Session NG-I:
Theory and Methods

(Monday, October 23, p.m.)

NG-I/I1
J. Spanier
Research themes of broad transport applicability
(amc005)

NG-I/O1
T. Ueki, J.E. Hoogenboom, J.L. Kloosterman
Response Decomposition with Monte Carlo Correlated Coupling
(amc044)

NG-I/O2
T. Shuttleworth
The Geometrical Sensitivity Option in MCBEND
(amc121)

NG-I/O3
T.E. Booth
An alternative Monte Carlo method for the k-Eigenfunction?
(amc146)

NG-I/O4
J.E. Hoogenboom
Continuous Energy Adjoint Monte Carlo for Coupled Neutron-Photon Transport
(amc149)

NG-I/O5
A. Haghighat, J.C. Wagner
Application of A3MCNP to Radiation Shielding Problems
(amc211)

Session NG-II:
Code Status
(Monday, October 23, p.m.)

NG-II/I1
T. Mori, K. Okumura, Y. Nagaya
Status of JAERI's Monte Carlo Code MVP for Neutron and Photon Transport Problems
(amc027)

NG-II/I2
M.B. Emmett
Current Status of the Oak Rdige Monte Carlo Shielding Codes
(amc076)

NG-II/I3
N. Smith, T. Shuttleworth, M. Grimstone, L. Hutton, M. Armishaw, A.Bird, N. France, S. Connolly
The Current Status and Future Plans for the Monte Carlo Codes MONK and MCBEND
(amc119)

NG-II/I4
E.C. Selcow, G.W. McKinney
MCNP Capabilities at the Dawn of the 21st Century: Neutron-gamma Applications
(amc188)

NG-II/I5
L. Maiorov, E. Gomin, M.I. Gurevich
Status of MCU
(amc203)

NG-II/I6
J.C Nimal, T. Vergnaud
TRIPOLI-3 A Neutron/Photon Monte Carlo Transport Code
(amc238)

Session NG-III: Physics & Data

(Tuesday, October 24, a.m.)

NG-III/I1
R. C. Little, S. C. Frankle, M. C. White, R. MacFarlane, C. J. Werner, J. M. Campbell
Modern Nuclear Data for Monte Carlo Codes
(amc235)

NG-III/O1
J. D¸ abrowska, K. Drozdowicz, U. Woznicka
The MCNP code in planning and interpretation of thermal neutron pulsed experiments
(amc054)

NG-III/O2
J. Tickner
Modelling Detector Responses to Neutrons using MCNP
(amc059)

NG-III/O3
J.P. Both, J.C Nimal, Y. Peneliau
Water cross section sensitivity in the Naiade benchmark using TRIPOLI-4
(amc101)

NG-III/O4
P.A. Andresenko, M.R. Malkov
Simulation of thermal neutron transport processes directly from the Evaluated Nuclear Data Files
(amc116)

NG-III/O5
G. Hordósy, A. Keresztúri, Cs. Hegedus, P. Vértes
Importance of (γ,n) ***reaction in the dynamic behaviour of Be reflected reactors***
(amc171)

Session NG-IV:
Algorithms & Computational Science
(Tuesday, October 24, p.m.)

NG-IV/I1
K.W. Burn, G. Gualdrini, E. Nava
Variance Reduction with Multiple Responses
(amc092)

NG-IV/O1
T.J. Urbatsch, T.M. Evans, H. Lichtenstein
1-D Equilibrium Discrete Diffusion Monte Carlo
(amc043)

NG-IV/O2
C. Diop
Full Monte Carlo Particle Transport/Isotope Depletion Coupling
(amc118)

NG-IV/O3
J.L. Hutton
Use of a Hybrid Monte Carlo Technique for Power Shape Calculations
(amc122)

NG-IV/O4
O. Jacquet, X. Bay, L. Carraro
Evaluation of the Uncertainty in Eigenvalue Monte Carlo Calculations, Using Time Series Methodologies
(amc130)

NG-IV/O5
J. Miss, A. Nouri 1, O. Jacquet
Development and Comparison of Monte-Carlo Techniques for the Calculation of Loosely Coupled Systems
(amc131)

Session NG-V: Experiments & Measurements

(Wednesday, October 25, a.m.)

NG-V/I1
B. Siebert
Sensitivity Analysis and Uncertainty Assessment in Applied Monte Carlo Particle Transport
(amc166)

NG-V/O1
B.T. Rearden, L.M. Petire, D.F. Hollenbach
Sensitivity and Uncertainty Analysis for Nuclear Criticality Safety Using KENO in the SCALE Code System
(amc231)

NG-V/O2
A. Fernandes, A. Vieira, I.C. Gonçalves, A. Ramalho
Monte-Carlo determination of the radiation field in the thermal column of the Portuguese Research Reactor
(amc050)

NG-V/O3
T. Aoyama, T. Sekine
Fission Rate Analysis in the Irradiation Test Subassemblies of Fast Reactor Using MCNP
(amc082)

NG-V/O4
T. Valentine
Benchmarking Monte Carlo Codes for Criticality Safety Using Subcritical Measurements
(amc018)

NG-V/O5
R.J. Tanner, D.T. Bartlett, L.G. Hager
Calculations of the Response of the NRPB Neutron Personal Dosemeter using MCNP ans Experimental Verification of those Calculations
(amc123)

Session NG-VI: Applications

(Wednesday, October 25, a.m.)

NG-VI/I1
T. Goorley
Review of Industrial and Medical Applications that Utilize Coupled Neutron-Photon Monte Carlo Transport
(amc057)

NG-VI/O1
I.F. Gonçalves, A.G. Ramalho, I.C.Gonçalves, J. Salgado
MCNP Calculations for the shielding design of a beam tube to be installed at the Portuguese Research Reactor
(amc041)

NG-VI/O2
U. Fischer
Monte Carlo Applications in Fusion Neutronics
(amc052)

NG-VI/O3
F. Rahnema, S. Mosher, M. Pitts, P. Akhtar, D. Serghiuta
Continuous-Energy Monte Carlo Simulation of a Simplified CANDU Core Sub-region
(amc056)

NG-VI/O4
M. Maucec, P.H.G.M. Hendriks, R.J. de Meijer
Monte Carlo Simulation of Natural Gamma Ray Spectrometry for Underwater Surfaces
(amc096)

NG-VI/O5
B. Verboomen, A.Beeckmans. de West-Meerbeeck, Th. Aoust, and Ch. De Raedt
Monte Carlo Modelling of the Belgian Materials Testing Reactor BR2
(amc142)

Session NG-VII: Benchmarks

(Thursday, October 26, a.m.)

NG-VII/I1
S. Sitaraman, R-T. Chiang, K. Asano, K. Koyabu
Benchmark for a 3D Monte Carlo Boiling Water Reactor Fluence Computational Package - MF3D
(amc021)

NG-VII/O1
U. Fischer, I. Kodeli, C. Konno, R. L. Perel
Intercomparison of Monte Carlo and S_N Sensitivity Calculations for a 14 MeV Neutron Benchmark
(amc053)

NG-VII/O2
S.M. Zaritsky, N.I. Alexeyev, A.E. Glushkov, M.I. Gurevich, D.A. Shkarovsky
Comparison of calculations with benchmark experiments: validation of the MCU-4 code with ENDF/B-VI data library for tasks of neutron penetration through iron
(amc065)

NG-VII/O3
T. Goorley, S. Kiger, R. Zamenhof
Comparison of Snyder Head Phantom Models Used for Neutron Capture Therapy Benchmark Monte Carlo Dosimetry Calculations
(amc074)

NG-VII/O4
A. Polanski, V. Barashenkov, I. Puzynin, I. Rakhno, A. Sissakian
Monte Carlo modeling of fast sub-critical assembly with MOX fuel for research of accelerator driven systems
(amc168)

NG-VII/O5
Y.K. Lee
Evaluation of CRISTO II Storage Arrays Benchmark with TRIPOLI-4.2 Criticality Calculations
(amc180)

Session NG-VIII: Graphics & Applications

(Thursday, October 26, a.m.)

NG-VIII/I1
R.A. Schwarz, L.L. Carter, V.E. Roetman, K.E. Hillesland
Current State of Monte Carlo Visualization Tools
(amc153)

NG-VIII/O1
T. Kugo
Conceptual Designing of a Reduced Moderation Pressurized Water Reactor by Use of MVP and MVP-BURN
(amc048)

NG-VIII/O2
M. Armishaw, A. Bird, H. Crofts, N. Smith
The Role of Graphical Supporting Tools for Monte Carlo Analysis
(amc120)

NG-VIII/O3
D.L. Bleuel, R.J. Donahue, B.A. Ludewigt, J. Vujic
Simulating Problems with Variable Sources via Post Processing of Individual Particle Tallies
(amc143)

NG-VIII/O4
Z. Karrien, C.C. Stoker, F. Reitsma
MCNP Modelling of HTGR Pebble-Type Fuel Elements
(amc150)

NG-VIII/O5
S.M. Bowman, J.E. Horwedel
KENO3D Visualization Tool for KENO V.a and KENO VI
(amc232)

NG-P (Poster Session)
Neutron-gamma contributed papers
(Wednesday, October 25, p.m.)

NG-P1
V.V. Korobeinikov
Universal approach for ADS blanket calculations by Monte Carlo method
(amc001)

NG-P2
T. Kato, T. Nakamura
Development of analytical method for bulk shielding calculation in a medium energy accelerator facility
(amc012)

NG-P3
H.J. Shim, C.S. Jang, Chang Hyo Kim
Monte Carlo Depletion Analysis of PWR Integral Fuel Burnable Absorbers by MCNAP
(amc025)

NG-P4
O. Sato, S. Mitake, H. Tsunoda
Application of Biasing Optimization Techniques to Monte Carlo Shielding Analysis of Transport Cask
(amc067)

NG-P5
L. Petrizzi, H. Iida, D. Valenza, P. Batistoni
Improvement and Benchmarking of the New Shutdown Dose Estimation Method by Monte Carlo Code
(amc097)

NG-P6
P.A. Androsenko, D.L. Joloudov, A.V. Kompaniyets, M.R. Malkov
Monte Carlo Simulation of Neutron and Photon Transport with Direct Utilization of Information from Evaluated Nuclear Data Files
(amc148)

NG-P7
W. Gudowski, J. Cetnar, J. Wallenius, K. Tucek
Simulation of nuclide transmutation with Monte-Carlo continuous energy burnup system (MCB)
(amc196)

NG-P8
R.-T. Chiang, S. Sitarman, K. Asano, K. Koyabu
Application of MCNP-based Software Package MF3D for BWR Radiation Damage Computations
(amc016)

NG-P9
D. Schlegel, S. Guldbakke
Why do we need TARGET ?
(amc037)

NG-P10
Y. Rugama, J.L. Munoz-Cobo, T.E. Valentine
Noise Method for Monitoring the Subcriticality in Accelerator Driven Systems
(amc073)

NG-P11
R.J. de Meijer, P.H.G.M. Hendriks, M. Maucec
Sediment-density Dependence of Natural Gamma Ray Spectra in a Borehole Geometry
(amc155)

NG-P12
E. Bourhis, S. Hachem, J.-P. Pignol, N. Iborra Brassart, J. Herault, P. Chauvel, D. Paul, R. Sabattier, and N. Breteau
The use of MCNP4B for Monte Carlo simulation of the dosimetry of ^{10}B neutron capture enhancement of fast neutron
(amc173)

NG-P13
A. Rogov, Y. Pepyolyshev
Experimental and Monte Carlo study of the plastic scintillator performance for the current mode measurement at pulsed neutron sources
(amc177)

NG-P14
R. Cabezas, H. Yoriyaz, A. Santos, M. Yamaguchi
Monte Carlo Burnup Analysis of the Nuclear Research Reactor IEAR-1 Using MCNP-4B Code
(amc061)

NG-P15
H. Sawamura, K. Nishimura, S. Takahashi, J.S. Schweitzer
The Feasibility Study of Non-Radioactive Tracers for Monitoring Injected Water in Oil Reservoirs
(amc083)

NG-P16
S. Rollet
Neutronics and Shielding Analysis of Ignitor
(amc088)

NG-P17
J. Svarny
About the Application of MCNP4 Code in Nuclear Reactor Core Design Calculations
(amc094)

NG-P18
A. Vieira, I. C. Goncalves, A. Ramalho
Monte Carlo calculations for neutron and gamma radiation fields on a fast neutron irradiation device
(amc098)

NG-P19
M. Coeck, T. Aoust, F. Vermeersch, and H.A. Abderrahim
Shielding assessment of the MYRRHA accelerator driven system using the MCNP code
(amc139)

NG-P20
G. Hordósy, P. Vértes
Influence of gamma photons and thermal neutrons on reactor pressure vessel damage
(amc170)

NG-P21
S. Belousov, K. Ilieva
The MCNP Application vor VVER-1000 Shielding Calculation
(amc179)

NG-P22
J. Ghassoun, K. Ueki, A. Jehouani
The Fast and the Thermal Neutron Flux Distribution in TRIGA Reactor Shields by Monte Carlo Method
(amc195)

NG-P23

Victor Muratov and Alexsander Lopatkin

Numercal tests for the problem of U-Pu fuel burnup in fuel rod and polycell models using the MCNP code

(amc241)