

NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 70, NUMBER 3, JUNE 1979

CONTENTS TECHNICAL PAPERS

- | | | |
|-----|---|---|
| 225 | Two- and Three-Dimensional Neutronics Calculations for the Tokamak Fusion Test Reactor Neutral Beam Injectors | <i>R. T. Santoro, R. A. Lillie,
R. G. Alsmiller, Jr.
J. M. Barnes</i> |
| 243 | Prediction of Statistical Error and Optimization of Biased Monte Carlo Transport Calculations | <i>P. K. Sarkar, M. A. Prasad</i> |
| 262 | Lattice Eigenvalue as a Function of Buckling: Correction to First-Order Perturbation Theory | <i>Ely M. Gelbard,
Raymond P. Hughes</i> |
| 274 | Tritium Production in a Sphere of ^6LiD Irradiated by 14-MeV Neutrons | <i>A. Hemmendinger,
C. E. Ragan, Jon M. Wallace</i> |
| 281 | Neutron Interaction with Carbon-12 in the Few-MeV Region | <i>A. Smith, R. Holt,
J. Whalen</i> |
| 294 | Neutron Inelastic Scattering in Silicon-28 to 4.15 MeV | <i>N. B. Sullivan, J. J. Egan,
G. H. R. Kegel, P. Harihar</i> |
| 298 | Emission Probability of the 312-keV Gamma Ray from the Decay of Protactinium-233 | <i>R. J. Gehrke, R. G. Helmer,
C. W. Reich</i> |

TECHNICAL NOTES

- | | | |
|-----|---|--|
| 307 | Self-Shielded Fission Rates for Uranium-235 | <i>J. B. Czirr</i> |
| 309 | Neutron Multiplication Studies in Beryllium for Fusion Reactor Blankets | <i>T. K. Basu, V. R. Nargundkar,
P. Cloth, D. Filges,
S. Taczanowski</i> |
| 313 | Reactor Fuel Burnup Calculations in the LASER Code | <i>Y. Y. Chang, S. K. Loyalka,
D. H. Timmons</i> |
| 315 | Availability Maximization of Supervised Protective Systems for Nuclear Reactors | <i>J. M. Kontoleon</i> |

LETTER TO THE EDITOR

- | | | |
|-----|--|------------------------|
| 318 | Transport Calculations in Cylindrical Geometry | <i>Richard Sanchez</i> |
|-----|--|------------------------|

(Continued)

VOLUME 70, NUMBER 3, JUNE 1979

CONTENTS

(Continued)

BOOK REVIEW

- 321 Physics of High Temperature Reactors, Luigi Massimo *Eberhard Teuchert*

CORRIGENDA

- 322 Network Computations Using a Transient Two-Phase Velocity Difference Model *Robert W. Lyczkowski,
Delwin C. Mecham,
Charles W. Solbrig*

- 322 MACK-IV *M. A. Abdou, Y. Gohar,
R. Q. Wright*

- 323 ANNOUNCEMENT OF CURRENT PUBLICATIONS

- 328 VOLUME 70 AUTHOR AND SUBJECT INDEXES