

# Fusion technology

CONTENTS / JULY 1998—VOL. 33, NO. 4

## TECHNICAL PAPERS

- 387** Controlled Sawteeth for Helium Exhaust / *Shin Chang, George H. Miley, Clifford E. Singer*
- 398** Rejuvenation of the CANDU Spent Fuel in (D-T)-Driven Hybrid Reactors / *Sebahattin Ünalán*
- 418** Evaluation of the Neutron and Gamma-Ray Heating in the Radiation Shielding and Magnet Coils of the VISTA Spacecraft / *Sümer Şahin, Hacı Mehmet Şahin, Adnan Sözen*
- 435** Numerical Prediction of Tritium Behavior in Fusion Power Plants / *Kenzo Munakata, Teruki Fukumatsu, Satoshi Odoi, Masabumi Nishikawa*
- 443** A Tokamak Tritium Production Reactor Design II / *W. M. Stacey, J. P. Aldridge, R. L. Beilke, L. G. Bryson, E. P. Davidson, T. A. Deterding, J. G. Evans, E. M. Fort, R. D. Jeffcoat, S. Klima, M. T. McLain, A. D. Nielsen, M. J. O'Neill, G. Y. Poe, H. U. Rehman, B. H. Rose, G. M. Roach, A. O. Rodriguez, R. T. Still, D. D. Thomas, M. P. Valenzano*
- 456** Transmutation of  $^{137}\text{Cs}$  and  $^{129}\text{I}$  Using a Muon-Catalyzed Fusion Neutron Source / *Jan Wallenius*
- 462** Proton Emission Cross Sections for Bombardment of Stainless Steel by 14.6-MeV Neutrons / *Yangmei Fan, Bangjiao Ye, Zhongmin Wang, Rongdian Han, Xiaoqi Yu, Huaijiang Du, Zhenxi Xiao*
- 468** Transmutation of Elements in Saturated Palladium Hydrides by an XeCl Excimer Laser / *Vincenzo Nassisi*
- 476** Detection of Anomalous Elements, X-Ray, and Excess Heat in a  $\text{D}_2$ -Pd System and Its Interpretation by the Electron-Induced Nuclear Reaction Model / *Yasuhiro Iwamura, Takehiko Itoh, Nobuaki Gotoh, Ichiro Toyoda*

## DEPARTMENTS

- 493** Book Review  
Local Transport Studies in Fusion Plasmas / reviewed by *J. Qiang*
- 495** Meeting Report  
The Fifth Russian Conference on Cold Nuclear Transmutation of Chemical Elements, Dagomys, Russia, September 29–October 5, 1997 / *V. Kazarinov, Yu. Bazhutov, N. Samsonenko*
- 496** Volume 33 Indexes
- v Volume 33 Contents