

## JOHN C. WAGNER

### LIST OF PUBLICATIONS

#### 1992

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2. J.C. WAGNER, A. HAGHIGHAT, and B.G. PETROVIC, "Investigation of Pressure Vessel Neutron Fluence Calculation with Monte Carlo," *Trans. Am. Nucl. Soc.*, **68** 446–448 (1993).
3. G.W. MCKINNEY, J.C. WAGNER, and J.E. SISOLAK, "MCNP/KENO Criticality Comparison," *Proc. of the Topical Meeting on Physics and Methods in Criticality Safety*, Nashville, TN, September 19–23, American Nuclear Society, Order 700186, 207 (1993).

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4. J.C. WAGNER, E.L. REDMOND II, S.P. PALMTAG, and J.S. HENDRICKS, "MCNP: Multigroup/Adjoint Capabilities," LA-12704, Los Alamos National Laboratory (1994).
5. J.C. WAGNER, A. HAGHIGHAT, and B.G. PETROVIC, "Comparison of Monte Carlo and Synthesized 3-D Deterministic Models for Reactor Cavity Dosimetry Calculations," *Proc. of the Eighth Int. Conf. on Radiation Shielding*, Arlington, TX, 714–720 (Apr. 1994).
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7. J.C. WAGNER, "Monte Carlo Transport Calculations and Analysis for Reactor Pressure Vessel Neutron Fluence," *MS Thesis*, The Pennsylvania State University, Nuclear Engineering (Dec. 1994).

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10. J.C. WAGNER and A. HAGHIGHAT, "Deterministic Adjoint Functions for Biasing Monte Carlo Reactor Cavity Dosimetry Calculations," *Trans. Am. Nucl. Soc.*, **73** 432-434 (1995).

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11. J.C. WAGNER, A. HAGHIGHAT, and B.G. PETROVIC, "Monte Carlo Transport Calculations and Analysis for Reactor Pressure Vessel Neutron Fluence," *Nucl. Technol.*, **114** 373-398 (1996).
12. A. HAGHIGHAT, H.L. HANSHAW, and J.C. WAGNER, "Multigroup Cross Section Generation with Adjoint Weighting and its Application to PV Dosimetry," *1996 Radiation Protection & Shielding Topical Meeting*, No. Falmouth, MA, 173-180 (Apr. 1996).
13. J.C. WAGNER and A. HAGHIGHAT, "Application of the Discrete Ordinates Adjoint Function to Accelerating Monte Carlo Reactor Cavity Dosimetry Calculations," *1996 Radiation Protection & Shielding Topical Meeting*, No. Falmouth, MA, 345-352 (Apr. 1996).
14. A. HAGHIGHAT, B. PETROVIC, J.C. WAGNER, H.L. HANSHAW, and M. MAHGEREFTEH, "Uncertainties in Transport Theory Pressure Vessel Neutron Fluence Calculations," *Trans. Am. Nucl. Soc.*, **74** 140-142 (1996).
15. J.C. WAGNER, A.J. BARATTA, and J.W. GERDES, "Characterization of the Radiation Environment at the Army Pulse Radiation Facility with Monte Carlo," *Ninth Intl. Symposium on Reactor Dosimetry*, Prague, Czech Republic, 762-769, September 2-6, 1996.

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21. B.G. PETROVIC, J.C. WAGNER and A. HAGHIGHAT, "Verification of Improved Synthesized 3-D Sn and Monte Carlo Methods for Pressure Vessel Fast Neutron Fluence Calculations," *Joint Int. Conf. on Mathematical Methods and Supercomputing for Nuclear Applications*, Saratoga Springs, 1586–1595, October 6–10, 1997.
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## **2000**

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28. J.C. WAGNER and M.D. DeHART, *Review of Axial Burnup Distribution Considerations for Burnup Credit Calculations*, ORNL/TM-1999/246, Lockheed Martin Energy Research Corp., Oak Ridge National Laboratory, March 2000.
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30. J. C. WAGNER and M. D. DeHART, "Investigation of BWR Depletion Calculations with SAS2H," *Trans. Am. Nucl. Soc.* **82**, 173–176 (June 2000) 36f.pdf.
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35. J. C. WAGNER and C. V. PARKS, "Impact of Burnable Poison Rods on PWR Burnup Credit Criticality Safety Analyses," *ANS/ENS 2000 International Winter Meeting and Embedded Topical Meetings*, November 12–16, 2000, Washington, D.C. *Trans. Am. Nucl. Soc.* **83**, 130-134 (2000).

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36. S. M. BOWMAN, I. C. GAULD, and J. C. WAGNER, *Recommendations on Standardized Technical Specifications for Spent Fuel Storage Casks*, NUREG/CR-6716 (ORNL/TM-2000/385), U.S. Nuclear Regulatory Commission, Oak Ridge National Laboratory, March 2001.
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