

TECHNICAL PAPERS

PLASMA ENGINEERING

- 257** Oscillation and Reconnection of Plasma Fibers in a Description of Tokamak Phenomena / *Nikos A. Salingaros, Rodolfo Carrera*
- 267** Analysis of Burn Stabilization of Ignited D-T Tokamak Plasmas Allowing for Radial Motion / *Akinori Oda, Yasuyuki Nakao, Takashi Kuitani, Kazuhiko Kudo, Masao Ohta*

BLANKET ENGINEERING

- 281** Thermal Control of Ceramic Breeder Blankets / *A. René Raffray, Mark S. Tillack, Mohamed A. Abdou*
- 309** Analysis of the Thermomechanical Contact Between Beryllium Blocks and Stainless Steel Plates in ITER Design / *Alex Stojimirovic, Saurin Majumdar*

TRITIUM SYSTEMS

- 316** Exchange of Dilute CH₄ in Tritium Gas / *G. T. McConville, David A. Menke*

SAFETY/ENVIRONMENTAL ASPECTS

- 321** A Simple Scaling Approach to Calculate Activation Radiological Hazards in a Silicon Carbide First Wall / *S. K. Ho, F. J. Brechtel, T. Kenneth Fowler*

TECHNICAL NOTES

MATERIALS ENGINEERING

- 331** Heat Capacity of Lithium Metazirconate / *Paul Gierszewski*
- 333** Thermal Conductivity of Lithium Metazirconate / *Paul Gierszewski*

ICF Driver Technology

- 337** Geometric Arrangement of Beamlets in Large Laser Fusion Facilities / *Maxime Rabeau, John H. Pitts, Jean-François Mengué, Gérard Maurin*

(Continued)

ON THIS COVER

This month's cover is based on Fig. 12 of the paper by Raffray et al.

CONTENTS / MAY 1993–VOL. 23, NO. 3

(Continued)

TECHNICAL NOTES ON COLD FUSION

- 342 Cathode Cooling by Expansion of Hydrogen in Calorimetric Tests for Cold Fusion / *Bruce E. Gammon*
- 346 Observation of *d-d* Fusion Neutrons During Degassing of Deuterium-Loaded Palladium / *Michael Bittner, Andreas Meister, Dieter Seeliger, Rainer Schwier, Peter Wüstner*
- 353 Coherent and Semicoherent Neutron Transfer Reactions III: Phonon Frequency Shifts / *Peter L. Hagelstein*
-

DEPARTMENTS

- 253 Authors
- 362 Meeting Report
Summary of the IAEA Technical Committee Meeting on Advances in Simulation and Modeling Thermonuclear Plasmas, Montreal, Canada, June 15–17, 1992 / *Donald A. Monticello*