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THIRD TOPICAL CONFERENCE ON RADIO FREQUENCY PLASMA HEATING

Session F: Alfvén Wave, TTMP, and Other Heating
January 13/78 - 8:30 A.M.
T. JENSEN presiding

F1 - Transit Time Magnetic Pumping in Hydrogen and Deuterium Discharges
PETULA GROUP, CEN, Grenoble (30 min)

F2 - Advances in Plasma Heating with Alfvén Waves
J. L. SHOHET, U. of Wisconsin (30 min)

F3 - Technical Aspects of Alfvén Wave Heating
A. HASEGAWA, Bell Labs

F4 - Non-Ideal Effects on Alfvén Wave Heating
G. CONN, Michigan State and J. A. TATARONIS, N.Y.U.

F5 - The Continuous MHD Spectrum for Alfvén Wave Heating in a Straight Stellarator
J. N. TALMADGE and J. L. SHOHET, U. of Wisconsin

F6 - Resonant Magnetic Pumping at Very Low Frequency
N. CANOBBIO, CEA Grenoble

F7 - ECR Upper-Hybrid Heating in the Culham Levitron
A. C. RIVIERE, M. W. ALCOCK and T. N. TODD, Culham Lab

F8 - Magnetoacoustic Oscillations of a Cylindrical Plasma Column
B. BLACKWELL, G. COLLINS, R. CROSS and J. LEHANE, U. of Sydney

F9 - Microwave Absorption Studies near the Plasma Frequency
B. L. WRIGHT, M. E. BANTON, H. DREICER, J. C. INGRAHAM, Los Alamos

Session G: General Theory Relating to Heating
January 13/78 - 2:00 P.M.
P. BELLAN presiding

G1 - Stochastic Heating of an Ion Beam by Lower Hybrid Waves
E. LAZZARO, Lab. Fisica del Plasma, Milan

G2 - Stochastic Plasma Heating by Localized RF Fields
H. SUGAI and S. TAKEDA, Nagoya U.

G3 - Whistler Cavity Eigenmodes in Tokamaks
C. CHU and J. L. SPERLING, General Atomic Co.

G4 - Universal Formula for Quasistatic Second-Order Density Perturbation by a Cold Magnetoplasma Wave
A. N. KAUFMAN, J. R. CARY and N. R. PEREIRA, Lawrence-Berkeley Lab

G5 - Ponderomotive Effects in a Magnetized Plasma
V. KRAPCHEV and A. BERS, M.I.T.

G6 - Three-Dimensional Effects on Nonlinear Mode-Converted Lower-Hybrid Waves
H. H. KUEHL, U. So. California

G7 - Complex Modified K-DV Equation and Nonlinear Propagation of Lower Hybrid Waves
A. SEN, C.F.F. KARNEY and A. BERS, M.I.T. and N. R. PEREIRA, Lawrence-Berkeley Lab