

NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 179, NUMBER 4, APRIL 2015

CONTENTS

TECHNICAL PAPERS

- | | | |
|------------|---|--|
| 355 | Pressure Drop of Annular Flow Channel
Electromagnetic Pump Examined Using Divided Flow
Channel Model | <i>Yosuke Hirata, Takatoshi Asada,
Hideo Komita, Tetsu Suzuki,
Rie Aizawa</i> |
| 364 | Radiation Source Mapping with Bayesian Inverse
Methods | <i>Joshua M. Hykes,
Yousry Y. Azmy</i> |
| 381 | Impact of the Normalization Condition and Model
Information on Evaluated Prompt Fission Neutron
Spectra and Associated Uncertainties | <i>D. Neudecker, R. Capote,
D. L. Smith, T. Burr, P. Talou</i> |
| 398 | A Statistical Approach for Experimental Cross-
Section Covariance Estimation Via Shrinkage | <i>S. Varet, P. Dossantos-Uzarralde,
N. Vayatis</i> |
| 411 | Computing Positive Semidefinite Multigroup
Nuclear Data Covariances | <i>Risto Vanhanen</i> |
| 423 | Measurement and Covariance Analysis of Reaction
Cross Sections for $^{58}\text{Ni}(n,p)^{58}\text{Co}$ Relative to Cross
Section for Formation of ^{97}Zr Fission Product in
Neutron-Induced Fission of ^{232}Th and ^{238}U at Effective
Neutron Energies $E_n = 5.89, 10.11$, and 15.87 MeV | <i>B. S. Shivashankar, S. Ganesan,
H. Naik, S. V. Suryanarayana,
N. Sreekumaran Nair,
K. Manjunatha Prasad</i> |
| 434 | Comparison of Neutronics-Depletion Coupling
Schemes for Burnup Calculations | <i>Aarno Isotalo, Ville Sahlberg</i> |
| 460 | Analytical Green's Function-Based Diffusion Monte
Carlo with Transport Correction | <i>Argala Srivastava, S. B. Degweker</i> |
| 477 | An Assessment of the Fuel Pulverization Threshold
During LOCA-Type Temperature Transients | <i>J. A. Turnbull, S. K. Yagnik,
M. Hirai, D. M. Staicu, C. T. Walker</i> |
| 486 | VOLUME 179 AUTHOR AND SUBJECT INDEXES | |

