

# Fusion technology

CONTENTS / SEPTEMBER 2000—VOL. 38, NO. 2

## TECHNICAL PAPERS

- 173** The Temperature in the RTP Tokamak Under Feedback Control by Regulating the Output of a 110-GHz Gyrotron / *Jaap Lok, Ronald Dam, Bart de Groot*
- 180** A General Computational Approach for Magnetohydrodynamic Flows Using the CFX Code: Buoyant Flow Through a Vertical Square Channel / *Ivan Di Piazza, Leo Bühler*
- 190** Progress in the Development of Tomographic Information-Processing Methods for Application to ICF Target Characterization / *Irina V. Aleksandrova, Alezandr A. Belolipetskiy, Vjacheslav I. Golov, Vladimir I. Chtcherbakov, Elena V. Makeyeva, Elena R. Koresheva, Igor E. Osipov*
- 206** In Situ Potentiometric, Resistance, and Dilatometric Measurements of Palladium Electrodes During Repeated Electrochemical Hydrogen Absorption / *Hiroo Numata, Izumi Ohno*
- 224** Heat and Helium Production During Exothermic Reactions Between Gases Through Palladium Geometrical Elements Loaded with Hydrogen / *Giuseppe Agelao, Maria Carmela Romano, Francesco Italiano*
- 238** Evidence for Low-Intensity D-D Reaction as a Result of Exothermic Deuterium Desorption from Au/Pd/PdO:D Heterostructure / *A. G. Lipson, B. F. Lyakhov, A. S. Roussetski, T. Akimoto, T. Mizuno, N. Asami, R. Shimada, S. Miyashita, A. Takahashi*

## DEPARTMENTS

- 253** Meeting Reports  
Resolution of the Seventh Russian Conference on Cold Nuclear Transmutation of Chemical Elements (RCCNT-7), September 27–October 2, 1997 / *Yuri N. Bazhutov, Igor V. Goryachev*  
Report on the Second Symposium Current Trends in International Fusion Research: Review and Assessment, Washington, D.C., March 10–14, 1997 / *E. Panarella, J. Herrera, R. C. Kirkpatrick, S. Liu, E. Mazzucato, H. Persson, R. F. Post, H.-U. Rahman, N. Rostoker, J. R. Roth, F. Y. C. Thio*
- 274** Letter to the Editor  
Reply to "Comments on 'Transmutation in a Gold-Light Water Electrolysis System'" / *T. Ohmori*
- 276** Corrigenda