

Table of Contents

		Page
I. Executive Summary		1
II. Workshop Summary		5
III. Workshop Viewgraphs		
Workshop Objectives	M. Cohen	15
Workshop Structure	R. McGrath	21
Session 1 Disruption Parameters on Existing Machines - Expectations for BPX & ITER		
Disruption Studies on DIII-D	A. Kellman	23
Disruption Data Base and Planned Disruption Studies on TFTR	A. Janos	64
Overview of Disruption Data Base from Foreign Tokamaks	A. Russo	126
Disruptions on BPX - Parameters and Effects	H. Neilson	143
Disruptions on ITER - Parameters and Effects	R. Watson	163
Session 2 Materials Data Base and Additional Materials Experiments on Tokamaks		
Safety Implications of Disruptions	S. Piet/ B. Merrill	183

Table of Contents - continued

		Page
Session 2	Materials Data Base and Additional Materials Experiments on Tokamaks (cont.)	
Effects of Neutron Irradiation on the Structure and Properties of Carbon-Carbon Composites	T. Burchell/ W. Eatherly	190
DIMES and Materials Erosion Studies	C. Wong	207
Materials Development for BPX	J. Haines	224
Session 3	Runaway Electrons	
The Influence of Plasma Motion on Disruption Generated Runaway Electrons	A. Russo	250
Comparison of Carbon and Beryllium Runaway Electrons on JET	R. Watson	264
Session 4	Disruption Simulation Experiments	
Overview of Soviet Plasma Gun Capabilities and Recent Results from the US/USSR Exchange on Disruption Simulations	J. Gahl/ J. McDonald	273
Plasma Gun Experiments at NCSU	J. Gilligan	292
Session 5	Disruption Modeling	
Disruption Modeling at NCSU	J. Gilligan	327
Physics of Disruption Modeling	D. Ehst	361

Table of Contents - continued

		Page
Session 5	Disruption Modeling (cont.)	
Recent Modeling of Plasma Gun and Electron Beam Experiments	A. Hassanein	375
Energy Flows During Disruptions on TFTR	B. Merrill	393
Comments on Existing SNL Codes Applicable to Disruption Modeling	R. Campbell	409
IV.	Workshop Comments	
Dave Ehst, ANL		412
John Gahl, UNM		413
John Gilligan, NCSU		414
John Haines, McDonnell Douglas		416
Ahmed Hassanein, ANL		419
Arnie Kellman, GA		421
Brad Merrill, INEL		425
Hutch Neilson, PPPL		426
Clement Wong, GA		429