

NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 146, NUMBER 1, JANUARY 2004

CONTENTS

TECHNICAL PAPERS

- | | | |
|-----|--|---|
| 1 | Experimental Determination of the Ratio of ^{238}U Capture to ^{235}U Fission in LEU-HTR Pebble-Bed Configurations | <i>O. Köberl, R. Seiler, R. Chawla</i> |
| 13 | Impact of Nuclear Data Uncertainties on Transmutation of Actinides in Accelerator-Driven Assemblies | <i>G. Aliberti, G. Palmiotti, M. Salvatores, C. G. Stenberg</i> |
| 51 | Using the Schwinger Variational Functional for the Solution of Inverse Transport Problems | <i>Jeffrey A. Favorite</i> |
| 71 | Calculating Nuclear Power Plant Vulnerability Using Integrated Geometry and Event/Fault-Tree Models | <i>Douglas E. Peplow, C. David Sulfredge, Robert L. Sanders, Robert H. Morris, Todd A. Hann</i> |
| 88 | An Order Coding Genetic Algorithm to Optimize Fuel Reloads in a Nuclear Boiling Water Reactor | <i>Juan José Ortiz, Ignacio Requena</i> |
| 99 | Slowing-Down Dynamics of Fast Particles in Plasmas via the Fokker-Planck Equation | <i>D. Anderson, M. Lisak, F. Andersson, T. Fülöp</i> |
| 106 | Calculation and Analysis of $n + {}^{112,114-120,122,124}\text{natSn}$ Reactions | <i>Yinlu Han</i> |