

Fusion technology™

CONTENTS / MAY 1986—VOL. 9, NO. 3

TECHNICAL PAPERS

ICF CHAMBER ENGINEERING

- 381** Inertial Confinement Fusion Development Options: Facility Characteristics and Schedules from a Reactor Physics Viewpoint / *James A. Blink*

PLASMA HEATING SYSTEMS

- 391** Transport Effects of Interacting Hot and Cold Electrons in Laser-Heated Plasmas / *P. M. Campbell*
- 401** The Performance of the Poloidal Divertor Experiment Neutral Beam Wall Armor / *H. W. Kugel, H. P. Eubank, T. A. Kozub, M. D. Williams, M. Ulrickson*

FUSION REACTORS

- 408** The Elusive Isobaric Reactor / *Robert G. Mills*
- 422** Conceptual Design of a Moving-Ring Reactor: KARIN-I / *A. Mohri, Y. Fujii-e, K. Ikuta, H. Momota, H. Naitou, Y. Nomura, Y. Tomita, M. Ohnishi, K. Yoshikawa, S. Inoue, M. Nishikawa, S.-Inoue Itoh, K. Kitamura, S. Nagao, H. Nakashima, M. Iwamoto, Y. Gomay, M. Kumagai, Y. Kawakita, Y. Suzuki, K. Okamoto, H. Matsunaga, H. Yoshizawa*

BLANKET ENGINEERING

- 452** A Parametric Study of Water-Cooled Solid Breeder Blanket Designs / *Balabhadra Misra, Grover D. Morgan*

FUSION REACTORS

- 459** Conceptual Design of a Deuterium-³He Fueled Tandem Mirror Reactor Satellite/Breeder System / *Geoffrey W. Shuy, Ali E. Dabiri, Husam Guroi*

EXPERIMENTAL DEVICES

- 476** Engineering Aspects of the HT-6M Tokamak / *HT-6M Team*
- 481** Pulse Discharge Cleaning for Open-Ended Systems / *Harold R. Garner, Takashi Aoki*

(Continued)

ON THIS COVER

Figures 17 and 32 from the paper by A. Mohri et al. combine to depict the transient behaviors under the feedback control and the plasma expansion chamber in the moving-ring reactor.

CONTENTS / MAY 1986—VOL. 9, NO. 3

(Continued)

TRITIUM SYSTEMS

- 484** Tritium Control in a Helium-Cooled Ceramic Blanket for a Fusion Reactor / *Mario Dalle Donne, Stefan Dorner*
- 492** Drastic Reduction of Computing Time in Dynamic Simulation for Hydrogen Isotope Distillation Columns / *Masahiro Kinoshita*

TECHNICAL NOTES

ICF TARGETS

- 499** A Proposed Direct ρR Measurement by Charged-Particle Activation / *A. D. Krumbein, Y. Paiss, H. Zmora, M. Rosenblum*

TRITIUM SYSTEMS

- 503** Tritium Release from a Lithium Ceramic: Interpretation of the TRIO Experiment / *Mario Dalle Donne*
- 506** A Zirconium-Cobalt Compound as the Material for a Reversible Tritium Getter / *Takanori Nagasaki, Satoshi Konishi, Hiroji Katsuta, Yuji Naruse*

DEPARTMENTS

- 373** Authors
- 510** Meeting Report
Summary of the Course on Tokamak Startup—Problems and Scenarios Related to the Transient Phases of a Thermonuclear Fusion Reactor, Erice, Sicily, July 14–20, 1985 / *Heinz Knoepfel*
- 514** Volume 9 Indexes
- v** Volume 9 Contents