FINAL PROGRAM

U.S. - Japan Joint Seminar on Plasma Spectroscopy Kyoto, May 7-11, 1979

page May 7 (Monday), Kyodai Kaikan Registration (10:00 - 11:00) Opening Session (11:00 - 12:00) Welcoming Remarks Response Review Talks (Chairman: K. Mori) 1. Hans R. Griem (University of Maryland) "Plasma Spectroscopy Research in the US" 2. Kuniya Fukuda (Kyoto University) "Plasma Spectroscopy Research in Japan" 12:00 - 14:00 Lunch Afternoon Session (14:00 - 17:00) (Chairman: J. Fujita) 1. Einar Hinnov (PPL, Princeton University) "Radiation of Highly Ionized Atoms in the Diagnostics of Tokamak Plasmas" (60min.) Discussion and Coffee Break (15:00 - 15:40) (Chairman: H. W. Moos) 2. Satoshi Kasai and Akimasa Funahashi (Japan Atomic Energy Research Institute) "Behavior of Pseudo-Continuum Emission from High-Z Impurities in DIVA and JFT-2 Tokamaks" (40min.) 4 3. Junji Fujita, Kuninori Sato, Kiyoshi Kadota, Masamoto Otsuka (IPP, Nagoya University), and Kazuo Mori (The Institute of Physical and Chemical Research) "Spectroscopic Study of Impurities in High Density Regime of JIPP T-II Tokamak Plasma" (40min.) 8 18:00 - 20:00 Banquet (Holiday Inn)

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May 8 (Tuesday), Kyodai Kaikan Morning Session (9:00 - 12:00) (Chairman: A. Funahashi) 1. Roger D. Bengtson, J. C. Wiley and F. L. Hinton (University of Texas) "Spectroscopic Measurements of Atomic Parameters and 12 Impurity Transport in a Tokamak" (40min.) 2. H. Warren Moos (The Johns Hopkins University) "Extreme Ultraviolet Diagnostics of High Temperature Plasmas" (40min.) 13 Discussion and Coffee Break (10:20 - 10:40) (Chairman: K. Nishi) 3. Eijiro Hiei (Tokyo Astronomical Observatory) "Density Diagnostics of a Compact Flare Plasma by XUV Lines: (25min.) 17 4. Katsuo Tanaka (Tokyo Astronomical Observatory) "Spectroscopic Diagnostics of Transient Flare Plasma by X-Ray Iron Lines" (15min.) 18 5. Darrell L. Judge (University of Southern California) "Extreme Ultraviolet Observations of Astrophysical Plasma" 19 (40min.) 12:00 - 14:00 Lunch Afternoon Session (14:00 - 17:40) (Chairman: H. R. Griem) 1. Kenzo Miyazaki, Takuzo Sato and Hiroshi Kashiwagi (Electrotechnical Laboratory) "Second Harmonic Generation in Sodium Vapor by Picosecond Laser Pulses" (30min.) 22 2. B. Yaakobi (University of Rochester) "X-Ray Spectroscopy and Interferometery as Diagnostics in Laser Fusion" (40min.) 24 3. Yoshiaki Kato and Takatomo Sasaki (Osaka University) "Plasma Spectroscopy for Laser Fusion Research at Osaka

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University" (40min.)

Discussion and Coffee Break (15:50 - 16:10)

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4.	Kenneth B. Mitchell (Los Alamos Scientific Laboratory)	
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5.	Naohiro Yamaguchi, Jun-ichi Mizui, Junji Fujita (IPP, Nagoya University), and Makoto Shiho (Japan Atomic Energy Research Institute)	
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6.	Takako Kato (IPP, Nagoya University) and Takashi Fujimoto (Kyoto University)	
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3.	Hans R. Griem (University of Maryland)	
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6. Yukikazu Itikawa (IPP, Nagoya University)

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4. Comments

H. Warren Moos (The Johns Hopkins University)

"Extreme Ultraviolet Instrumentation and Photometric Calibration" (15min.)

Takeshi Namioka (Tohoku University)

"Focussing Property of a Concave Grating in a Grazing Incidence Spectrometer" (20min.) $\,$

12:00 - 14:00 Lunch

Afternoon (14:00 - 15:30)

Informal Discussions in small groups

on "Instrumentation of XUV Spectroscopy" and

"Radiation Processes in Laser Plasmas"

16:00 - 17:00 Beer Party (Holiday Inn)

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