

NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 114, NUMBER 3, JULY 1993

CONTENTS

TECHNICAL PAPERS

- 179** The Vibration Behavior of Nuclear Fuel Under Reactor Conditions *M. J. Pettigrew*
- 190** Photoneutron Production Using Bremsstrahlung from the 14-TW Pulsed-Power HERMES III Electron Accelerator *T. W. L. Sanford, L. J. Lorence, J. A. Halbleib, J. G. Kelly, P. J. Griffin, J. W. Poukey, W. H. McAtee, R. C. Mock*
- 214** Transmitted Photon Spectra of Gamma Rays Through a Soil Medium *Makhan Singh, G. S. Brar, Gurmel S. Mudahar*
- 219** Benchmarking the MCNP Monte Carlo Code with a Photon Skyshine Experiment *Richard H. Olsner, Hsiao-Hua Hsu, Wells F. Harvey*
- 228** Use of Monte Carlo Procedures to Estimate First and Second Collision Sources for Discrete Ordinates Transport Codes *L. M. Gomes, P. N. Stevens*
- 238** Optimal Flux Map Generation Through Parameter Estimation Techniques *James W. Bryson, John C. Lee, Jeré A. Hassberger*
- 252** Parallel Solution of the Neutron Diffusion Equation with the Domain Decomposition Method on a Transputer Network *Yong Hee Kim, Nam Zin Cho*