 - 11:10	(Break)		
11:10 - 12:00	Resistive Wall Effects -- Background--	D. Schnack (SAI)	105
12:00 - 12:10	Reflections on the Thin-Shell Data Base	J.N. DiMarco (LANL)	137
12:10 - 13:30	(Lunch)		
13:30 - 14:20	Field Errors and Equilibrium Control --Modeling--	R.A. Nebel (LANL)	141
14:20 - 15:00	Volt-Second Problem in Setting-up Phase	Y. Hirano (ETL)	155
	Feedback Control of Error Field at Shell Cut		
15:00 - 15:20	(Break)		
15:20 - 16:10	Circuit Modeling and Performance Optimization	C.J. Sprott (U. Wisconsin)	167
16:10 - 17:00	Fluctuations in TPE-1RM15		
	Magnetic Field	K. Hattori (ETL)	184
	Soft X-rays	T. Shimada (ETL)	200

THURSDAY March 16

9:30 - 10:20	Resistive Shell --Two Fluid Effects--	R.A. Nebel (LANL)	213
10:20 - 10:40	Thoughts on Developing a τ_E Data Base	J.N. DiMarco (LANL)	231
10:40 - 10:55	(Break)		
10:55 - 11:40	Plasma Parameters, Scaling Laws and Confinement Properties in TPE-1RM15		
	Thomson Scattering and NPA	Y. Yagi (ETL)	234
	Doppler Broadening	I. Hirota (ETL)	254
11:40 - 12:30	ULQ and RFP Experiments on REPUTE-1	T. Fujita (U. Tokyo)	259
12:30 - 14:10	(Lunch)		
14:10 - 15:00	Ion and Electron Dynamics	P. Weber (LANL)	277
15:00 - 15:25	Edge Plasma I	Y. Yagi (ETL)	289
15:25 - 15:50	Edge Plasma II	Y. Maejima (ETL)	302
15:50 -	REPUTE-1 Tour		

FRIDAY March 17

9:30 - 9:45	ZT-40M and ZTP Program Plans	P. Weber (LANL)	311
9:45 - 10:00	REPUTE-1Q Program	N. Inoue (U. Tokyo)	315
10:00 - 10:20	Plans for Data Acquisition and Retrieval on ZTH, RFX and MST	J.N. DiMarco (LANL)	319
10:20 - 10:40	(Break)		
10:40 - 11:30	Resistive Wall and Transport Modeling --Predictions for RFX and HBTX--	D. Schnack (SAI)	322
11:30 - 12:00	Discussion and Summary		
12:00	Closing		