

# NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 111, NUMBER 4, AUGUST 1992

## CONTENTS

### TECHNICAL PAPERS

- 319** Analytical Method for Processing Neutron Multigroup Transfer Cross Sections *R. Ofek, M. Segev*
- 345** Contribution Slowing-Down Theory *Mark L. Williams, Harish Manohara*
- 368** Product Yields of  $^{235}\text{U}$ ,  $^{238}\text{U}$ ,  $^{237}\text{Np}$ , and  $^{239}\text{Pu}$  by Photofission Reactions with 20-, 30-, and 60-MeV Bremsstrahlung *Takeshi Kase, Akira Yamadera, Takashi Nakamura, Seiichi Shibata, Ichiro Fujiwara*
- 379** Fission Fragment Transport Effects on Heat Transfer in Fissioning Gases *Yoichi Watanabe, Jacob Appelbaum*
- 391** Measurement of Neutron Activation Cross Sections of Energy up to 40 MeV Using Semimonoenergetic *p*-Be Neutrons *Yoshitomo Uwamino, Hiroshi Sugita, Yuhri Kondo, Takashi Nakamura*
- 404** Evaluation of the Unresolved Resonance Range of  $^{238}\text{U} + n$ , Part II: Differential Data Tests *F. H. Fröhner*
- 415** High-Resolution Fission Cross-Section Measurements of  $^{235}\text{U}$  and  $^{239}\text{Pu}$  *L. W. Weston, J. H. Todd*
- 422** Six-Group Decomposition of Composite Delayed Neutron Spectra from  $^{235}\text{U}$  Fission *M. F. Villani, G. P. Couchell, M. H. Haghghi, D. J. Pullen, W. A. Schier, Q. Sharfuddin*

### LETTER TO THE EDITOR

- 433** Improved Techniques of Analog and Digital Dynamic Compensation for Delayed Self-Powered Neutron Detectors *Dietrich Hoppe, Rainer Maletti*

- 437** VOLUME 111 AUTHOR AND SUBJECT INDEXES