



INTERNATIONAL ATOMIC ENERGY AGENCY

FIFTEENTH INTERNATIONAL CONFERENCE ON PLASMA PHYSICS
AND CONTROLLED NUCLEAR FUSION RESEARCH

Seville, Spain, 26 September - 1 October 1994

CONF-940933-30

IAEA-CN-60/D-2-II-6

Dynamics of the L \rightarrow H Transition, VH-Mode Evolution, Edge Localized
Modes and R.F. Driven Confinement Control in Tokamaks

P.H. Diamond, V.B. Lebedev, Y.M. Liang, A.V. Gruzinov,
I. Gruzinova, M. Medvedev

University of California, San Diego, La Jolla, CA 92093-0319

B.A. Carreras, D.E. Newman, L. Charlton, K.L. Sidikman,
D.B. Batchelor, E.F. Jaeger, C.Y. Wang

Fusion Energy Division, Oak Ridge National Laboratory, Oak Ridge, TN 37830

G.G. Craddock, N. Mattor

Lawrence Livermore National Laboratory, Livermore, CA 94551

T.S. Hahm, M. Ono, B. Leblanc and H. Biglari

Princeton Plasma Physics Laboratory, Princeton, NJ 08543

F.Y. Gang and D.J. Sigmar

Plasma Fusion Center, Massachusetts Institute of Technology, Cambridge, MA 02139

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

MASTER

This is a preprint of a paper intended for presentation at a scientific meeting. Because of the provisional nature of its content and since changes of substance or detail may have to be made before publication, the preprint is made available on the understanding that it will not be cited in the literature or in any way be reproduced in its present form. The views expressed and the statements made remain the responsibility of the named author(s); the views do not necessarily reflect those of the government of the designating Member State(s) or of the designating organization(s). In particular, neither the IAEA nor any other organization or body sponsoring this meeting can be held responsible for any material reproduced in this preprint.

LEW ds

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED