

NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 115, NUMBER 4, DECEMBER 1993

CONTENTS

TECHNICAL PAPERS

- 279** Spent-Fuel Assay Performance and Monte Carlo Analysis of the Rensselaer Slowing-Down-Time Spectrometer
Naeem M. Abdurrahman, Robert C. Block, Donald R. Harris, Rudolf E. Slovacek, Yong-Doek Lee, Francisco Rodriguez-Vera
- 297** Photoexcitation of ^{93m}Nb in the 5- to 30-MeV Gamma-Energy Range
J. Sáfár, L. Lakosi
- 300** Total Interaction Cross Sections of Several Sugars for ^{133}Ba Photons
K. P. Gopinathan Nair, Channe Gowda, J. Shylaja Kumari, S. J. Anasuya, T. K. Umesh, Ramakrishna Gowda
- 304** Diffusion-Accelerated Solution of the Two-Dimensional S_n Equations with Bilinear-Discontinuous Differencing
J. E. Morel, J. E. Dendy, Jr., T. A. Wareing
- 320** Anisotropic Eigenvalue Spectrum Calculations of the Neutron Transport Operator with Low-Order Spatial Expansion Methods
P. Kohut

TECHNICAL NOTES

- 334** Depletion Perturbation Theory Within the Framework of an Advanced Hexagonal Nodal Method
T. J. Downar
- 341** Analysis of Radially Heterogeneous ZPPR-13A Benchmark for Investigating the Spatial Dependence of the Calculated-to-Experimental Ratio for Control Rod Worths
B. Mahalakshmi, P. Mohanakrishnan

CORRIGENDUM

- 348** Measurements and Calculations of Angular Neutron Flux Spectra from Iron Slabs Bombarded with 14.8-MeV Neutrons
Yukio Oyama, Kazuaki Kosako, Hiroshi Maekawa

349 TECHNICAL REVIEWERS

351 VOLUME 115 AUTHOR AND SUBJECT INDEXES